Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

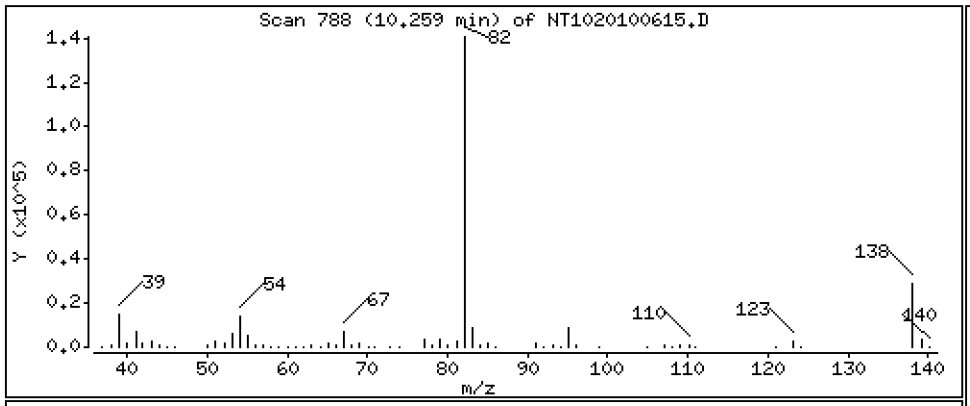
Operator: VTS

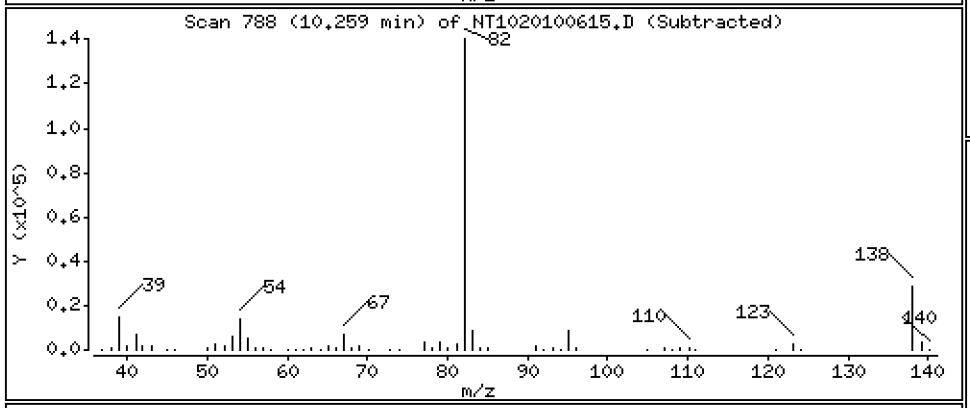
Column phase: ZB-5msi

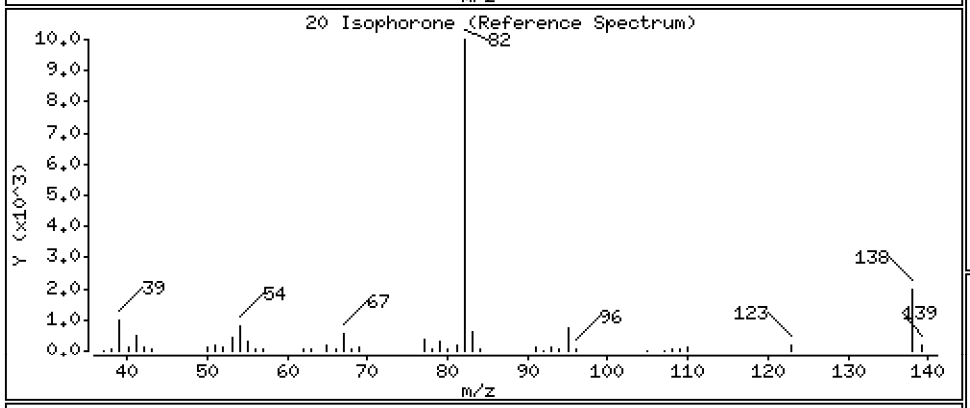
Column diameter: 0.25

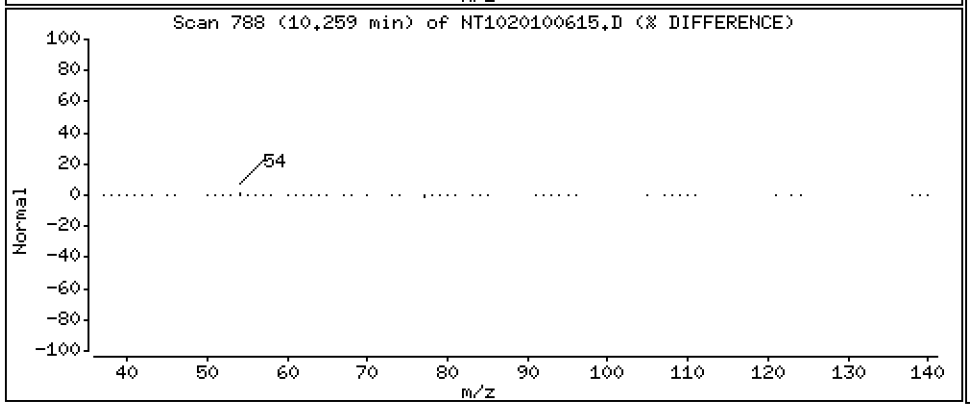
20 Isophorone

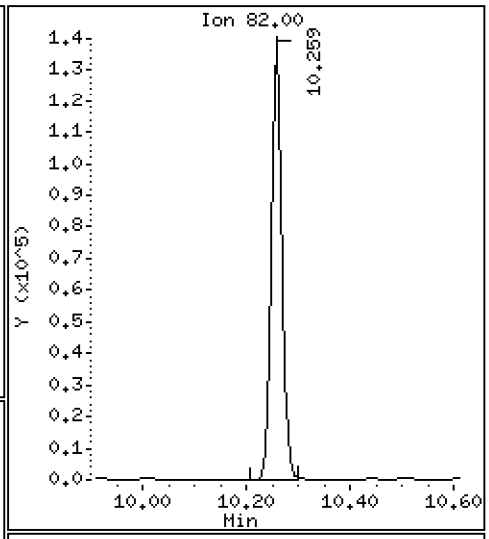
Concentration: 2.553 ug/mL

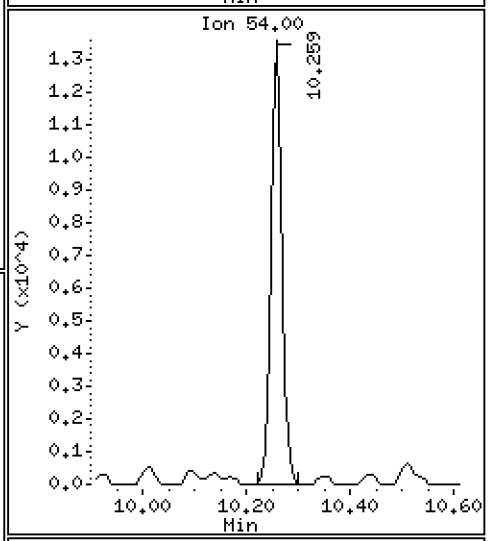


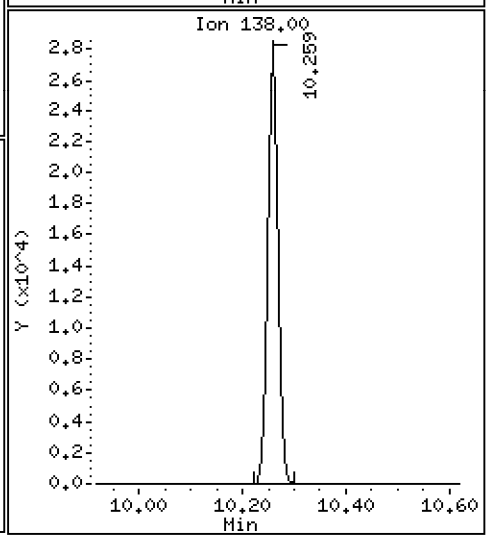












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

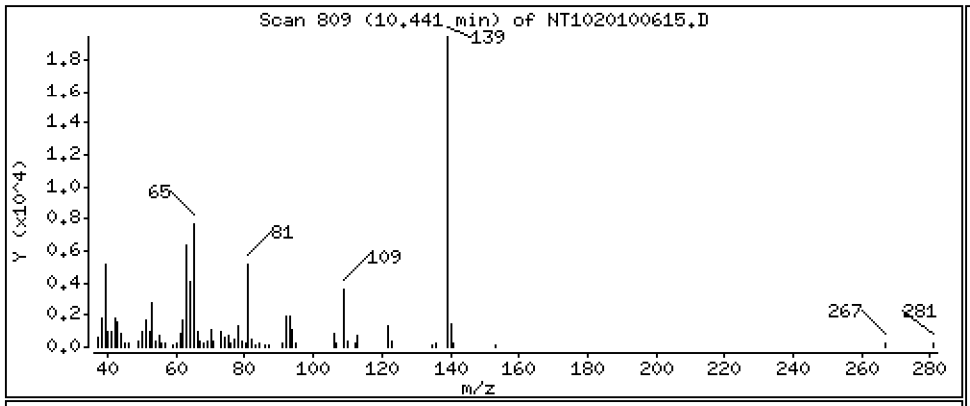
Operator: VTS

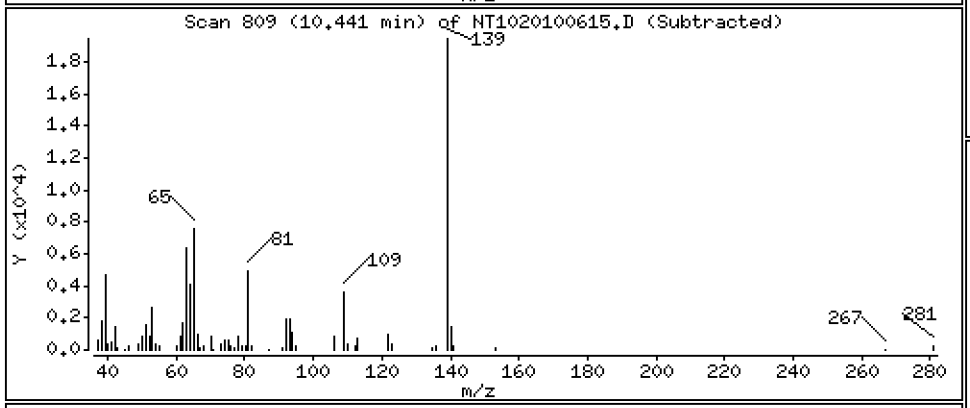
Column phase: ZB-5msi

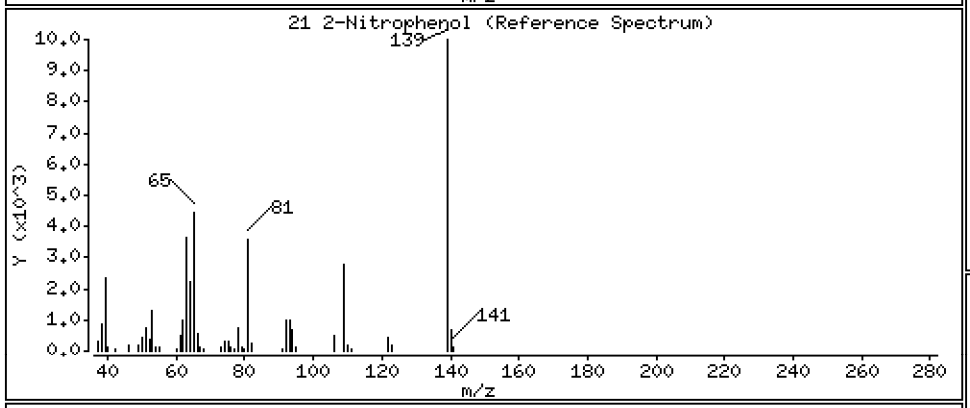
Column diameter: 0.25

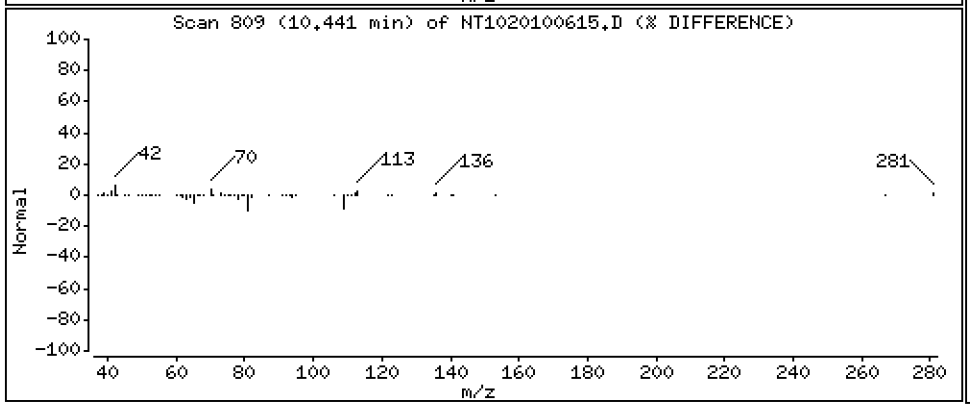
21 2-Nitrophenol

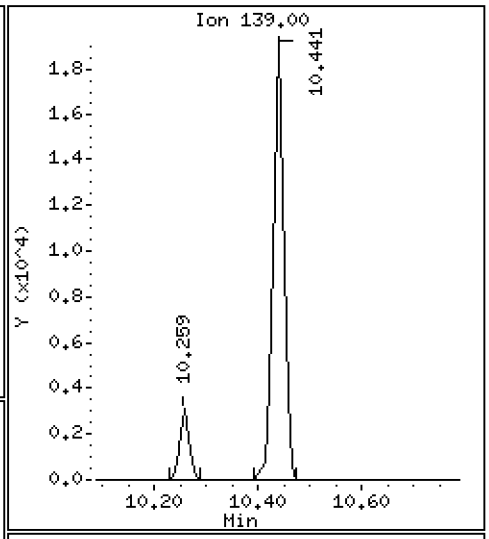
Concentration: 1.425 ug/mL

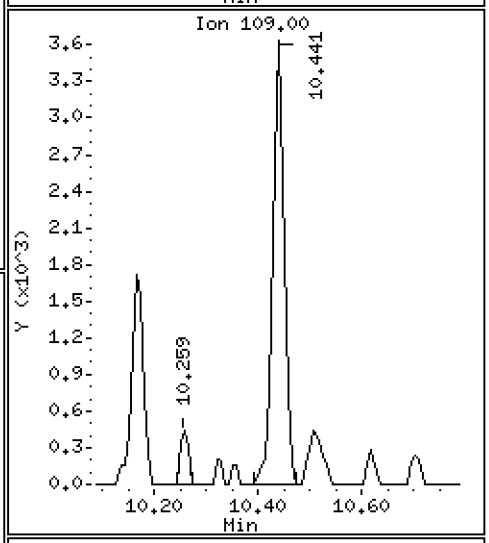


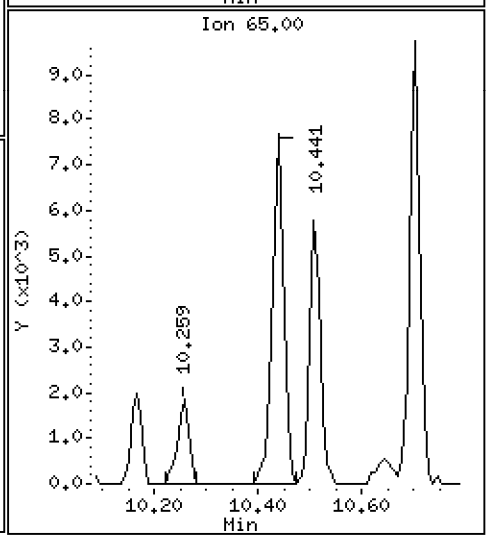












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

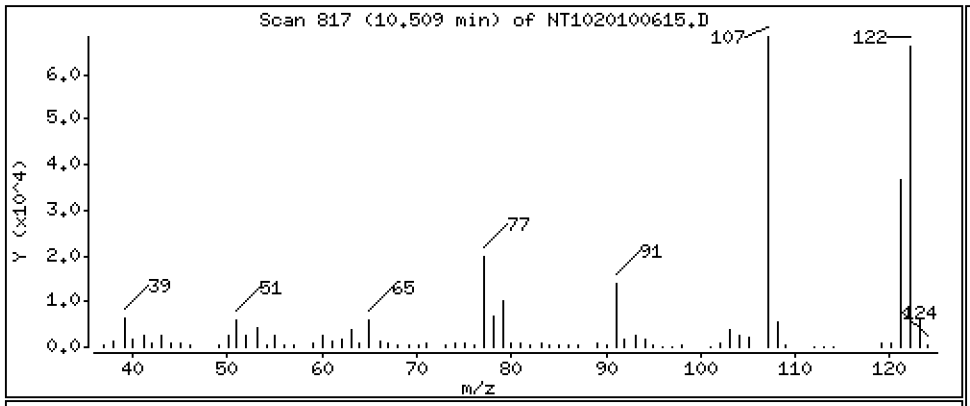
Operator: VTS

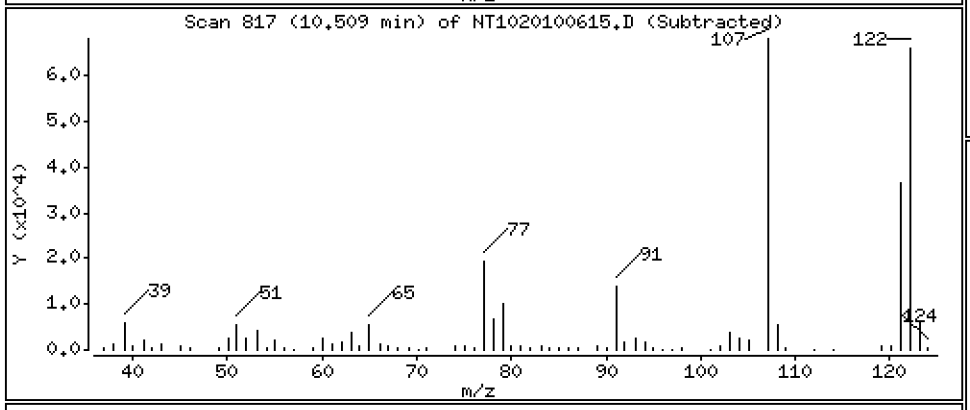
Column phase: ZB-5msi

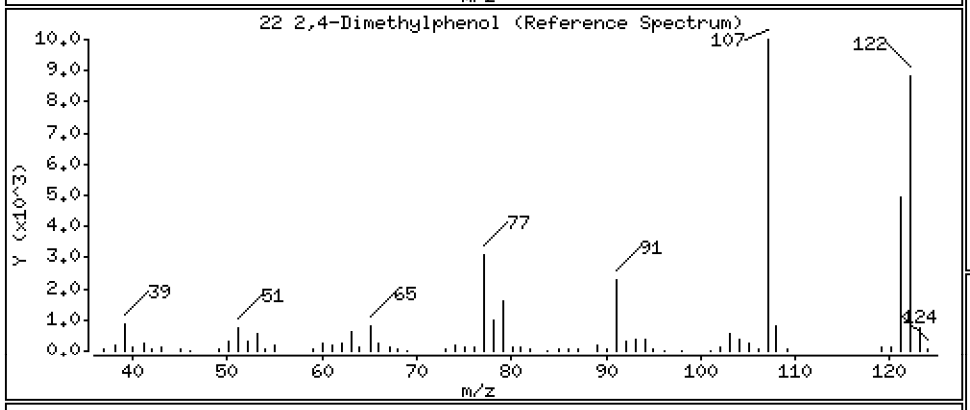
Column diameter: 0.25

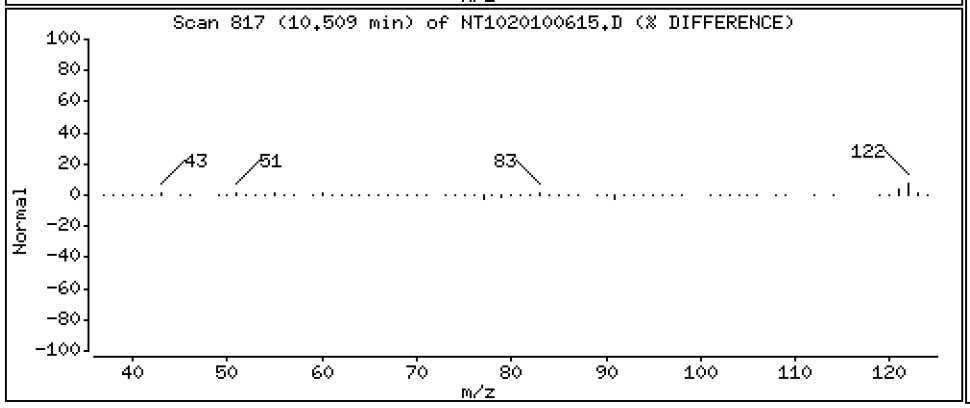
22 2,4-Dimethylphenol

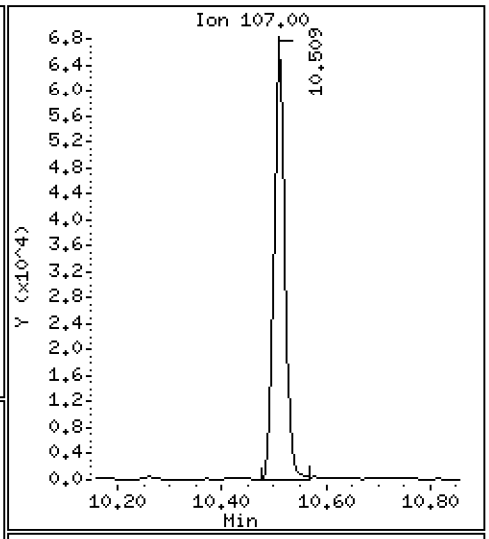
Concentration: 3.079 ug/mL

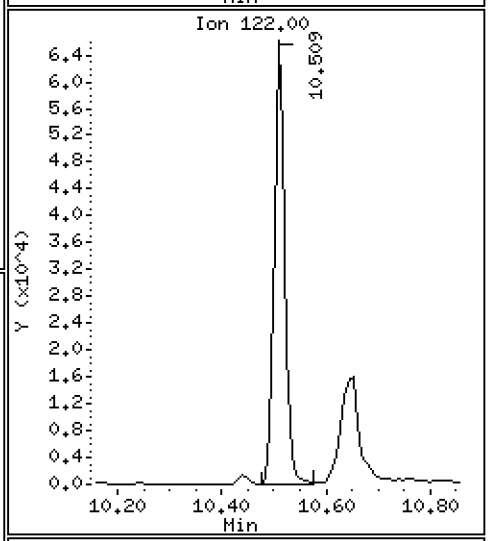


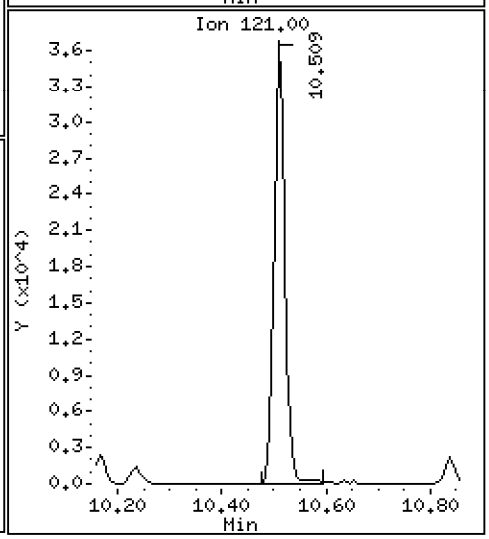












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

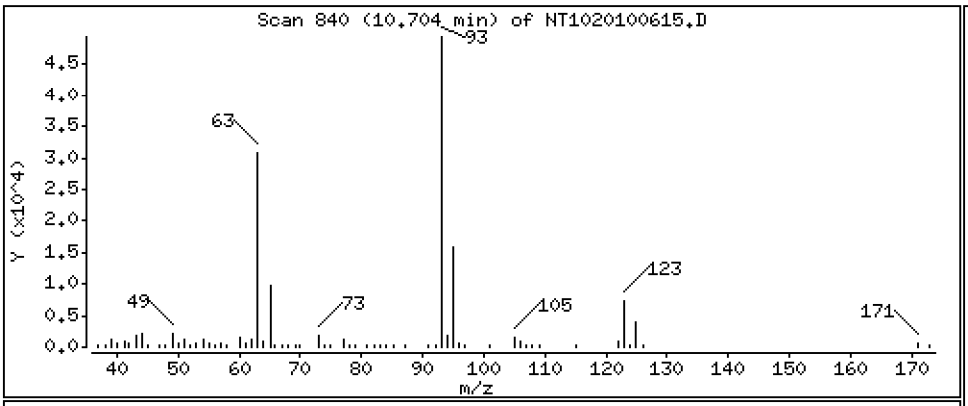
Operator: VTS

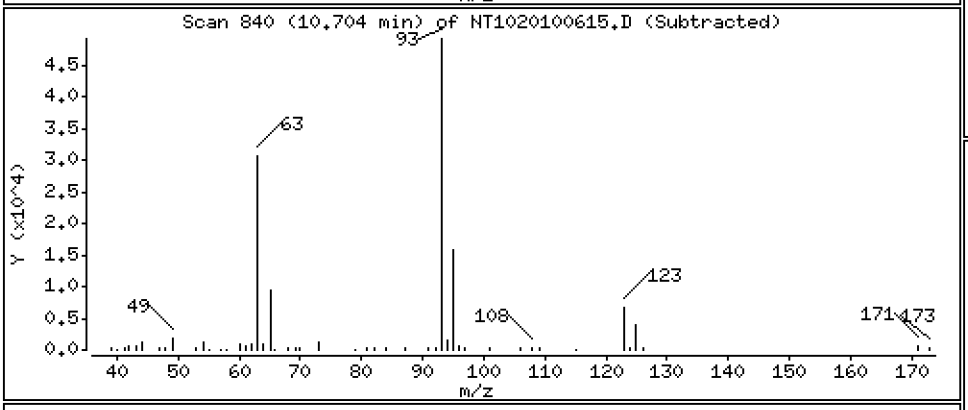
Column phase: ZB-5msi

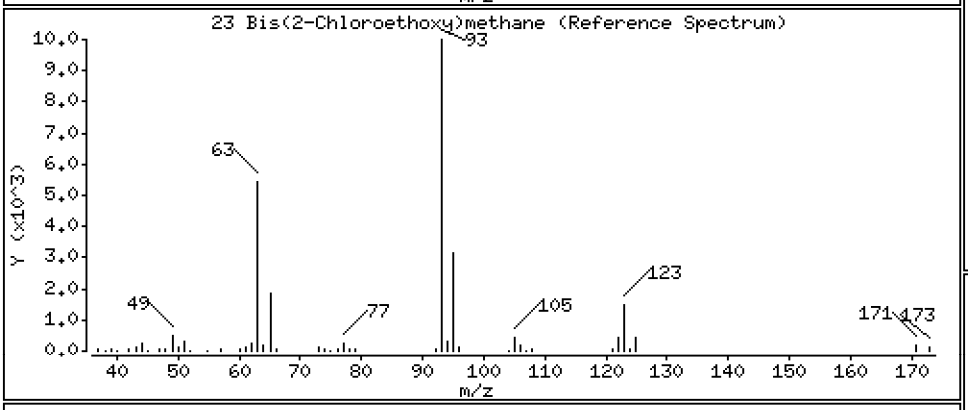
Column diameter: 0.25

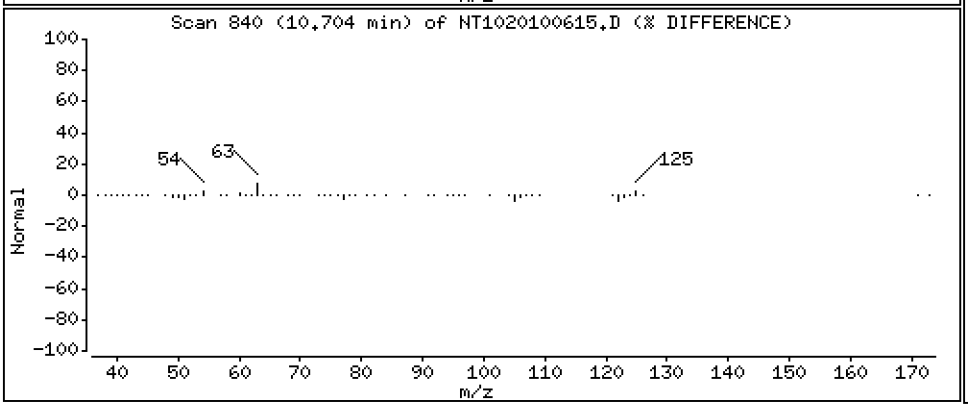
23 Bis(2-Chloroethoxy)methane

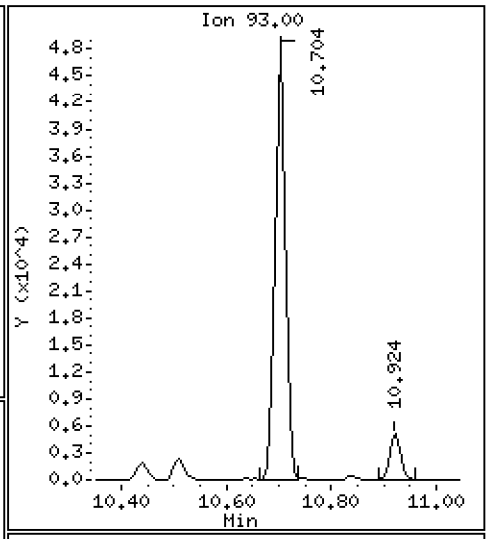
Concentration: 1.641 ug/mL

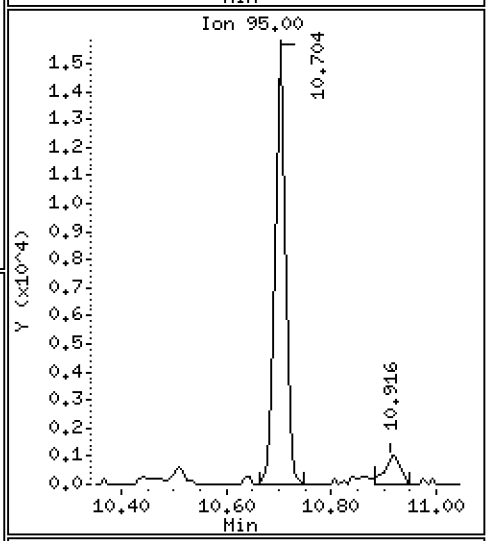


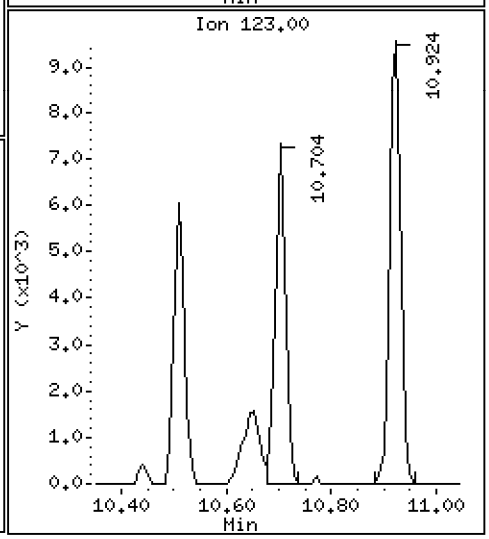












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

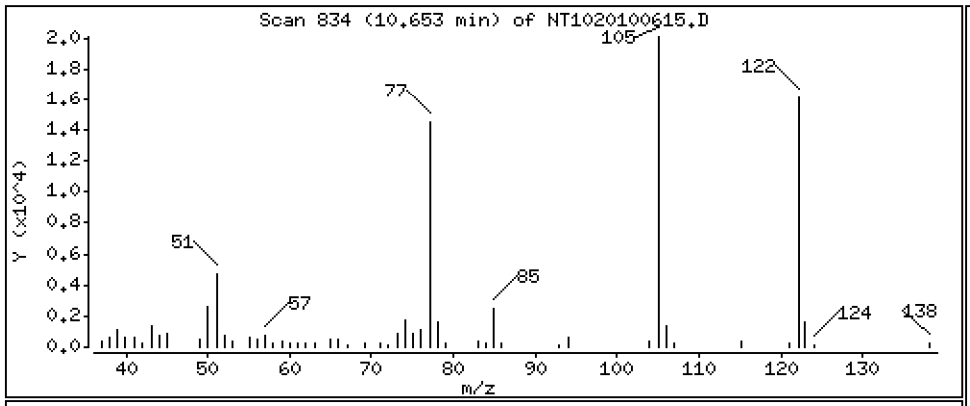
Operator: VTS

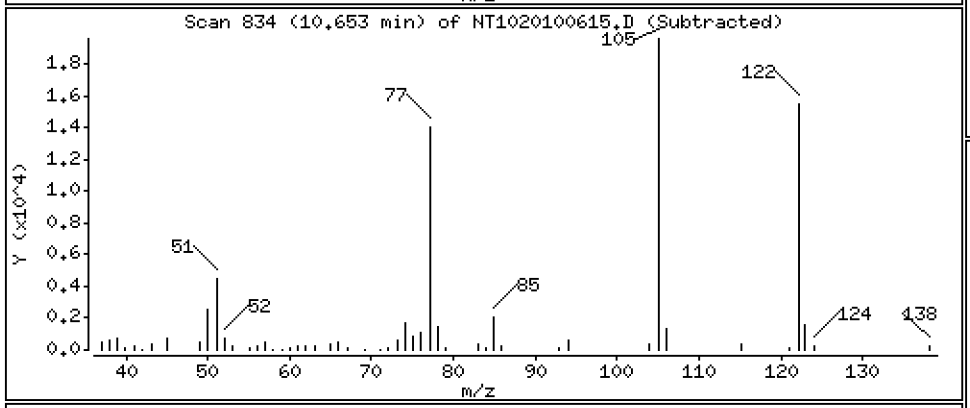
Column phase: ZB-5msi

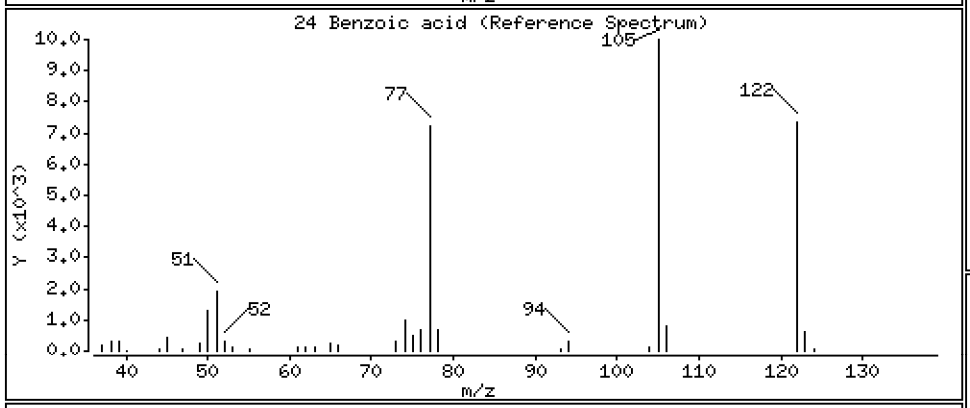
Column diameter: 0.25

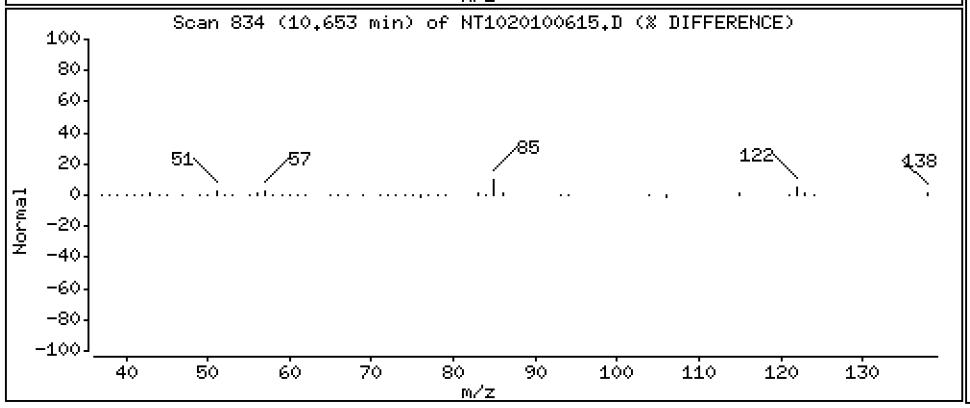
24 Benzoic acid

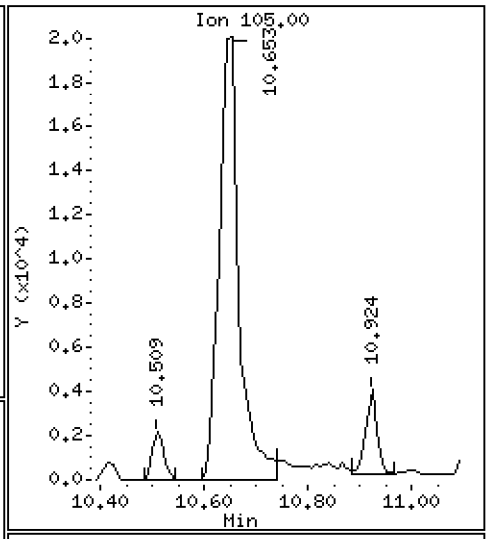
Concentration: 2.310 ug/mL

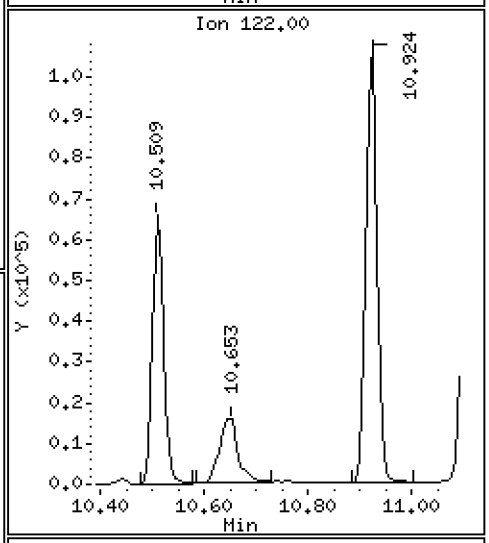


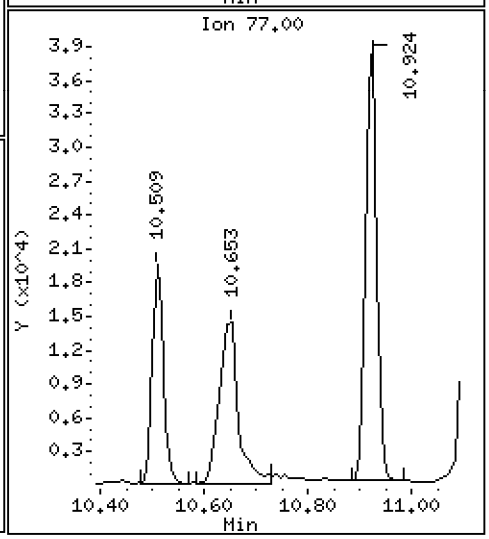












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

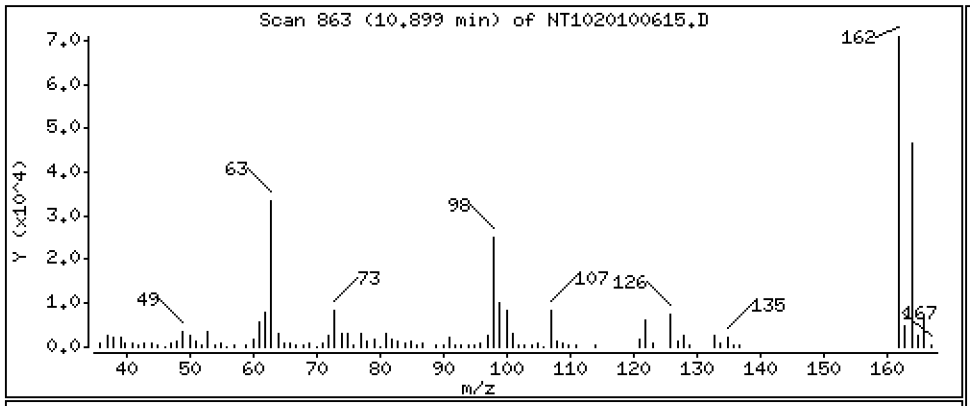
Operator: VTS

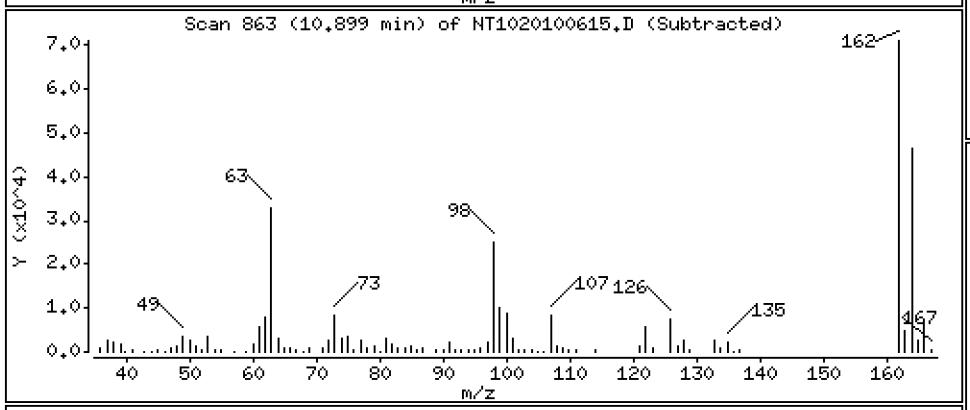
Column phase: ZB-5msi

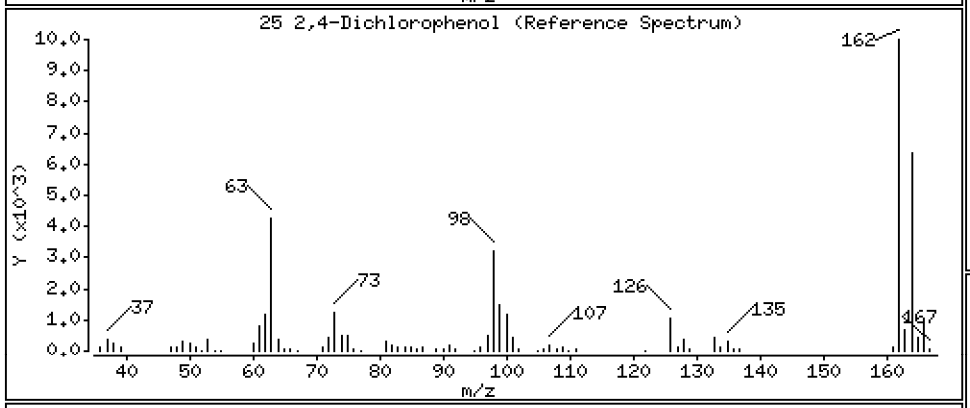
Column diameter: 0.25

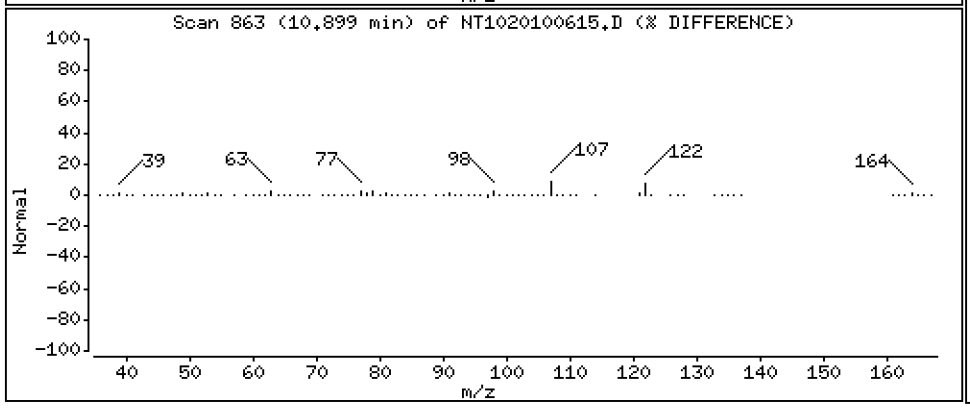
25 2,4-Dichlorophenol

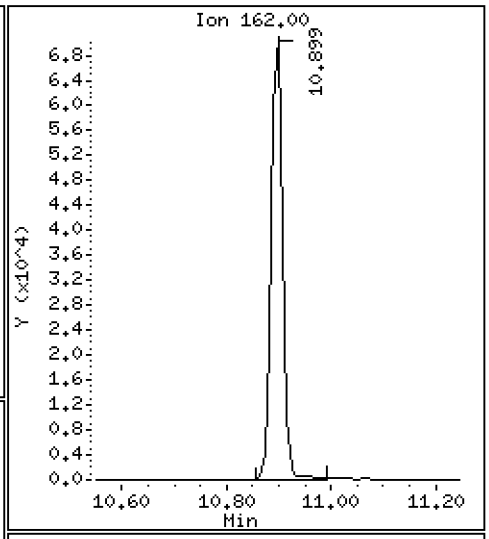
Concentration: 3.588 ug/mL

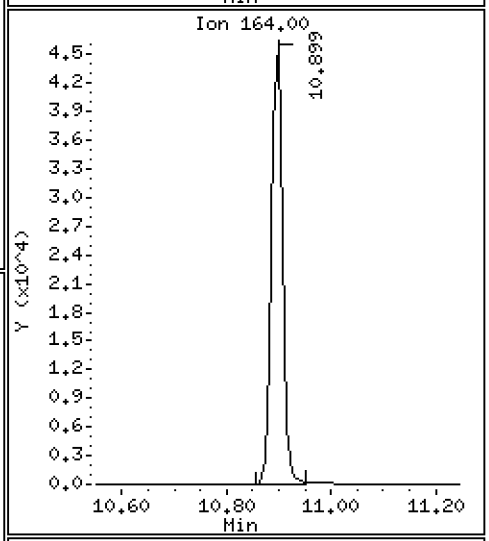


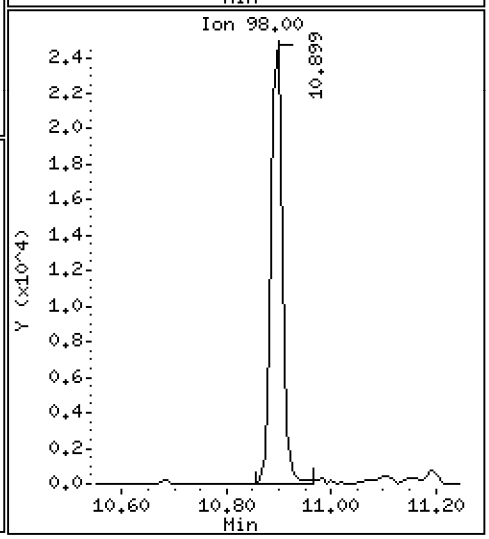












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

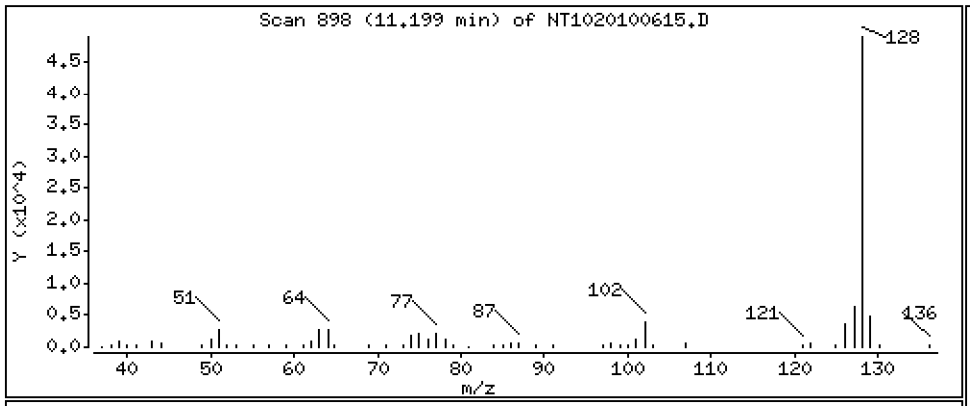
Operator: VTS

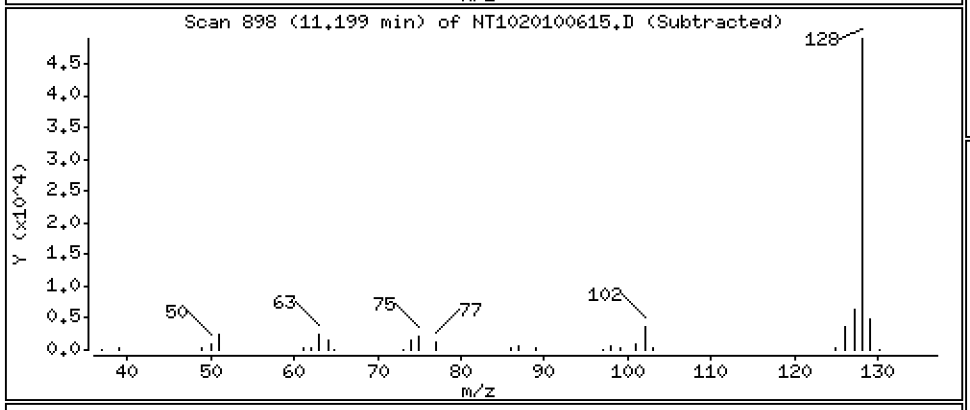
Column phase: ZB-5msi

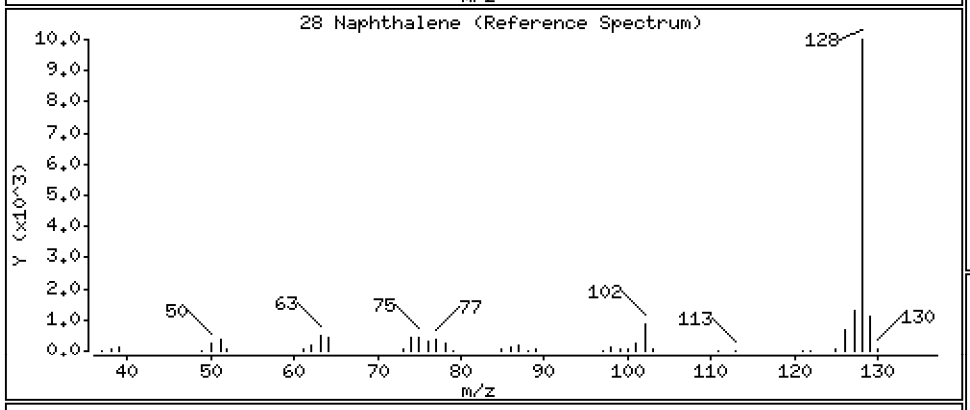
Column diameter: 0.25

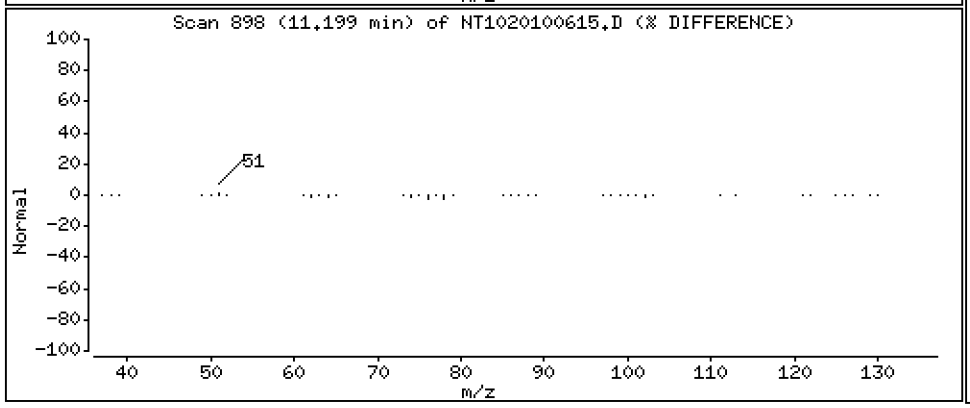
28 Naphthalene

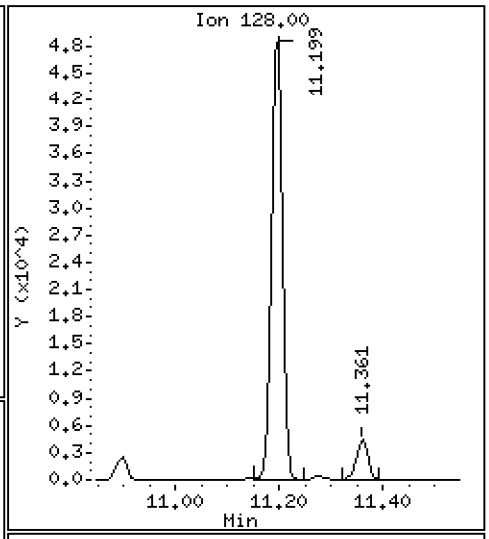
Concentration: 0.8010 ug/mL

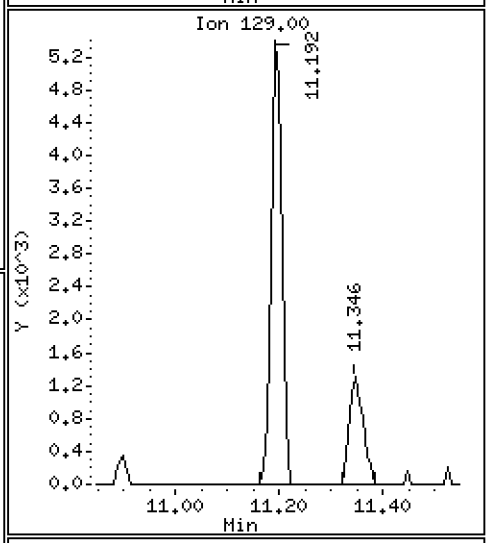


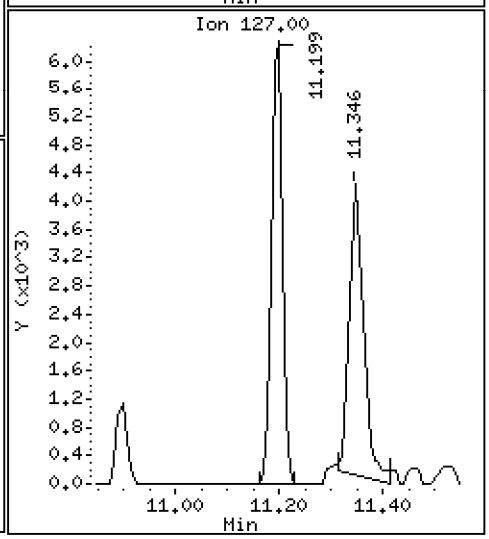












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

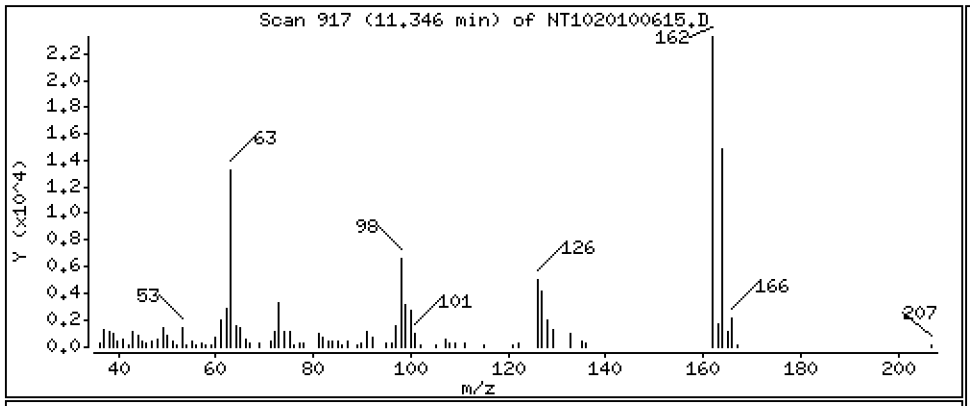
Operator: VTS

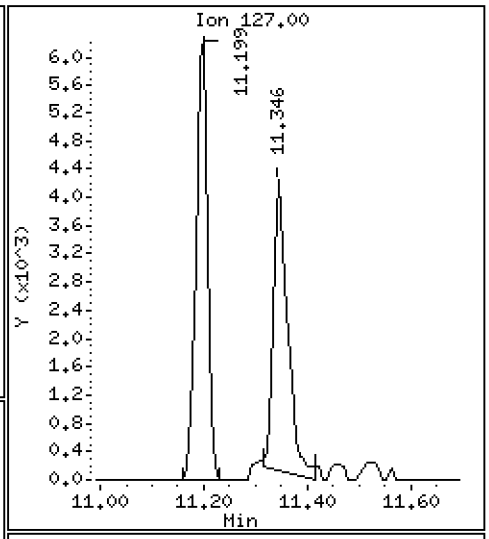
Column phase: ZB-5msi

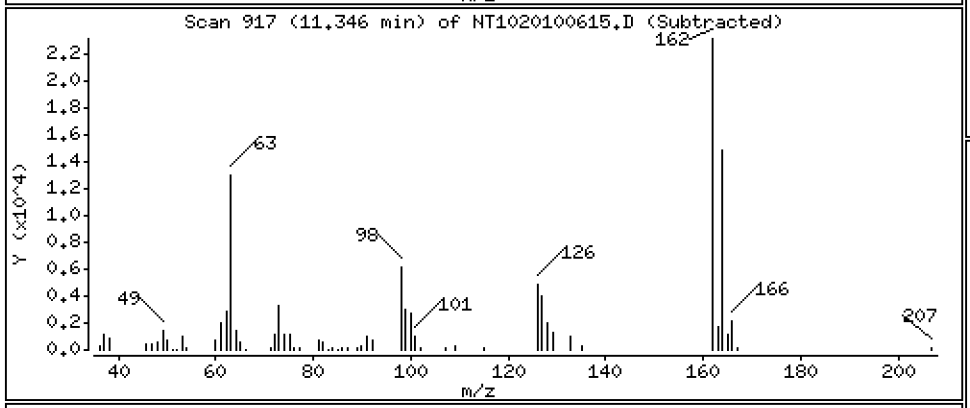
Column diameter: 0.25

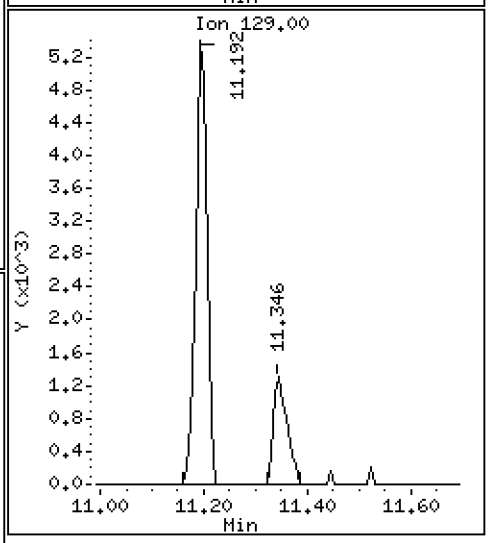
29 4-Chloroaniline

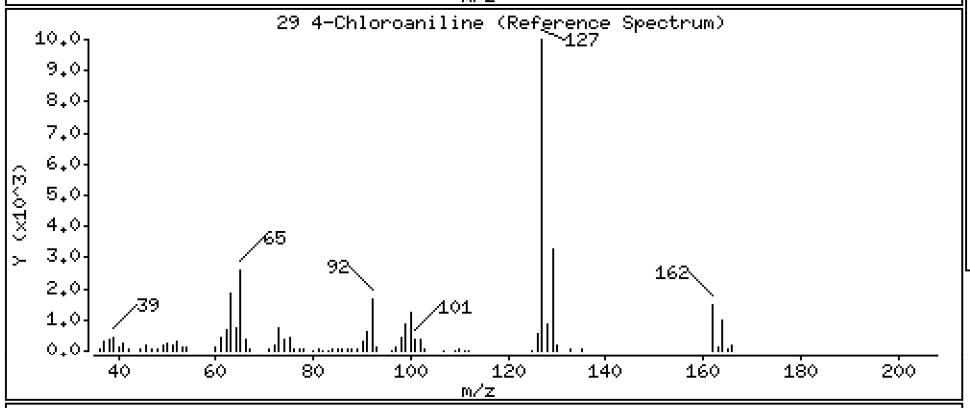
Concentration: 0.2038 ug/mL

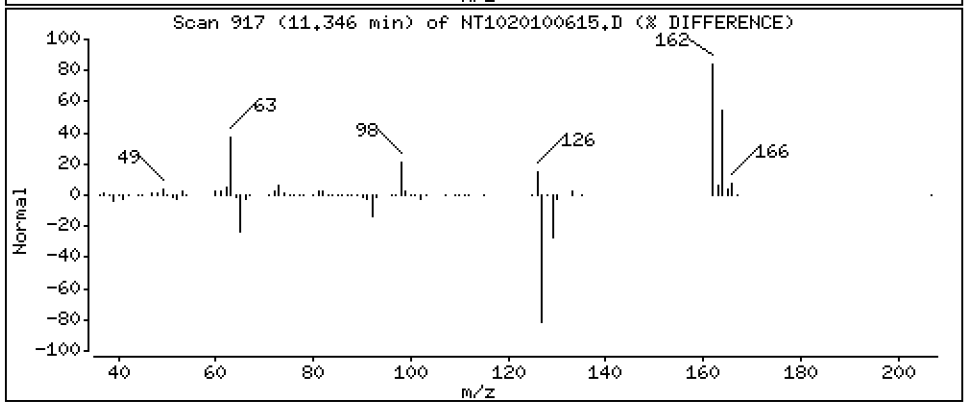












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

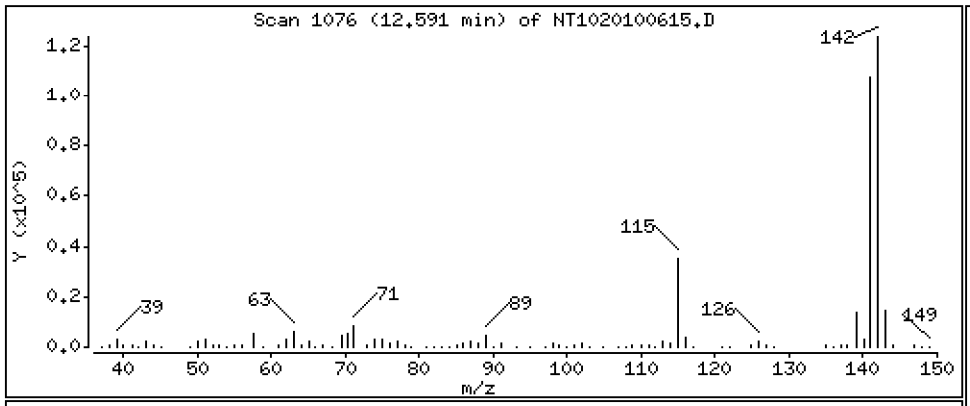
Operator: VTS

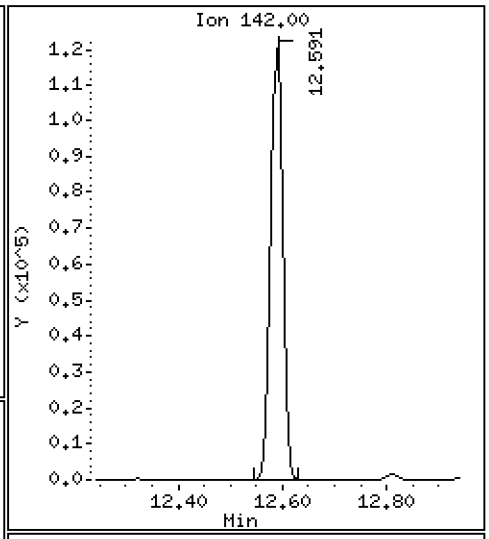
Column phase: ZB-5msi

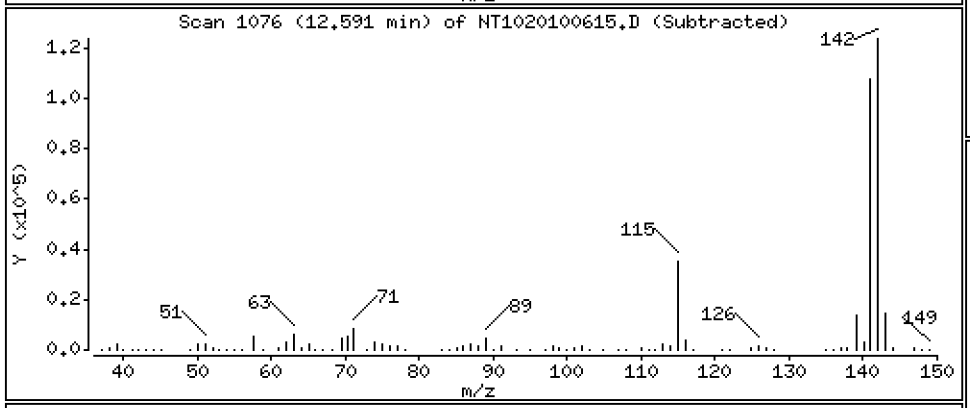
Column diameter: 0.25

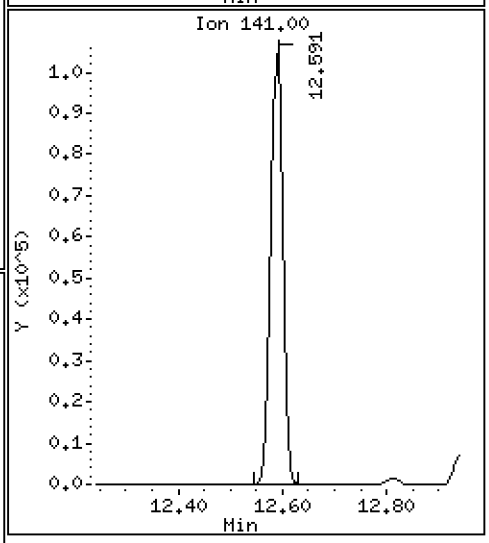
32 2-Methylnaphthalene

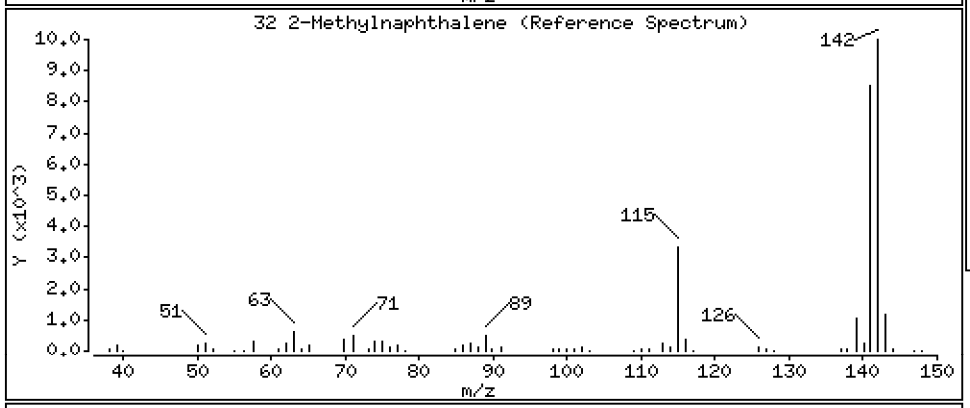
Concentration: 2.381 ug/mL

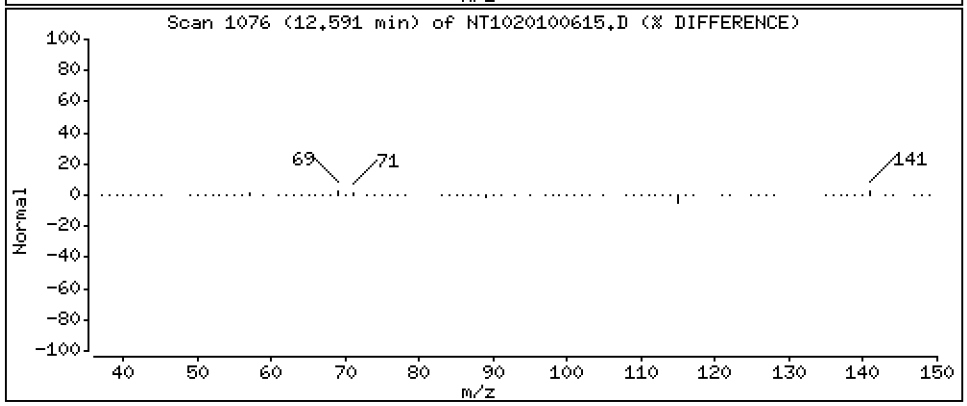












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

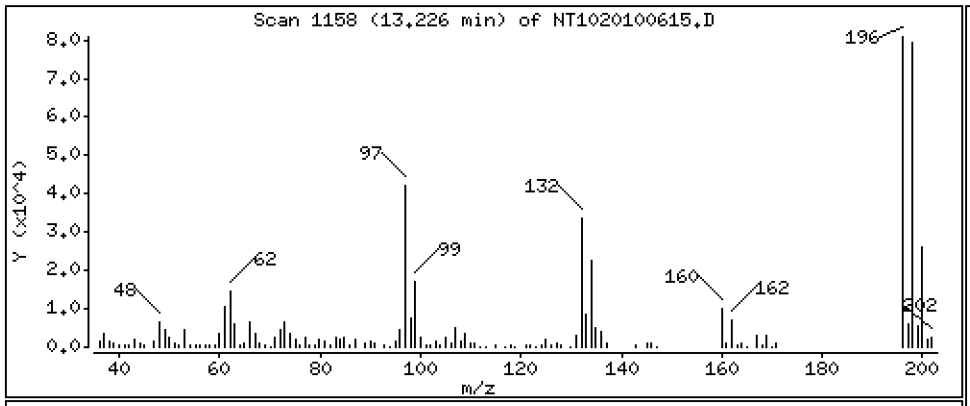
Operator: VTS

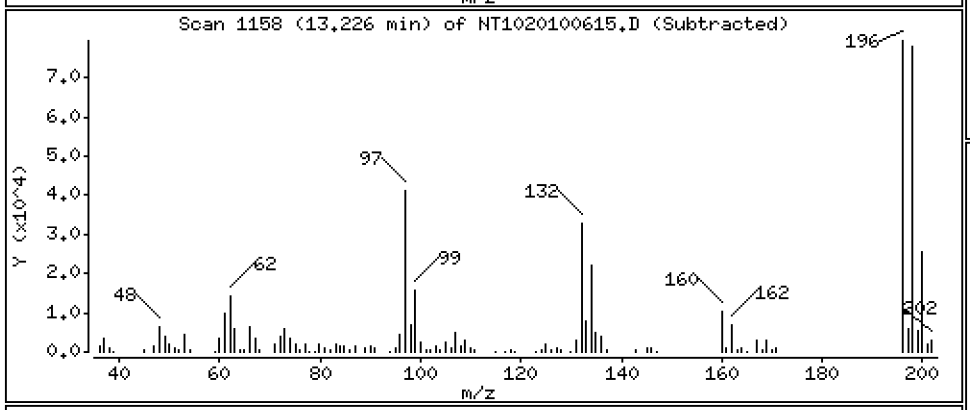
Column phase: ZB-5msi

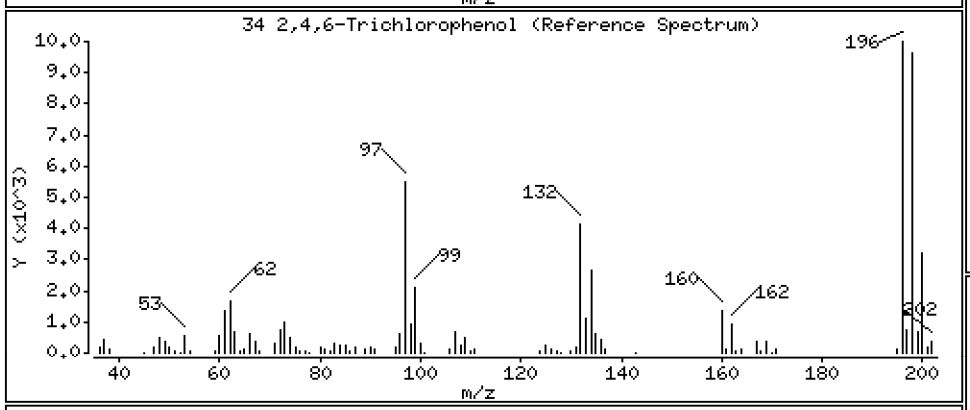
Column diameter: 0.25

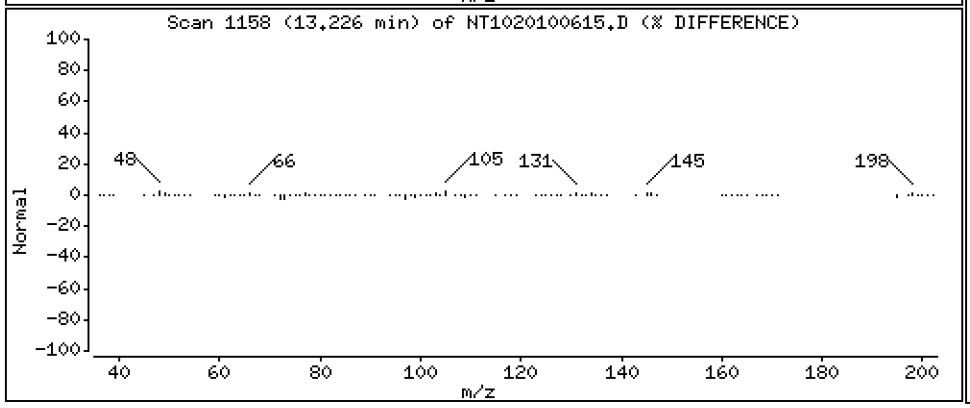
34 2,4,6-Trichlorophenol

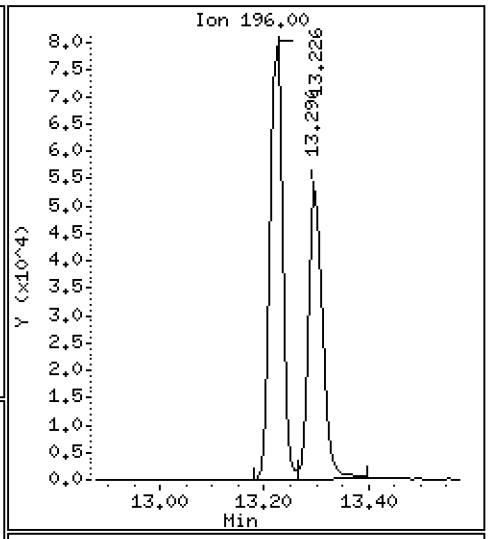
Concentration: 5.046 ug/mL

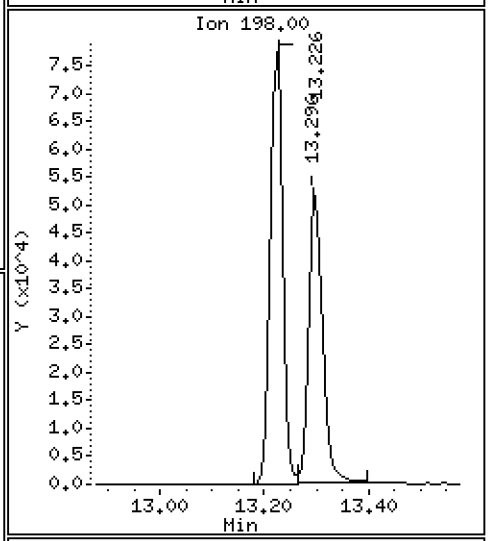


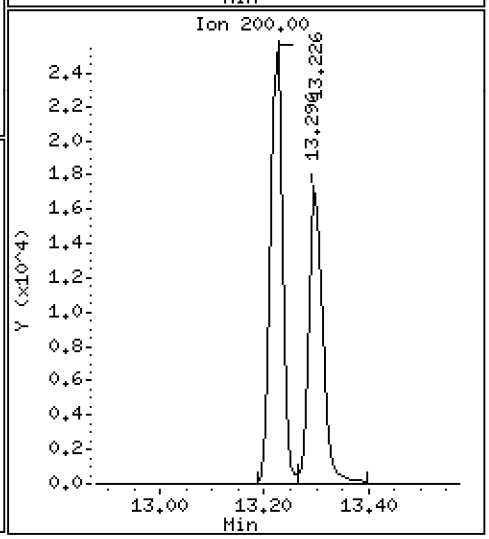












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

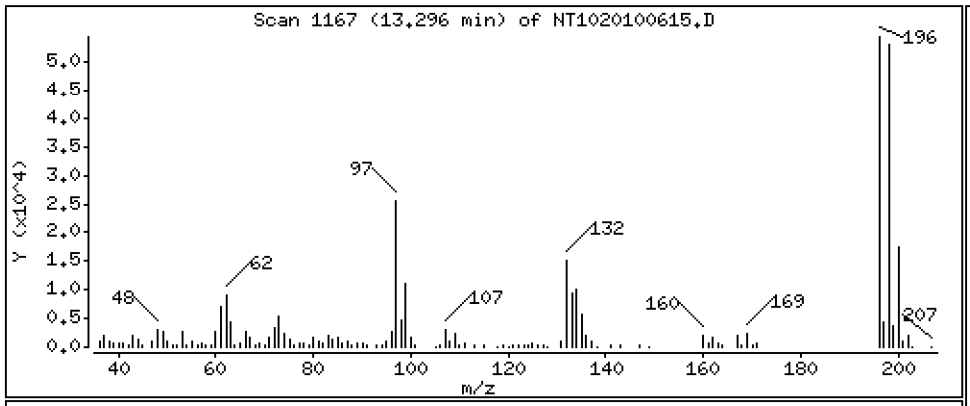
Operator: VTS

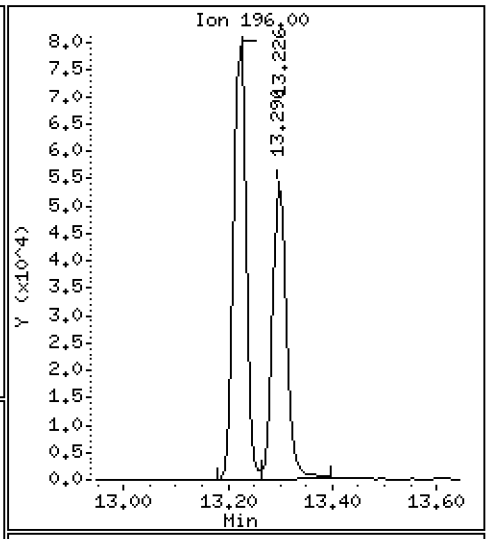
Column phase: ZB-5msi

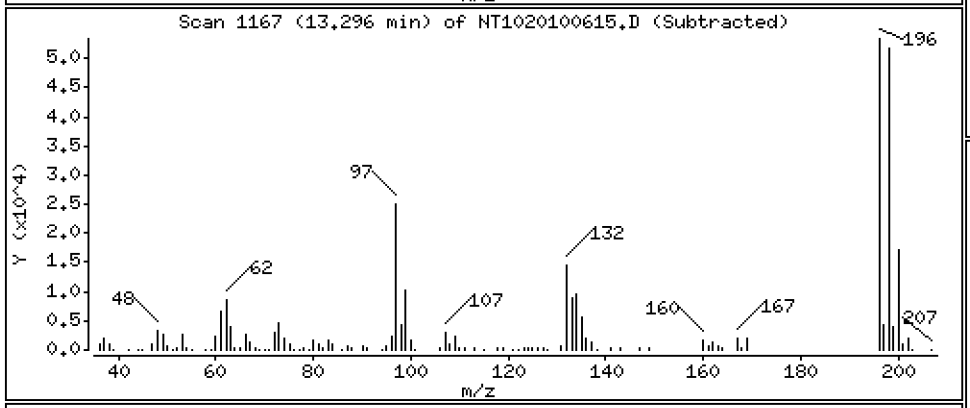
Column diameter: 0.25

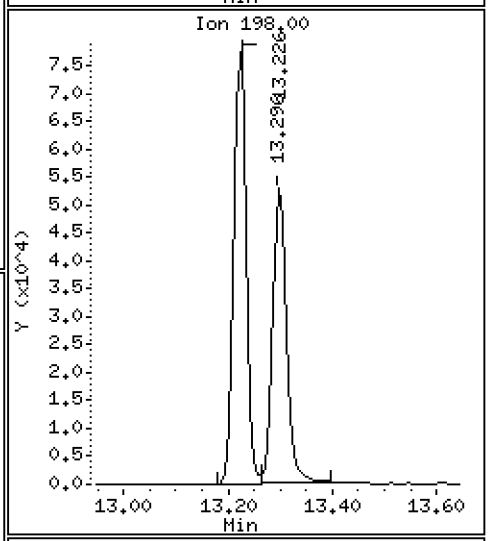
35 2,4,5-Trichlorophenol

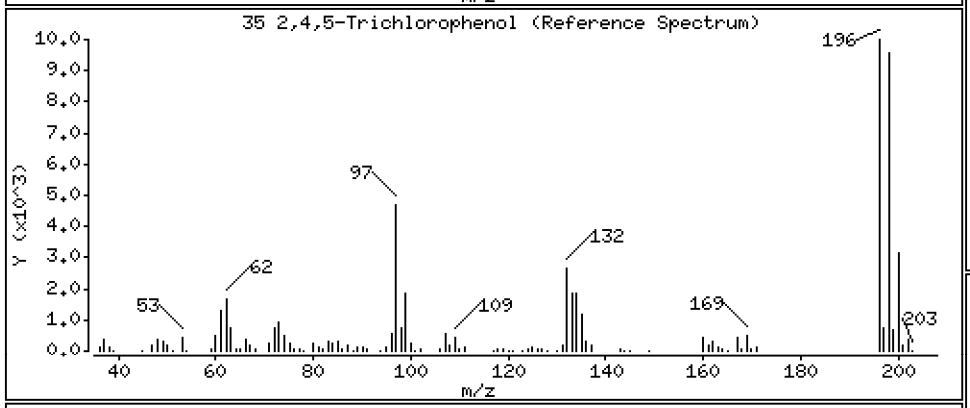
Concentration: 3.525 ug/mL

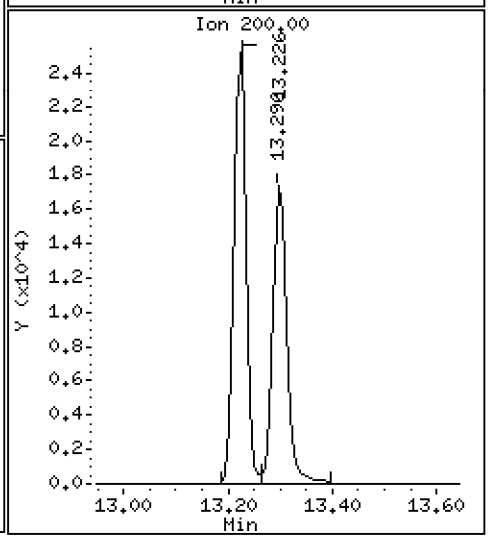


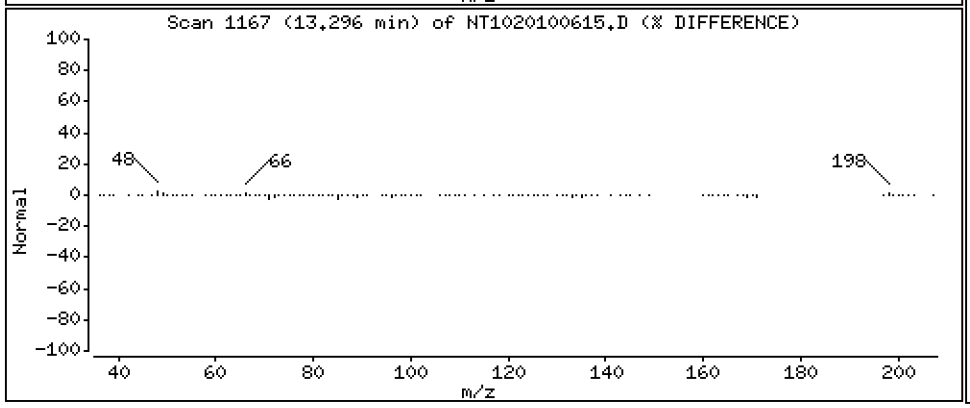












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

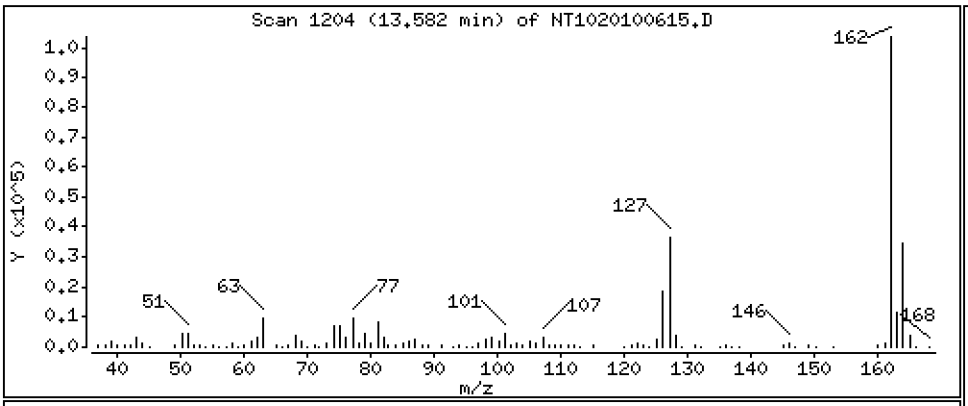
Operator: VTS

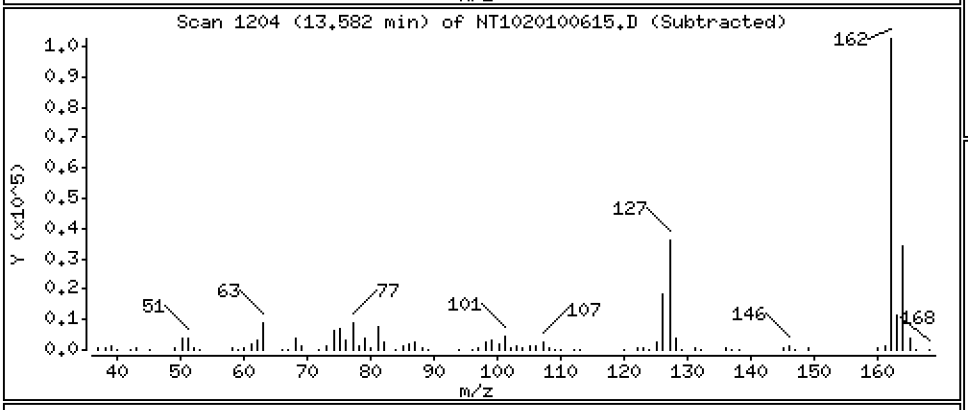
Column phase: ZB-5msi

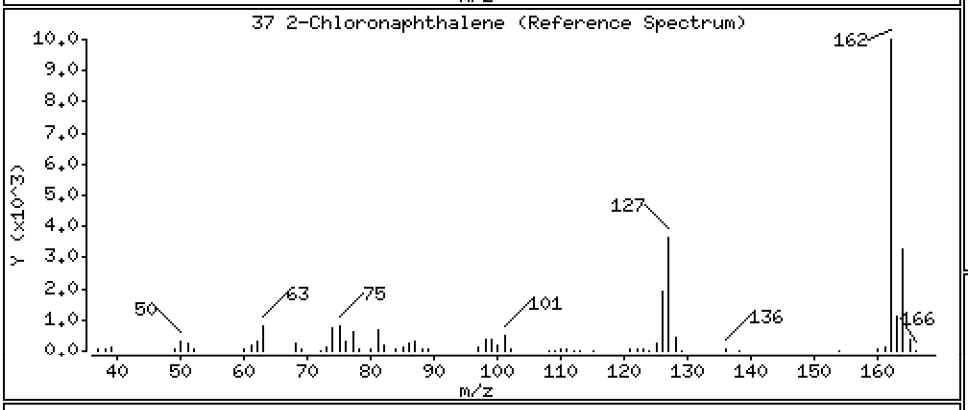
Column diameter: 0.25

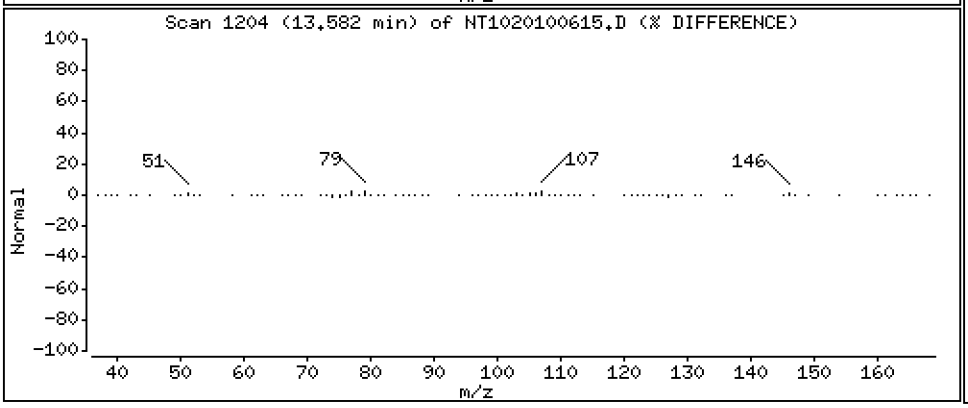
37 2-Chloronaphthalene

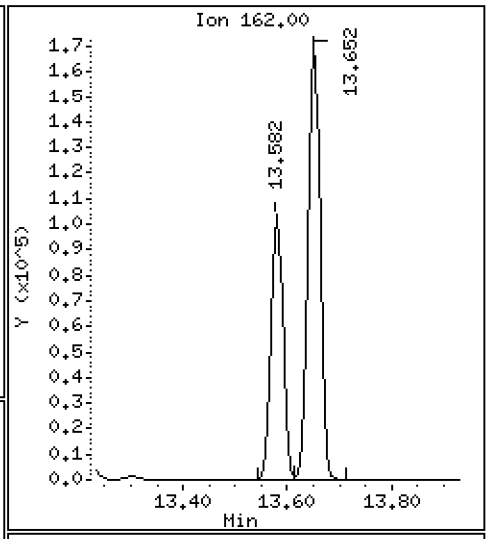
Concentration: 1.988 ug/mL

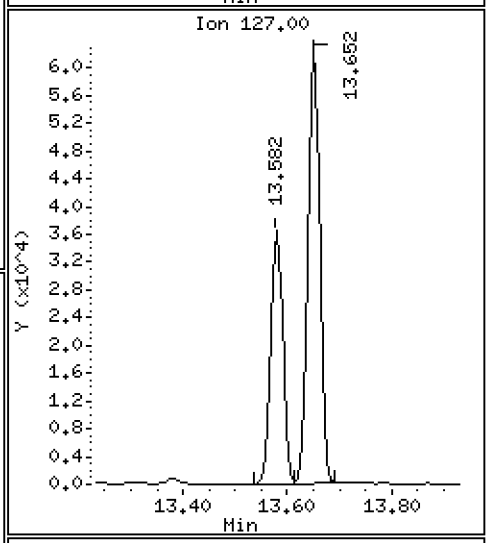


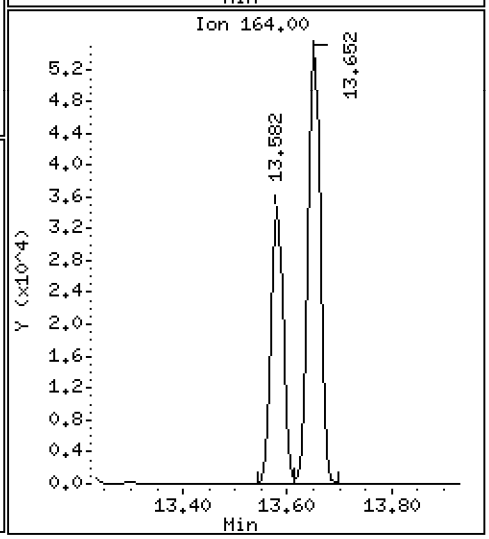












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

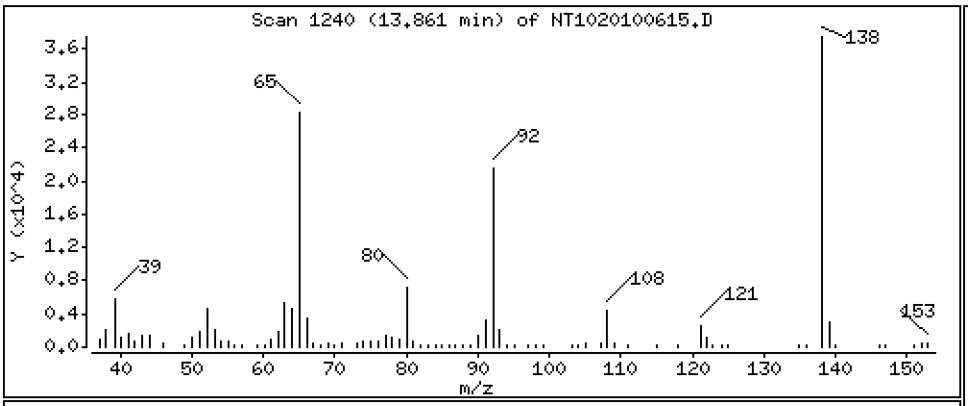
Operator: VTS

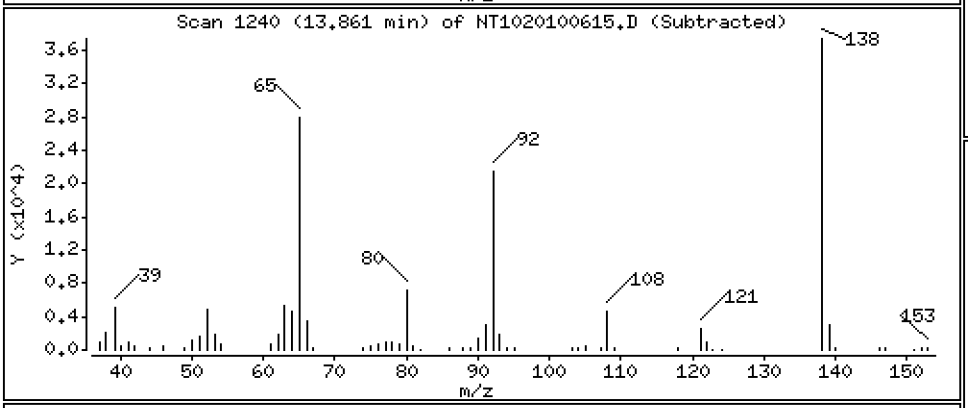
Column phase: ZB-5msi

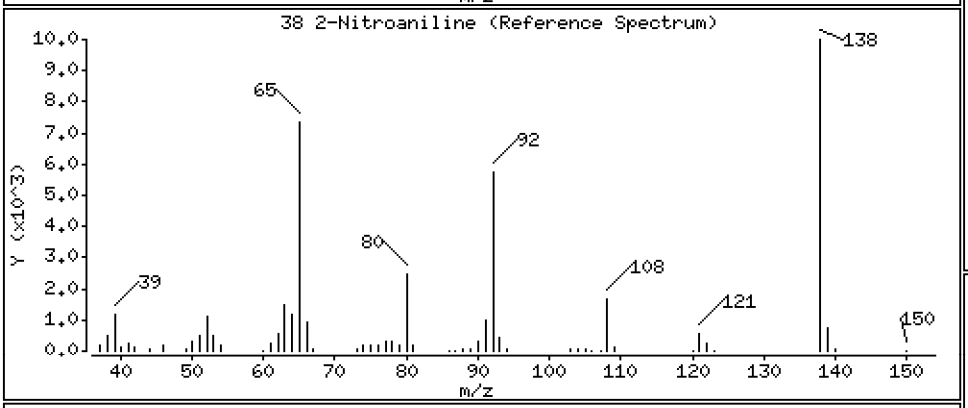
Column diameter: 0.25

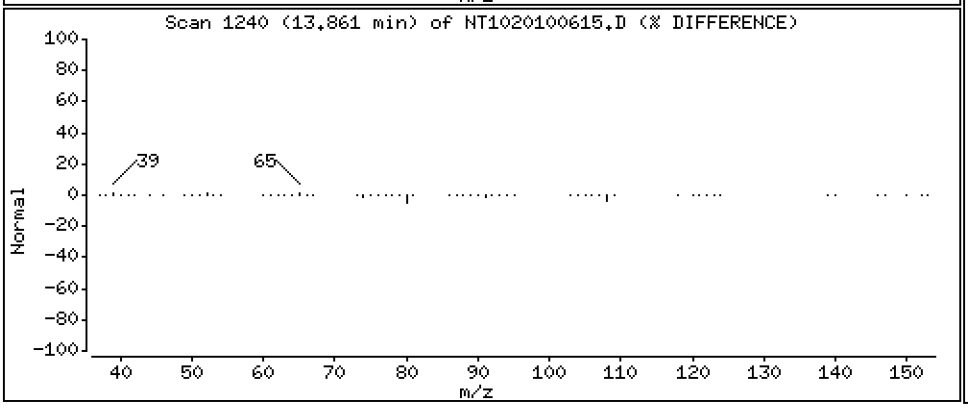
38 2-Nitroaniline

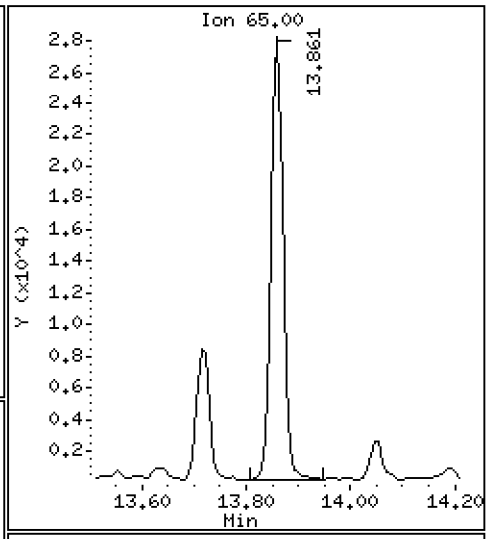
Concentration: 2.085 ug/mL

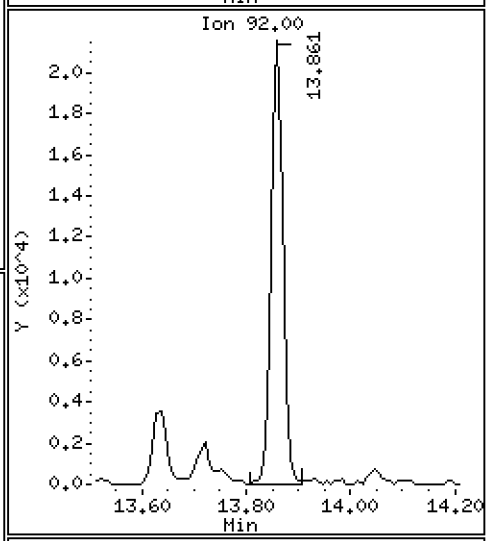


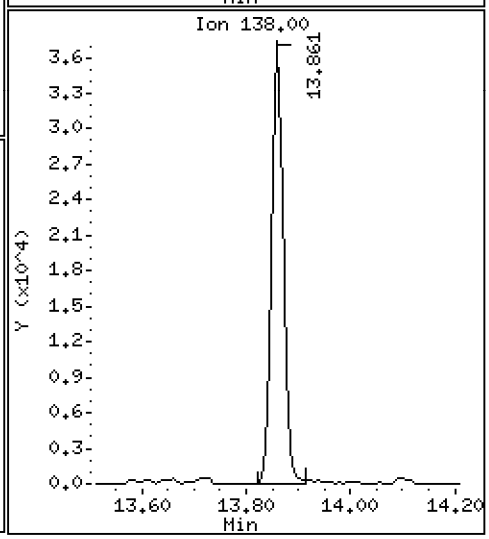












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

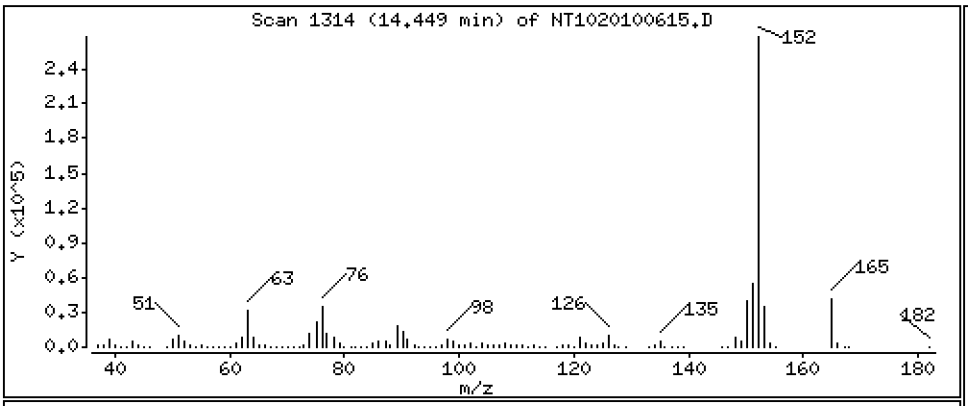
Operator: VTS

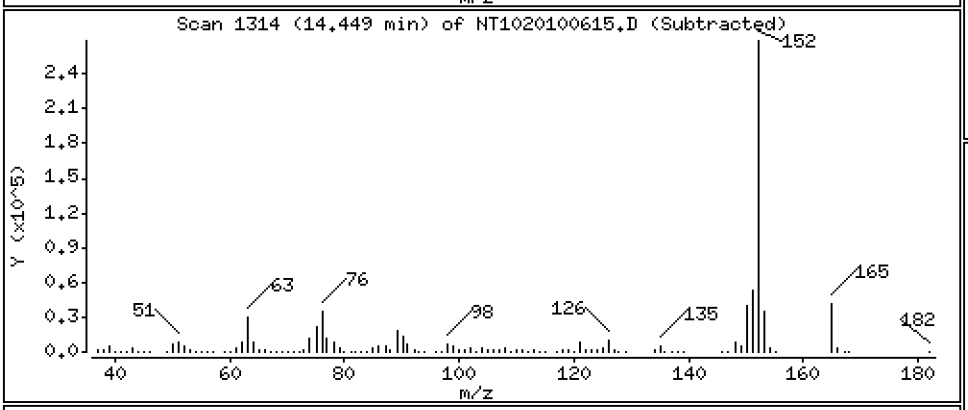
Column phase: ZB-5msi

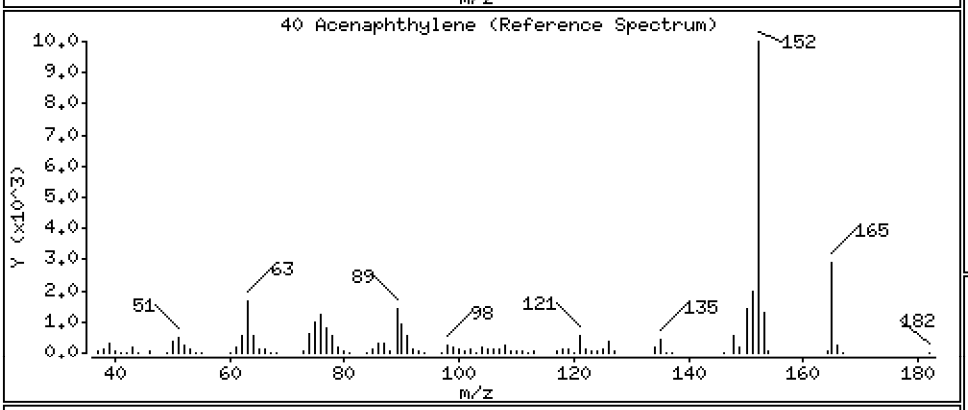
Column diameter: 0.25

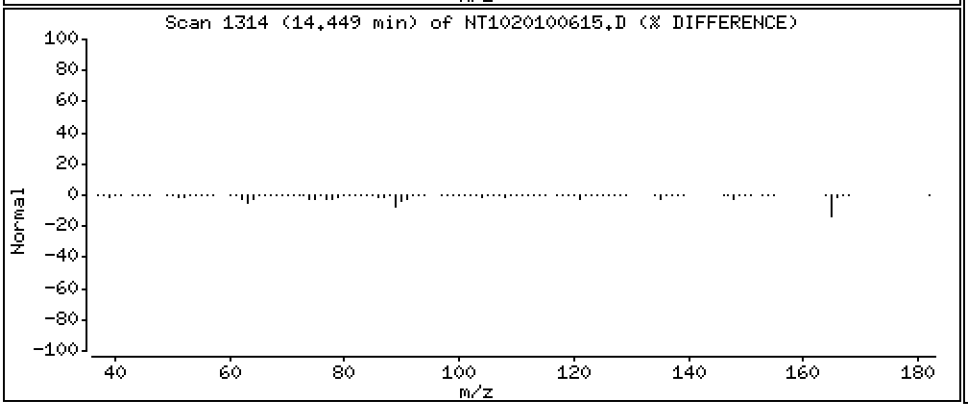
40 Acenaphthylene

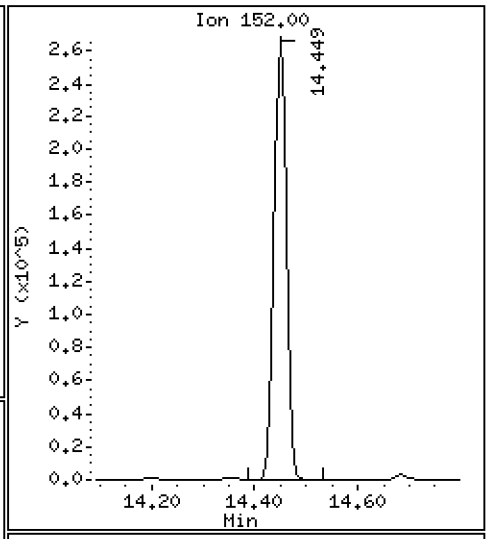
Concentration: 3.663 ug/mL

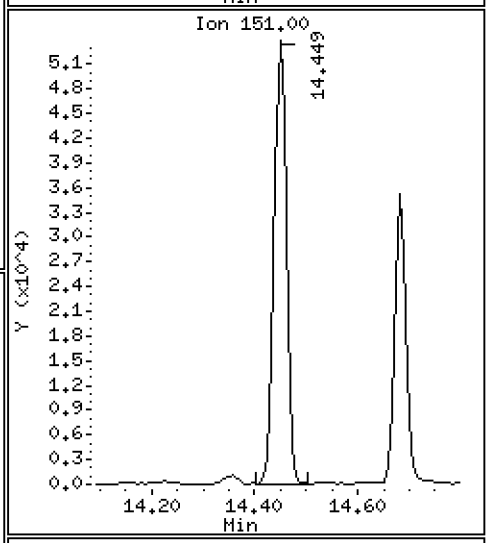


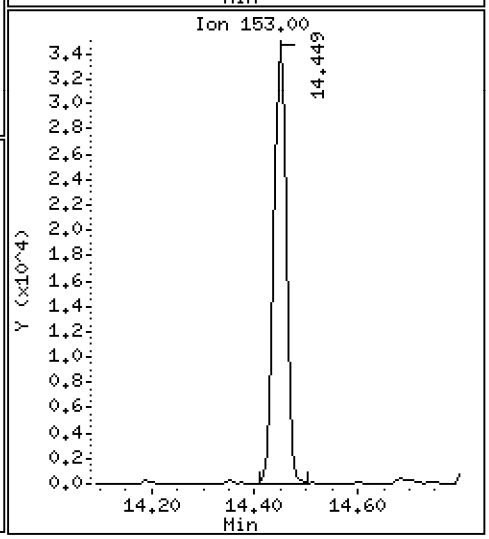












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

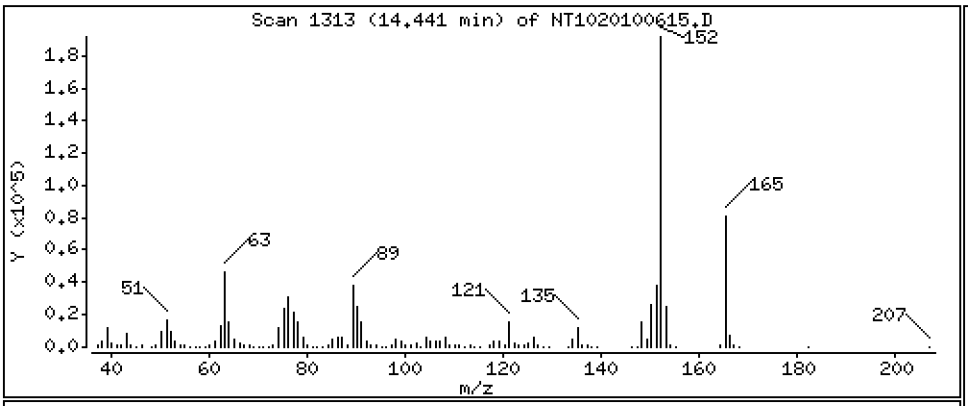
Operator: VTS

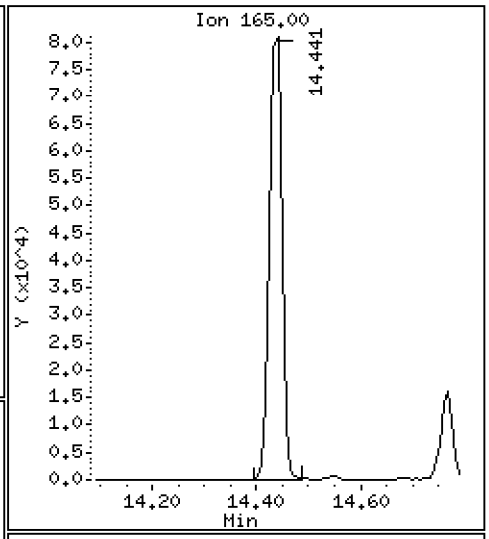
Column phase: ZB-5msi

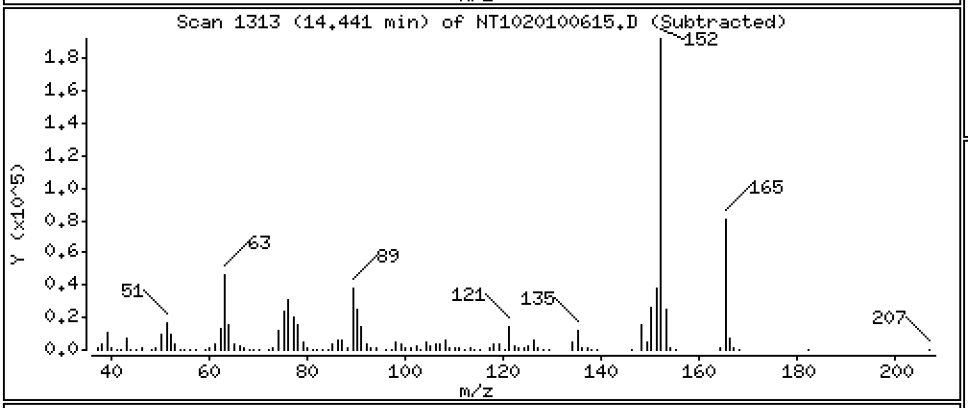
Column diameter: 0.25

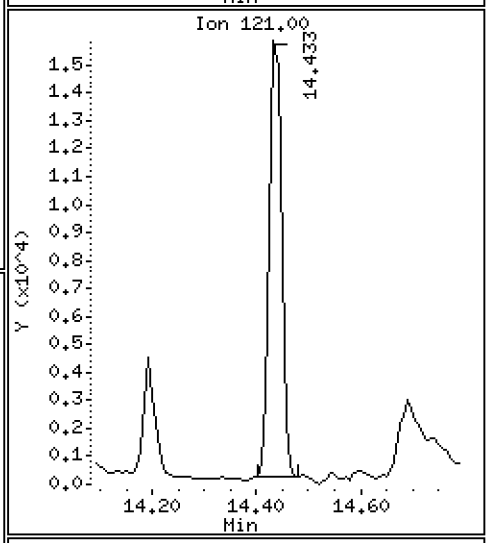
41 2,6-Dinitrotoluene

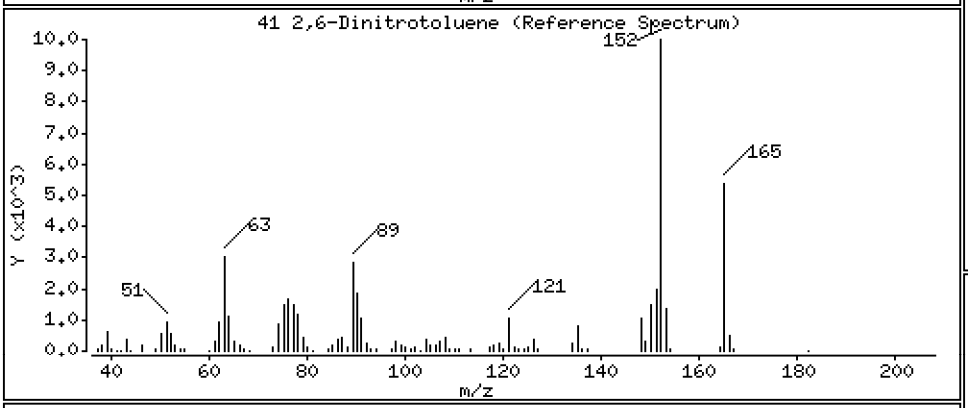
Concentration: 7.332 ug/mL

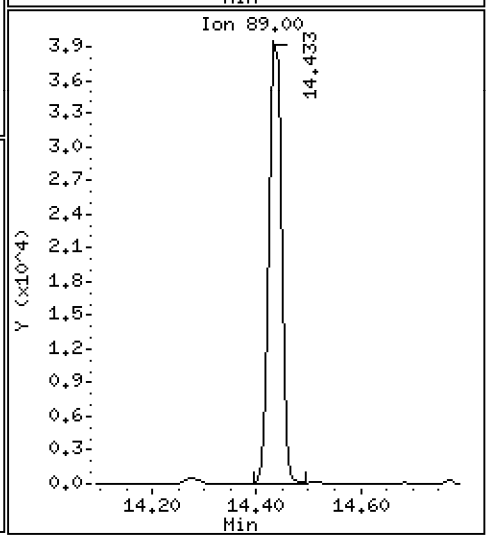


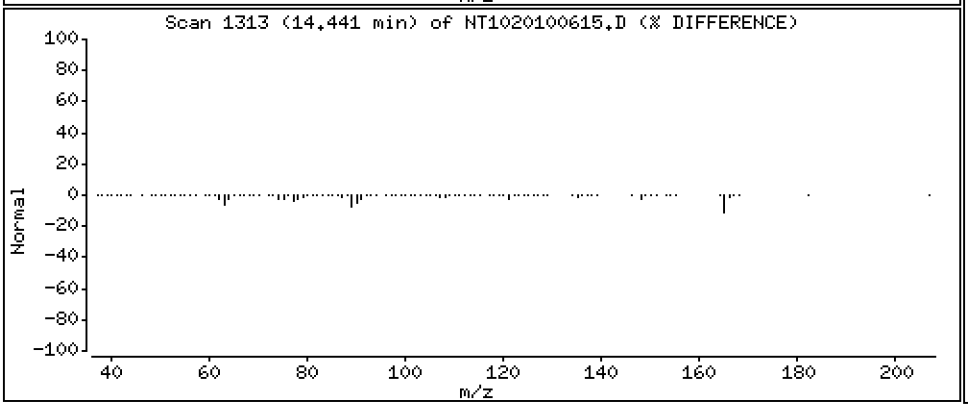












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

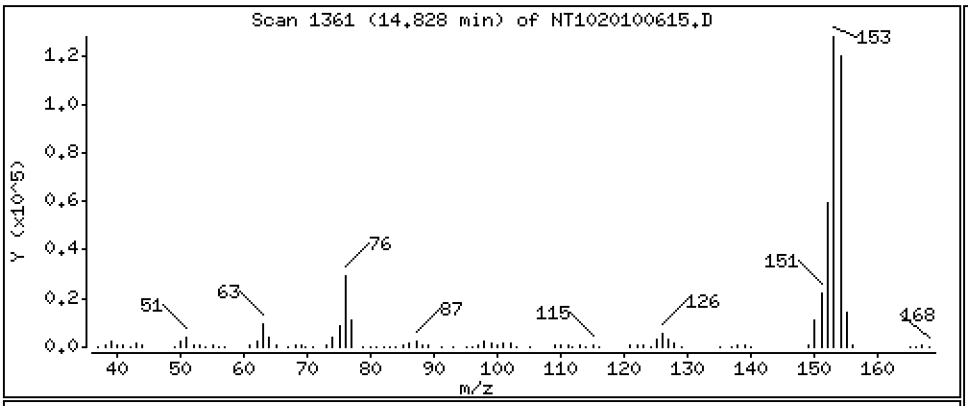
Operator: VTS

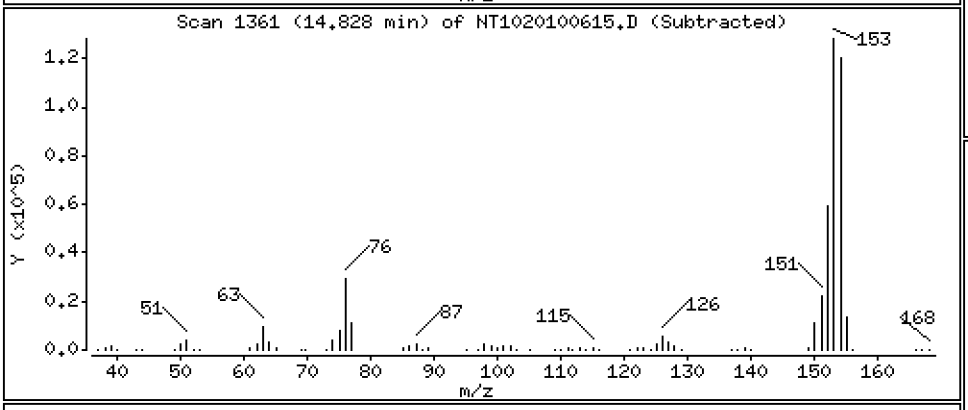
Column phase: ZB-5msi

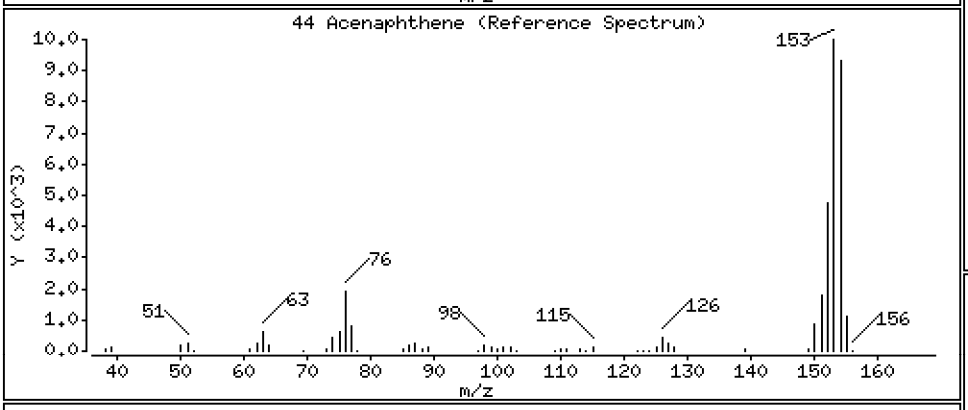
Column diameter: 0.25

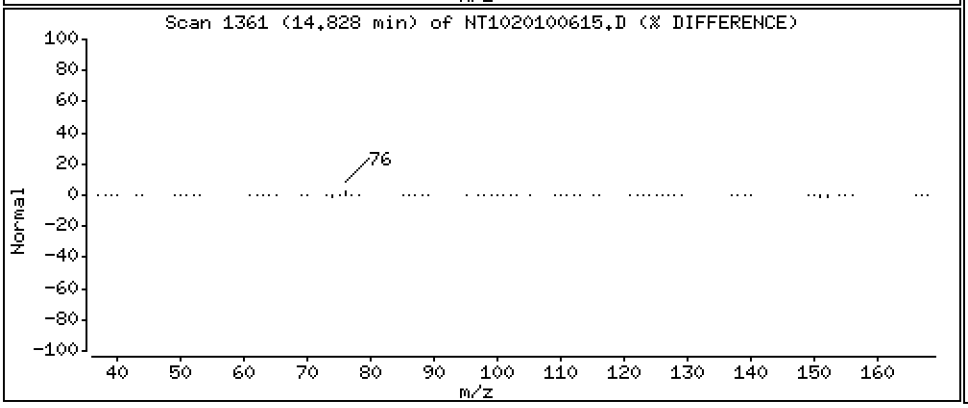
44 Acenaphthene

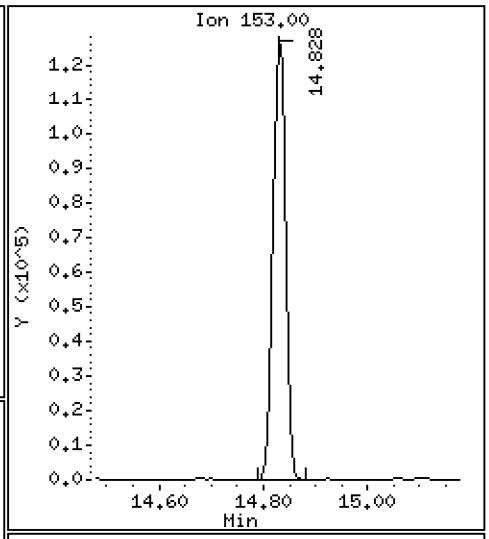
Concentration: 3.096 ug/mL

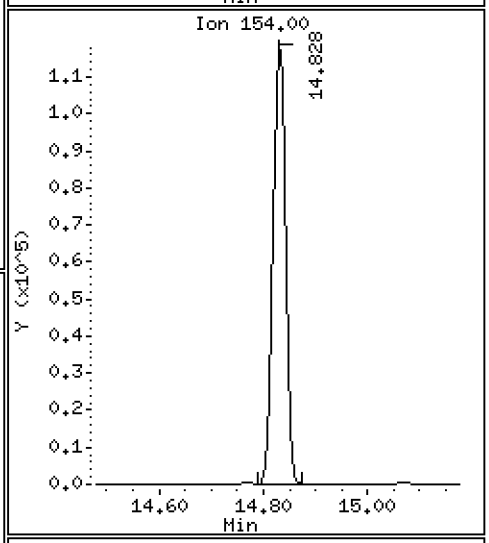


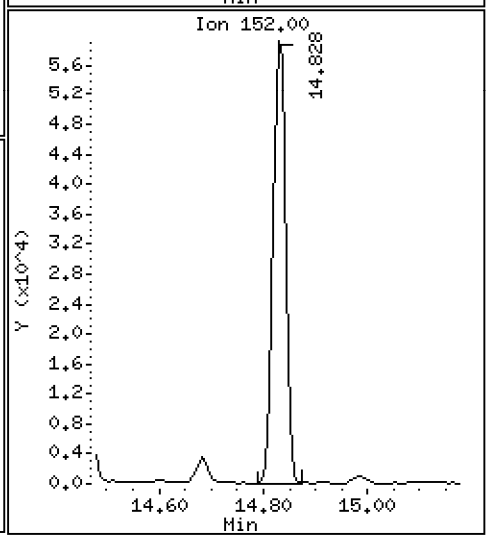












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

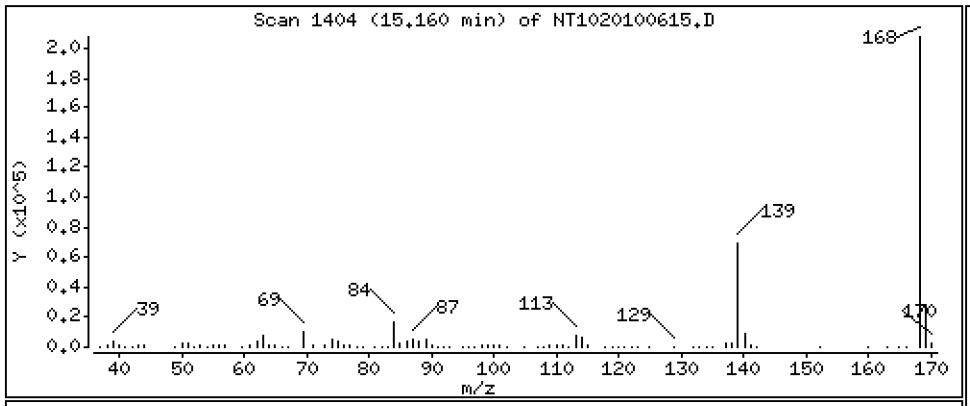
Operator: VTS

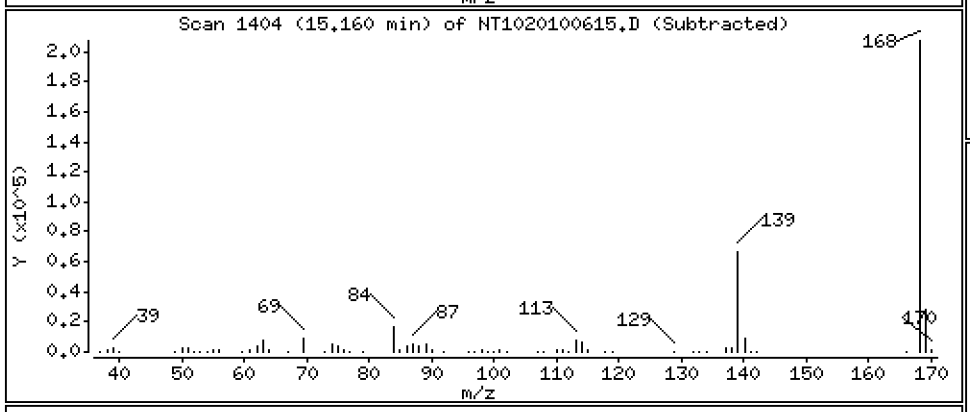
Column phase: ZB-5msi

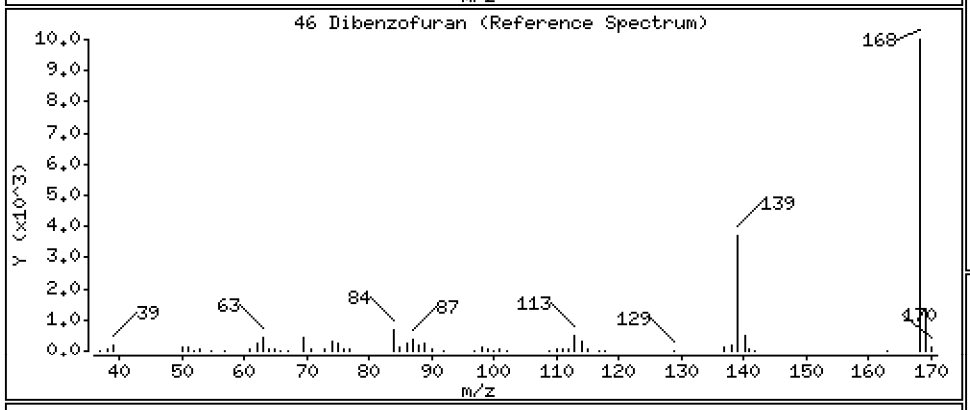
Column diameter: 0.25

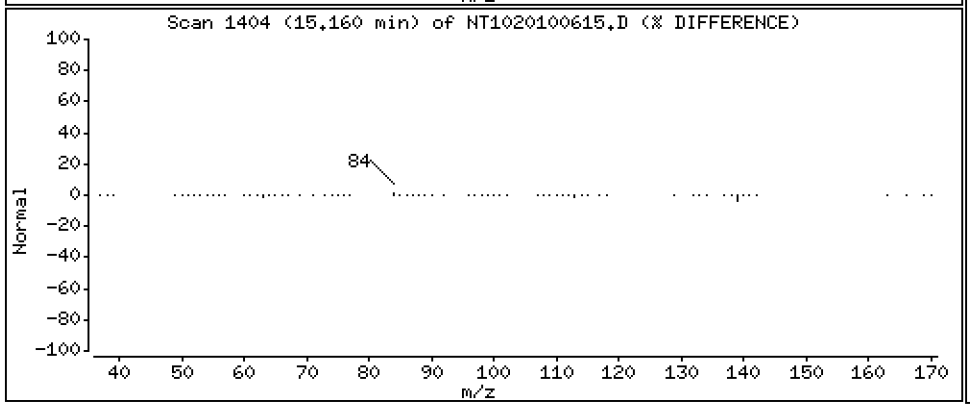
46 Dibenzofuran

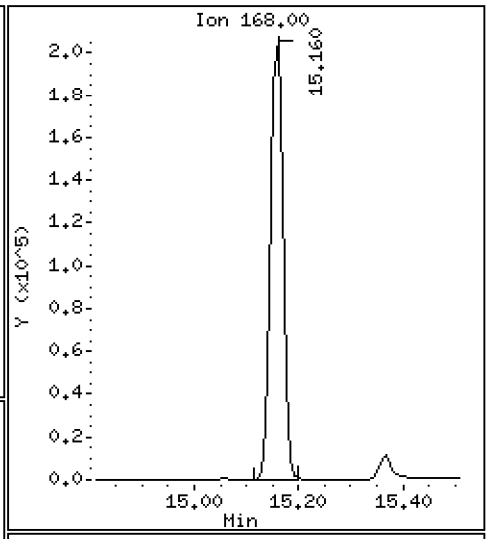
Concentration: 3.374 ug/mL

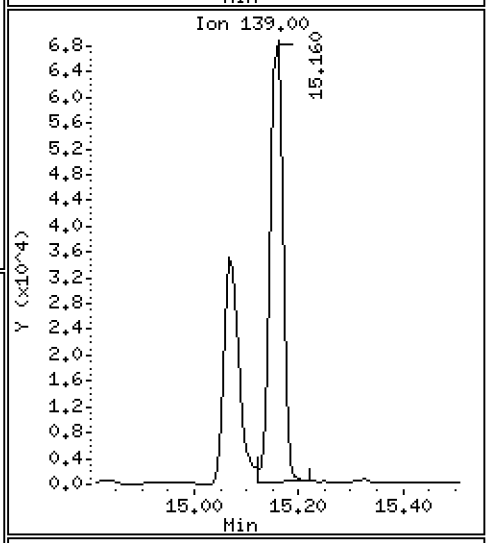


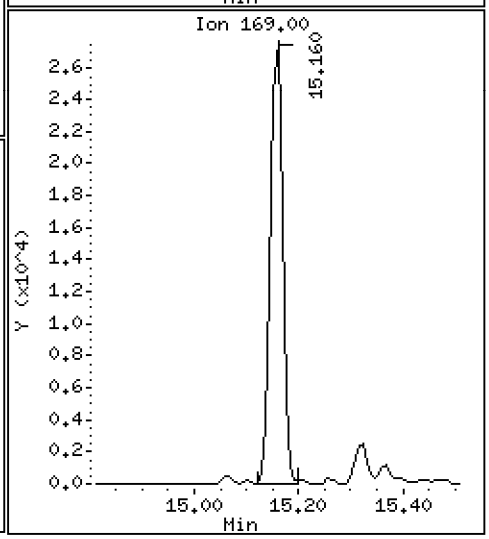












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

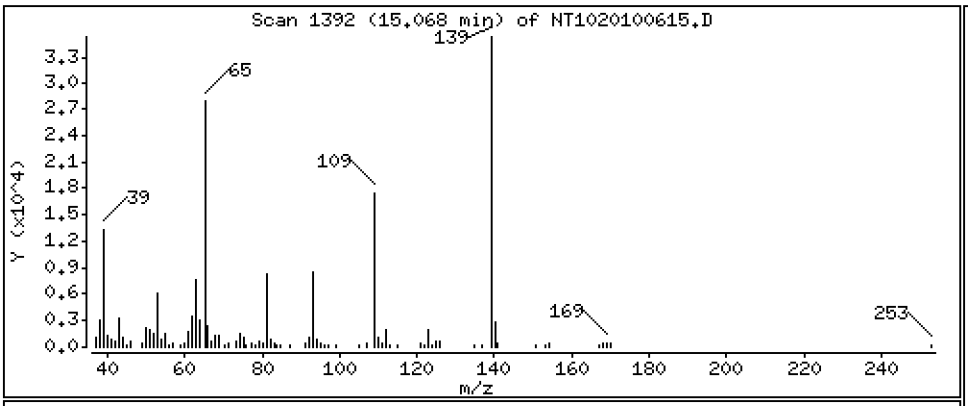
Operator: VTS

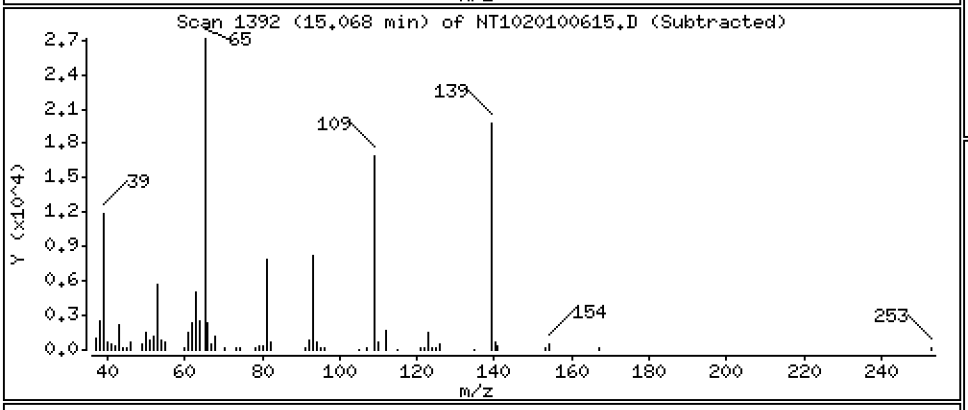
Column phase: ZB-5msi

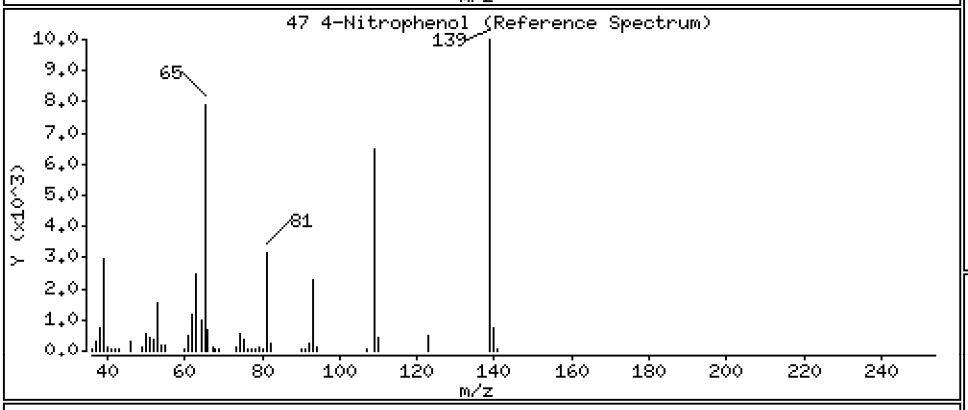
Column diameter: 0.25

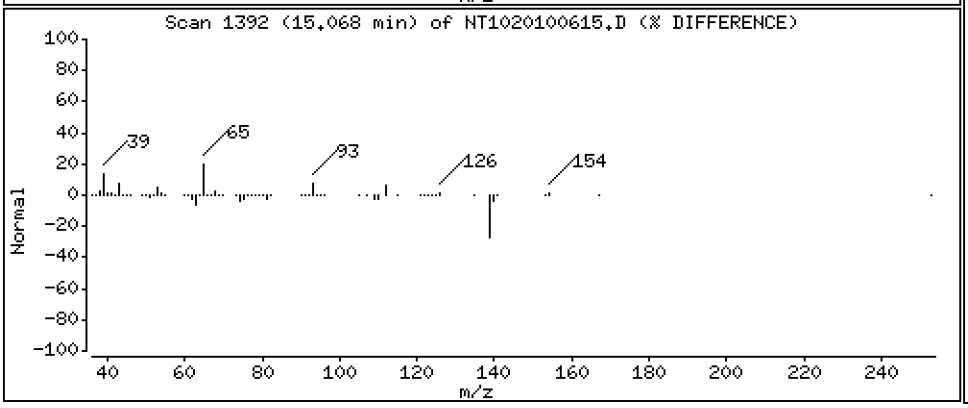
47 4-Nitrophenol

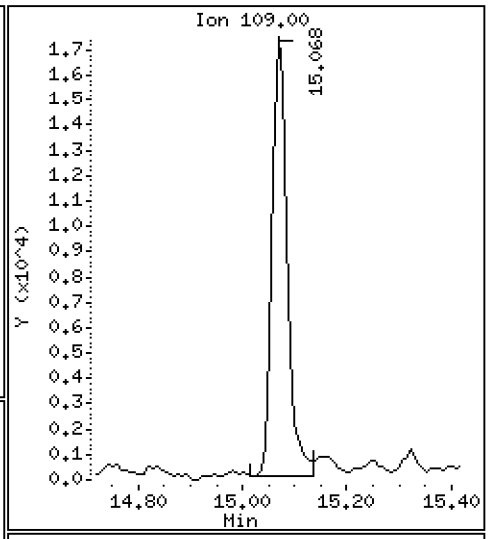
Concentration: 5.010 ug/mL

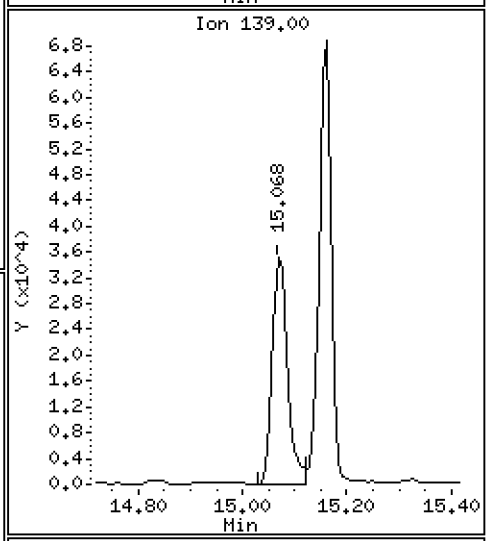


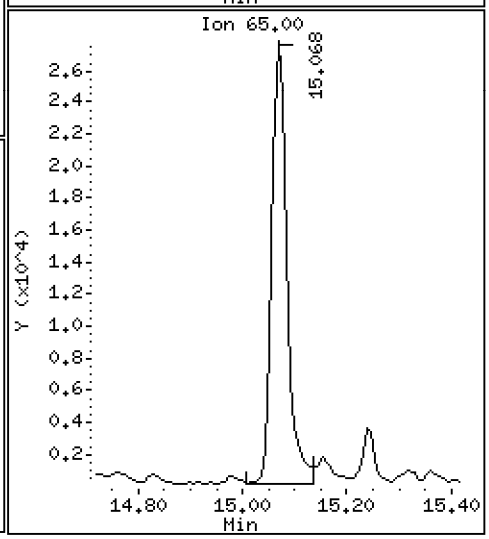












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

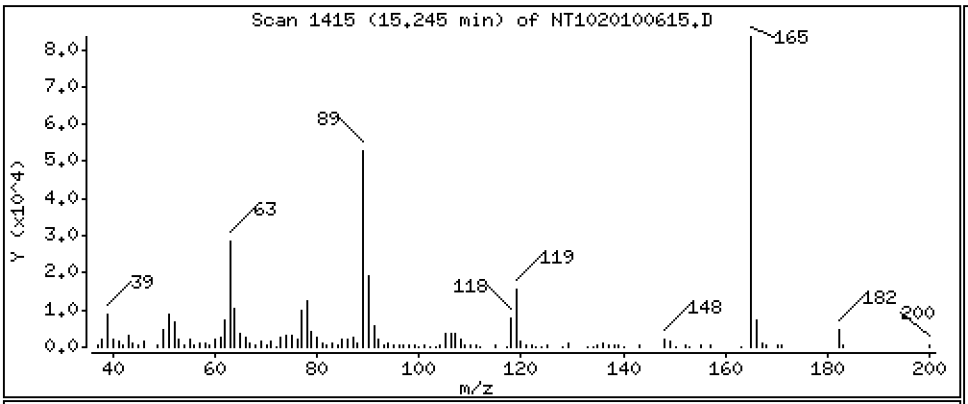
Operator: VTS

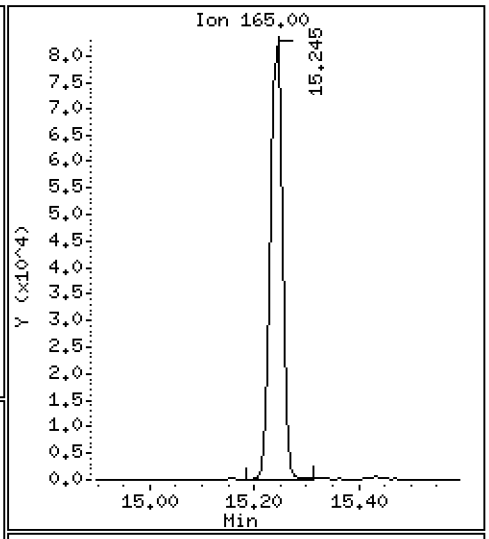
Column phase: ZB-5msi

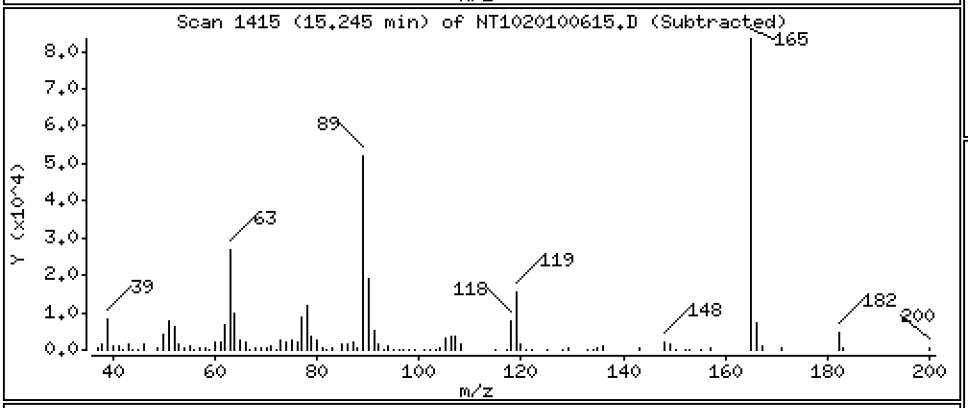
Column diameter: 0.25

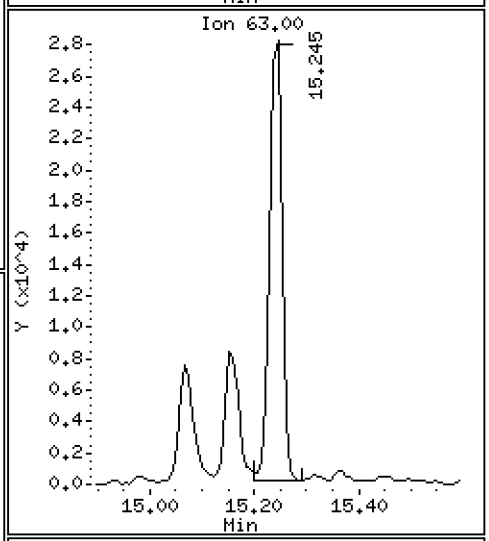
48 2,4-Dinitrotoluene

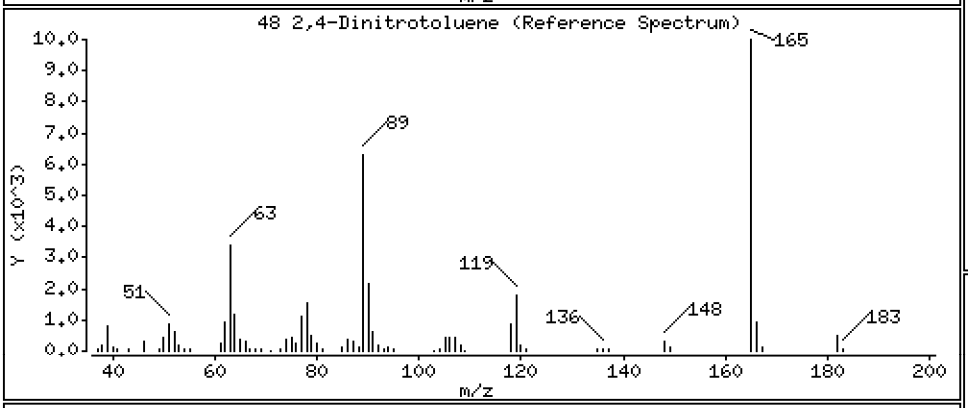
Concentration: 5.413 ug/mL

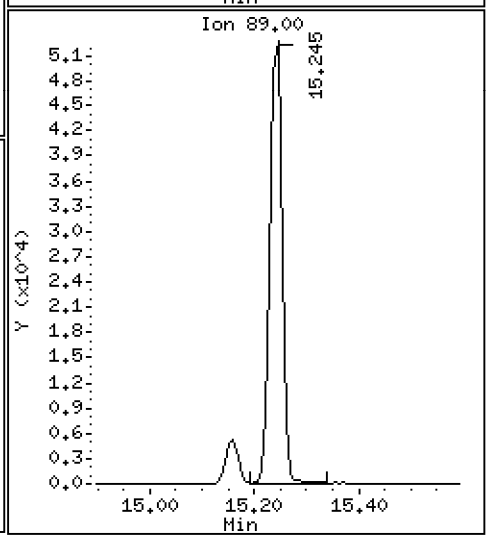


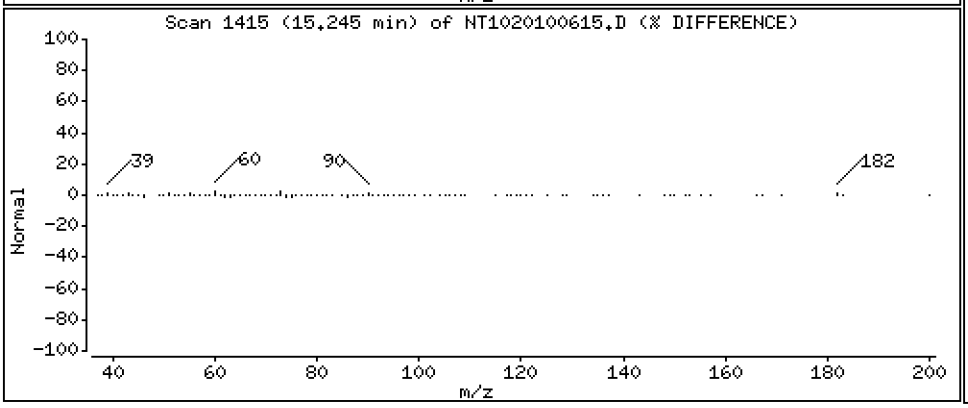












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

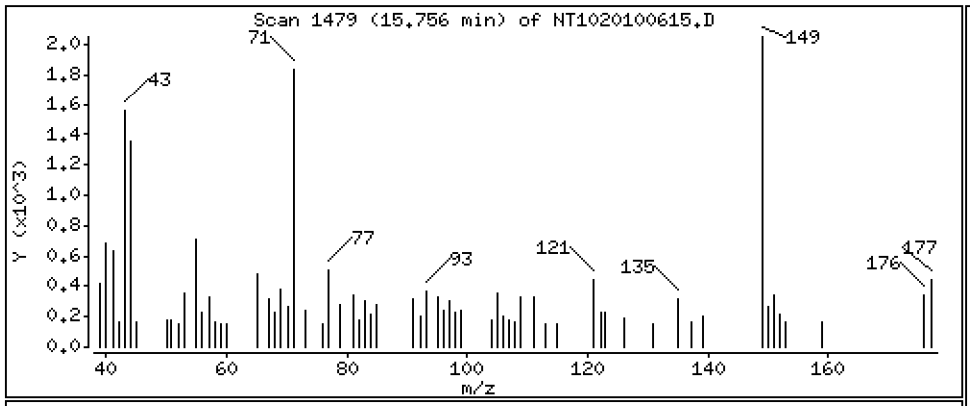
Operator: VTS

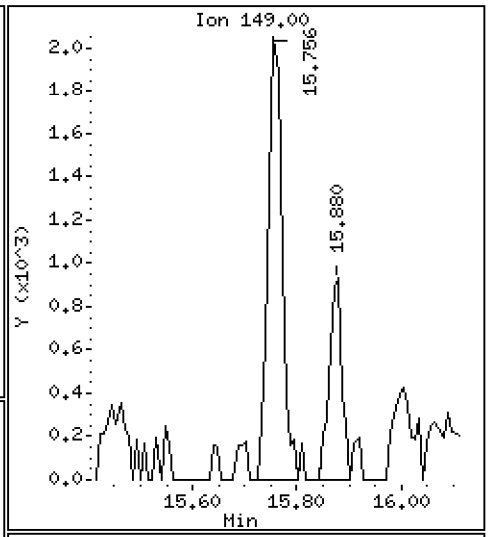
Column phase: ZB-5msi

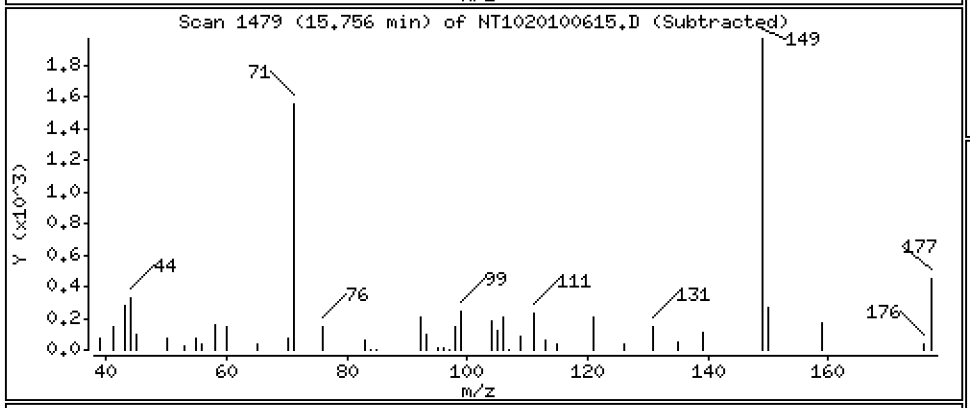
Column diameter: 0.25

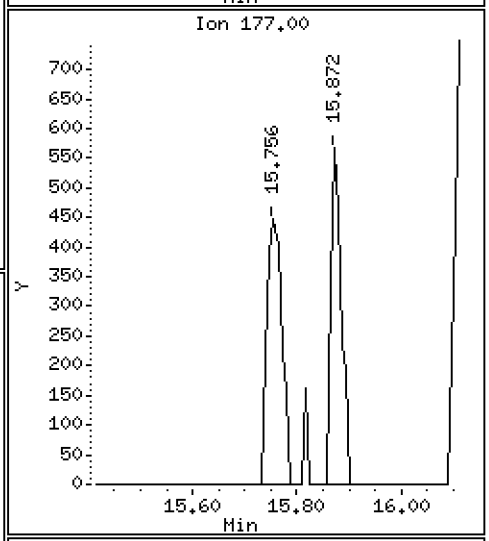
50 Diethylphthalate

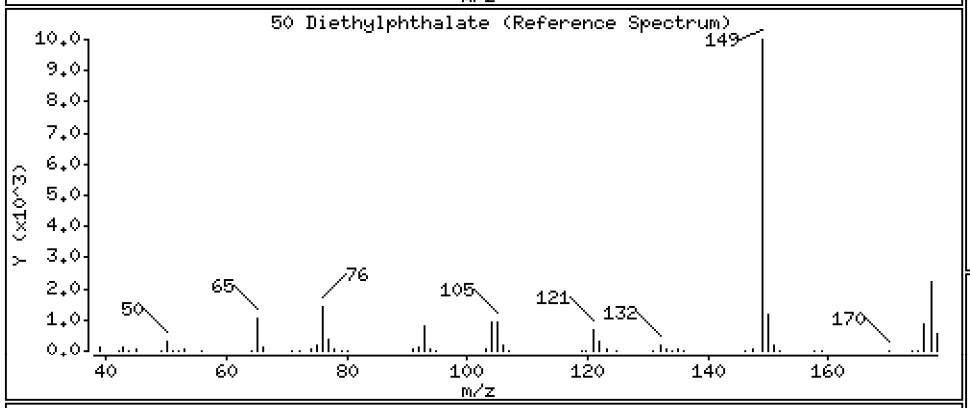
Concentration: 0.05251 ug/mL

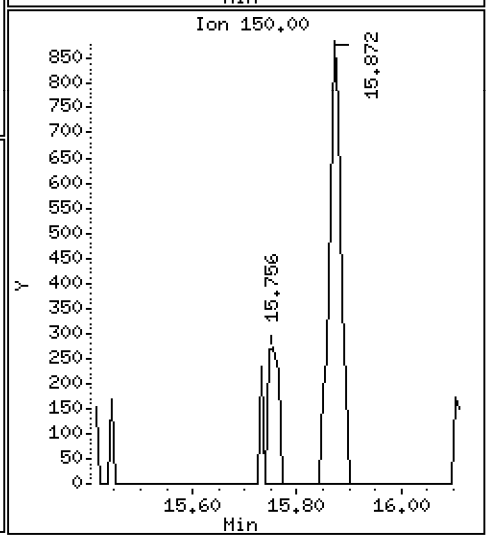


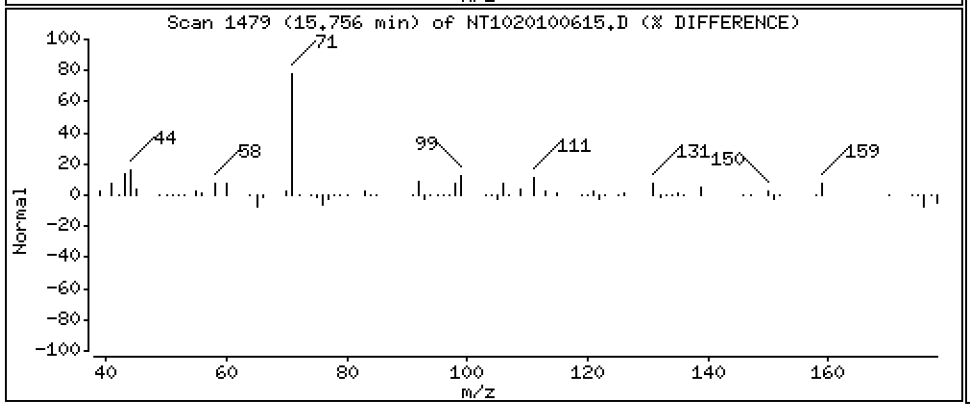












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

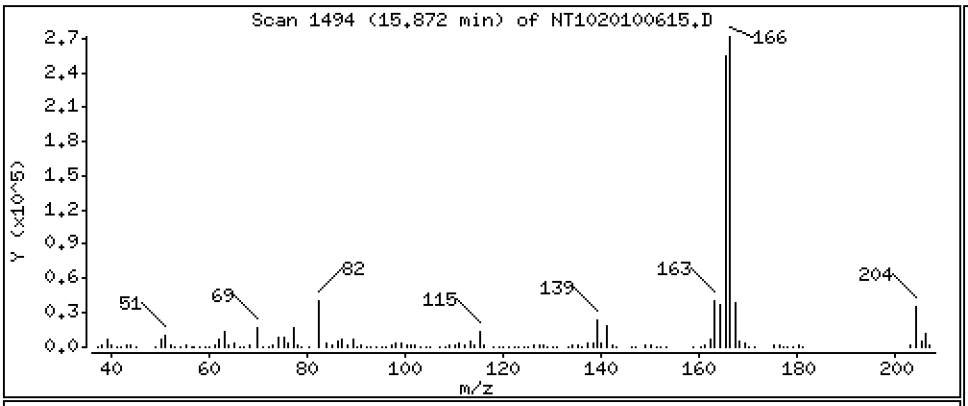
Operator: VTS

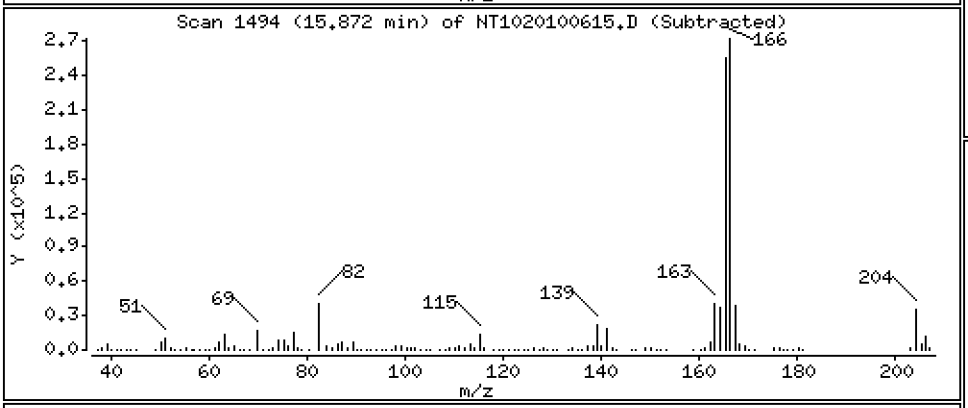
Column phase: ZB-5msi

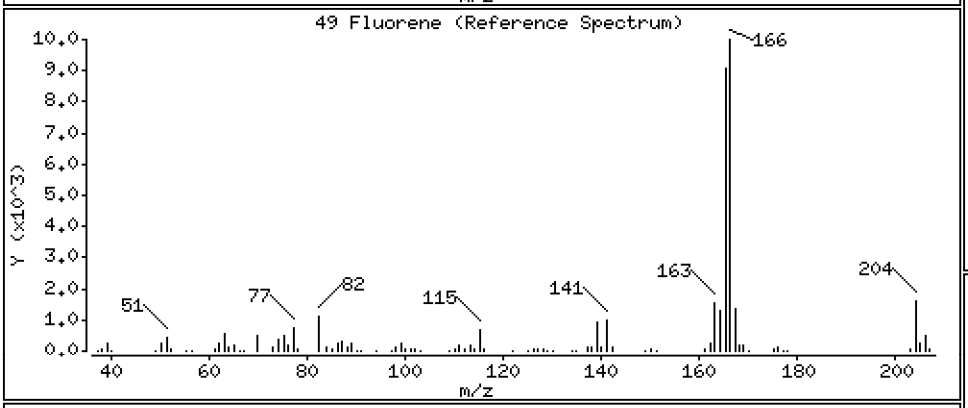
Column diameter: 0.25

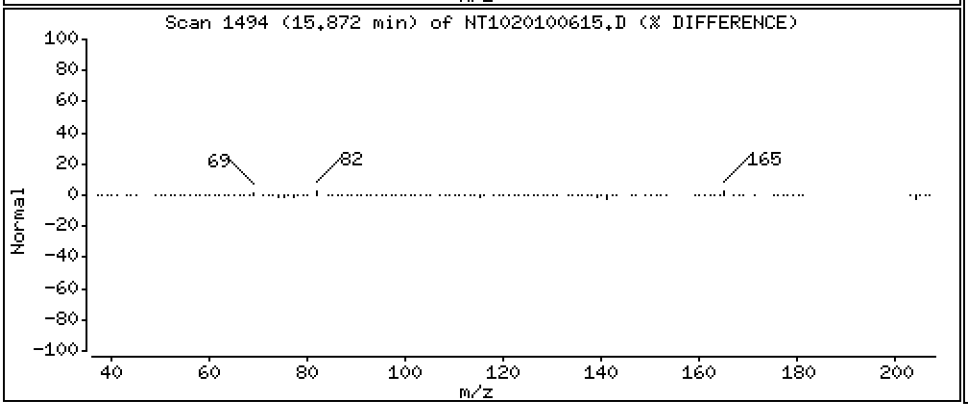
49 Fluorene

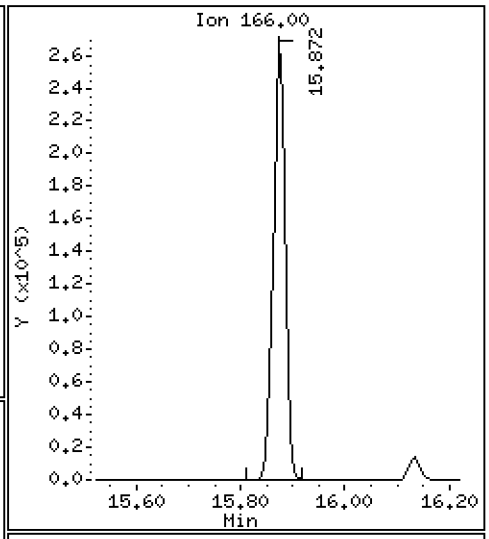
Concentration: 5.294 ug/mL

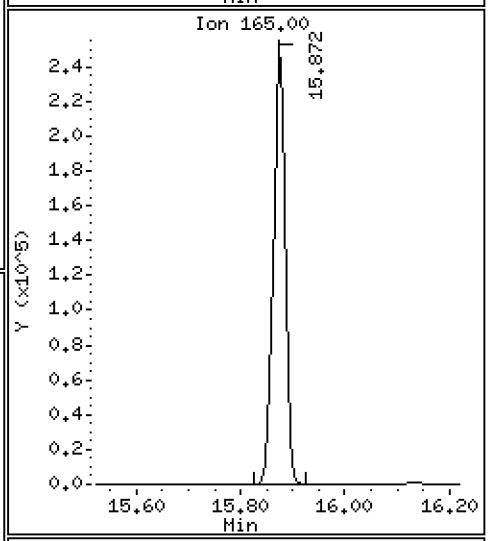


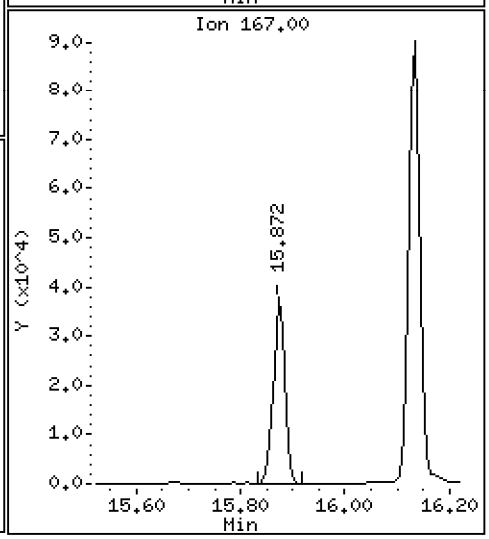












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

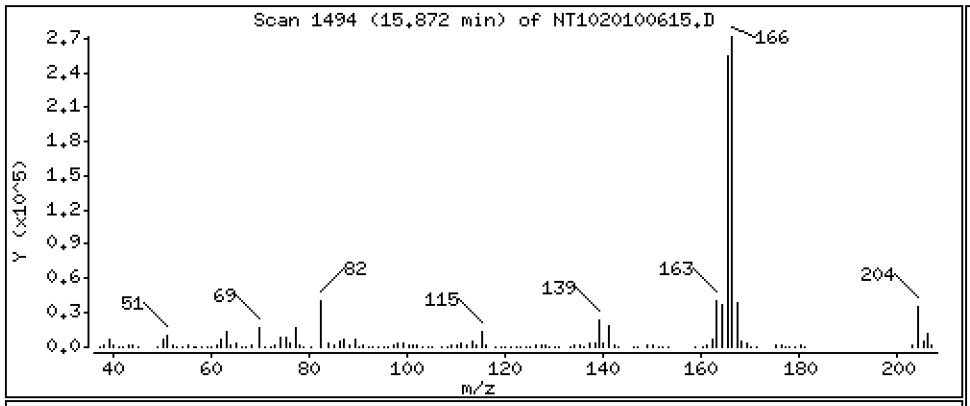
Operator: VTS

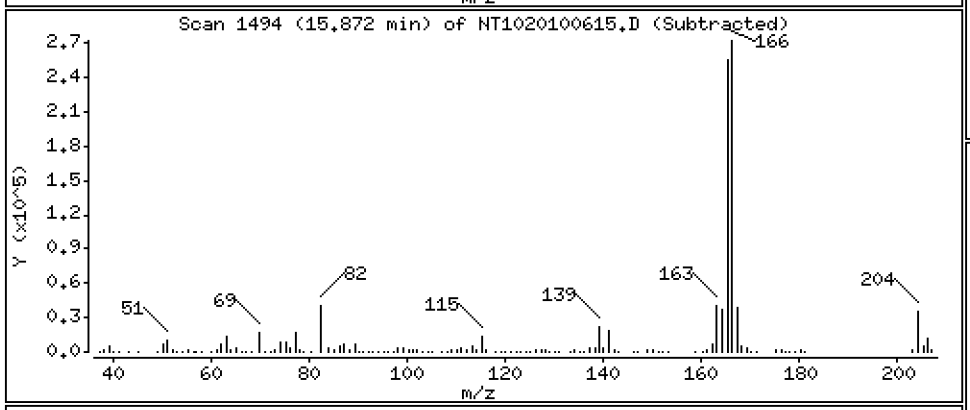
Column phase: ZB-5msi

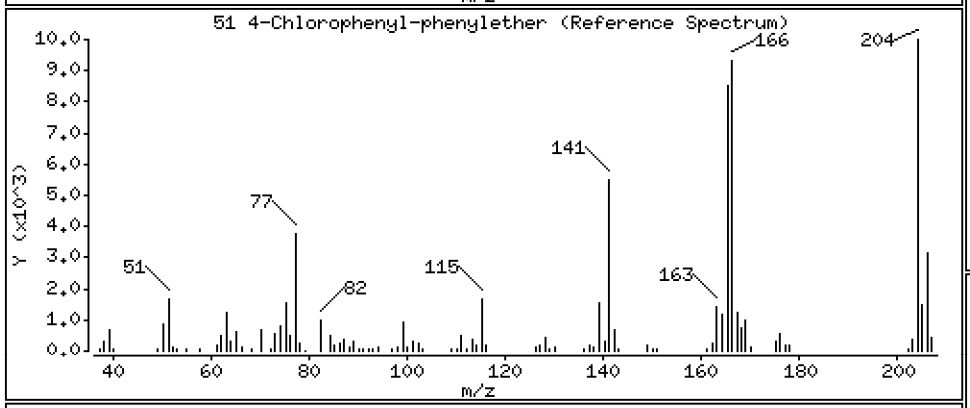
Column diameter: 0.25

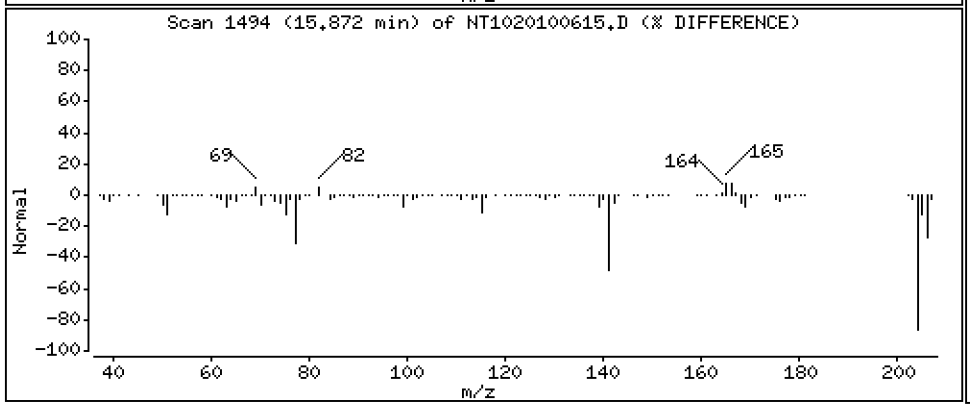
51 4-Chlorophenyl-phenylether

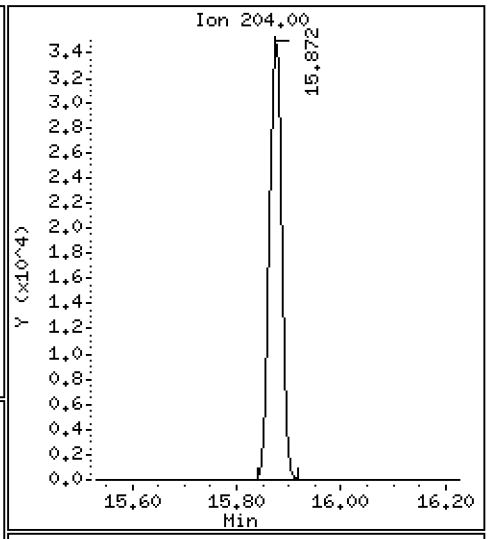
Concentration: 1.428 ug/mL

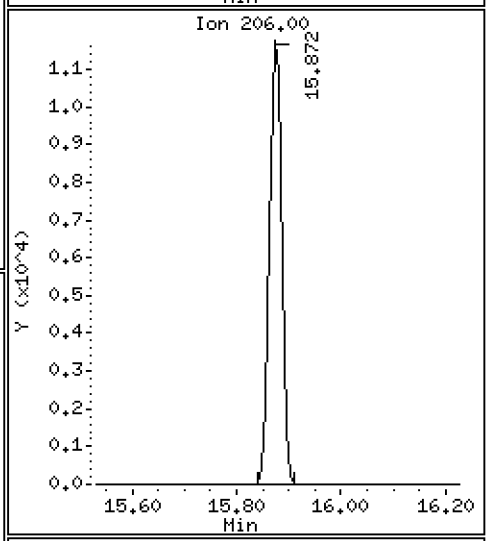


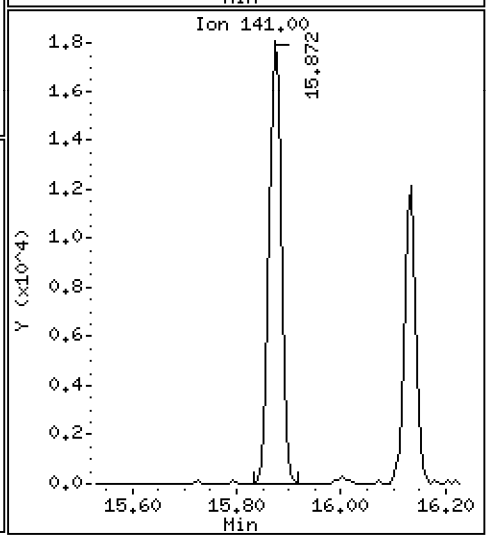












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

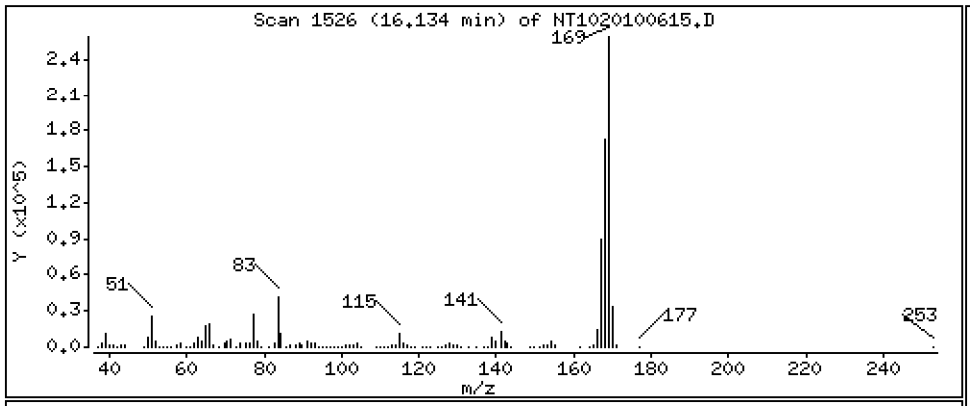
Operator: VTS

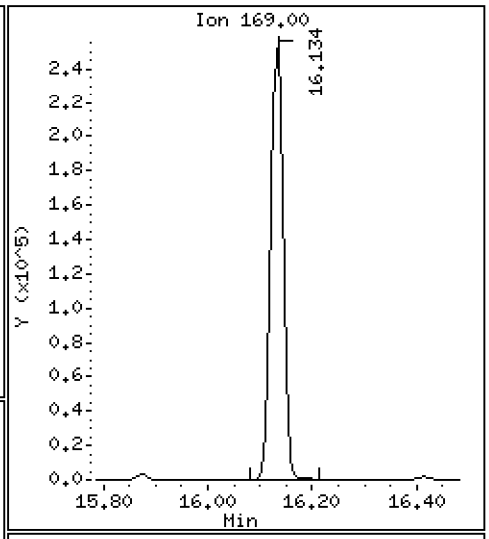
Column phase: ZB-5msi

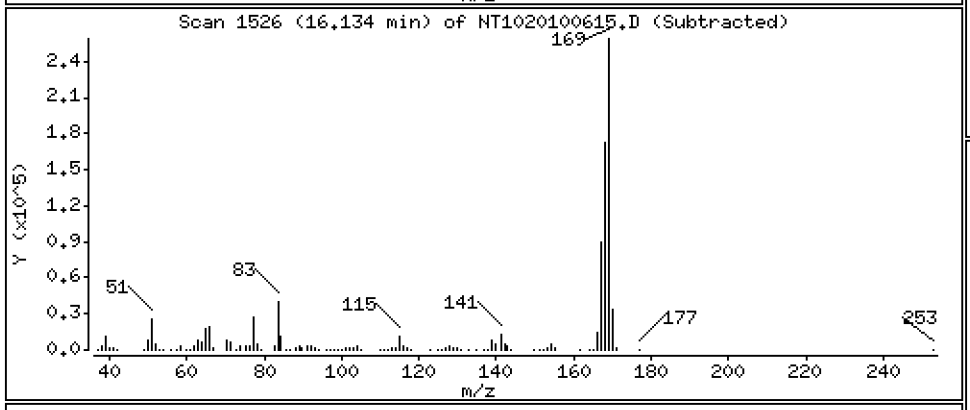
Column diameter: 0.25

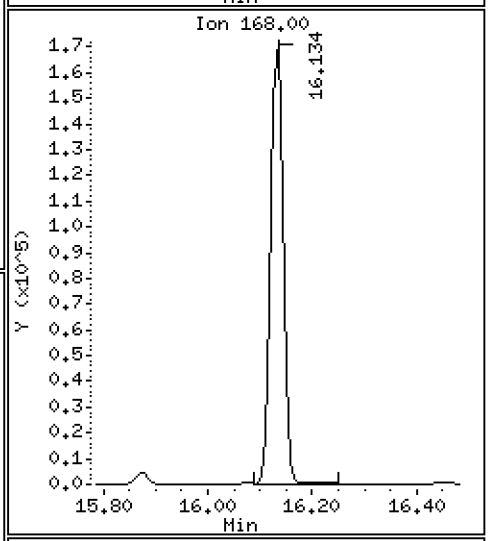
54 N-Nitrosodiphenylamine

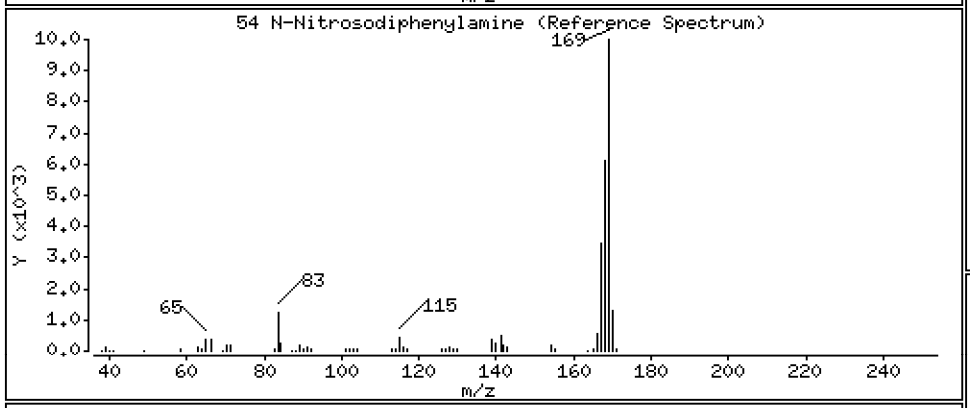
Concentration: 8.967 ug/mL

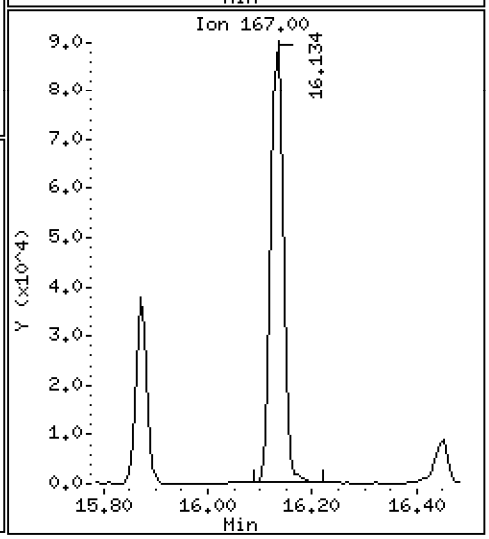


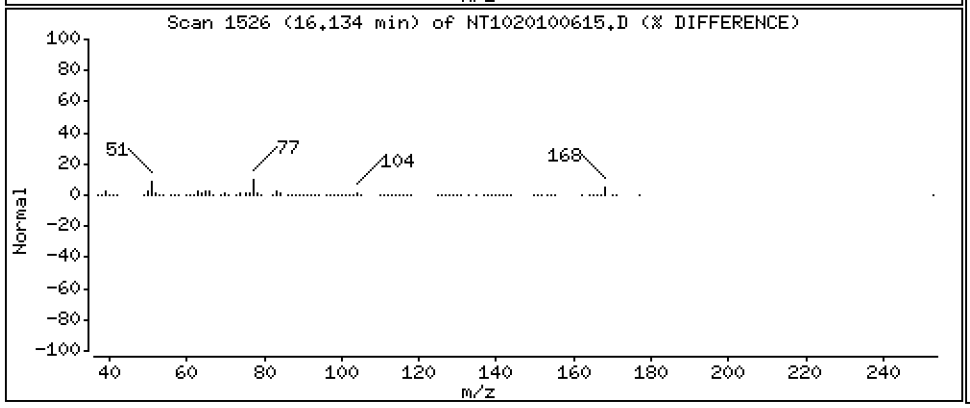












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

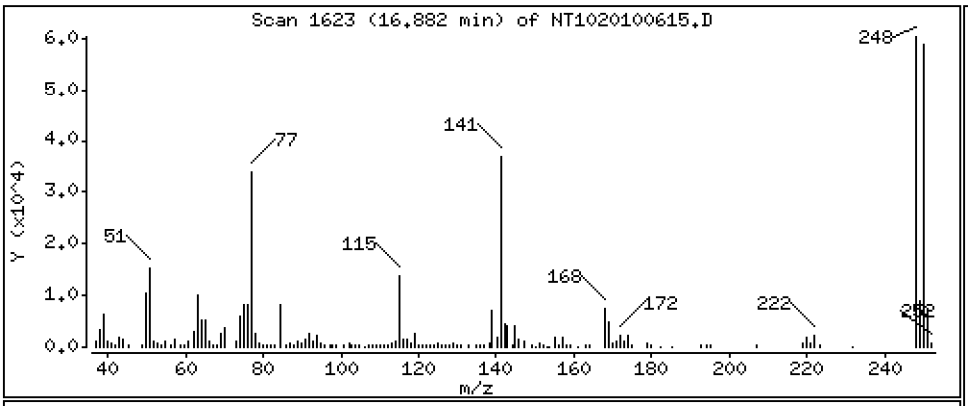
Operator: VTS

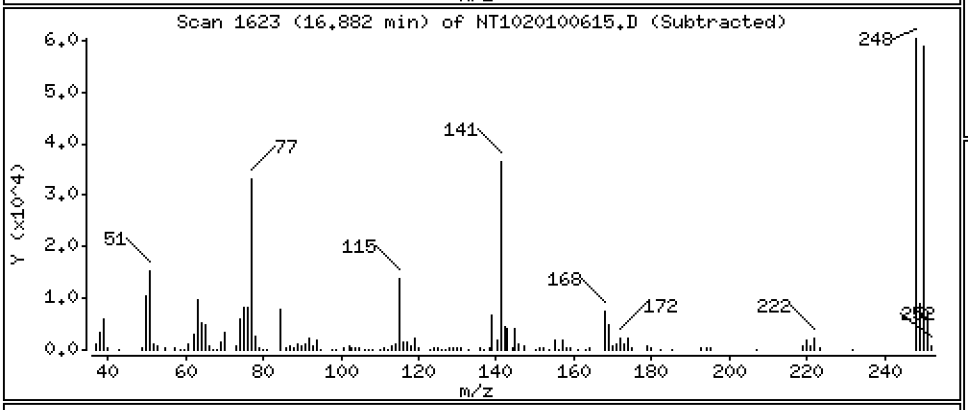
Column phase: ZB-5msi

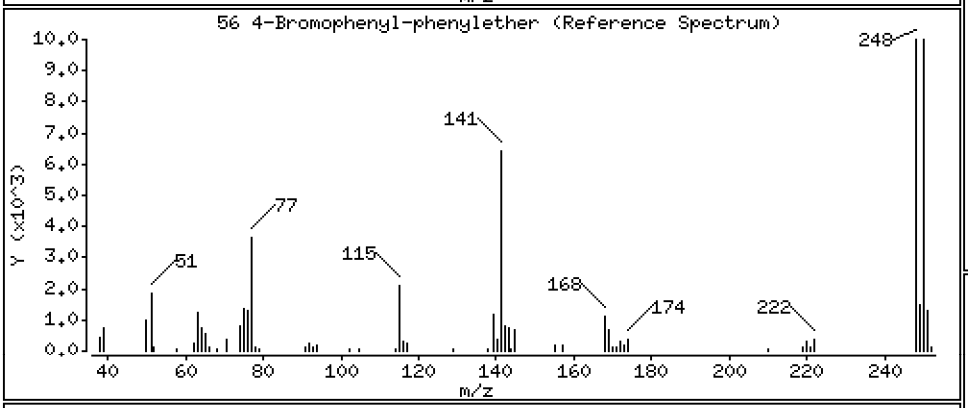
Column diameter: 0.25

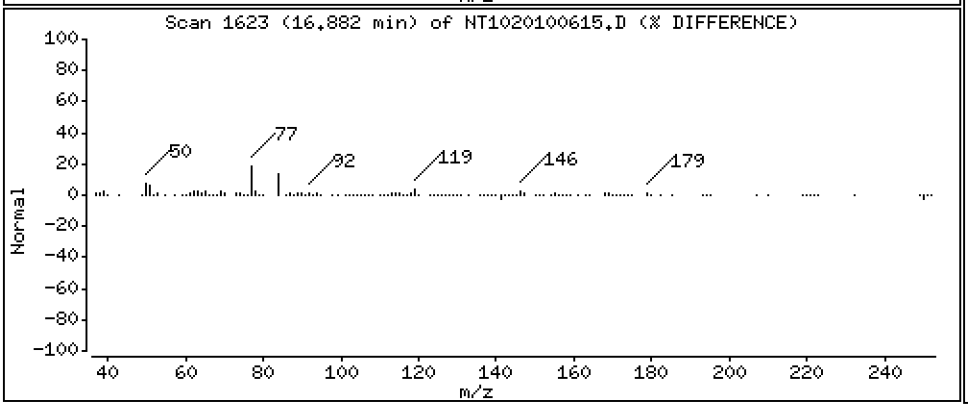
56 4-Bromophenyl-phenylether

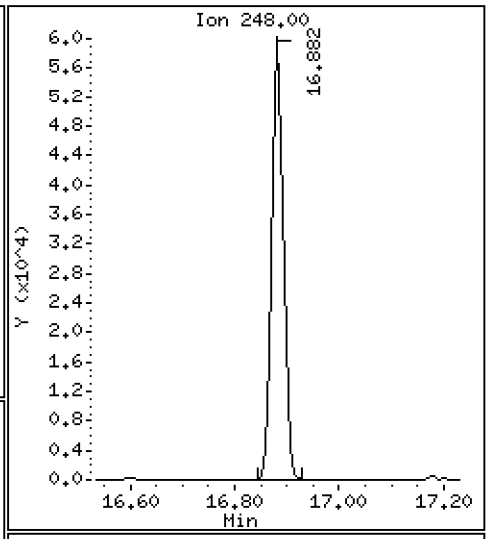
Concentration: 2.951 ug/mL

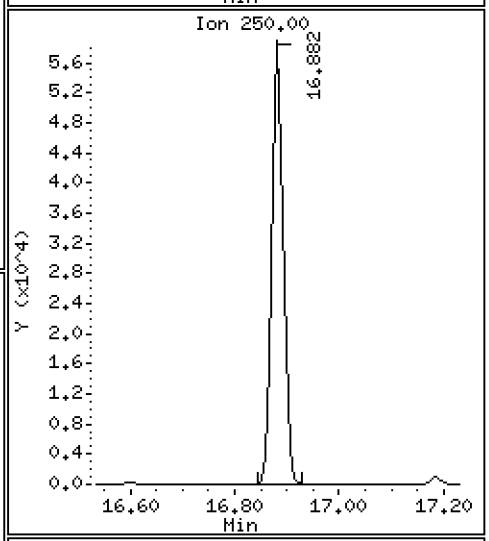


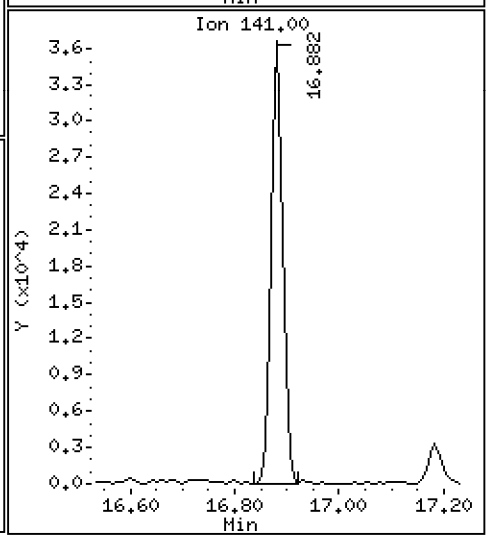












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

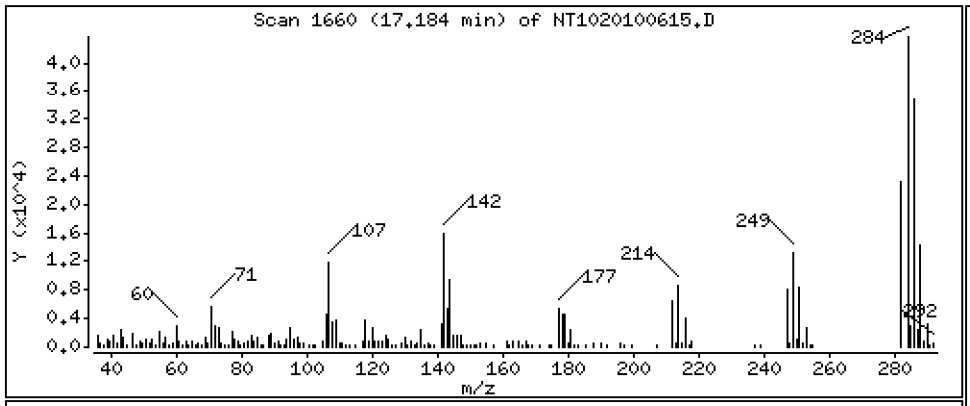
Operator: VTS

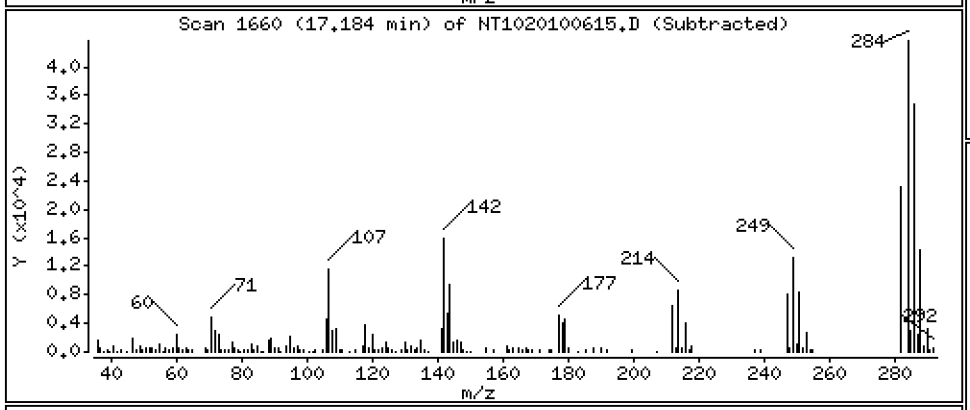
Column phase: ZB-5msi

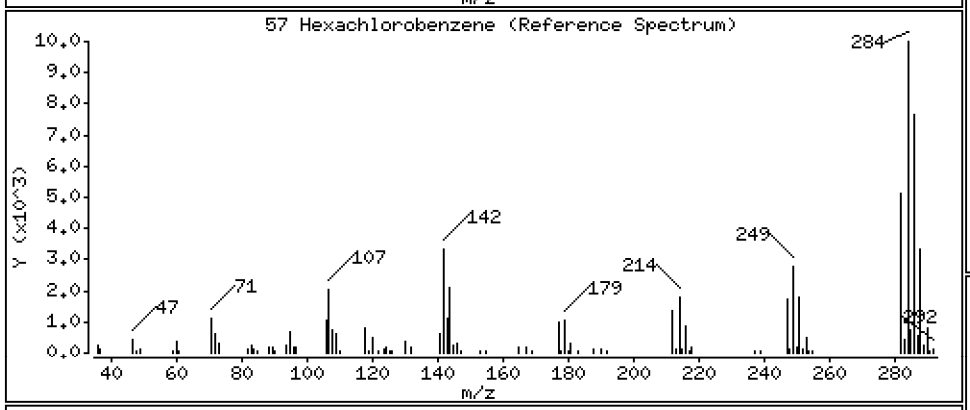
Column diameter: 0.25

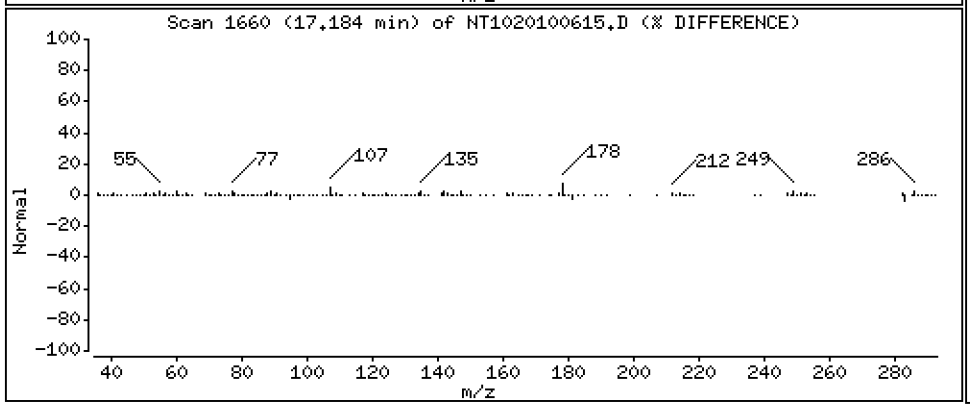
57 Hexachlorobenzene

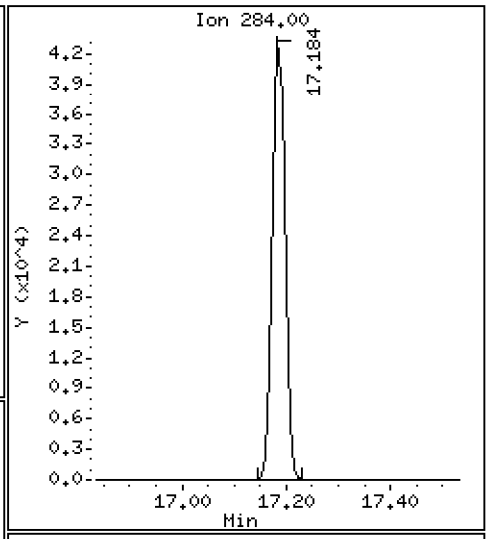
Concentration: 2.330 ug/mL

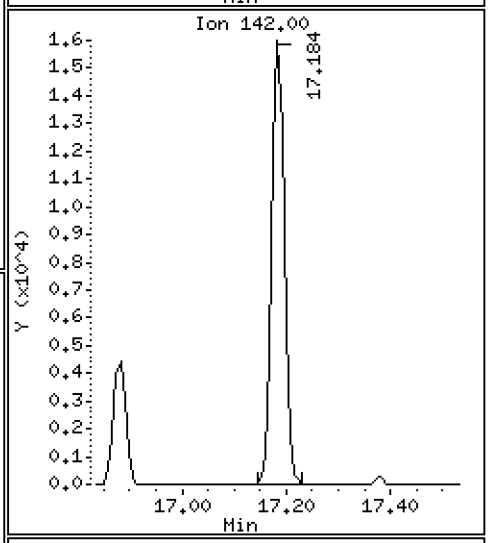


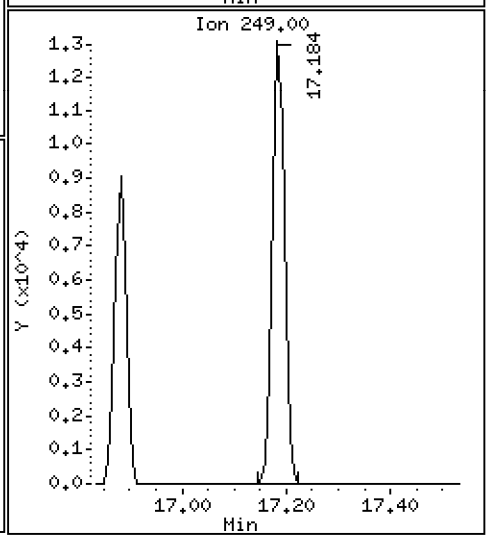












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

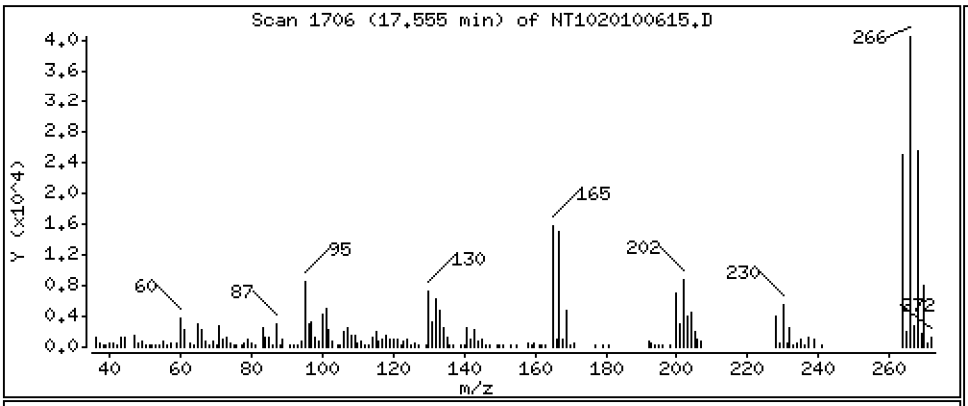
Operator: VTS

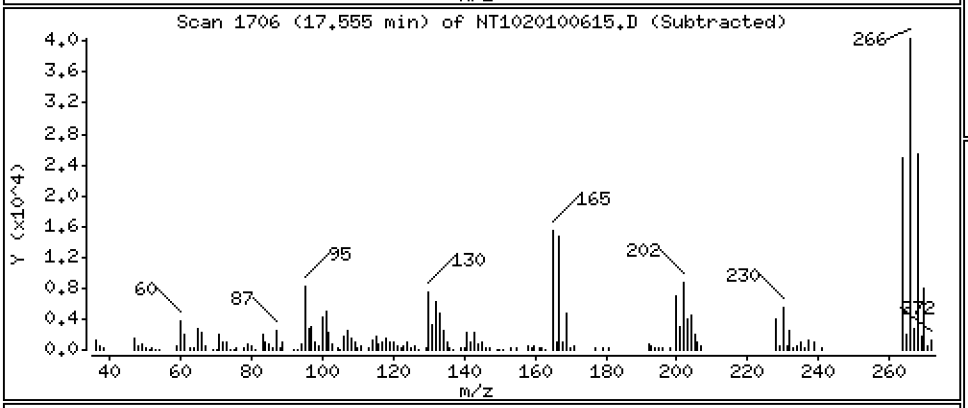
Column phase: ZB-5msi

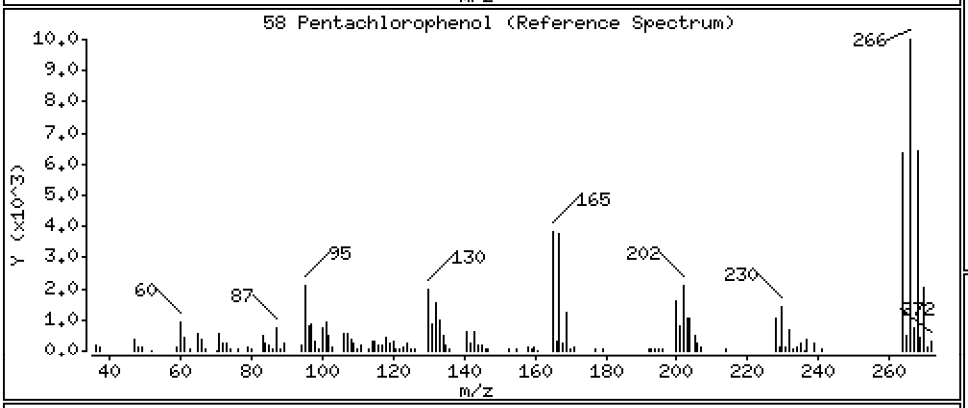
Column diameter: 0.25

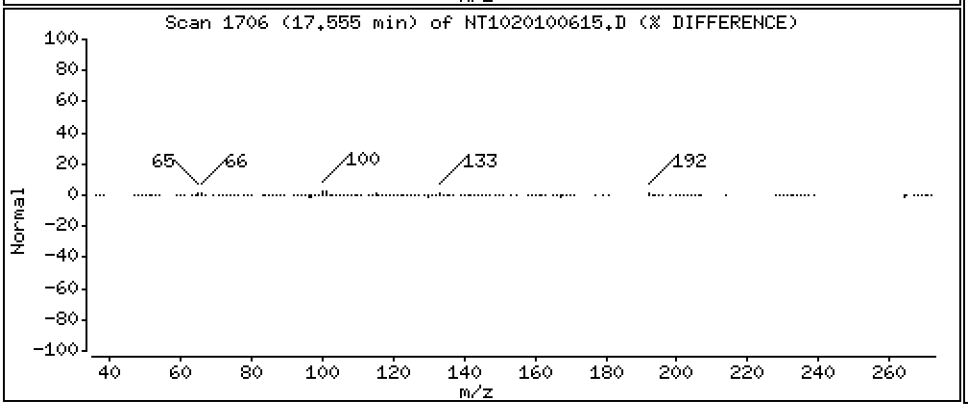
58 Pentachlorophenol

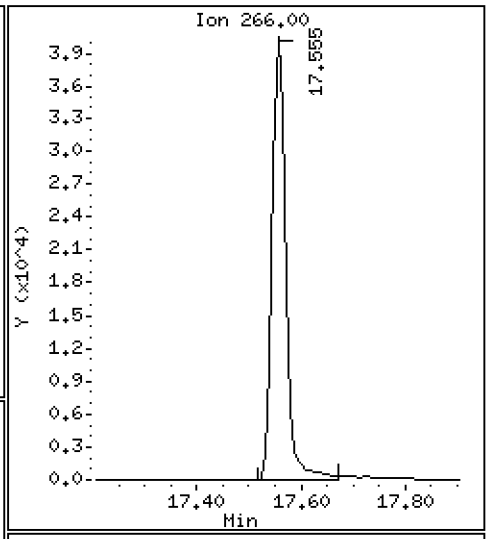
Concentration: 5.676 ug/mL

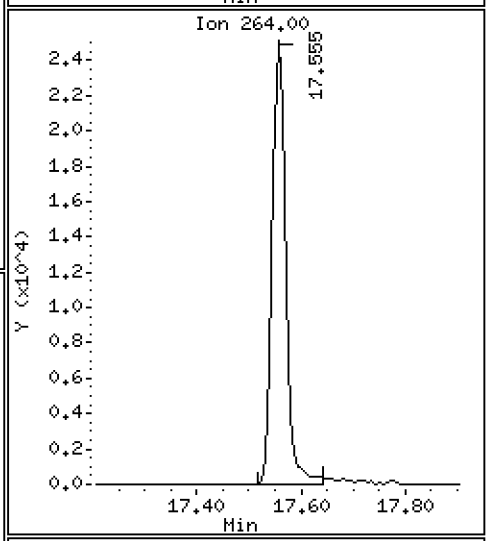


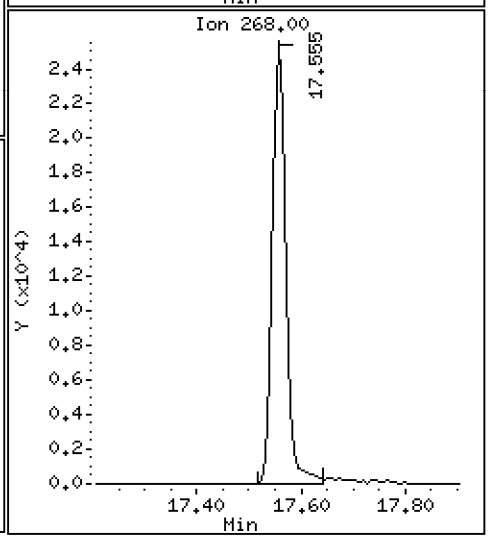












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

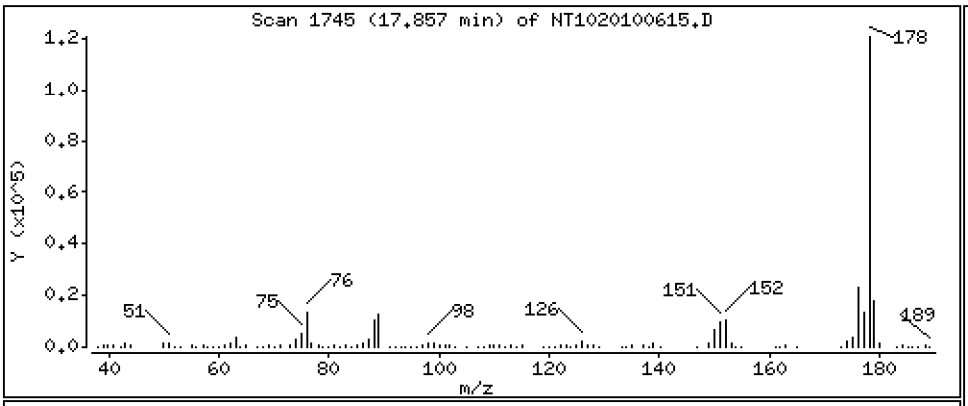
Operator: VTS

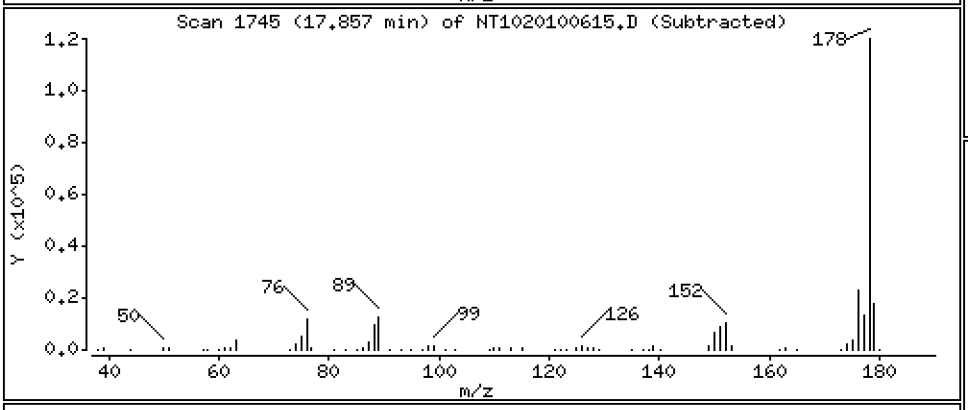
Column phase: ZB-5msi

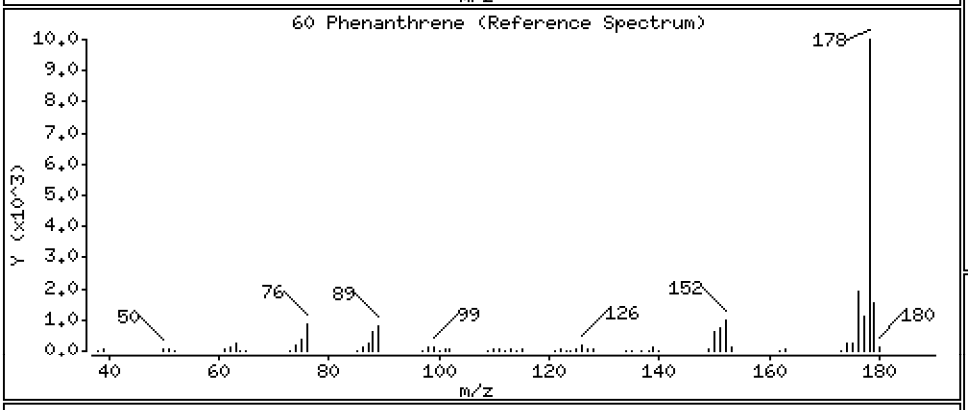
Column diameter: 0.25

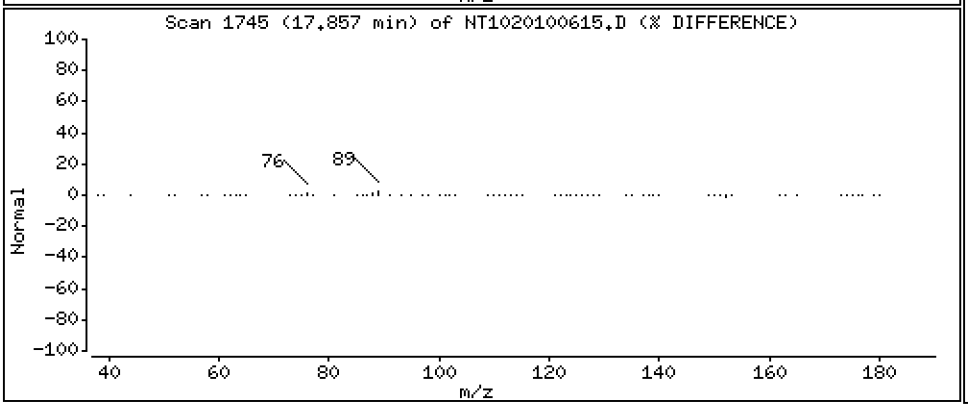
60 Phenanthrene

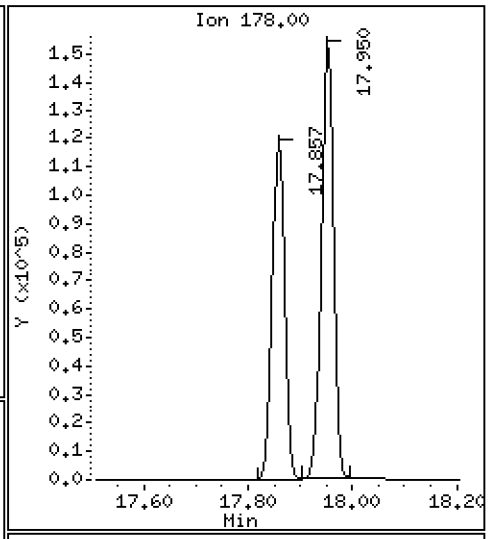
Concentration: 2.060 ug/mL

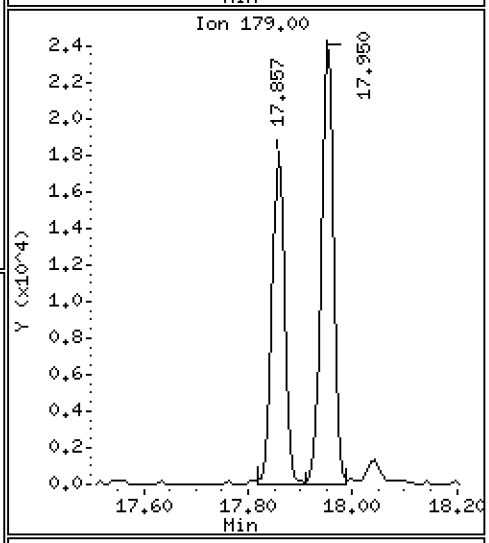


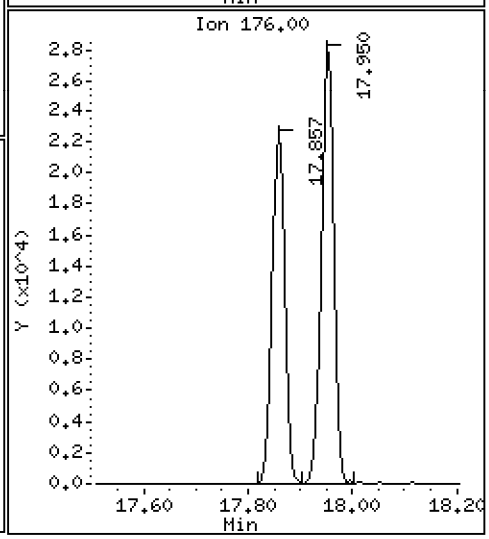












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

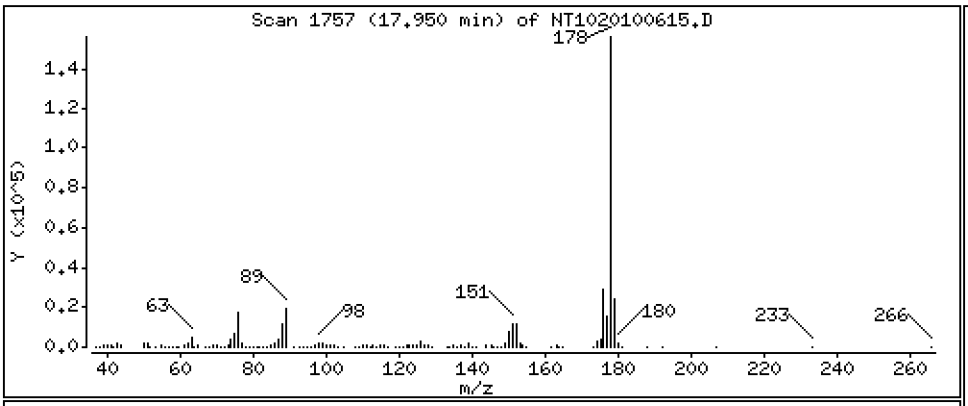
Operator: VTS

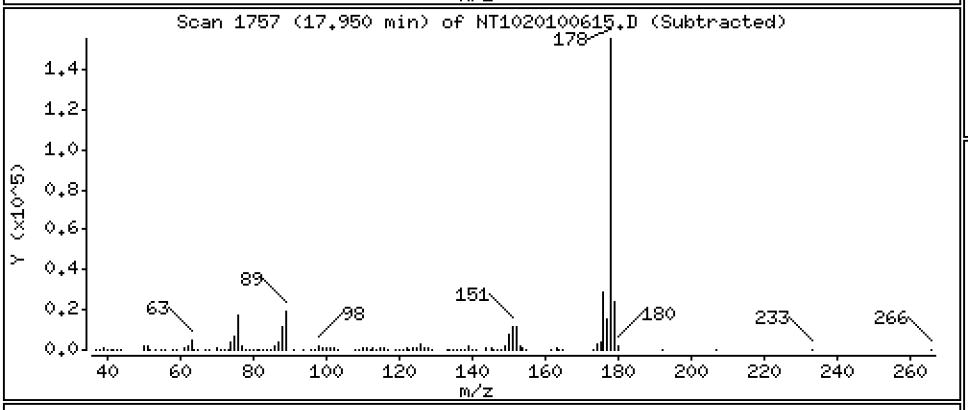
Column phase: ZB-5msi

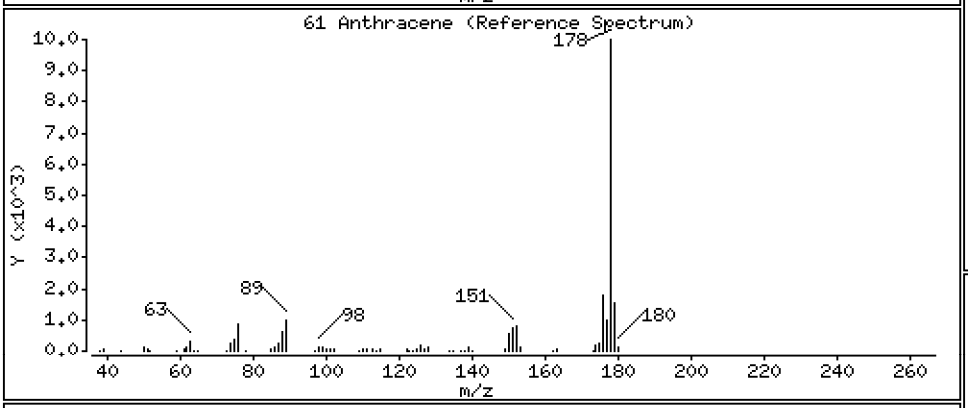
Column diameter: 0.25

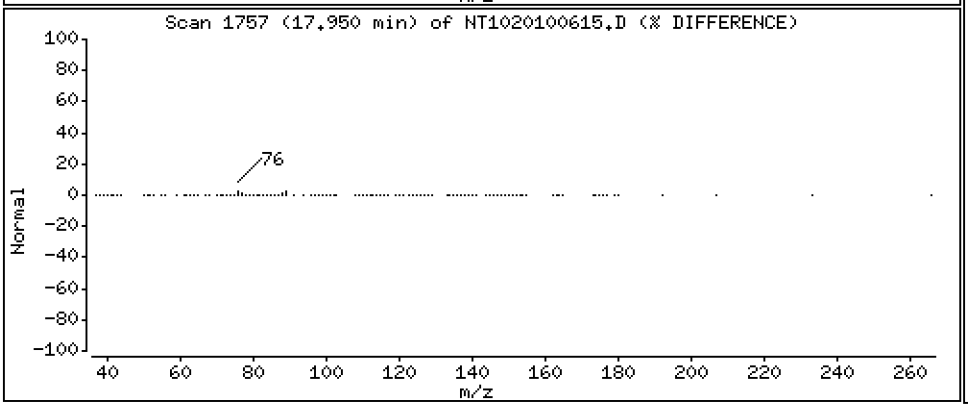
61 Anthracene

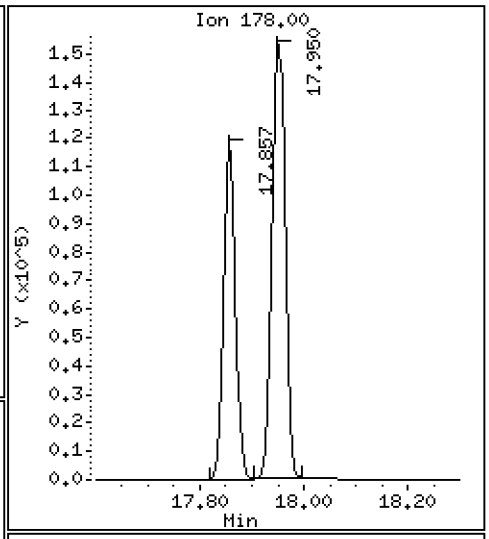
Concentration: 2.617 ug/mL

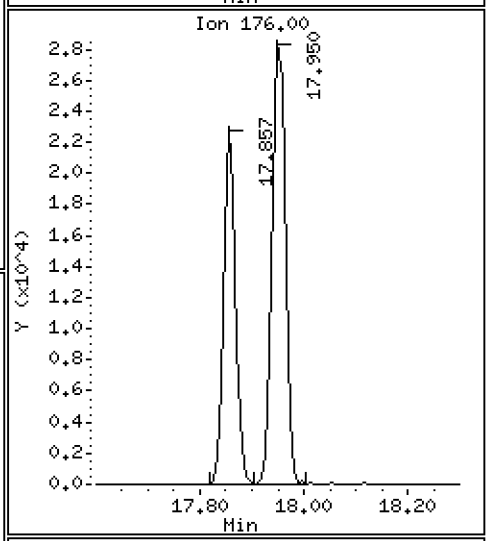


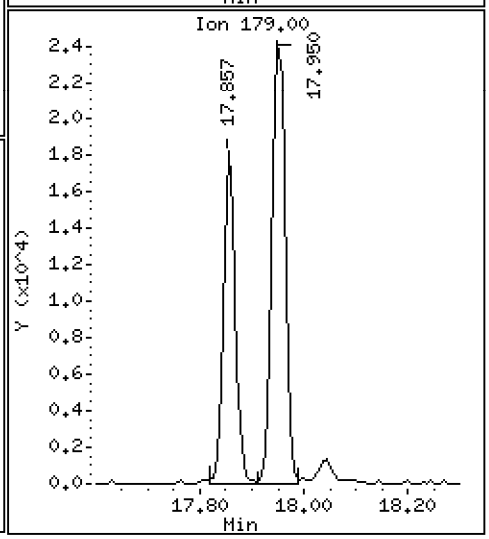












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

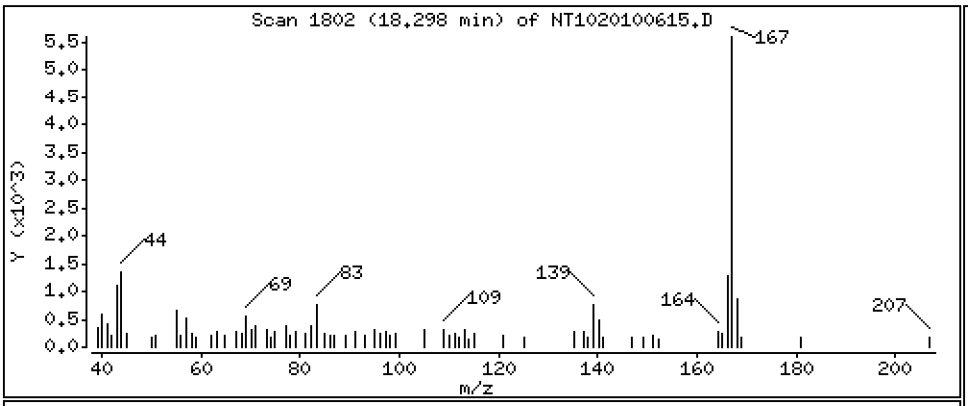
Operator: VTS

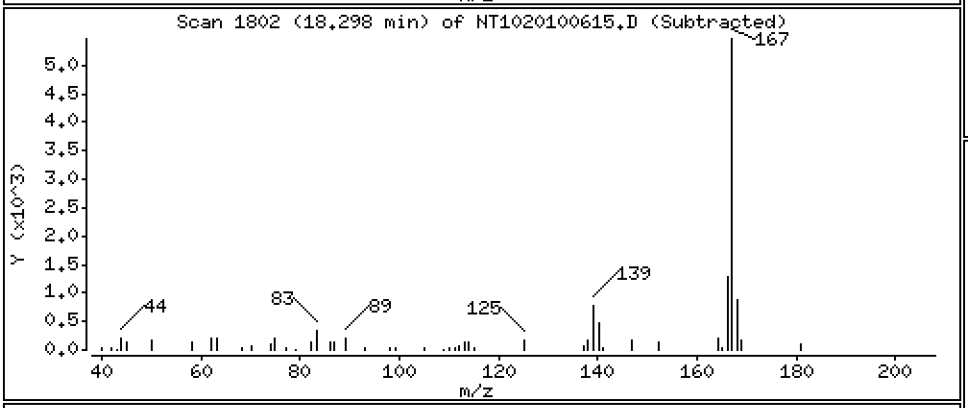
Column phase: ZB-5msi

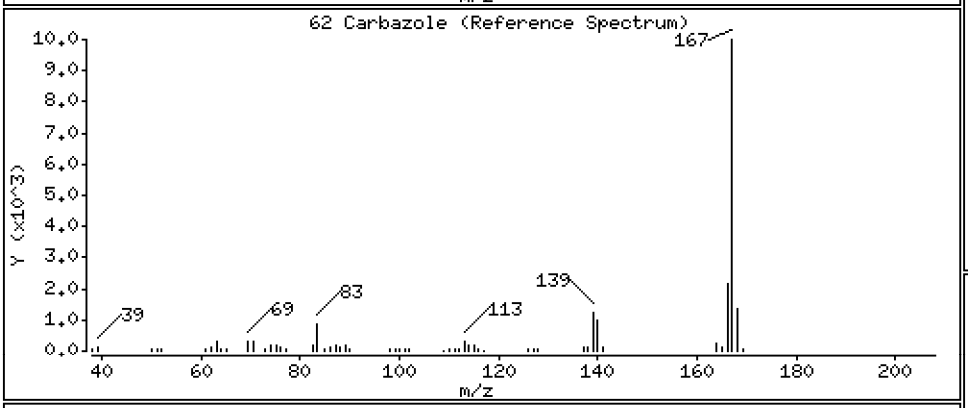
Column diameter: 0.25

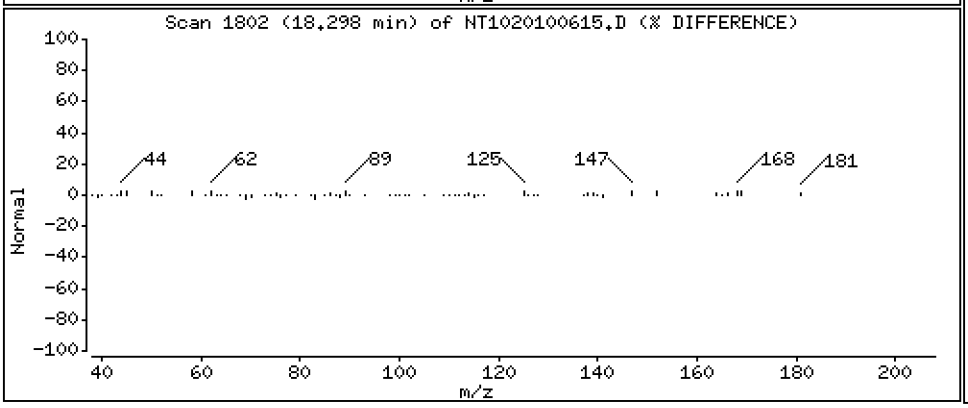
62 Carbazole

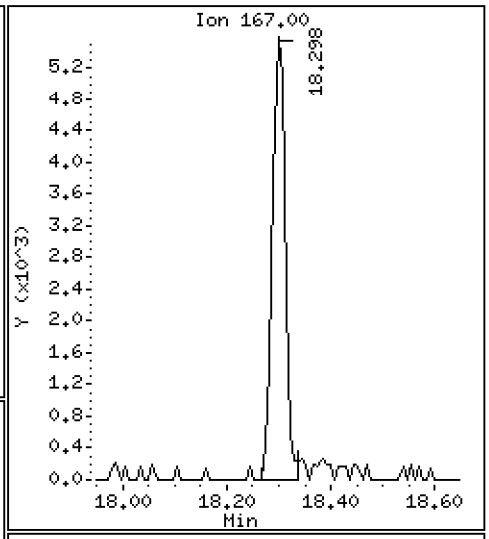
Concentration: 0.09279 ug/mL

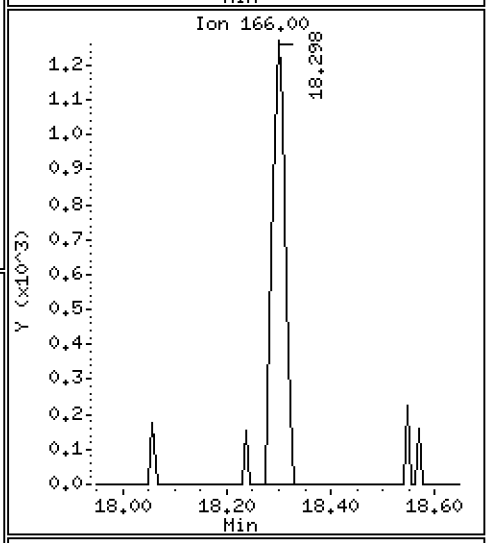


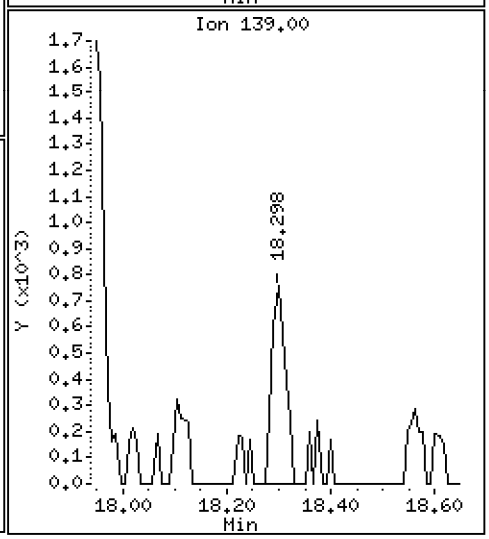












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

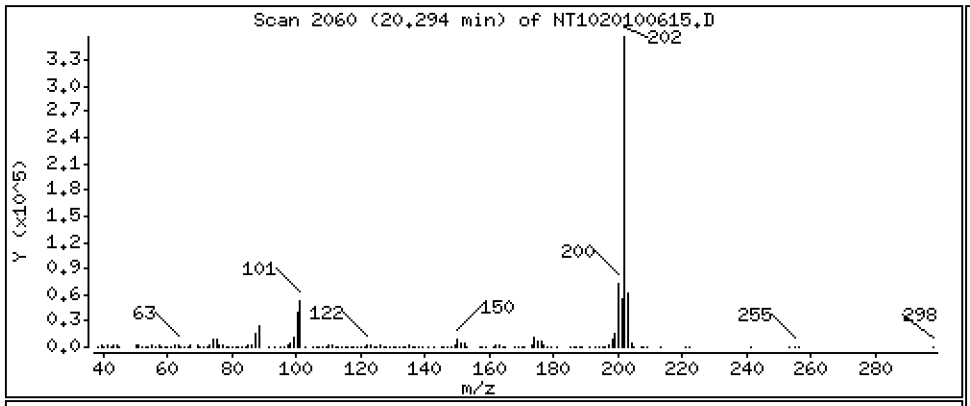
Operator: VTS

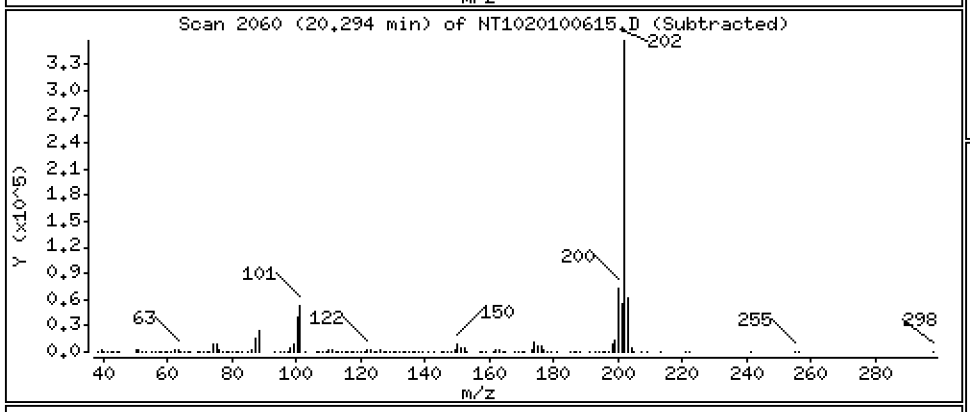
Column phase: ZB-5msi

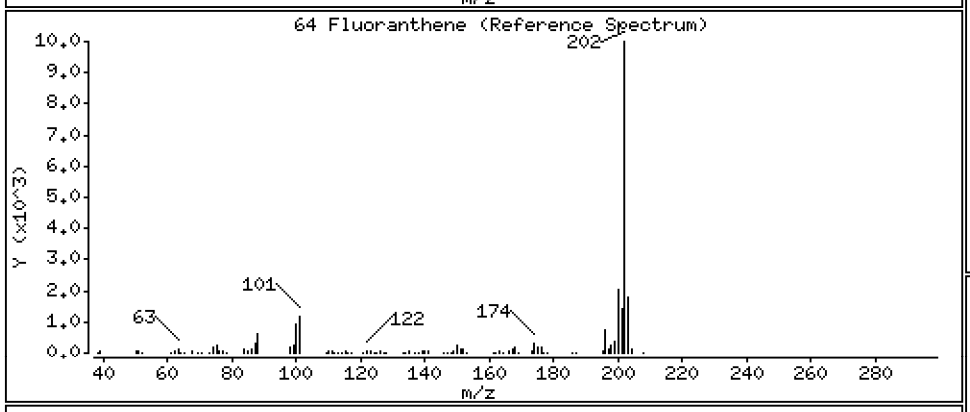
Column diameter: 0.25

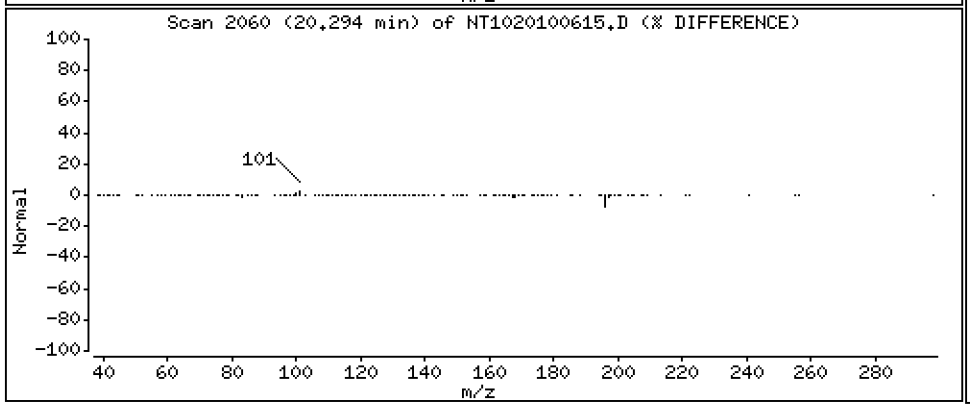
64 Fluoranthene

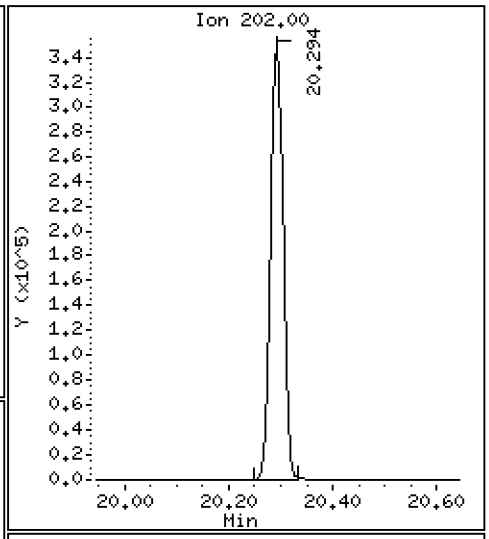
Concentration: 3.785 ug/mL

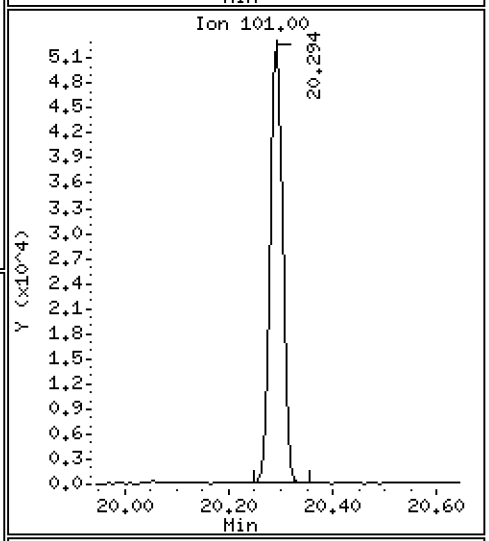


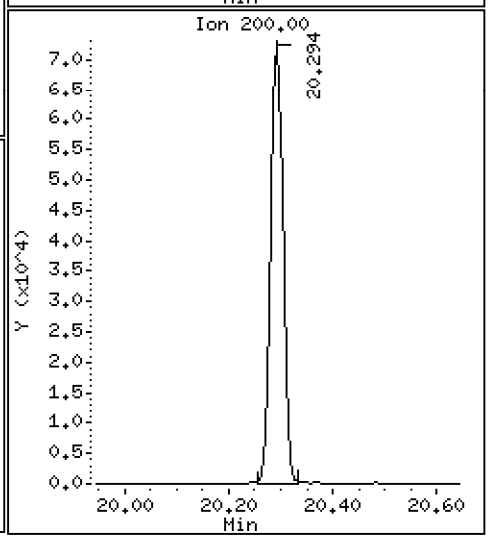












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

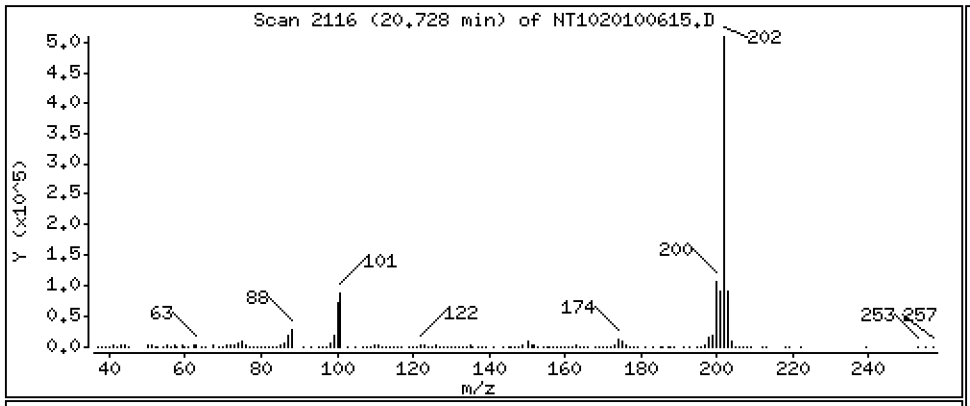
Operator: VTS

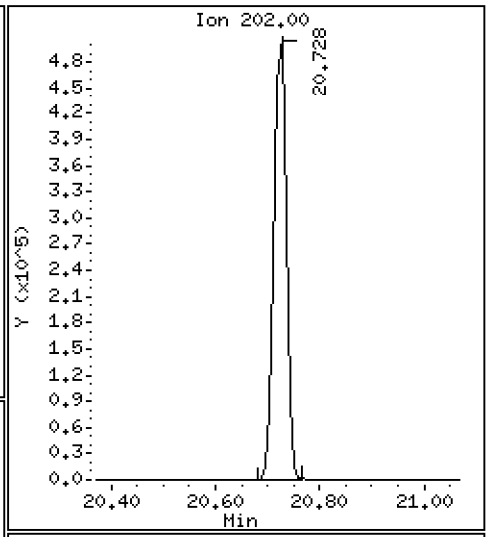
Column phase: ZB-5msi

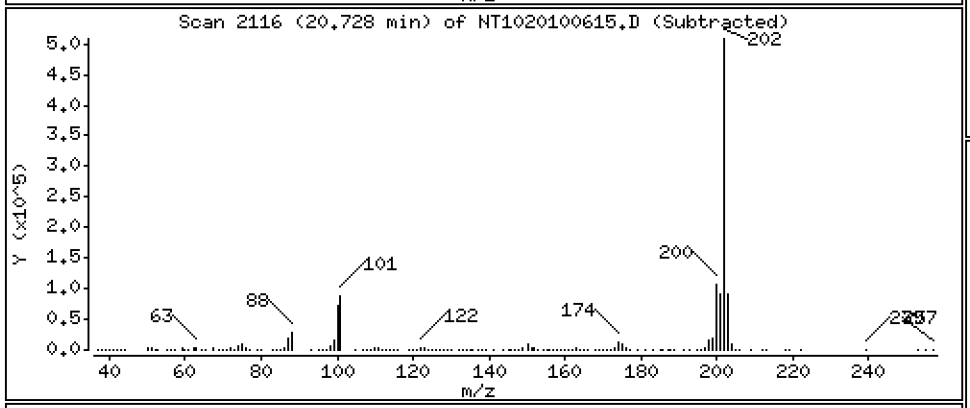
Column diameter: 0.25

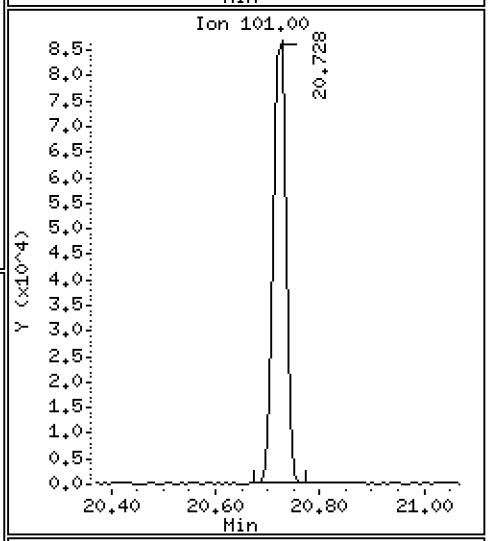
65 Pyrene

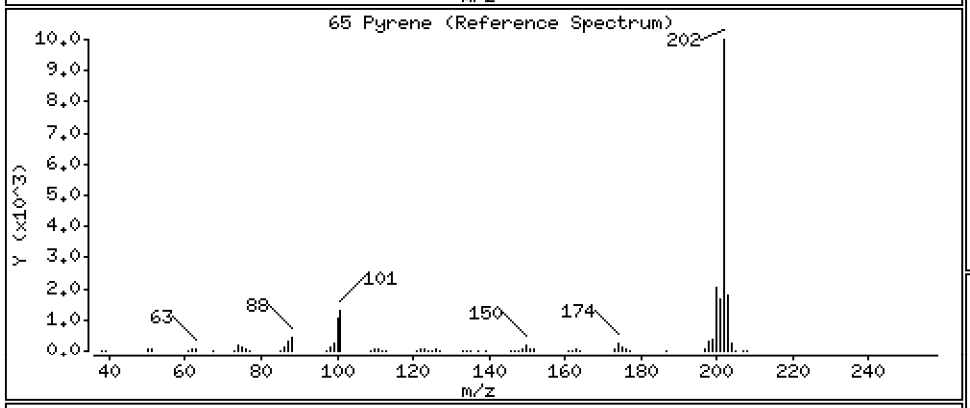
Concentration: 5.342 ug/mL

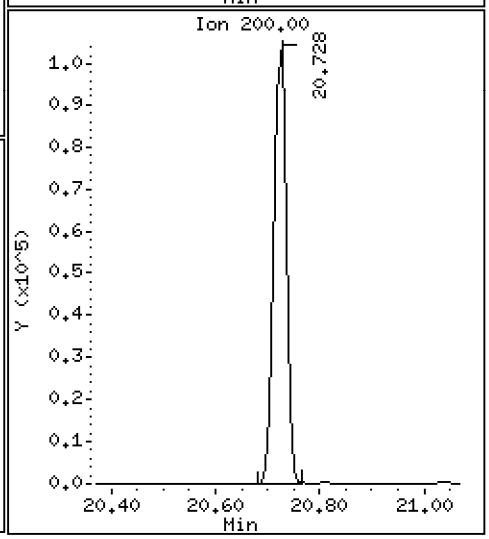


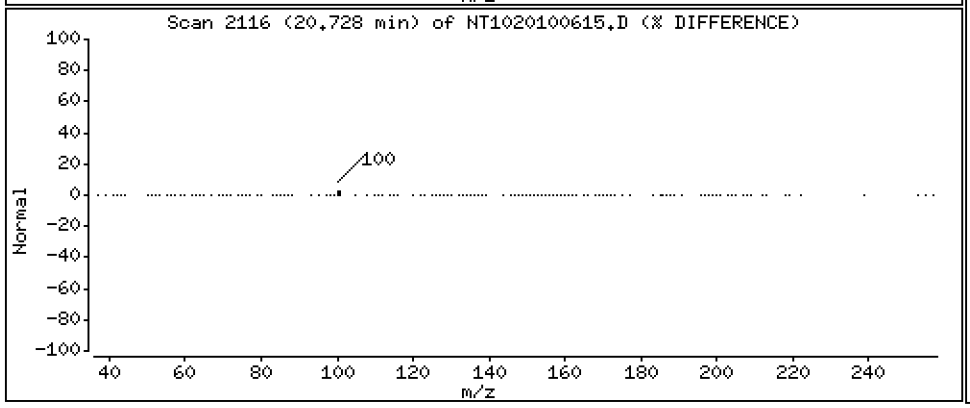












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

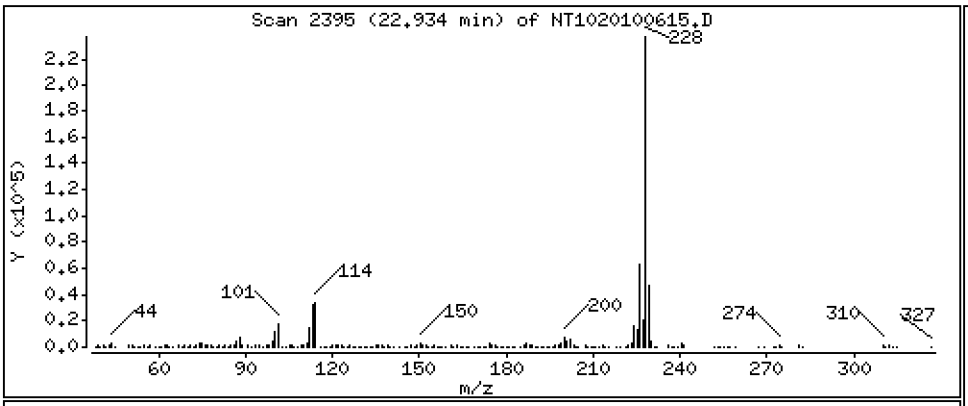
Operator: VTS

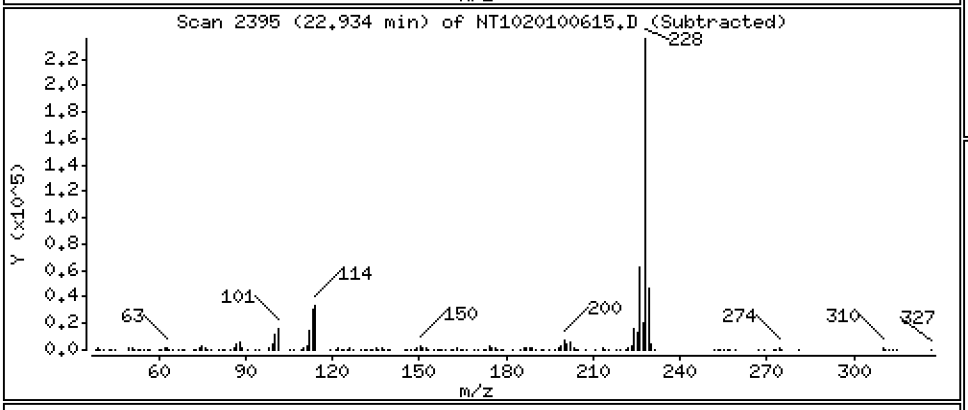
Column phase: ZB-5msi

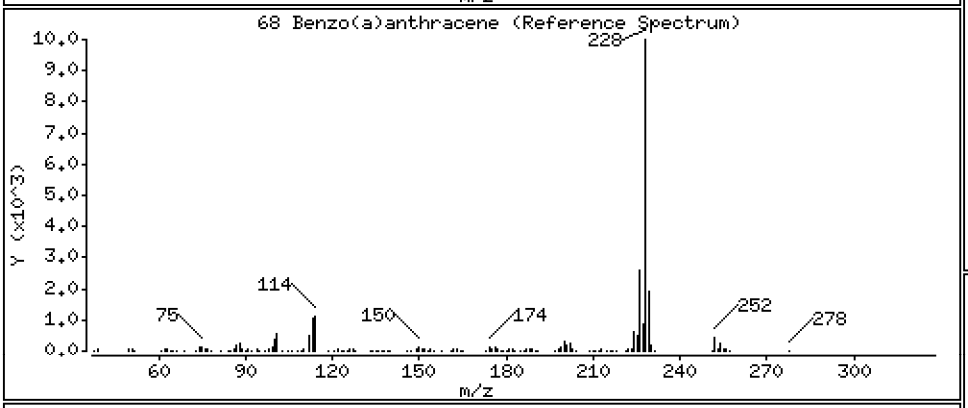
Column diameter: 0.25

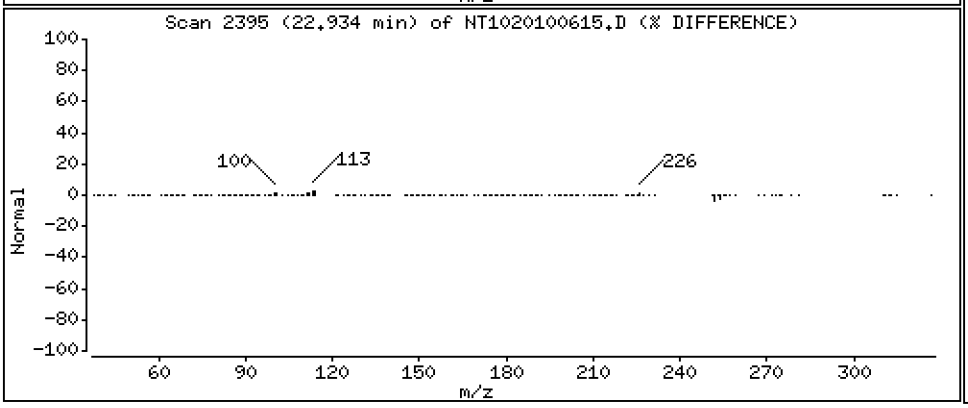
68 Benzo(a)anthracene

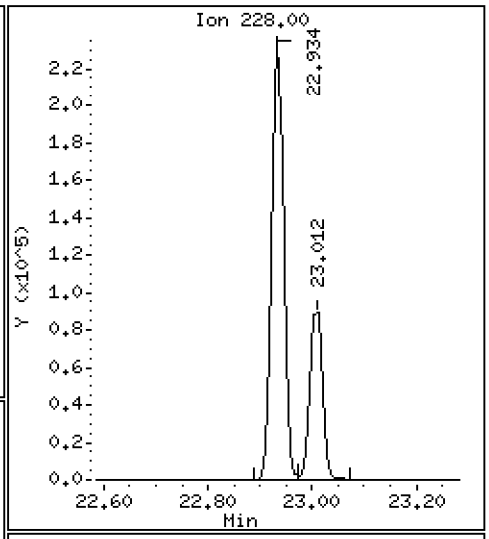
Concentration: 3.351 ug/mL

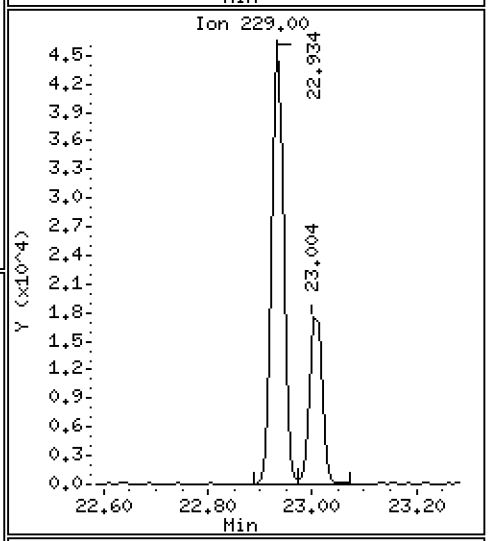


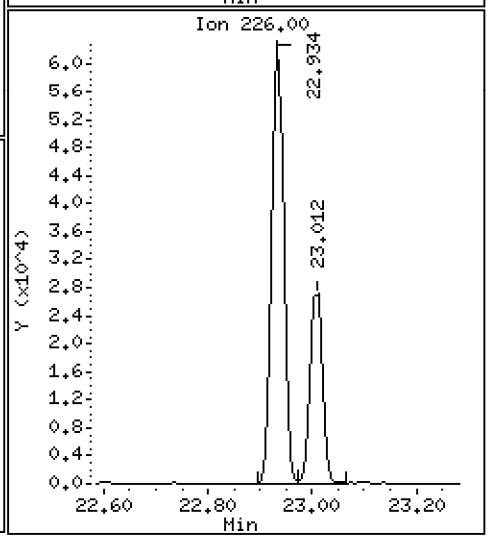












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

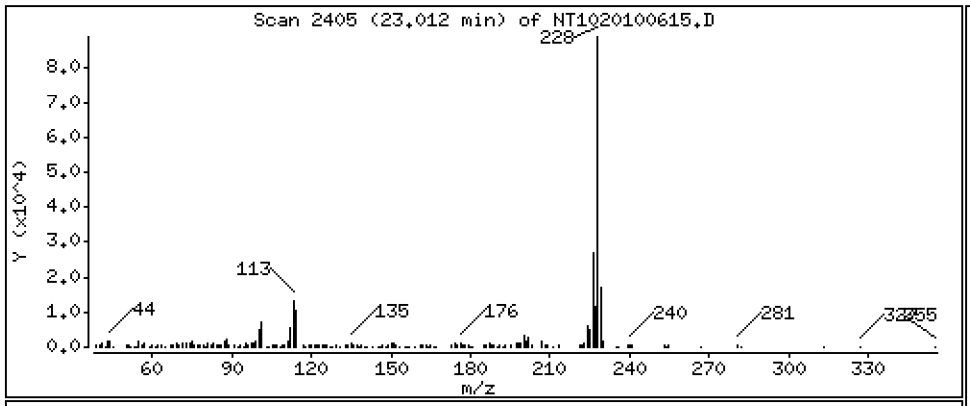
Operator: VTS

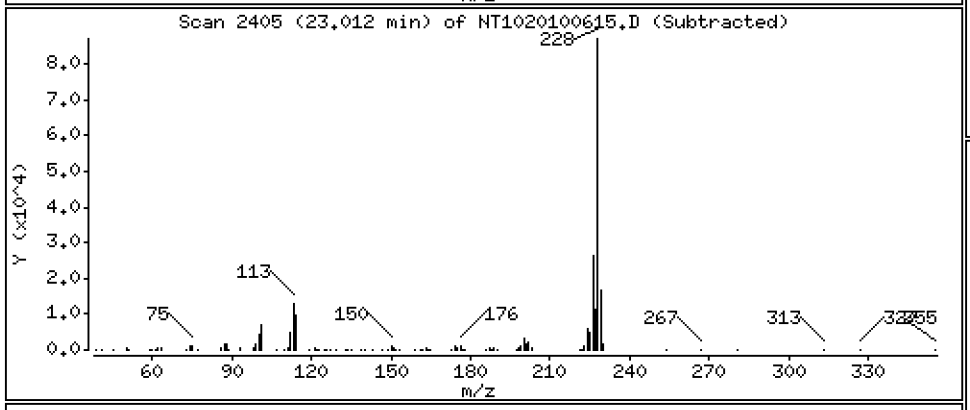
Column phase: ZB-5msi

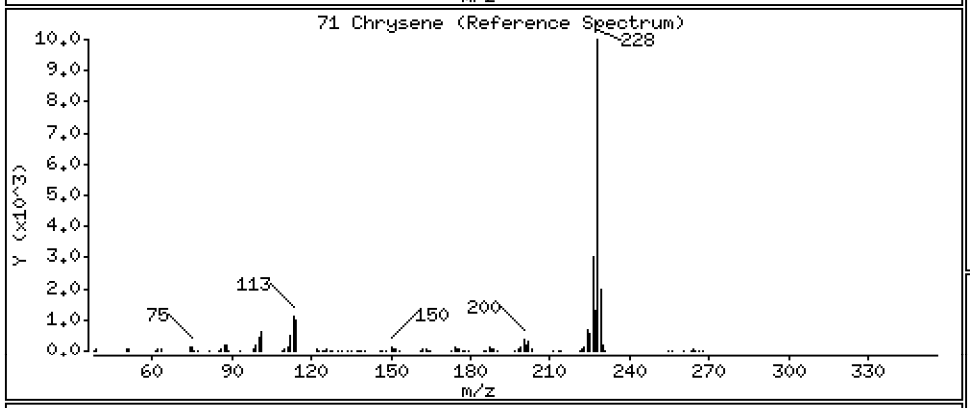
Column diameter: 0.25

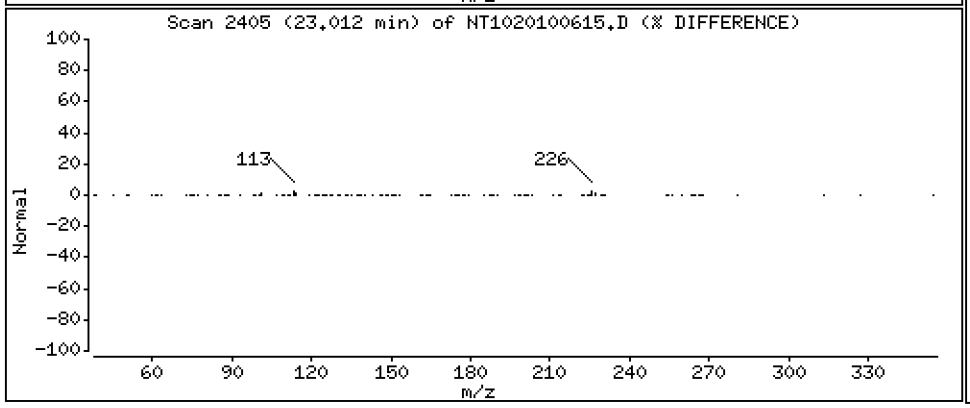
71 Chrysene

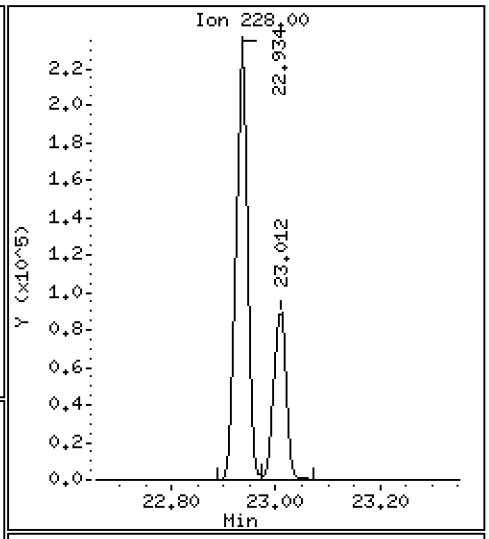
Concentration: 1.693 ug/mL

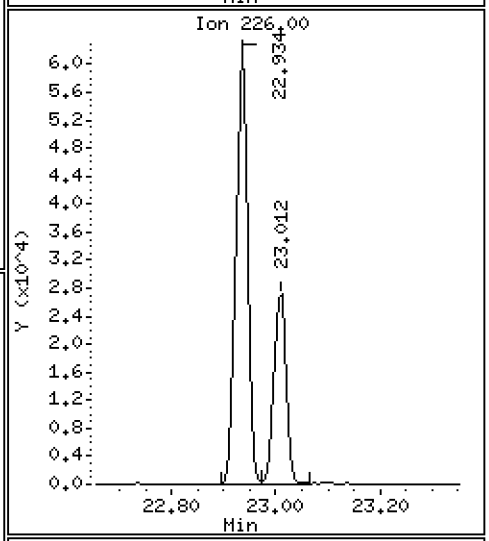


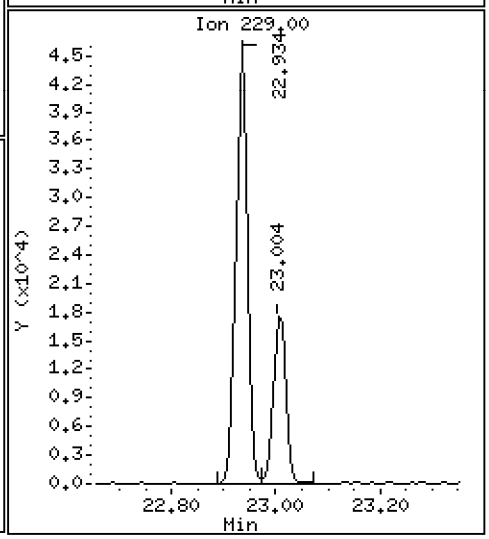












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

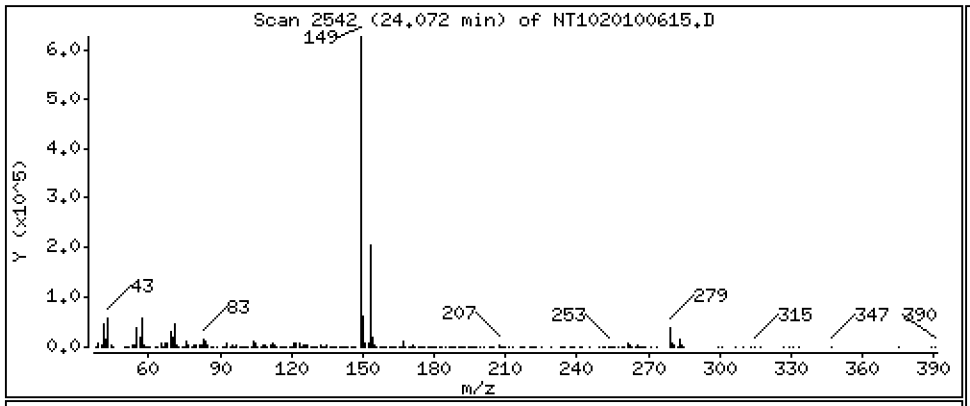
Operator: VTS

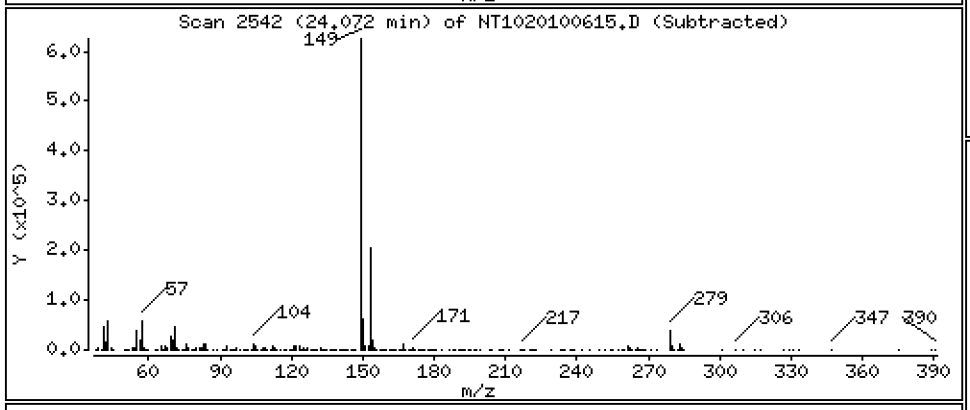
Column phase: ZB-5msi

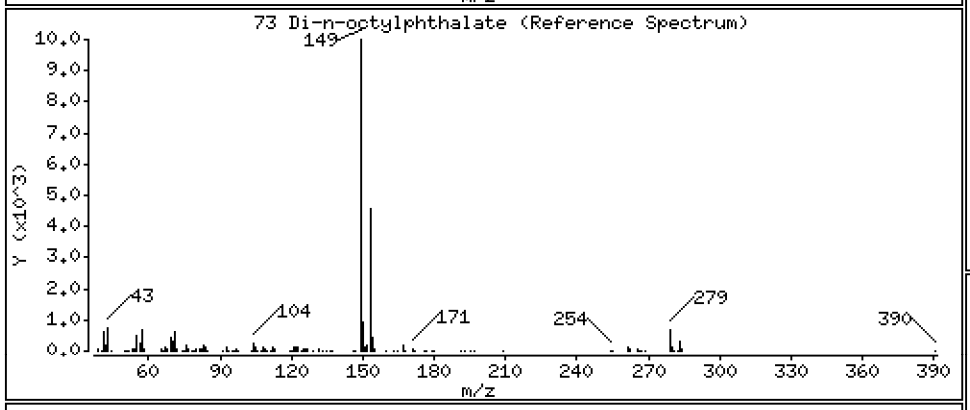
Column diameter: 0.25

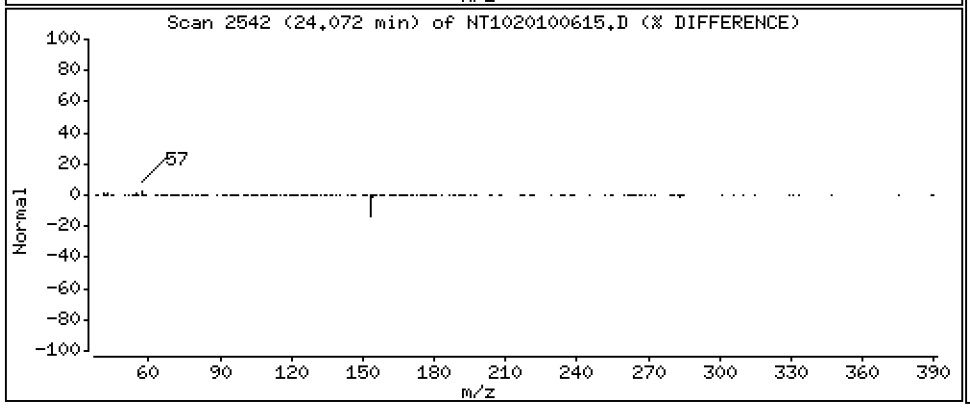
73 Di-n-octylphthalate

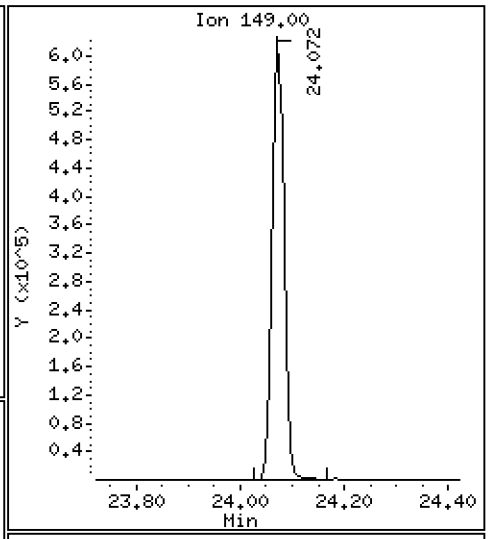
Concentration: 7.455 ug/mL

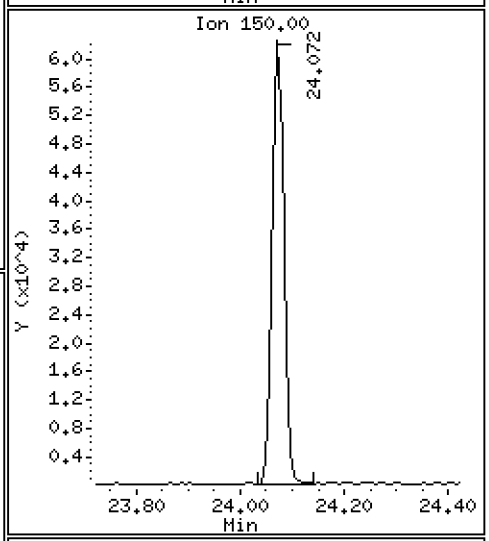


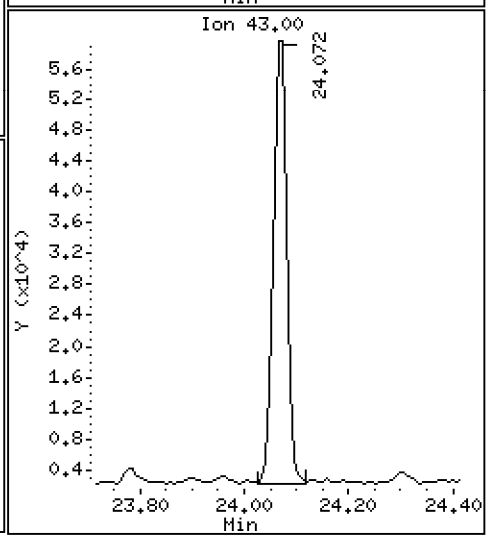












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

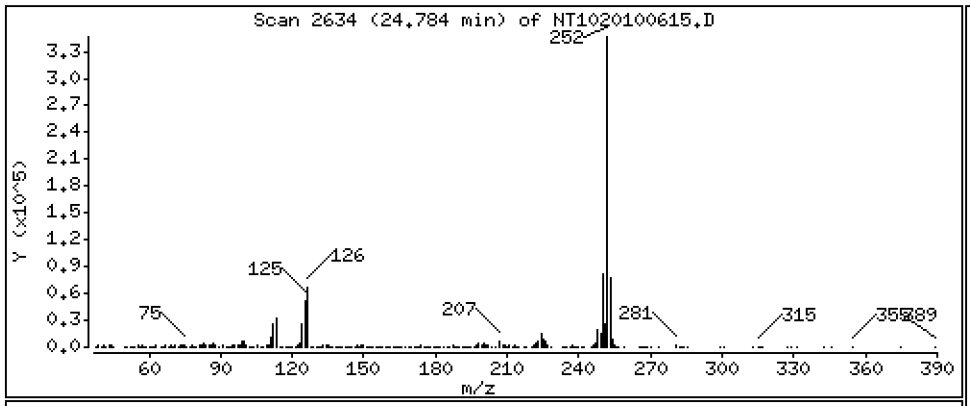
Client ID: Instrument: nt10.i

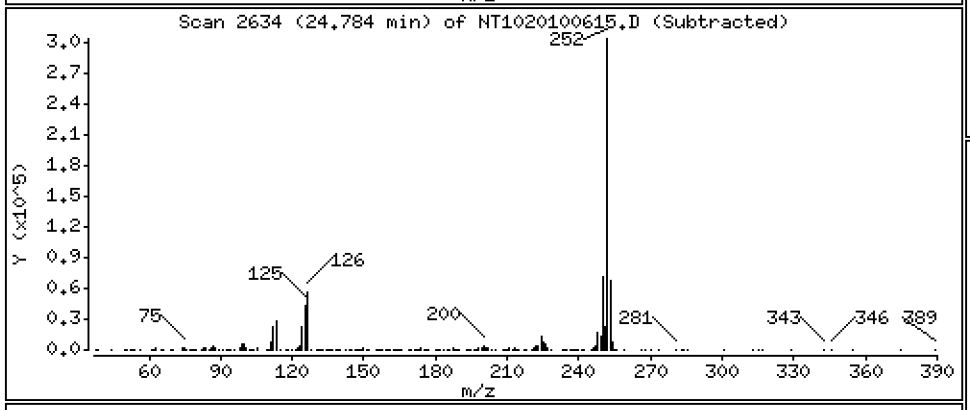
Sample Info: BIJ0031-SRM1

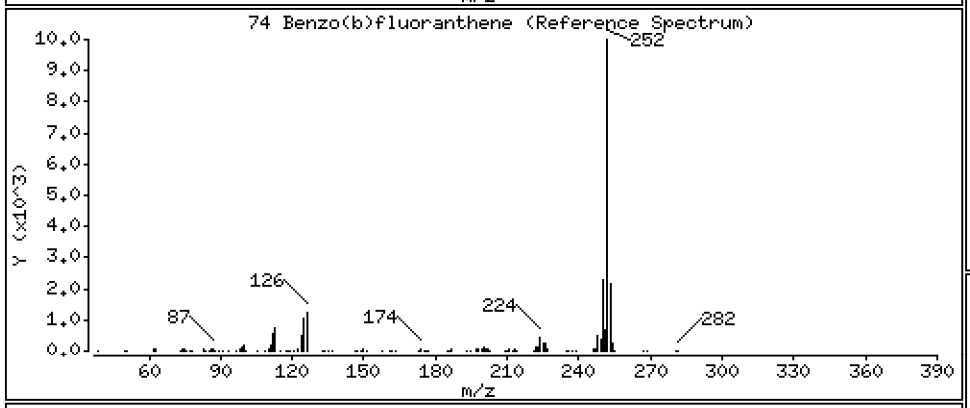
Operator: VTS

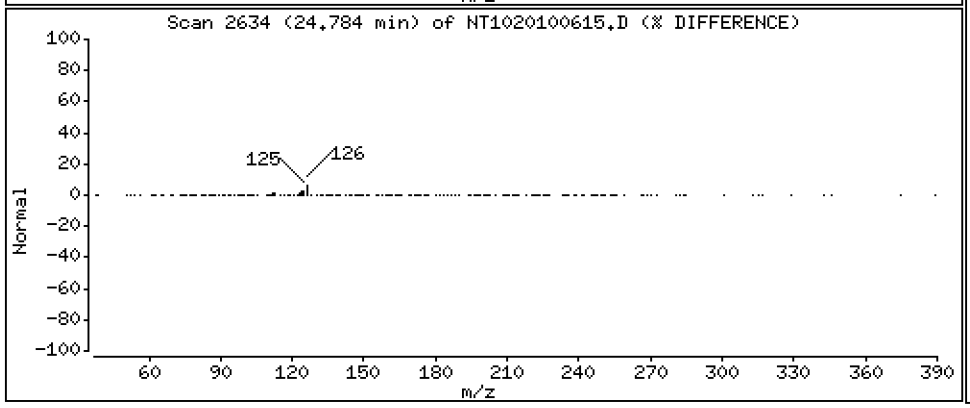
Column phase: ZB-5msi Column diameter: 0.25

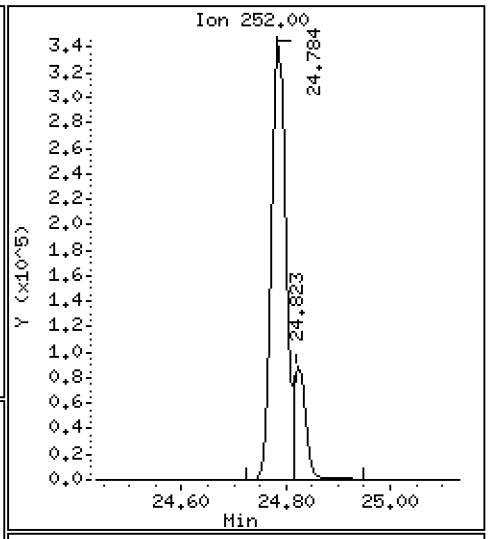
74 Benzo(b)fluoranthene Concentration: 6.311 ug/mL

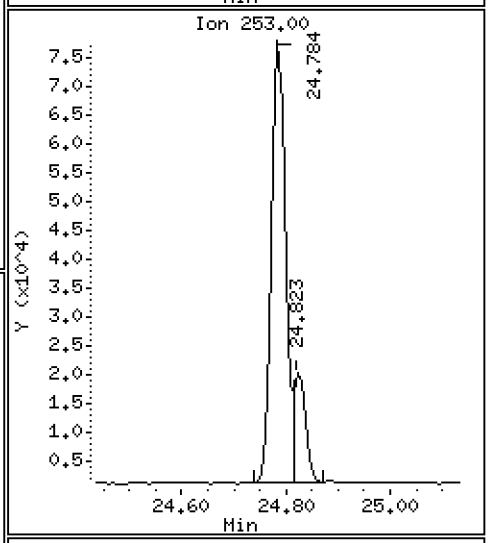


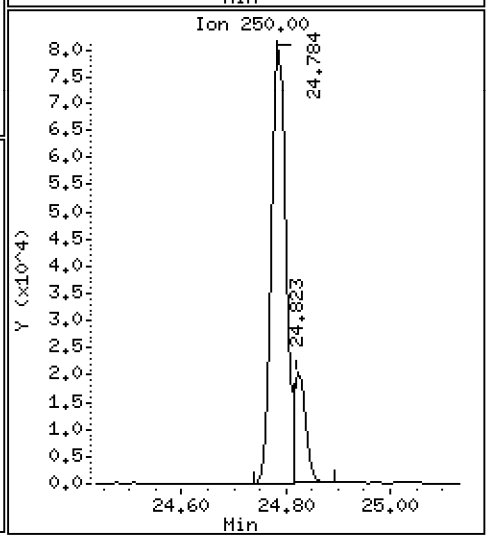












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

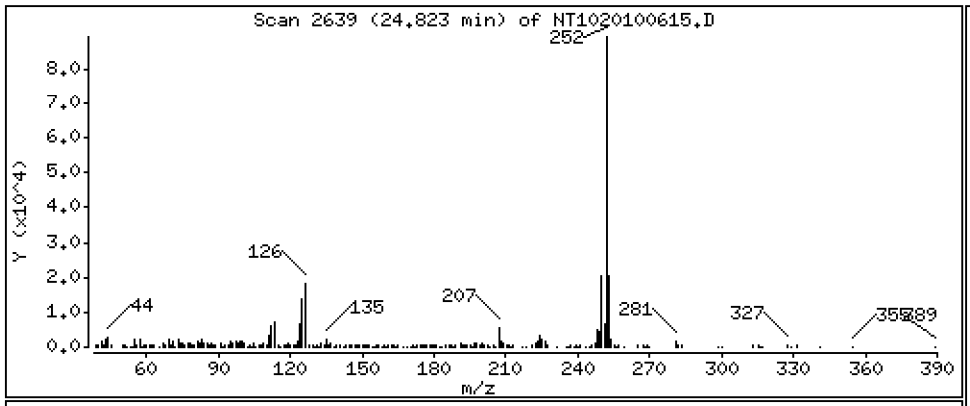
Operator: VTS

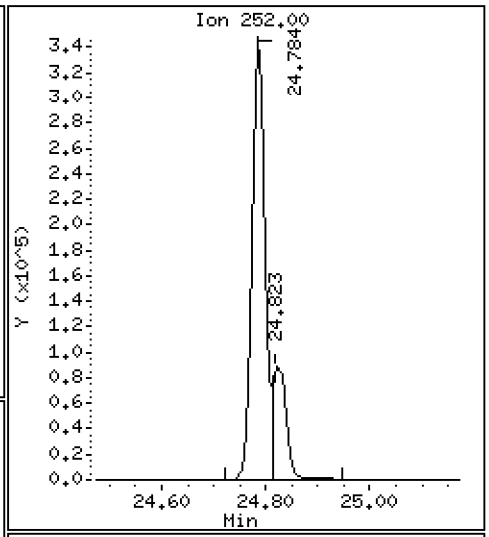
Column phase: ZB-5msi

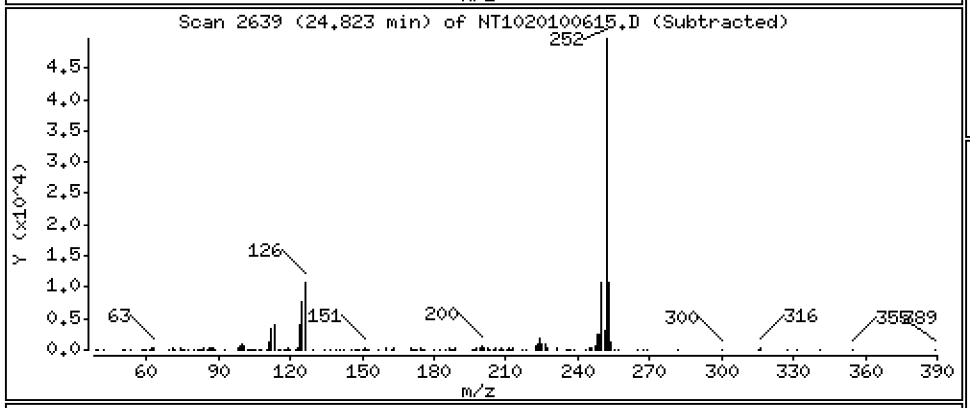
Column diameter: 0.25

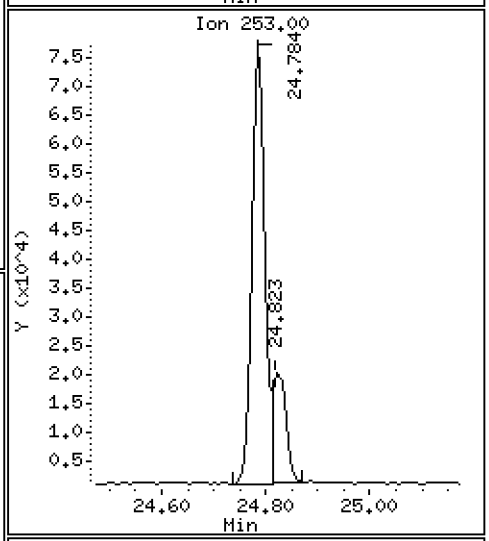
75 Benzo(k)fluoranthene

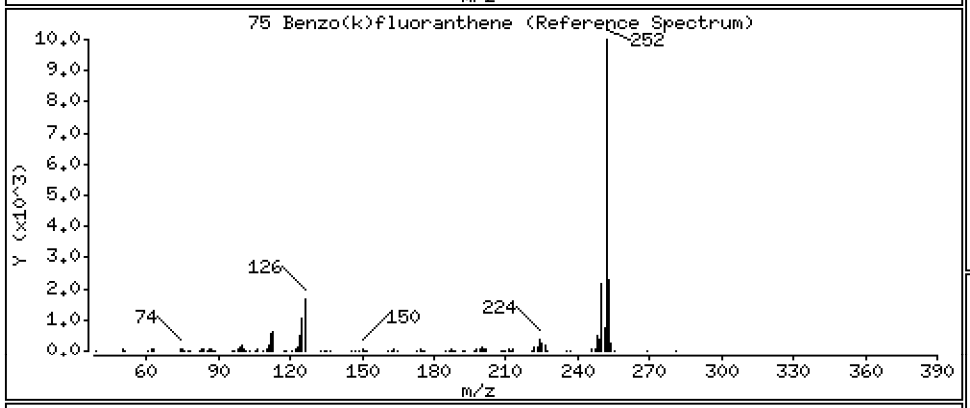
Concentration: 1.463 ug/mL

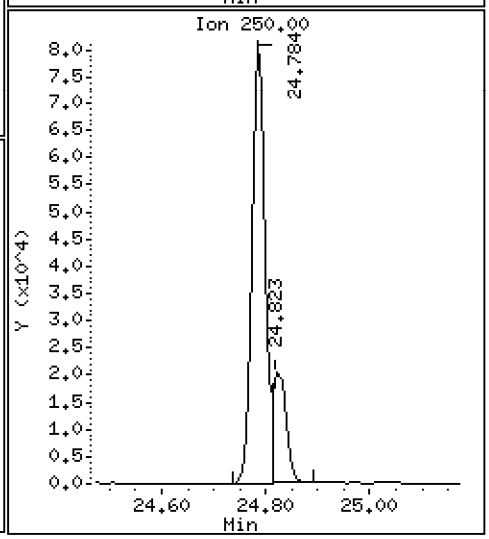


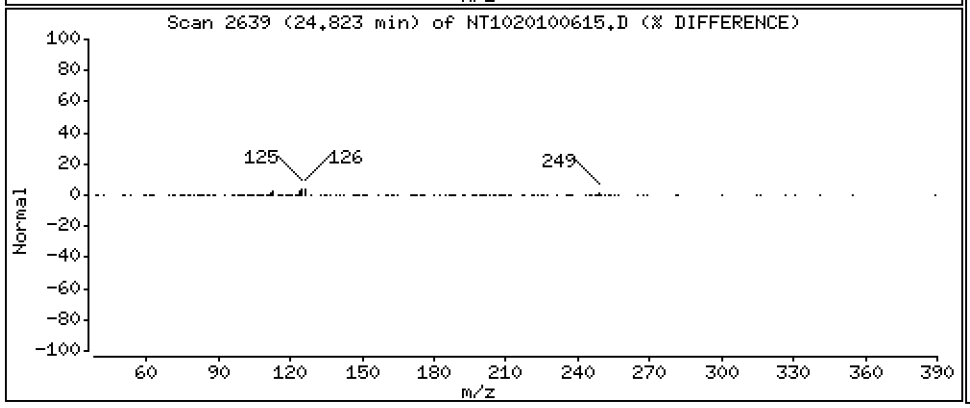












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

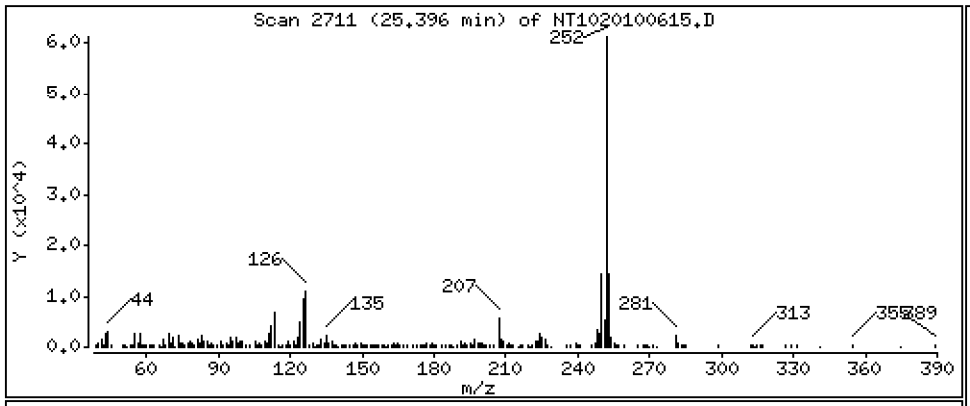
Operator: VTS

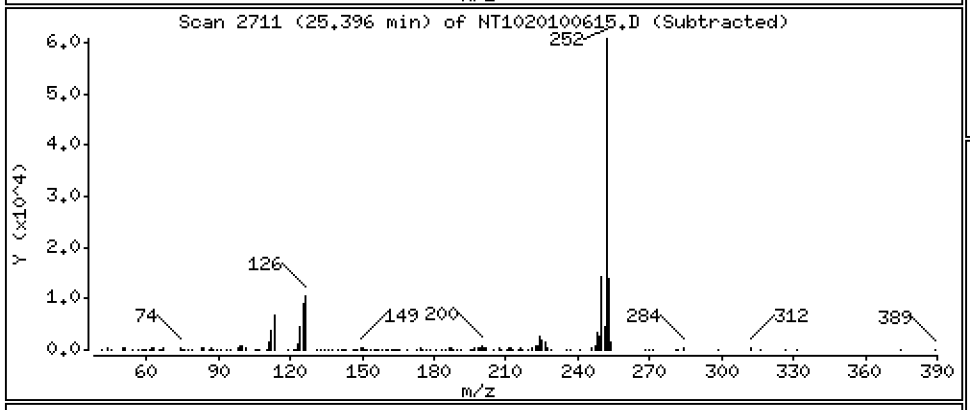
Column phase: ZB-5msi

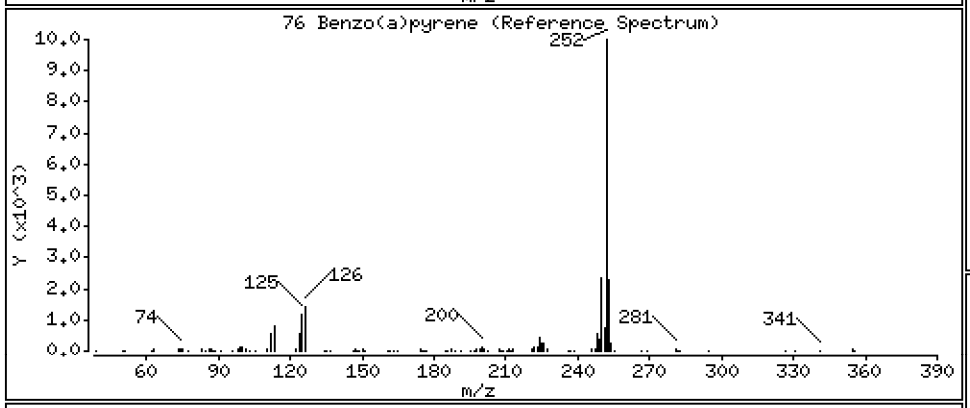
Column diameter: 0.25

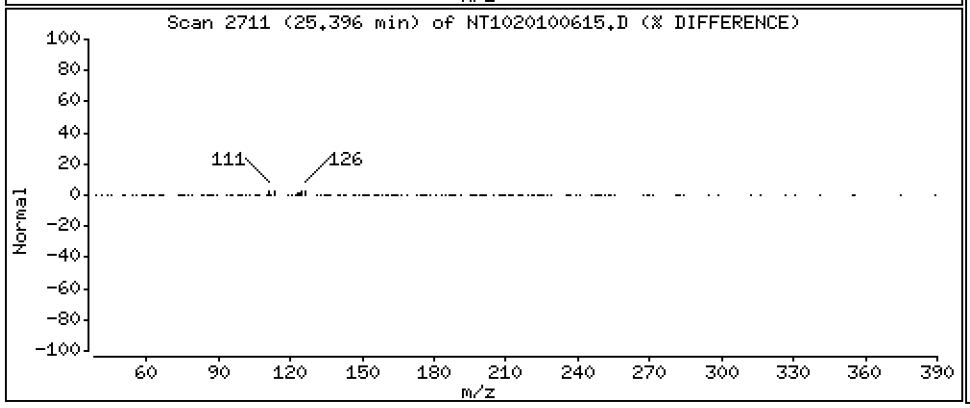
76 Benzo(a)pyrene

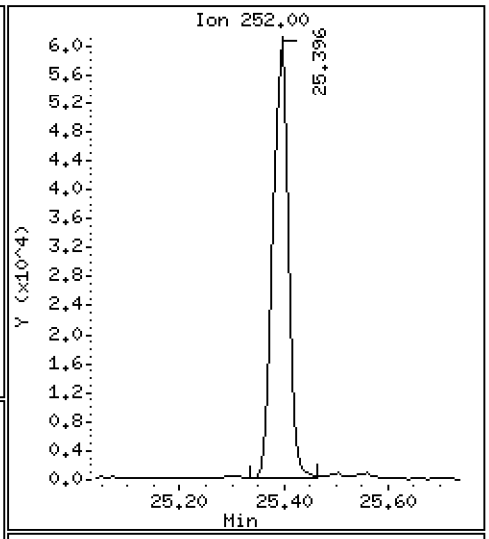
Concentration: 1.428 ug/mL

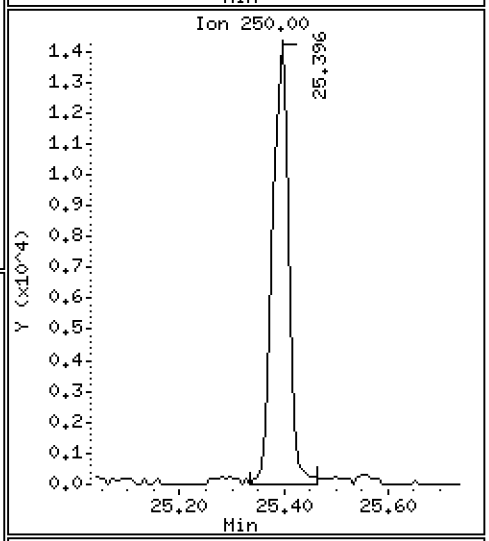


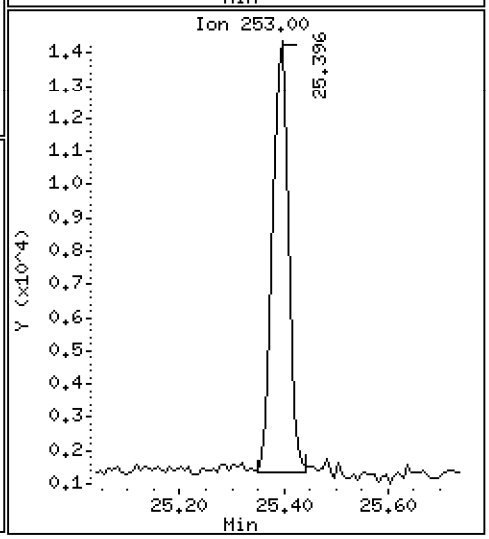












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

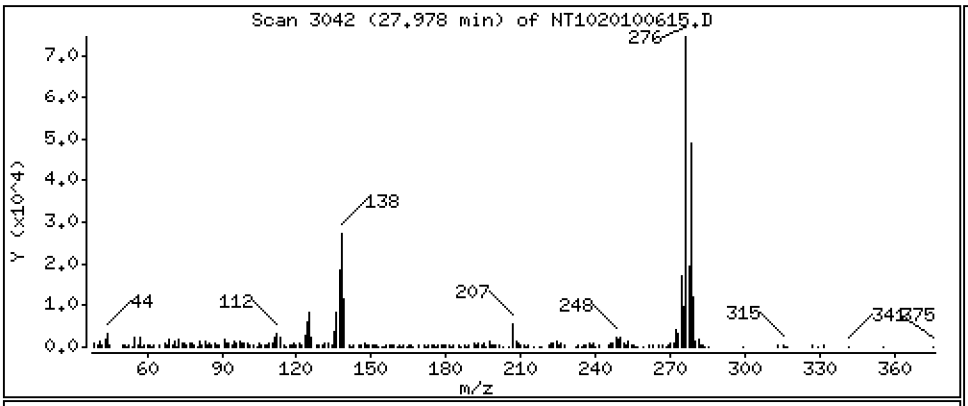
Operator: VTS

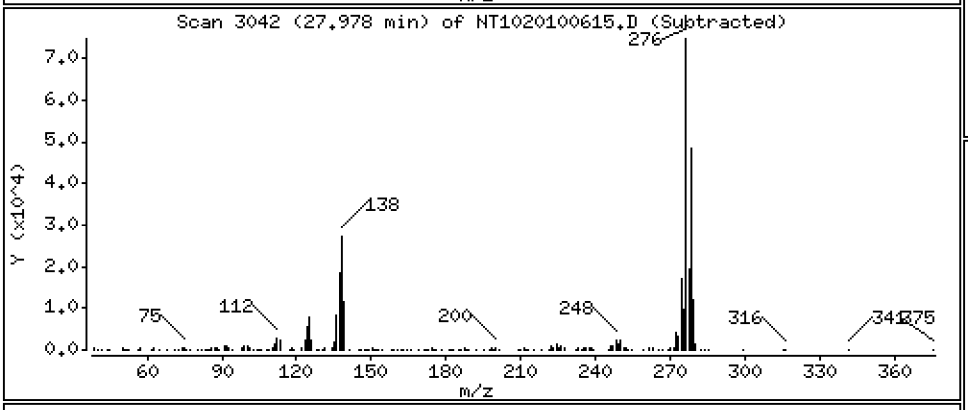
Column phase: ZB-5msi

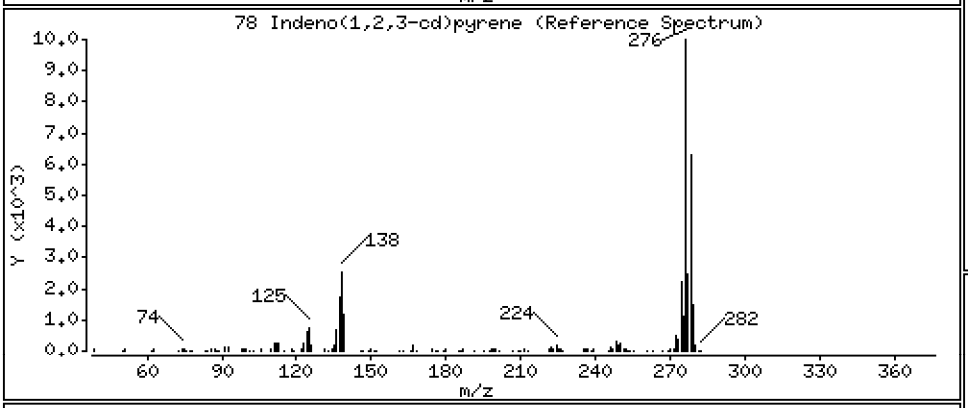
Column diameter: 0.25

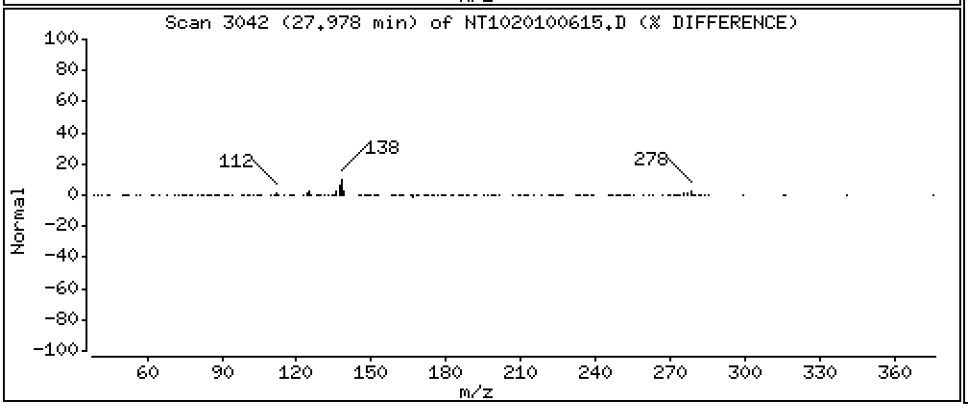
78 Indeno(1,2,3-cd)pyrene

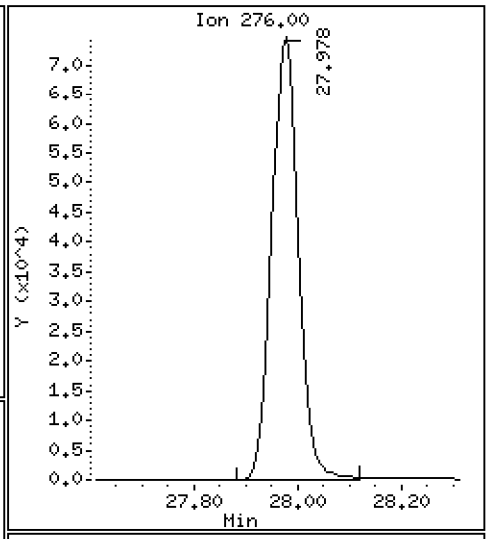
Concentration: 3.792 ug/mL

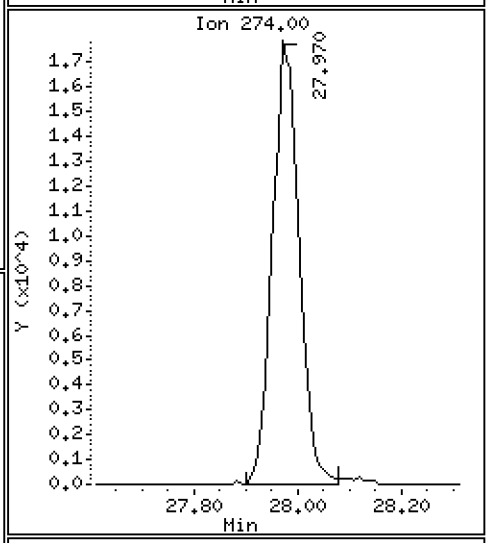


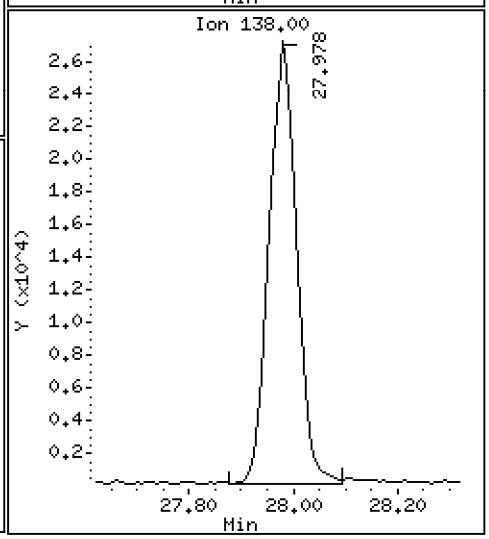












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

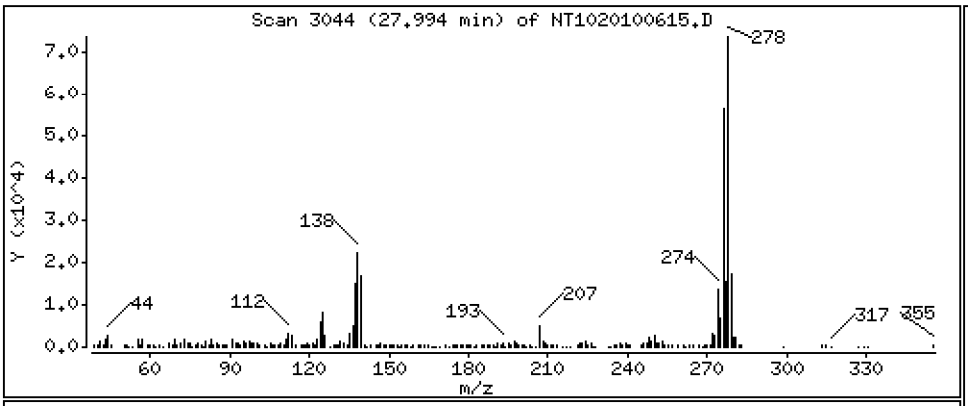
Operator: VTS

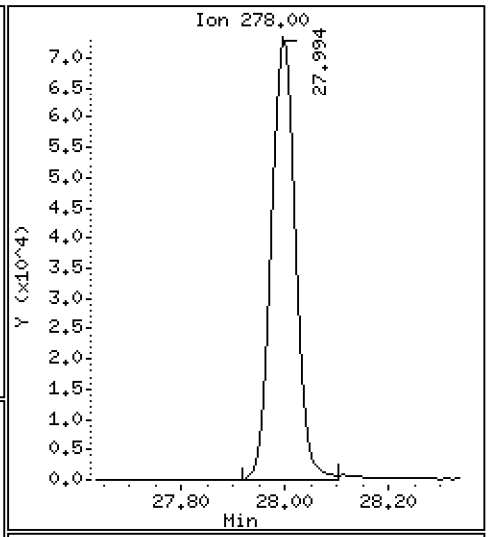
Column phase: ZB-5msi

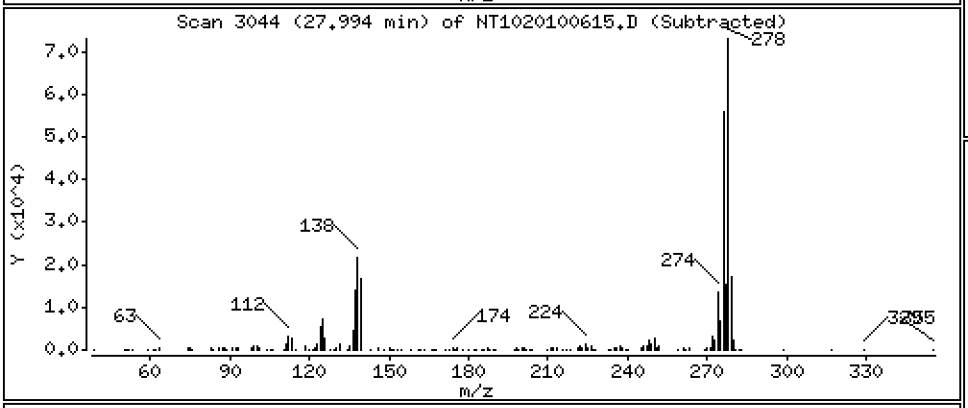
Column diameter: 0.25

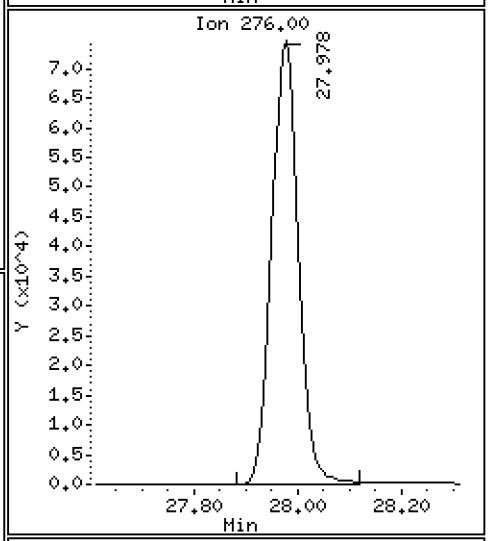
79 Dibenzo(a,h)anthracene

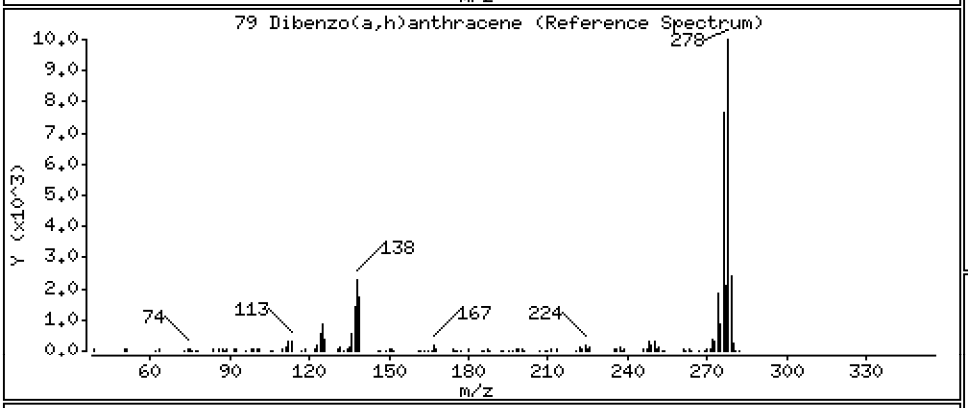
Concentration: 4.119 ug/mL

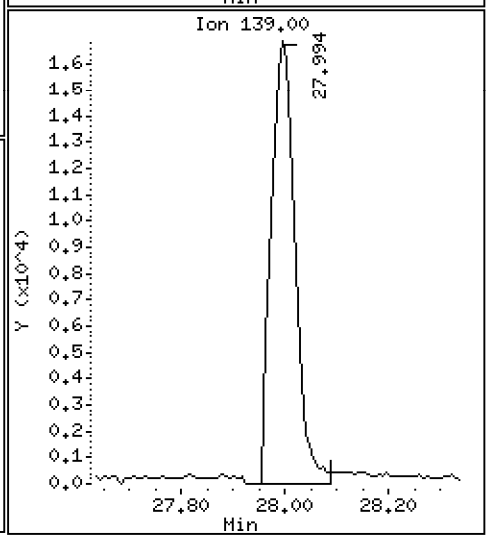


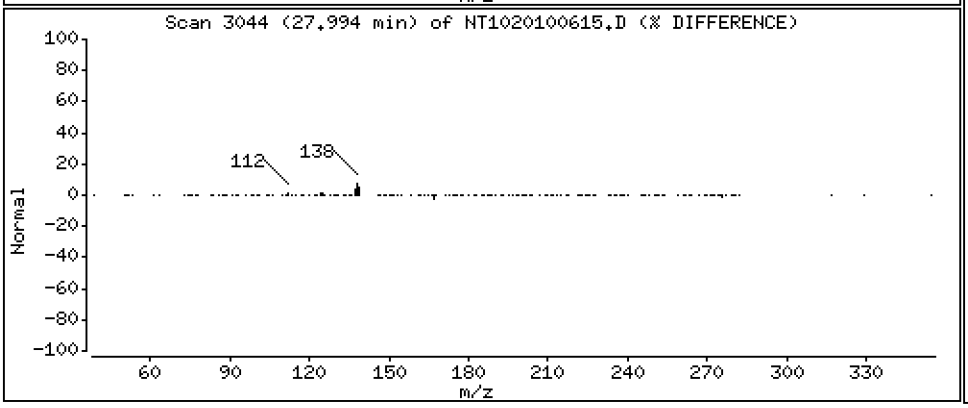












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

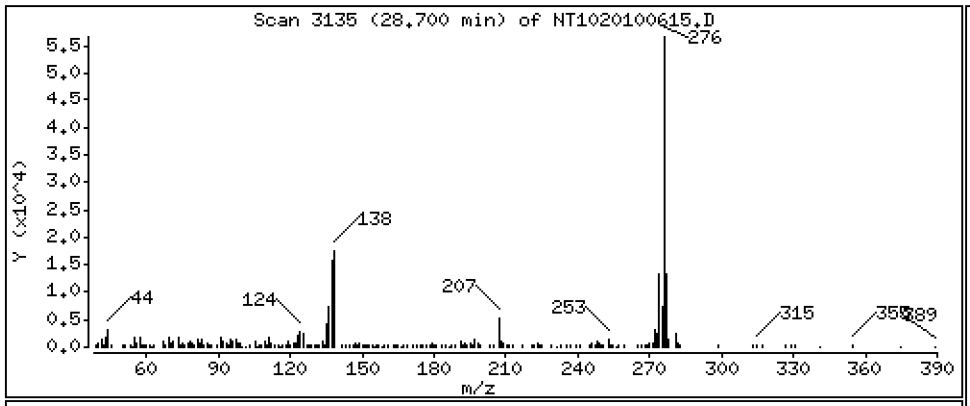
Operator: VTS

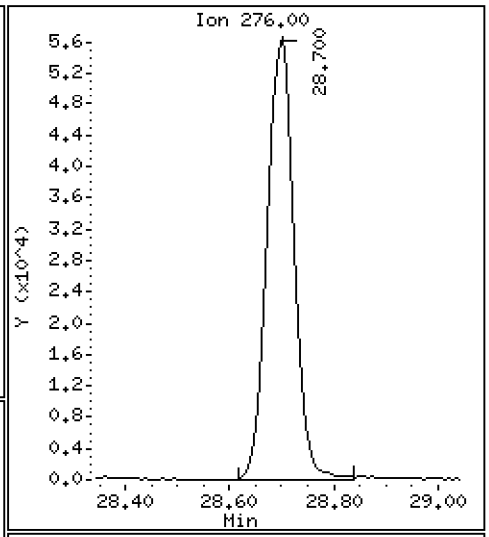
Column phase: ZB-5msi

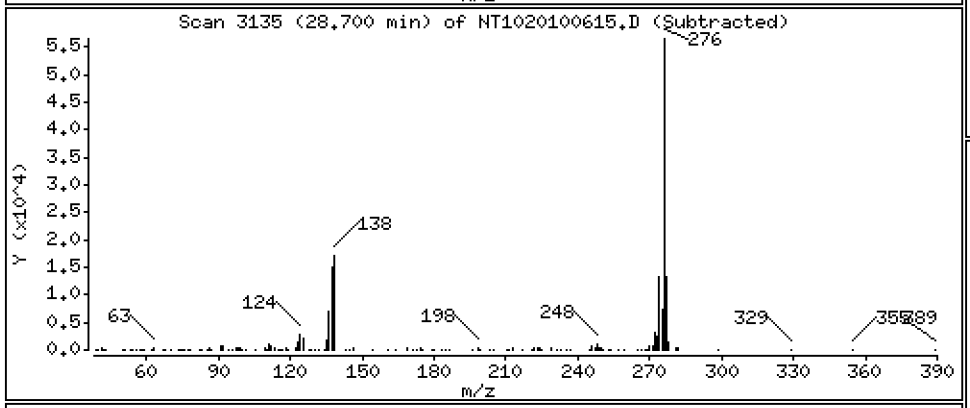
Column diameter: 0.25

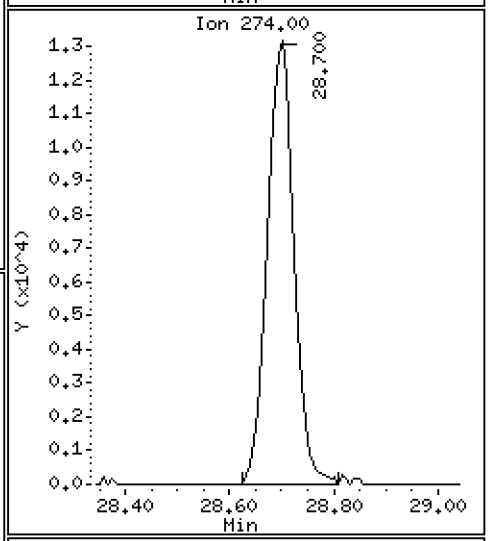
80 Benzo(g,h,i)perylene

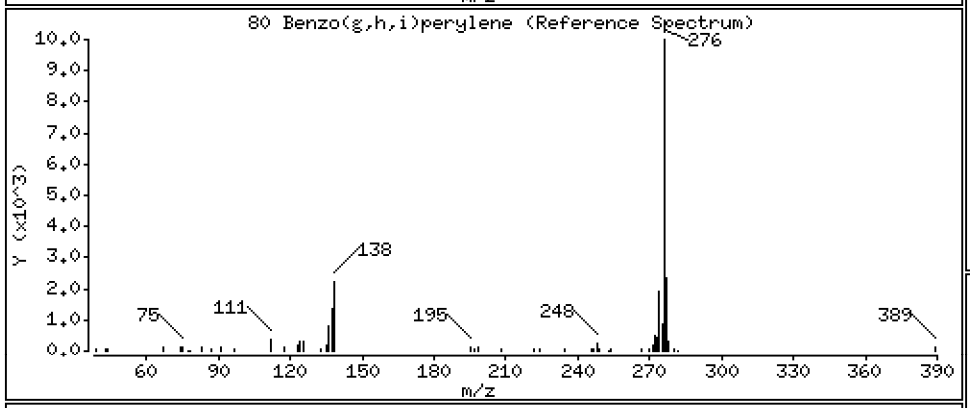
Concentration: 3.519 ug/mL

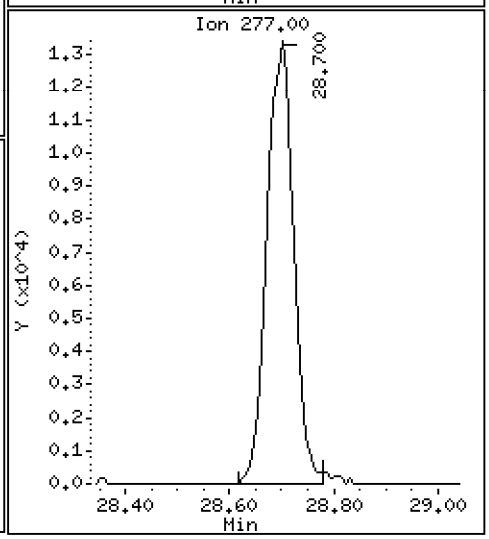


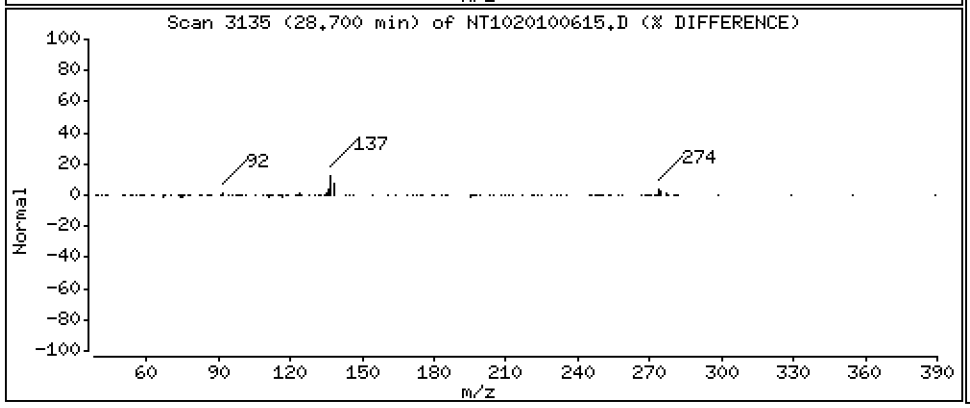












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

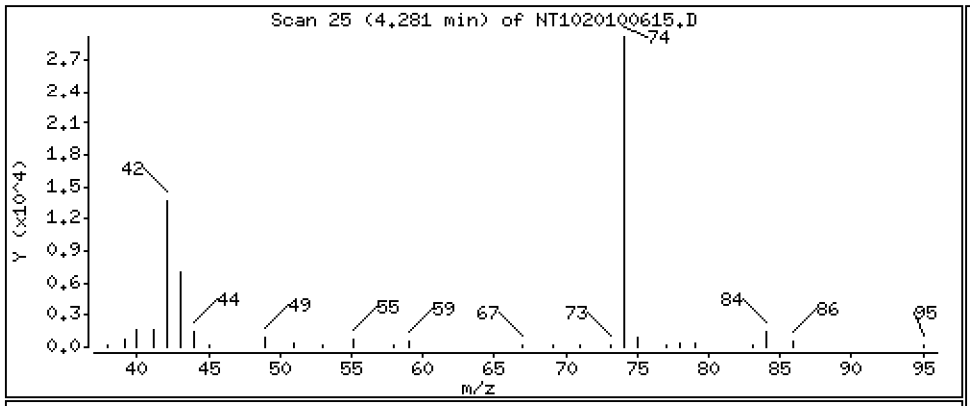
Operator: VTS

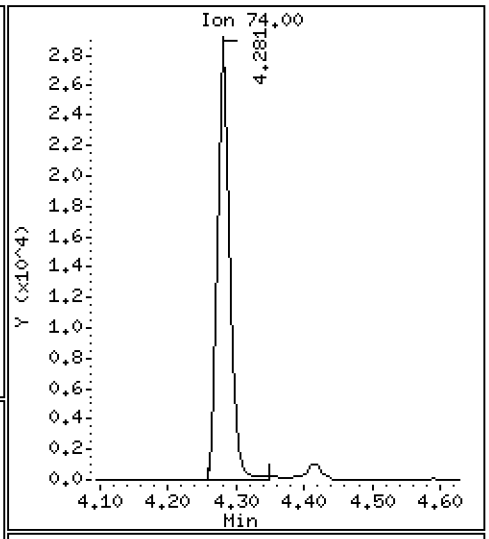
Column phase: ZB-5msi

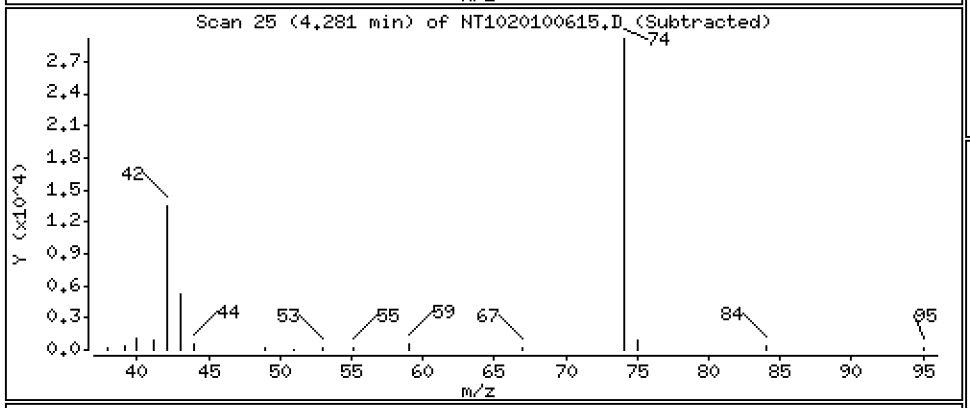
Column diameter: 0.25

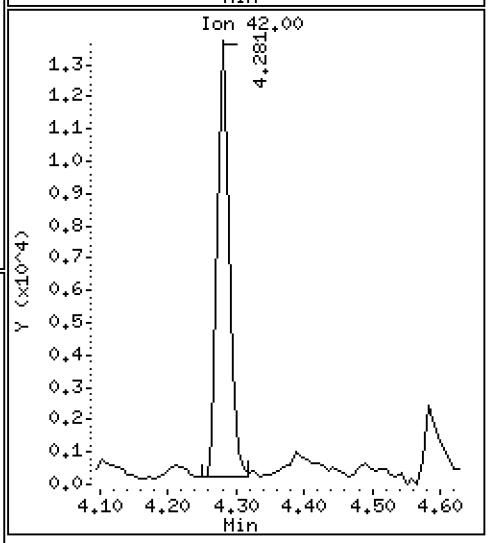
90 N-Nitrosodimethylamine

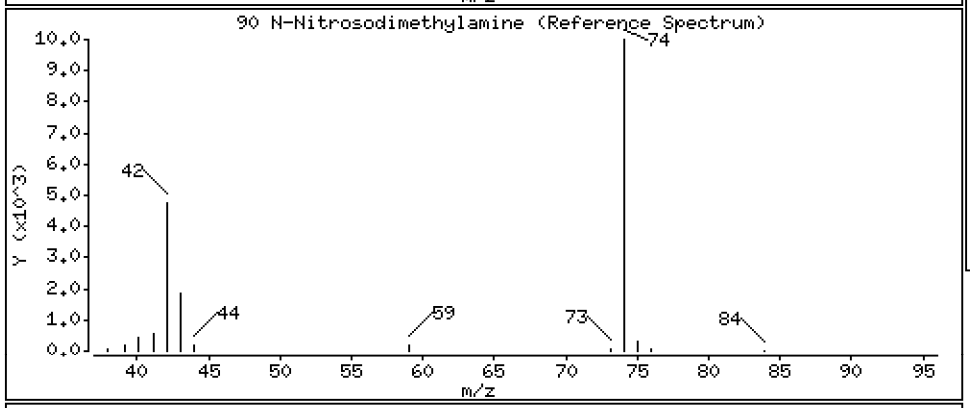
Concentration: 1.354 ug/mL

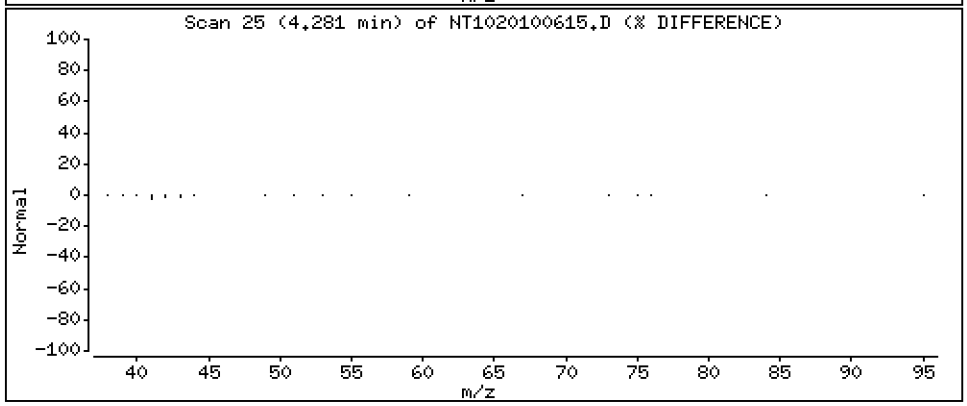












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D

Date : 06-OCT-2020 21:02

Client ID:

Instrument: nt10.i

Sample Info: BIJ0031-SRM1

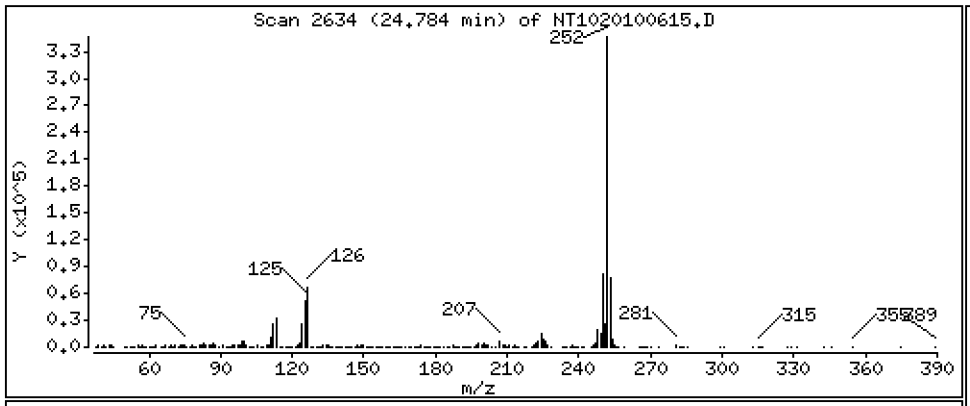
Operator: VTS

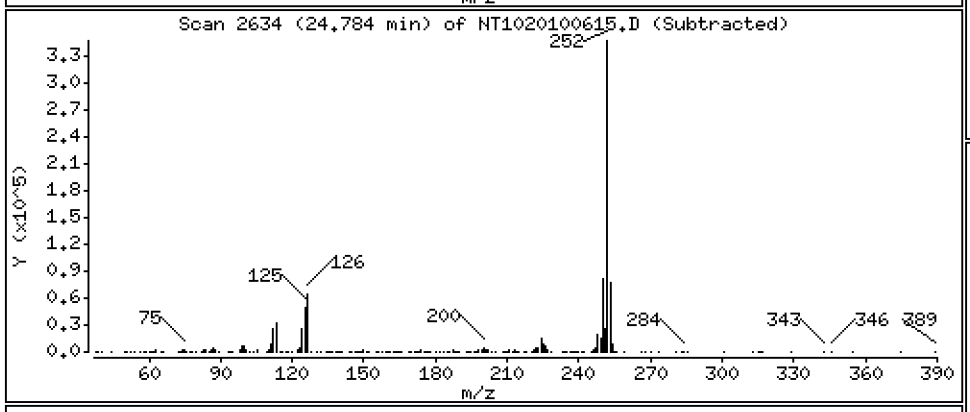
Column phase: ZB-5msi

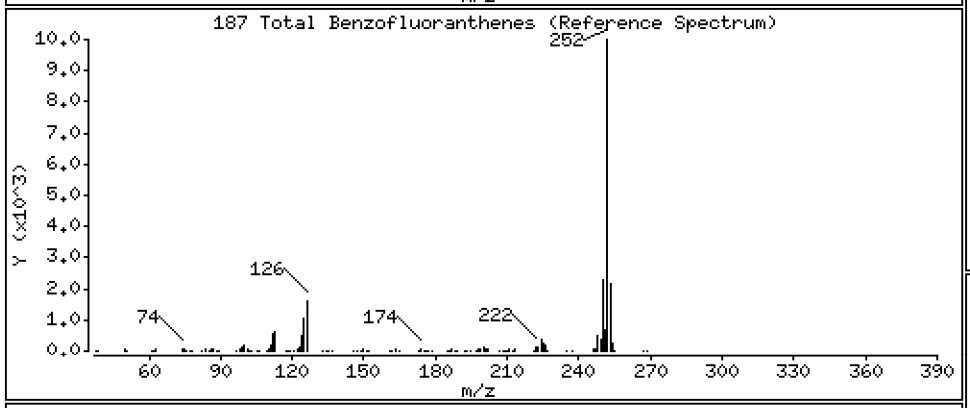
Column diameter: 0.25

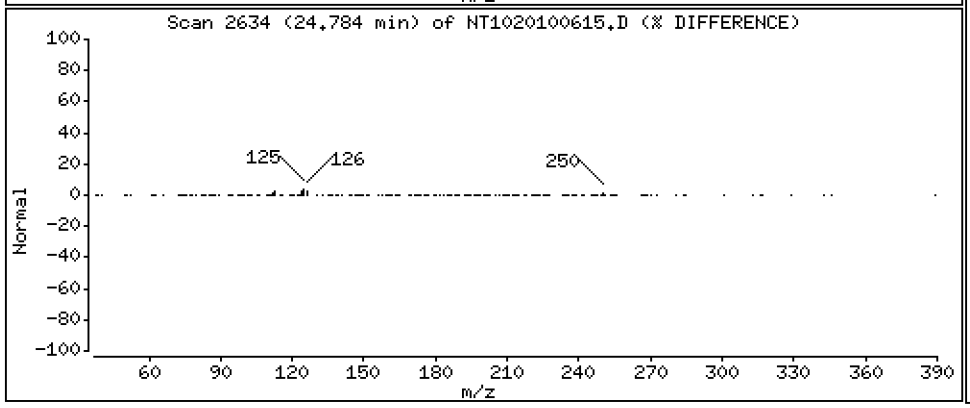
187 Total Benzofluoranthenes

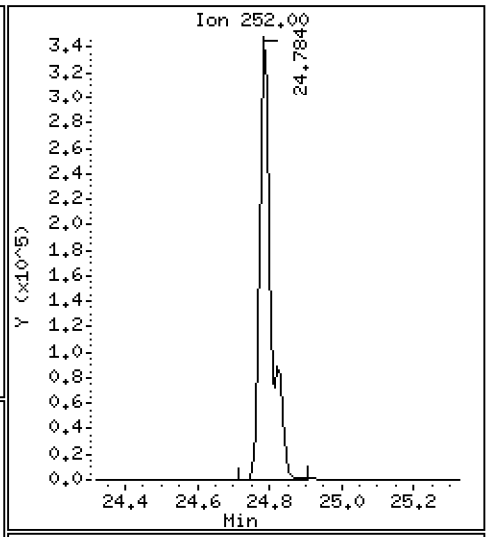
Concentration: 7.680 ug/mL

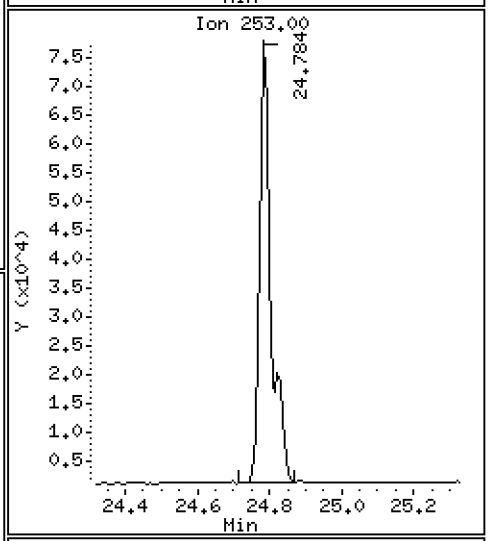


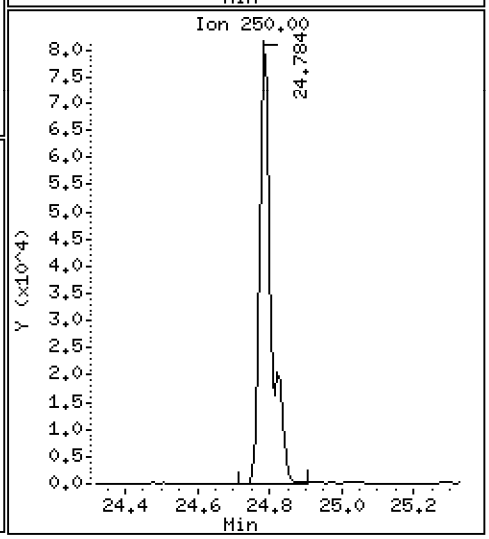












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201006.b\NT1020100615.D
Lab Smp Id: BIJ0031-SRM1
Inj Date : 06-OCT-2020 21:02
Operator : VTS Inst ID: nt10.i
Smp Info : BIJ0031-SRM1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201006.b\ABN.m
Meth Date : 08-Oct-2020 09:57 yev Quant Type: ISTD
Cal Date : 19-SEP-2020 17:51 Cal File: NT1020091910.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	6.473	6.465	(0.746)	217961	5.74468	5.745
$	2 Phenol-d5	99	8.073	8.073	(0.931)	315691	5.92497	5.925
	3 Phenol	94	8.096	8.096	(0.933)	162605	3.11084	3.111
$	5 2-Chlorophenol-d4	132	8.320	8.328	(0.959)	240631	6.14803	6.148
	4 Bis(2-Chloroethyl)ether	93	8.243	8.250	(0.950)	11513	0.28264	0.2826
	6 2-Chlorophenol	128	8.351	8.351	(0.963)	87293	2.03677	2.037
	7 1,3-Dichlorobenzene	146	8.614	8.614	(0.993)	60563	1.37652	1.377
*	8 1,4-Dichlorobenzene-d4	152	8.676	8.683	(1.000)	103454	4.00000	
	9 1,4-Dichlorobenzene	146	8.707	8.714	(1.004)	85616	2.26962	2.270
$	10 1,2-Dichlorobenzene-d4	152	9.033	9.040	(1.041)	105971	4.17619	4.176
	12 1,2-Dichlorobenzene	146	9.064	9.064	(1.045)	19946	0.50006	0.5001
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	121	Compound Not Detected.					
	13 2-Methylphenol	108	9.203	9.203	(1.061)	116405	3.51407	3.514
	17 Hexachloroethane	117	9.646	9.646	(1.112)	33916	2.06319	2.063
	16 N-Nitroso-di-n-propylamine	70	9.522	9.522	(1.098)	43325	1.76487	1.765
	15 4-Methylphenol	108	9.475	9.475	(1.092)	164292	4.63585	4.636
$	18 Nitrobenzene-d5	82	9.778	9.778	(0.877)	157890	4.19725	4.197
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	10.259	10.259	(0.920)	198451	2.55262	2.553
	21 2-Nitrophenol	139	10.440	10.440	(0.936)	33401	1.42547	1.425
	22 2,4-Dimethylphenol	107	10.508	10.508	(0.942)	102741	3.07937	3.079
	23 Bis(2-Chloroethoxy)methane	93	10.703	10.703	(0.960)	66834	1.64132	1.641
	24 Benzoic acid	105	10.652	10.737	(0.955)	53033	2.30968	2.310
	25 2,4-Dichlorophenol	162	10.899	10.898	(0.977)	107284	3.58773	3.588
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	11.152	11.160	(1.000)	361483	4.00000	
	28 Naphthalene	128	11.199	11.199	(1.004)	75068	0.80100	0.8010
	29 4-Chloroaniline	127	11.345	11.345	(1.017)	7917	0.20385	0.2038
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	142	12.591	12.591	(1.129)	185863	2.38083	2.381
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.226	13.225	(0.896)	126673	5.04587	5.046
	35 2,4,5-Trichlorophenol	196	13.295	13.295	(0.900)	96400	3.52470	3.525
$	36 2-Fluorobiphenyl	172	13.380	13.380	(0.906)	365877	4.20044	4.200
	37 2-Chloronaphthalene	162	13.582	13.581	(0.920)	156273	1.98778	1.988
	38 2-Nitroaniline	65	13.860	13.860	(0.939)	42773	2.08530	2.085
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	14.448	14.448	(0.979)	420002	3.66251	3.663
	41 2,6-Dinitrotoluene	165	14.441	14.441	(0.978)	128140	7.33224	7.332
*	42 Acenaphthene-d10	164	14.766	14.766	(1.000)	194780	4.00000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	14.827	14.827	(1.004)	202567	3.09594	3.096
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	15.160	15.160	(1.027)	322573	3.37441	3.374
	47 4-Nitrophenol	109	15.067	15.067	(1.020)	33611	5.00952	5.010
	48 2,4-Dinitrotoluene	165	15.245	15.245	(1.032)	125216	5.41341	5.413
	50 Diethylphthalate	149	15.755	15.763	(1.067)	3674	0.05251	0.05251
	49 Fluorene	166	15.871	15.871	(1.075)	419173	5.29407	5.294
	51 4-Chlorophenyl-phenylether	204	15.871	15.879	(1.075)	54566	1.42762	1.428
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	16.134	16.134	(0.906)	401223	8.96699	8.967
$	55 2,4,6-Tribromophenol	330	16.411	16.411	(1.111)	85243	6.24587	6.246
	56 4-Bromophenyl-phenylether	248	16.882	16.882	(0.948)	89620	2.95100	2.951
	57 Hexachlorobenzene	284	17.183	17.183	(0.965)	69603	2.32966	2.330
	58 Pentachlorophenol	266	17.555	17.555	(0.986)	70160	5.67605	5.676
*	59 Phenanthrene-d10	188	17.810	17.810	(1.000)	344628	4.00000	
	60 Phenanthrene	178	17.857	17.857	(1.003)	187203	2.05992	2.060
	61 Anthracene	178	17.949	17.949	(1.008)	255655	2.61713	2.617
	62 Carbazole	167	18.298	18.298	(1.027)	9146	0.09279	0.09279
	63 Di-n-butylphthalate	149	Compound Not Detected.					
	64 Fluoranthene	202	20.294	20.294	(0.884)	552206	3.78469	3.785
	65 Pyrene	202	20.727	20.719	(0.903)	791712	5.34175	5.342
$	66 Terphenyl-d14	244	21.037	21.037	(0.916)	383291	3.87353	3.874
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	22.934	22.934	(0.999)	349423	3.35063	3.351
*	69 Chrysene-d12	240	22.965	22.957	(1.000)	269198	4.00000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	23.011	23.003	(1.002)	141777	1.69340	1.693
	72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
*	134 Di-n-octylphthalate-d4	153	24.064	24.056	(1.000)	474852	4.00000	
	73 Di-n-octylphthalate	149	24.072	24.072	(1.000)	920783	7.45541	7.455
	74 Benzo(b)fluoranthene	252	24.784	24.784	(0.972)	646260	6.31096	6.311
	75 Benzo(k)fluoranthene	252	24.823	24.823	(0.973)	150764	1.46314	1.463
	76 Benzo(a)pyrene	252	25.396	25.388	(0.996)	121643	1.42785	1.428
*	77 Perylene-d12	264	25.504	25.496	(1.000)	269954	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	27.978	27.962	(1.097)	267503	3.79233	3.792
	79 Dibenzo(a,h)anthracene	278	27.993	27.985	(1.098)	236454	4.11947	4.119
	80 Benzo(g,h,i)perylene	276	28.700	28.692	(1.125)	202954	3.51902	3.519
	90 N-Nitrosodimethylamine	74	4.280	4.280	(0.493)	37048	1.35361	1.354
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	142	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	24.784	24.823	(0.972)	765335	7.68046	7.680
99 Perylene	252	Compound Not Detected.					
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020100615.D
Lab Smp Id: BIJ0031-SRM1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201006.b\ABN.m
Misc Info:

Calibration Date: 06-OCT-2020
Calibration Time: 13:49
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	100395	50198	200790	103454	3.05
27 Naphthalene-d8	355376	177688	710752	361483	1.72
42 Acenaphthene-d10	187535	93768	375070	194780	3.86
59 Phenanthrene-d10	364436	182218	728872	344628	-5.44
69 Chrysene-d12	279453	139727	558906	269198	-3.67
134 Di-n-octylphthala	514718	257359	1029436	474852	-7.75
77 Perylene-d12	299636	149818	599272	269954	-9.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.68	8.18	9.18	8.68	-0.09
27 Naphthalene-d8	11.16	10.66	11.66	11.15	-0.07
42 Acenaphthene-d10	14.77	14.27	15.27	14.77	0.00
59 Phenanthrene-d10	17.81	17.31	18.31	17.81	0.00
69 Chrysene-d12	22.96	22.46	23.46	22.97	0.03
134 Di-n-octylphthala	24.06	23.56	24.56	24.06	0.03
77 Perylene-d12	25.50	25.00	26.00	25.50	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020100615.D

Lab ID: BIJ0031-SRM1
nt10.i, ABN.m, 06-OCT-2020 21:02

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.955	0.962	-0.0069	Benzoic acid

RRT check based on Ccal File: NT1020100604.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Analytical Resources, Incorporated
Analytical Chemists and Consultants

STANDARD REFERENCE MATERIAL RECOVERY

EPA 8270E

Laboratory: Analytical Resources, Inc.
SDG: 20I0181
Client: Anchor QEA, LLC
Project: Lower Duwamish AOC4
Matrix: Solid
Laboratory ID: BIJ0046-SRM1
Batch: BIJ0046
Initial/Final: 1 g / 1 mL
Preparation: EPA 3546 (Microwave)
Analyzed: 10/08/2020 19:29
Standard ID: I005638
Description: CRM 143 BNAs - Sandy Loam
Expires: 04/30/2022

ANALYTE	TRUE (ug/kg wet)	FOUND (ug/kg wet)	MDL	MRL	Q	SRM % REC.	QC LIMITS REC.
Phenol	4870.0	4430	82.3	200		90.9	18 - 182
4-Methylphenol	5980.0	5690	147	200		95.1	10 - 189
Naphthalene	1920.0	1210	52.5	200		63.1	41 - 159
2-Methylnaphthalene	3600.0	3060	56.7	200		84.9	51 - 149
Acenaphthylene	5450.0	4710	47.7	200		86.3	57 - 142
Acenaphthene	4250.0	3800	51.3	200		89.5	59 - 141
Dibenzofuran	4010.0	3890	46.1	200		97.0	58 - 142
Fluorene	5780.0	5940	49.5	200		103	48 - 152
Phenanthrene	2210.0	2250	46.9	200		102	40 - 160
Anthracene	3240.0	2890	59.3	200		89.2	52 - 148
Fluoranthene	4060.0	3970	45.2	200		97.7	46 - 155
Pyrene	6300.0	5690	55.5	200		90.3	27 - 173
Benzo(a)anthracene	3280.0	3370	51.8	200		103	33 - 167
Chrysene	1750.0	1740	52.2	200		99.5	62 - 139
Benzo(a)pyrene	1690.0	1470	64.8	200		86.9	44 - 156
Indeno(1,2,3-cd)pyrene	2670.0	2840	59.9	200		106	27 - 173
Dibenzo(a,h)anthracene	3030.0	2880	61.6	200		94.9	19 - 181
Benzo(g,h,i)perylene	2550.0	3000	58.2	200		118	40 - 160

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Page 1

Date : 08-OCT-2020 19:29

Client ID:

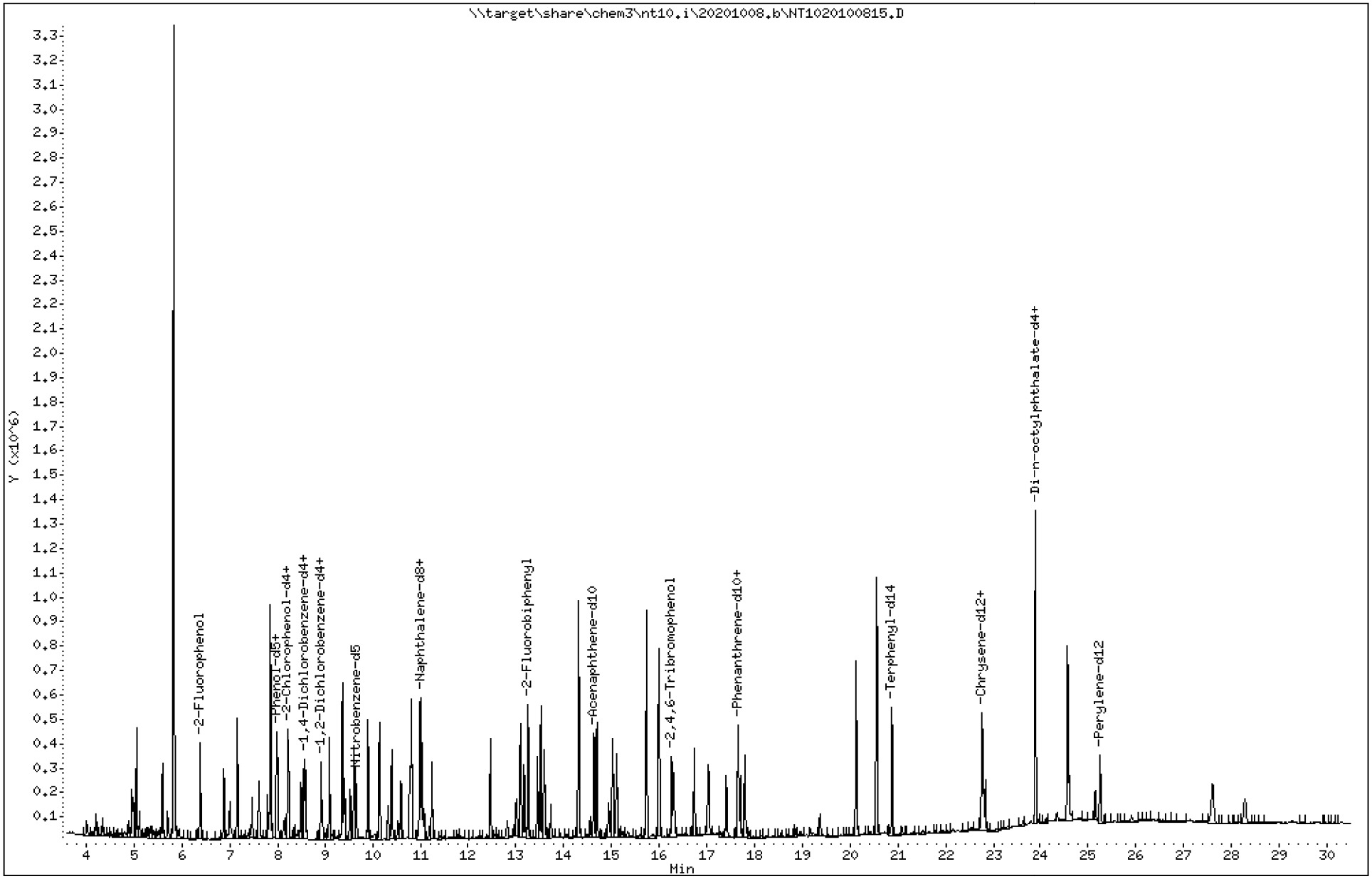
Instrument: nt10.i

Sample Info: BIJ0046-SRM1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

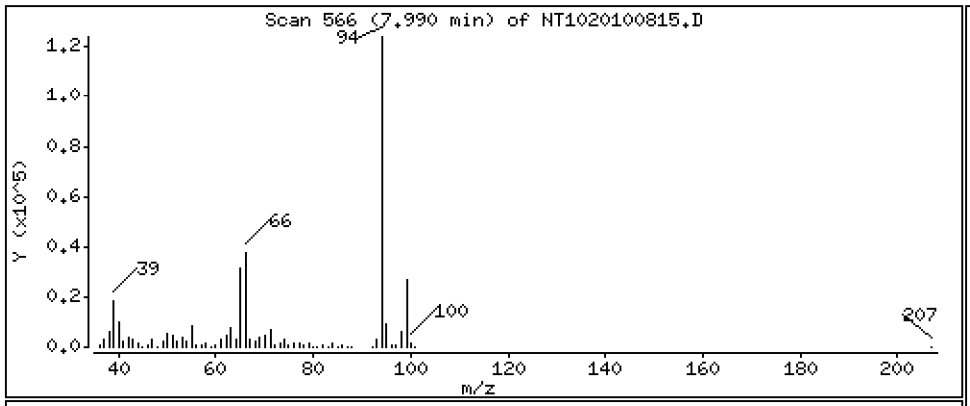
Operator: VTS

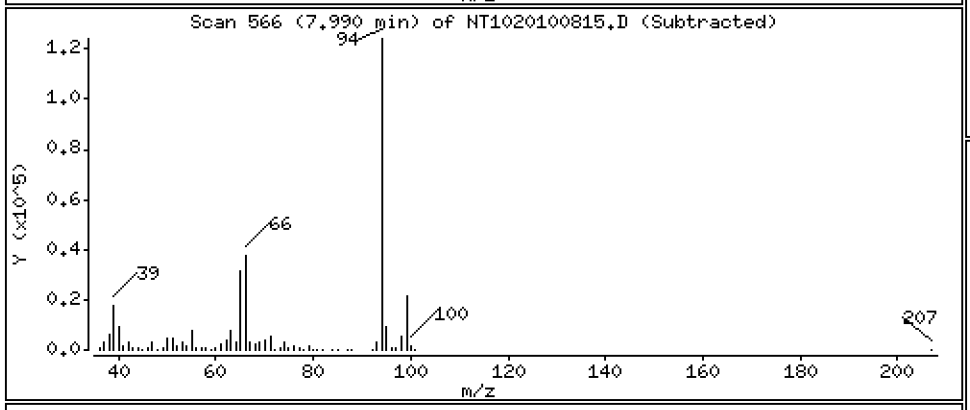
Column phase: ZB-5msi

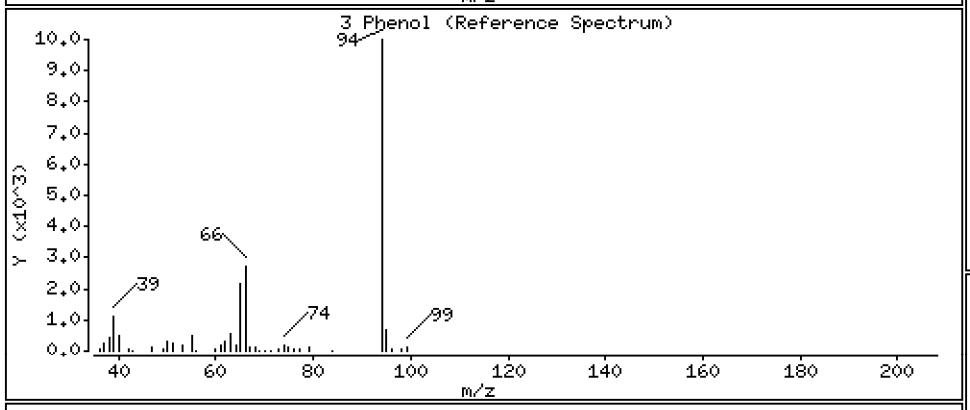
Column diameter: 0.25

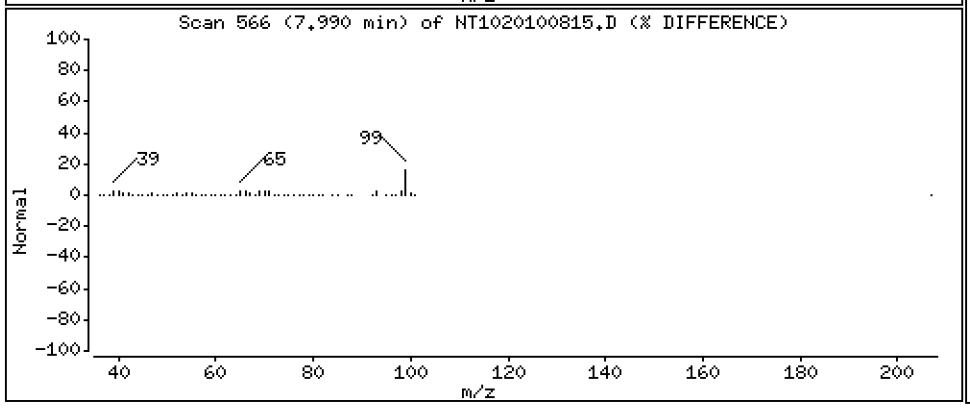
3 Phenol

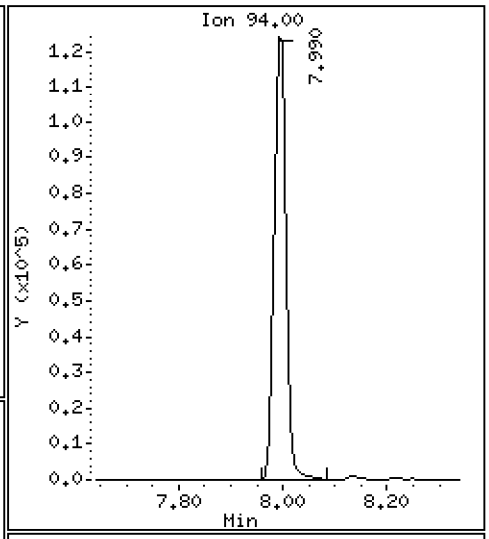
Concentration: 4.428 ug/mL

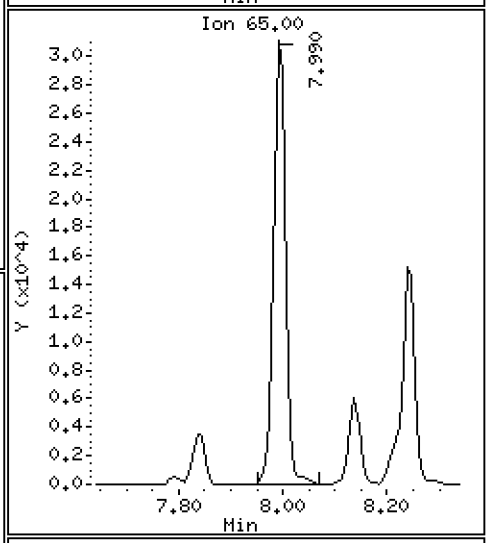


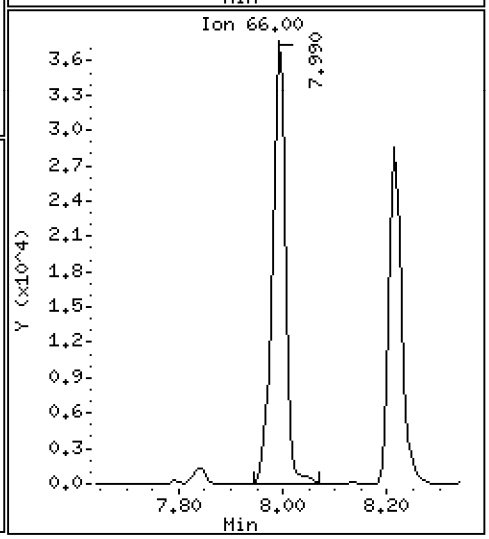












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

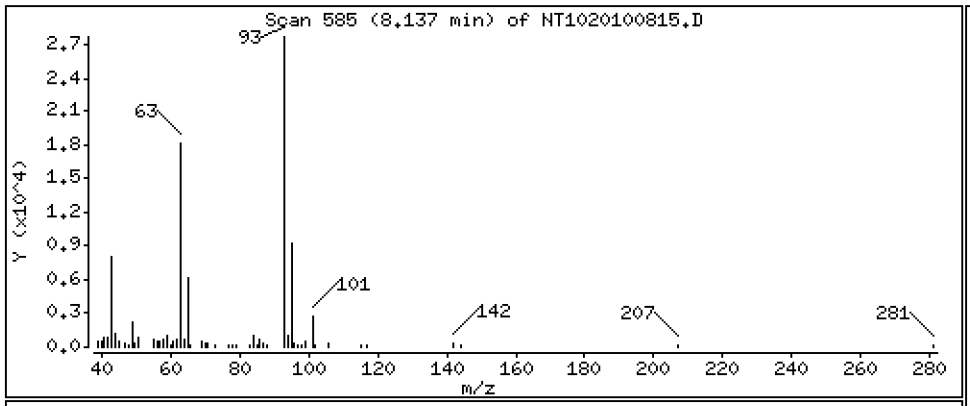
Operator: VTS

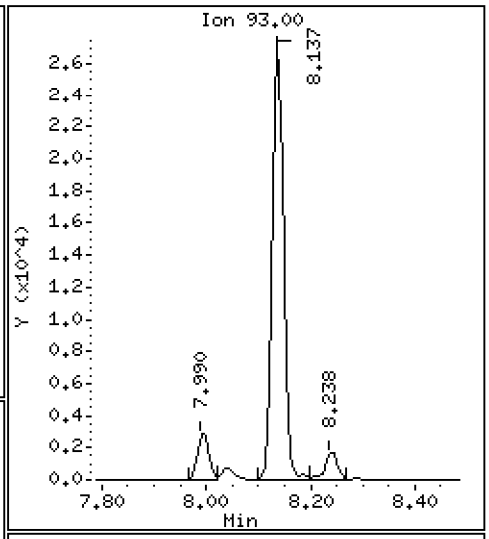
Column phase: ZB-5msi

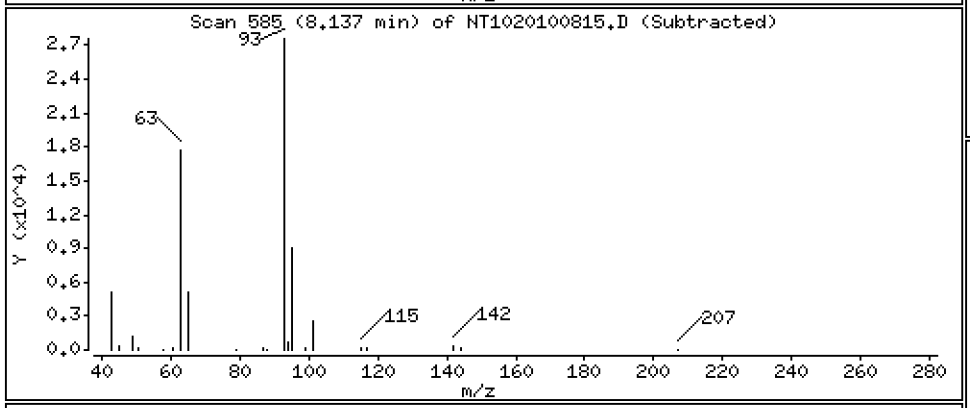
Column diameter: 0.25

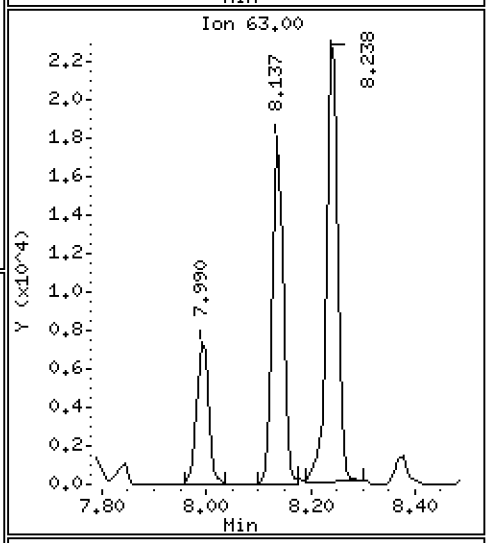
4 Bis(2-Chloroethyl)ether

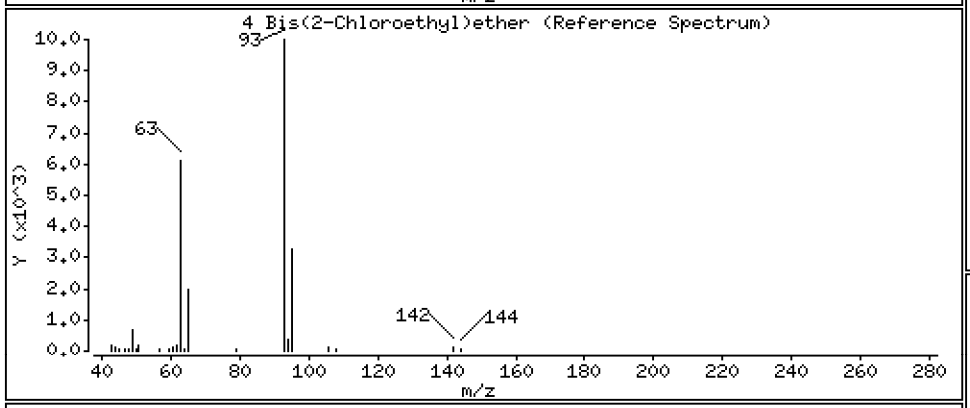
Concentration: 1.155 ug/mL

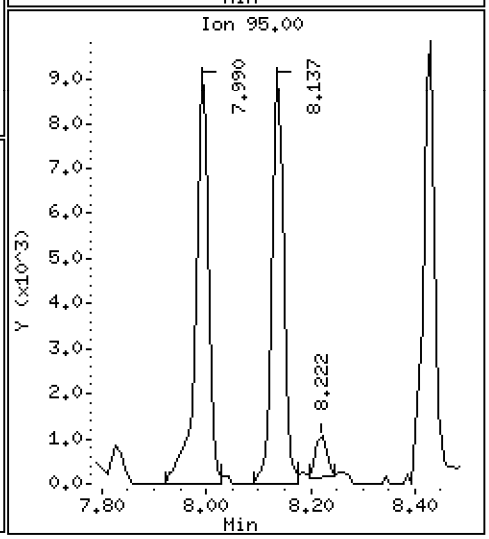


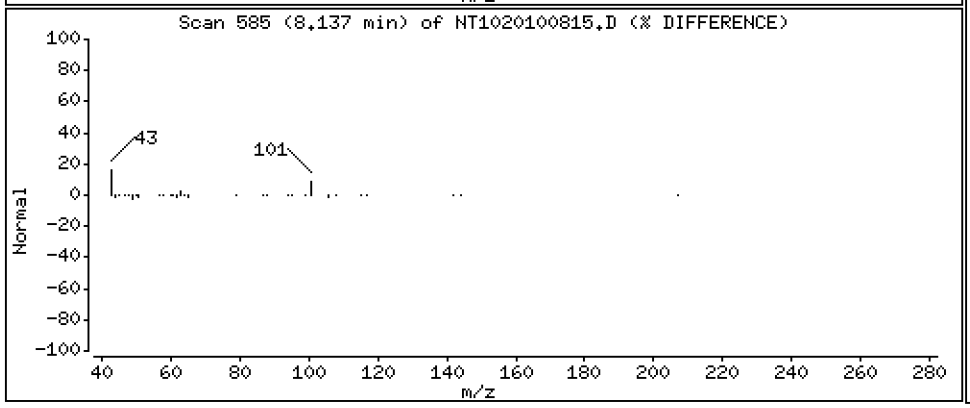












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

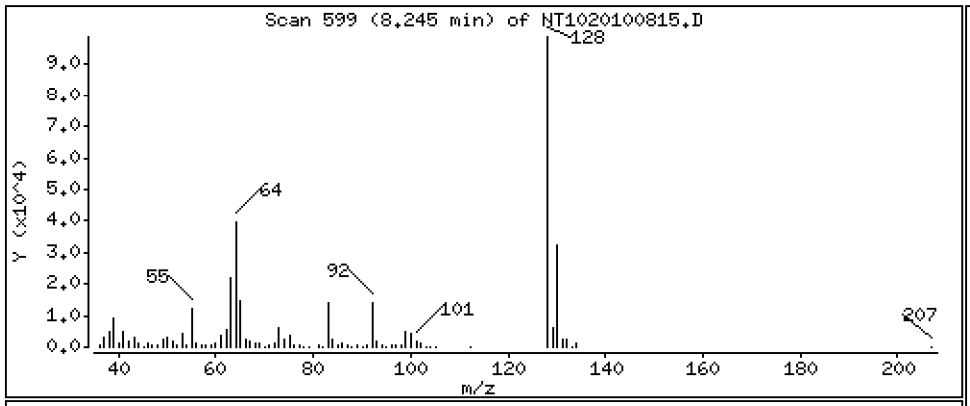
Operator: VTS

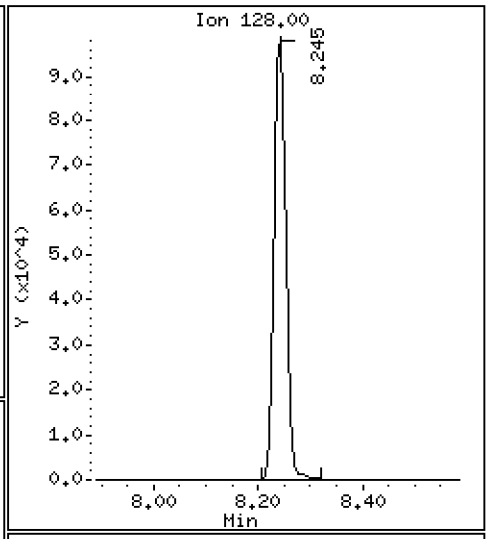
Column phase: ZB-5msi

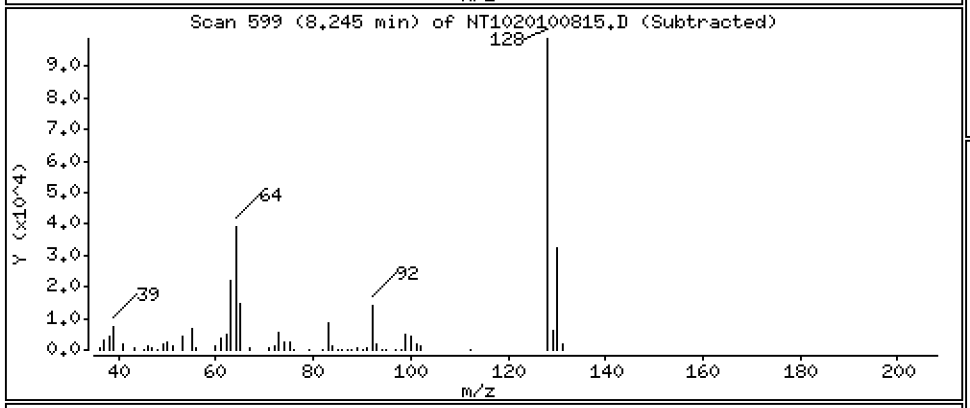
Column diameter: 0.25

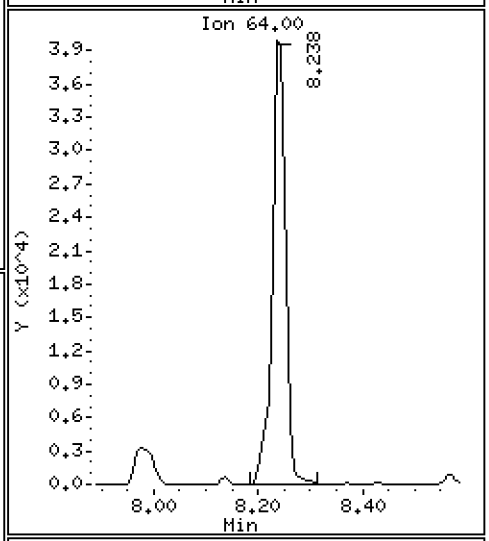
6 2-Chlorophenol

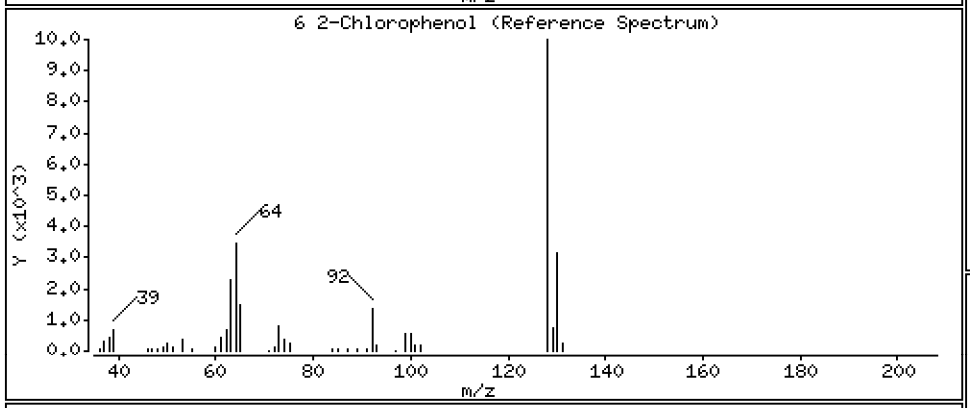
Concentration: 4.247 ug/mL

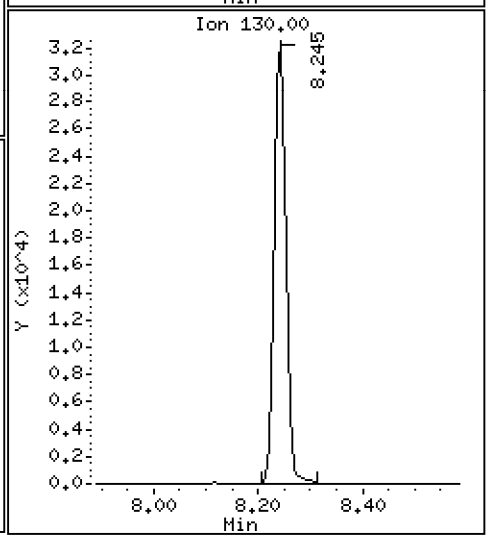


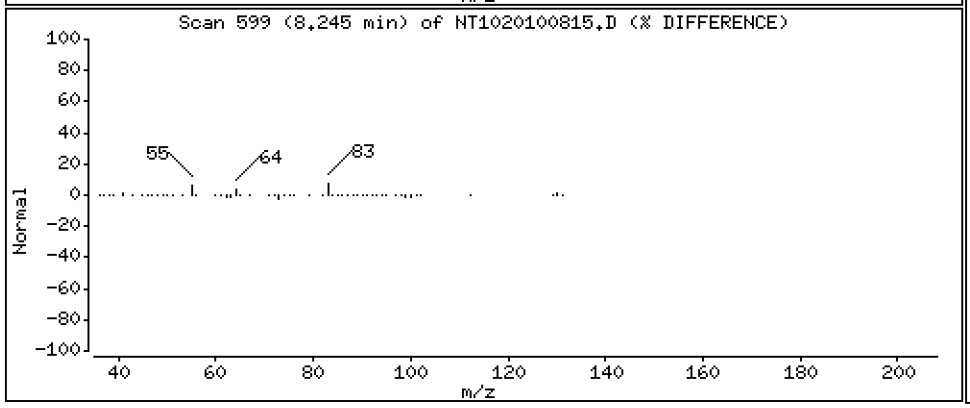












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

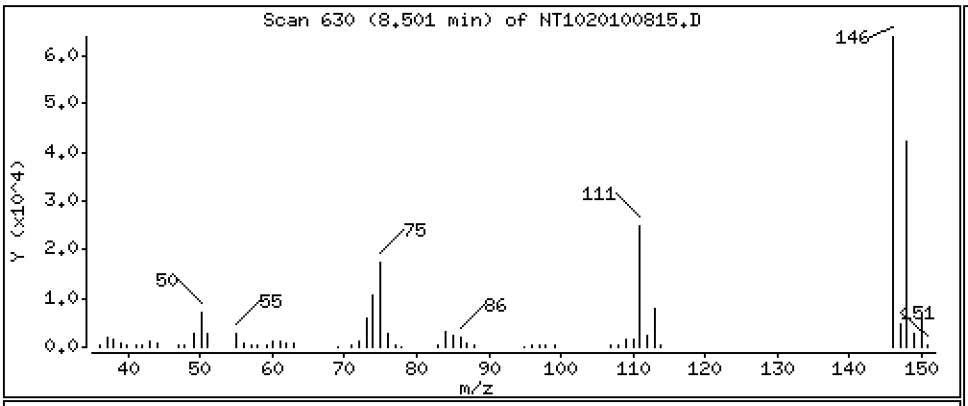
Operator: VTS

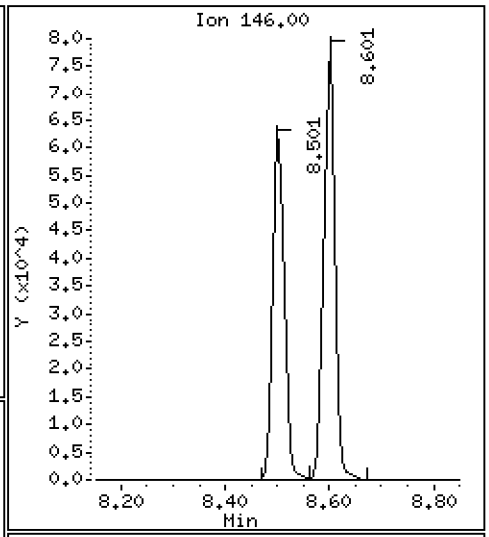
Column phase: ZB-5msi

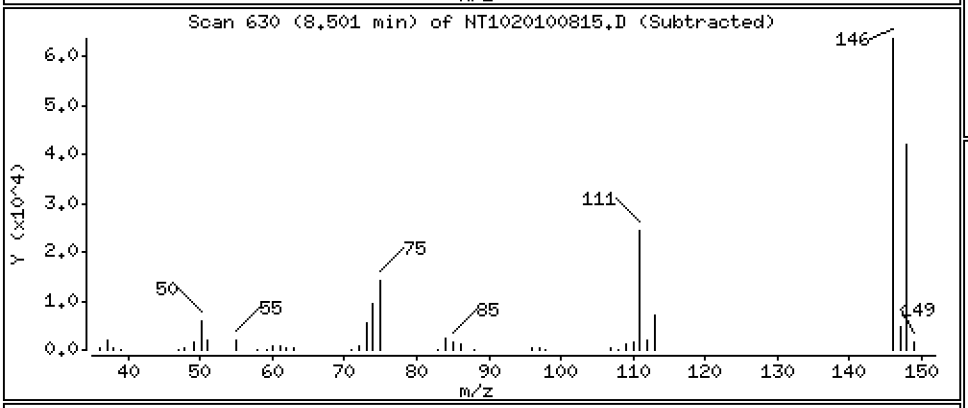
Column diameter: 0.25

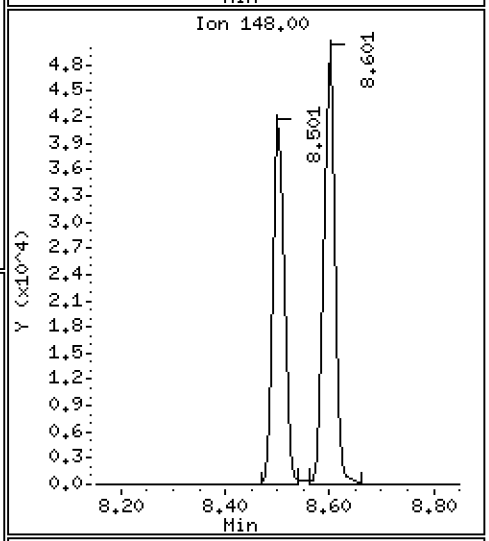
7 1,3-Dichlorobenzene

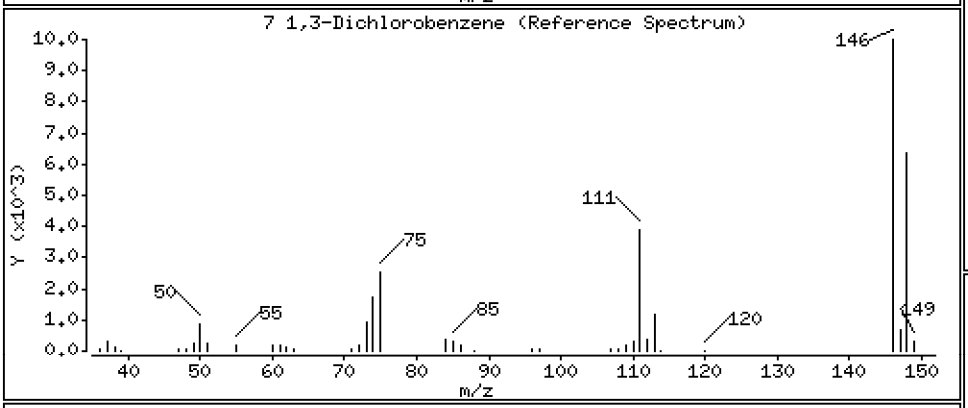
Concentration: 2.668 ug/mL

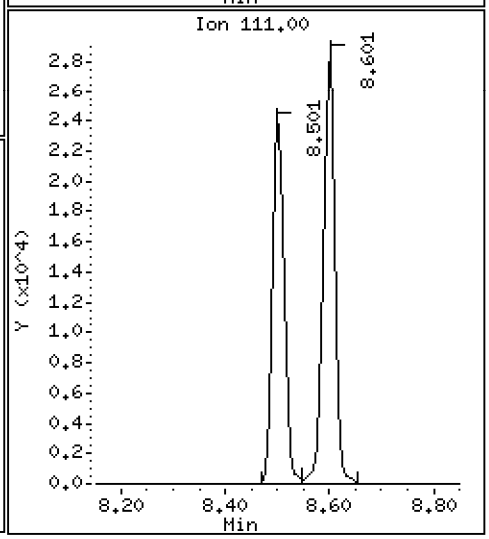


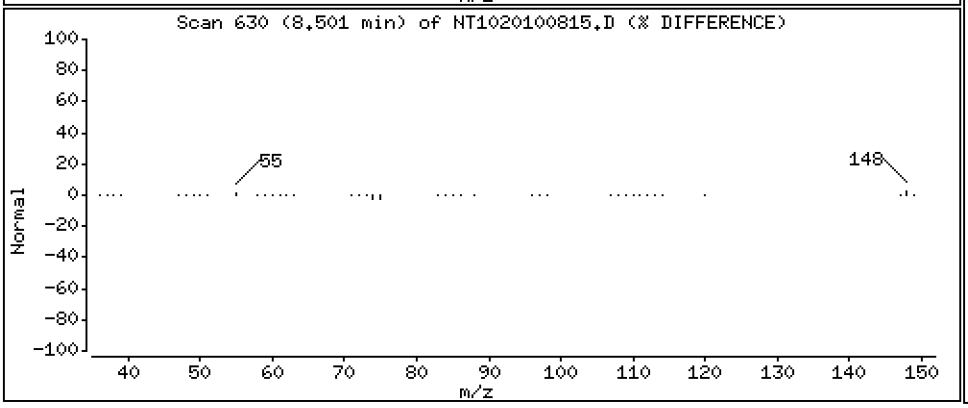












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

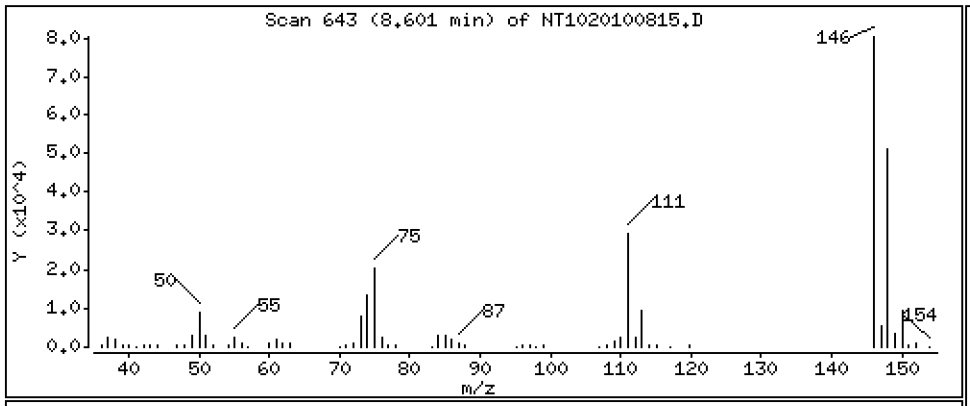
Operator: VTS

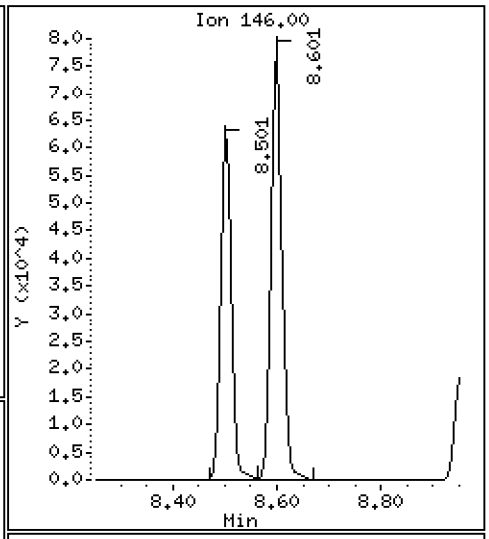
Column phase: ZB-5msi

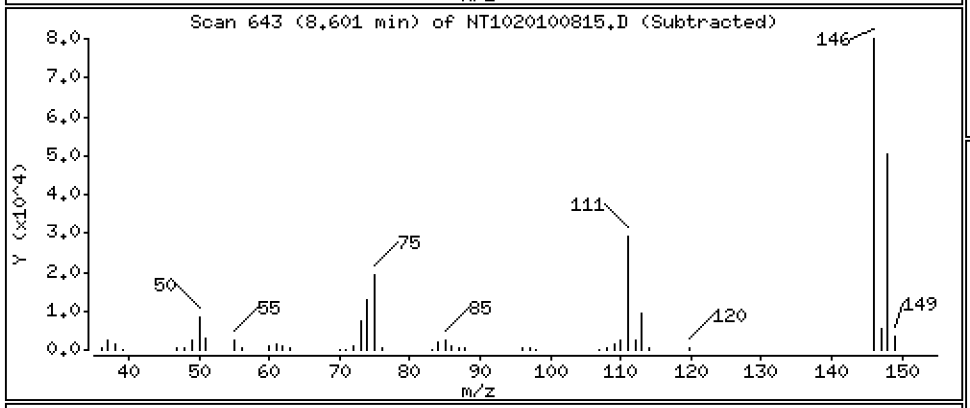
Column diameter: 0.25

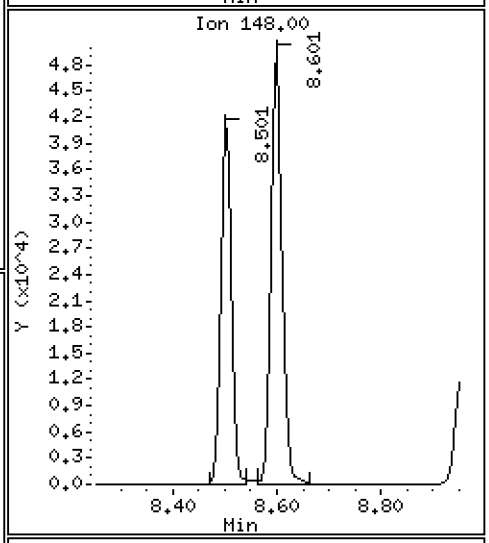
9 1,4-Dichlorobenzene

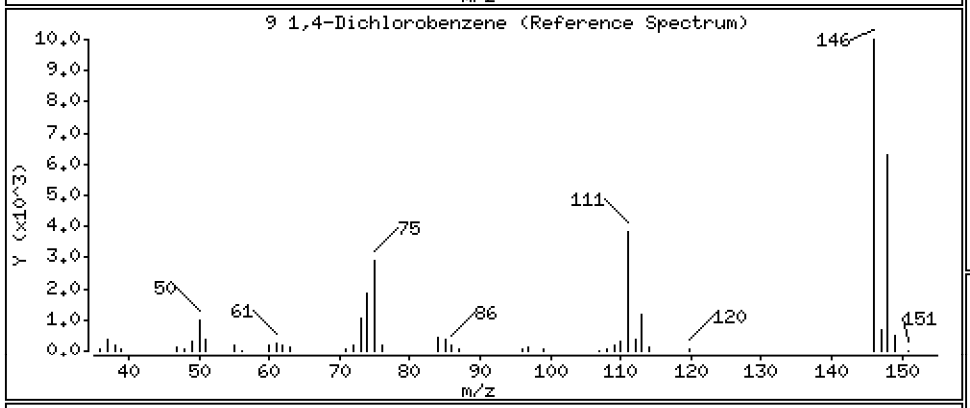
Concentration: 3.695 ug/mL

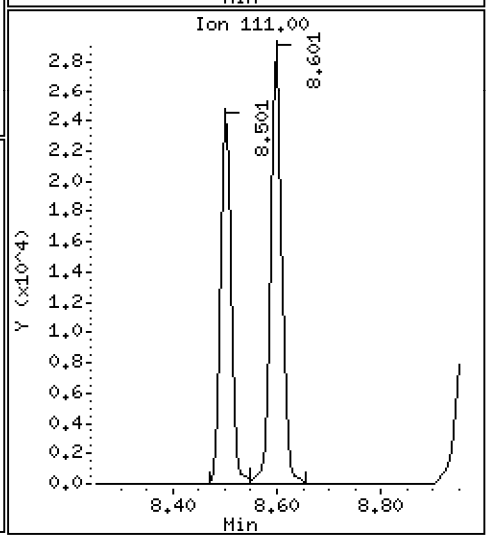


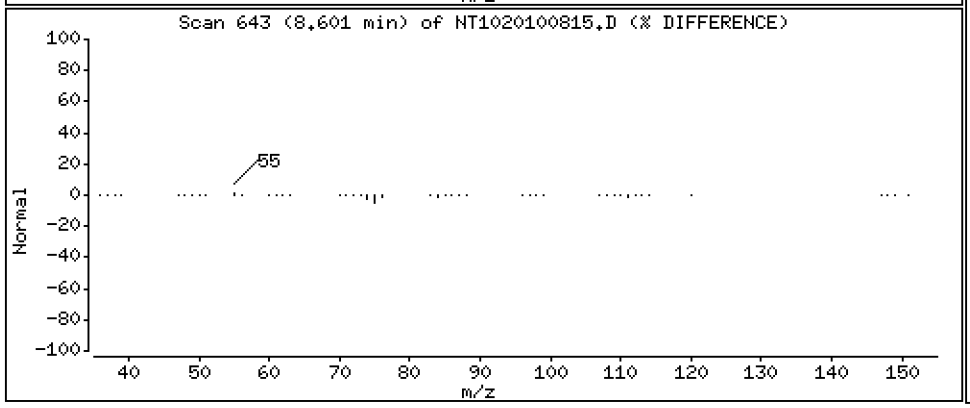












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

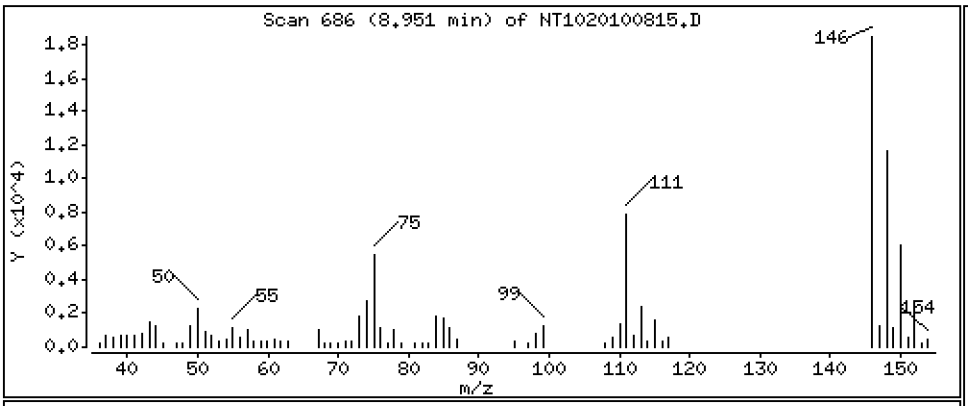
Operator: VTS

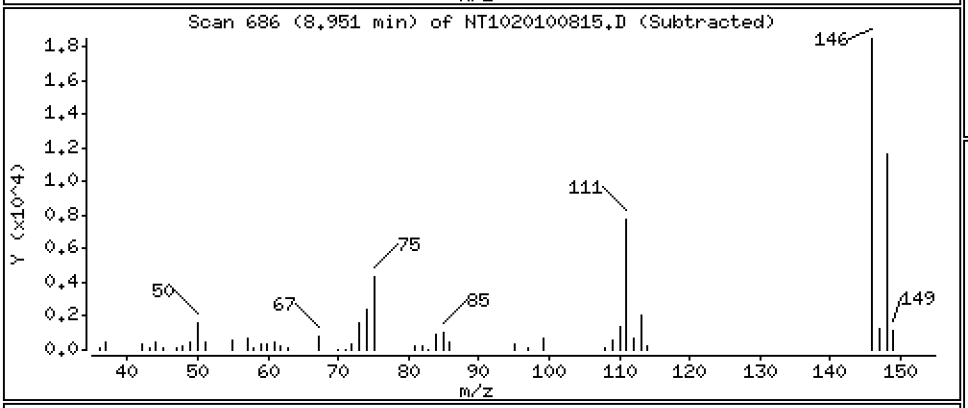
Column phase: ZB-5msi

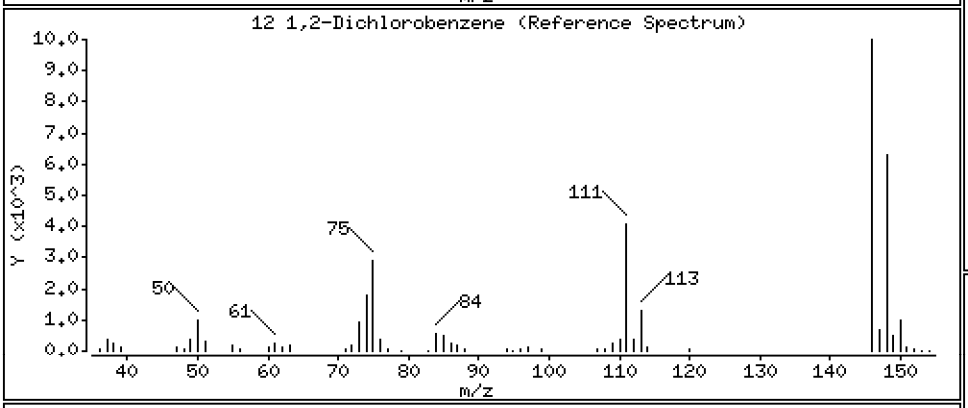
Column diameter: 0.25

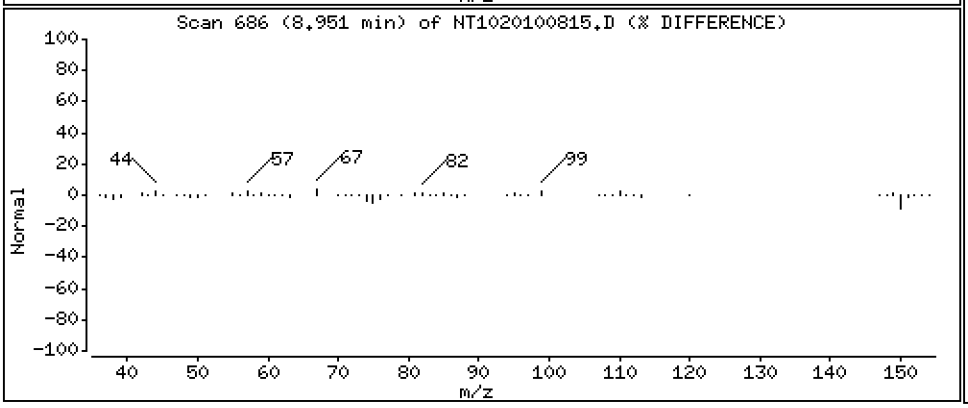
12 1,2-Dichlorobenzene

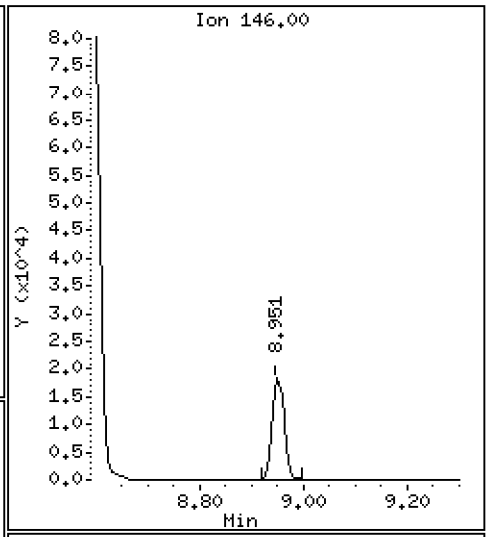
Concentration: 0.8594 ug/mL

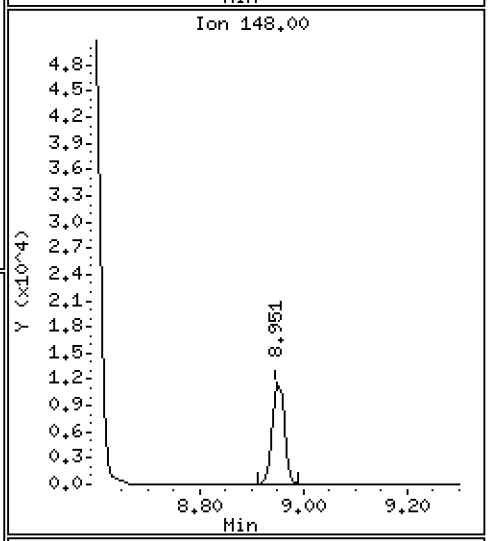


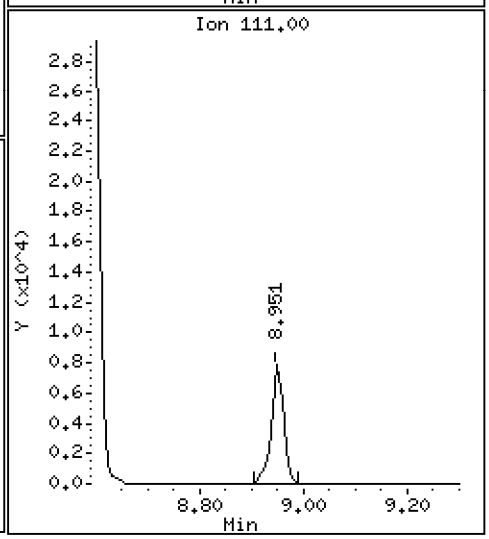












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

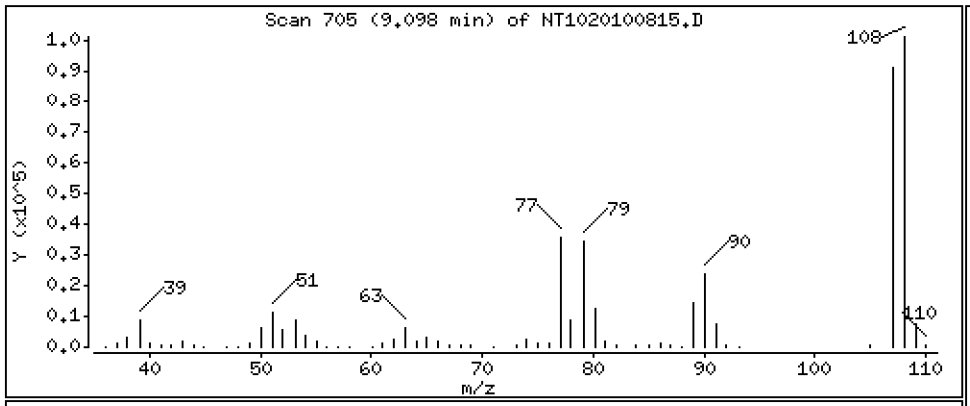
Client ID: Instrument: nt10.i

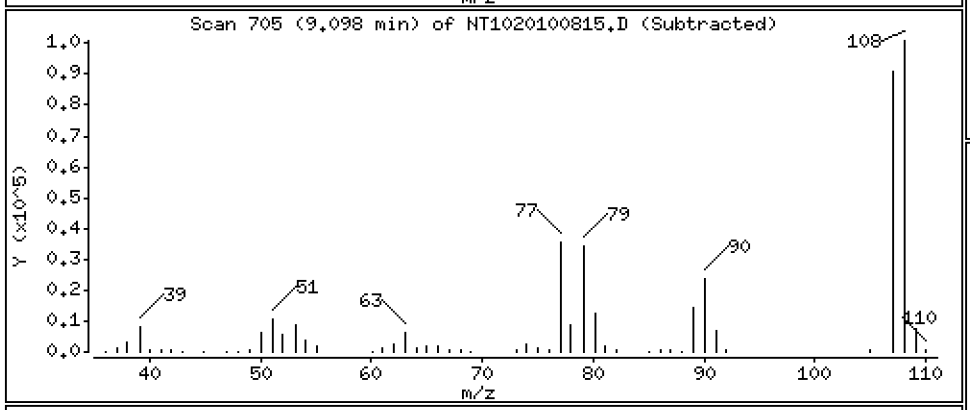
Sample Info: BIJ0046-SRM1

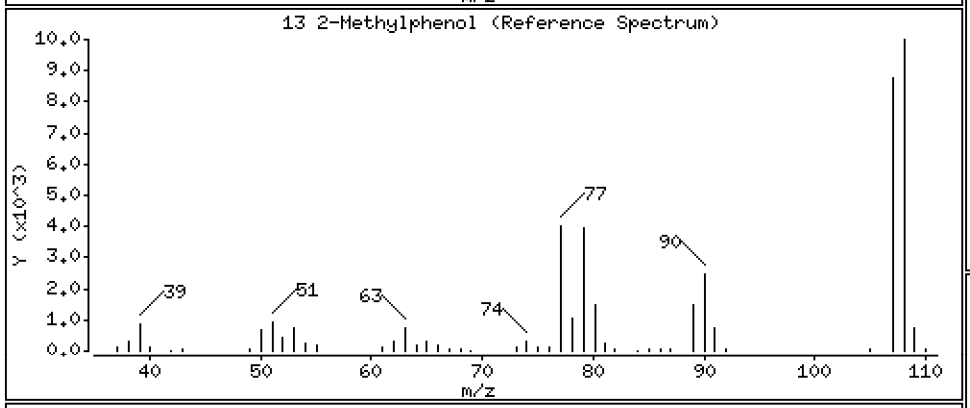
Operator: VTS

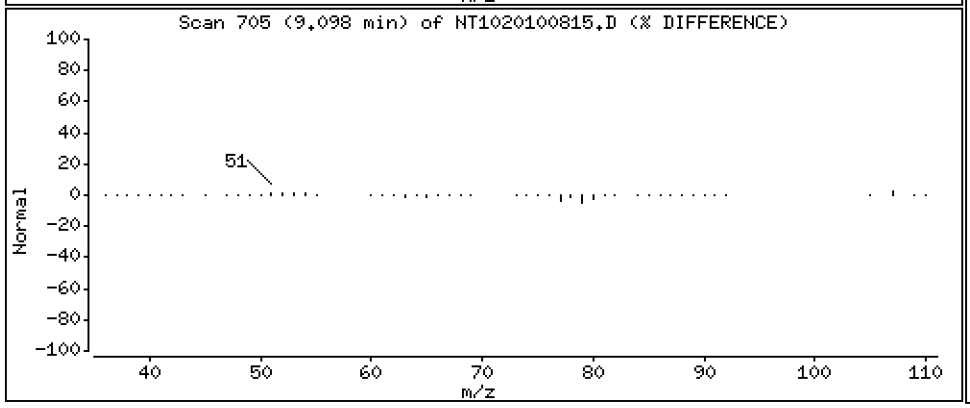
Column phase: ZB-5msi Column diameter: 0.25

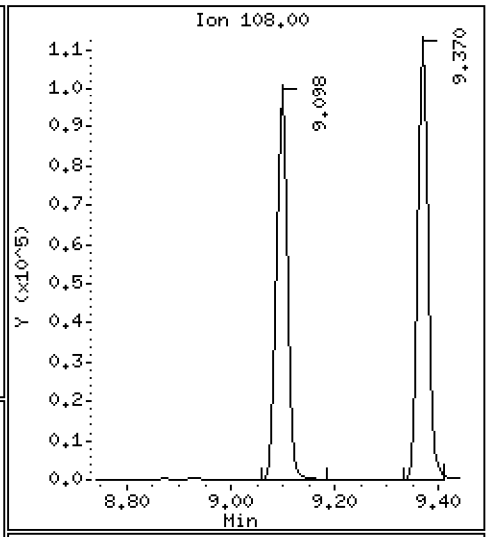
13 2-Methylphenol Concentration: 5.363 ug/mL

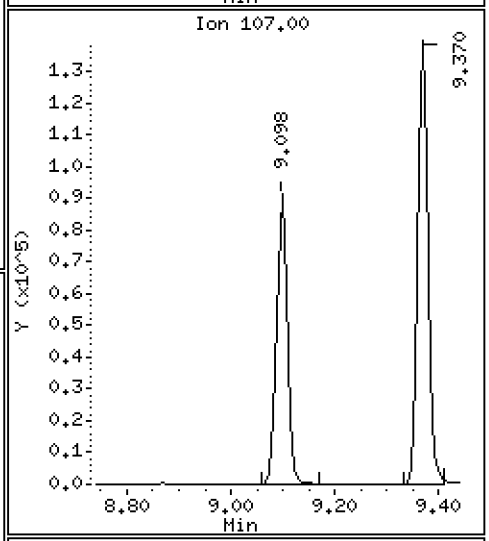


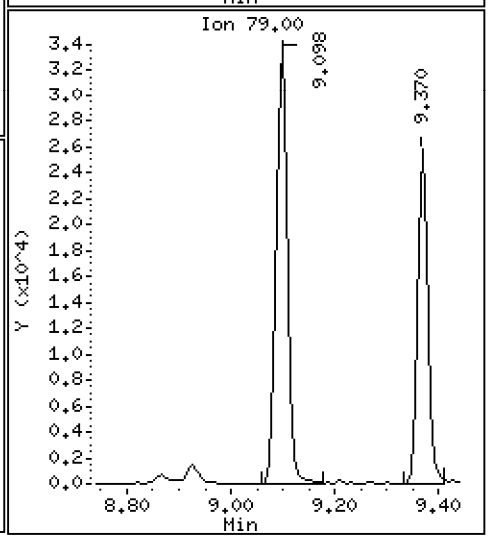












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

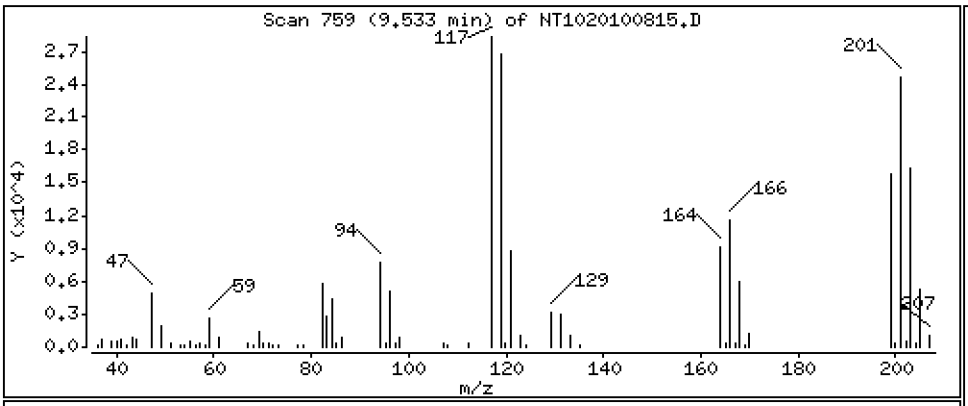
Client ID: Instrument: nt10.i

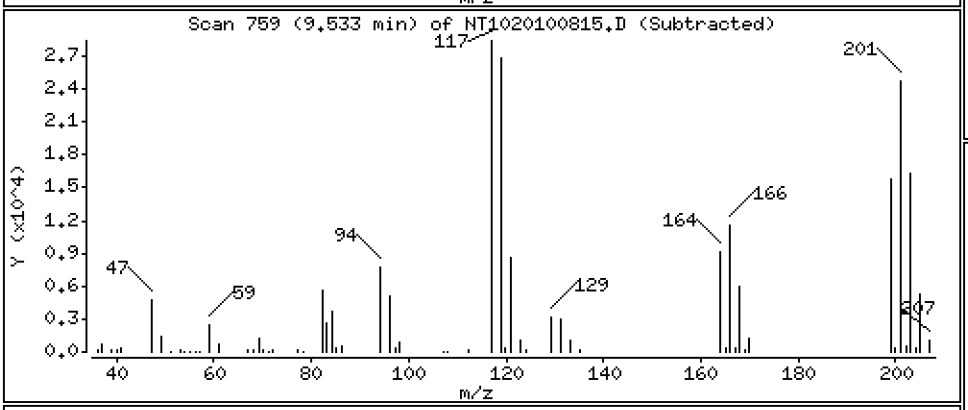
Sample Info: BIJ0046-SRM1

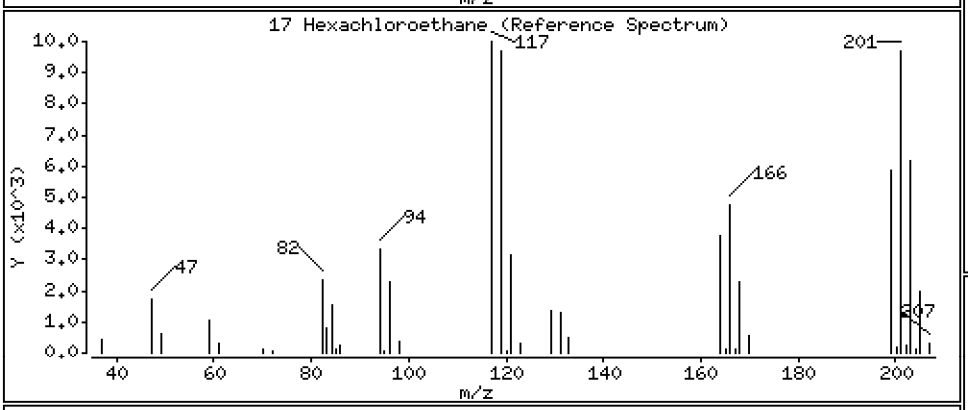
Operator: VTS

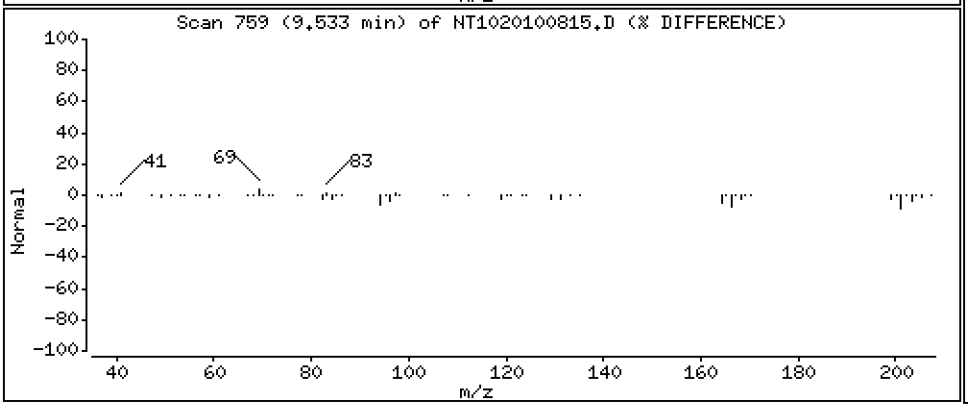
Column phase: ZB-5msi Column diameter: 0.25

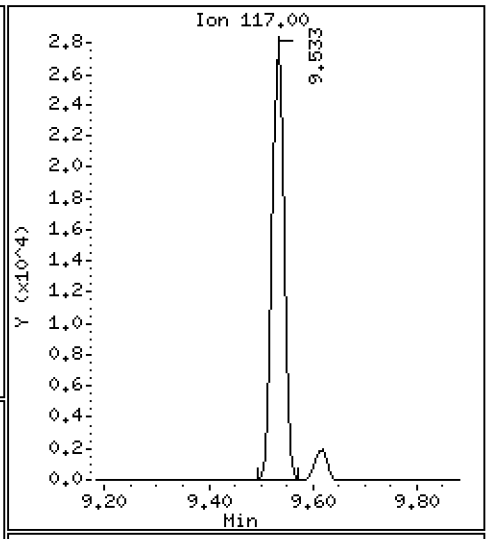
17 Hexachloroethane Concentration: 3.169 ug/mL

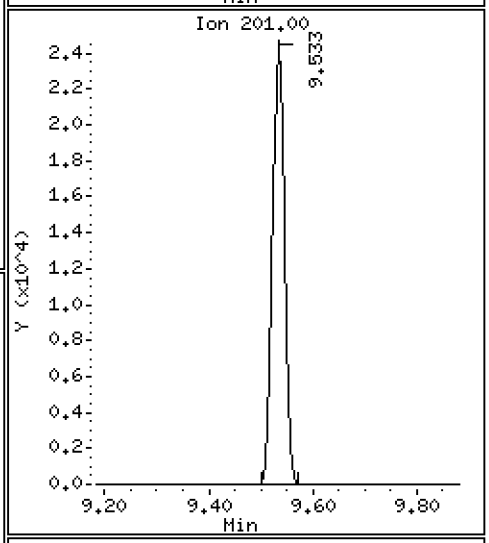


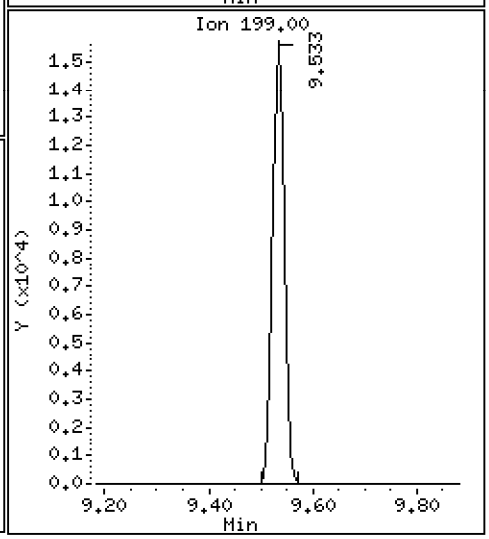












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

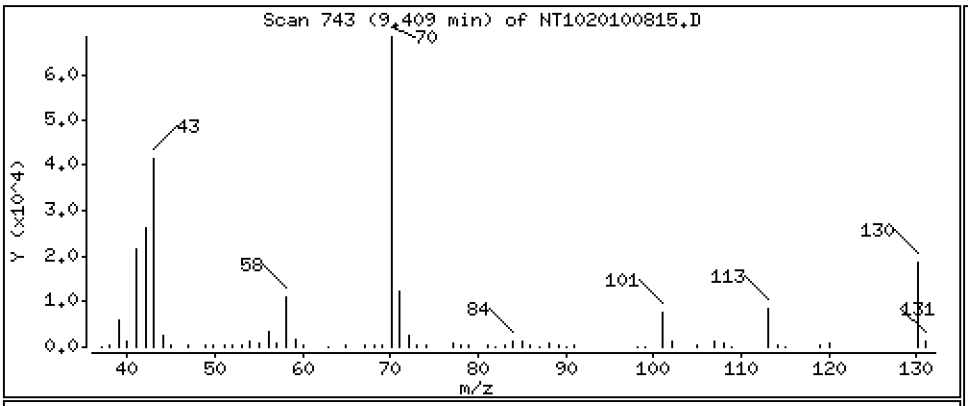
Operator: VTS

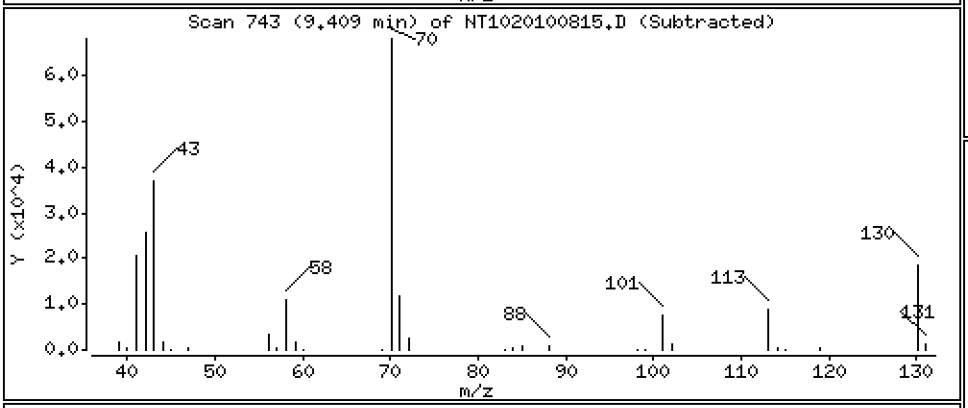
Column phase: ZB-5msi

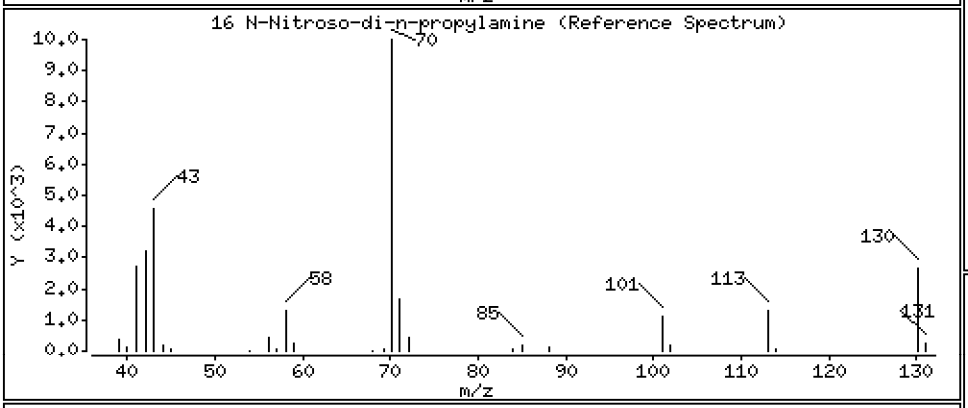
Column diameter: 0.25

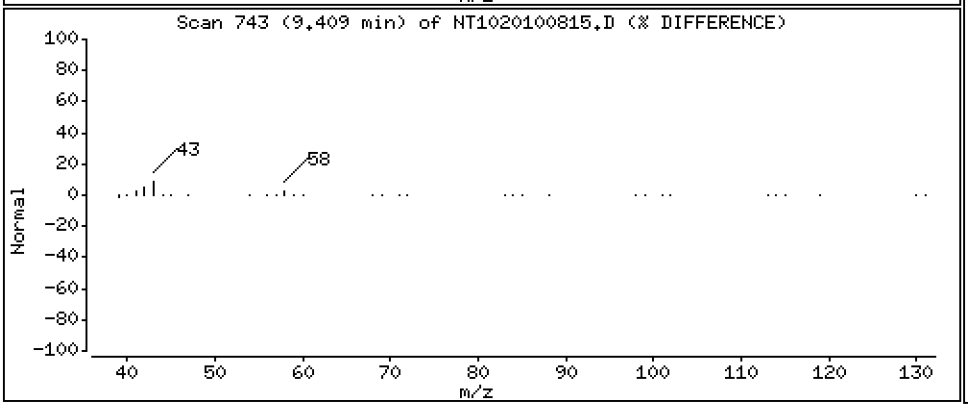
16 N-Nitroso-di-n-propylamine

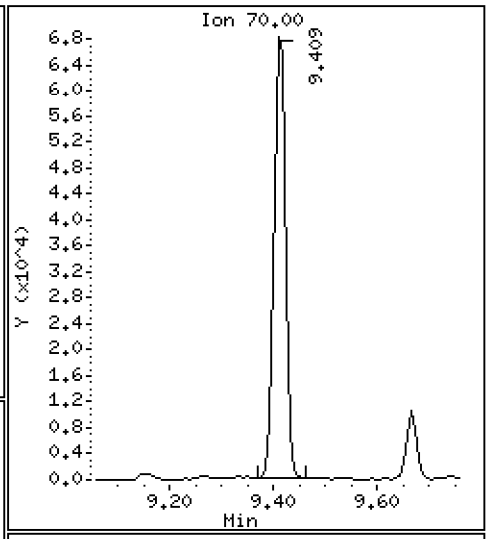
Concentration: 5.048 ug/mL

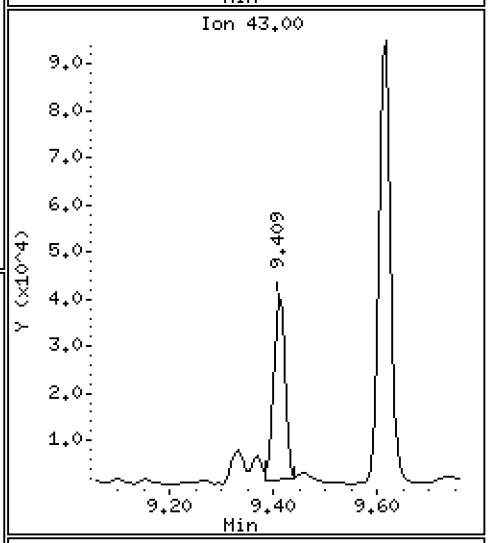


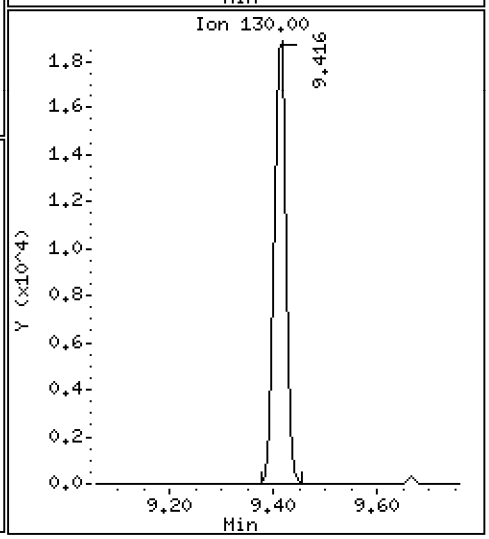












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

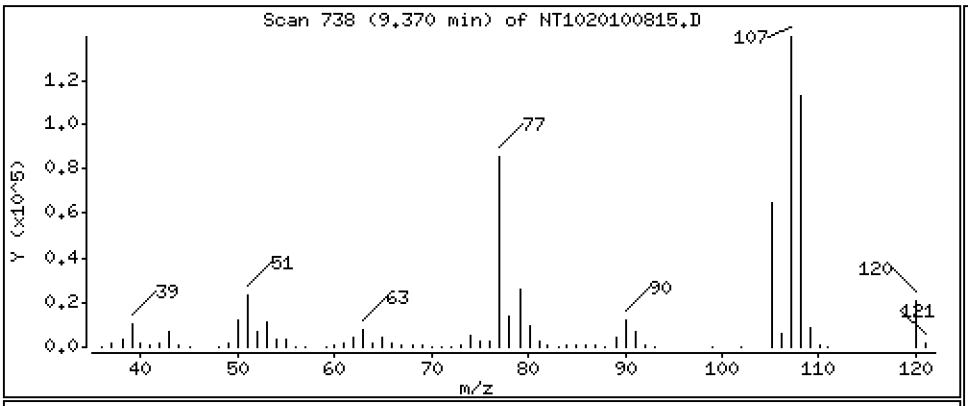
Operator: VTS

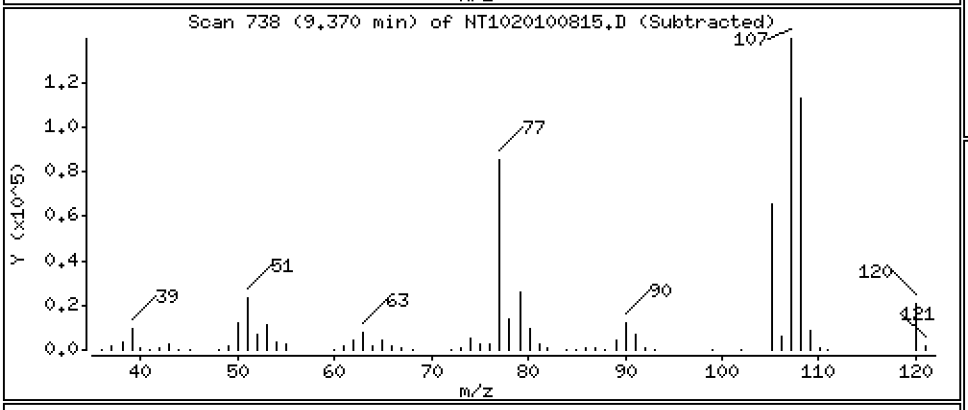
Column phase: ZB-5msi

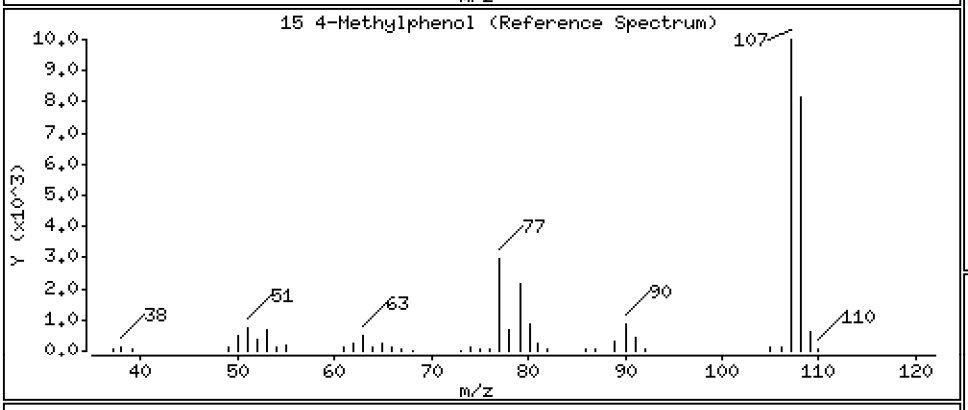
Column diameter: 0.25

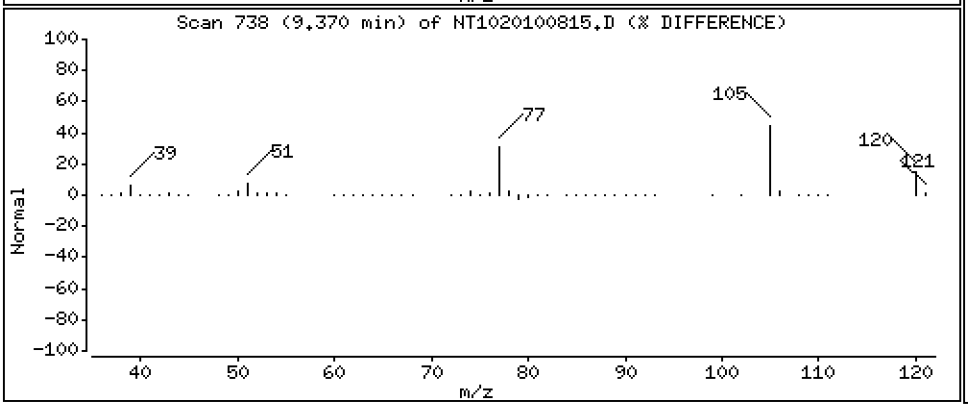
15 4-Methylphenol

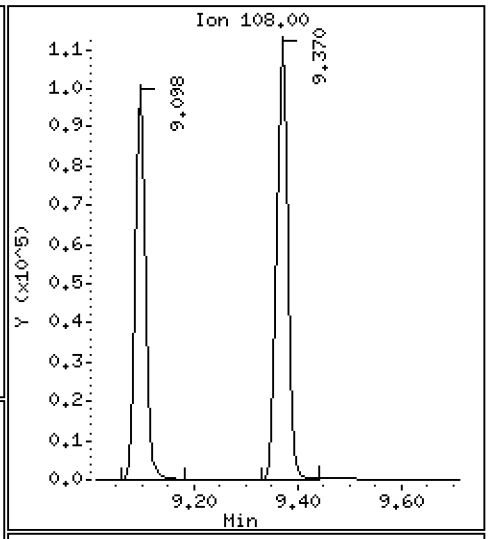
Concentration: 5.685 ug/mL

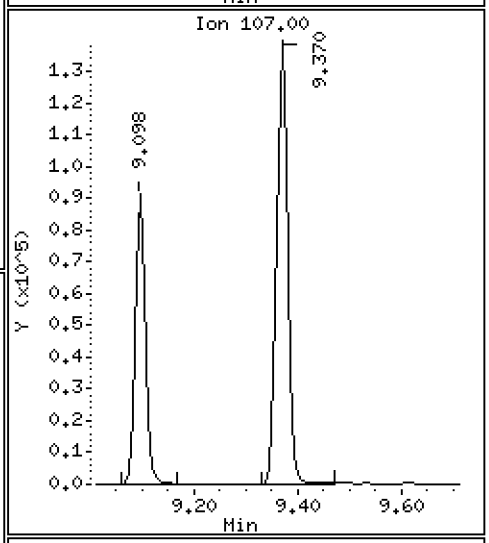


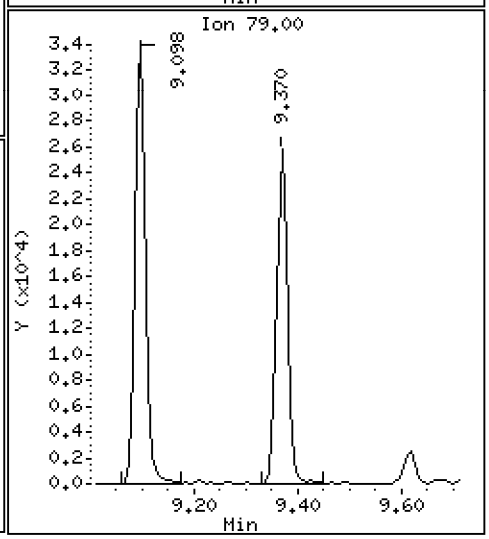












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

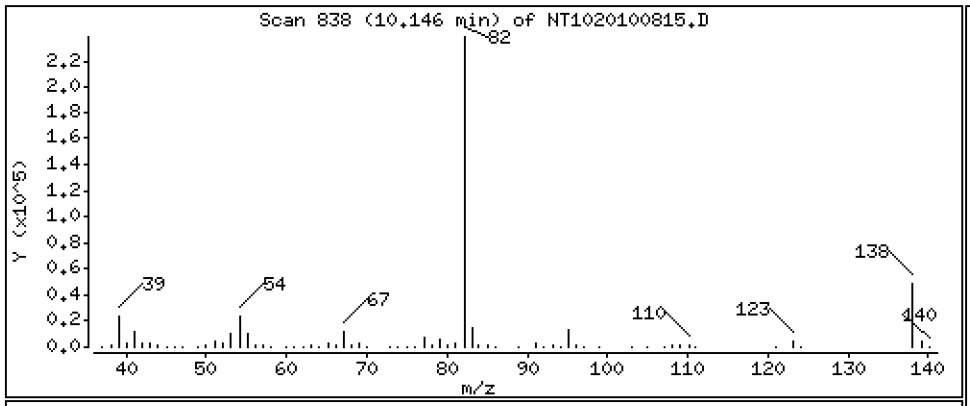
Operator: VTS

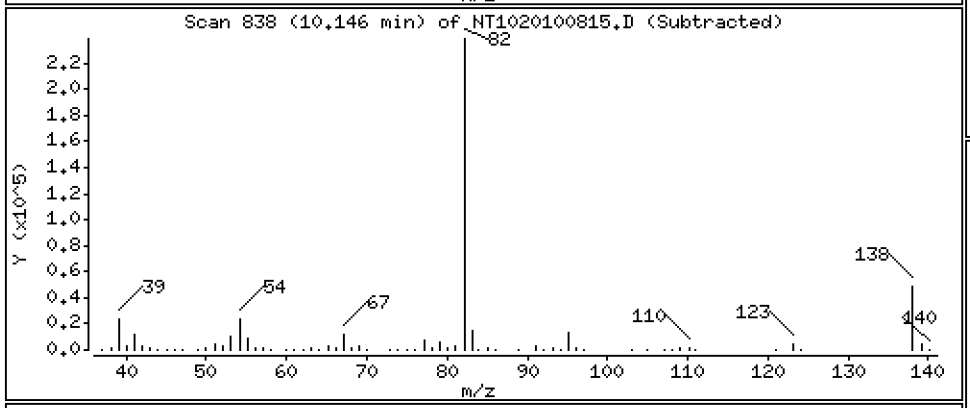
Column phase: ZB-5msi

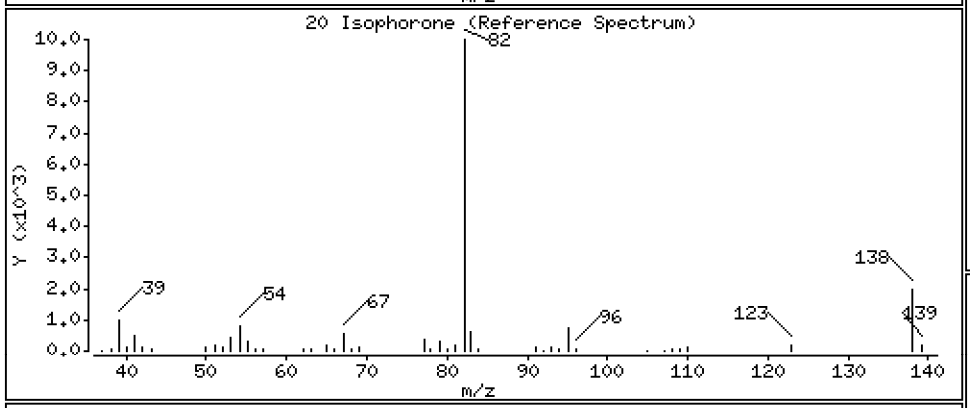
Column diameter: 0.25

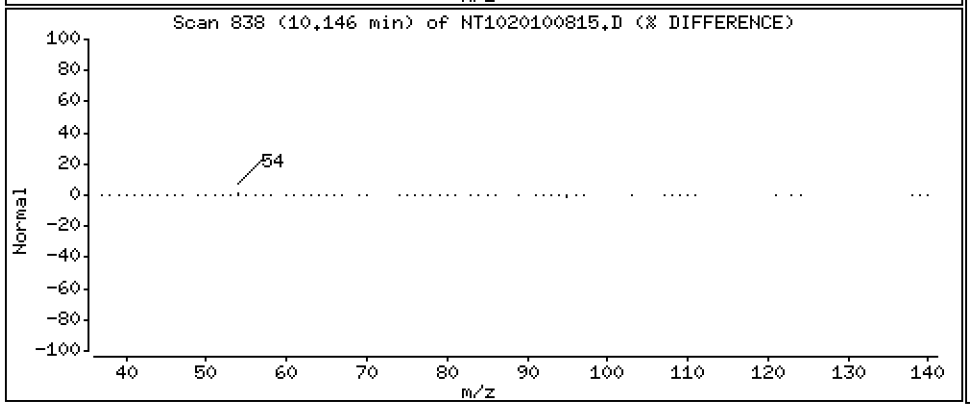
20 Isophorone

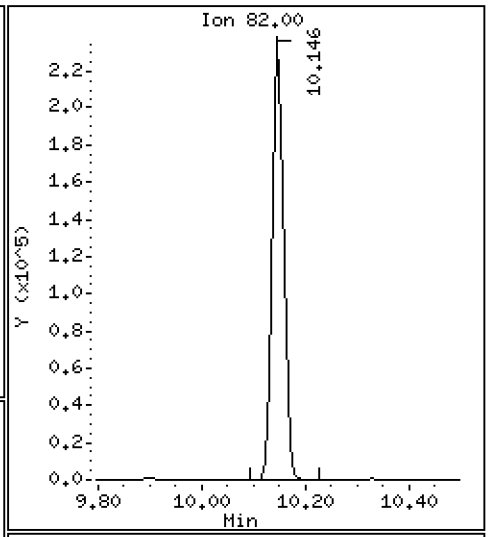
Concentration: 6.267 ug/mL

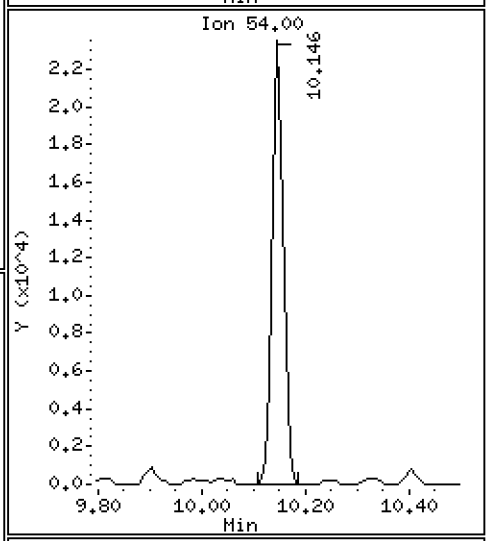


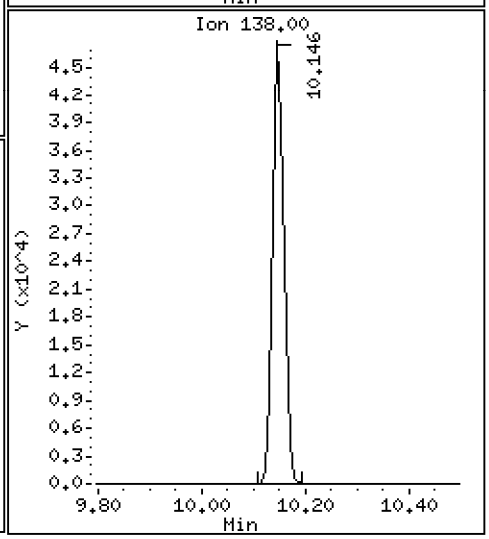












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

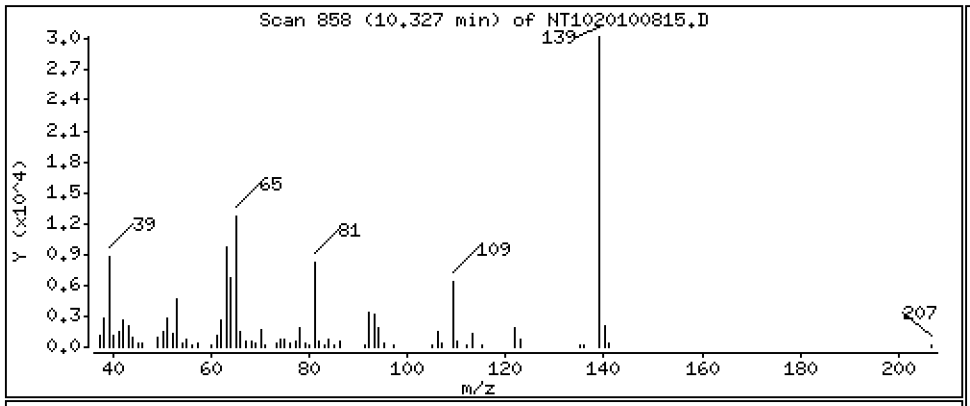
Operator: VTS

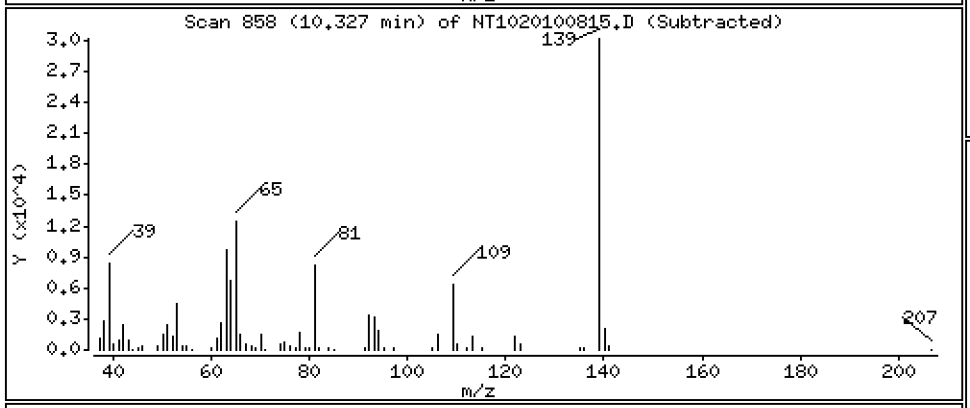
Column phase: ZB-5msi

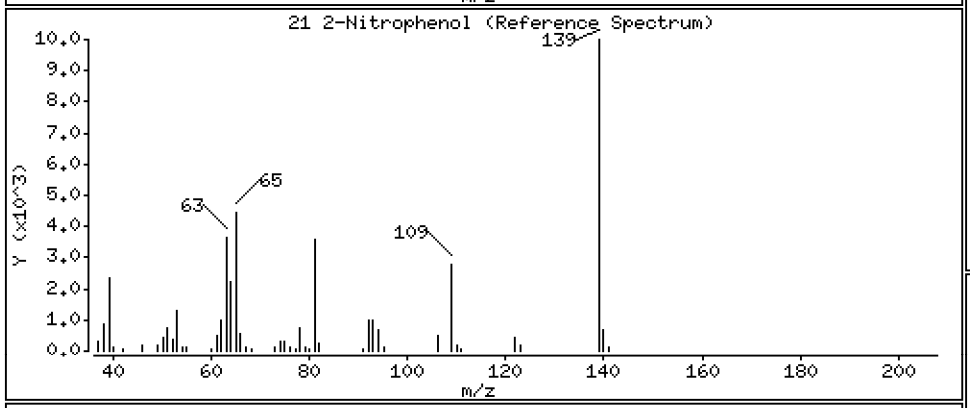
Column diameter: 0.25

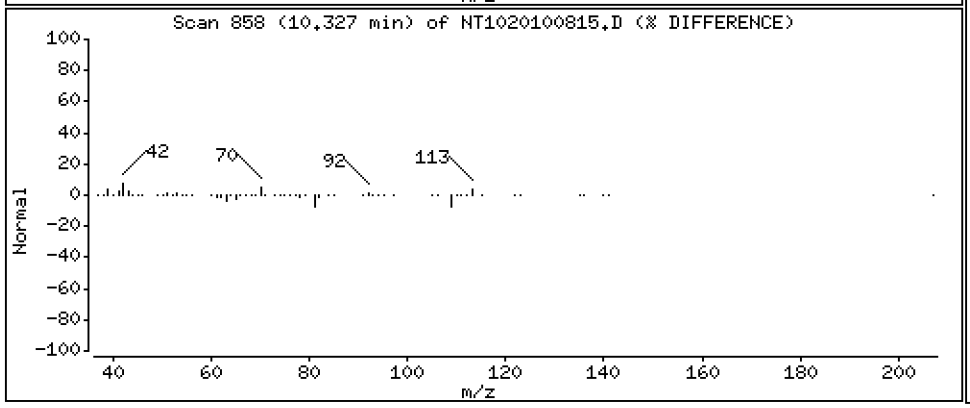
21 2-Nitrophenol

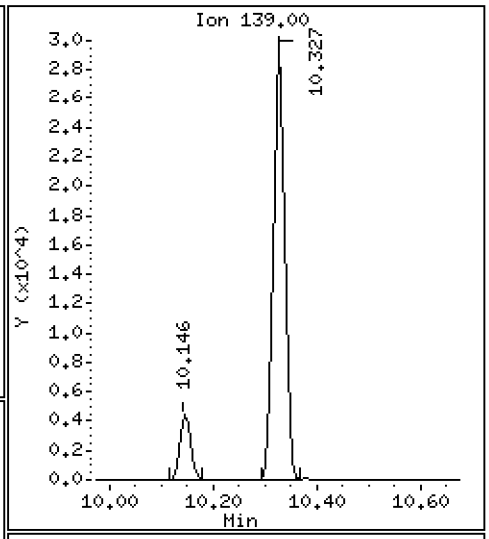
Concentration: 2.314 ug/mL

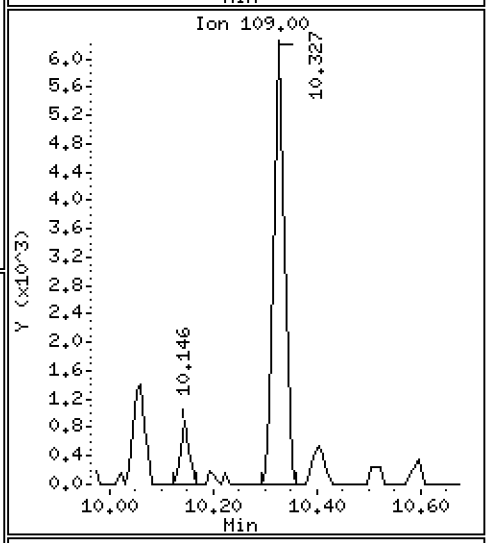


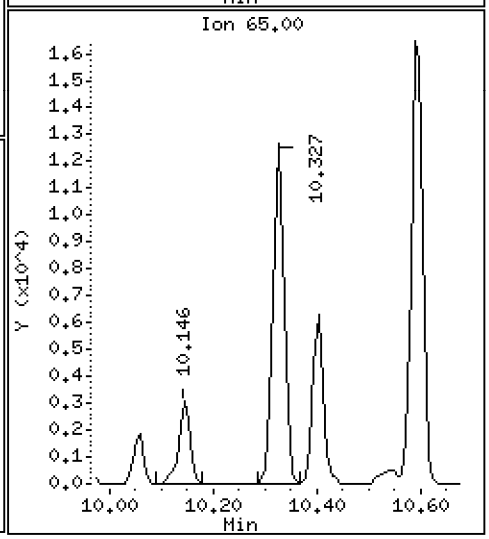












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

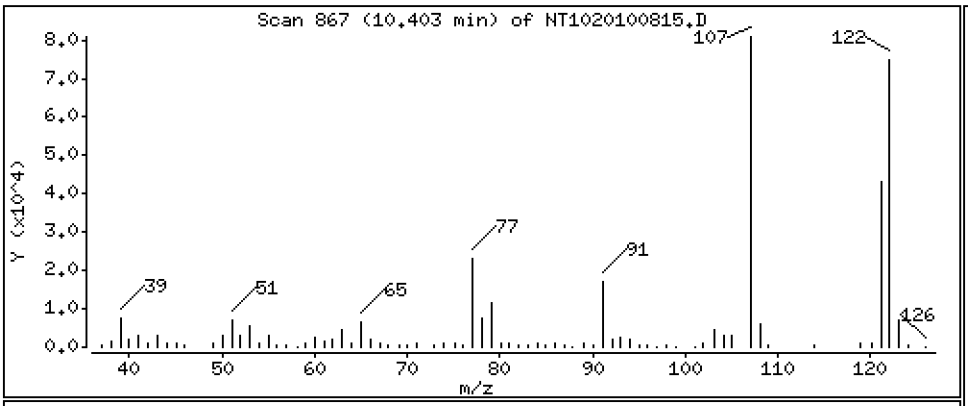
Operator: VTS

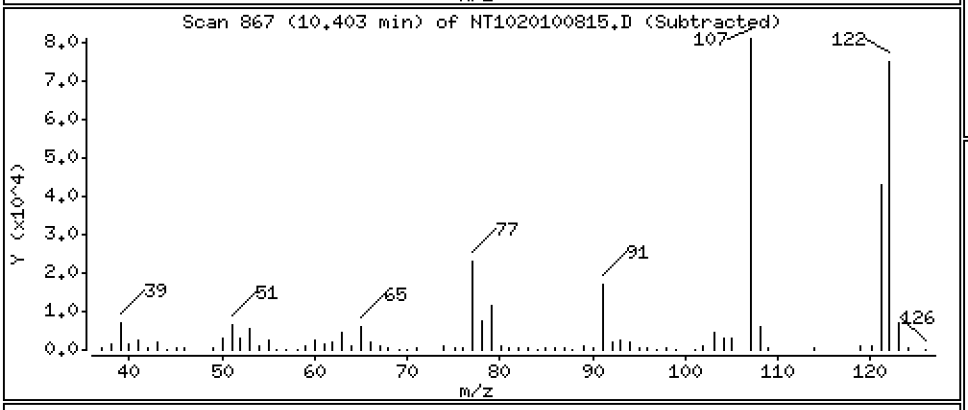
Column phase: ZB-5msi

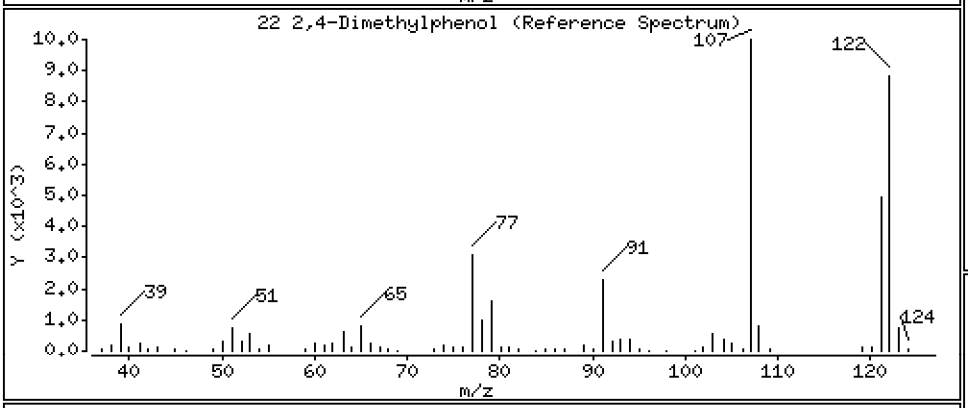
Column diameter: 0.25

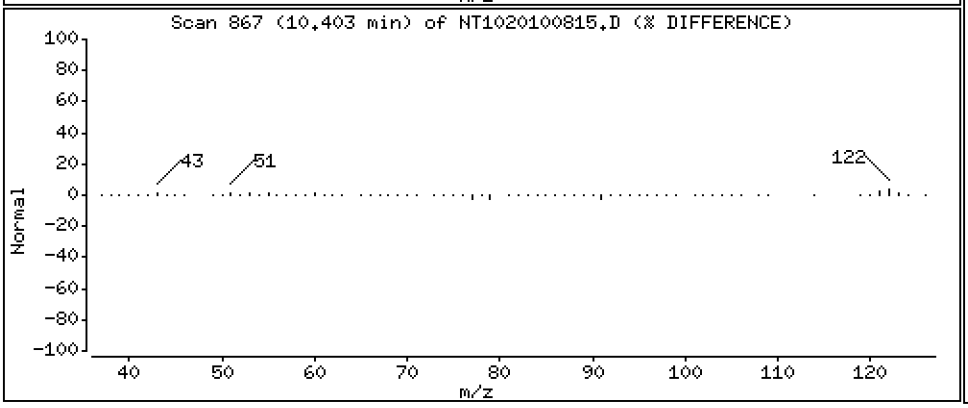
22 2,4-Dimethylphenol

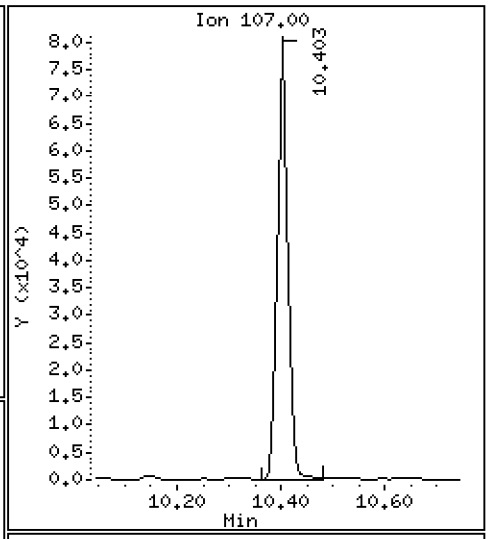
Concentration: 4.050 ug/mL

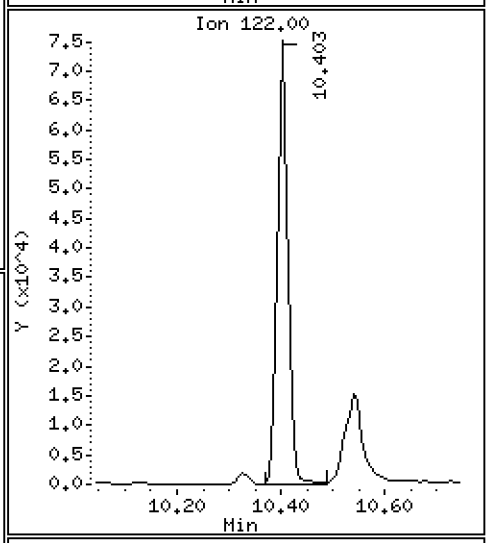


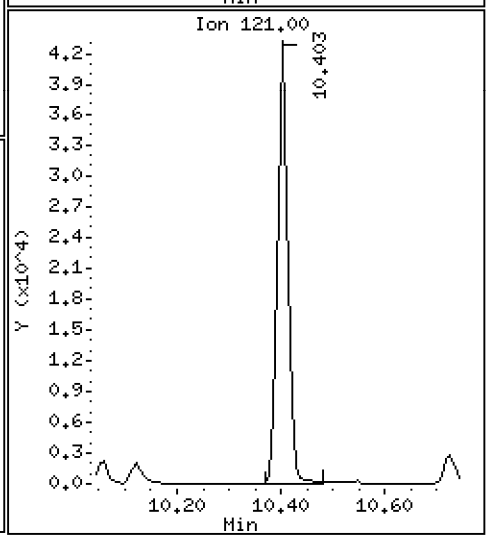












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

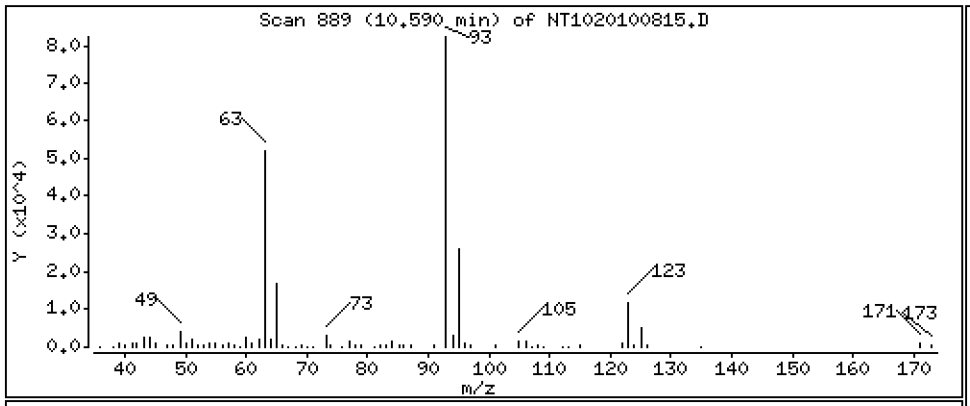
Operator: VTS

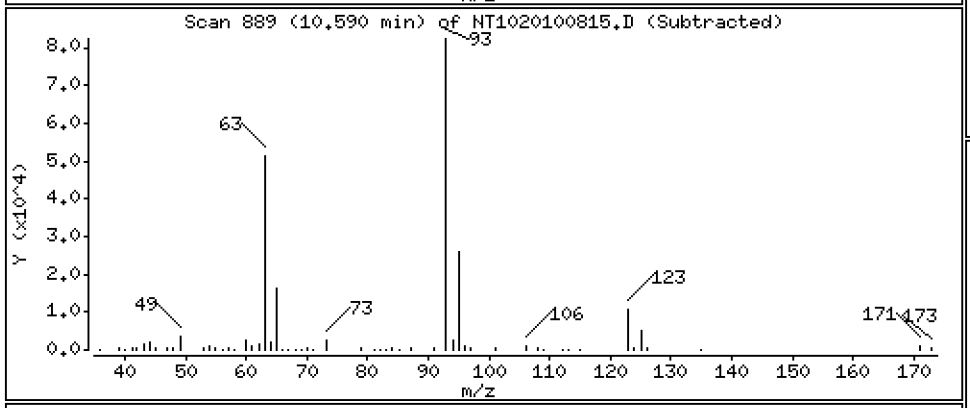
Column phase: ZB-5msi

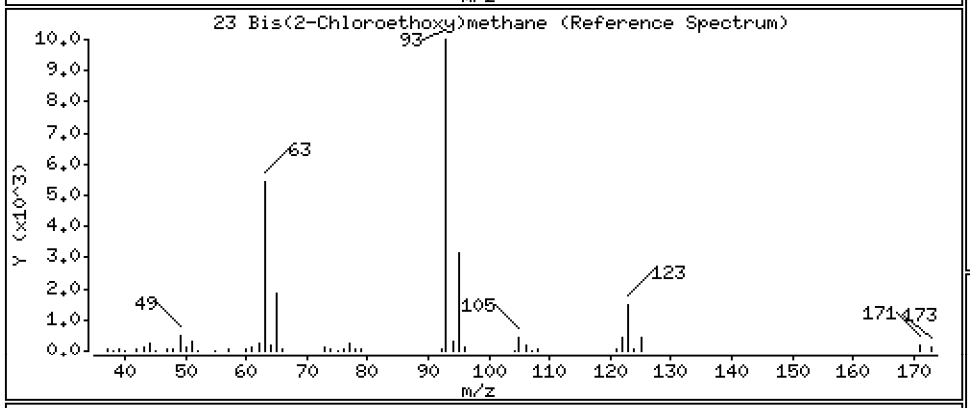
Column diameter: 0.25

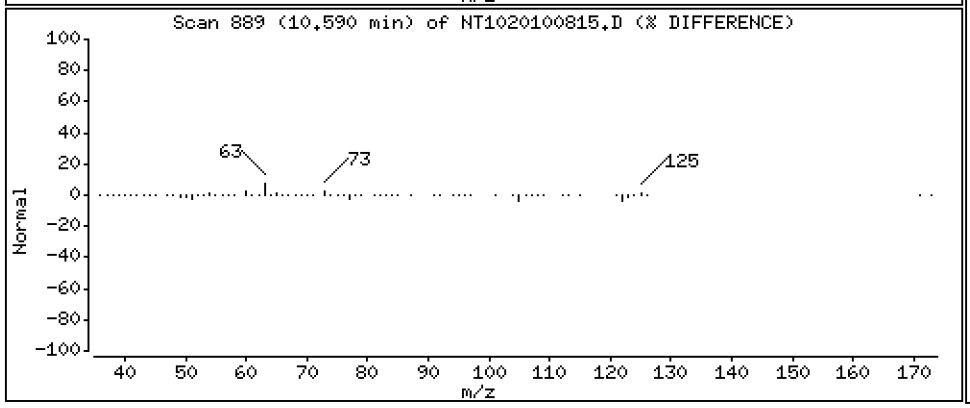
23 Bis(2-Chloroethoxy)methane

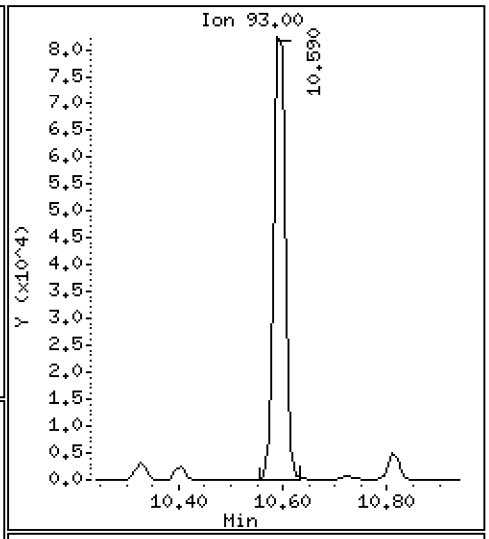
Concentration: 3.764 ug/mL

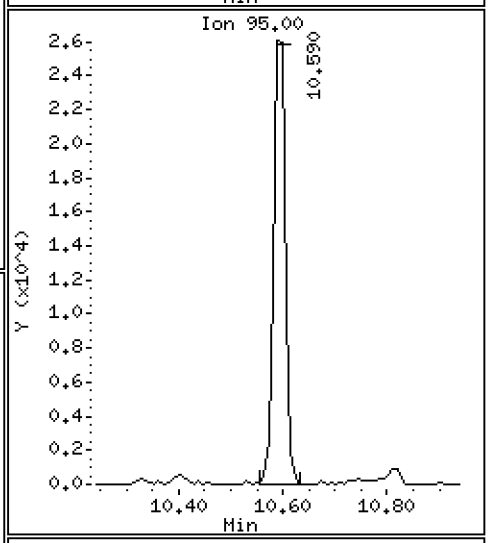


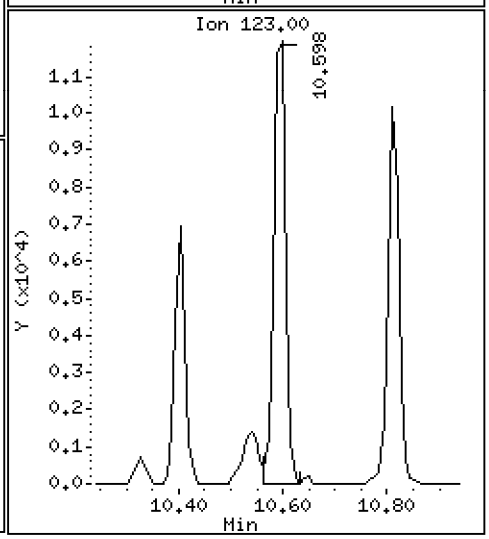












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

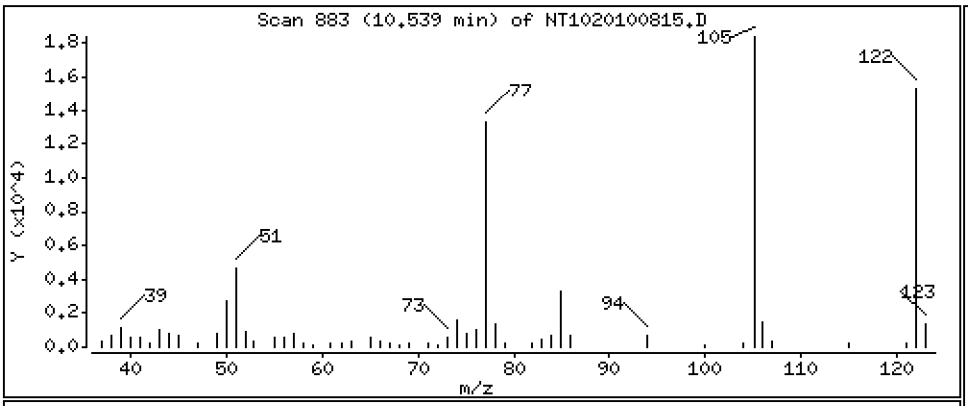
Operator: VTS

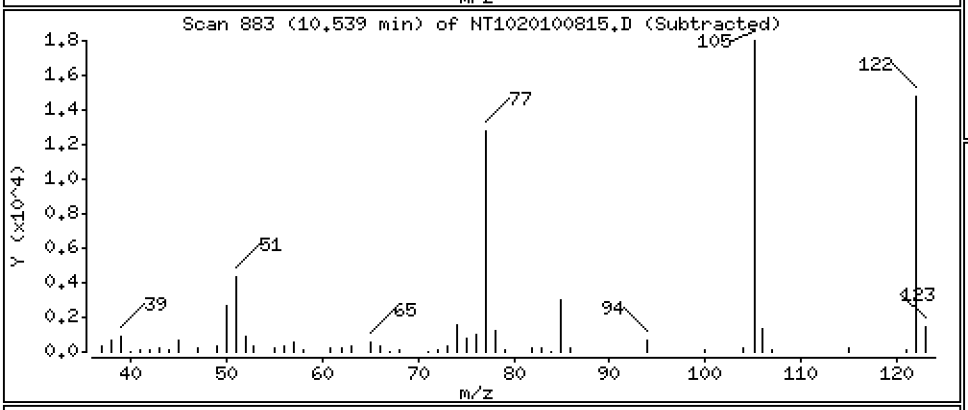
Column phase: ZB-5msi

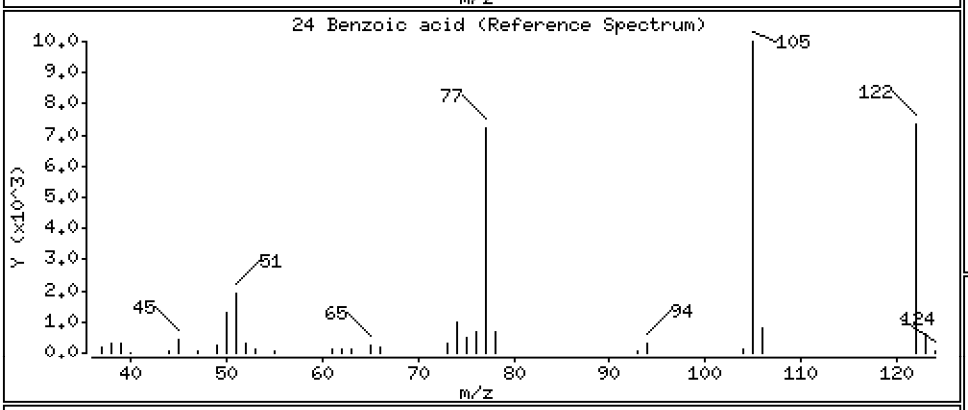
Column diameter: 0.25

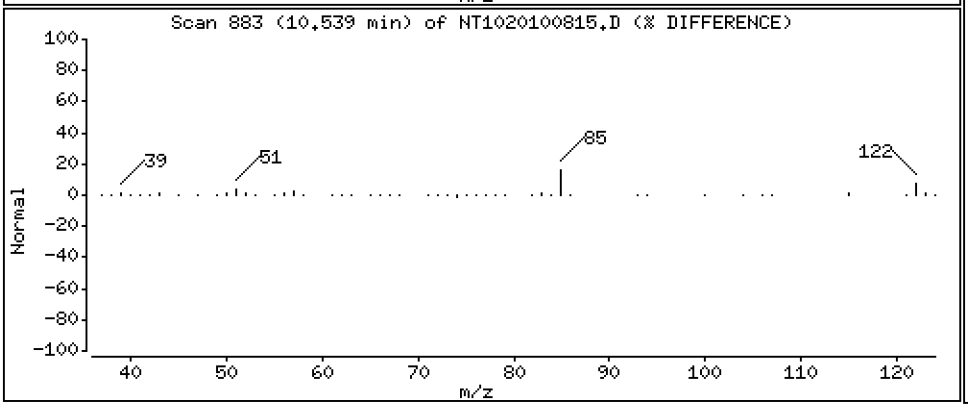
24 Benzoic acid

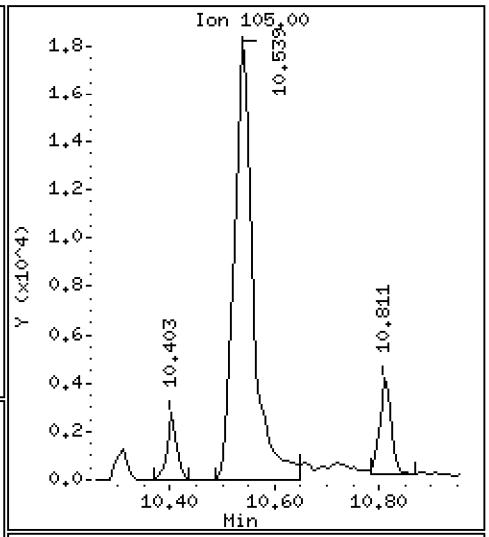
Concentration: 2.503 ug/mL

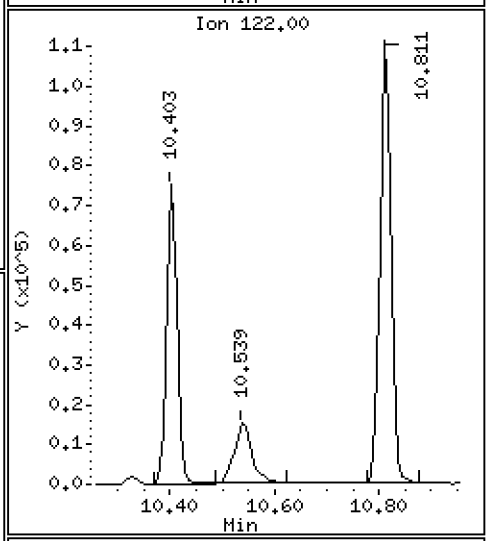


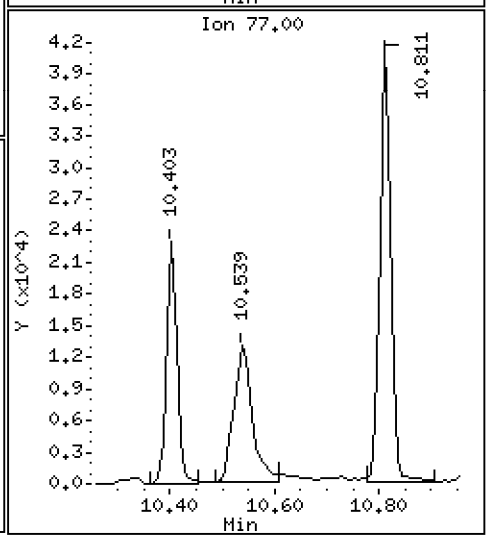












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

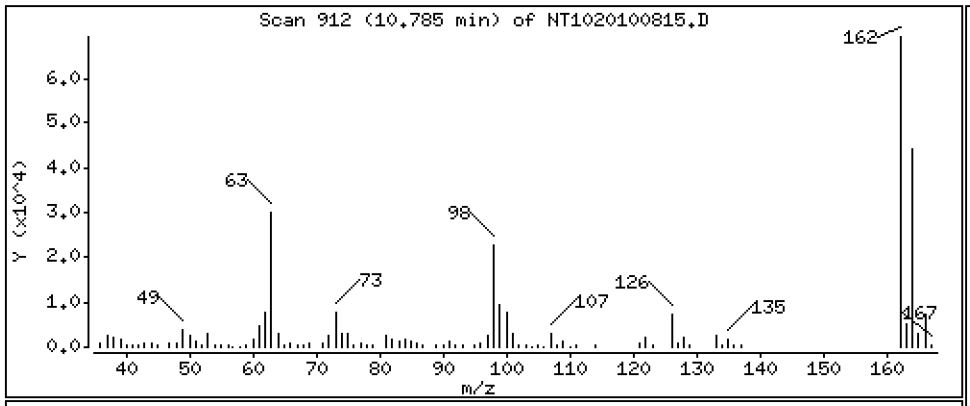
Operator: VTS

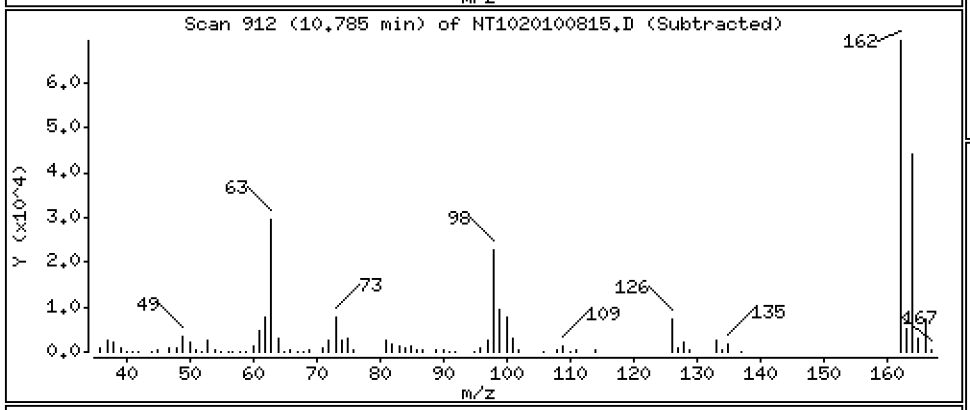
Column phase: ZB-5msi

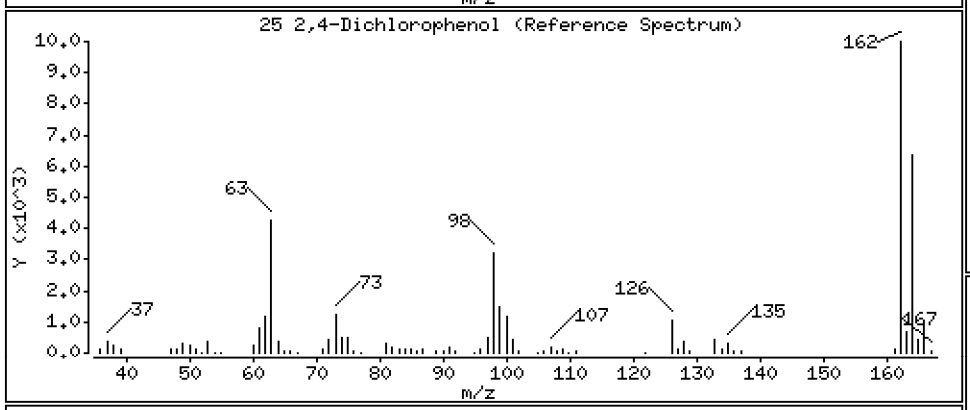
Column diameter: 0.25

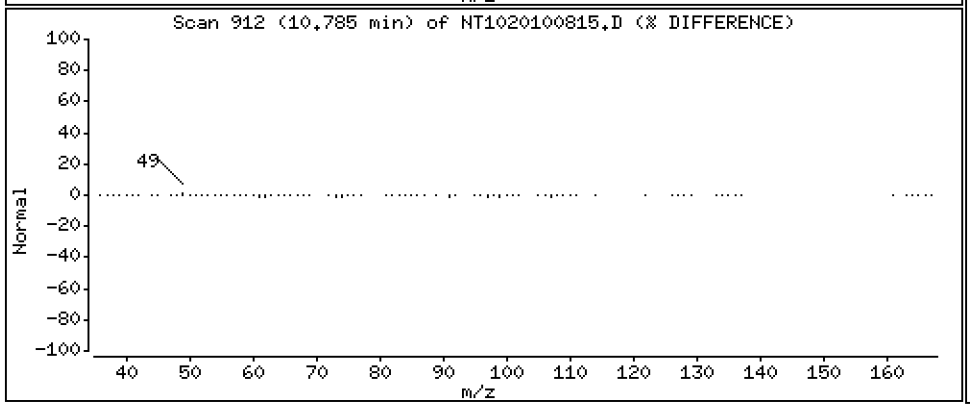
25 2,4-Dichlorophenol

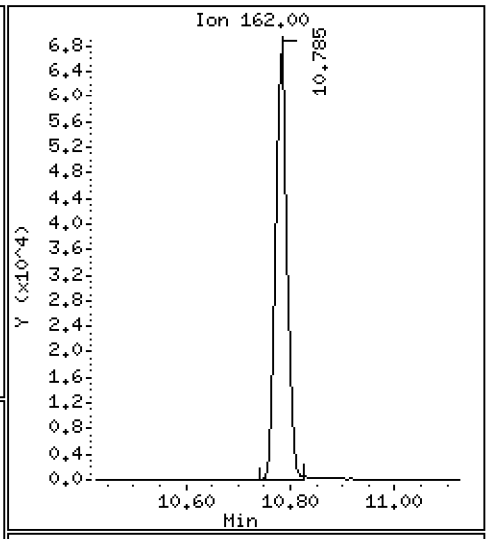
Concentration: 4.224 ug/mL

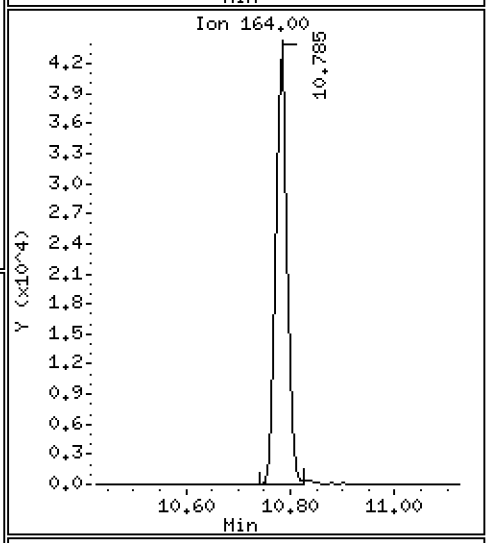


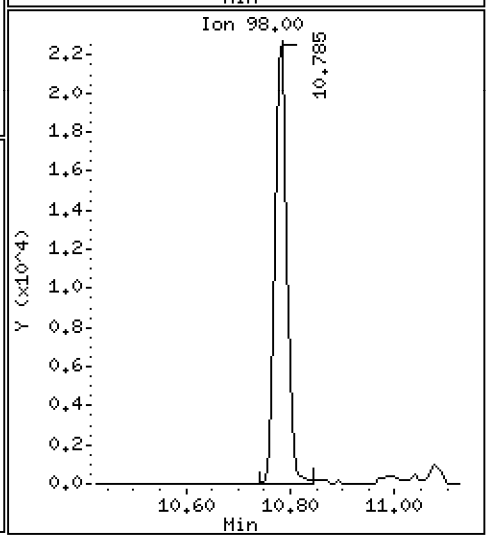












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

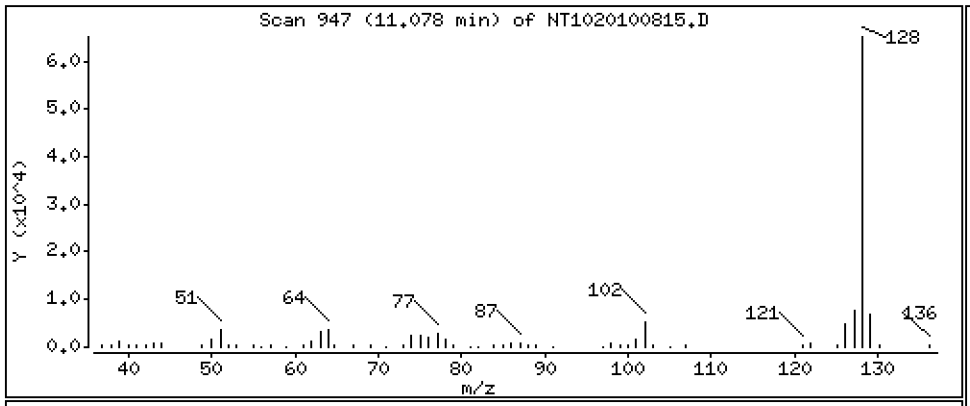
Operator: VTS

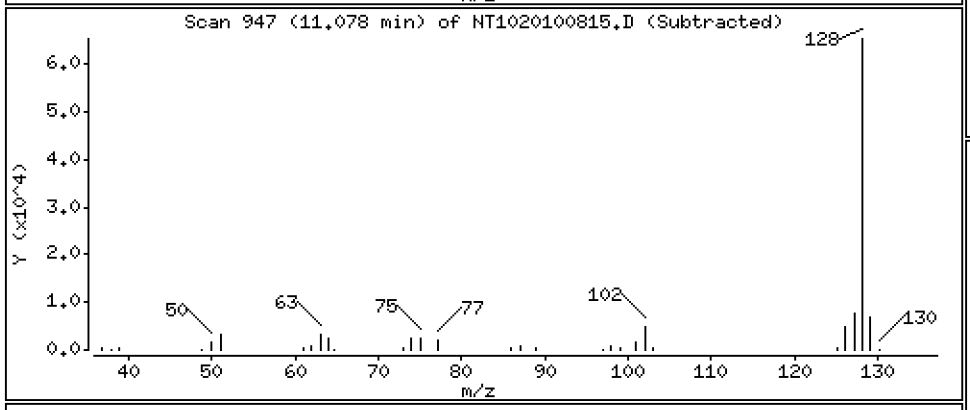
Column phase: ZB-5msi

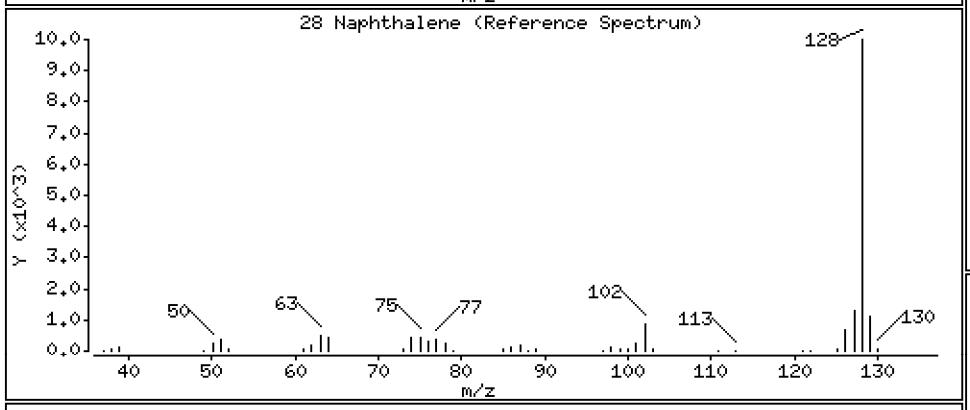
Column diameter: 0.25

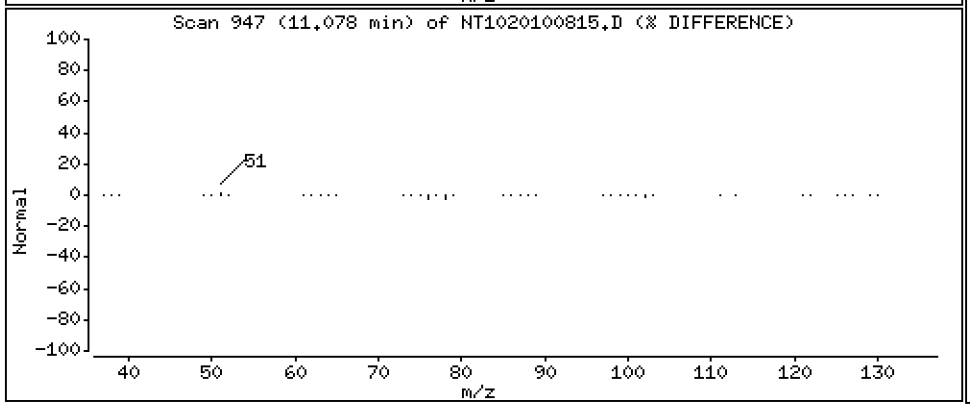
28 Naphthalene

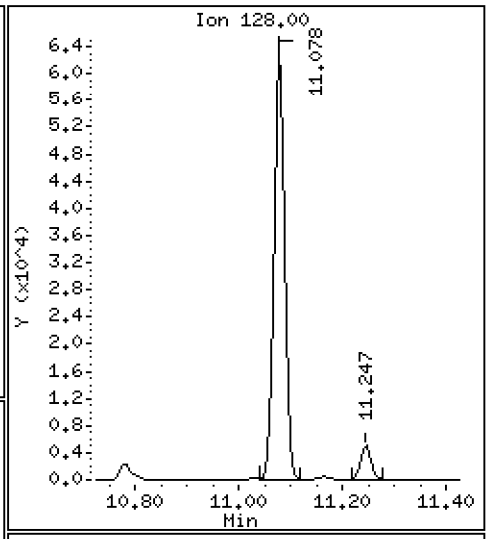
Concentration: 1.212 ug/mL

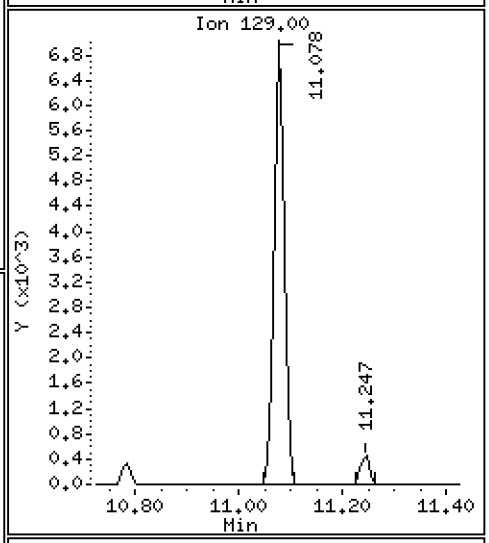


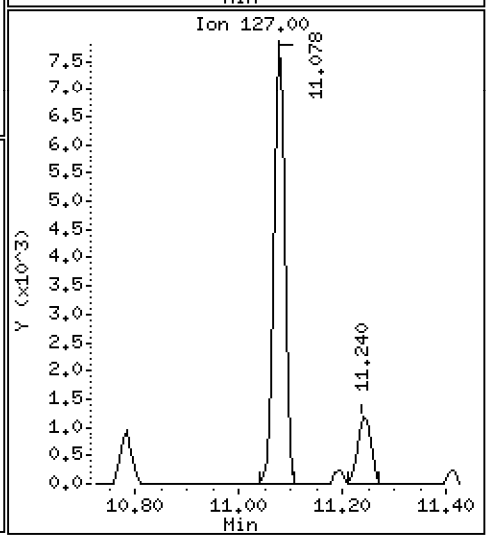












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

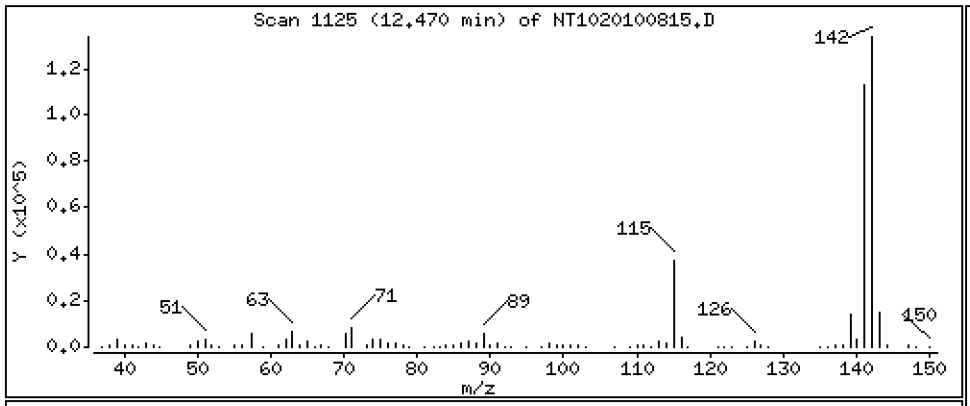
Operator: VTS

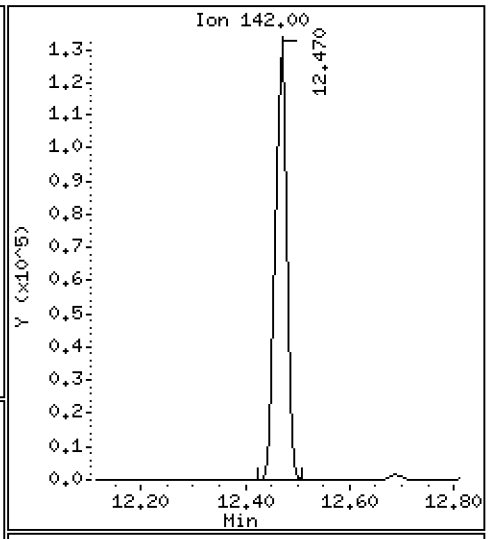
Column phase: ZB-5msi

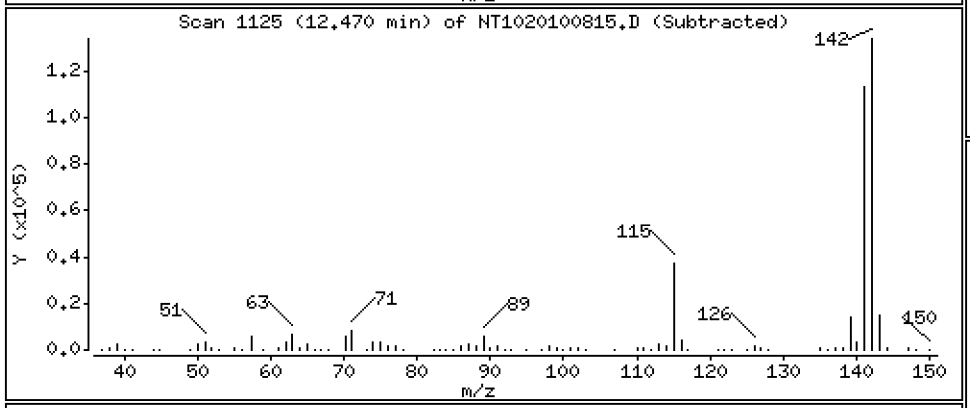
Column diameter: 0.25

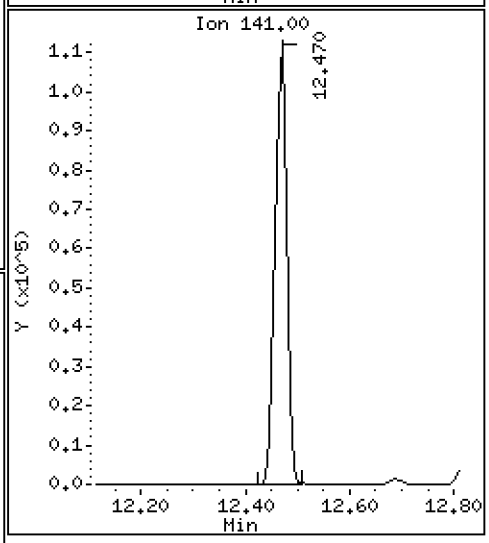
32 2-Methylnaphthalene

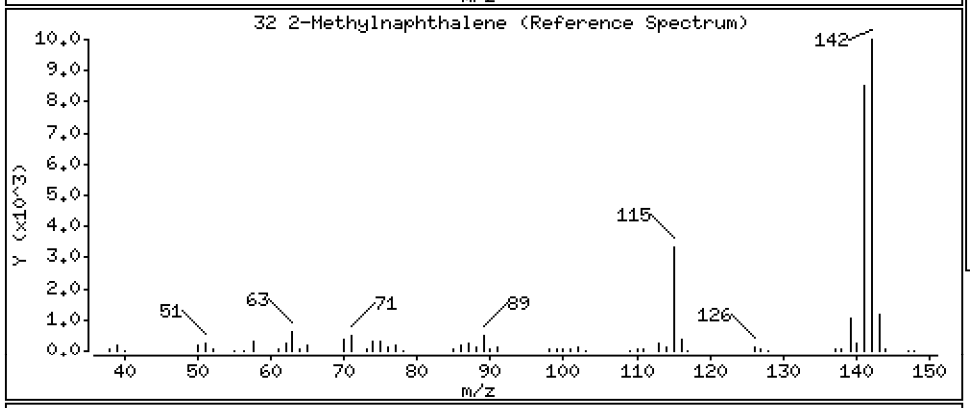
Concentration: 3.056 ug/mL

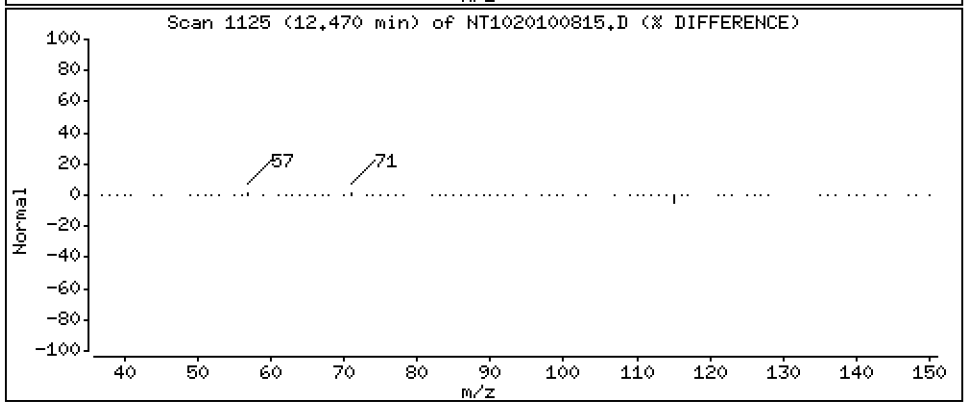












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

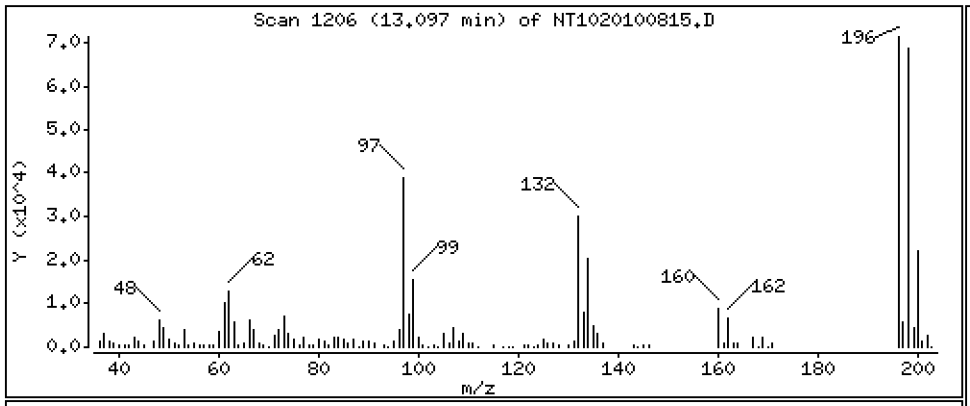
Operator: VTS

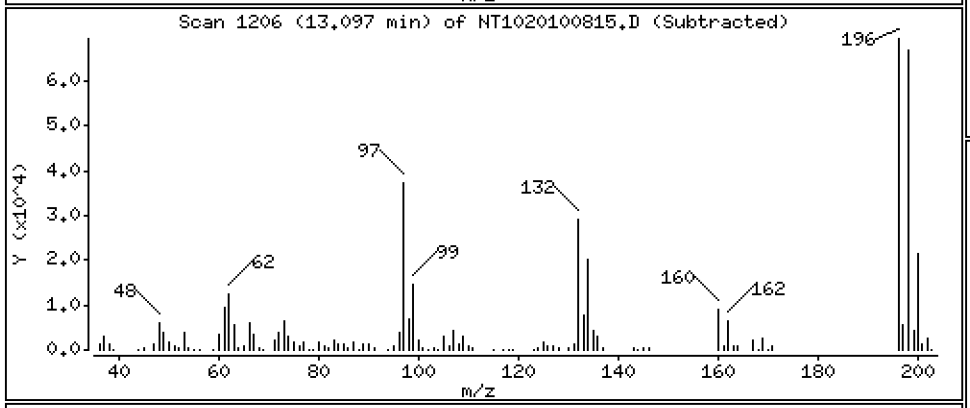
Column phase: ZB-5msi

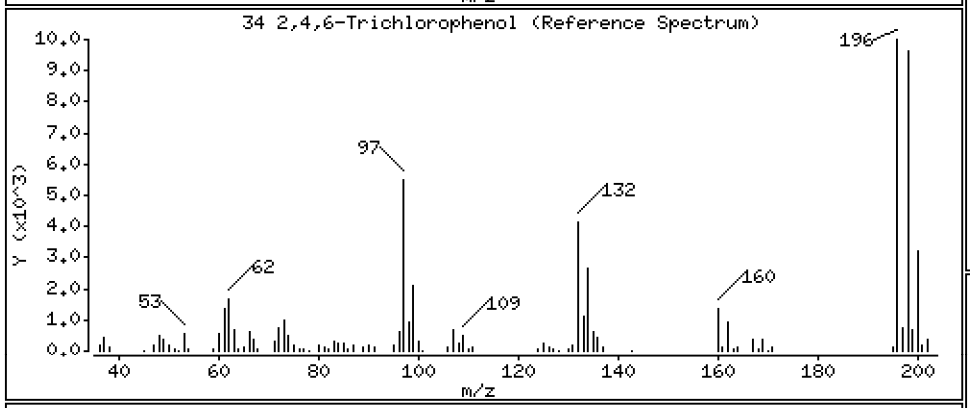
Column diameter: 0.25

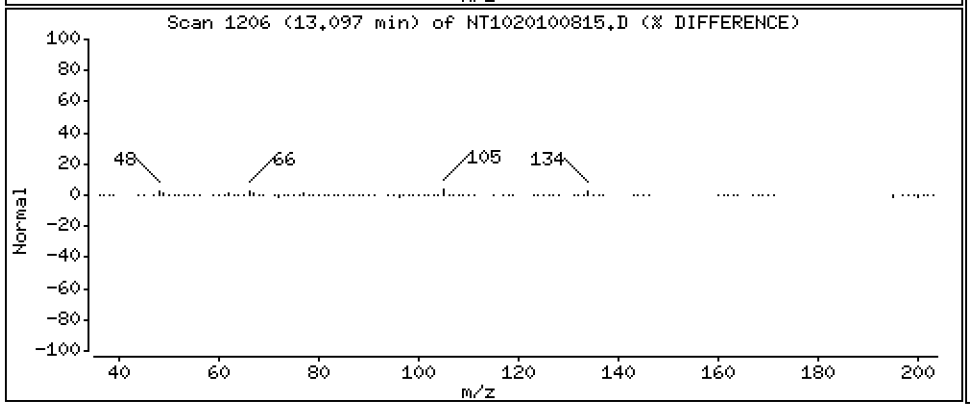
34 2,4,6-Trichlorophenol

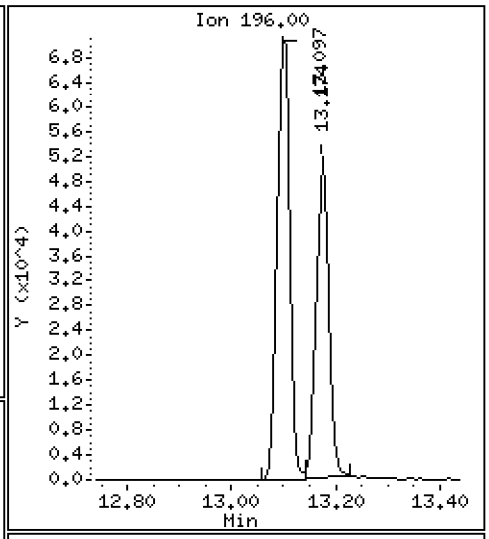
Concentration: 5.473 ug/mL

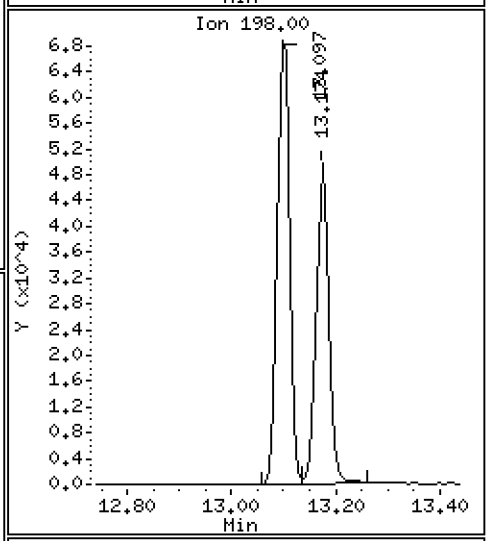


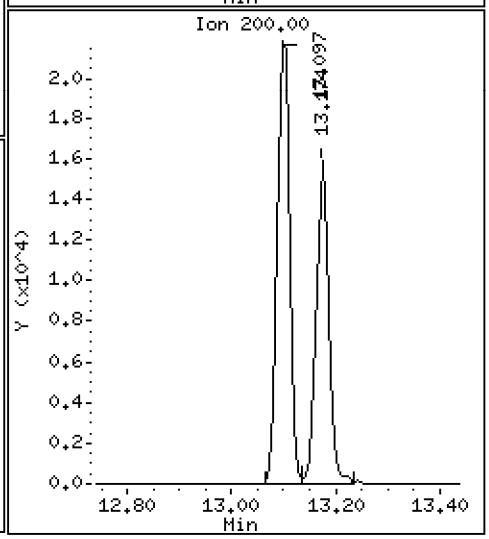












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

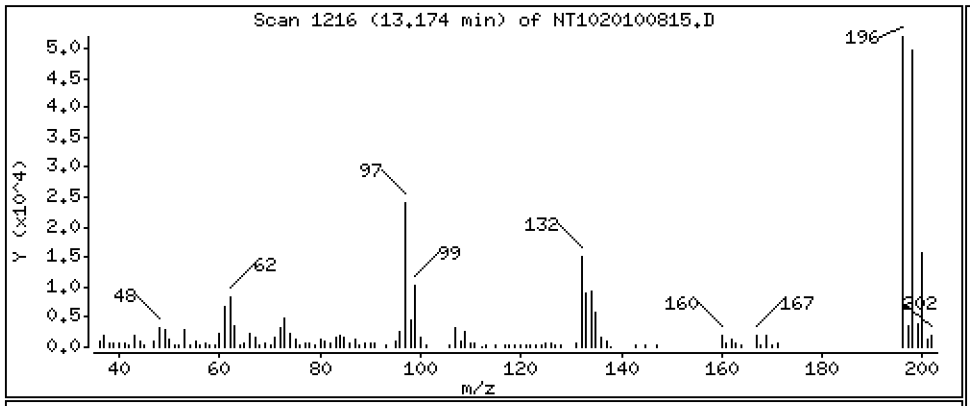
Operator: VTS

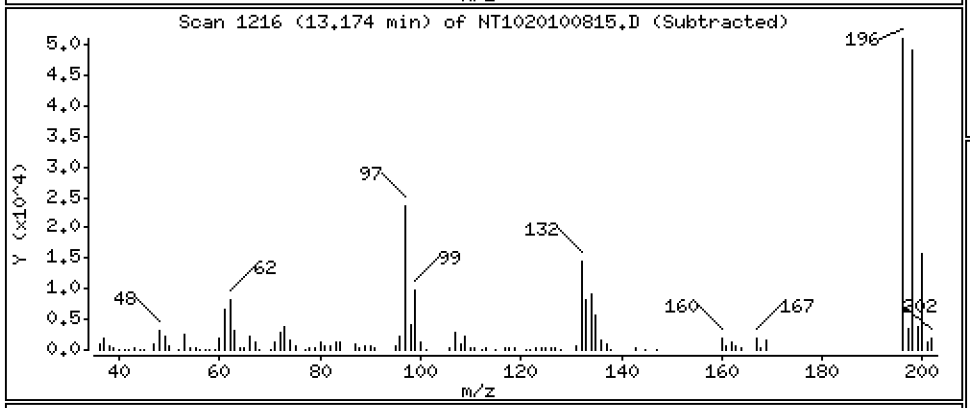
Column phase: ZB-5msi

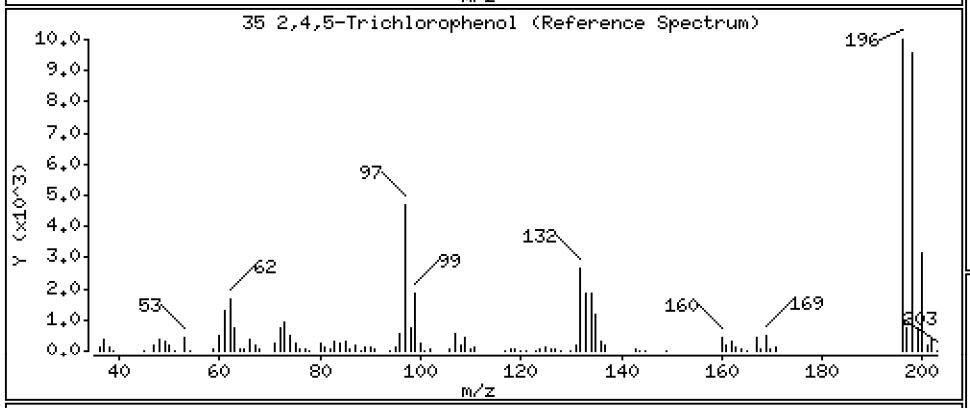
Column diameter: 0.25

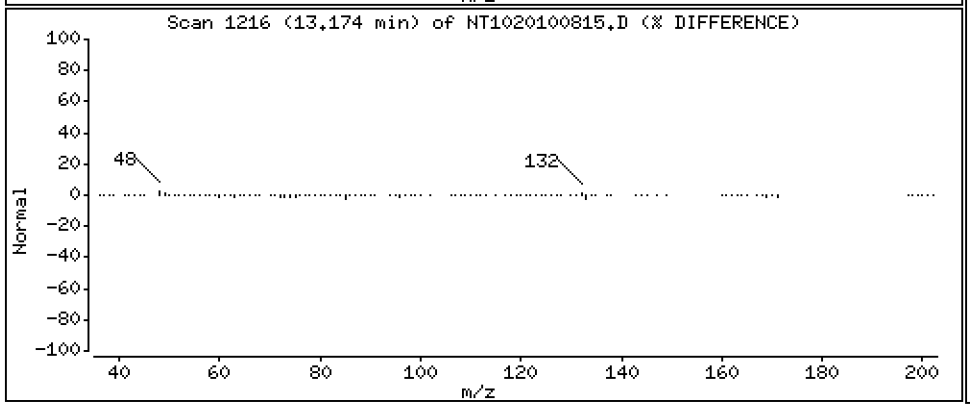
35 2,4,5-Trichlorophenol

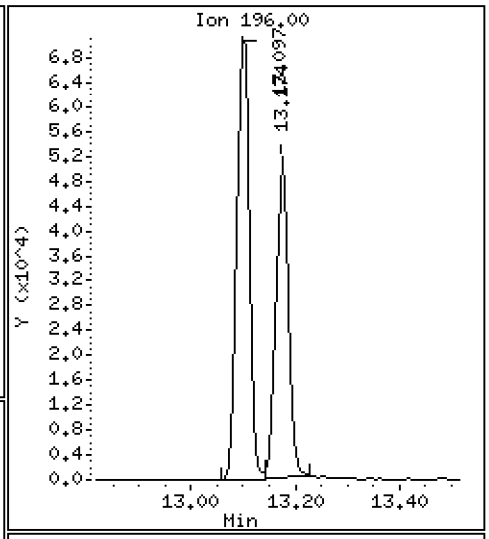
Concentration: 3.619 ug/mL

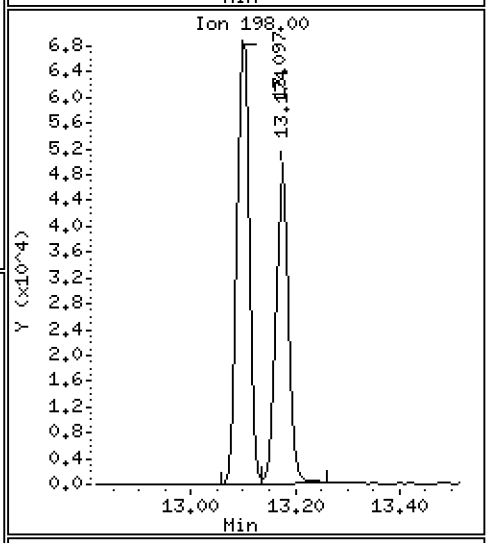


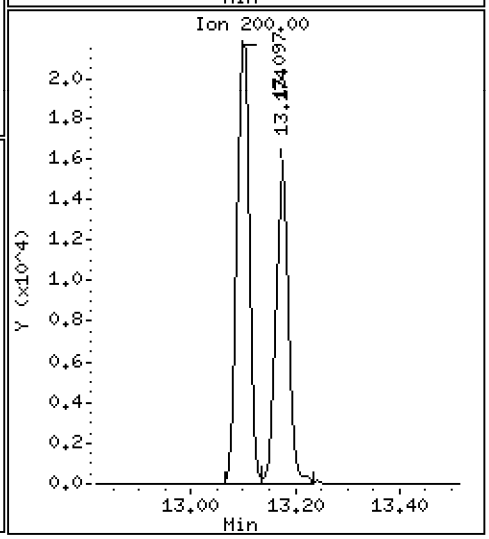












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

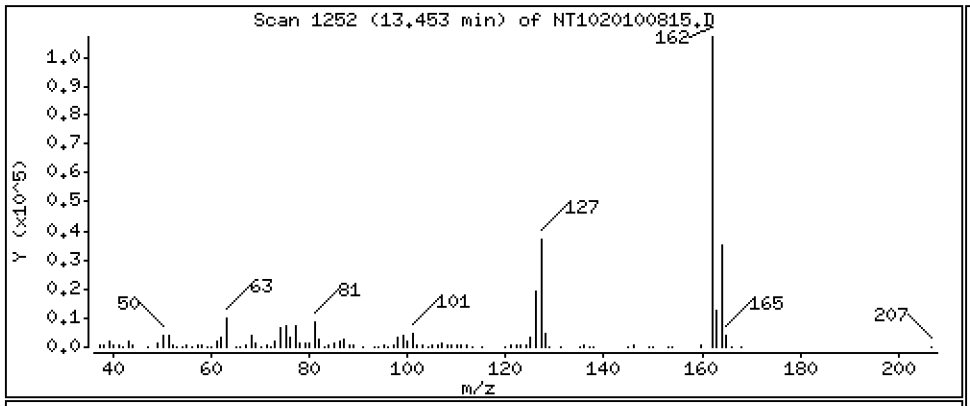
Operator: VTS

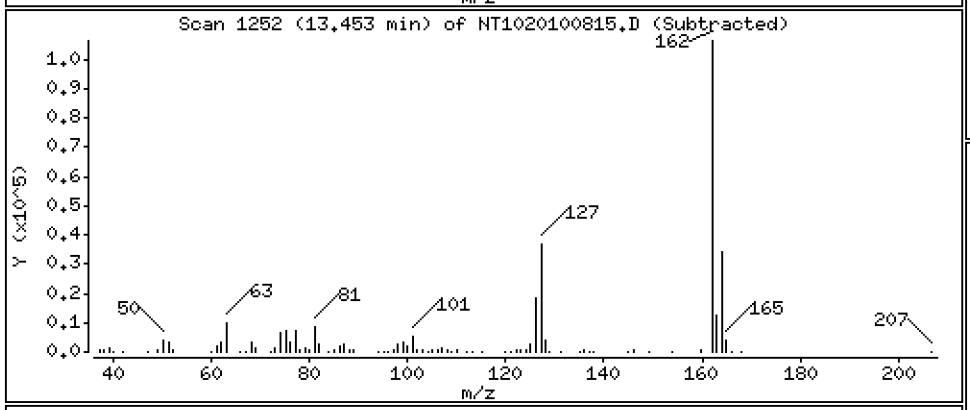
Column phase: ZB-5msi

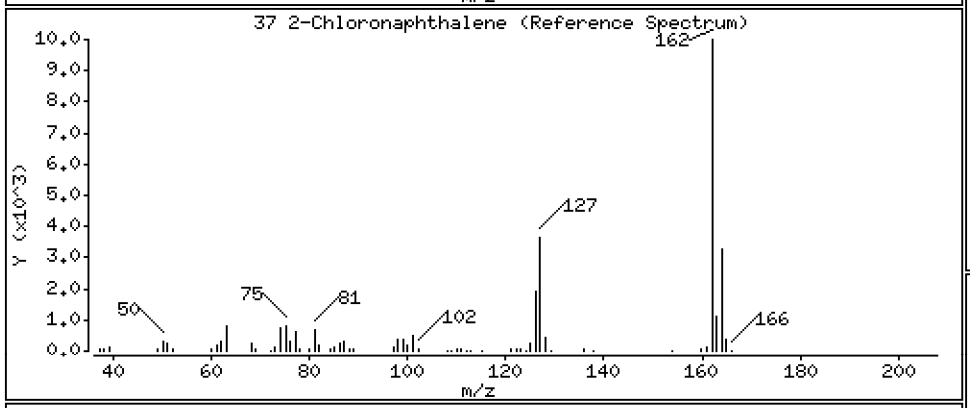
Column diameter: 0.25

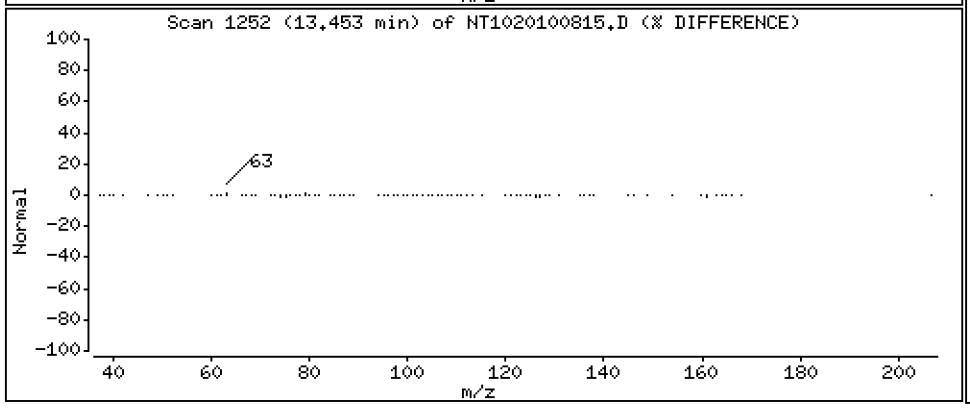
37 2-Chloronaphthalene

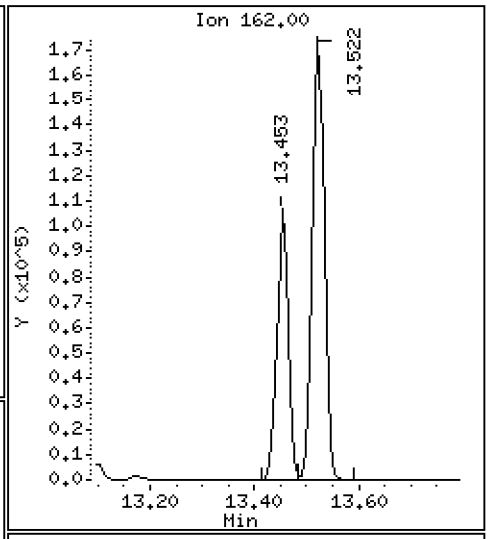
Concentration: 2.390 ug/mL

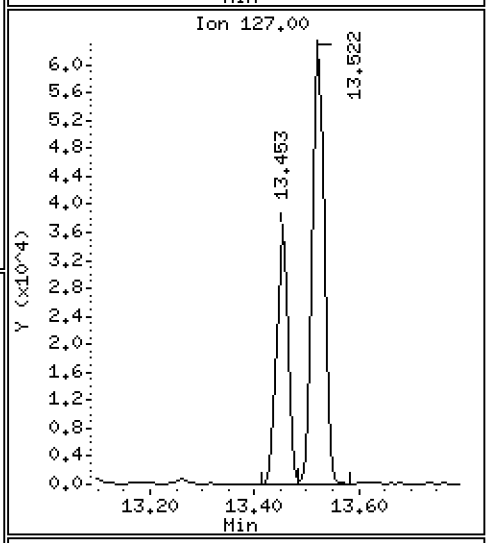


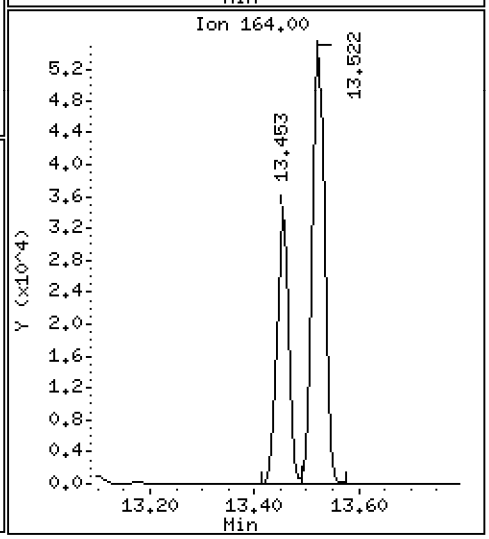












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

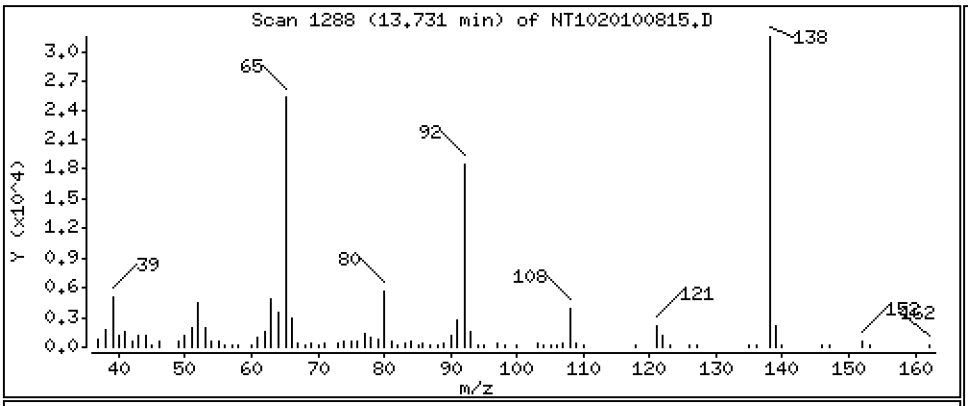
Operator: VTS

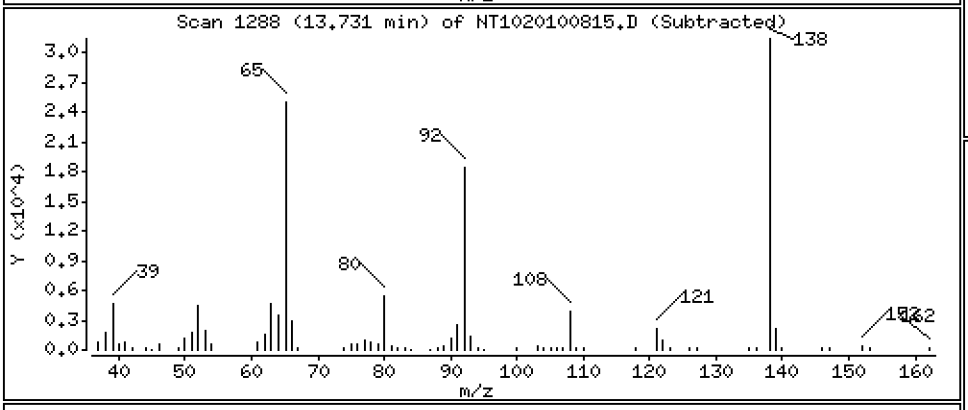
Column phase: ZB-5msi

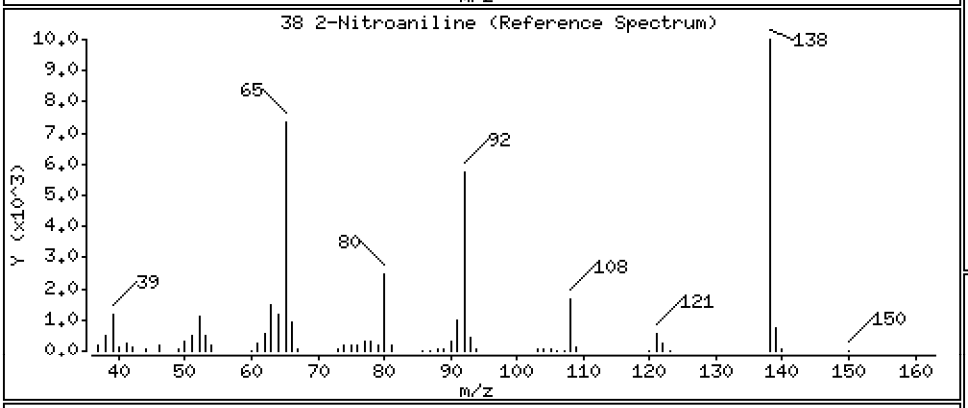
Column diameter: 0.25

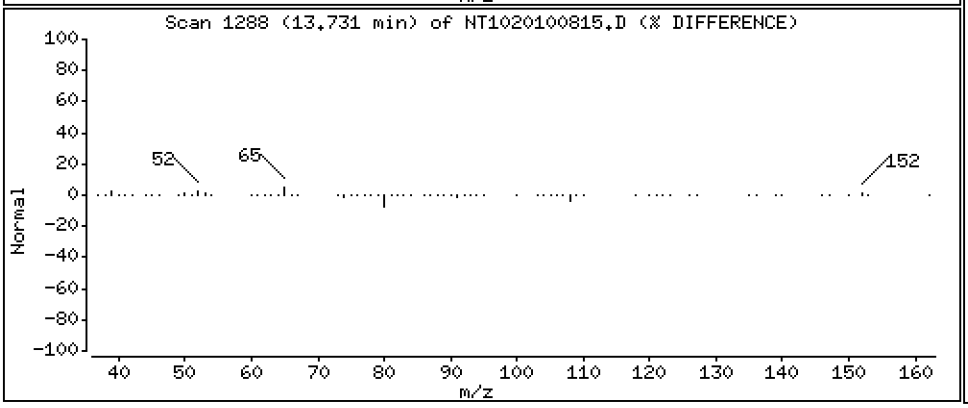
38 2-Nitroaniline

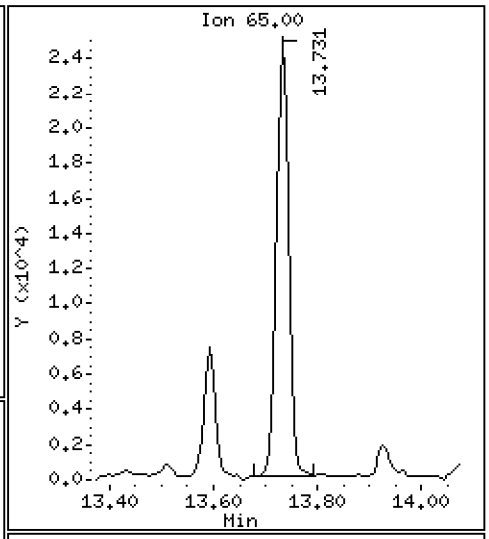
Concentration: 2.264 ug/mL

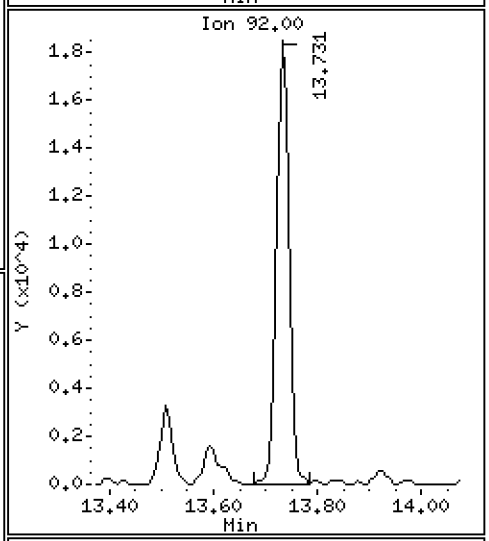


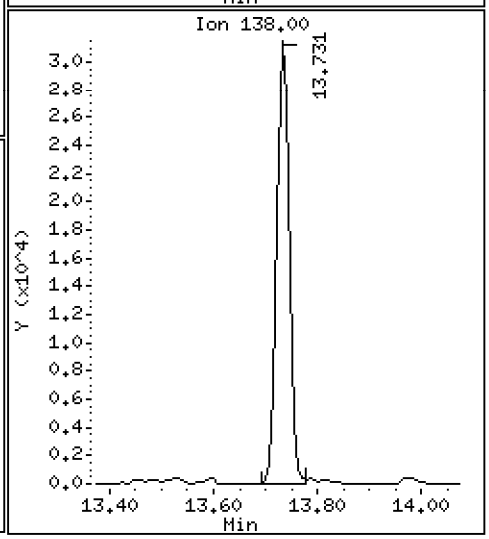












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

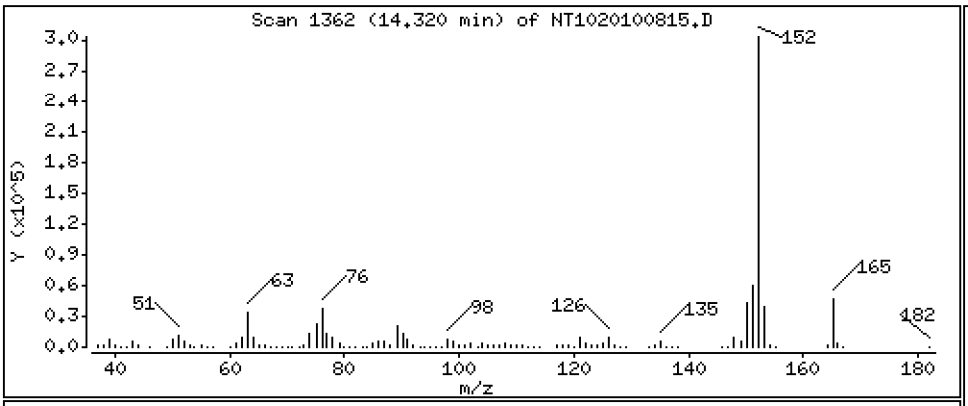
Operator: VTS

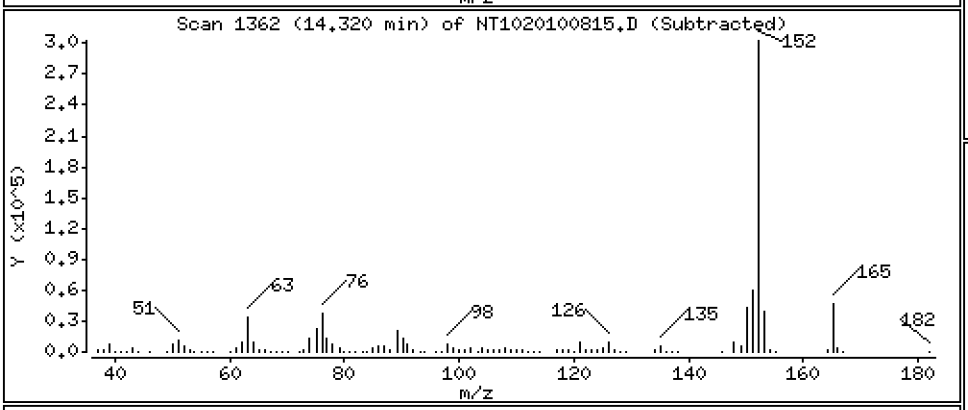
Column phase: ZB-5msi

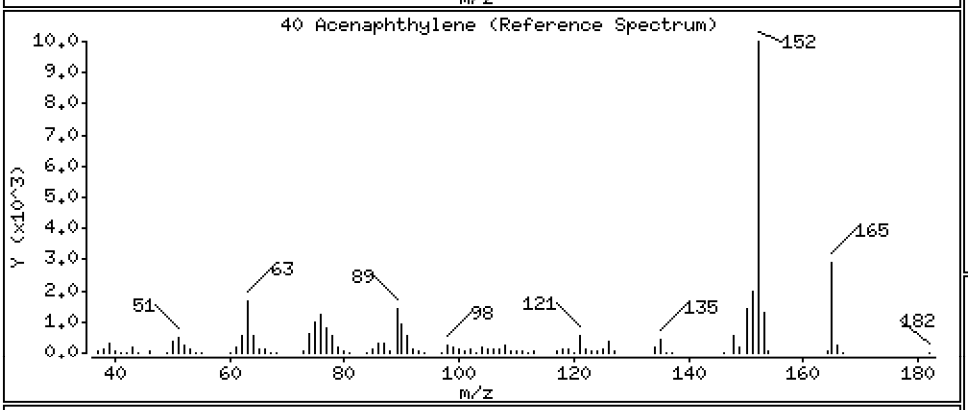
Column diameter: 0.25

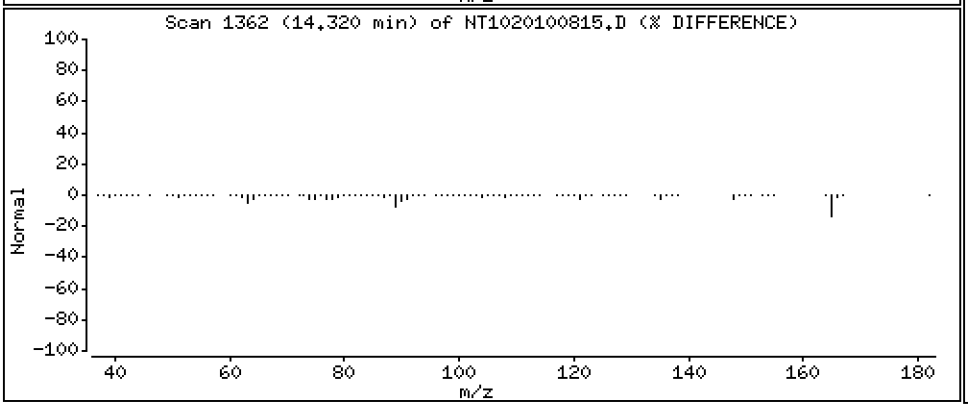
40 Acenaphthylene

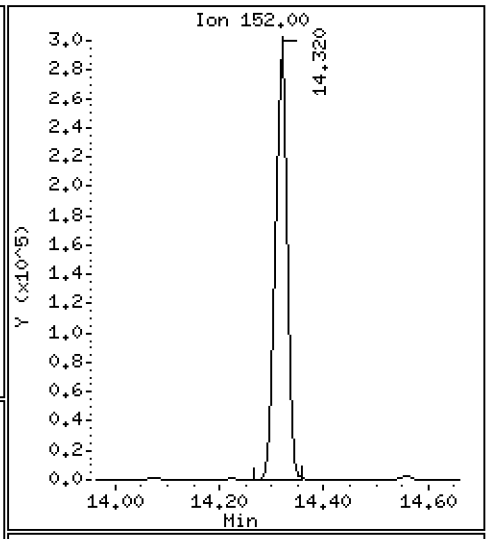
Concentration: 4.705 ug/mL

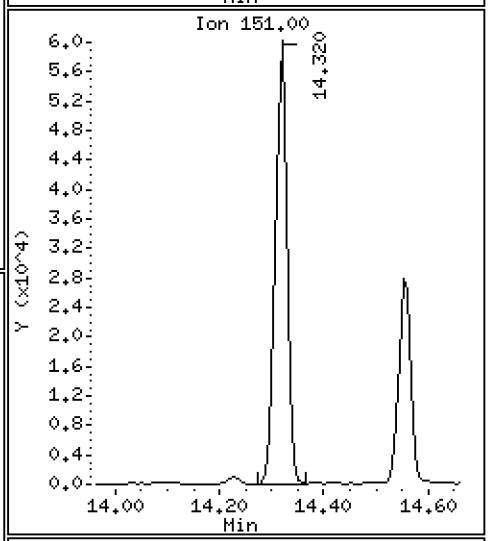


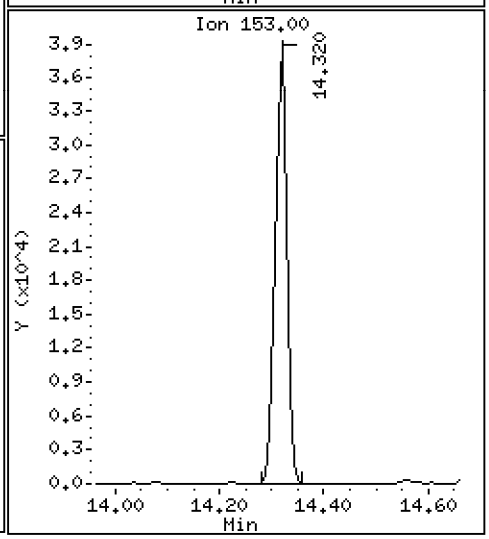












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

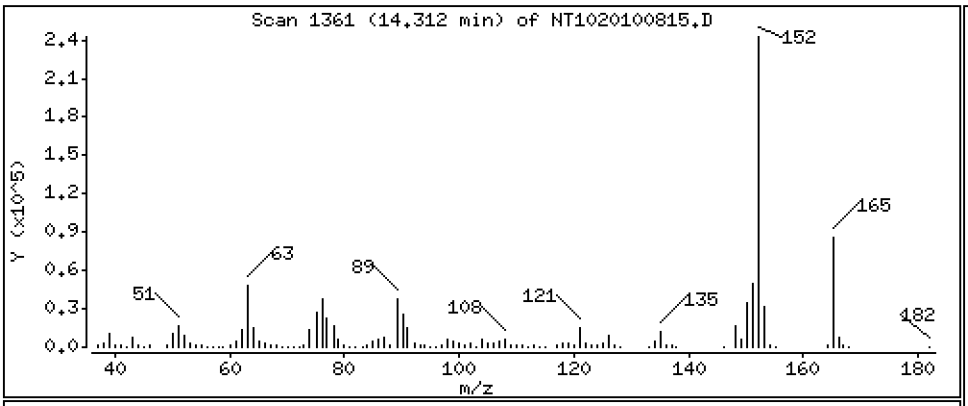
Operator: VTS

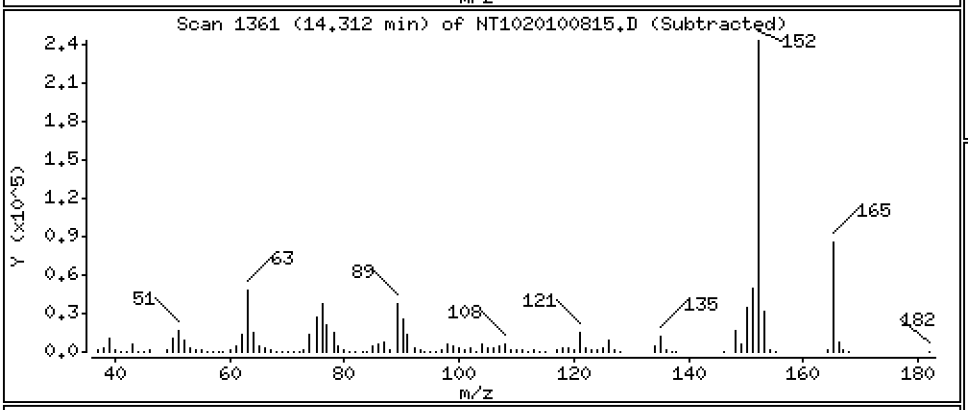
Column phase: ZB-5msi

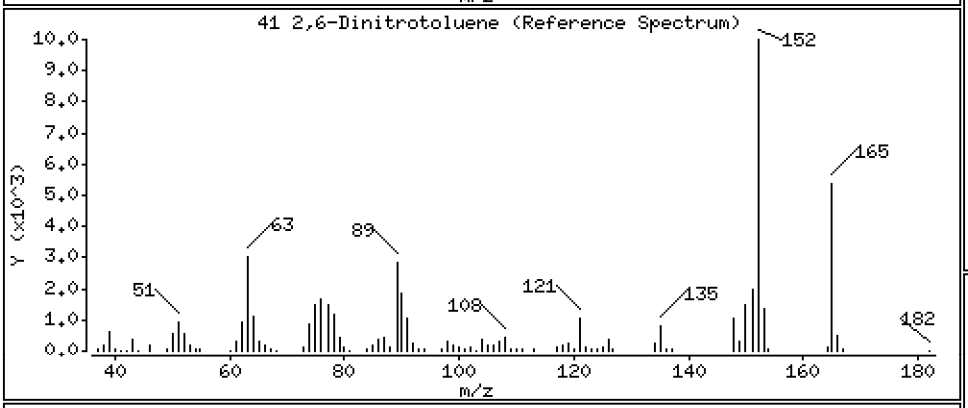
Column diameter: 0.25

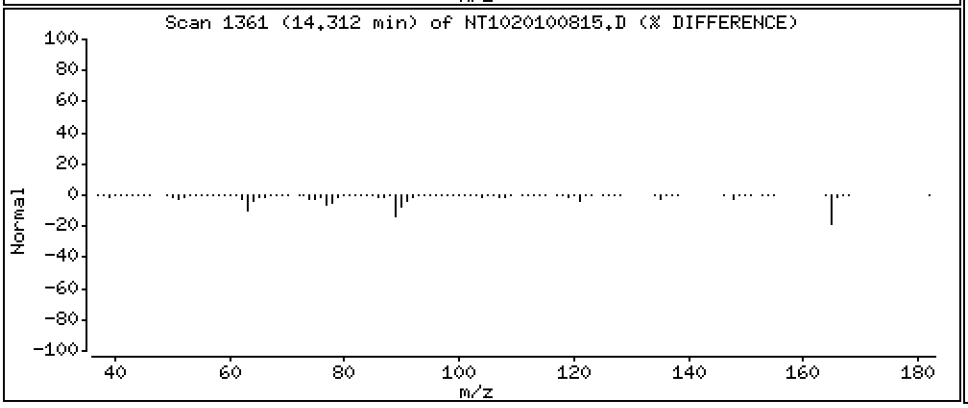
41 2,6-Dinitrotoluene

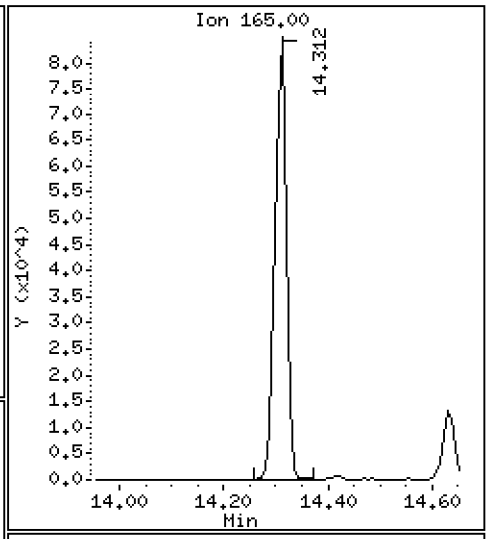
Concentration: 8.583 ug/mL

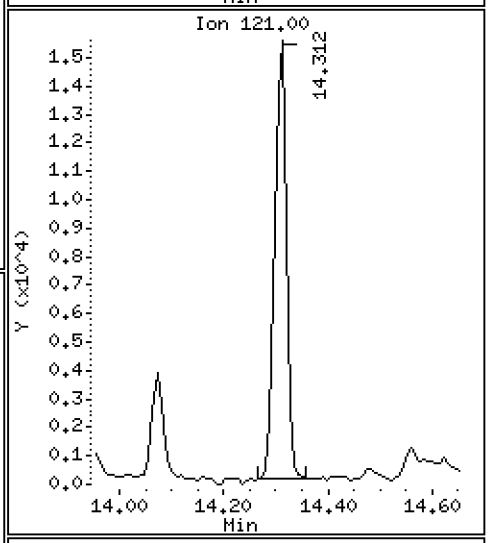


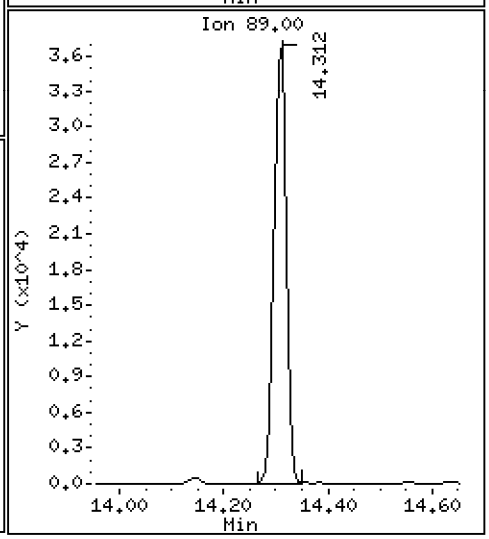












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

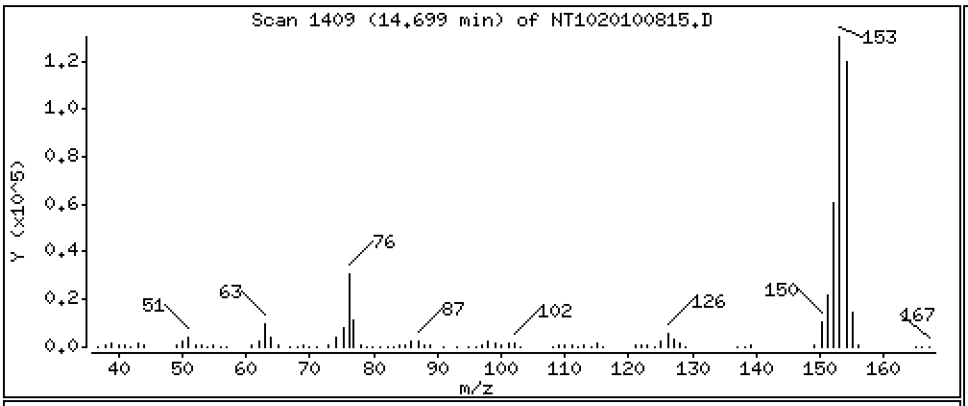
Operator: VTS

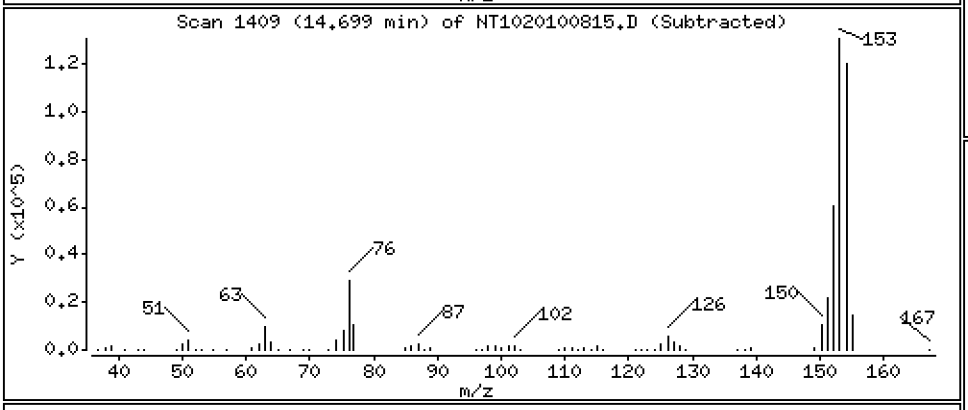
Column phase: ZB-5msi

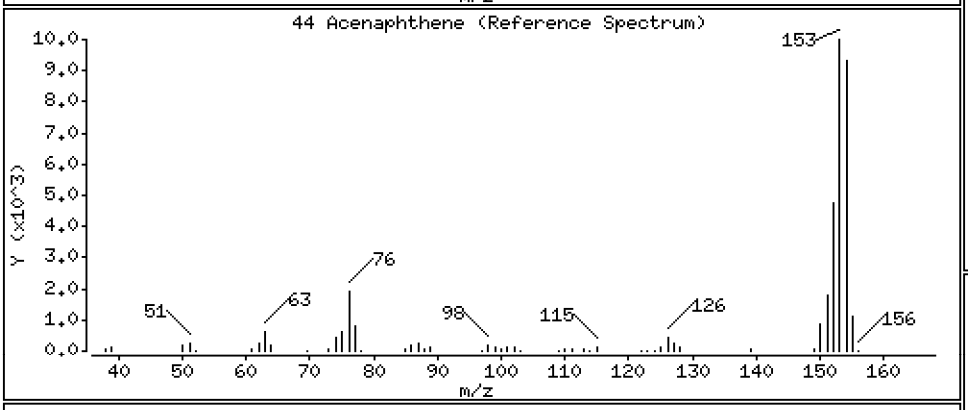
Column diameter: 0.25

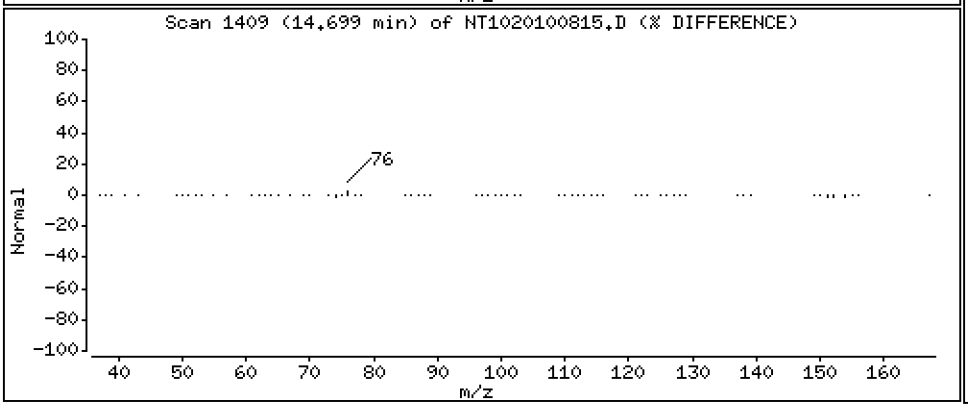
44 Acenaphthene

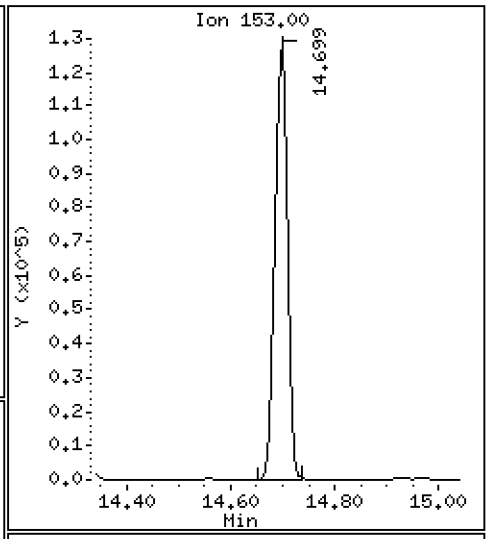
Concentration: 3.803 ug/mL

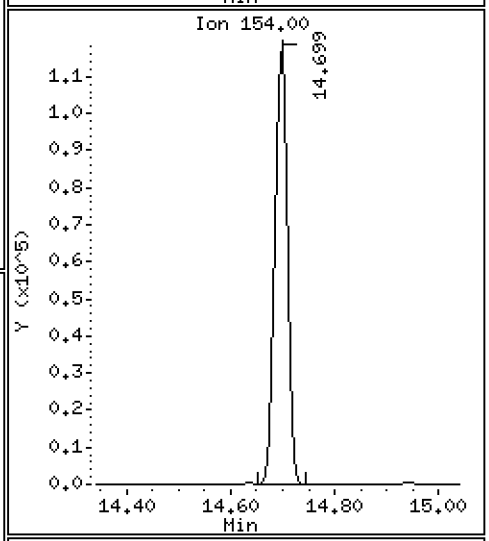


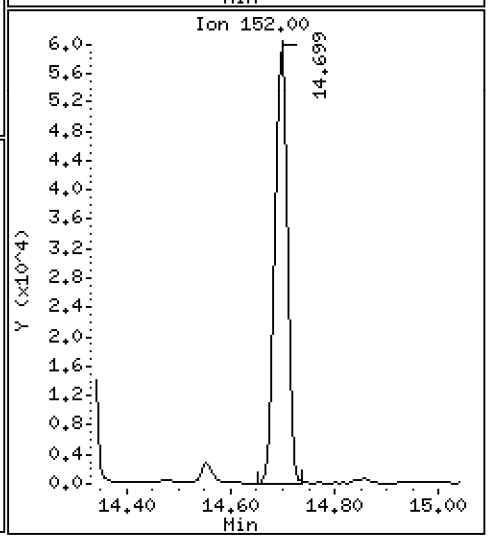












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

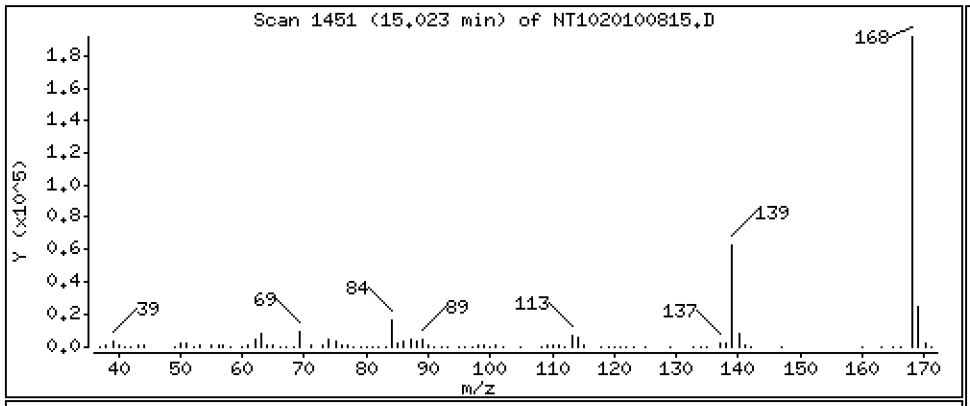
Operator: VTS

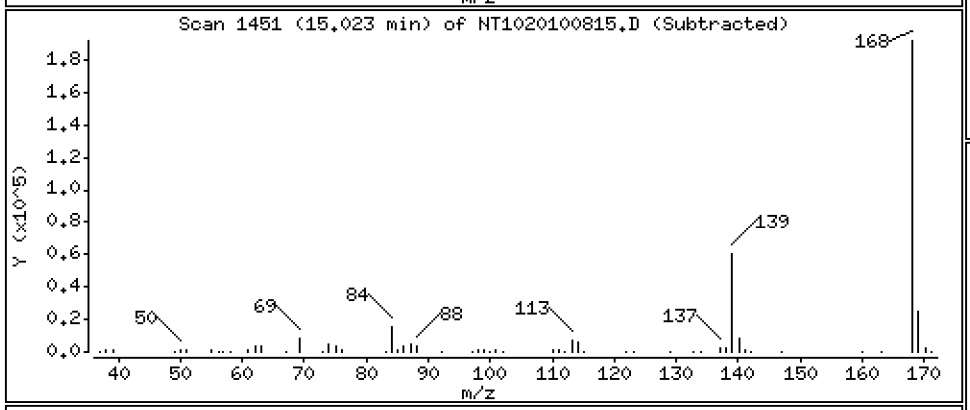
Column phase: ZB-5msi

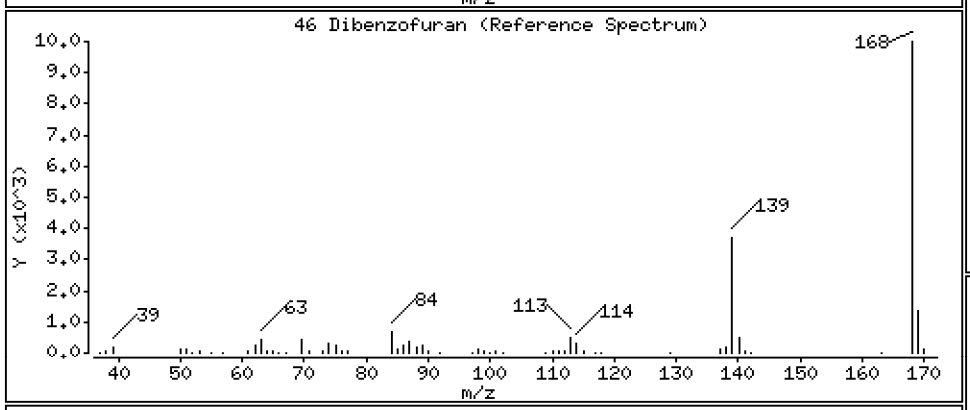
Column diameter: 0.25

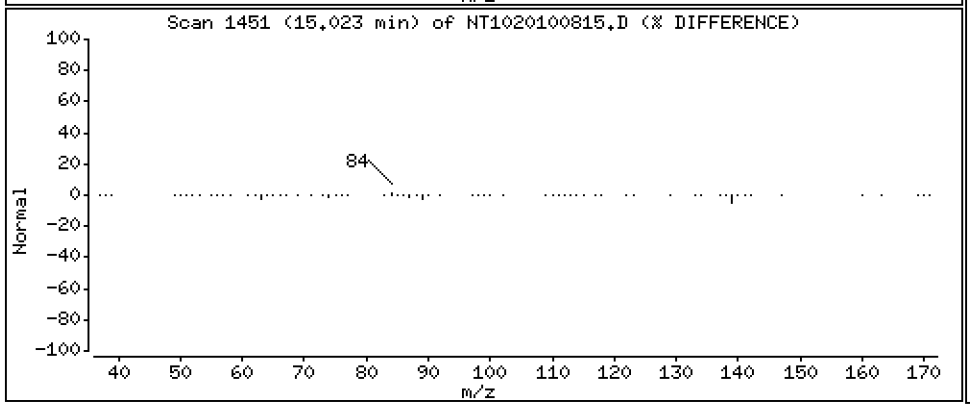
46 Dibenzofuran

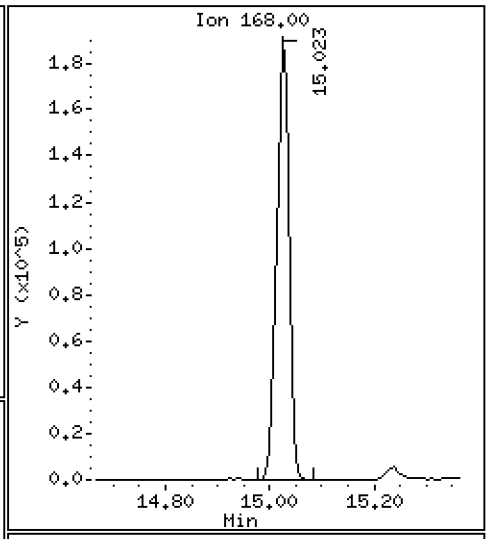
Concentration: 3.891 ug/mL

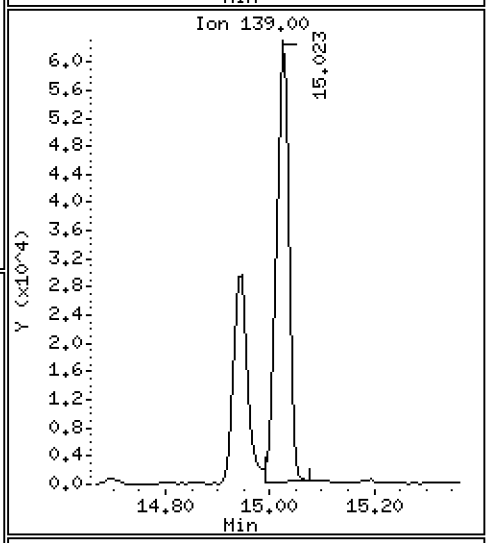


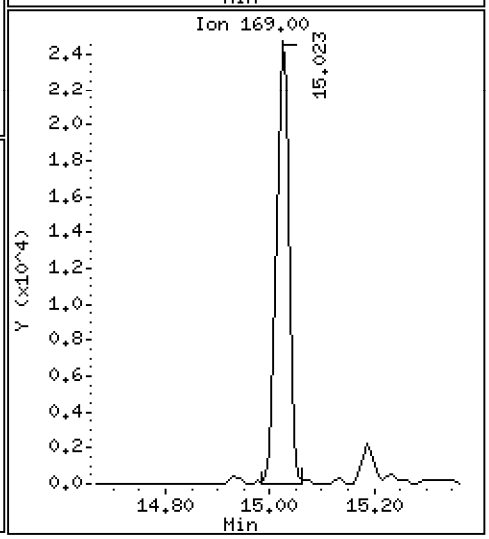












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

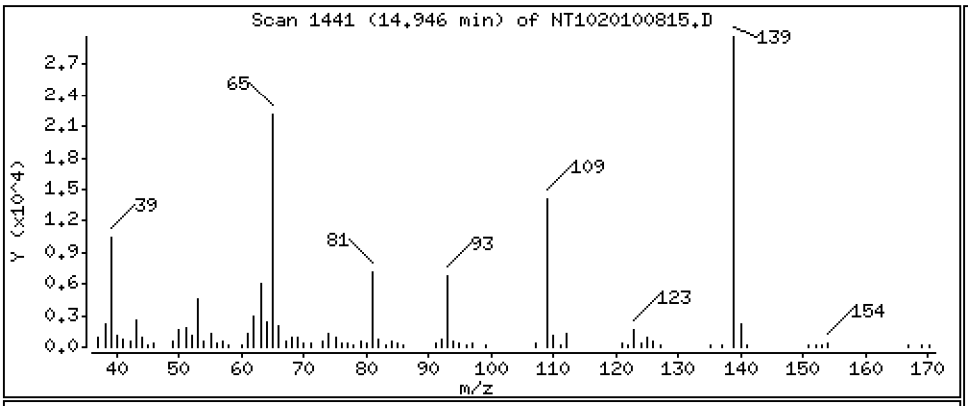
Operator: VTS

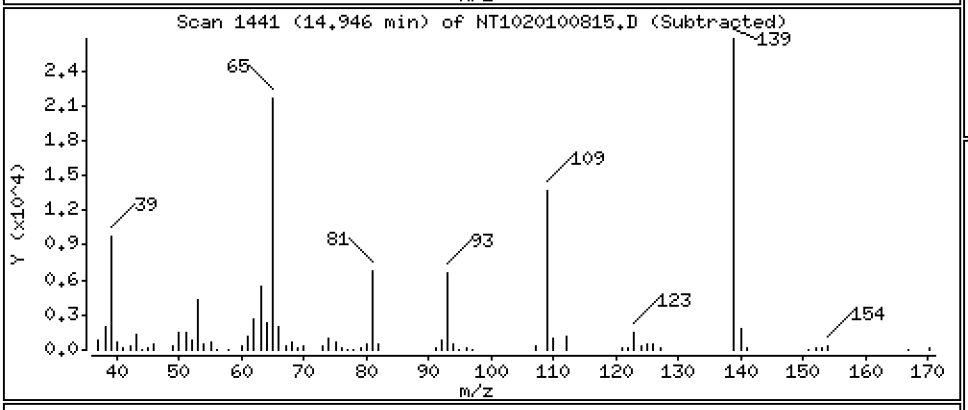
Column phase: ZB-5msi

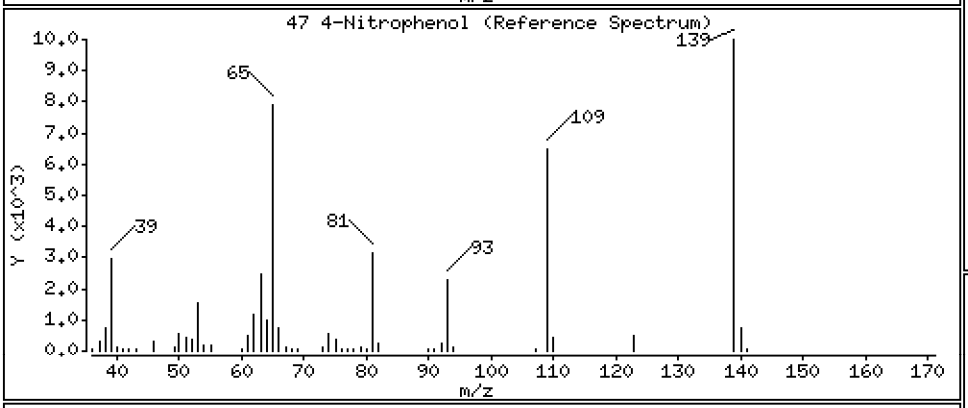
Column diameter: 0.25

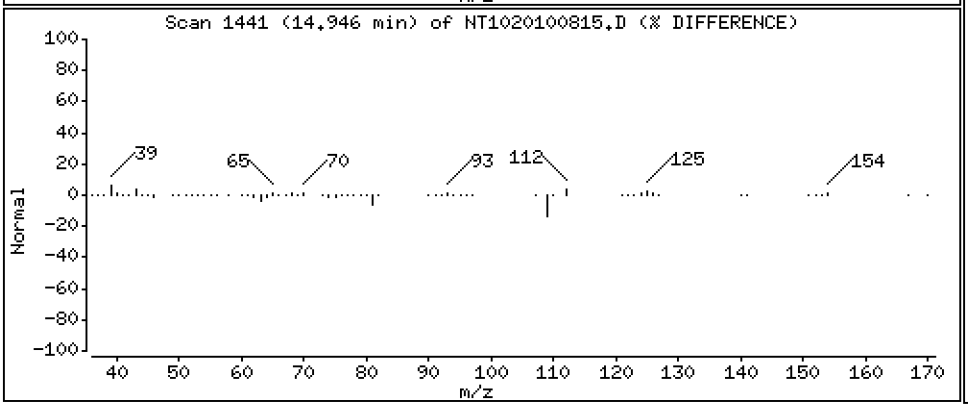
47 4-Nitrophenol

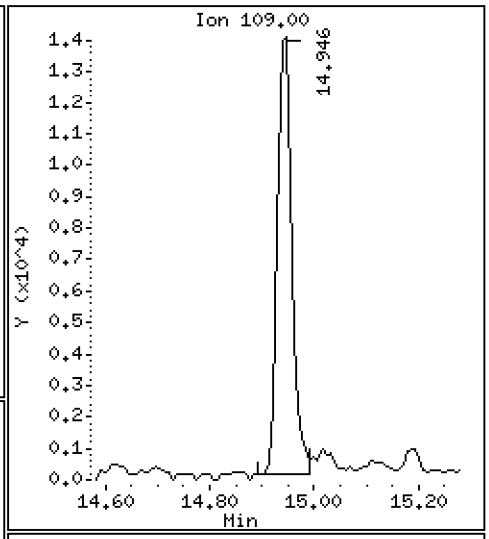
Concentration: 4.643 ug/mL

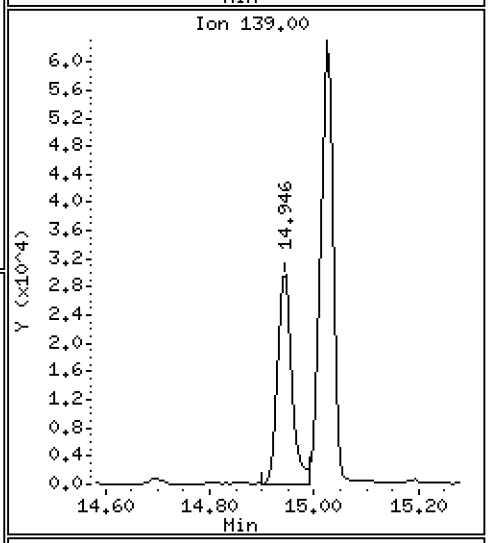


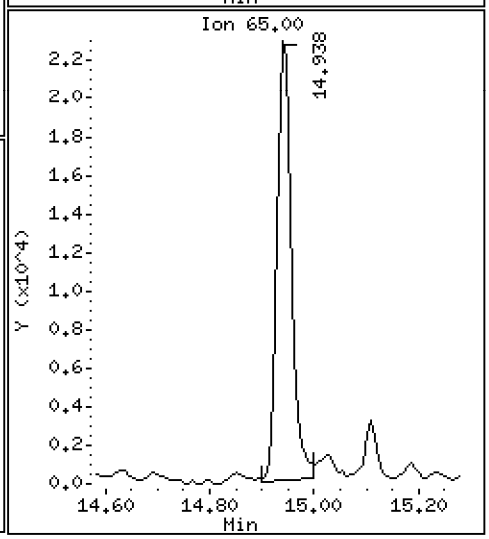












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

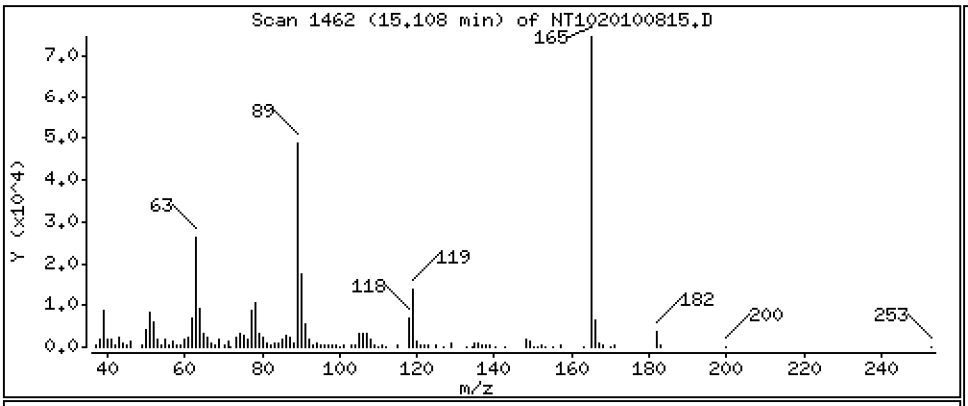
Operator: VTS

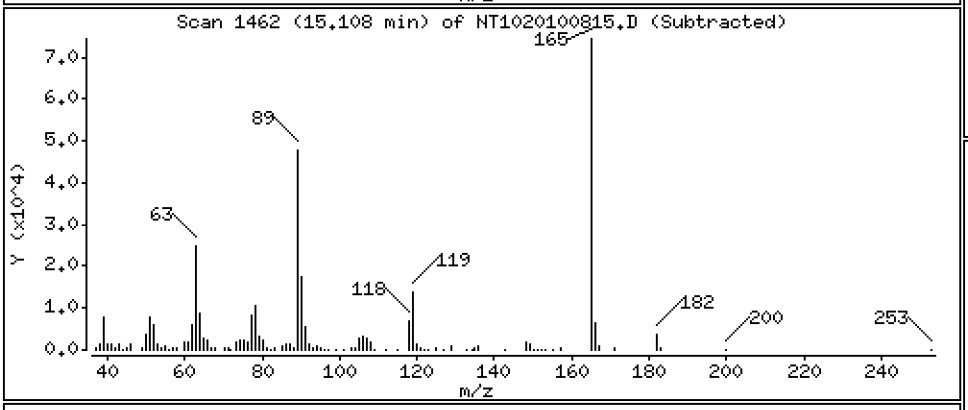
Column phase: ZB-5msi

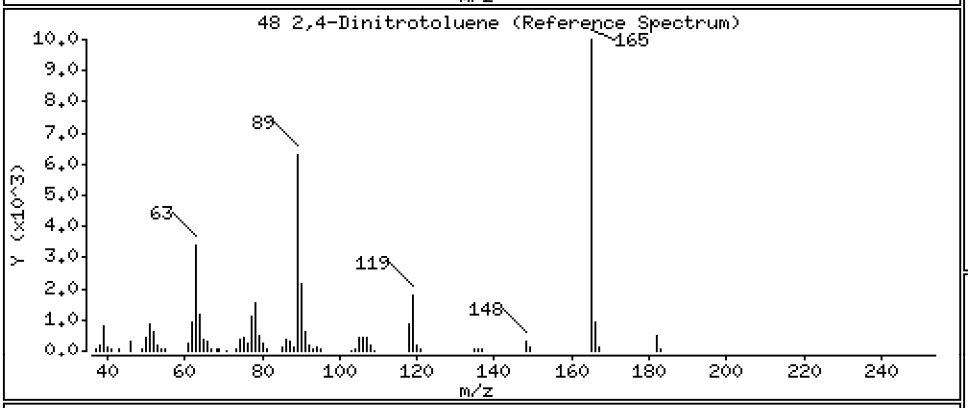
Column diameter: 0.25

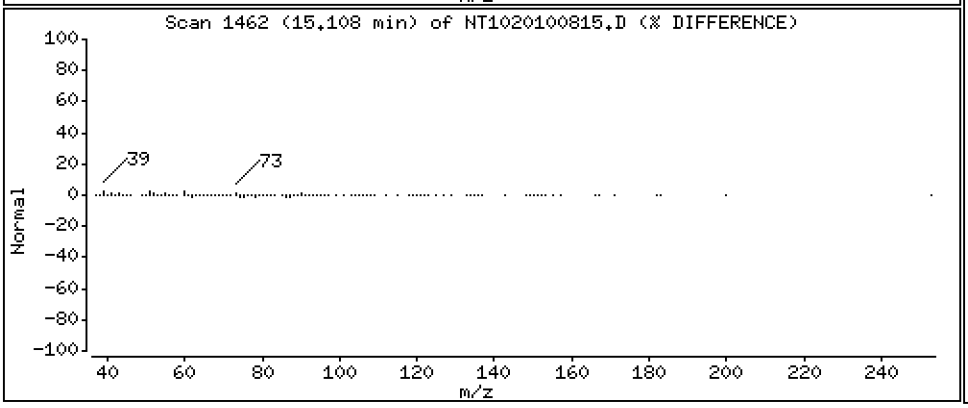
48 2,4-Dinitrotoluene

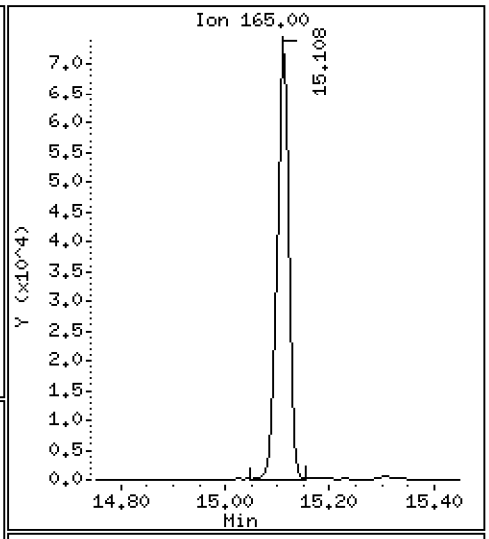
Concentration: 5.908 ug/mL

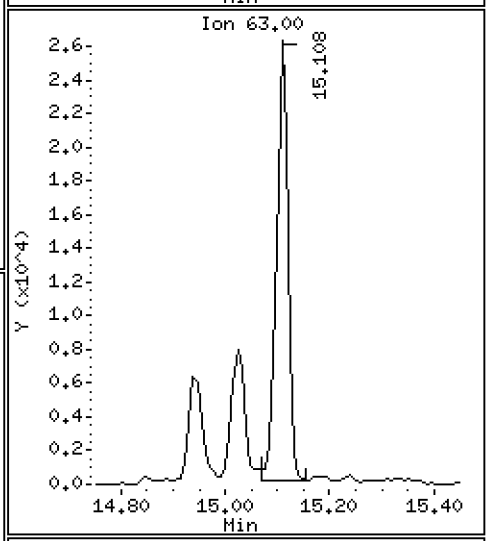


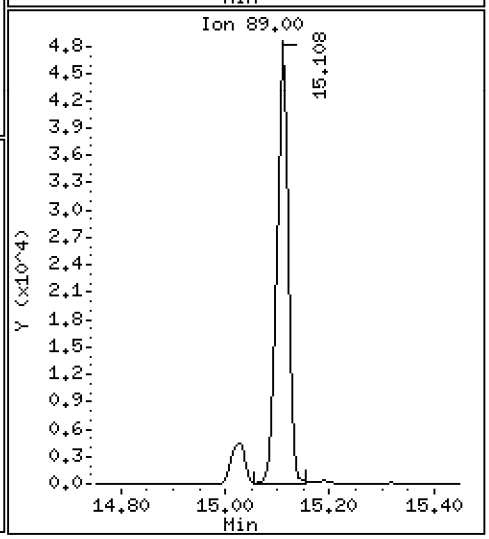












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

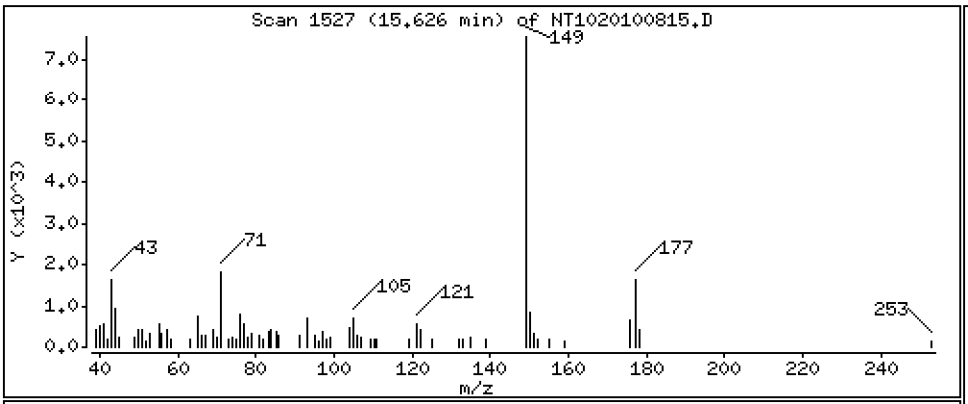
Operator: VTS

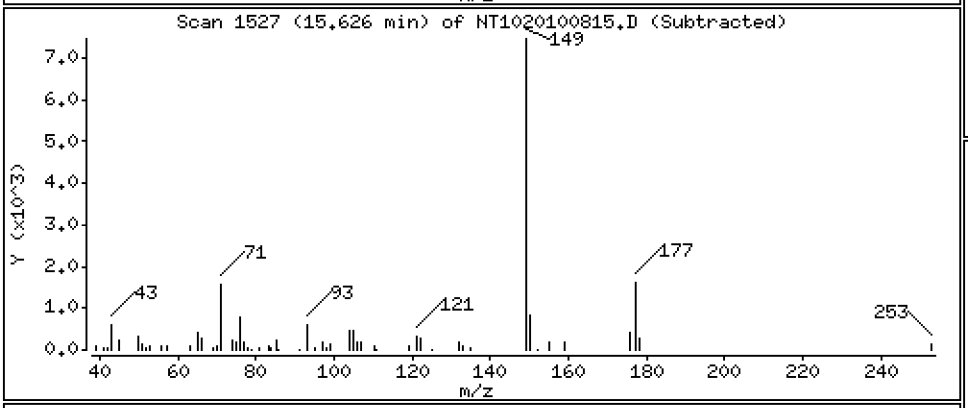
Column phase: ZB-5msi

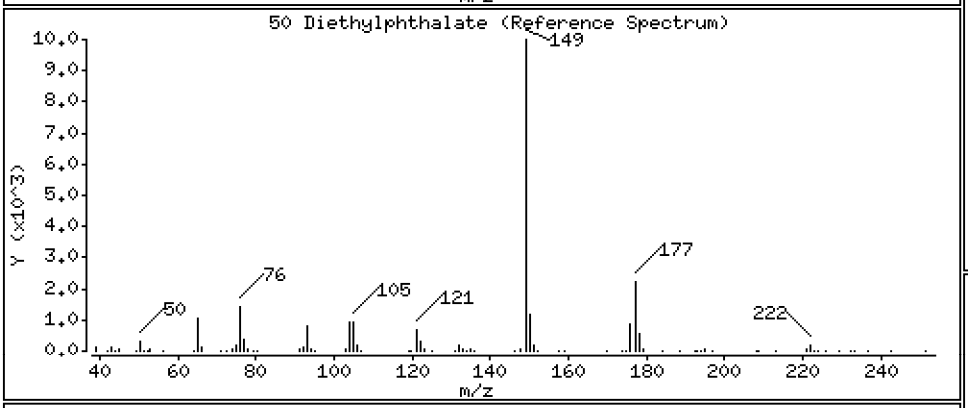
Column diameter: 0.25

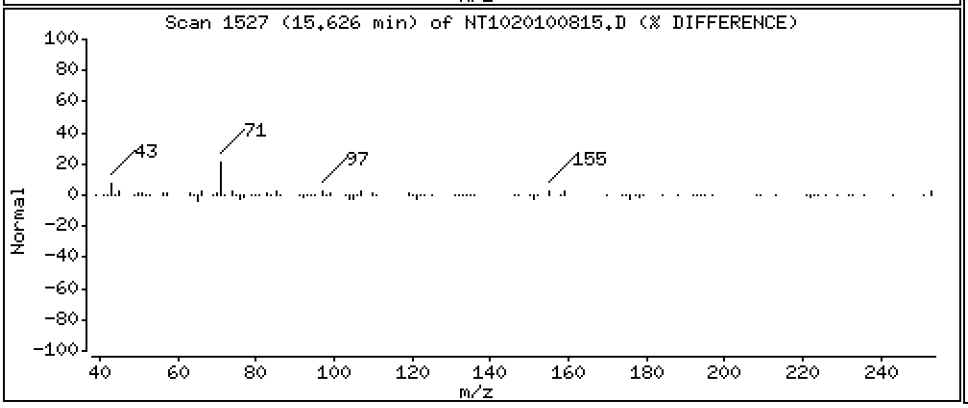
50 Diethylphthalate

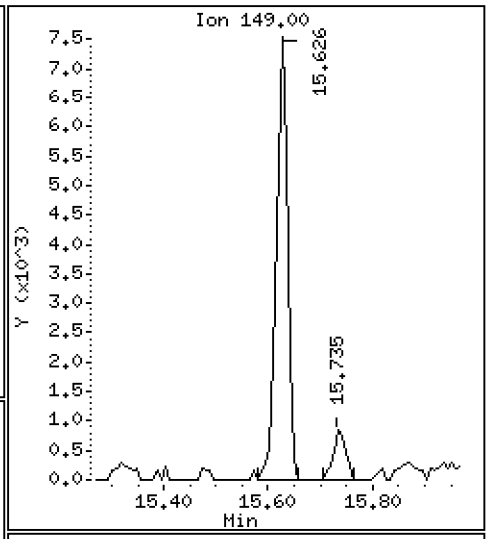
Concentration: 0.1906 ug/mL

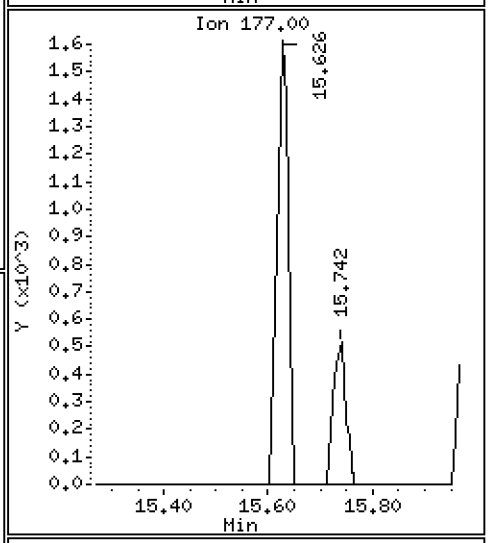


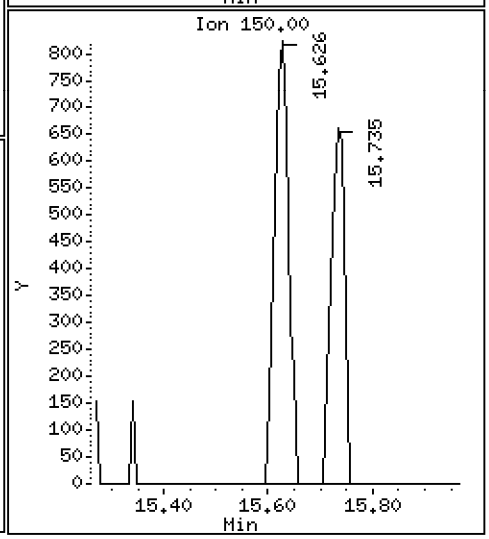












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

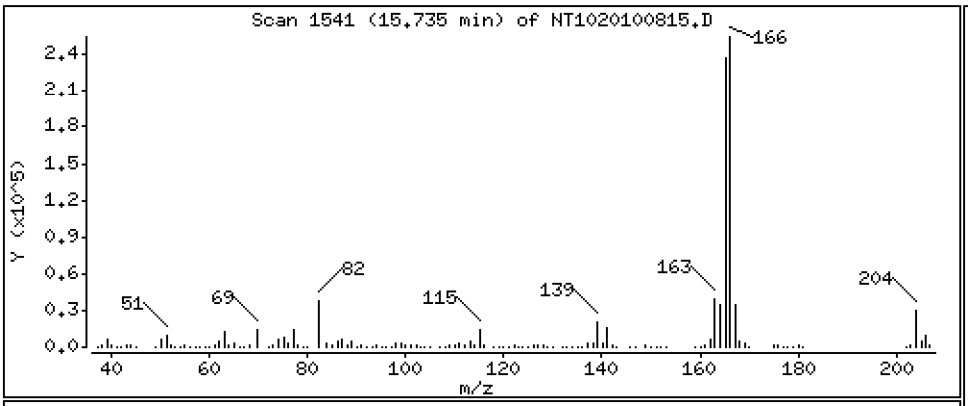
Operator: VTS

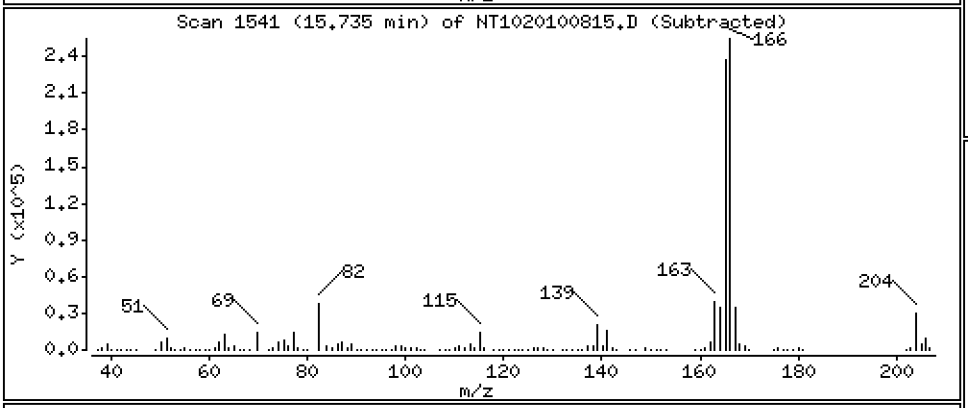
Column phase: ZB-5msi

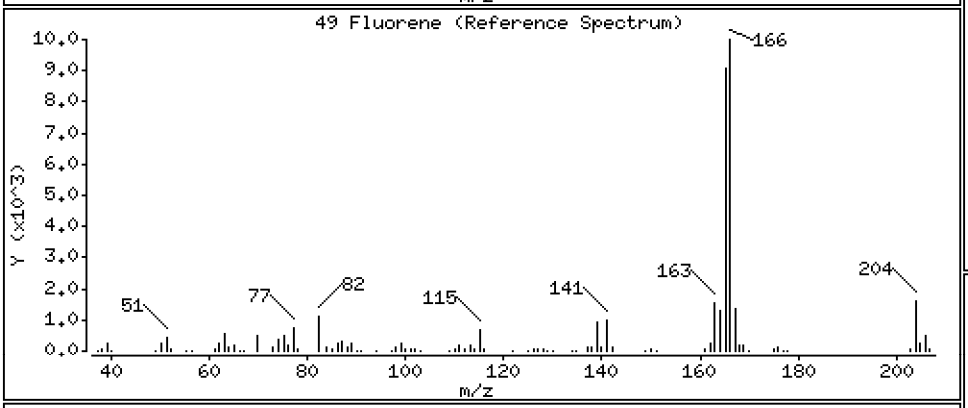
Column diameter: 0.25

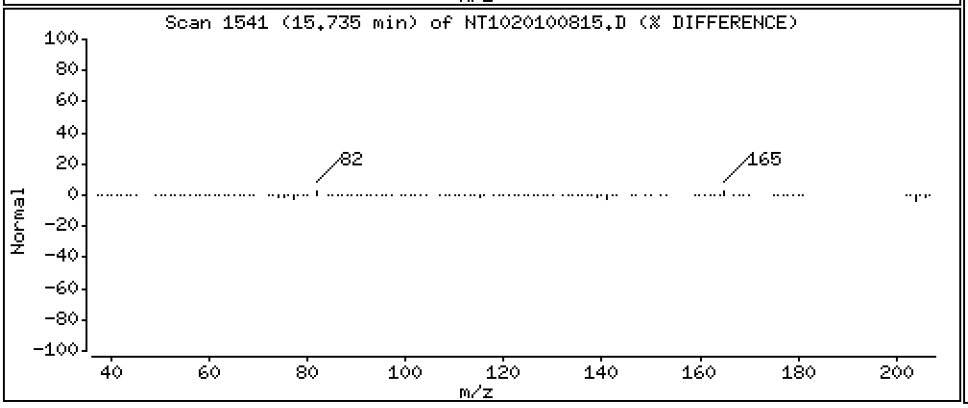
49 Fluorene

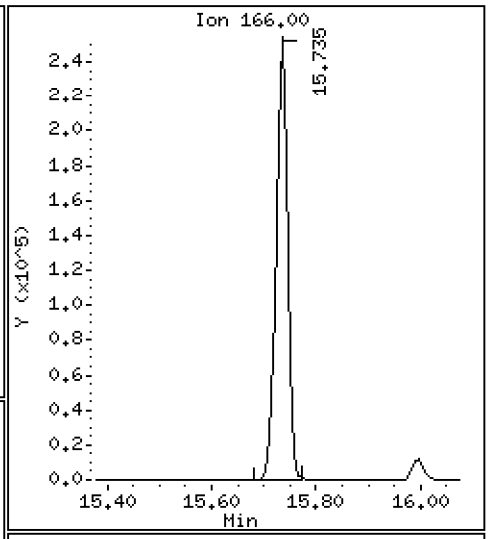
Concentration: 5.943 ug/mL

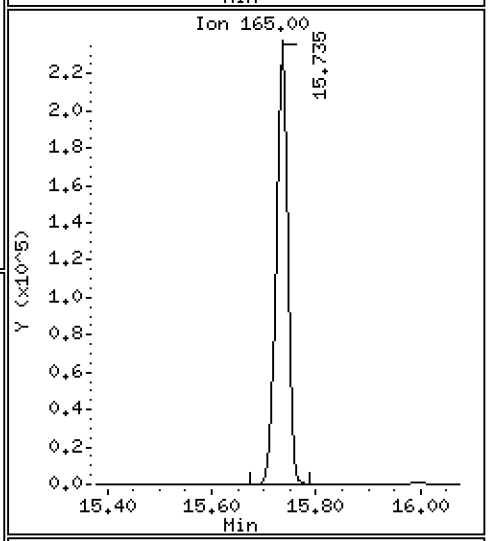


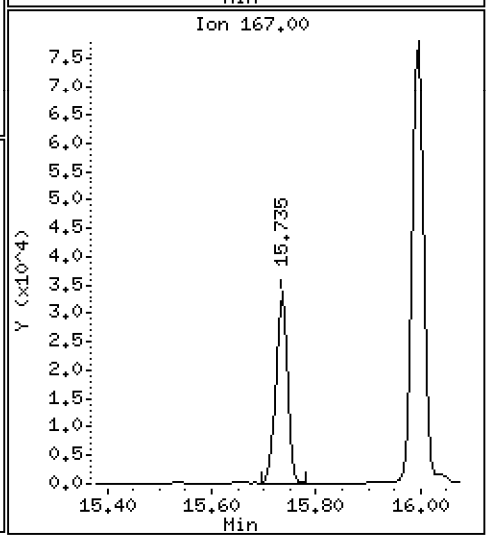












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

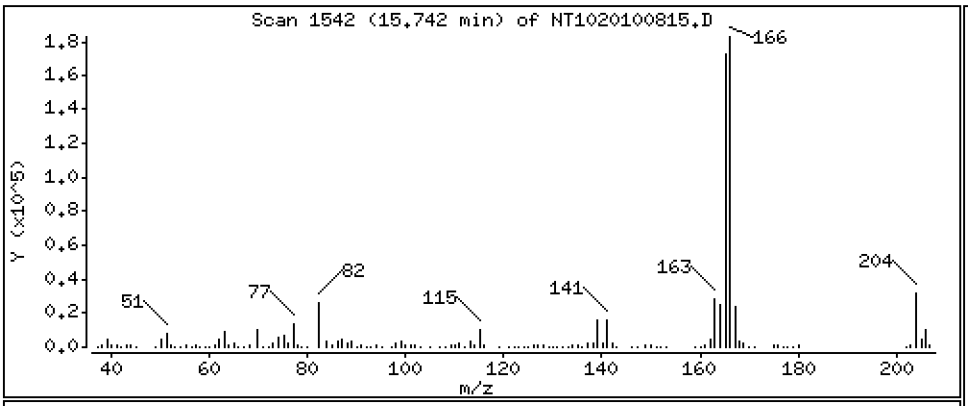
Operator: VTS

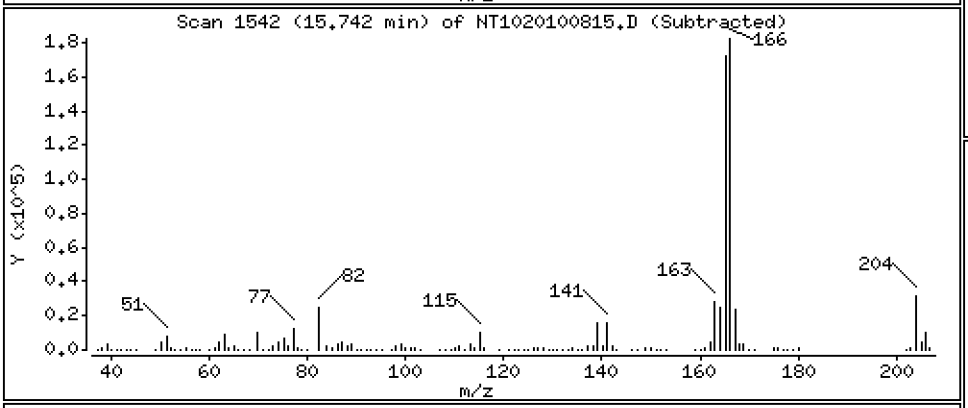
Column phase: ZB-5msi

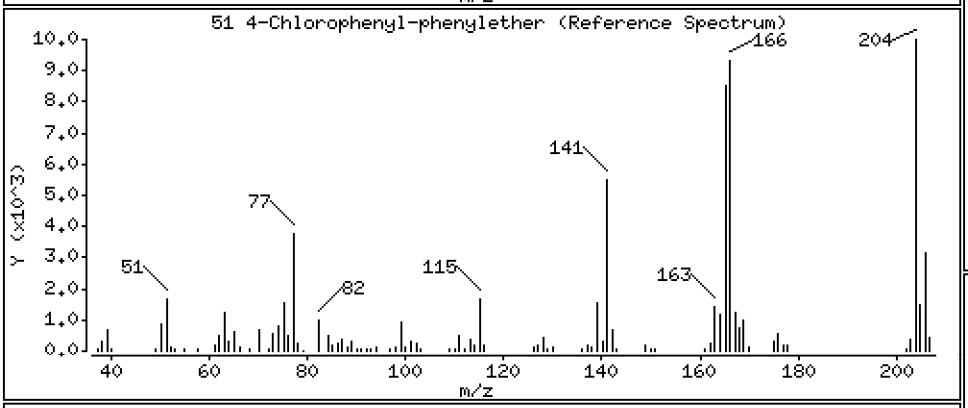
Column diameter: 0.25

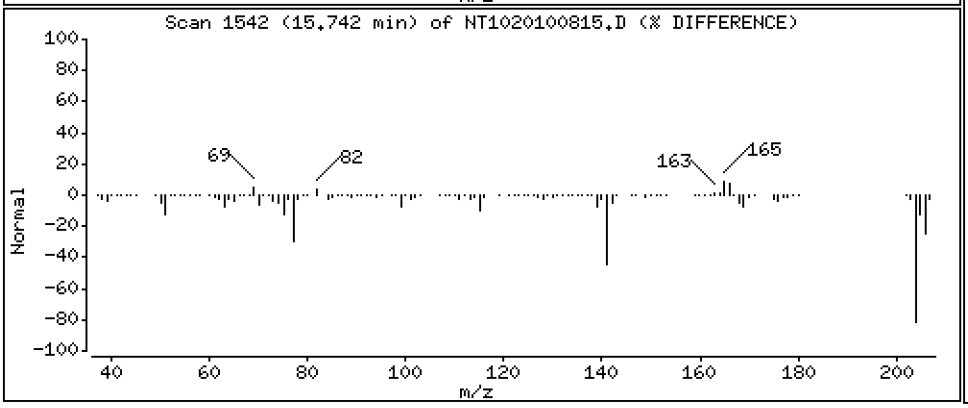
51 4-Chlorophenyl-phenylether

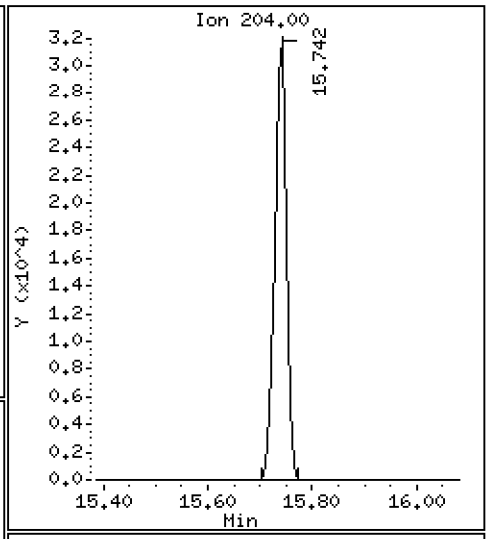
Concentration: 1.558 ug/mL

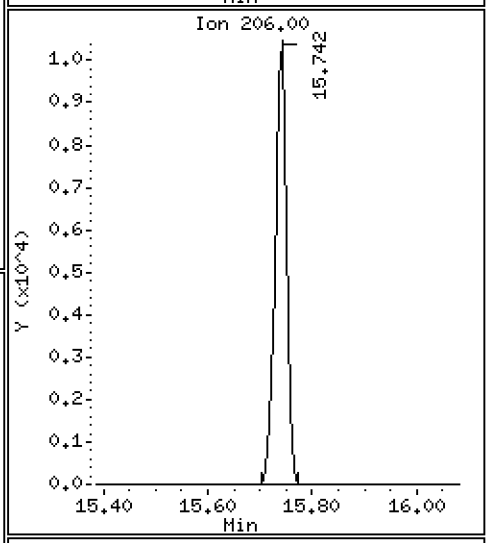


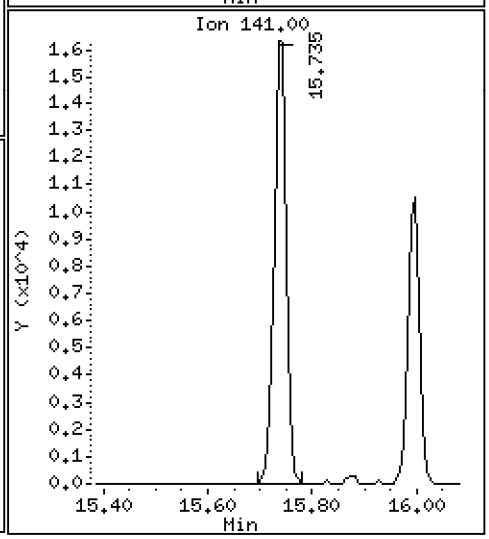












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

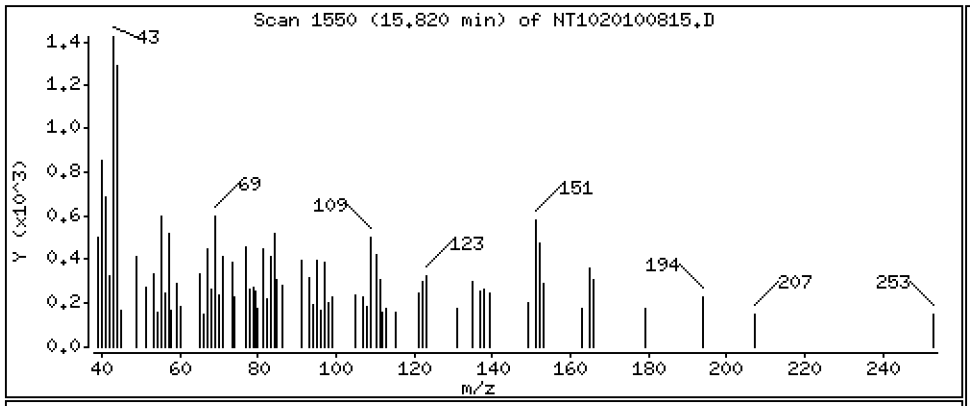
Operator: VTS

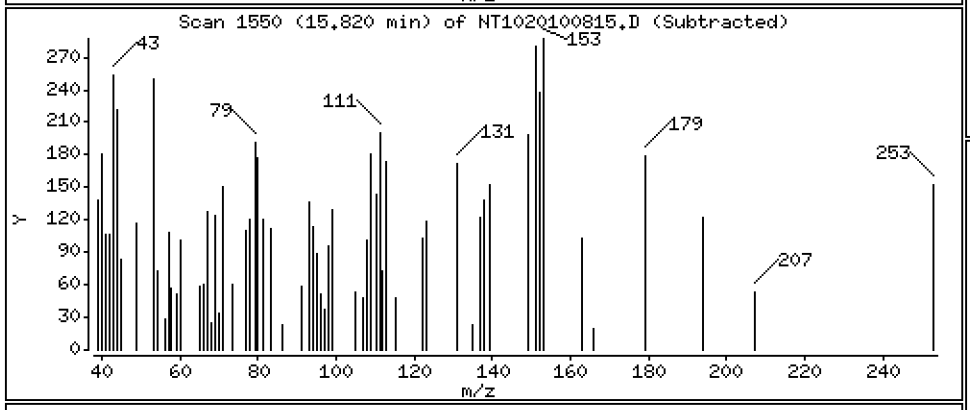
Column phase: ZB-5msi

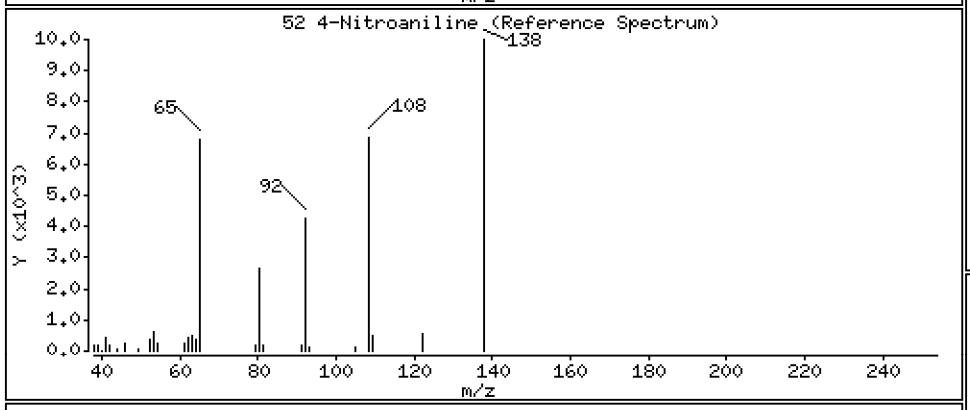
Column diameter: 0.25

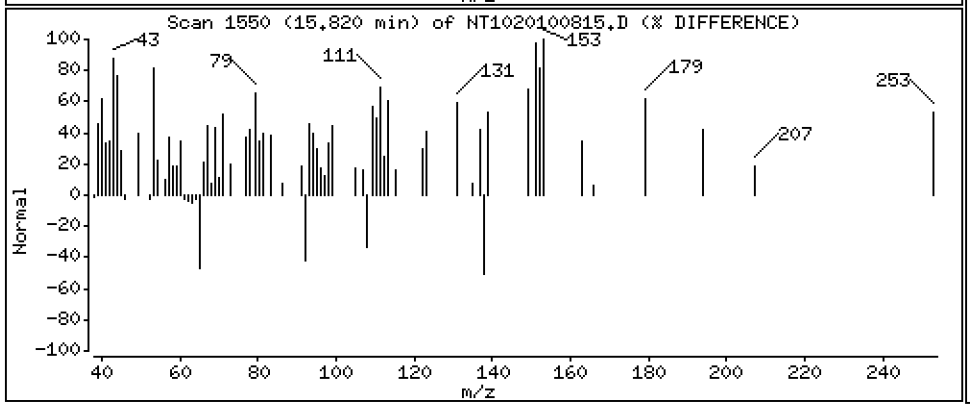
52 4-Nitroaniline

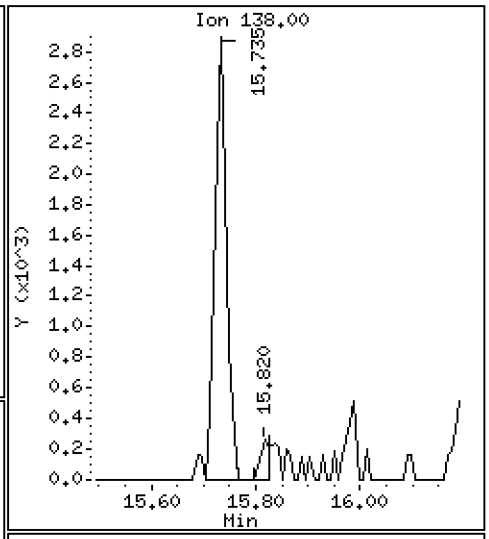
Concentration: 0.02625 ug/mL

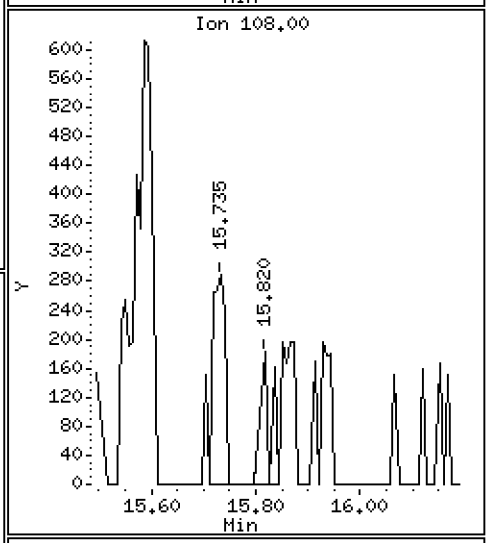


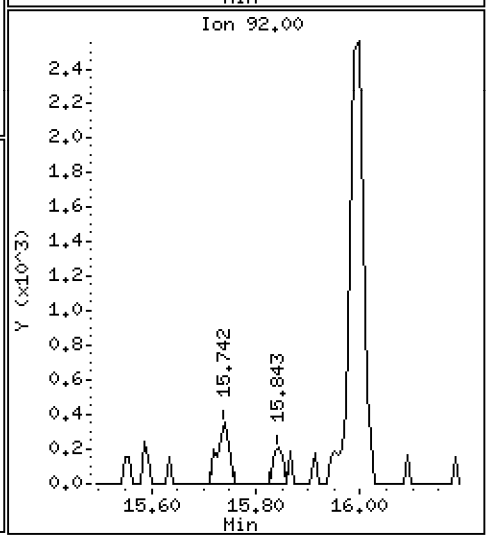












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

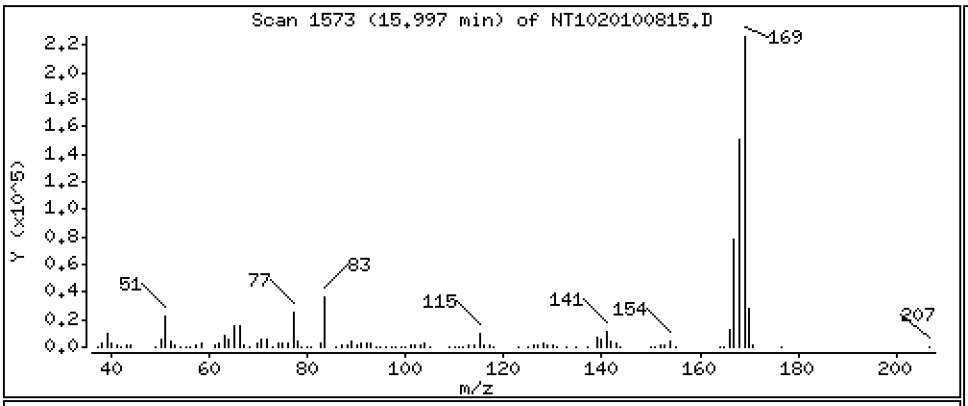
Operator: VTS

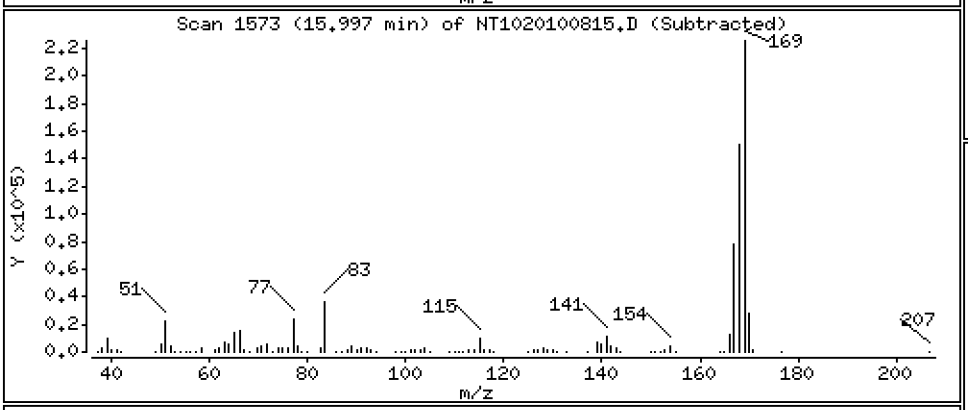
Column phase: ZB-5msi

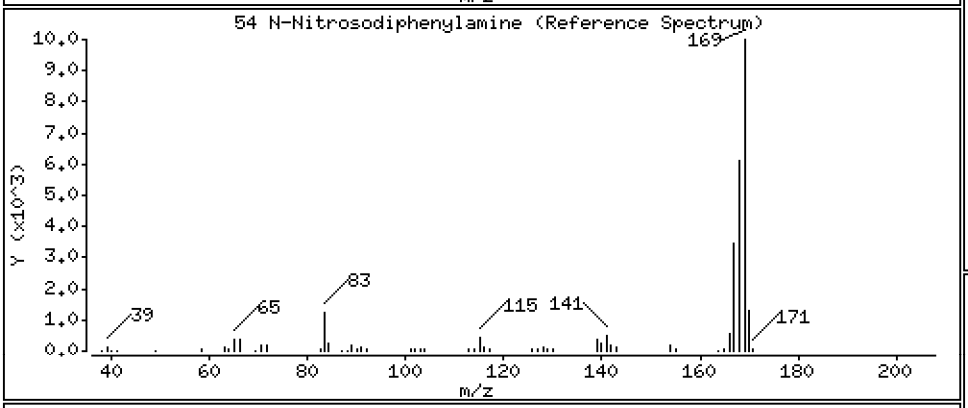
Column diameter: 0.25

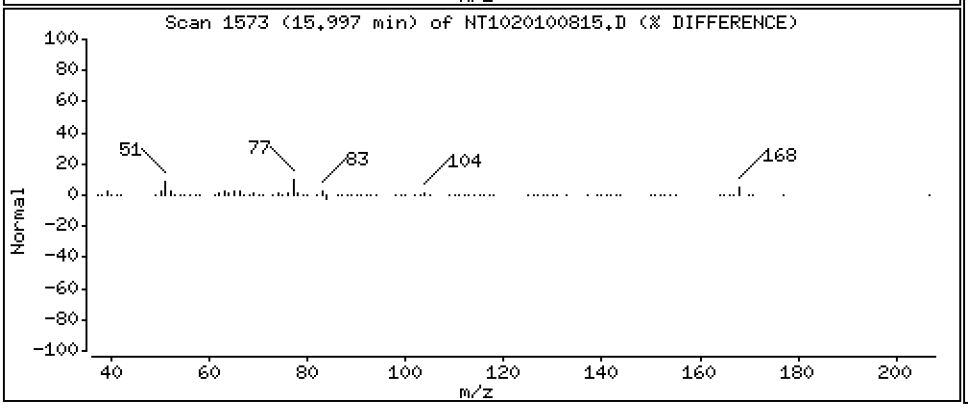
54 N-Nitrosodiphenylamine

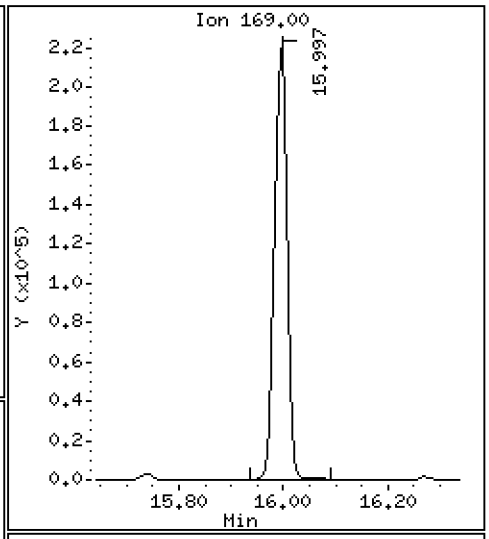
Concentration: 9.648 ug/mL

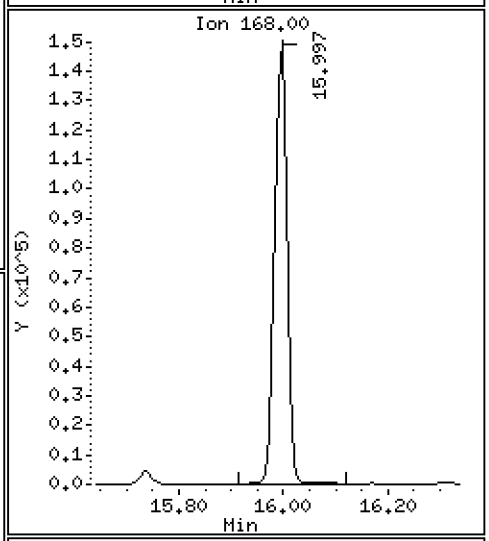


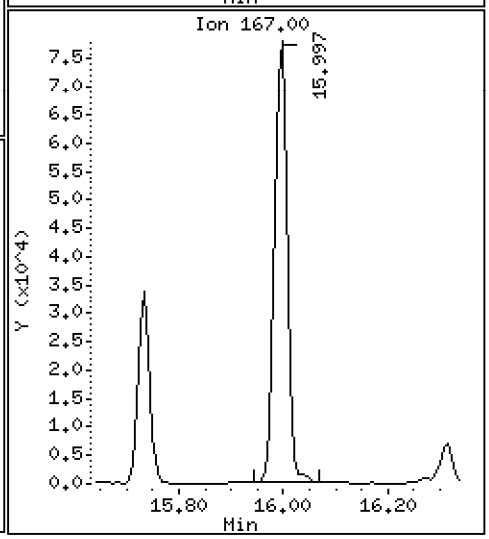












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

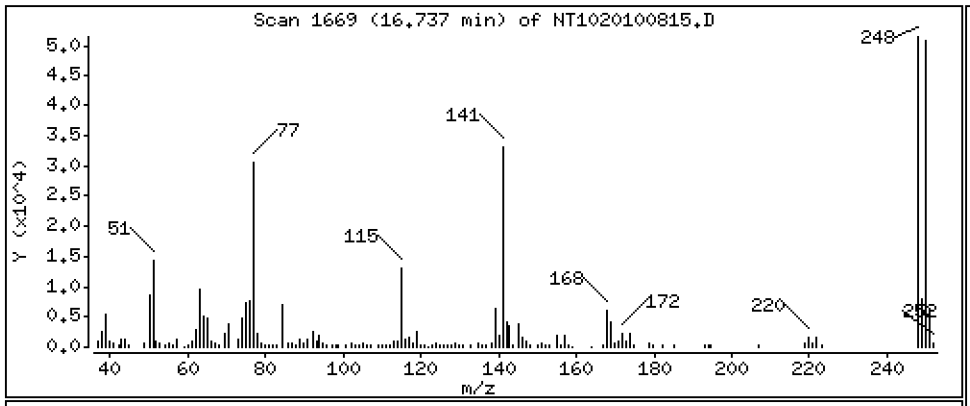
Operator: VTS

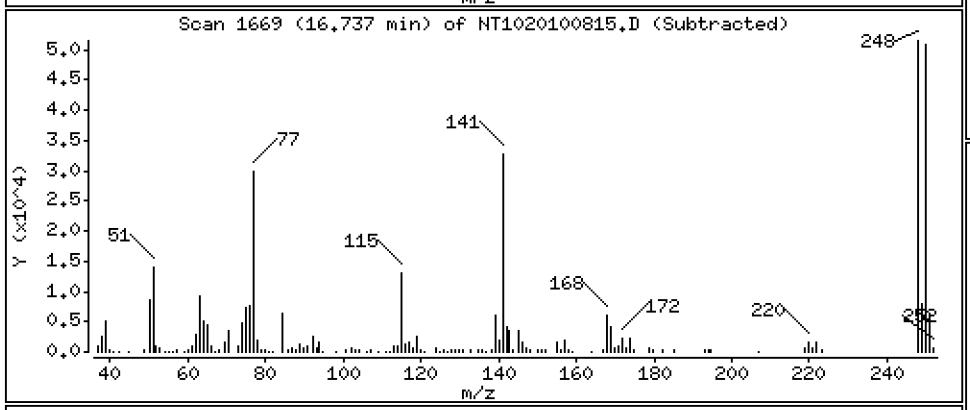
Column phase: ZB-5msi

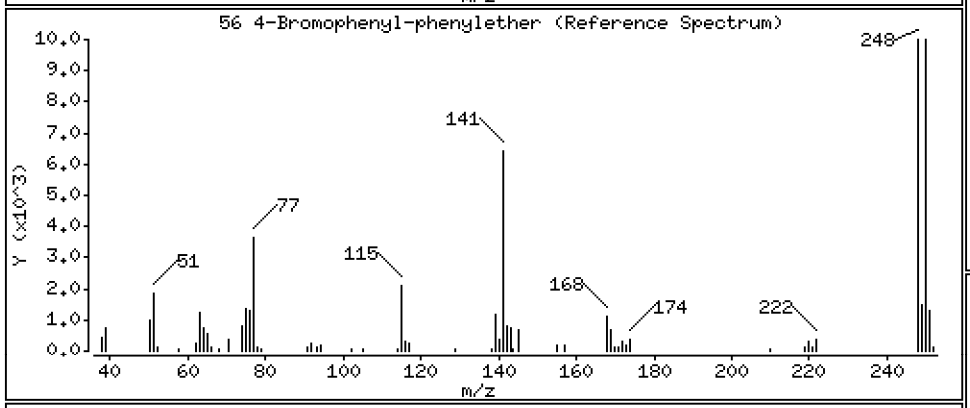
Column diameter: 0.25

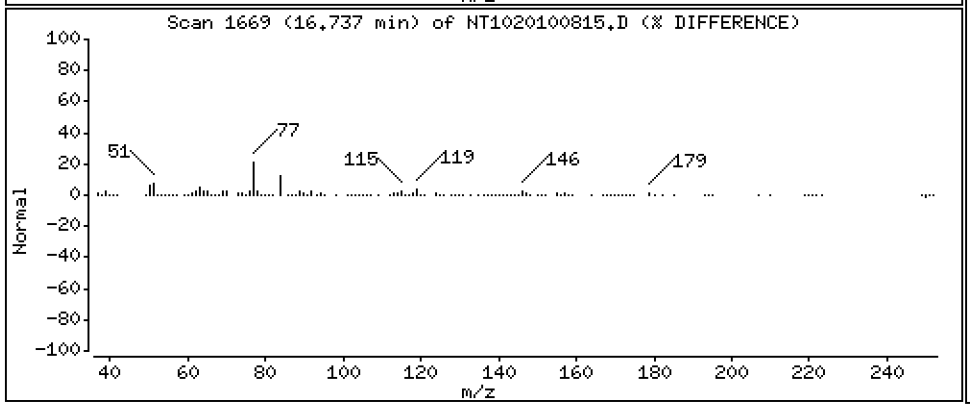
56 4-Bromophenyl-phenylether

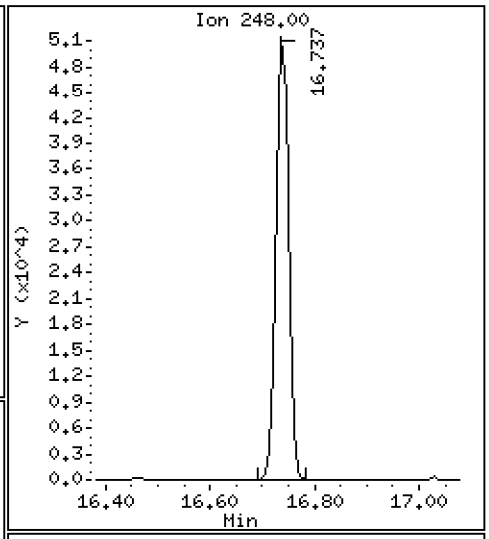
Concentration: 3.197 ug/mL

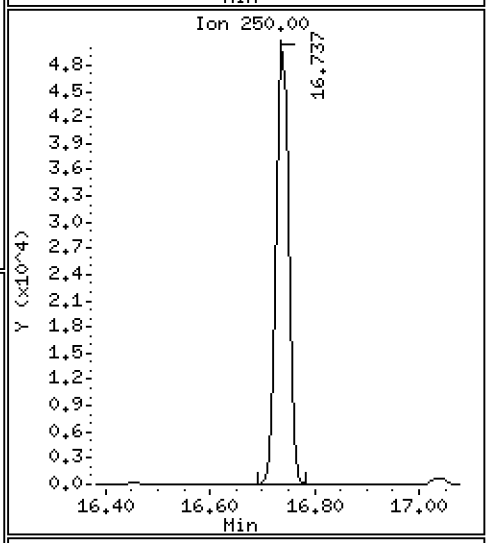


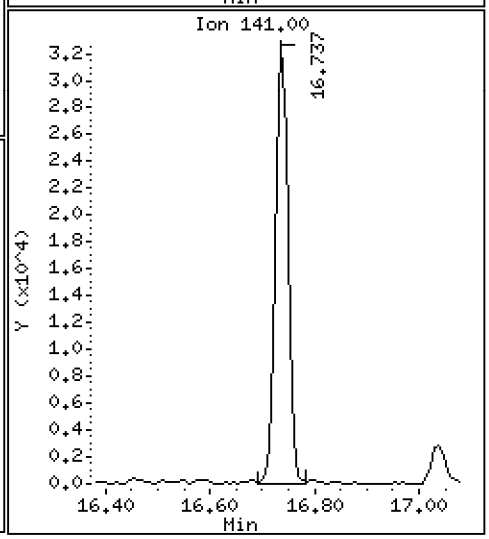












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

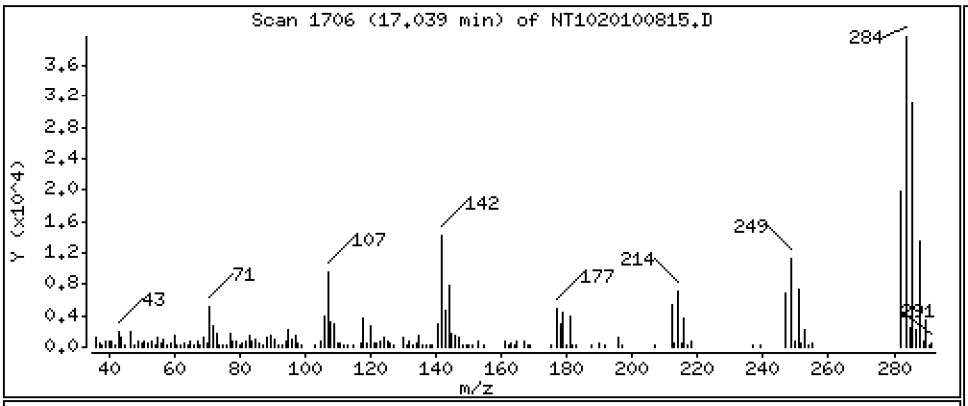
Operator: VTS

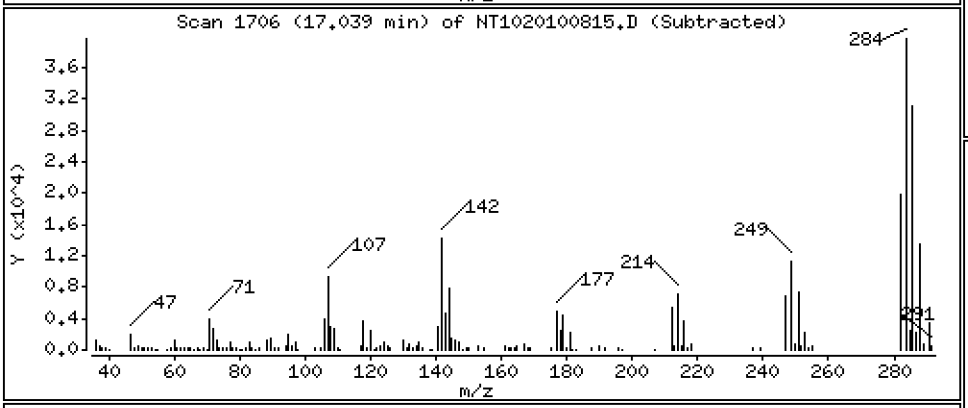
Column phase: ZB-5msi

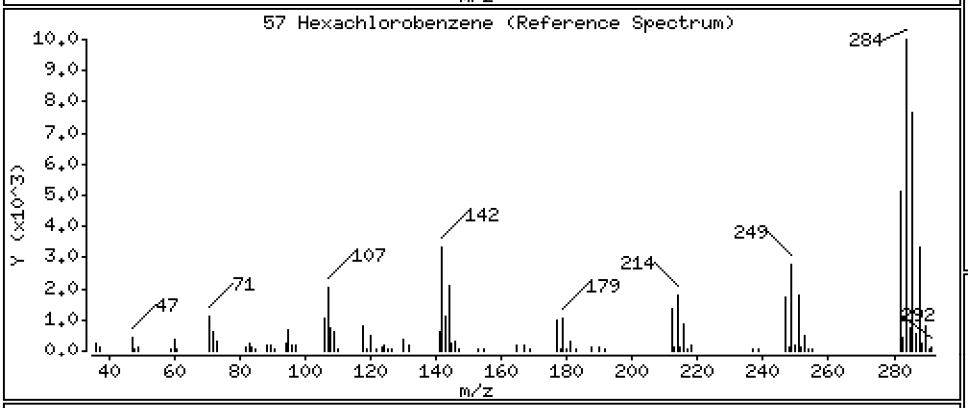
Column diameter: 0.25

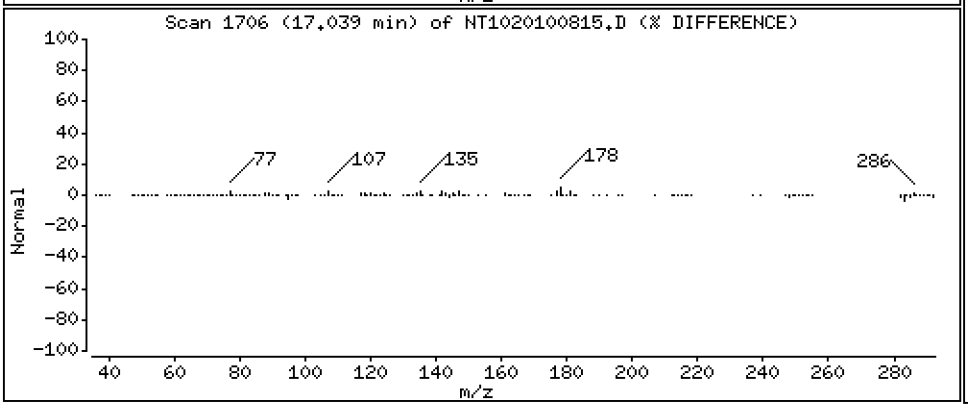
57 Hexachlorobenzene

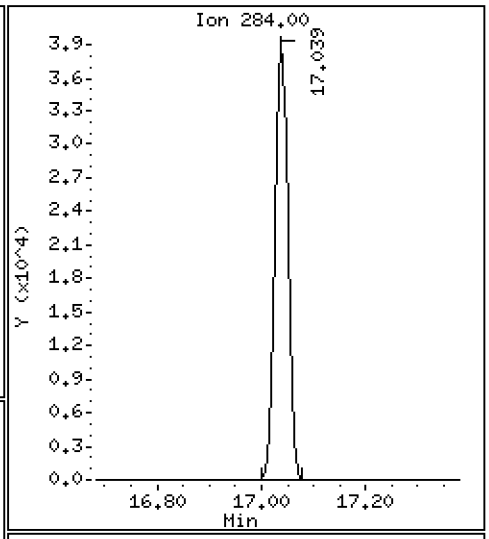
Concentration: 2.576 ug/mL

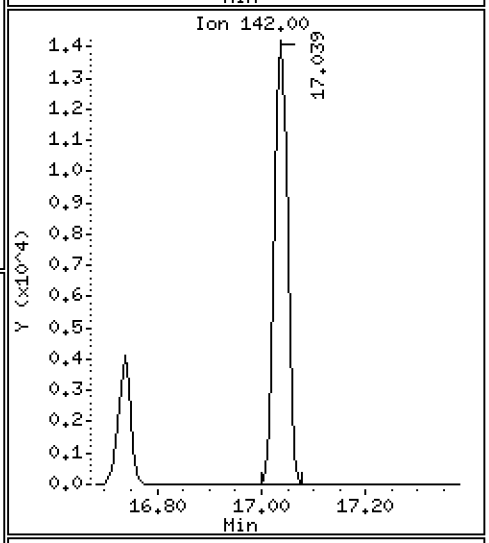


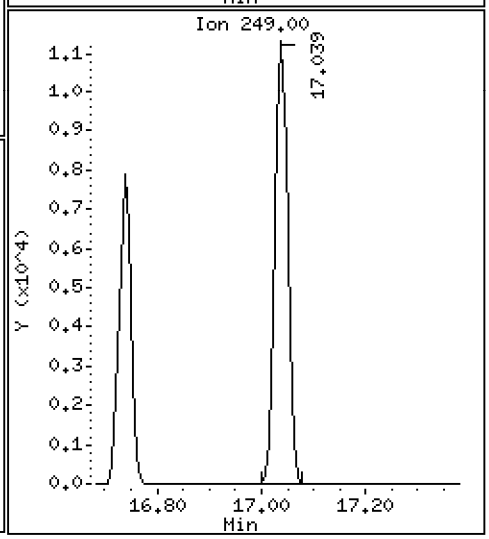












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

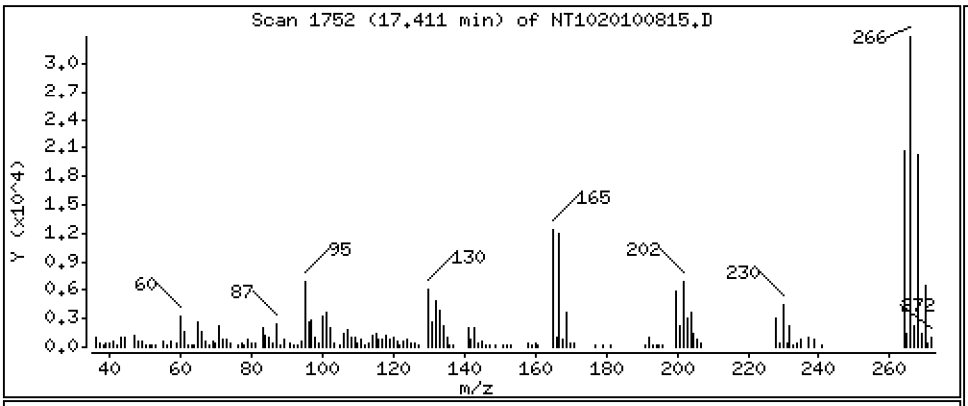
Operator: VTS

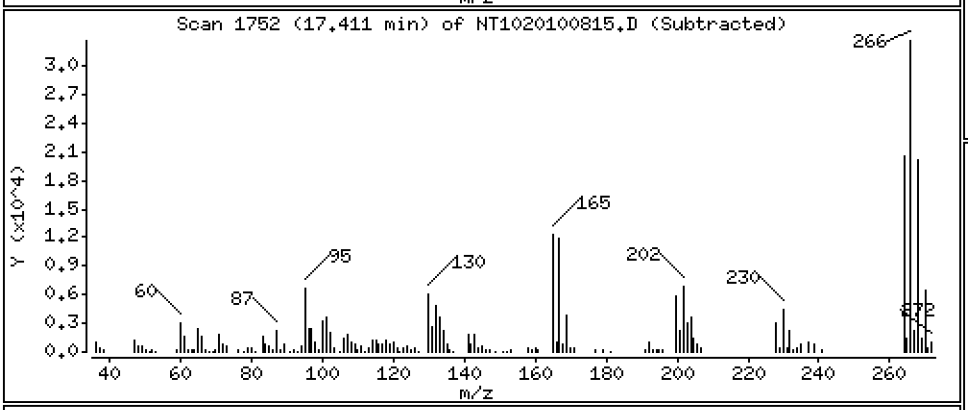
Column phase: ZB-5msi

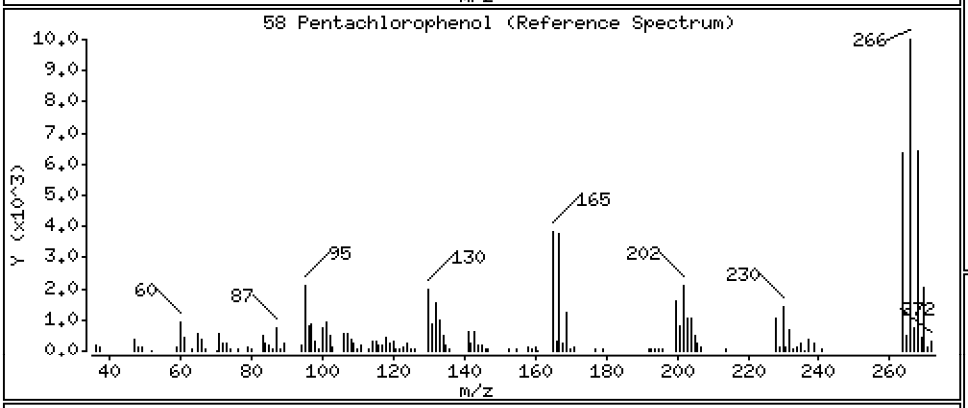
Column diameter: 0.25

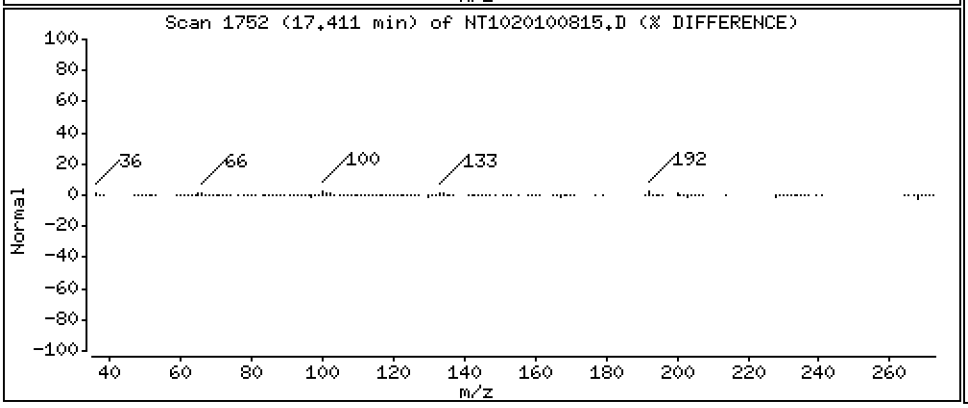
58 Pentachlorophenol

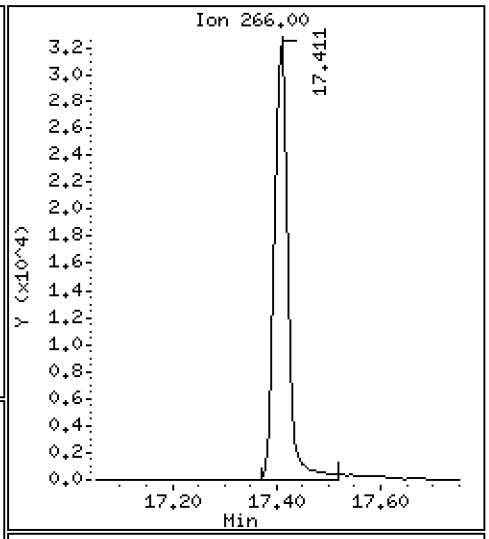
Concentration: 5.569 ug/mL

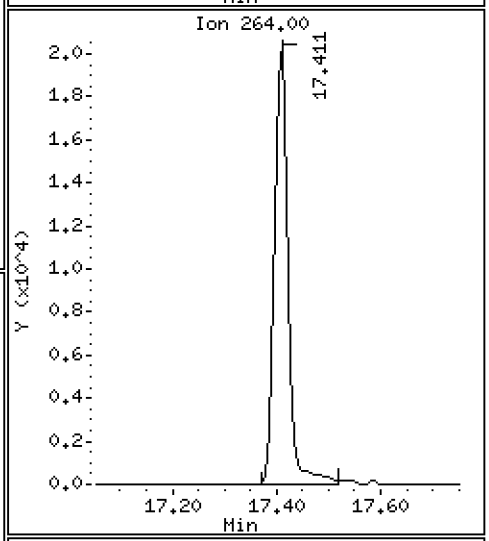


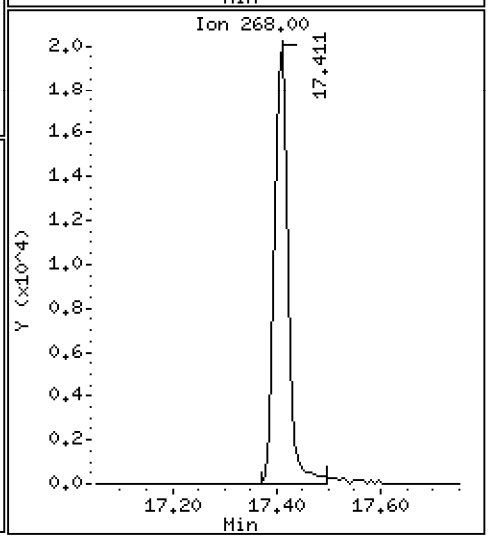












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

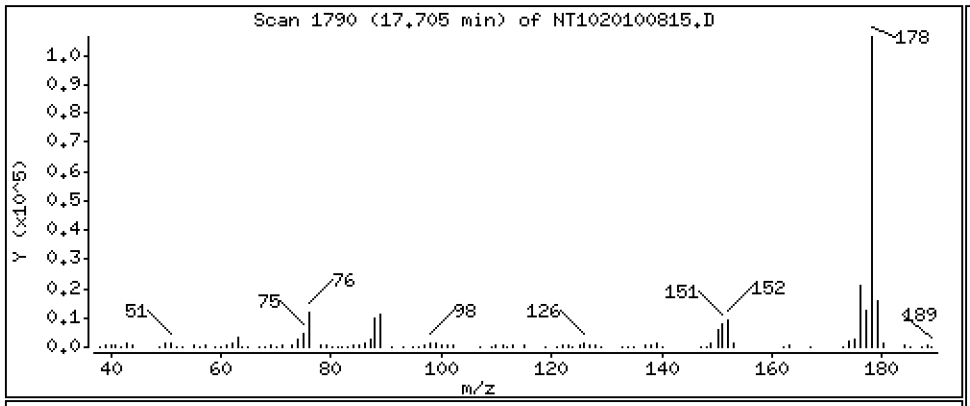
Operator: VTS

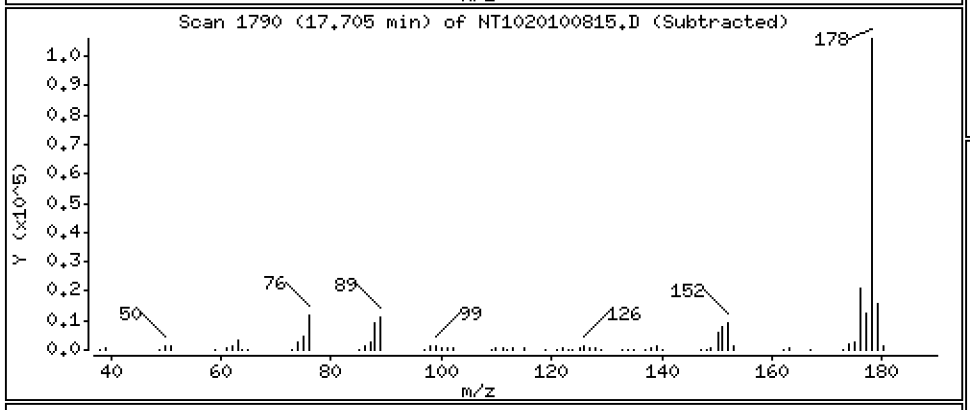
Column phase: ZB-5msi

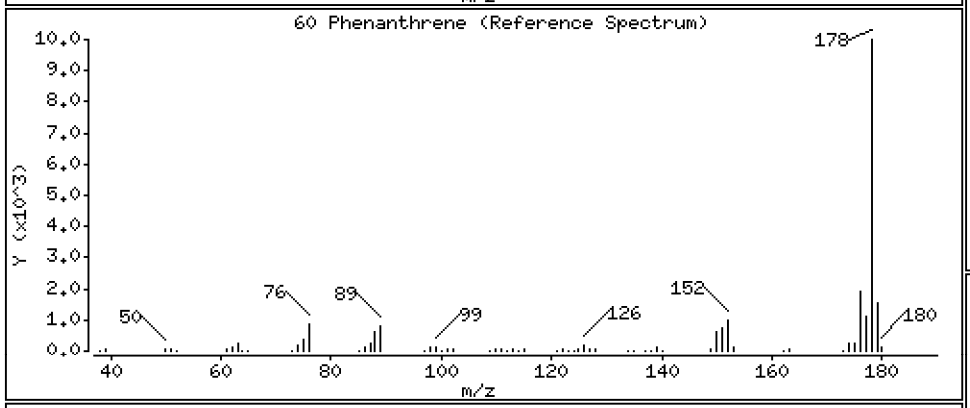
Column diameter: 0.25

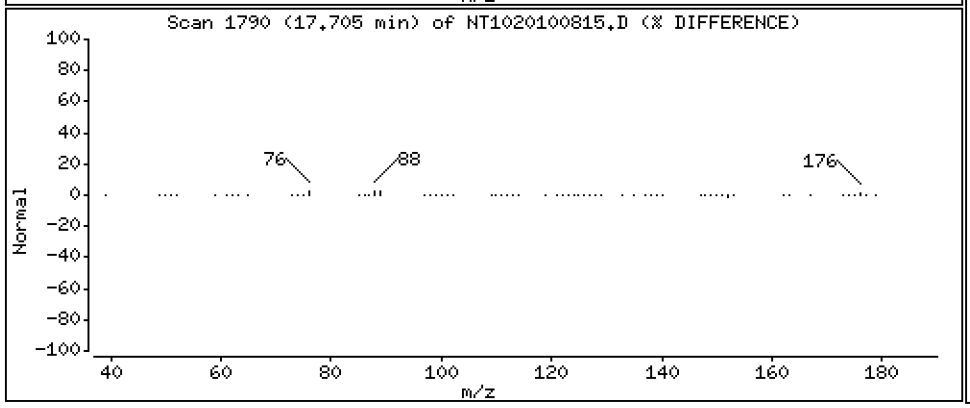
60 Phenanthrene

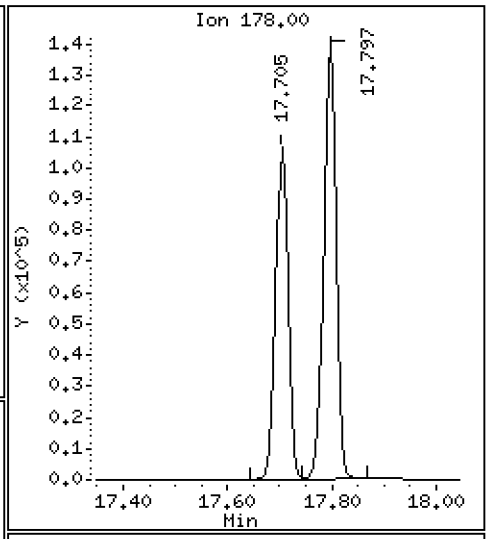
Concentration: 2.254 ug/mL

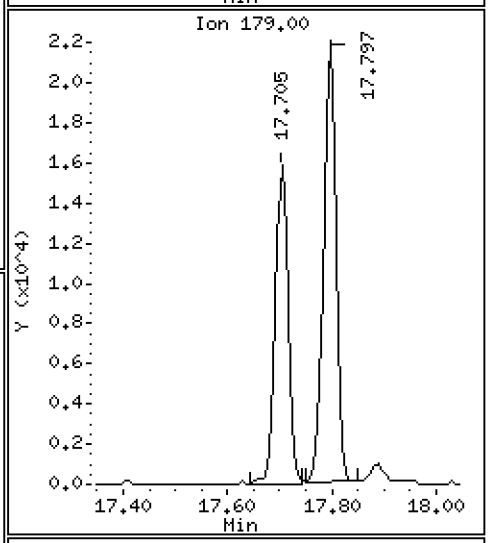


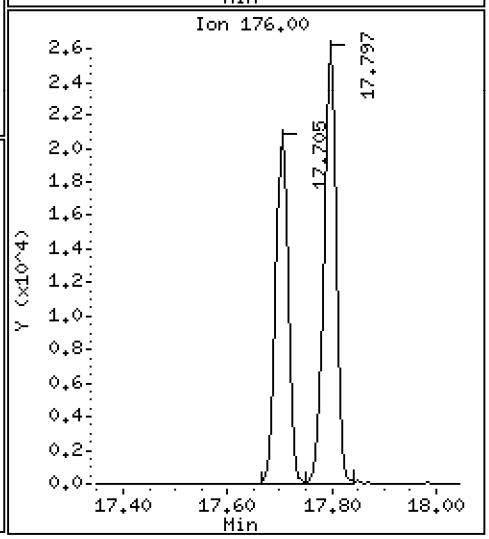












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

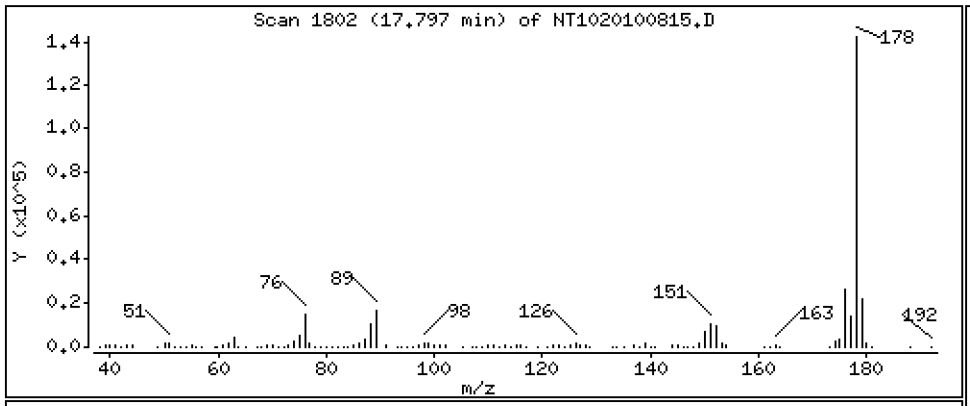
Operator: VTS

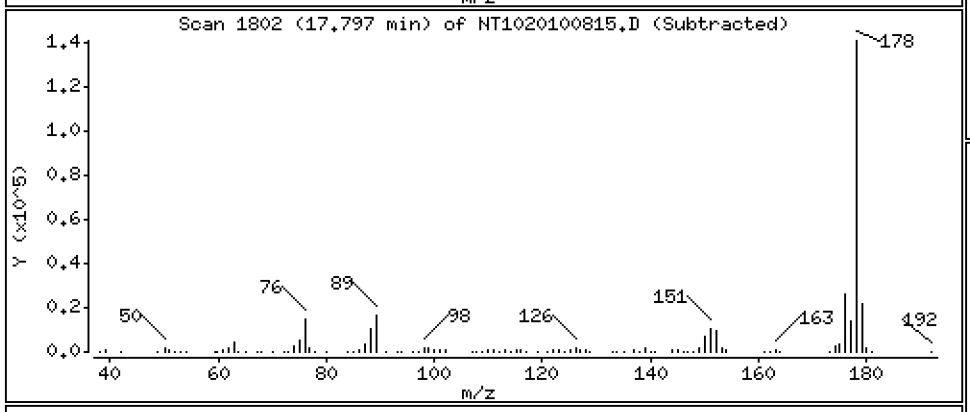
Column phase: ZB-5msi

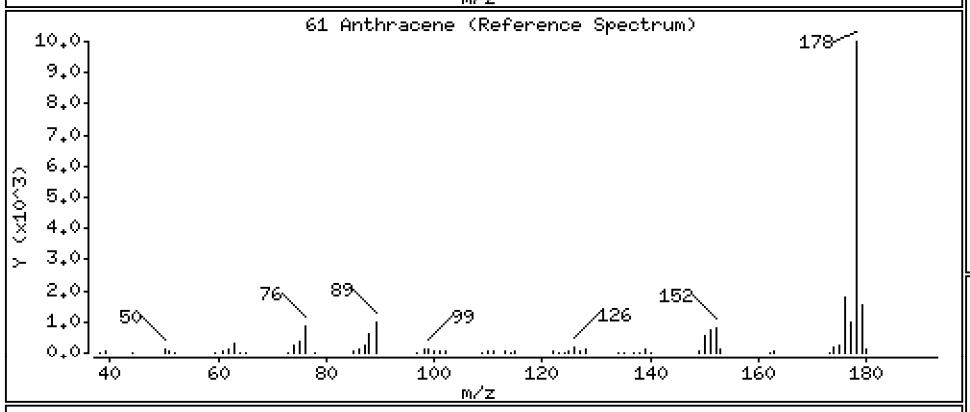
Column diameter: 0.25

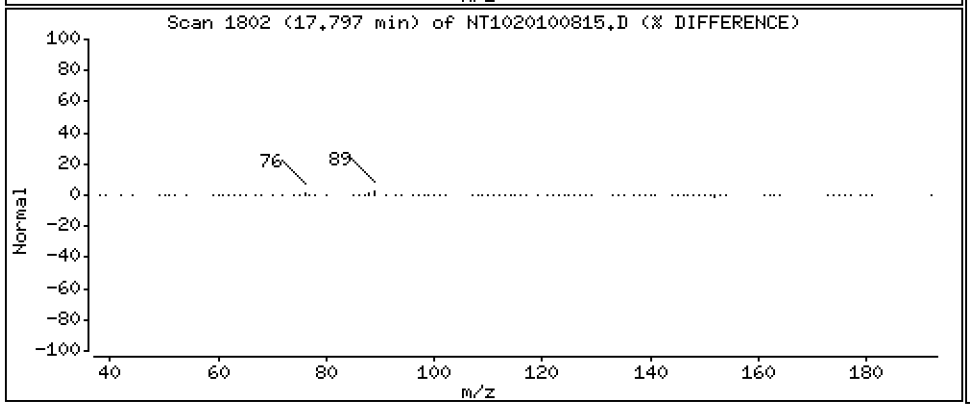
61 Anthracene

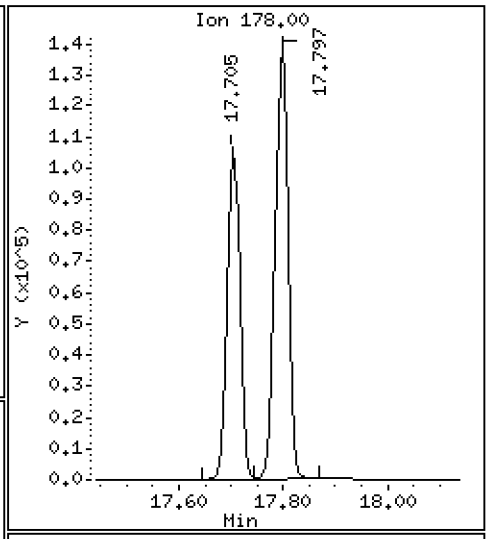
Concentration: 2.890 ug/mL

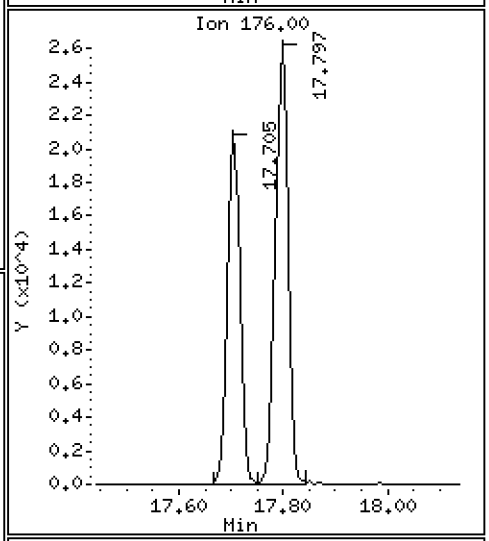


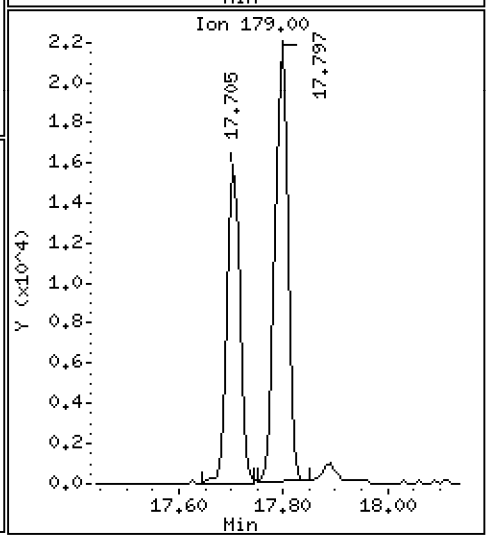












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

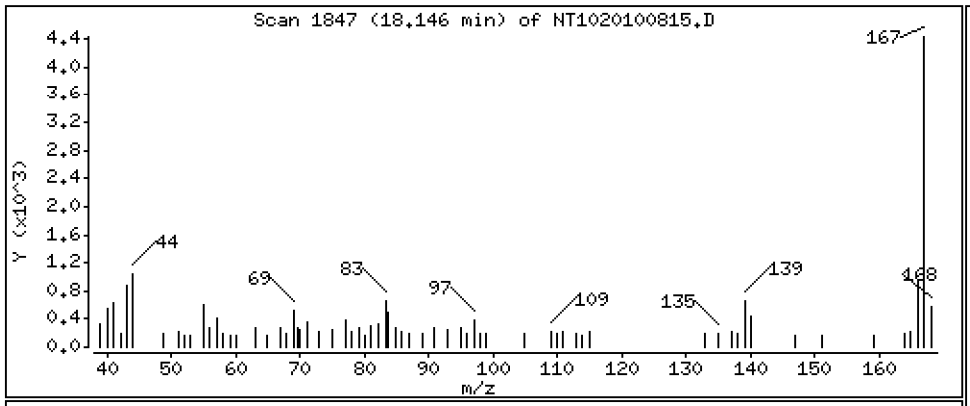
Operator: VTS

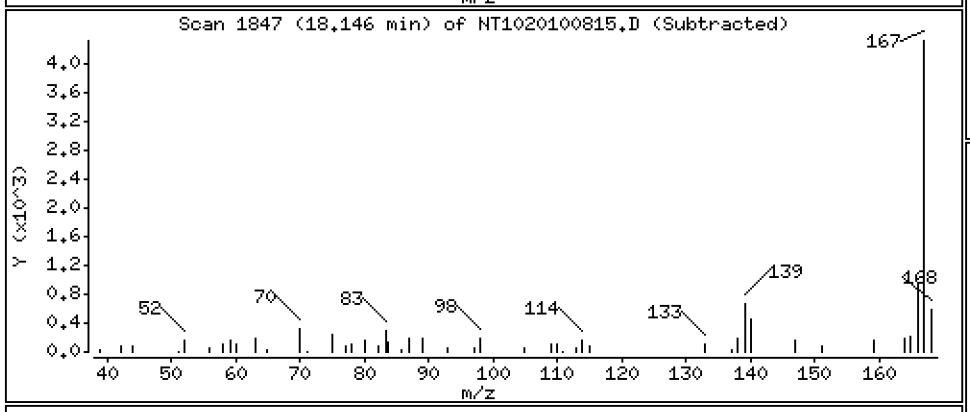
Column phase: ZB-5msi

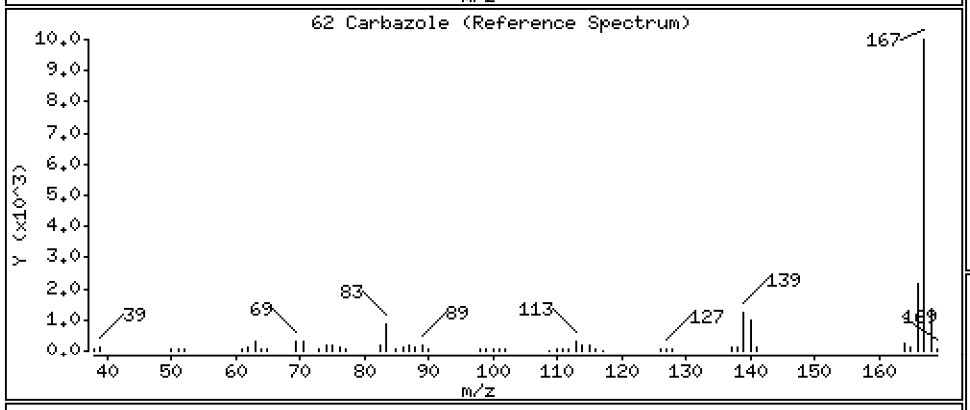
Column diameter: 0.25

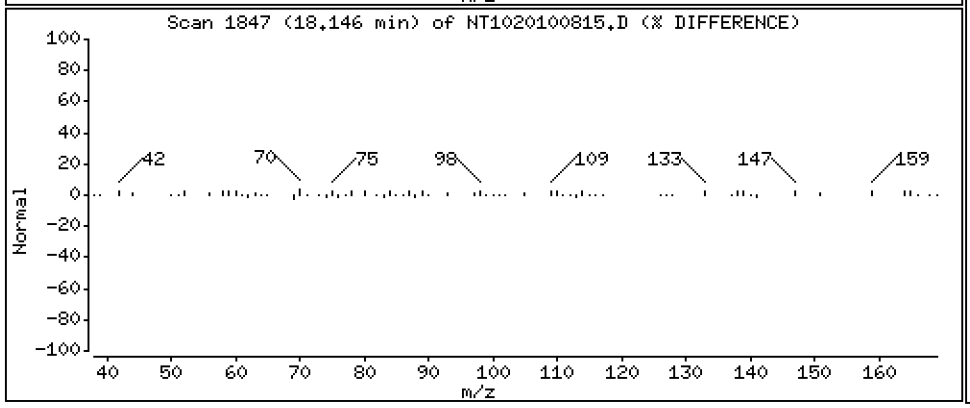
62 Carbazole

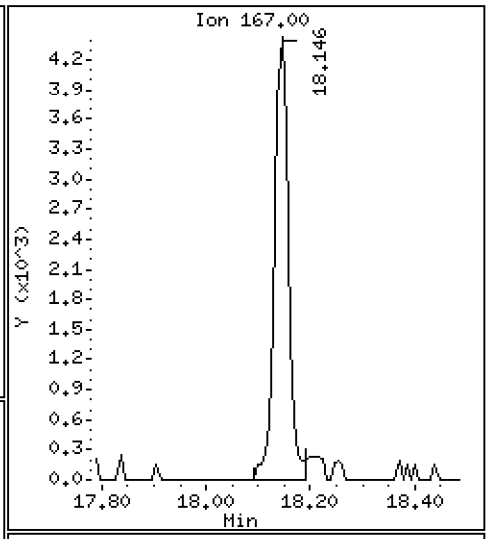
Concentration: 0.09645 ug/mL

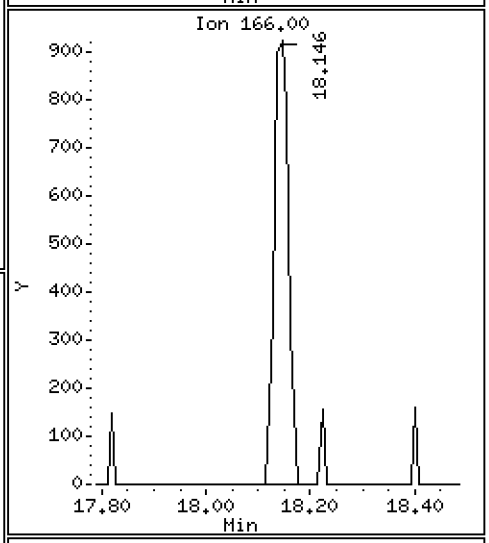


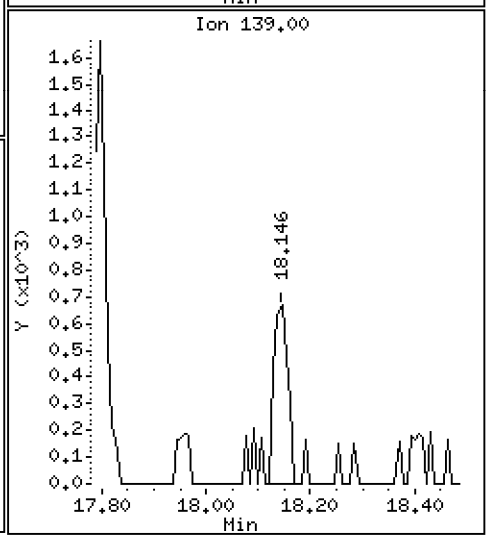












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

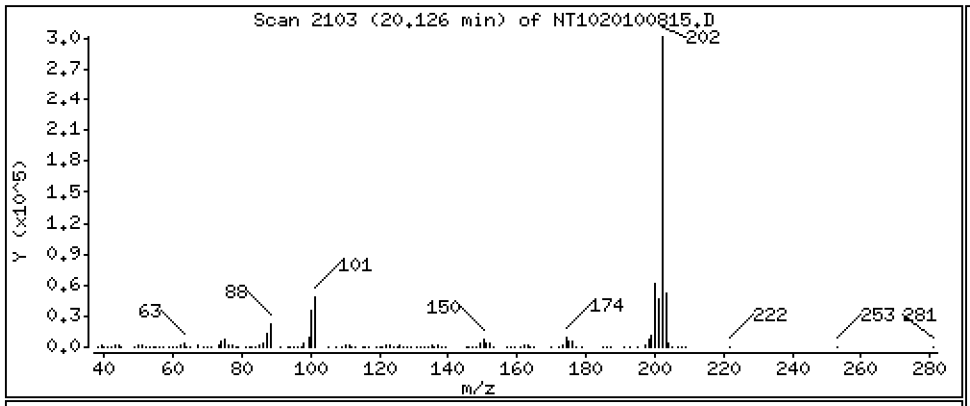
Operator: VTS

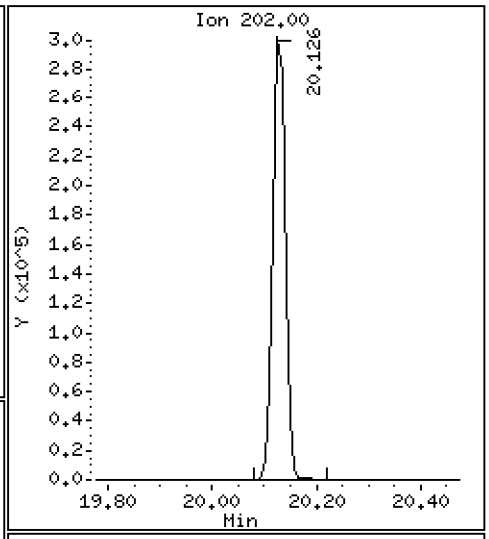
Column phase: ZB-5msi

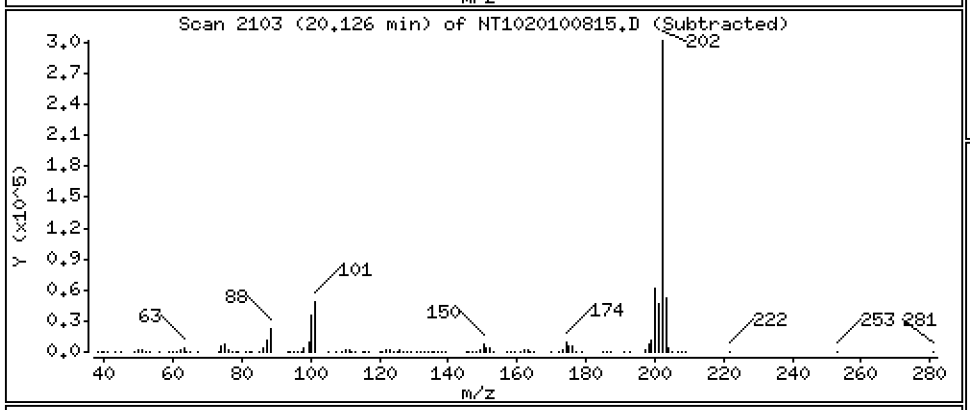
Column diameter: 0.25

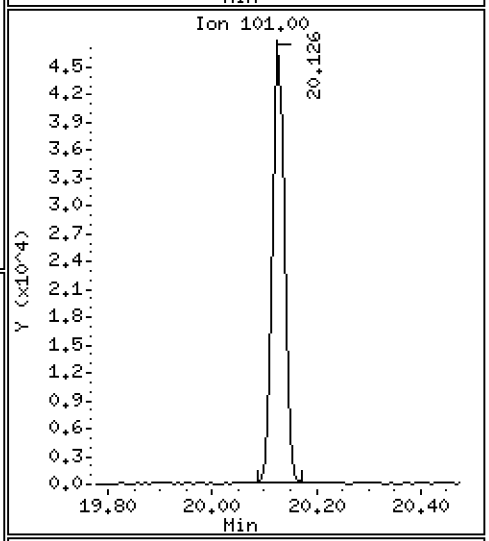
64 Fluoranthene

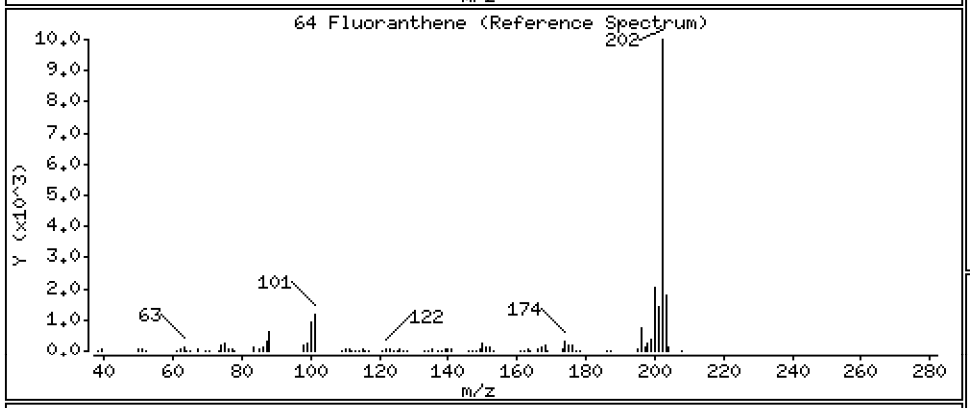
Concentration: 3.966 ug/mL

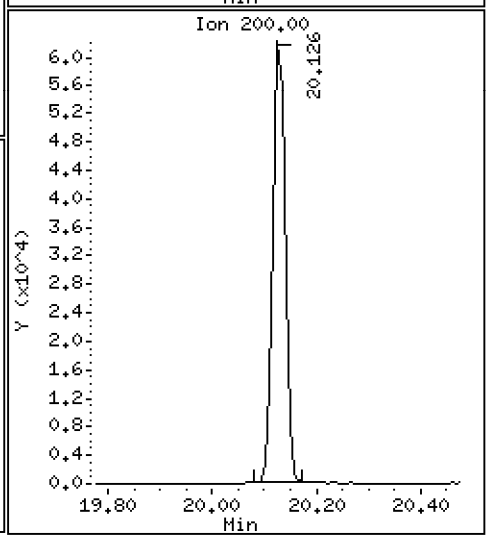


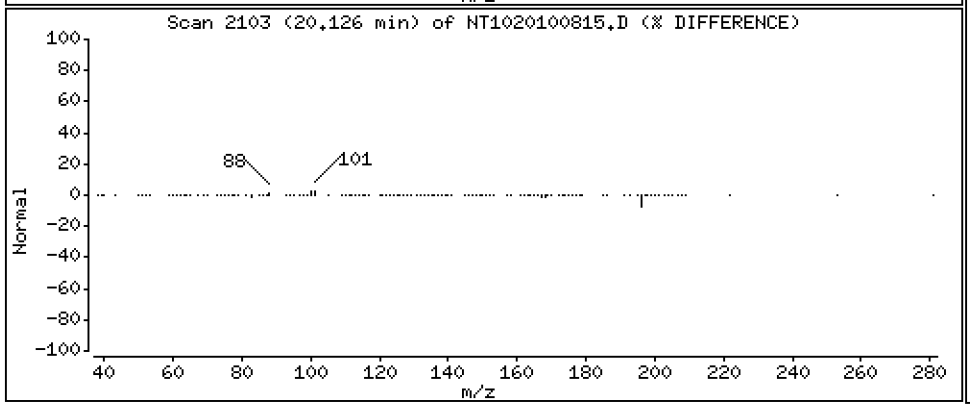












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

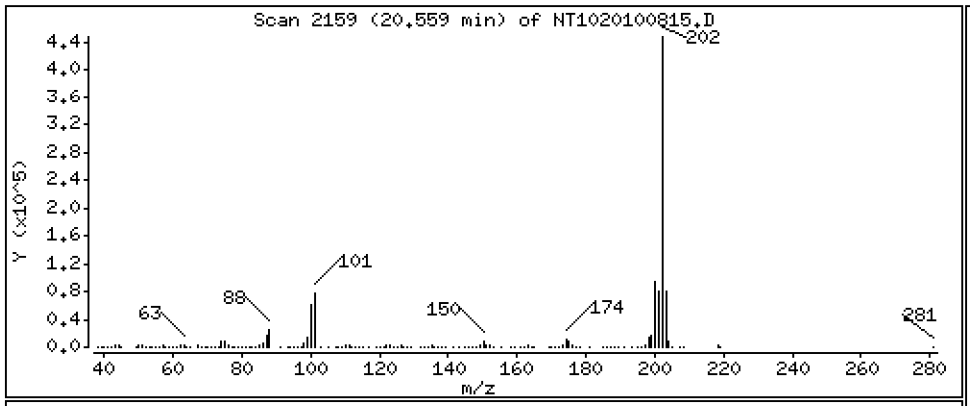
Operator: VTS

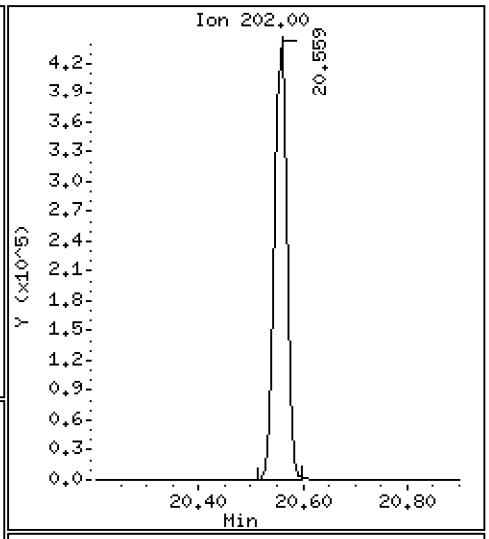
Column phase: ZB-5msi

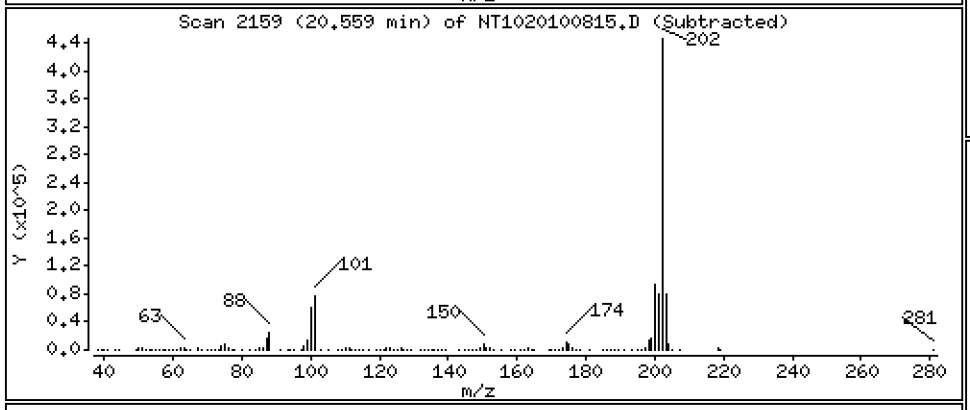
Column diameter: 0.25

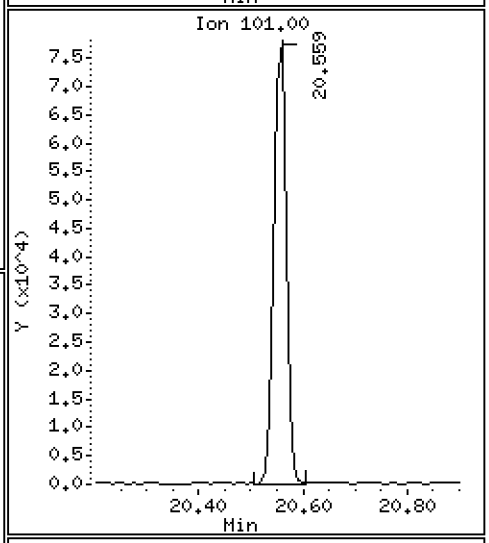
65 Pyrene

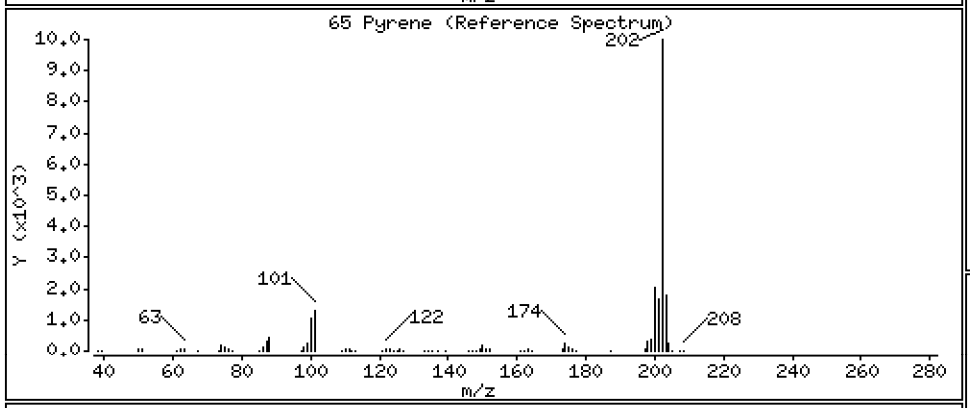
Concentration: 5.688 ug/mL

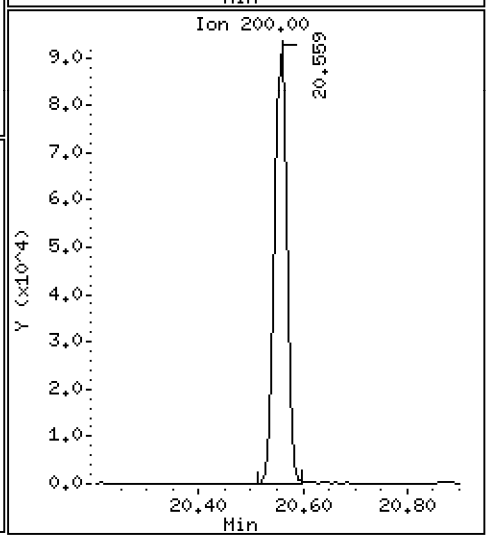


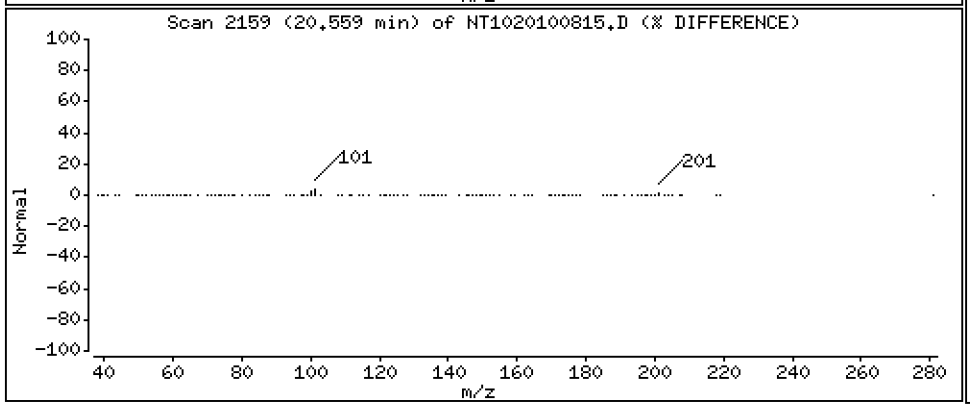












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

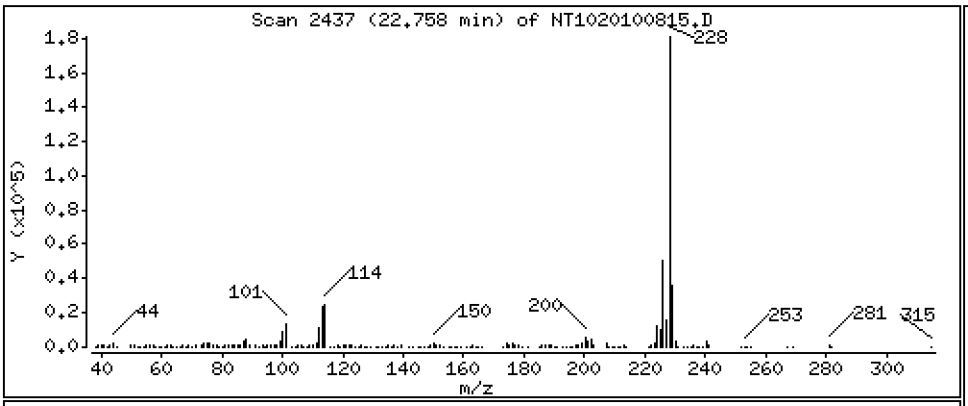
Operator: VTS

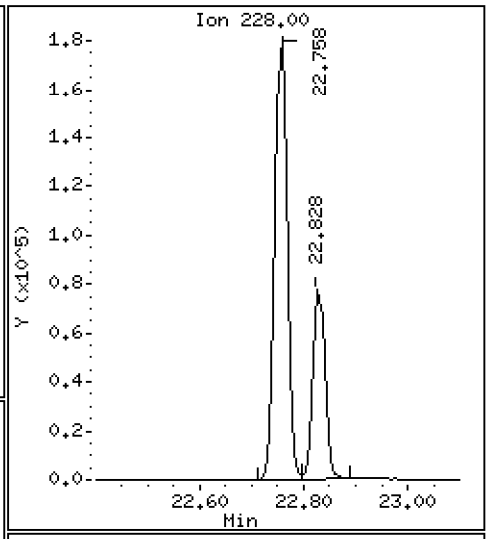
Column phase: ZB-5msi

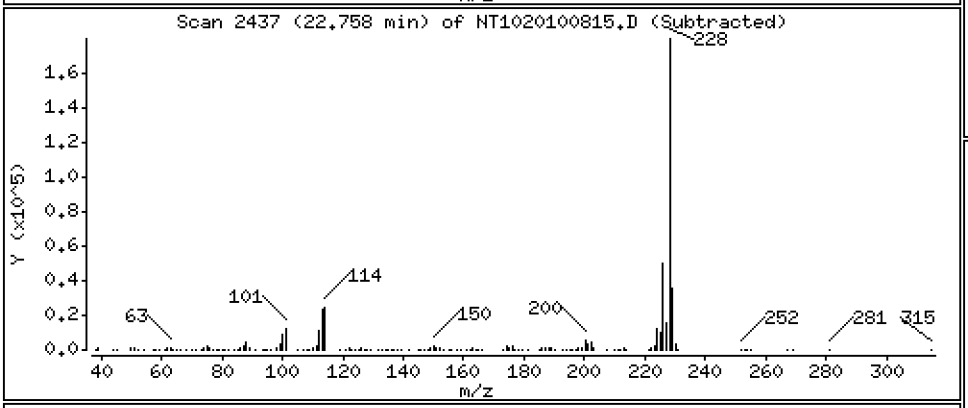
Column diameter: 0.25

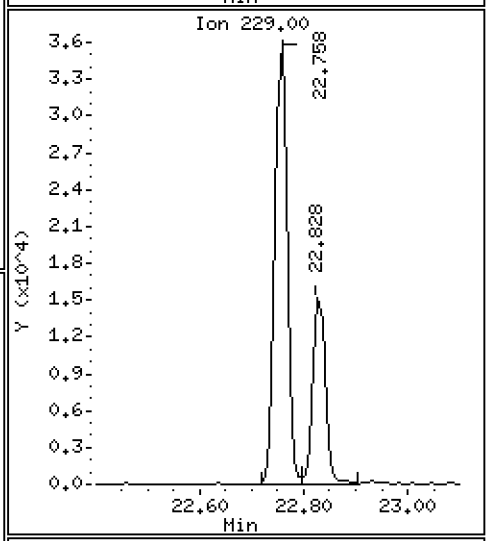
68 Benzo(a)anthracene

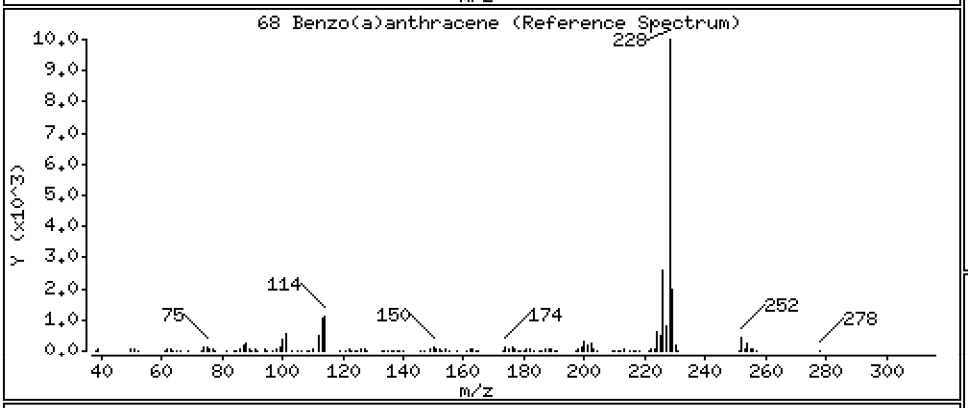
Concentration: 3.367 ug/mL

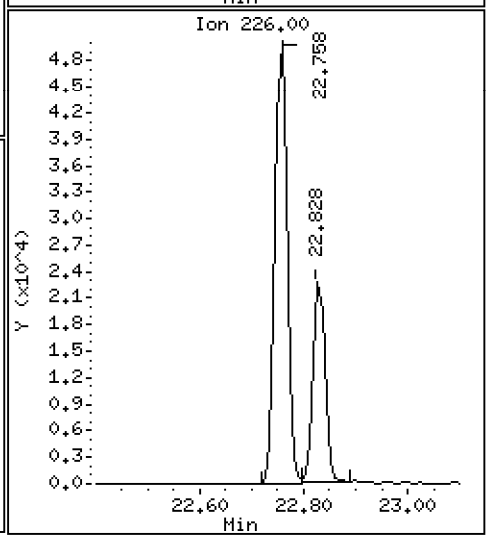


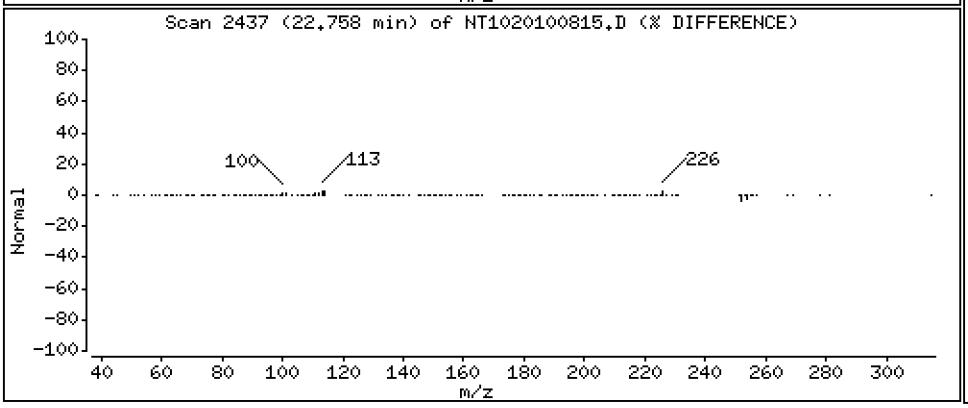












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

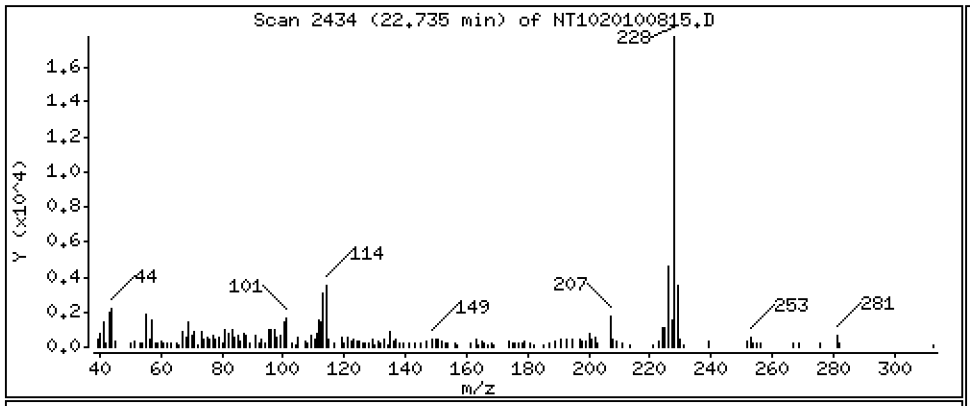
Operator: VTS

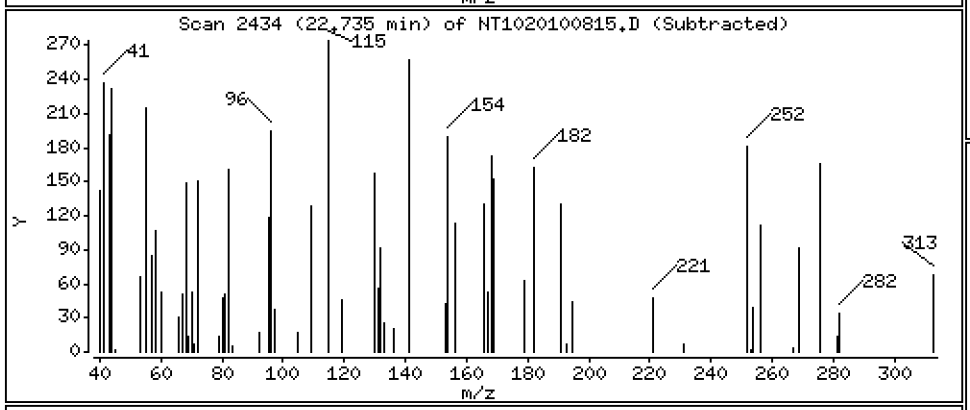
Column phase: ZB-5msi

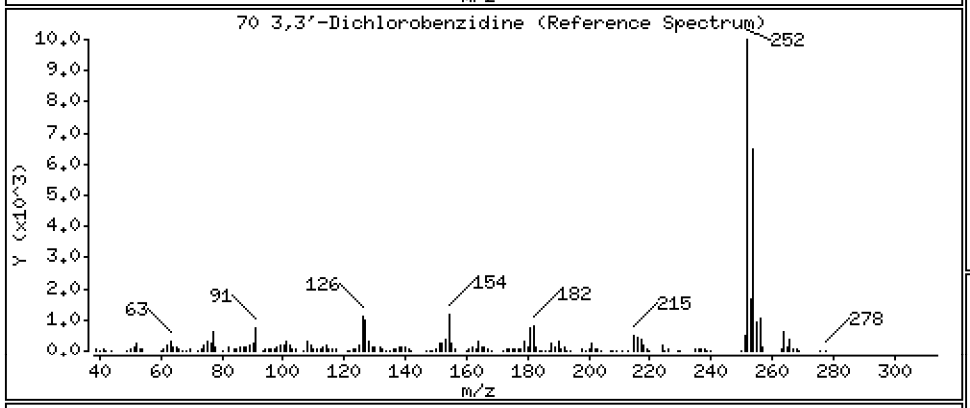
Column diameter: 0.25

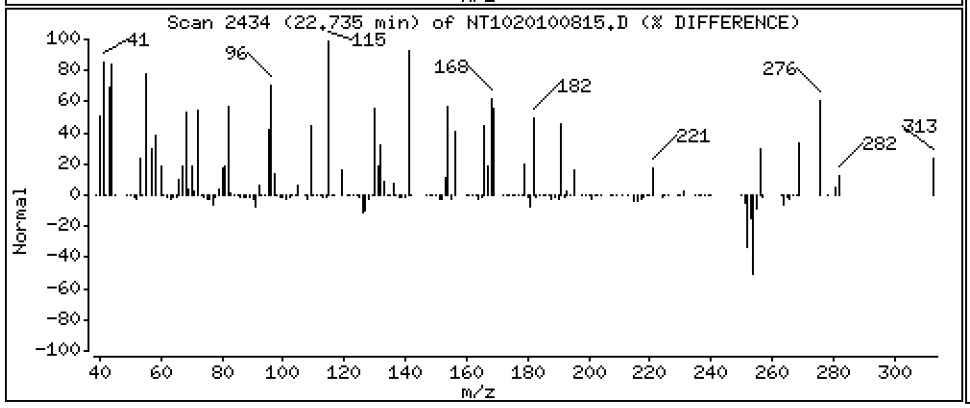
70 3,3'-Dichlorobenzidine

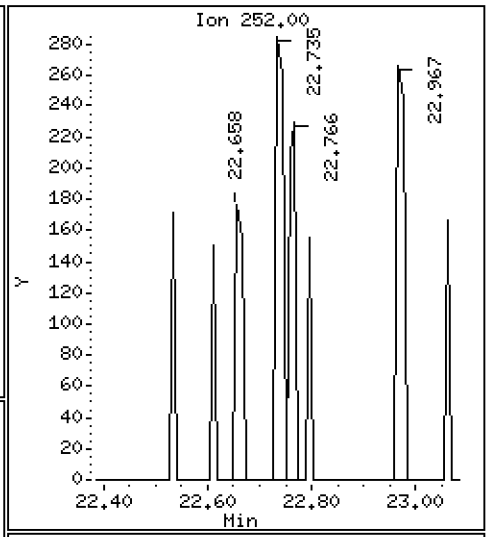
Concentration: 0.008192 ug/mL

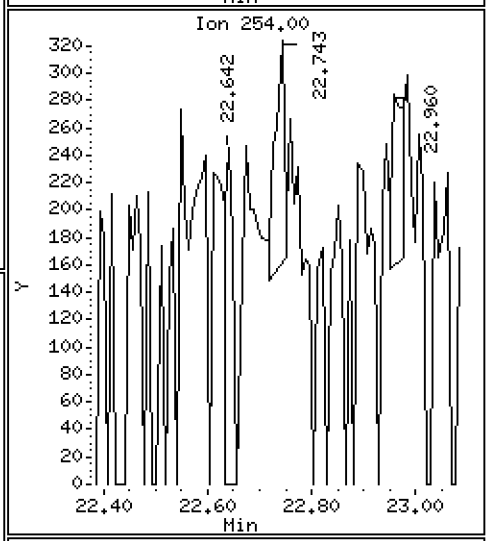


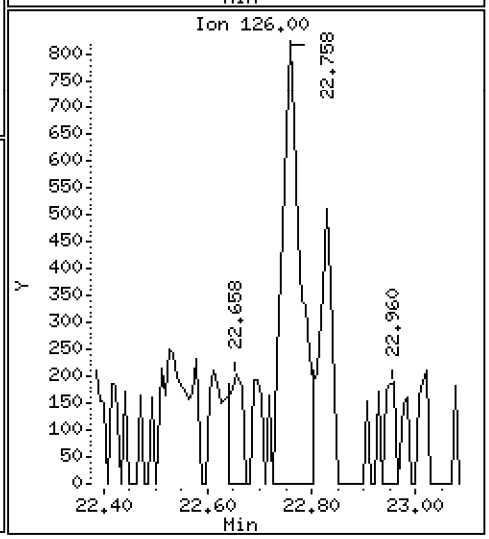












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

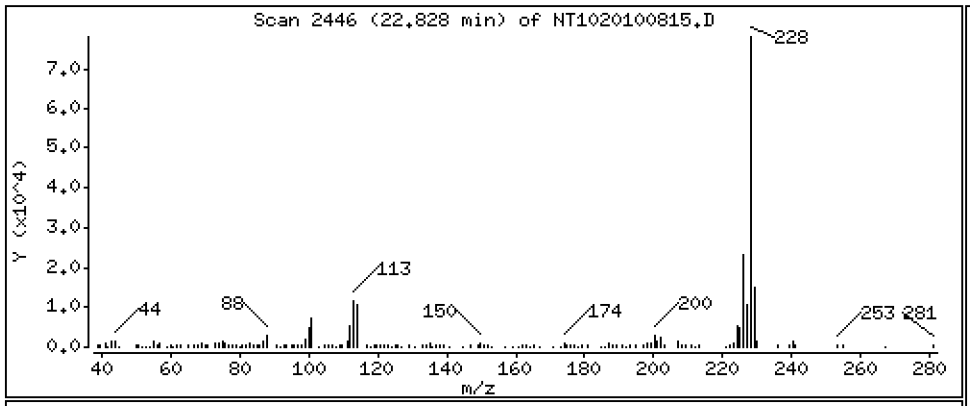
Operator: VTS

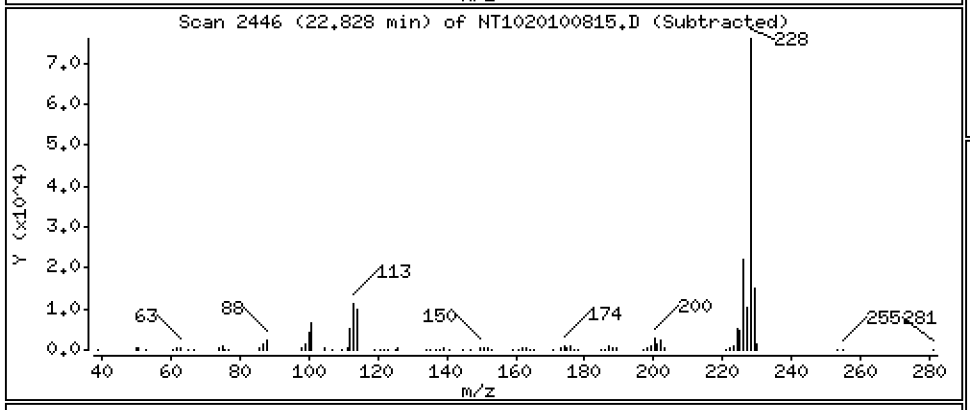
Column phase: ZB-5msi

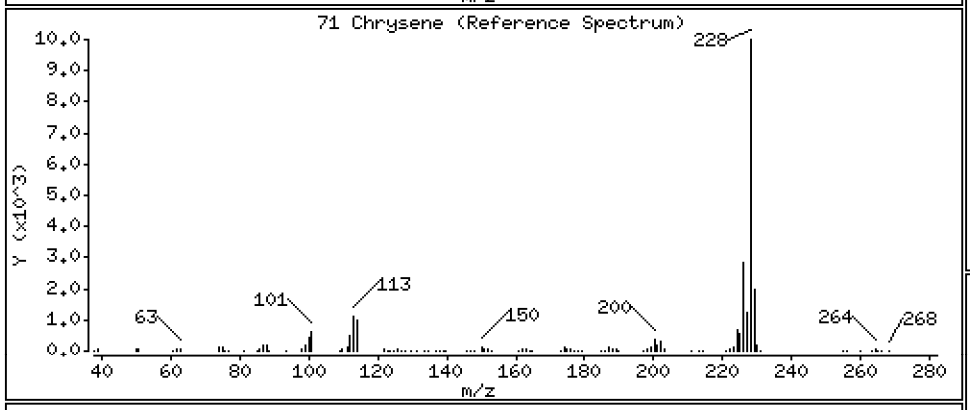
Column diameter: 0.25

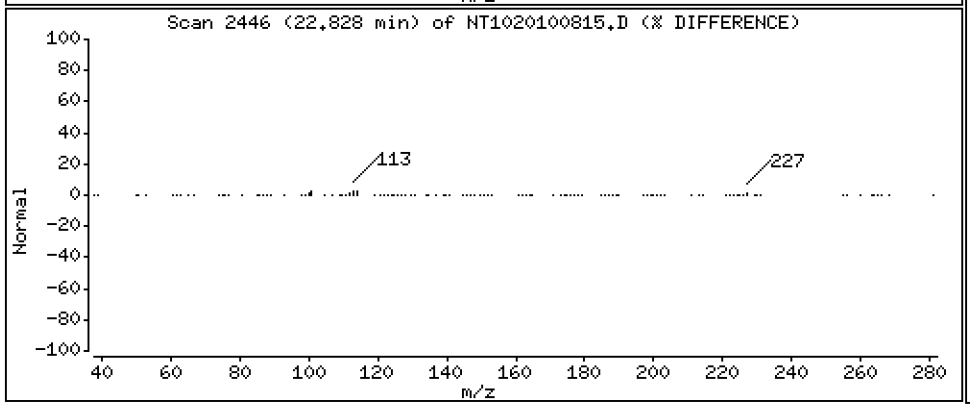
71 Chrysene

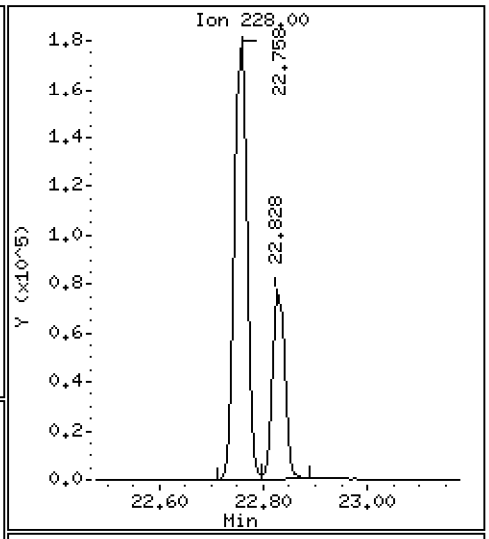
Concentration: 1.741 ug/mL

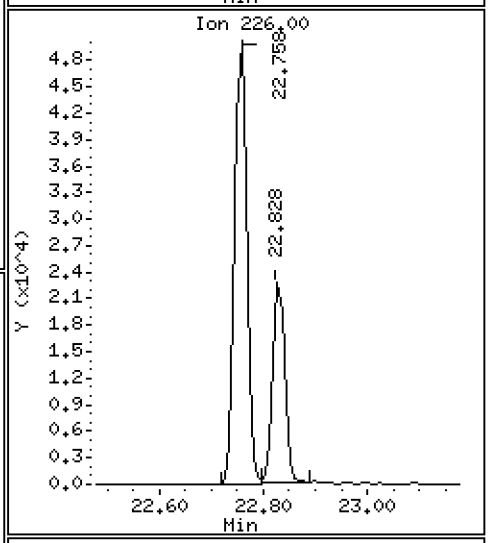


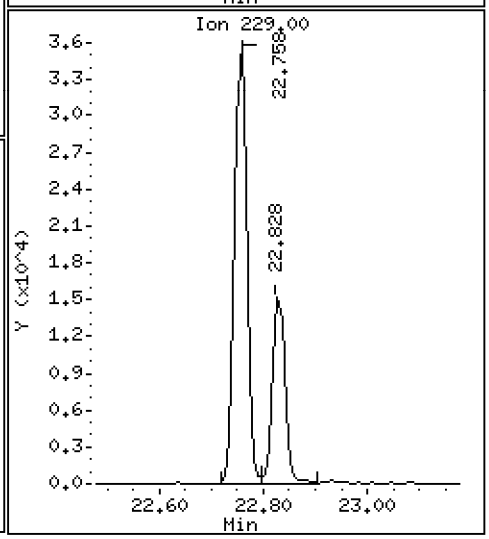












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

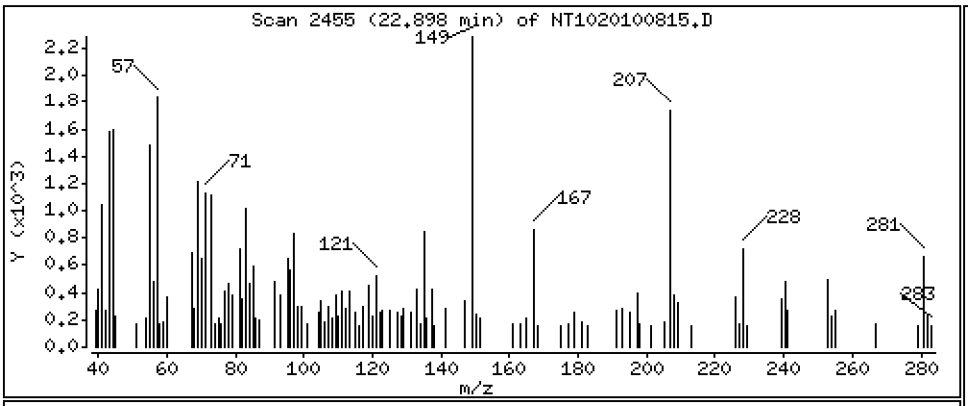
Operator: VTS

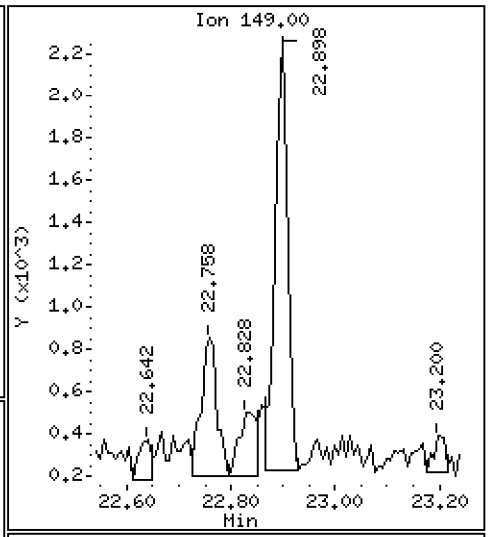
Column phase: ZB-5msi

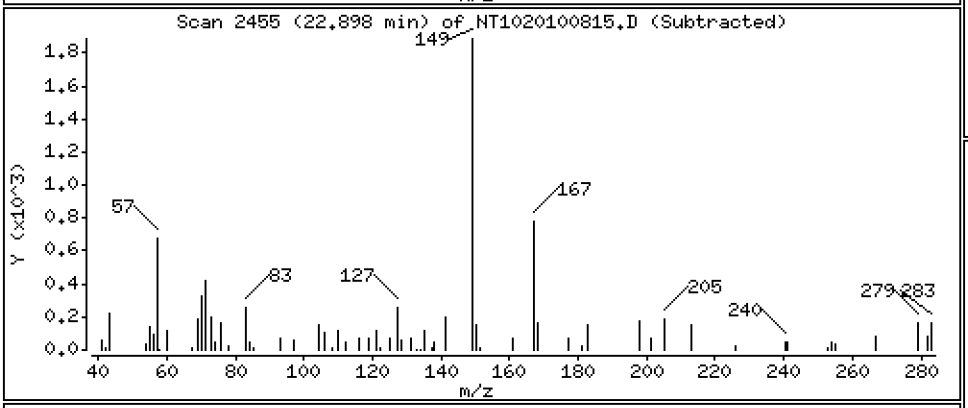
Column diameter: 0.25

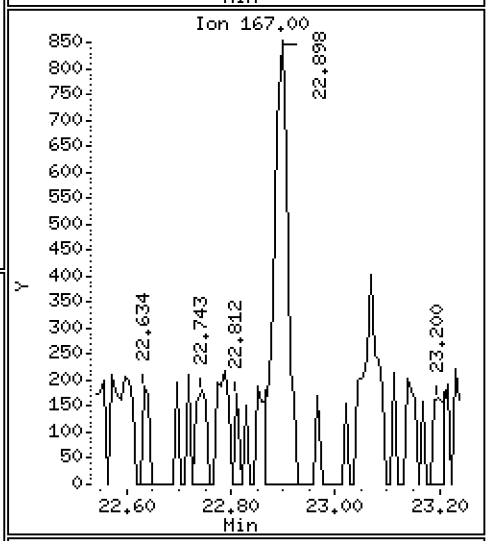
72 bis(2-Ethylhexyl)phthalate

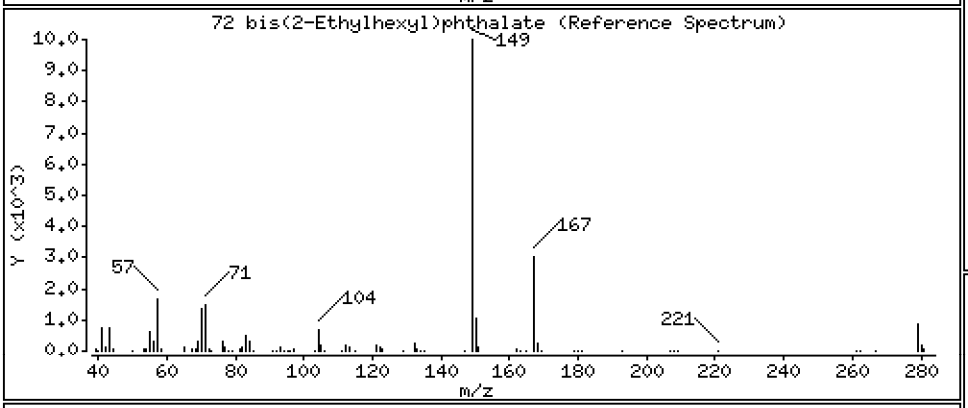
Concentration: 0.05424 ug/mL

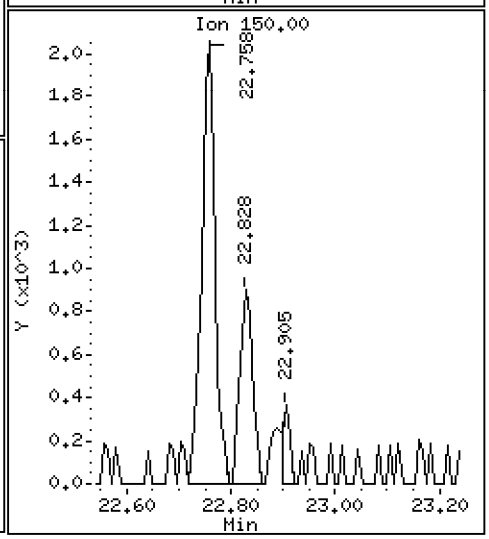


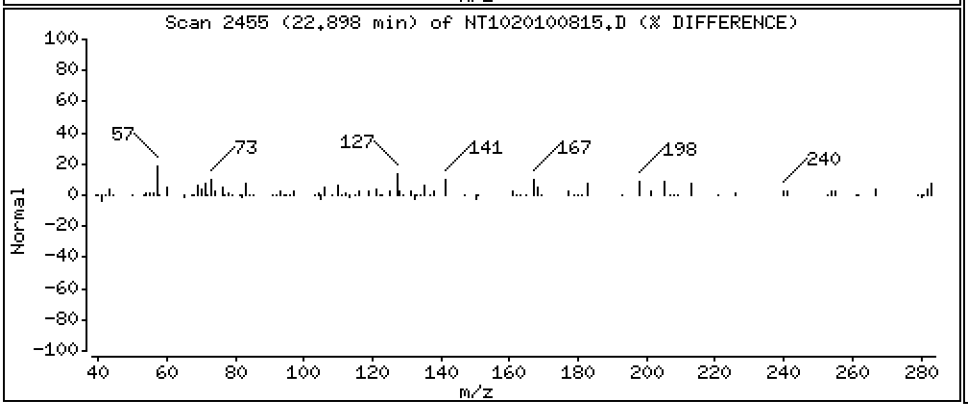












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

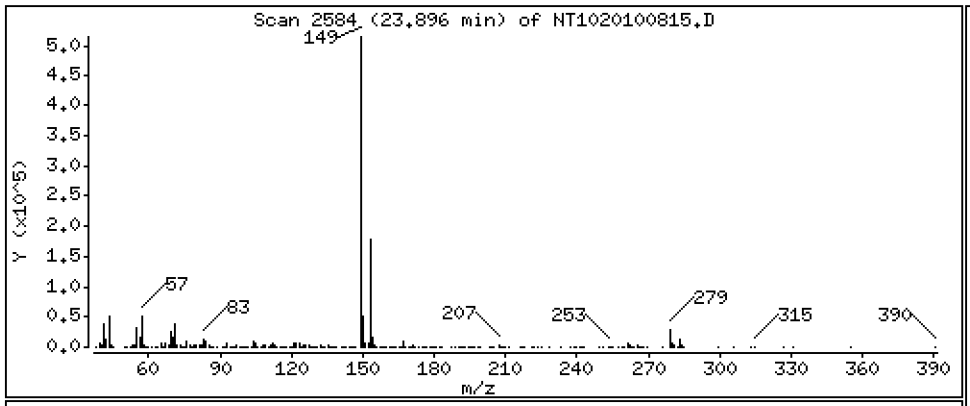
Operator: VTS

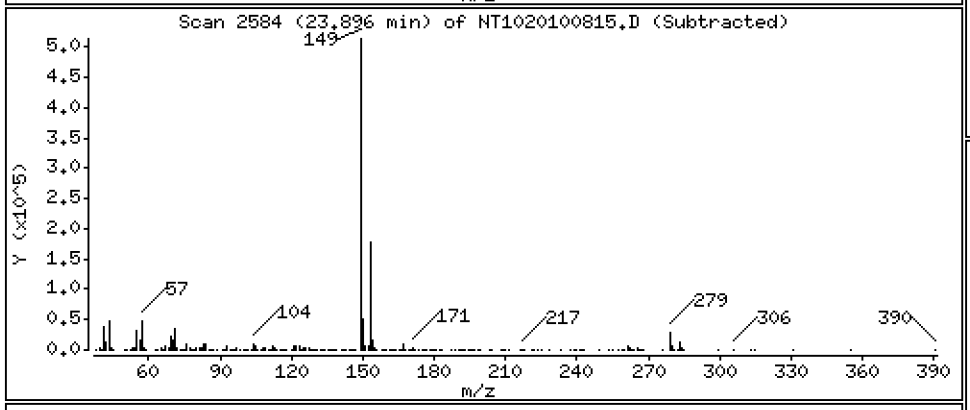
Column phase: ZB-5msi

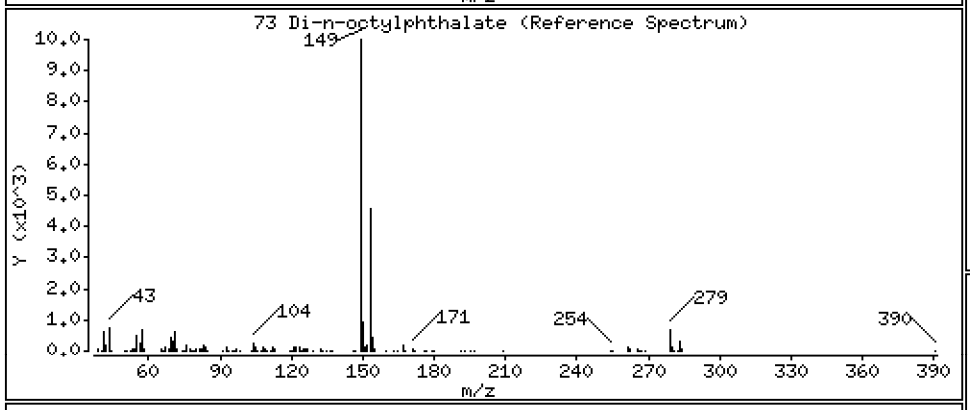
Column diameter: 0.25

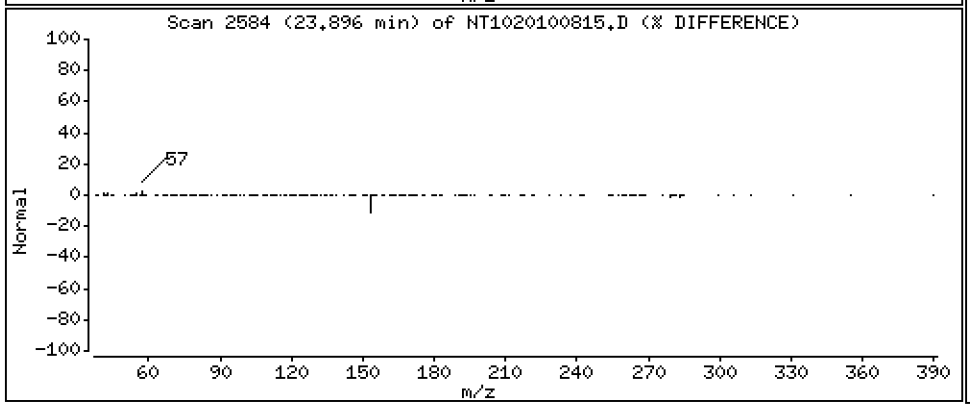
73 Di-n-octylphthalate

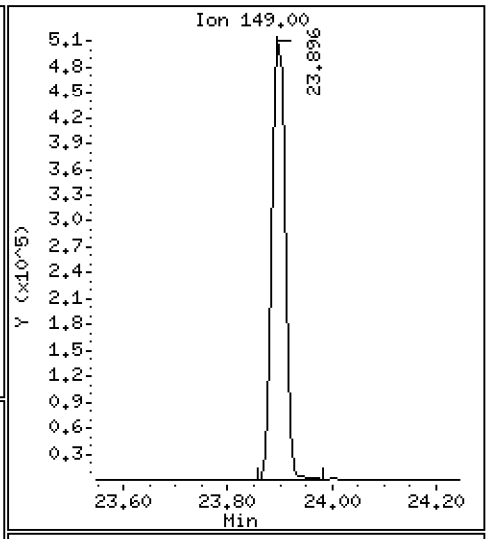
Concentration: 7.745 ug/mL

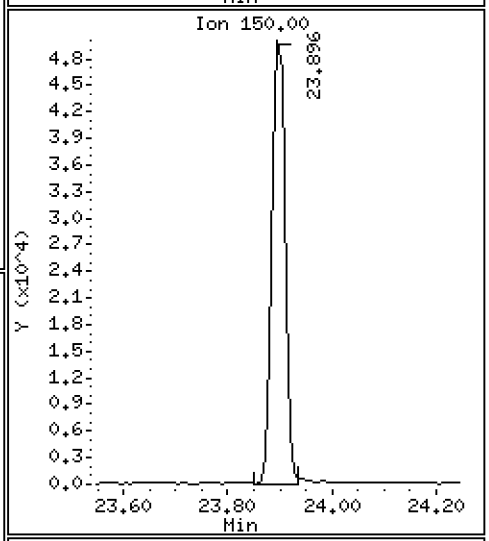


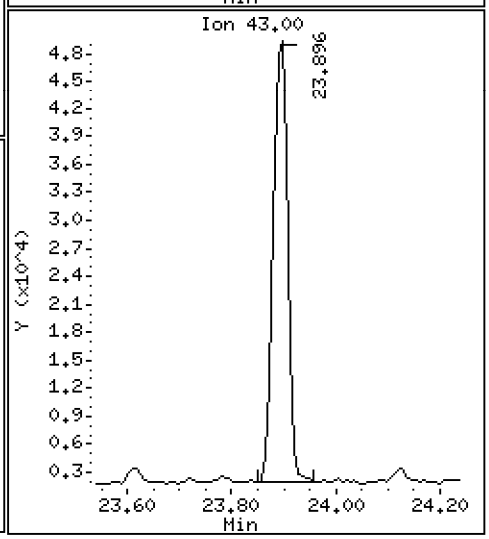












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

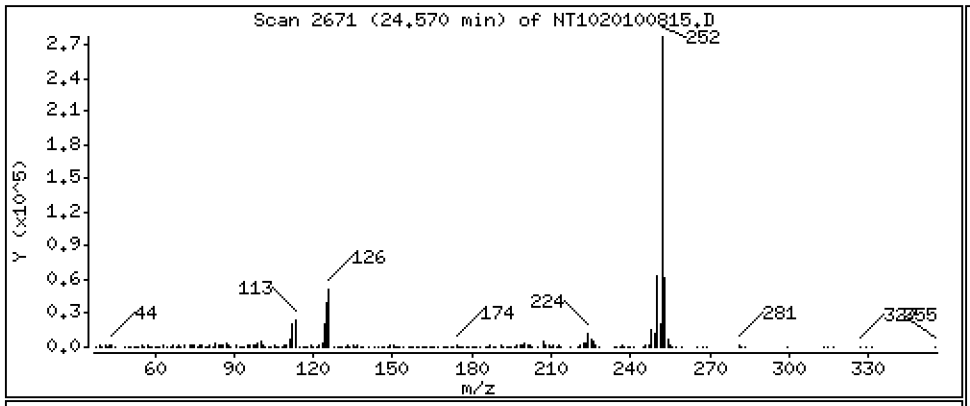
Operator: VTS

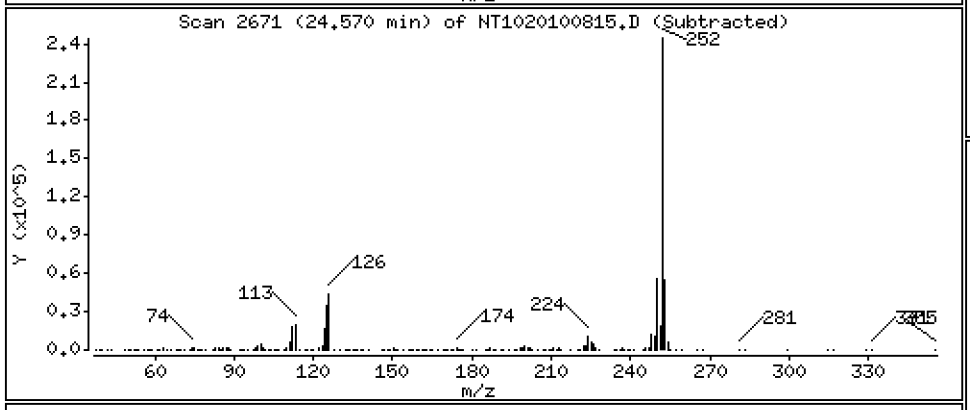
Column phase: ZB-5msi

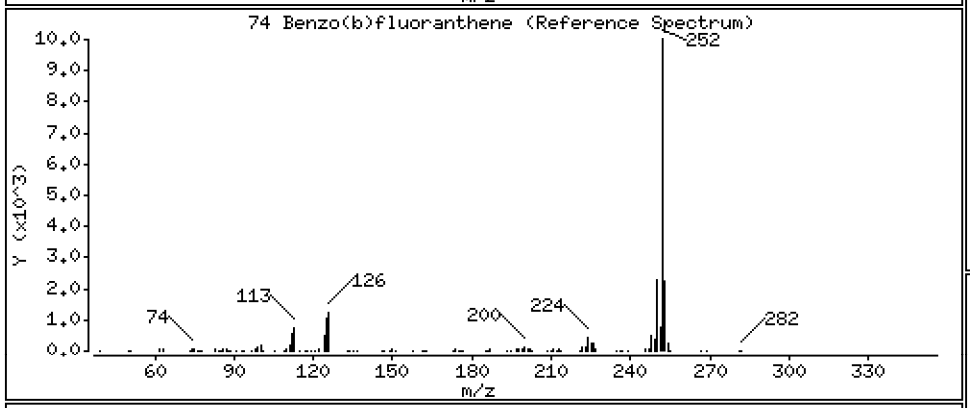
Column diameter: 0.25

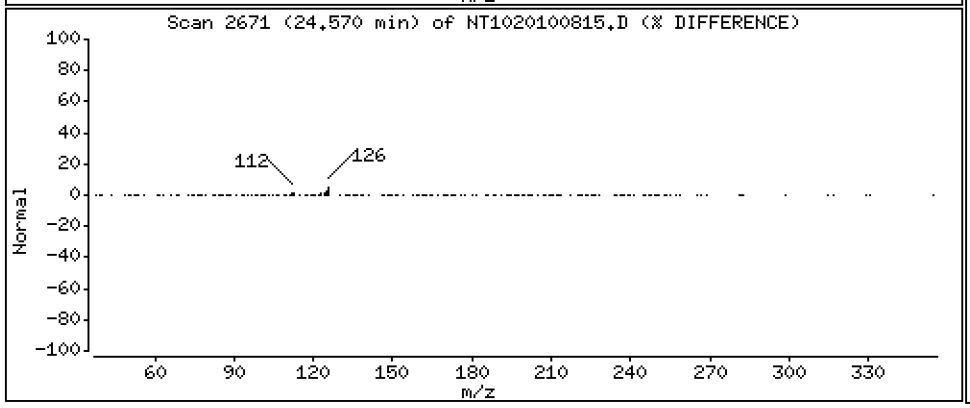
74 Benzo(b)fluoranthene

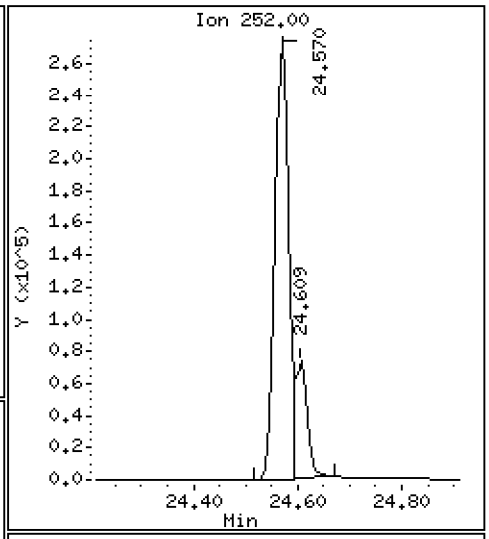
Concentration: 6.790 ug/mL

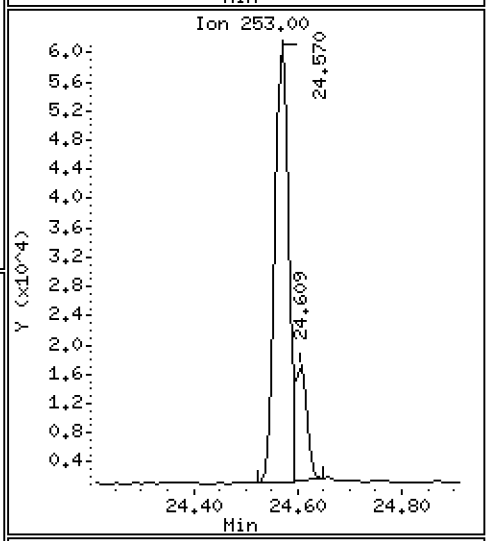


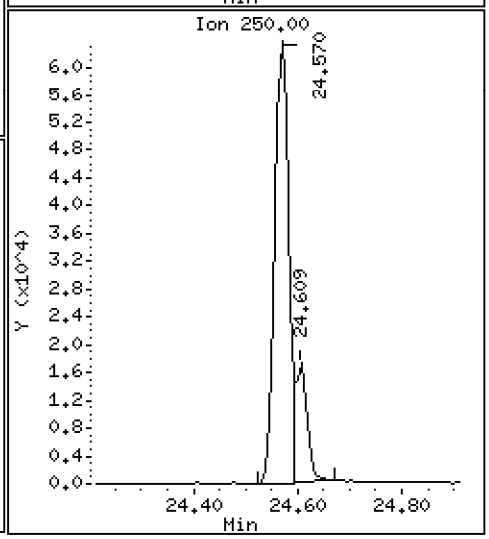












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

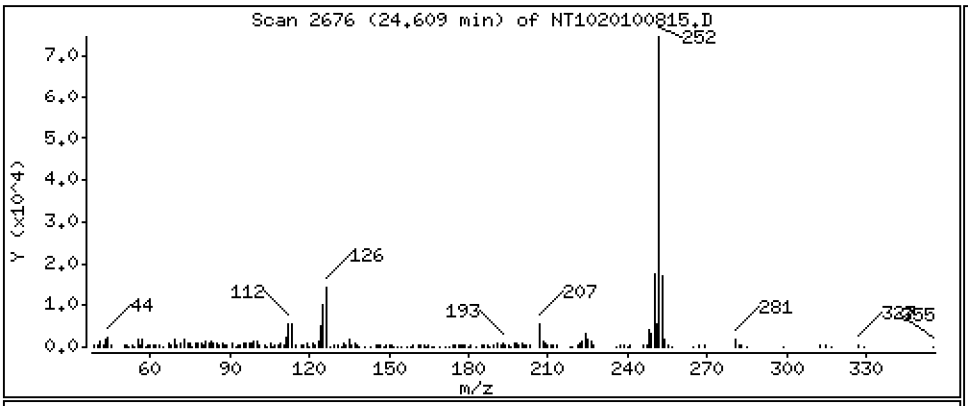
Operator: VTS

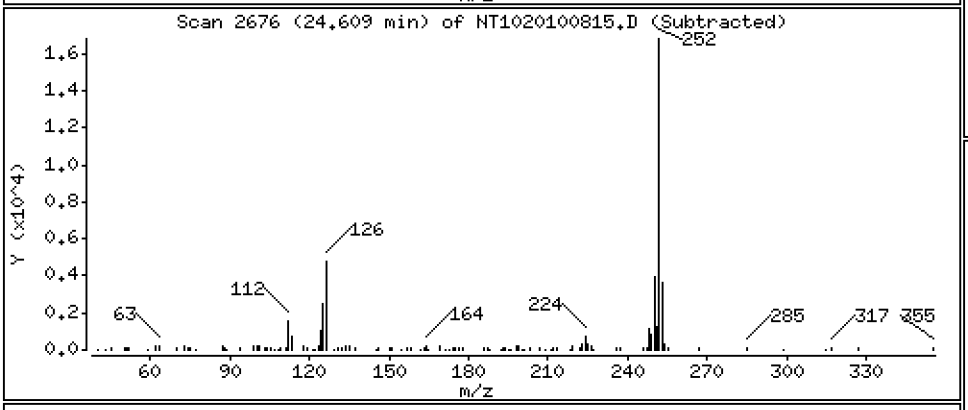
Column phase: ZB-5msi

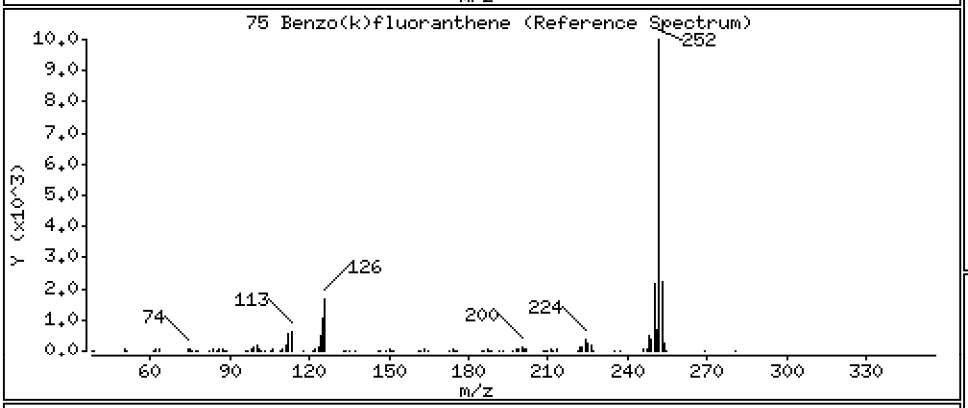
Column diameter: 0.25

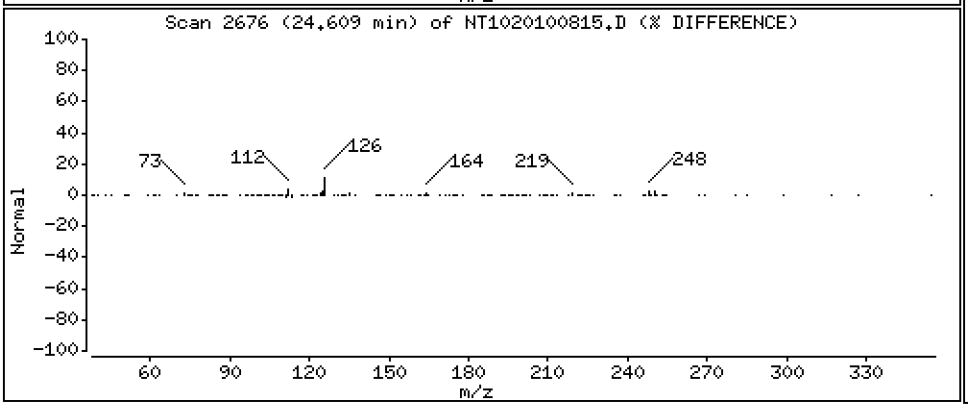
75 Benzo(k)fluoranthene

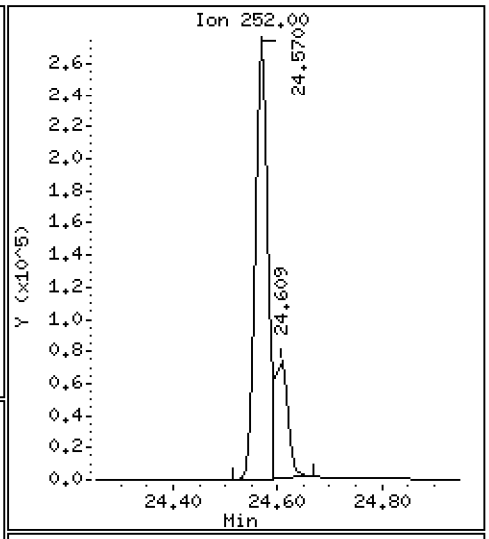
Concentration: 1.877 ug/mL

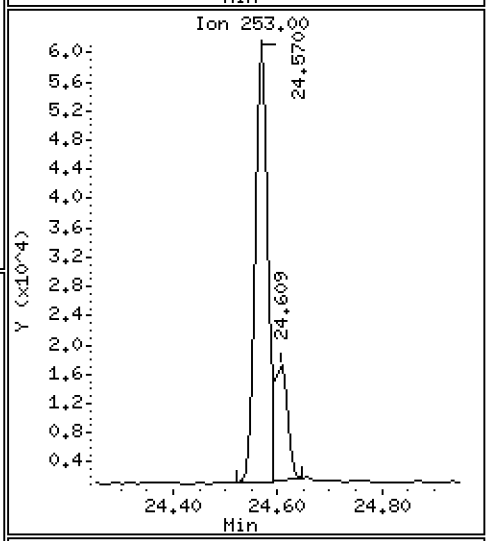


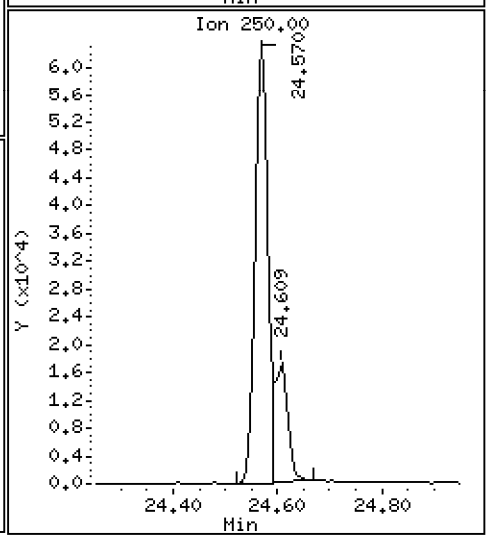












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

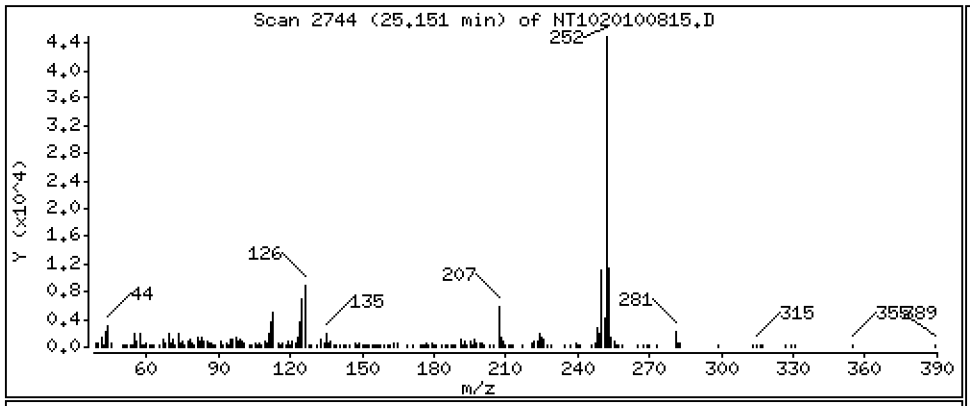
Operator: VTS

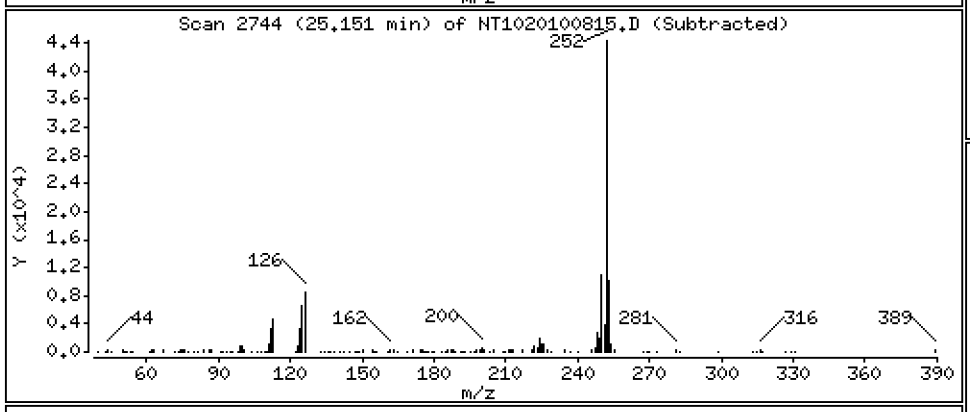
Column phase: ZB-5msi

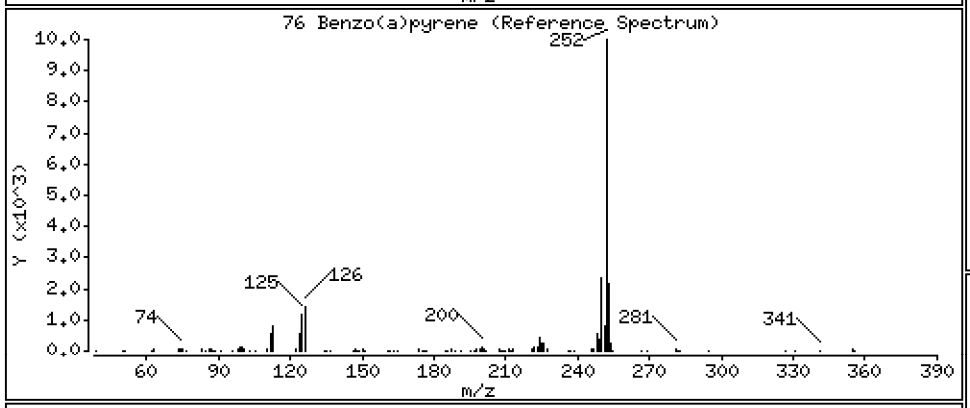
Column diameter: 0.25

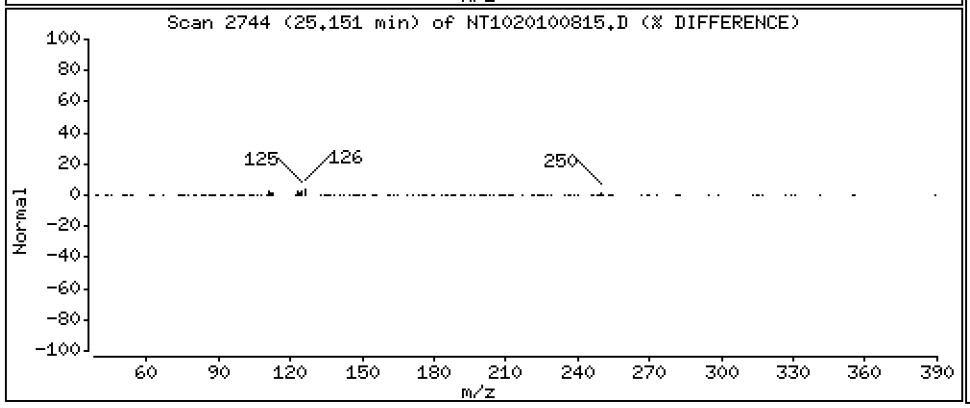
76 Benzo(a)pyrene

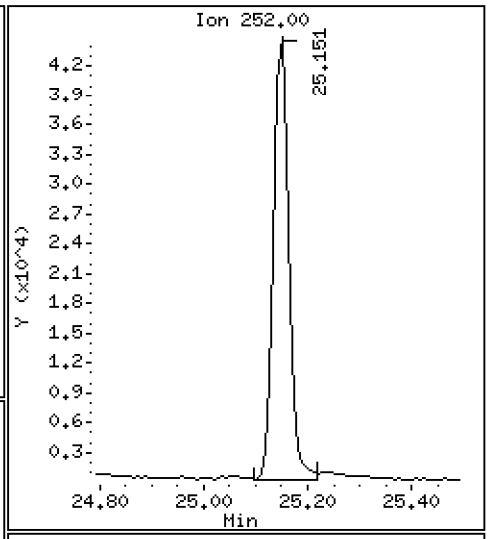
Concentration: 1.469 ug/mL

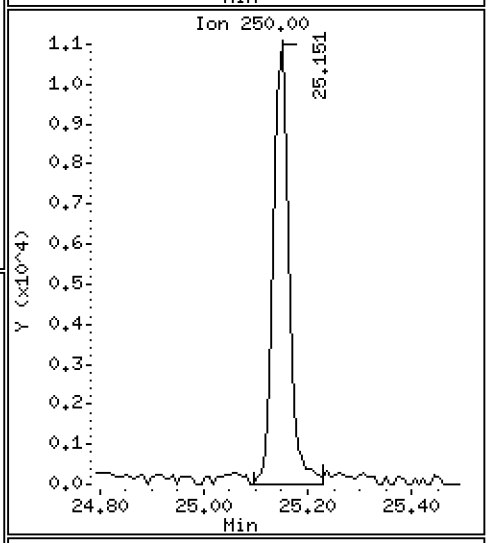


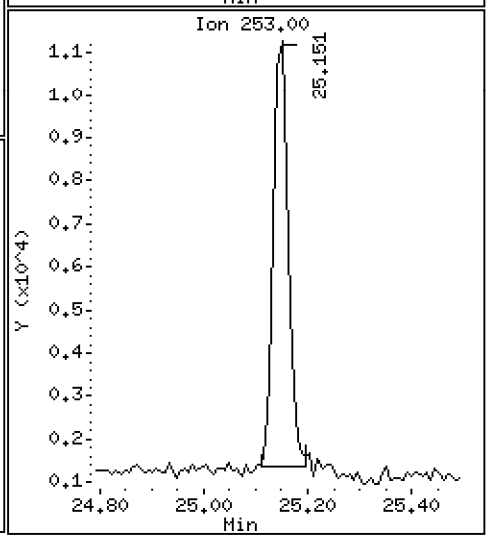












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

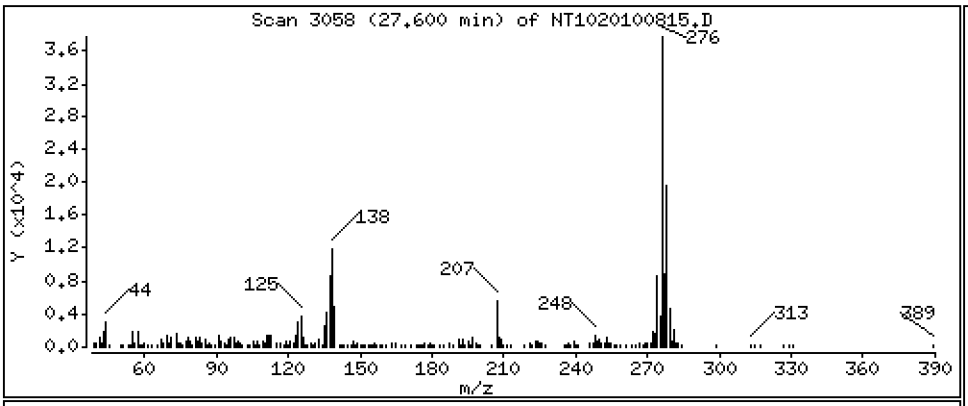
Operator: VTS

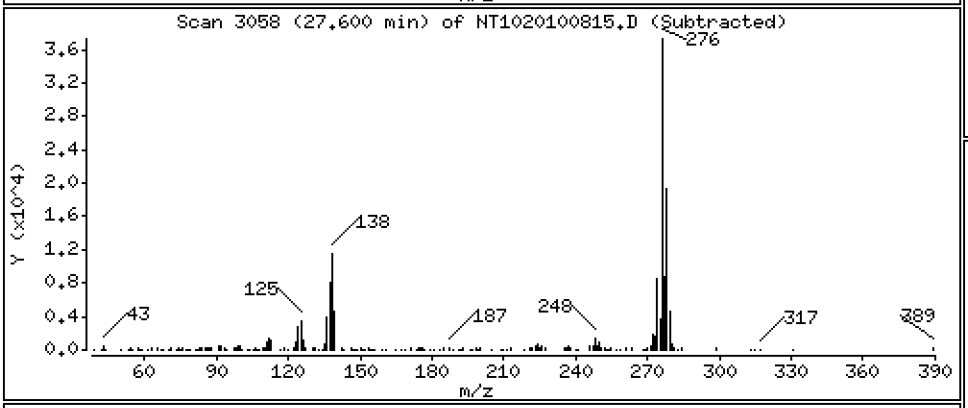
Column phase: ZB-5msi

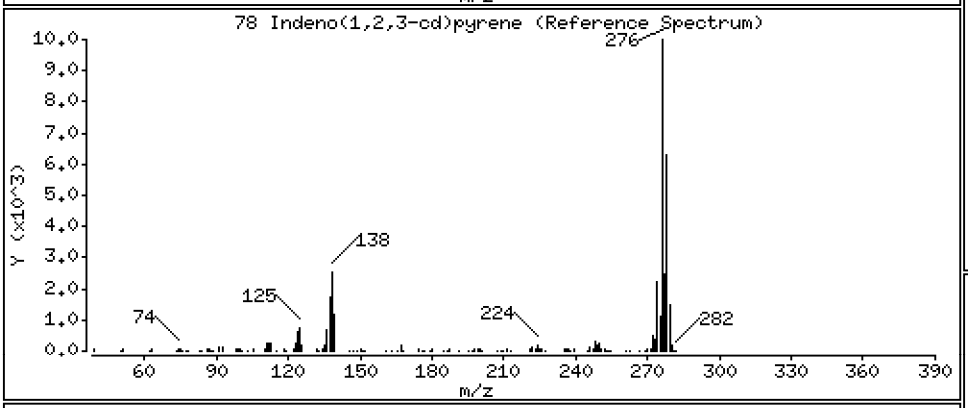
Column diameter: 0.25

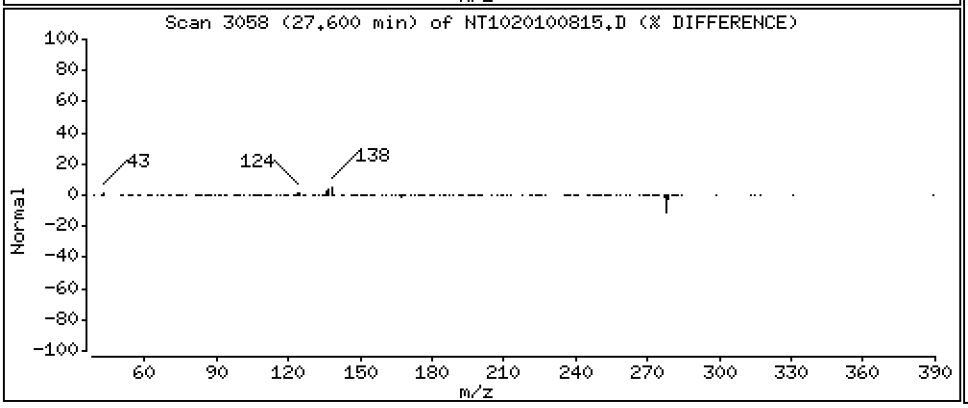
78 Indeno(1,2,3-cd)pyrene

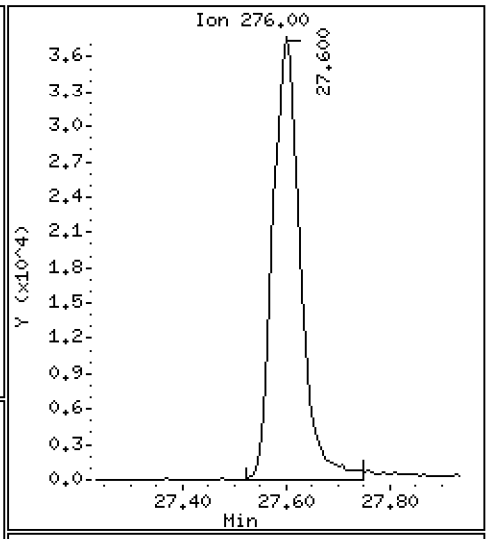
Concentration: 2.841 ug/mL

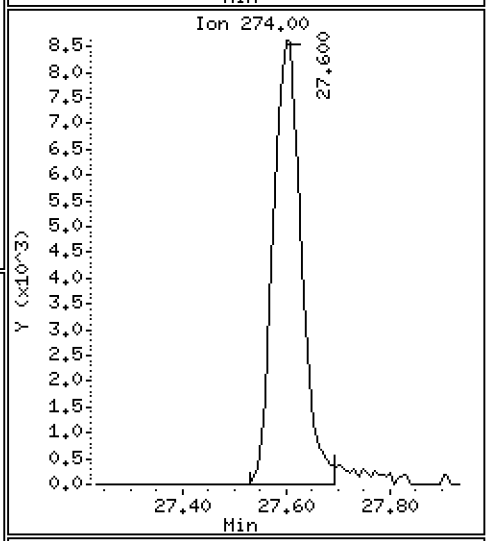


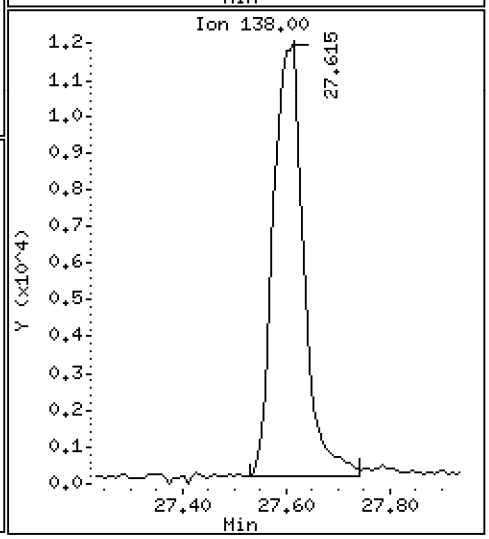












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

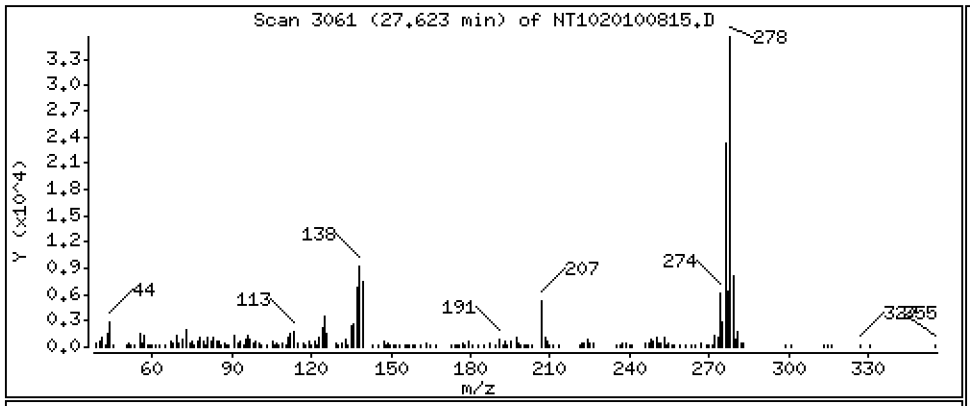
Operator: VTS

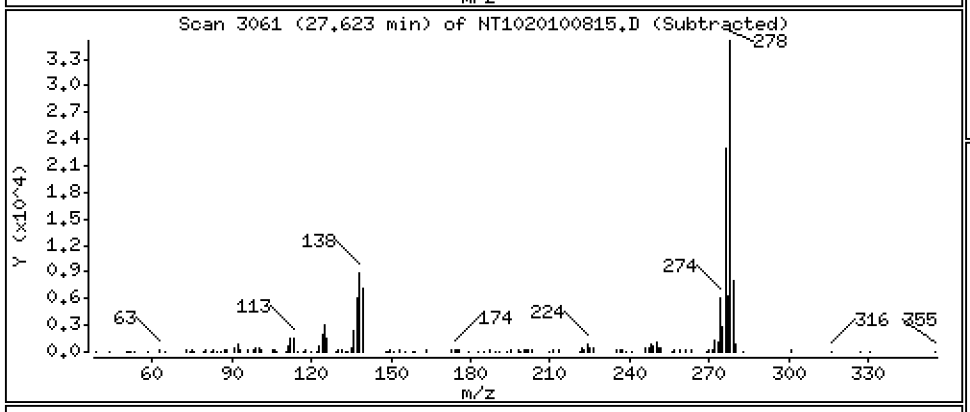
Column phase: ZB-5msi

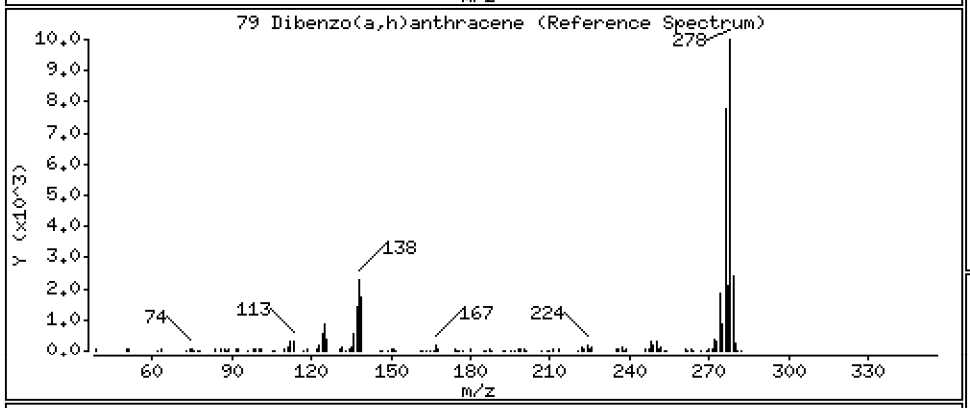
Column diameter: 0.25

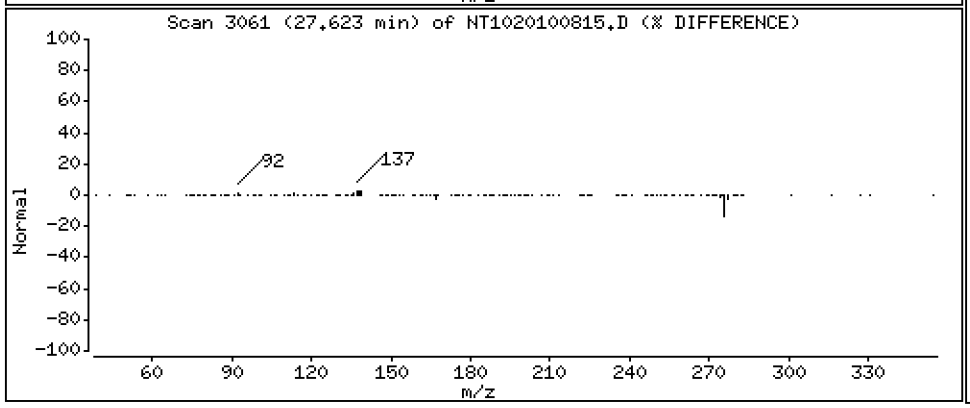
79 Dibenzo(a,h)anthracene

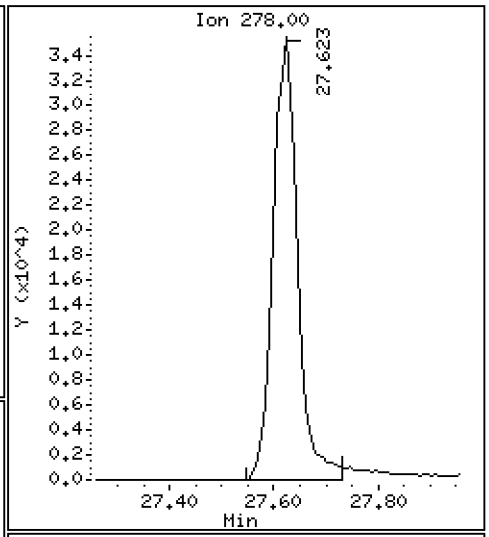
Concentration: 2.877 ug/mL

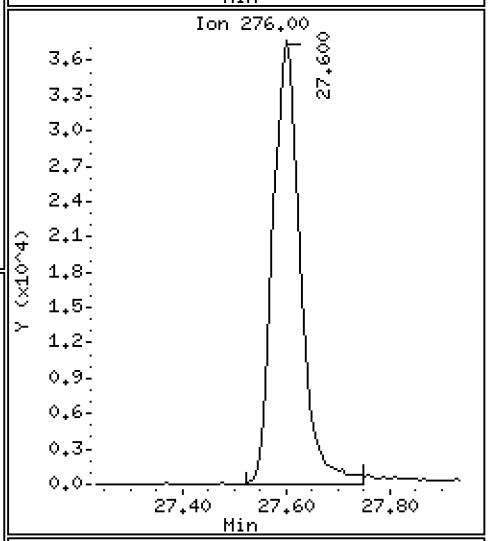


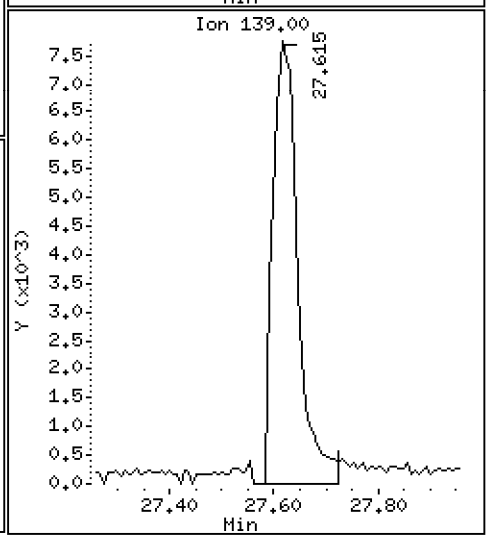












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

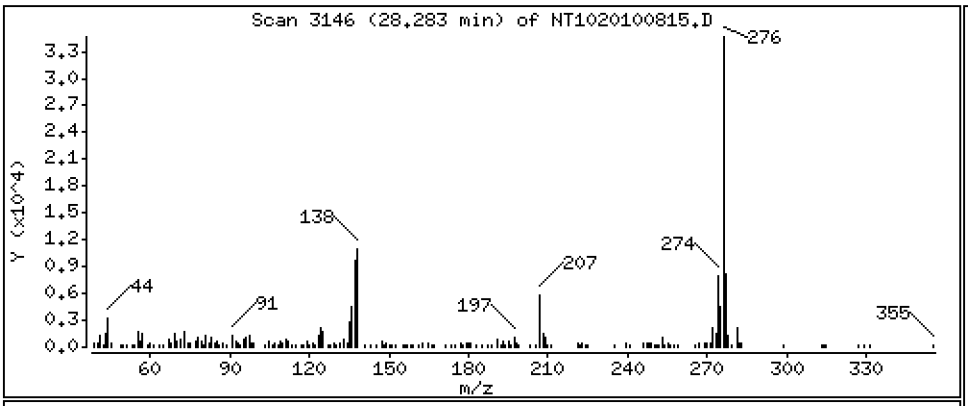
Operator: VTS

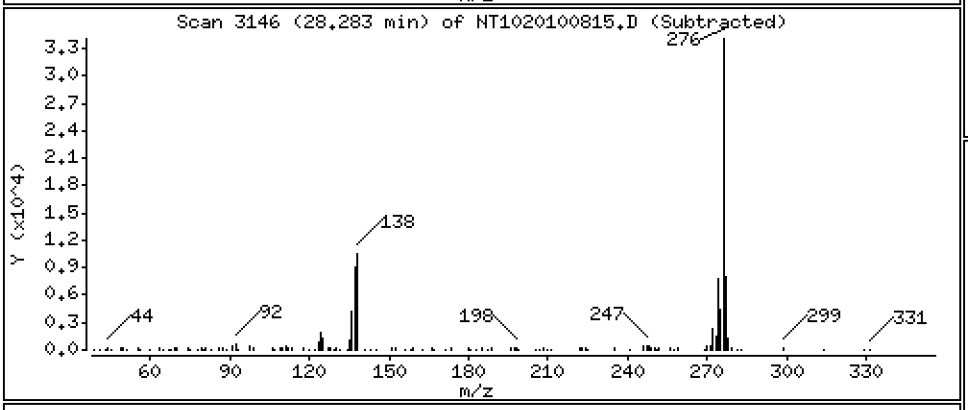
Column phase: ZB-5msi

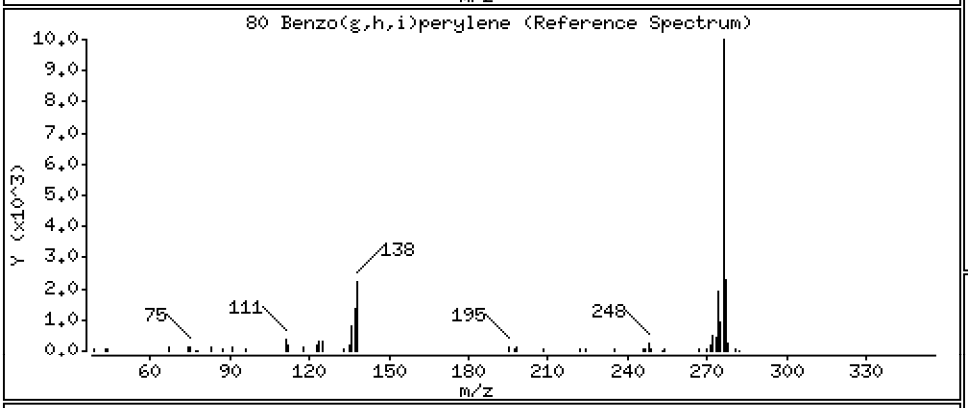
Column diameter: 0.25

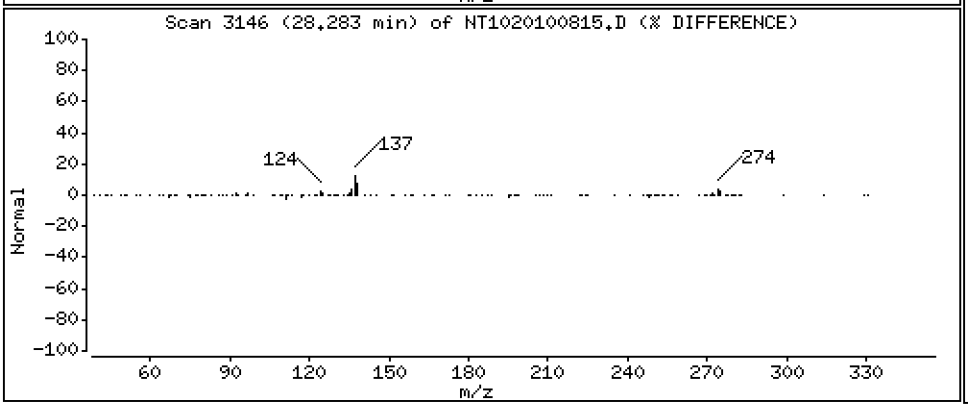
80 Benzo(g,h,i)perylene

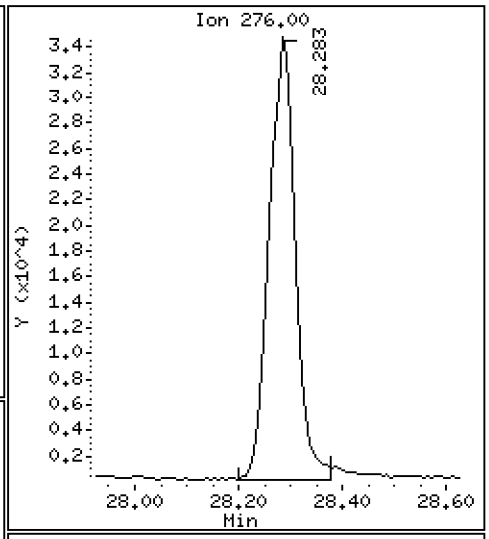
Concentration: 2.999 ug/mL

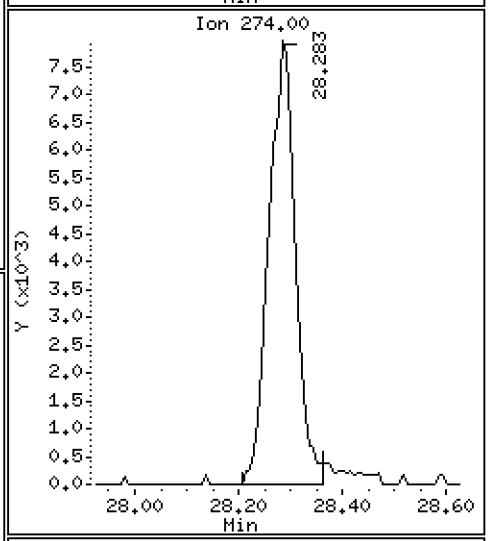


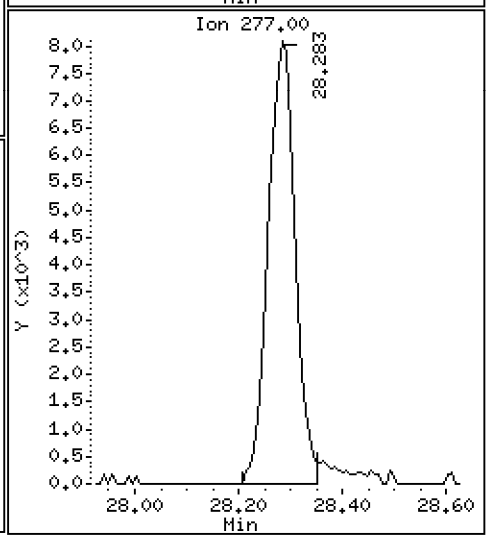












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

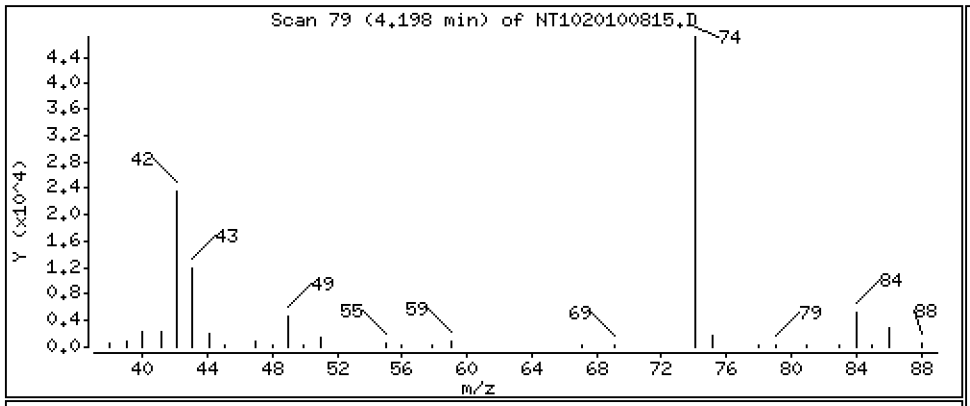
Operator: VTS

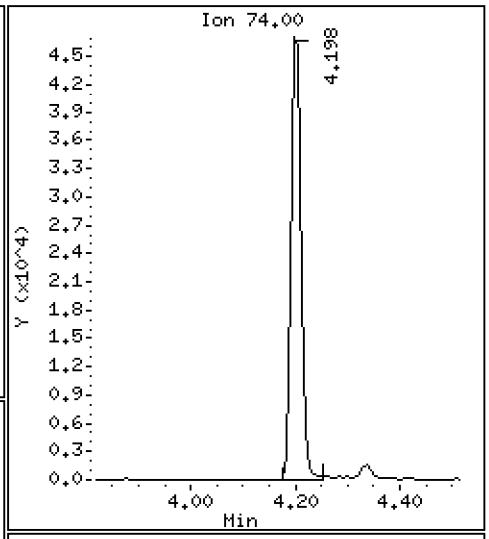
Column phase: ZB-5msi

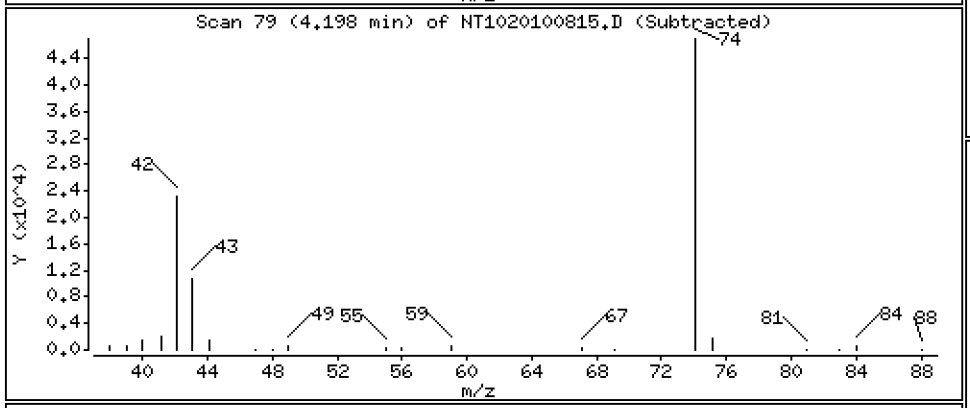
Column diameter: 0.25

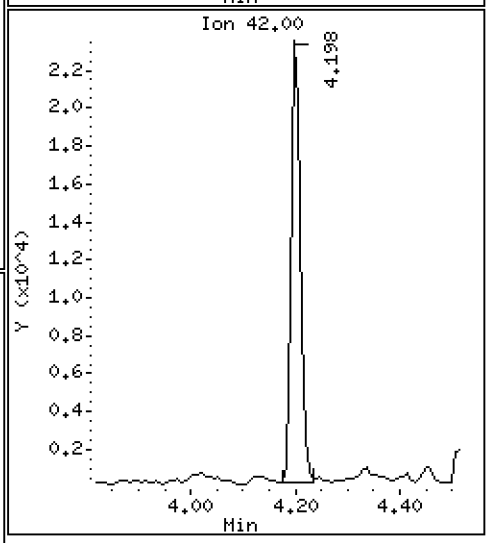
90 N-Nitrosodimethylamine

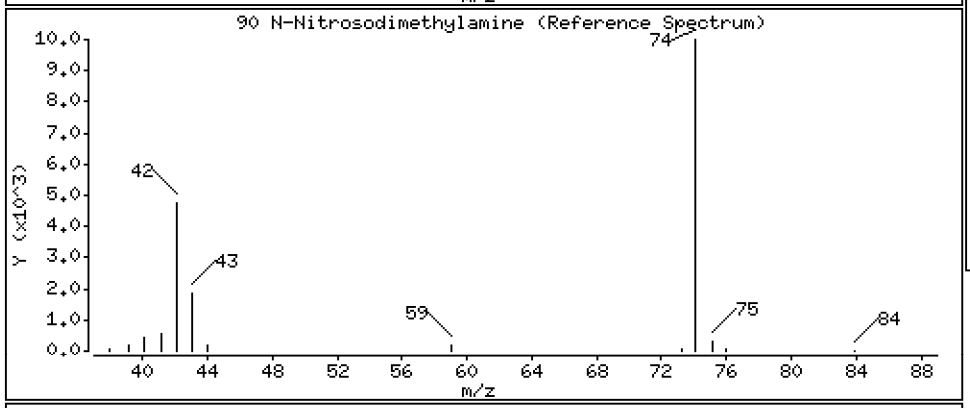
Concentration: 3.025 ug/mL

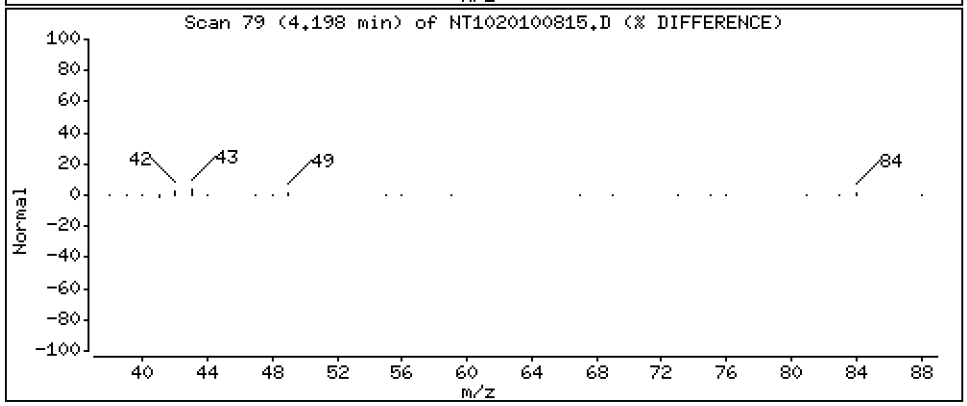












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

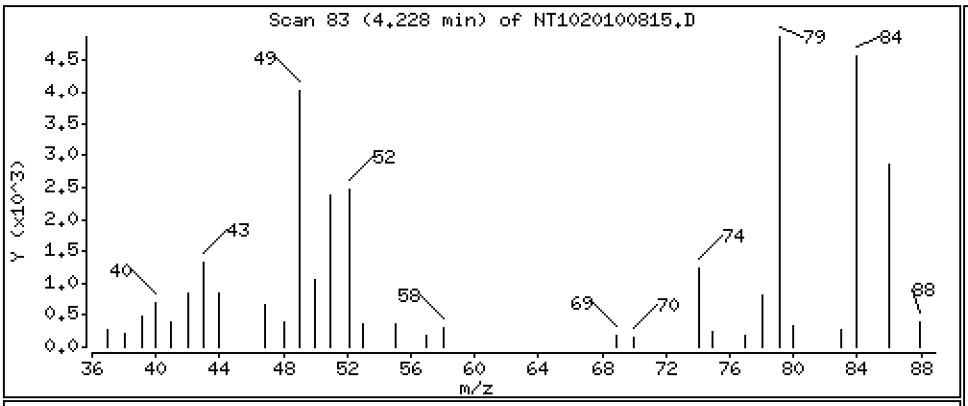
Operator: VTS

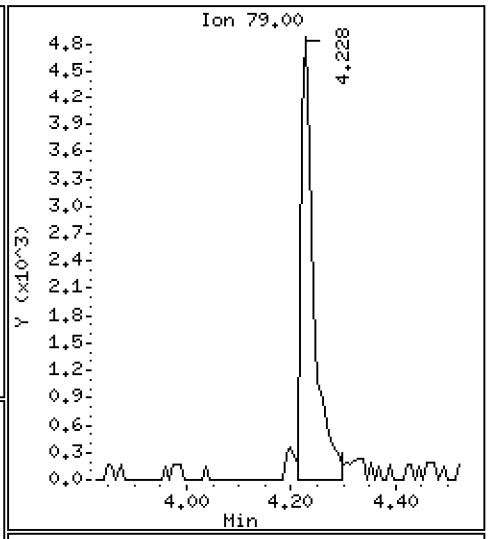
Column phase: ZB-5msi

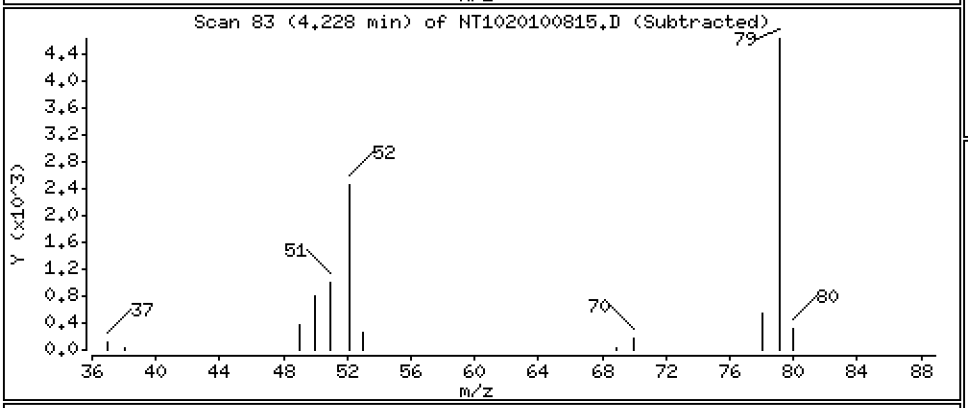
Column diameter: 0.25

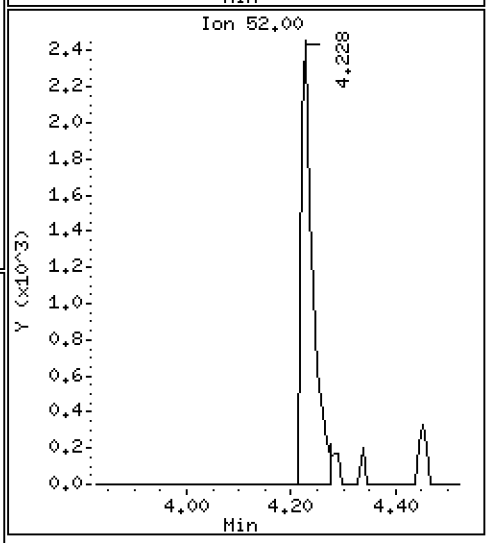
103 Pyridine

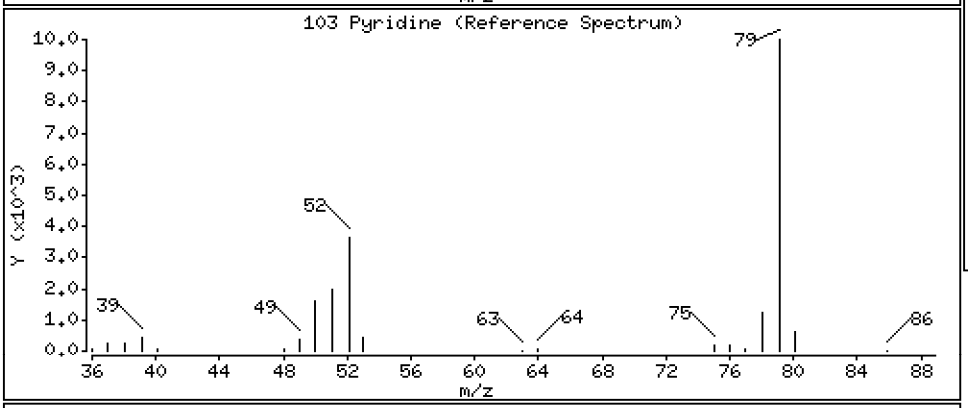
Concentration: 0.2614 ug/mL

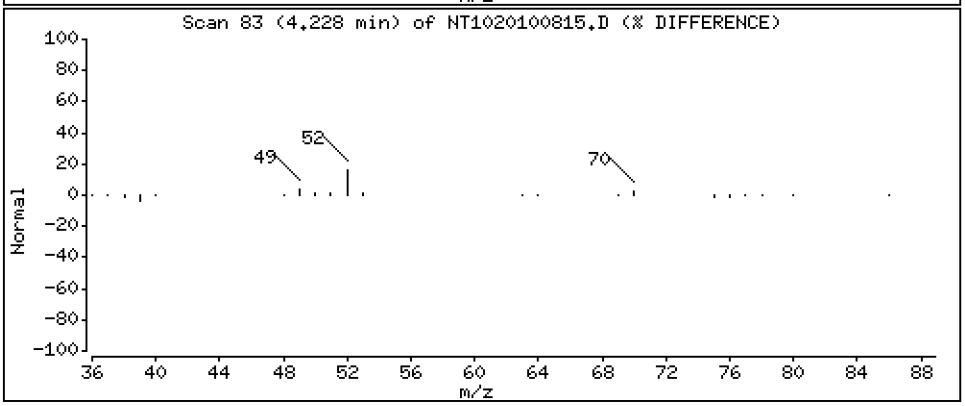












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D

Date : 08-OCT-2020 19:29

Client ID:

Instrument: nt10.i

Sample Info: BIJ0046-SRM1

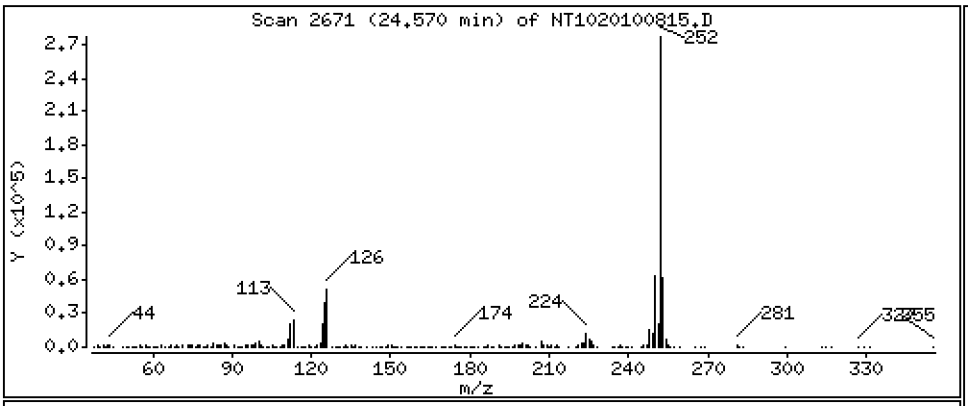
Operator: VTS

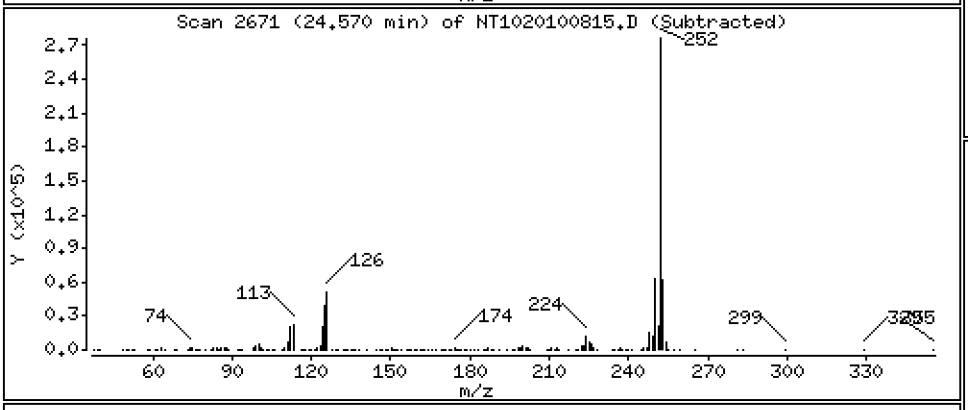
Column phase: ZB-5msi

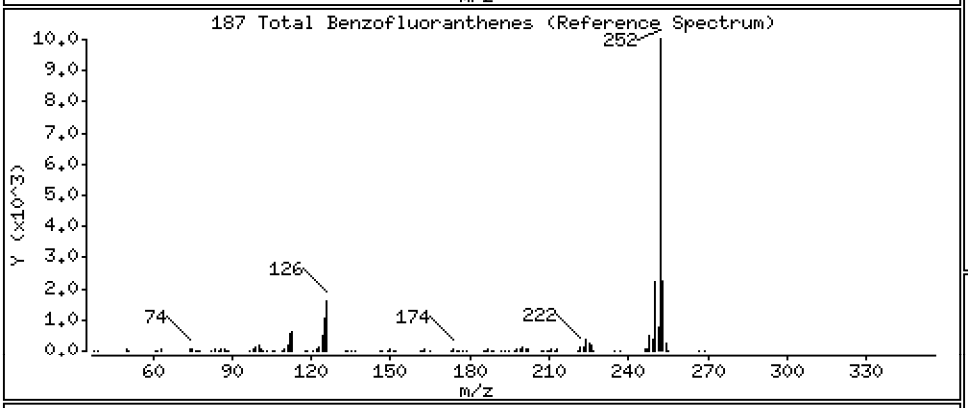
Column diameter: 0.25

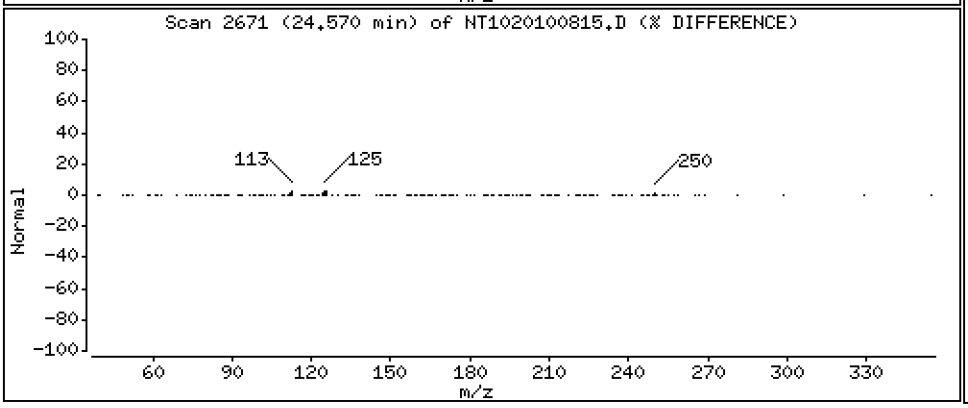
187 Total Benzofluoranthenes

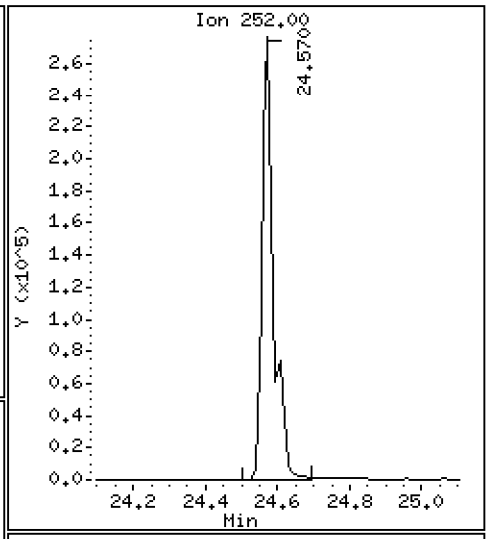
Concentration: 8.649 ug/mL

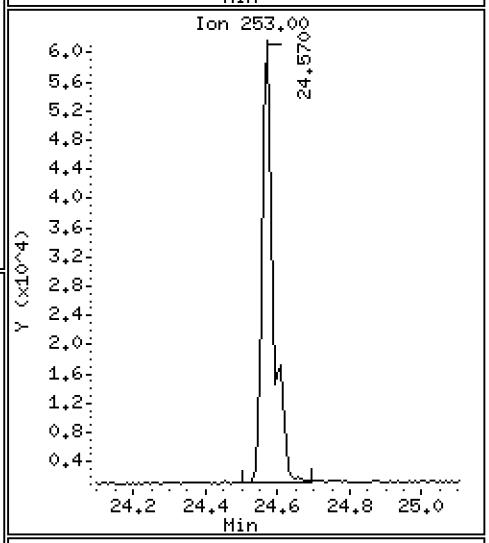


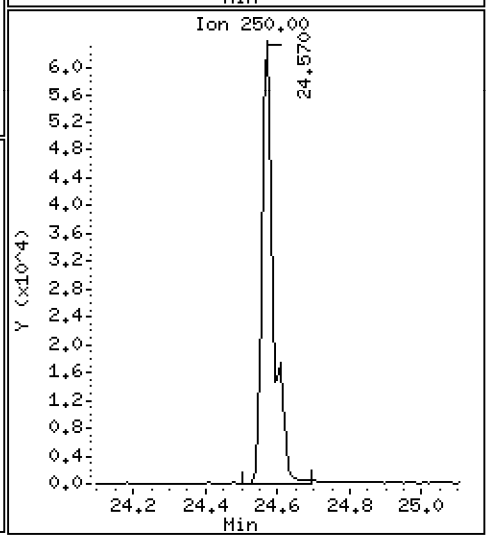












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201008.b\NT1020100815.D
Lab Smp Id: BIJ0046-SRM1
Inj Date : 08-OCT-2020 19:29
Operator : VTS Inst ID: nt10.i
Smp Info : BIJ0046-SRM1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201008.b\ABN.m
Meth Date : 10-Oct-2020 18:35 nt10.i Quant Type: ISTD
Cal Date : 19-SEP-2020 17:51 Cal File: NT1020091910.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1	2-Fluorophenol	112	6.375	6.367	(0.744)	172189	5.62591	5.626
$ 2	Phenol-d5	99	7.974	7.967	(0.931)	247367	5.75527	5.755
3	Phenol	94	7.990	7.990	(0.932)	186697	4.42773	4.428
$ 5	2-Chlorophenol-d4	132	8.214	8.214	(0.958)	184446	5.84190	5.842
4	Bis(2-Chloroethyl)ether	93	8.137	8.137	(0.949)	37962	1.15531	1.155
6	2-Chlorophenol	128	8.245	8.237	(0.962)	146838	4.24719	4.247
7	1,3-Dichlorobenzene	146	8.500	8.500	(0.992)	94680	2.66769	2.668
* 8	1,4-Dichlorobenzene-d4	152	8.570	8.570	(1.000)	83454	4.00000	
9	1,4-Dichlorobenzene	146	8.601	8.601	(1.004)	112446	3.69524	3.695
$ 10	1,2-Dichlorobenzene-d4	152	8.927	8.919	(1.042)	80256	3.92076	3.921
12	1,2-Dichlorobenzene	146	8.950	8.950	(1.044)	27653	0.85942	0.8594
11	Benzyl alcohol	108	Compound Not Detected.					
14	2,2'-oxybis(1-Chloropropane)	121	Compound Not Detected.					
13	2-Methylphenol	108	9.098	9.090	(1.062)	143303	5.36283	5.363
17	Hexachloroethane	117	9.532	9.532	(1.112)	42019	3.16869	3.169
16	N-Nitroso-di-n-propylamine	70	9.408	9.408	(1.098)	99955	5.04754	5.048
15	4-Methylphenol	108	9.369	9.362	(1.093)	162530	5.68521	5.685
$ 18	Nitrobenzene-d5	82	9.664	9.664	(0.876)	118752	3.84228	3.842
19	Nitrobenzene	77	Compound Not Detected.					
20	Isophorone	82	10.145	10.145	(0.919)	400296	6.26689	6.267
21	2-Nitrophenol	139	10.326	10.326	(0.935)	44544	2.31380	2.314
22	2,4-Dimethylphenol	107	10.403	10.394	(0.942)	111018	4.04996	4.050
23	Bis(2-Chloroethoxy)methane	93	10.589	10.589	(0.959)	125911	3.76355	3.764
24	Benzoic acid	105	10.538	10.606	(0.955)	47208	2.50268	2.503
25	2,4-Dichlorophenol	162	10.785	10.776	(0.977)	103786	4.22438	4.224
26	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
* 27	Naphthalene-d8	136	11.038	11.038	(1.000)	296995	4.00000	
28	Naphthalene	128	11.077	11.077	(1.003)	93350	1.21236	1.212
29	4-Chloroaniline	127	Compound Not Detected.					
30	Hexachlorobutadiene	225	Compound Not Detected.					
31	4-Chloro-3-methylphenol	107	Compound Not Detected.					
32	2-Methylnaphthalene	142	12.469	12.462	(1.130)	196021	3.05617	3.056
33	Hexachlorocyclopentadiene	237	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.096	13.088	(0.895)	114484	5.47300	5.473
	35 2,4,5-Trichlorophenol	196	13.174	13.166	(0.901)	82463	3.61853	3.619
$	36 2-Fluorobiphenyl	172	13.259	13.251	(0.906)	282782	3.89619	3.896
	37 2-Chloronaphthalene	162	13.452	13.444	(0.920)	156541	2.38968	2.390
	38 2-Nitroaniline	65	13.731	13.723	(0.939)	38703	2.26449	2.264
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	14.319	14.311	(0.979)	449599	4.70524	4.705
	41 2,6-Dinitrotoluene	165	14.311	14.304	(0.978)	124982	8.58278	8.583
*	42 Acenaphthene-d10	164	14.629	14.621	(1.000)	162299	4.00000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	14.698	14.690	(1.005)	207313	3.80258	3.803
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	15.023	15.015	(1.027)	309935	3.89107	3.891
	47 4-Nitrophenol	109	14.946	14.930	(1.022)	25955	4.64263	4.643
	48 2,4-Dinitrotoluene	165	15.108	15.100	(1.033)	113869	5.90807	5.908
	50 Diethylphthalate	149	15.626	15.618	(1.068)	11110	0.19057	0.1906
	49 Fluorene	166	15.734	15.726	(1.076)	392102	5.94325	5.943
	51 4-Chlorophenyl-phenylether	204	15.742	15.734	(1.076)	49610	1.55772	1.558
	52 4-Nitroaniline	138	15.819	15.842	(1.081)	440	0.02625	0.02625
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	15.997	15.989	(0.906)	359235	9.64782	9.648
$	55 2,4,6-Tribromophenol	330	16.274	16.259	(1.112)	64228	5.64790	5.648
	56 4-Bromophenyl-phenylether	248	16.737	16.729	(0.948)	80795	3.19697	3.197
	57 Hexachlorobenzene	284	17.038	17.030	(0.965)	64040	2.57576	2.576
	58 Pentachlorophenol	266	17.410	17.402	(0.986)	57287	5.56932	5.569
*	59 Phenanthrene-d10	188	17.658	17.650	(1.000)	286788	4.00000	
	60 Phenanthrene	178	17.704	17.696	(1.003)	170464	2.25403	2.254
	61 Anthracene	178	17.797	17.789	(1.008)	234920	2.88989	2.890
	62 Carbazole	167	18.145	18.137	(1.028)	7911	0.09645	0.09645
	63 Di-n-butylphthalate	149	Compound Not Detected.					
	64 Fluoranthene	202	20.126	20.126	(0.883)	470279	3.96580	3.966
	65 Pyrene	202	20.559	20.551	(0.902)	685187	5.68816	5.688
$	66 Terphenyl-d14	244	20.876	20.868	(0.916)	292494	3.63698	3.637
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	22.758	22.750	(0.999)	285419	3.36747	3.367
*	69 Chrysene-d12	240	22.789	22.781	(1.000)	218789	4.00000	
	70 3,3'-Dichlorobenzidine	252	22.735	22.734	(0.998)	253	0.00819	0.008192
	71 Chrysene	228	22.827	22.827	(1.002)	118457	1.74085	1.741
	72 bis(2-Ethylhexyl)phthalate	149	22.897	22.889	(0.959)	3260	0.05424	0.05424
*	134 Di-n-octylphthalate-d4	153	23.888	23.880	(1.000)	425132	4.00000	
	73 Di-n-octylphthalate	149	23.896	23.896	(1.000)	856396	7.74504	7.745
	74 Benzo(b)fluoranthene	252	24.569	24.561	(0.973)	483774	6.79003	6.790
	75 Benzo(k)fluoranthene	252	24.608	24.600	(0.975)	134550	1.87678	1.877
	76 Benzo(a)pyrene	252	25.150	25.142	(0.996)	87097	1.46940	1.469
*	77 Perylene-d12	264	25.251	25.243	(1.000)	187823	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	27.599	27.584	(1.093)	139422	2.84086	2.841
	79 Dibenzo(a,h)anthracene	278	27.623	27.607	(1.094)	114876	2.87650	2.877
	80 Benzo(g,h,i)perylene	276	28.283	28.275	(1.120)	120357	2.99942	2.999
	90 N-Nitrosodimethylamine	74	4.197	4.166	(0.490)	66780	3.02466	3.025
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	4.228	4.174	(0.493)	8532	0.26139	0.2614
	105 1-methylnaphthalene	142	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187	Total Benzofluoranthenes	252	24.569	24.600	(0.973)	599617	8.64870	8.649
99	Perylene	252	Compound Not Detected.					
98	Retene	219	Compound Not Detected.					
120	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020100815.D
Lab Smp Id: BIJ0046-SRM1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201008.b\ABN.m
Misc Info:

Calibration Date: 08-OCT-2020
Calibration Time: 10:44
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	81890	40945	163780	83454	1.91
27 Naphthalene-d8	287318	143659	574636	296995	3.37
42 Acenaphthene-d10	155495	77748	310990	162299	4.38
59 Phenanthrene-d10	298535	149268	597070	286788	-3.93
69 Chrysene-d12	217135	108568	434270	218789	0.76
134 Di-n-octylphthala	431489	215745	862978	425132	-1.47
77 Perylene-d12	208922	104461	417844	187823	-10.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.57	8.07	9.07	8.57	0.00
27 Naphthalene-d8	11.04	10.54	11.54	11.04	0.00
42 Acenaphthene-d10	14.62	14.12	15.12	14.63	0.05
59 Phenanthrene-d10	17.65	17.15	18.15	17.66	0.04
69 Chrysene-d12	22.78	22.28	23.28	22.79	0.03
134 Di-n-octylphthala	23.88	23.38	24.38	23.89	0.03
77 Perylene-d12	25.24	24.74	25.74	25.25	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020100815.D

Lab ID: BIJ0046-SRM1
nt10.i, ABN.m, 08-OCT-2020 19:29

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.955	0.961	-0.0061	Benzoic acid
0.493	0.487	0.0063	Pyridine

RRT check based on Ccal File: NT1020100802.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Analytical Resources, Incorporated
Analytical Chemists and Consultants

MASS SPECTROMETER
INSTRUMENT PERFORMANCE CHECK
EPA 8270E

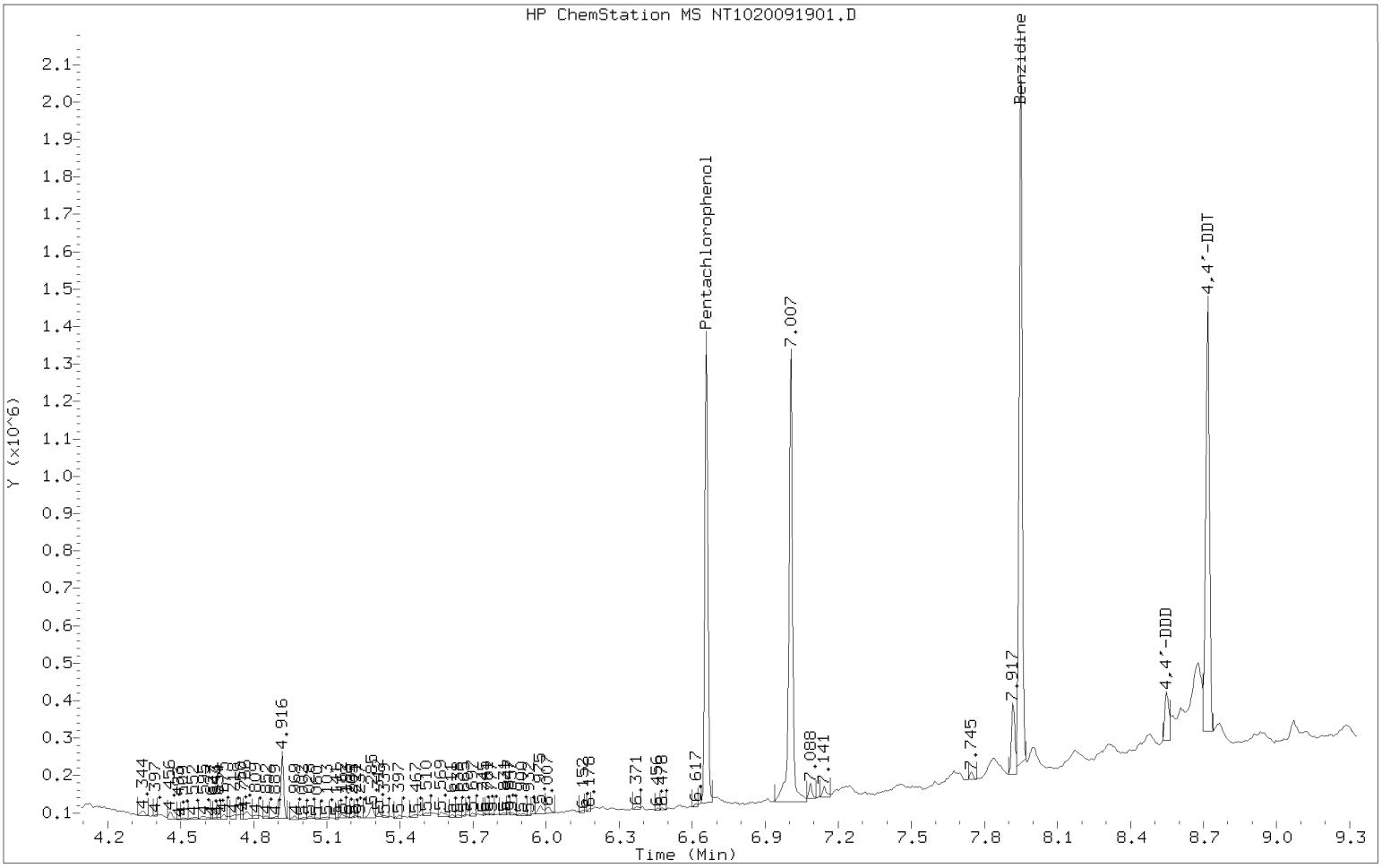
Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Lab File ID:	NT1020091901.D	Injection Date:	09/19/20
Instrument ID:	NT10	Injection Time:	12:20
Sequence:	SII0276	Lab Sample ID:	SII0276-TUN1

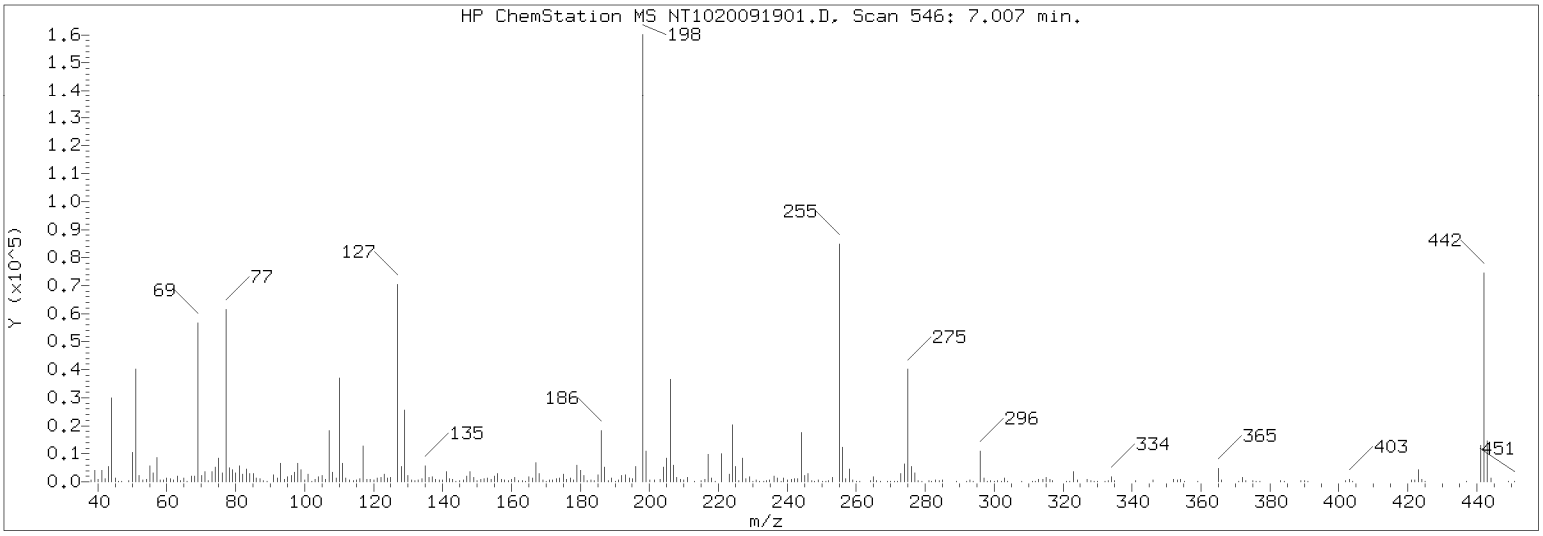
m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of 69	1.61	PASS
69	Less than 100% of 198	35.7	PASS
70	Less than 2% of 69	0.265	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.66	PASS
365	1 - 100% of 198	2.98	PASS
441	Less than 150% of 443	87.6	PASS
442	1 - 200% of 198	47.2	PASS
443	15 - 24% of 442	19.8	PASS
4,4'-DDD	Less than 20% of 4,4'-DDT		
4,4'-DDE	Less than 20% of		
4,4'-DDT	Base peak, 100% relative abundance		

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
MS Tune	SII0276-TUN1	NT1020091901.D	09/19/2020	12:20
Cal Standard	SII0276-CAL5	NT1020091902.D	09/19/2020	12:43
Cal Standard	SII0276-CAL7	NT1020091903.D	09/19/2020	13:21
Cal Standard	SII0276-CAL1	NT1020091904.D	09/19/2020	13:58
Cal Standard	SII0276-CAL6	NT1020091905.D	09/19/2020	14:43
Cal Standard	SII0276-CAL3	NT1020091906.D	09/19/2020	15:21
Cal Standard	SII0276-CAL4	NT1020091908.D	09/19/2020	16:36
Cal Standard	SII0276-CAL2	NT1020091910.D	09/19/2020	17:51
Secondary Cal Check	SII0276-SCV1	NT1020091911.D	09/19/2020	18:28
Instrument Blank	SII0276-IBL1	NT1020091912.D	09/19/2020	19:06
Initial Cal Check	SII0276-ICV1	NT1020091913.D	09/19/2020	19:43
Blank	BII0460-BLK1	NT1020091915.D	09/19/2020	20:58
LCS	BII0460-BS1	NT1020091916.D	09/19/2020	21:36
LCS Dup	BII0460-BSD1	NT1020091917.D	09/19/2020	22:13
Reference	BII0460-SRM1	NT1020091918.D	09/19/2020	22:51
ZZZZZ	20I0193-01	NT1020091919.D	09/19/2020	23:28
ZZZZZ	20I0204-01	NT1020091922.D	09/20/2020	1:20
ZZZZZ	20I0204-03	NT1020091923.D	09/20/2020	1:58
ZZZZZ	20I0204-04	NT1020091924.D	09/20/2020	2:35
ZZZZZ	20I0204-05	NT1020091925.D	09/20/2020	3:12
ZZZZZ	20I0204-06	NT1020091926.D	09/20/2020	3:49
ZZZZZ	20I0193-07	NT1020091927.D	09/20/2020	4:27
Calibration Check	SII0276-CCV1	NT1020091928.D	09/20/2020	5:04

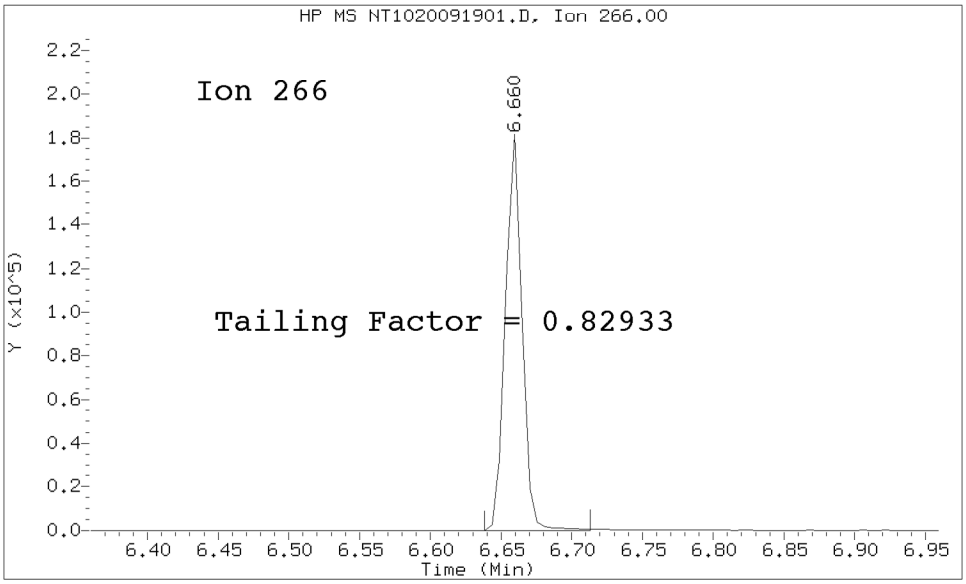
DFTPP TAILING FACTOR AND BREAKDOWN GRAPHIC REPORT

Datafile Analyzed: /20200919.b/NT1020091901.D/NT1020091901.D
Method Used: \20200919.b\DFTPP8270E.m Inst: nt10
Injection Date: 19-SEP-2020 12:20 Operator: VTS
Sample Info: SII0276-TUN1 SII0276-TUN1
Report Date: 09/22/2020 07:53



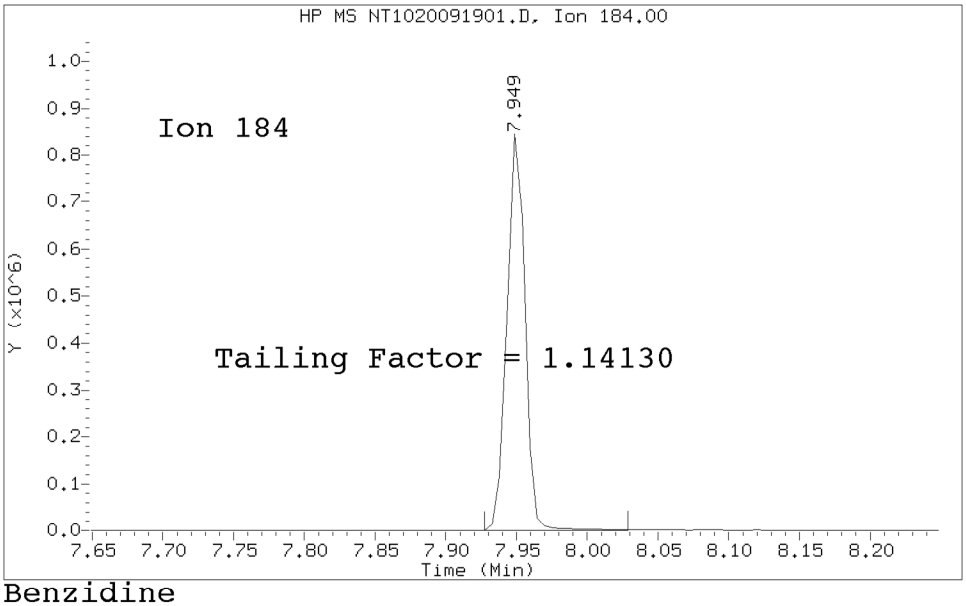


Datafile Analyzed: /20200919.b/NT1020091901.D/NT1020091901.D
Method Used: \20200919.b\DFTPP8270E.m\sw846ddt.m Inst: nt10
Injection Date: 19-SEP-2020 12:20 Operator: JZ
Sample Info: SII0276-TUN1
Report Date: 09/22/2020 07:53



Pentachlorophenol
==========
Exp. RT = 6.660
Found RT = 6.660

Tail Factor = 0.829 Maximum Allowed = 2.0



Benzidine
==========
Exp. RT = 7.949
Found RT = 7.949

Tail Factor = 1.141 Maximum Allowed = 2.0

8270 TAILING FACTOR/BREAKDOWN SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.8293300	2.000	PASS
Benzidine	1.1413043	2.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDT	241628			N/A
4,4-DDE	0	0.0	20.0	PASS
4,4-DDD	171	0.1	20.0	PASS
4,4-DDD + DDE	171	0.1	20.0	PASS

Tuning Sample, nt10.i/20200919.b/NT1020091901.D, *** PASSED ***

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
68	Less than 2.00% of mass 69	0.57 (1.61)
69	Mass 69 relative abundance	35.71
70	Less than 2.00% of mass 69	0.09 (0.27)
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.66
365	1.00 - 100.00% of mass 198	2.98
441	Less than 150.00% of mass 443	8.18 (87.56)
442	Less than 200.00% of mass 198	47.21
443	15.00 - 24.00% of mass 442	9.34 (19.79)

Data File: NT1020091901.D
Spectrum: Avg. Scans 545-547 (7.01), Background Scan 540
Location of Maximum: 198.00
Number of points: 295

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	148	121.00	52	199.00	8022	282.00	53
38.00	333	122.00	822	200.00	599	283.00	471
39.00	2524	123.00	1231	201.00	677	284.00	274
40.00	17	124.00	570	202.00	190	285.00	325
41.00	375	125.00	518	203.00	836	289.00	57
42.00	208	127.00	55920	204.00	4057	292.00	61
46.00	1	128.00	4004	205.00	6542	293.00	527
47.00	61	129.00	20280	206.00	27464	294.00	65
49.00	147	130.00	1593	207.00	3711	295.00	79
50.00	8261	131.00	240	208.00	721	296.00	8213
51.00	32808	132.00	189	209.00	428	297.00	1138
52.00	1832	133.00	101	210.00	226	298.00	73
53.00	120	134.00	541	211.00	1042	299.00	44
54.00	37	135.00	1560	213.00	82	300.00	55
56.00	1084	136.00	657	215.00	339	301.00	173
57.00	2138	137.00	715	216.00	837	302.00	153
58.00	70	138.00	310	217.00	7285	303.00	1010
61.00	399	139.00	129	218.00	832	304.00	258
62.00	564	140.00	270	219.00	231	308.00	72
63.00	1534	141.00	2342	221.00	7595	311.00	146
64.00	169	142.00	810	223.00	1670	312.00	7
65.00	789	143.00	624	224.00	15767	313.00	281
66.00	46	144.00	202	225.00	3964	314.00	464
68.00	692	145.00	164	226.00	434	315.00	212
69.00	43008	146.00	487	227.00	6262	316.00	331
70.00	114	147.00	1148	228.00	885	317.00	71
71.00	118	148.00	2779	229.00	1404	321.00	267
72.00	36	149.00	612	230.00	204	322.00	61
73.00	361	151.00	312	231.00	597	323.00	2708
74.00	3859	152.00	529	232.00	114	324.00	477
75.00	6624	153.00	818	233.00	115	327.00	524
76.00	2550	154.00	583	234.00	441	328.00	357
77.00	49104	155.00	1454	235.00	398	329.00	103
78.00	3358	156.00	2038	236.00	782	330.00	50
79.00	2431	157.00	359	237.00	523	331.00	59
80.00	2173	158.00	387	238.00	260	332.00	253
81.00	2978	159.00	277	239.00	268	333.00	336
82.00	620	160.00	802	240.00	173	334.00	1519
83.00	742	161.00	1088	241.00	335	335.00	390
85.00	700	162.00	475	242.00	753	341.00	410
86.00	744	164.00	154	243.00	1062	346.00	590
87.00	381	165.00	803	244.00	13365	352.00	758
88.00	156	166.00	730	245.00	1789	353.00	541
89.00	211	167.00	4768	246.00	2331	354.00	738
91.00	716	168.00	2052	247.00	510	355.00	216
92.00	819	169.00	305	248.00	116	359.00	69
93.00	4552	170.00	241	249.00	552	365.00	3592
94.00	308	171.00	277	250.00	86	366.00	473
95.00	30	172.00	560	251.00	129	371.00	232

96.00	353	173.00	754	252.00	232	372.00	1233
97.00	304	174.00	1078	253.00	307	373.00	288
98.00	3763	175.00	2004	255.00	63560	375.00	201
99.00	2798	176.00	766	256.00	9276	376.00	178
100.00	304	177.00	869	257.00	604	377.00	110
101.00	1808	178.00	168	258.00	3522	383.00	299
102.00	90	179.00	3749	259.00	416	384.00	61
103.00	508	180.00	2385	260.00	198	389.00	26
104.00	1135	181.00	1189	261.00	193	390.00	353
105.00	1006	182.00	418	264.00	186	391.00	89
106.00	420	183.00	232	265.00	1401	402.00	409
107.00	13936	184.00	415	266.00	319	403.00	597
108.00	2042	185.00	1694	267.00	84	404.00	222
109.00	362	186.00	14385	269.00	23	421.00	462
110.00	28336	187.00	3910	270.00	150	422.00	455
111.00	3930	188.00	458	271.00	221	423.00	3416
112.00	550	189.00	877	272.00	222	424.00	647
113.00	34	190.00	239	273.00	2181	425.00	51
114.00	157	191.00	369	274.00	5049	437.00	63
115.00	65	192.00	1347	275.00	29464	441.00	9853
116.00	670	193.00	1599	276.00	3924	442.00	56856
117.00	9558	194.00	442	277.00	2231	443.00	11253
118.00	684	195.00	33	278.00	411	444.00	1053
119.00	1	196.00	3751	279.00	51	451.00	58
120.00	122	198.00	120424	281.00	53		

Analytical Resources, Incorporated
Analytical Chemists and Consultants

MASS SPECTROMETER
INSTRUMENT PERFORMANCE CHECK
EPA 8270E

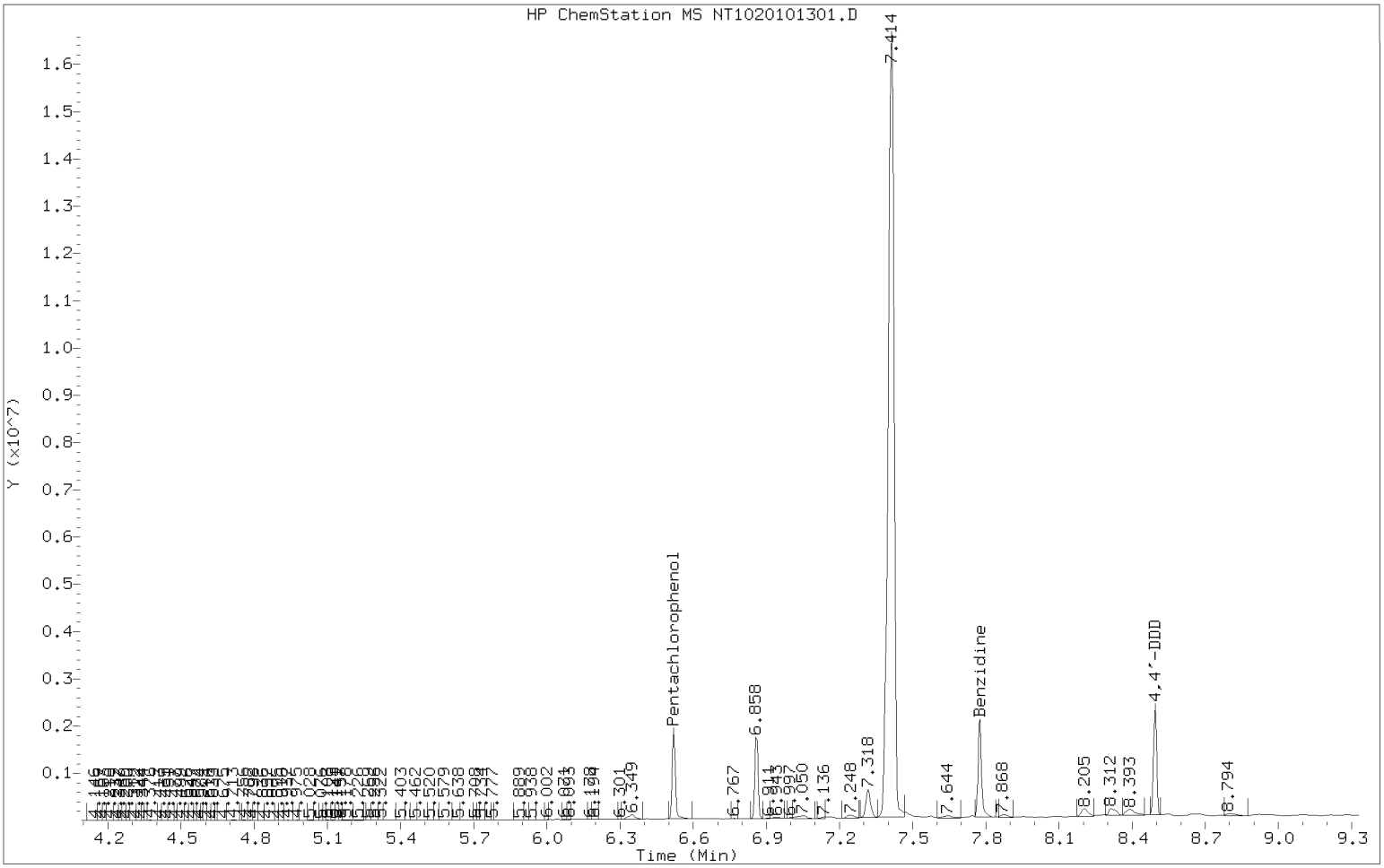
Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Lab File ID:	NT1020101301.D	Injection Date:	10/13/20
Instrument ID:	NT10	Injection Time:	09:39
Sequence:	SIJ0179	Lab Sample ID:	SIJ0179-TUN1

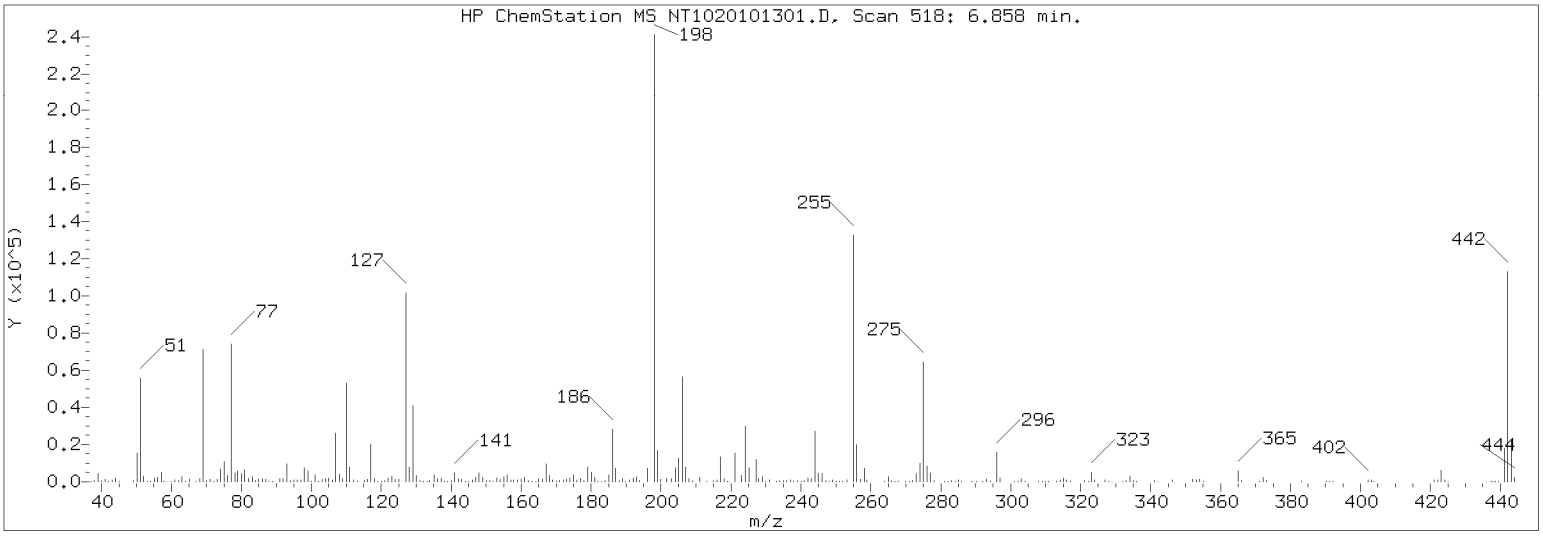
m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of 69	1.08	PASS
69	Less than 100% of 198	27.1	PASS
70	Less than 2% of 69	0.294	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.64	PASS
365	1 - 100% of 198	2.55	PASS
441	Less than 150% of 443	78	PASS
442	1 - 200% of 198	53.9	PASS
443	15 - 24% of 442	20.1	PASS
4,4'-DDD	Less than 20% of 4,4'-DDT		
4,4'-DDE	Less than 20% of		
4,4'-DDT	Base peak, 100% relative abundance		

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
MS Tune	SIJ0179-TUN1	NT1020101301.D	10/13/2020	9:39
Cal Standard	SIJ0179-CAL5	NT1020101302.D	10/13/2020	9:55
Cal Standard	SIJ0179-CAL1	NT1020101304.D	10/13/2020	11:11
Cal Standard	SIJ0179-CAL6	NT1020101305.D	10/13/2020	11:49
Cal Standard	SIJ0179-CAL2	NT1020101306.D	10/13/2020	12:27
Cal Standard	SIJ0179-CAL4	NT1020101307.D	10/13/2020	13:06
Cal Standard	SIJ0179-CAL3	NT1020101309.D	10/13/2020	14:23
Secondary Cal Check	SIJ0179-SCV1	NT1020101311.D	10/13/2020	15:40
Instrument Blank	SIJ0179-IBL1	NT1020101312.D	10/13/2020	16:18
Cal Standard	SIJ0179-CAL7	NT1020101313.D	10/13/2020	16:56
Initial Cal Check	SIJ0179-ICV1	NT1020101314.D	10/13/2020	17:35
Blank	BII0798-BLK1	NT1020101316.D	10/13/2020	18:52
LCS	BII0798-BS1	NT1020101317.D	10/13/2020	19:30
Reference	BII0798-SRM1	NT1020101318.D	10/13/2020	20:08
ZZZZZ	20I0216-06	NT1020101319.D	10/13/2020	20:46
Blank	BIJ0109-BLK1	NT1020101322.D	10/13/2020	22:39
LCS	BIJ0109-BS1	NT1020101323.D	10/13/2020	23:17
Reference	BIJ0109-SRM1	NT1020101324.D	10/13/2020	23:55
LDW20-SS267	20I0181-09	NT1020101325.D	10/14/2020	0:33
Matrix Spike	BIJ0109-MS1	NT1020101326.D	10/14/2020	1:11
Matrix Spike Dup	BIJ0109-MSD1	NT1020101327.D	10/14/2020	1:48
LDW20-SS260	20I0181-10	NT1020101328.D	10/14/2020	2:26
ZZZZZ	20I0211-19	NT1020101329.D	10/14/2020	3:04
Calibration Check	SIJ0179-CCV1	NT1020101330.D	10/14/2020	3:42

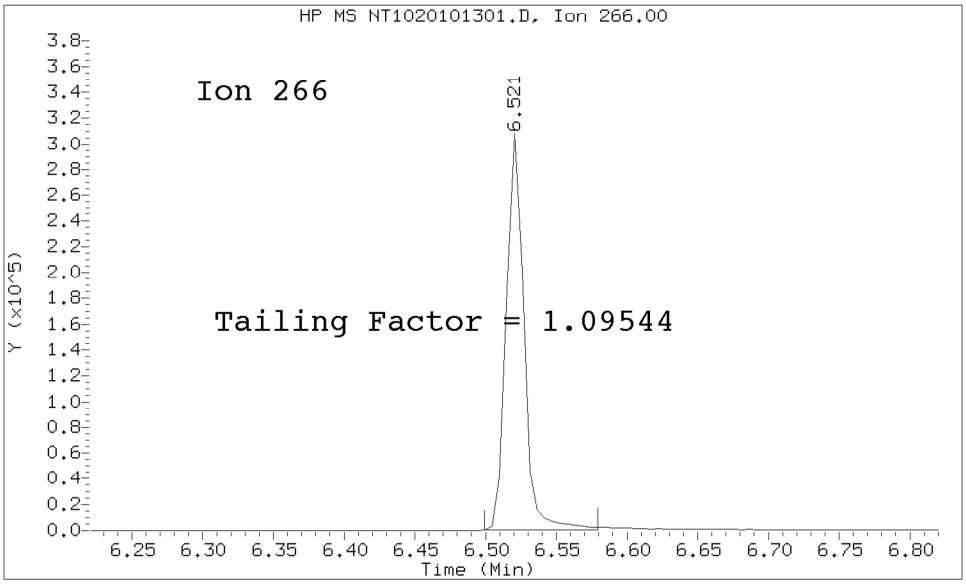
DFTPP TAILING FACTOR AND BREAKDOWN GRAPHIC REPORT

Datafile Analyzed: /20201013.b/NT1020101301.D/NT1020101301.D
Method Used: \20201013.b\DFTPP8270E.m Inst: nt10
Injection Date: 13-OCT-2020 09:39 Operator: VTS
Sample Info: SIJ0179-TUN1 SIJ0179-TUN1
Report Date: 10/13/2020 10:06



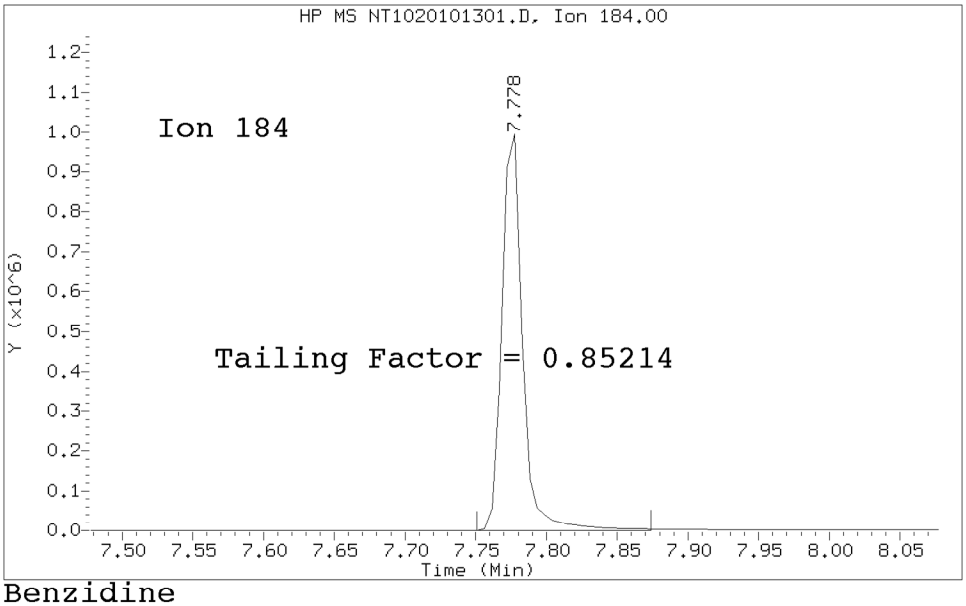


Datafile Analyzed: /20201013.b/NT1020101301.D/NT1020101301.D
Method Used: \20201013.b\DFTPP8270E.m\sw846ddt.m Inst: nt10
Injection Date: 13-OCT-2020 09:39 Operator: JZ
Sample Info: SIJ0179-TUN1
Report Date: 10/13/2020 10:06



Pentachlorophenol
==========
Exp. RT = 6.537
Found RT = 6.521

Tail Factor = 1.095 Maximum Allowed = 2.0



Benzidine
==========
Exp. RT = 7.794
Found RT = 7.778

Tail Factor = 0.852 Maximum Allowed = 2.0

8270 TAILING FACTOR/BREAKDOWN SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	1.0954357	2.000	PASS
Benzidine	0.8521358	2.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test	
4,4-DDT	489872			N/A	
4,4-DDE	0	0.0	20.0	PASS	
4,4-DDD	489872	50.0	20.0	FAIL	[Failure]
4,4-DDD + DDE	489872	50.0	20.0	FAIL	[Failure]

Tuning Sample, nt10.i/20201013.b/NT1020101301.D, *** FAILED ***

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
68	Less than 2.00% of mass 69	0.29 (1.08)
69	Mass 69 relative abundance	27.15
70	Less than 2.00% of mass 69	0.08 (0.29)
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.64
365	1.00 - 100.00% of mass 198	2.55
441	Less than 150.00% of mass 443	8.46 (77.99)
442	Less than 200.00% of mass 198	53.86
443	15.00 - 24.00% of mass 442	10.84 (20.13)

Data File: NT1020101301.D
Spectrum: Avg. Scans 517-519 (6.86), Background Scan 512
Location of Maximum: 198.00
Number of points: 293

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	251	125.00	784	203.00	1338	291.00	100
38.00	556	127.00	77448	204.00	6116	292.00	147
39.00	3250	128.00	6080	205.00	10202	293.00	1120
40.00	218	129.00	30696	206.00	44432	294.00	280
42.00	32	130.00	2261	207.00	5295	295.00	251
44.00	30	131.00	585	208.00	1135	296.00	12584
45.00	10	132.00	404	209.00	443	297.00	1836
49.00	504	133.00	174	210.00	234	298.00	75
50.00	11549	134.00	689	211.00	1906	301.00	152
51.00	42392	135.00	2269	215.00	575	302.00	283
52.00	2277	136.00	1106	216.00	923	303.00	1410
53.00	283	137.00	958	217.00	11487	304.00	480
54.00	51	138.00	151	218.00	1323	308.00	158
56.00	1267	139.00	41	219.00	316	309.00	160
57.00	2796	140.00	471	220.00	71	310.00	132
58.00	268	141.00	3601	221.00	12871	311.00	58
61.00	534	142.00	1369	223.00	3102	314.00	615
62.00	670	143.00	723	224.00	24568	315.00	1721
63.00	2077	144.00	223	225.00	6384	316.00	947
64.00	243	145.00	305	226.00	488	317.00	168
65.00	886	146.00	782	227.00	9400	321.00	410
68.00	566	147.00	1734	228.00	1307	322.00	227
69.00	52352	148.00	3707	229.00	2098	323.00	4206
70.00	154	149.00	1904	230.00	370	324.00	794
73.00	560	150.00	482	231.00	897	326.00	77
74.00	5188	151.00	413	232.00	143	327.00	946
75.00	7956	152.00	396	233.00	245	328.00	397
76.00	2871	153.00	1287	234.00	686	329.00	205
77.00	55624	154.00	1029	235.00	721	332.00	370
78.00	3741	155.00	2145	236.00	560	333.00	532
79.00	3927	156.00	3105	237.00	720	334.00	2688
80.00	3259	157.00	883	238.00	157	335.00	657
81.00	4201	158.00	852	239.00	418	336.00	66
82.00	927	159.00	664	240.00	331	341.00	570
83.00	962	160.00	1114	241.00	561	342.00	110
84.00	239	161.00	1975	242.00	1541	346.00	834
85.00	384	162.00	529	243.00	1596	347.00	55
86.00	1228	163.00	59	244.00	21360	351.00	57
87.00	665	164.00	225	245.00	3344	352.00	1321
88.00	231	165.00	1340	246.00	3707	353.00	884
89.00	142	166.00	1273	247.00	841	354.00	1145
91.00	1118	167.00	7438	248.00	191	355.00	222
92.00	1154	168.00	2658	249.00	818	359.00	58
93.00	6887	169.00	507	250.00	237	365.00	4911
94.00	625	170.00	312	251.00	265	366.00	593
95.00	159	171.00	318	252.00	252	371.00	313
96.00	207	172.00	748	253.00	360	372.00	1988
97.00	230	173.00	950	255.00	105880	373.00	466
98.00	5173	174.00	1713	256.00	15847	383.00	452

99.00	3918	175.00	2787	257.00	1178	384.00	72
100.00	378	176.00	1043	258.00	5796	390.00	246
101.00	2569	177.00	1445	259.00	829	391.00	145
102.00	262	178.00	516	260.00	84	392.00	128
103.00	723	179.00	5923	261.00	194	401.00	68
104.00	1475	180.00	4238	264.00	129	402.00	833
105.00	1422	181.00	1937	265.00	2395	403.00	818
106.00	705	182.00	396	266.00	136	404.00	349
107.00	19792	183.00	237	269.00	108	421.00	917
108.00	3068	184.00	634	270.00	52	422.00	801
109.00	1144	185.00	2910	271.00	320	423.00	5640
110.00	39808	186.00	22712	272.00	391	424.00	1076
111.00	5318	187.00	6331	273.00	3696	425.00	114
112.00	415	188.00	656	274.00	8450	436.00	110
113.00	152	189.00	1391	275.00	52160	437.00	155
115.00	174	190.00	307	276.00	7313	438.00	173
116.00	1277	191.00	664	277.00	3932	439.00	206
117.00	14981	192.00	1775	278.00	592	441.00	16304
118.00	1251	193.00	2086	282.00	77	442.00	103864
119.00	149	194.00	611	283.00	346	443.00	20904
120.00	310	196.00	5799	284.00	367	444.00	1964
121.00	120	198.00	192832	285.00	751	445.00	50
122.00	1582	199.00	12810	286.00	123		
123.00	2305	200.00	1071	289.00	176		
124.00	946	201.00	1299	290.00	143		

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Calibration:	DI00063	Instrument:	NT10
Calibration Date:	09/22/2020	Column (1):	ZB-5MSi

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RRF		RRF		RRF		RRF		RRF		RRF
Phenol	0.2	2.14471	0.5	2.206621	1	2.050134	2.5	2.074643	5	2.007806	10	1.918417
4-Methylphenol	0.2	1.446041	0.5	1.465497	1	1.324712	2.5	1.380737	5	1.406826	10	1.311598
Naphthalene	0.2	0.9981126	0.5	1.052615	1	1.041716	2.5	1.065135	5	1.056825	10	1.052505
2-Methylnaphthalene	0.2	0.7880216	0.5	0.815611	1	0.8241749	2.5	0.884414	5	0.937197	10	0.9178234
Acenaphthylene	0.2	2.63915	0.5	2.539108	1	2.463115	2.5	2.375744	5	2.355343	10	2.184431
Dimethylphthalate	0.2	1.77084	0.5	1.717721	1	1.681627	2.5	1.633043	5	1.542917	10	1.43118
Acenaphthene	0.2	1.303942	0.5	1.373382	1	1.324602	2.5	1.335051	5	1.418436	10	1.367659
Dibenzofuran	0.2	1.973976	0.5	1.965916	1	1.892589	2.5	1.985221	5	2.104233	10	2.011924
Fluorene	0.2	1.783614	0.5	1.709605	1	1.6904	2.5	1.642403	5	1.64294	10	1.536945
Phenanthrene	0.2	1.072006	0.5	1.06525	1	1.045886	2.5	1.038954	5	1.091517	10	1.064655
Anthracene	0.2	1.117189	0.5	1.102975	1	1.091968	2.5	1.124127	5	1.213796	10	1.170294
Fluoranthene	0.2	2.074522	0.5	1.938236	1	2.038196	2.5	2.095199	5	2.297419	10	2.382161
Pyrene	0.2	2.089535	0.5	2.023389	1	2.112743	2.5	2.141596	5	2.318001	10	2.405486
Butylbenzylphthalate	0.2	0.8687006	0.5	0.809554	1	0.812974	2.5	0.7738046	5	0.8131903	10	0.7645697
Benzo(a)anthracene	0.2	1.676014	0.5	1.592484	1	1.575384	2.5	1.51654	5	1.586956	10	1.509346
Chrysene	0.2	1.254711	0.5	1.244181	1	1.22435	2.5	1.232221	5	1.292076	10	1.27153
bis(2-Ethylhexyl)phthalate	0.2	0.589329	0.5	0.5407172	1	0.5476026	2.5	0.5581779	5	0.5831874	10	0.6025145
Benzofluoranthenes, Total	0.4	1.596568	1	1.532942	2	1.459151	5	1.477478	10	1.509482	20	1.450048
Benzo(a)pyrene	0.2	1.42	0.5	1.263119	1	1.214512	2.5	1.250341	5	1.287927	10	1.258277
Indeno(1,2,3-cd)pyrene	0.2	1.107266	0.5	1.114571	1	1.046621	2.5	1.040557	5	1.027002	10	1.055033
Dibenzo(a,h)anthracene	0.2	0.8951825	0.5	0.9458829	1	0.8626141	2.5	0.8503278	5	0.822459	10	0.8489915
Benzo(g,h,i)perylene	0.2	0.8895404	0.5	0.9310189	1	0.8382666	2.5	0.8325972	5	0.8346341	10	0.874889
2-Fluorophenol	0.3	1.553206	0.75	1.577326	1.5	1.517898	3.75	1.519642	7.5	1.441378	15	1.397502
Phenol-d5	0.3	2.07502	0.75	1.981002	1.5	1.905486	3.75	2.057728	7.5	2.151118	15	2.129964
2-Chlorophenol-d4	0.3	1.600441	0.75	1.579288	1.5	1.496544	3.75	1.514084	7.5	1.528186	15	1.463216
1,2-Dichlorobenzene-d4	0.2	1.035942	0.5	1.03526	1	0.9552898	2.5	0.9712962	5	0.9817424	10	0.9559
Nitrobenzene-d5	0.2	0.4376146	0.5	0.4365965	1	0.4044677	2.5	0.4160783	5	0.4122785	10	0.4129448
2-Fluorobiphenyl	0.2	1.954912	0.5	1.829147	1	1.748322	2.5	1.777641	5	1.803064	10	1.769856

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Calibration:	DI00063	Instrument:	NT10
Calibration Date:	09/22/2020	Column (1):	ZB-5MSi

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RRF		RRF		RRF		RRF		RRF		RRF
2,4,6-Tribromophenol	0.3	0.2781564	0.75	0.289683	1.5	0.2677139	3.75	0.2871336	7.5	0.2877636	15	0.2825728
p-Terphenyl-d14	0.2	1.675306	0.5	1.565684	1	1.472611	2.5	1.494567	5	1.386762	10	1.424992

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Calibration:	DI00063	Instrument:	NT10
Calibration Date:	09/22/2020	Column (1):	ZB-5MSi

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RRF		RRF		RRF		RRF		RRF		RRF
Phenol	20	1.744772										
4-Methylphenol	20	1.256346										
Naphthalene	20	0.9923586										
2-Methylnaphthalene	20	0.8796833										
Acenaphthylene	20	1.928										
Dimethylphthalate	20	1.221297										
Acenaphthene	20	1.28261										
Dibenzofuran	20	1.807948										
Fluorene	20	1.376053										
Phenanthrene	20	1.005364										
Anthracene	20	1.116273										
Fluoranthene	20	2.350259										
Pyrene	20	2.325187										
Butylbenzylphthalate	20	0.692766										
Benzo(a)anthracene	20	1.39032										
Chrysene	20	1.189212										
bis(2-Ethylhexyl)phthalate	20	0.5368103										
Benzofluoranthenes, Total	40	1.299395										
Benzo(a)pyrene	20	1.142181										
Indeno(1,2,3-cd)pyrene	20	0.9252299										
Dibenzo(a,h)anthracene	20	0.7280582										
Benzo(g,h,i)perylene	20	0.7988492										
2-Fluorophenol	30	1.261937										
Phenol-d5	30	2.120406										
2-Chlorophenol-d4	30	1.41142										
1,2-Dichlorobenzene-d4	20	0.9323735										
Nitrobenzene-d5	20	0.3938237										
2-Fluorobiphenyl	20	1.638483										

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Calibration:	DI00063	Instrument:	NT10
Calibration Date:	09/22/2020	Column (1):	ZB-5MSi

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RRF		RRF		RRF		RRF		RRF		RRF
2,4,6-Tribromophenol	30	0.268888										
p-Terphenyl-d14	20	1.272277										

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Calibration:	DI00063	Instrument:	NT10
Calibration Date:	09/22/2020	Column (1):	ZB-5MSi

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Phenol	2.021015	7.6			RSD (15)	
4-Methylphenol	1.370251	5.6			RSD (15)	
Naphthalene	1.037038	2.8			RSD (15)	
2-Methylnaphthalene	0.8638465	6.4			RSD (15)	
Acenaphthylene	2.354984	10.1			RSD (15)	
Dimethylphthalate	1.571232	12.2			RSD (15)	
Acenaphthene	1.343669	3.4			RSD (15)	
Dibenzofuran	1.963115	4.7			RSD (15)	
Fluorene	1.625994	8.2			RSD (15)	
Phenanthrene	1.054805	2.6			RSD (15)	
Anthracene	1.133803	3.8			RSD (15)	
Fluoranthene	2.167999	8.0			RSD (15)	
Pyrene	2.202277	6.6			RSD (15)	
Butylbenzylphthalate	0.7907942	6.9			RSD (15)	
Benzo(a)anthracene	1.549578	5.8			RSD (15)	
Chrysene	1.24404	2.7			RSD (15)	
bis(2-Ethylhexyl)phthalate	0.565477	4.6			RSD (15)	
Benzofluoranthenes, Total	1.475009	6.3			RSD (15)	
Benzo(a)pyrene	1.262337	6.7			RSD (15)	
Indeno(1,2,3-cd)pyrene	1.045183	6.0			RSD (15)	
Dibenzo(a,h)anthracene	0.8505023	7.9			RSD (15)	
Benzo(g,h,i)perylene	0.8571136	5.1			RSD (15)	
2-Fluorophenol	1.466984	7.5			RSD (15)	
Phenol-d5	2.060103	4.3			RSD (15)	
2-Chlorophenol-d4	1.513311	4.3			RSD (15)	
1,2-Dichlorobenzene-d4	0.9811148	4.1			RSD (15)	
Nitrobenzene-d5	0.4162577	3.8			RSD (15)	
2-Fluorobiphenyl	1.788775	5.3			RSD (15)	
2,4,6-Tribromophenol	0.280273	3.2			RSD (15)	
p-Terphenyl-d14	1.470314	8.8			RSD (15)	

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Printed: 9/22/2020 7:59:00PM

ANALYSIS SEQUENCE

SII0276

Instrument: NT10 Element Column ID: i005484
Calibration ID: DI00063 Tune File: 200228u
EM Voltage: 2047u

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Comments
SII0276-TUN1	MS Tune	QC		1	I007631		
SII0276-CAL1	Cal Standard	QC		2	I005421	I006451	
SII0276-CAL2	Cal Standard	QC		3	I005420	I006451	
SII0276-CAL3	Cal Standard	QC		4	I005419	I006451	
SII0276-CAL4	Cal Standard	QC		5	I005418	I006451	
SII0276-CAL5	Cal Standard	QC		6	I004878	I006451	
SII0276-CAL6	Cal Standard	QC		7	I005417	I006451	
SII0276-CAL7	Cal Standard	QC		8	I005416	I006451	
SII0276-SCV1	SCV 5.0	QC		9	I006450	I006451	
SII0276-IBL1	Instrument Blank	QC		10	I008417	I006451	
SII0276-ICV1	ABN 5	QC		11	I008416	I006451	
BII0460-BS1	LCS	QC		12		I006451	
BII0460-BLK1	Blank	QC		13		I006451	
BII0460-BSD1	LCS Dup	QC		14		I006451	
BII0460-SRM1	Reference	QC		15		I006451	
20I0193-01	T5-S1-A	SVOC (20ug/kg solid or 0.2ug/L low H2C	C 01	16		I006451	
BII0460-MS1	Matrix Spike	QC		17		I006451	
BII0460-MSD1	Matrix Spike Dup	QC		18		I006451	
20I0204-01	T5-S4-A	SVOC (20ug/kg solid or 0.2ug/L low H2C	C 01	19		I006451	
20I0204-03	T5-S9-A	SVOC (20ug/kg solid or 0.2ug/L low H2C	G 01	20		I006451	
20I0204-04	T5-S9-B	SVOC (20ug/kg solid or 0.2ug/L low H2C	H 01	21		I006451	
20I0204-05	T5-S9-C	SVOC (20ug/kg solid or 0.2ug/L low H2C	G 01	22		I006451	

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Printed: 9/22/2020 7:59:00PM

ANALYSIS SEQUENCE

SII0276

Instrument: NT10 Element Column ID: i005484
Calibration ID: DI00063 Tune File: 200228u
EM Voltage: 2047u

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Comments
20I0204-06	T5-S9-Z	SVOC (20ug/kg solid or 0.2ug/L low H2C	G 01	23		I006451	
20I0193-07	T5-S2/S3-A	SVOC (20ug/kg solid or 0.2ug/L low H2C	C 01	24		I006451	
SII0276-CCV1	ABN 5	QC		25	I008416	I006451	

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20200919.b

	Time	Filename	LabID	ClientId	DF																	
1	1220	NT1020091901.D	SII0276-TUN1		1	|NO ISTDS FOUND||																
2	1243	NT1020091902.D	SII0276-CAL5		1	| 9.26	131496	||11.75	469048	||15.38	240338	||18.44	451272	||23.51	290698	||26.29	218282	||24.57	509417|			
3	1321	NT1020091903.D	SII0276-CAL7		1	| 9.26	91751	||11.76	339100	||15.40	178210	||18.46	324922	||23.55	184822	||26.34	143199	||24.62	336178|			
4	1358	NT1020091904.D	SII0276-CAL1		1	| 9.26	131822	||11.76	443998	||15.39	209810	||18.46	393953	||23.54	254449	||26.33	198507	||24.61	397469|			
5	1443	NT1020091905.D	SII0276-CAL6		1	| 9.26	91102	||11.76	322693	||15.39	166762	||18.45	308652	||23.54	182341	||26.32	136693	||24.61	311320|			
6	1521	NT1020091906.D	SII0276-CAL3		1	| 9.25	114135	||11.75	384001	||15.38	193779	||18.45	366648	||23.54	238507	||26.33	185645	||24.61	368530|			
7	1558	NT1020091907.D	SII0275-CAL1		1	| 0.00	0	|| 0.00	0	|| 0.00	0	||18.45	372321	|| 0.00	0	|| 0.00	0	|| 0.00	0|			
8	1636	NT1020091908.D	SII0276-CAL4		1	| 9.26	104021	||11.76	353818	||15.39	184102	||18.47	348900	||23.56	228498	||26.36	175426	||24.64	364056|			
9	1713	NT1020091909.D	SII0275-CAL2		1	| 9.26	126387	||11.75	418355	||15.39	198679	||18.46	380057	||23.56	257363	||26.36	201162	||24.64	379097|			
10	1751	NT1020091910.D	SII0276-CAL2		1	| 9.25	114151	||11.74	384703	||15.38	185306	||18.44	347141	||23.54	225665	||26.33	174381	||24.61	331027|			
11	1828	NT1020091911.D	SII0276-SCV1		1	| 9.25	94859	||11.75	335883	||15.39	174376	||18.46	328343	||23.55	216919	||26.35	160930	||24.62	349027|			
12	1906	NT1020091912.D	SII0276-IBL1		1	| 9.26	115744	||11.76	416813	||15.40	197894	||18.48	385695	||23.57	254052	||26.36	201324	||24.64	367129|			
13	1943	NT1020091913.D	SII0276-ICV1		1	| 9.25	93146	||11.76	324935	||15.39	169115	||18.46	313093	||23.55	201743	||26.36	150159	||24.63	311473|			
14	2021	NT1020091914.D	SII0275-ICV1		1	| 9.25	109074	||11.75	366104	||15.39	180544	||18.46	346219	||23.55	236633	||26.35	176505	||24.63	338844|			
15	2058	NT1020091915.D	BII0460-BLK1		1	| 9.25	112412	||11.75	408512	||15.38	193217	||18.45	364863	||23.55	226078	||26.35	167202	||24.62	317754|			
16	2136	NT1020091916.D	BII0460-BS1		1	| 9.25	85302	||11.75	320872	||15.39	149305	||18.46	270079	||23.55	182116	||26.34	142917	||24.62	282564|			
17	2213	NT1020091917.D	BII0460-BSD1		1	| 9.25	85798	||11.75	330877	||15.38	147260	||18.46	258292	||23.55	160848	||26.35	126659	||24.62	246437|			
18	2251	NT1020091918.D	BII0460-SRM1		1	| 9.25	93614	||11.75	342929	||15.38	181808	||18.46	323117	||23.55	212353	||26.35	139382	||24.63	328409|			
19	2328	NT1020091919.D	20I0193-01		1	| 9.25	101629	||11.75	363072	||15.39	148022	||18.46	227243	||23.55	93105	||26.35	81201	||24.63	139162|			
20	0006	NT1020091920.D	BII0460-MS1		1	| 9.25	84744	||11.75	327095	||15.39	136395	||18.46	211810	||23.55	93384	||26.34	80153	||24.62	150682|			

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20200919.b

	Time	Filename	LabID	ClientId	DF																	
21	0043	NT1020091921.D	BII0460-MSD1		1	9.25	89560	11.75	362705	15.39	152866	18.47	256113	23.56	97726	26.36	77254	24.64	157141
22	0120	NT1020091922.D	20I0204-01		1	9.25	100142	11.75	355921	15.38	160063	18.46	267886	23.55	111240	26.35	87169	24.62	179724
23	0158	NT1020091923.D	20I0204-03		1	9.25	126643	11.75	463023	15.39	217474	18.46	362317	23.56	143749	26.36	106024	24.63	227731
24	0235	NT1020091924.D	20I0204-04		1	9.25	99565	11.75	354328	15.39	158619	18.46	270698	23.55	118355	26.35	91670	24.63	180879
25	0312	NT1020091925.D	20I0204-05		1	9.25	97764	11.75	348618	15.39	159283	18.46	271054	23.55	124688	26.36	97854	24.63	196546
26	0349	NT1020091926.D	20I0204-06		1	9.25	98911	11.75	351343	15.39	159568	18.46	281214	23.56	128918	26.36	101779	24.63	207734
27	0427	NT1020091927.D	20I0193-07		1	9.25	98393	11.75	355839	15.38	155125	18.45	257232	23.55	108680	26.34	84080	24.62	172923
28	0504	NT1020091928.D	SII0276-CCV1		1	9.25	82699	11.75	300579	15.39	150784	18.46	273197	23.55	147033	26.35	106988	24.62	250068

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20200919.b

ARI Job No.: SII0 Method: DFTPP8270E.m Instrument: nt10.i Date: 19-SEP-2020

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1220	NT1020091901.D	SII0276	TUN1	1	NO MANUAL INTEGRATION
1243	NT1020091902.D	SII0276	CAL5	1	NO MANUAL INTEGRATION
1321	NT1020091903.D	SII0276	CAL7	1	NO MANUAL INTEGRATION
1358	NT1020091904.D	SII0276	CAL1	1	Benzo(g,h,i)perylene,
1443	NT1020091905.D	SII0276	CAL6	1	NO MANUAL INTEGRATION
1521	NT1020091906.D	SII0276	CAL3	1	Benzo(g,h,i)perylene,
1558	NT1020091907.D	SII0275	CAL1	1	NO MANUAL INTEGRATION
1636	NT1020091908.D	SII0276	CAL4	1	NO MANUAL INTEGRATION
1713	NT1020091909.D	SII0275	CAL2	1	NO MANUAL INTEGRATION
1751	NT1020091910.D	SII0276	CAL2	1	NO MANUAL INTEGRATION
1828	NT1020091911.D	SII0276	SCV1	1	NO MANUAL INTEGRATION
1906	NT1020091912.D	SII0276	IBL1	1	NO MANUAL INTEGRATION
1943	NT1020091913.D	SII0276	ICV1	1	NO MANUAL INTEGRATION
2021	NT1020091914.D	SII0275	ICV1	1	NO MANUAL INTEGRATION
2058	NT1020091915.D	BII0460	BLK1	1	NO MANUAL INTEGRATION
2136	NT1020091916.D	BII0460	BS1	1	NO MANUAL INTEGRATION
2213	NT1020091917.D	BII0460	BSD1	1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20200919.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
2251	NT1020091918.D	BII0460-SRM1		1	NO MANUAL INTEGRATION
2328	NT1020091919.D	20I0193-01		1	Benzo(k)fluoranthene,
0006	NT1020091920.D	BII0460-MS1		1	NO MANUAL INTEGRATION
0043	NT1020091921.D	BII0460-MSD1		1	NO MANUAL INTEGRATION
0120	NT1020091922.D	20I0204-01		1	NO MANUAL INTEGRATION
0158	NT1020091923.D	20I0204-03		1	Benzo(k)fluoranthene, Benzo(g,h,i)perylene,
0235	NT1020091924.D	20I0204-04		1	Benzo(k)fluoranthene,
0312	NT1020091925.D	20I0204-05		1	Benzo(k)fluoranthene, Dibenzo(a,h)anthracene,
0349	NT1020091926.D	20I0204-06		1	Benzo(a)anthracene, Benzo(k)fluoranthene, Total Benzofluoranthenes,
0427	NT1020091927.D	20I0193-07		1	Dibenzo(a,h)anthracene,
0504	NT1020091928.D	SII0276-CCV1		1	NO MANUAL INTEGRATION

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20200919.b
Inst ID: nt10.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07
FILENAME:	NT1020091902	NT1020091903	NT1020091904	NT1020091905	NT1020091906	NT1020091908	NT1020091910
INJ.DATE:	19-SEP-2020	19-SEP-2020	19-SEP-2020	19-SEP-2020	19-SEP-2020	19-SEP-2020	19-SEP-2020
INJ.TIME:	12:43	13:21	13:58	14:43	15:21	16:36	17:51

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
$ 1 2-Fluorophenol	7.007	7.007	7.007	7.015	6.999	6.999	6.991	7.007	4.007-10.007	7.004	0.008
186 Carbaryl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.785	15.785-21.785	+++++	+++++
179 n-Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.599	5.599-11.599	+++++	+++++
180 n-Octadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.908	14.908-20.908	+++++	+++++
169 4-tert-Butylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.871	17.871-23.871	+++++	+++++
170 N,N-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.494	16.494-22.494	+++++	+++++
171 2,3-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.559	16.559-22.559	+++++	+++++
172 2,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.559	16.559-22.559	+++++	+++++
173 2,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	23.210	20.210-26.210	+++++	+++++
174 2,6-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.196	16.196-22.196	+++++	+++++
175 3,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.559	16.559-22.559	+++++	+++++
176 3,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.686	17.686-23.686	+++++	+++++
177 p-Benzoquinone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.244	5.244-11.244	+++++	+++++
168 Pentachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.842	12.842-18.842	+++++	+++++
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.212	44.212-50.212	+++++	+++++
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.746	44.746-50.746	+++++	+++++
147 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	+++++	48.216	45.216-51.216	+++++	+++++

Reviewer 1 _____ Date: _____
Reviewer 2 _____ Date: _____

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20200919.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
148 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.281	44.281-50.281	+++++	+++++
149 TCMX	+++++	+++++	+++++	+++++	+++++	+++++	+++++	43.387	40.387-46.387	+++++	+++++
150 DCBP	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.989	47.989-53.989	+++++	+++++
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	67.733	64.733-70.733	+++++	+++++
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.067	62.067-68.067	+++++	+++++
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.487	62.487-68.487	+++++	+++++
141 Diallate B	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.487	62.487-68.487	+++++	+++++
142 1,2-Dibromo-3-Chloropr	+++++	+++++	+++++	+++++	+++++	+++++	+++++	49.917	46.917-52.917	+++++	+++++
135 2,3,5,6-Tetrachlorophe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.672	13.672-19.672	+++++	+++++
136 2,3,4,5-tetrachlorophe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.317	36.317-42.317	+++++	+++++
$ 137 d8-1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	2.445	0.000-5.445	+++++	+++++
* 134 Di-n-octylphthalate-d4	24.575	24.621	24.613	24.613	24.613	24.636	24.613	24.575	21.575-27.575	24.612	0.019
133 Butylatedhydroxytoluen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.668	12.668-18.668	+++++	+++++
132 3,6-Dimethylphenanthre	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.450	62.450-68.450	+++++	+++++
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	64.400	61.400-67.400	+++++	+++++
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	62.100	59.100-65.100	+++++	+++++
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.912	51.912-57.912	+++++	+++++
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.212	51.212-57.212	+++++	+++++
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	57.650	54.650-60.650	+++++	+++++
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	56.750	53.750-59.750	+++++	+++++
144 alpha-Terpineol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.498	8.498-14.498	+++++	+++++
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	52.166	49.166-55.166	+++++	+++++

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20200919.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.617	47.617-53.617	+++++	+++++
123 Acetophenone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	10.686	7.686-13.686	+++++	+++++
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	43.467	40.467-46.467	+++++	+++++
143 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	2.697	0.000-5.697	+++++	+++++
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.500	51.500-57.500	+++++	+++++
120 2,3,4,6-Tetrachlorophe	16.111	16.135	16.127	16.119	16.119	16.127	16.111	16.111	13.111-19.111	16.121	0.009
178 2-Benzyl-4-Chloropheno	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.963	15.963-21.963	+++++	+++++
119 7,12-Dimethylbenz(a)an	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.069	44.069-50.069	+++++	+++++
118 Triphenyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	21.215	18.215-24.215	+++++	+++++
117 Butyl Diphenyl Phospha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.057	14.057-20.057	+++++	+++++
116 Dibutyl Phenyl Phospha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.747	15.747-21.747	+++++	+++++
115 Tributyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.049	14.049-20.049	+++++	+++++
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	48.950	45.950-51.950	+++++	+++++
113 Diphenyl Oxide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.341	11.341-17.341	+++++	+++++
112 Biphenyl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.632	11.632-17.632	+++++	+++++
111 Azobenzene (1,2-DP-Hyd	16.807	16.830	16.823	16.823	16.815	16.830	16.807	16.807	13.807-19.807	16.819	0.010
110 Tetrachloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.366	14.366-20.366	+++++	+++++
109 3,4,5-Trichloroguaiaco	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.070	12.070-18.070	+++++	+++++
181 3,4,6-Trichloroguaiaco	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.232	12.232-18.232	+++++	+++++
108 4,5,6-Trichloroguaiaco	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.374	13.374-19.374	+++++	+++++
184 3,4-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	13.208	10.208-16.208	+++++	+++++
107 4,5-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.160	11.160-17.160	+++++	+++++
182 4,6-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.160	11.160-17.160	+++++	+++++
185 4-Chloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.737	8.737-14.737	+++++	+++++

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20200919.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
106 Guaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	9.227	6.227-12.227	+++++	+++++
105 1-methylnaphthalene	13.411	13.427	13.419	13.419	13.419	13.419	13.411	13.411	10.411-16.411	13.418	0.005
151 1,2,4,5-Tetrachloroben	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.499	8.499-14.499	+++++	+++++
152 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	30.943	27.943-33.943	+++++	+++++
153 Chlorpyrifos	+++++	+++++	+++++	+++++	+++++	+++++	+++++	27.781	24.781-30.781	+++++	+++++
154 Diazinon	+++++	+++++	+++++	+++++	+++++	+++++	+++++	26.082	23.082-29.082	+++++	+++++
155 Kelthane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	28.270	25.270-31.270	+++++	+++++
156 Methyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	26.586	23.586-29.586	+++++	+++++
157 Ethyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	27.276	24.276-30.276	+++++	+++++
158 Ethion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	24.503	21.503-27.503	+++++	+++++
159 4-Nonylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	25.261	22.261-28.261	+++++	+++++
160 Tetraethyl Tin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.528	16.528-22.528	+++++	+++++
161 1,2,3-Trichloronaphtha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	36.246	33.246-39.246	+++++	+++++
162 1,2,3,4-Tetrachloronap	+++++	+++++	+++++	+++++	+++++	+++++	+++++	37.506	34.506-40.506	+++++	+++++
163 1,2,3,5,8-Pentachloron	+++++	+++++	+++++	+++++	+++++	+++++	+++++	38.893	35.893-41.893	+++++	+++++
164 1,2,3,4,6,7-Hexachloro	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.681	36.681-42.681	+++++	+++++
165 1,2,3,4,5,6,7-Heptachl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	41.123	38.123-44.123	+++++	+++++
166 Octachloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	42.253	39.253-45.253	+++++	+++++
167 2,2',4,4',5-Pentabromo	+++++	+++++	+++++	+++++	+++++	+++++	+++++	42.033	39.033-45.033	+++++	+++++
$ 2 Phenol-d5	8.599	8.614	8.599	8.607	8.591	8.591	8.591	8.599	5.599-11.599	8.599	0.009
3 Phenol	8.622	8.637	8.622	8.630	8.614	8.614	8.606	8.622	5.622-11.622	8.621	0.010
4 Bis(2-Chloroethyl)ethe	8.800	8.807	8.800	8.807	8.792	8.792	8.792	8.800	5.800-11.800	8.798	0.007
$ 5 2-Chlorophenol-d4	8.892	8.900	8.892	8.892	8.884	8.885	8.877	8.892	5.892-11.892	8.889	0.008

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20200919.b
Inst ID: nt10.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	6 2-Chlorophenol	8.915	8.923	8.915	8.923	8.915	8.915	8.908	8.915	5.915-11.915	8.916	0.005
	7 1,3-Dichlorobenzene	9.187	9.194	9.194	9.194	9.186	9.186	9.186	9.187	6.187-12.187	9.190	0.004
*	8 1,4-Dichlorobenzene-d4	9.256	9.264	9.256	9.264	9.248	9.256	9.248	9.256	6.256-12.256	9.256	0.006
	9 1,4-Dichlorobenzene	9.287	9.295	9.287	9.295	9.280	9.287	9.279	9.287	6.287-12.287	9.287	0.006
$	10 1,2-Dichlorobenzene-d4	9.621	9.621	9.621	9.621	9.613	9.613	9.613	9.621	6.621-12.621	9.618	0.004
	11 Benzyl alcohol	9.520	9.536	9.528	9.528	9.520	9.520	9.512	9.520	6.520-12.520	9.523	0.008
	12 1,2-Dichlorobenzene	9.644	9.652	9.652	9.652	9.644	9.644	9.636	9.644	6.644-12.644	9.647	0.006
	13 2-Methylphenol	9.745	9.753	9.745	9.753	9.737	9.745	9.737	9.745	6.745-12.745	9.745	0.006
	14 2,2'-oxybis(1-Chloropr	9.823	9.831	9.831	9.831	9.823	9.823	9.815	9.823	6.823-12.823	9.825	0.006
	15 4-Methylphenol	10.009	10.025	10.017	10.017	10.009	10.009	10.001	10.009	7.009-13.009	10.013	0.008
	16 N-Nitroso-di-n-propyla	10.087	10.102	10.087	10.095	10.079	10.079	10.079	10.087	7.087-13.087	10.087	0.009
	17 Hexachloroethane	10.234	10.242	10.242	10.242	10.234	10.234	10.226	10.234	7.234-13.234	10.236	0.006
$	18 Nitrobenzene-d5	10.358	10.374	10.366	10.366	10.358	10.358	10.351	10.358	7.358-13.358	10.362	0.008
	19 Nitrobenzene	10.397	10.405	10.397	10.405	10.389	10.397	10.389	10.397	7.397-13.397	10.397	0.006
	20 Isophorone	10.840	10.855	10.840	10.847	10.832	10.840	10.832	10.840	7.840-13.840	10.841	0.008
	21 2-Nitrophenol	11.020	11.037	11.028	11.028	11.020	11.028	11.020	11.020	8.020-14.020	11.026	0.006
	22 2,4-Dimethylphenol	11.062	11.079	11.062	11.071	11.062	11.062	11.054	11.062	8.062-14.062	11.065	0.008
	23 Bis(2-Chloroethoxy)met	11.266	11.283	11.274	11.274	11.266	11.266	11.257	11.266	8.266-14.266	11.269	0.008
	24 Benzoic acid	11.249	11.368	11.138	11.291	11.155	11.198	11.138	11.249	8.249-14.249	11.220	0.087
	25 2,4-Dichlorophenol	11.470	11.486	11.478	11.478	11.469	11.469	11.461	11.470	8.470-14.470	11.473	0.008
	26 1,2,4-Trichlorobenzene	11.663	11.671	11.671	11.663	11.655	11.663	11.655	11.663	8.663-14.663	11.663	0.006
*	27 Naphthalene-d8	11.748	11.764	11.756	11.756	11.748	11.756	11.740	11.748	8.748-14.748	11.752	0.008
	28 Naphthalene	11.794	11.802	11.794	11.794	11.787	11.794	11.787	11.794	8.794-14.794	11.793	0.005
	29 4-Chloroaniline	11.926	11.941	11.933	11.933	11.926	11.926	11.918	11.926	8.926-14.926	11.929	0.008

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20200919.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
30 Hexachlorobutadiene	12.142	12.158	12.150	12.150	12.150	12.150	12.142	12.142	9.142-15.142	12.149	0.005
31 4-Chloro-3-methylpheno	12.870	12.893	12.885	12.877	12.870	12.877	12.869	12.870	9.870-15.870	12.877	0.009
32 2-Methylnaphthalene	13.187	13.202	13.195	13.195	13.187	13.195	13.187	13.187	10.187-16.187	13.192	0.006
33 Hexachlorocyclopentadi	13.651	13.667	13.659	13.659	13.659	13.659	13.651	13.651	10.651-16.651	13.658	0.005
34 2,4,6-Trichlorophenol	13.806	13.829	13.821	13.822	13.814	13.821	13.806	13.806	10.806-16.806	13.817	0.009
35 2,4,5-Trichlorophenol	13.876	13.899	13.891	13.891	13.883	13.891	13.876	13.876	10.876-16.876	13.887	0.009
$ 36 2-Fluorobiphenyl	13.969	13.992	13.984	13.984	13.976	13.984	13.968	13.969	10.969-16.969	13.980	0.009
37 2-Chloronaphthalene	14.185	14.208	14.201	14.193	14.193	14.201	14.185	14.185	11.185-17.185	14.195	0.009
38 2-Nitroaniline	14.456	14.479	14.464	14.464	14.456	14.464	14.456	14.456	11.456-17.456	14.463	0.008
39 Dimethylphthalate	14.882	14.905	14.897	14.890	14.890	14.897	14.882	14.882	11.882-17.882	14.892	0.009
40 Acenaphthylene	15.068	15.083	15.075	15.075	15.068	15.083	15.067	15.068	12.068-18.068	15.074	0.007
41 2,6-Dinitrotoluene	15.029	15.052	15.037	15.044	15.029	15.044	15.029	15.029	12.029-18.029	15.038	0.009
* 42 Acenaphthene-d10	15.377	15.400	15.392	15.393	15.385	15.392	15.377	15.377	12.377-18.377	15.388	0.009
43 3-Nitroaniline	15.315	15.346	15.323	15.331	15.315	15.331	15.315	15.315	12.315-18.315	15.325	0.012
44 Acenaphthene	15.447	15.470	15.454	15.454	15.454	15.462	15.446	15.447	12.447-18.447	15.455	0.008
45 2,4-Dinitrophenol	15.524	15.555	15.539	15.539	15.524	15.539	15.524	15.524	12.524-18.524	15.535	0.012
46 Dibenzofuran	15.771	15.794	15.787	15.787	15.779	15.787	15.771	15.771	12.771-18.771	15.782	0.009
47 4-Nitrophenol	15.617	15.648	15.632	15.632	15.624	15.632	15.617	15.617	12.617-18.617	15.629	0.011
48 2,4-Dinitrotoluene	15.841	15.872	15.849	15.856	15.841	15.856	15.841	15.841	12.841-18.841	15.851	0.012
49 Fluorene	16.490	16.514	16.506	16.506	16.498	16.514	16.498	16.490	13.490-19.490	16.504	0.009
50 Diethylphthalate	16.343	16.374	16.359	16.359	16.351	16.367	16.343	16.343	13.343-19.343	16.357	0.012
51 4-Chlorophenyl-phenyle	16.475	16.498	16.498	16.490	16.490	16.498	16.483	16.475	13.475-19.475	16.490	0.009
52 4-Nitroaniline	16.591	16.630	16.599	16.614	16.591	16.607	16.591	16.591	13.591-19.591	16.603	0.015
53 4,6-Dinitro-2-methylph	16.676	16.715	16.692	16.699	16.684	16.699	16.684	16.676	13.676-19.676	16.693	0.013

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20200919.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
54 N-Nitrosodiphenylamine	16.730	16.761	16.745	16.746	16.738	16.753	16.738	16.730	13.730-19.730	16.744	0.010
$ 55 2,4,6-Tribromophenol	17.023	17.054	17.046	17.046	17.038	17.054	17.038	17.023	14.023-20.023	17.043	0.011
56 4-Bromophenyl-phenylet	17.486	17.517	17.509	17.501	17.501	17.517	17.501	17.486	14.486-20.486	17.504	0.011
57 Hexachlorobenzene	17.810	17.833	17.826	17.826	17.818	17.833	17.818	17.810	14.810-20.810	17.823	0.009
58 Pentachlorophenol	18.166	18.189	18.189	18.182	18.182	18.197	18.174	18.166	15.166-21.166	18.183	0.010
* 59 Phenanthrene-d10	18.437	18.460	18.460	18.453	18.453	18.468	18.445	18.437	15.437-21.437	18.454	0.010
60 Phenanthrene	18.484	18.514	18.507	18.499	18.499	18.514	18.499	18.484	15.484-21.484	18.502	0.011
61 Anthracene	18.576	18.607	18.600	18.600	18.592	18.607	18.592	18.576	15.576-21.576	18.596	0.011
62 Carbazole	18.917	18.940	18.932	18.932	18.924	18.948	18.924	18.917	15.917-21.917	18.931	0.010
63 Di-n-butylphthalate	19.706	19.729	19.729	19.721	19.721	19.745	19.721	19.706	16.706-22.706	19.725	0.012
64 Fluoranthene	20.882	20.913	20.905	20.897	20.897	20.921	20.897	20.882	17.882-23.882	20.902	0.013
65 Pyrene	21.307	21.338	21.331	21.331	21.331	21.346	21.323	21.307	18.307-24.307	21.330	0.012
$ 66 Terphenyl-d14	21.594	21.625	21.617	21.617	21.617	21.632	21.617	21.594	18.594-24.594	21.617	0.012
67 Butylbenzylphthalate	22.523	22.562	22.554	22.554	22.554	22.577	22.554	22.523	19.523-25.523	22.554	0.016
68 Benzo(a)anthracene	23.491	23.522	23.514	23.514	23.514	23.537	23.514	23.491	20.491-26.491	23.515	0.014
* 69 Chrysene-d12	23.514	23.553	23.545	23.545	23.545	23.560	23.545	23.514	20.514-26.514	23.544	0.014
70 3,3'-Dichlorobenzidine	23.452	23.491	23.475	23.475	23.475	23.491	23.475	23.452	20.452-26.452	23.476	0.013
71 Chrysene	23.560	23.599	23.591	23.591	23.591	23.607	23.591	23.560	20.560-26.560	23.590	0.014
72 bis(2-Ethylhexyl)phtha	23.553	23.591	23.584	23.584	23.584	23.607	23.583	23.553	20.553-26.553	23.584	0.016
73 Di-n-octylphthalate	24.590	24.629	24.621	24.621	24.629	24.644	24.629	24.590	21.590-27.590	24.623	0.017
74 Benzo(b)fluoranthene	25.457	25.504	25.496	25.496	25.496	25.527	25.503	25.457	22.457-28.457	25.497	0.021
75 Benzo(k)fluoranthene	25.504	25.558	25.542	25.550	25.550	25.573	25.550	25.504	22.504-28.504	25.547	0.021
187 Total Benzofluoranthen	25.457	25.558	25.496	25.550	25.496	25.573	25.503	25.457	22.457-28.457	25.519	0.042
76 Benzo(a)pyrene	26.162	26.208	26.200	26.200	26.200	26.231	26.208	26.162	23.162-29.162	26.201	0.021

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20200919.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
* 77 Perylene-d12	26.286	26.340	26.332	26.324	26.332	26.355	26.332	26.286	23.286-29.286	26.329	0.021
78 Indeno(1,2,3-cd)pyrene	29.145	29.215	29.200	29.215	29.215	29.262	29.215	29.145	26.145-32.145	29.210	0.034
79 Dibenzo(a,h)anthracene	29.169	29.239	29.231	29.231	29.238	29.277	29.238	29.169	26.169-32.169	29.232	0.032
80 Benzo(g,h,i)perylene	29.992	30.077	30.054	30.062	30.062	30.108	30.070	29.992	26.992-32.992	30.061	0.035
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	51.633	48.633-54.633	+++++	+++++
$ 86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	63.533	60.533-66.533	+++++	+++++
$ 87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	60.273	57.273-63.273	+++++	+++++
$ 88 Dibenz(a,h)anthracene-	+++++	+++++	+++++	+++++	+++++	+++++	+++++	78.600	75.600-81.600	+++++	+++++
$ 89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.841	47.841-53.841	+++++	+++++
90 N-Nitrosodimethylamine	4.836	4.821	4.813	4.836	4.806	4.798	4.798	4.836	1.836-7.836	4.815	0.017
91 Aniline	8.715	8.722	8.715	8.722	8.707	8.707	8.699	8.715	5.715-11.715	8.712	0.009
92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	56.160	53.160-59.160	+++++	+++++
93 Benzidine	21.122	21.153	21.145	21.145	21.145	21.160	21.137	21.122	18.122-24.122	21.144	0.012
$ 95 D10-1-methylnaphthalen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	52.075	49.075-55.075	+++++	+++++
96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	49.250	46.250-52.250	+++++	+++++
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	61.202	58.202-64.202	+++++	+++++
98 Retene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.500	16.500-22.500	+++++	+++++
99 Perylene	26.348	26.402	26.386	26.386	26.386	26.417	26.394	26.348	23.348-29.348	26.388	0.021
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	25.411	22.411-28.411	+++++	+++++
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	26.023	23.023-29.023	+++++	+++++
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	79.550	76.550-82.550	+++++	+++++
103 Pyridine	4.860	4.829	4.852	4.844	4.829	4.821	4.829	4.860	1.860-7.860	4.838	0.014
188 2,6-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.874	8.874-14.874	+++++	+++++
189 N-Nitrosomethylethylam	+++++	+++++	+++++	+++++	+++++	+++++	+++++	5.818	2.818-8.818	+++++	+++++

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Calibration File Names:
Level 1: \\target\share\chem3\nt10.i\20200919.b\NT1020091904.D
Level 2: \\target\share\chem3\nt10.i\20200919.b\NT1020091910.D
Level 3: \\target\share\chem3\nt10.i\20200919.b\NT1020091906.D
Level 4: \\target\share\chem3\nt10.i\20200919.b\NT1020091908.D
Level 5: \\target\share\chem3\nt10.i\20200919.b\NT1020091902.D
Level 6: \\target\share\chem3\nt10.i\20200919.b\NT1020091905.D
Level 7: \\target\share\chem3\nt10.i\20200919.b\NT1020091903.D

Compound	0.2000000 Level 1	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	20.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
186 Carbaryl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
179 n-Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
180 n-Octadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
169 4-tert-Butylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
170 N,N-Dimethylaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++					
							AVRG		0.000e+000		0.000e+000
171 2,3-Dimethylaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++					
							AVRG		0.000e+000		0.000e+000
172 2,4-Dimethylaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++					
							AVRG		0.000e+000		0.000e+000
173 2,5-Dimethylaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++					
							AVRG		0.000e+000		0.000e+000
174 2,6-Dimethylaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++					
							AVRG		0.000e+000		0.000e+000
175 3,4-Dimethylaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++					
							AVRG		0.000e+000		0.000e+000
176 3,5-Dimethylaniline	+++++ / +++++	+++++	+++++	+++++	+++++	+++++					
							AVRG		0.000e+000		0.000e+000

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
177 p-Benzoquinone	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000 <-
168 Pentachlorobenzene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000 <-
145 4,4'-DDE	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
146 4,4'-DDD	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
147 4,4'-DDT	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
148 Dieldrin	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
149 TCMX	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
150 DCBP	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
138 Chlorobenzilate	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
139 Isodrin	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
140 Diallate A	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
141 Diallate B	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
142 1,2-Dibromo-3-Chloropropane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000
135 2,3,5,6-Tetrachlorophenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
136 2,3,4,5-tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	
133 Butylatedhydroxytoluene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
132 3,6-Dimethylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
127 2-Isopropylnaphthalene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	
126 N-Tetradecane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	
144 alpha-Terpineol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
125 Safrole	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	
124 3,4-Dimethylphenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	
123 Acetophenone	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
122 Furfuraldehyde	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
143 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	
120 2,3,4,6-Tetrachlorophenol	0.37529	0.38263	0.39166	0.43017	0.49848	0.53005						
	0.49841						AVRG		0.44381		14.47152	
178 2-Benzyl-4-Chlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
119 7,12-Dimethylbenz(a)anthracen	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	
118 Triphenyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
117 Butyl Diphenyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
116 Dibutyl Phenyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
115 Tributyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	
113 Diphenyl Oxide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
112 Biphenyl	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
111 Azobenzene (1,2-DP-Hydrazine)	1.96511	1.91135	1.87750	1.83616	1.85249	1.73587						
	1.56342						AVRG		1.82027		7.33412	
110 Tetrachloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
109 3,4,5-Trichloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
181 3,4,6-Trichloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
108 4,5,6-Trichloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
184 3,4-Dichloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
107 4,5-Dichloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
182 4,6-Dichloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
185 4-Chloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
106 Guaiacol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
105 1-methylnaphthalene	0.78825	0.78226	0.80016	0.85376	0.89442	0.87517					
	0.84235						AVRG		0.83377		5.30089
151 1,2,4,5-Tetrachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
152 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
153 Chlorpyrifos	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
154 Diazinon	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
155 Kelthane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
156 Methyl Parathion	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000
157 Ethyl Parathion	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000
158 Ethion	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000
159 4-Nonylphenol	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000
160 Tetraethyl Tin	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000
161 1,2,3-Trichloronaphthalene	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000
162 1,2,3,4-Tetrachloronapthalene	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
163 1,2,3,5,8-Pentachloronaphthal	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
164 1,2,3,4,6,7-Hexachloronaphtha	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
165 1,2,3,4,5,6,7-Heptachloronaph	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
166 Octachloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
167 2,2',4,4',5-Pentabromobipheny	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
3 Phenol	2.14471	2.20662	2.05013	2.07464	2.00781	1.91842					
	1.74477						AVRG		2.02101		7.57129
4 Bis(2-Chloroethyl)ether	1.68272	1.69642	1.61503	1.57556	1.55533	1.49714					
	1.40235						AVRG		1.57494		6.56835

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
6 2-Chlorophenol	1.87905	1.80526	1.64440	1.62736	1.62988	1.56000					
	1.45378						AVRG		1.65710		8.66715
7 1,3-Dichlorobenzene	1.77998	1.83834	1.77537	1.71993	1.68129	1.63033					
	1.48264						AVRG		1.70112		6.95761
9 1,4-Dichlorobenzene	1.46561	1.51533	1.48726	1.48098	1.47453	1.44696					
	1.33901						AVRG		1.45852		3.88652
11 Benzyl alcohol	0.82096	0.85823	0.85614	0.89270	0.96201	0.88651					
	0.86947						AVRG		0.87800		4.99514
12 1,2-Dichlorobenzene	1.57789	1.64000	1.59254	1.57159	1.55051	1.48773					
	1.37531						AVRG		1.54222		5.62322
13 2-Methylphenol	1.37504	1.33241	1.28027	1.28417	1.29712	1.22932					
	1.16712						AVRG		1.28078		5.27581
14 2,2'-oxybis(1-Chloropropane)	0.55029	0.51658	0.52843	0.51819	0.52329	0.51065					
	0.48176						AVRG		0.51846		3.97391

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
15 4-Methylphenol	1.44604	1.46550	1.32471	1.38074	1.40683	1.31160					
	1.25635						AVRG		1.37025		5.55411
16 N-Nitroso-di-n-propylamine	1.02077	0.94703	0.95879	0.93669	0.97648	0.92679					
	0.87754						AVRG		0.94916		4.66381
17 Hexachloroethane	0.60278	0.64988	0.61790	0.62683	0.66289	0.65362					
	0.63525						AVRG		0.63559		3.36270
19 Nitrobenzene	0.46712	0.43938	0.43805	0.43581	0.43828	0.43357					
	0.40546						AVRG		0.43681		4.09911
20 Isophorone	0.78410	0.79153	0.82172	0.84802	0.89794	0.88896					
	0.98968						AVRG		0.86028		8.37599
21 2-Nitrophenol	0.24496	0.25248	0.24826	0.25564	0.27975	0.27221					
	0.26169						AVRG		0.25928		4.92455
22 2,4-Dimethylphenol	0.41845	0.42190	0.38819	0.38270	0.35142	0.32917					
	0.29253						AVRG		0.36919		12.86862

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
23 Bis(2-Chloroethoxy)methane	0.51469	0.49410	0.47950	0.46647	0.40835	0.40660					
	0.38440						AVRG		0.45059		11.16688
24 Benzoic acid	+++++	31276	74568	205629	597918	810720					
	1655584						QUAD	0.000e+000	3.93098	0.03291	0.99977
25 2,4-Dichlorophenol	0.34401	0.35464	0.33211	0.33376	0.33705	0.32353					
	0.29114						AVRG		0.33089		6.06670
26 1,2,4-Trichlorobenzene	0.38451	0.39095	0.37446	0.37252	0.34299	0.33348					
	0.29255						AVRG		0.35592		9.83357
28 Naphthalene	0.99811	1.05261	1.04172	1.06514	1.05682	1.05251					
	0.99236						AVRG		1.03704		2.83773
29 4-Chloroaniline	+++++	0.39865	0.40015	0.48381	0.45284	0.43187					
	0.41126						AVRG		0.42976		7.81921
30 Hexachlorobutadiene	0.19225	0.21211	0.20410	0.21060	0.20067	0.19769					
	0.17657						AVRG		0.19914		6.10121

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
31 4-Chloro-3-methylphenol	+++++	0.33305	0.32879	0.35373	0.37844	0.36635					
	0.35962						AVRG		0.35333		5.44910
32 2-Methylnaphthalene	0.78802	0.81561	0.82417	0.88441	0.93720	0.91782					
	0.87968						AVRG		0.86385		6.44836
33 Hexachlorocyclopentadiene	+++++	0.49054	0.50190	0.51751	0.55411	0.54118					
	0.49208						AVRG		0.51622		5.13069
34 2,4,6-Trichlorophenol	+++++	0.53037	0.49527	0.51832	0.54641	0.52270					
	0.48018						AVRG		0.51554		4.66580
35 2,4,5-Trichlorophenol	+++++	0.55813	0.53139	0.57244	0.60431	0.57260					
	0.53106						AVRG		0.56165		4.98534
37 2-Chloronaphthalene	1.56952	1.64938	1.61954	1.61193	1.71335	1.63843					
	1.49919						AVRG		1.61448		4.14826
38 2-Nitroaniline	+++++	0.38568	0.40555	0.42587	0.45280	0.43953					
	0.41793						AVRG		0.42123		5.69159

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
39 Dimethylphthalate	1.77084	1.71772	1.68163	1.63304	1.54292	1.43118					
	1.22130						AVRG		1.57123		12.19196
40 Acenaphthylene	2.63915	2.53911	2.46312	2.37574	2.35534	2.18443					
	1.92800						AVRG		2.35498		10.08115
41 2,6-Dinitrotoluene	+++++	0.38162	0.36286	0.36587	0.37977	0.34912					
	0.31412						AVRG		0.35889		6.95661
43 3-Nitroaniline	+++++	0.40394	0.42331	0.43436	0.45744	0.40469					
	0.35772						AVRG		0.41357		8.19445
44 Acenaphthene	1.30394	1.37338	1.32460	1.33505	1.41844	1.36766					
	1.28261						AVRG		1.34367		3.43648
45 2,4-Dinitrophenol	+++++	7445	22759	83129	282219	413322					
	890627						QUAD	0.000e+000	4.29672	-0.06139	0.99889
46 Dibenzofuran	1.97398	1.96592	1.89259	1.98522	2.10423	2.01192					
	1.80795						AVRG		1.96312		4.74046

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
47 4-Nitrophenol	+++++	0.11618	0.11712	0.13727	0.15919	0.15145					
	0.14550						AVRG		0.13778		12.97756
48 2,4-Dinitrotoluene	+++++	0.42023	0.46261	0.49159	0.52738	0.49642					
	0.45184						AVRG		0.47501		7.97043
49 Fluorene	1.78361	1.70960	1.69040	1.64240	1.64294	1.53694					
	1.37605						AVRG		1.62599		8.21059
50 Diethylphthalate	1.57686	1.52310	1.49131	1.46580	1.47319	1.35768					
	1.16977						AVRG		1.43682		9.41353
51 4-Chlorophenyl-phenylether	0.84200	0.82652	0.79501	0.79375	0.80121	0.75811					
	0.67782						AVRG		0.78492		6.90457
52 4-Nitroaniline	0.43382	0.36478	0.43438	0.44360	0.41999	0.41222					
	0.38258						AVRG		0.41305		7.07703
53 4,6-Dinitro-2-methylphenol	+++++	0.14973	0.16992	0.20527	0.19918	0.21652					
	0.19744						AVRG		0.18968		13.12869

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
54 N-Nitrosodiphenylamine	0.57738	0.58190	0.56091	0.52540	0.51290	0.46396					
	0.41291						AVRG		0.51934		12.04594
56 4-Bromophenyl-phenylether	0.35893	0.35985	0.35357	0.35122	0.36315	0.35437					
	0.32634						AVRG		0.35249		3.47343
57 Hexachlorobenzene	0.39269	0.40505	0.36030	0.35555	0.32719	0.31539					
	0.27125						AVRG		0.34677		13.33818
58 Pentachlorophenol	+++++	0.11448	0.12935	0.15077	0.16261	0.15823					
	0.14536						AVRG		0.14347		12.78091
60 Phenanthrene	1.07201	1.06525	1.04589	1.03895	1.09152	1.06466					
	1.00536						AVRG		1.05480		2.63214
61 Anthracene	1.11719	1.10298	1.09197	1.12413	1.21380	1.17029					
	1.11627						AVRG		1.13380		3.79491
62 Carbazole	1.08779	1.08643	1.12189	1.13107	1.25604	1.19618					
	1.12843						AVRG		1.14398		5.37064

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
63 Di-n-butylphthalate	1.44347	1.31928	1.37012	1.42459	1.64913	1.58696					
	1.51506						AVRG		1.47266		7.99652
64 Fluoranthene	2.07452	1.93824	2.03820	2.09520	2.29742	2.38216					
	2.35026						AVRG		2.16800		7.97832
65 Pyrene	2.08953	2.02339	2.11274	2.14160	2.31800	2.40549					
	2.32519						AVRG		2.20228		6.58549
67 Butylbenzylphthalate	0.86870	0.80955	0.81297	0.77380	0.81319	0.76457					
	0.69277						AVRG		0.79079		6.92638
68 Benzo(a)anthracene	1.67601	1.59248	1.57538	1.51654	1.58696	1.50935					
	1.39032						AVRG		1.54958		5.76985
70 3,3'-Dichlorobenzidine	+++++	0.57854	0.57191	0.57518	0.60019	0.55629					
	0.50574						AVRG		0.56464		5.68901
71 Chrysene	1.25471	1.24418	1.22435	1.23222	1.29208	1.27153					
	1.18921						AVRG		1.24404		2.68824

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
72 bis(2-Ethylhexyl)phthalate	0.58933	0.54072	0.54760	0.55818	0.58319	0.60251					
	0.53681						AVRG		0.56548		4.60126
73 Di-n-octylphthalate	1.06303	1.10057	1.04553	1.03852	1.04367	1.03998					
	0.95129						AVRG		1.04037		4.31905
74 Benzo(b)fluoranthene	1.59732	1.61953	1.44172	1.55259	1.54349	1.45545					
	1.41125						AVRG		1.51734		5.35216
75 Benzo(k)fluoranthene	1.63460	1.50200	1.55221	1.52079	1.60961	1.56833					
	1.30002						AVRG		1.52679		7.22102
187 Total Benzofluoranthenes	1.59657	1.53294	1.45915	1.47748	1.50948	1.45005					
	1.29940						AVRG		1.47501		6.25308
76 Benzo(a)pyrene	1.42000	1.26312	1.21451	1.25034	1.28793	1.25828					
	1.14218						AVRG		1.26234		6.65922
78 Indeno(1,2,3-cd)pyrene	1.10727	1.11457	1.04662	1.04056	1.02700	1.05503					
	0.92523						AVRG		1.04518		5.98890

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
79 Dibenzo(a,h)anthracene	0.89518	0.94588	0.86261	0.85033	0.82246	0.84899					
	0.72806						AVRG		0.85050		7.89052
80 Benzo(g,h,i)perylene	0.88954	0.93102	0.83827	0.83260	0.83463	0.87489					
	0.79885						AVRG		0.85711		5.14891
90 N-Nitrosodimethylamine	1.04580	1.04949	1.09691	1.11666	1.08711	1.07884					
	0.93284						AVRG		1.05824		5.73810
91 Aniline	1.54261	1.56344	1.48279	1.45222	1.41048	1.32566					
	1.21889						AVRG		1.42801		8.55631
92 1,2-Diphenylhydrazine	*****	*****	*****	*****	*****	*****					
	*****						AVRG		0.000e+000		0.000e+000
93 Benzidine	0.90101	0.81182	0.87469	0.80474	1.03093	0.84630					
	*****						AVRG		0.87825		9.48283
96 p-Cymene	*****	*****	*****	*****	*****	*****					
	*****						AVRG		0.000e+000		0.000e+000

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	
98 Retene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
99 Perylene	1.26545	1.10567	1.07168	1.06732	1.14482	1.11341						
	1.02156						AVRG		1.11284		7.00503	
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	
103 Pyridine	1.57591	1.69852	1.69021	1.66050	1.53874	1.46229						
	1.32526						AVRG		1.56449		8.71184	

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
188 2,6-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
189 N-Nitrosomethylethylamine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
$ 1 2-Fluorophenol	1.55321	1.57733	1.51790	1.51964	1.44138	1.39750					
	1.26194						AVRG		1.46698		7.49333
$ 137 d8-1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
$ 2 Phenol-d5	2.07502	1.98100	1.90549	2.05773	2.15112	2.12996					
	2.12041						AVRG		2.06010		4.30498
$ 5 2-Chlorophenol-d4	1.60044	1.57929	1.49654	1.51408	1.52819	1.46322					
	1.41142						AVRG		1.51331		4.29428
$ 10 1,2-Dichlorobenzene-d4	1.03594	1.03526	0.95529	0.97130	0.98174	0.95590					
	0.93237						AVRG		0.98111		4.10093

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 18 Nitrobenzene-d5	0.43761	0.43660	0.40447	0.41608	0.41228	0.41294					
	0.39382						AVRG		0.41626		3.84742
$ 36 2-Fluorobiphenyl	1.95491	1.82915	1.74832	1.77764	1.80306	1.76986					
	1.63848						AVRG		1.78877		5.31049
$ 55 2,4,6-Tribromophenol	0.27816	0.28968	0.26771	0.28713	0.28776	0.28257					
	0.26889						AVRG		0.28027		3.22053
$ 66 Terphenyl-d14	1.67531	1.56568	1.47261	1.49457	1.38676	1.42499					
	1.27228						AVRG		1.47031		8.77884
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
$ 86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
$ 87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Compound	0.2000000 Level 1	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	20.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 88 Dibenz(a,h)anthracene-d14	#####	#####	#####	#####	#####	#####	#####					
								AVRG		0.000e+000		0.000e+000
$ 89 Diphenyl-d10	#####	#####	#####	#####	#####	#####	#####					
								AVRG		0.000e+000		0.000e+000
$ 95 D10-1-methylnaphthalene	#####	#####	#####	#####	#####	#####	#####					
								AVRG		0.000e+000		0.000e+000

ARI Labs, Inc.

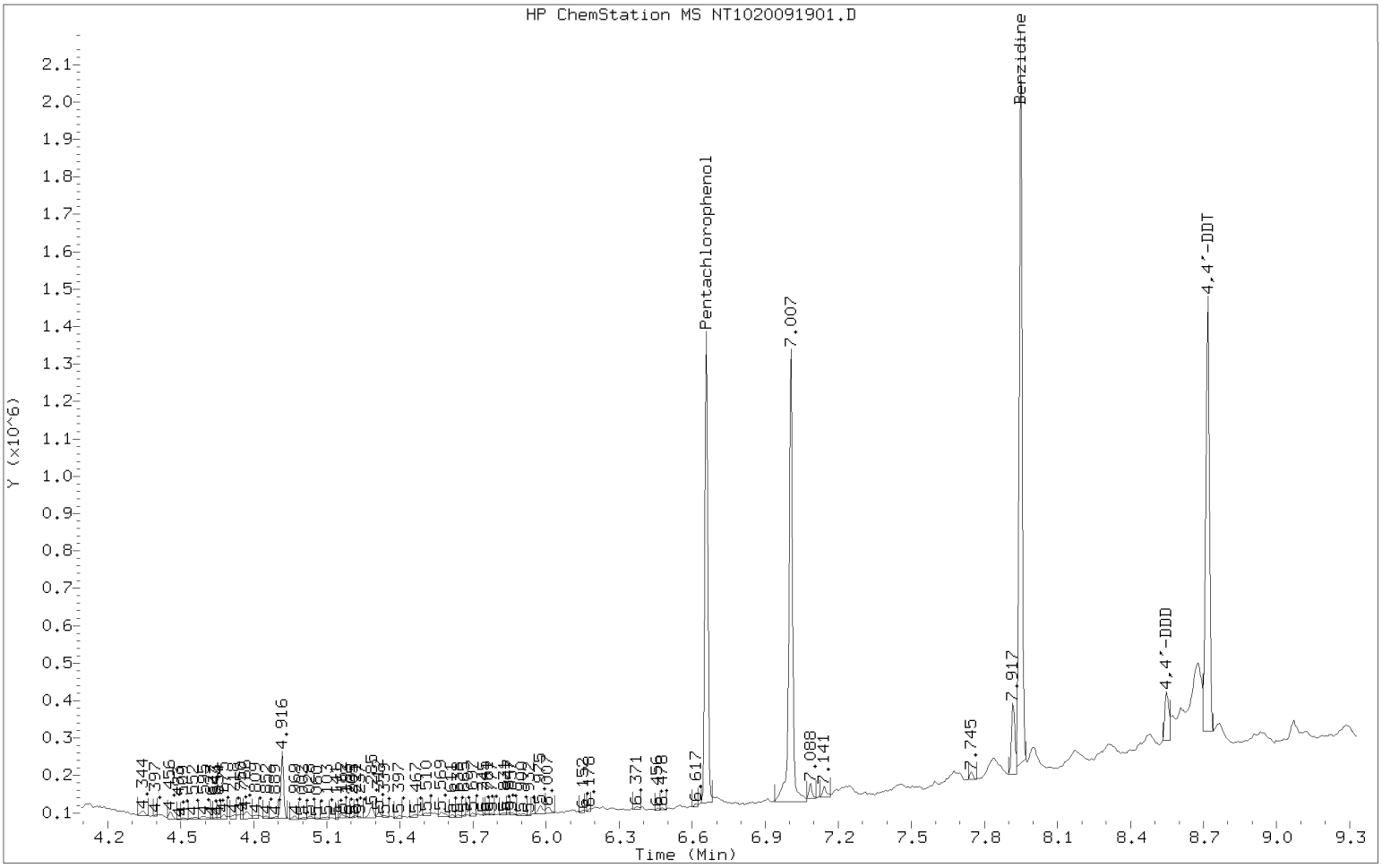
INITIAL CALIBRATION DATA

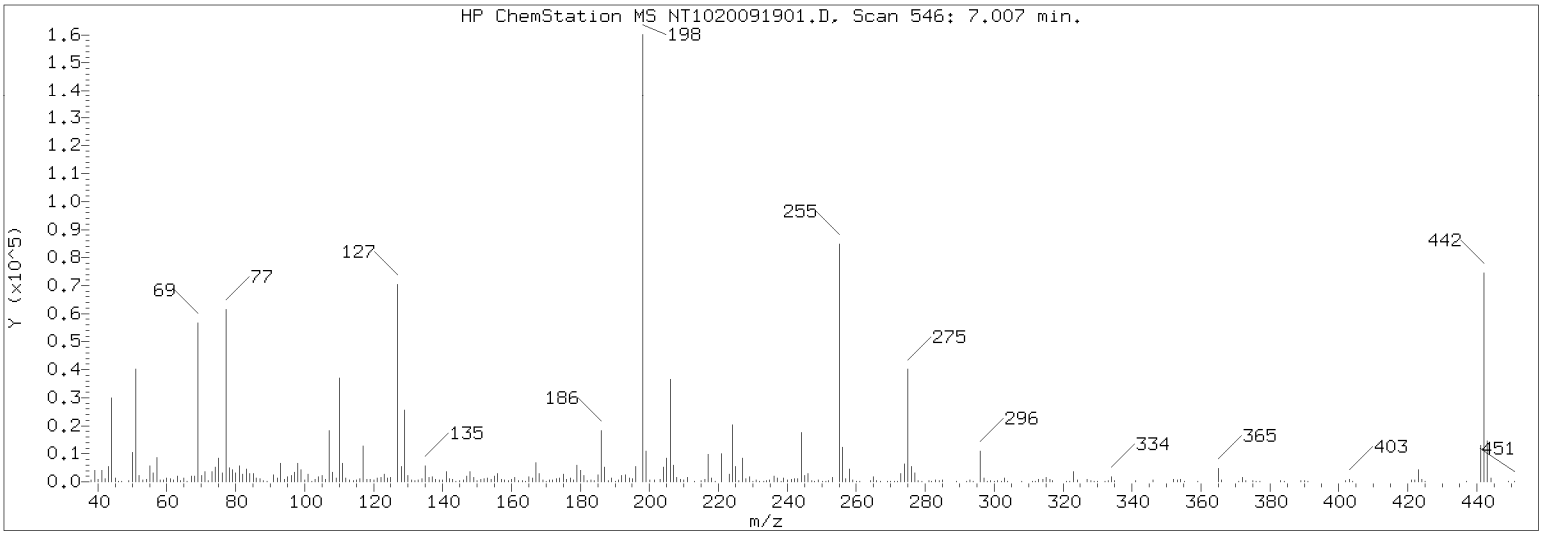
Start Cal Date : 19-SEP-2020 12:43
End Cal Date : 19-SEP-2020 17:51
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Last Edit : 22-Sep-2020 15:00 nt10.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

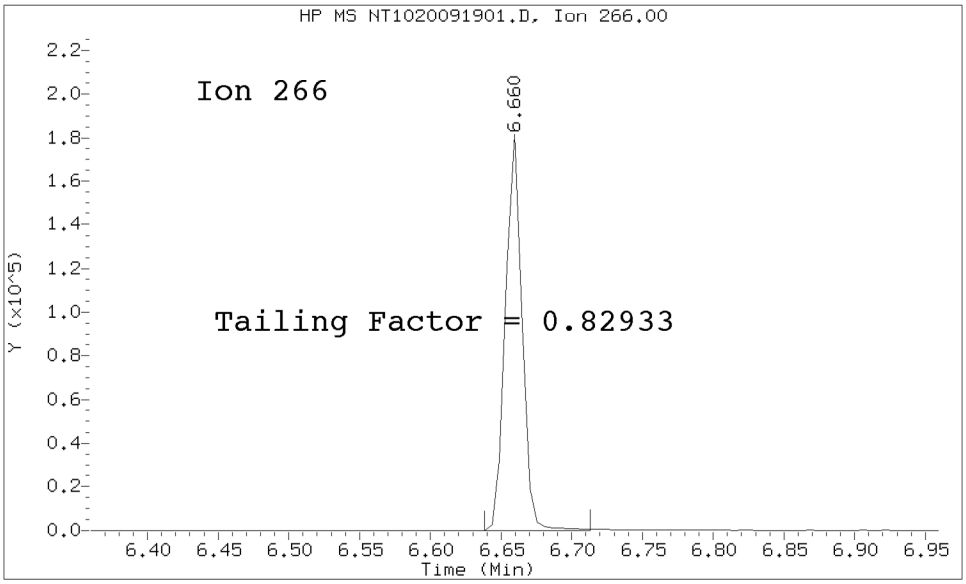
DFTPP TAILING FACTOR AND BREAKDOWN GRAPHIC REPORT

Datafile Analyzed: /20200919.b/NT1020091901.D/NT1020091901.D
Method Used: \20200919.b\DFTPP8270E.m Inst: nt10
Injection Date: 19-SEP-2020 12:20 Operator: VTS
Sample Info: SII0276-TUN1 SII0276-TUN1
Report Date: 09/22/2020 07:53



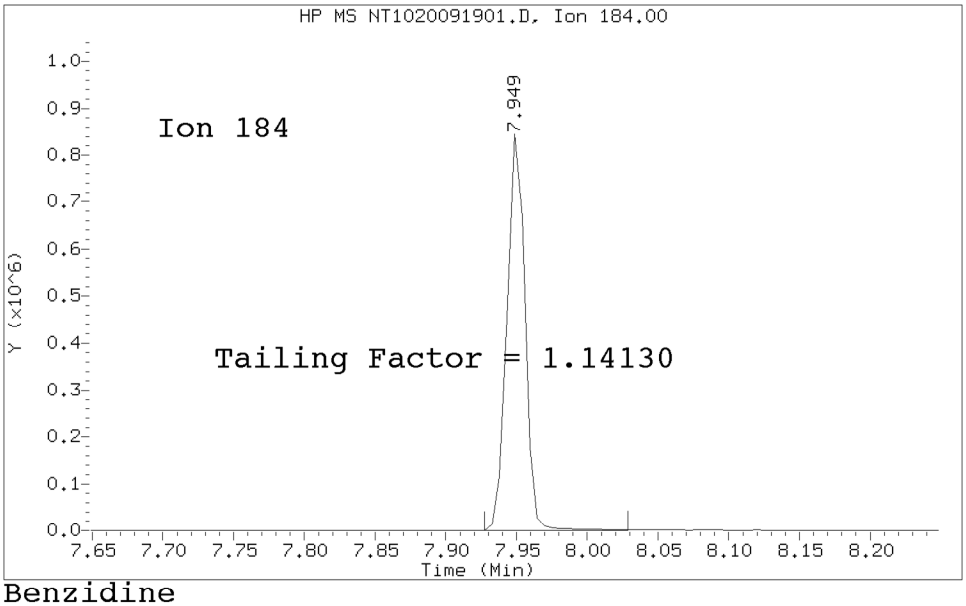


Datafile Analyzed: /20200919.b/NT1020091901.D/NT1020091901.D
Method Used: \20200919.b\DFTPP8270E.m\sw846ddt.m Inst: nt10
Injection Date: 19-SEP-2020 12:20 Operator: JZ
Sample Info: SII0276-TUN1
Report Date: 09/22/2020 07:53



Pentachlorophenol
==========
Exp. RT = 6.660
Found RT = 6.660

Tail Factor = 0.829 Maximum Allowed = 2.0



Benzidine
==========
Exp. RT = 7.949
Found RT = 7.949

Tail Factor = 1.141 Maximum Allowed = 2.0

8270 TAILING FACTOR/BREAKDOWN SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.8293300	2.000	PASS
Benzidine	1.1413043	2.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDT	241628			N/A
4,4-DDE	0	0.0	20.0	PASS
4,4-DDD	171	0.1	20.0	PASS
4,4-DDD + DDE	171	0.1	20.0	PASS

Tuning Sample, nt10.i/20200919.b/NT1020091901.D, *** PASSED ***

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
68	Less than 2.00% of mass 69	0.57 (1.61)
69	Mass 69 relative abundance	35.71
70	Less than 2.00% of mass 69	0.09 (0.27)
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.66
365	1.00 - 100.00% of mass 198	2.98
441	Less than 150.00% of mass 443	8.18 (87.56)
442	Less than 200.00% of mass 198	47.21
443	15.00 - 24.00% of mass 442	9.34 (19.79)

Data File: NT1020091901.D
Spectrum: Avg. Scans 545-547 (7.01), Background Scan 540
Location of Maximum: 198.00
Number of points: 295

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	148	121.00	52	199.00	8022	282.00	53
38.00	333	122.00	822	200.00	599	283.00	471
39.00	2524	123.00	1231	201.00	677	284.00	274
40.00	17	124.00	570	202.00	190	285.00	325
41.00	375	125.00	518	203.00	836	289.00	57
42.00	208	127.00	55920	204.00	4057	292.00	61
46.00	1	128.00	4004	205.00	6542	293.00	527
47.00	61	129.00	20280	206.00	27464	294.00	65
49.00	147	130.00	1593	207.00	3711	295.00	79
50.00	8261	131.00	240	208.00	721	296.00	8213
51.00	32808	132.00	189	209.00	428	297.00	1138
52.00	1832	133.00	101	210.00	226	298.00	73
53.00	120	134.00	541	211.00	1042	299.00	44
54.00	37	135.00	1560	213.00	82	300.00	55
56.00	1084	136.00	657	215.00	339	301.00	173
57.00	2138	137.00	715	216.00	837	302.00	153
58.00	70	138.00	310	217.00	7285	303.00	1010
61.00	399	139.00	129	218.00	832	304.00	258
62.00	564	140.00	270	219.00	231	308.00	72
63.00	1534	141.00	2342	221.00	7595	311.00	146
64.00	169	142.00	810	223.00	1670	312.00	7
65.00	789	143.00	624	224.00	15767	313.00	281
66.00	46	144.00	202	225.00	3964	314.00	464
68.00	692	145.00	164	226.00	434	315.00	212
69.00	43008	146.00	487	227.00	6262	316.00	331
70.00	114	147.00	1148	228.00	885	317.00	71
71.00	118	148.00	2779	229.00	1404	321.00	267
72.00	36	149.00	612	230.00	204	322.00	61
73.00	361	151.00	312	231.00	597	323.00	2708
74.00	3859	152.00	529	232.00	114	324.00	477
75.00	6624	153.00	818	233.00	115	327.00	524
76.00	2550	154.00	583	234.00	441	328.00	357
77.00	49104	155.00	1454	235.00	398	329.00	103
78.00	3358	156.00	2038	236.00	782	330.00	50
79.00	2431	157.00	359	237.00	523	331.00	59
80.00	2173	158.00	387	238.00	260	332.00	253
81.00	2978	159.00	277	239.00	268	333.00	336
82.00	620	160.00	802	240.00	173	334.00	1519
83.00	742	161.00	1088	241.00	335	335.00	390
85.00	700	162.00	475	242.00	753	341.00	410
86.00	744	164.00	154	243.00	1062	346.00	590
87.00	381	165.00	803	244.00	13365	352.00	758
88.00	156	166.00	730	245.00	1789	353.00	541
89.00	211	167.00	4768	246.00	2331	354.00	738
91.00	716	168.00	2052	247.00	510	355.00	216
92.00	819	169.00	305	248.00	116	359.00	69
93.00	4552	170.00	241	249.00	552	365.00	3592
94.00	308	171.00	277	250.00	86	366.00	473
95.00	30	172.00	560	251.00	129	371.00	232

96.00	353	173.00	754	252.00	232	372.00	1233
97.00	304	174.00	1078	253.00	307	373.00	288
98.00	3763	175.00	2004	255.00	63560	375.00	201
99.00	2798	176.00	766	256.00	9276	376.00	178
100.00	304	177.00	869	257.00	604	377.00	110
101.00	1808	178.00	168	258.00	3522	383.00	299
102.00	90	179.00	3749	259.00	416	384.00	61
103.00	508	180.00	2385	260.00	198	389.00	26
104.00	1135	181.00	1189	261.00	193	390.00	353
105.00	1006	182.00	418	264.00	186	391.00	89
106.00	420	183.00	232	265.00	1401	402.00	409
107.00	13936	184.00	415	266.00	319	403.00	597
108.00	2042	185.00	1694	267.00	84	404.00	222
109.00	362	186.00	14385	269.00	23	421.00	462
110.00	28336	187.00	3910	270.00	150	422.00	455
111.00	3930	188.00	458	271.00	221	423.00	3416
112.00	550	189.00	877	272.00	222	424.00	647
113.00	34	190.00	239	273.00	2181	425.00	51
114.00	157	191.00	369	274.00	5049	437.00	63
115.00	65	192.00	1347	275.00	29464	441.00	9853
116.00	670	193.00	1599	276.00	3924	442.00	56856
117.00	9558	194.00	442	277.00	2231	443.00	11253
118.00	684	195.00	33	278.00	411	444.00	1053
119.00	1	196.00	3751	279.00	51	451.00	58
120.00	122	198.00	120424	281.00	53		

Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091902.D

Page 1

Date : 19-SEP-2020 12:43

Client ID:

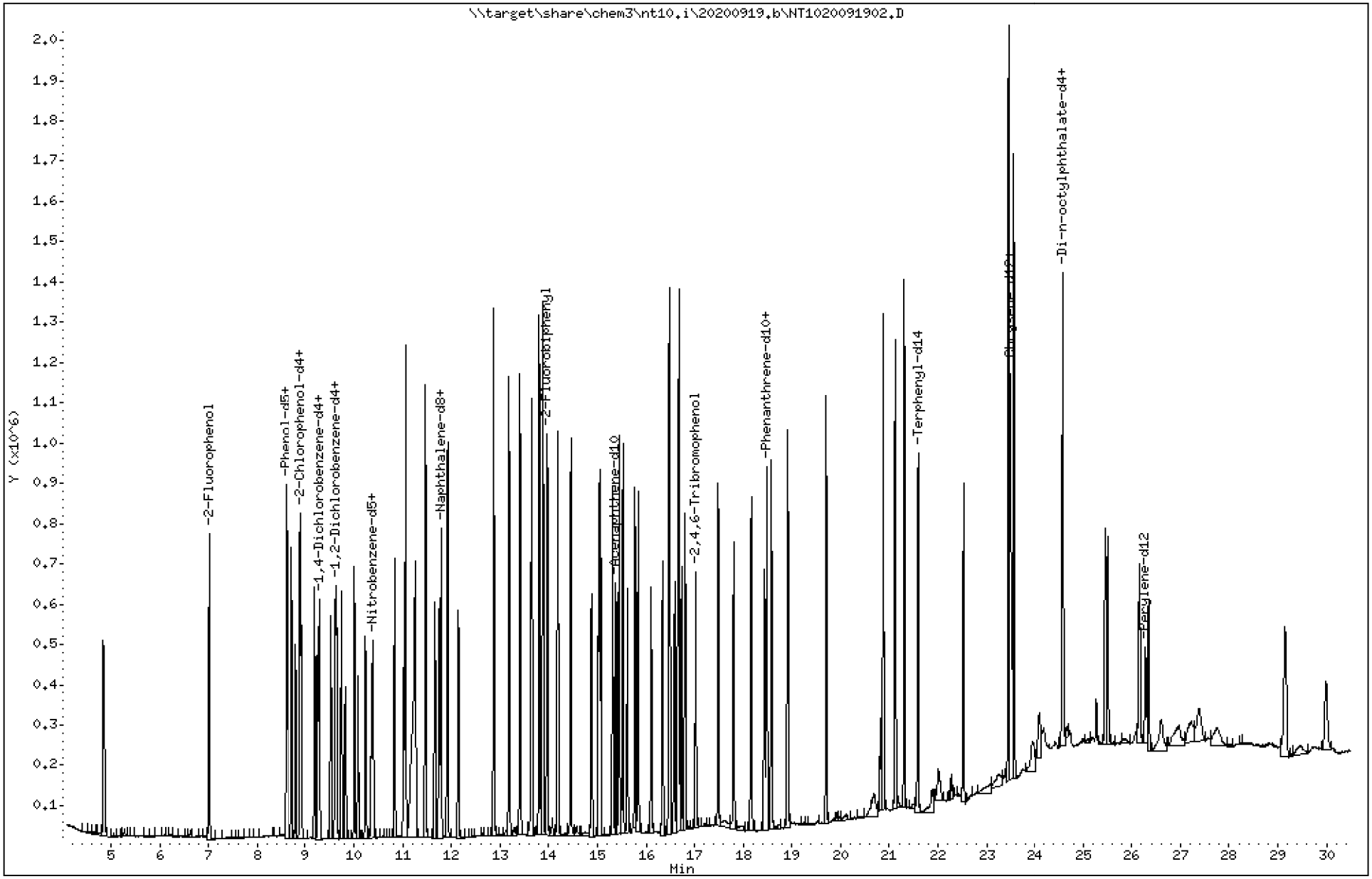
Instrument: nt10.i

Sample Info: SII0276-CAL5

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20200919.b\NT1020091902.D
Lab Smp Id: SII0276-CAL5
Inj Date : 19-SEP-2020 12:43
Operator : VTS Inst ID: nt10.i
Smp Info : SII0276-CAL5
Misc Info : 20-
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Meth Date : 22-Sep-2020 14:55 nt10.i Quant Type: ISTD
Cal Date : 19-SEP-2020 15:21 Cal File: NT1020091906.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	7.007	7.007	(0.757)	355379	7.50000	7.369
$ 2 Phenol-d5	99	8.598	8.598	(0.929)	530369	7.50000	7.831
3 Phenol	94	8.621	8.621	(0.931)	330023	5.00000	4.967
$ 5 2-Chlorophenol-d4	132	8.892	8.892	(0.961)	376782	7.50000	7.574
4 Bis(2-Chloroethyl)ether	93	8.799	8.799	(0.951)	255650	5.00000	4.938
6 2-Chlorophenol	128	8.915	8.915	(0.963)	267903	5.00000	4.918
7 1,3-Dichlorobenzene	146	9.186	9.186	(0.992)	276353	5.00000	4.942
* 8 1,4-Dichlorobenzene-d4	152	9.256	9.256	(1.000)	131496	4.00000	
9 1,4-Dichlorobenzene	146	9.287	9.287	(1.003)	242368	5.00000	5.055
$ 10 1,2-Dichlorobenzene-d4	152	9.621	9.621	(1.039)	161369	5.00000	5.003
12 1,2-Dichlorobenzene	146	9.644	9.644	(1.042)	254857	5.00000	5.027
11 Benzyl alcohol	108	9.520	9.520	(1.029)	158125	5.00000	5.478
14 2,2'-oxybis(1-Chloropropane)	121	9.822	9.822	(1.061)	86013	5.00000	5.047
13 2-Methylphenol	108	9.745	9.745	(1.053)	213208	5.00000	5.064
17 Hexachloroethane	117	10.234	10.234	(1.106)	108960	5.00000	5.215
16 N-Nitroso-di-n-propylamine	70	10.086	10.086	(1.090)	160504	5.00000	5.144
15 4-Methylphenol	108	10.009	10.009	(1.081)	231240	5.00000	5.133
$ 18 Nitrobenzene-d5	82	10.358	10.358	(0.882)	241723	5.00000	4.952
19 Nitrobenzene	77	10.397	10.397	(0.885)	256970	5.00000	5.017
20 Isophorone	82	10.839	10.839	(0.923)	526471	5.00000	5.219
21 2-Nitrophenol	139	11.019	11.019	(0.938)	164020	5.00000	5.395
22 2,4-Dimethylphenol	107	11.062	11.062	(0.942)	412085	10.0000	9.519
23 Bis(2-Chloroethoxy)methane	93	11.265	11.265	(0.959)	239418	5.00000	4.531
24 Benzoic acid	105	11.248	11.248	(0.958)	597918	20.0000	20.26
25 2,4-Dichlorophenol	162	11.469	11.469	(0.976)	395227	10.0000	10.19
26 1,2,4-Trichlorobenzene	180	11.663	11.663	(0.993)	201096	5.00000	4.818
* 27 Naphthalene-d8	136	11.748	11.748	(1.000)	469048	4.00000	
28 Naphthalene	128	11.794	11.794	(1.004)	619627	5.00000	5.095
29 4-Chloroaniline	127	11.925	11.925	(1.015)	531011	10.0000	10.54
30 Hexachlorobutadiene	225	12.142	12.142	(1.034)	117653	5.00000	5.038
31 4-Chloro-3-methylphenol	107	12.869	12.869	(1.095)	443764	10.0000	10.71
32 2-Methylnaphthalene	142	13.186	13.186	(1.122)	549488	5.00000	5.425
33 Hexachlorocyclopentadiene	237	13.651	13.651	(0.888)	332933	10.0000	10.73

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
34	2,4,6-Trichlorophenol	196	13.806	13.806	(0.898)	328309	10.0000	10.60
35	2,4,5-Trichlorophenol	196	13.875	13.875	(0.902)	363095	10.0000	10.76
$ 36	2-Fluorobiphenyl	172	13.968	13.968	(0.908)	541681	5.00000	5.040
37	2-Chloronaphthalene	162	14.185	14.185	(0.922)	514730	5.00000	5.306
38	2-Nitroaniline	65	14.456	14.456	(0.940)	272063	10.0000	10.75
39	Dimethylphthalate	163	14.881	14.881	(0.968)	463527	5.00000	4.910
40	Acenaphthylene	152	15.067	15.067	(0.980)	707598	5.00000	5.001
41	2,6-Dinitrotoluene	165	15.028	15.028	(0.977)	228181	10.0000	10.58
* 42	Acenaphthene-d10	164	15.377	15.377	(1.000)	240338	4.00000	
43	3-Nitroaniline	138	15.315	15.315	(0.996)	274849	10.0000	11.06
44	Acenaphthene	153	15.446	15.446	(1.005)	426130	5.00000	5.278
45	2,4-Dinitrophenol	184	15.523	15.523	(1.010)	282219	20.0000	19.84
46	Dibenzofuran	168	15.771	15.771	(1.026)	632159	5.00000	5.359
47	4-Nitrophenol	109	15.616	15.616	(1.016)	95650	10.0000	11.55
48	2,4-Dinitrotoluene	165	15.840	15.840	(1.030)	316875	10.0000	11.10
50	Diethylphthalate	149	16.343	16.343	(1.063)	442579	5.00000	5.127
49	Fluorene	166	16.490	16.490	(1.072)	493576	5.00000	5.052
51	4-Chlorophenyl-phenylether	204	16.475	16.475	(1.071)	240702	5.00000	5.104
52	4-Nitroaniline	138	16.591	16.591	(1.079)	252349	10.0000	10.17
53	4,6-Dinitro-2-methylphenol	198	16.676	16.676	(0.904)	449411	20.0000	21.00
54	N-Nitrosodiphenylamine	169	16.730	16.730	(0.907)	289319	5.00000	4.938
$ 55	2,4,6-Tribromophenol	330	17.023	17.023	(1.107)	129676	7.50000	7.700
56	4-Bromophenyl-phenylether	248	17.485	17.485	(0.948)	204849	5.00000	5.151
57	Hexachlorobenzene	284	17.810	17.810	(0.966)	184565	5.00000	4.718
58	Pentachlorophenol	266	18.166	18.166	(0.985)	183455	10.0000	11.33
* 59	Phenanthrene-d10	188	18.437	18.437	(1.000)	451272	4.00000	
60	Phenanthrene	178	18.483	18.483	(1.003)	615714	5.00000	5.174
61	Anthracene	178	18.576	18.576	(1.008)	684690	5.00000	5.353
62	Carbazole	167	18.916	18.916	(1.026)	708522	5.00000	5.490
63	Di-n-butylphthalate	149	19.705	19.705	(1.069)	930257	5.00000	5.599
64	Fluoranthene	202	20.881	20.881	(0.888)	834819	5.00000	5.298
65	Pyrene	202	21.307	21.307	(0.906)	842298	5.00000	5.263
$ 66	Terphenyl-d14	244	21.593	21.593	(0.918)	503911	5.00000	4.716
67	Butylbenzylphthalate	149	22.522	22.522	(0.958)	295491	5.00000	5.142
68	Benzo(a)anthracene	228	23.490	23.490	(0.999)	576656	5.00000	5.121
* 69	Chrysene-d12	240	23.513	23.513	(1.000)	290698	4.00000	
70	3,3'-Dichlorobenzidine	252	23.452	23.452	(0.997)	654273	15.0000	15.94
71	Chrysene	228	23.560	23.560	(1.002)	469505	5.00000	5.193
72	bis(2-Ethylhexyl)phthalate	149	23.552	23.552	(0.958)	371357	5.00000	5.157
* 134	Di-n-octylphthalate-d4	153	24.574	24.574	(1.000)	509417	4.00000	
73	Di-n-octylphthalate	149	24.590	24.590	(1.001)	664578	5.00000	5.016
74	Benzo(b)fluoranthene	252	25.457	25.457	(0.968)	421145	5.00000	5.086
75	Benzo(k)fluoranthene	252	25.503	25.503	(0.970)	439186	5.00000	5.271
76	Benzo(a)pyrene	252	26.161	26.161	(0.995)	351414	5.00000	5.101
* 77	Perylene-d12	264	26.285	26.285	(1.000)	218282	4.00000	
78	Indeno(1,2,3-cd)pyrene	276	29.145	29.145	(1.109)	280220	5.00000	4.913
79	Dibenzo(a,h)anthracene	278	29.168	29.168	(1.110)	224410	5.00000	4.835
80	Benzo(g,h,i)perylene	276	29.992	29.992	(1.141)	227732	5.00000	4.869
90	N-Nitrosodimethylamine	74	4.836	4.836	(0.523)	357377	10.0000	10.27
91	Aniline	93	8.714	8.714	(0.941)	463682	10.0000	9.877
93	Benzidine	184	21.121	21.121	(0.898)	749225	10.0000	11.74
103	Pyridine	79	4.859	4.859	(0.525)	252922	5.00000	4.918
105	1-methylnaphthalene	142	13.411	13.411	(1.142)	524405	5.00000	5.364
111	Azobenzene (1,2-DP-Hydrazine)	77	16.807	16.807	(1.093)	556529	5.00000	5.088

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.457	25.457	(0.968)	823732	10.0000	10.23
99 Perylene	252	26.347	26.347	(1.002)	312367	5.00000	5.144
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	16.111	16.111	(1.048)	149755	5.00000	5.616

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020091902.D
Lab Smp Id: SII0276-CAL5
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Misc Info: 20-

Calibration Date: 19-SEP-2020
Calibration Time: 12:43
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	131496	65748	262992	131496	0.00
27 Naphthalene-d8	469048	234524	938096	469048	0.00
42 Acenaphthene-d10	240338	120169	480676	240338	0.00
59 Phenanthrene-d10	451272	225636	902544	451272	0.00
69 Chrysene-d12	290698	145349	581396	290698	0.00
134 Di-n-octylphthala	509417	254709	1018834	509417	0.00
77 Perylene-d12	218282	109141	436564	218282	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.26	8.76	9.76	9.26	0.00
27 Naphthalene-d8	11.75	11.25	12.25	11.75	0.00
42 Acenaphthene-d10	15.38	14.88	15.88	15.38	0.00
59 Phenanthrene-d10	18.44	17.94	18.94	18.44	0.00
69 Chrysene-d12	23.51	23.01	24.01	23.51	0.00
134 Di-n-octylphthala	24.57	24.07	25.07	24.57	0.00
77 Perylene-d12	26.29	25.79	26.79	26.29	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020091902.D

Lab ID: SII0276-CAL5
nt10.i, ABN.m, 19-SEP-2020 12:43

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.958	0.950	0.0080	Benzoic acid

RRT check based on Ccal File: NT1020091906.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091903.D

Page 1

Date : 19-SEP-2020 13:21

Client ID:

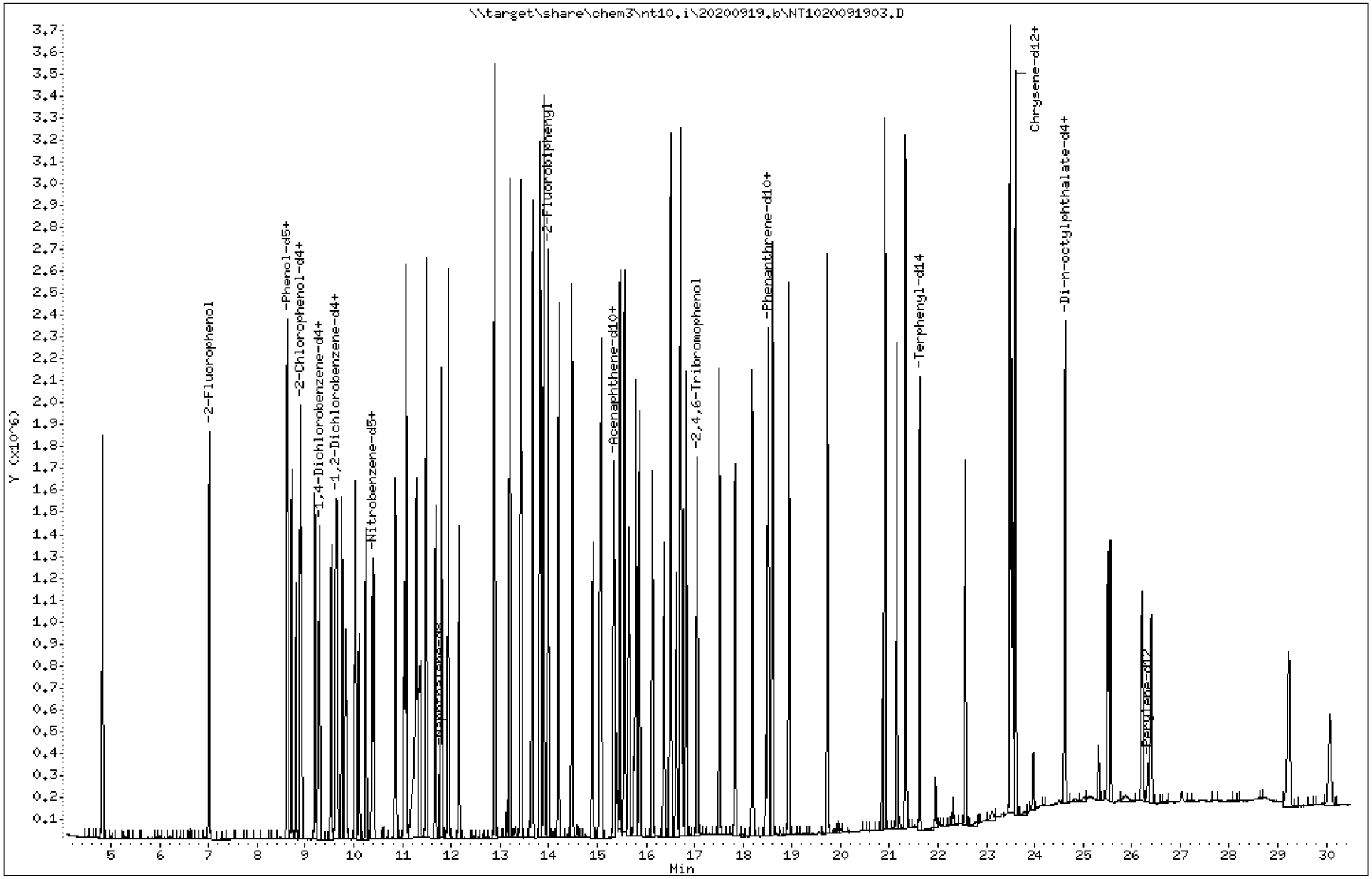
Instrument: nt10.i

Sample Info: SII0276-CAL7

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20200919.b\NT1020091903.D
Lab Smp Id: SII0276-CAL7
Inj Date : 19-SEP-2020 13:21
Operator : VTS Inst ID: nt10.i
Smp Info : SII0276-CAL7
Misc Info : 20-
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Meth Date : 22-Sep-2020 14:55 nt10.i Quant Type: ISTD
Cal Date : 19-SEP-2020 12:43 Cal File: NT1020091902.D
Als bottle: 3 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	7.007	7.007	(0.756)	868380	30.0000	25.81
$ 2 Phenol-d5	99	8.614	8.614	(0.930)	1459120	30.0000	30.88
3 Phenol	94	8.637	8.637	(0.932)	800423	20.0000	17.27
$ 5 2-Chlorophenol-d4	132	8.899	8.899	(0.961)	971244	30.0000	27.98
4 Bis(2-Chloroethyl)ether	93	8.807	8.807	(0.951)	643334	20.0000	17.81
6 2-Chlorophenol	128	8.923	8.923	(0.963)	666928	20.0000	17.55
7 1,3-Dichlorobenzene	146	9.194	9.194	(0.992)	680170	20.0000	17.43
* 8 1,4-Dichlorobenzene-d4	152	9.264	9.264	(1.000)	91751	4.00000	
9 1,4-Dichlorobenzene	146	9.295	9.295	(1.003)	614278	20.0000	18.36
$ 10 1,2-Dichlorobenzene-d4	152	9.621	9.621	(1.039)	427731	20.0000	19.01
12 1,2-Dichlorobenzene	146	9.652	9.652	(1.042)	630930	20.0000	17.84
11 Benzyl alcohol	108	9.535	9.535	(1.029)	398874	20.0000	19.81
14 2,2'-oxybis(1-Chloropropane)	121	9.830	9.830	(1.061)	221011	20.0000	18.58
13 2-Methylphenol	108	9.753	9.753	(1.053)	535423	20.0000	18.23
17 Hexachloroethane	117	10.242	10.242	(1.106)	291424	20.0000	19.99
16 N-Nitroso-di-n-propylamine	70	10.102	10.102	(1.090)	402575	20.0000	18.49
15 4-Methylphenol	108	10.024	10.024	(1.082)	576355	20.0000	18.34
$ 18 Nitrobenzene-d5	82	10.373	10.373	(0.882)	667728	20.0000	18.92
19 Nitrobenzene	77	10.404	10.404	(0.885)	687449	20.0000	18.56
20 Isophorone	82	10.855	10.855	(0.923)	1678009	20.0000	23.01
21 2-Nitrophenol	139	11.036	11.036	(0.938)	443692	20.0000	20.19
22 2,4-Dimethylphenol	107	11.079	11.079	(0.942)	991954	40.0000	31.69
23 Bis(2-Chloroethoxy)methane	93	11.282	11.282	(0.959)	651742	20.0000	17.06
24 Benzoic acid	105	11.367	11.367	(0.966)	1655584	80.0000	79.91
25 2,4-Dichlorophenol	162	11.486	11.486	(0.976)	987268	40.0000	35.19
26 1,2,4-Trichlorobenzene	180	11.670	11.670	(0.992)	496018	20.0000	16.44
* 27 Naphthalene-d8	136	11.763	11.763	(1.000)	339100	4.00000	
28 Naphthalene	128	11.802	11.802	(1.003)	1682544	20.0000	19.14
29 4-Chloroaniline	127	11.941	11.941	(1.015)	1394570	40.0000	38.28
30 Hexachlorobutadiene	225	12.157	12.157	(1.033)	299368	20.0000	17.73
31 4-Chloro-3-methylphenol	107	12.892	12.892	(1.096)	1219487	40.0000	40.71
32 2-Methylnaphthalene	142	13.202	13.202	(1.122)	1491503	20.0000	20.37
33 Hexachlorocyclopentadiene	237	13.666	13.666	(0.887)	876939	40.0000	38.13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
34	2,4,6-Trichlorophenol	196	13.829	13.829	(0.898)	855736	40.0000	37.26
35	2,4,5-Trichlorophenol	196	13.898	13.898	(0.903)	946398	40.0000	37.82
$ 36	2-Fluorobiphenyl	172	13.991	13.991	(0.909)	1459970	20.0000	18.32
37	2-Chloronaphthalene	162	14.208	14.208	(0.923)	1335857	20.0000	18.57
38	2-Nitroaniline	65	14.479	14.479	(0.940)	744801	40.0000	39.69
39	Dimethylphthalate	163	14.905	14.905	(0.968)	1088237	20.0000	15.55
40	Acenaphthylene	152	15.083	15.083	(0.979)	1717944	20.0000	16.37
41	2,6-Dinitrotoluene	165	15.052	15.052	(0.977)	559793	40.0000	35.01
* 42	Acenaphthene-d10	164	15.400	15.400	(1.000)	178210	4.00000	
43	3-Nitroaniline	138	15.346	15.346	(0.996)	637484	40.0000	34.60
44	Acenaphthene	153	15.469	15.469	(1.005)	1142870	20.0000	19.09
45	2,4-Dinitrophenol	184	15.554	15.554	(1.010)	890627	80.0000	79.76
46	Dibenzofuran	168	15.794	15.794	(1.026)	1610972	20.0000	18.42
47	4-Nitrophenol	109	15.647	15.647	(1.016)	259299	40.0000	42.24
48	2,4-Dinitrotoluene	165	15.871	15.871	(1.031)	805219	40.0000	38.05
50	Diethylphthalate	149	16.374	16.374	(1.063)	1042327	20.0000	16.28
49	Fluorene	166	16.513	16.513	(1.072)	1226132	20.0000	16.93
51	4-Chlorophenyl-phenylether	204	16.498	16.498	(1.071)	603975	20.0000	17.27
52	4-Nitroaniline	138	16.629	16.629	(1.080)	681791	40.0000	37.05
53	4,6-Dinitro-2-methylphenol	198	16.714	16.714	(0.905)	1283059	80.0000	83.28
54	N-Nitrosodiphenylamine	169	16.760	16.760	(0.908)	670820	20.0000	15.90
$ 55	2,4,6-Tribromophenol	330	17.053	17.053	(1.107)	359389	30.0000	28.78
56	4-Bromophenyl-phenylether	248	17.516	17.516	(0.949)	530175	20.0000	18.52
57	Hexachlorobenzene	284	17.833	17.833	(0.966)	440671	20.0000	15.64
58	Pentachlorophenol	266	18.189	18.189	(0.985)	472312	40.0000	40.53
* 59	Phenanthrene-d10	188	18.460	18.460	(1.000)	324922	4.00000	
60	Phenanthrene	178	18.514	18.514	(1.003)	1633324	20.0000	19.06
61	Anthracene	178	18.607	18.607	(1.008)	1813509	20.0000	19.69
62	Carbazole	167	18.939	18.939	(1.026)	1833254	20.0000	19.73
63	Di-n-butylphthalate	149	19.729	19.729	(1.069)	2461380	20.0000	20.58
64	Fluoranthene	202	20.912	20.912	(0.888)	2171898	20.0000	21.68
65	Pyrene	202	21.338	21.338	(0.906)	2148729	20.0000	21.12
$ 66	Terphenyl-d14	244	21.624	21.624	(0.918)	1175724	20.0000	17.31
67	Butylbenzylphthalate	149	22.561	22.561	(0.958)	640192	20.0000	17.52
68	Benzo(a)anthracene	228	23.521	23.521	(0.999)	1284809	20.0000	17.94
* 69	Chrysene-d12	240	23.552	23.552	(1.000)	184822	4.00000	
70	3,3'-Dichlorobenzidine	252	23.490	23.490	(0.997)	1402089	60.0000	53.74
71	Chrysene	228	23.599	23.599	(1.002)	1098963	20.0000	19.12
72	bis(2-Ethylhexyl)phthalate	149	23.591	23.591	(0.958)	902319	20.0000	18.99
* 134	Di-n-octylphthalate-d4	153	24.620	24.620	(1.000)	336178	4.00000	
73	Di-n-octylphthalate	149	24.628	24.628	(1.000)	1599012	20.0000	18.29
74	Benzo(b)fluoranthene	252	25.503	25.503	(0.968)	1010450	20.0000	18.60
75	Benzo(k)fluoranthene	252	25.557	25.557	(0.970)	930807	20.0000	17.03
76	Benzo(a)pyrene	252	26.208	26.208	(0.995)	817796	20.0000	18.10
* 77	Perylene-d12	264	26.339	26.339	(1.000)	143199	4.00000	
78	Indeno(1,2,3-cd)pyrene	276	29.215	29.215	(1.109)	662460	20.0000	17.70
79	Dibenzo(a,h)anthracene	278	29.238	29.238	(1.110)	521286	20.0000	17.12
80	Benzo(g,h,i)perylene	276	30.077	30.077	(1.142)	571972	20.0000	18.64
90	N-Nitrosodimethylamine	74	4.821	4.821	(0.520)	855887	40.0000	35.26
91	Aniline	93	8.722	8.722	(0.942)	1118343	40.0000	34.14
93	Benzidine	184	21.152	21.152	(0.898)	1353778	40.0000	33.36
103	Pyridine	79	4.828	4.828	(0.521)	607968	20.0000	16.94
105	1-methylnaphthalene	142	13.426	13.426	(1.141)	1428211	20.0000	20.21
111	Azobenzene (1,2-DP-Hydrazine)	77	16.830	16.830	(1.093)	1393086	20.0000	17.18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.557	25.557	(0.970)	1860721	40.0000	35.24
99 Perylene	252	26.401	26.401	(1.002)	731431	20.0000	18.36
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	16.134	16.134	(1.048)	444107	20.0000	22.46

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020091903.D
Lab Smp Id: SII0276-CAL7
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Misc Info: 20-

Calibration Date: 19-SEP-2020
Calibration Time: 12:43
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	131496	65748	262992	91751	-30.23
27 Naphthalene-d8	469048	234524	938096	339100	-27.70
42 Acenaphthene-d10	240338	120169	480676	178210	-25.85
59 Phenanthrene-d10	451272	225636	902544	324922	-28.00
69 Chrysene-d12	290698	145349	581396	184822	-36.42
134 Di-n-octylphthala	509417	254709	1018834	336178	-34.01
77 Perylene-d12	218282	109141	436564	143199	-34.40

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.26	8.76	9.76	9.26	0.08
27 Naphthalene-d8	11.75	11.25	12.25	11.76	0.13
42 Acenaphthene-d10	15.38	14.88	15.88	15.40	0.15
59 Phenanthrene-d10	18.44	17.94	18.94	18.46	0.13
69 Chrysene-d12	23.51	23.01	24.01	23.55	0.16
134 Di-n-octylphthala	24.57	24.07	25.07	24.62	0.19
77 Perylene-d12	26.29	25.79	26.79	26.34	0.21

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020091903.D

Lab ID: SII0276-CAL7
nt10.i, ABN.m, 19-SEP-2020 13:21

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.966	0.950	0.0168	Benzoic acid

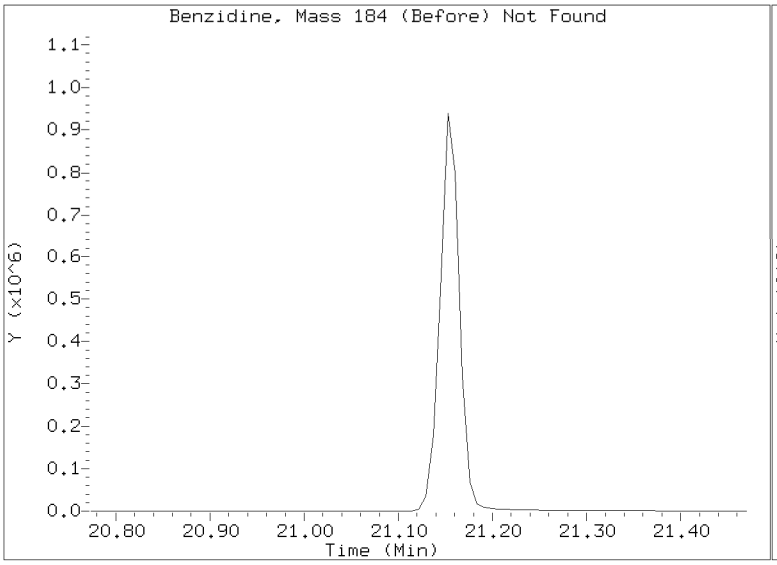
RRT check based on Ccal File: NT1020091906.D

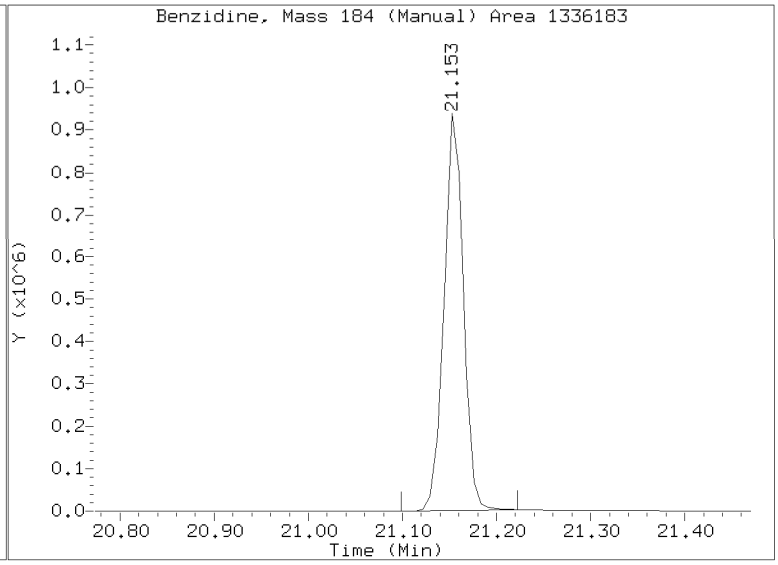
On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20200919.b/NT1020091903.D
Injection Date: 19-SEP-2020 13:21
Lab ID:SII0276-CAL7 Client ID:
Report Date: 09/22/2020 14:18



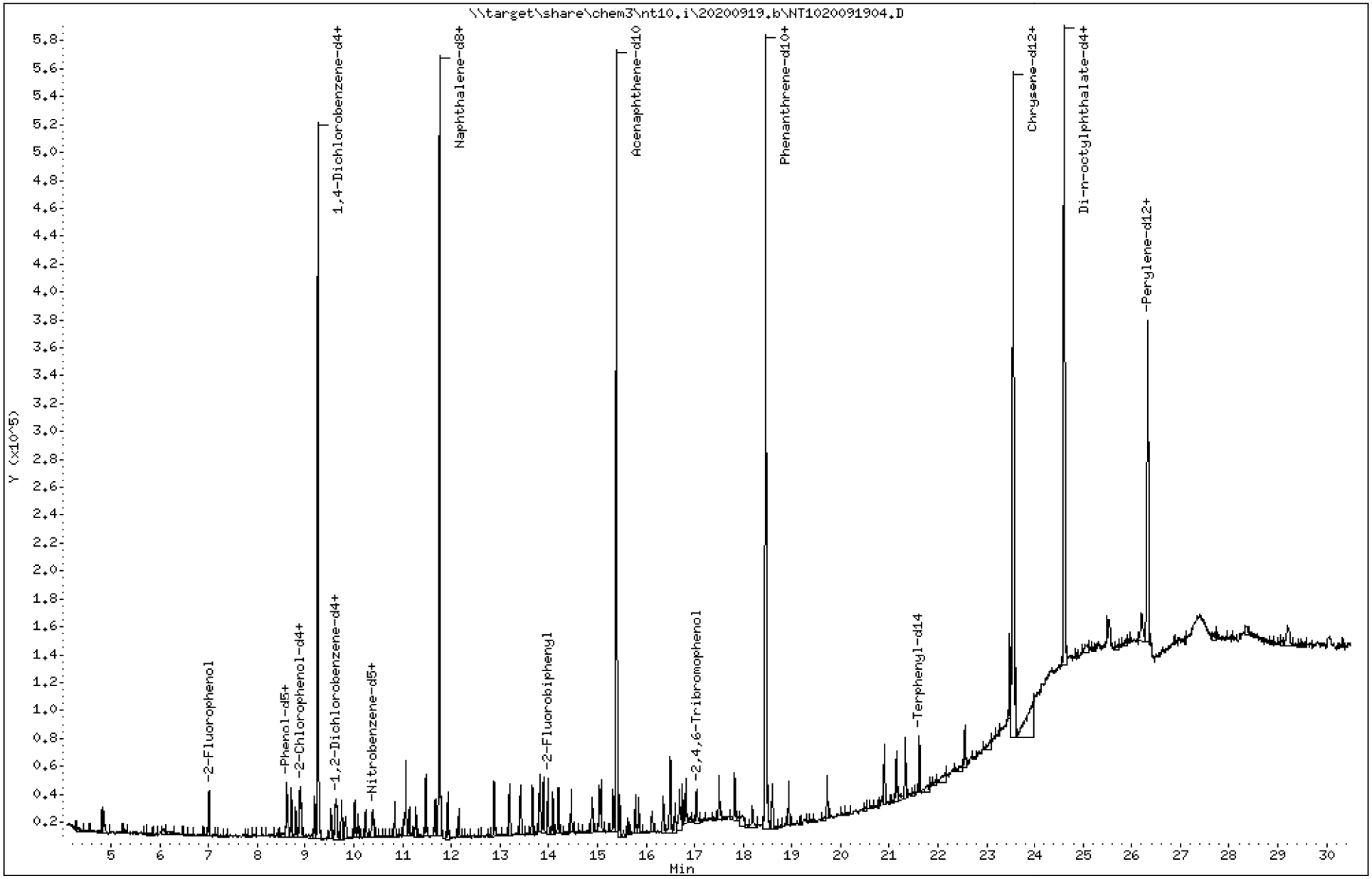


Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091904.D
Date : 19-SEP-2020 13:58
Client ID:
Sample Info: SII0276-CAL1

Instrument: nt10.i

Operator: VTS

Column phase: ZB-5msi
Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20200919.b\NT1020091904.D
Lab Smp Id: SII0276-CAL1
Inj Date : 19-SEP-2020 13:58
Operator : VTS Inst ID: nt10.i
Smp Info : SII0276-CAL1
Misc Info : 20-
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Meth Date : 22-Sep-2020 14:55 nt10.i Quant Type: ISTD
Cal Date : 19-SEP-2020 13:21 Cal File: NT1020091903.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	7.007	7.007	(0.757)	15356	0.30000	0.3176
$	2 Phenol-d5	99	8.598	8.598	(0.929)	20515	0.30000	0.3022
	3 Phenol	94	8.621	8.621	(0.931)	14136	0.20000	0.2122
$	5 2-Chlorophenol-d4	132	8.892	8.892	(0.961)	15823	0.30000	0.3173
	4 Bis(2-Chloroethyl)ether	93	8.799	8.799	(0.951)	11091	0.20000	0.2137
	6 2-Chlorophenol	128	8.915	8.915	(0.963)	12385	0.20000	0.2268
	7 1,3-Dichlorobenzene	146	9.194	9.194	(0.993)	11732	0.20000	0.2093
*	8 1,4-Dichlorobenzene-d4	152	9.256	9.256	(1.000)	131822	4.00000	
	9 1,4-Dichlorobenzene	146	9.287	9.287	(1.003)	9660	0.20000	0.2010
$	10 1,2-Dichlorobenzene-d4	152	9.621	9.621	(1.039)	6828	0.20000	0.2112
	12 1,2-Dichlorobenzene	146	9.652	9.652	(1.043)	10400	0.20000	0.2046
	11 Benzyl alcohol	108	9.527	9.527	(1.029)	5411	0.20000	0.1870
	14 2,2'-oxybis(1-Chloropropane)	121	9.830	9.830	(1.062)	3627	0.20000	0.2123
	13 2-Methylphenol	108	9.745	9.745	(1.053)	9063	0.20000	0.2147
	17 Hexachloroethane	117	10.241	10.241	(1.106)	3973	0.20000	0.1897
	16 N-Nitroso-di-n-propylamine	70	10.086	10.086	(1.090)	6728	0.20000	0.2151
	15 4-Methylphenol	108	10.016	10.016	(1.082)	9531	0.20000	0.2111
$	18 Nitrobenzene-d5	82	10.366	10.366	(0.882)	9715	0.20000	0.2103
	19 Nitrobenzene	77	10.397	10.397	(0.884)	10370	0.20000	0.2139
	20 Isophorone	82	10.839	10.839	(0.922)	17407	0.20000	0.1823
	21 2-Nitrophenol	139	11.028	11.028	(0.938)	5438	0.20000	0.1889
	22 2,4-Dimethylphenol	107	11.062	11.062	(0.941)	18579	0.40000	0.4534
	23 Bis(2-Chloroethoxy)methane	93	11.274	11.274	(0.959)	11426	0.20000	0.2285
	24 Benzoic acid	105	11.138	11.138	(0.947)	10715	0.80000	0.3795
	25 2,4-Dichlorophenol	162	11.477	11.477	(0.976)	15274	0.40000	0.4159
	26 1,2,4-Trichlorobenzene	180	11.670	11.670	(0.993)	8536	0.20000	0.2161
*	27 Naphthalene-d8	136	11.755	11.755	(1.000)	443998	4.00000	
	28 Naphthalene	128	11.794	11.794	(1.003)	22158	0.20000	0.1925
	29 4-Chloroaniline	127	11.933	11.933	(1.015)	17738	0.40000	0.3718
	30 Hexachlorobutadiene	225	12.149	12.149	(1.034)	4268	0.20000	0.1931
	31 4-Chloro-3-methylphenol	107	12.885	12.885	(1.096)	14828	0.40000	0.3781
	32 2-Methylnaphthalene	142	13.194	13.194	(1.122)	17494	0.20000	0.1824
	33 Hexachlorocyclopentadiene	237	13.658	13.658	(0.887)	9629	0.40000	0.3556

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.821	13.821	(0.898)	10699	0.40000	0.3957
	35 2,4,5-Trichlorophenol	196	13.891	13.891	(0.902)	11265	0.40000	0.3824
$	36 2-Fluorobiphenyl	172	13.983	13.983	(0.908)	20508	0.20000	0.2186
	37 2-Chloronaphthalene	162	14.200	14.200	(0.923)	16465	0.20000	0.1944
	38 2-Nitroaniline	65	14.463	14.463	(0.940)	8381	0.40000	0.3793
	39 Dimethylphthalate	163	14.897	14.897	(0.968)	18577	0.20000	0.2254
	40 Acenaphthylene	152	15.075	15.075	(0.979)	27686	0.20000	0.2241
	41 2,6-Dinitrotoluene	165	15.036	15.036	(0.977)	7964	0.40000	0.4231
*	42 Acenaphthene-d10	164	15.392	15.392	(1.000)	209810	4.00000	
	43 3-Nitroaniline	138	15.322	15.322	(0.995)	8792	0.40000	0.4053
	44 Acenaphthene	153	15.454	15.454	(1.004)	13679	0.20000	0.1941
	45 2,4-Dinitrophenol	184	15.539	15.539	(1.010)	1180	0.80000	0.09665
	46 Dibenzofuran	168	15.786	15.786	(1.026)	20708	0.20000	0.2011
	47 4-Nitrophenol	109	15.632	15.632	(1.016)	1930	0.40000	0.2670
	48 2,4-Dinitrotoluene	165	15.848	15.848	(1.030)	8686	0.40000	0.3486
	50 Diethylphthalate	149	16.358	16.358	(1.063)	16542	0.20000	0.2195
	49 Fluorene	166	16.505	16.505	(1.072)	18711	0.20000	0.2194
	51 4-Chlorophenyl-phenylether	204	16.498	16.498	(1.072)	8833	0.20000	0.2145
	52 4-Nitroaniline	138	16.598	16.598	(1.078)	9102	0.40000	0.4201
	53 4,6-Dinitro-2-methylphenol	198	16.691	16.691	(0.904)	7838	0.80000	0.4196
	54 N-Nitrosodiphenylamine	169	16.745	16.745	(0.907)	11373	0.20000	0.2224
$	55 2,4,6-Tribromophenol	330	17.046	17.046	(1.107)	4377	0.30000	0.2977
	56 4-Bromophenyl-phenylether	248	17.508	17.508	(0.948)	7070	0.20000	0.2037
	57 Hexachlorobenzene	284	17.825	17.825	(0.966)	7735	0.20000	0.2265
	58 Pentachlorophenol	266	18.189	18.189	(0.985)	3412	0.40000	0.2415
*	59 Phenanthrene-d10	188	18.460	18.460	(1.000)	393953	4.00000	
	60 Phenanthrene	178	18.506	18.506	(1.002)	21116	0.20000	0.2033
	61 Anthracene	178	18.599	18.599	(1.008)	22006	0.20000	0.1971
	62 Carbazole	167	18.932	18.932	(1.026)	21427	0.20000	0.1902
	63 Di-n-butylphthalate	149	19.729	19.729	(1.069)	28433	0.20000	0.1960
	64 Fluoranthene	202	20.905	20.905	(0.888)	26393	0.20000	0.1914
	65 Pyrene	202	21.330	21.330	(0.906)	26584	0.20000	0.1898
$	66 Terphenyl-d14	244	21.616	21.616	(0.918)	21314	0.20000	0.2279
	67 Butylbenzylphthalate	149	22.553	22.553	(0.958)	11052	0.20000	0.2197
	68 Benzo(a)anthracene	228	23.513	23.513	(0.999)	21323	0.20000	0.2163
*	69 Chrysene-d12	240	23.544	23.544	(1.000)	254449	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.475	23.475	(0.997)	22538	0.60000	0.6275
	71 Chrysene	228	23.591	23.591	(1.002)	15963	0.20000	0.2017
	72 bis(2-Ethylhexyl)phthalate	149	23.583	23.583	(0.958)	11712	0.20000	0.2084
*	134 Di-n-octylphthalate-d4	153	24.613	24.613	(1.000)	397469	4.00000	
	73 Di-n-octylphthalate	149	24.620	24.620	(1.000)	21126	0.20000	0.2044
	74 Benzo(b)fluoranthene	252	25.495	25.495	(0.968)	15854	0.20000	0.2105
	75 Benzo(k)fluoranthene	252	25.542	25.542	(0.970)	16224	0.20000	0.2141
	76 Benzo(a)pyrene	252	26.200	26.200	(0.995)	14094	0.20000	0.2250
*	77 Perylene-d12	264	26.331	26.331	(1.000)	198507	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	29.199	29.199	(1.109)	10990	0.20000	0.2119
	79 Dibenzo(a,h)anthracene	278	29.230	29.230	(1.110)	8885	0.20000	0.2105
	80 Benzo(g,h,i)perylene	276	30.054	30.054	(1.141)	8829	0.20000	0.2076(M)
	90 N-Nitrosodimethylamine	74	4.813	4.813	(0.520)	13786	0.40000	0.3953
	91 Aniline	93	8.714	8.714	(0.941)	20335	0.40000	0.4321
	93 Benzidine	184	21.144	21.144	(0.898)	22926	0.40000	0.4104
	103 Pyridine	79	4.851	4.851	(0.524)	10387	0.20000	0.2015
	105 1-methylnaphthalene	142	13.419	13.419	(1.141)	17499	0.20000	0.1891
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.822	16.822	(1.093)	20615	0.20000	0.2159

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.495	25.495	(0.968)	31693	0.40000	0.4330
99 Perylene	252	26.386	26.386	(1.002)	12560	0.20000	0.2274
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	16.126	16.126	(1.048)	3937	0.20000	0.1691

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020091904.D
Lab Smp Id: SII0276-CAL1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Misc Info: 20-

Calibration Date: 19-SEP-2020
Calibration Time: 12:43
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	131496	65748	262992	131822	0.25
27 Naphthalene-d8	469048	234524	938096	443998	-5.34
42 Acenaphthene-d10	240338	120169	480676	209810	-12.70
59 Phenanthrene-d10	451272	225636	902544	393953	-12.70
69 Chrysene-d12	290698	145349	581396	254449	-12.47
134 Di-n-octylphthala	509417	254709	1018834	397469	-21.98
77 Perylene-d12	218282	109141	436564	198507	-9.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.26	8.76	9.76	9.26	-0.00
27 Naphthalene-d8	11.75	11.25	12.25	11.76	0.07
42 Acenaphthene-d10	15.38	14.88	15.88	15.39	0.10
59 Phenanthrene-d10	18.44	17.94	18.94	18.46	0.13
69 Chrysene-d12	23.51	23.01	24.01	23.54	0.13
134 Di-n-octylphthala	24.57	24.07	25.07	24.61	0.16
77 Perylene-d12	26.29	25.79	26.79	26.33	0.18

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020091904.D

Lab ID: SII0276-CAL1
nt10.i, ABN.m, 19-SEP-2020 13:58

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
NONE			

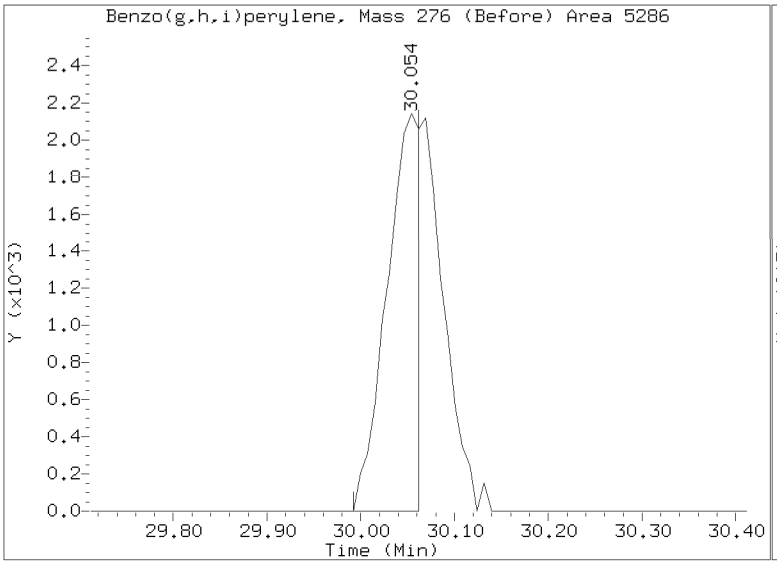
RRT check based on Ccal File: NT1020091906.D

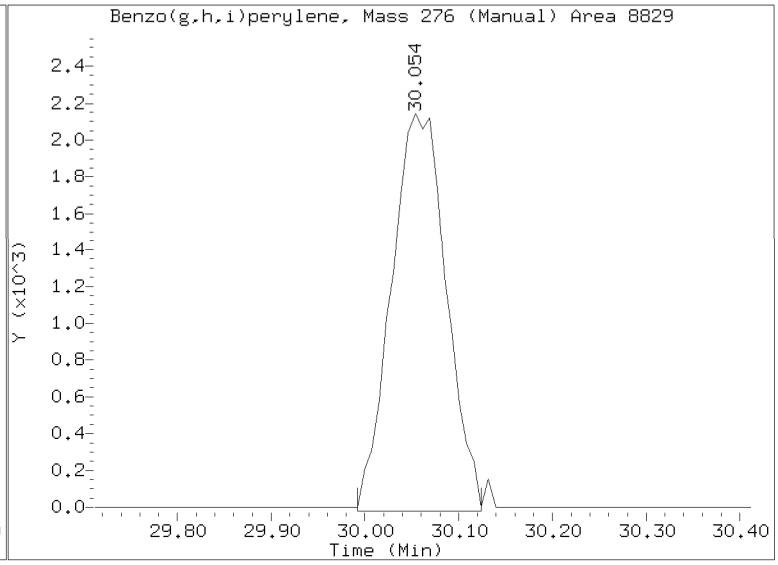
On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20200919.b/NT1020091904.D
Injection Date: 19-SEP-2020 13:58
Lab ID:SII0276-CAL1 Client ID:
Report Date: 09/22/2020 14:55





Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091905.D

Page 1

Date : 19-SEP-2020 14:43

Client ID:

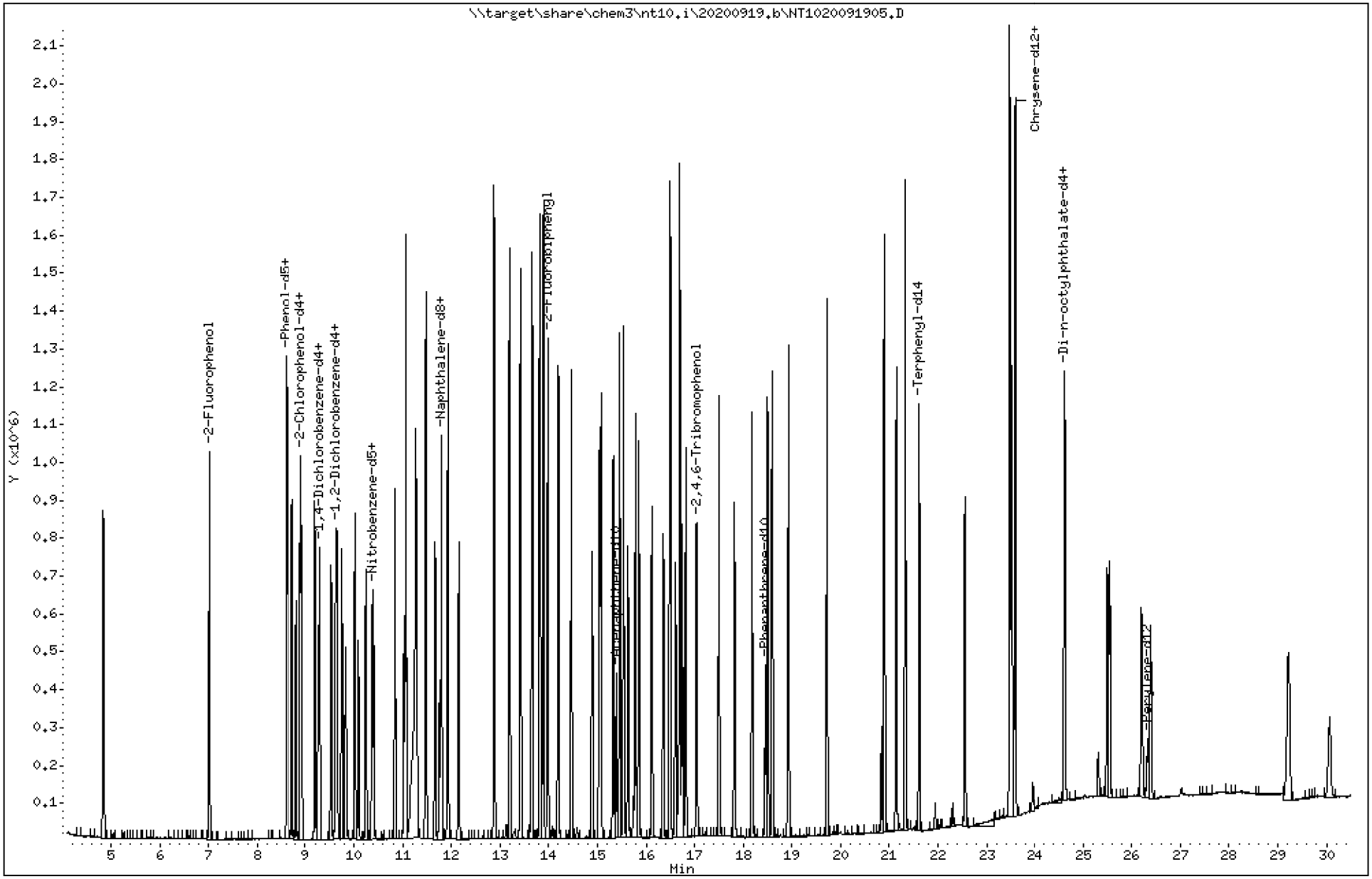
Instrument: nt10.i

Sample Info: SII0276-CAL6

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20200919.b\NT1020091905.D
Lab Smp Id: SII0276-CAL6
Inj Date : 19-SEP-2020 14:43
Operator : VTS Inst ID: nt10.i
Smp Info : SII0276-CAL6
Misc Info : 20-
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Meth Date : 22-Sep-2020 14:55 nt10.i Quant Type: ISTD
Cal Date : 19-SEP-2020 13:58 Cal File: NT1020091904.D
Als bottle: 5 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	7.014	7.014	(0.757)	477432	15.0000	14.29
$ 2 Phenol-d5	99	8.606	8.606	(0.929)	727665	15.0000	15.51
3 Phenol	94	8.629	8.629	(0.932)	436929	10.0000	9.492
$ 5 2-Chlorophenol-d4	132	8.892	8.892	(0.960)	499882	15.0000	14.50
4 Bis(2-Chloroethyl)ether	93	8.807	8.807	(0.951)	340981	10.0000	9.506
6 2-Chlorophenol	128	8.923	8.923	(0.963)	355298	10.0000	9.414
7 1,3-Dichlorobenzene	146	9.194	9.194	(0.992)	371315	10.0000	9.584
* 8 1,4-Dichlorobenzene-d4	152	9.264	9.264	(1.000)	91102	4.00000	
9 1,4-Dichlorobenzene	146	9.295	9.295	(1.003)	329552	10.0000	9.921
$ 10 1,2-Dichlorobenzene-d4	152	9.621	9.621	(1.039)	217711	10.0000	9.743
12 1,2-Dichlorobenzene	146	9.652	9.652	(1.042)	338838	10.0000	9.647
11 Benzyl alcohol	108	9.527	9.527	(1.028)	201908	10.0000	10.10
14 2,2'-oxybis(1-Chloropropane)	121	9.830	9.830	(1.061)	116304	10.0000	9.850
13 2-Methylphenol	108	9.753	9.753	(1.053)	279983	10.0000	9.598
17 Hexachloroethane	117	10.242	10.242	(1.106)	148865	10.0000	10.28
16 N-Nitroso-di-n-propylamine	70	10.094	10.094	(1.090)	211082	10.0000	9.764
15 4-Methylphenol	108	10.017	10.017	(1.081)	298723	10.0000	9.572
$ 18 Nitrobenzene-d5	82	10.366	10.366	(0.882)	333136	10.0000	9.920
19 Nitrobenzene	77	10.405	10.405	(0.885)	349776	10.0000	9.926
20 Isophorone	82	10.847	10.847	(0.923)	717156	10.0000	10.33
21 2-Nitrophenol	139	11.028	11.028	(0.938)	219603	10.0000	10.50
22 2,4-Dimethylphenol	107	11.070	11.070	(0.942)	531103	20.0000	17.83
23 Bis(2-Chloroethoxy)methane	93	11.274	11.274	(0.959)	328018	10.0000	9.024
24 Benzoic acid	105	11.291	11.291	(0.960)	810720	40.0000	40.34
25 2,4-Dichlorophenol	162	11.478	11.478	(0.976)	522010	20.0000	19.56
26 1,2,4-Trichlorobenzene	180	11.663	11.663	(0.992)	269032	10.0000	9.370
* 27 Naphthalene-d8	136	11.755	11.755	(1.000)	322693	4.00000	
28 Naphthalene	128	11.794	11.794	(1.003)	849090	10.0000	10.15
29 4-Chloroaniline	127	11.933	11.933	(1.015)	696805	20.0000	20.10
30 Hexachlorobutadiene	225	12.149	12.149	(1.034)	159483	10.0000	9.927
31 4-Chloro-3-methylphenol	107	12.877	12.877	(1.095)	591085	20.0000	20.74
32 2-Methylnaphthalene	142	13.194	13.194	(1.122)	740438	10.0000	10.62
33 Hexachlorocyclopentadiene	237	13.659	13.659	(0.887)	451244	20.0000	20.97

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
34	2,4,6-Trichlorophenol	196	13.821	13.821	(0.898)	435832	20.0000	20.28
35	2,4,5-Trichlorophenol	196	13.891	13.891	(0.902)	477440	20.0000	20.39
$ 36	2-Fluorobiphenyl	172	13.984	13.984	(0.908)	737862	10.0000	9.894
37	2-Chloronaphthalene	162	14.192	14.192	(0.922)	683068	10.0000	10.15
38	2-Nitroaniline	65	14.463	14.463	(0.940)	366486	20.0000	20.87
39	Dimethylphthalate	163	14.889	14.889	(0.967)	596666	10.0000	9.109
40	Acenaphthylene	152	15.075	15.075	(0.979)	910700	10.0000	9.276
41	2,6-Dinitrotoluene	165	15.044	15.044	(0.977)	291099	20.0000	19.46
* 42	Acenaphthene-d10	164	15.392	15.392	(1.000)	166762	4.00000	
43	3-Nitroaniline	138	15.330	15.330	(0.996)	337437	20.0000	19.57
44	Acenaphthene	153	15.454	15.454	(1.004)	570184	10.0000	10.18
45	2,4-Dinitrophenol	184	15.539	15.539	(1.010)	413322	40.0000	41.09
46	Dibenzofuran	168	15.786	15.786	(1.026)	838781	10.0000	10.25
47	4-Nitrophenol	109	15.632	15.632	(1.016)	126279	20.0000	21.98
48	2,4-Dinitrotoluene	165	15.856	15.856	(1.030)	413918	20.0000	20.90
50	Diethylphthalate	149	16.358	16.358	(1.063)	566022	10.0000	9.449
49	Fluorene	166	16.505	16.505	(1.072)	640760	10.0000	9.452
51	4-Chlorophenyl-phenylether	204	16.490	16.490	(1.071)	316059	10.0000	9.658
52	4-Nitroaniline	138	16.614	16.614	(1.079)	343714	20.0000	19.96
53	4,6-Dinitro-2-methylphenol	198	16.699	16.699	(0.905)	668302	40.0000	45.66
54	N-Nitrosodiphenylamine	169	16.745	16.745	(0.907)	358007	10.0000	8.934
$ 55	2,4,6-Tribromophenol	330	17.046	17.046	(1.107)	176709	15.0000	15.12
56	4-Bromophenyl-phenylether	248	17.501	17.501	(0.948)	273439	10.0000	10.05
57	Hexachlorobenzene	284	17.825	17.825	(0.966)	243366	10.0000	9.095
58	Pentachlorophenol	266	18.181	18.181	(0.985)	244196	20.0000	22.06
* 59	Phenanthrene-d10	188	18.452	18.452	(1.000)	308652	4.00000	
60	Phenanthrene	178	18.498	18.498	(1.002)	821520	10.0000	10.09
61	Anthracene	178	18.599	18.599	(1.008)	903034	10.0000	10.32
62	Carbazole	167	18.932	18.932	(1.026)	923009	10.0000	10.46
63	Di-n-butylphthalate	149	19.721	19.721	(1.069)	1224547	10.0000	10.78
64	Fluoranthene	202	20.897	20.897	(0.888)	1085914	10.0000	10.99
65	Pyrene	202	21.330	21.330	(0.906)	1096547	10.0000	10.92
$ 66	Terphenyl-d14	244	21.617	21.617	(0.918)	649586	10.0000	9.692
67	Butylbenzylphthalate	149	22.553	22.553	(0.958)	348531	10.0000	9.668
68	Benzo(a)anthracene	228	23.513	23.513	(0.999)	688039	10.0000	9.740
* 69	Chrysene-d12	240	23.544	23.544	(1.000)	182341	4.00000	
70	3,3'-Dichlorobenzidine	252	23.475	23.475	(0.997)	760754	30.0000	29.56
71	Chrysene	228	23.591	23.591	(1.002)	579630	10.0000	10.22
72	bis(2-Ethylhexyl)phthalate	149	23.583	23.583	(0.958)	468937	10.0000	10.65
* 134	Di-n-octylphthalate-d4	153	24.613	24.613	(1.000)	311320	4.00000	
73	Di-n-octylphthalate	149	24.620	24.620	(1.000)	809416	10.0000	9.996
74	Benzo(b)fluoranthene	252	25.495	25.495	(0.969)	497375	10.0000	9.592
75	Benzo(k)fluoranthene	252	25.549	25.549	(0.971)	535951	10.0000	10.27
76	Benzo(a)pyrene	252	26.200	26.200	(0.995)	429994	10.0000	9.968
* 77	Perylene-d12	264	26.324	26.324	(1.000)	136693	4.00000	
78	Indeno(1,2,3-cd)pyrene	276	29.215	29.215	(1.110)	360539	10.0000	10.09
79	Dibenzo(a,h)anthracene	278	29.230	29.230	(1.110)	290128	10.0000	9.982
80	Benzo(g,h,i)perylene	276	30.061	30.061	(1.142)	298978	10.0000	10.21
90	N-Nitrosodimethylamine	74	4.836	4.836	(0.522)	491422	20.0000	20.39
91	Aniline	93	8.722	8.722	(0.942)	603851	20.0000	18.57
93	Benzidine	184	21.145	21.145	(0.898)	771574	20.0000	19.27
103	Pyridine	79	4.844	4.844	(0.523)	333043	10.0000	9.347
105	1-methylnaphthalene	142	13.419	13.419	(1.141)	706025	10.0000	10.50
111	Azobenzene (1,2-DP-Hydrazine)	77	16.822	16.822	(1.093)	723692	10.0000	9.536

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.549	25.549	(0.971)	991057	20.0000	19.66
99 Perylene	252	26.386	26.386	(1.002)	380489	10.0000	10.01
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	16.119	16.119	(1.047)	220981	10.0000	11.94

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020091905.D
Lab Smp Id: SII0276-CAL6
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Misc Info: 20-

Calibration Date: 19-SEP-2020
Calibration Time: 12:43
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	131496	65748	262992	91102	-30.72
27 Naphthalene-d8	469048	234524	938096	322693	-31.20
42 Acenaphthene-d10	240338	120169	480676	166762	-30.61
59 Phenanthrene-d10	451272	225636	902544	308652	-31.60
69 Chrysene-d12	290698	145349	581396	182341	-37.27
134 Di-n-octylphthala	509417	254709	1018834	311320	-38.89
77 Perylene-d12	218282	109141	436564	136693	-37.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.26	8.76	9.76	9.26	0.08
27 Naphthalene-d8	11.75	11.25	12.25	11.76	0.07
42 Acenaphthene-d10	15.38	14.88	15.88	15.39	0.10
59 Phenanthrene-d10	18.44	17.94	18.94	18.45	0.08
69 Chrysene-d12	23.51	23.01	24.01	23.54	0.13
134 Di-n-octylphthala	24.57	24.07	25.07	24.61	0.16
77 Perylene-d12	26.29	25.79	26.79	26.32	0.15

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020091905.D

Lab ID: SII0276-CAL6
nt10.i, ABN.m, 19-SEP-2020 14:43

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.960	0.950	0.0109	Benzoic acid

RRT check based on Ccal File: NT1020091906.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

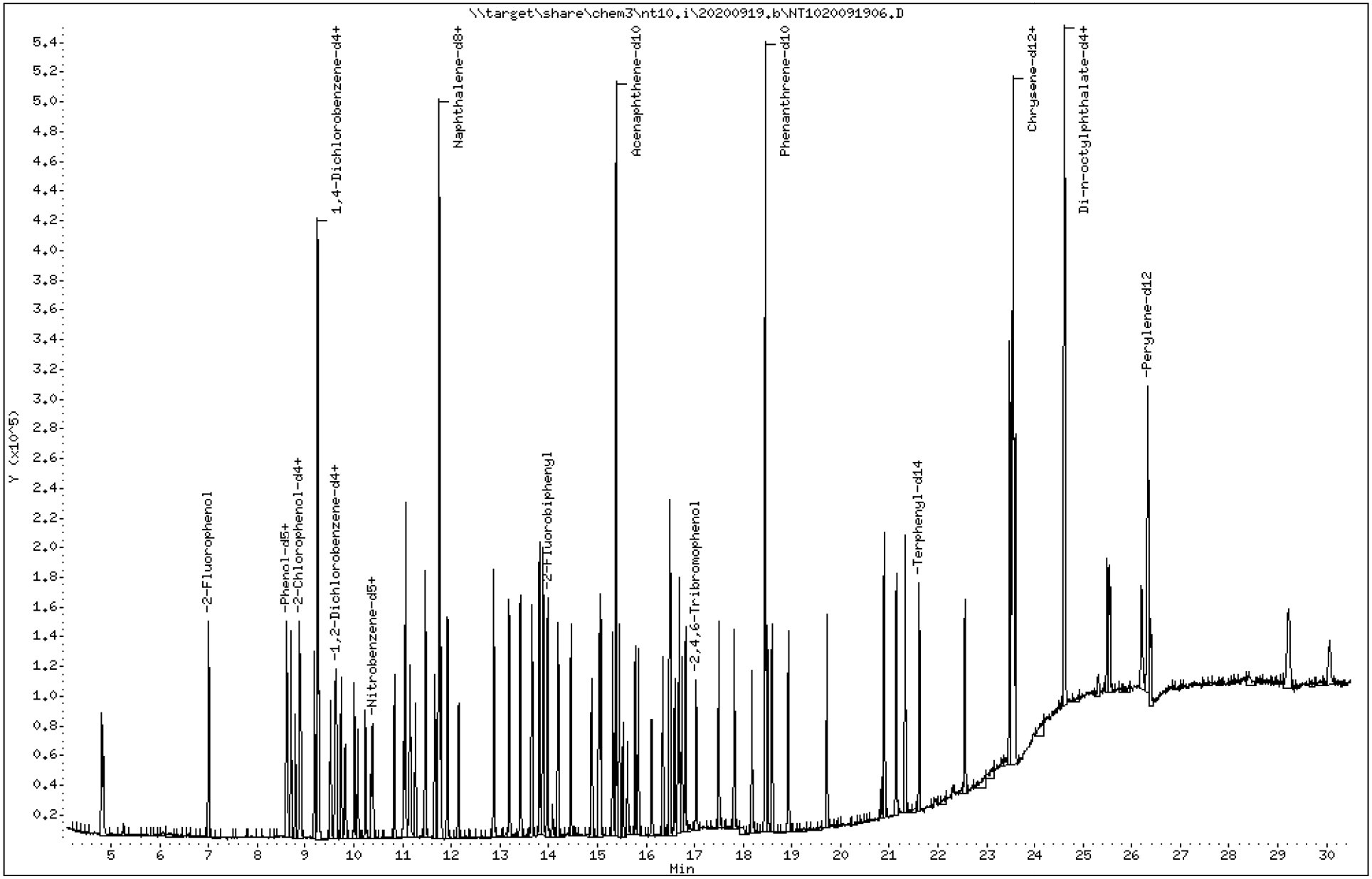
* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091906.D
Date : 19-SEP-2020 15:21
Client ID:
Sample Info: SII0276-CAL3

Instrument: nt10.i

Operator: VTS

Column phase: ZB-5msi
Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20200919.b\NT1020091906.D
Lab Smp Id: SII0276-CAL3
Inj Date : 19-SEP-2020 15:21
Operator : VTS Inst ID: nt10.i
Smp Info : SII0276-CAL3
Misc Info : 20-
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Meth Date : 22-Sep-2020 14:55 nt10.i Quant Type: ISTD
Cal Date : 19-SEP-2020 14:43 Cal File: NT1020091905.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	6.999	6.999	(0.757)	64967	1.50000	1.552
$ 2 Phenol-d5	99	8.590	8.590	(0.929)	81556	1.50000	1.387
3 Phenol	94	8.614	8.614	(0.931)	58498	1.00000	1.014
$ 5 2-Chlorophenol-d4	132	8.884	8.884	(0.961)	64053	1.50000	1.483
4 Bis(2-Chloroethyl)ether	93	8.791	8.791	(0.951)	46083	1.00000	1.025
6 2-Chlorophenol	128	8.915	8.915	(0.964)	46921	1.00000	0.9923
7 1,3-Dichlorobenzene	146	9.186	9.186	(0.993)	50658	1.00000	1.044
* 8 1,4-Dichlorobenzene-d4	152	9.248	9.248	(1.000)	114135	4.00000	
9 1,4-Dichlorobenzene	146	9.279	9.279	(1.003)	42437	1.00000	1.020
$ 10 1,2-Dichlorobenzene-d4	152	9.613	9.613	(1.039)	27258	1.00000	0.9737
12 1,2-Dichlorobenzene	146	9.644	9.644	(1.043)	45441	1.00000	1.033
11 Benzyl alcohol	108	9.520	9.520	(1.029)	24429	1.00000	0.9751
14 2,2'-oxybis(1-Chloropropane)	121	9.822	9.822	(1.062)	15078	1.00000	1.019
13 2-Methylphenol	108	9.737	9.737	(1.053)	36531	1.00000	0.9996
17 Hexachloroethane	117	10.234	10.234	(1.107)	17631	1.00000	0.9722
16 N-Nitroso-di-n-propylamine	70	10.079	10.079	(1.090)	27358	1.00000	1.010
15 4-Methylphenol	108	10.009	10.009	(1.082)	37799	1.00000	0.9668
$ 18 Nitrobenzene-d5	82	10.358	10.358	(0.882)	38829	1.00000	0.9717
19 Nitrobenzene	77	10.389	10.389	(0.884)	42053	1.00000	1.003
20 Isophorone	82	10.831	10.831	(0.922)	78885	1.00000	0.9552
21 2-Nitrophenol	139	11.019	11.019	(0.938)	23833	1.00000	0.9575
22 2,4-Dimethylphenol	107	11.062	11.062	(0.942)	74532	2.00000	2.103
23 Bis(2-Chloroethoxy)methane	93	11.265	11.265	(0.959)	46032	1.00000	1.064
24 Benzoic acid	105	11.155	11.155	(0.950)	74568	4.00000	3.058
25 2,4-Dichlorophenol	162	11.469	11.469	(0.976)	63765	2.00000	2.007
26 1,2,4-Trichlorobenzene	180	11.655	11.655	(0.992)	35948	1.00000	1.052
* 27 Naphthalene-d8	136	11.748	11.748	(1.000)	384001	4.00000	
28 Naphthalene	128	11.786	11.786	(1.003)	100005	1.00000	1.005
29 4-Chloroaniline	127	11.925	11.925	(1.015)	76829	2.00000	1.862
30 Hexachlorobutadiene	225	12.149	12.149	(1.034)	19594	1.00000	1.025
31 4-Chloro-3-methylphenol	107	12.869	12.869	(1.095)	63127	2.00000	1.861
32 2-Methylnaphthalene	142	13.186	13.186	(1.122)	79121	1.00000	0.9541
33 Hexachlorocyclopentadiene	237	13.658	13.658	(0.888)	48629	2.00000	1.945

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
34	2,4,6-Trichlorophenol	196	13.813	13.813	(0.898)	47986	2.00000	1.921
35	2,4,5-Trichlorophenol	196	13.883	13.883	(0.902)	51486	2.00000	1.892
$ 36	2-Fluorobiphenyl	172	13.976	13.976	(0.908)	84697	1.00000	0.9774
37	2-Chloronaphthalene	162	14.192	14.192	(0.923)	78458	1.00000	1.003
38	2-Nitroaniline	65	14.456	14.456	(0.940)	39294	2.00000	1.926
39	Dimethylphthalate	163	14.889	14.889	(0.968)	81466	1.00000	1.070
40	Acenaphthylene	152	15.067	15.067	(0.979)	119325	1.00000	1.046
41	2,6-Dinitrotoluene	165	15.028	15.028	(0.977)	35157	2.00000	2.022
* 42	Acenaphthene-d10	164	15.384	15.384	(1.000)	193779	4.00000	
43	3-Nitroaniline	138	15.315	15.315	(0.995)	41014	2.00000	2.047
44	Acenaphthene	153	15.454	15.454	(1.005)	64170	1.00000	0.9858
45	2,4-Dinitrophenol	184	15.523	15.523	(1.009)	22759	4.00000	2.015
46	Dibenzofuran	168	15.778	15.778	(1.026)	91686	1.00000	0.9641
47	4-Nitrophenol	109	15.624	15.624	(1.016)	11348	2.00000	1.700
48	2,4-Dinitrotoluene	165	15.840	15.840	(1.030)	44822	2.00000	1.948
50	Diethylphthalate	149	16.351	16.351	(1.063)	72246	1.00000	1.038
49	Fluorene	166	16.498	16.498	(1.072)	81891	1.00000	1.040
51	4-Chlorophenyl-phenylether	204	16.490	16.490	(1.072)	38514	1.00000	1.013
52	4-Nitroaniline	138	16.591	16.591	(1.078)	42087	2.00000	2.103
53	4,6-Dinitro-2-methylphenol	198	16.683	16.683	(0.904)	62299	4.00000	3.583
54	N-Nitrosodiphenylamine	169	16.737	16.737	(0.907)	51414	1.00000	1.080
$ 55	2,4,6-Tribromophenol	330	17.038	17.038	(1.107)	19454	1.50000	1.433
56	4-Bromophenyl-phenylether	248	17.501	17.501	(0.948)	32409	1.00000	1.003
57	Hexachlorobenzene	284	17.817	17.817	(0.966)	33026	1.00000	1.039
58	Pentachlorophenol	266	18.181	18.181	(0.985)	23713	2.00000	1.803
* 59	Phenanthrene-d10	188	18.452	18.452	(1.000)	366648	4.00000	
60	Phenanthrene	178	18.498	18.498	(1.002)	95868	1.00000	0.9915
61	Anthracene	178	18.591	18.591	(1.008)	100092	1.00000	0.9631
62	Carbazole	167	18.924	18.924	(1.026)	102835	1.00000	0.9807
63	Di-n-butylphthalate	149	19.721	19.721	(1.069)	125588	1.00000	0.9304
64	Fluoranthene	202	20.897	20.897	(0.888)	121531	1.00000	0.9401
65	Pyrene	202	21.330	21.330	(0.906)	125976	1.00000	0.9593
$ 66	Terphenyl-d14	244	21.616	21.616	(0.918)	87807	1.00000	1.002
67	Butylbenzylphthalate	149	22.553	22.553	(0.958)	48475	1.00000	1.028
68	Benzo(a)anthracene	228	23.513	23.513	(0.999)	93935	1.00000	1.017
* 69	Chrysene-d12	240	23.544	23.544	(1.000)	238507	4.00000	
70	3,3'-Dichlorobenzidine	252	23.475	23.475	(0.997)	102304	3.00000	3.039
71	Chrysene	228	23.591	23.591	(1.002)	73004	1.00000	0.9842
72	bis(2-Ethylhexyl)phthalate	149	23.583	23.583	(0.958)	50452	1.00000	0.9684
* 134	Di-n-octylphthalate-d4	153	24.613	24.613	(1.000)	368530	4.00000	
73	Di-n-octylphthalate	149	24.628	24.628	(1.001)	96327	1.00000	1.005
74	Benzo(b)fluoranthene	252	25.495	25.495	(0.968)	66912	1.00000	0.9502
75	Benzo(k)fluoranthene	252	25.549	25.549	(0.970)	72040	1.00000	1.017
76	Benzo(a)pyrene	252	26.200	26.200	(0.995)	56367	1.00000	0.9621
* 77	Perylene-d12	264	26.331	26.331	(1.000)	185645	4.00000	
78	Indeno(1,2,3-cd)pyrene	276	29.215	29.215	(1.109)	48575	1.00000	1.001
79	Dibenzo(a,h)anthracene	278	29.238	29.238	(1.110)	40035	1.00000	1.014
80	Benzo(g,h,i)perylene	276	30.061	30.061	(1.142)	38905	1.00000	0.9780(M)
90	N-Nitrosodimethylamine	74	4.805	4.805	(0.520)	62598	2.00000	2.073
91	Aniline	93	8.706	8.706	(0.941)	84619	2.00000	2.077
93	Benzidine	184	21.144	21.144	(0.898)	104310	2.00000	1.992
103	Pyridine	79	4.828	4.828	(0.522)	48228	1.00000	1.080
105	1-methylnaphthalene	142	13.419	13.419	(1.142)	76816	1.00000	0.9597
111	Azobenzene (1,2-DP-Hydrazine)	77	16.814	16.814	(1.093)	90955	1.00000	1.031

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.495	25.495	(0.968)	135442	2.00000	1.978
99 Perylene	252	26.386	26.386	(1.002)	49738	1.00000	0.9630
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	16.119	16.119	(1.048)	18974	1.00000	0.8825

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020091906.D
Lab Smp Id: SII0276-CAL3
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Misc Info: 20-

Calibration Date: 19-SEP-2020
Calibration Time: 12:43
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	131496	65748	262992	114135	-13.20
27 Naphthalene-d8	469048	234524	938096	384001	-18.13
42 Acenaphthene-d10	240338	120169	480676	193779	-19.37
59 Phenanthrene-d10	451272	225636	902544	366648	-18.75
69 Chrysene-d12	290698	145349	581396	238507	-17.95
134 Di-n-octylphthala	509417	254709	1018834	368530	-27.66
77 Perylene-d12	218282	109141	436564	185645	-14.95

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.26	8.76	9.76	9.25	-0.08
27 Naphthalene-d8	11.75	11.25	12.25	11.75	-0.00
42 Acenaphthene-d10	15.38	14.88	15.88	15.38	0.05
59 Phenanthrene-d10	18.44	17.94	18.94	18.45	0.08
69 Chrysene-d12	23.51	23.01	24.01	23.54	0.13
134 Di-n-octylphthala	24.57	24.07	25.07	24.61	0.16
77 Perylene-d12	26.29	25.79	26.79	26.33	0.18

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020091906.D

Lab ID: SII0276-CAL3
nt10.i, ABN.m, 19-SEP-2020 15:21

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
NONE			

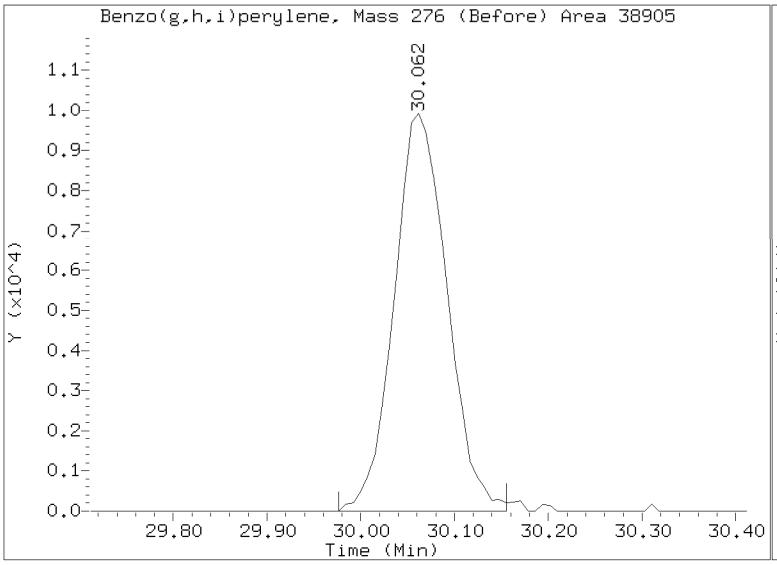
RRT check based on Ccal File: NT1020091906.D

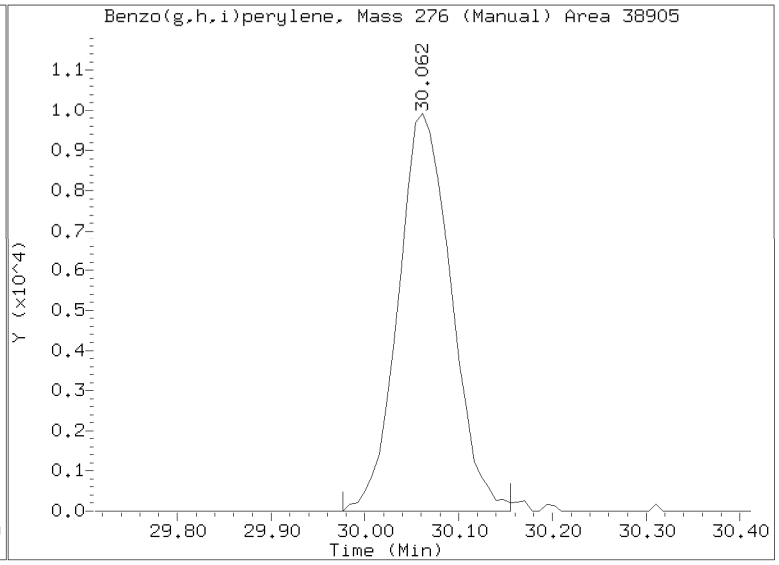
On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20200919.b/NT1020091906.D
Injection Date: 19-SEP-2020 15:21
Lab ID:SII0276-CAL3 Client ID:
Report Date: 09/22/2020 14:55



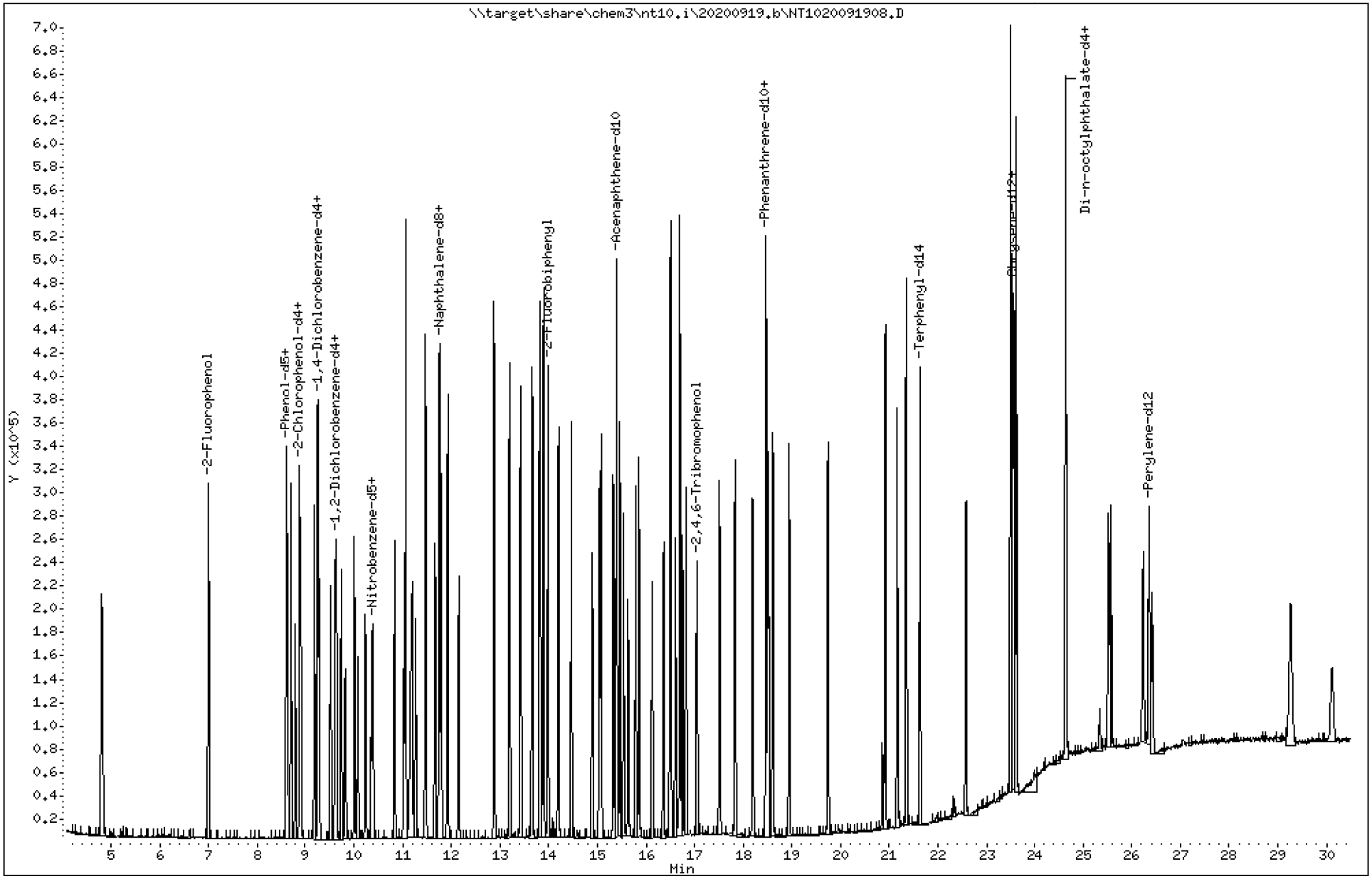


Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091908.D
Date : 19-SEP-2020 16:36
Client ID:
Sample Info: SII0276-CAL4

Column phase: ZB-5msi

Instrument: nt10.i

Operator: VTS
Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20200919.b\NT1020091908.D
Lab Smp Id: SII0276-CAL4
Inj Date : 19-SEP-2020 16:36
Operator : VTS Inst ID: nt10.i
Smp Info : SII0276-CAL4
Misc Info : 20-
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Meth Date : 22-Sep-2020 14:55 nt10.i Quant Type: ISTD
Cal Date : 19-SEP-2020 15:21 Cal File: NT1020091906.D
Als bottle: 8 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	6.999	6.999	(0.756)	148195	3.75000	3.885
$	2 Phenol-d5	99	8.591	8.591	(0.928)	200669	3.75000	3.746
	3 Phenol	94	8.614	8.614	(0.931)	134879	2.50000	2.566
$	5 2-Chlorophenol-d4	132	8.884	8.884	(0.960)	147653	3.75000	3.752
	4 Bis(2-Chloroethyl)ether	93	8.791	8.791	(0.950)	102432	2.50000	2.501
	6 2-Chlorophenol	128	8.915	8.915	(0.963)	105800	2.50000	2.455
	7 1,3-Dichlorobenzene	146	9.186	9.186	(0.992)	111818	2.50000	2.528
*	8 1,4-Dichlorobenzene-d4	152	9.256	9.256	(1.000)	104021	4.00000	
	9 1,4-Dichlorobenzene	146	9.287	9.287	(1.003)	96283	2.50000	2.538
$	10 1,2-Dichlorobenzene-d4	152	9.613	9.613	(1.039)	63147	2.50000	2.475
	12 1,2-Dichlorobenzene	146	9.644	9.644	(1.042)	102174	2.50000	2.548
	11 Benzyl alcohol	108	9.520	9.520	(1.029)	58037	2.50000	2.542
	14 2,2'-oxybis(1-Chloropropane)	121	9.822	9.822	(1.061)	33689	2.50000	2.499
	13 2-Methylphenol	108	9.745	9.745	(1.053)	83488	2.50000	2.507
	17 Hexachloroethane	117	10.234	10.234	(1.106)	40752	2.50000	2.466
	16 N-Nitroso-di-n-propylamine	70	10.079	10.079	(1.089)	60897	2.50000	2.467
	15 4-Methylphenol	108	10.009	10.009	(1.081)	89766	2.50000	2.519
$	18 Nitrobenzene-d5	82	10.358	10.358	(0.881)	92010	2.50000	2.499
	19 Nitrobenzene	77	10.397	10.397	(0.884)	96373	2.50000	2.494
	20 Isophorone	82	10.839	10.839	(0.922)	187529	2.50000	2.464
	21 2-Nitrophenol	139	11.028	11.028	(0.938)	56532	2.50000	2.465
	22 2,4-Dimethylphenol	107	11.062	11.062	(0.941)	169256	5.00000	5.183
	23 Bis(2-Chloroethoxy)methane	93	11.265	11.265	(0.958)	103154	2.50000	2.588
	24 Benzoic acid	105	11.197	11.197	(0.953)	205629	10.0000	9.183
	25 2,4-Dichlorophenol	162	11.469	11.469	(0.976)	147614	5.00000	5.043
	26 1,2,4-Trichlorobenzene	180	11.663	11.663	(0.992)	82377	2.50000	2.617
*	27 Naphthalene-d8	136	11.755	11.755	(1.000)	353818	4.00000	
	28 Naphthalene	128	11.794	11.794	(1.003)	235540	2.50000	2.568
	29 4-Chloroaniline	127	11.925	11.925	(1.014)	213977	5.00000	5.629
	30 Hexachlorobutadiene	225	12.149	12.149	(1.034)	46572	2.50000	2.644
	31 4-Chloro-3-methylphenol	107	12.877	12.877	(1.095)	156446	5.00000	5.006
	32 2-Methylnaphthalene	142	13.194	13.194	(1.122)	195576	2.50000	2.560
	33 Hexachlorocyclopentadiene	237	13.658	13.658	(0.887)	119094	5.00000	5.013

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.821	13.821	(0.898)	119280	5.00000	5.027
	35 2,4,5-Trichlorophenol	196	13.891	13.891	(0.902)	131735	5.00000	5.096
$	36 2-Fluorobiphenyl	172	13.984	13.984	(0.908)	204542	2.50000	2.484
	37 2-Chloronaphthalene	162	14.200	14.200	(0.923)	185475	2.50000	2.496
	38 2-Nitroaniline	65	14.463	14.463	(0.940)	98005	5.00000	5.055
	39 Dimethylphthalate	163	14.897	14.897	(0.968)	187904	2.50000	2.598
	40 Acenaphthylene	152	15.083	15.083	(0.980)	273362	2.50000	2.522
	41 2,6-Dinitrotoluene	165	15.044	15.044	(0.977)	84197	5.00000	5.097
*	42 Acenaphthene-d10	164	15.392	15.392	(1.000)	184102	4.00000	
	43 3-Nitroaniline	138	15.330	15.330	(0.996)	99958	5.00000	5.251
	44 Acenaphthene	153	15.462	15.462	(1.005)	153616	2.50000	2.484
	45 2,4-Dinitrophenol	184	15.539	15.539	(1.010)	83129	10.0000	7.710
	46 Dibenzofuran	168	15.786	15.786	(1.026)	228427	2.50000	2.528
	47 4-Nitrophenol	109	15.632	15.632	(1.016)	31589	5.00000	4.981
	48 2,4-Dinitrotoluene	165	15.856	15.856	(1.030)	113128	5.00000	5.174
	50 Diethylphthalate	149	16.366	16.366	(1.063)	168661	2.50000	2.550
	49 Fluorene	166	16.513	16.513	(1.073)	188981	2.50000	2.525
	51 4-Chlorophenyl-phenylether	204	16.498	16.498	(1.072)	91332	2.50000	2.528
	52 4-Nitroaniline	138	16.606	16.606	(1.079)	102084	5.00000	5.370
	53 4,6-Dinitro-2-methylphenol	198	16.699	16.699	(0.904)	179048	10.0000	10.82
	54 N-Nitrosodiphenylamine	169	16.753	16.753	(0.907)	114570	2.50000	2.529
$	55 2,4,6-Tribromophenol	330	17.053	17.053	(1.108)	49558	3.75000	3.842
	56 4-Bromophenyl-phenylether	248	17.516	17.516	(0.948)	76587	2.50000	2.491
	57 Hexachlorobenzene	284	17.833	17.833	(0.966)	77532	2.50000	2.563
	58 Pentachlorophenol	266	18.197	18.197	(0.985)	65754	5.00000	5.254
*	59 Phenanthrene-d10	188	18.468	18.468	(1.000)	348900	4.00000	
	60 Phenanthrene	178	18.514	18.514	(1.002)	226557	2.50000	2.462
	61 Anthracene	178	18.607	18.607	(1.008)	245130	2.50000	2.479
	62 Carbazole	167	18.947	18.947	(1.026)	246645	2.50000	2.472
	63 Di-n-butylphthalate	149	19.744	19.744	(1.069)	310649	2.50000	2.418
	64 Fluoranthene	202	20.920	20.920	(0.888)	299218	2.50000	2.416
	65 Pyrene	202	21.346	21.346	(0.906)	305844	2.50000	2.431
$	66 Terphenyl-d14	244	21.632	21.632	(0.918)	213441	2.50000	2.541
	67 Butylbenzylphthalate	149	22.577	22.577	(0.958)	110508	2.50000	2.446
	68 Benzo(a)anthracene	228	23.537	23.537	(0.999)	216579	2.50000	2.447
*	69 Chrysene-d12	240	23.560	23.560	(1.000)	228498	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.490	23.490	(0.997)	246425	7.50000	7.640
	71 Chrysene	228	23.606	23.606	(1.002)	175975	2.50000	2.476
	72 bis(2-Ethylhexyl)phthalate	149	23.606	23.606	(0.958)	127005	2.50000	2.468
*	134 Di-n-octylphthalate-d4	153	24.636	24.636	(1.000)	364056	4.00000	
	73 Di-n-octylphthalate	149	24.644	24.644	(1.000)	236299	2.50000	2.496
	74 Benzo(b)fluoranthene	252	25.526	25.526	(0.969)	170228	2.50000	2.558
	75 Benzo(k)fluoranthene	252	25.573	25.573	(0.970)	166741	2.50000	2.490
	76 Benzo(a)pyrene	252	26.231	26.231	(0.995)	137089	2.50000	2.476
*	77 Perylene-d12	264	26.355	26.355	(1.000)	175426	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	29.261	29.261	(1.110)	114088	2.50000	2.489
	79 Dibenzo(a,h)anthracene	278	29.277	29.277	(1.111)	93231	2.50000	2.499
	80 Benzo(g,h,i)perylene	276	30.108	30.108	(1.142)	91287	2.50000	2.428
	90 N-Nitrosodimethylamine	74	4.797	4.797	(0.518)	145195	5.00000	5.276
	91 Aniline	93	8.706	8.706	(0.941)	188827	5.00000	5.085
	93 Benzidine	184	21.160	21.160	(0.898)	229851	5.00000	4.581
	103 Pyridine	79	4.821	4.821	(0.521)	107954	2.50000	2.653
	105 1-methylnaphthalene	142	13.419	13.419	(1.141)	188797	2.50000	2.560
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.830	16.830	(1.093)	211275	2.50000	2.522

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.573	25.573	(0.970)	323985	5.00000	5.008
99 Perylene	252	26.417	26.417	(1.002)	117022	2.50000	2.398
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	16.126	16.126	(1.048)	49497	2.50000	2.423

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020091908.D
Lab Smp Id: SII0276-CAL4
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Misc Info: 20-

Calibration Date: 19-SEP-2020
Calibration Time: 12:43
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	131496	65748	262992	104021	-20.89
27 Naphthalene-d8	469048	234524	938096	353818	-24.57
42 Acenaphthene-d10	240338	120169	480676	184102	-23.40
59 Phenanthrene-d10	451272	225636	902544	348900	-22.69
69 Chrysene-d12	290698	145349	581396	228498	-21.40
134 Di-n-octylphthala	509417	254709	1018834	364056	-28.53
77 Perylene-d12	218282	109141	436564	175426	-19.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.26	8.76	9.76	9.26	-0.00
27 Naphthalene-d8	11.75	11.25	12.25	11.76	0.07
42 Acenaphthene-d10	15.38	14.88	15.88	15.39	0.10
59 Phenanthrene-d10	18.44	17.94	18.94	18.47	0.17
69 Chrysene-d12	23.51	23.01	24.01	23.56	0.20
134 Di-n-octylphthala	24.57	24.07	25.07	24.64	0.25
77 Perylene-d12	26.29	25.79	26.79	26.36	0.27

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020091908.D

Lab ID: SII0276-CAL4
nt10.i, ABN.m, 19-SEP-2020 16:36

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
NONE			

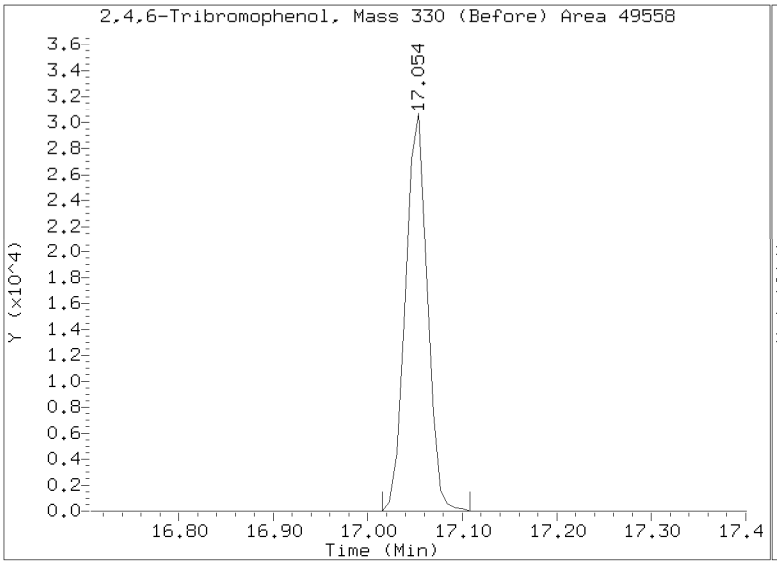
RRT check based on Ccal File: NT1020091906.D

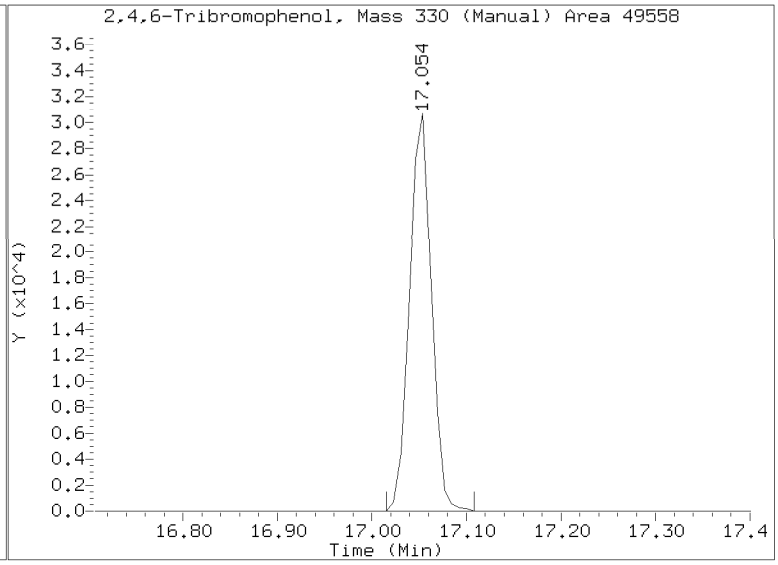
On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20200919.b/NT1020091908.D
Injection Date: 19-SEP-2020 16:36
Lab ID:SII0276-CAL4 Client ID:
Report Date: 09/21/2020 17:44





Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091910.D

Page 1

Date : 19-SEP-2020 17:51

Client ID:

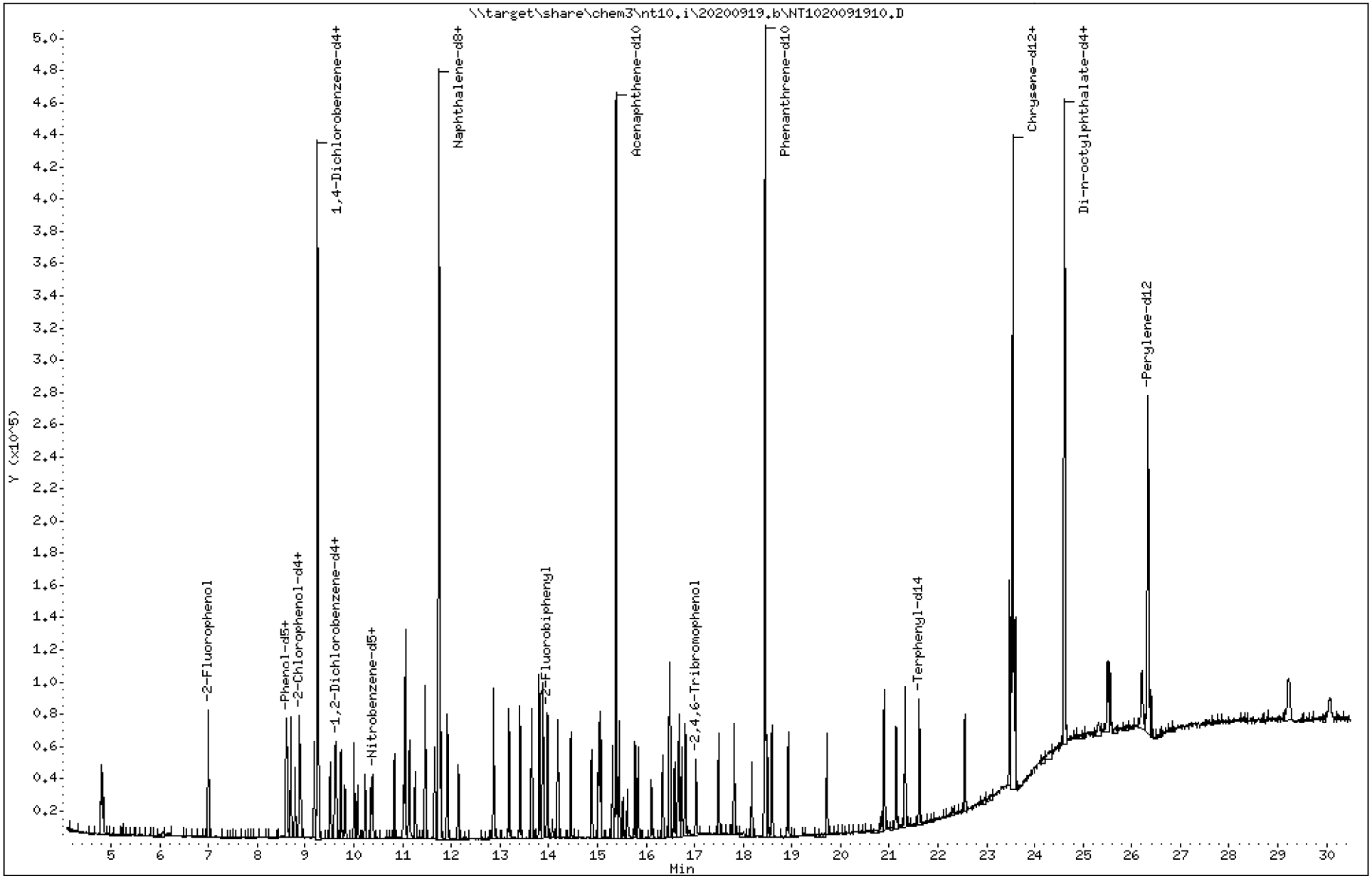
Instrument: nt10.i

Sample Info: SII0276-CAL2

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20200919.b\NT1020091910.D
Lab Smp Id: SII0276-CAL2
Inj Date : 19-SEP-2020 17:51
Operator : VTS Inst ID: nt10.i
Smp Info : SII0276-CAL2
Misc Info : 20-
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Meth Date : 22-Sep-2020 14:55 nt10.i Quant Type: ISTD
Cal Date : 19-SEP-2020 16:36 Cal File: NT1020091908.D
Als bottle: 10 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	6.991	6.991	(0.756)	33760	0.75000	0.8064
$ 2 Phenol-d5	99	8.590	8.590	(0.929)	42400	0.75000	0.7212
3 Phenol	94	8.606	8.606	(0.931)	31486	0.50000	0.5459
$ 5 2-Chlorophenol-d4	132	8.876	8.876	(0.960)	33802	0.75000	0.7827
4 Bis(2-Chloroethyl)ether	93	8.791	8.791	(0.951)	24206	0.50000	0.5386
6 2-Chlorophenol	128	8.907	8.907	(0.963)	25759	0.50000	0.5447
7 1,3-Dichlorobenzene	146	9.186	9.186	(0.993)	26231	0.50000	0.5403
* 8 1,4-Dichlorobenzene-d4	152	9.248	9.248	(1.000)	114151	4.00000	
9 1,4-Dichlorobenzene	146	9.279	9.279	(1.003)	21622	0.50000	0.5195
$ 10 1,2-Dichlorobenzene-d4	152	9.613	9.613	(1.039)	14772	0.50000	0.5276
12 1,2-Dichlorobenzene	146	9.636	9.636	(1.042)	23401	0.50000	0.5317
11 Benzyl alcohol	108	9.512	9.512	(1.029)	12246	0.50000	0.4887
14 2,2'-oxybis(1-Chloropropane)	121	9.815	9.815	(1.061)	7371	0.50000	0.4982
13 2-Methylphenol	108	9.737	9.737	(1.053)	19012	0.50000	0.5202
17 Hexachloroethane	117	10.226	10.226	(1.106)	9273	0.50000	0.5112
16 N-Nitroso-di-n-propylamine	70	10.078	10.078	(1.090)	13513	0.50000	0.4989
15 4-Methylphenol	108	10.001	10.001	(1.081)	20911	0.50000	0.5348
$ 18 Nitrobenzene-d5	82	10.350	10.350	(0.882)	20995	0.50000	0.5244
19 Nitrobenzene	77	10.389	10.389	(0.885)	21129	0.50000	0.5029
20 Isophorone	82	10.831	10.831	(0.923)	38063	0.50000	0.4600
21 2-Nitrophenol	139	11.019	11.019	(0.939)	12141	0.50000	0.4869
22 2,4-Dimethylphenol	107	11.053	11.053	(0.942)	40577	1.00000	1.143
23 Bis(2-Chloroethoxy)methane	93	11.257	11.257	(0.959)	23760	0.50000	0.5483
24 Benzoic acid	105	11.138	11.138	(0.949)	31276	2.00000	1.279
25 2,4-Dichlorophenol	162	11.460	11.460	(0.976)	34108	1.00000	1.072
26 1,2,4-Trichlorobenzene	180	11.655	11.655	(0.993)	18800	0.50000	0.5492
* 27 Naphthalene-d8	136	11.740	11.740	(1.000)	384703	4.00000	
28 Naphthalene	128	11.786	11.786	(1.004)	50618	0.50000	0.5075
29 4-Chloroaniline	127	11.917	11.917	(1.015)	38340	1.00000	0.9276
30 Hexachlorobutadiene	225	12.142	12.142	(1.034)	10200	0.50000	0.5326
31 4-Chloro-3-methylphenol	107	12.869	12.869	(1.096)	32031	1.00000	0.9426
32 2-Methylnaphthalene	142	13.186	13.186	(1.123)	39221	0.50000	0.4721
33 Hexachlorocyclopentadiene	237	13.651	13.651	(0.888)	22725	1.00000	0.9503

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.805	13.805	(0.898)	24570	1.00000	1.029
	35 2,4,5-Trichlorophenol	196	13.875	13.875	(0.902)	25856	1.00000	0.9937
$	36 2-Fluorobiphenyl	172	13.968	13.968	(0.908)	42369	0.50000	0.5113
	37 2-Chloronaphthalene	162	14.185	14.185	(0.922)	38205	0.50000	0.5108
	38 2-Nitroaniline	65	14.455	14.455	(0.940)	17867	1.00000	0.9156
	39 Dimethylphthalate	163	14.881	14.881	(0.968)	39788	0.50000	0.5466
	40 Acenaphthylene	152	15.067	15.067	(0.980)	58814	0.50000	0.5391
	41 2,6-Dinitrotoluene	165	15.028	15.028	(0.977)	17679	1.00000	1.063
*	42 Acenaphthene-d10	164	15.376	15.376	(1.000)	185306	4.00000	
	43 3-Nitroaniline	138	15.315	15.315	(0.996)	18713	1.00000	0.9767
	44 Acenaphthene	153	15.446	15.446	(1.005)	31812	0.50000	0.5111
	45 2,4-Dinitrophenol	184	15.523	15.523	(1.010)	7445	2.00000	0.6901
	46 Dibenzofuran	168	15.771	15.771	(1.026)	45537	0.50000	0.5007
	47 4-Nitrophenol	109	15.616	15.616	(1.016)	5382	1.00000	0.8432
	48 2,4-Dinitrotoluene	165	15.840	15.840	(1.030)	19468	1.00000	0.8847
	50 Diethylphthalate	149	16.343	16.343	(1.063)	35280	0.50000	0.5300
	49 Fluorene	166	16.498	16.498	(1.073)	39600	0.50000	0.5257
	51 4-Chlorophenyl-phenylether	204	16.482	16.482	(1.072)	19145	0.50000	0.5265
	52 4-Nitroaniline	138	16.590	16.590	(1.079)	16899	1.00000	0.8831
	53 4,6-Dinitro-2-methylphenol	198	16.683	16.683	(0.905)	25989	2.00000	1.579
	54 N-Nitrosodiphenylamine	169	16.737	16.737	(0.907)	25250	0.50000	0.5602
$	55 2,4,6-Tribromophenol	330	17.038	17.038	(1.108)	10065	0.75000	0.7752
	56 4-Bromophenyl-phenylether	248	17.501	17.501	(0.949)	15615	0.50000	0.5104
	57 Hexachlorobenzene	284	17.817	17.817	(0.966)	17576	0.50000	0.5840
	58 Pentachlorophenol	266	18.173	18.173	(0.985)	9935	1.00000	0.7979
*	59 Phenanthrene-d10	188	18.444	18.444	(1.000)	347141	4.00000	
	60 Phenanthrene	178	18.498	18.498	(1.003)	46224	0.50000	0.5050
	61 Anthracene	178	18.591	18.591	(1.008)	47861	0.50000	0.4864
	62 Carbazole	167	18.924	18.924	(1.026)	47143	0.50000	0.4748
	63 Di-n-butylphthalate	149	19.721	19.721	(1.069)	57247	0.50000	0.4479
	64 Fluoranthene	202	20.897	20.897	(0.888)	54674	0.50000	0.4470
	65 Pyrene	202	21.322	21.322	(0.906)	57076	0.50000	0.4594
$	66 Terphenyl-d14	244	21.616	21.616	(0.918)	44165	0.50000	0.5324
	67 Butylbenzylphthalate	149	22.553	22.553	(0.958)	22836	0.50000	0.5119
	68 Benzo(a)anthracene	228	23.513	23.513	(0.999)	44921	0.50000	0.5138
*	69 Chrysene-d12	240	23.544	23.544	(1.000)	225665	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.475	23.475	(0.997)	48959	1.50000	1.537
	71 Chrysene	228	23.591	23.591	(1.002)	35096	0.50000	0.5001
	72 bis(2-Ethylhexyl)phthalate	149	23.583	23.583	(0.958)	22374	0.50000	0.4781
*	134 Di-n-octylphthalate-d4	153	24.613	24.613	(1.000)	331027	4.00000	
	73 Di-n-octylphthalate	149	24.628	24.628	(1.001)	45540	0.50000	0.5289
	74 Benzo(b)fluoranthene	252	25.503	25.503	(0.969)	35302	0.50000	0.5337
	75 Benzo(k)fluoranthene	252	25.549	25.549	(0.970)	32740	0.50000	0.4919
	76 Benzo(a)pyrene	252	26.207	26.207	(0.995)	27533	0.50000	0.5003
*	77 Perylene-d12	264	26.331	26.331	(1.000)	174381	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	29.215	29.215	(1.109)	24295	0.50000	0.5332
	79 Dibenzo(a,h)anthracene	278	29.238	29.238	(1.110)	20618	0.50000	0.5561
	80 Benzo(g,h,i)perylene	276	30.069	30.069	(1.142)	20294	0.50000	0.5431
	90 N-Nitrosodimethylamine	74	4.797	4.797	(0.519)	29950	1.00000	0.9917
	91 Aniline	93	8.699	8.699	(0.941)	44617	1.00000	1.095
	93 Benzidine	184	21.137	21.137	(0.898)	45800	1.00000	0.9244
	103 Pyridine	79	4.828	4.828	(0.522)	24236	0.50000	0.5428
	105 1-methylnaphthalene	142	13.411	13.411	(1.142)	37617	0.50000	0.4691
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.807	16.807	(1.093)	44273	0.50000	0.5250

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.503	25.503	(0.969)	66829	1.00000	1.039
99 Perylene	252	26.393	26.393	(1.002)	24101	0.50000	0.4968
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	16.111	16.111	(1.048)	8863	0.50000	0.4311

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020091910.D
Lab Smp Id: SII0276-CAL2
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Misc Info: 20-

Calibration Date: 19-SEP-2020
Calibration Time: 12:43
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	131496	65748	262992	114151	-13.19
27 Naphthalene-d8	469048	234524	938096	384703	-17.98
42 Acenaphthene-d10	240338	120169	480676	185306	-22.90
59 Phenanthrene-d10	451272	225636	902544	347141	-23.07
69 Chrysene-d12	290698	145349	581396	225665	-22.37
134 Di-n-octylphthala	509417	254709	1018834	331027	-35.02
77 Perylene-d12	218282	109141	436564	174381	-20.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.26	8.76	9.76	9.25	-0.09
27 Naphthalene-d8	11.75	11.25	12.25	11.74	-0.07
42 Acenaphthene-d10	15.38	14.88	15.88	15.38	-0.00
59 Phenanthrene-d10	18.44	17.94	18.94	18.44	0.04
69 Chrysene-d12	23.51	23.01	24.01	23.54	0.13
134 Di-n-octylphthala	24.57	24.07	25.07	24.61	0.16
77 Perylene-d12	26.29	25.79	26.79	26.33	0.18

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020091910.D

Lab ID: SII0276-CAL2
nt10.i, ABN.m, 19-SEP-2020 17:51

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
NONE			

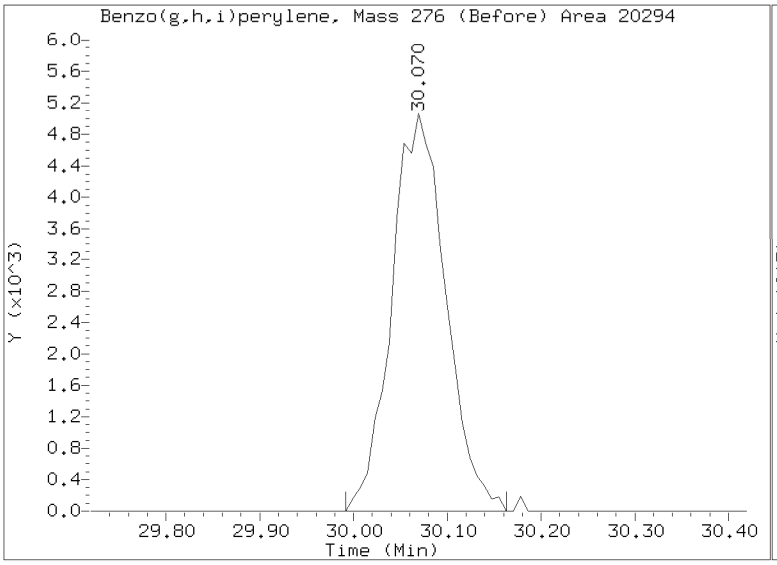
RRT check based on Ccal File: NT1020091906.D

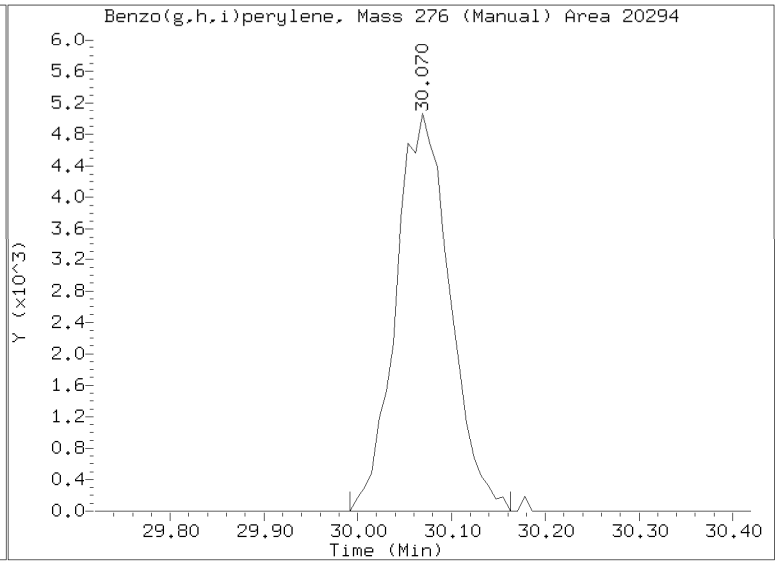
On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20200919.b/NT1020091910.D
Injection Date: 19-SEP-2020 17:51
Lab ID:SII0276-CAL2 Client ID:
Report Date: 09/21/2020 17:44





Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Calibration:	DJ00051	Instrument:	NT10
Calibration Date:	10/13/2020	Column (1):	ZB-5MSi

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RRF		RRF		RRF		RRF		RRF		RRF
Phenol	0.2	1.240597	0.5	1.452951	1	1.574092	2.5	1.603103	5	1.628534	10	1.583023
4-Methylphenol	0.2	0.8636664	0.5	1.011815	1	1.131308	2.5	1.157687	5	1.18614	10	1.148528
Naphthalene	0.2	0.9544975	0.5	0.9956621	1	1.029012	2.5	1.007692	5	1.040607	10	1.046528
2-Methylnaphthalene	0.2	0.8354479	0.5	0.8739783	1	0.8917254	2.5	0.9553137	5	0.9647475	10	1.005765
Acenaphthylene	0.2	2.974915	0.5	2.757847	1	2.784843	2.5	2.331269	5	2.477207	10	2.080029
Dimethylphthalate	0.2	1.66877	0.5	1.666502	1	1.737592	2.5	1.61234	5	1.566857	10	1.415096
Acenaphthene	0.2	1.310168	0.5	1.260056	1	1.305592	2.5	1.300818	5	1.335936	10	1.318345
Dibenzofuran	0.2	1.933344	0.5	2.002398	1	2.008185	2.5	2.114459	5	2.100612	10	2.08421
Fluorene	0.2	1.744498	0.5	1.901914	1	1.749729	2.5	1.677492	5	1.642917	10	1.545828
Phenanthrene	0.2	1.079935	0.5	1.003228	1	1.082702	2.5	1.057804	5	1.069376	10	1.055885
Anthracene	0.2	1.093181	0.5	1.060225	1	1.160655	2.5	1.173853	5	1.202618	10	1.181595
Fluoranthene	0.2	1.76522	0.5	1.71574	1	1.786527	2.5	1.815315	5	1.887085	10	1.940089
Pyrene	0.2	1.896251	0.5	1.763157	1	1.872353	2.5	1.889033	5	1.92256	10	2.012923
Butylbenzylphthalate	0.2	0.6652763	0.5	0.6317344	1	0.6086658	2.5	0.5968542	5	0.5846178	10	0.5576742
Benzo(a)anthracene	0.2	1.806975	0.5	1.659894	1	1.665002	2.5	1.570818	5	1.548173	10	1.505571
Chrysene	0.2	1.218312	0.5	1.214866	1	1.216379	2.5	1.201158	5	1.24106	10	1.239067
bis(2-Ethylhexyl)phthalate	0.2	0.4558431	0.5	0.4720915	1	0.4819345	2.5	0.4868138	5	0.4911559	10	0.4583072
Benzofluoranthenes, Total	0.4	1.631828	1	1.514798	2	1.505593	5	1.469926	10	1.450766	20	1.395498
Benzo(a)pyrene	0.2	1.495567	0.5	1.370826	1	1.343142	2.5	1.346415	5	1.360014	10	1.333352
Indeno(1,2,3-cd)pyrene	0.2	1.48844	0.5	1.389647	1	1.360998	2.5	1.293267	5	1.260881	10	1.153529
Dibenzo(a,h)anthracene	0.2	1.146225	0.5	1.120388	1	1.131618	2.5	1.04569	5	1.001945	10	0.9073192
Benzo(g,h,i)perylene	0.2	1.207032	0.5	1.155415	1	1.182269	2.5	1.11649	5	1.105426	10	1.033946
2-Fluorophenol	0.3	0.9102987	0.75	1.086538	1.5	1.212859	3.75	1.243987	7.5	1.262269	15	1.230653
Phenol-d5	0.3	1.218248	0.75	1.30976	1.5	1.450296	3.75	1.589365	7.5	1.714643	15	1.775958
2-Chlorophenol-d4	0.3	1.332453	0.75	1.35538	1.5	1.442567	3.75	1.439538	7.5	1.466528	15	1.44577
1,2-Dichlorobenzene-d4	0.2	0.9906295	0.5	0.9477418	1	0.9666416	2.5	0.9738817	5	1.002989	10	0.9978447
Nitrobenzene-d5	0.2	0.2932162	0.5	0.3001745	1	0.3098633	2.5	0.3082145	5	0.3232412	10	0.3274018
2-Fluorobiphenyl	0.2	1.933817	0.5	1.812747	1	1.873401	2.5	1.783813	5	1.8373	10	1.760738

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Calibration:	DJ00051	Instrument:	NT10
Calibration Date:	10/13/2020	Column (1):	ZB-5MSi

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RRF		RRF		RRF		RRF		RRF		RRF
2,4,6-Tribromophenol	0.3	0.3043307	0.75	0.3135069	1.5	0.3328345	3.75	0.3405758	7.5	0.3674962	15	0.362734
p-Terphenyl-d14	0.2	1.466122	0.5	1.371109	1	1.405496	2.5	1.313371	5	1.248332	10	1.169379

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Calibration:	DJ00051	Instrument:	NT10
Calibration Date:	10/13/2020	Column (1):	ZB-5MSi

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RRF		RRF		RRF		RRF		RRF		RRF
Phenol	20	1.417857										
4-Methylphenol	20	1.074824										
Naphthalene	20	1.001187										
2-Methylnaphthalene	20	0.9776259										
Dimethylphthalate	20	1.266003										
Acenaphthene	20	1.253269										
Dibenzofuran	20	1.983879										
Fluorene	20	1.413177										
Phenanthrene	20	1.029106										
Anthracene	20	1.1338										
Fluoranthene	20	1.986448										
Pyrene	20	1.976158										
Butylbenzylphthalate	20	0.5248685										
Benzo(a)anthracene	20	1.405787										
Chrysene	20	1.188753										
bis(2-Ethylhexyl)phthalate	20	0.46021										
Benzofluoranthenes, Total	40	1.331379										
Benzo(a)pyrene	20	1.267759										
Indeno(1,2,3-cd)pyrene	20	1.092635										
Dibenzo(a,h)anthracene	20	0.8402467										
Benzo(g,h,i)perylene	20	0.9938493										
2-Fluorophenol	30	1.130567										
Phenol-d5	30	1.667783										
2-Chlorophenol-d4	30	1.507993										
1,2-Dichlorobenzene-d4	20	0.9256728										
Nitrobenzene-d5	20	0.3021846										
2-Fluorobiphenyl	20	1.625228										
2,4,6-Tribromophenol	30	0.341482										

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Calibration:	DJ00051	Instrument:	NT10
Calibration Date:	10/13/2020	Column (1):	ZB-5MSi

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Phenol	1.500022	9.3			RSD (15)	
4-Methylphenol	1.081995	10.4			RSD (15)	
Naphthalene	1.010741	3.1			RSD (15)	
2-Methylnaphthalene	0.9292291	6.7			RSD (15)	
Acenaphthylene	2.567685	12.9			RSD (15)	
Dimethylphthalate	1.56188	10.6			RSD (15)	
Acenaphthene	1.297741	2.3			RSD (15)	
Dibenzofuran	2.032441	3.3			RSD (15)	
Fluorene	1.667936	9.4			RSD (15)	
Phenanthrene	1.054005	2.7			RSD (15)	
Anthracene	1.143704	4.5			RSD (15)	
Fluoranthene	1.842346	5.3			RSD (15)	
Pyrene	1.904634	4.2			RSD (15)	
Butylbenzylphthalate	0.5956702	7.8			RSD (15)	
Benzo(a)anthracene	1.594603	8.1			RSD (15)	
Chrysene	1.217085	1.5			RSD (15)	
bis(2-Ethylhexyl)phthalate	0.4723366	3.1			RSD (15)	
Benzofluoranthenes, Total	1.471398	6.5			RSD (15)	
Benzo(a)pyrene	1.359582	5.0			RSD (15)	
Indeno(1,2,3-cd)pyrene	1.291342	10.6			RSD (15)	
Dibenzo(a,h)anthracene	1.027633	11.5			RSD (15)	
Benzo(g,h,i)perylene	1.11349	7.0			RSD (15)	
2-Fluorophenol	1.153882	10.8			RSD (15)	
Phenol-d5	1.532293	13.8			RSD (15)	
2-Chlorophenol-d4	1.427176	4.3			RSD (15)	
1,2-Dichlorobenzene-d4	0.9722002	2.9			RSD (15)	
Nitrobenzene-d5	0.3091852	4.0			RSD (15)	
2-Fluorobiphenyl	1.803863	5.4			RSD (15)	
2,4,6-Tribromophenol	0.3375657	6.9			RSD (15)	
p-Terphenyl-d14	1.328968	8.2			RSD (15)	

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Printed: 10/14/2020 3:55:46PM

ANALYSIS SEQUENCE

SIJ0179

Instrument: NT10 Element Column ID: I005484
Calibration ID: UNASSIGNED Tune File: 200228U
EM Voltage: 2047

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Comments
SIJ0179-TUN1	MS Tune	QC		1	I007631		
SIJ0179-CAL1	Cal Standard	QC		2	I009672	I006451	
SIJ0179-CAL2	Cal Standard	QC		3	I009671	I006451	
SIJ0179-CAL3	Cal Standard	QC		4	I009670	I006451	
SIJ0179-CAL4	Cal Standard	QC		5	I009667	I006451	
SIJ0179-CAL5	Cal Standard	QC		6	I009332	I006451	
SIJ0179-CAL6	Cal Standard	QC		7	I009668	I006451	
SIJ0179-CAL7	Cal Standard	QC		8	I009669	I006451	
SIJ0179-SCV1	SCV 5.0	QC		9	I006450	I006451	
SIJ0179-IBL1	Instrument Blank	QC		10		I006451	
SIJ0179-ICV1	ABN 5	QC		11	I009332	I006451	
BII0798-BLK1	Blank	QC		12		I006451	
BII0798-BS1	LCS	QC		13		I006451	
BII0798-SRM1	Reference	QC		14		I006451	
BII0798-MS1	Matrix Spike	QC		15		I006451	
BII0798-MSD1	Matrix Spike Dup	QC		16		I006451	
20I0216-06	LDW20-IT263	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 01	17		I006451	
BIJ0109-BLK1	Blank	QC		18		I006451	
BIJ0109-BS1	LCS	QC		19		I006451	
BIJ0109-SRM1	Reference	QC		20		I006451	
BIJ0109-MS1	Matrix Spike	QC		21		I006451	
BIJ0109-MSD1	Matrix Spike Dup	QC		22		I006451	

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Printed: 10/14/2020 3:55:46PM

ANALYSIS SEQUENCE

SIJ0179

Instrument: NT10 Element Column ID: I005484
Calibration ID: UNASSIGNED Tune File: 200228U
EM Voltage: 2047

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Comments
20I0181-09	LDW20-SS267	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 02	23		I006451	
20I0181-10	LDW20-SS260	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 02	24		I006451	
20I0211-19	LDW20-SS307	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 02	25		I006451	
SIJ0179-CCV1	ABN 5	QC		26	I009332	I006451	

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20201013.b

	Time	Filename	LabID	ClientId	DF																			
1	0939	NT1020101301.D	SIJ0179-TUN1		1	|NO ISTDS FOUND||																		
2	0955	NT1020101302.D	SIJ0179-CAL5		1	|	9.16	110213	||	11.64	370084	||	15.24	214945	||	18.27	425380	||	23.31	373197	||	25.96	391129	||	24.34	566375|
3	1033	NT1020101303.D	SIJ0179-CAL7		1	|	9.16	185954	||	11.64	645805	||	15.24	366999	||	18.27	730124	||	23.32	582957	||	25.96	624108	||	24.34	1026251|
4	1111	NT1020101304.D	SIJ0179-CAL1		1	|	9.16	151540	||	11.64	485512	||	15.23	253540	||	18.27	508827	||	23.30	440659	||	25.95	432184	||	24.34	600031|
5	1149	NT1020101305.D	SIJ0179-CAL6		1	|	9.16	104025	||	11.64	356973	||	15.23	213542	||	18.27	417066	||	23.31	354635	||	25.96	384565	||	24.34	564301|
6	1227	NT1020101306.D	SIJ0179-CAL2		1	|	9.16	143212	||	11.64	452057	||	15.23	241075	||	18.26	482275	||	23.30	418581	||	25.95	413164	||	24.34	567534|
7	1306	NT1020101307.D	SIJ0179-CAL4		1	|	9.16	126325	||	11.64	410457	||	15.23	231827	||	18.26	448003	||	23.31	394109	||	25.95	398642	||	24.34	548816|
8	1344	NT1020101308.D	SIM.05		1	|	9.16	157854	||	11.63	493432	||	15.23	249961	||	18.27	507857	||	23.31	429520	||	25.95	430335	||	24.34	563910|
9	1423	NT1020101309.D	SIJ0179-CAL3		1	|	9.16	139725	||	11.64	438090	||	15.23	241898	||	18.27	471413	||	23.30	415913	||	25.96	416653	||	24.34	559852|
10	1501	NT1020101310.D	SIM.1		1	|	9.16	154940	||	11.64	490932	||	15.23	249774	||	18.26	494904	||	23.31	426003	||	25.95	418291	||	24.34	538350|
11	1540	NT1020101311.D	SIJ0179-SCV1		1	|	9.16	124685	||	11.64	408464	||	15.23	233555	||	18.26	450104	||	23.31	387287	||	25.95	387514	||	24.34	551837|
12	1618	NT1020101312.D	SIJ0179-IBL1		1	|	9.16	155216	||	11.64	519962	||	15.23	274577	||	18.26	544414	||	23.31	452246	||	25.95	451982	||	24.34	576471|
13	1656	NT1020101313.D	SIJ0179-CAL7		1	|	9.16	86130	||	11.64	304128	||	15.24	181216	||	18.27	347345	||	23.31	277673	||	25.96	294310	||	24.34	439957|
14	1735	NT1020101314.D	SIJ0179-ICV1		1	|	9.16	109762	||	11.64	353207	||	15.23	202286	||	18.26	390957	||	23.31	336840	||	25.95	353661	||	24.34	476401|
15	1813	NT1020101315.D	SIM-ICV		1	|	9.16	137389	||	11.64	439203	||	15.23	242116	||	18.27	467840	||	23.31	415719	||	25.95	421381	||	24.34	537606|
16	1852	NT1020101316.D	BII0798-BLK1		1	|	9.16	122533	||	11.64	422135	||	15.23	220645	||	18.26	444324	||	23.30	356314	||	25.95	350841	||	24.34	454693|
17	1930	NT1020101317.D	BII0798-BS1		1	|	9.16	101834	||	11.64	377949	||	15.23	190111	||	18.26	362457	||	23.31	318915	||	25.95	337390	||	24.34	461798|
18	2008	NT1020101318.D	BII0798-SRM1		1	|	9.16	109484	||	11.64	370126	||	15.23	216295	||	18.26	394626	||	23.31	346947	||	25.95	331619	||	24.34	483294|
19	2046	NT1020101319.D	20I0216-06		1	|	9.16	109937	||	11.64	358791	||	15.24	164845	||	18.28	308054	||	23.31	213526	||	25.96	184177	||	24.34	280059|
20	2124	NT1020101320.D	BII0798-MS1		1	|	9.16	91793	||	11.64	320076	||	15.24	148288	||	18.28	278486	||	23.31	201201	||	25.96	174867	||	24.35	272097|

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20201013.b

	Time	Filename	LabID	ClientId	DF																			
21	2202	NT1020101321.D	BII0798-MSD1		1	9.16	102465	11.64	368175	15.24	172543	18.28	313945	23.31	197957	25.96	165980	24.35	271438
22	2239	NT1020101322.D	BIJ0109-BLK1		1	9.16	134369	11.64	458291	15.23	232397	18.26	463867	23.31	313536	25.96	273685	24.34	479733
23	2317	NT1020101323.D	BIJ0109-BS1		1	9.16	109050	11.64	416253	15.23	204490	18.27	403090	23.31	310666	25.96	274234	24.34	480714
24	2355	NT1020101324.D	BIJ0109-SRM1		1	9.16	104318	11.64	346814	15.23	198773	18.27	361166	23.31	287376	25.96	256991	24.34	432874
25	0033	NT1020101325.D	20I0181-09		1	9.16	125887	11.64	435418	15.23	224701	18.27	425129	23.31	255865	25.96	201670	24.34	362215
26	0111	NT1020101326.D	BIJ0109-MS1		1	9.16	103305	11.64	394858	15.24	192193	18.27	371607	23.31	259297	25.96	215631	24.35	375279
27	0148	NT1020101327.D	BIJ0109-MSD1		1	9.16	102540	11.64	386586	15.24	189349	18.27	360319	23.31	255836	25.96	214857	24.35	370793
28	0226	NT1020101328.D	20I0181-10		1	9.16	151055	11.64	510652	15.23	256601	18.27	486889	23.31	306217	25.96	261006	24.35	433908
29	0304	NT1020101329.D	20I0211-19		1	9.16	121953	11.64	404675	15.23	211051	18.27	392099	23.31	231989	25.96	192129	24.35	331283
30	0342	NT1020101330.D	SIJ0179-CCV1		1	9.16	105996	11.64	346307	15.24	199726	18.27	379259	23.31	273949	25.96	241868	24.34	437366

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20201013.b

ARI Job No.: SIJ0 Method: DFTPP8270E.m Instrument: nt10.i Date: 13-OCT-2020

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0939	NT1020101301.D	SIJ0179-TUN1		1	NO MANUAL INTEGRATION
0955	NT1020101302.D	SIJ0179-CAL5		1	NO MANUAL INTEGRATION
1033	NT1020101303.D	SIJ0179-CAL7		1	NO MANUAL INTEGRATION
1111	NT1020101304.D	SIJ0179-CAL1		1	Benzoic acid, 2,4,5-Trichlorophenol, 2,4-Dinitrophenol, 4-Nitrophenol, 4-Nitroaniline,
1149	NT1020101305.D	SIJ0179-CAL6		1	NO MANUAL INTEGRATION
1227	NT1020101306.D	SIJ0179-CAL2		1	Benzoic acid, 2,4-Dinitrophenol, 4-Nitrophenol,
1306	NT1020101307.D	SIJ0179-CAL4		1	NO MANUAL INTEGRATION
1344	NT1020101308.D	SIM.05		1	NO MANUAL INTEGRATION
1423	NT1020101309.D	SIJ0179-CAL3		1	4-Nitrophenol,
1501	NT1020101310.D	SIM.1		1	NO MANUAL INTEGRATION
1540	NT1020101311.D	SIJ0179-SCV1		1	NO MANUAL INTEGRATION
1618	NT1020101312.D	SIJ0179-IBL1		1	NO MANUAL INTEGRATION
1656	NT1020101313.D	SIJ0179-CAL7		1	NO MANUAL INTEGRATION
1735	NT1020101314.D	SIJ0179-ICV1		1	NO MANUAL INTEGRATION
1813	NT1020101315.D	SIM-ICV		1	NO MANUAL INTEGRATION
1852	NT1020101316.D	BII0798-BLK1		1	NO MANUAL INTEGRATION
1930	NT1020101317.D	BII0798-BS1		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20201013.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
2008	NT1020101318.D	BII0798-SRM1		1	NO MANUAL INTEGRATION
2046	NT1020101319.D	20I0216-06		1	Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene,
2124	NT1020101320.D	BII0798-MS1		1	4-Nitroaniline,
2202	NT1020101321.D	BII0798-MSD1		1	NO MANUAL INTEGRATION
2239	NT1020101322.D	BIJ0109-BLK1		1	NO MANUAL INTEGRATION
2317	NT1020101323.D	BIJ0109-BS1		1	NO MANUAL INTEGRATION
2355	NT1020101324.D	BIJ0109-SRM1		1	NO MANUAL INTEGRATION
0033	NT1020101325.D	20I0181-09		1	Benzo(k)fluoranthene,
0111	NT1020101326.D	BIJ0109-MS1		1	NO MANUAL INTEGRATION
0148	NT1020101327.D	BIJ0109-MSD1		1	NO MANUAL INTEGRATION
0226	NT1020101328.D	20I0181-10		1	Benzo(k)fluoranthene,
0304	NT1020101329.D	20I0211-19		1	Acenaphthylene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene,
0342	NT1020101330.D	SIJ0179-CCV1		1	NO MANUAL INTEGRATION

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20201013.b
Inst ID: nt10.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07
FILENAME:	NT1020101302	NT1020101304	NT1020101305	NT1020101306	NT1020101307	NT1020101309	NT1020101313
INJ.DATE:	13-OCT-2020	13-OCT-2020	13-OCT-2020	13-OCT-2020	13-OCT-2020	13-OCT-2020	13-OCT-2020
INJ.TIME:	09:55	11:11	11:49	12:27	13:06	14:23	16:56

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
$ 1 2-Fluorophenol	6.930	6.937	6.930	6.929	6.930	6.929	6.930	6.929	3.929-9.929	6.931	0.003
186 Carbaryl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.785	15.785-21.785	+++++	+++++
179 n-Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.599	5.599-11.599	+++++	+++++
180 n-Octadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.908	14.908-20.908	+++++	+++++
169 4-tert-Butylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.871	17.871-23.871	+++++	+++++
170 N,N-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.494	16.494-22.494	+++++	+++++
171 2,3-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.559	16.559-22.559	+++++	+++++
172 2,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.559	16.559-22.559	+++++	+++++
173 2,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	23.210	20.210-26.210	+++++	+++++
174 2,6-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.196	16.196-22.196	+++++	+++++
175 3,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.559	16.559-22.559	+++++	+++++
176 3,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.686	17.686-23.686	+++++	+++++
177 p-Benzoquinone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.244	5.244-11.244	+++++	+++++
168 Pentachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.842	12.842-18.842	+++++	+++++
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.212	44.212-50.212	+++++	+++++
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.746	44.746-50.746	+++++	+++++
147 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	+++++	48.216	45.216-51.216	+++++	+++++

Reviewer 1 _____ Date: _____
Reviewer 2 _____ Date: _____

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20201013.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
148 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.281	44.281-50.281	+++++	+++++
149 TCMX	+++++	+++++	+++++	+++++	+++++	+++++	+++++	43.387	40.387-46.387	+++++	+++++
150 DCBP	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.989	47.989-53.989	+++++	+++++
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	67.733	64.733-70.733	+++++	+++++
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.067	62.067-68.067	+++++	+++++
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.487	62.487-68.487	+++++	+++++
141 Diallate B	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.487	62.487-68.487	+++++	+++++
142 1,2-Dibromo-3-Chloropr	+++++	+++++	+++++	+++++	+++++	+++++	+++++	49.917	46.917-52.917	+++++	+++++
135 2,3,5,6-Tetrachlorophe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.672	13.672-19.672	+++++	+++++
136 2,3,4,5-tetrachlorophe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.317	36.317-42.317	+++++	+++++
$ 137 d8-1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	2.445	0.000-5.445	+++++	+++++
* 134 Di-n-octylphthalate-d4	24.338	24.337	24.338	24.337	24.338	24.337	24.338	24.337	21.337-27.337	24.338	0.000
133 Butylatedhydroxytoluen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.668	12.668-18.668	+++++	+++++
132 3,6-Dimethylphenanthre	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.450	62.450-68.450	+++++	+++++
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	64.400	61.400-67.400	+++++	+++++
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	62.100	59.100-65.100	+++++	+++++
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.912	51.912-57.912	+++++	+++++
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.212	51.212-57.212	+++++	+++++
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	57.650	54.650-60.650	+++++	+++++
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	56.750	53.750-59.750	+++++	+++++
144 alpha-Terpineol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.498	8.498-14.498	+++++	+++++
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	52.166	49.166-55.166	+++++	+++++

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20201013.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.617	47.617-53.617	+++++	+++++
123 Acetophenone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	10.686	7.686-13.686	+++++	+++++
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	43.467	40.467-46.467	+++++	+++++
143 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	2.697	0.000-5.697	+++++	+++++
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.500	51.500-57.500	+++++	+++++
120 2,3,4,6-Tetrachlorophe	15.968	15.967	15.960	15.960	15.960	15.967	15.968	15.967	12.967-18.967	15.964	0.004
178 2-Benzyl-4-Chloropheno	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.963	15.963-21.963	+++++	+++++
119 7,12-Dimethylbenz(a)an	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.069	44.069-50.069	+++++	+++++
118 Triphenyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	21.215	18.215-24.215	+++++	+++++
117 Butyl Diphenyl Phospha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.057	14.057-20.057	+++++	+++++
116 Dibutyl Phenyl Phospha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.747	15.747-21.747	+++++	+++++
115 Tributyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.049	14.049-20.049	+++++	+++++
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	48.950	45.950-51.950	+++++	+++++
113 Diphenyl Oxide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.341	11.341-17.341	+++++	+++++
112 Biphenyl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.632	11.632-17.632	+++++	+++++
111 Azobenzene (1,2-DP-Hyd	16.655	16.647	16.655	16.647	16.648	16.647	16.663	16.655	13.655-19.655	16.652	0.006
110 Tetrachloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.366	14.366-20.366	+++++	+++++
109 3,4,5-Trichloroguaiaco	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.070	12.070-18.070	+++++	+++++
181 3,4,6-Trichloroguaiaco	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.232	12.232-18.232	+++++	+++++
108 4,5,6-Trichloroguaiaco	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.374	13.374-19.374	+++++	+++++
184 3,4-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	13.208	10.208-16.208	+++++	+++++
107 4,5-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.160	11.160-17.160	+++++	+++++
182 4,6-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.160	11.160-17.160	+++++	+++++
185 4-Chloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.737	8.737-14.737	+++++	+++++

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20201013.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
106 Guaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	9.227	6.227-12.227	+++++	+++++
105 1-methylnaphthalene	13.283	13.283	13.283	13.283	13.283	13.283	13.291	13.291	10.291-16.291	13.284	0.003
151 1,2,4,5-Tetrachloroben	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.499	8.499-14.499	+++++	+++++
152 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	30.943	27.943-33.943	+++++	+++++
153 Chlorpyrifos	+++++	+++++	+++++	+++++	+++++	+++++	+++++	27.781	24.781-30.781	+++++	+++++
154 Diazinon	+++++	+++++	+++++	+++++	+++++	+++++	+++++	26.082	23.082-29.082	+++++	+++++
155 Kelthane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	28.270	25.270-31.270	+++++	+++++
156 Methyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	26.586	23.586-29.586	+++++	+++++
157 Ethyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	27.276	24.276-30.276	+++++	+++++
158 Ethion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	24.503	21.503-27.503	+++++	+++++
159 4-Nonylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	25.261	22.261-28.261	+++++	+++++
160 Tetraethyl Tin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.528	16.528-22.528	+++++	+++++
161 1,2,3-Trichloronaphtha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	36.246	33.246-39.246	+++++	+++++
162 1,2,3,4-Tetrachloronap	+++++	+++++	+++++	+++++	+++++	+++++	+++++	37.506	34.506-40.506	+++++	+++++
163 1,2,3,5,8-Pentachloron	+++++	+++++	+++++	+++++	+++++	+++++	+++++	38.893	35.893-41.893	+++++	+++++
164 1,2,3,4,6,7-Hexachloro	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.681	36.681-42.681	+++++	+++++
165 1,2,3,4,5,6,7-Heptachl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	41.123	38.123-44.123	+++++	+++++
166 Octachloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	42.253	39.253-45.253	+++++	+++++
167 2,2',4,4',5-Pentabromo	+++++	+++++	+++++	+++++	+++++	+++++	+++++	42.033	39.033-45.033	+++++	+++++
$ 2 Phenol-d5	8.514	8.513	8.522	8.513	8.514	8.513	8.521	8.513	5.513-11.513	8.516	0.004
3 Phenol	8.537	8.537	8.537	8.537	8.537	8.537	8.545	8.537	5.537-11.537	8.538	0.003
4 Bis(2-Chloroethyl)ethe	8.707	8.707	8.707	8.707	8.707	8.707	8.714	8.707	5.707-11.707	8.708	0.003
$ 5 2-Chlorophenol-d4	8.792	8.792	8.800	8.791	8.792	8.791	8.799	8.799	5.799-11.799	8.794	0.004

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20201013.b
Inst ID: nt10.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	6 2-Chlorophenol	8.823	8.822	8.823	8.822	8.823	8.822	8.830	8.822	5.822-11.822	8.824	0.003
	7 1,3-Dichlorobenzene	9.094	9.093	9.094	9.093	9.094	9.093	9.094	9.093	6.093-12.093	9.094	0.000
*	8 1,4-Dichlorobenzene-d4	9.156	9.156	9.156	9.156	9.156	9.156	9.164	9.163	6.163-12.163	9.157	0.003
	9 1,4-Dichlorobenzene	9.187	9.187	9.187	9.187	9.187	9.187	9.195	9.187	6.187-12.187	9.188	0.003
$	10 1,2-Dichlorobenzene-d4	9.521	9.513	9.521	9.513	9.513	9.513	9.521	9.520	6.520-12.520	9.516	0.004
	11 Benzyl alcohol	9.427	9.427	9.428	9.427	9.427	9.427	9.435	9.427	6.427-12.427	9.428	0.003
	12 1,2-Dichlorobenzene	9.544	9.544	9.544	9.544	9.544	9.544	9.544	9.544	6.544-12.544	9.544	0.000
	13 2-Methylphenol	9.653	9.652	9.653	9.645	9.645	9.645	9.653	9.645	6.645-12.645	9.649	0.004
	14 2,2'-oxybis(1-Chloropr	9.723	9.714	9.723	9.722	9.723	9.722	9.722	9.722	6.722-12.722	9.721	0.003
	15 4-Methylphenol	9.917	9.916	9.917	9.916	9.917	9.916	9.924	9.916	6.916-12.916	9.918	0.003
	16 N-Nitroso-di-n-propyla	9.986	9.978	9.986	9.978	9.979	9.978	9.994	9.986	6.986-12.986	9.983	0.006
	17 Hexachloroethane	10.134	10.134	10.134	10.126	10.134	10.134	10.134	10.134	7.134-13.134	10.133	0.003
$	18 Nitrobenzene-d5	10.258	10.258	10.258	10.250	10.250	10.250	10.258	10.258	7.258-13.258	10.255	0.004
	19 Nitrobenzene	10.289	10.289	10.289	10.289	10.289	10.289	10.297	10.289	7.289-13.289	10.290	0.003
	20 Isophorone	10.731	10.723	10.731	10.723	10.731	10.723	10.747	10.731	7.731-13.731	10.730	0.008
	21 2-Nitrophenol	10.919	10.910	10.919	10.910	10.919	10.910	10.919	10.919	7.919-13.919	10.916	0.005
	22 2,4-Dimethylphenol	10.962	10.961	10.962	10.961	10.962	10.961	10.970	10.961	7.961-13.961	10.963	0.003
	23 Bis(2-Chloroethoxy)met	11.157	11.157	11.166	11.157	11.157	11.157	11.165	11.157	8.157-14.157	11.159	0.004
	24 Benzoic acid	11.157	11.072	11.208	11.055	11.115	11.072	11.267	11.148	8.148-14.148	11.135	0.080
	25 2,4-Dichlorophenol	11.361	11.360	11.369	11.360	11.361	11.360	11.369	11.360	8.360-14.360	11.363	0.004
	26 1,2,4-Trichlorobenzene	11.551	11.550	11.551	11.550	11.550	11.550	11.550	11.550	8.550-14.550	11.550	0.000
*	27 Naphthalene-d8	11.635	11.635	11.635	11.635	11.635	11.635	11.643	11.635	8.635-14.635	11.636	0.003
	28 Naphthalene	11.682	11.674	11.682	11.674	11.674	11.674	11.682	11.674	8.674-14.674	11.677	0.004
	29 4-Chloroaniline	11.813	11.813	11.813	11.813	11.813	11.813	11.821	11.813	8.813-14.813	11.814	0.003

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20201013.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
30 Hexachlorobutadiene	12.037	12.029	12.029	12.029	12.029	12.037	12.037	12.029	9.029-15.029	12.033	0.004
31 4-Chloro-3-methylpheno	12.757	12.764	12.757	12.757	12.757	12.757	12.764	12.757	9.757-15.757	12.759	0.004
32 2-Methylnaphthalene	13.066	13.058	13.067	13.058	13.059	13.066	13.066	13.066	10.066-16.066	13.063	0.004
33 Hexachlorocyclopentadi	13.523	13.523	13.523	13.523	13.523	13.523	13.523	13.523	10.523-16.523	13.523	0.000
34 2,4,6-Trichlorophenol	13.686	13.685	13.686	13.677	13.678	13.685	13.685	13.685	10.685-16.685	13.683	0.004
35 2,4,5-Trichlorophenol	13.755	13.770	13.755	13.755	13.755	13.755	13.763	13.755	10.755-16.755	13.758	0.006
$ 36 2-Fluorobiphenyl	13.840	13.840	13.840	13.840	13.840	13.840	13.848	13.840	10.840-16.840	13.841	0.003
37 2-Chloronaphthalene	14.057	14.049	14.057	14.049	14.057	14.049	14.057	14.057	11.057-17.057	14.054	0.004
38 2-Nitroaniline	14.320	14.335	14.328	14.320	14.320	14.320	14.335	14.320	11.320-17.320	14.326	0.007
39 Dimethylphthalate	14.746	14.746	14.746	14.746	14.746	14.746	14.754	14.746	11.746-17.746	14.747	0.003
40 Acenaphthylene	14.924	14.924	14.924	14.924	14.924	14.924	14.932	14.924	11.924-17.924	14.925	0.003
41 2,6-Dinitrotoluene	14.893	14.885	14.893	14.893	14.885	14.885	14.901	14.893	11.893-17.893	14.891	0.006
* 42 Acenaphthene-d10	15.241	15.233	15.233	15.233	15.233	15.233	15.241	15.233	12.233-18.233	15.235	0.004
43 3-Nitroaniline	15.179	15.187	15.179	15.179	15.171	15.179	15.195	15.171	12.171-18.171	15.181	0.007
44 Acenaphthene	15.303	15.303	15.303	15.295	15.303	15.302	15.310	15.303	12.303-18.303	15.303	0.005
45 2,4-Dinitrophenol	15.388	15.411	15.388	15.388	15.380	15.388	15.395	15.388	12.388-18.388	15.391	0.010
46 Dibenzofuran	15.628	15.627	15.628	15.627	15.628	15.627	15.635	15.627	12.627-18.627	15.628	0.003
47 4-Nitrophenol	15.488	15.635	15.496	15.550	15.488	15.503	15.504	15.488	12.488-18.488	15.524	0.053
48 2,4-Dinitrotoluene	15.697	15.697	15.697	15.689	15.689	15.689	15.705	15.697	12.697-18.697	15.695	0.006
49 Fluorene	16.339	16.339	16.339	16.339	16.339	16.339	16.347	16.339	13.339-19.339	16.340	0.003
50 Diethylphthalate	16.200	16.192	16.200	16.192	16.192	16.192	16.215	16.199	13.199-19.199	16.197	0.009
51 4-Chlorophenyl-phenyle	16.331	16.331	16.323	16.323	16.323	16.323	16.331	16.331	13.331-19.331	16.327	0.004
52 4-Nitroaniline	16.447	16.470	16.455	16.454	16.439	16.447	16.470	16.447	13.447-19.447	16.455	0.012
53 4,6-Dinitro-2-methylph	16.532	16.532	16.532	16.524	16.524	16.524	16.547	16.532	13.532-19.532	16.531	0.008

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20201013.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
54 N-Nitrosodiphenylamine	16.578	16.586	16.586	16.578	16.578	16.578	16.594	16.578	13.578-19.578	16.582	0.006
$ 55 2,4,6-Tribromophenol	16.871	16.879	16.879	16.871	16.871	16.871	16.879	16.871	13.871-19.871	16.874	0.004
56 4-Bromophenyl-phenylet	17.334	17.326	17.334	17.334	17.326	17.326	17.334	17.326	14.326-20.326	17.330	0.004
57 Hexachlorobenzene	17.643	17.643	17.643	17.643	17.643	17.643	17.651	17.643	14.643-20.643	17.644	0.003
58 Pentachlorophenol	17.999	18.014	17.999	18.006	17.999	18.006	18.007	17.999	14.999-20.999	18.004	0.006
* 59 Phenanthrene-d10	18.270	18.270	18.270	18.262	18.262	18.270	18.270	18.262	15.262-21.262	18.268	0.004
60 Phenanthrene	18.316	18.316	18.316	18.316	18.309	18.316	18.324	18.316	15.316-21.316	18.316	0.004
61 Anthracene	18.409	18.409	18.409	18.409	18.401	18.401	18.417	18.409	15.409-21.409	18.408	0.005
62 Carbazole	18.742	18.749	18.742	18.749	18.742	18.741	18.749	18.741	15.741-21.741	18.745	0.004
63 Di-n-butylphthalate	19.531	19.531	19.531	19.531	19.531	19.531	19.531	19.531	16.531-22.531	19.531	0.000
64 Fluoranthene	20.692	20.691	20.692	20.691	20.692	20.691	20.699	20.691	17.691-23.691	20.692	0.003
65 Pyrene	21.117	21.117	21.117	21.117	21.117	21.117	21.125	21.117	18.117-24.117	21.118	0.003
$ 66 Terphenyl-d14	21.403	21.403	21.403	21.403	21.403	21.403	21.403	21.403	18.403-24.403	21.403	0.000
67 Butylbenzylphthalate	22.325	22.332	22.333	22.324	22.325	22.324	22.332	22.324	19.324-25.324	22.328	0.004
68 Benzo(a)anthracene	23.277	23.277	23.277	23.277	23.277	23.277	23.285	23.277	20.277-26.277	23.278	0.003
* 69 Chrysene-d12	23.308	23.300	23.308	23.300	23.308	23.300	23.308	23.308	20.308-26.308	23.305	0.004
70 3,3'-Dichlorobenzidine	23.239	23.246	23.246	23.238	23.238	23.238	23.254	23.238	20.238-26.238	23.243	0.006
71 Chrysene	23.355	23.347	23.355	23.347	23.347	23.347	23.354	23.347	20.347-26.347	23.350	0.004
72 bis(2-Ethylhexyl)phtha	23.347	23.347	23.347	23.347	23.347	23.347	23.354	23.347	20.347-26.347	23.348	0.003
73 Di-n-octylphthalate	24.346	24.345	24.353	24.345	24.346	24.345	24.353	24.345	21.345-27.345	24.348	0.004
74 Benzo(b)fluoranthene	25.174	25.174	25.174	25.166	25.174	25.166	25.182	25.174	22.174-28.174	25.173	0.005
75 Benzo(k)fluoranthene	25.213	25.212	25.220	25.212	25.213	25.212	25.220	25.220	22.220-28.220	25.215	0.004
187 Total Benzofluoranthen	25.174	25.174	25.220	25.166	25.213	25.166	25.182	25.220	22.220-28.220	25.185	0.022
76 Benzo(a)pyrene	25.832	25.839	25.840	25.832	25.832	25.832	25.840	25.832	22.832-28.832	25.835	0.004

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20201013.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
* 77 Perylene-d12	25.956	25.948	25.956	25.948	25.948	25.956	25.956	25.948	22.948-28.948	25.953	0.004
78 Indeno(1,2,3-cd)pyrene	28.630	28.637	28.638	28.637	28.638	28.637	28.645	28.637	25.637-31.637	28.637	0.004
79 Dibenzo(a,h)anthracene	28.653	28.668	28.661	28.653	28.653	28.661	28.661	28.661	25.661-31.661	28.659	0.006
80 Benzo(g,h,i)perylene	29.430	29.437	29.438	29.437	29.430	29.437	29.453	29.437	26.437-32.437	29.438	0.008
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	51.633	48.633-54.633	+++++	+++++
$ 86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	63.533	60.533-66.533	+++++	+++++
$ 87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	60.273	57.273-63.273	+++++	+++++
$ 88 Dibenz(a,h)anthracene-	+++++	+++++	+++++	+++++	+++++	+++++	+++++	78.600	75.600-81.600	+++++	+++++
$ 89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.841	47.841-53.841	+++++	+++++
90 N-Nitrosodimethylamine	4.759	4.767	4.767	4.767	4.767	4.767	4.775	4.767	1.767-7.767	4.767	0.004
91 Aniline	8.622	8.614	8.622	8.614	8.614	8.614	8.622	8.622	5.622-11.622	8.617	0.004
92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	56.160	53.160-59.160	+++++	+++++
93 Benzidine	20.939	20.954	20.939	20.946	20.939	20.939	+++++	20.939	17.939-23.939	20.943	0.006
$ 95 D10-1-methylnaphthalen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	52.075	49.075-55.075	+++++	+++++
96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	49.250	46.250-52.250	+++++	+++++
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	61.202	58.202-64.202	+++++	+++++
98 Retene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.133	16.133-22.133	+++++	+++++
99 Perylene	26.010	26.010	26.010	26.002	26.002	26.002	26.018	26.010	23.010-29.010	26.008	0.006
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	25.411	22.411-28.411	+++++	+++++
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	26.023	23.023-29.023	+++++	+++++
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	79.550	76.550-82.550	+++++	+++++
103 Pyridine	4.782	4.813	4.782	4.797	4.790	4.797	4.775	4.782	1.782-7.782	4.791	0.013
188 2,6-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.874	8.874-14.874	+++++	+++++
189 N-Nitrosomethylethylam	+++++	+++++	+++++	+++++	+++++	+++++	+++++	5.818	2.818-8.818	+++++	+++++

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Calibration File Names:
Level 1: \\target\share\chem3\nt10.i\20201013.b\NT1020101304.D
Level 2: \\target\share\chem3\nt10.i\20201013.b\NT1020101306.D
Level 3: \\target\share\chem3\nt10.i\20201013.b\NT1020101309.D
Level 4: \\target\share\chem3\nt10.i\20201013.b\NT1020101307.D
Level 5: \\target\share\chem3\nt10.i\20201013.b\NT1020101302.D
Level 6: \\target\share\chem3\nt10.i\20201013.b\NT1020101305.D
Level 7: \\target\share\chem3\nt10.i\20201013.b\NT1020101313.D

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
186 Carbaryl	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
179 n-Decane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
180 n-Octadecane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
169 4-tert-Butylphenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
170 N,N-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
171 2,3-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
172 2,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
173 2,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
174 2,6-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
175 3,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
176 3,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
177 p-Benzoquinone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
168 Pentachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
147 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
148 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
149 TCMX	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
150 DCBP	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
138 Chlorobenzilate	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 Isodrin	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 Diallate A	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 Diallate B	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
142 1,2-Dibromo-3-Chloropropane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 2,3,5,6-Tetrachlorophenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
136 2,3,4,5-tetrachlorophenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
133 Butylatedhydroxytoluene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
132 3,6-Dimethylphenanthrene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
131 1-Methylphenanthrene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
130 Dibenzothiophene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
129 1-Methylfluorene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
128 N-Hexadecane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
127 2-Isopropylnaphthalene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
126 N-Tetradecane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
144 alpha-Terpineol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
125 Safrole	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
124 3,4-Dimethylphenol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
123 Acetophenone	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
122 Furfuraldehyde	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
143 1,4-Dioxane	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000 <-
121 Quinoline	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000 <-
120 2,3,4,6-Tetrachlorophenol	4226	11985	27702	71311	144318	288996					
	459866						QUAD	0.000e+000	1.79361	0.06770	0.99968
178 2-Benzyl-4-Chlorophenol	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000 <-
119 7,12-Dimethylbenz(a)anthracen	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000 <-
118 Triphenyl Phosphate	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000 <-
117 Butyl Diphenyl Phosphate	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
116 Dibutyl Phenyl Phosphate	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
115 Tributyl Phosphate	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
114 Beta-Pinene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
113 Diphenyl Oxide	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
112 Biphenyl	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
111 Azobenzene (1,2-DP-Hydrazine)	1.32350 / 1.08660	1.36210	1.30925	1.27525	1.23350	1.15902	AVRG		1.24989		7.82294	
110 Tetrachloroguaiacol	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
109 3,4,5-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
181 3,4,6-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
108 4,5,6-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
184 3,4-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
107 4,5-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
182 4,6-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
185 4-Chloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
106 Guaiacol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
105 1-methylnaphthalene	0.78766	0.82583	0.84286	0.89088	0.91383	0.92721						
	0.90743						AVRG		0.87081		6.02085	
151 1,2,4,5-Tetrachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
152 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
153 Chlorpyrifos	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
154 Diazinon	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
155 Kelthane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
156 Methyl Parathion	#####	#####	#####	#####	#####	#####						
	#####						AVRG		0.000e+000		0.000e+000	<-
157 Ethyl Parathion	#####	#####	#####	#####	#####	#####						
	#####						AVRG		0.000e+000		0.000e+000	<-
158 Ethion	#####	#####	#####	#####	#####	#####						
	#####						AVRG		0.000e+000		0.000e+000	<-
159 4-Nonylphenol	#####	#####	#####	#####	#####	#####						
	#####						AVRG		0.000e+000		0.000e+000	<-
160 Tetraethyl Tin	#####	#####	#####	#####	#####	#####						
	#####						AVRG		0.000e+000		0.000e+000	<-
161 1,2,3-Trichloronaphthalene	#####	#####	#####	#####	#####	#####						
	#####						AVRG		0.000e+000		0.000e+000	<-
162 1,2,3,4-Tetrachloronapthalene	#####	#####	#####	#####	#####	#####						
	#####						AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
163 1,2,3,5,8-Pentachloronaphthal	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
164 1,2,3,4,6,7-Hexachloronaphtha	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
165 1,2,3,4,5,6,7-Heptachloronaph	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
166 Octachloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
167 2,2',4,4',5-Pentabromobipheny	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
3 Phenol	1.24060	1.45295	1.57409	1.60310	1.62853	1.58302						
	1.41786						AVRG		1.50002		9.26089	
4 Bis(2-Chloroethyl)ether	1.32190	1.27492	1.25332	1.26369	1.22461	1.18085						
	1.11445						AVRG		1.23339		5.52445	

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
6 2-Chlorophenol	1.34433	1.42050	1.56330	1.50997	1.54184	1.50346					
	1.38958						AVRG		1.46757		5.65001
7 1,3-Dichlorobenzene	1.93929	1.70327	1.77563	1.70034	1.70182	1.61643					
	1.52075						AVRG		1.70822		7.61906
9 1,4-Dichlorobenzene	1.49848	1.41195	1.45194	1.43769	1.46428	1.42918					
	1.36049						AVRG		1.43629		3.01968
11 Benzyl alcohol	3614	10937	22437	61554	107783	204818					
	330025						QUAD	0.000e+000	1.25672	0.01224	0.99990
12 1,2-Dichlorobenzene	1.56012	1.56501	1.59007	1.51633	1.53180	1.47270					
	1.38460						AVRG		1.51723		4.59908
13 2-Methylphenol	0.88228	0.96640	1.03669	1.06908	1.08570	1.07212					
	0.99615						AVRG		1.01549		7.19028
14 2,2'-oxybis(1-Chloropropane)	0.46932	0.45879	0.46262	0.45785	0.45891	0.46226					
	0.44139						AVRG		0.45873		1.86908

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
15 4-Methylphenol	0.86367	1.01181	1.13131	1.15769	1.18614	1.14853					
	1.07482						AVRG		1.08200		10.40706
16 N-Nitroso-di-n-propylamine	0.66266	0.63782	0.62082	0.63674	0.66089	0.65831					
	0.61644						AVRG		0.64196		2.98070
17 Hexachloroethane	0.52765	0.55431	0.52804	0.54461	0.56367	0.58566					
	0.57404						AVRG		0.55400		4.00536
19 Nitrobenzene	0.33433	0.31332	0.32234	0.32301	0.32740	0.32776					
	0.30456						AVRG		0.32182		3.09363
20 Isophorone	0.59566	0.60306	0.62856	0.63809	0.68087	0.77852					
	0.73447						AVRG		0.66560		10.38331
21 2-Nitrophenol	0.20860	0.22742	0.25933	0.25994	0.27641	0.28541					
	0.26949						AVRG		0.25523		10.78829
22 2,4-Dimethylphenol	0.29785	0.33463	0.36734	0.33642	0.32544	0.31242					
	0.27118						AVRG		0.32075		9.59337

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
23 Bis(2-Chloroethoxy)methane	0.39270	0.39397	0.39905	0.36158	0.33107	0.34217					
	0.32081						AVRG		0.36305		8.97901
24 Benzoic acid	+++++	21723	44980	175265	373350	753276					
	1192911						QUAD	0.000e+000	4.71795	0.09133	0.99881
25 2,4-Dichlorophenol	0.30028	0.36360	0.40210	0.39374	0.41752	0.40289					
	0.36558						AVRG		0.37796		10.47883
26 1,2,4-Trichlorobenzene	0.48242	0.44336	0.43488	0.41514	0.40130	0.37455					
	0.34641						AVRG		0.41401		10.92136
28 Naphthalene	0.95450	0.99566	1.02901	1.00769	1.04061	1.04653					
	1.00119						AVRG		1.01074		3.12811
29 4-Chloroaniline	0.40145	0.35888	0.45132	0.47641	0.48098	0.49481					
	0.47676						AVRG		0.44866		11.15527
30 Hexachlorobutadiene	0.26632	0.24675	0.25570	0.24462	0.24850	0.23847					
	0.22238						AVRG		0.24611		5.57702

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
31 4-Chloro-3-methylphenol	+++++	0.24991	0.29633	0.32300	0.34524	0.35271					
	0.32940						AVRG		0.31610		11.99316
32 2-Methylnaphthalene	0.83545	0.87398	0.89173	0.95531	0.96475	1.00576					
	0.97763						AVRG		0.92923		6.72004
33 Hexachlorocyclopentadiene	+++++	0.51982	0.55119	0.58541	0.59384	0.59113					
	0.55702						AVRG		0.56640		5.12624
34 2,4,6-Trichlorophenol	0.43922	0.46819	0.52021	0.54387	0.55255	0.54749					
	0.50452						AVRG		0.51086		8.47629
35 2,4,5-Trichlorophenol	0.51306	0.53812	0.53952	0.60155	0.62021	0.59657					
	0.55281						AVRG		0.56598		7.06452
37 2-Chloronaphthalene	1.60472	1.59907	1.69819	1.65843	1.64830	1.63518					
	1.54300						AVRG		1.62670		3.06432
38 2-Nitroaniline	0.21630	0.26045	0.26820	0.29757	0.30012	0.30021					
	0.28364						AVRG		0.27521		11.05540

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
39 Dimethylphthalate	1.66877	1.66650	1.73759	1.61234	1.56686	1.41510					
	1.26600						AVRG		1.56188		10.61438
40 Acenaphthylene	2.97492	2.75785	2.78484	2.33127	2.47721	2.08003					
	+++++						AVRG		2.56769		12.92903
41 2,6-Dinitrotoluene	0.37008	0.35874	0.38509	0.37599	0.36541	0.34740					
	0.31894						AVRG		0.36024		6.06249
43 3-Nitroaniline	0.34894	0.39375	0.39392	0.41725	0.40579	0.40585					
	0.38646						AVRG		0.39314		5.59391
44 Acenaphthene	1.31017	1.26006	1.30559	1.30082	1.33594	1.31834					
	1.25327						AVRG		1.29774		2.33447
45 2,4-Dinitrophenol	1904	7611	26419	115591	277857	581849					
	940445						QUAD	0.000e+000	3.76262	0.01438	0.99852
46 Dibenzofuran	1.93334	2.00240	2.00819	2.11446	2.10061	2.08421					
	1.98388						AVRG		2.03244		3.34451

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
47 4-Nitrophenol	+++++	0.09433	0.11339	0.11989	0.12936	0.14104					
	0.13017						AVRG		0.12136		13.41391
48 2,4-Dinitrotoluene	0.41563	0.45334	0.46385	0.49030	0.52303	0.50518					
	0.47936						AVRG		0.47581		7.47213
49 Fluorene	1.74450	1.90191	1.74973	1.67749	1.64292	1.54583					
	1.41318						AVRG		1.66794		9.41072
50 Diethylphthalate	1.43883	1.47821	1.51016	1.43624	1.41437	1.28365					
	1.16384						AVRG		1.38933		8.80518
51 4-Chlorophenyl-phenylether	0.91504	0.91284	0.92753	0.86919	0.86521	0.81407					
	0.75300						AVRG		0.86527		7.28781
52 4-Nitroaniline	0.42392	0.46774	0.49356	0.51435	0.52883	0.51077					
	0.48129						AVRG		0.48864		7.22091
53 4,6-Dinitro-2-methylphenol	+++++	0.13517	0.17286	0.19714	0.20873	0.20385					
	0.18971						AVRG		0.18458		14.77258

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
54 N-Nitrosodiphenylamine	0.57434	0.54470	0.56964	0.52877	0.50137	0.45100					
	0.42518						AVRG		0.51357		11.21742
56 4-Bromophenyl-phenylether	0.40745	0.39013	0.41691	0.41943	0.41011	0.39751					
	0.38302						AVRG		0.40351		3.39612
57 Hexachlorobenzene	0.45886	0.43975	0.45528	0.41812	0.38270	0.35478					
	0.32469						AVRG		0.40488		12.86439
58 Pentachlorophenol	+++++	11380	29290	88018	182992	356945					
	555823						QUAD	0.000e+000	5.62523	0.38066	0.99961
60 Phenanthrene	1.07993	1.00323	1.08270	1.05780	1.06938	1.05588					
	1.02911						AVRG		1.05401		2.72466
61 Anthracene	1.09318	1.06022	1.16066	1.17385	1.20262	1.18160					
	1.13380						AVRG		1.14370		4.47578
62 Carbazole	1.08650	1.04754	1.15260	1.15133	1.20834	1.21931					
	1.15400						AVRG		1.14566		5.36079

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
63 Di-n-butylphthalate	1.32285	1.24971	1.36460	1.42972	1.51226	1.51104					
	1.46297						AVRG		1.40759		7.05502
64 Fluoranthene	1.76522	1.71574	1.78653	1.81532	1.88708	1.94009					
	1.98645						AVRG		1.84235		5.34329
65 Pyrene	1.89625	1.76316	1.87235	1.88903	1.92256	2.01292					
	1.97616						AVRG		1.90463		4.20765
67 Butylbenzylphthalate	0.66528	0.63173	0.60867	0.59685	0.58462	0.55767					
	0.52487						AVRG		0.59567		7.78258
68 Benzo(a)anthracene	1.80698	1.65989	1.66500	1.57082	1.54817	1.50557					
	1.40579						AVRG		1.59460		8.12112
70 3,3'-Dichlorobenzidine	0.58816	0.61317	0.60940	0.63655	0.64657	0.65727					
	0.62391						AVRG		0.62500		3.79813
71 Chrysene	1.21831	1.21487	1.21638	1.20116	1.24106	1.23907					
	1.18875						AVRG		1.21709		1.54492

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
72 bis(2-Ethylhexyl)phthalate	0.45584	0.47209	0.48193	0.48681	0.49116	0.45831					
	0.46021						AVRG		0.47234		3.08241
73 Di-n-octylphthalate	1.07754	1.03902	1.08169	1.06695	1.05249	1.02600					
	1.00360						AVRG		1.04962		2.72397
74 Benzo(b)fluoranthene	1.48937	1.48263	1.44302	1.44031	1.58547	1.49492					
	1.51022						AVRG		1.49228		3.26485
75 Benzo(k)fluoranthene	1.78748	1.65124	1.67027	1.64478	1.44804	1.42571					
	1.29057						AVRG		1.55973		11.18413
187 Total Benzofluoranthenes	1.63183	1.51480	1.50559	1.46993	1.45077	1.39550					
	1.33138						AVRG		1.47140		6.48229
76 Benzo(a)pyrene	1.49557	1.37083	1.34314	1.34642	1.36001	1.33335					
	1.26776						AVRG		1.35958		5.04082
78 Indeno(1,2,3-cd)pyrene	1.48844	1.38965	1.36100	1.29327	1.26088	1.15353					
	1.09263						AVRG		1.29134		10.61656

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
79 Dibenzo(a,h)anthracene	1.14622	1.12039	1.13162	1.04569	1.00194	0.90732					
	0.84025						AVRG		1.02763		11.51779
80 Benzo(g,h,i)perylene	1.20703	1.15542	1.18227	1.11649	1.10543	1.03395					
	0.99385						AVRG		1.11349		6.95199
90 N-Nitrosodimethylamine	0.52626	0.55009	0.62998	0.69076	0.69348	0.71273					
	0.64407						AVRG		0.63534		11.44243
91 Aniline	1.18008	1.22632	1.17883	1.18996	1.15701	1.10992					
	1.04368						AVRG		1.15511		5.23446
92 1,2-Diphenylhydrazine	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000 <-
93 Benzidine	85269	141870	223310	525731	965060	1984045					
	#####						QUAD	0.000e+000	1.25014	-0.14244	0.99046
96 p-Cymene	#####	#####	#####	#####	#####	#####					
	#####						AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
98 Retene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
99 Perylene	1.01989	1.06385	1.08885	1.08072	1.09880	1.08150						
	1.05595						AVRG		1.06994		2.46632	
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
103 Pyridine	0.96476	0.88238	1.06131	1.06510	1.06776	1.05733						
	+++++						AVRG		1.01644		7.53495	

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
188 2,6-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
189 N-Nitrosomethylethylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
$ 1 2-Fluorophenol	0.91030	1.08654	1.21286	1.24399	1.26227	1.23065						
	1.13057						AVRG		1.15388		10.82723	
$ 137 d8-1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000	<-
$ 2 Phenol-d5	1.21825	1.30976	1.45030	1.58936	1.71464	1.77596						
	1.66778						AVRG		1.53229		13.82119	
$ 5 2-Chlorophenol-d4	1.33245	1.35538	1.44257	1.43954	1.46653	1.44577						
	1.50799						AVRG		1.42718		4.33278	
$ 10 1,2-Dichlorobenzene-d4	0.99063	0.94774	0.96664	0.97388	1.00299	0.99784						
	0.92567						AVRG		0.97220		2.89166	

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1 / 20.0000 Level 7	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 18 Nitrobenzene-d5	0.29322	0.30017	0.30986	0.30821	0.32324	0.32740					
	0.30218						AVRG		0.30919		3.99631
$ 36 2-Fluorobiphenyl	1.93382	1.81275	1.87340	1.78381	1.83730	1.76074					
	1.62523						AVRG		1.80386		5.40768
$ 55 2,4,6-Tribromophenol	0.30433	0.31351	0.33283	0.34058	0.36750	0.36273					
	0.34148						AVRG		0.33757		6.90460
$ 66 Terphenyl-d14	1.46612	1.37111	1.40550	1.31337	1.24833	1.16938					
	+++++						AVRG		1.32897		8.15010
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
$ 86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
$ 87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Compound	0.2000000 Level 1	0.5000000 Level 2	1.0000 Level 3	2.5000 Level 4	5.0000 Level 5	10.0000 Level 6	20.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2	
$ 88 Dibenz(a,h)anthracene-d14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
$ 89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
$ 95 D10-1-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2020 09:55
End Cal Date : 13-OCT-2020 16:56
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Last Edit : 14-Oct-2020 10:58 yev

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

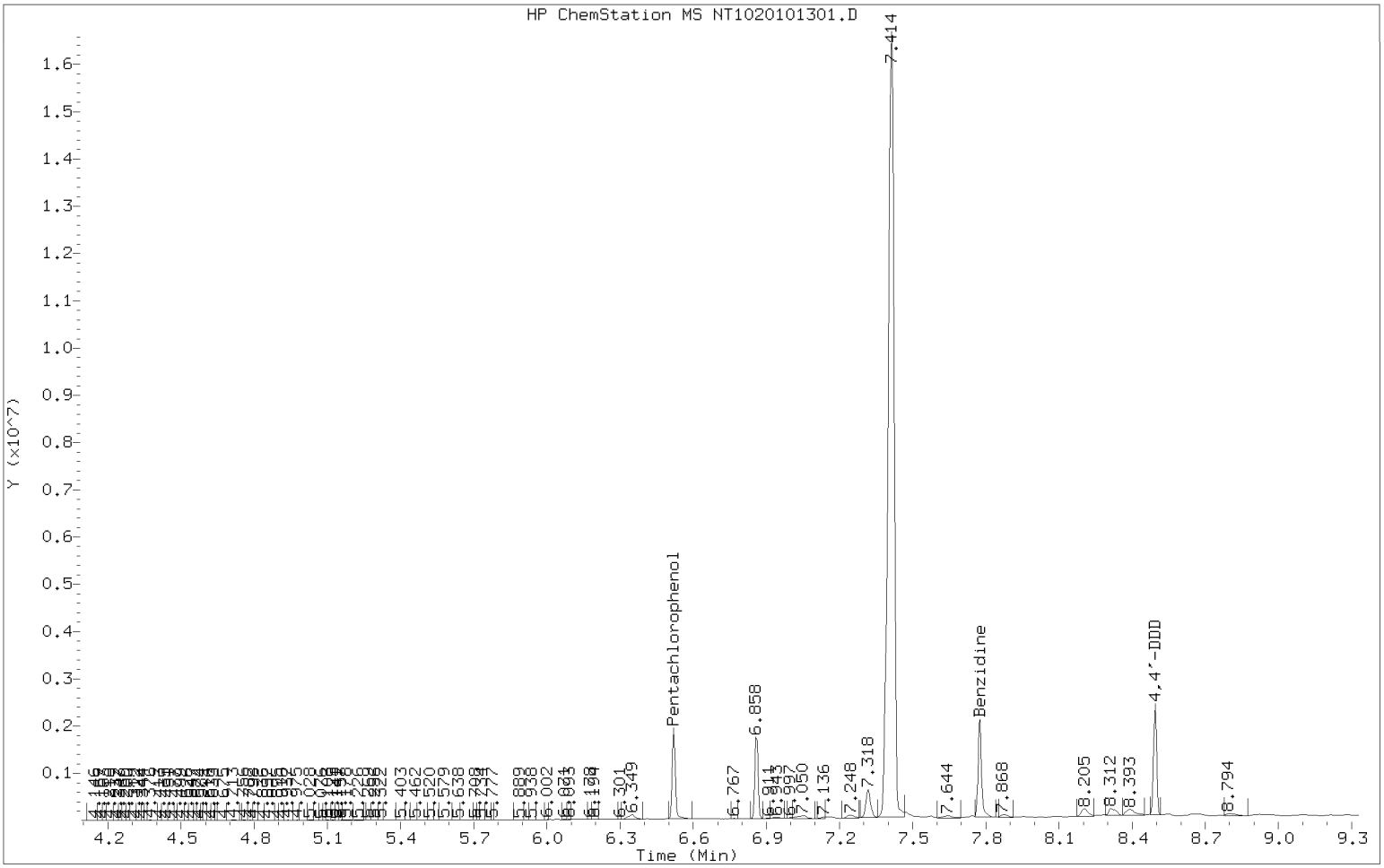
Security Status Report

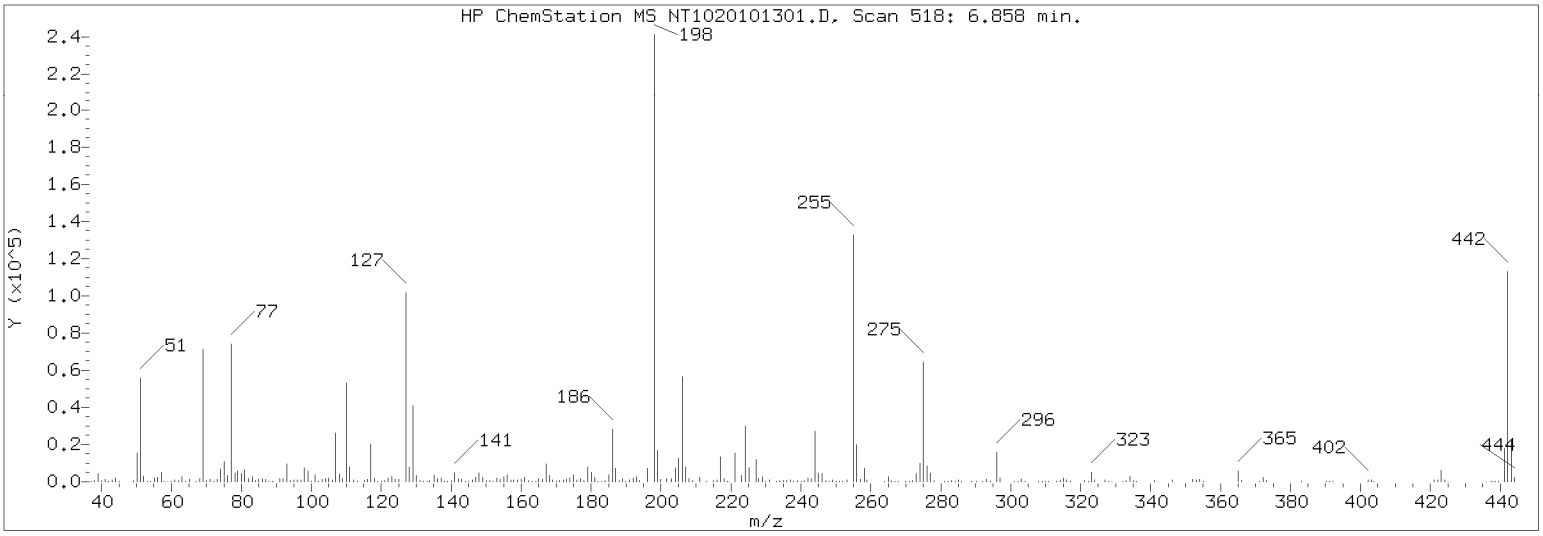
Date: 14-Oct-2020 16:38

NT1020101301.D	Data Locked	yev, 14-
NT1020101302.D	Data Locked	yev, 14-
NT1020101303.D	Data Locked	yev, 14-
NT1020101304.D	Data Locked	yev, 14-
NT1020101305.D	Data Locked	yev, 14-
NT1020101306.D	Data Locked	yev, 14-
NT1020101307.D	Data Locked	yev, 14-
NT1020101308.D	Data Locked	yev, 14-
NT1020101309.D	Data Locked	yev, 14-
NT1020101310.D	Data Locked	yev, 14-
NT1020101311.D	Data Locked	yev, 14-
NT1020101312.D	Data Locked	yev, 14-
NT1020101313.D	Data Locked	yev, 14-
NT1020101314.D	Data Locked	yev, 14-
NT1020101315.D	Data Locked	yev, 14-
NT1020101316.D	Data Locked	yev, 14-
NT1020101317.D	Data Locked	yev, 14-
NT1020101318.D	Data Locked	yev, 14-
NT1020101319.D	Data Locked	yev, 14-
NT1020101320.D	Data Locked	yev, 14-
NT1020101321.D	Data Locked	yev, 14-
NT1020101322.D	Data Locked	yev, 14-
NT1020101323.D	Data Locked	yev, 14-
NT1020101324.D	Data Locked	yev, 14-
NT1020101325.D	Data Locked	yev, 14-
NT1020101326.D	Data Locked	yev, 14-
NT1020101327.D	Data Locked	yev, 14-
NT1020101328.D	Data Locked	yev, 14-
NT1020101329.D	Data Locked	yev, 14-
NT1020101330.D	Data Locked	yev, 14-

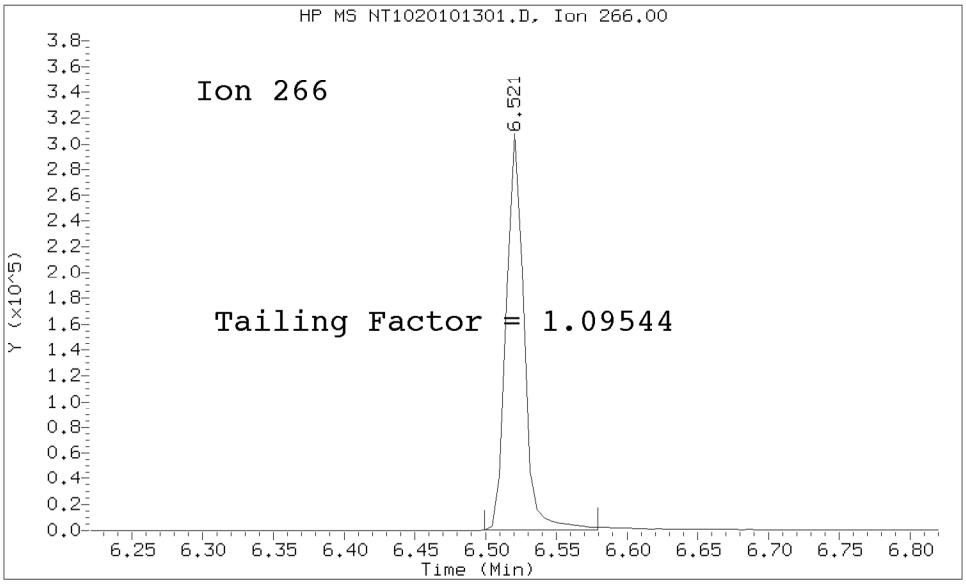
DFTPP TAILING FACTOR AND BREAKDOWN GRAPHIC REPORT

Datafile Analyzed: /20201013.b/NT1020101301.D/NT1020101301.D
Method Used: \20201013.b\DFTPP8270E.m Inst: nt10
Injection Date: 13-OCT-2020 09:39 Operator: VTS
Sample Info: SIJ0179-TUN1 SIJ0179-TUN1
Report Date: 10/13/2020 10:06



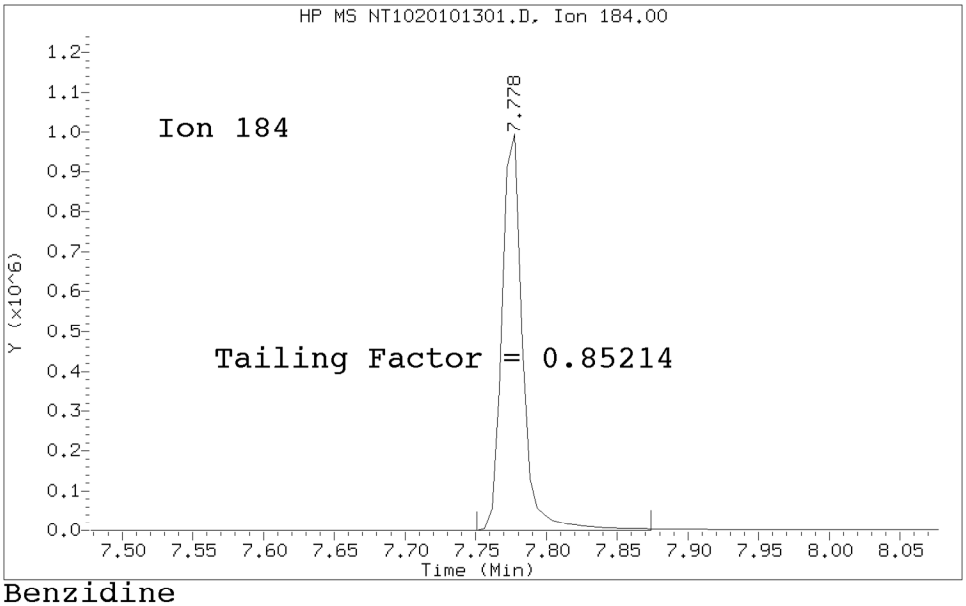


Datafile Analyzed: /20201013.b/NT1020101301.D/NT1020101301.D
Method Used: \20201013.b\DFTPP8270E.m\sw846ddt.m Inst: nt10
Injection Date: 13-OCT-2020 09:39 Operator: JZ
Sample Info: SIJ0179-TUN1
Report Date: 10/13/2020 10:06



Pentachlorophenol
==========
Exp. RT = 6.537
Found RT = 6.521

Tail Factor = 1.095 Maximum Allowed = 2.0



Benzidine
==========
Exp. RT = 7.794
Found RT = 7.778

Tail Factor = 0.852 Maximum Allowed = 2.0

8270 TAILING FACTOR/BREAKDOWN SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	1.0954357	2.000	PASS
Benzidine	0.8521358	2.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test	
4,4-DDT	489872			N/A	
4,4-DDE	0	0.0	20.0	PASS	
4,4-DDD	489872	50.0	20.0	FAIL	[Failure]
4,4-DDD + DDE	489872	50.0	20.0	FAIL	[Failure]

Tuning Sample, nt10.i/20201013.b/NT1020101301.D, *** FAILED ***

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
68	Less than 2.00% of mass 69	0.29 (1.08)
69	Mass 69 relative abundance	27.15
70	Less than 2.00% of mass 69	0.08 (0.29)
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.64
365	1.00 - 100.00% of mass 198	2.55
441	Less than 150.00% of mass 443	8.46 (77.99)
442	Less than 200.00% of mass 198	53.86
443	15.00 - 24.00% of mass 442	10.84 (20.13)

Data File: NT1020101301.D
Spectrum: Avg. Scans 517-519 (6.86), Background Scan 512
Location of Maximum: 198.00
Number of points: 293

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	251	125.00	784	203.00	1338	291.00	100
38.00	556	127.00	77448	204.00	6116	292.00	147
39.00	3250	128.00	6080	205.00	10202	293.00	1120
40.00	218	129.00	30696	206.00	44432	294.00	280
42.00	32	130.00	2261	207.00	5295	295.00	251
44.00	30	131.00	585	208.00	1135	296.00	12584
45.00	10	132.00	404	209.00	443	297.00	1836
49.00	504	133.00	174	210.00	234	298.00	75
50.00	11549	134.00	689	211.00	1906	301.00	152
51.00	42392	135.00	2269	215.00	575	302.00	283
52.00	2277	136.00	1106	216.00	923	303.00	1410
53.00	283	137.00	958	217.00	11487	304.00	480
54.00	51	138.00	151	218.00	1323	308.00	158
56.00	1267	139.00	41	219.00	316	309.00	160
57.00	2796	140.00	471	220.00	71	310.00	132
58.00	268	141.00	3601	221.00	12871	311.00	58
61.00	534	142.00	1369	223.00	3102	314.00	615
62.00	670	143.00	723	224.00	24568	315.00	1721
63.00	2077	144.00	223	225.00	6384	316.00	947
64.00	243	145.00	305	226.00	488	317.00	168
65.00	886	146.00	782	227.00	9400	321.00	410
68.00	566	147.00	1734	228.00	1307	322.00	227
69.00	52352	148.00	3707	229.00	2098	323.00	4206
70.00	154	149.00	1904	230.00	370	324.00	794
73.00	560	150.00	482	231.00	897	326.00	77
74.00	5188	151.00	413	232.00	143	327.00	946
75.00	7956	152.00	396	233.00	245	328.00	397
76.00	2871	153.00	1287	234.00	686	329.00	205
77.00	55624	154.00	1029	235.00	721	332.00	370
78.00	3741	155.00	2145	236.00	560	333.00	532
79.00	3927	156.00	3105	237.00	720	334.00	2688
80.00	3259	157.00	883	238.00	157	335.00	657
81.00	4201	158.00	852	239.00	418	336.00	66
82.00	927	159.00	664	240.00	331	341.00	570
83.00	962	160.00	1114	241.00	561	342.00	110
84.00	239	161.00	1975	242.00	1541	346.00	834
85.00	384	162.00	529	243.00	1596	347.00	55
86.00	1228	163.00	59	244.00	21360	351.00	57
87.00	665	164.00	225	245.00	3344	352.00	1321
88.00	231	165.00	1340	246.00	3707	353.00	884
89.00	142	166.00	1273	247.00	841	354.00	1145
91.00	1118	167.00	7438	248.00	191	355.00	222
92.00	1154	168.00	2658	249.00	818	359.00	58
93.00	6887	169.00	507	250.00	237	365.00	4911
94.00	625	170.00	312	251.00	265	366.00	593
95.00	159	171.00	318	252.00	252	371.00	313
96.00	207	172.00	748	253.00	360	372.00	1988
97.00	230	173.00	950	255.00	105880	373.00	466
98.00	5173	174.00	1713	256.00	15847	383.00	452

99.00	3918	175.00	2787	257.00	1178	384.00	72
100.00	378	176.00	1043	258.00	5796	390.00	246
101.00	2569	177.00	1445	259.00	829	391.00	145
102.00	262	178.00	516	260.00	84	392.00	128
103.00	723	179.00	5923	261.00	194	401.00	68
104.00	1475	180.00	4238	264.00	129	402.00	833
105.00	1422	181.00	1937	265.00	2395	403.00	818
106.00	705	182.00	396	266.00	136	404.00	349
107.00	19792	183.00	237	269.00	108	421.00	917
108.00	3068	184.00	634	270.00	52	422.00	801
109.00	1144	185.00	2910	271.00	320	423.00	5640
110.00	39808	186.00	22712	272.00	391	424.00	1076
111.00	5318	187.00	6331	273.00	3696	425.00	114
112.00	415	188.00	656	274.00	8450	436.00	110
113.00	152	189.00	1391	275.00	52160	437.00	155
115.00	174	190.00	307	276.00	7313	438.00	173
116.00	1277	191.00	664	277.00	3932	439.00	206
117.00	14981	192.00	1775	278.00	592	441.00	16304
118.00	1251	193.00	2086	282.00	77	442.00	103864
119.00	149	194.00	611	283.00	346	443.00	20904
120.00	310	196.00	5799	284.00	367	444.00	1964
121.00	120	198.00	192832	285.00	751	445.00	50
122.00	1582	199.00	12810	286.00	123		
123.00	2305	200.00	1071	289.00	176		
124.00	946	201.00	1299	290.00	143		

Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101302.D

Page 1

Date : 13-OCT-2020 09:55

Client ID:

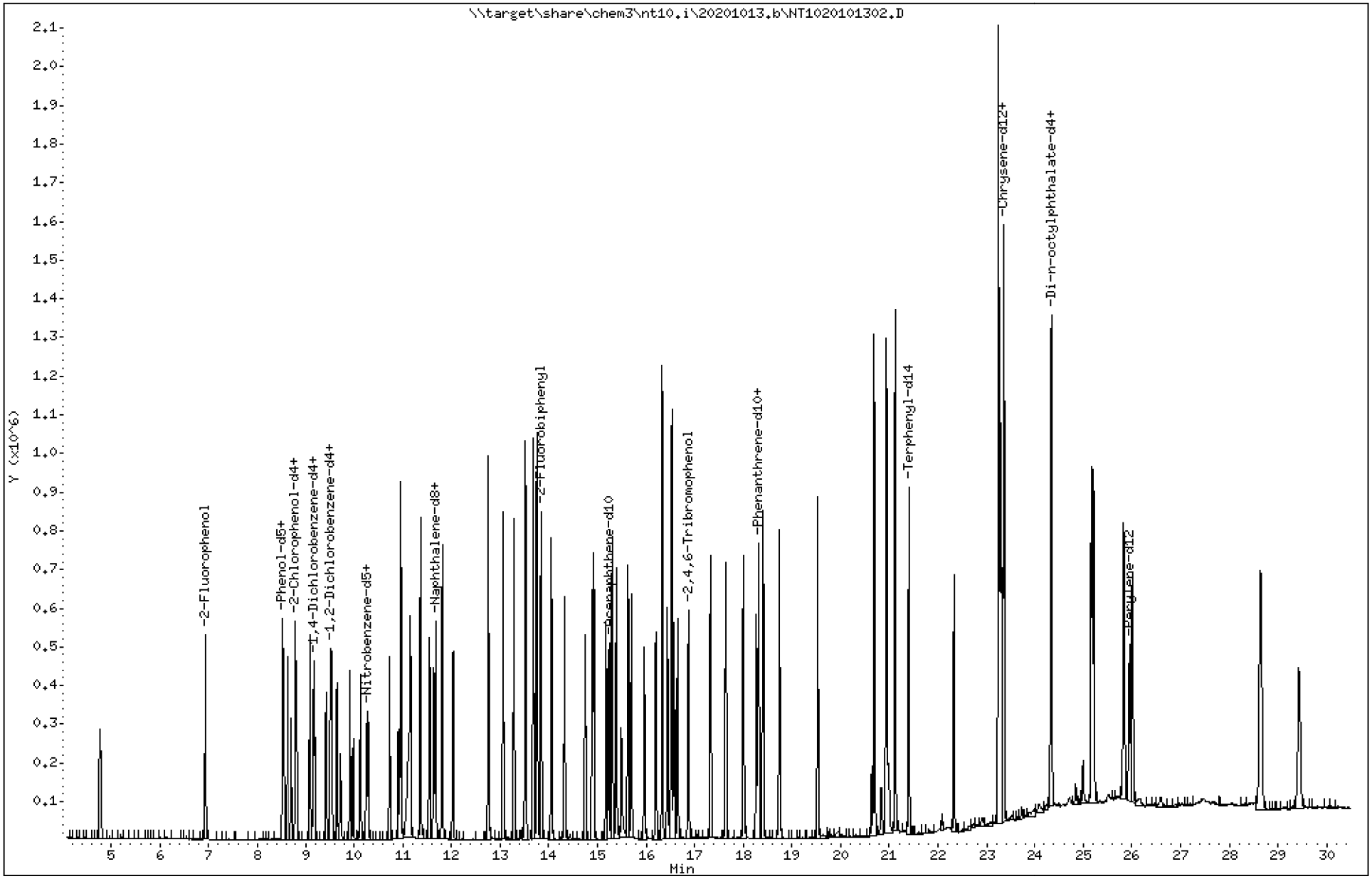
Instrument: nt10.i

Sample Info: SIJ0179-CAL5

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201013.b\NT1020101302.D
Lab Smp Id: SIJ0179-CAL5
Inj Date : 13-OCT-2020 09:55
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0179-CAL5
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Meth Date : 14-Oct-2020 11:16 yev Quant Type: ISTD
Cal Date : 13-OCT-2020 16:56 Cal File: NT1020101313.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	6.929	6.929	(0.757)	260847	7.50000	8.204
$ 2 Phenol-d5	99	8.513	8.513	(0.930)	354330	7.50000	8.393
3 Phenol	94	8.537	8.536	(0.932)	224357	5.00000	5.428
$ 5 2-Chlorophenol-d4	132	8.791	8.799	(0.960)	303057	7.50000	7.707
4 Bis(2-Chloroethyl)ether	93	8.706	8.706	(0.951)	168710	5.00000	4.964
6 2-Chlorophenol	128	8.822	8.822	(0.964)	212413	5.00000	5.253
7 1,3-Dichlorobenzene	146	9.093	9.093	(0.993)	234454	5.00000	4.981
* 8 1,4-Dichlorobenzene-d4	152	9.155	9.163	(1.000)	110213	4.00000	
9 1,4-Dichlorobenzene	146	9.186	9.186	(1.003)	201729	5.00000	5.097
$ 10 1,2-Dichlorobenzene-d4	152	9.520	9.520	(1.040)	138178	5.00000	5.158
12 1,2-Dichlorobenzene	146	9.543	9.543	(1.042)	211030	5.00000	5.048
11 Benzyl alcohol	108	9.427	9.427	(1.030)	107783	5.00000	4.963
14 2,2'-oxybis(1-Chloropropane)	121	9.722	9.722	(1.062)	63222	5.00000	5.002
13 2-Methylphenol	108	9.652	9.644	(1.054)	149573	5.00000	5.346
17 Hexachloroethane	117	10.133	10.133	(1.107)	77655	5.00000	5.087
16 N-Nitroso-di-n-propylamine	70	9.986	9.986	(1.091)	91048	5.00000	5.147
15 4-Methylphenol	108	9.916	9.916	(1.083)	163410	5.00000	5.481
$ 18 Nitrobenzene-d5	82	10.258	10.257	(0.882)	149533	5.00000	5.227
19 Nitrobenzene	77	10.289	10.288	(0.884)	151459	5.00000	5.087
20 Isophorone	82	10.731	10.731	(0.922)	314973	5.00000	5.115
21 2-Nitrophenol	139	10.919	10.918	(0.938)	127867	5.00000	5.415
22 2,4-Dimethylphenol	107	10.961	10.961	(0.942)	301098	10.0000	10.15
23 Bis(2-Chloroethoxy)methane	93	11.156	11.156	(0.959)	153156	5.00000	4.560
24 Benzoic acid	105	11.156	11.148	(0.959)	373350	20.0000	19.41
25 2,4-Dichlorophenol	162	11.360	11.360	(0.976)	386296	10.0000	11.05
26 1,2,4-Trichlorobenzene	180	11.550	11.550	(0.993)	185642	5.00000	4.846
* 27 Naphthalene-d8	136	11.635	11.635	(1.000)	370084	4.00000	
28 Naphthalene	128	11.681	11.673	(1.004)	481390	5.00000	5.148
29 4-Chloroaniline	127	11.812	11.812	(1.015)	445012	10.0000	10.72
30 Hexachlorobutadiene	225	12.037	12.029	(1.035)	114959	5.00000	5.049
31 4-Chloro-3-methylphenol	107	12.756	12.756	(1.096)	319416	10.0000	10.92
32 2-Methylnaphthalene	142	13.066	13.066	(1.123)	446297	5.00000	5.191
33 Hexachlorocyclopentadiene	237	13.523	13.522	(0.887)	319110	10.0000	10.48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
34	2,4,6-Trichlorophenol	196	13.685	13.685	(0.898)	296918	10.0000	10.82
35	2,4,5-Trichlorophenol	196	13.755	13.754	(0.903)	333276	10.0000	10.96
$ 36	2-Fluorobiphenyl	172	13.840	13.839	(0.908)	493648	5.00000	5.093
37	2-Chloronaphthalene	162	14.057	14.056	(0.922)	442866	5.00000	5.066
38	2-Nitroaniline	65	14.320	14.319	(0.940)	161273	10.0000	10.91
39	Dimethylphthalate	163	14.745	14.745	(0.968)	420985	5.00000	5.016
40	Acenaphthylene	152	14.923	14.923	(0.979)	665579	5.00000	4.824
41	2,6-Dinitrotoluene	165	14.893	14.892	(0.977)	196360	10.0000	10.14
* 42	Acenaphthene-d10	164	15.241	15.232	(1.000)	214945	4.00000	
43	3-Nitroaniline	138	15.179	15.171	(0.996)	218056	10.0000	10.32
44	Acenaphthene	153	15.302	15.302	(1.004)	358941	5.00000	5.147
45	2,4-Dinitrophenol	184	15.387	15.387	(1.010)	277857	20.0000	19.55
46	Dibenzofuran	168	15.627	15.627	(1.025)	564395	5.00000	5.168
47	4-Nitrophenol	109	15.488	15.488	(1.016)	69513	10.0000	10.66
48	2,4-Dinitrotoluene	165	15.697	15.696	(1.030)	281059	10.0000	10.99
50	Diethylphthalate	149	16.199	16.199	(1.063)	380014	5.00000	5.090
49	Fluorene	166	16.338	16.338	(1.072)	441421	5.00000	4.925
51	4-Chlorophenyl-phenylether	204	16.331	16.330	(1.072)	232466	5.00000	5.000
52	4-Nitroaniline	138	16.447	16.446	(1.079)	284171	10.0000	10.82
53	4,6-Dinitro-2-methylphenol	198	16.531	16.531	(0.905)	443945	20.0000	22.62
54	N-Nitrosodiphenylamine	169	16.578	16.577	(0.907)	266593	5.00000	4.881
$ 55	2,4,6-Tribromophenol	330	16.871	16.870	(1.107)	148109	7.50000	8.165
56	4-Bromophenyl-phenylether	248	17.333	17.325	(0.949)	218068	5.00000	5.082
57	Hexachlorobenzene	284	17.642	17.642	(0.966)	203491	5.00000	4.726
58	Pentachlorophenol	266	17.999	17.998	(0.985)	182992	10.0000	9.961
* 59	Phenanthrene-d10	188	18.269	18.261	(1.000)	425380	4.00000	
60	Phenanthrene	178	18.316	18.315	(1.003)	568614	5.00000	5.073
61	Anthracene	178	18.409	18.408	(1.008)	639462	5.00000	5.258
62	Carbazole	167	18.741	18.741	(1.026)	642507	5.00000	5.274
63	Di-n-butylphthalate	149	19.531	19.530	(1.069)	804105	5.00000	5.372
64	Fluoranthene	202	20.691	20.691	(0.888)	880318	5.00000	5.121
65	Pyrene	202	21.117	21.116	(0.906)	896867	5.00000	5.047
$ 66	Terphenyl-d14	244	21.403	21.403	(0.918)	582342	5.00000	4.697
67	Butylbenzylphthalate	149	22.324	22.324	(0.958)	272722	5.00000	4.907
68	Benzo(a)anthracene	228	23.277	23.276	(0.999)	722217	5.00000	4.854
* 69	Chrysene-d12	240	23.308	23.307	(1.000)	373197	4.00000	
70	3,3'-Dichlorobenzidine	252	23.238	23.238	(0.997)	904871	15.0000	15.52
71	Chrysene	228	23.354	23.346	(1.002)	578950	5.00000	5.098
72	bis(2-Ethylhexyl)phthalate	149	23.346	23.346	(0.959)	347723	5.00000	5.199
* 134	Di-n-octylphthalate-d4	153	24.337	24.337	(1.000)	566375	4.00000	
73	Di-n-octylphthalate	149	24.345	24.345	(1.000)	745133	5.00000	5.014
74	Benzo(b)fluoranthene	252	25.173	25.173	(0.970)	775156	5.00000	5.312
75	Benzo(k)fluoranthene	252	25.212	25.220	(0.971)	707963	5.00000	4.642
76	Benzo(a)pyrene	252	25.832	25.831	(0.995)	664926	5.00000	5.002
* 77	Perylene-d12	264	25.956	25.947	(1.000)	391129	4.00000	
78	Indeno(1,2,3-cd)pyrene	276	28.629	28.637	(1.103)	616459	5.00000	4.882
79	Dibenzo(a,h)anthracene	278	28.653	28.660	(1.104)	489862	5.00000	4.875
80	Benzo(g,h,i)perylene	276	29.429	29.437	(1.134)	540455	5.00000	4.964
90	N-Nitrosodimethylamine	74	4.759	4.766	(0.520)	191076	10.0000	10.92
91	Aniline	93	8.621	8.621	(0.942)	318793	10.0000	10.02
93	Benzidine	184	20.939	20.938	(0.898)	965060	10.0000	9.121
103	Pyridine	79	4.782	4.782	(0.522)	147101	5.00000	5.252
105	1-methylnaphthalene	142	13.283	13.290	(1.142)	422744	5.00000	5.247
111	Azobenzene (1,2-DP-Hydrazine)	77	16.655	16.654	(1.093)	331418	5.00000	4.934

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.173	25.220	(0.970)	1418592	10.0000	9.860
99 Perylene	252	26.010	26.009	(1.002)	537215	5.00000	5.135
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	15.967	15.967	(1.048)	144318	5.00000	4.939

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020101302.D
Lab Smp Id: SIJ0179-CAL5
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Misc Info:

Calibration Date: 13-OCT-2020
Calibration Time: 17:35
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	110213	55107	220426	110213	0.00
27 Naphthalene-d8	370084	185042	740168	370084	0.00
42 Acenaphthene-d10	214945	107473	429890	214945	0.00
59 Phenanthrene-d10	425380	212690	850760	425380	0.00
69 Chrysene-d12	373197	186599	746394	373197	0.00
134 Di-n-octylphthala	566375	283188	1132750	566375	0.00
77 Perylene-d12	391129	195565	782258	391129	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	0.00
27 Naphthalene-d8	11.64	11.14	12.14	11.64	0.00
42 Acenaphthene-d10	15.24	14.74	15.74	15.24	0.00
59 Phenanthrene-d10	18.27	17.77	18.77	18.27	0.00
69 Chrysene-d12	23.31	22.81	23.81	23.31	0.00
134 Di-n-octylphthala	24.34	23.84	24.84	24.34	0.00
77 Perylene-d12	25.96	25.46	26.46	25.96	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020101302.D

Lab ID: SIJ0179-CAL5
nt10.i, ABN.m, 13-OCT-2020 09:55

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
NONE			

RRT check based on Ccal File: NT1020101314.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20201013.b

Instrument: nt10.i Date: 13-OCT-2020 Method: ABN.m

INITIAL CAL: 12-OCT-2020

Compound	%RSD or R^2
Bis(2-Chloroethyl)ether	26.1
1,3-Dichlorobenzene	25.0
1,4-Dichlorobenzene	23.6
1,2-Dichlorobenzene	23.5
Benzyl alcohol	30.1
2,2'-oxybis(1-Chloropropane)	25.3
Hexachloroethane	24.2
N-Nitroso-di-n-propylamine	26.7
Nitrobenzene	24.6
Isophorone	26.6
2,4-Dimethylphenol	32.0
Bis(2-Chloroethoxy)methane	27.3
2,4-Dichlorophenol	39.0
1,2,4-Trichlorobenzene	26.6
Naphthalene	24.7
Benzoic acid	0.910
4-Chloroaniline	31.1
Hexachlorobutadiene	25.2
4-Chloro-3-methylphenol	45.1
2-Methylnaphthalene	26.1
Hexachlorocyclopentadiene	27.3
2,4,6-Trichlorophenol	42.1
2,4,5-Trichlorophenol	41.8
2-Chloronaphthalene	24.8
2-Nitroaniline	27.8
Acenaphthylene	24.1
Dimethylphthalate	28.1
2,6-Dinitrotoluene	27.0
Acenaphthene	24.3
3-Nitroaniline	28.2
2,4-Dinitrophenol	0.910
Dibenzofuran	26.1
4-Nitrophenol	67.2
2,4-Dinitrotoluene	32.1
Fluorene	26.1
4-Chlorophenyl-phenylether	25.8
Diethylphthalate	27.2
4-Nitroaniline	30.6
4,6-Dinitro-2-methylphenol	111.6
N-Nitrosodiphenylamine	26.2
4-Bromophenyl-phenylether	24.0
Hexachlorobenzene	27.2
Pentachlorophenol	63.7
Phenanthrene	24.2
Anthracene	25.3
Carbazole	26.1
Di-n-butylphthalate	28.2
Fluoranthene	25.9
Pyrene	25.9
Butylbenzylphthalate	27.3
Benzo(a)anthracene	26.0
3,3'-Dichlorobenzidine	41.6
Chrysene	25.5
bis(2-Ethylhexyl)phthalate	26.7
Di-n-octylphthalate	21.5
Benzo(b)fluoranthene	26.6

Benzo(k)fluoranthene	25.8
Benzo(a)pyrene	26.1
Indeno(1,2,3-cd)pyrene	26.2
Dibenzo(a,h)anthracene	26.9
Benzo(g,h,i)perylene	26.2
N-Nitrosodimethylamine	26.4
Aniline	21.6
Benzidine	61.6
Retene	ND
Perylene	23.9
Pyridine	24.2
1-methylnaphthalene	25.9
Azobenzene (1,2-DP-Hydrazine)	26.7
2,3,4,6-Tetrachlorophenol	25.5
Total Benzofluoranthenes	22.5
2-Fluorophenol	23.7
Phenol-d5	24.3
1,2-Dichlorobenzene-d4	24.0
Nitrobenzene-d5	25.4
2-Fluorobiphenyl	24.8
2,4,6-Tribromophenol	24.3
Terphenyl-d14	28.0

ICV CAL: NT1020101302.D 13-OCT-2020 09:55

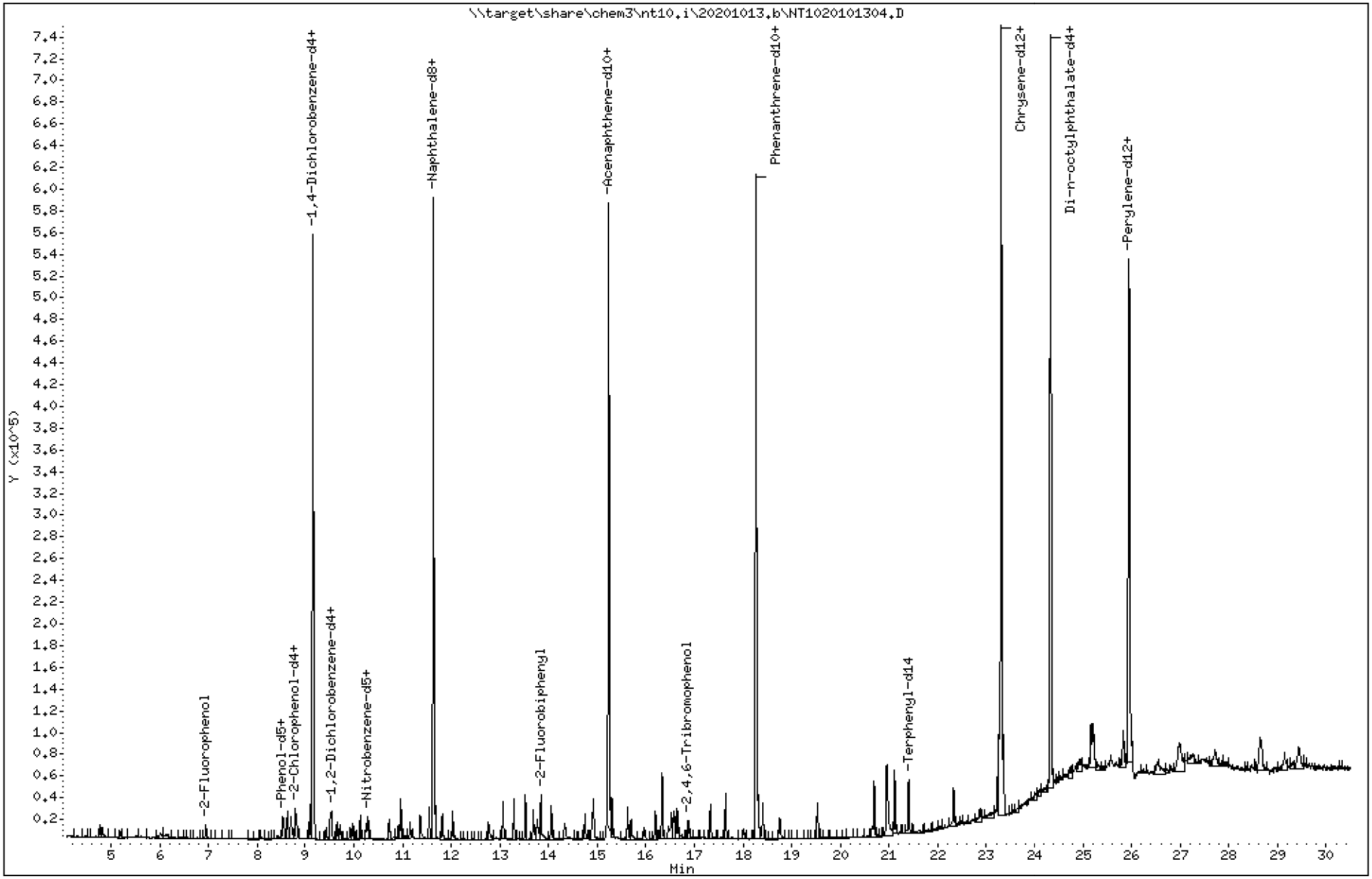
Compound	%D
Bis(2-Chloroethyl)ether	21.07
1,4-Dichlorobenzene	20.92
Benzyl alcohol	35.98
N-Nitroso-di-n-propylamine	28.72
Nitrobenzene	23.92
Isophorone	28.17
Naphthalene	21.42
Benzoic acid	-59.6
2-Methylnaphthalene	28.93
Acenaphthylene	26.13
Acenaphthene	21.02
2,4-Dinitrophenol	-49.2
Dibenzofuran	24.04
2,4-Dinitrotoluene	22.82
Diethylphthalate	24.05
4-Nitroaniline	29.02
Anthracene	25.68
Carbazole	34.32
Di-n-butylphthalate	39.14
Benzo(b)fluoranthene	27.36
Benzo(a)pyrene	24.02
Indeno(1,2,3-cd)pyrene	20.90
Benzo(g,h,i)perylene	22.61
Pyridine	25.57
1-methylnaphthalene	28.75
Azobenzene (1,2-DP-Hydrazine)	21.37
2,3,4,6-Tetrachlorophenol	27.61
Phenol-d5	23.84
Nitrobenzene-d5	24.19
2,4,6-Tribromophenol	22.60

Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101304.D
Date : 13-OCT-2020 11:11
Client ID:
Sample Info: SIJ0179-CAL1

Instrument: nt10.i

Operator: VTS

Column phase: ZB-5msi
Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201013.b\NT1020101304.D
Lab Smp Id: SIJ0179-CAL1
Inj Date : 13-OCT-2020 11:11
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0179-CAL1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Meth Date : 14-Oct-2020 11:16 yev Quant Type: ISTD
Cal Date : 13-OCT-2020 16:56 Cal File: NT1020101313.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	6.937	6.929	(0.758)	10346	0.30000	0.2367
$ 2 Phenol-d5	99	8.513	8.513	(0.930)	13846	0.30000	0.2385
3 Phenol	94	8.536	8.536	(0.932)	9400	0.20000	0.1654
$ 5 2-Chlorophenol-d4	132	8.791	8.799	(0.960)	15144	0.30000	0.2801
4 Bis(2-Chloroethyl)ether	93	8.706	8.706	(0.951)	10016	0.20000	0.2144
6 2-Chlorophenol	128	8.822	8.822	(0.964)	10186	0.20000	0.1832
7 1,3-Dichlorobenzene	146	9.093	9.093	(0.993)	14694	0.20000	0.2271
* 8 1,4-Dichlorobenzene-d4	152	9.155	9.163	(1.000)	151540	4.00000	
9 1,4-Dichlorobenzene	146	9.186	9.186	(1.003)	11354	0.20000	0.2087
$ 10 1,2-Dichlorobenzene-d4	152	9.512	9.520	(1.039)	7506	0.20000	0.2038
12 1,2-Dichlorobenzene	146	9.543	9.543	(1.042)	11821	0.20000	0.2057
11 Benzyl alcohol	108	9.427	9.427	(1.030)	3614	0.20000	0.1199
14 2,2'-oxybis(1-Chloropropane)	121	9.714	9.722	(1.061)	3556	0.20000	0.2046
13 2-Methylphenol	108	9.652	9.644	(1.054)	6685	0.20000	0.1738
17 Hexachloroethane	117	10.133	10.133	(1.107)	3998	0.20000	0.1905
16 N-Nitroso-di-n-propylamine	70	9.978	9.986	(1.090)	5021	0.20000	0.2065
15 4-Methylphenol	108	9.916	9.916	(1.083)	6544	0.20000	0.1596
$ 18 Nitrobenzene-d5	82	10.257	10.257	(0.882)	7118	0.20000	0.1897
19 Nitrobenzene	77	10.288	10.288	(0.884)	8116	0.20000	0.2078
20 Isophorone	82	10.723	10.731	(0.922)	14460	0.20000	0.1790
21 2-Nitrophenol	139	10.910	10.918	(0.938)	5064	0.20000	0.1635
22 2,4-Dimethylphenol	107	10.961	10.961	(0.942)	14461	0.40000	0.3714
23 Bis(2-Chloroethoxy)methane	93	11.156	11.156	(0.959)	9533	0.20000	0.2163
24 Benzoic acid	105	11.071	11.148	(0.952)	7975	0.80000	0.3101(M)
25 2,4-Dichlorophenol	162	11.360	11.360	(0.976)	14579	0.40000	0.3178
26 1,2,4-Trichlorobenzene	180	11.550	11.550	(0.993)	11711	0.20000	0.2330
* 27 Naphthalene-d8	136	11.635	11.635	(1.000)	485512	4.00000	
28 Naphthalene	128	11.673	11.673	(1.003)	23171	0.20000	0.1889
29 4-Chloroaniline	127	11.812	11.812	(1.015)	19491	0.40000	0.3579
30 Hexachlorobutadiene	225	12.029	12.029	(1.034)	6465	0.20000	0.2164
31 4-Chloro-3-methylphenol	107	12.764	12.756	(1.097)	10392	0.40000	0.2709
32 2-Methylnaphthalene	142	13.058	13.066	(1.122)	20281	0.20000	0.1798
33 Hexachlorocyclopentadiene	237	13.522	13.522	(0.888)	12207	0.40000	0.3400

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.685	13.685	(0.898)	11136	0.40000	0.3439
	35 2,4,5-Trichlorophenol	196	13.770	13.754	(0.904)	13008	0.40000	0.3626(M)
$	36 2-Fluorobiphenyl	172	13.839	13.839	(0.909)	24515	0.20000	0.2144
	37 2-Chloronaphthalene	162	14.048	14.056	(0.922)	20343	0.20000	0.1973
	38 2-Nitroaniline	65	14.335	14.319	(0.941)	5484	0.40000	0.3144
	39 Dimethylphthalate	163	14.745	14.745	(0.968)	21155	0.20000	0.2137
	40 Acenaphthylene	152	14.923	14.923	(0.980)	37713	0.20000	0.2317
	41 2,6-Dinitrotoluene	165	14.884	14.892	(0.977)	9383	0.40000	0.4109
*	42 Acenaphthene-d10	164	15.232	15.232	(1.000)	253540	4.00000	
	43 3-Nitroaniline	138	15.186	15.171	(0.997)	8847	0.40000	0.3550
	44 Acenaphthene	153	15.302	15.302	(1.005)	16609	0.20000	0.2019
	45 2,4-Dinitrophenol	184	15.410	15.387	(1.012)	1904	0.80000	0.1130(M)
	46 Dibenzofuran	168	15.627	15.627	(1.026)	24509	0.20000	0.1902
	47 4-Nitrophenol	109	15.634	15.488	(1.026)	1744	0.40000	0.2267(M)
	48 2,4-Dinitrotoluene	165	15.696	15.696	(1.030)	10538	0.40000	0.3494
	50 Diethylphthalate	149	16.191	16.199	(1.063)	18240	0.20000	0.2071
	49 Fluorene	166	16.338	16.338	(1.073)	22115	0.20000	0.2092
	51 4-Chlorophenyl-phenylether	204	16.330	16.330	(1.072)	11600	0.20000	0.2115
	52 4-Nitroaniline	138	16.469	16.446	(1.081)	10748	0.40000	0.3470(M)
	53 4,6-Dinitro-2-methylphenol	198	16.531	16.531	(0.905)	11003	0.80000	0.4686
	54 N-Nitrosodiphenylamine	169	16.585	16.577	(0.908)	14612	0.20000	0.2237
$	55 2,4,6-Tribromophenol	330	16.878	16.870	(1.108)	5787	0.30000	0.2705
	56 4-Bromophenyl-phenylether	248	17.325	17.325	(0.948)	10366	0.20000	0.2020
	57 Hexachlorobenzene	284	17.642	17.642	(0.966)	11674	0.20000	0.2267
	58 Pentachlorophenol	266	18.014	17.998	(0.986)	3568	0.40000	0.1579
*	59 Phenanthrene-d10	188	18.269	18.261	(1.000)	508827	4.00000	
	60 Phenanthrene	178	18.315	18.315	(1.003)	27475	0.20000	0.2049
	61 Anthracene	178	18.408	18.408	(1.008)	27812	0.20000	0.1912
	62 Carbazole	167	18.749	18.741	(1.026)	27642	0.20000	0.1897
	63 Di-n-butylphthalate	149	19.530	19.530	(1.069)	33655	0.20000	0.1880
	64 Fluoranthene	202	20.691	20.691	(0.888)	38893	0.20000	0.1916
	65 Pyrene	202	21.116	21.116	(0.906)	41780	0.20000	0.1991
$	66 Terphenyl-d14	244	21.403	21.403	(0.919)	32303	0.20000	0.2206
	67 Butylbenzylphthalate	149	22.332	22.324	(0.958)	14658	0.20000	0.2234
	68 Benzo(a)anthracene	228	23.276	23.276	(0.999)	39813	0.20000	0.2266
*	69 Chrysene-d12	240	23.300	23.307	(1.000)	440659	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.245	23.238	(0.998)	38877	0.60000	0.5646
	71 Chrysene	228	23.346	23.346	(1.002)	26843	0.20000	0.2002
	72 bis(2-Ethylhexyl)phthalate	149	23.346	23.346	(0.959)	13676	0.20000	0.1930
*	134 Di-n-octylphthalate-d4	153	24.337	24.337	(1.000)	600031	4.00000	
	73 Di-n-octylphthalate	149	24.345	24.345	(1.000)	32328	0.20000	0.2053
	74 Benzo(b)fluoranthene	252	25.173	25.173	(0.970)	32184	0.20000	0.1996
	75 Benzo(k)fluoranthene	252	25.212	25.220	(0.972)	38626	0.20000	0.2292
	76 Benzo(a)pyrene	252	25.839	25.831	(0.996)	32318	0.20000	0.2200
*	77 Perylene-d12	264	25.947	25.947	(1.000)	432184	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	28.637	28.637	(1.104)	32164	0.20000	0.2305
	79 Dibenzo(a,h)anthracene	278	28.668	28.660	(1.105)	24769	0.20000	0.2231
	80 Benzo(g,h,i)perylene	276	29.437	29.437	(1.134)	26083	0.20000	0.2168
	90 N-Nitrosodimethylamine	74	4.766	4.766	(0.521)	7975	0.40000	0.3313
	91 Aniline	93	8.613	8.621	(0.941)	17883	0.40000	0.4086
	93 Benzidine	184	20.954	20.938	(0.899)	85269	0.40000	0.9463
	103 Pyridine	79	4.812	4.782	(0.526)	7310	0.20000	0.1898
	105 1-methylnaphthalene	142	13.282	13.290	(1.142)	19121	0.20000	0.1809
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.647	16.654	(1.093)	16778	0.20000	0.2118

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.173	25.220	(0.970)	70525	0.40000	0.4436
99 Perylene	252	26.009	26.009	(1.002)	22039	0.20000	0.1906
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	15.967	15.967	(1.048)	4226	0.20000	0.1197

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020101304.D
Lab Smp Id: SIJ0179-CAL1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Misc Info:

Calibration Date: 13-OCT-2020
Calibration Time: 17:35
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	110213	55107	220426	151540	37.50
27 Naphthalene-d8	370084	185042	740168	485512	31.19
42 Acenaphthene-d10	214945	107473	429890	253540	17.96
59 Phenanthrene-d10	425380	212690	850760	508827	19.62
69 Chrysene-d12	373197	186599	746394	440659	18.08
134 Di-n-octylphthala	566375	283188	1132750	600031	5.94
77 Perylene-d12	391129	195565	782258	432184	10.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	-0.00
27 Naphthalene-d8	11.64	11.14	12.14	11.64	-0.00
42 Acenaphthene-d10	15.24	14.74	15.74	15.23	-0.05
59 Phenanthrene-d10	18.27	17.77	18.77	18.27	-0.00
69 Chrysene-d12	23.31	22.81	23.81	23.30	-0.03
134 Di-n-octylphthala	24.34	23.84	24.84	24.34	-0.00
77 Perylene-d12	25.96	25.46	26.46	25.95	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020101304.D

Lab ID: SIJ0179-CAL1
nt10.i, ABN.m, 13-OCT-2020 11:11

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.952	0.958	-0.0066	Benzoic acid
1.026	1.017	0.0097	4-Nitrophenol

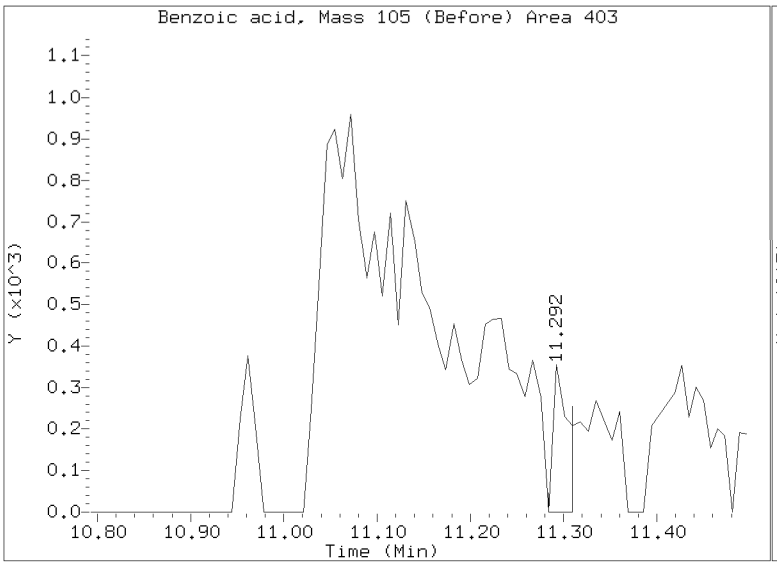
RRT check based on Ccal File: NT1020101314.D

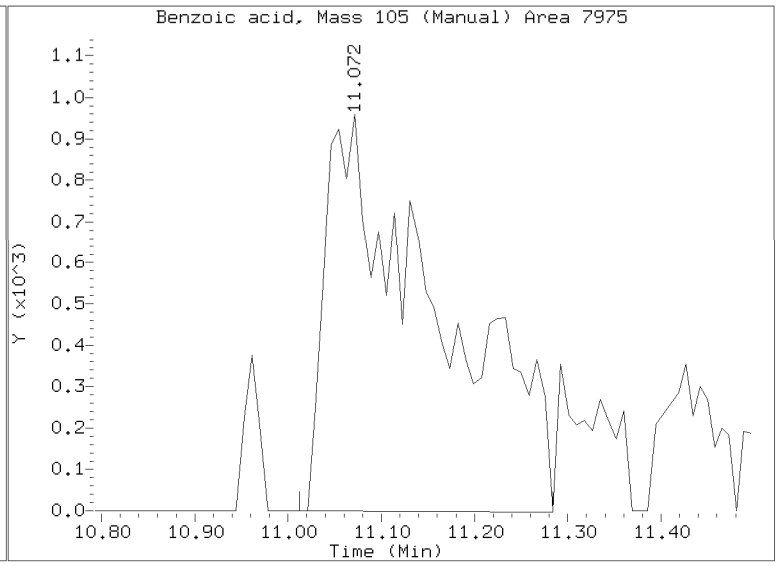
On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

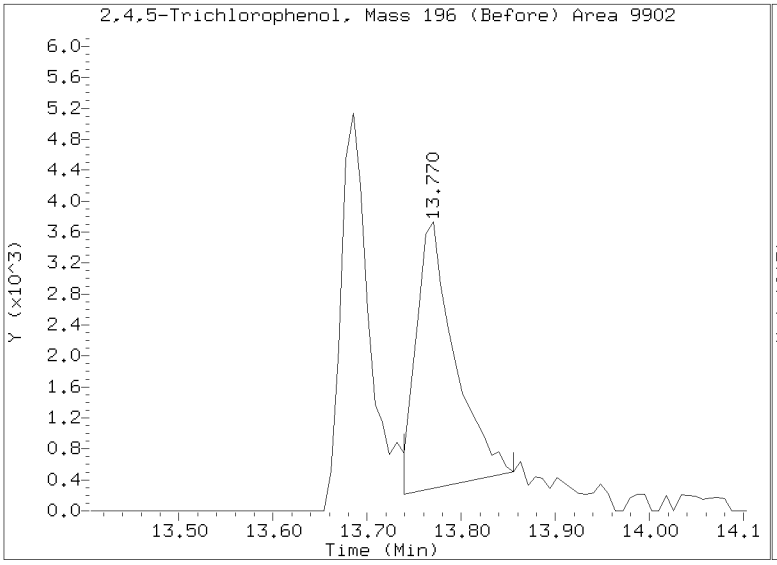
* Only compounds listed in the work order have been verified by the analyst *

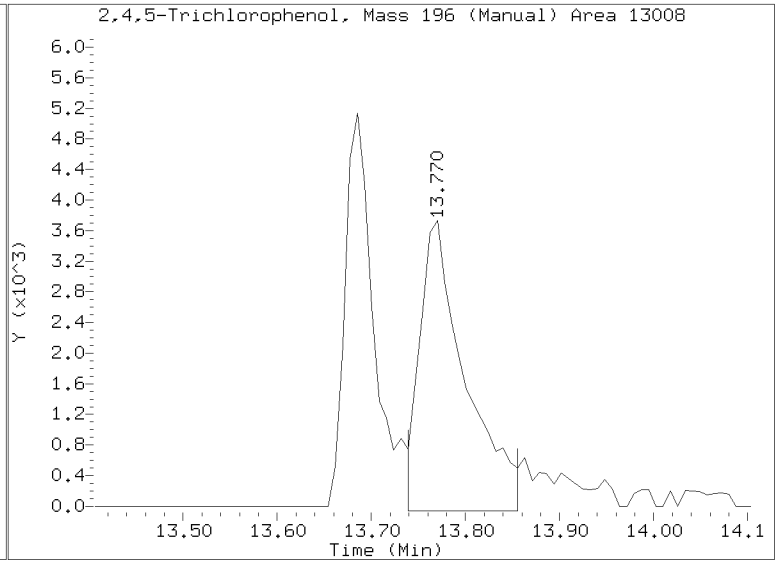
Quant Ion Manual Peak Adjustment Report

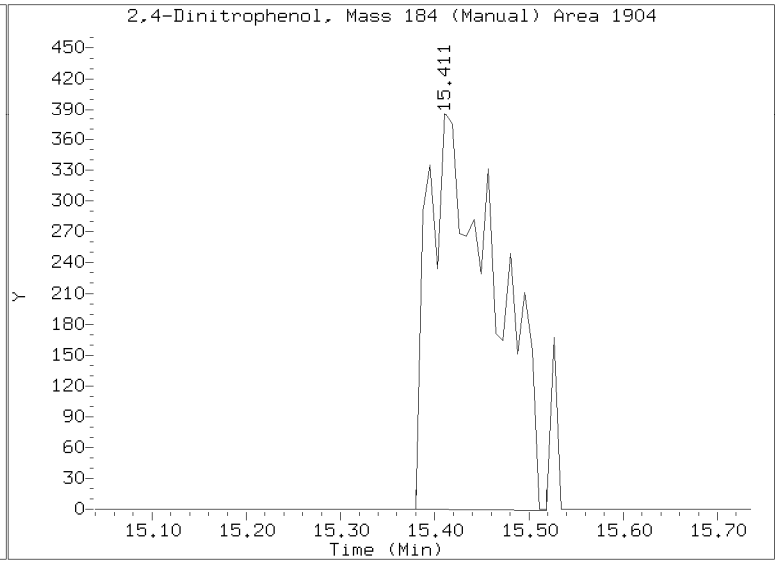
Datafile: //target/share/chem3/nt10.i/20201013.b/NT1020101304.D
Injection Date: 13-OCT-2020 11:11
Lab ID:SIJ0179-CAL1 Client ID:
Report Date: 10/14/2020 15:43





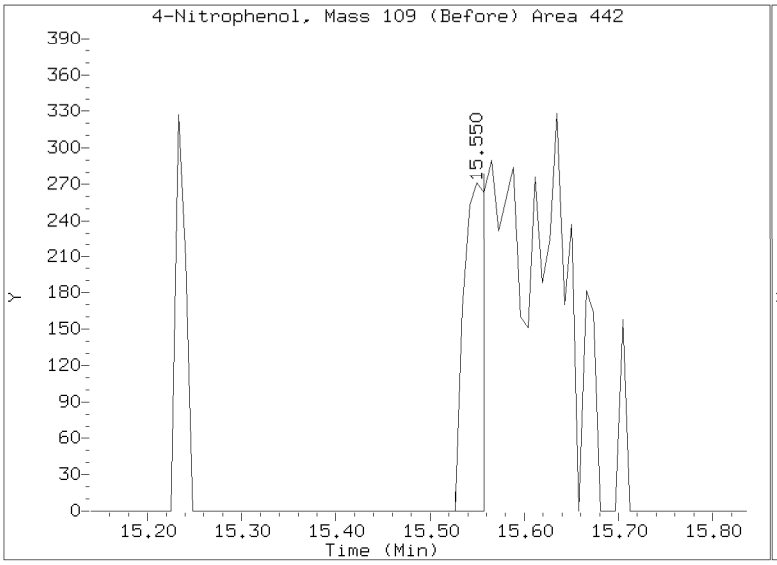


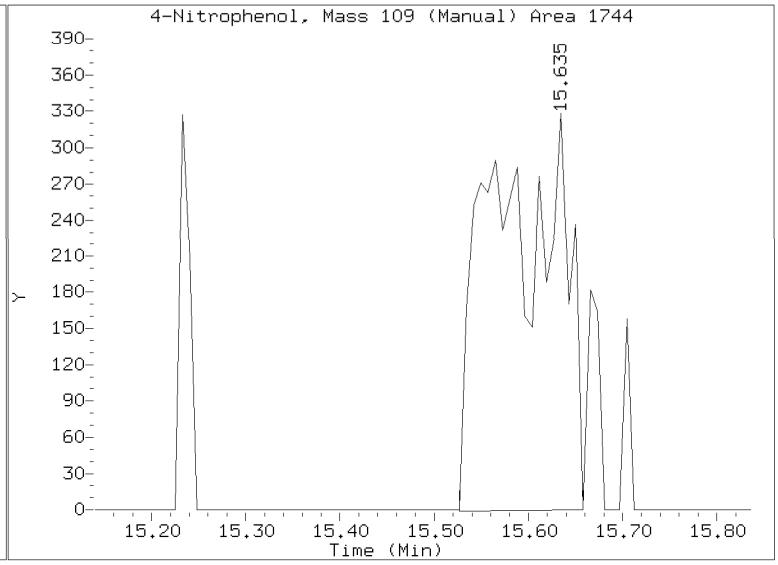


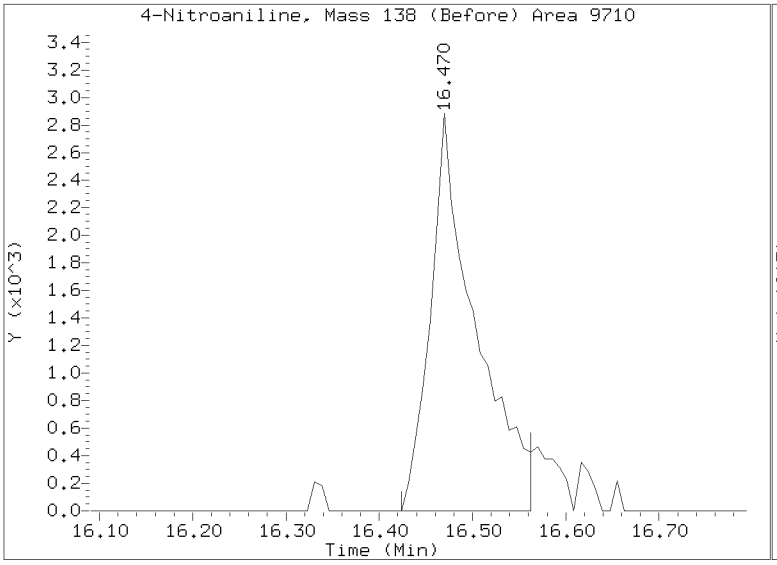


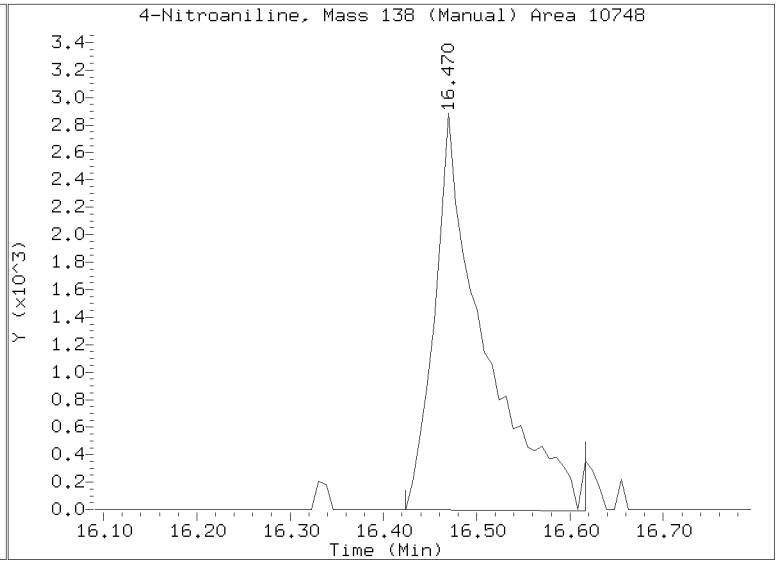
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20201013.b/NT1020101304.D
Injection Date: 13-OCT-2020 11:11
Lab ID:SIJ0179-CAL1 Client ID:
Report Date: 10/14/2020 15:43







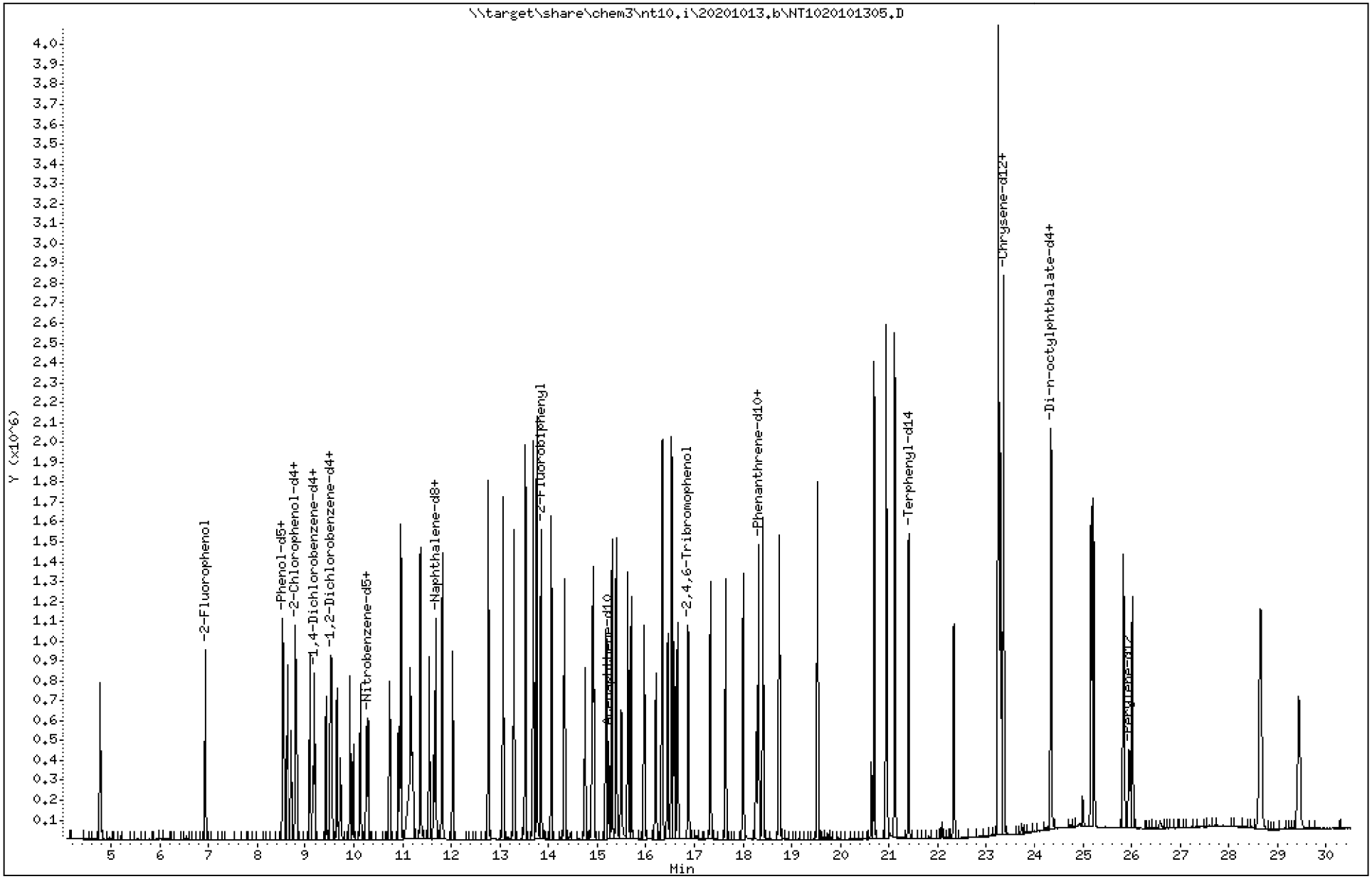


Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101305.D
Date : 13-OCT-2020 11:49
Client ID:
Sample Info: SIJ0179-CAL6

Instrument: nt10.i

Operator: VTS

Column phase: ZB-5msi
Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201013.b\NT1020101305.D
Lab Smp Id: SIJ0179-CAL6
Inj Date : 13-OCT-2020 11:49
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0179-CAL6
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Meth Date : 14-Oct-2020 11:16 yev Quant Type: ISTD
Cal Date : 13-OCT-2020 16:56 Cal File: NT1020101313.D
Als bottle: 5 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	6.929	6.929	(0.757)	480070	15.0000	16.00
$ 2 Phenol-d5	99	8.521	8.513	(0.931)	692790	15.0000	17.39
3 Phenol	94	8.537	8.536	(0.932)	411685	10.0000	10.55
$ 5 2-Chlorophenol-d4	132	8.799	8.799	(0.961)	563986	15.0000	15.20
4 Bis(2-Chloroethyl)ether	93	8.706	8.706	(0.951)	307096	10.0000	9.574
6 2-Chlorophenol	128	8.822	8.822	(0.964)	390994	10.0000	10.24
7 1,3-Dichlorobenzene	146	9.093	9.093	(0.993)	420373	10.0000	9.463
* 8 1,4-Dichlorobenzene-d4	152	9.155	9.163	(1.000)	104025	4.00000	
9 1,4-Dichlorobenzene	146	9.186	9.186	(1.003)	371675	10.0000	9.950
$ 10 1,2-Dichlorobenzene-d4	152	9.520	9.520	(1.040)	259502	10.0000	10.26
12 1,2-Dichlorobenzene	146	9.544	9.543	(1.042)	382994	10.0000	9.706
11 Benzyl alcohol	108	9.427	9.427	(1.030)	204818	10.0000	10.09
14 2,2'-oxybis(1-Chloropropane)	121	9.722	9.722	(1.062)	120216	10.0000	10.08
13 2-Methylphenol	108	9.652	9.644	(1.054)	278819	10.0000	10.56
17 Hexachloroethane	117	10.133	10.133	(1.107)	152309	10.0000	10.57
16 N-Nitroso-di-n-propylamine	70	9.986	9.986	(1.091)	171203	10.0000	10.25
15 4-Methylphenol	108	9.916	9.916	(1.083)	298689	10.0000	10.61
$ 18 Nitrobenzene-d5	82	10.258	10.257	(0.882)	292184	10.0000	10.59
19 Nitrobenzene	77	10.289	10.288	(0.884)	292500	10.0000	10.18
20 Isophorone	82	10.731	10.731	(0.922)	694774	10.0000	11.70
21 2-Nitrophenol	139	10.919	10.918	(0.938)	254712	10.0000	11.18
22 2,4-Dimethylphenol	107	10.961	10.961	(0.942)	557631	20.0000	19.48
23 Bis(2-Chloroethoxy)methane	93	11.165	11.156	(0.960)	305361	10.0000	9.425
24 Benzoic acid	105	11.207	11.148	(0.963)	753276	40.0000	41.45
25 2,4-Dichlorophenol	162	11.369	11.360	(0.977)	719107	20.0000	21.32
26 1,2,4-Trichlorobenzene	180	11.550	11.550	(0.993)	334262	10.0000	9.047
* 27 Naphthalene-d8	136	11.635	11.635	(1.000)	356973	4.00000	
28 Naphthalene	128	11.681	11.673	(1.004)	933956	10.0000	10.35
29 4-Chloroaniline	127	11.813	11.812	(1.015)	883163	20.0000	22.06
30 Hexachlorobutadiene	225	12.029	12.029	(1.034)	212818	10.0000	9.690
31 4-Chloro-3-methylphenol	107	12.756	12.756	(1.096)	629534	20.0000	22.32
32 2-Methylnaphthalene	142	13.066	13.066	(1.123)	897577	10.0000	10.82
33 Hexachlorocyclopentadiene	237	13.523	13.522	(0.888)	631159	20.0000	20.87

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.685	13.685	(0.898)	584565	20.0000	21.43
	35 2,4,5-Trichlorophenol	196	13.755	13.754	(0.903)	636966	20.0000	21.08
$	36 2-Fluorobiphenyl	172	13.840	13.839	(0.909)	939979	10.0000	9.761
	37 2-Chloronaphthalene	162	14.057	14.056	(0.923)	872947	10.0000	10.05
	38 2-Nitroaniline	65	14.327	14.319	(0.941)	320542	20.0000	21.82
	39 Dimethylphthalate	163	14.745	14.745	(0.968)	755456	10.0000	9.060
	40 Acenaphthylene	152	14.924	14.923	(0.980)	1110434	10.0000	8.101
	41 2,6-Dinitrotoluene	165	14.893	14.892	(0.978)	370920	20.0000	19.29
*	42 Acenaphthene-d10	164	15.233	15.232	(1.000)	213542	4.00000	
	43 3-Nitroaniline	138	15.179	15.171	(0.996)	433325	20.0000	20.65
	44 Acenaphthene	153	15.302	15.302	(1.005)	703805	10.0000	10.16
	45 2,4-Dinitrophenol	184	15.387	15.387	(1.010)	581849	40.0000	41.44
	46 Dibenzofuran	168	15.627	15.627	(1.026)	1112666	10.0000	10.25
	47 4-Nitrophenol	109	15.496	15.488	(1.017)	150587	20.0000	23.24
	48 2,4-Dinitrotoluene	165	15.697	15.696	(1.030)	539382	20.0000	21.23
	50 Diethylphthalate	149	16.199	16.199	(1.063)	685282	10.0000	9.239
	49 Fluorene	166	16.338	16.338	(1.073)	825248	10.0000	9.268
	51 4-Chlorophenyl-phenylether	204	16.323	16.330	(1.072)	434593	10.0000	9.408
	52 4-Nitroaniline	138	16.454	16.446	(1.080)	545353	20.0000	20.91
	53 4,6-Dinitro-2-methylphenol	198	16.532	16.531	(0.905)	850184	40.0000	44.18
	54 N-Nitrosodiphenylamine	169	16.586	16.577	(0.908)	470247	10.0000	8.782
$	55 2,4,6-Tribromophenol	330	16.879	16.870	(1.108)	290471	15.0000	16.12
	56 4-Bromophenyl-phenylether	248	17.333	17.325	(0.949)	414473	10.0000	9.851
	57 Hexachlorobenzene	284	17.643	17.642	(0.966)	369921	10.0000	8.763
	58 Pentachlorophenol	266	17.999	17.998	(0.985)	356945	20.0000	20.37
*	59 Phenanthrene-d10	188	18.269	18.261	(1.000)	417066	4.00000	
	60 Phenanthrene	178	18.316	18.315	(1.003)	1100934	10.0000	10.02
	61 Anthracene	178	18.409	18.408	(1.008)	1232008	10.0000	10.33
	62 Carbazole	167	18.741	18.741	(1.026)	1271330	10.0000	10.64
	63 Di-n-butylphthalate	149	19.531	19.530	(1.069)	1575512	10.0000	10.73
	64 Fluoranthene	202	20.691	20.691	(0.888)	1720059	10.0000	10.53
	65 Pyrene	202	21.117	21.116	(0.906)	1784632	10.0000	10.57
$	66 Terphenyl-d14	244	21.403	21.403	(0.918)	1036757	10.0000	8.799
	67 Butylbenzylphthalate	149	22.332	22.324	(0.958)	494427	10.0000	9.362
	68 Benzo(a)anthracene	228	23.277	23.276	(0.999)	1334820	10.0000	9.442
*	69 Chrysene-d12	240	23.308	23.307	(1.000)	354635	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.246	23.238	(0.997)	1748172	30.0000	31.55
	71 Chrysene	228	23.354	23.346	(1.002)	1098541	10.0000	10.18
	72 bis(2-Ethylhexyl)phthalate	149	23.346	23.346	(0.959)	646558	10.0000	9.703
*	134 Di-n-octylphthalate-d4	153	24.337	24.337	(1.000)	564301	4.00000	
	73 Di-n-octylphthalate	149	24.353	24.345	(1.001)	1447437	10.0000	9.775
	74 Benzo(b)fluoranthene	252	25.173	25.173	(0.970)	1437234	10.0000	10.02
	75 Benzo(k)fluoranthene	252	25.220	25.220	(0.972)	1370692	10.0000	9.141
	76 Benzo(a)pyrene	252	25.839	25.831	(0.996)	1281901	10.0000	9.807
*	77 Perylene-d12	264	25.956	25.947	(1.000)	384565	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	28.637	28.637	(1.103)	1109017	10.0000	8.933
	79 Dibenzo(a,h)anthracene	278	28.661	28.660	(1.104)	872308	10.0000	8.829
	80 Benzo(g,h,i)perylene	276	29.437	29.437	(1.134)	994049	10.0000	9.286
	90 N-Nitrosodimethylamine	74	4.767	4.766	(0.521)	370707	20.0000	22.44
	91 Aniline	93	8.622	8.621	(0.942)	577295	20.0000	19.22
	93 Benzidine	184	20.939	20.938	(0.898)	1984045	10.0000	10.14
	103 Pyridine	79	4.782	4.782	(0.522)	274973	10.0000	10.40
	105 1-methylnaphthalene	142	13.283	13.290	(1.142)	827468	10.0000	10.65
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.655	16.654	(1.093)	618751	10.0000	9.273

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.220	25.220	(0.972)	2683299	20.0000	18.97
99 Perylene	252	26.010	26.009	(1.002)	1039772	10.0000	10.11
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	15.959	15.967	(1.048)	288996	10.0000	10.21

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020101305.D
Lab Smp Id: SIJ0179-CAL6
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Misc Info:

Calibration Date: 13-OCT-2020
Calibration Time: 17:35
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	110213	55107	220426	104025	-5.61
27 Naphthalene-d8	370084	185042	740168	356973	-3.54
42 Acenaphthene-d10	214945	107473	429890	213542	-0.65
59 Phenanthrene-d10	425380	212690	850760	417066	-1.95
69 Chrysene-d12	373197	186599	746394	354635	-4.97
134 Di-n-octylphthala	566375	283188	1132750	564301	-0.37
77 Perylene-d12	391129	195565	782258	384565	-1.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	0.00
27 Naphthalene-d8	11.64	11.14	12.14	11.64	0.00
42 Acenaphthene-d10	15.24	14.74	15.74	15.23	-0.05
59 Phenanthrene-d10	18.27	17.77	18.77	18.27	0.00
69 Chrysene-d12	23.31	22.81	23.81	23.31	0.00
134 Di-n-octylphthala	24.34	23.84	24.84	24.34	0.00
77 Perylene-d12	25.96	25.46	26.46	25.96	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020101305.D

Lab ID: SIJ0179-CAL6
nt10.i, ABN.m, 13-OCT-2020 11:49

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.963	0.958	0.0051	Benzoic acid

RRT check based on Ccal File: NT1020101314.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

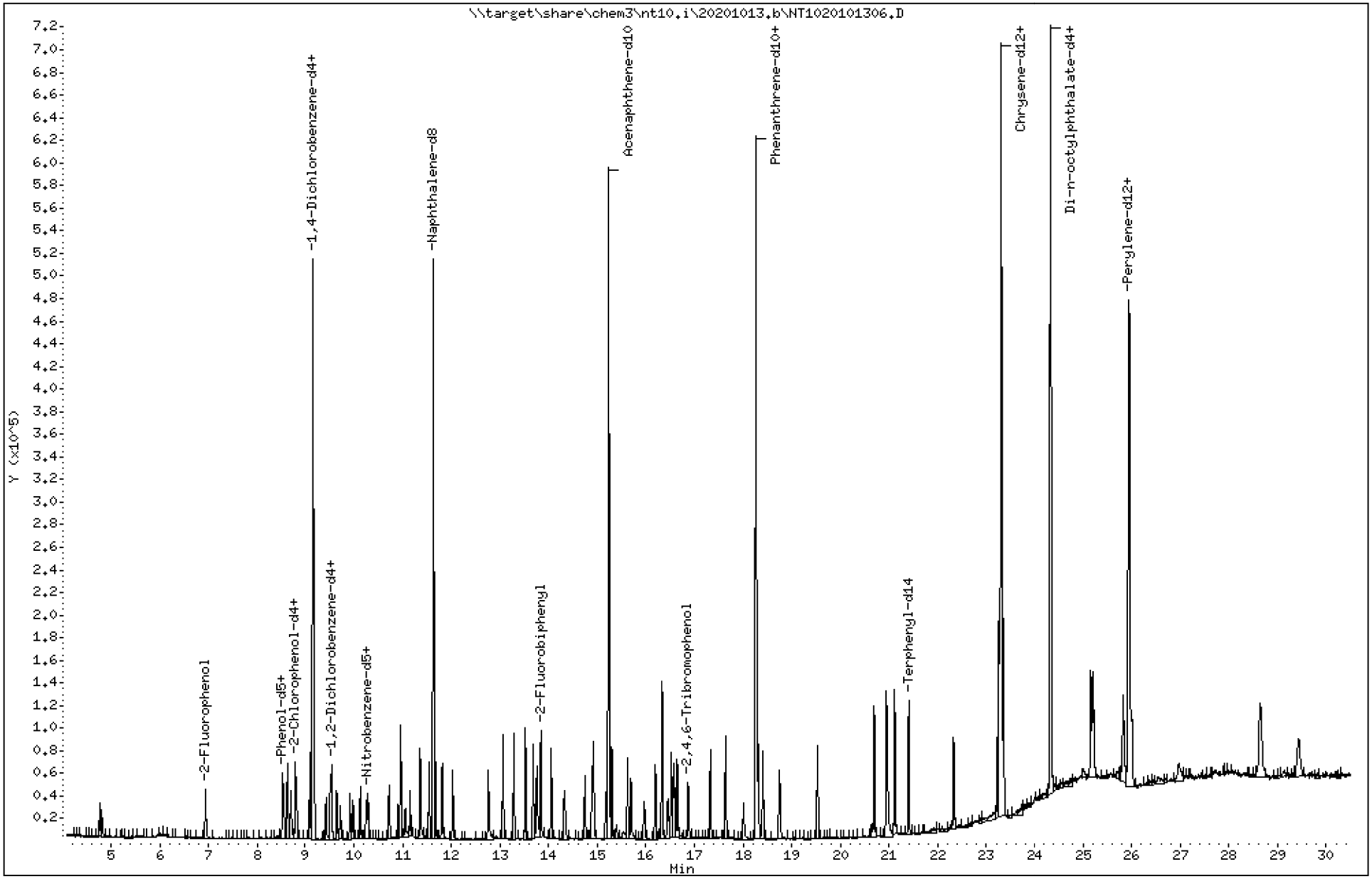
* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101306.D
Date : 13-OCT-2020 12:27
Client ID:
Sample Info: SIJ0179-CAL2

Instrument: nt10.i

Operator: VTS

Column phase: ZB-5msi
Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201013.b\NT1020101306.D
Lab Smp Id: SIJ0179-CAL2
Inj Date : 13-OCT-2020 12:27
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0179-CAL2
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Meth Date : 14-Oct-2020 11:16 yev Quant Type: ISTD
Cal Date : 13-OCT-2020 16:56 Cal File: NT1020101313.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	6.929	6.929	(0.757)	29176	0.75000	0.7062
$ 2 Phenol-d5	99	8.513	8.513	(0.930)	35170	0.75000	0.6411
3 Phenol	94	8.536	8.536	(0.932)	26010	0.50000	0.4843
$ 5 2-Chlorophenol-d4	132	8.791	8.799	(0.960)	36395	0.75000	0.7123
4 Bis(2-Chloroethyl)ether	93	8.706	8.706	(0.951)	22823	0.50000	0.5168
6 2-Chlorophenol	128	8.822	8.822	(0.964)	25429	0.50000	0.4840
7 1,3-Dichlorobenzene	146	9.093	9.093	(0.993)	30491	0.50000	0.4986
* 8 1,4-Dichlorobenzene-d4	152	9.155	9.163	(1.000)	143212	4.00000	
9 1,4-Dichlorobenzene	146	9.186	9.186	(1.003)	25276	0.50000	0.4915
$ 10 1,2-Dichlorobenzene-d4	152	9.512	9.520	(1.039)	16966	0.50000	0.4874
12 1,2-Dichlorobenzene	146	9.543	9.543	(1.042)	28016	0.50000	0.5157
11 Benzyl alcohol	108	9.427	9.427	(1.030)	10937	0.50000	0.3842
14 2,2'-oxybis(1-Chloropropane)	121	9.722	9.722	(1.062)	8213	0.50000	0.5001
13 2-Methylphenol	108	9.644	9.644	(1.053)	17300	0.50000	0.4758
17 Hexachloroethane	117	10.125	10.133	(1.106)	9923	0.50000	0.5003
16 N-Nitroso-di-n-propylamine	70	9.978	9.986	(1.090)	11418	0.50000	0.4968
15 4-Methylphenol	108	9.916	9.916	(1.083)	18113	0.50000	0.4676
$ 18 Nitrobenzene-d5	82	10.249	10.257	(0.881)	16962	0.50000	0.4854
19 Nitrobenzene	77	10.288	10.288	(0.884)	17705	0.50000	0.4868
20 Isophorone	82	10.723	10.731	(0.922)	34077	0.50000	0.4530
21 2-Nitrophenol	139	10.910	10.918	(0.938)	12851	0.50000	0.4455
22 2,4-Dimethylphenol	107	10.961	10.961	(0.942)	37818	1.00000	1.043
23 Bis(2-Chloroethoxy)methane	93	11.156	11.156	(0.959)	22262	0.50000	0.5426
24 Benzoic acid	105	11.054	11.148	(0.950)	21723	2.00000	0.9077(M)
25 2,4-Dichlorophenol	162	11.360	11.360	(0.976)	41092	1.00000	0.9620
26 1,2,4-Trichlorobenzene	180	11.550	11.550	(0.993)	25053	0.50000	0.5354
* 27 Naphthalene-d8	136	11.635	11.635	(1.000)	452057	4.00000	
28 Naphthalene	128	11.673	11.673	(1.003)	56262	0.50000	0.4925
29 4-Chloroaniline	127	11.812	11.812	(1.015)	40559	1.00000	0.7999
30 Hexachlorobutadiene	225	12.029	12.029	(1.034)	13943	0.50000	0.5013
31 4-Chloro-3-methylphenol	107	12.756	12.756	(1.096)	28243	1.00000	0.7906
32 2-Methylnaphthalene	142	13.058	13.066	(1.122)	49386	0.50000	0.4703
33 Hexachlorocyclopentadiene	237	13.522	13.522	(0.888)	31329	1.00000	0.9178

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.677	13.685	(0.898)	28217	1.00000	0.9165
	35 2,4,5-Trichlorophenol	196	13.754	13.754	(0.903)	32432	1.00000	0.9508
$	36 2-Fluorobiphenyl	172	13.839	13.839	(0.909)	54626	0.50000	0.5025
	37 2-Chloronaphthalene	162	14.048	14.056	(0.922)	48187	0.50000	0.4915
	38 2-Nitroaniline	65	14.319	14.319	(0.940)	15697	1.00000	0.9464
	39 Dimethylphthalate	163	14.745	14.745	(0.968)	50219	0.50000	0.5335
	40 Acenaphthylene	152	14.923	14.923	(0.980)	83106	0.50000	0.5370
	41 2,6-Dinitrotoluene	165	14.892	14.892	(0.978)	21621	1.00000	0.9959
*	42 Acenaphthene-d10	164	15.232	15.232	(1.000)	241075	4.00000	
	43 3-Nitroaniline	138	15.178	15.171	(0.996)	23731	1.00000	1.002
	44 Acenaphthene	153	15.294	15.302	(1.004)	37971	0.50000	0.4855
	45 2,4-Dinitrophenol	184	15.387	15.387	(1.010)	7611	2.00000	0.4752(M)
	46 Dibenzofuran	168	15.627	15.627	(1.026)	60341	0.50000	0.4926
	47 4-Nitrophenol	109	15.549	15.488	(1.021)	5685	1.00000	0.7772(M)
	48 2,4-Dinitrotoluene	165	15.688	15.696	(1.030)	27322	1.00000	0.9528
	50 Diethylphthalate	149	16.191	16.199	(1.063)	44545	0.50000	0.5320
	49 Fluorene	166	16.338	16.338	(1.073)	57313	0.50000	0.5701
	51 4-Chlorophenyl-phenylether	204	16.323	16.330	(1.072)	27508	0.50000	0.5275
	52 4-Nitroaniline	138	16.454	16.446	(1.080)	28190	1.00000	0.9572
	53 4,6-Dinitro-2-methylphenol	198	16.523	16.531	(0.905)	32594	2.00000	1.465
	54 N-Nitrosodiphenylamine	169	16.577	16.577	(0.908)	32837	0.50000	0.5303
$	55 2,4,6-Tribromophenol	330	16.870	16.870	(1.108)	14171	0.75000	0.6965
	56 4-Bromophenyl-phenylether	248	17.333	17.325	(0.949)	23519	0.50000	0.4834
	57 Hexachlorobenzene	284	17.642	17.642	(0.966)	26510	0.50000	0.5431
	58 Pentachlorophenol	266	18.006	17.998	(0.986)	11380	1.00000	0.5318
*	59 Phenanthrene-d10	188	18.261	18.261	(1.000)	482275	4.00000	
	60 Phenanthrene	178	18.315	18.315	(1.003)	60479	0.50000	0.4759
	61 Anthracene	178	18.408	18.408	(1.008)	63915	0.50000	0.4635
	62 Carbazole	167	18.749	18.741	(1.027)	63150	0.50000	0.4572
	63 Di-n-butylphthalate	149	19.530	19.530	(1.069)	75338	0.50000	0.4439
	64 Fluoranthene	202	20.691	20.691	(0.888)	89772	0.50000	0.4656
	65 Pyrene	202	21.116	21.116	(0.906)	92253	0.50000	0.4629
$	66 Terphenyl-d14	244	21.403	21.403	(0.919)	71740	0.50000	0.5159
	67 Butylbenzylphthalate	149	22.324	22.324	(0.958)	33054	0.50000	0.5303
	68 Benzo(a)anthracene	228	23.276	23.276	(0.999)	86850	0.50000	0.5205
*	69 Chrysene-d12	240	23.300	23.307	(1.000)	418581	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.238	23.238	(0.997)	96248	1.50000	1.472
	71 Chrysene	228	23.346	23.346	(1.002)	63565	0.50000	0.4991
	72 bis(2-Ethylhexyl)phthalate	149	23.346	23.346	(0.959)	33491	0.50000	0.4997
*	134 Di-n-octylphthalate-d4	153	24.337	24.337	(1.000)	567534	4.00000	
	73 Di-n-octylphthalate	149	24.345	24.345	(1.000)	73710	0.50000	0.4950
	74 Benzo(b)fluoranthene	252	25.165	25.173	(0.970)	76571	0.50000	0.4968
	75 Benzo(k)fluoranthene	252	25.212	25.220	(0.972)	85279	0.50000	0.5293
	76 Benzo(a)pyrene	252	25.831	25.831	(0.996)	70797	0.50000	0.5041
*	77 Perylene-d12	264	25.947	25.947	(1.000)	413164	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	28.637	28.637	(1.104)	71769	0.50000	0.5381
	79 Dibenzo(a,h)anthracene	278	28.652	28.660	(1.104)	57863	0.50000	0.5451
	80 Benzo(g,h,i)perylene	276	29.437	29.437	(1.134)	59672	0.50000	0.5188
	90 N-Nitrosodimethylamine	74	4.766	4.766	(0.521)	19695	1.00000	0.8658
	91 Aniline	93	8.613	8.621	(0.941)	43906	1.00000	1.062
	93 Benzidine	184	20.946	20.938	(0.899)	141870	1.00000	1.629
	103 Pyridine	79	4.797	4.782	(0.524)	15796	0.50000	0.4341
	105 1-methylnaphthalene	142	13.282	13.290	(1.142)	46665	0.50000	0.4742
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.647	16.654	(1.093)	41046	0.50000	0.5449

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.165	25.220	(0.970)	156465	1.00000	1.029
99 Perylene	252	26.002	26.009	(1.002)	54943	0.50000	0.4972
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	15.959	15.967	(1.048)	11985	0.50000	0.3573

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020101306.D
Lab Smp Id: SIJ0179-CAL2
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Misc Info:

Calibration Date: 13-OCT-2020
Calibration Time: 17:35
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	110213	55107	220426	143212	29.94
27 Naphthalene-d8	370084	185042	740168	452057	22.15
42 Acenaphthene-d10	214945	107473	429890	241075	12.16
59 Phenanthrene-d10	425380	212690	850760	482275	13.38
69 Chrysene-d12	373197	186599	746394	418581	12.16
134 Di-n-octylphthala	566375	283188	1132750	567534	0.20
77 Perylene-d12	391129	195565	782258	413164	5.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	-0.00
27 Naphthalene-d8	11.64	11.14	12.14	11.64	-0.00
42 Acenaphthene-d10	15.24	14.74	15.74	15.23	-0.05
59 Phenanthrene-d10	18.27	17.77	18.77	18.26	-0.04
69 Chrysene-d12	23.31	22.81	23.81	23.30	-0.03
134 Di-n-octylphthala	24.34	23.84	24.84	24.34	-0.00
77 Perylene-d12	25.96	25.46	26.46	25.95	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020101306.D

Lab ID: SIJ0179-CAL2
nt10.i, ABN.m, 13-OCT-2020 12:27

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.950	0.958	-0.0080	Benzoic acid

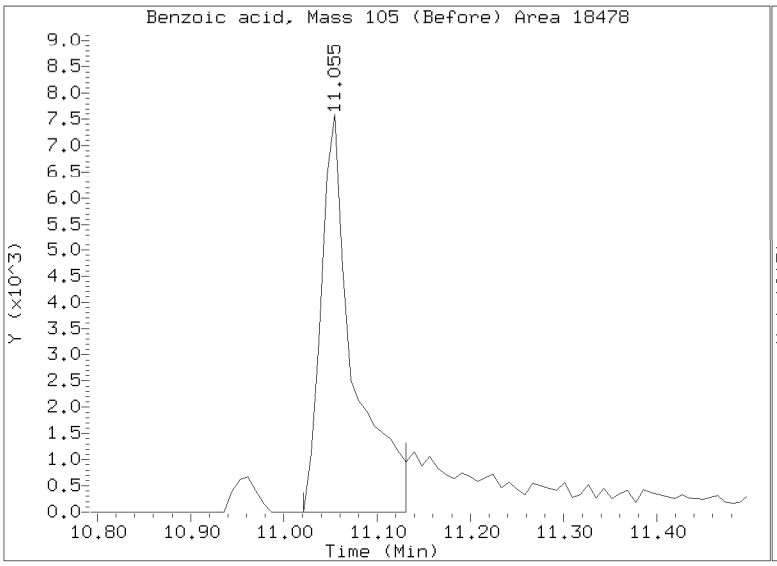
RRT check based on Ccal File: NT1020101314.D

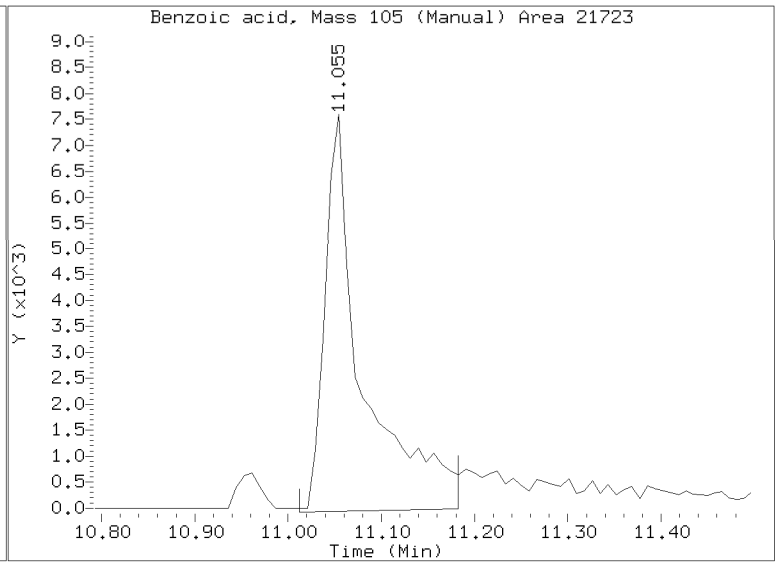
On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

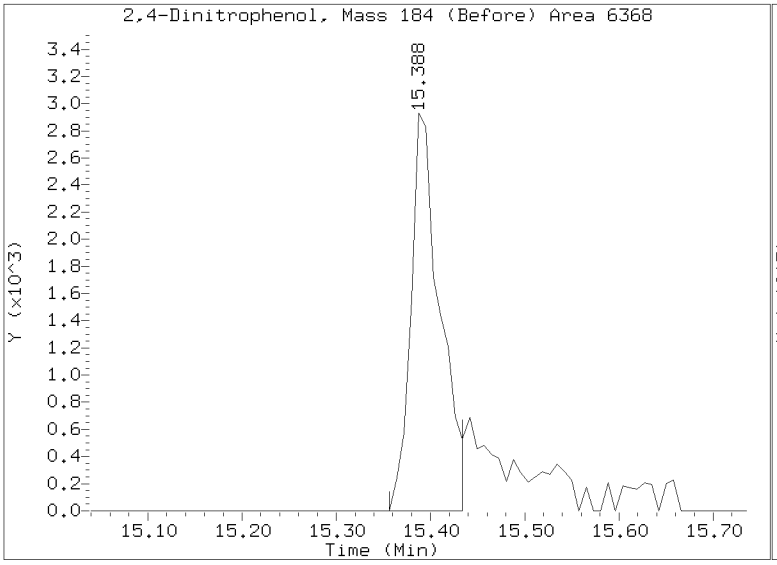
* Only compounds listed in the work order have been verified by the analyst *

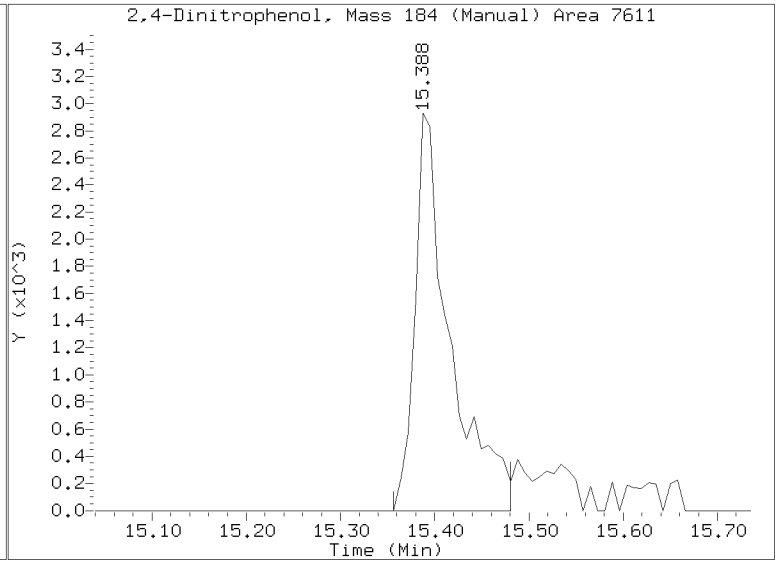
Quant Ion Manual Peak Adjustment Report

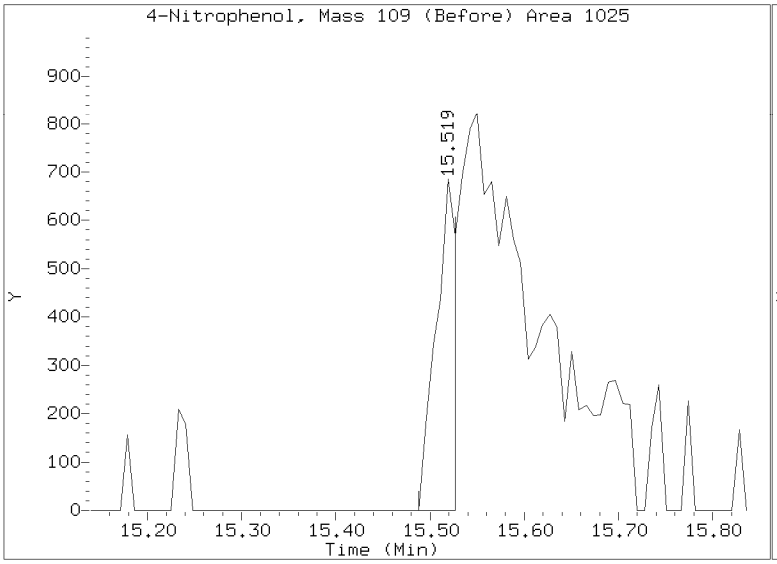
Datafile: //target/share/chem3/nt10.i/20201013.b/NT1020101306.D
Injection Date: 13-OCT-2020 12:27
Lab ID:SIJ0179-CAL2 Client ID:
Report Date: 10/14/2020 15:43

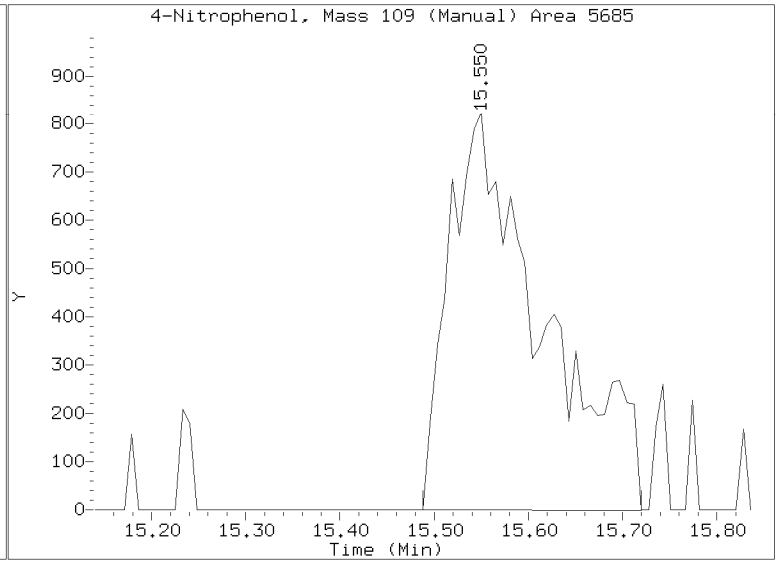










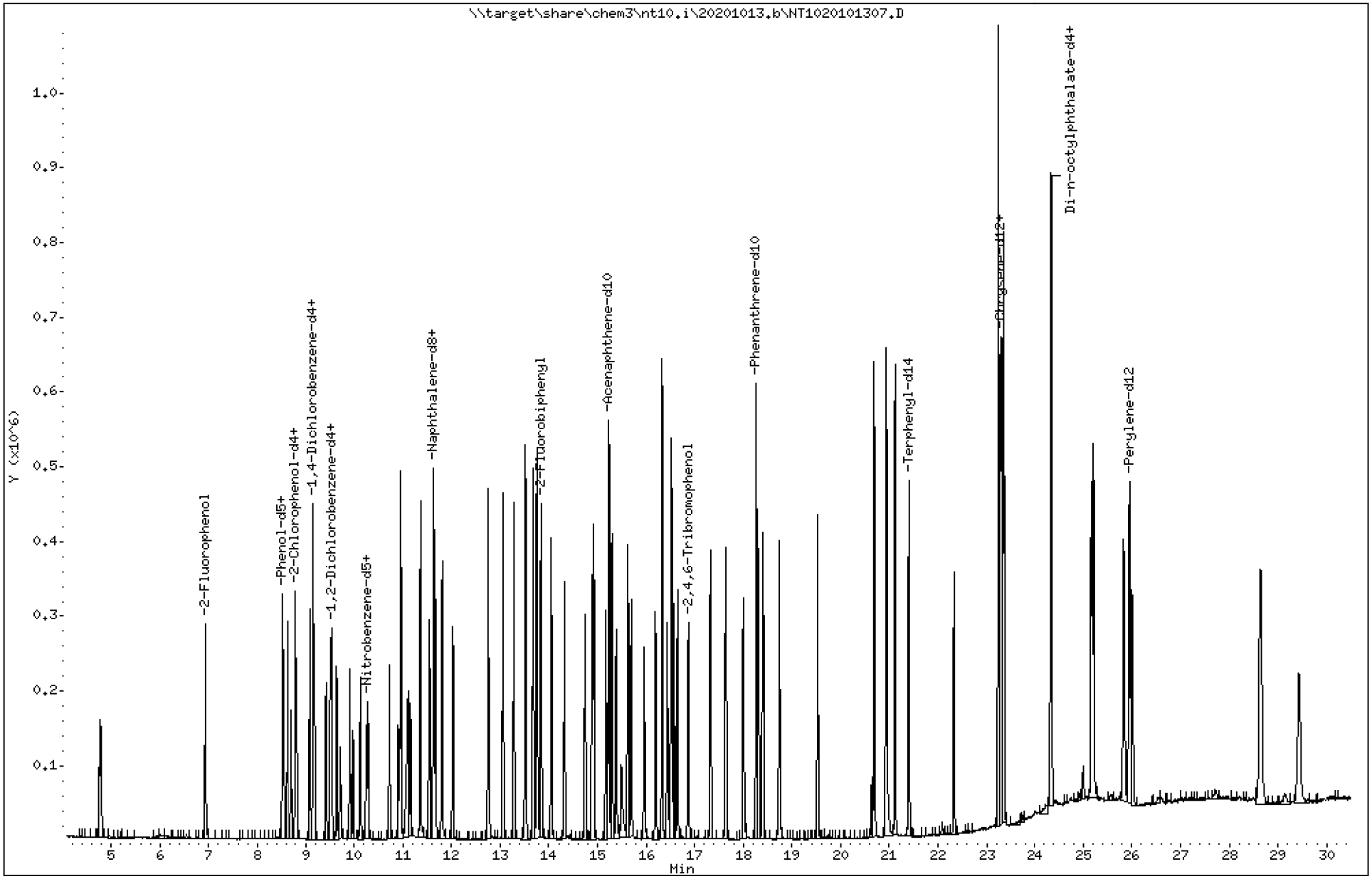


Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101307.D
Date : 13-OCT-2020 13:06
Client ID:
Sample Info: SIJ0179-CAL4

Column phase: ZB-5msi

Instrument: nt10.i

Operator: VTS
Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201013.b\NT1020101307.D
Lab Smp Id: SIJ0179-CAL4
Inj Date : 13-OCT-2020 13:06
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0179-CAL4
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Meth Date : 14-Oct-2020 11:16 yev Quant Type: ISTD
Cal Date : 13-OCT-2020 16:56 Cal File: NT1020101313.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	6.929	6.929	(0.757)	147325	3.75000	4.043
$	2 Phenol-d5	99	8.513	8.513	(0.930)	188228	3.75000	3.890
	3 Phenol	94	8.536	8.536	(0.932)	126570	2.50000	2.672
$	5 2-Chlorophenol-d4	132	8.791	8.799	(0.960)	170484	3.75000	3.782
	4 Bis(2-Chloroethyl)ether	93	8.706	8.706	(0.951)	99772	2.50000	2.561
	6 2-Chlorophenol	128	8.822	8.822	(0.964)	119217	2.50000	2.572
	7 1,3-Dichlorobenzene	146	9.093	9.093	(0.993)	134247	2.50000	2.488
*	8 1,4-Dichlorobenzene-d4	152	9.155	9.163	(1.000)	126325	4.00000	
	9 1,4-Dichlorobenzene	146	9.186	9.186	(1.003)	113510	2.50000	2.502
$	10 1,2-Dichlorobenzene-d4	152	9.512	9.520	(1.039)	76891	2.50000	2.504
	12 1,2-Dichlorobenzene	146	9.543	9.543	(1.042)	119719	2.50000	2.499
	11 Benzyl alcohol	108	9.427	9.427	(1.030)	61554	2.50000	2.461
	14 2,2'-oxybis(1-Chloropropane)	121	9.722	9.722	(1.062)	36149	2.50000	2.495
	13 2-Methylphenol	108	9.644	9.644	(1.053)	84407	2.50000	2.632
	17 Hexachloroethane	117	10.133	10.133	(1.107)	42999	2.50000	2.458
	16 N-Nitroso-di-n-propylamine	70	9.978	9.986	(1.090)	50273	2.50000	2.480
	15 4-Methylphenol	108	9.916	9.916	(1.083)	91403	2.50000	2.675
$	18 Nitrobenzene-d5	82	10.250	10.257	(0.881)	79068	2.50000	2.492
	19 Nitrobenzene	77	10.289	10.288	(0.884)	82863	2.50000	2.509
	20 Isophorone	82	10.731	10.731	(0.922)	163692	2.50000	2.397
	21 2-Nitrophenol	139	10.919	10.918	(0.938)	66685	2.50000	2.546
	22 2,4-Dimethylphenol	107	10.961	10.961	(0.942)	172608	5.00000	5.244
	23 Bis(2-Chloroethoxy)methane	93	11.156	11.156	(0.959)	92758	2.50000	2.490
	24 Benzoic acid	105	11.114	11.148	(0.955)	175265	10.0000	8.125
	25 2,4-Dichlorophenol	162	11.360	11.360	(0.976)	202016	5.00000	5.209
	26 1,2,4-Trichlorobenzene	180	11.550	11.550	(0.993)	106499	2.50000	2.507
*	27 Naphthalene-d8	136	11.635	11.635	(1.000)	410457	4.00000	
	28 Naphthalene	128	11.673	11.673	(1.003)	258509	2.50000	2.492
	29 4-Chloroaniline	127	11.812	11.812	(1.015)	244432	5.00000	5.309
	30 Hexachlorobutadiene	225	12.029	12.029	(1.034)	62755	2.50000	2.485
	31 4-Chloro-3-methylphenol	107	12.756	12.756	(1.096)	165721	5.00000	5.109
	32 2-Methylnaphthalene	142	13.058	13.066	(1.122)	245072	2.50000	2.570
	33 Hexachlorocyclopentadiene	237	13.523	13.522	(0.888)	169642	5.00000	5.168

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.677	13.685	(0.898)	157605	5.00000	5.323
	35 2,4,5-Trichlorophenol	196	13.755	13.754	(0.903)	174320	5.00000	5.314
$	36 2-Fluorobiphenyl	172	13.840	13.839	(0.909)	258460	2.50000	2.472
	37 2-Chloronaphthalene	162	14.057	14.056	(0.923)	240293	2.50000	2.549
	38 2-Nitroaniline	65	14.320	14.319	(0.940)	86230	5.00000	5.406
	39 Dimethylphthalate	163	14.745	14.745	(0.968)	233615	2.50000	2.581
	40 Acenaphthylene	152	14.923	14.923	(0.980)	337782	2.50000	2.270
	41 2,6-Dinitrotoluene	165	14.885	14.892	(0.977)	108955	5.00000	5.219
*	42 Acenaphthene-d10	164	15.233	15.232	(1.000)	231827	4.00000	
	43 3-Nitroaniline	138	15.171	15.171	(0.996)	120911	5.00000	5.307
	44 Acenaphthene	153	15.302	15.302	(1.005)	188478	2.50000	2.506
	45 2,4-Dinitrophenol	184	15.380	15.387	(1.010)	115591	10.0000	7.519
	46 Dibenzofuran	168	15.627	15.627	(1.026)	306368	2.50000	2.601
	47 4-Nitrophenol	109	15.488	15.488	(1.017)	34743	5.00000	4.939
	48 2,4-Dinitrotoluene	165	15.689	15.696	(1.030)	142080	5.00000	5.152
	50 Diethylphthalate	149	16.191	16.199	(1.063)	208099	2.50000	2.584
	49 Fluorene	166	16.338	16.338	(1.073)	243055	2.50000	2.514
	51 4-Chlorophenyl-phenylether	204	16.323	16.330	(1.072)	125938	2.50000	2.511
	52 4-Nitroaniline	138	16.439	16.446	(1.079)	149050	5.00000	5.263
	53 4,6-Dinitro-2-methylphenol	198	16.524	16.531	(0.905)	220793	10.0000	10.68
	54 N-Nitrosodiphenylamine	169	16.578	16.577	(0.908)	148057	2.50000	2.574
$	55 2,4,6-Tribromophenol	330	16.871	16.870	(1.108)	74020	3.75000	3.783
	56 4-Bromophenyl-phenylether	248	17.326	17.325	(0.949)	117440	2.50000	2.599
	57 Hexachlorobenzene	284	17.642	17.642	(0.966)	117075	2.50000	2.582
	58 Pentachlorophenol	266	17.999	17.998	(0.986)	88018	5.00000	4.479
*	59 Phenanthrene-d10	188	18.262	18.261	(1.000)	448003	4.00000	
	60 Phenanthrene	178	18.308	18.315	(1.003)	296187	2.50000	2.509
	61 Anthracene	178	18.401	18.408	(1.008)	328681	2.50000	2.566
	62 Carbazole	167	18.741	18.741	(1.026)	322374	2.50000	2.512
	63 Di-n-butylphthalate	149	19.530	19.530	(1.069)	400323	2.50000	2.539
	64 Fluoranthene	202	20.691	20.691	(0.888)	447145	2.50000	2.463
	65 Pyrene	202	21.117	21.116	(0.906)	465303	2.50000	2.480
$	66 Terphenyl-d14	244	21.403	21.403	(0.918)	323507	2.50000	2.471
	67 Butylbenzylphthalate	149	22.324	22.324	(0.958)	147016	2.50000	2.505
	68 Benzo(a)anthracene	228	23.277	23.276	(0.999)	386921	2.50000	2.463
*	69 Chrysene-d12	240	23.308	23.307	(1.000)	394109	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.238	23.238	(0.997)	470380	7.50000	7.639
	71 Chrysene	228	23.346	23.346	(1.002)	295867	2.50000	2.467
	72 bis(2-Ethylhexyl)phthalate	149	23.346	23.346	(0.959)	166982	2.50000	2.577
*	134 Di-n-octylphthalate-d4	153	24.337	24.337	(1.000)	548816	4.00000	
	73 Di-n-octylphthalate	149	24.345	24.345	(1.000)	365975	2.50000	2.541
	74 Benzo(b)fluoranthene	252	25.173	25.173	(0.970)	358856	2.50000	2.413
	75 Benzo(k)fluoranthene	252	25.212	25.220	(0.972)	409798	2.50000	2.636
	76 Benzo(a)pyrene	252	25.832	25.831	(0.996)	335461	2.50000	2.476
*	77 Perylene-d12	264	25.948	25.947	(1.000)	398642	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	28.637	28.637	(1.104)	322219	2.50000	2.504
	79 Dibenzo(a,h)anthracene	278	28.653	28.660	(1.104)	260535	2.50000	2.544
	80 Benzo(g,h,i)perylene	276	29.429	29.437	(1.134)	278175	2.50000	2.507
	90 N-Nitrosodimethylamine	74	4.766	4.766	(0.521)	109076	5.00000	5.436
	91 Aniline	93	8.614	8.621	(0.941)	187902	5.00000	5.151
	93 Benzidine	184	20.939	20.938	(0.898)	525731	5.00000	5.657
	103 Pyridine	79	4.790	4.782	(0.523)	84093	2.50000	2.620
	105 1-methylnaphthalene	142	13.283	13.290	(1.142)	228543	2.50000	2.558
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.647	16.654	(1.093)	184773	2.50000	2.551

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.212	25.220	(0.972)	732468	5.00000	4.995
99 Perylene	252	26.002	26.009	(1.002)	269262	2.50000	2.525
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	15.959	15.967	(1.048)	71311	2.50000	2.233

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020101307.D
Lab Smp Id: SIJ0179-CAL4
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Misc Info:

Calibration Date: 13-OCT-2020
Calibration Time: 17:35
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	110213	55107	220426	126325	14.62
27 Naphthalene-d8	370084	185042	740168	410457	10.91
42 Acenaphthene-d10	214945	107473	429890	231827	7.85
59 Phenanthrene-d10	425380	212690	850760	448003	5.32
69 Chrysene-d12	373197	186599	746394	394109	5.60
134 Di-n-octylphthala	566375	283188	1132750	548816	-3.10
77 Perylene-d12	391129	195565	782258	398642	1.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	-0.00
27 Naphthalene-d8	11.64	11.14	12.14	11.64	-0.00
42 Acenaphthene-d10	15.24	14.74	15.74	15.23	-0.05
59 Phenanthrene-d10	18.27	17.77	18.77	18.26	-0.04
69 Chrysene-d12	23.31	22.81	23.81	23.31	-0.00
134 Di-n-octylphthala	24.34	23.84	24.84	24.34	-0.00
77 Perylene-d12	25.96	25.46	26.46	25.95	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020101307.D

Lab ID: SIJ0179-CAL4
nt10.i, ABN.m, 13-OCT-2020 13:06

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
NONE			

RRT check based on Ccal File: NT1020101314.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101309.D

Page 1

Date : 13-OCT-2020 14:23

Client ID:

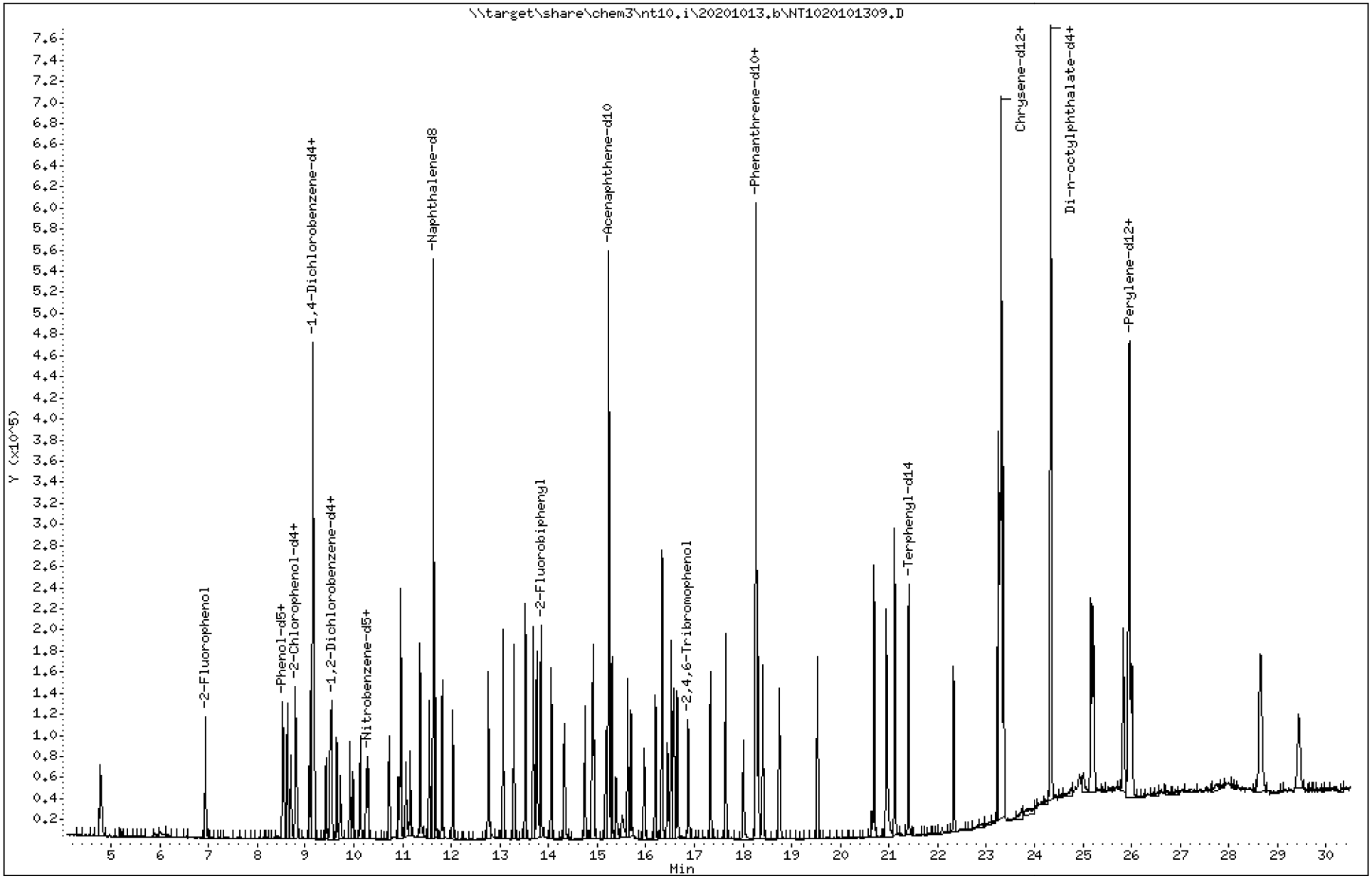
Instrument: nt10.i

Sample Info: SIJ0179-CAL3

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201013.b\NT1020101309.D
Lab Smp Id: SIJ0179-CAL3
Inj Date : 13-OCT-2020 14:23
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0179-CAL3
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Meth Date : 14-Oct-2020 11:16 yev Quant Type: ISTD
Cal Date : 13-OCT-2020 16:56 Cal File: NT1020101313.D
Als bottle: 9 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	6.929	6.929	(0.757)	63550	1.50000	1.577
$ 2 Phenol-d5	99	8.513	8.513	(0.930)	75991	1.50000	1.420
3 Phenol	94	8.536	8.536	(0.932)	54985	1.00000	1.049
$ 5 2-Chlorophenol-d4	132	8.791	8.799	(0.960)	75586	1.50000	1.516
4 Bis(2-Chloroethyl)ether	93	8.706	8.706	(0.951)	43780	1.00000	1.016
6 2-Chlorophenol	128	8.822	8.822	(0.964)	54608	1.00000	1.065
7 1,3-Dichlorobenzene	146	9.093	9.093	(0.993)	62025	1.00000	1.039
* 8 1,4-Dichlorobenzene-d4	152	9.155	9.163	(1.000)	139725	4.00000	
9 1,4-Dichlorobenzene	146	9.186	9.186	(1.003)	50718	1.00000	1.011
$ 10 1,2-Dichlorobenzene-d4	152	9.512	9.520	(1.039)	33766	1.00000	0.9943
12 1,2-Dichlorobenzene	146	9.543	9.543	(1.042)	55543	1.00000	1.048
11 Benzyl alcohol	108	9.427	9.427	(1.030)	22437	1.00000	0.8085
14 2,2'-oxybis(1-Chloropropane)	121	9.722	9.722	(1.062)	16160	1.00000	1.008
13 2-Methylphenol	108	9.644	9.644	(1.053)	36213	1.00000	1.021
17 Hexachloroethane	117	10.133	10.133	(1.107)	18445	1.00000	0.9531
16 N-Nitroso-di-n-propylamine	70	9.978	9.986	(1.090)	21686	1.00000	0.9671
15 4-Methylphenol	108	9.916	9.916	(1.083)	39518	1.00000	1.046
$ 18 Nitrobenzene-d5	82	10.249	10.257	(0.881)	33937	1.00000	1.002
19 Nitrobenzene	77	10.288	10.288	(0.884)	35303	1.00000	1.002
20 Isophorone	82	10.723	10.731	(0.922)	68842	1.00000	0.9444
21 2-Nitrophenol	139	10.910	10.918	(0.938)	28402	1.00000	1.016
22 2,4-Dimethylphenol	107	10.961	10.961	(0.942)	80463	2.00000	2.290
23 Bis(2-Chloroethoxy)methane	93	11.156	11.156	(0.959)	43705	1.00000	1.099
24 Benzoic acid	105	11.071	11.148	(0.952)	44980	4.00000	1.941
25 2,4-Dichlorophenol	162	11.360	11.360	(0.976)	88077	2.00000	2.128
26 1,2,4-Trichlorobenzene	180	11.550	11.550	(0.993)	47629	1.00000	1.050
* 27 Naphthalene-d8	136	11.635	11.635	(1.000)	438090	4.00000	
28 Naphthalene	128	11.673	11.673	(1.003)	112700	1.00000	1.018
29 4-Chloroaniline	127	11.812	11.812	(1.015)	98859	2.00000	2.012
30 Hexachlorobutadiene	225	12.036	12.029	(1.035)	28005	1.00000	1.039
31 4-Chloro-3-methylphenol	107	12.756	12.756	(1.096)	64910	2.00000	1.875
32 2-Methylnaphthalene	142	13.066	13.066	(1.123)	97664	1.00000	0.9596
33 Hexachlorocyclopentadiene	237	13.522	13.522	(0.888)	66666	2.00000	1.946

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.685	13.685	(0.898)	62919	2.00000	2.037
	35 2,4,5-Trichlorophenol	196	13.754	13.754	(0.903)	65255	2.00000	1.907
$	36 2-Fluorobiphenyl	172	13.839	13.839	(0.909)	113293	1.00000	1.039
	37 2-Chloronaphthalene	162	14.048	14.056	(0.922)	102697	1.00000	1.044
	38 2-Nitroaniline	65	14.319	14.319	(0.940)	32438	2.00000	1.949
	39 Dimethylphthalate	163	14.745	14.745	(0.968)	105080	1.00000	1.113
	40 Acenaphthylene	152	14.923	14.923	(0.980)	168412	1.00000	1.085
	41 2,6-Dinitrotoluene	165	14.884	14.892	(0.977)	46576	2.00000	2.138
*	42 Acenaphthene-d10	164	15.232	15.232	(1.000)	241898	4.00000	
	43 3-Nitroaniline	138	15.178	15.171	(0.996)	47644	2.00000	2.004
	44 Acenaphthene	153	15.302	15.302	(1.005)	78955	1.00000	1.006
	45 2,4-Dinitrophenol	184	15.387	15.387	(1.010)	26419	4.00000	1.644
	46 Dibenzofuran	168	15.627	15.627	(1.026)	121444	1.00000	0.9881
	47 4-Nitrophenol	109	15.503	15.488	(1.018)	13715	2.00000	1.869(M)
	48 2,4-Dinitrotoluene	165	15.688	15.696	(1.030)	56102	2.00000	1.950
	50 Diethylphthalate	149	16.191	16.199	(1.063)	91326	1.00000	1.087
	49 Fluorene	166	16.338	16.338	(1.073)	105814	1.00000	1.049
	51 4-Chlorophenyl-phenylether	204	16.323	16.330	(1.072)	56092	1.00000	1.072
	52 4-Nitroaniline	138	16.446	16.446	(1.080)	59696	2.00000	2.020
	53 4,6-Dinitro-2-methylphenol	198	16.523	16.531	(0.904)	81489	4.00000	3.746
	54 N-Nitrosodiphenylamine	169	16.577	16.577	(0.907)	67134	1.00000	1.109
$	55 2,4,6-Tribromophenol	330	16.870	16.870	(1.108)	30192	1.50000	1.479
	56 4-Bromophenyl-phenylether	248	17.325	17.325	(0.948)	49134	1.00000	1.033
	57 Hexachlorobenzene	284	17.642	17.642	(0.966)	53656	1.00000	1.124
	58 Pentachlorophenol	266	18.006	17.998	(0.986)	29290	2.00000	1.404
*	59 Phenanthrene-d10	188	18.269	18.261	(1.000)	471413	4.00000	
	60 Phenanthrene	178	18.315	18.315	(1.003)	127600	1.00000	1.027
	61 Anthracene	178	18.401	18.408	(1.007)	136787	1.00000	1.015
	62 Carbazole	167	18.741	18.741	(1.026)	135838	1.00000	1.006
	63 Di-n-butylphthalate	149	19.530	19.530	(1.069)	160823	1.00000	0.9695
	64 Fluoranthene	202	20.691	20.691	(0.888)	185760	1.00000	0.9697
	65 Pyrene	202	21.116	21.116	(0.906)	194684	1.00000	0.9831
$	66 Terphenyl-d14	244	21.403	21.403	(0.919)	146141	1.00000	1.058
	67 Butylbenzylphthalate	149	22.324	22.324	(0.958)	63288	1.00000	1.022
	68 Benzo(a)anthracene	228	23.276	23.276	(0.999)	173124	1.00000	1.044
*	69 Chrysene-d12	240	23.300	23.307	(1.000)	415913	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.238	23.238	(0.997)	190094	3.00000	2.925
	71 Chrysene	228	23.346	23.346	(1.002)	126477	1.00000	0.9994
	72 bis(2-Ethylhexyl)phthalate	149	23.346	23.346	(0.959)	67453	1.00000	1.020
*	134 Di-n-octylphthalate-d4	153	24.337	24.337	(1.000)	559852	4.00000	
	73 Di-n-octylphthalate	149	24.345	24.345	(1.000)	151397	1.00000	1.031
	74 Benzo(b)fluoranthene	252	25.165	25.173	(0.970)	150310	1.00000	0.9670
	75 Benzo(k)fluoranthene	252	25.212	25.220	(0.971)	173981	1.00000	1.071
	76 Benzo(a)pyrene	252	25.831	25.831	(0.995)	139906	1.00000	0.9879
*	77 Perylene-d12	264	25.955	25.947	(1.000)	416653	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	28.637	28.637	(1.103)	141766	1.00000	1.054
	79 Dibenzo(a,h)anthracene	278	28.660	28.660	(1.104)	117873	1.00000	1.101
	80 Benzo(g,h,i)perylene	276	29.437	29.437	(1.134)	123149	1.00000	1.062
	90 N-Nitrosodimethylamine	74	4.766	4.766	(0.521)	44012	2.00000	1.983
	91 Aniline	93	8.613	8.621	(0.941)	82356	2.00000	2.041
	93 Benzidine	184	20.938	20.938	(0.899)	223310	2.00000	2.521
	103 Pyridine	79	4.797	4.782	(0.524)	37073	1.00000	1.044
	105 1-methylnaphthalene	142	13.282	13.290	(1.142)	92312	1.00000	0.9679
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.647	16.654	(1.093)	79176	1.00000	1.047

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.165	25.220	(0.970)	313655	2.00000	2.046
99 Perylene	252	26.002	26.009	(1.002)	113418	1.00000	1.018
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	15.967	15.967	(1.048)	27702	1.00000	0.8252

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020101309.D
Lab Smp Id: SIJ0179-CAL3
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Misc Info:

Calibration Date: 13-OCT-2020
Calibration Time: 17:35
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	110213	55107	220426	139725	26.78
27 Naphthalene-d8	370084	185042	740168	438090	18.38
42 Acenaphthene-d10	214945	107473	429890	241898	12.54
59 Phenanthrene-d10	425380	212690	850760	471413	10.82
69 Chrysene-d12	373197	186599	746394	415913	11.45
134 Di-n-octylphthala	566375	283188	1132750	559852	-1.15
77 Perylene-d12	391129	195565	782258	416653	6.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	-0.00
27 Naphthalene-d8	11.64	11.14	12.14	11.64	-0.00
42 Acenaphthene-d10	15.24	14.74	15.74	15.23	-0.05
59 Phenanthrene-d10	18.27	17.77	18.77	18.27	-0.00
69 Chrysene-d12	23.31	22.81	23.81	23.30	-0.03
134 Di-n-octylphthala	24.34	23.84	24.84	24.34	-0.00
77 Perylene-d12	25.96	25.46	26.46	25.96	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020101309.D

Lab ID: SIJ0179-CAL3
nt10.i, ABN.m, 13-OCT-2020 14:23

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.952	0.958	-0.0066	Benzoic acid

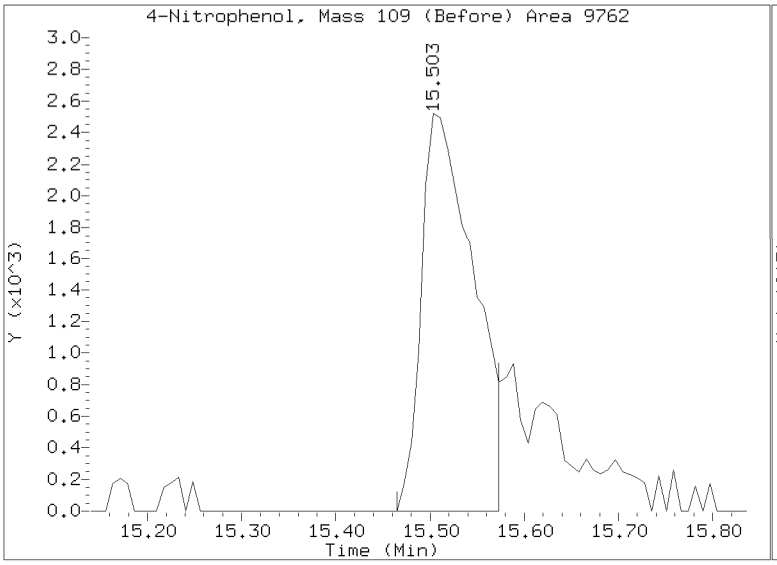
RRT check based on Ccal File: NT1020101314.D

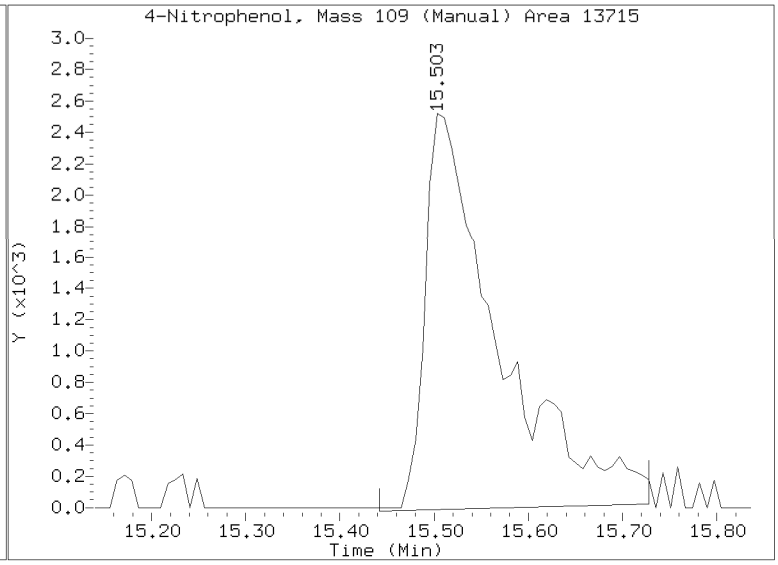
On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20201013.b/NT1020101309.D
Injection Date: 13-OCT-2020 14:23
Lab ID:SIJ0179-CAL3 Client ID:
Report Date: 10/14/2020 15:43





Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Page 1

Date : 13-OCT-2020 15:40

Client ID:

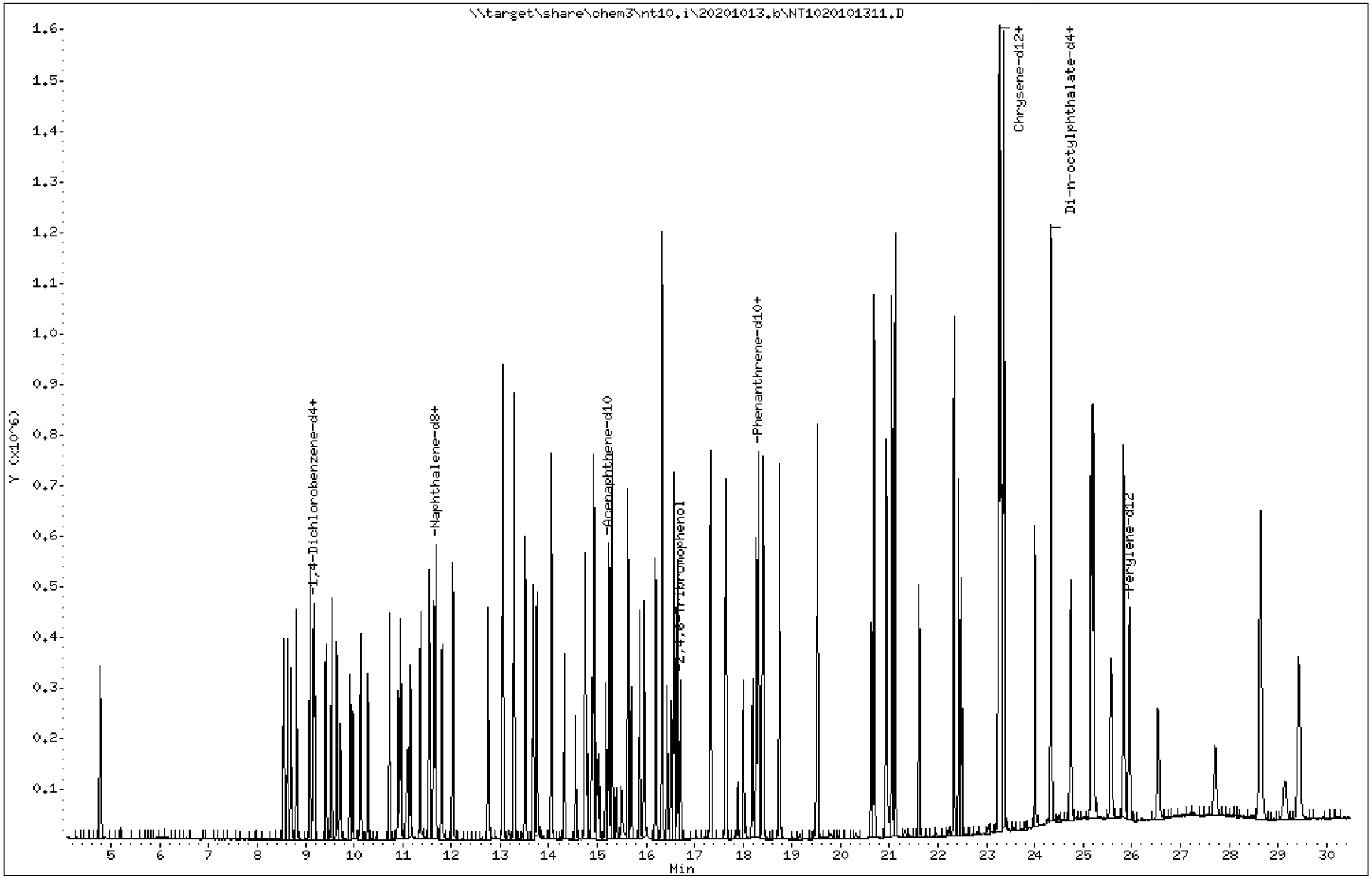
Instrument: nt10.i

Sample Info: SIJ0179-SCV1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

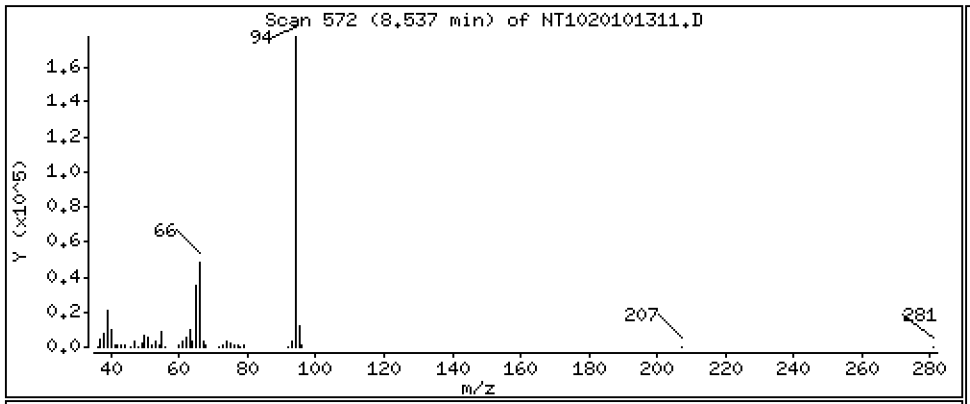
Operator: VTS

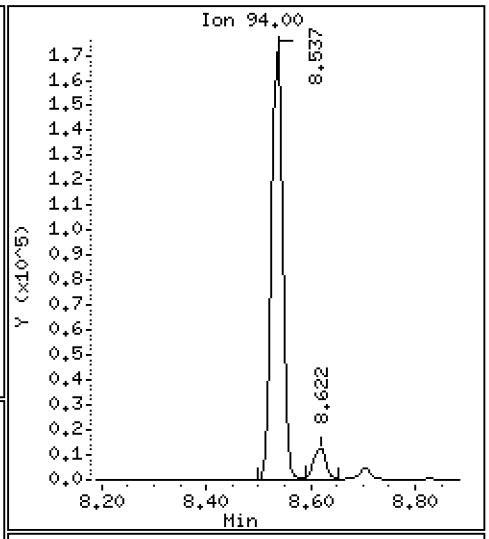
Column phase: ZB-5msi

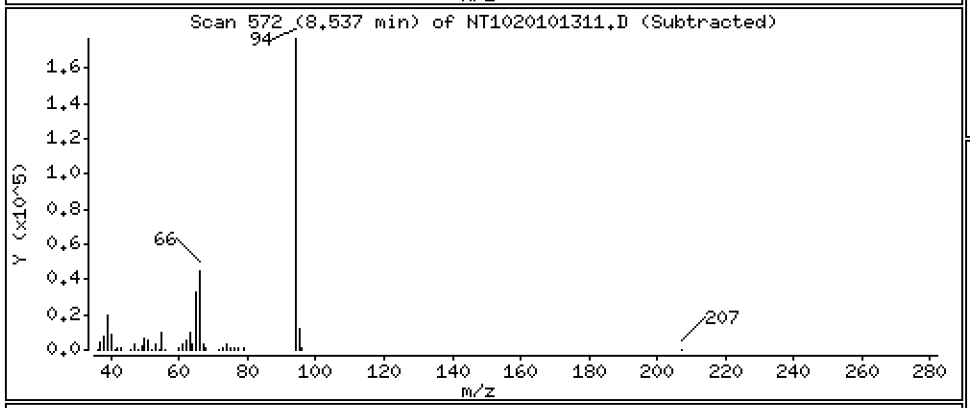
Column diameter: 0.25

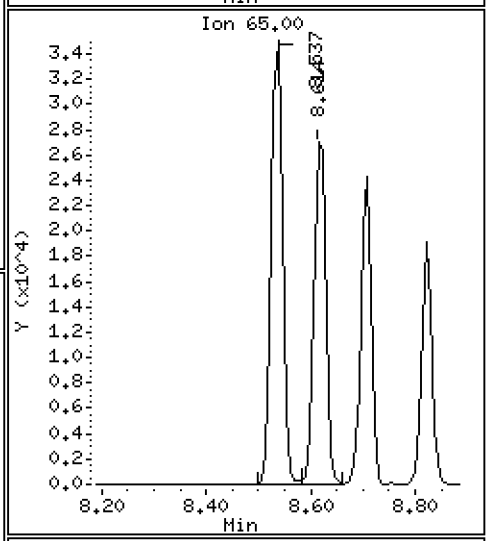
3 Phenol

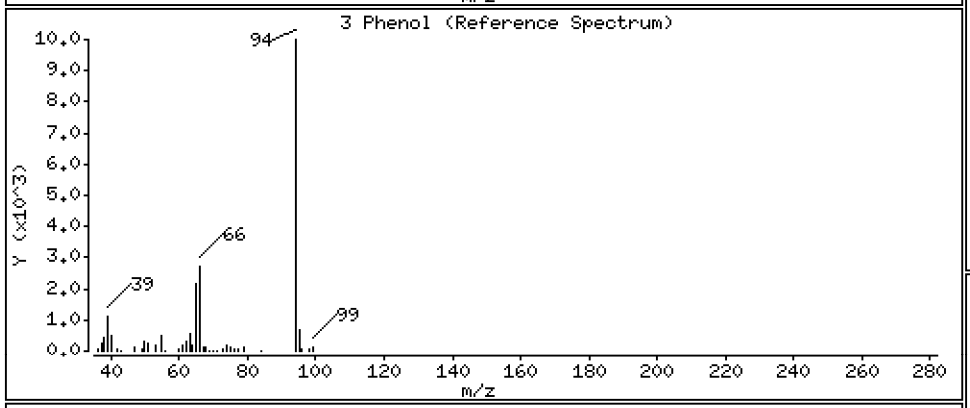
Concentration: 5.127 ug/mL

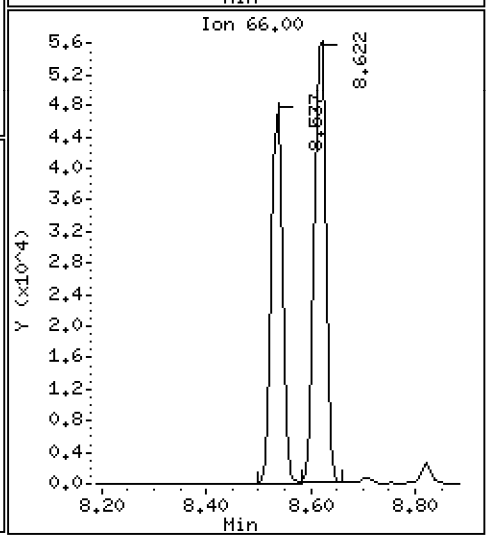


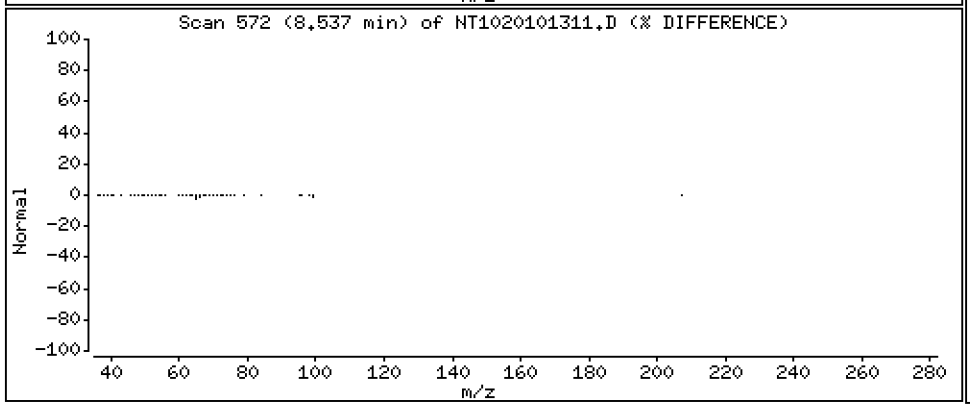












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

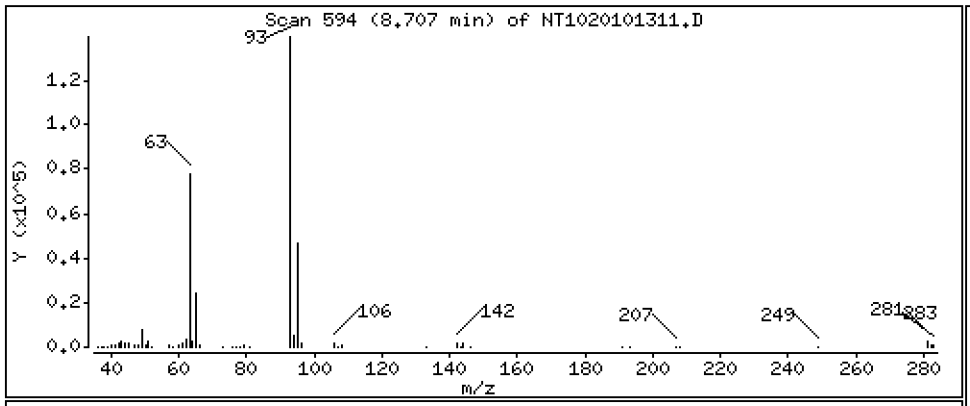
Operator: VTS

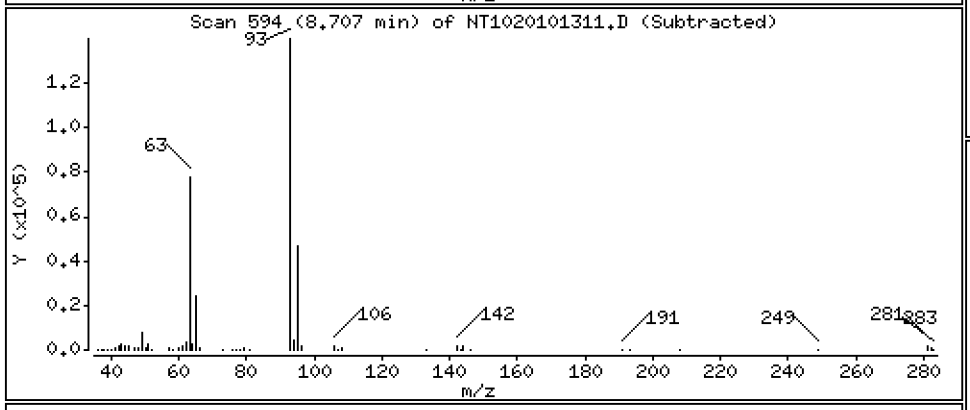
Column phase: ZB-5msi

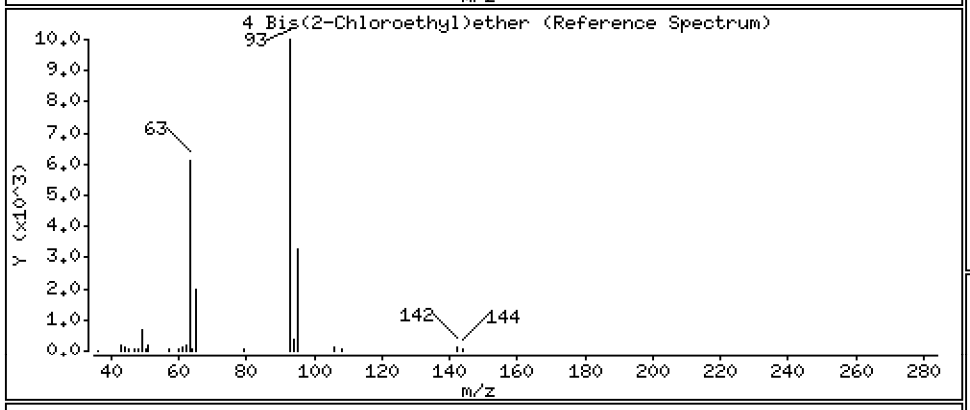
Column diameter: 0.25

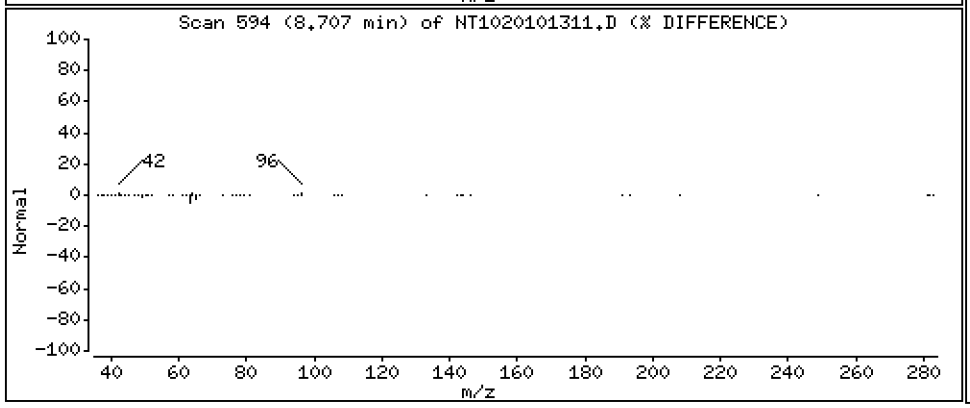
4 Bis(2-Chloroethyl)ether

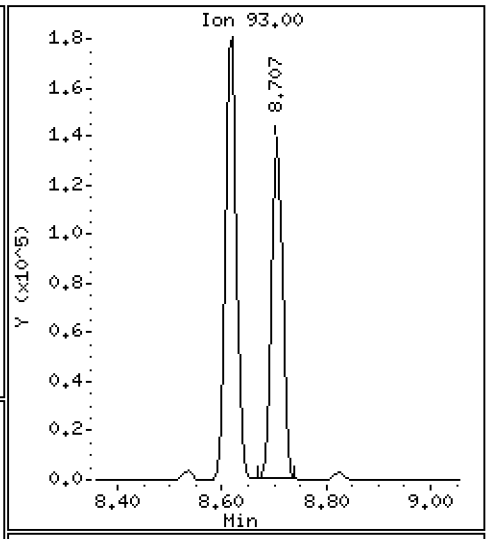
Concentration: 4.920 ug/mL

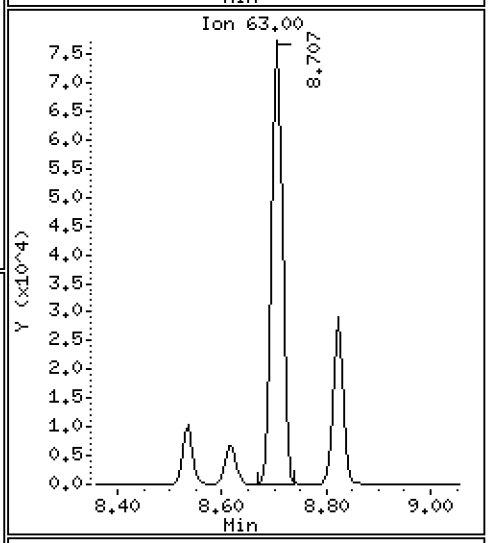


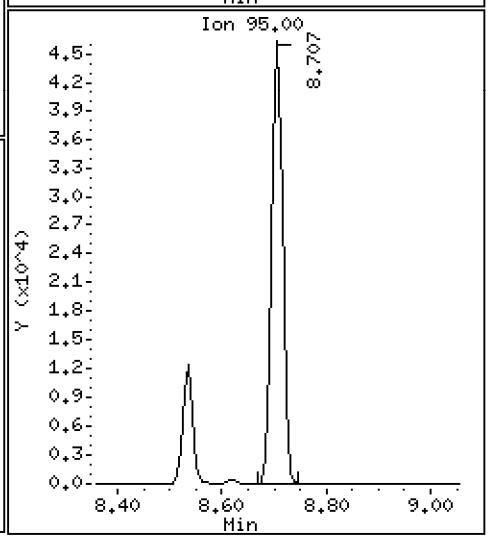












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

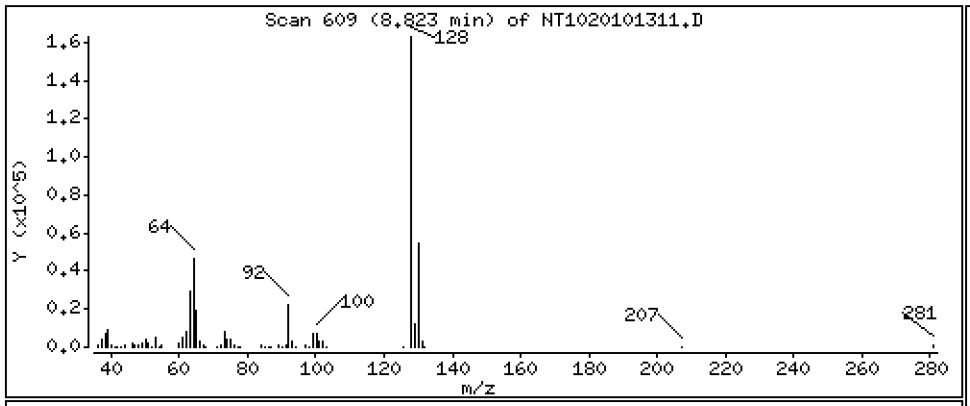
Operator: VTS

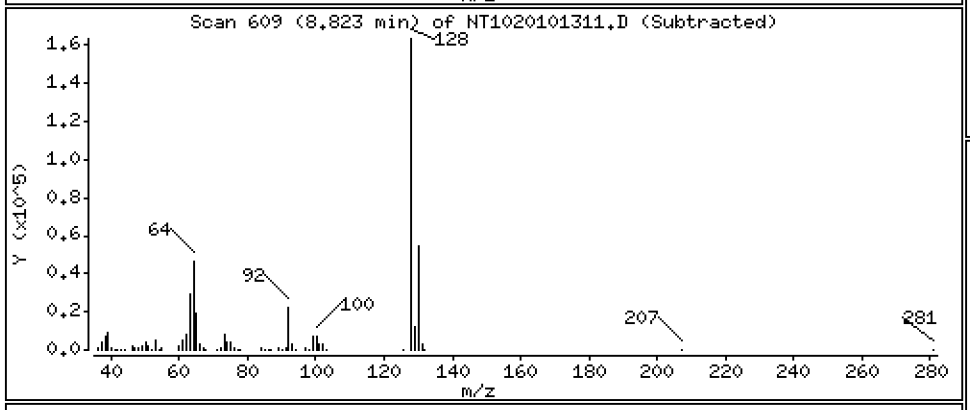
Column phase: ZB-5msi

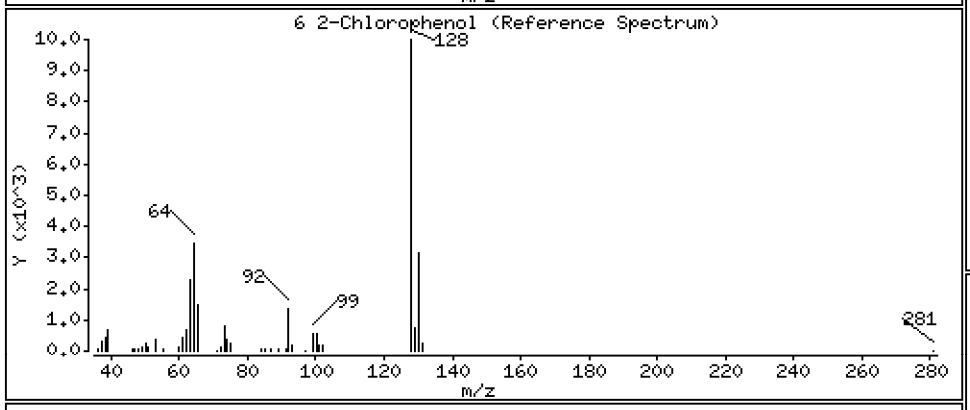
Column diameter: 0.25

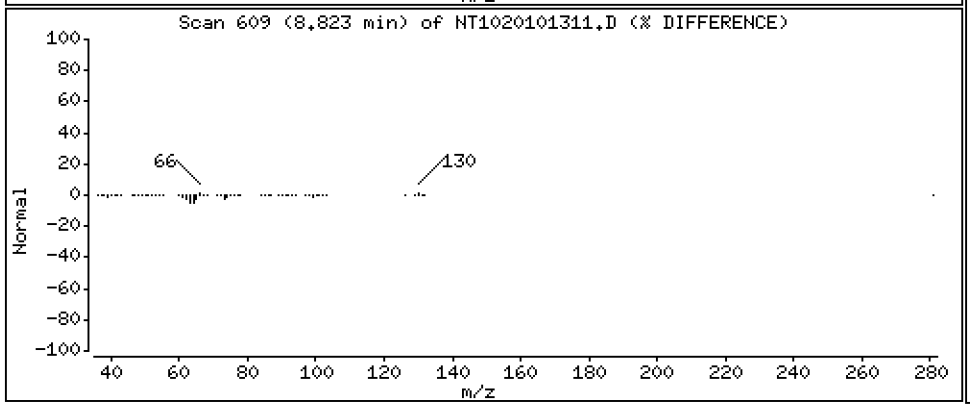
6 2-Chlorophenol

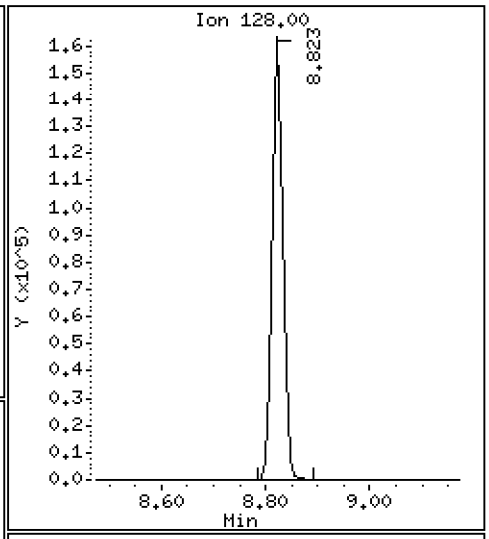
Concentration: 4.921 ug/mL

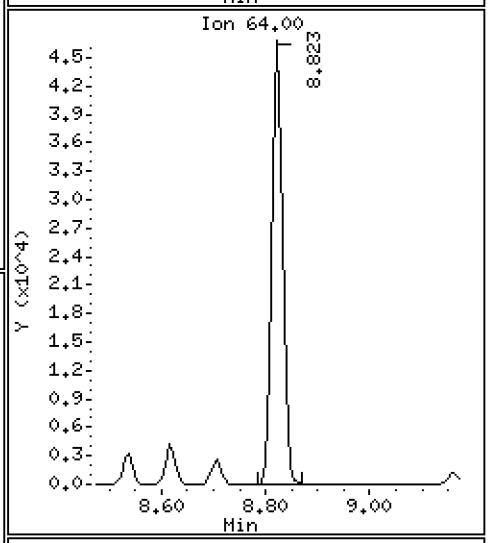


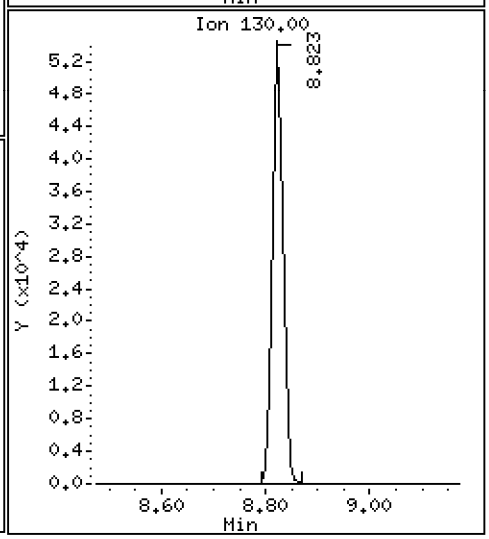












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

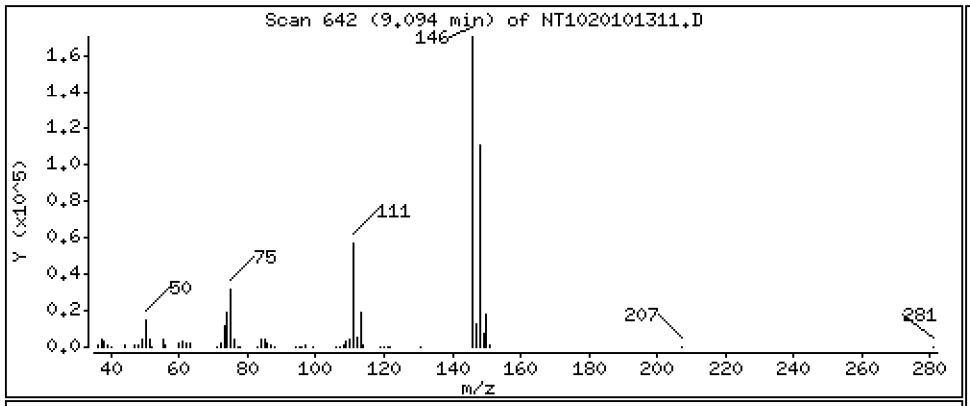
Operator: VTS

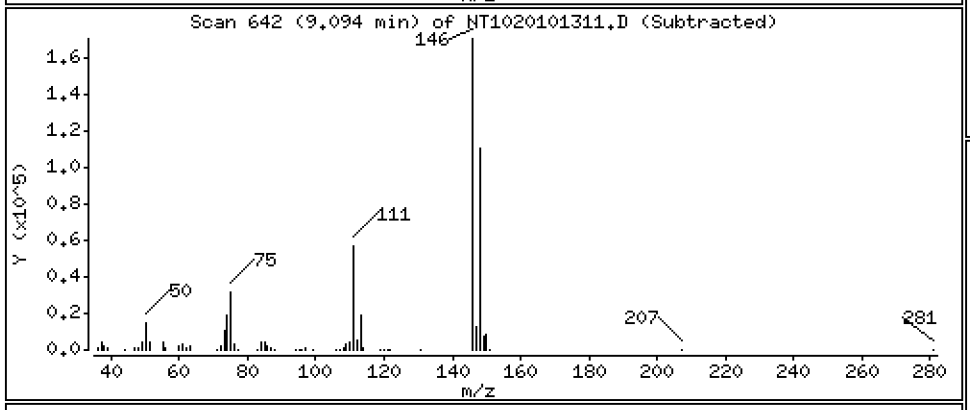
Column phase: ZB-5msi

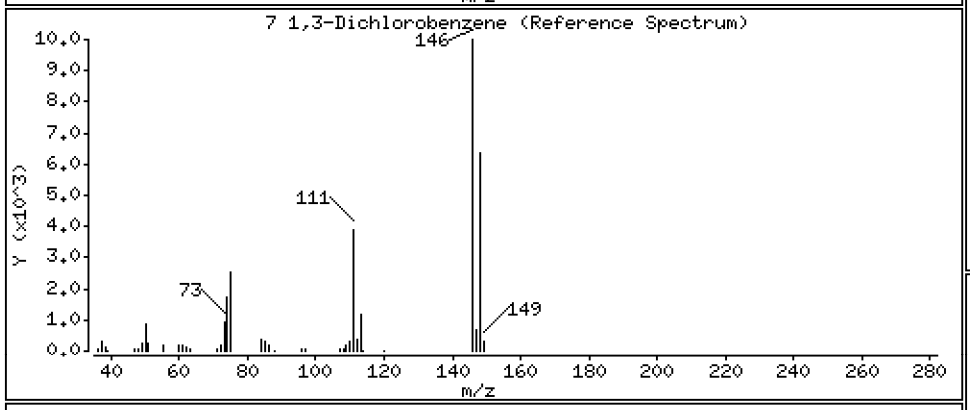
Column diameter: 0.25

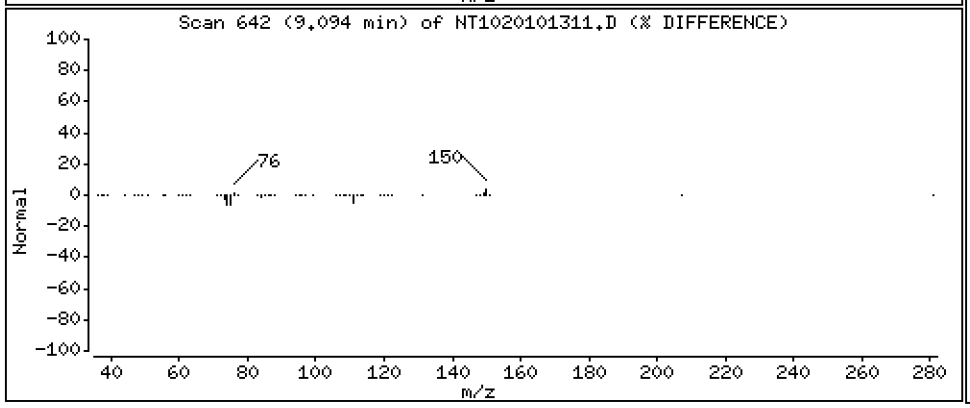
7 1,3-Dichlorobenzene

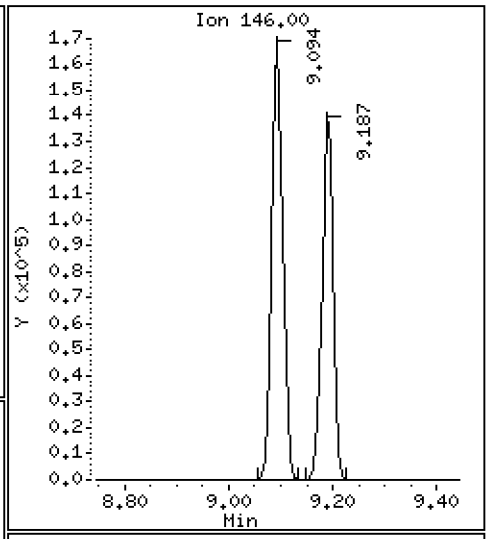
Concentration: 4.579 ug/mL

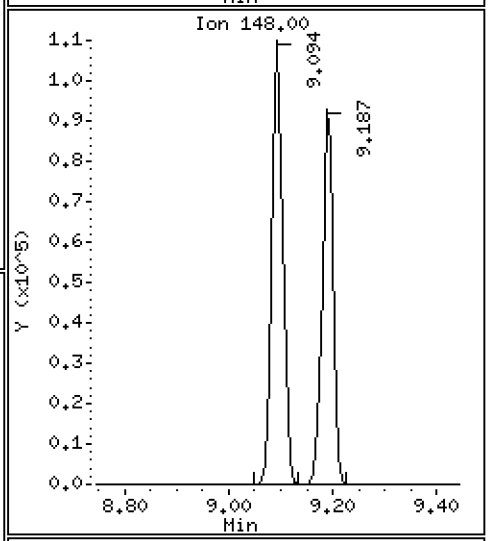


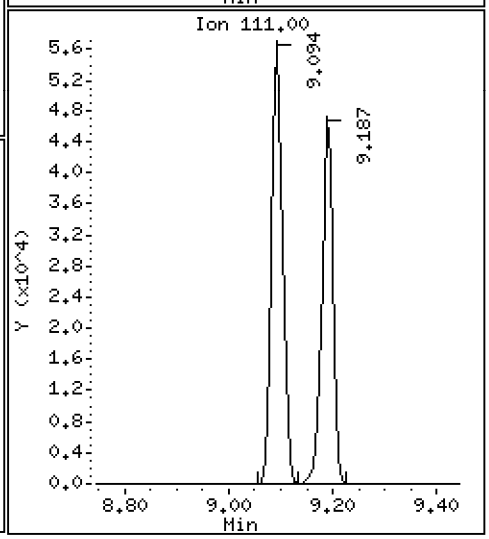












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

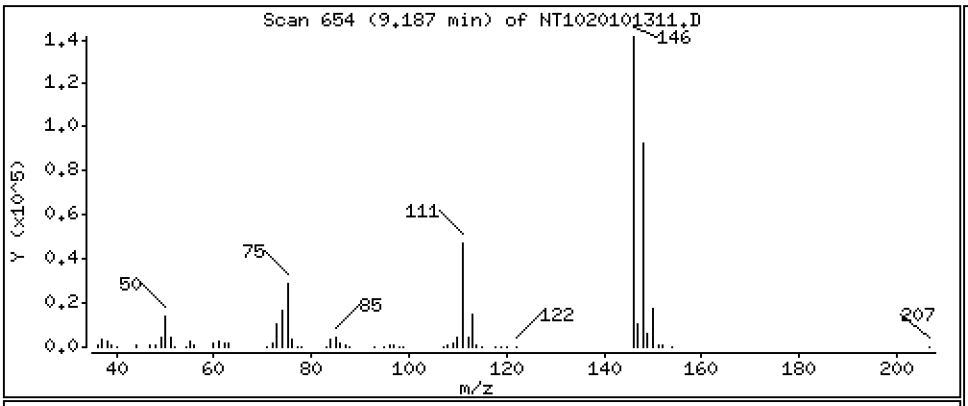
Operator: VTS

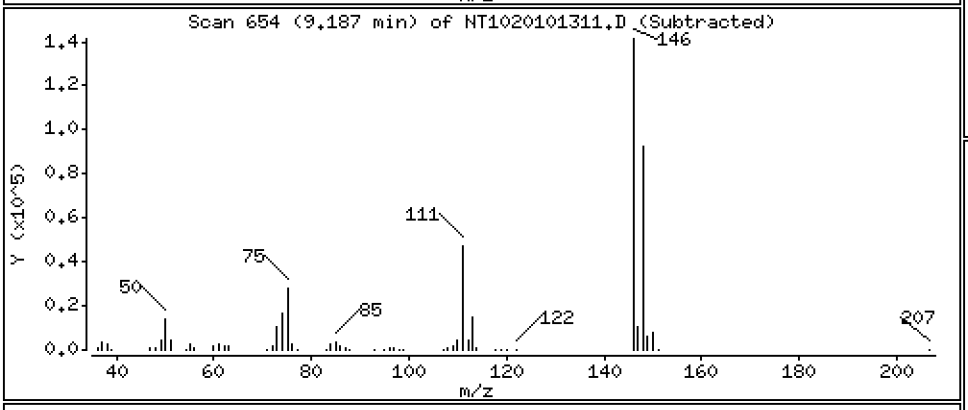
Column phase: ZB-5msi

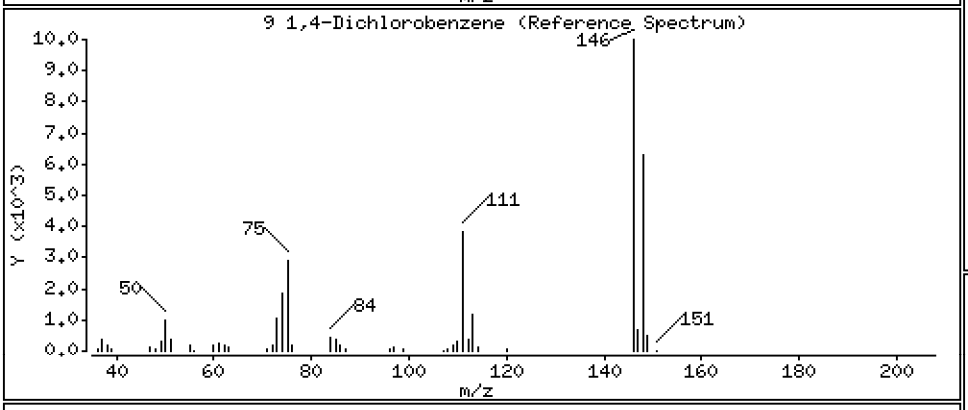
Column diameter: 0.25

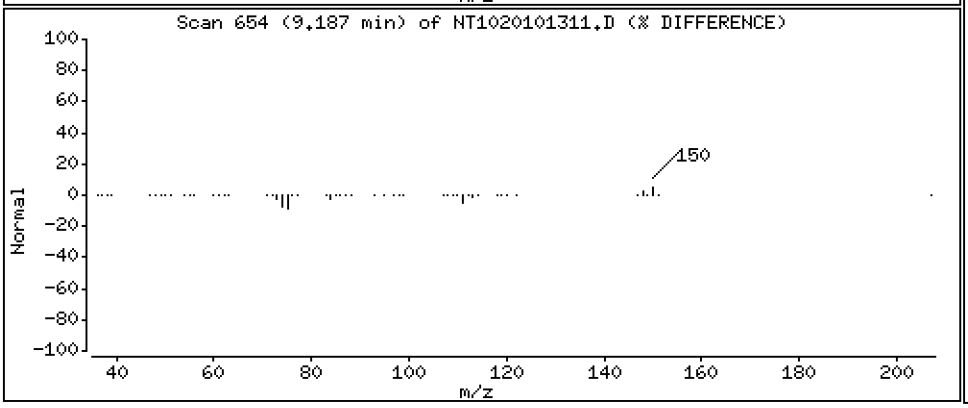
9 1,4-Dichlorobenzene

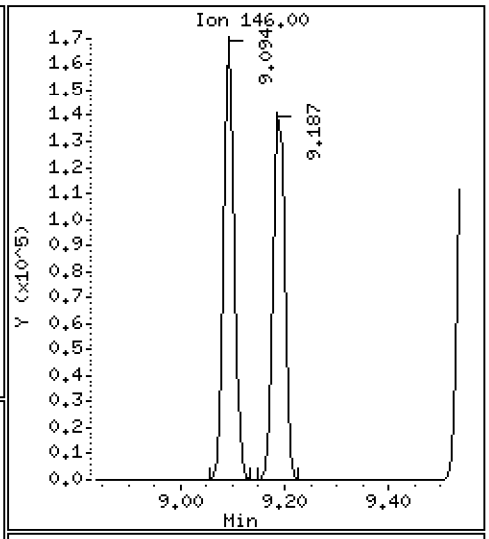
Concentration: 4.559 ug/mL

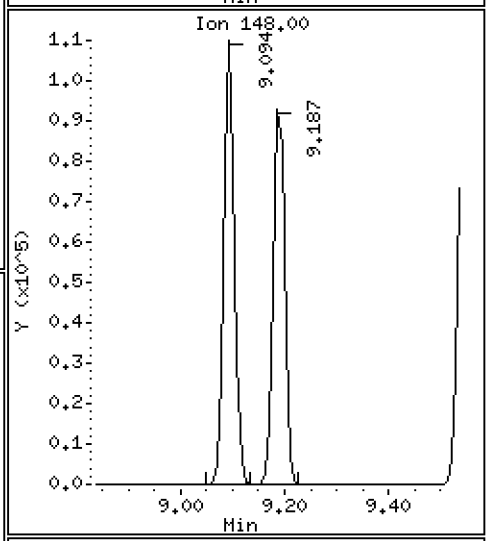


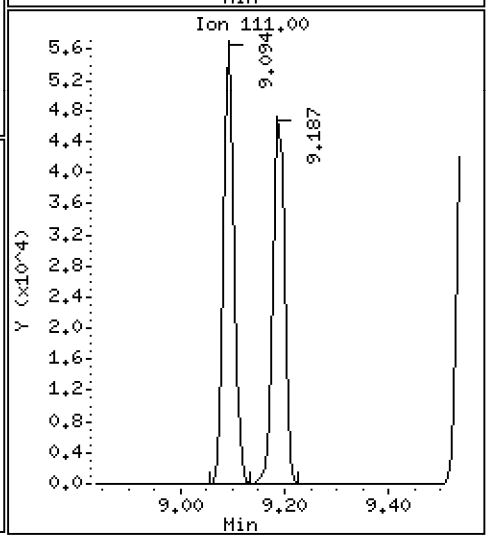












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

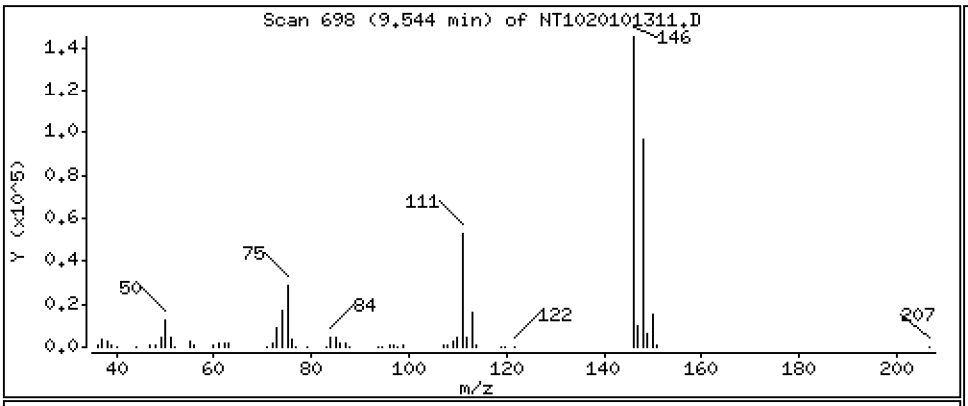
Operator: VTS

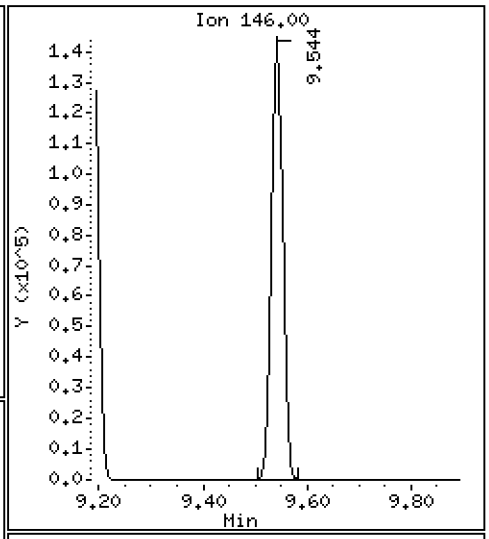
Column phase: ZB-5msi

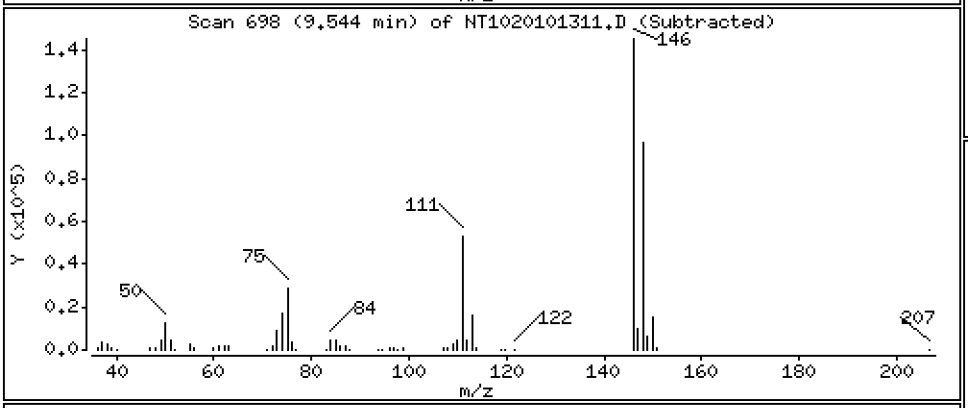
Column diameter: 0.25

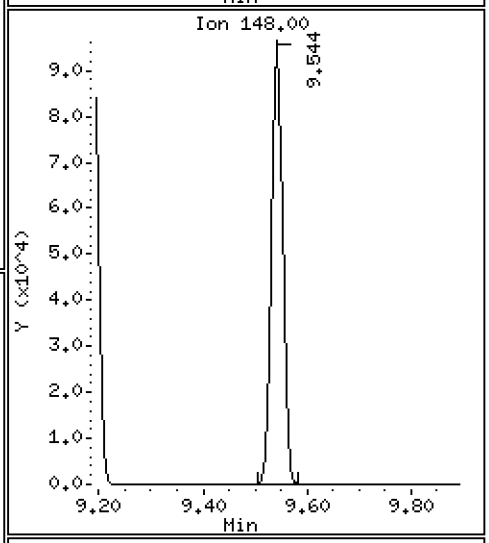
12 1,2-Dichlorobenzene

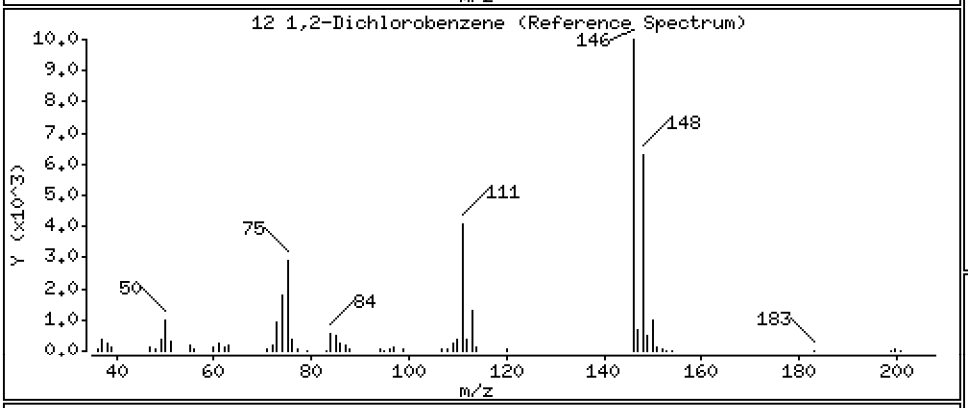
Concentration: 4.335 ug/mL

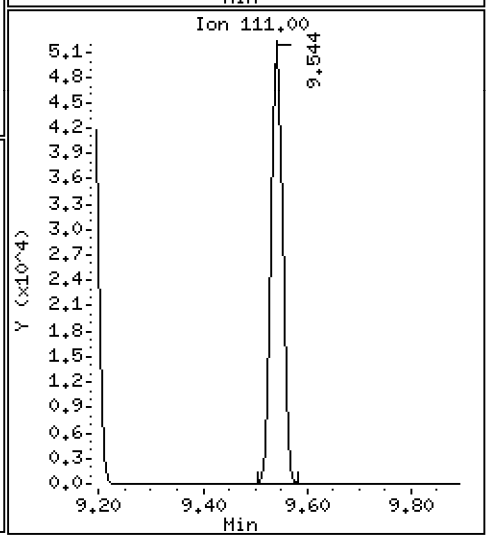


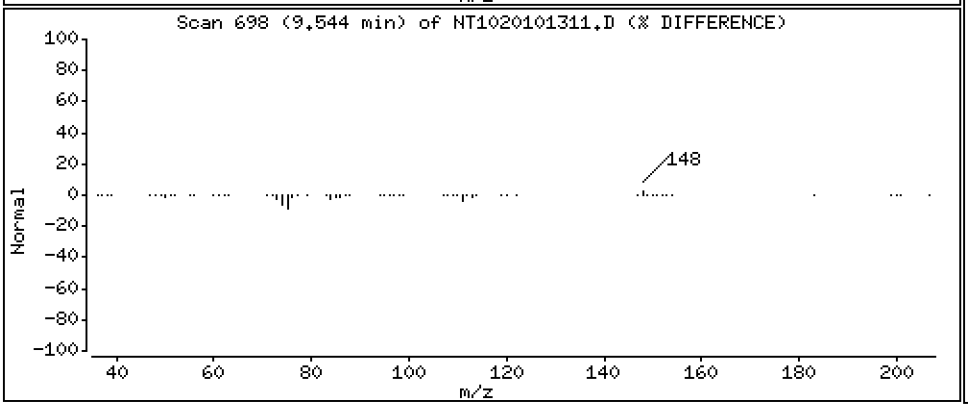












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

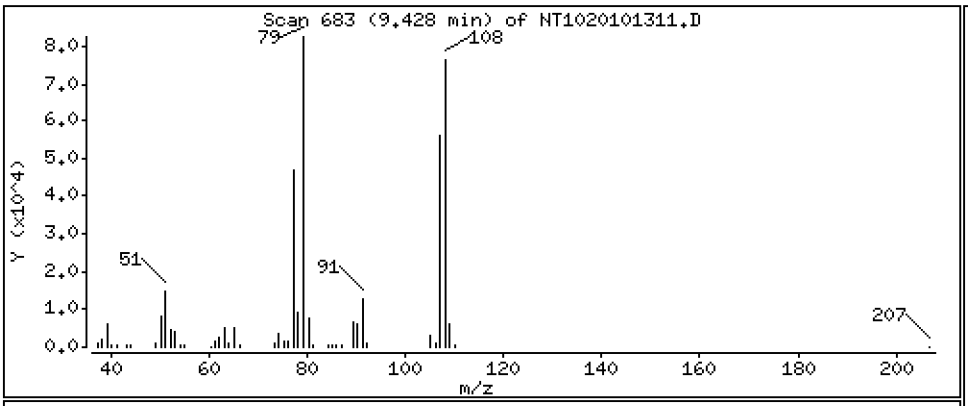
Operator: VTS

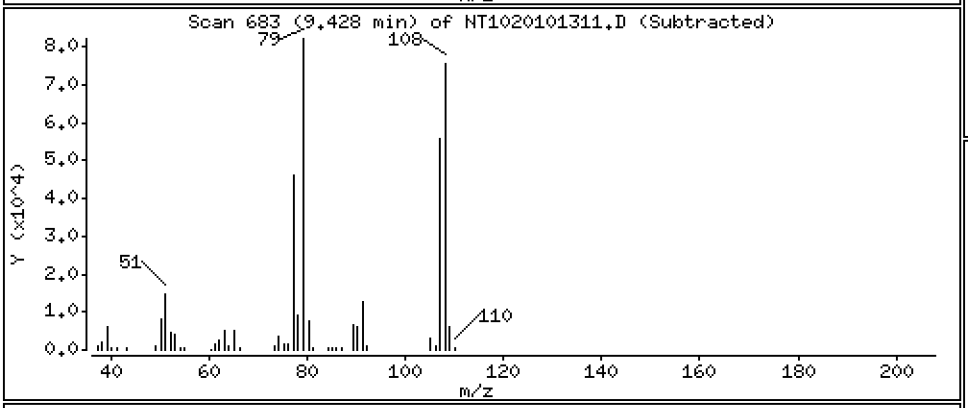
Column phase: ZB-5msi

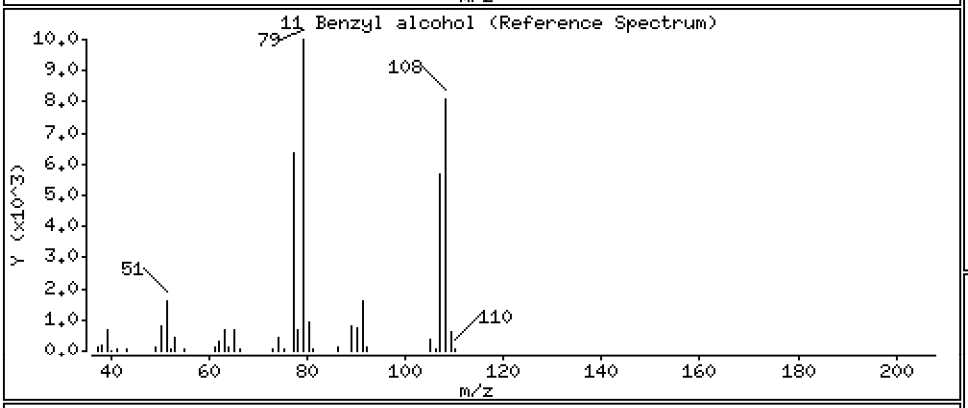
Column diameter: 0.25

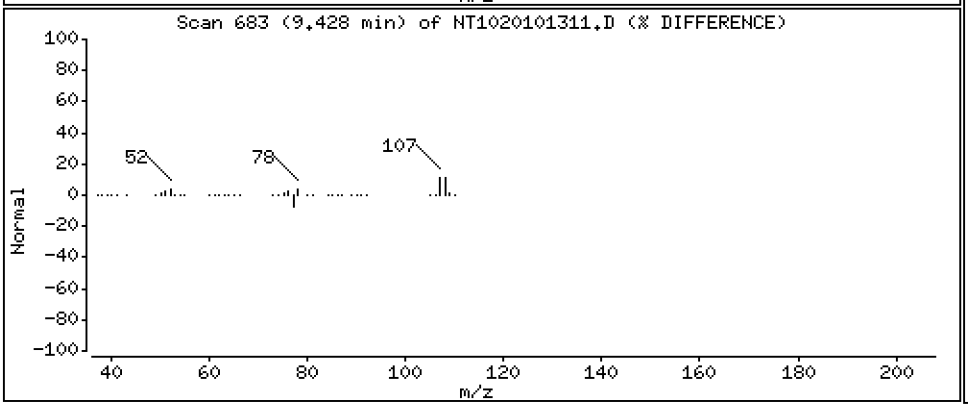
11 Benzyl alcohol

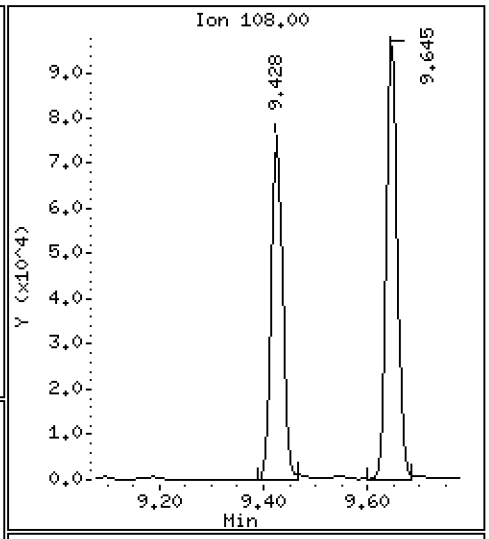
Concentration: 4.424 ug/mL

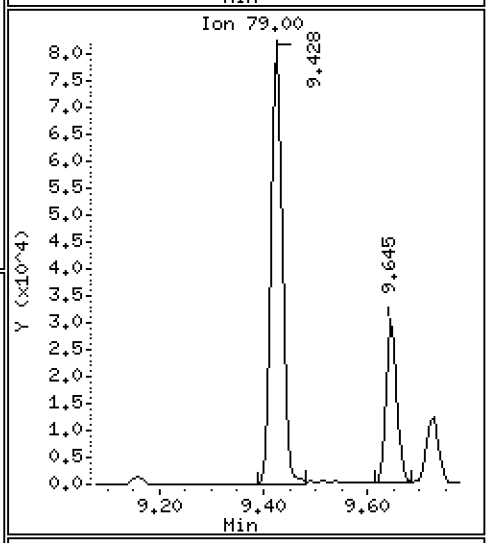


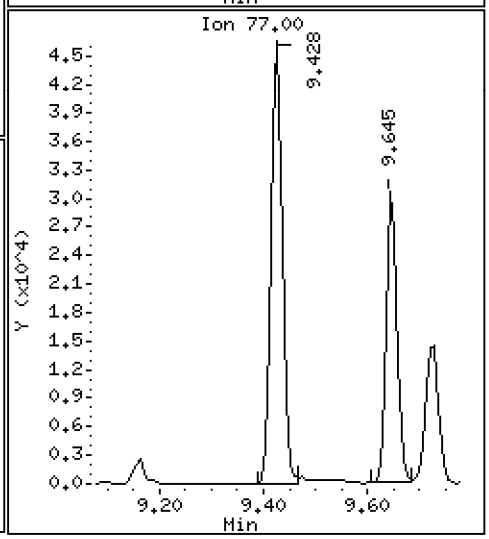












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

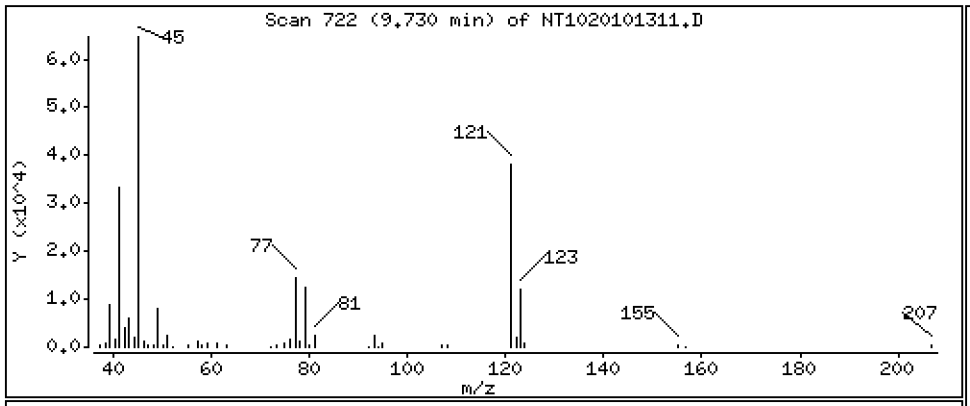
Operator: VTS

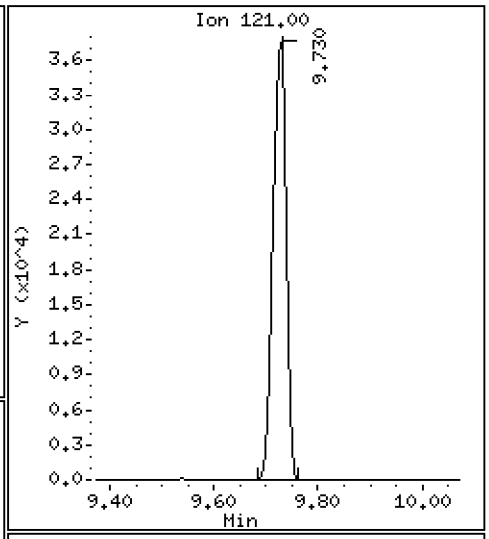
Column phase: ZB-5msi

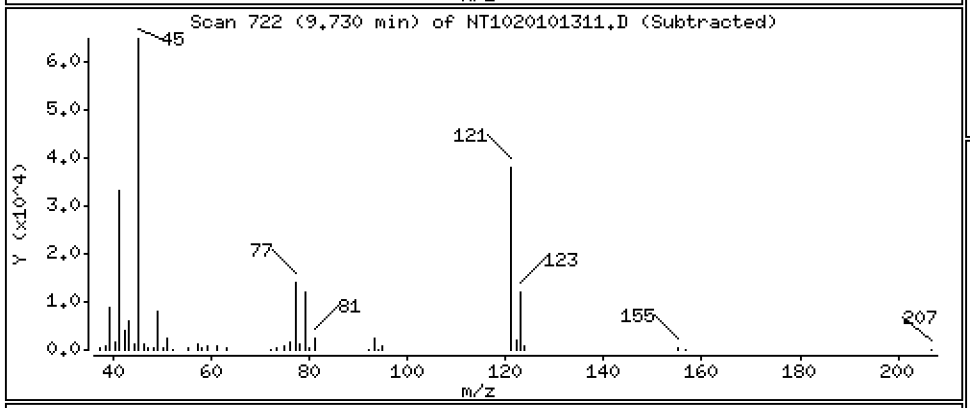
Column diameter: 0.25

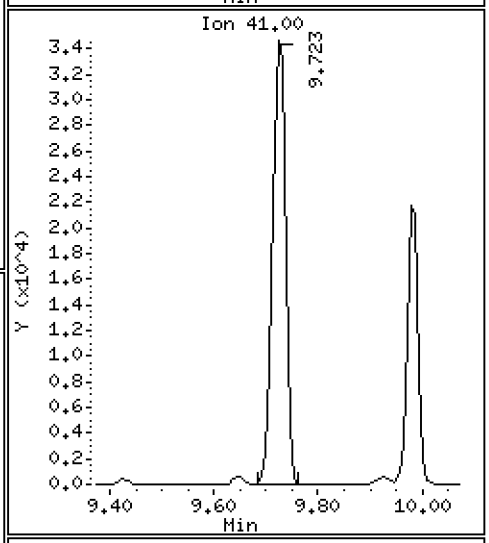
14 2,2'-oxybis(1-Chloropropane)

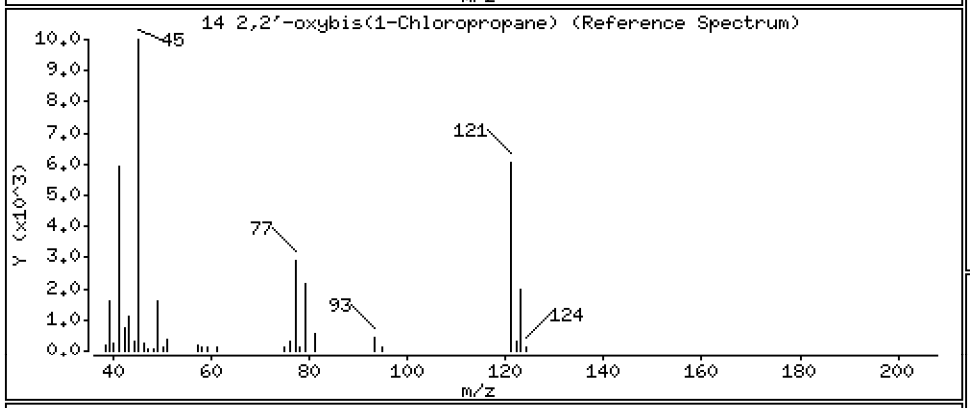
Concentration: 4.440 ug/mL

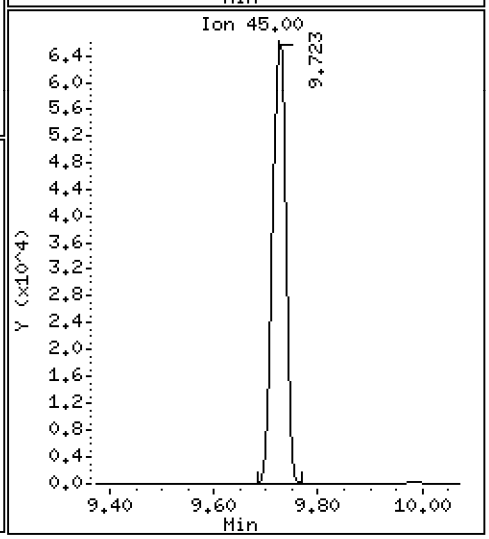


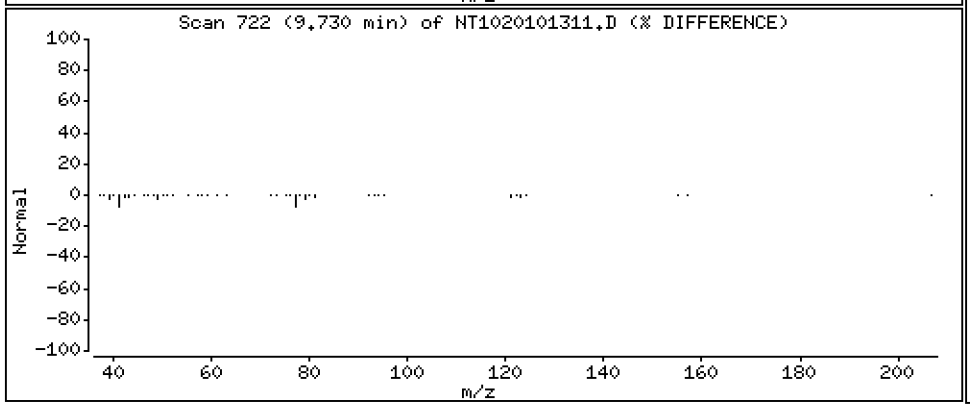












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

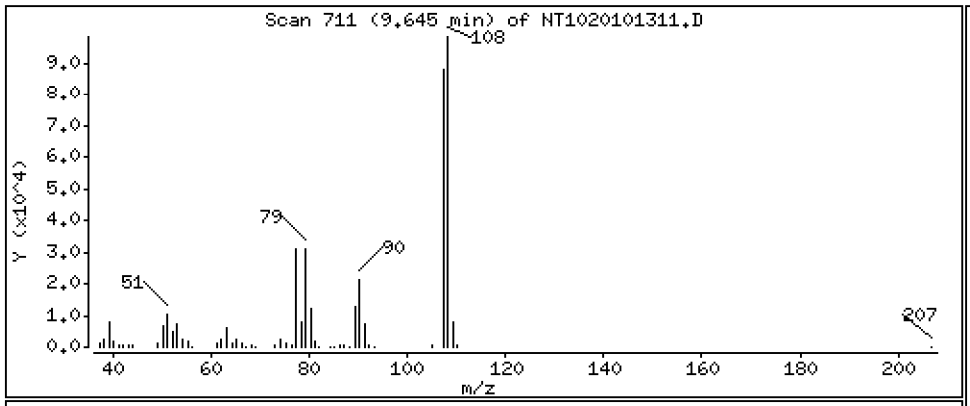
Operator: VTS

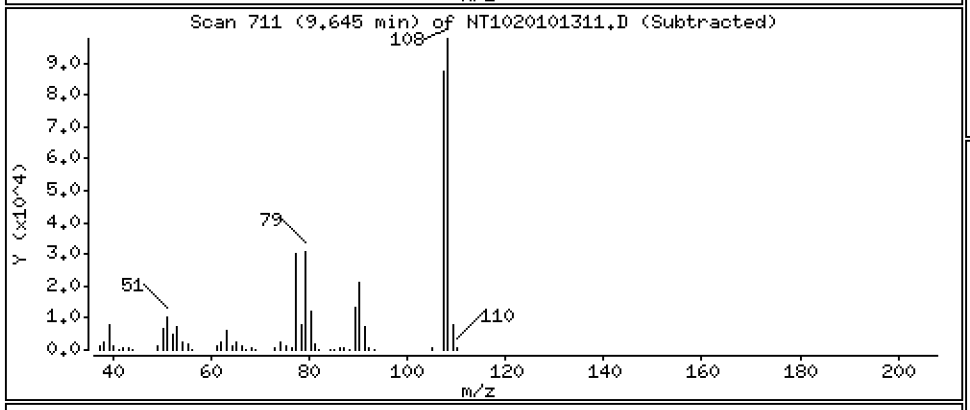
Column phase: ZB-5msi

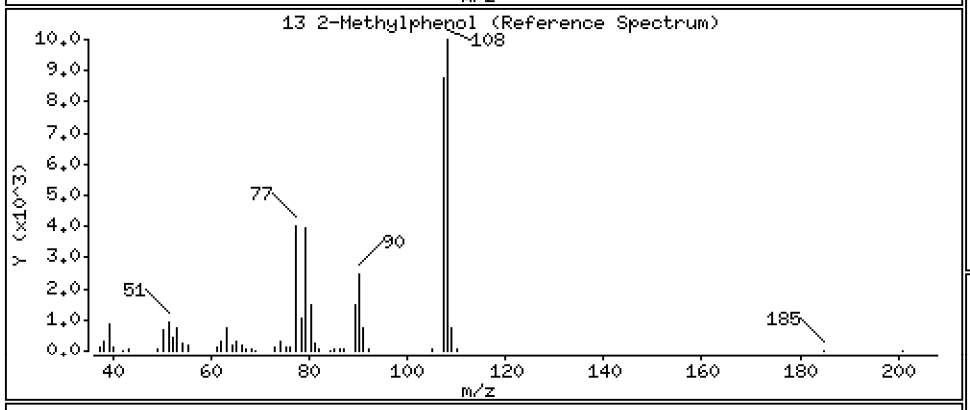
Column diameter: 0.25

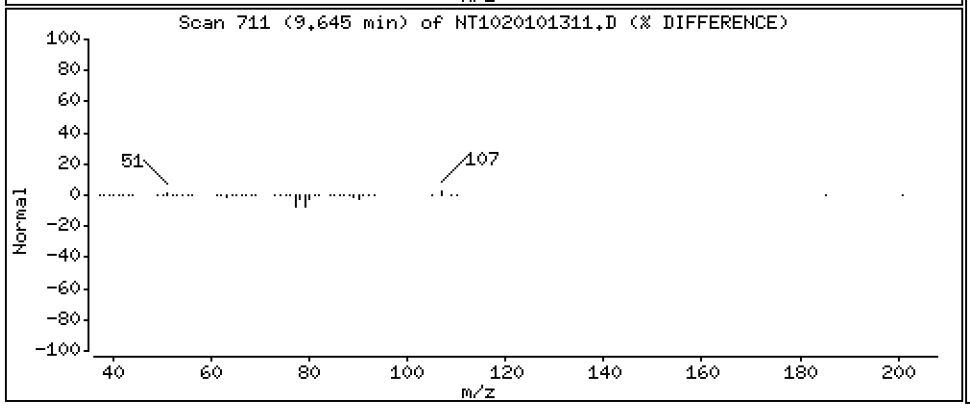
13 2-Methylphenol

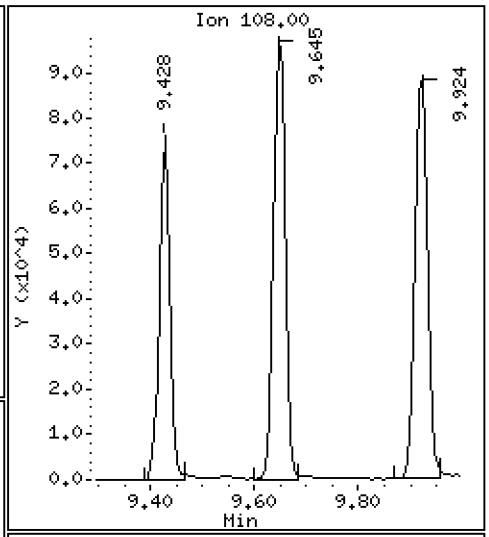
Concentration: 4.572 ug/mL

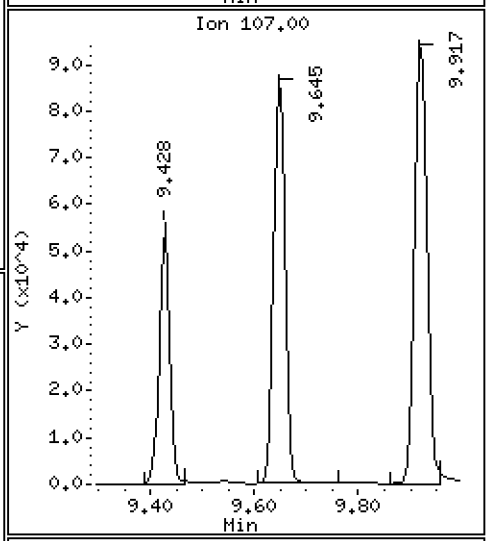


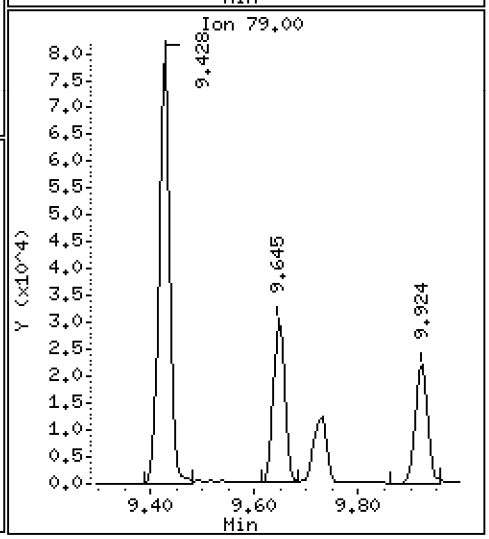












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

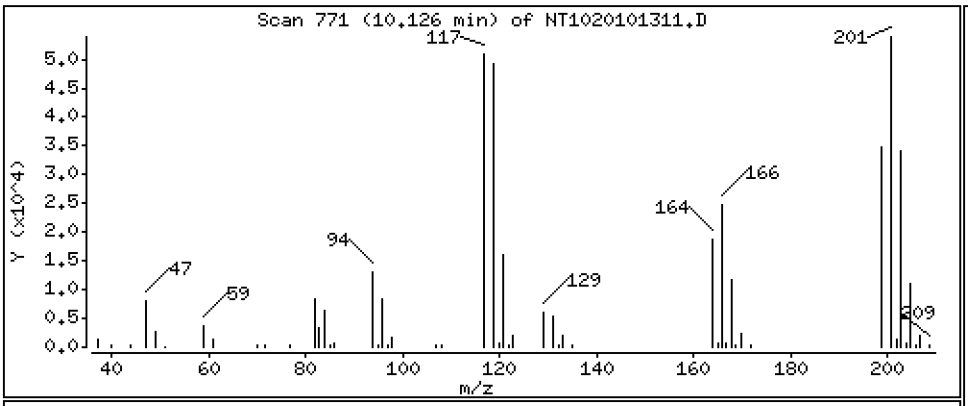
Operator: VTS

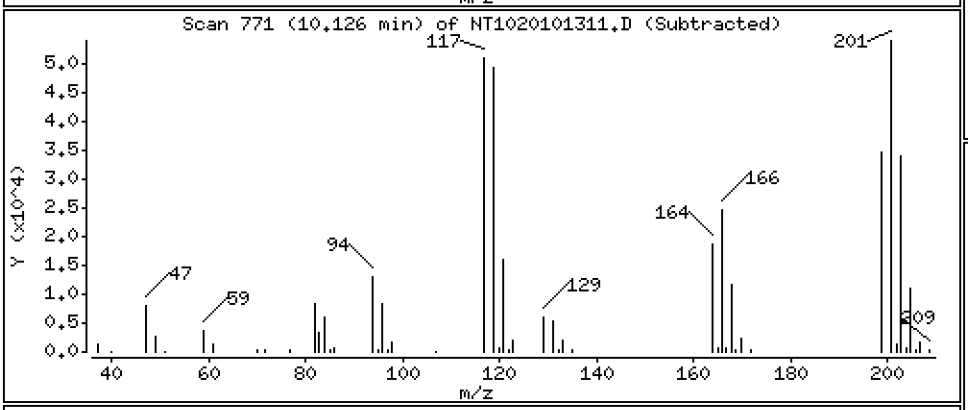
Column phase: ZB-5msi

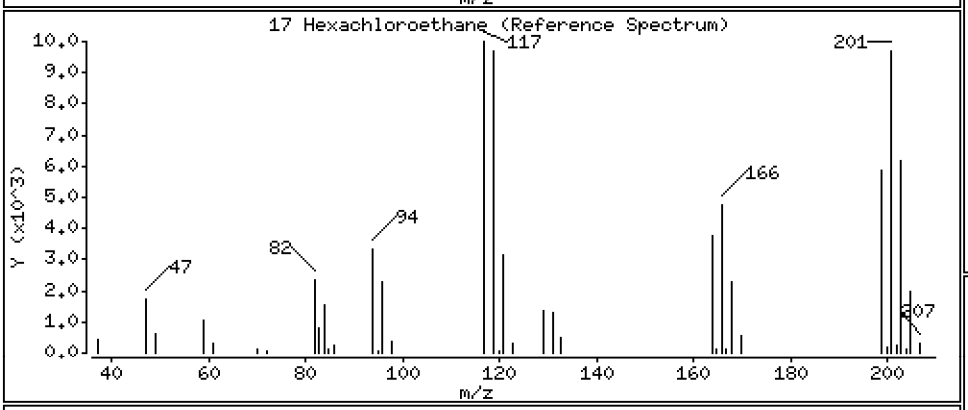
Column diameter: 0.25

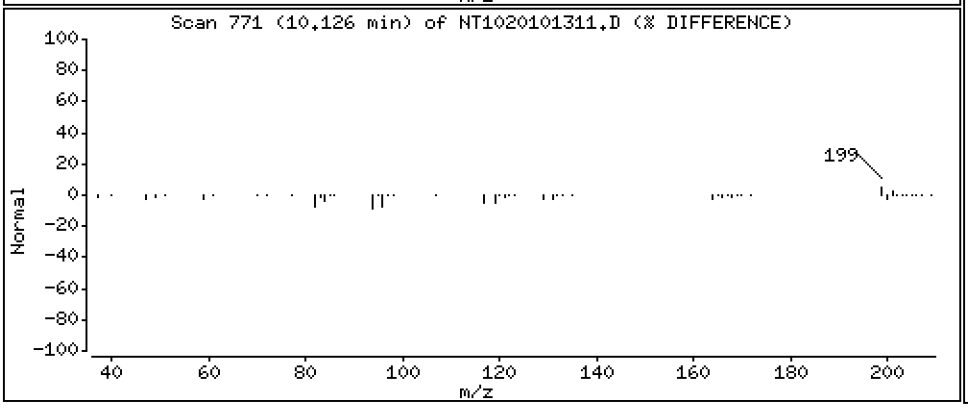
17 Hexachloroethane

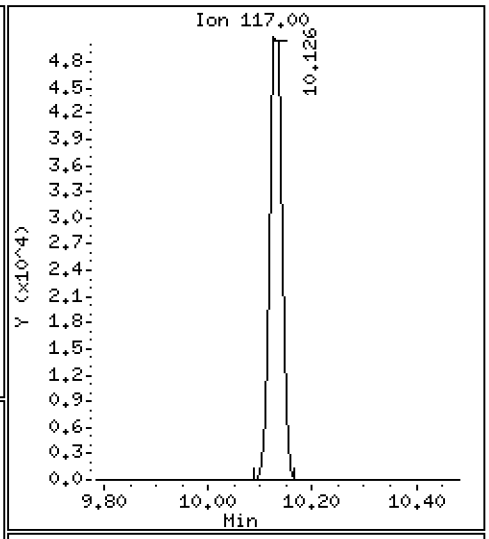
Concentration: 4.538 ug/mL

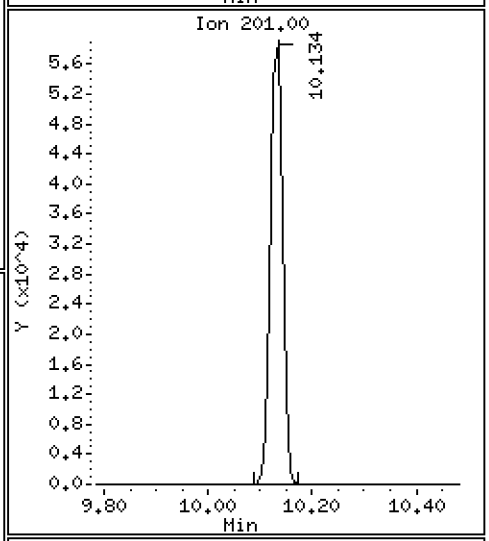


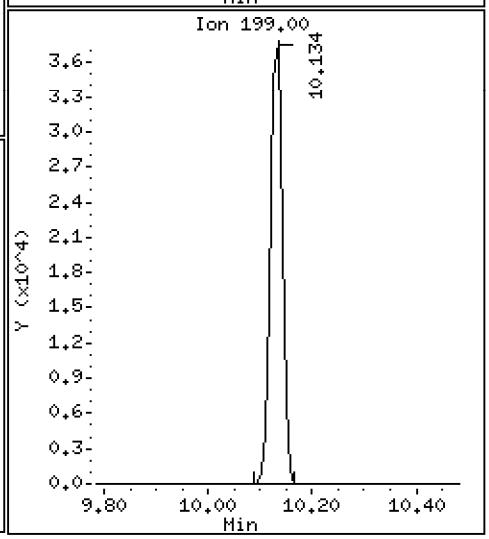












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

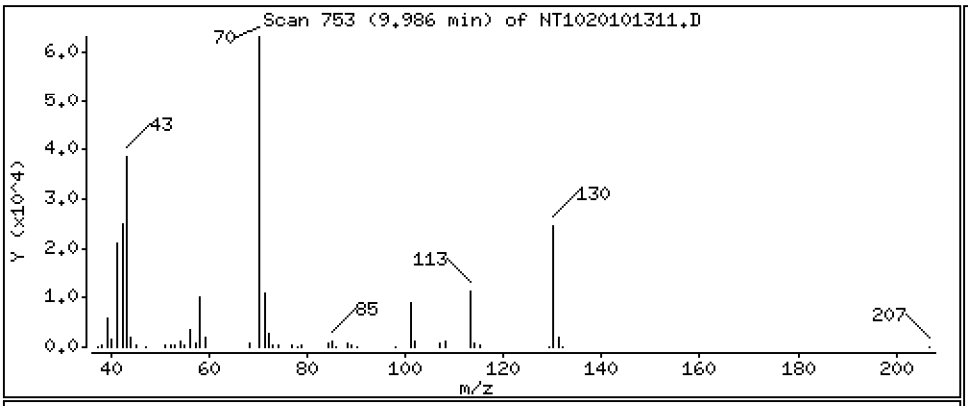
Operator: VTS

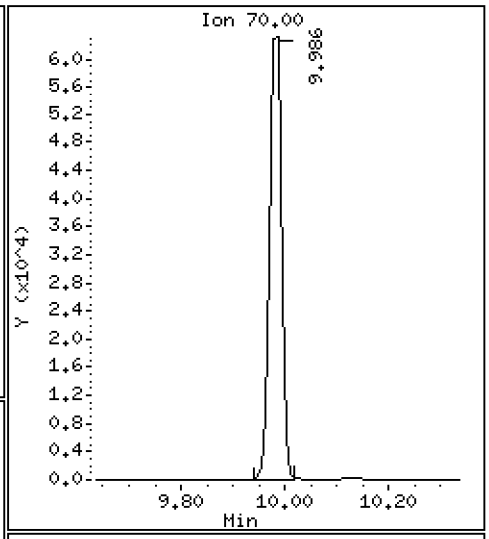
Column phase: ZB-5msi

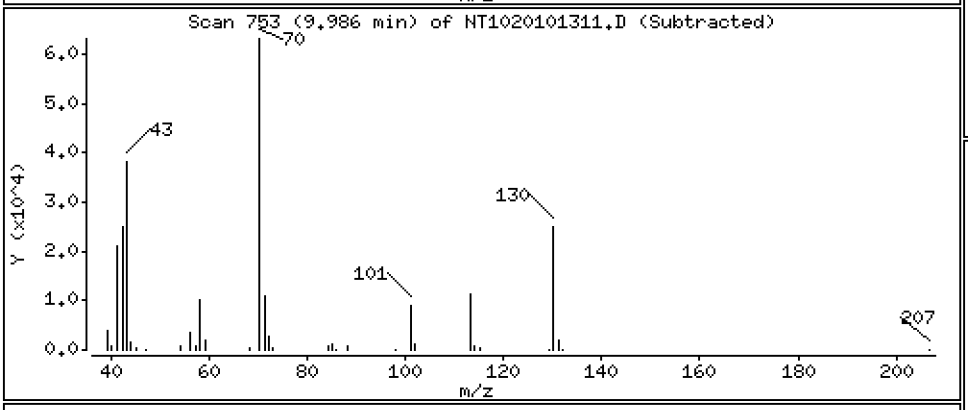
Column diameter: 0.25

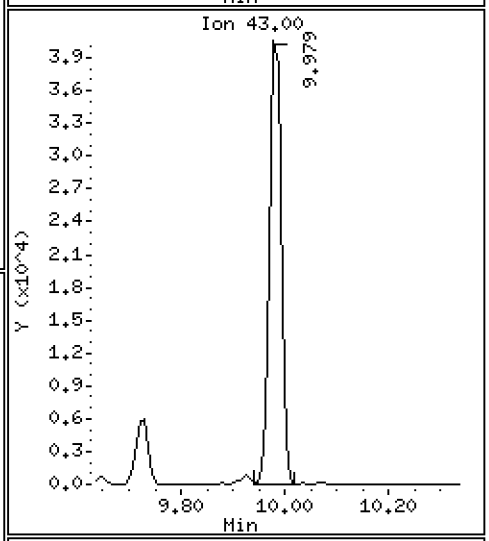
16 N-Nitroso-di-n-propylamine

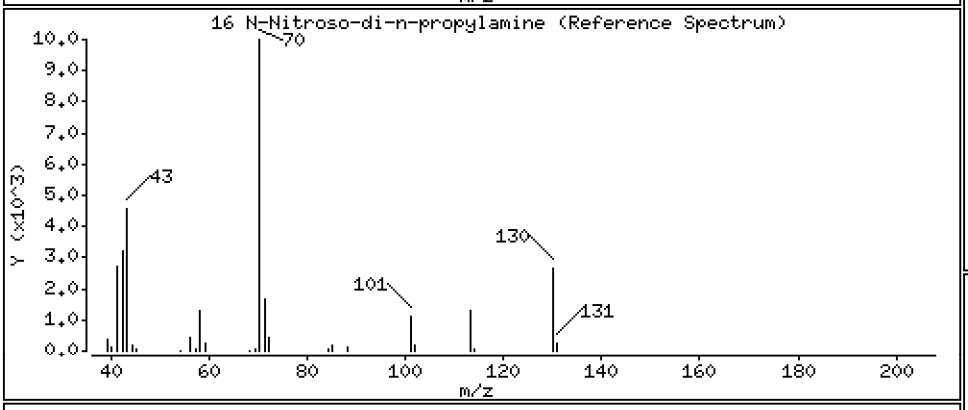
Concentration: 4.710 ug/mL

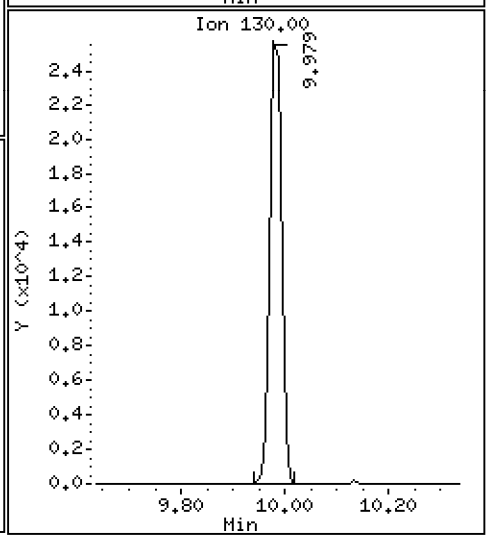


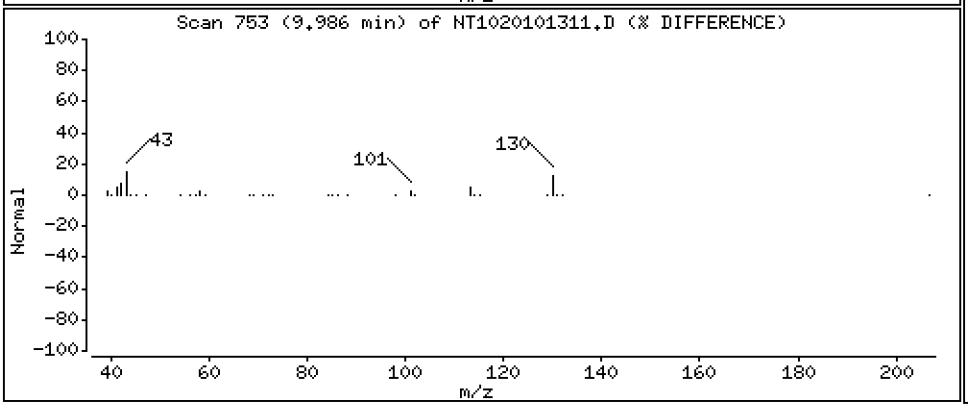












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

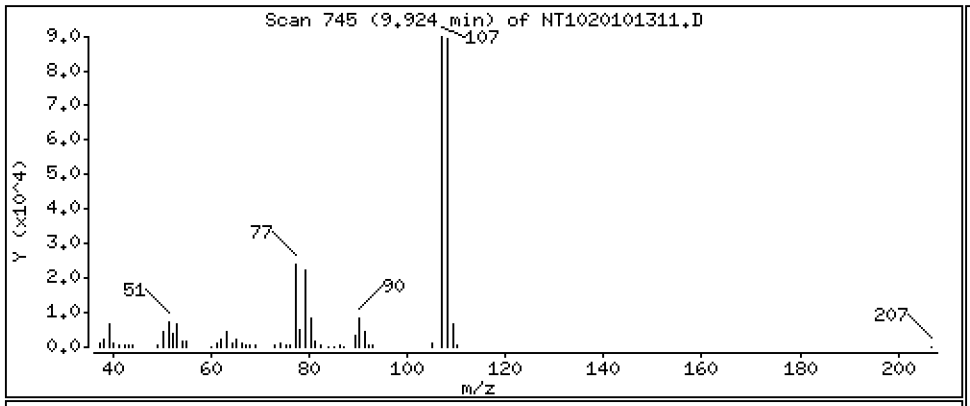
Operator: VTS

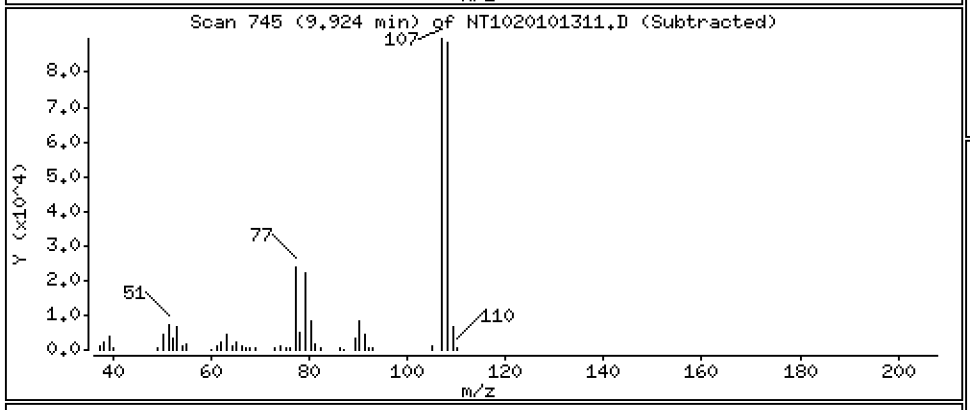
Column phase: ZB-5msi

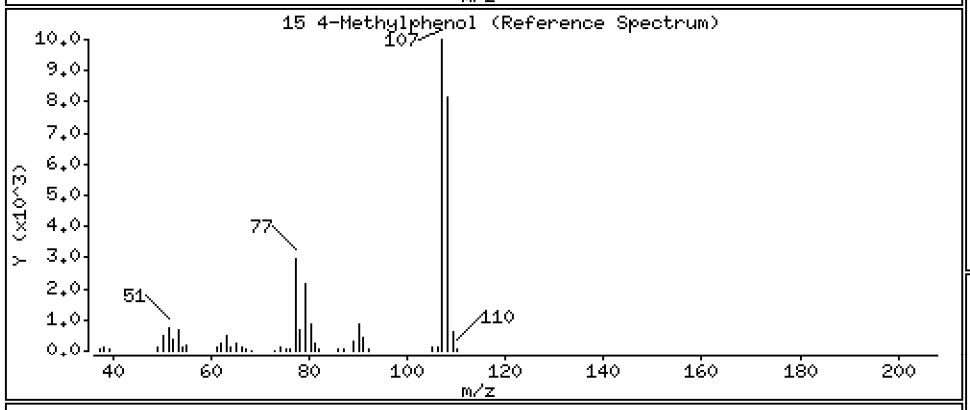
Column diameter: 0.25

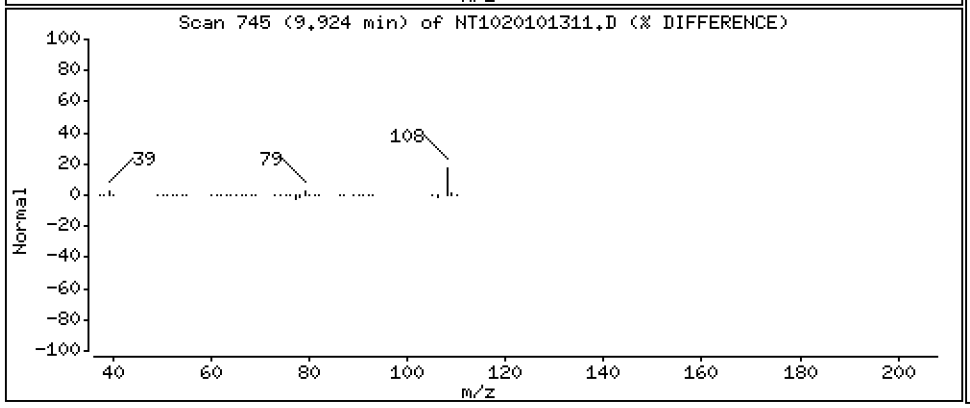
15 4-Methylphenol

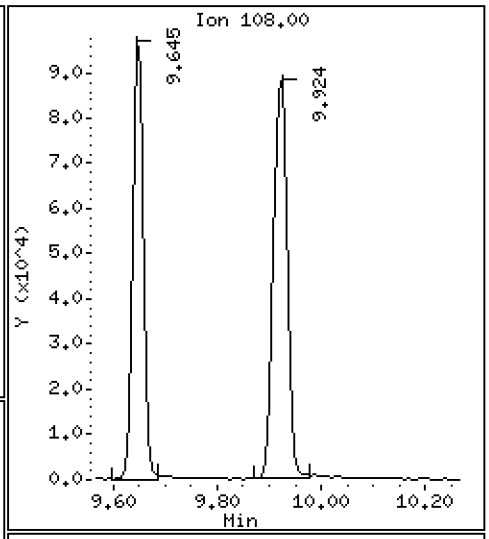
Concentration: 4.727 ug/mL

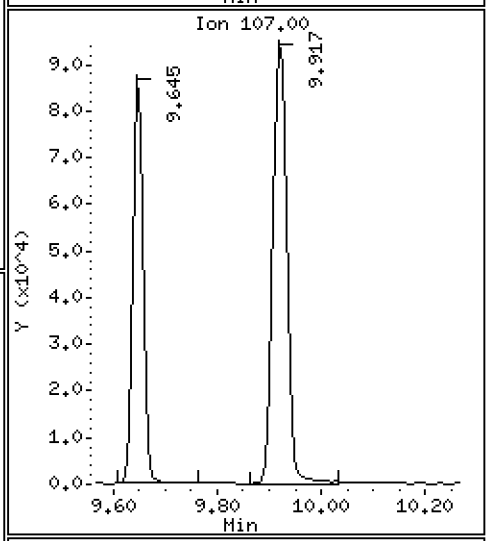


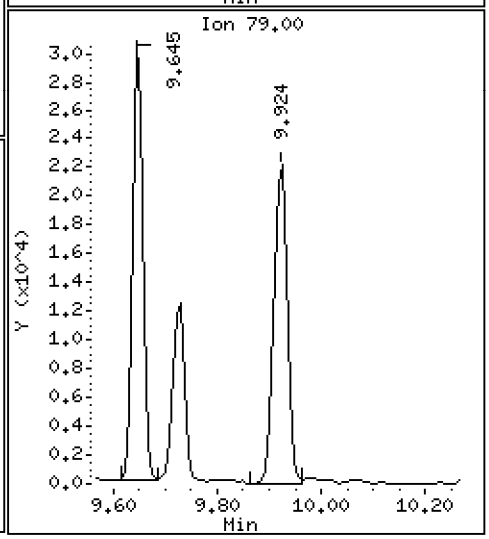












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

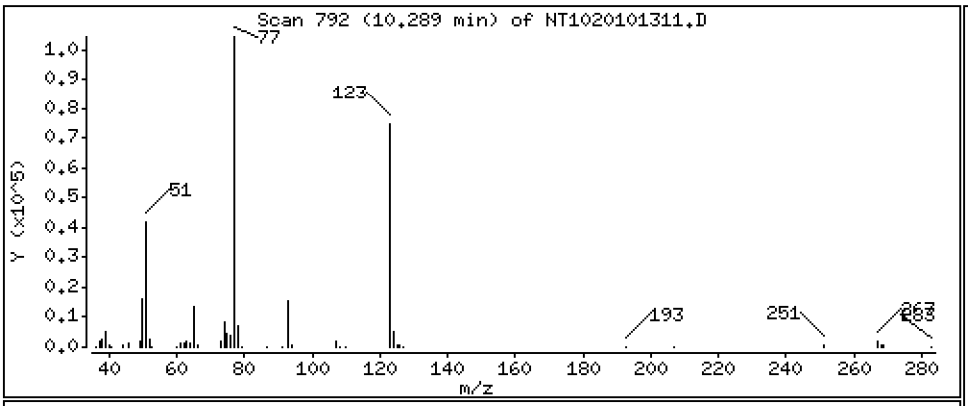
Operator: VTS

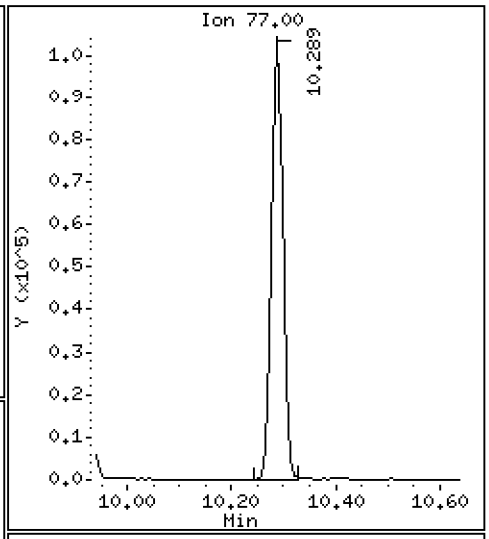
Column phase: ZB-5msi

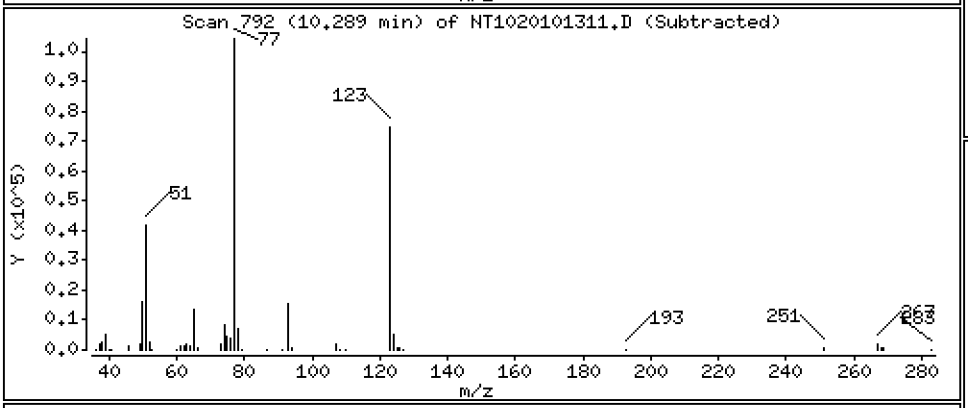
Column diameter: 0.25

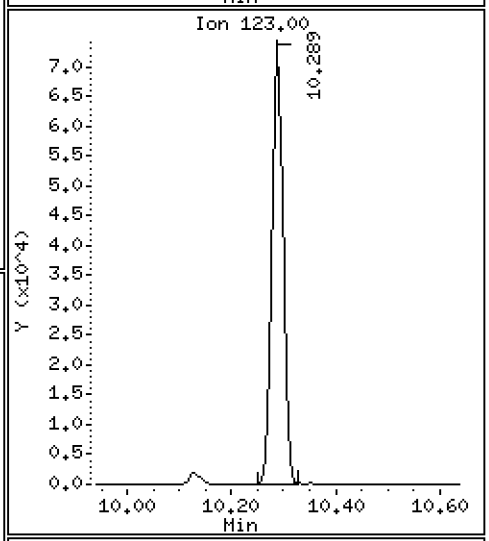
19 Nitrobenzene

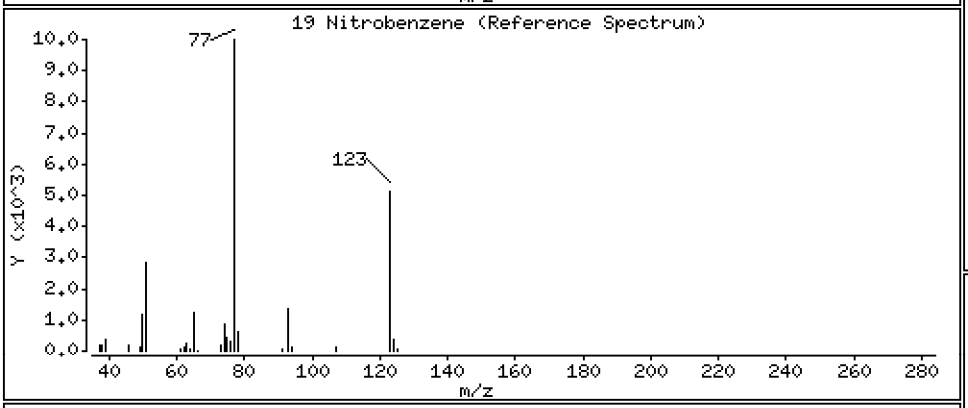
Concentration: 4.500 ug/mL

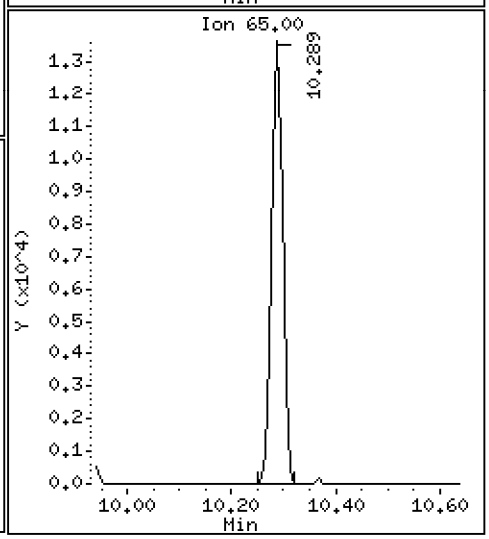


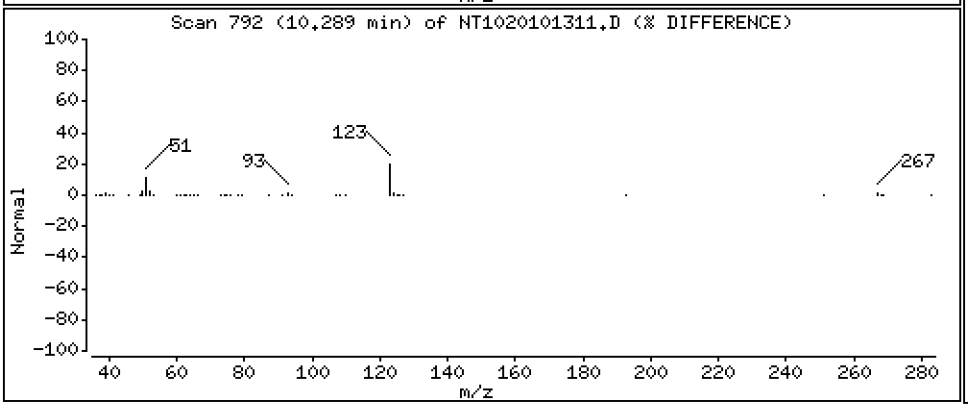












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

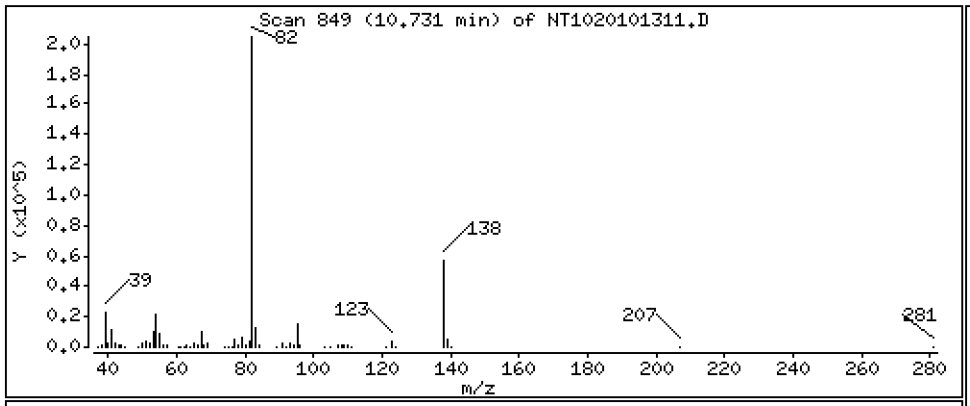
Operator: VTS

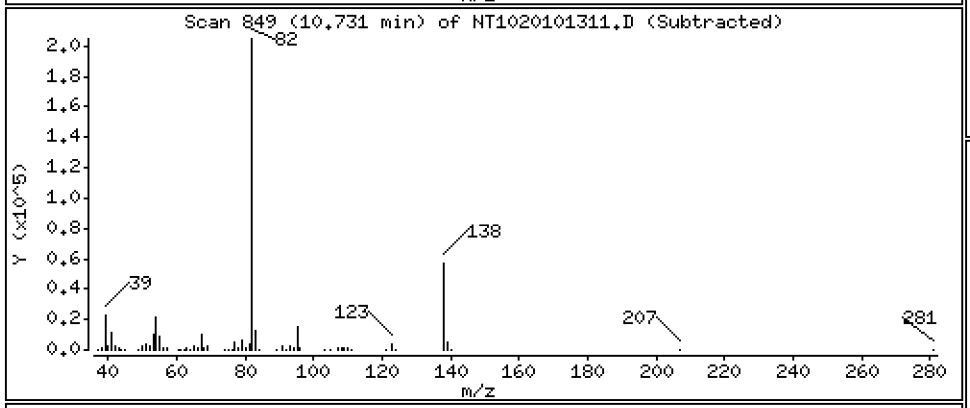
Column phase: ZB-5msi

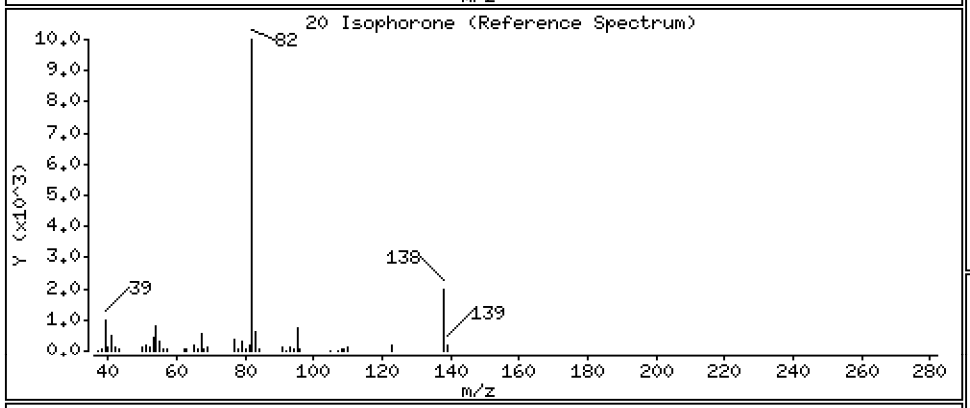
Column diameter: 0.25

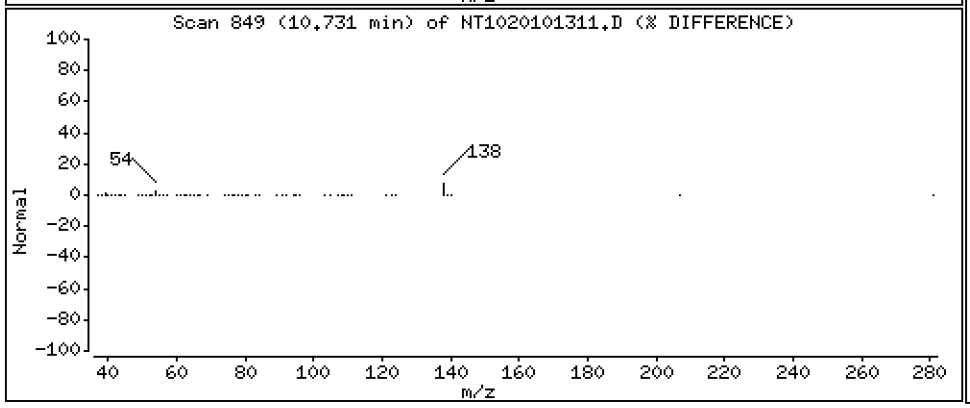
20 Isophorone

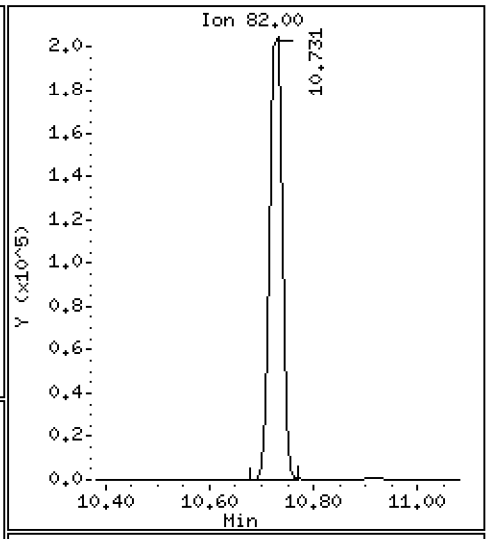
Concentration: 4.759 ug/mL

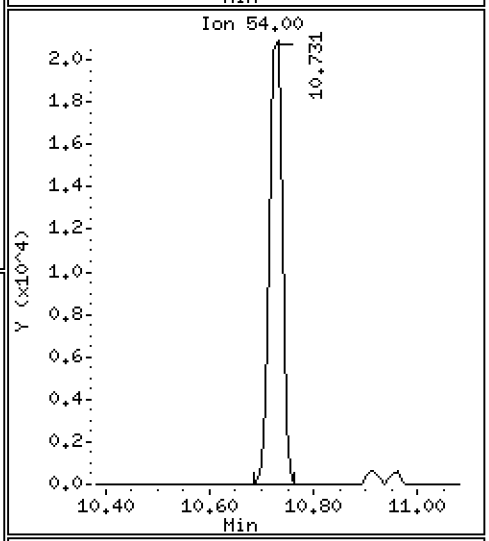


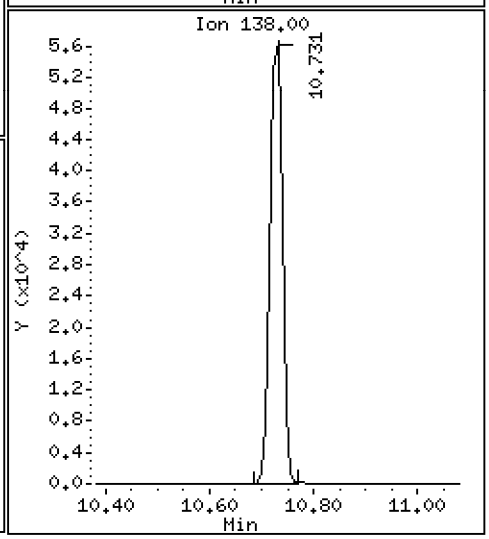












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

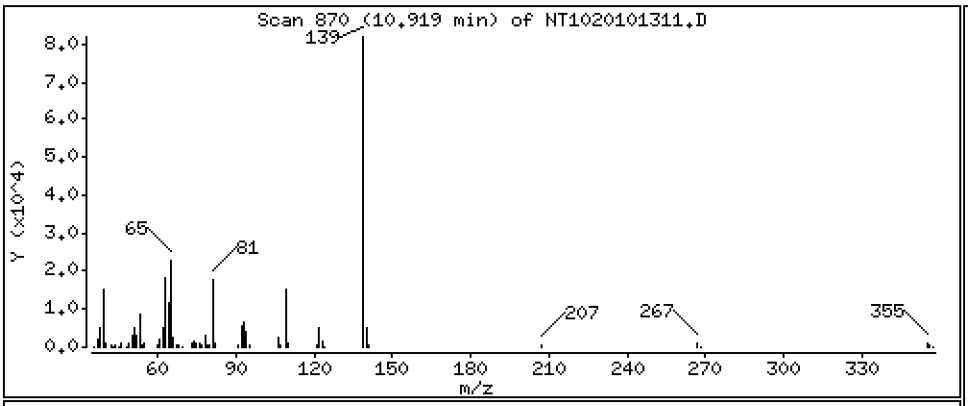
Operator: VTS

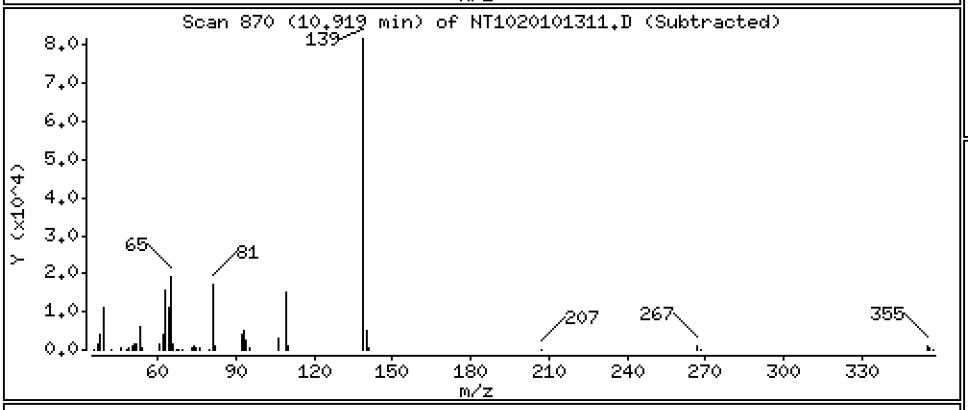
Column phase: ZB-5msi

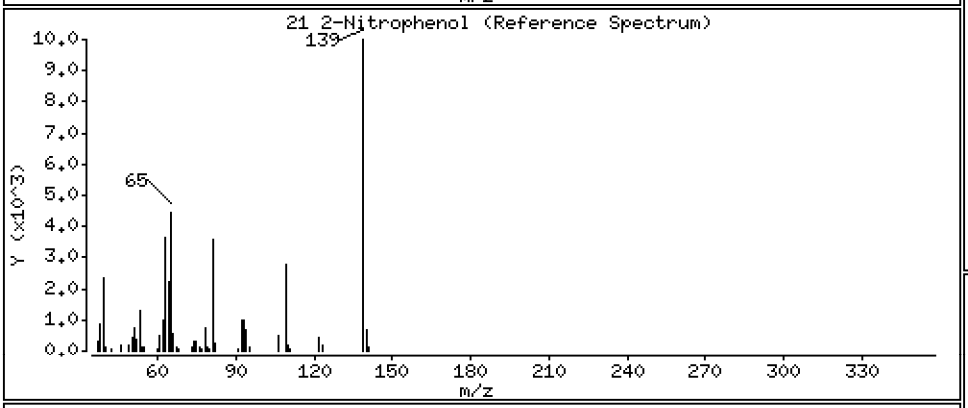
Column diameter: 0.25

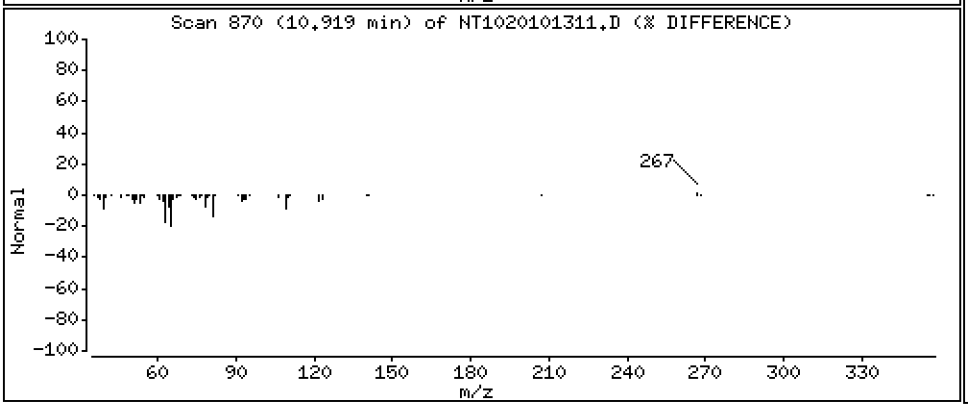
21 2-Nitrophenol

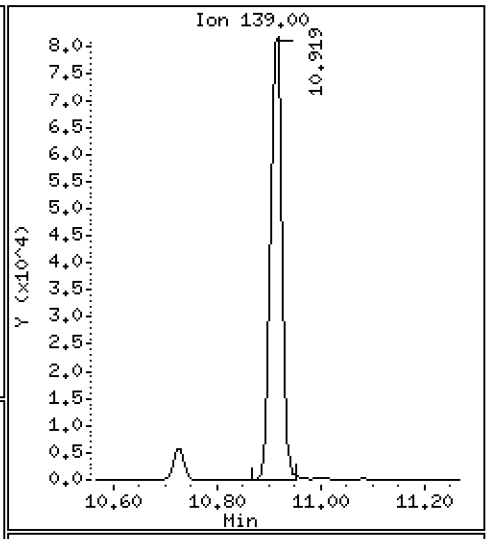
Concentration: 4.967 ug/mL

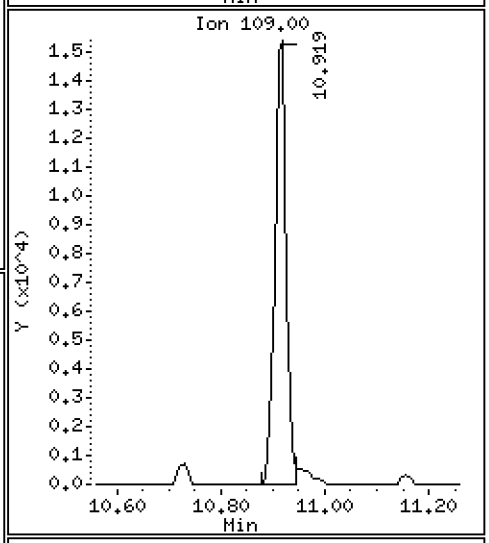


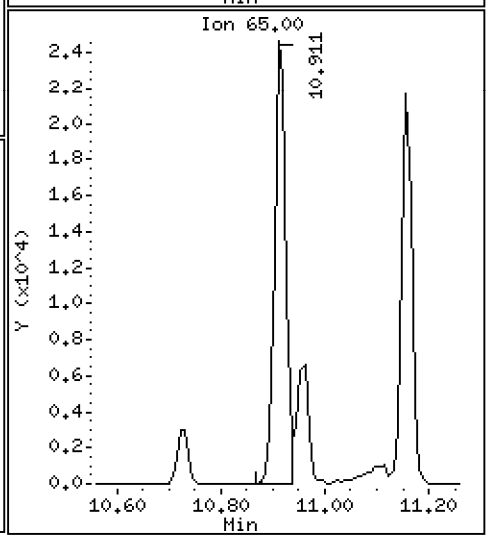












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

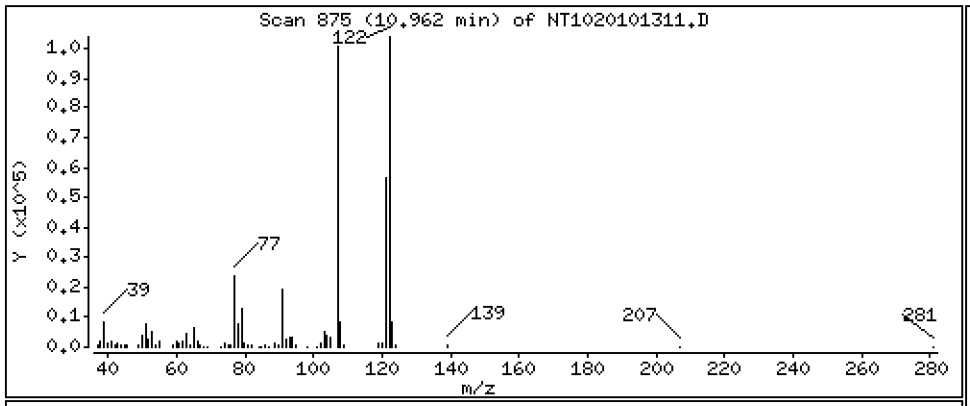
Operator: VTS

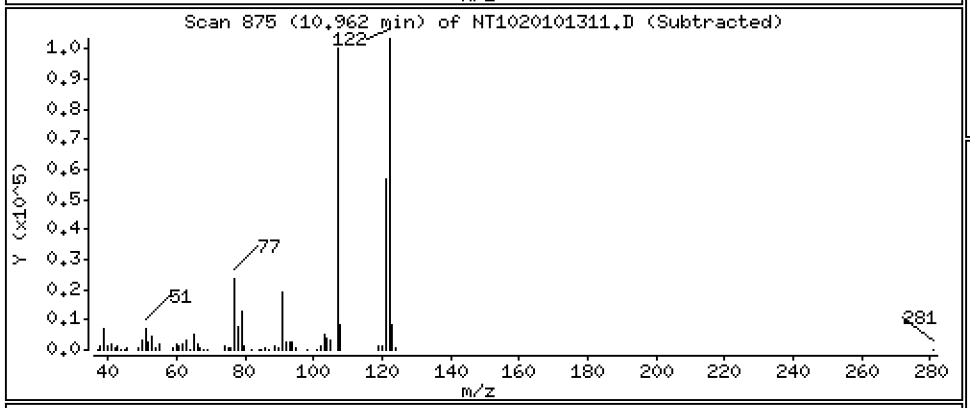
Column phase: ZB-5msi

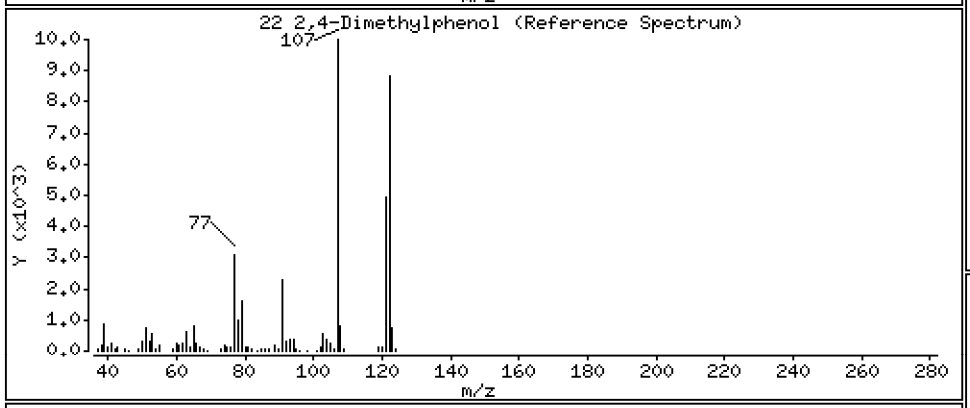
Column diameter: 0.25

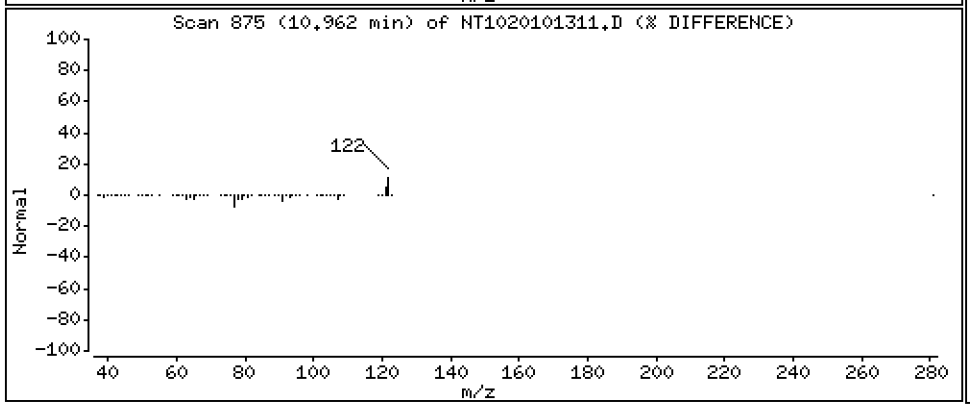
22 2,4-Dimethylphenol

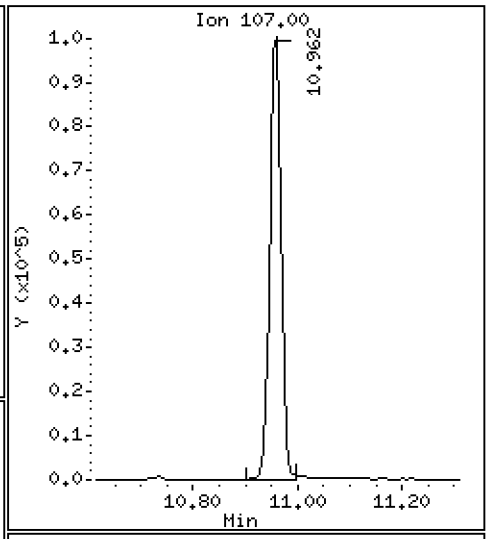
Concentration: 4.636 ug/mL

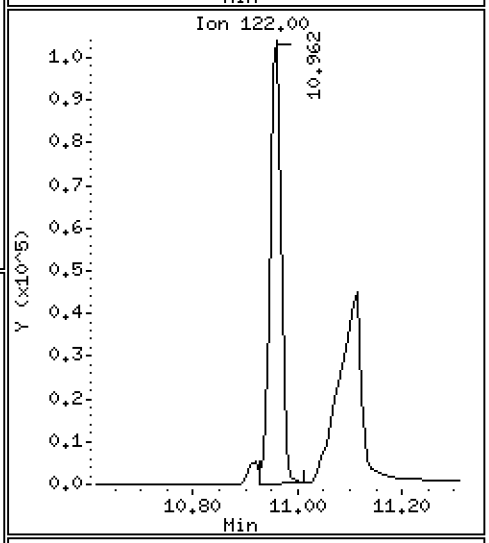


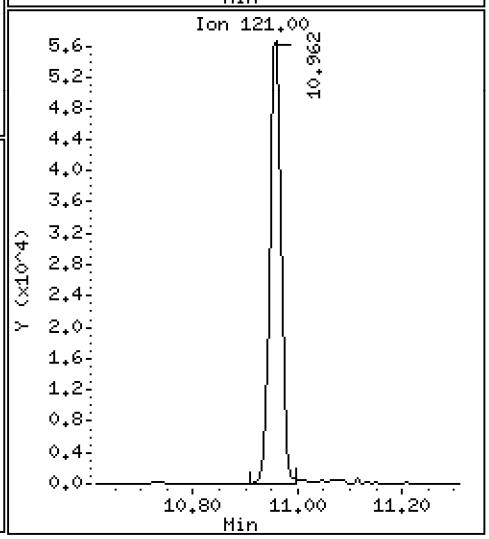












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

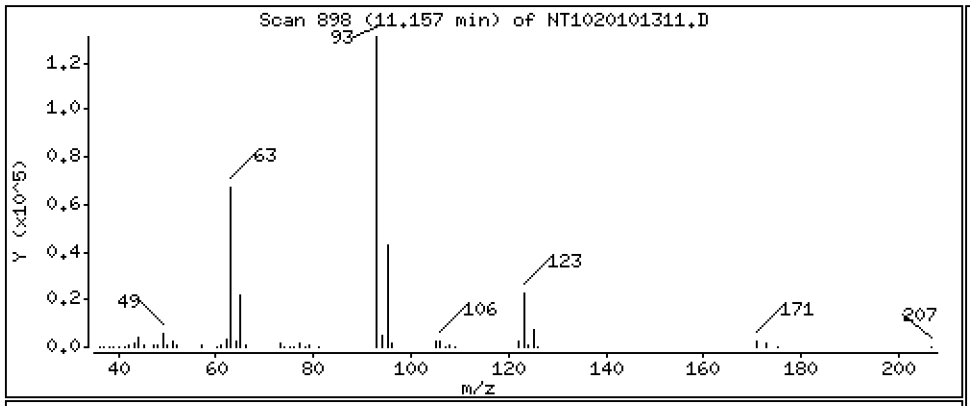
Operator: VTS

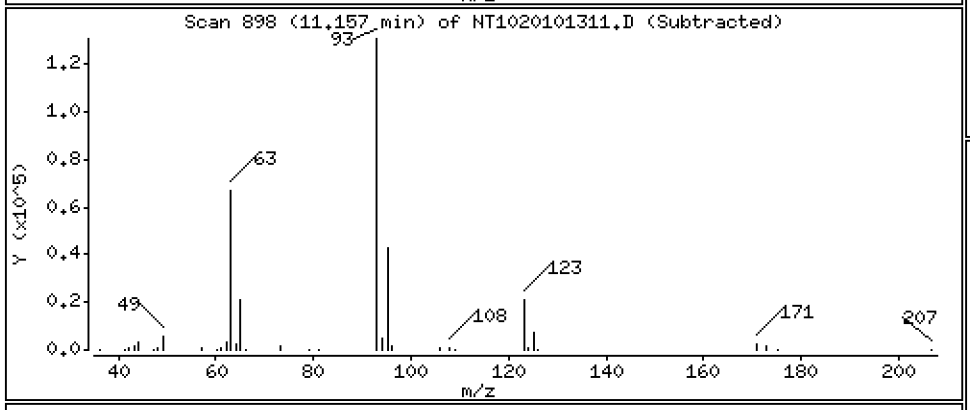
Column phase: ZB-5msi

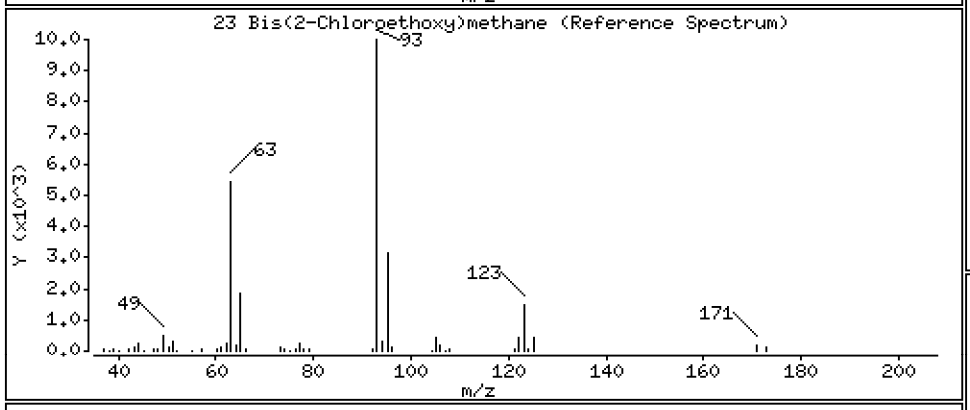
Column diameter: 0.25

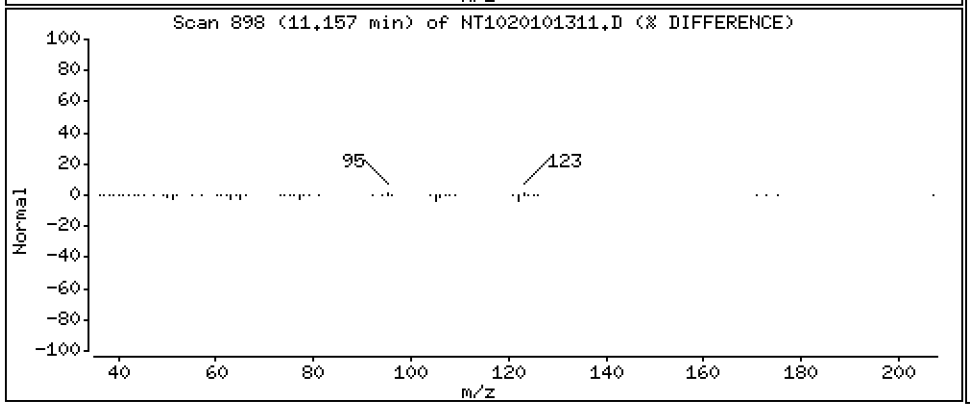
23 Bis(2-Chloroethoxy)methane

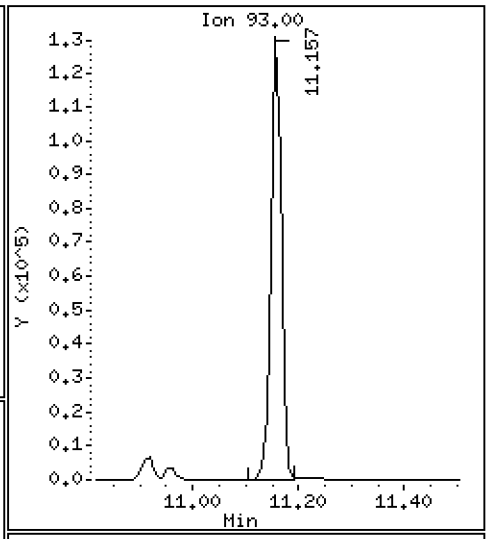
Concentration: 4.757 ug/mL

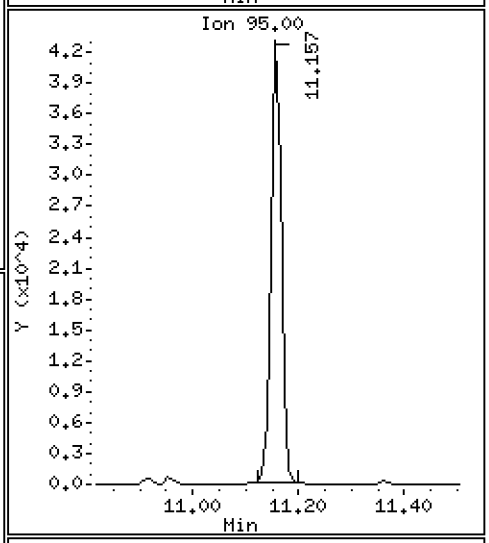


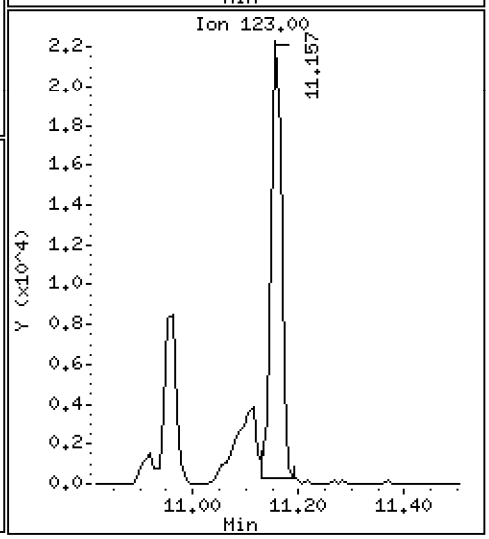












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

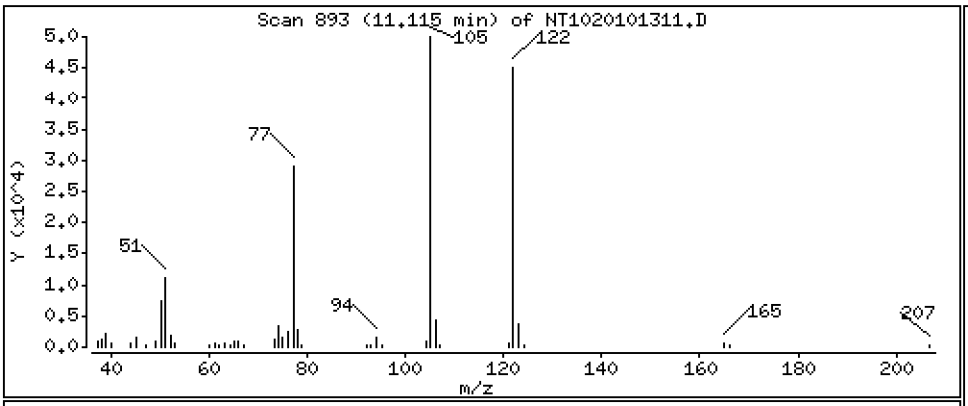
Operator: VTS

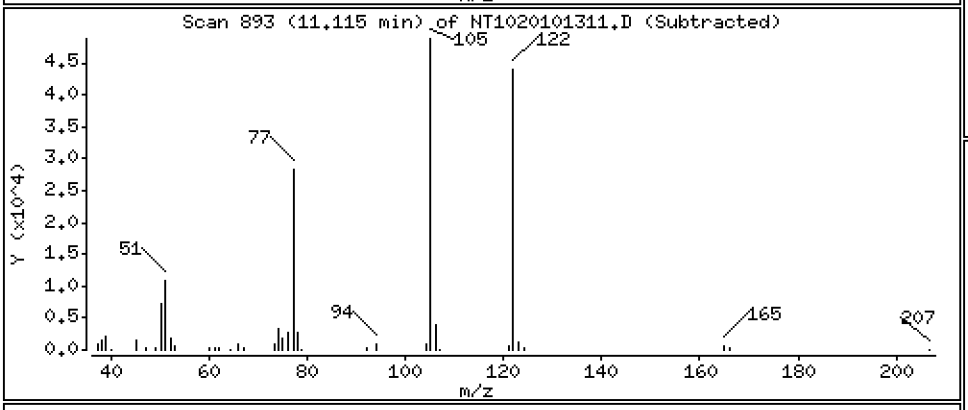
Column phase: ZB-5msi

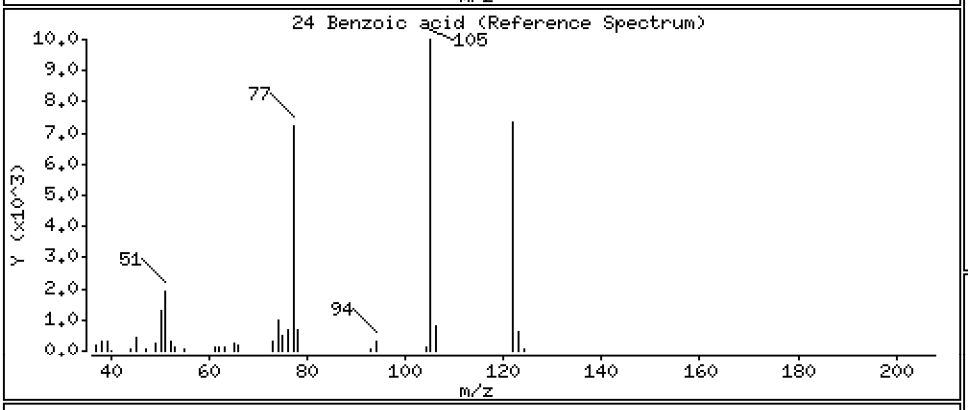
Column diameter: 0.25

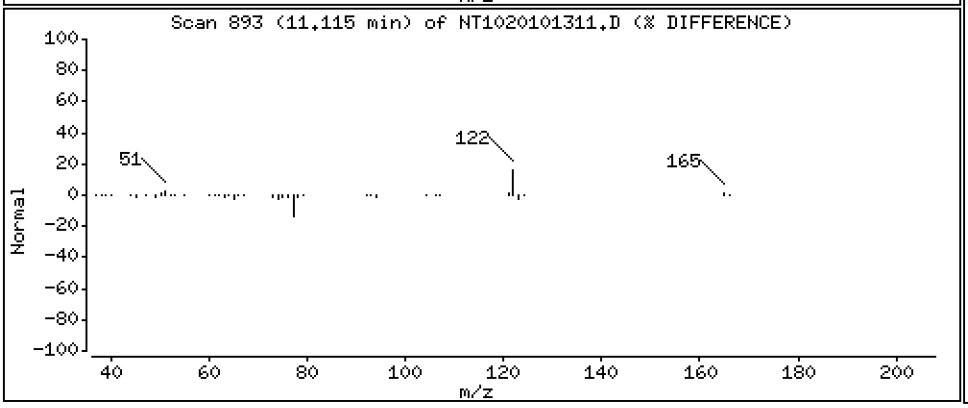
24 Benzoic acid

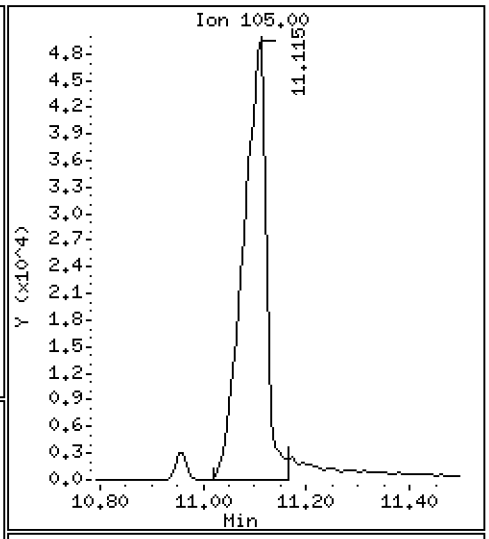
Concentration: 7.183 ug/mL

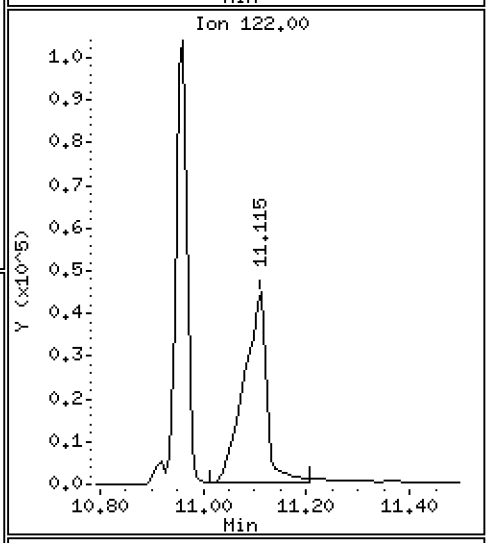


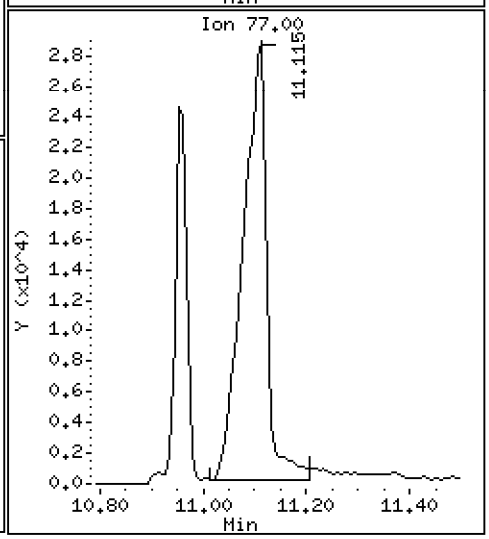












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

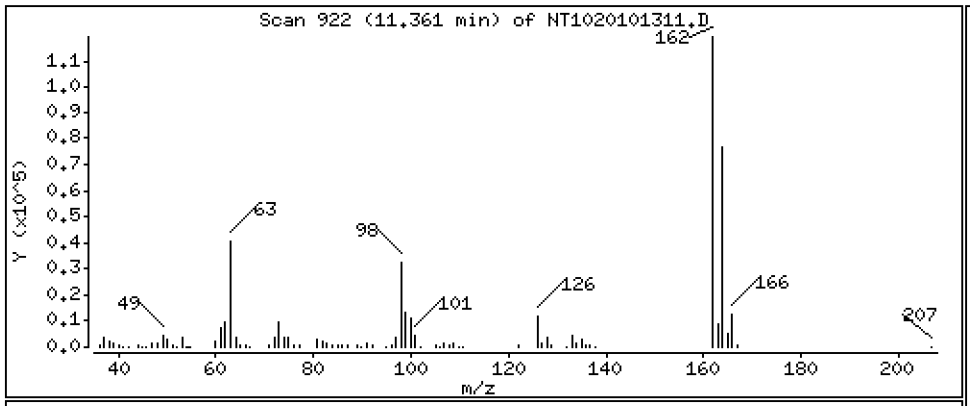
Operator: VTS

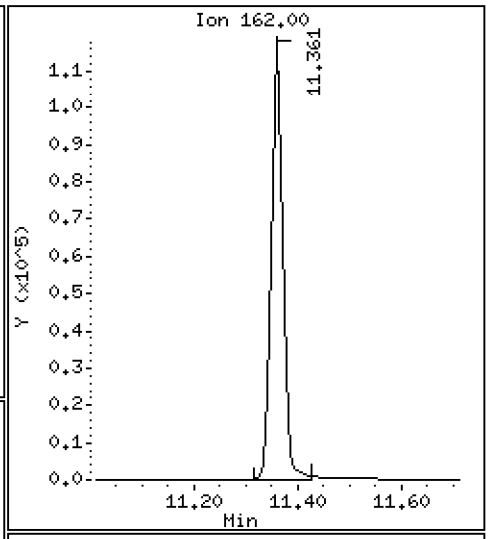
Column phase: ZB-5msi

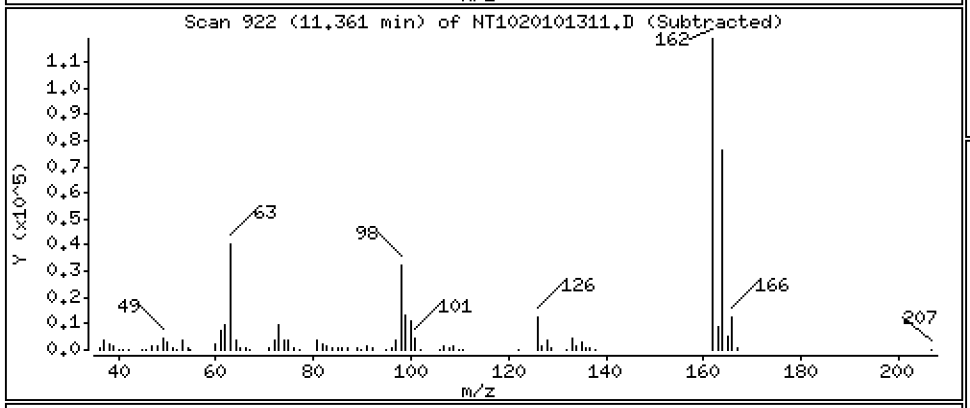
Column diameter: 0.25

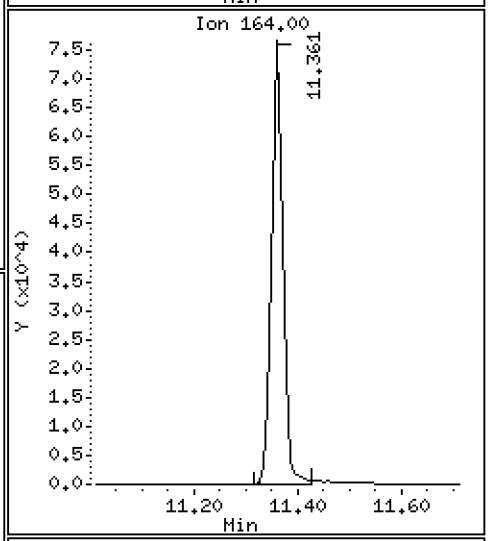
25 2,4-Dichlorophenol

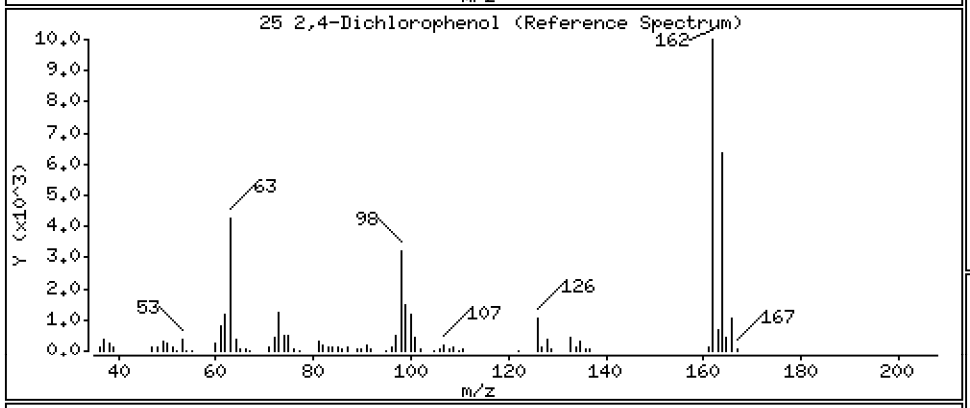
Concentration: 5.393 ug/mL

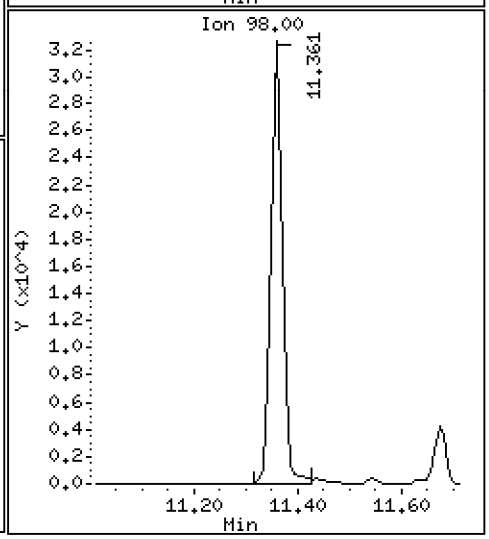


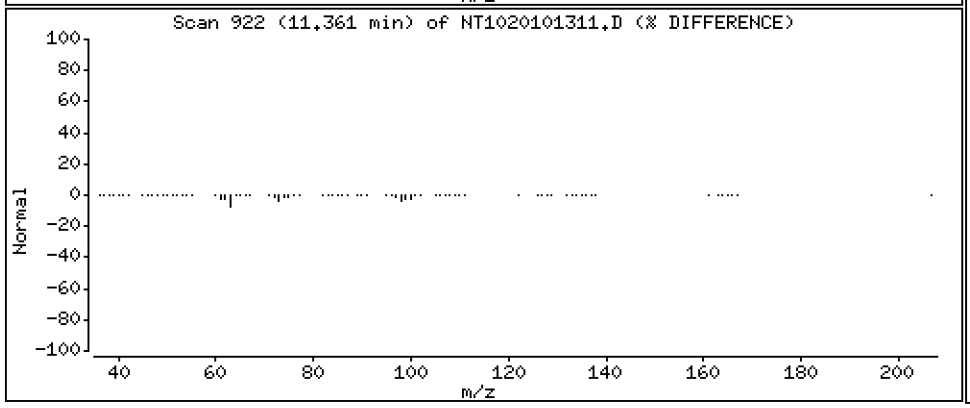












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

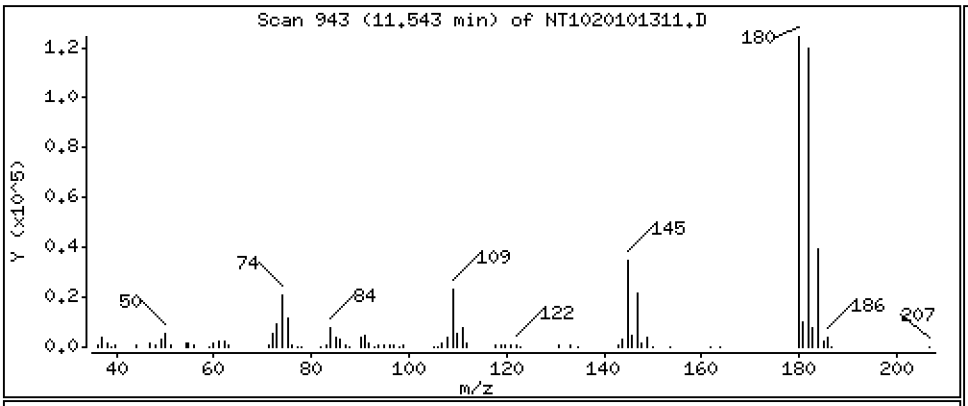
Operator: VTS

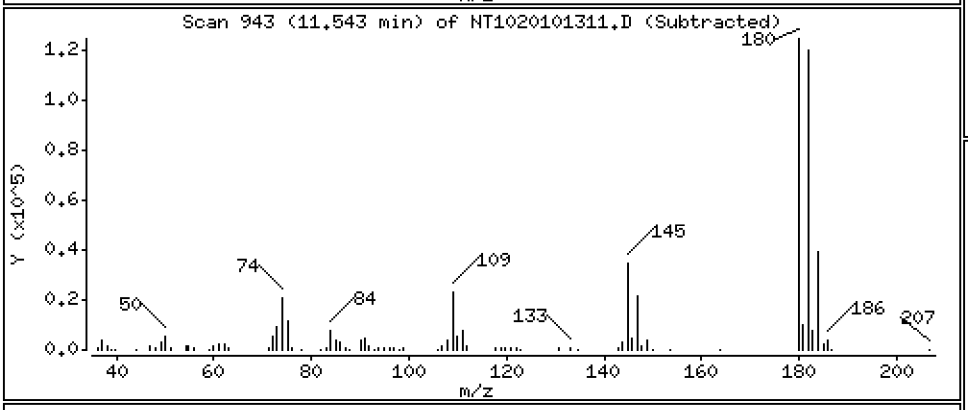
Column phase: ZB-5msi

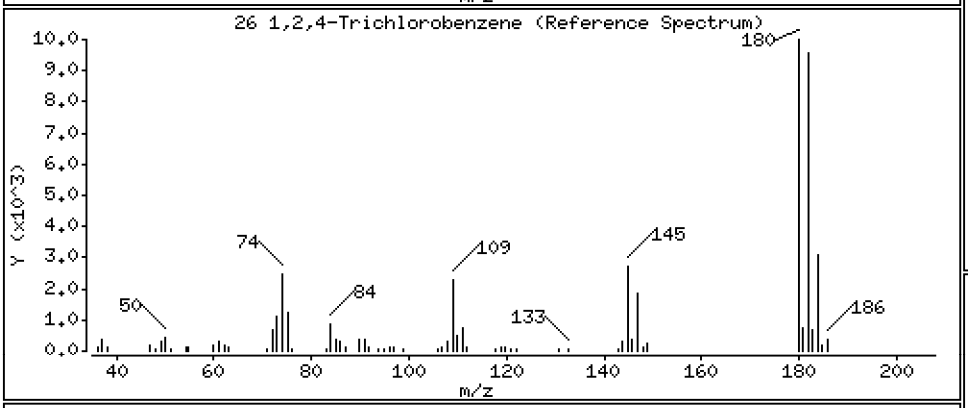
Column diameter: 0.25

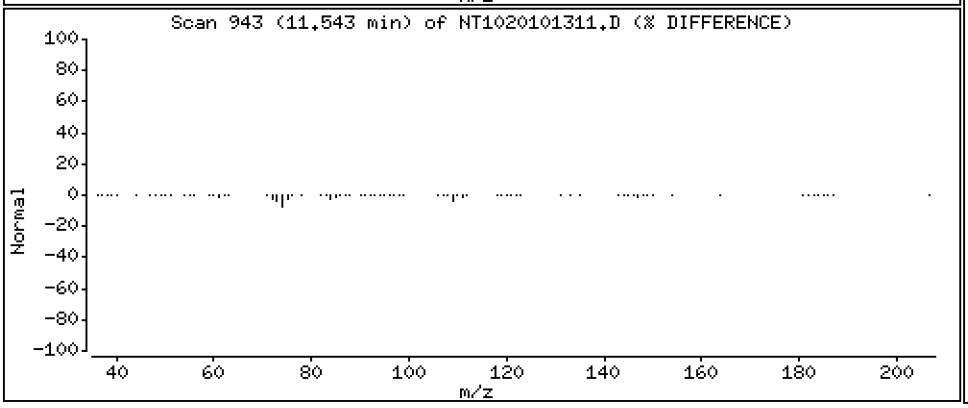
26 1,2,4-Trichlorobenzene

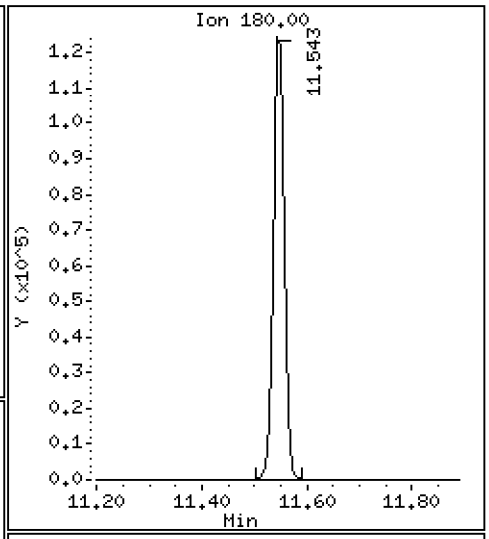
Concentration: 4.482 ug/mL

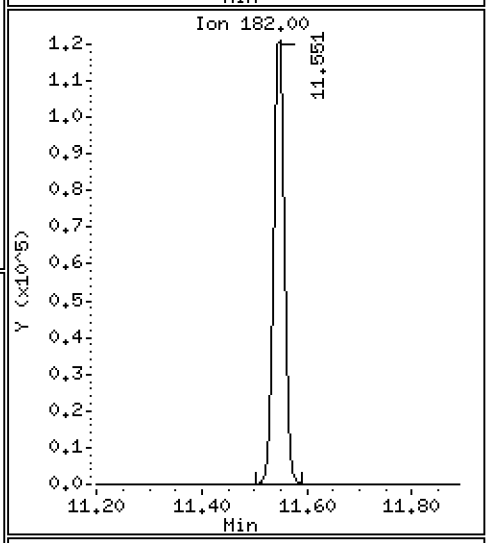


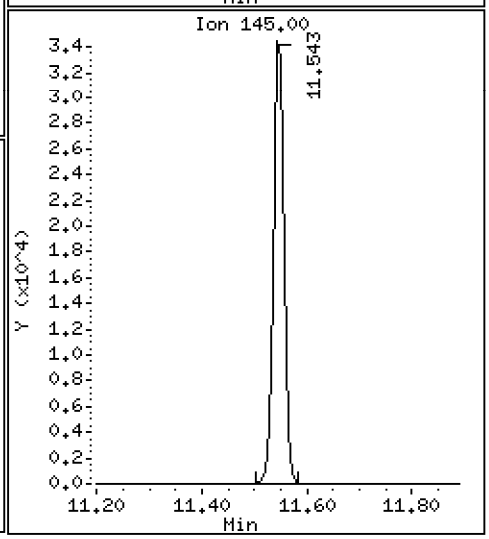












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

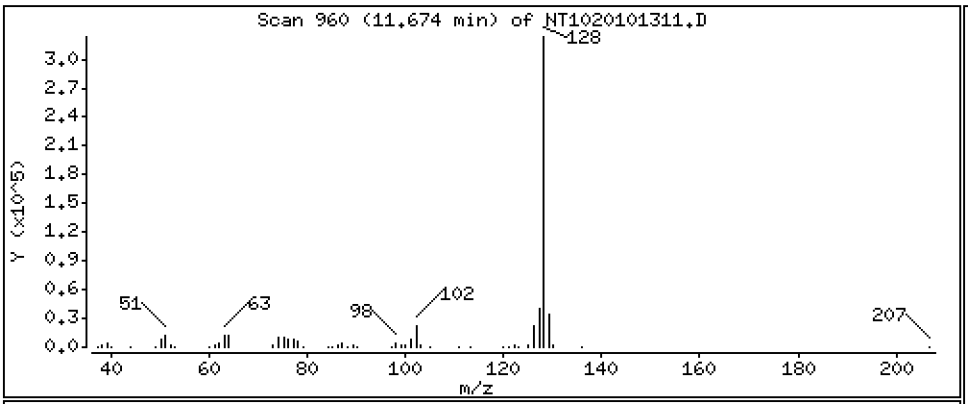
Operator: VTS

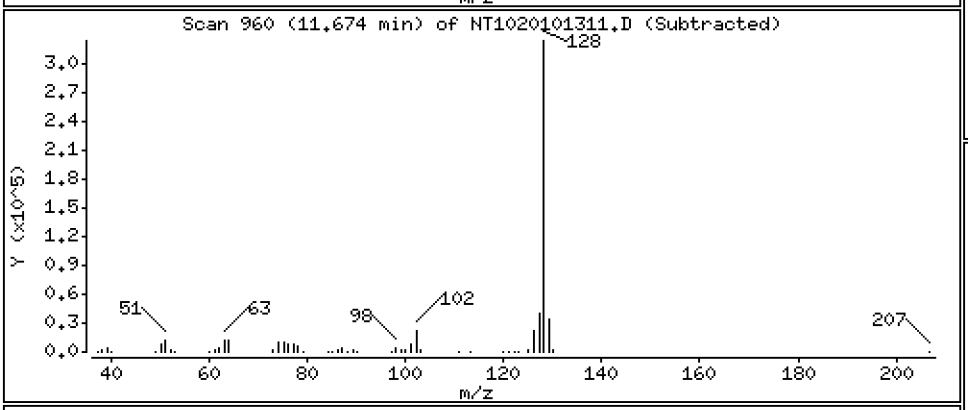
Column phase: ZB-5msi

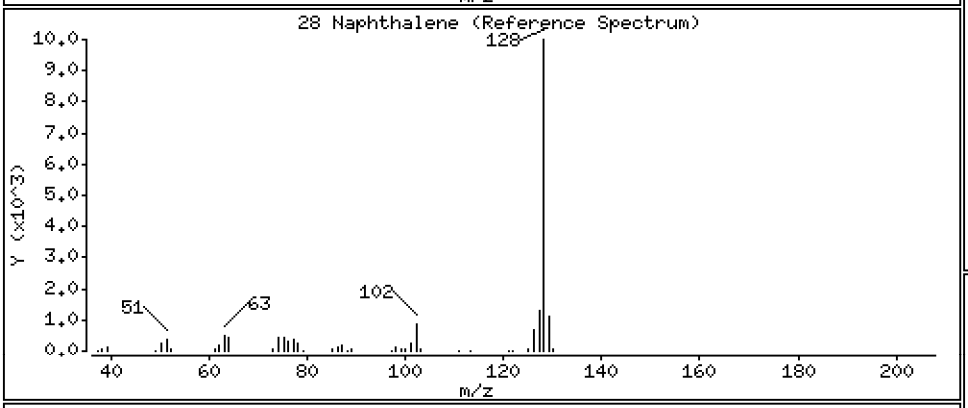
Column diameter: 0.25

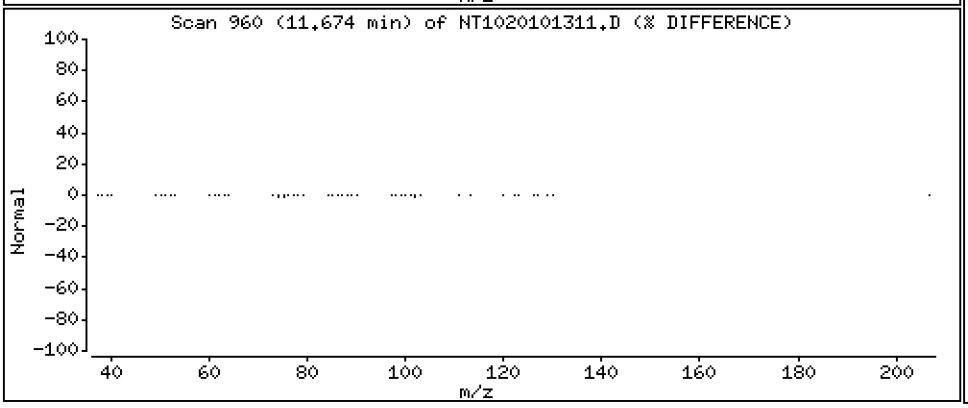
28 Naphthalene

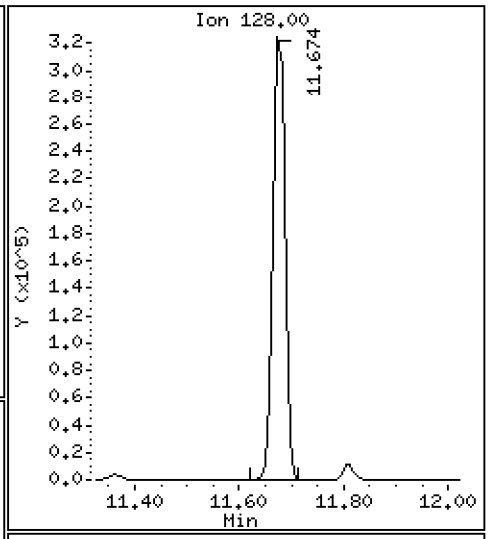
Concentration: 4.728 ug/mL

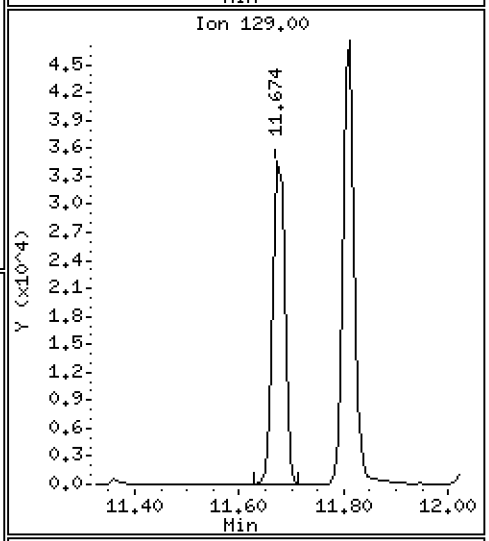


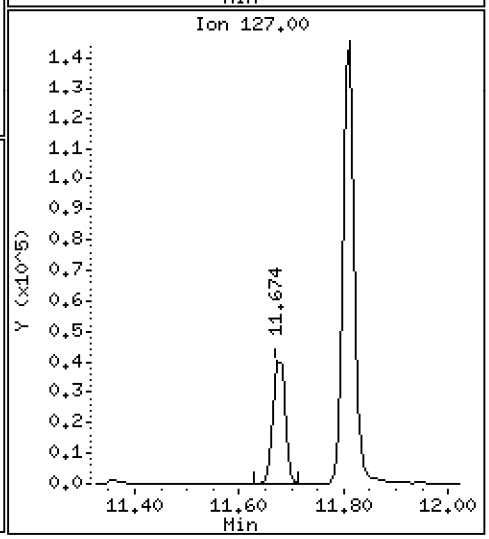












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

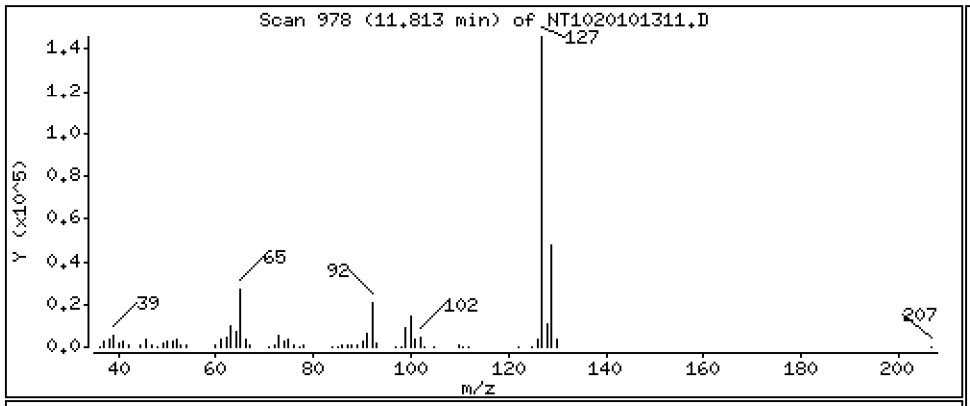
Operator: VTS

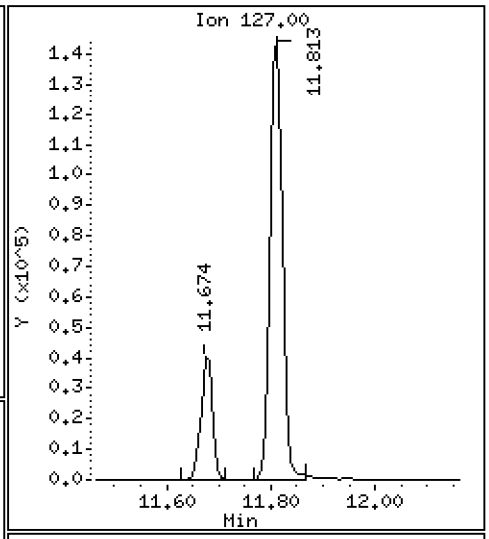
Column phase: ZB-5msi

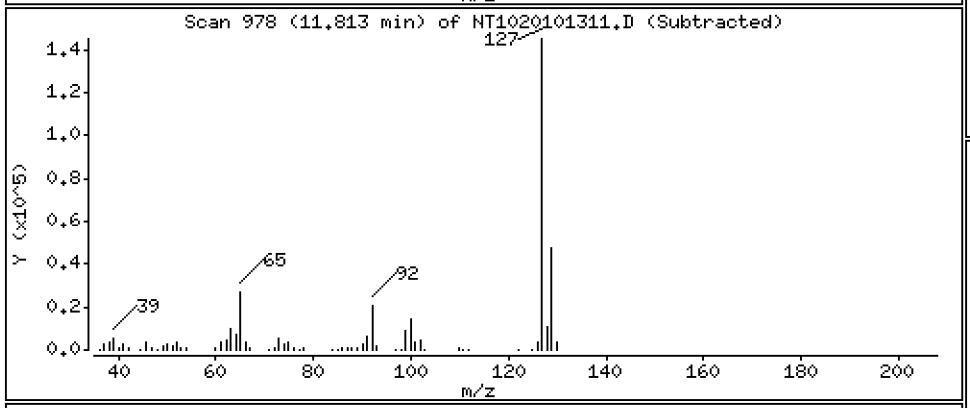
Column diameter: 0.25

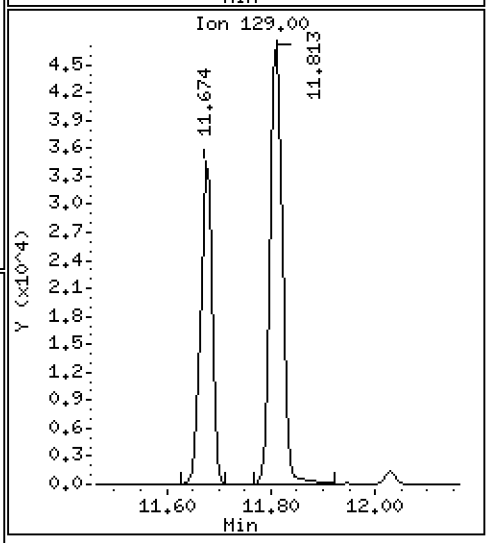
29 4-Chloroaniline

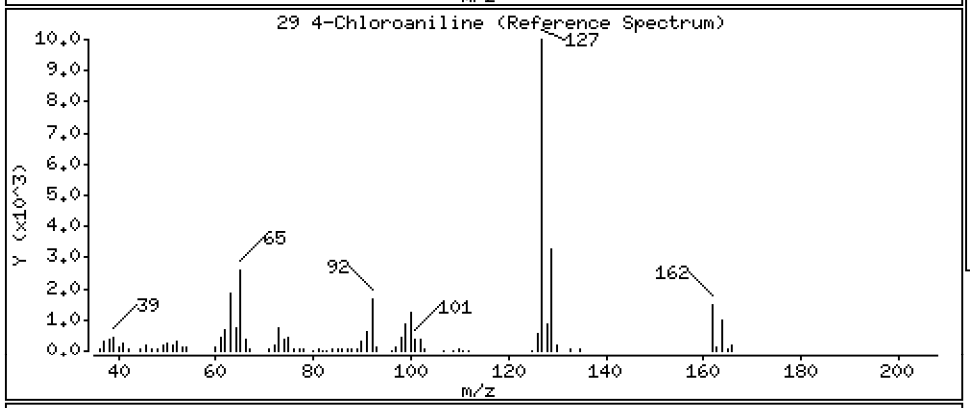
Concentration: 4.945 ug/mL

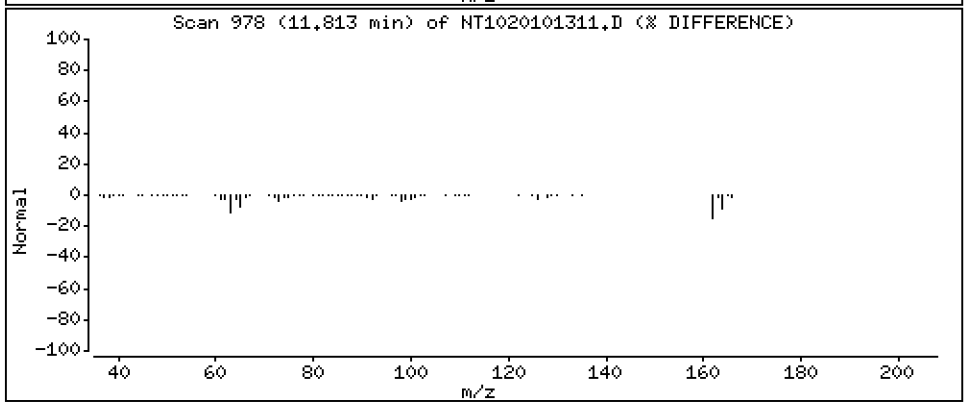












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

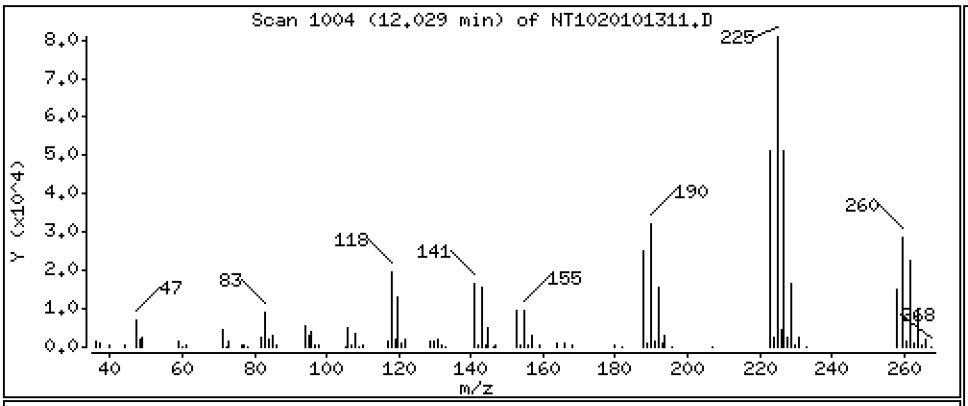
Operator: VTS

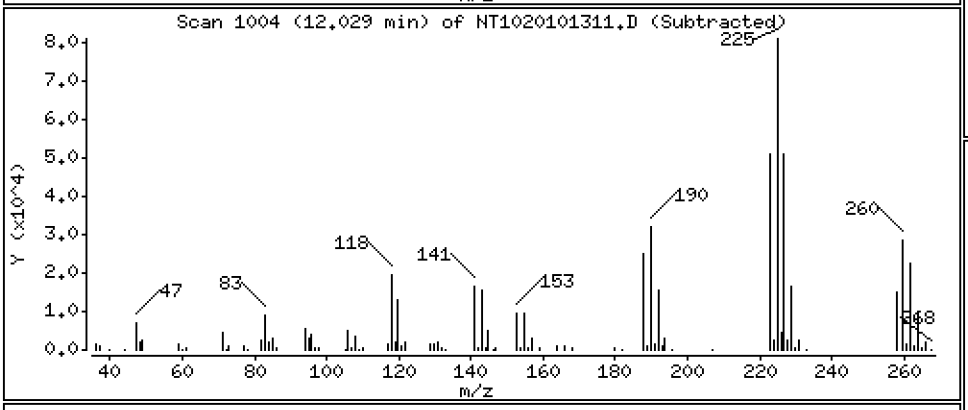
Column phase: ZB-5msi

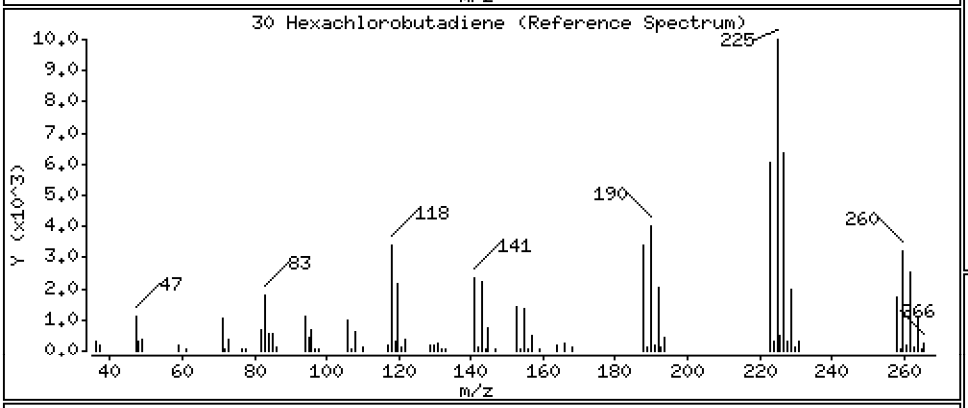
Column diameter: 0.25

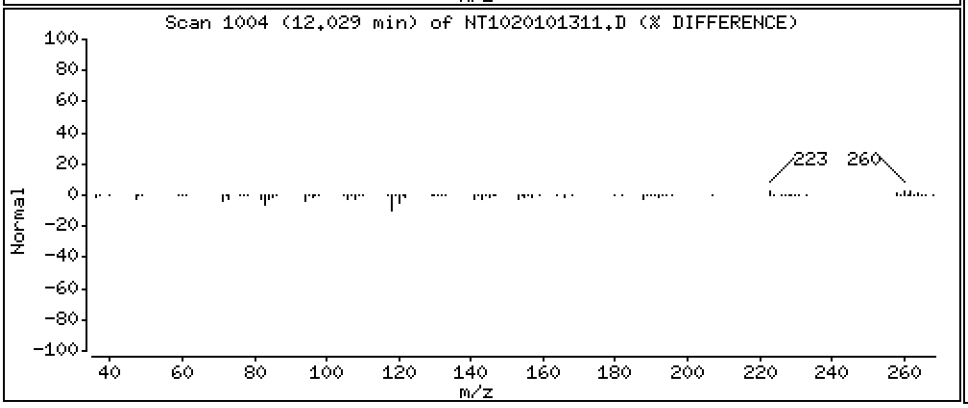
30 Hexachlorobutadiene

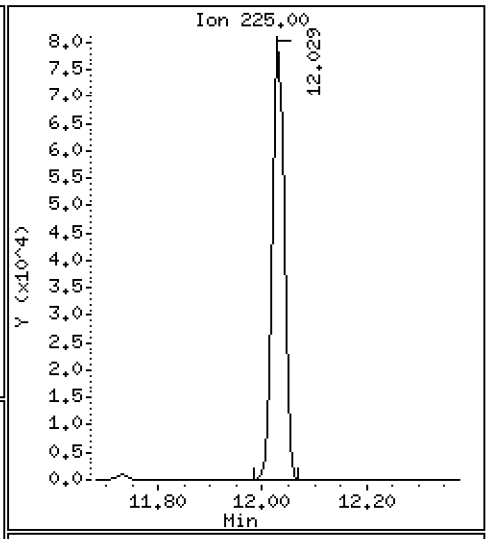
Concentration: 4.734 ug/mL

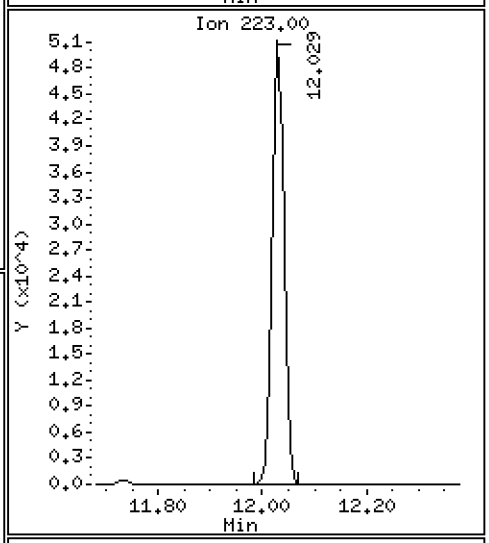


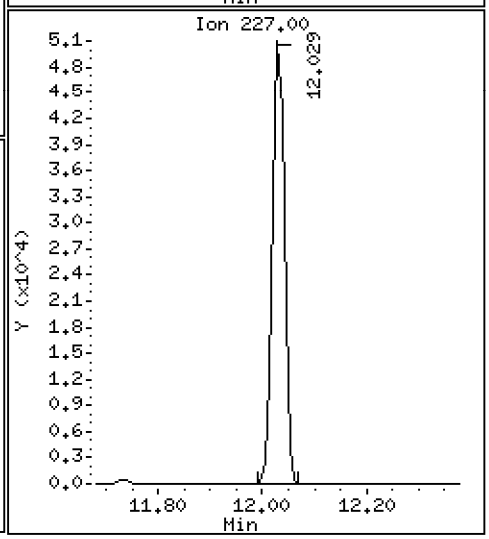












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

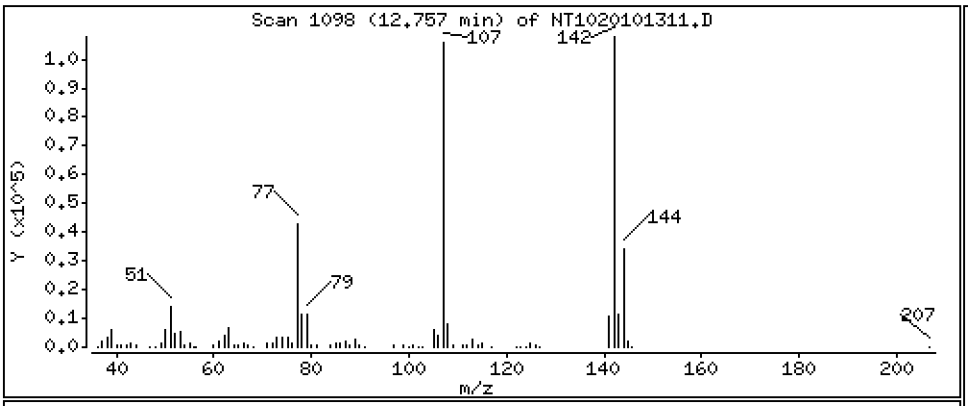
Operator: VTS

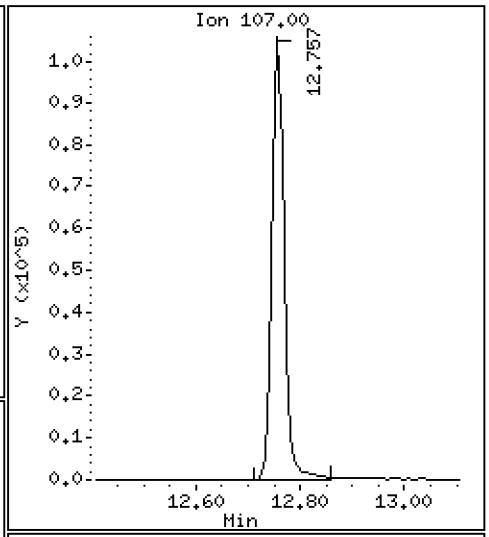
Column phase: ZB-5msi

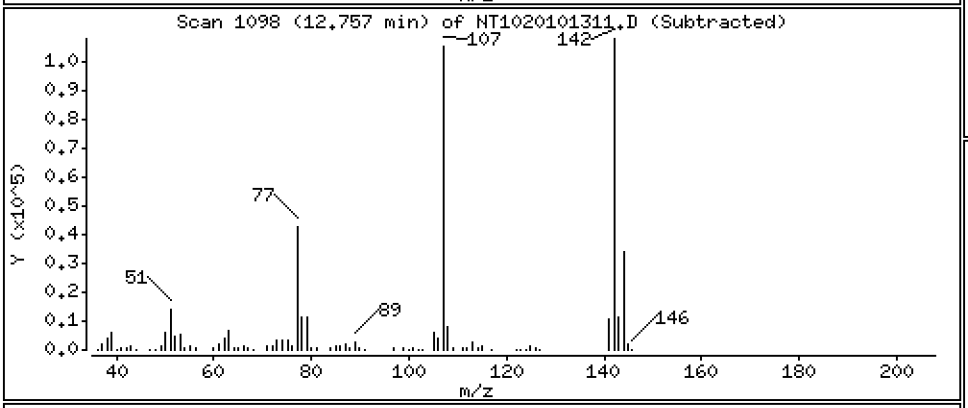
Column diameter: 0.25

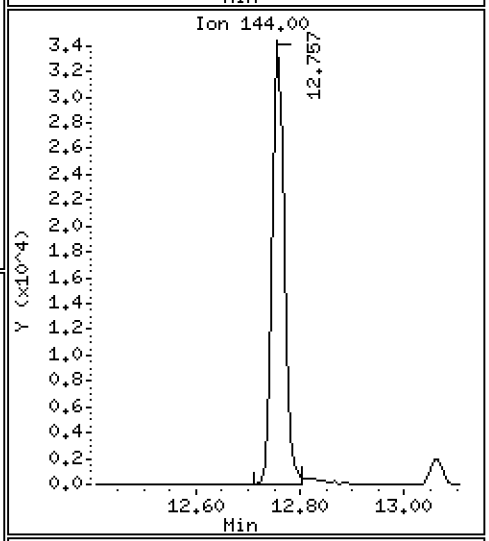
31 4-Chloro-3-methylphenol

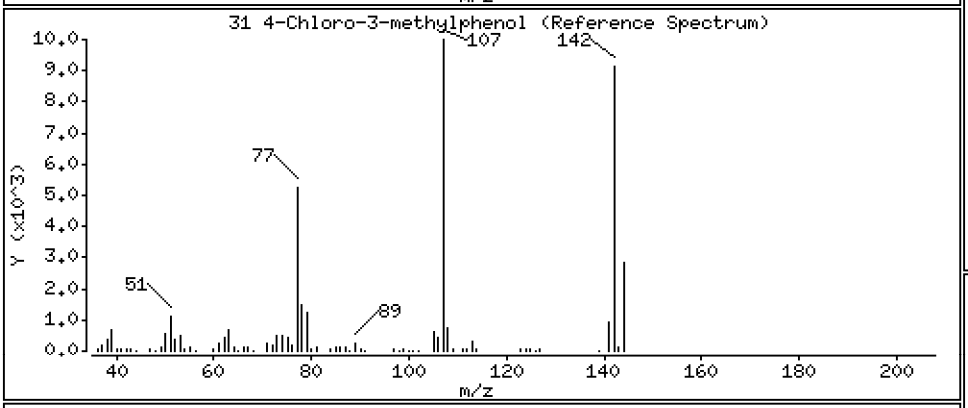
Concentration: 5.032 ug/mL

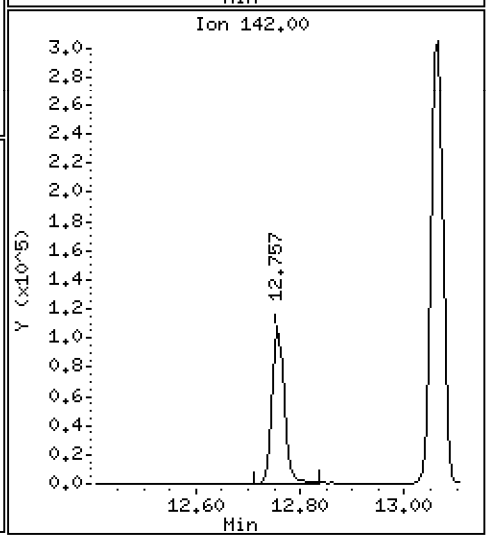


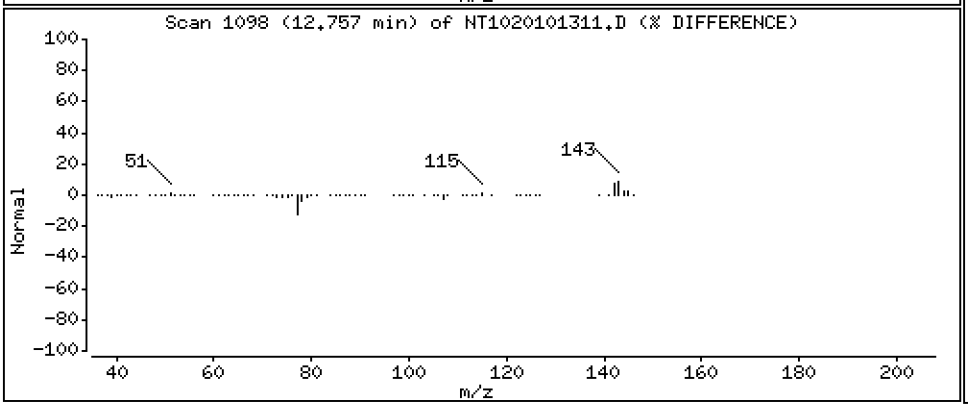












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

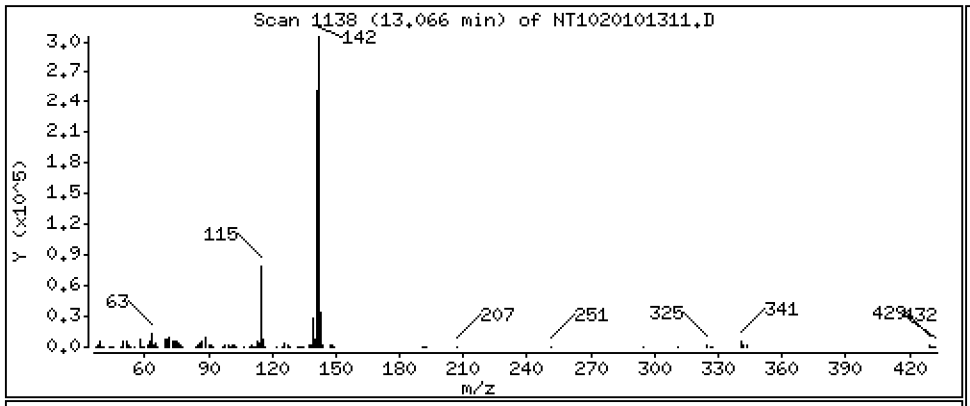
Client ID: Instrument: nt10.i

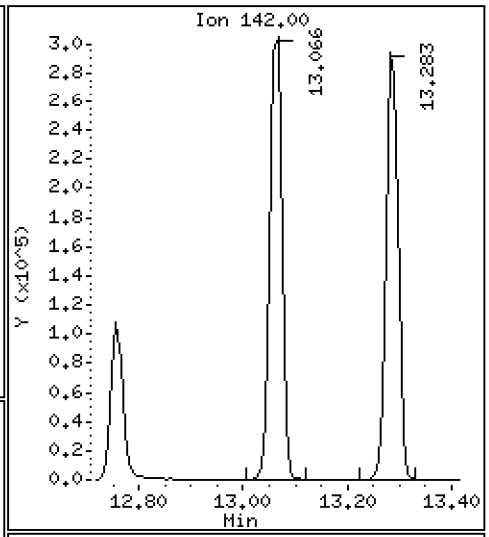
Sample Info: SIJ0179-SCV1

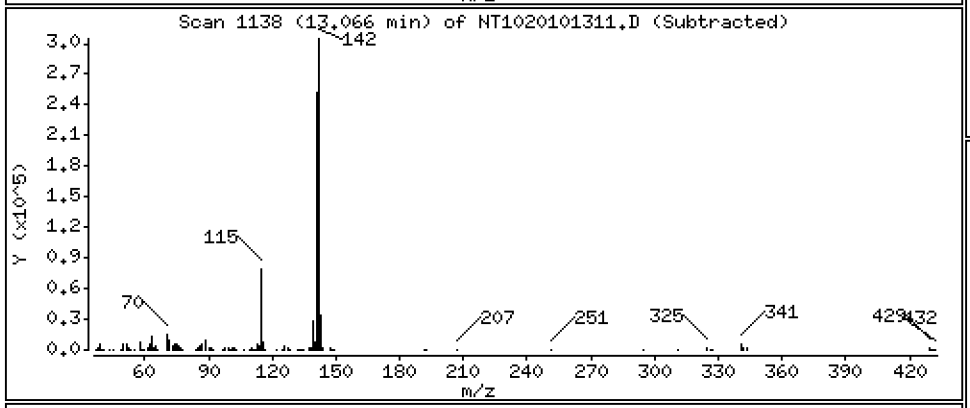
Operator: VTS

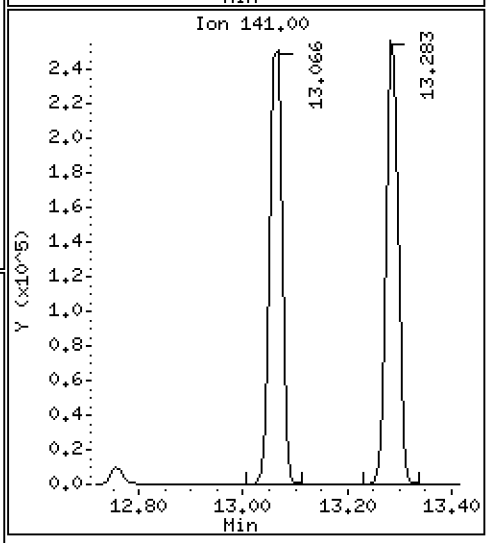
Column phase: ZB-5msi Column diameter: 0.25

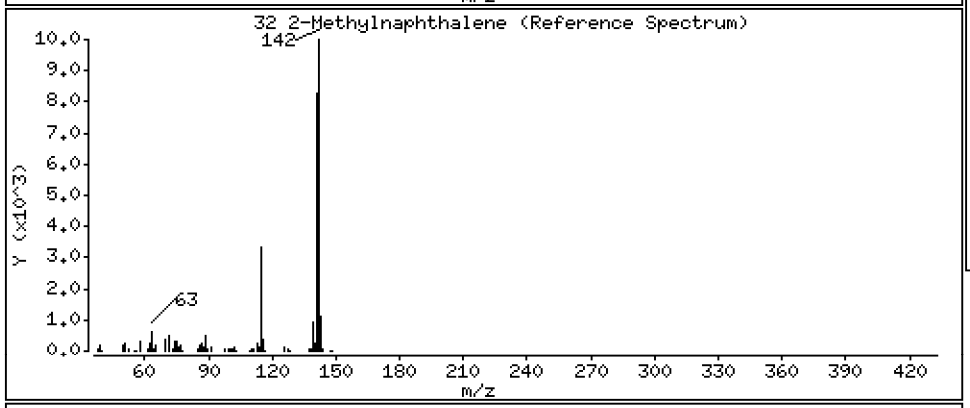
32 2-Methylnaphthalene Concentration: 4.909 ug/mL

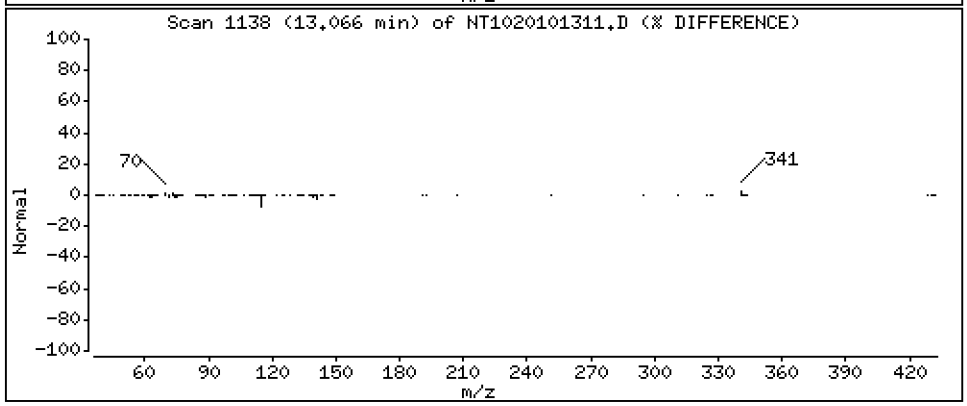












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

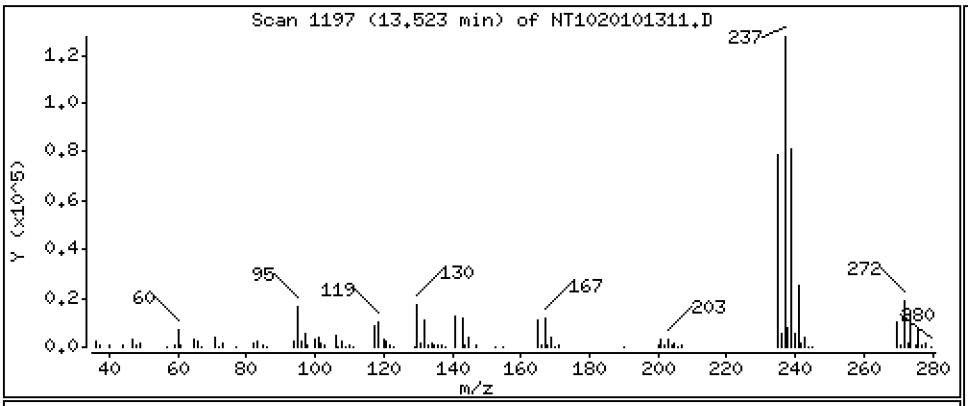
Operator: VTS

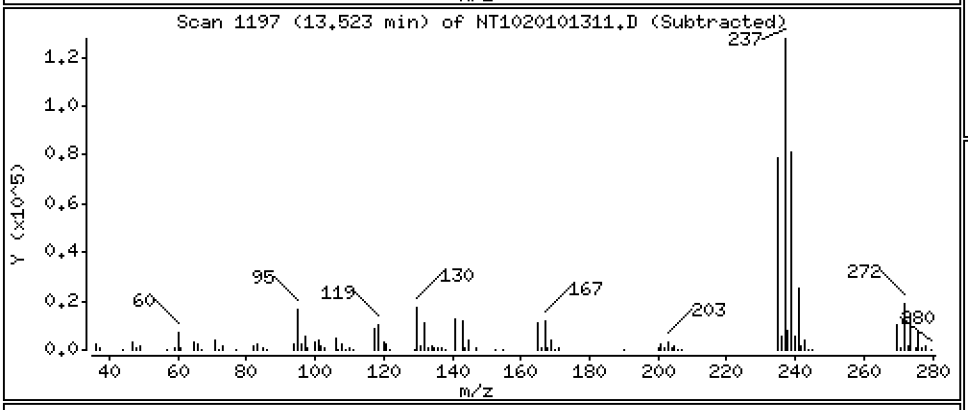
Column phase: ZB-5msi

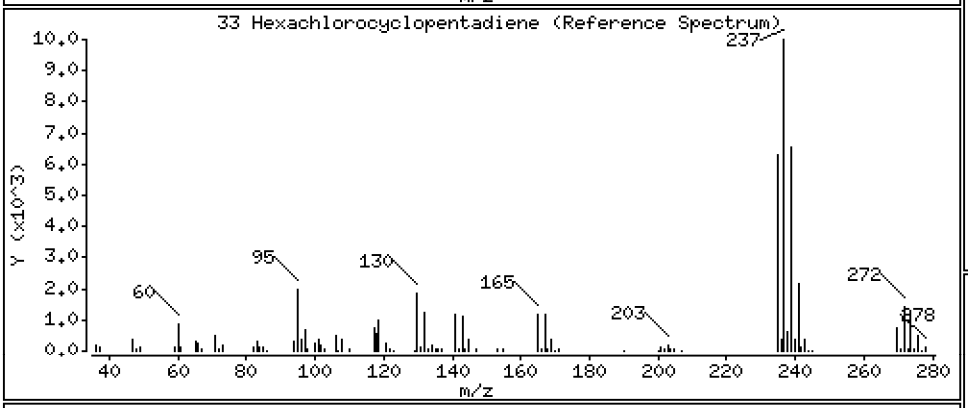
Column diameter: 0.25

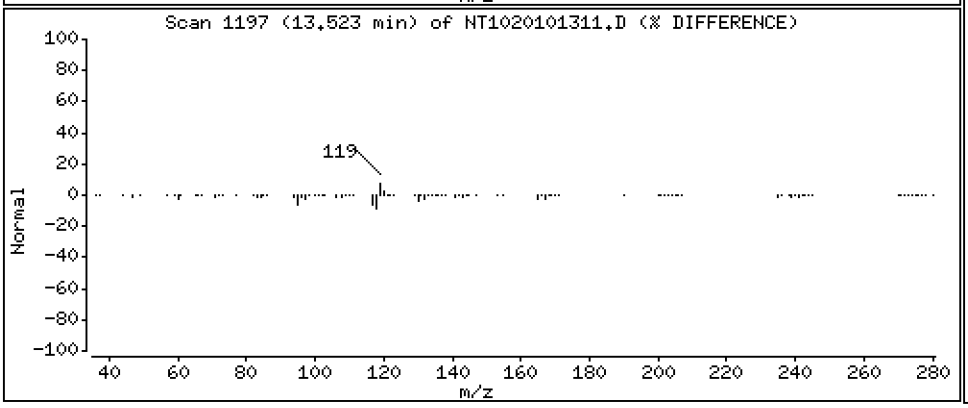
33 Hexachlorocyclopentadiene

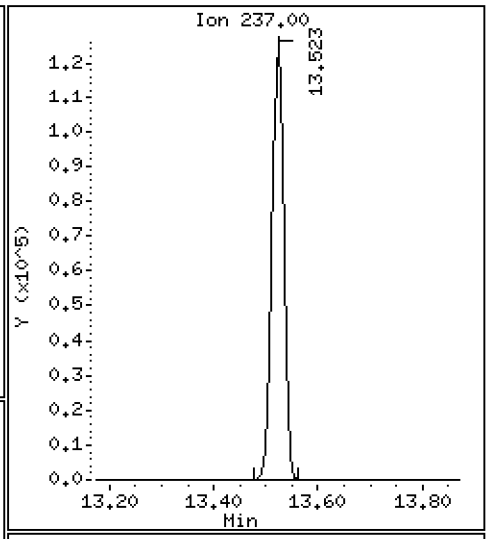
Concentration: 5.611 ug/mL

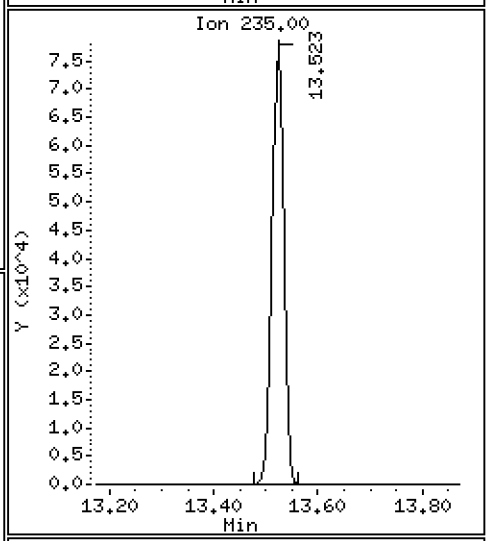


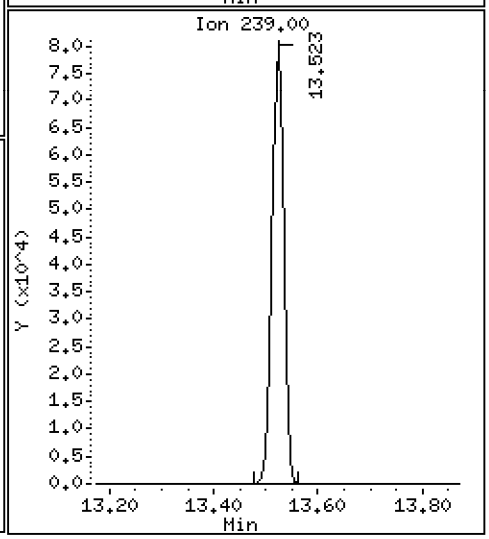












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

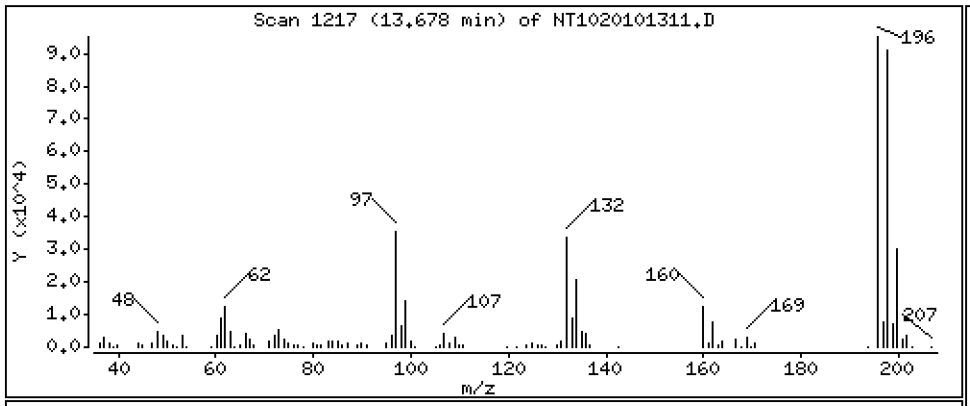
Operator: VTS

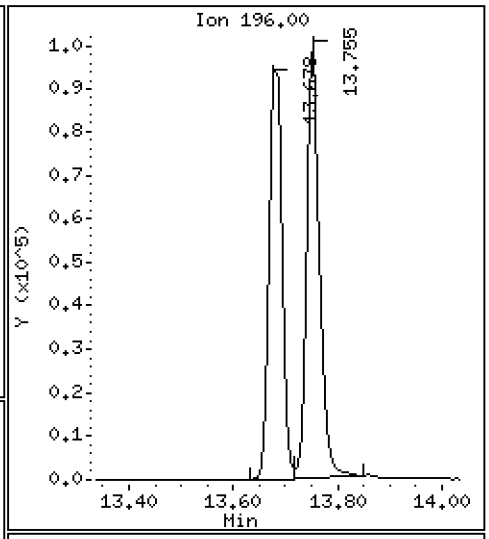
Column phase: ZB-5msi

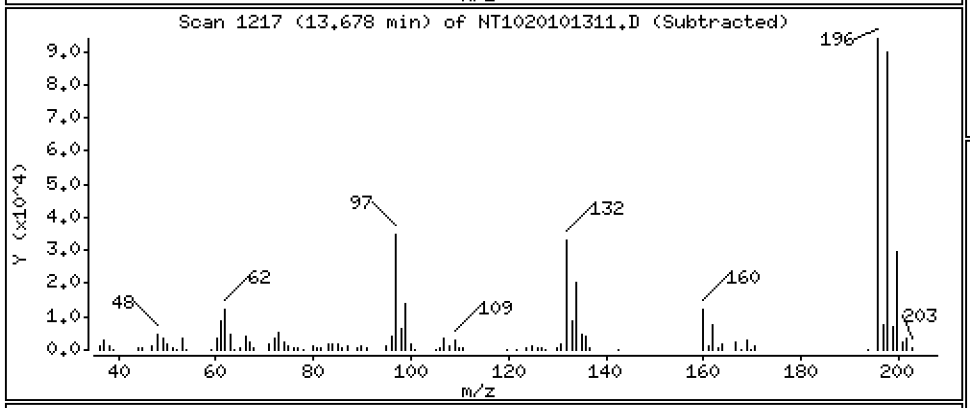
Column diameter: 0.25

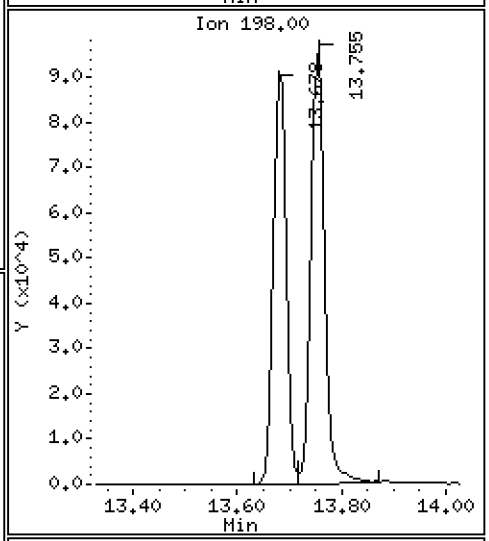
34 2,4,6-Trichlorophenol

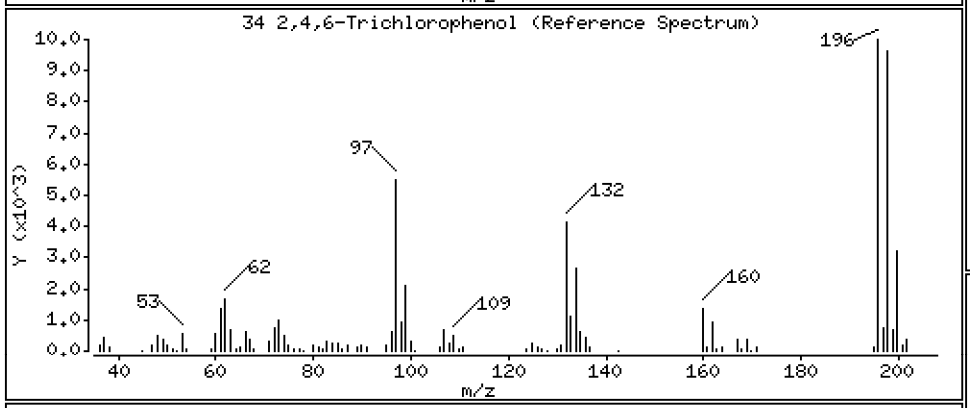
Concentration: 5.176 ug/mL

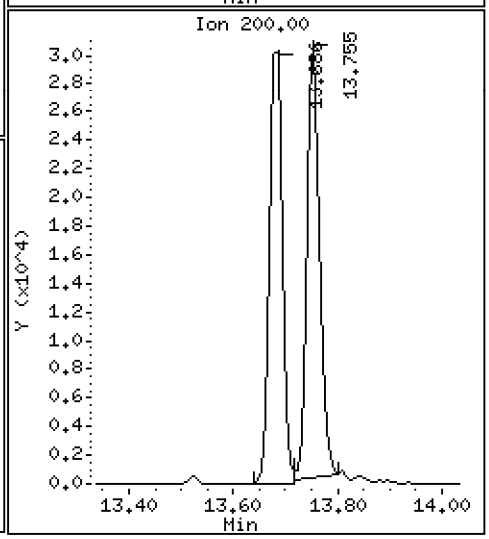


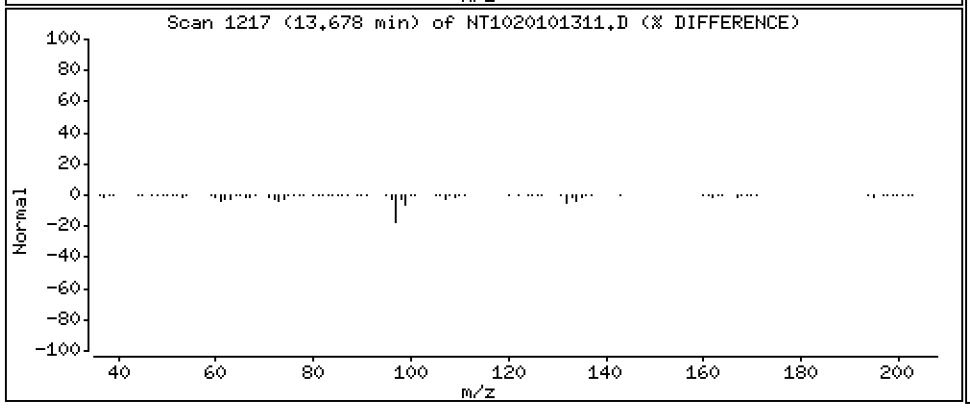












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

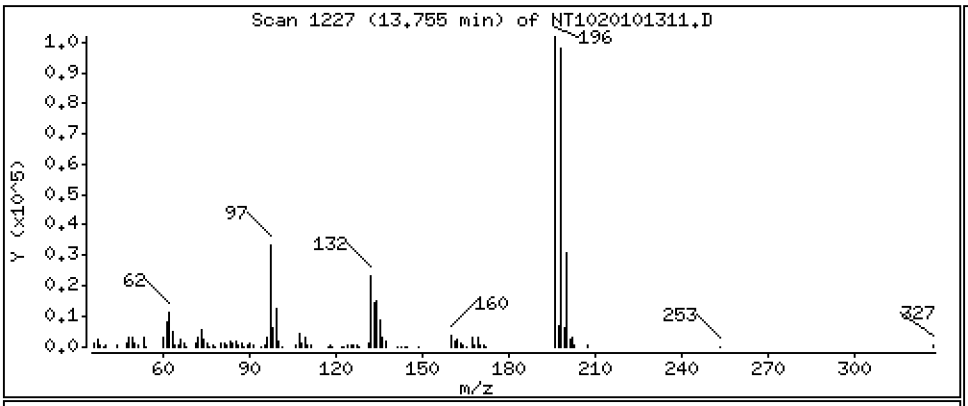
Operator: VTS

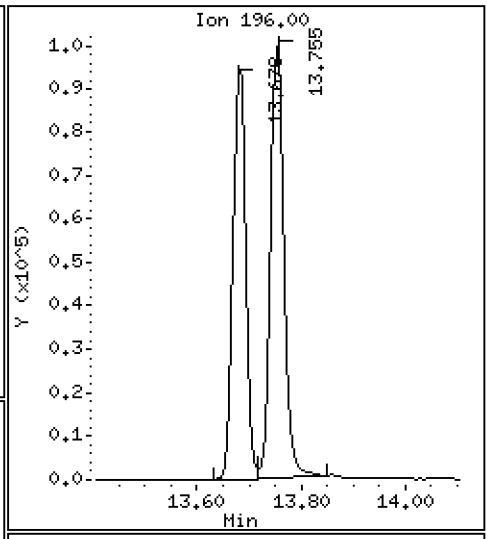
Column phase: ZB-5msi

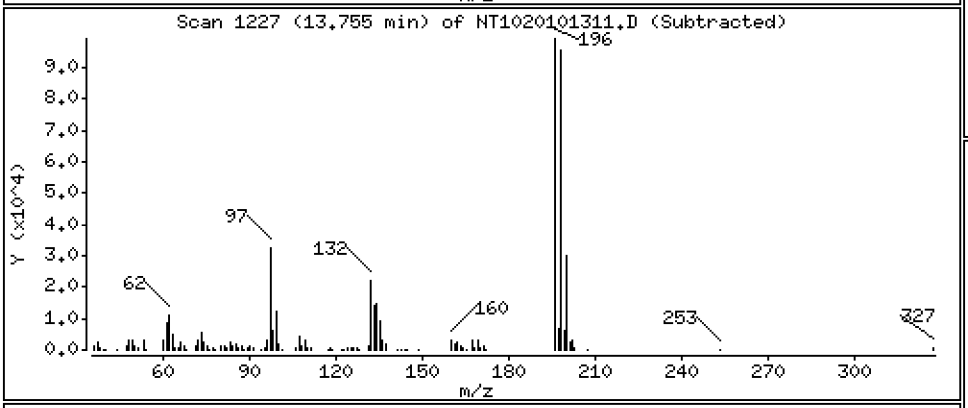
Column diameter: 0.25

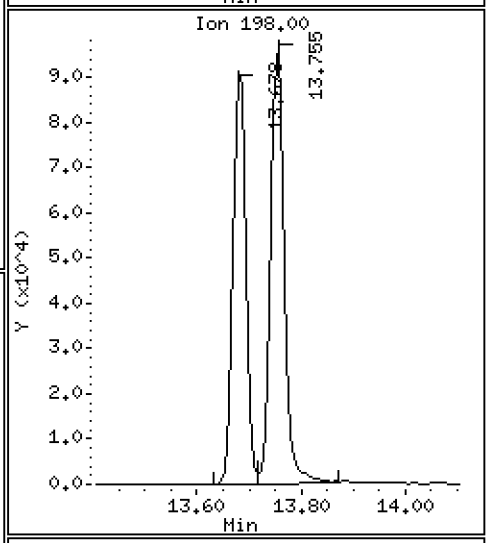
35 2,4,5-Trichlorophenol

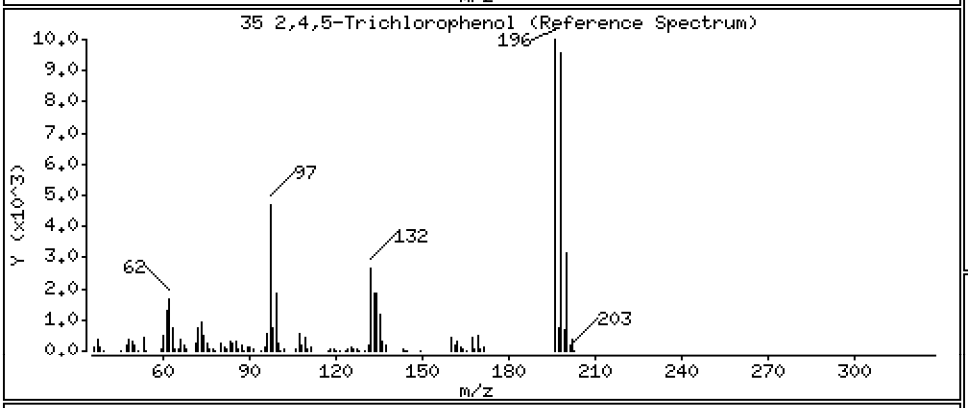
Concentration: 5.062 ug/mL

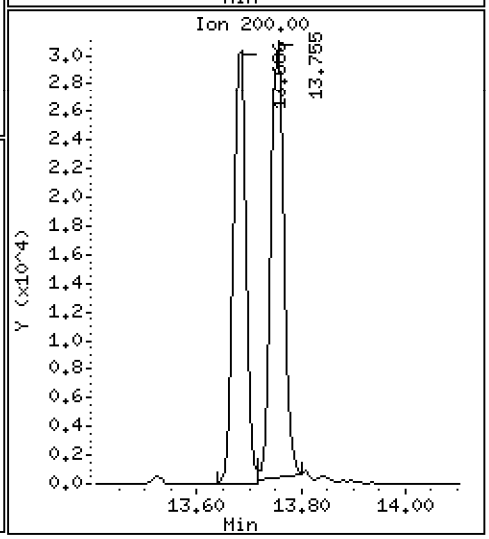


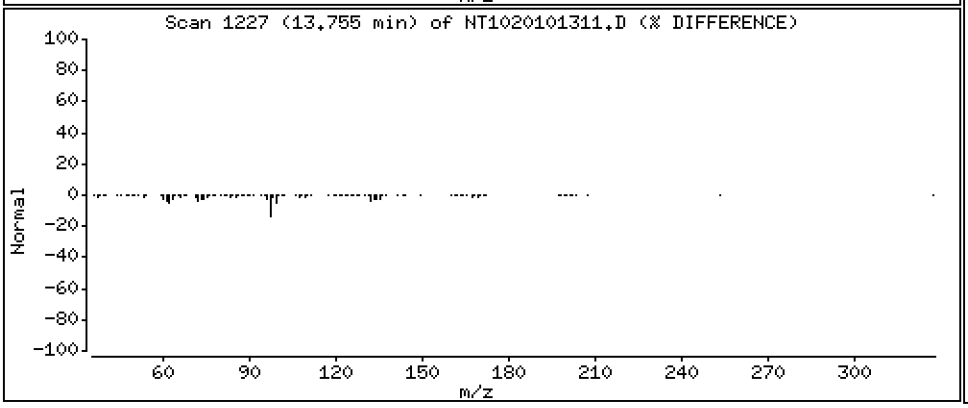












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

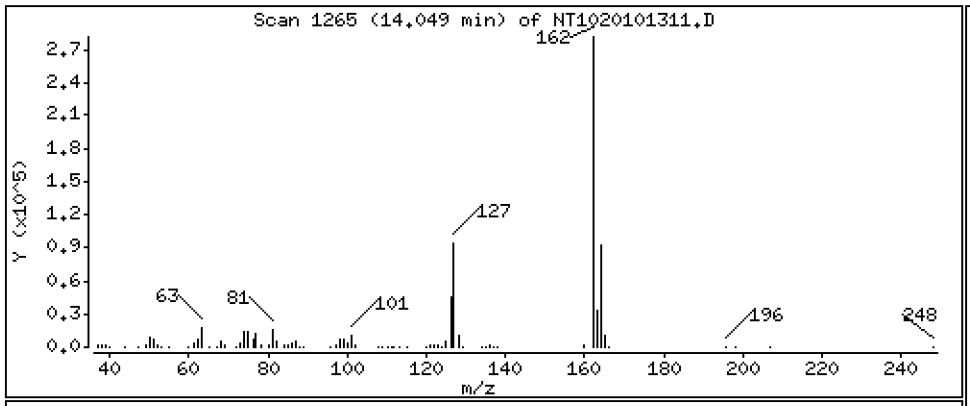
Operator: VTS

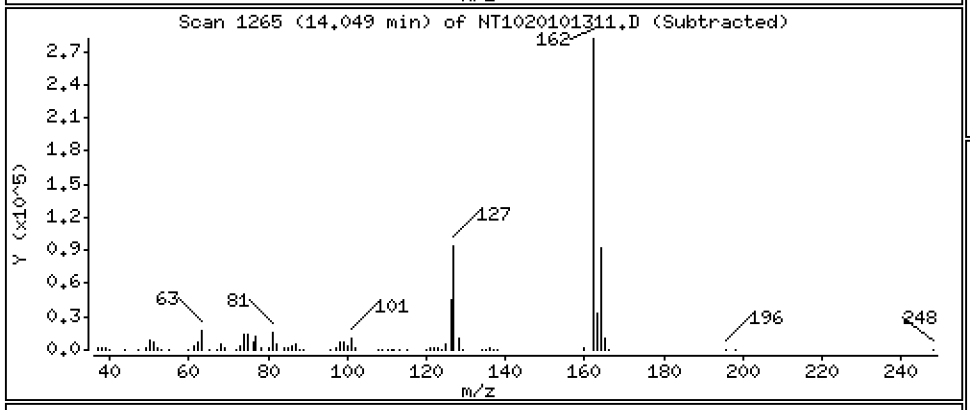
Column phase: ZB-5msi

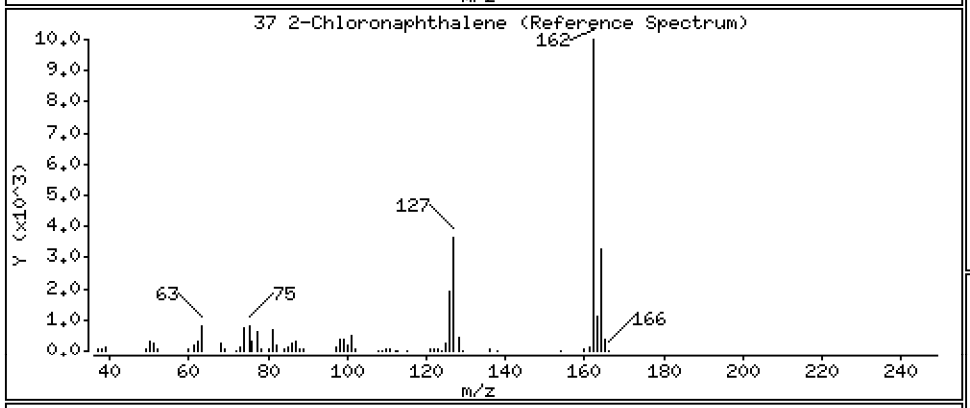
Column diameter: 0.25

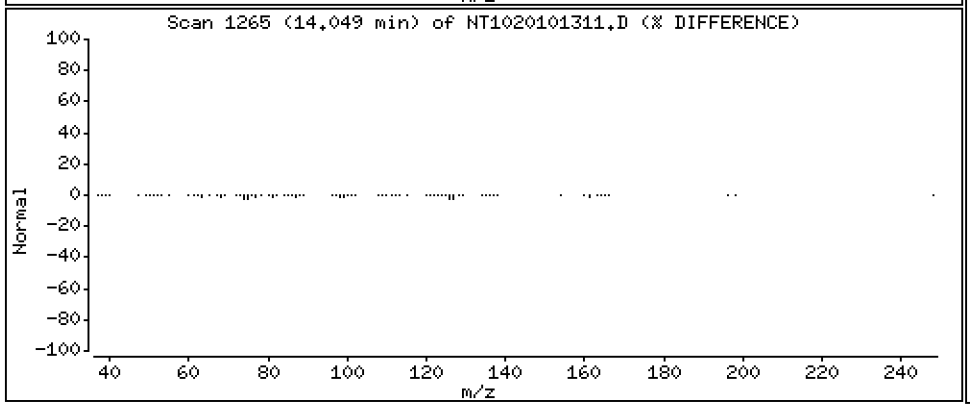
37 2-Chloronaphthalene

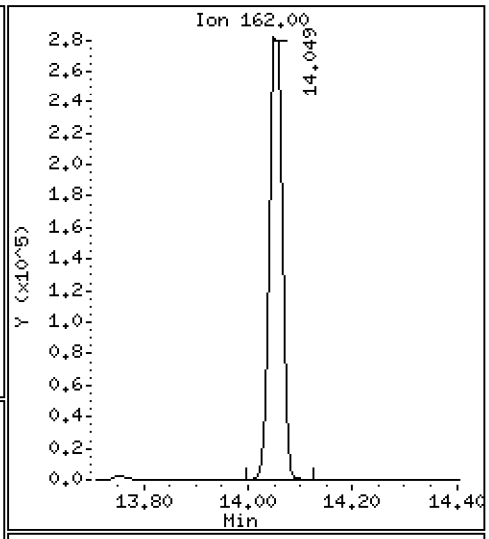
Concentration: 4.783 ug/mL

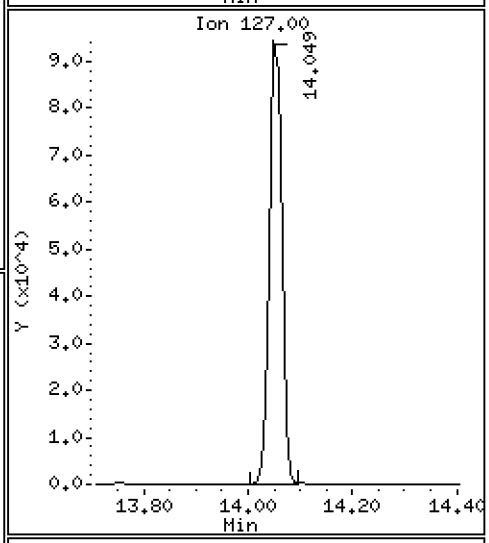


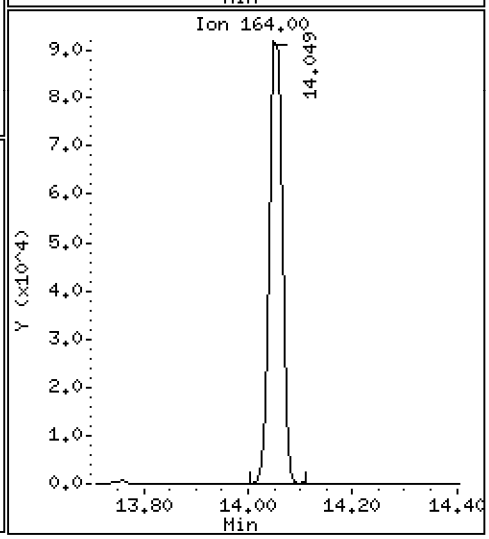












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

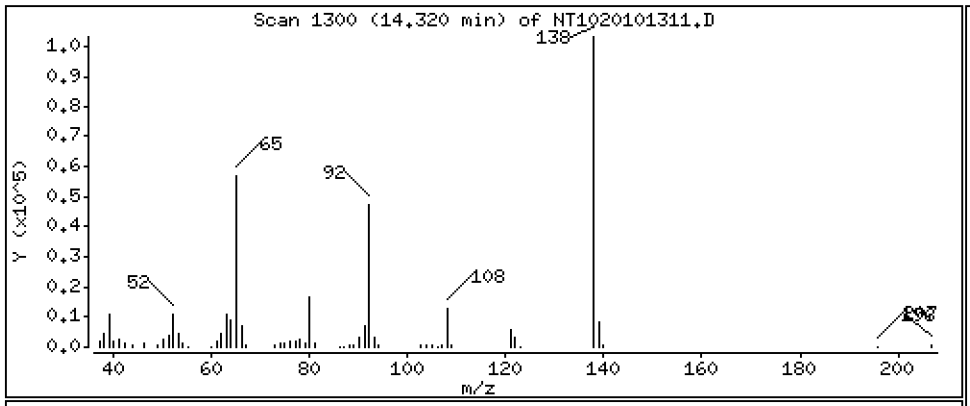
Operator: VTS

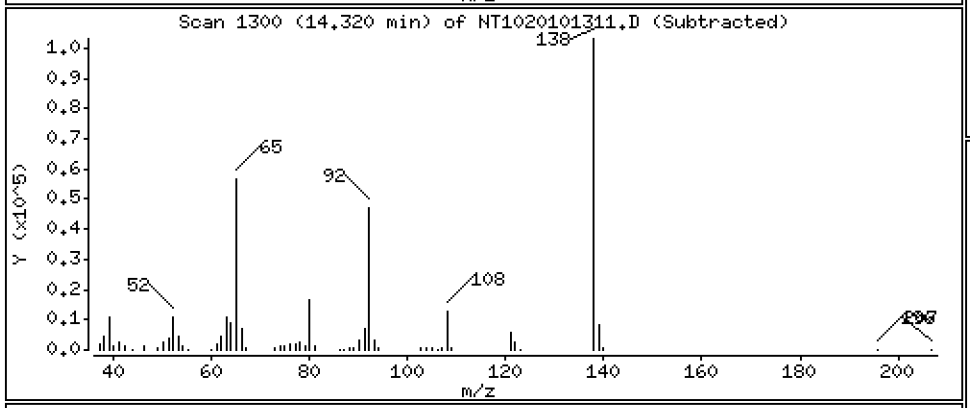
Column phase: ZB-5msi

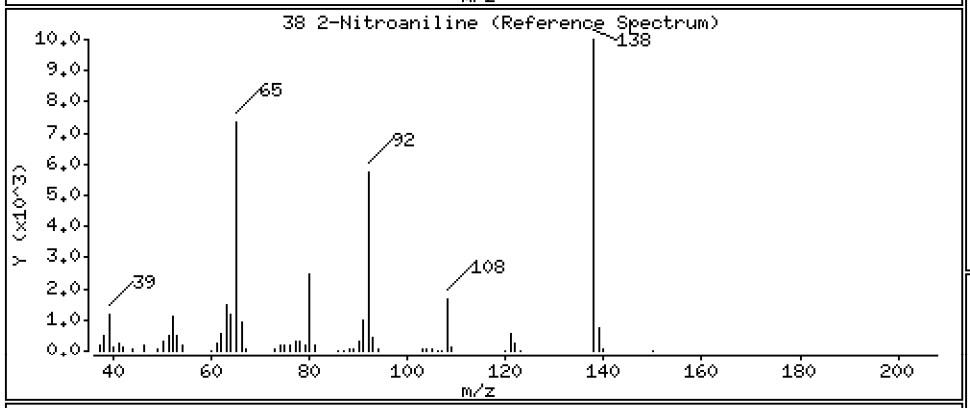
Column diameter: 0.25

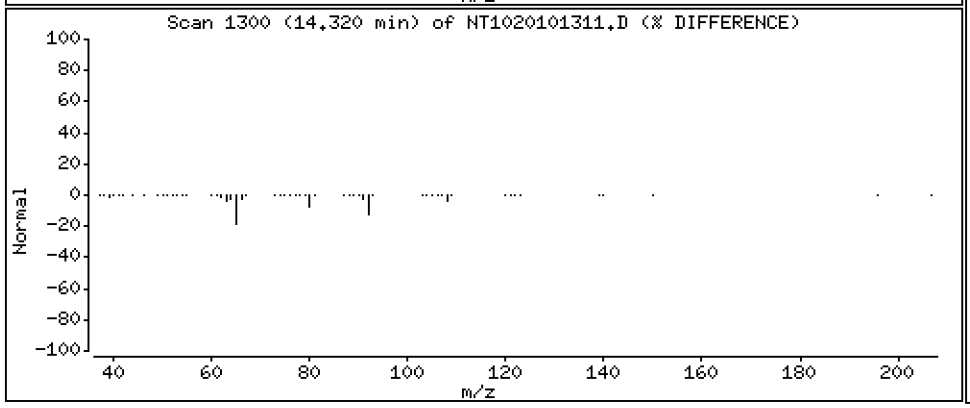
38 2-Nitroaniline

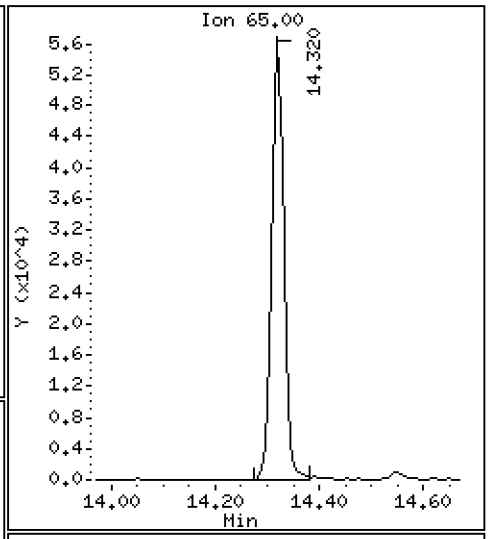
Concentration: 5.326 ug/mL

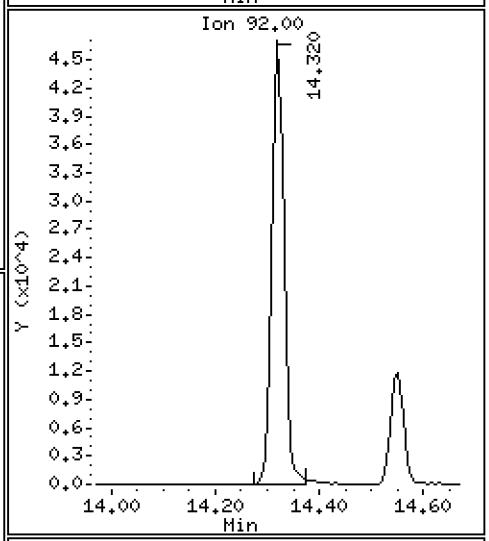


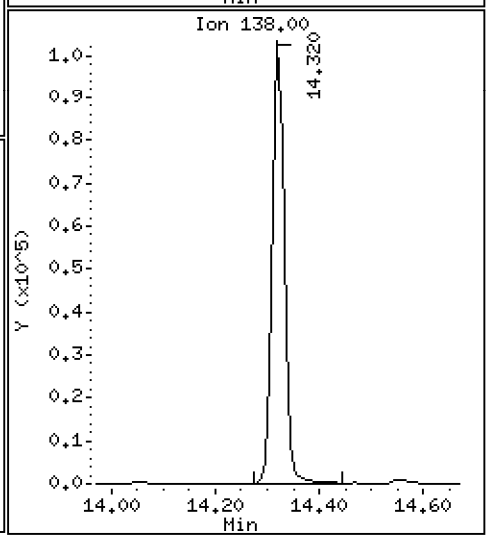












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

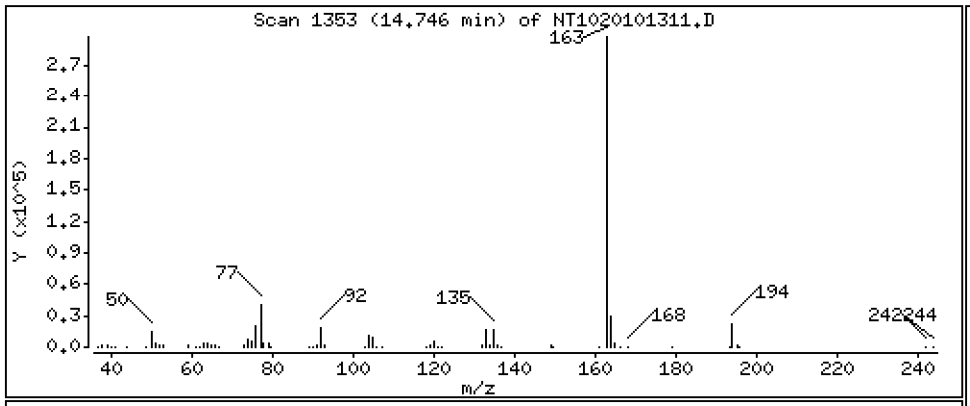
Operator: VTS

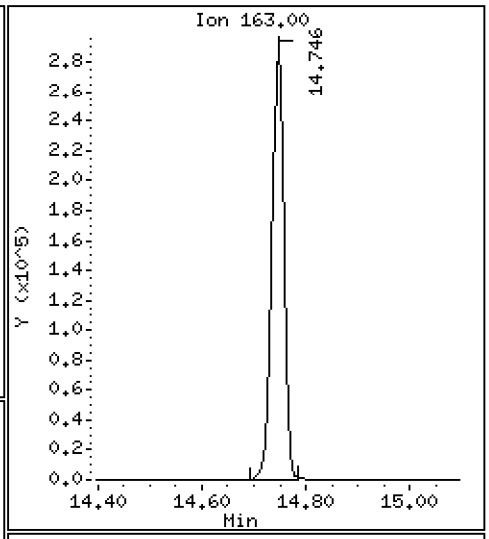
Column phase: ZB-5msi

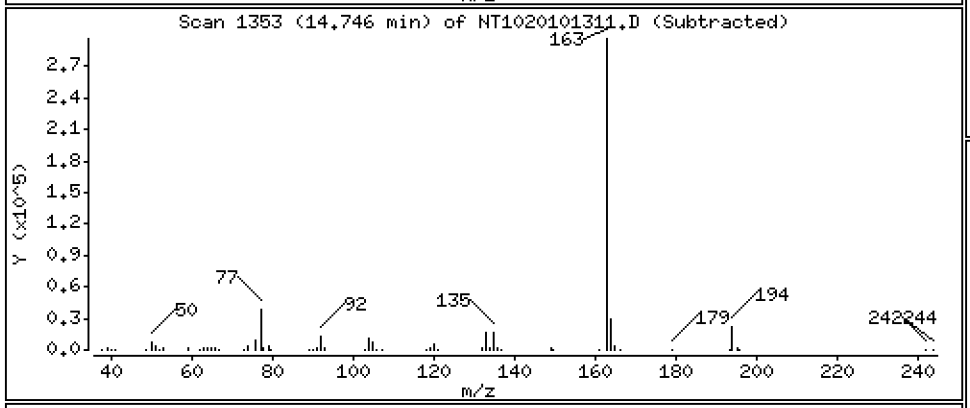
Column diameter: 0.25

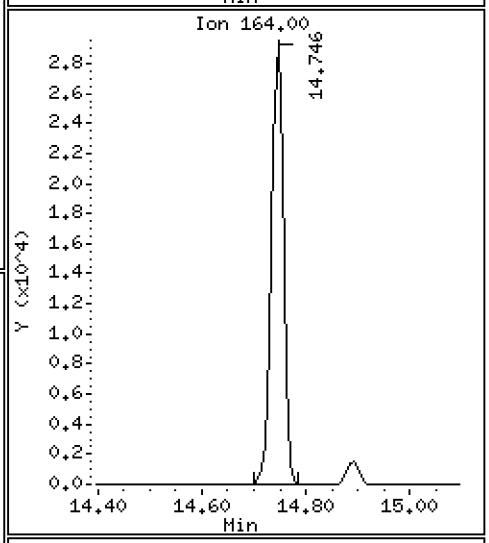
39 Dimethylphthalate

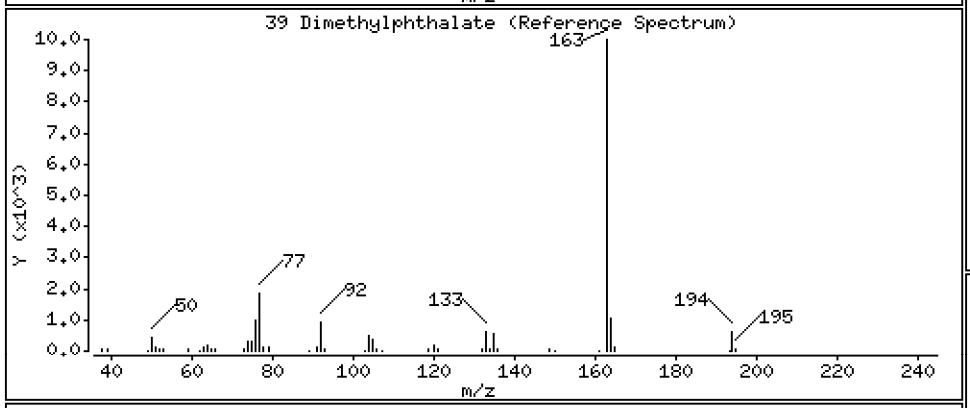
Concentration: 4.796 ug/mL

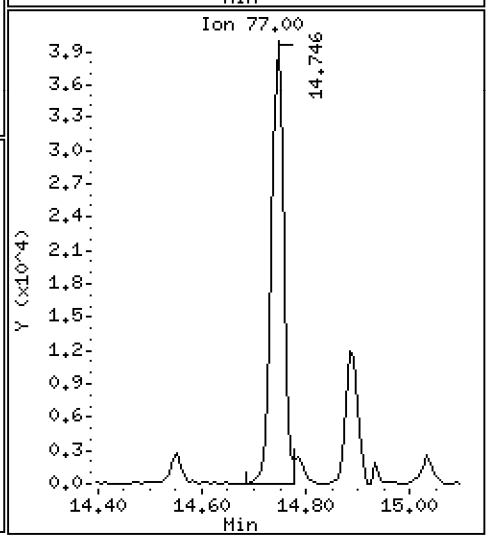


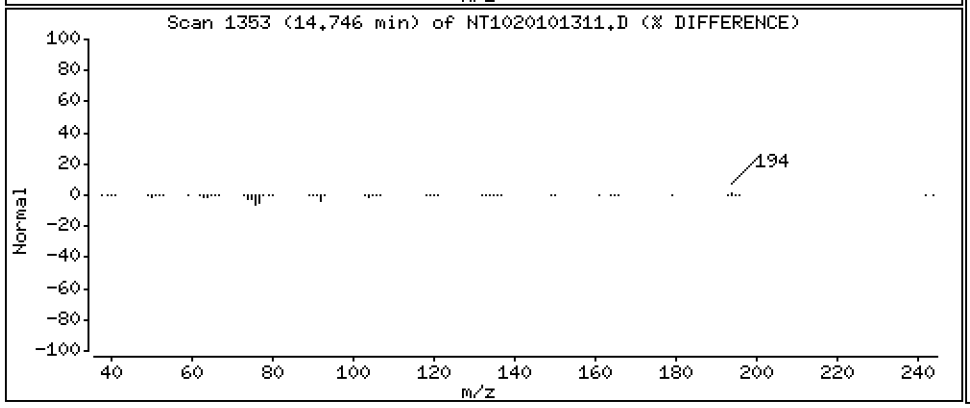












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

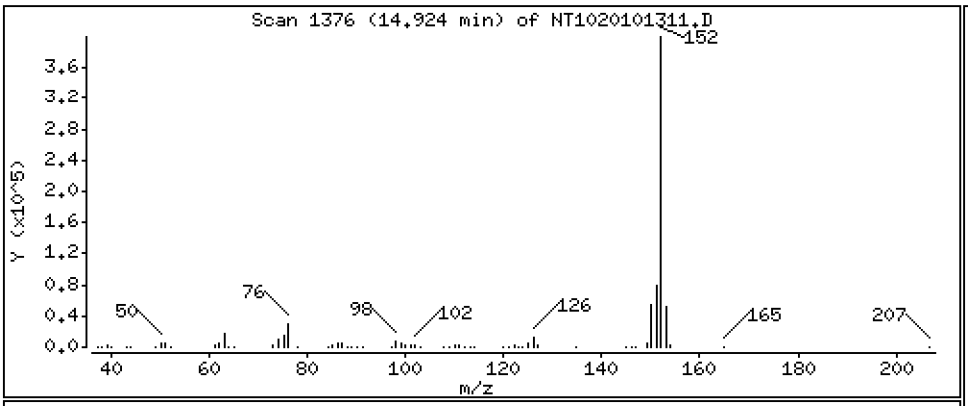
Operator: VTS

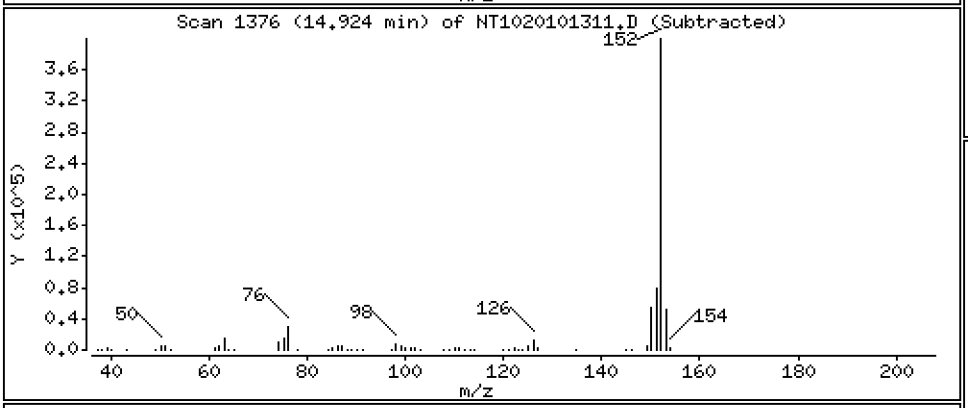
Column phase: ZB-5msi

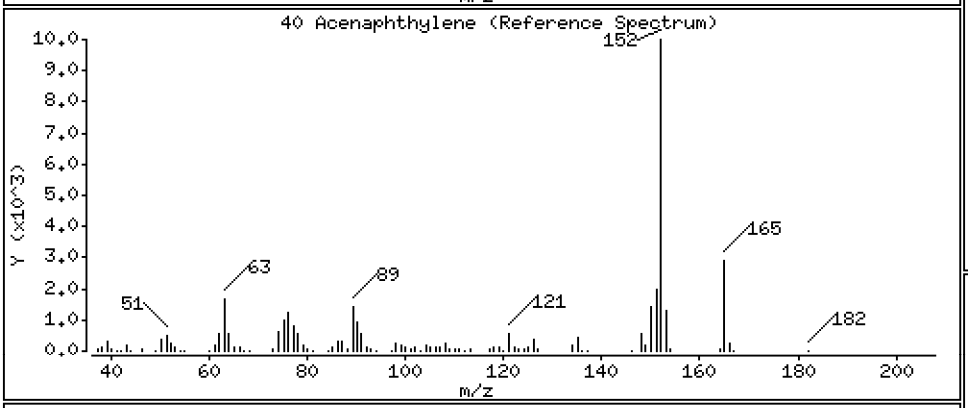
Column diameter: 0.25

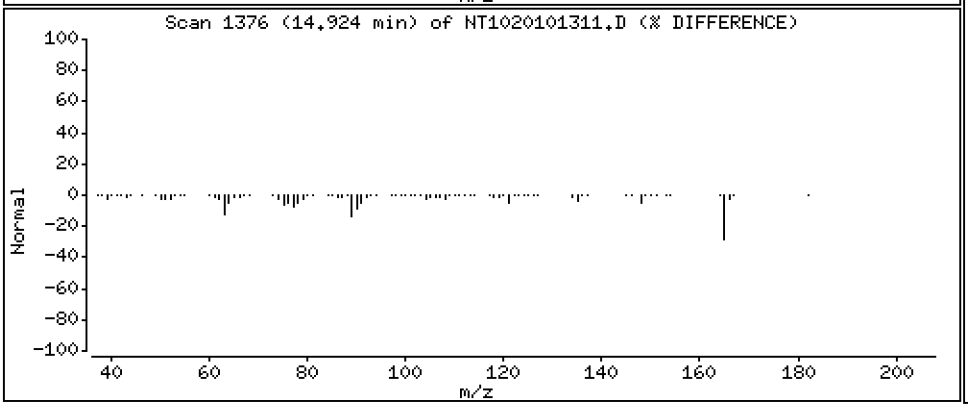
40 Acenaphthylene

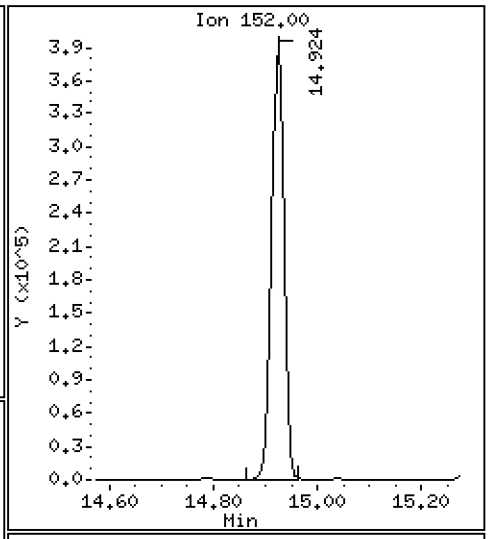
Concentration: 4.096 ug/mL

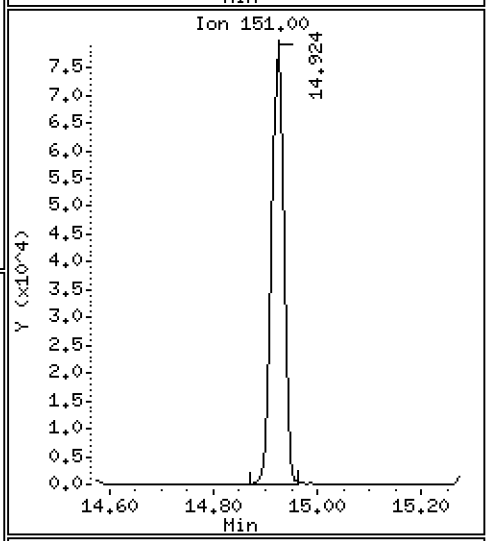


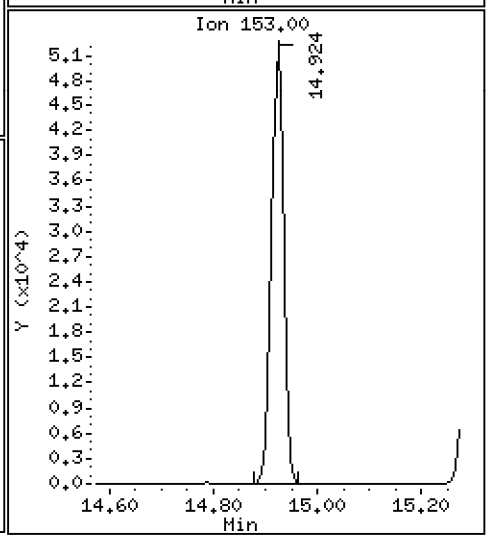












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

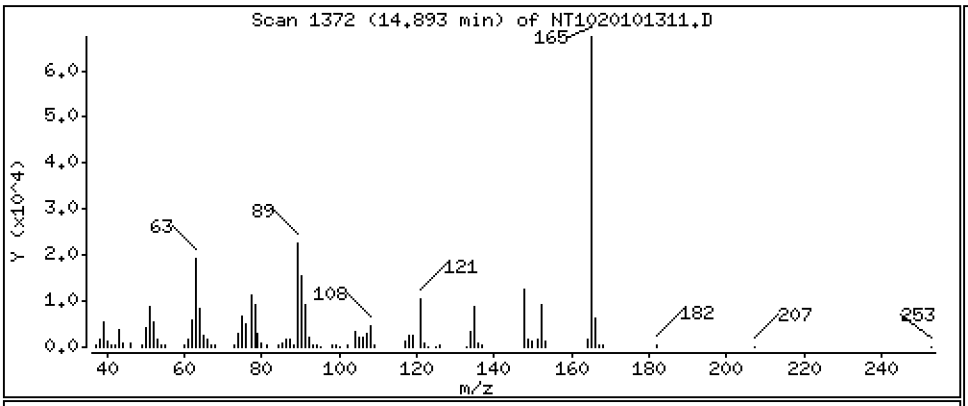
Operator: VTS

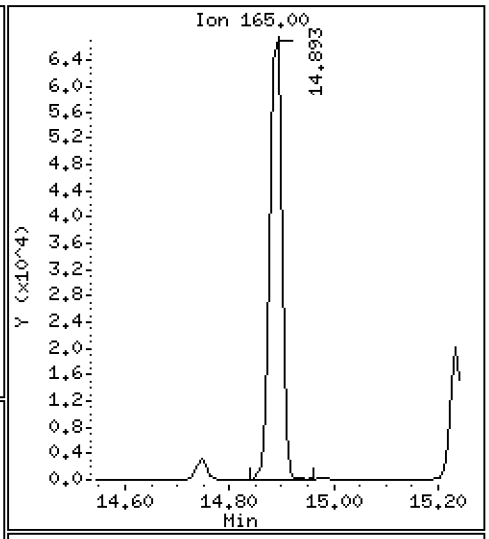
Column phase: ZB-5msi

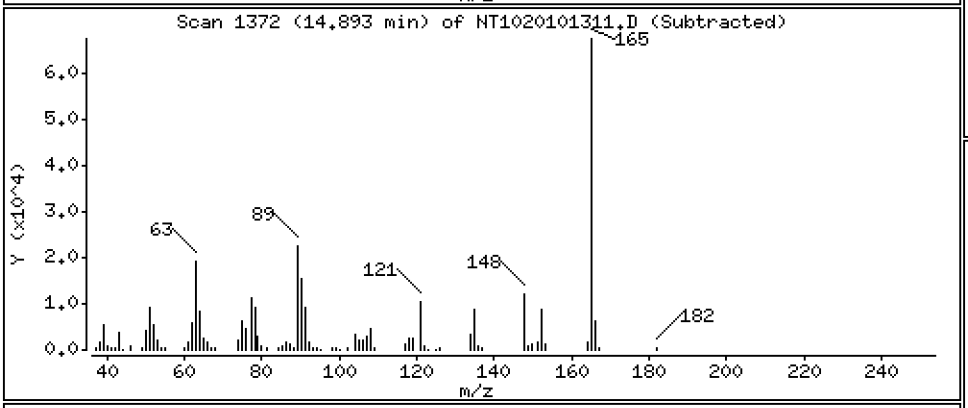
Column diameter: 0.25

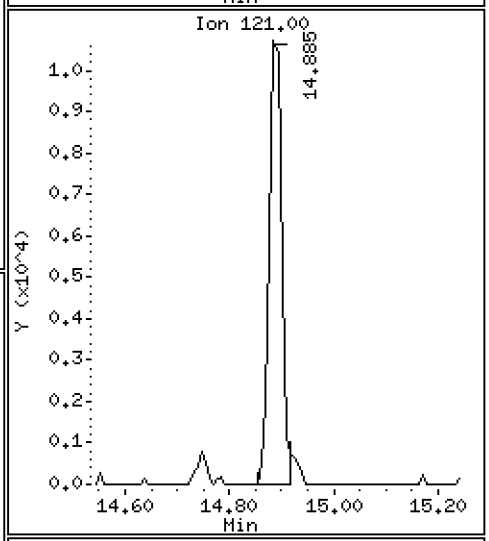
41 2,6-Dinitrotoluene

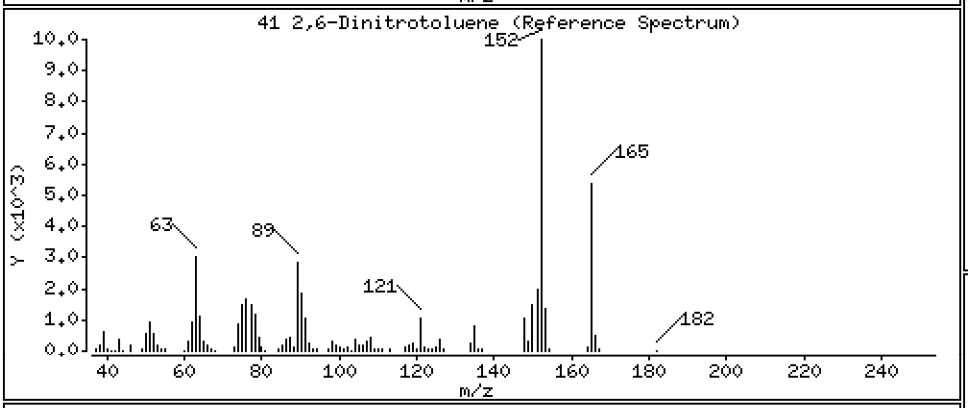
Concentration: 4.873 ug/mL

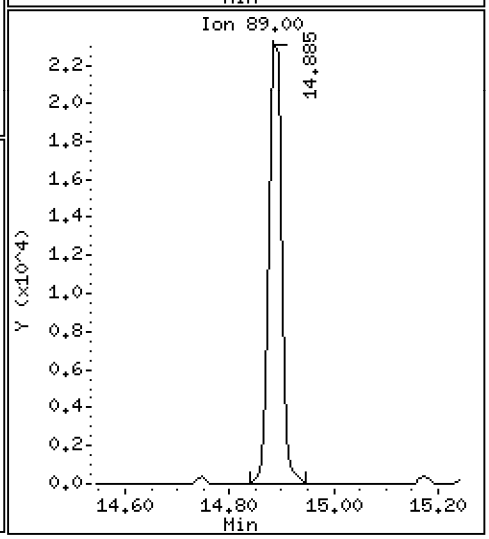


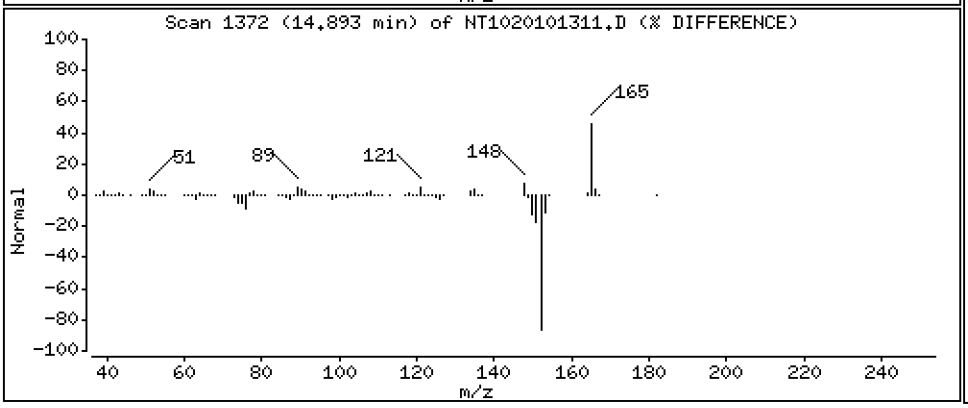












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

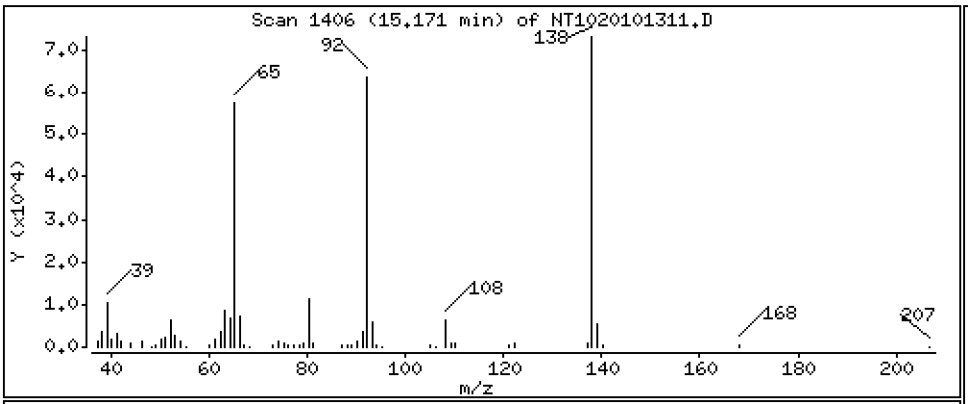
Operator: VTS

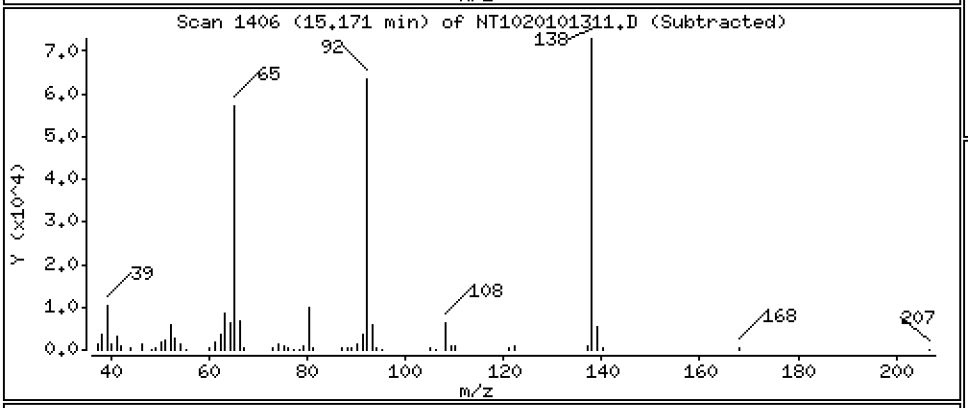
Column phase: ZB-5msi

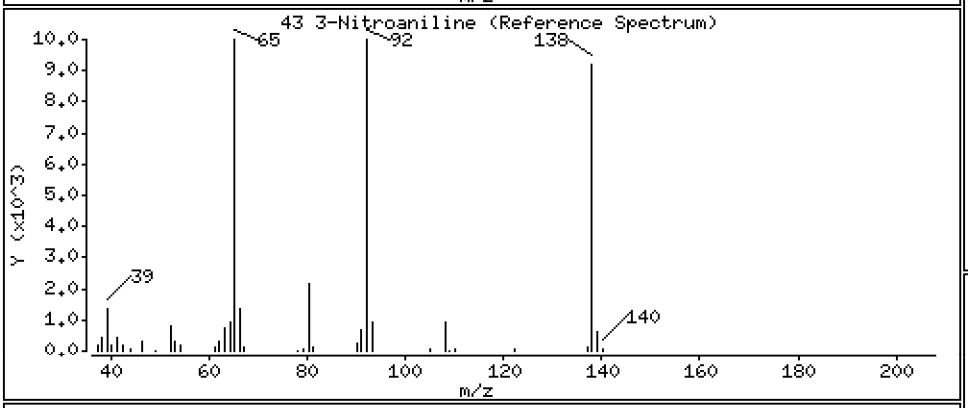
Column diameter: 0.25

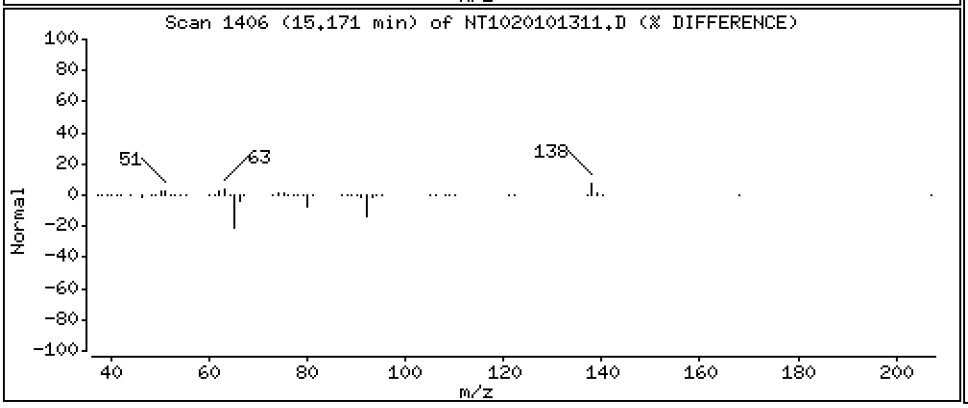
43 3-Nitroaniline

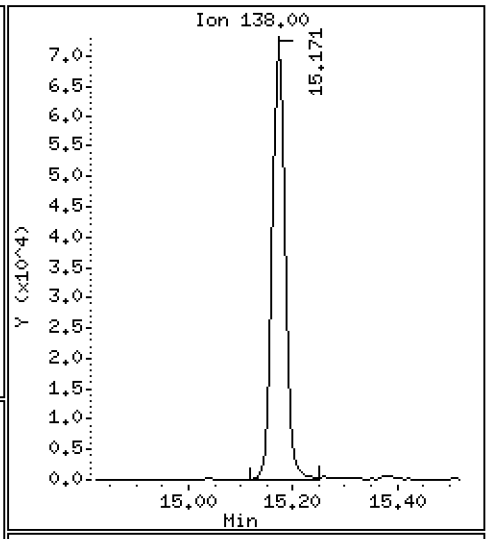
Concentration: 5.167 ug/mL

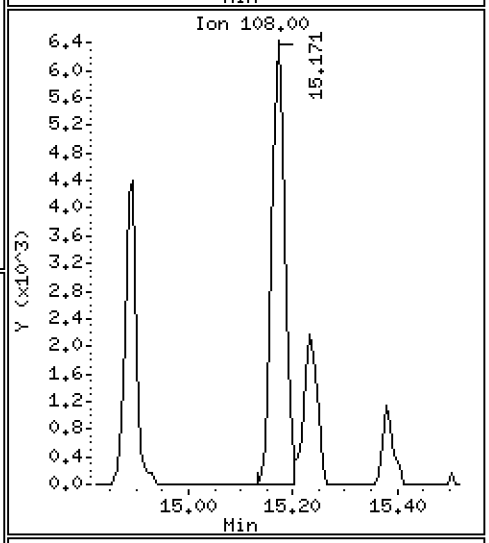


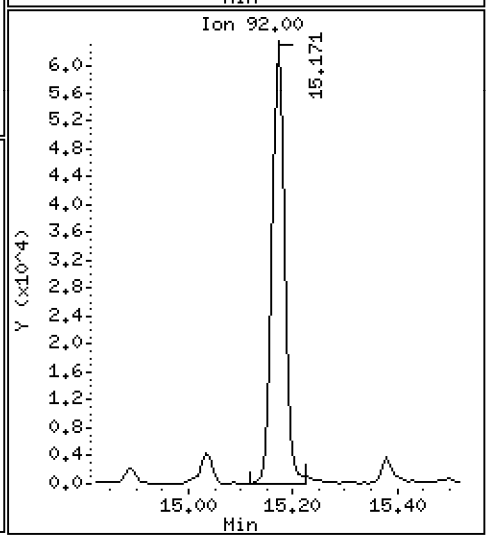












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

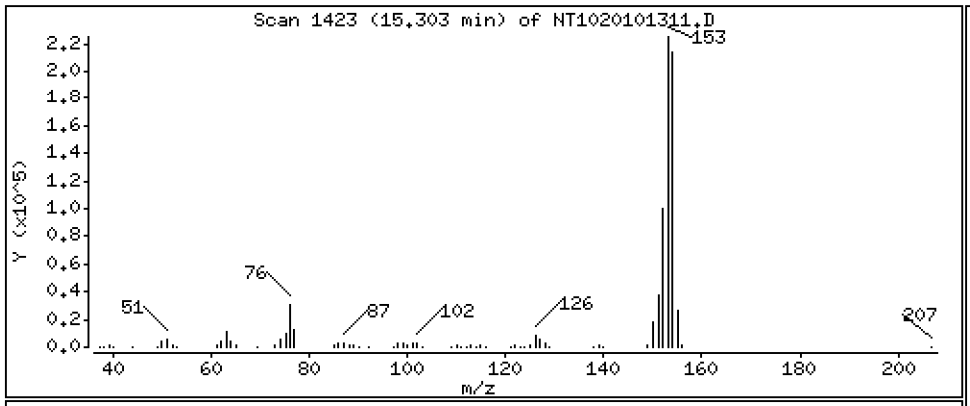
Operator: VTS

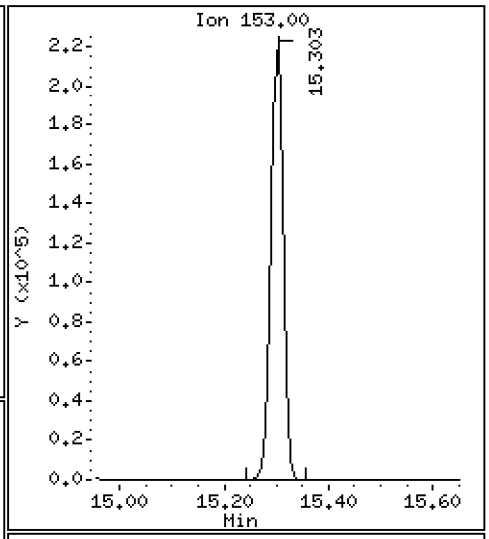
Column phase: ZB-5msi

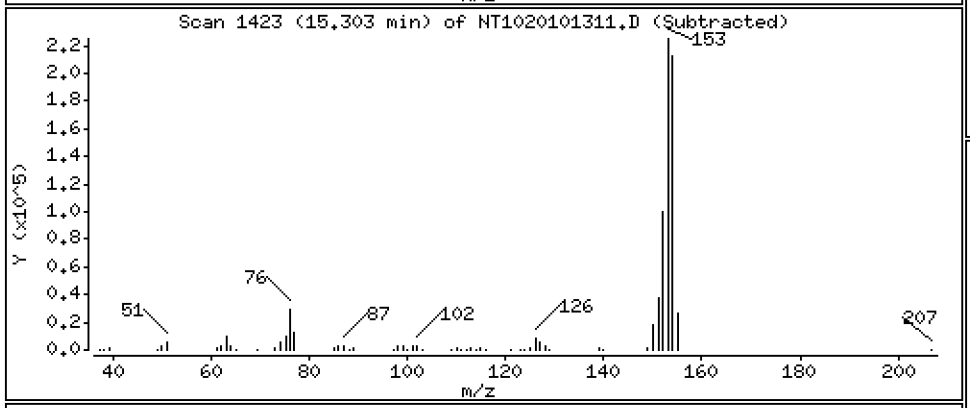
Column diameter: 0.25

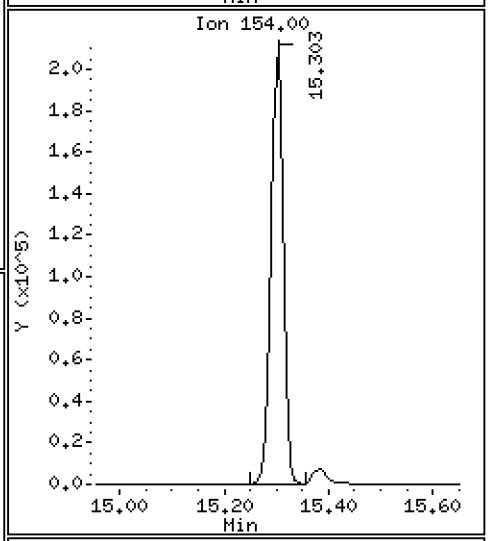
44 Acenaphthene

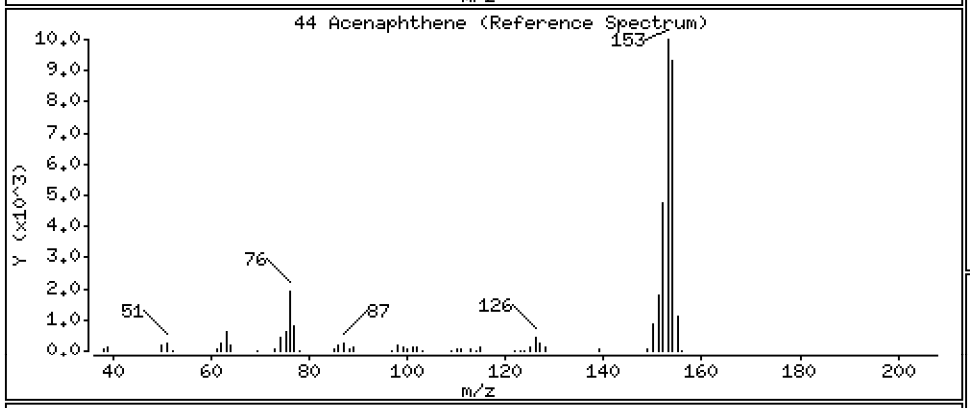
Concentration: 4.523 ug/mL

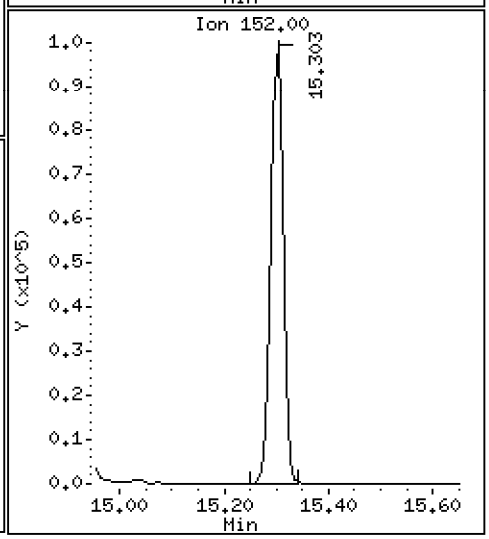


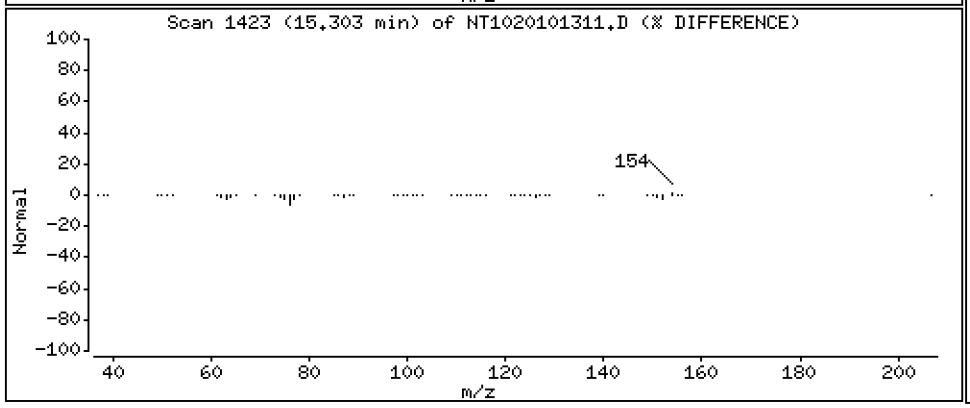












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

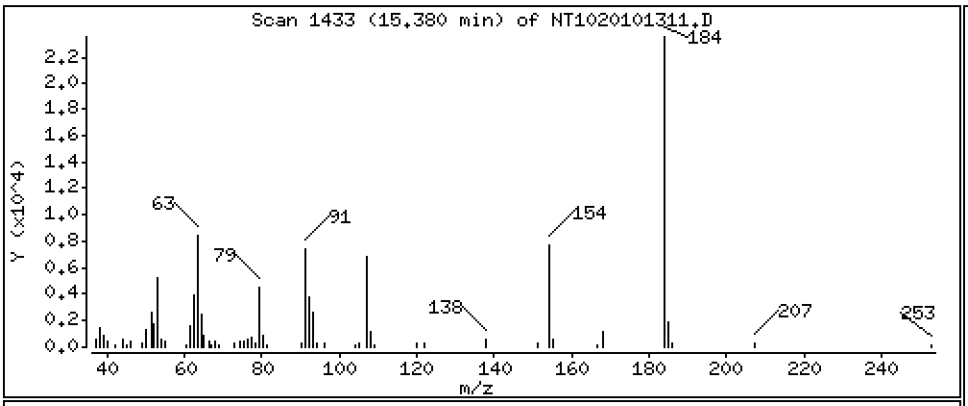
Operator: VTS

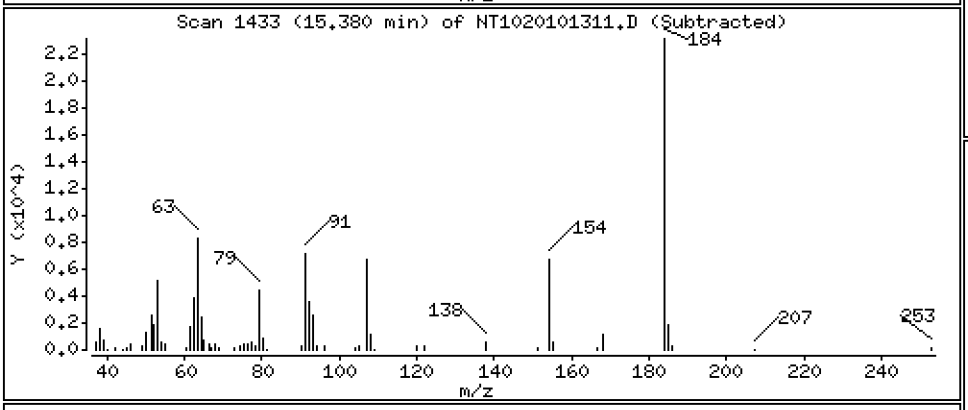
Column phase: ZB-5msi

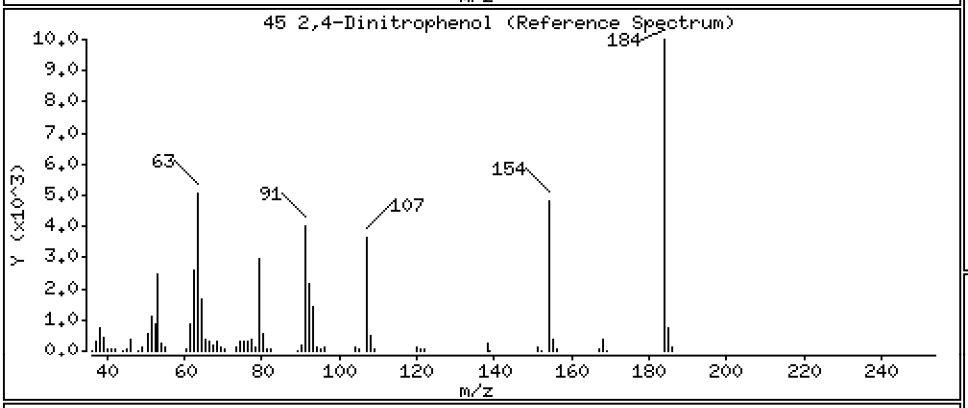
Column diameter: 0.25

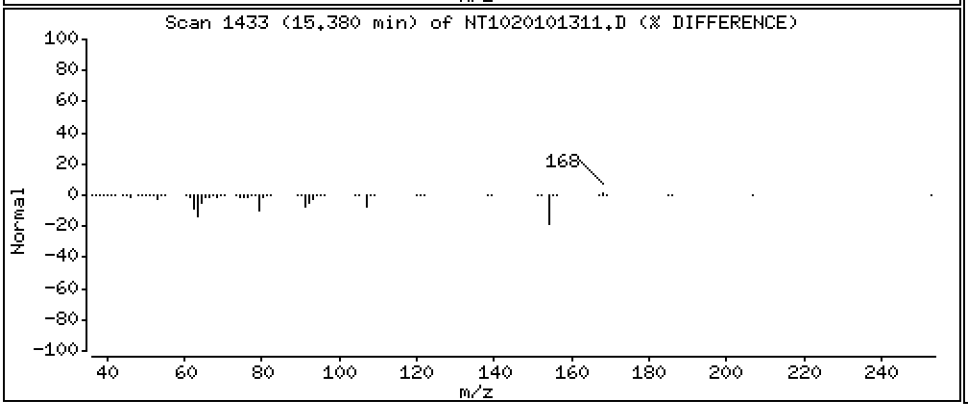
45 2,4-Dinitrophenol

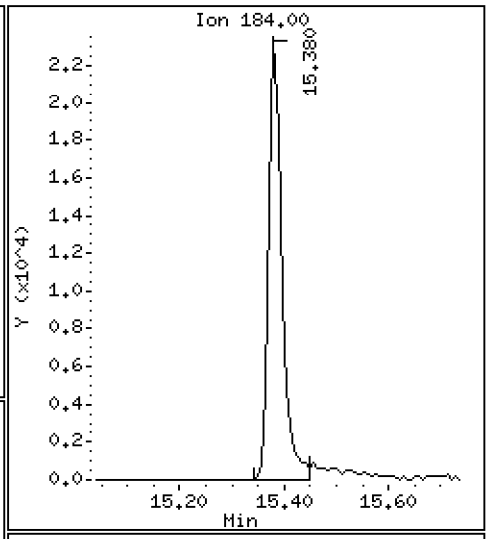
Concentration: 2.539 ug/mL

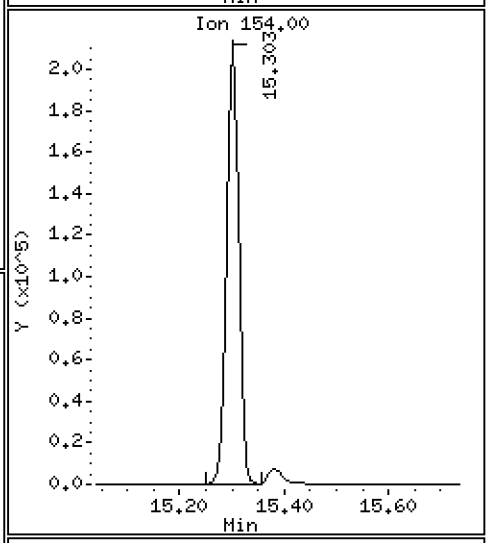


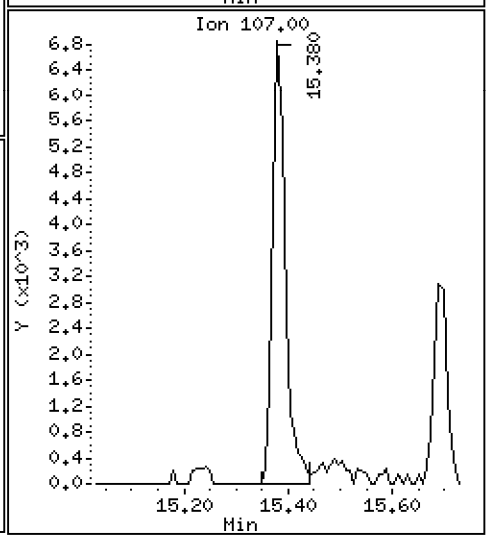












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

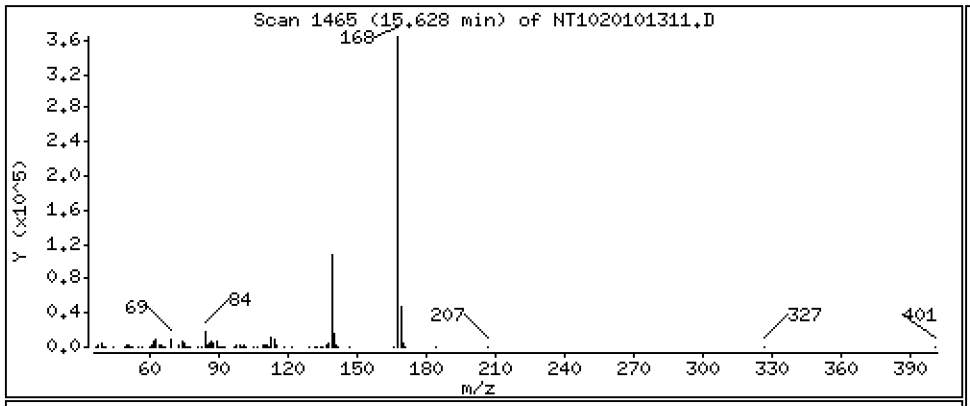
Operator: VTS

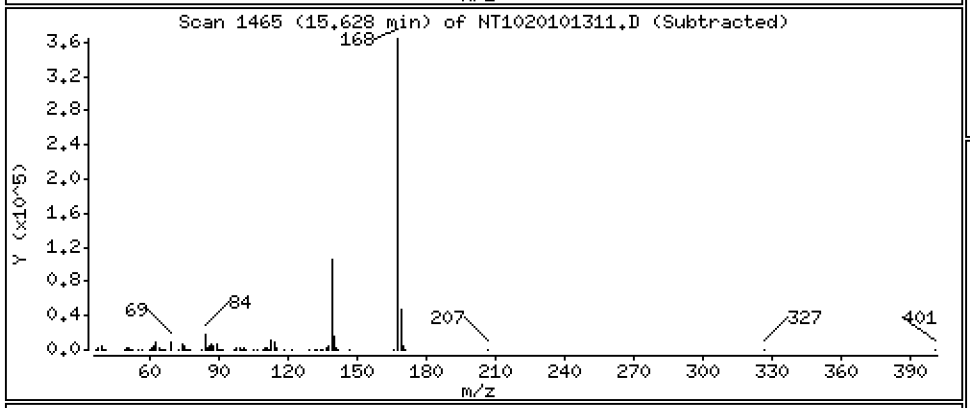
Column phase: ZB-5msi

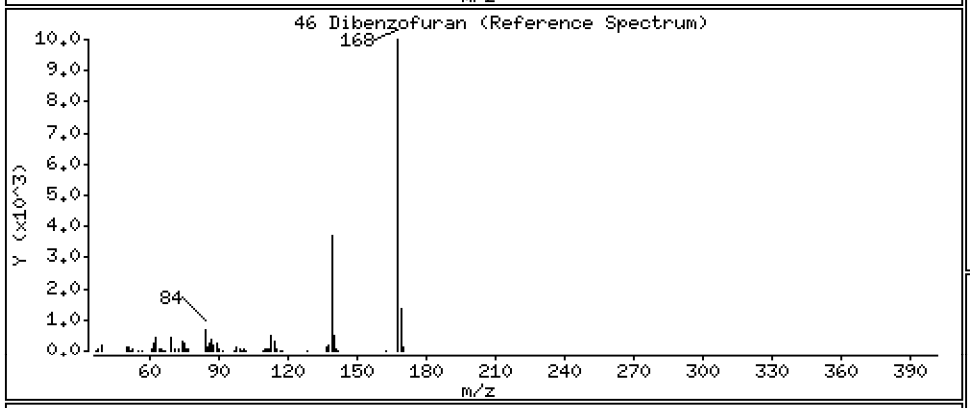
Column diameter: 0.25

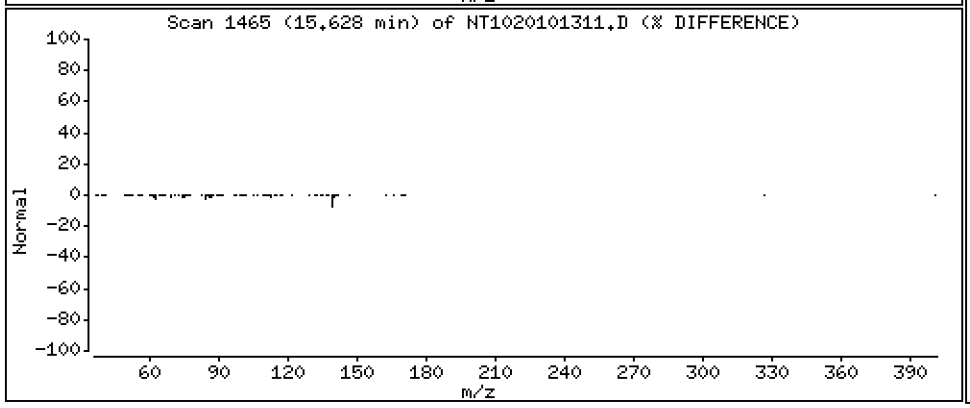
46 Dibenzofuran

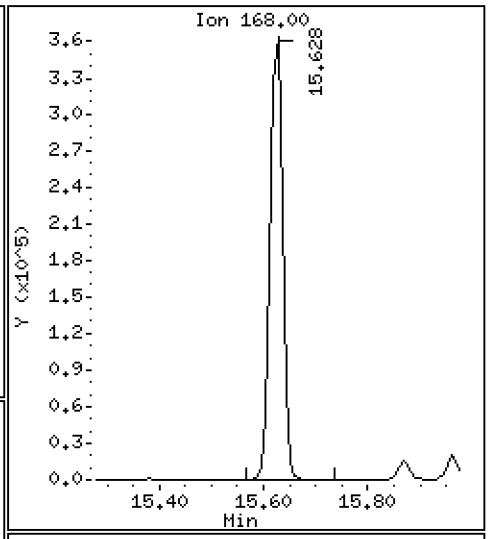
Concentration: 4.866 ug/mL

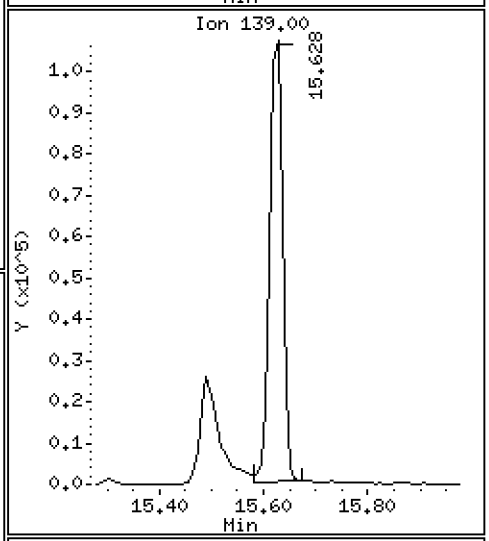


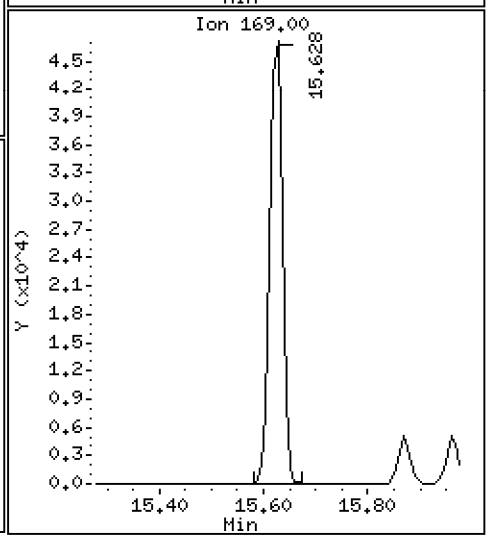












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

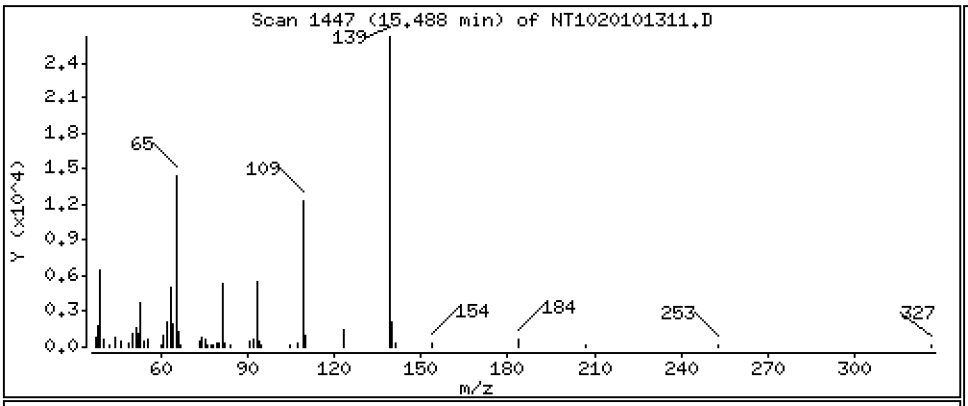
Operator: VTS

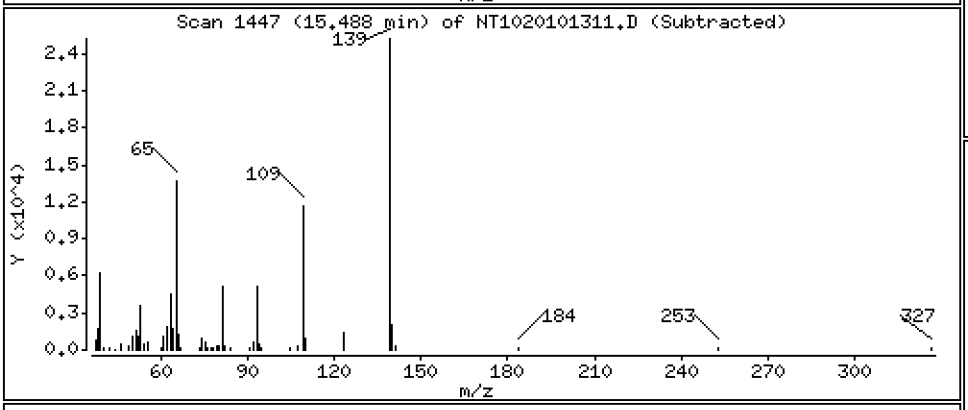
Column phase: ZB-5msi

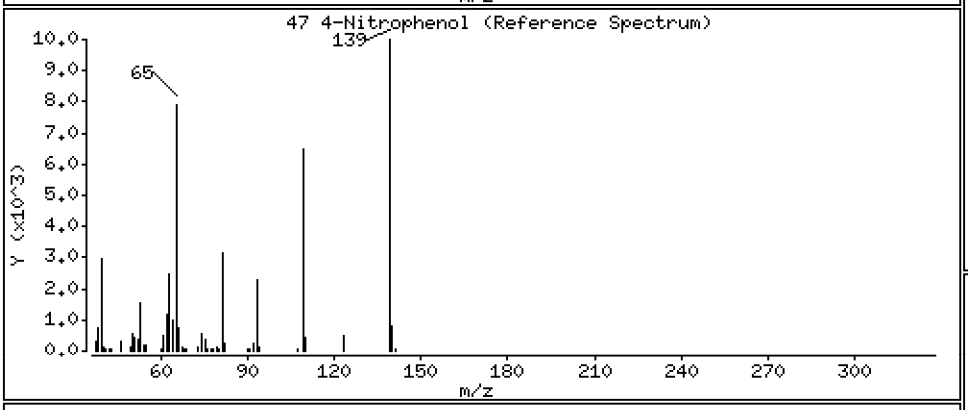
Column diameter: 0.25

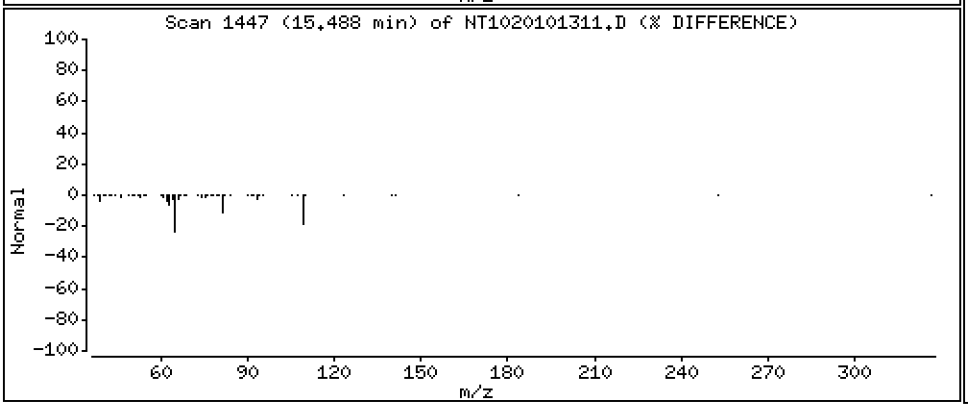
47 4-Nitrophenol

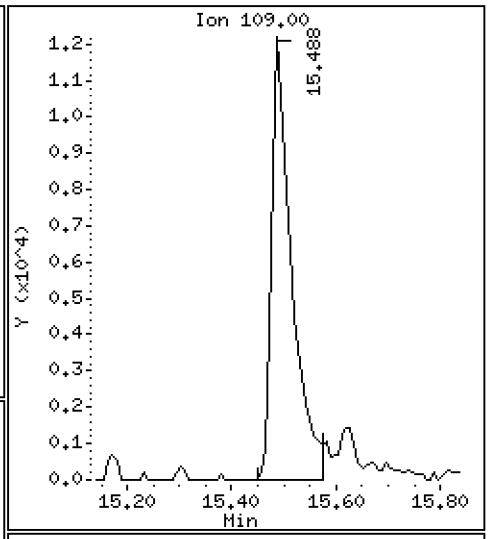
Concentration: 4.451 ug/mL

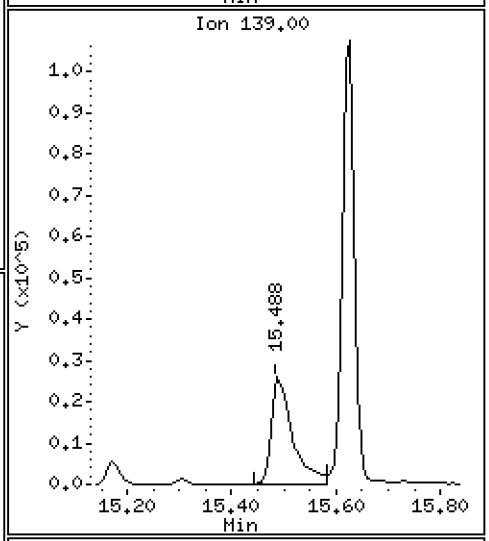


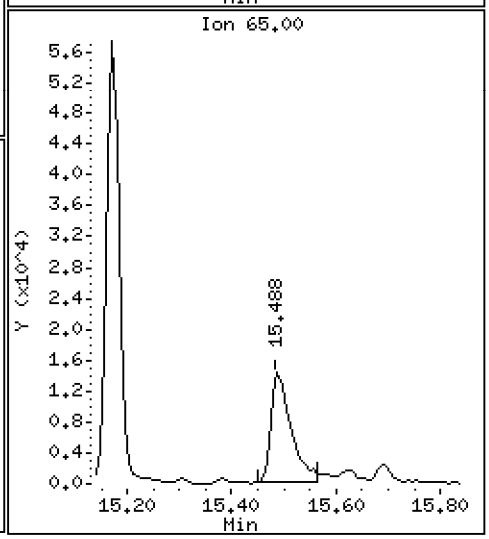












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

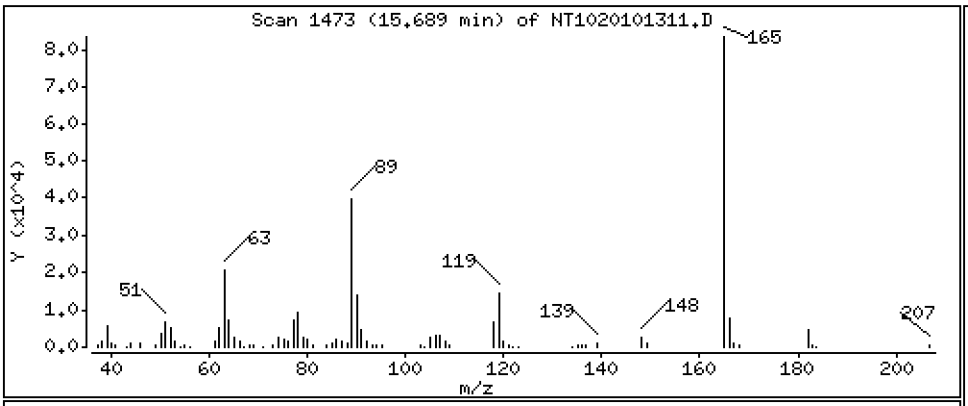
Operator: VTS

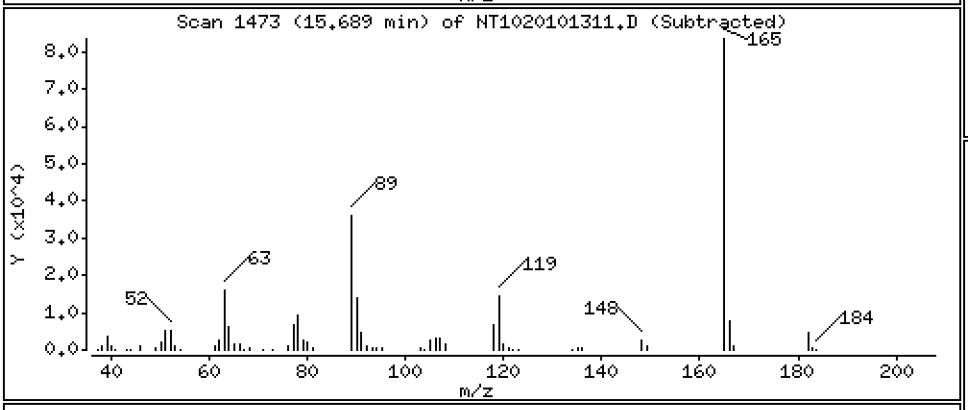
Column phase: ZB-5msi

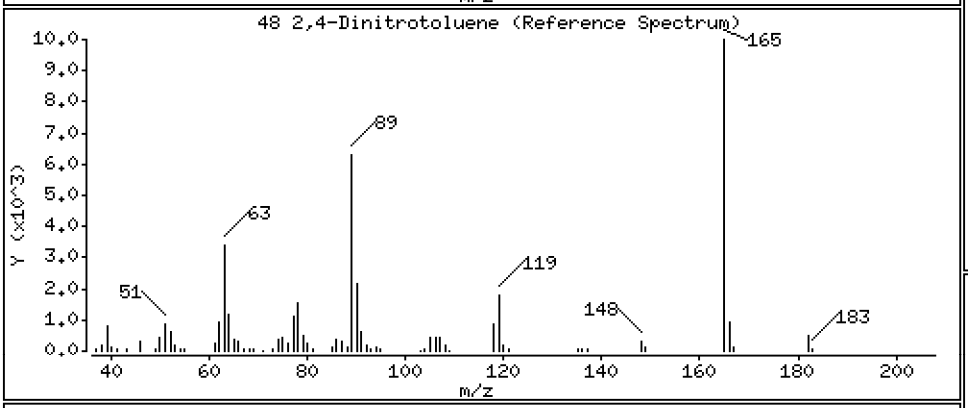
Column diameter: 0.25

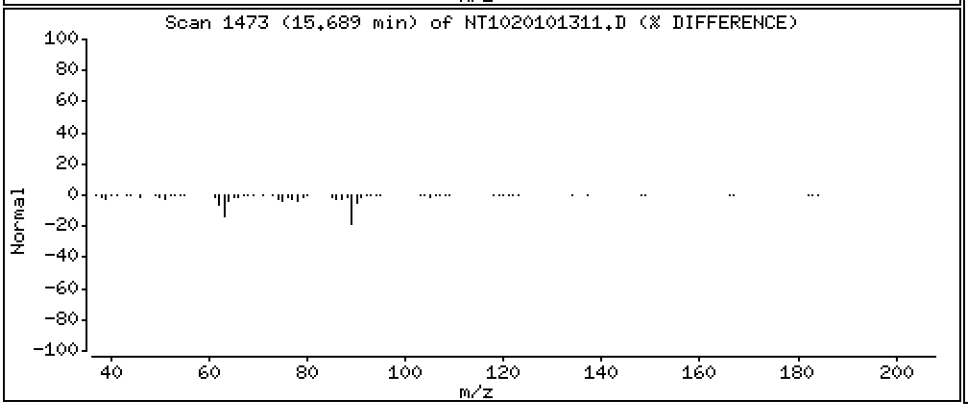
48 2,4-Dinitrotoluene

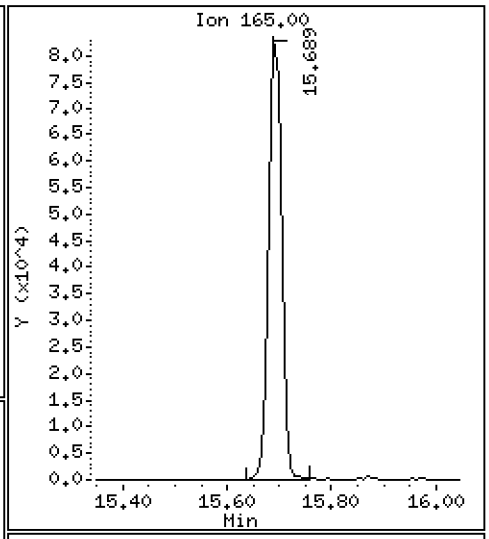
Concentration: 4.912 ug/mL

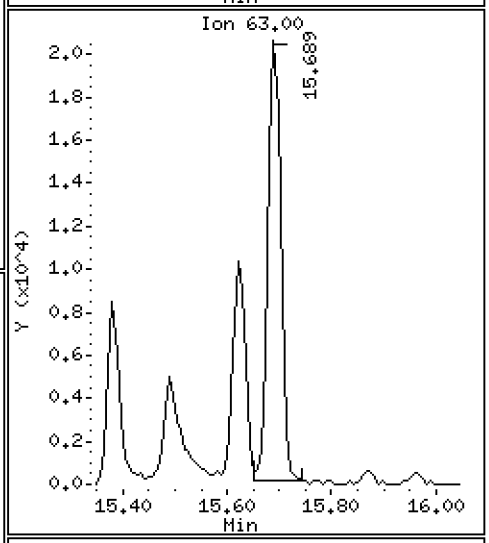


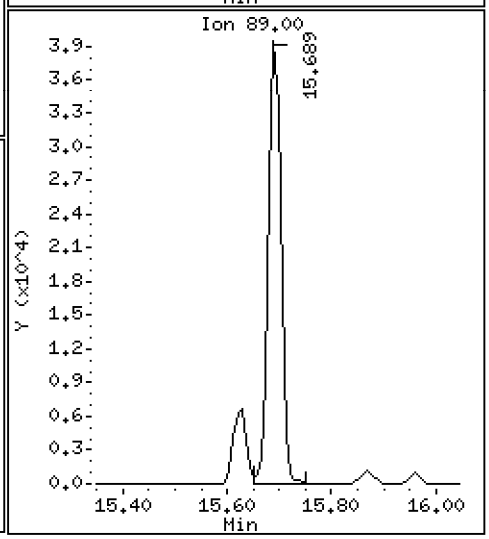












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

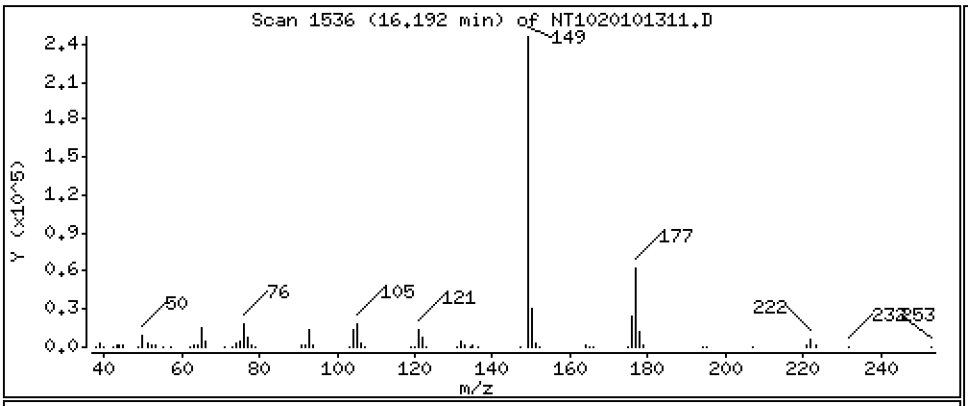
Operator: VTS

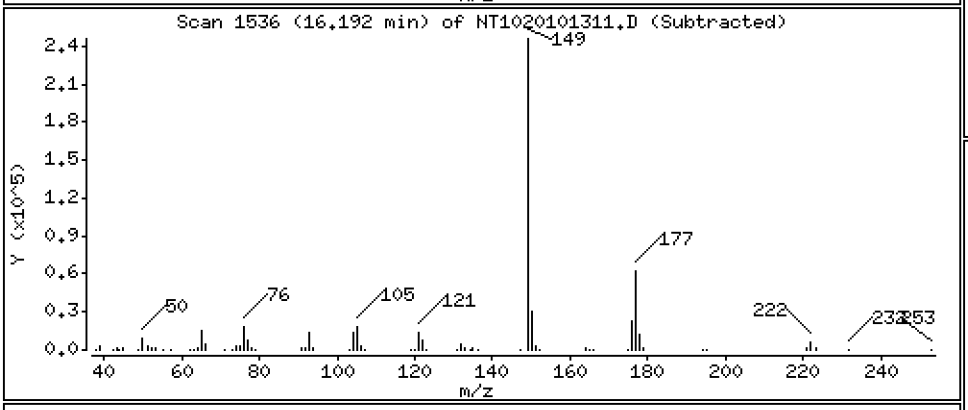
Column phase: ZB-5msi

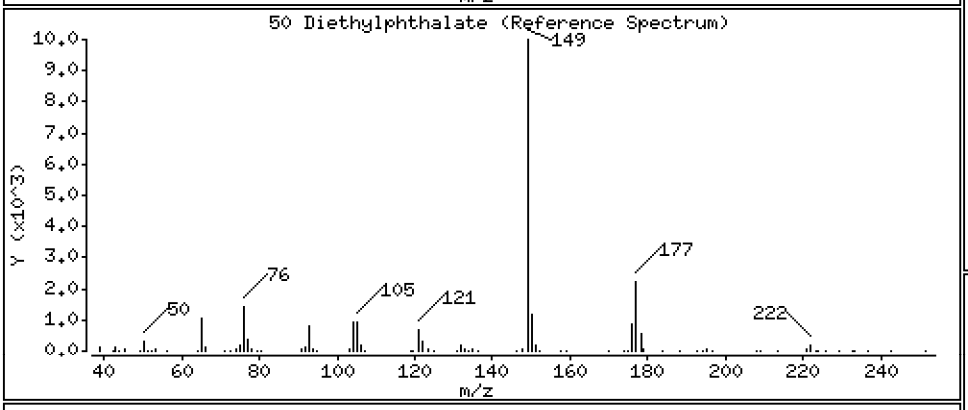
Column diameter: 0.25

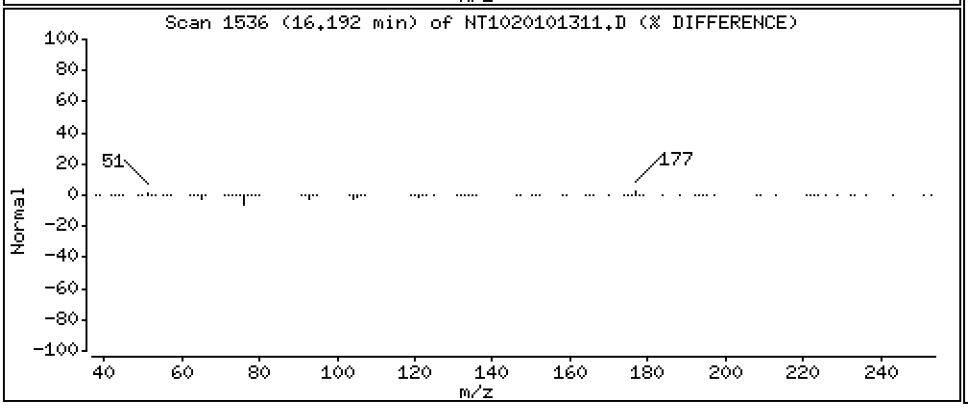
50 Diethylphthalate

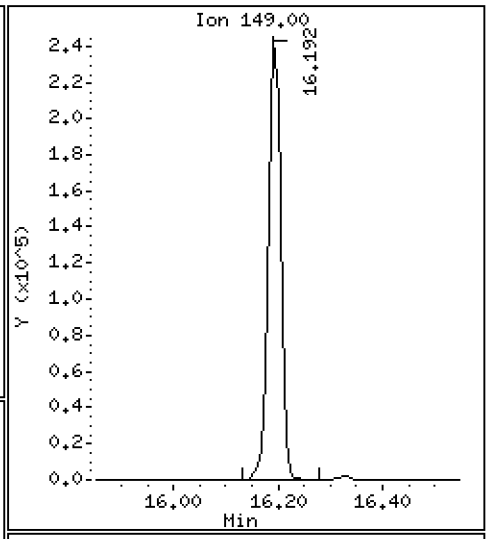
Concentration: 4.693 ug/mL

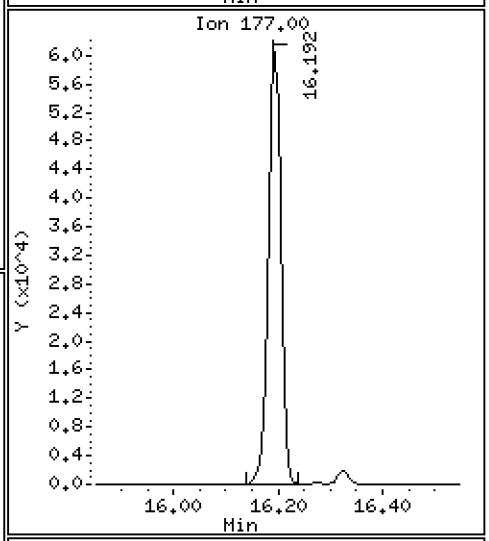


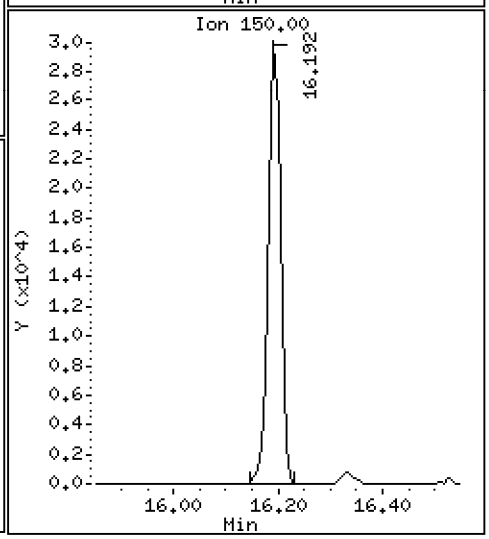












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

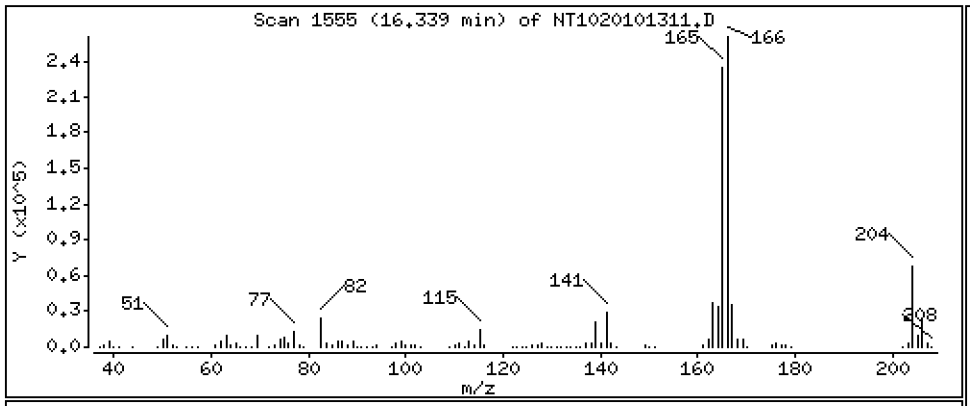
Client ID: Instrument: nt10.i

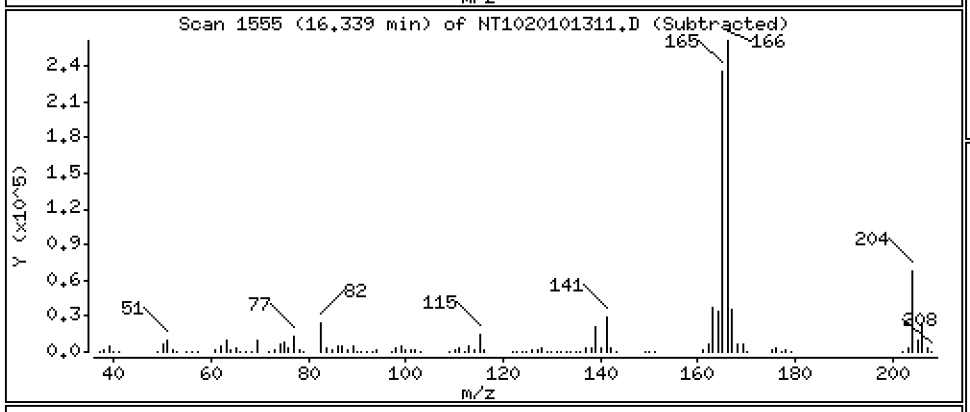
Sample Info: SIJ0179-SCV1

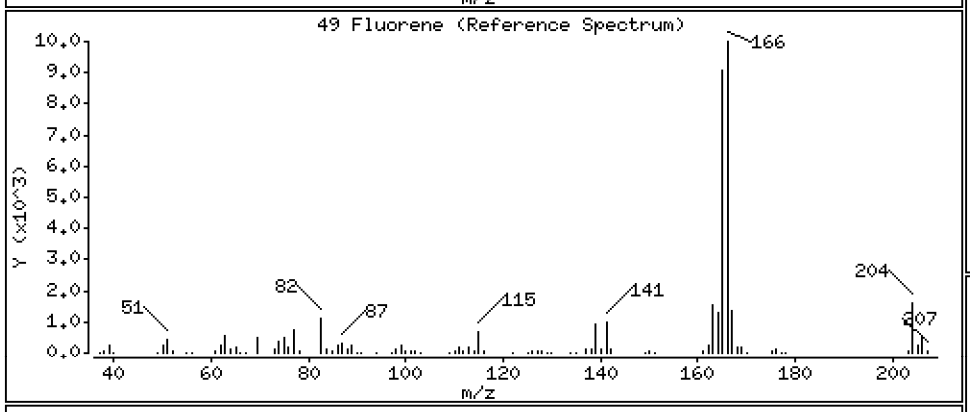
Operator: VTS

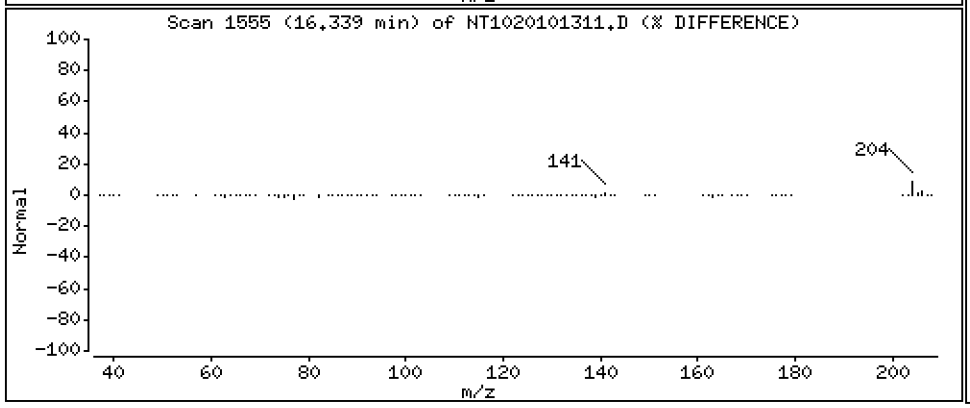
Column phase: ZB-5msi Column diameter: 0.25

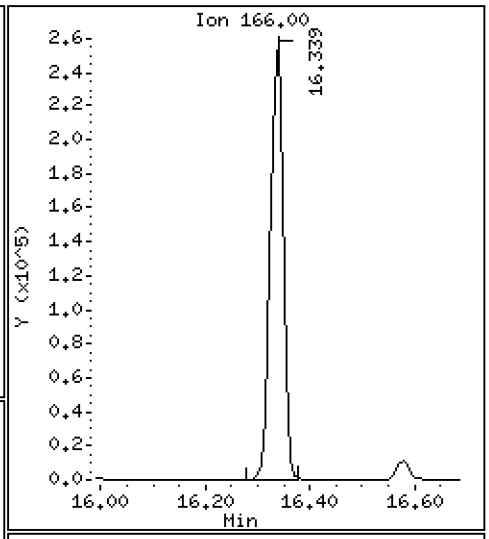
49 Fluorene Concentration: 4.390 ug/mL

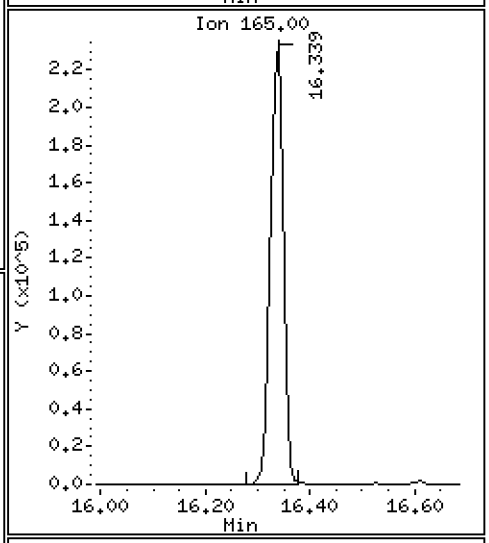


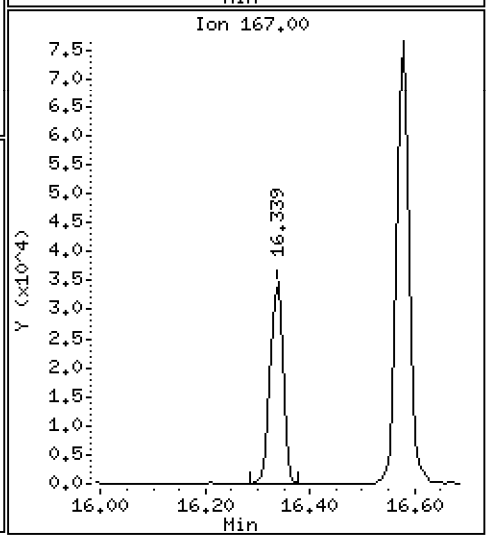












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

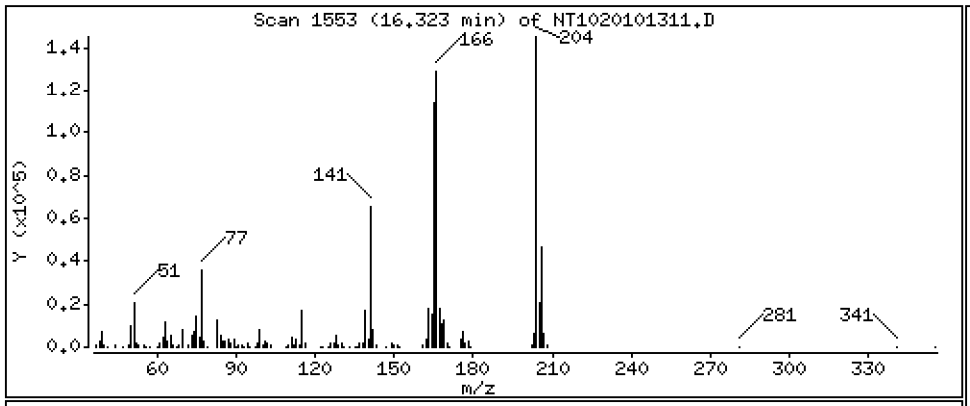
Operator: VTS

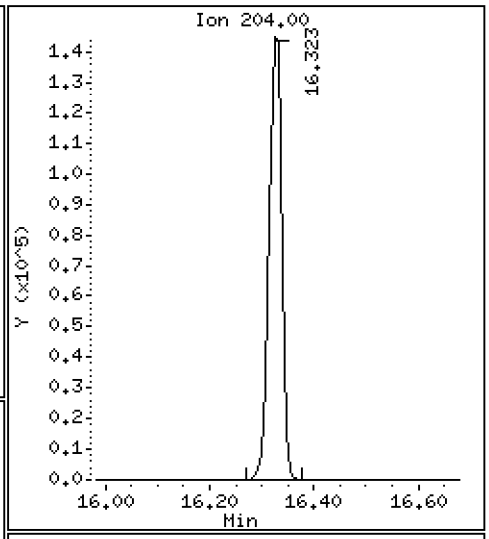
Column phase: ZB-5msi

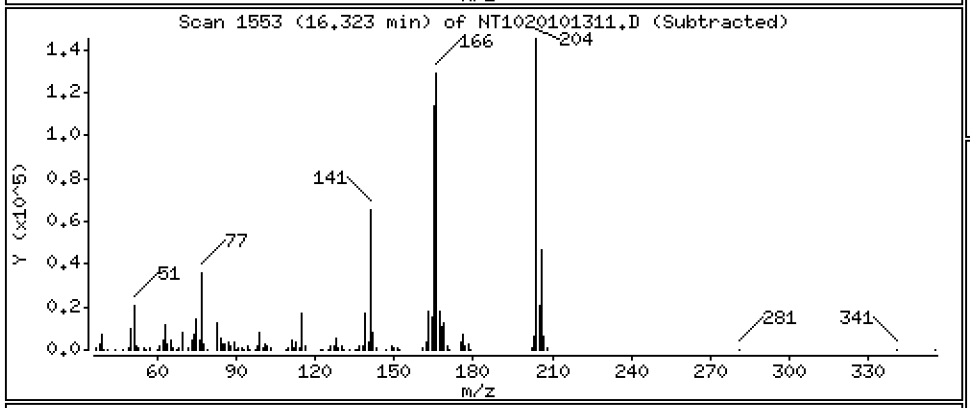
Column diameter: 0.25

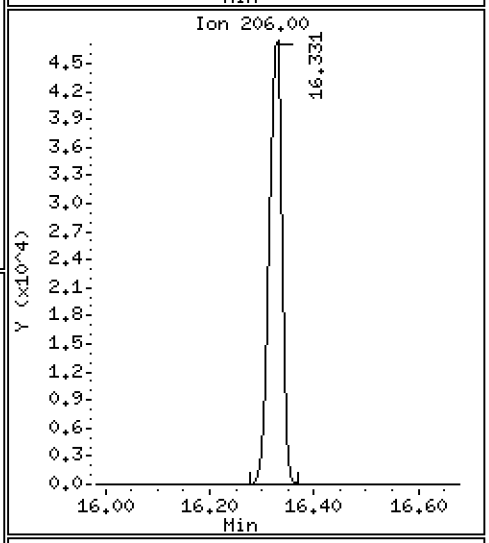
51 4-Chlorophenyl-phenylether

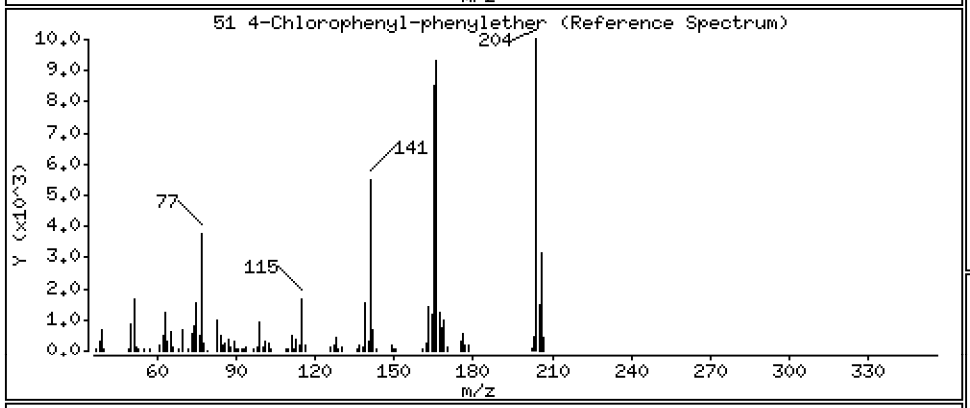
Concentration: 4.649 ug/mL

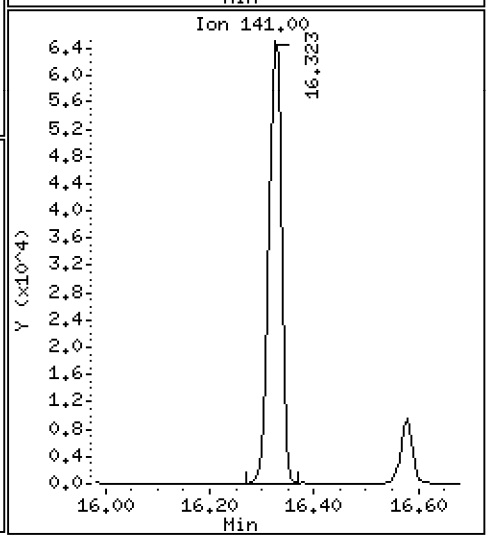


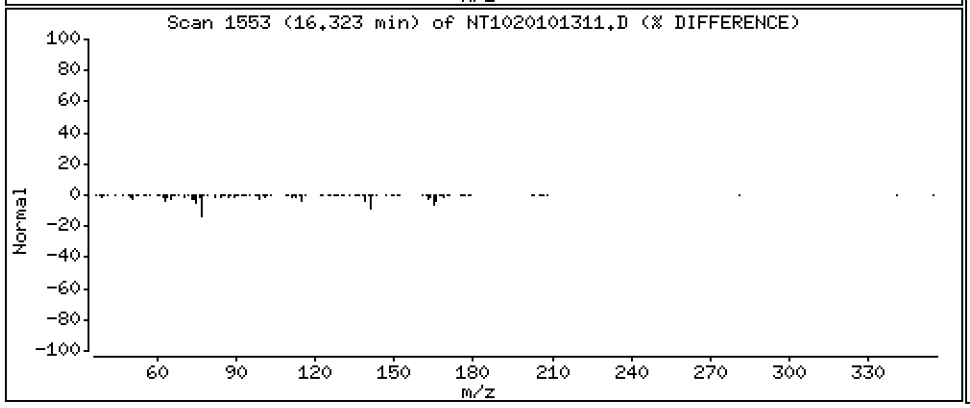












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

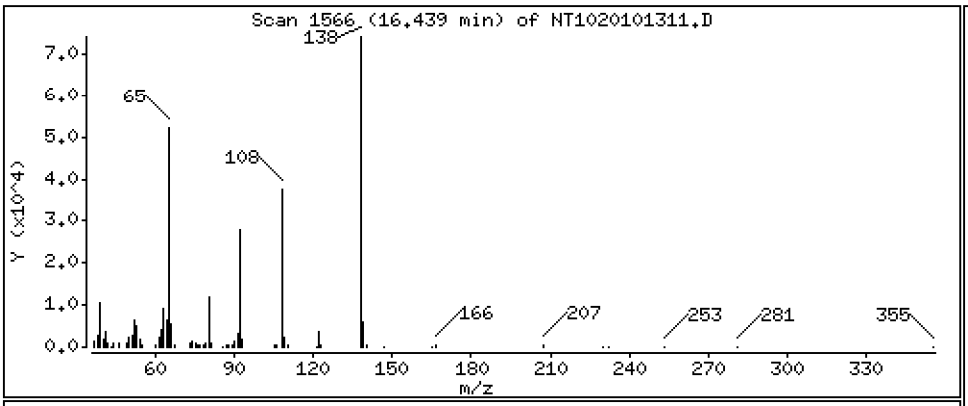
Operator: VTS

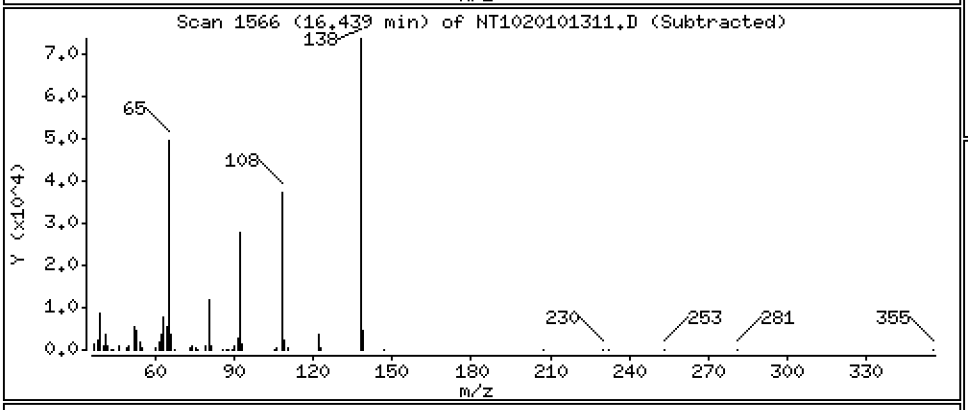
Column phase: ZB-5msi

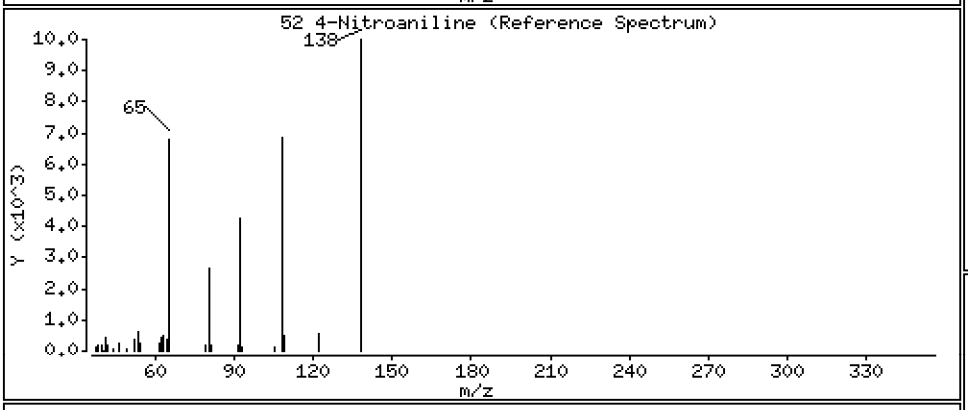
Column diameter: 0.25

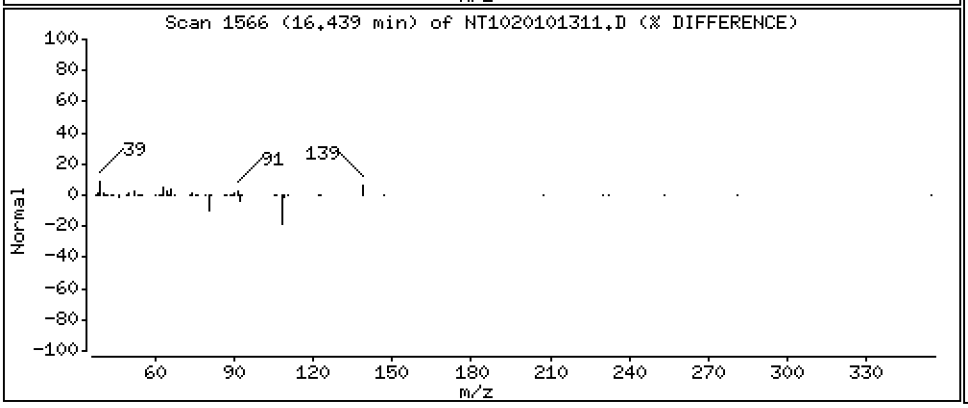
52 4-Nitroaniline

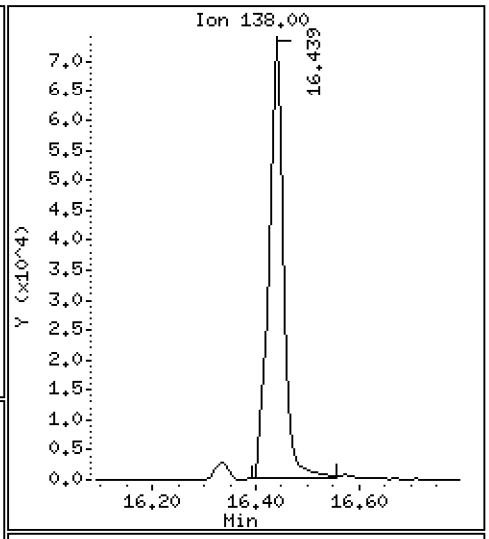
Concentration: 4.934 ug/mL

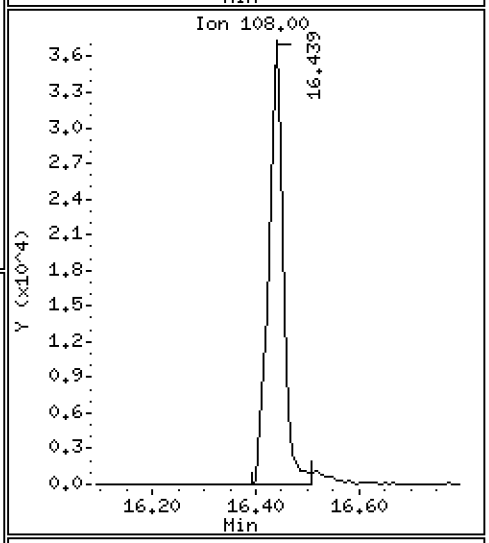


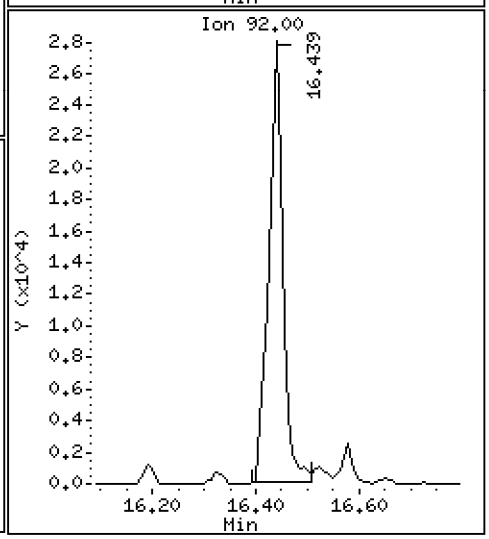












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

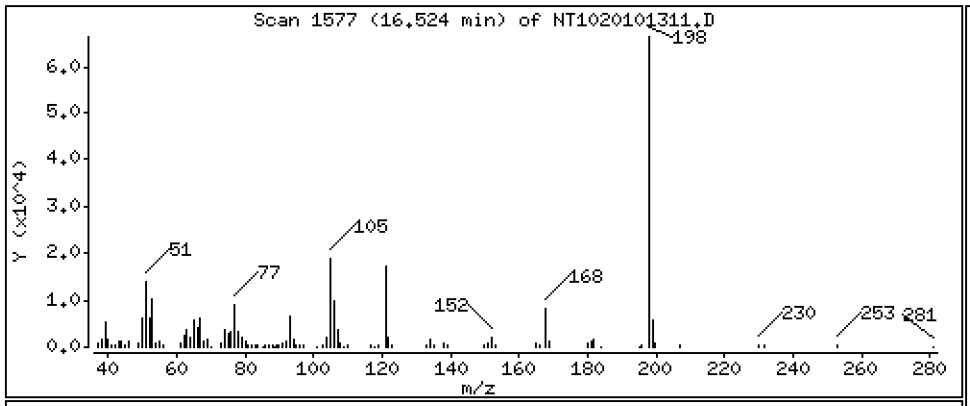
Operator: VTS

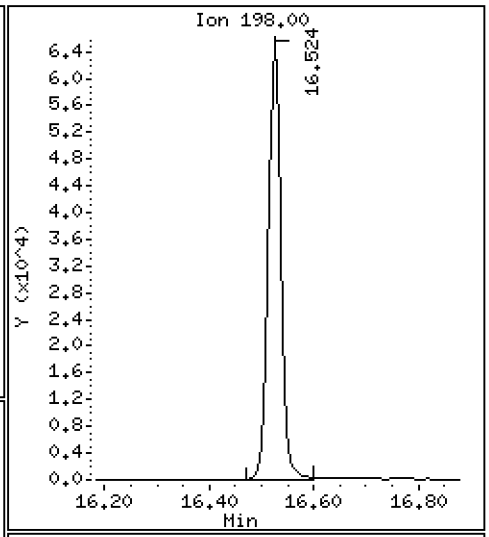
Column phase: ZB-5msi

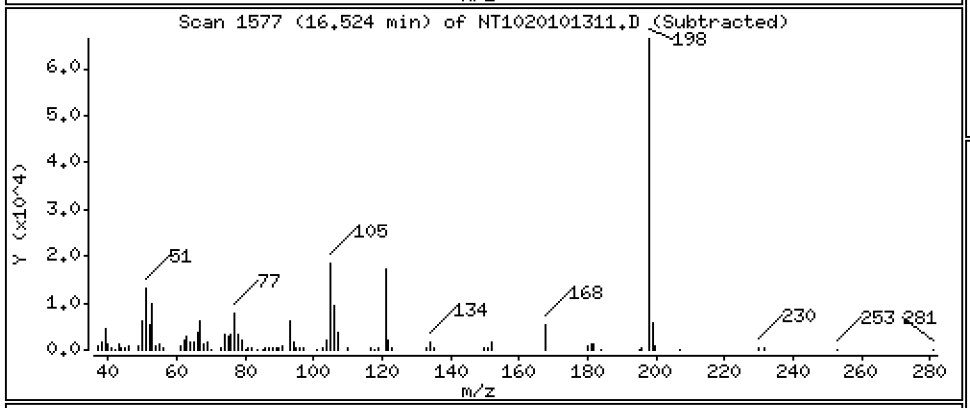
Column diameter: 0.25

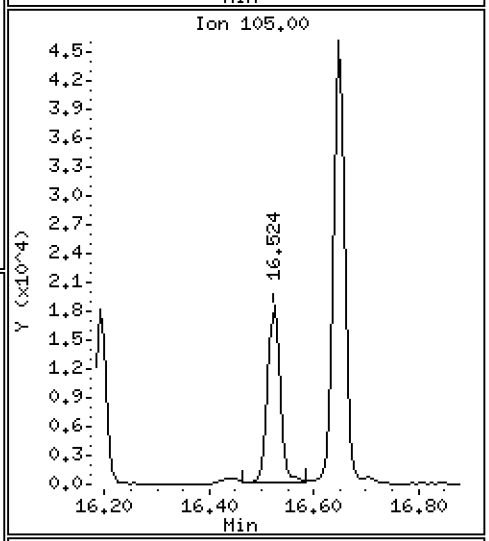
53 4,6-Dinitro-2-methylphenol

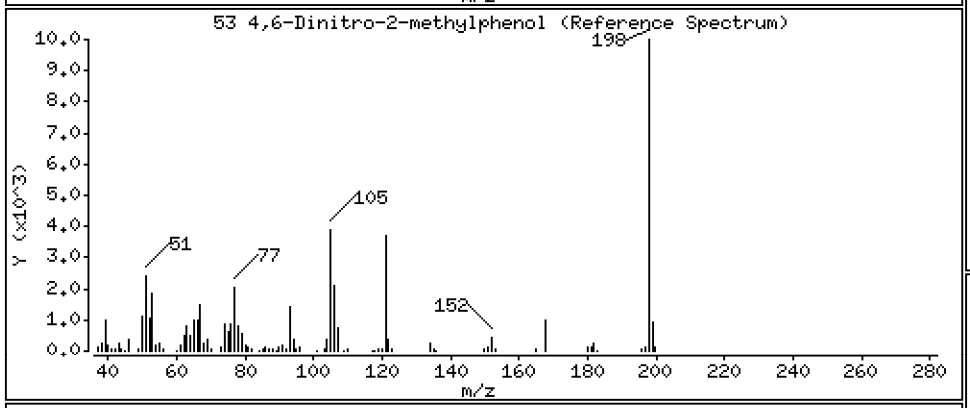
Concentration: 5.023 ug/mL

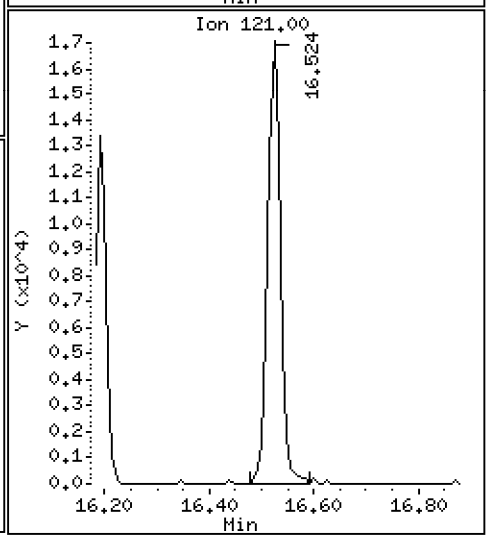


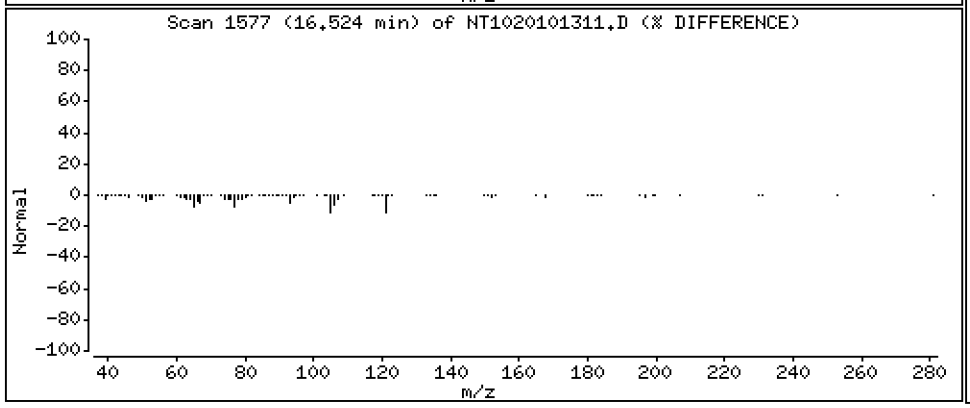












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

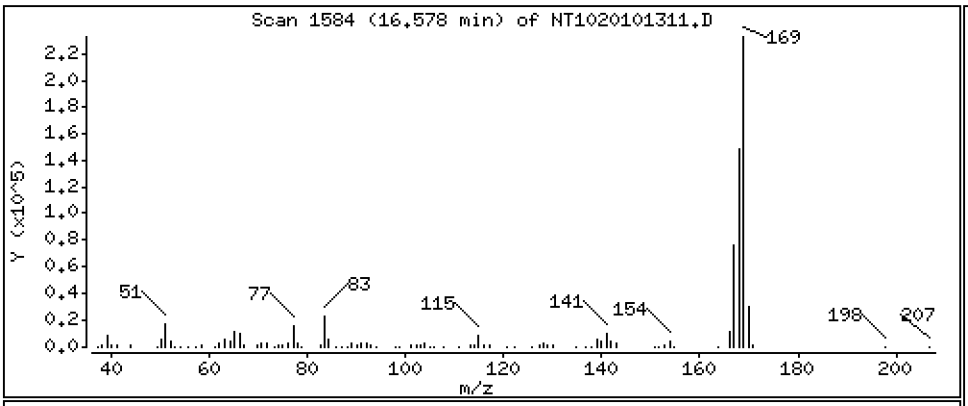
Operator: VTS

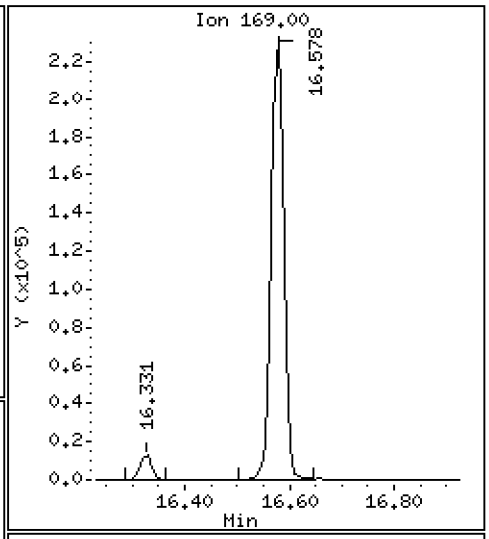
Column phase: ZB-5msi

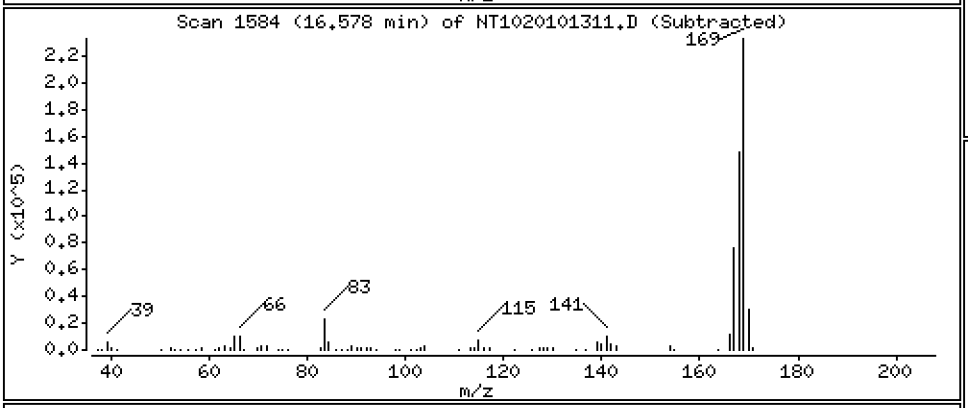
Column diameter: 0.25

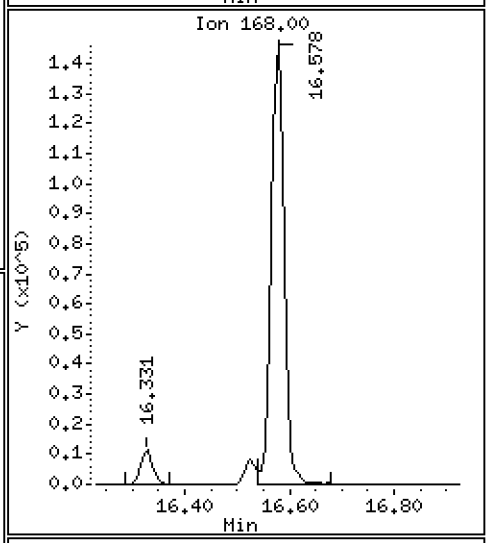
54 N-Nitrosodiphenylamine

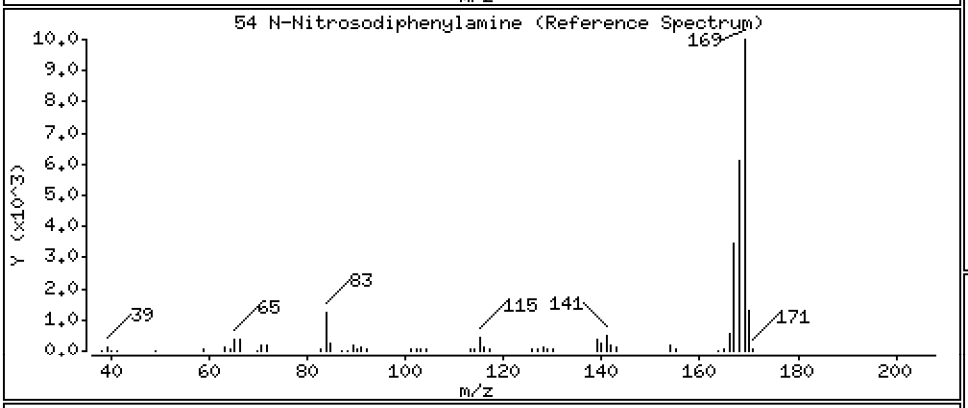
Concentration: 6.354 ug/mL

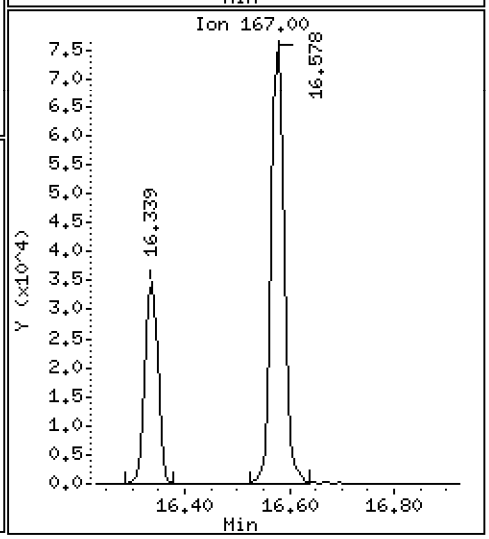


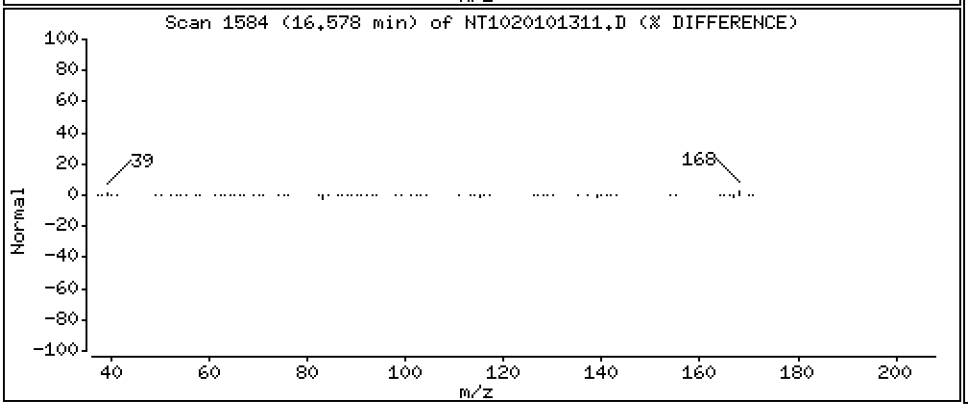












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

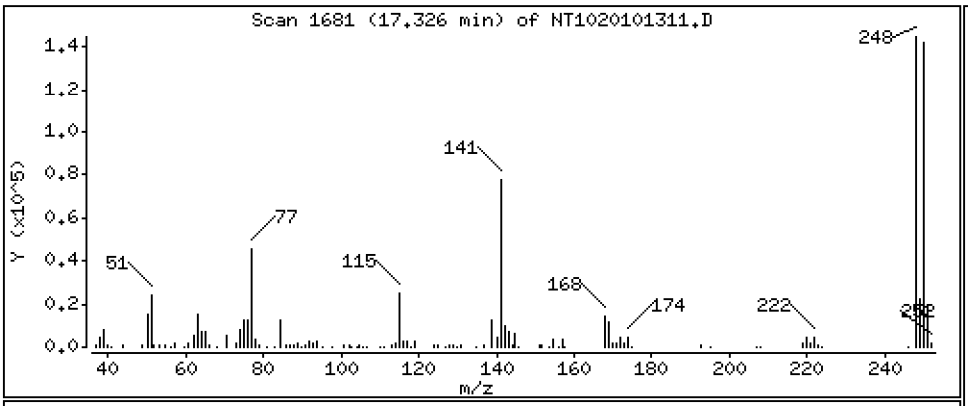
Operator: VTS

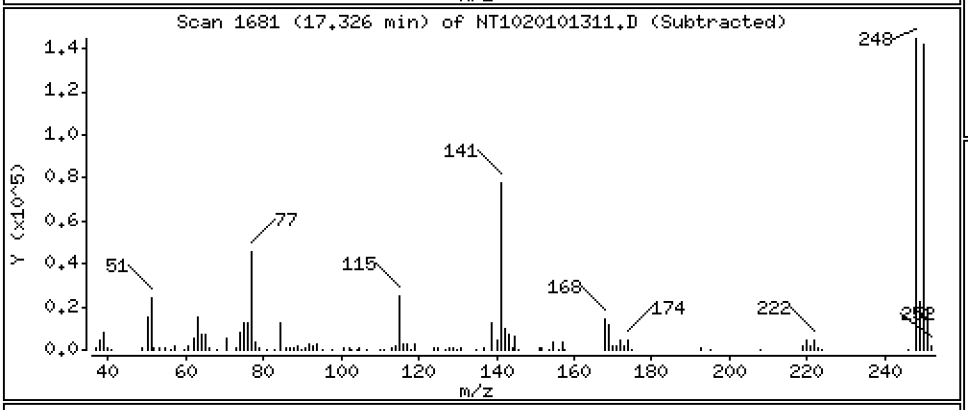
Column phase: ZB-5msi

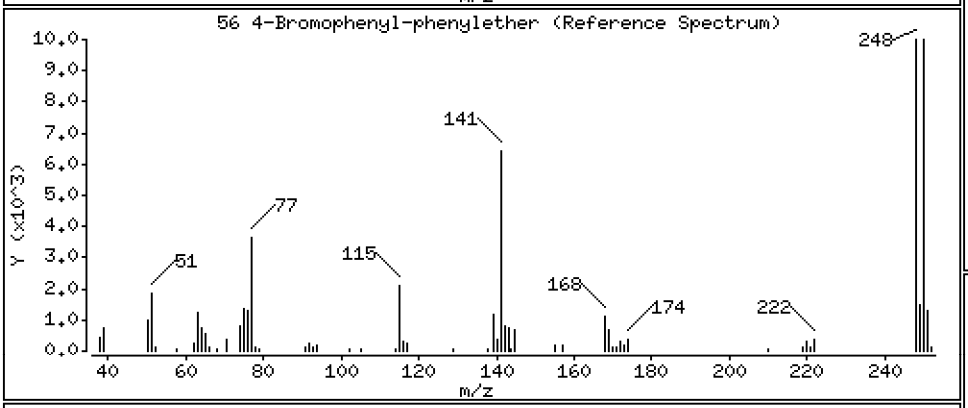
Column diameter: 0.25

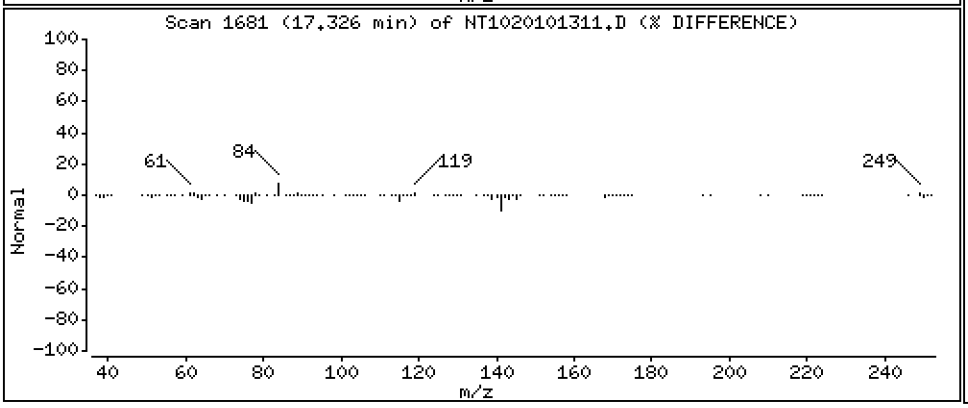
56 4-Bromophenyl-phenylether

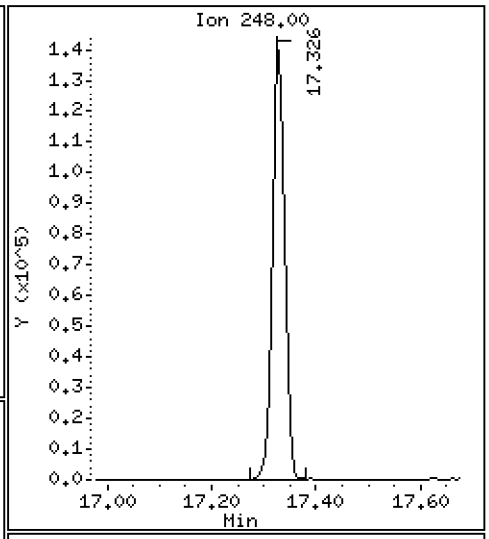
Concentration: 4.864 ug/mL

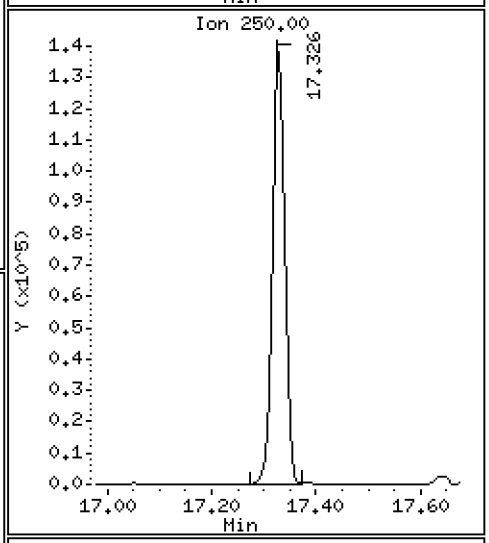


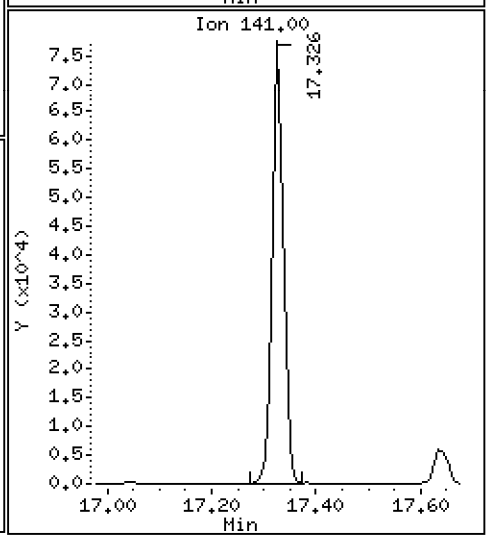












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

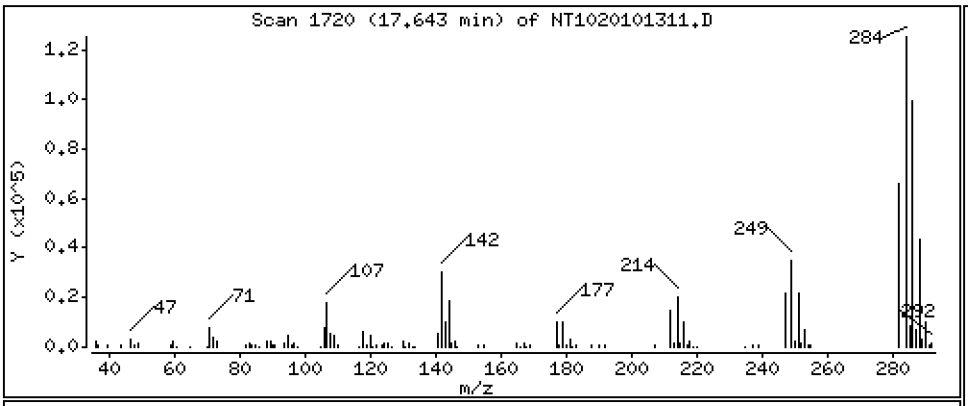
Operator: VTS

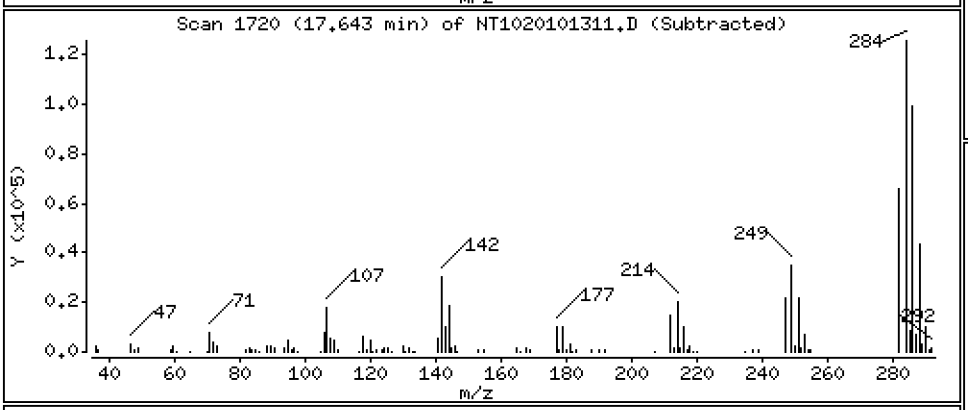
Column phase: ZB-5msi

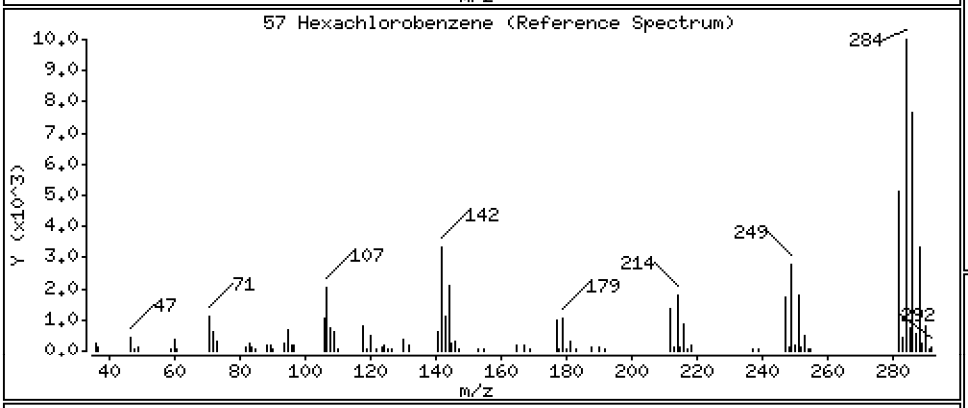
Column diameter: 0.25

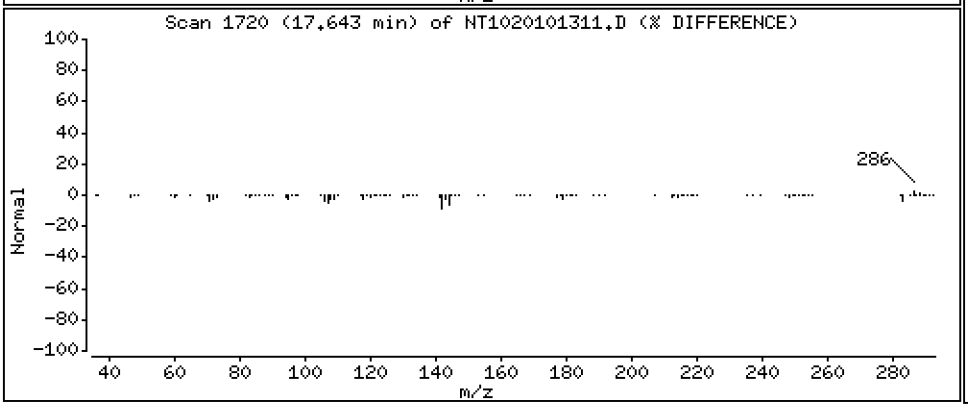
57 Hexachlorobenzene

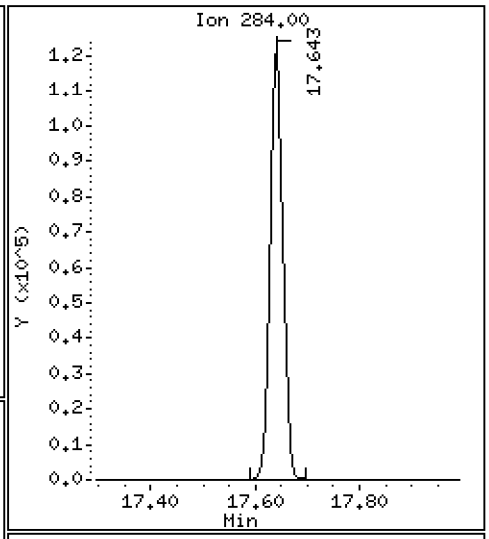
Concentration: 4.505 ug/mL

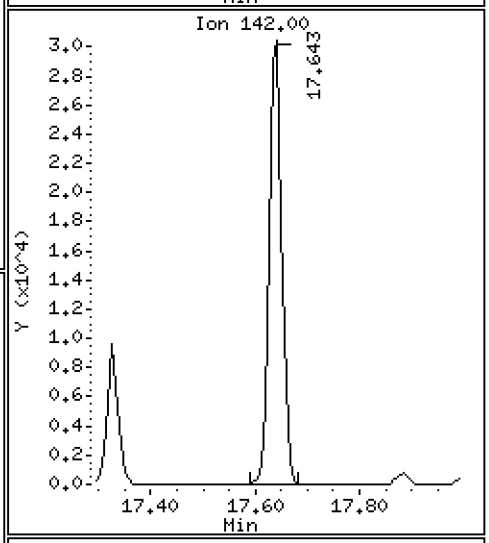


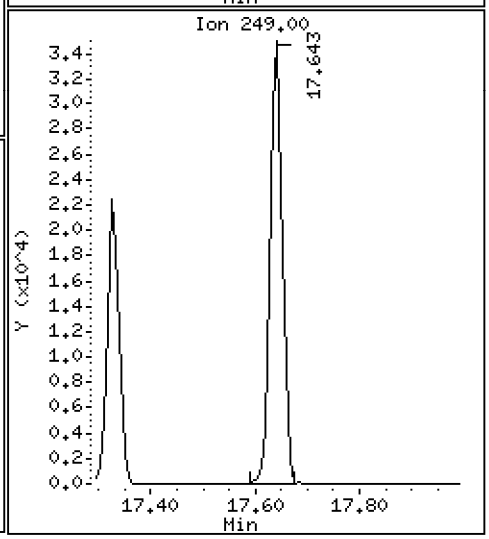












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

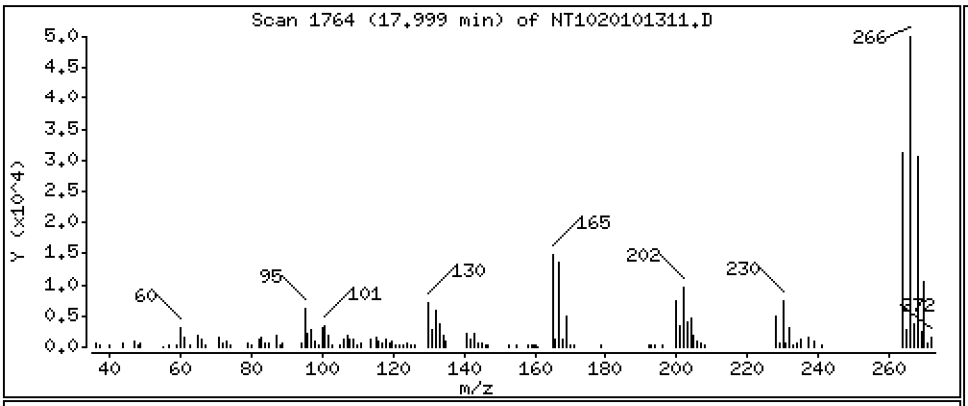
Operator: VTS

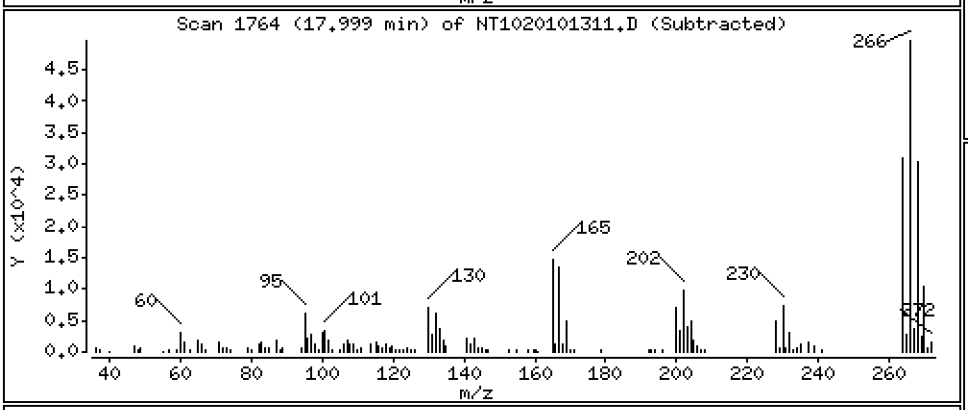
Column phase: ZB-5msi

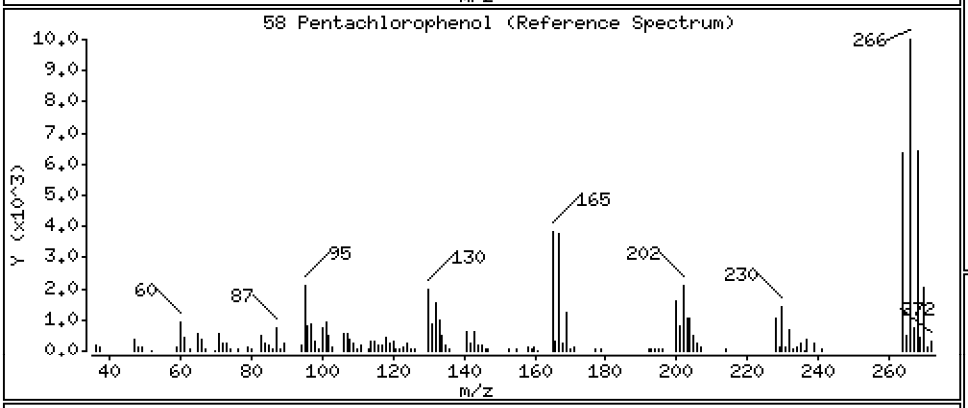
Column diameter: 0.25

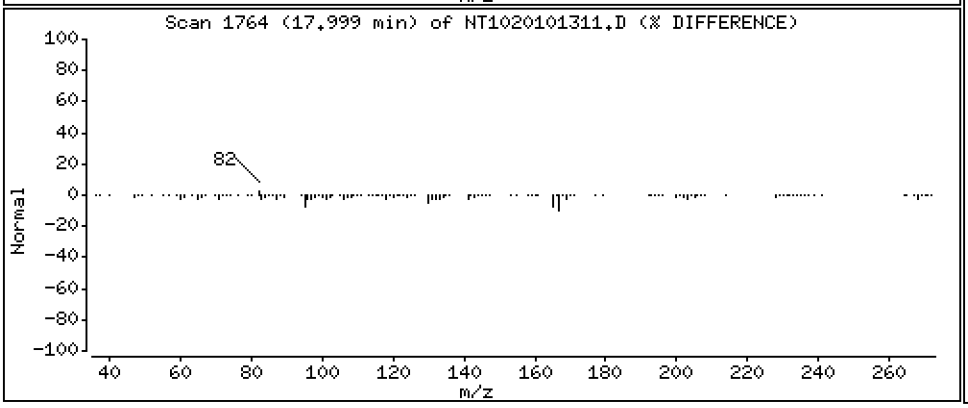
58 Pentachlorophenol

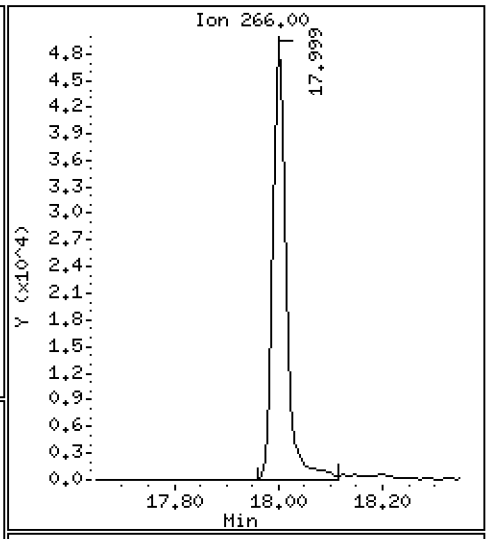
Concentration: 4.289 ug/mL

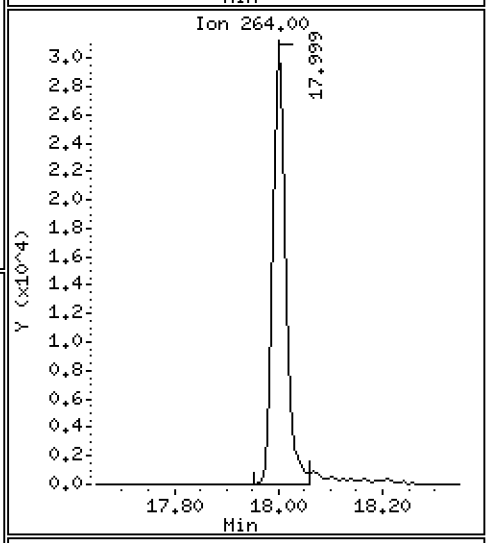


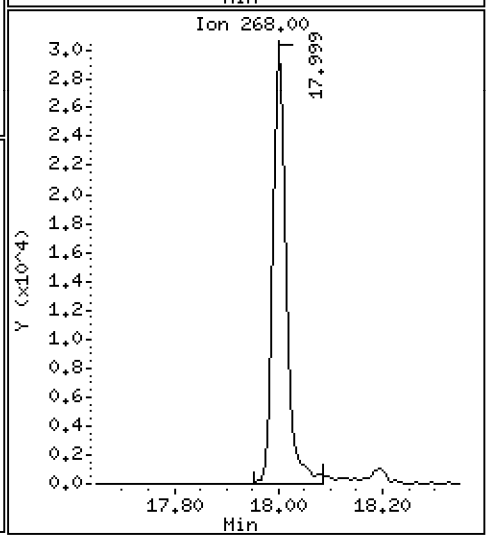












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

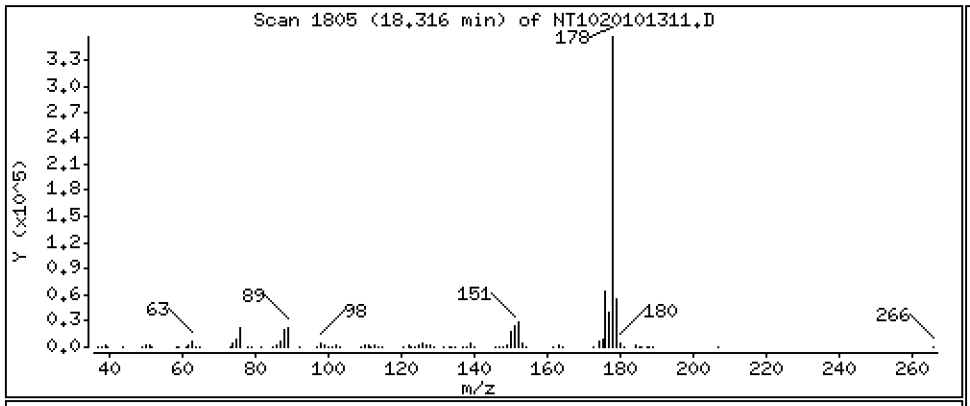
Client ID: Instrument: nt10.i

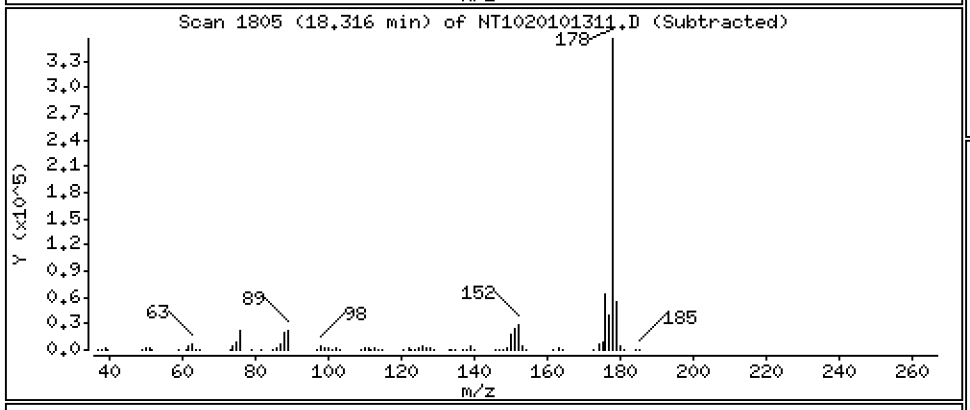
Sample Info: SIJ0179-SCV1

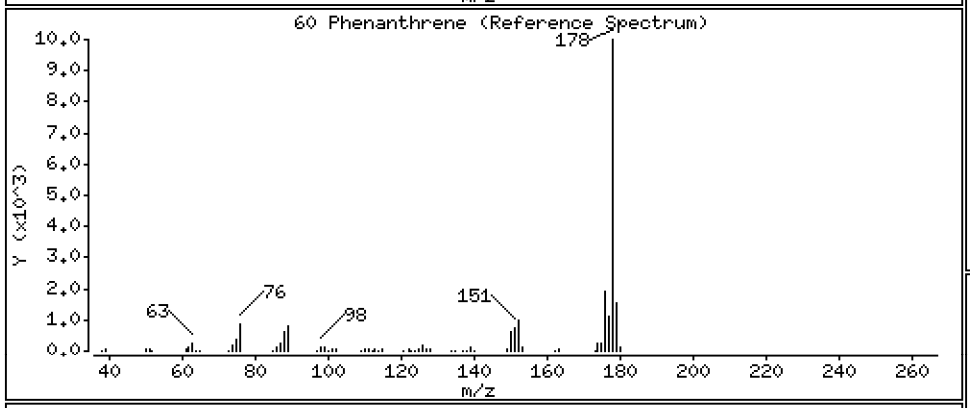
Operator: VTS

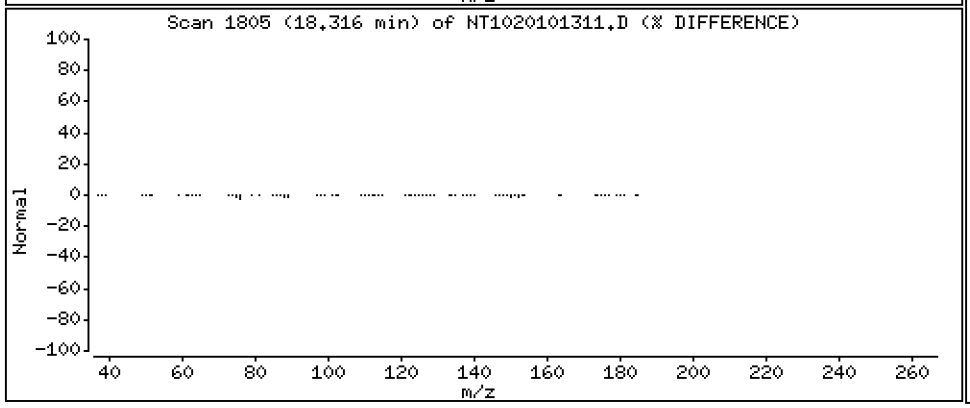
Column phase: ZB-5msi Column diameter: 0.25

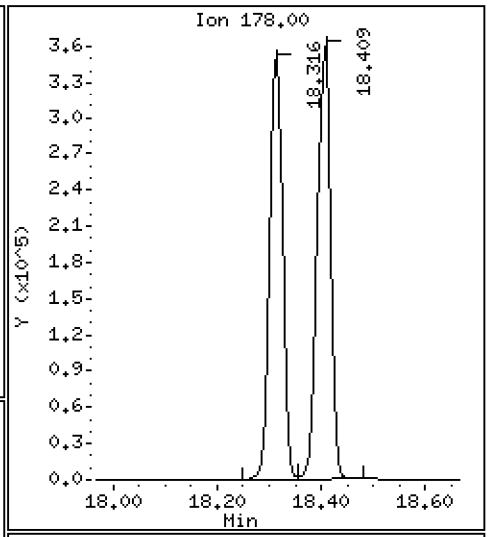
60 Phenanthrene Concentration: 4.927 ug/mL

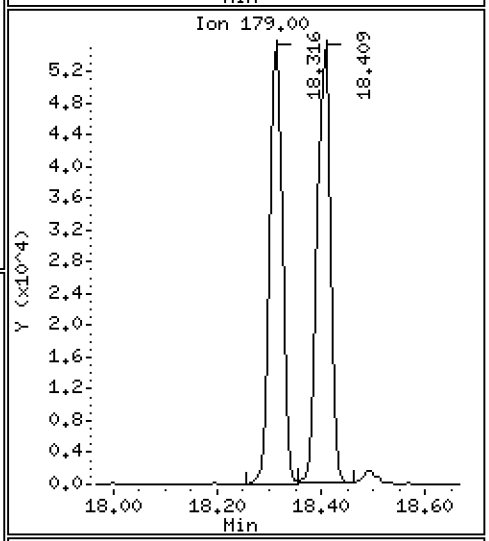


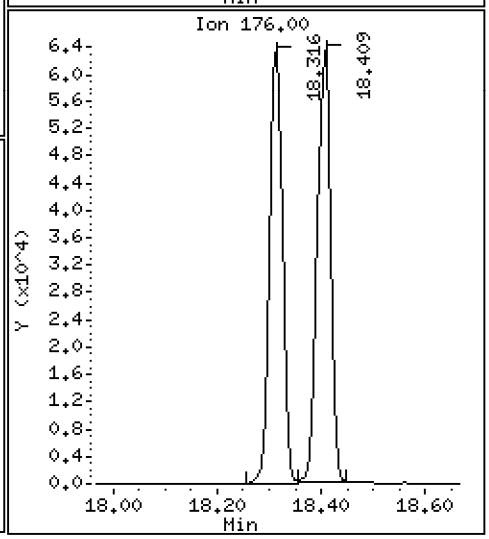












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

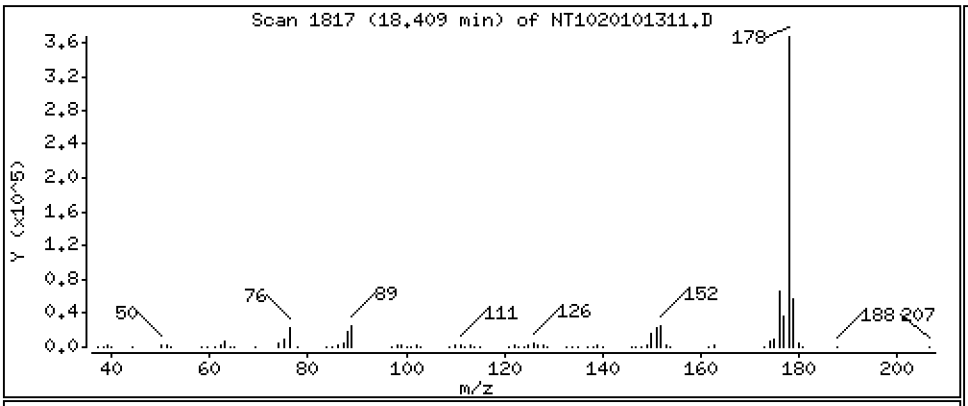
Operator: VTS

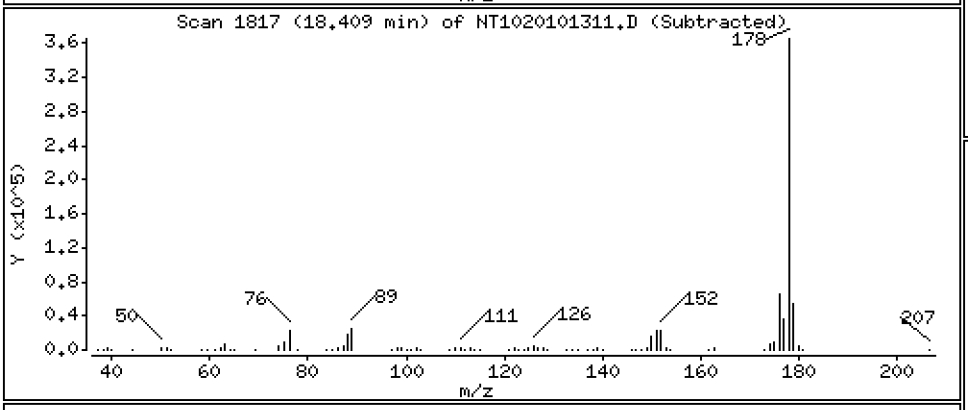
Column phase: ZB-5msi

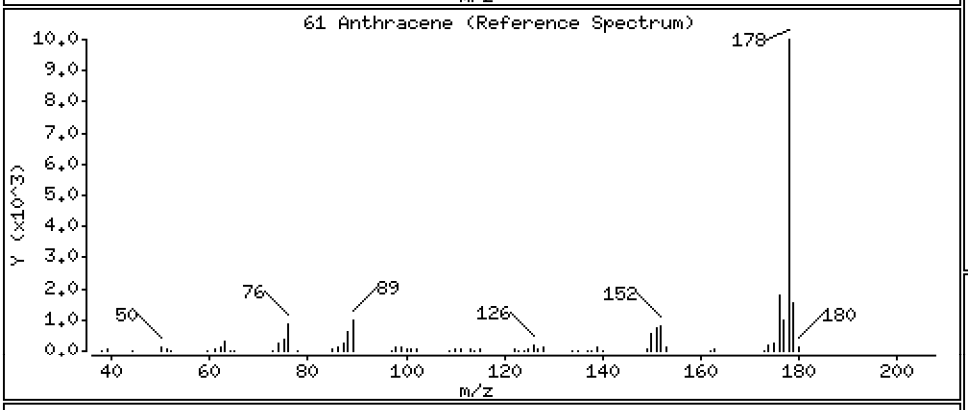
Column diameter: 0.25

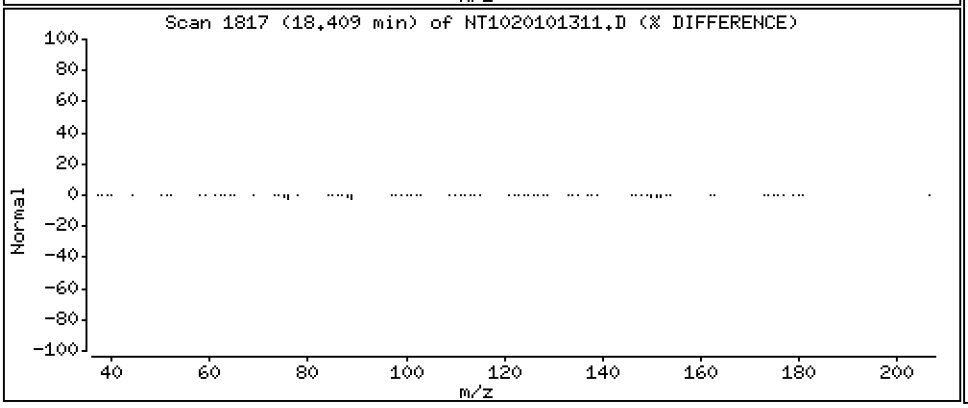
61 Anthracene

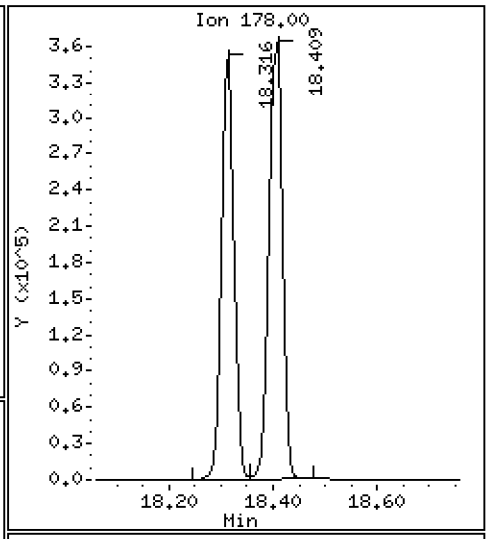
Concentration: 4.794 ug/mL

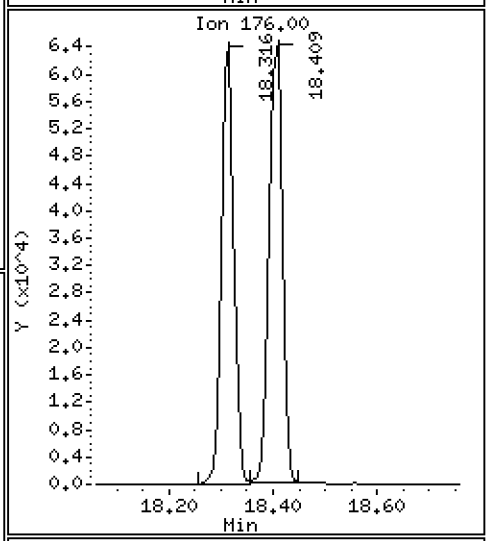


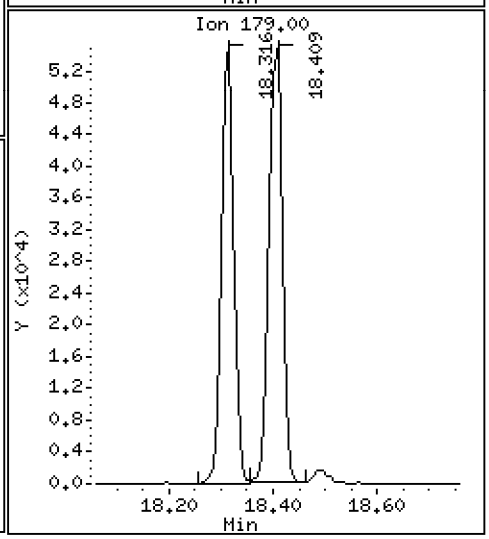












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

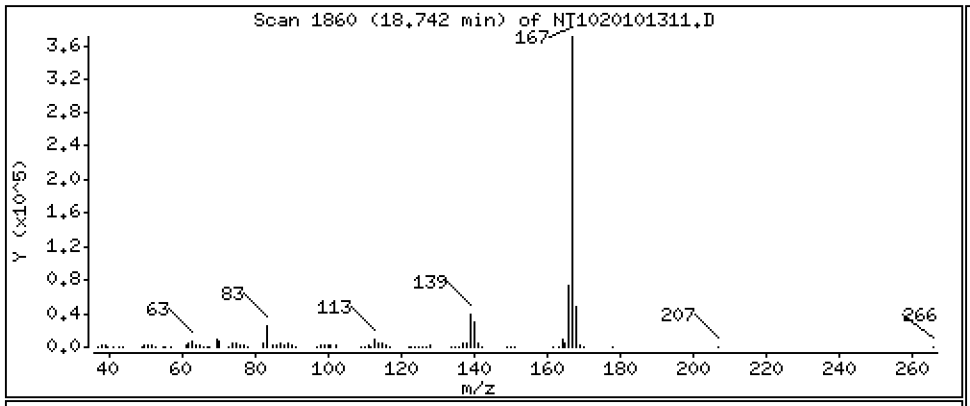
Operator: VTS

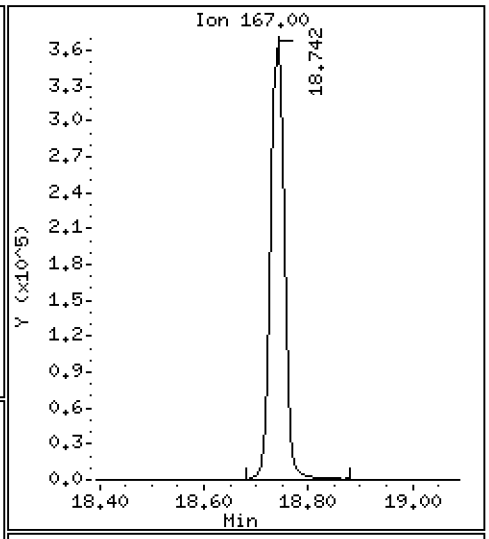
Column phase: ZB-5msi

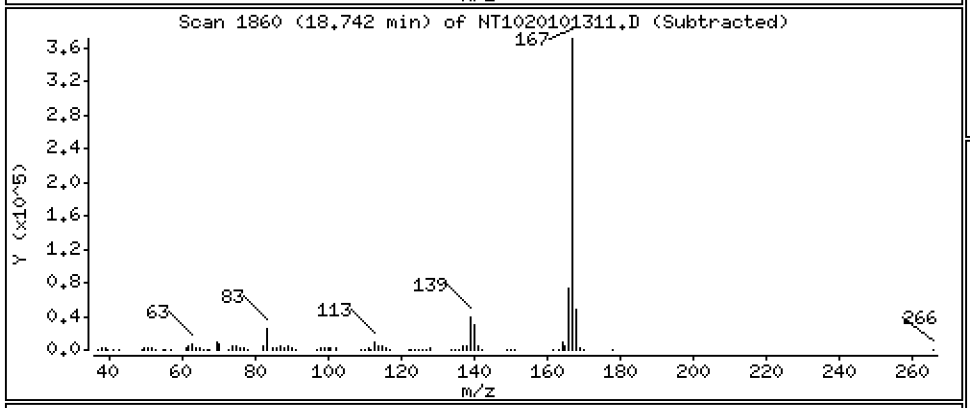
Column diameter: 0.25

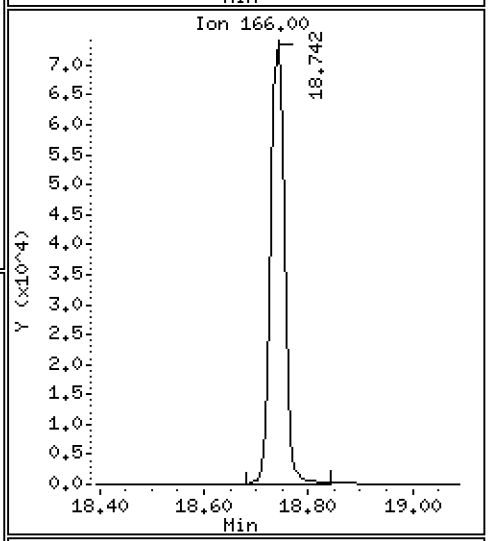
62 Carbazole

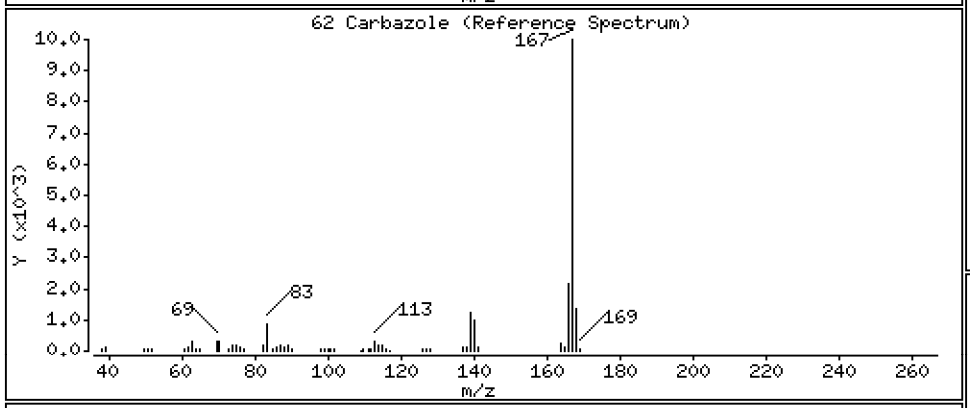
Concentration: 5.036 ug/mL

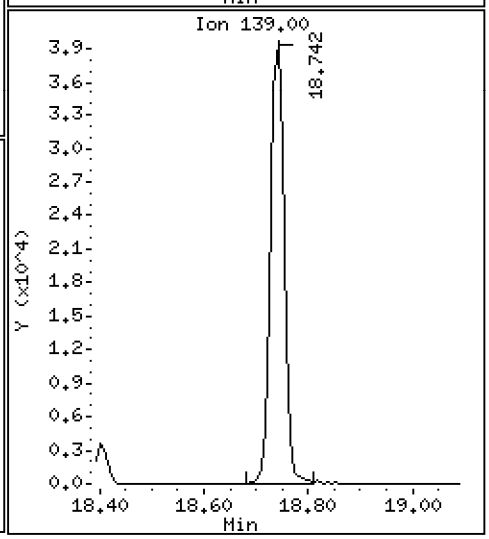


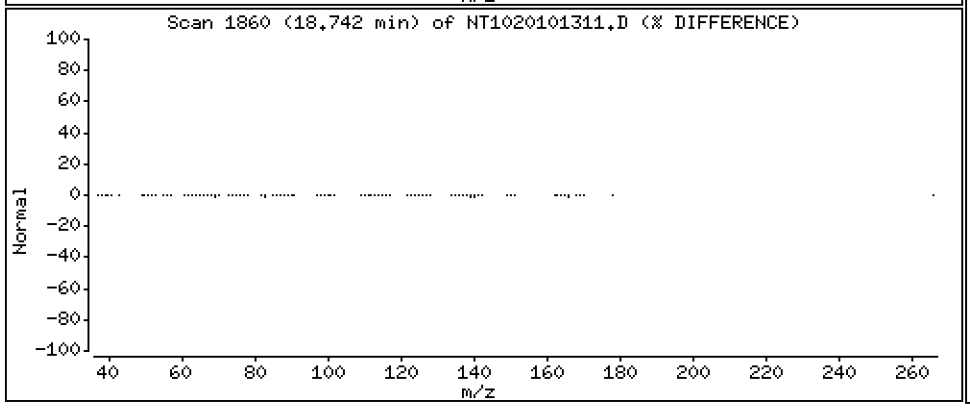












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

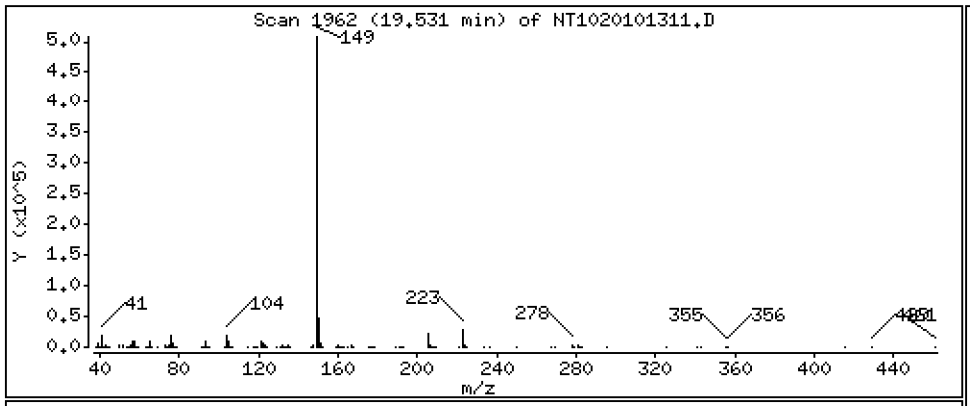
Operator: VTS

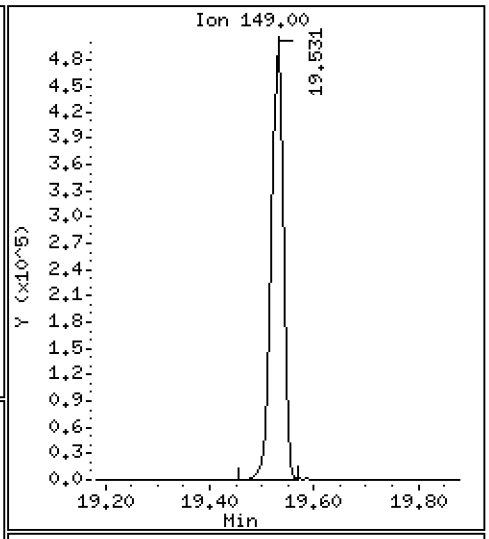
Column phase: ZB-5msi

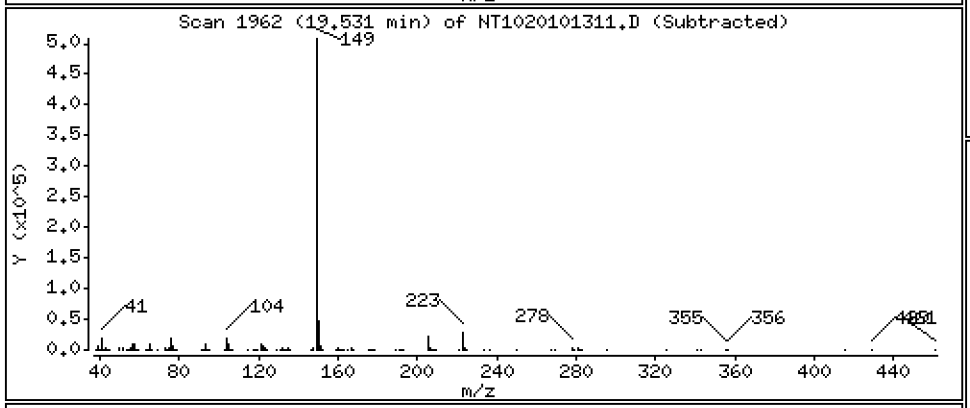
Column diameter: 0.25

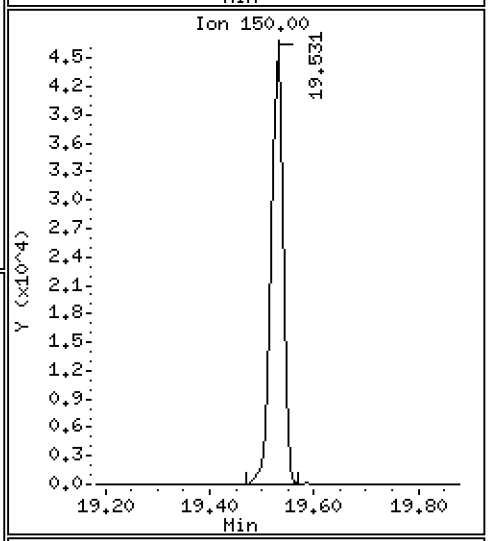
63 Di-n-butylphthalate

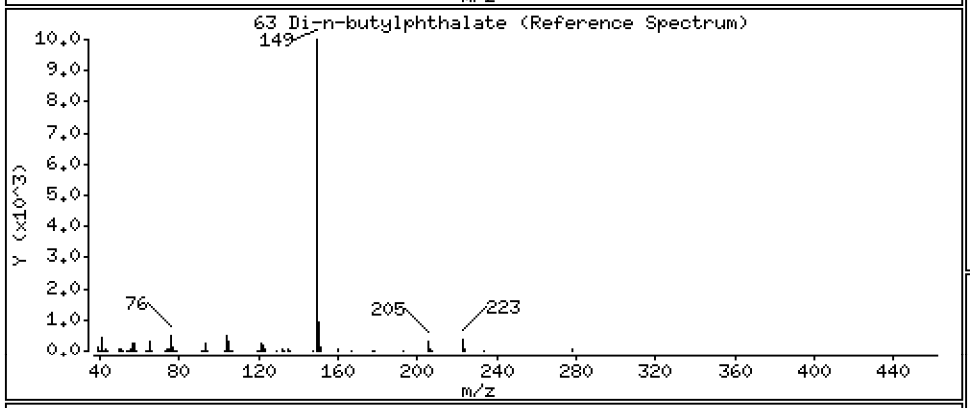
Concentration: 4.800 ug/mL

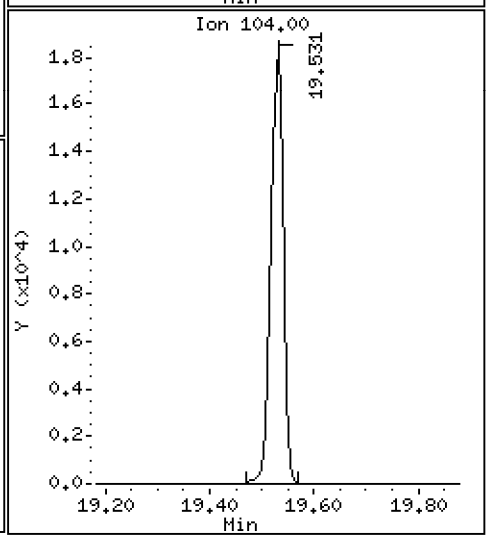


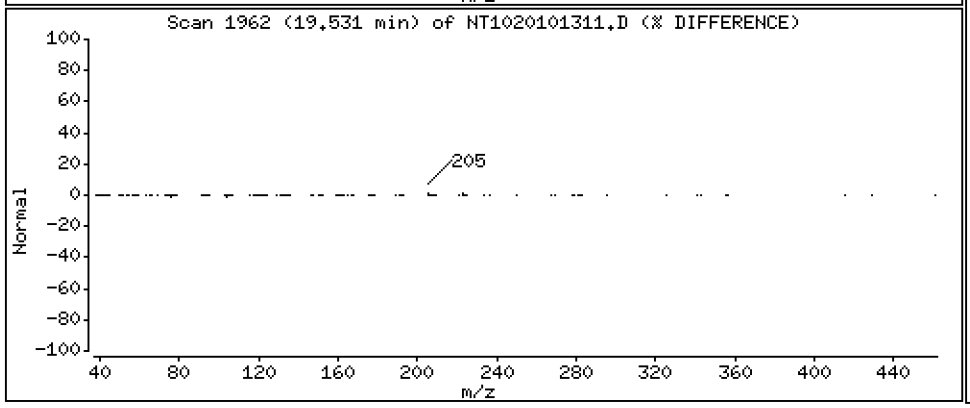












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

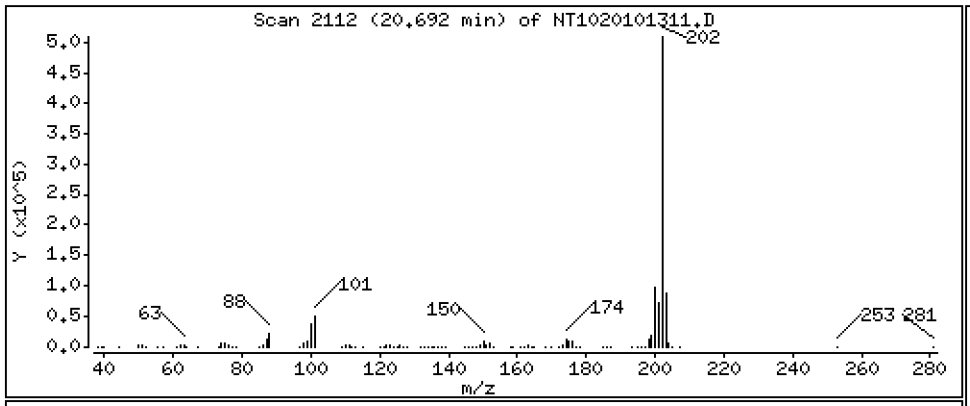
Operator: VTS

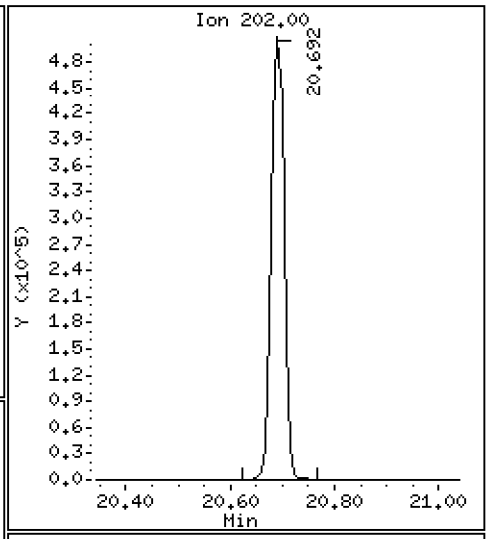
Column phase: ZB-5msi

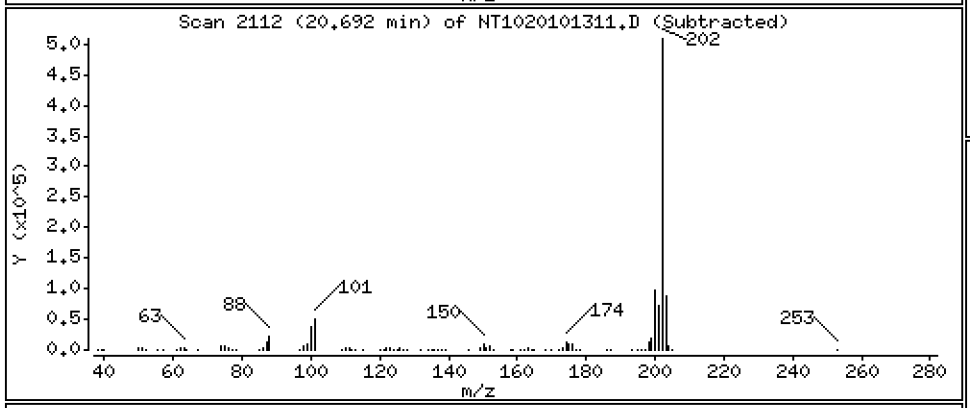
Column diameter: 0.25

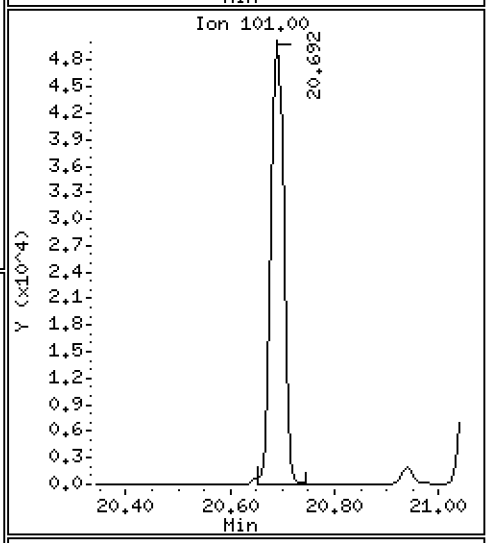
64 Fluoranthene

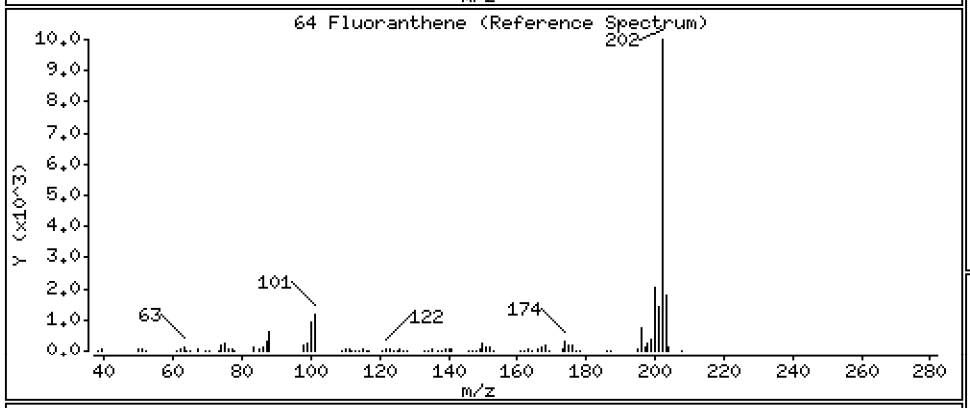
Concentration: 4.693 ug/mL

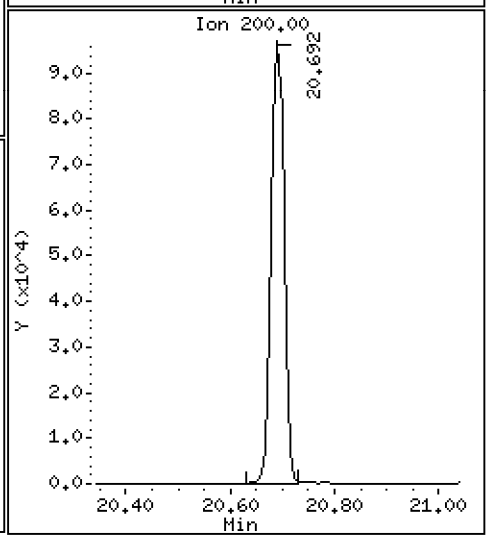


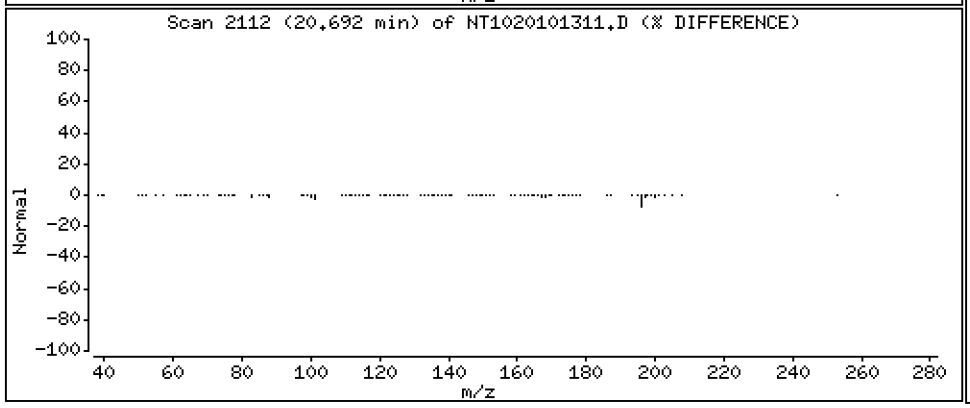












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

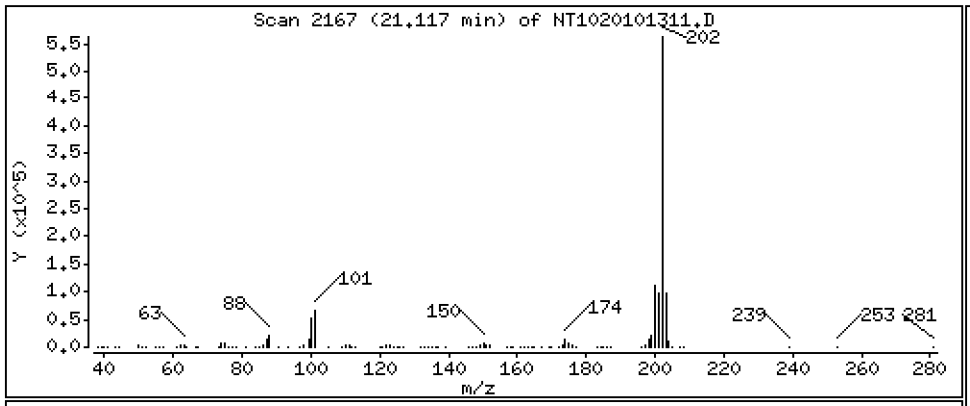
Operator: VTS

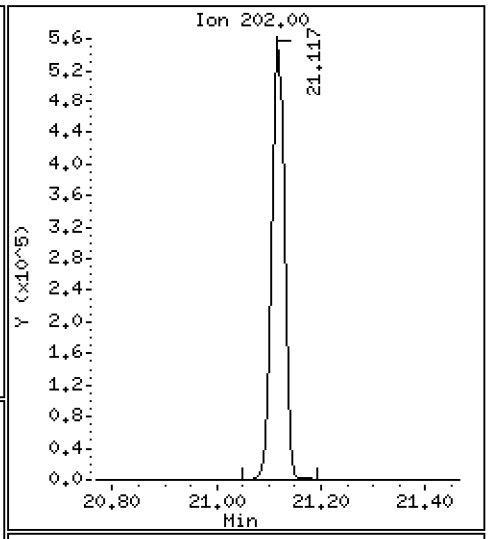
Column phase: ZB-5msi

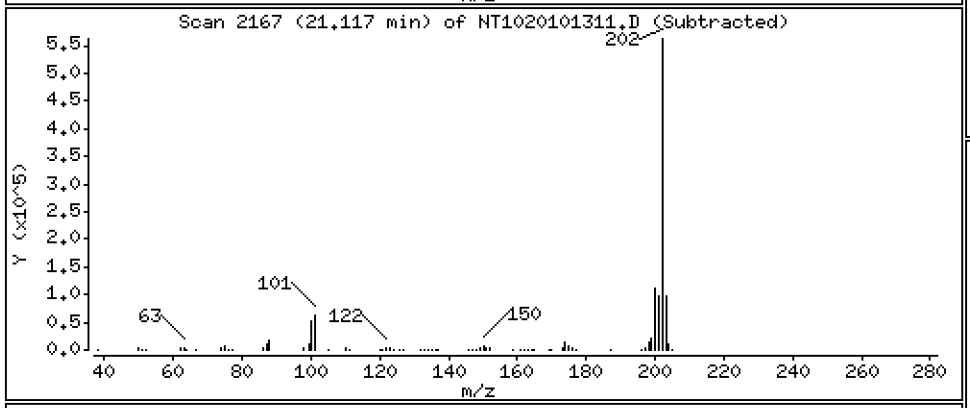
Column diameter: 0.25

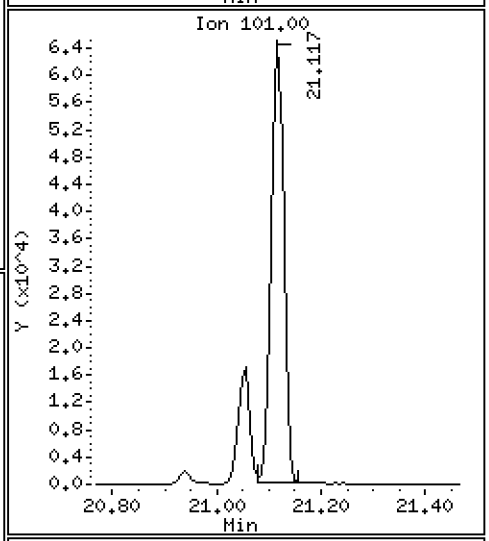
65 Pyrene

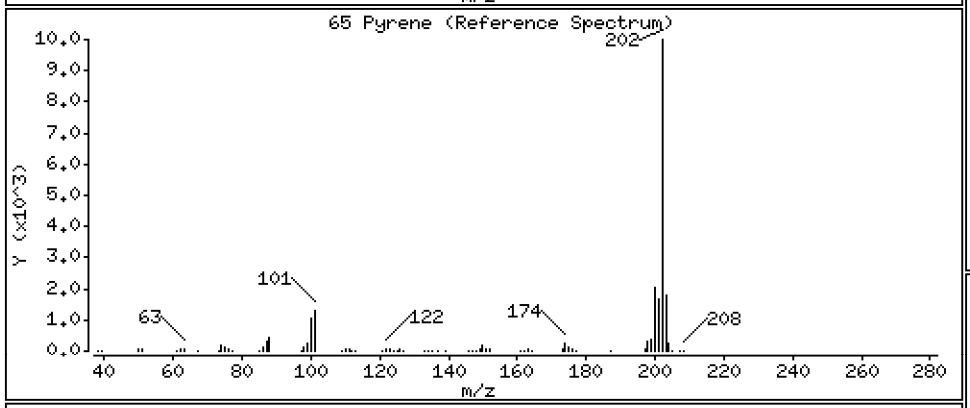
Concentration: 4.802 ug/mL

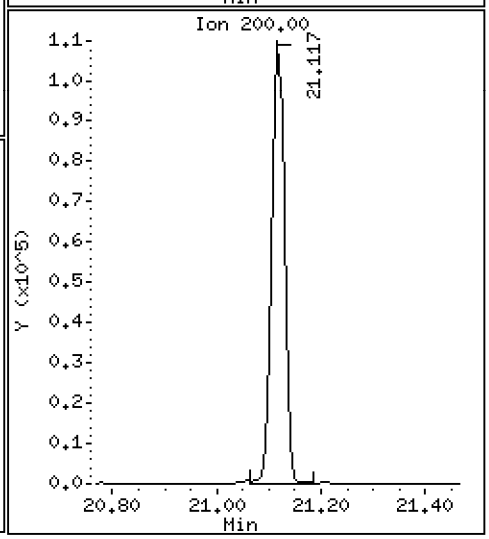


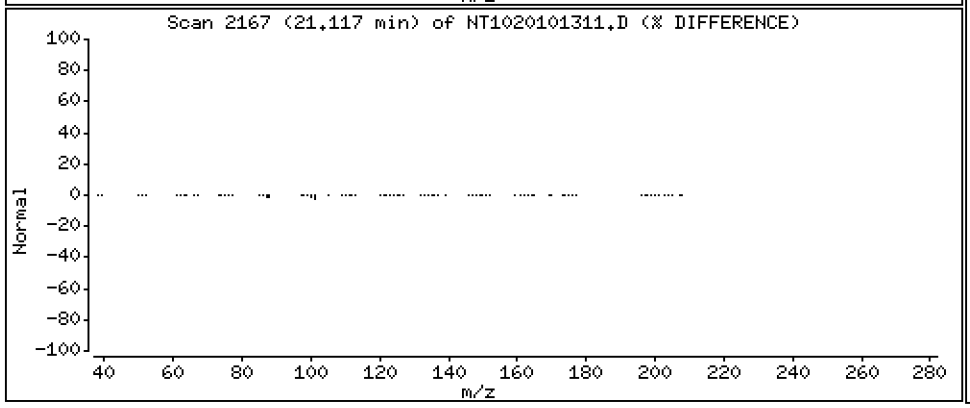












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

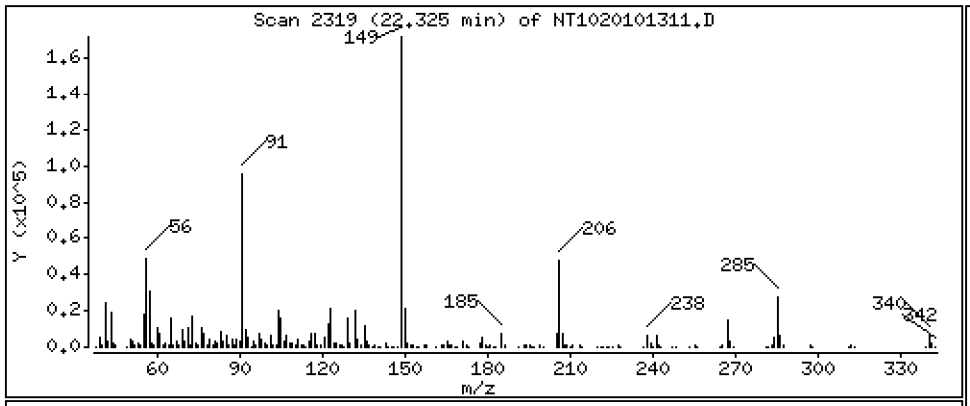
Client ID: Instrument: nt10.i

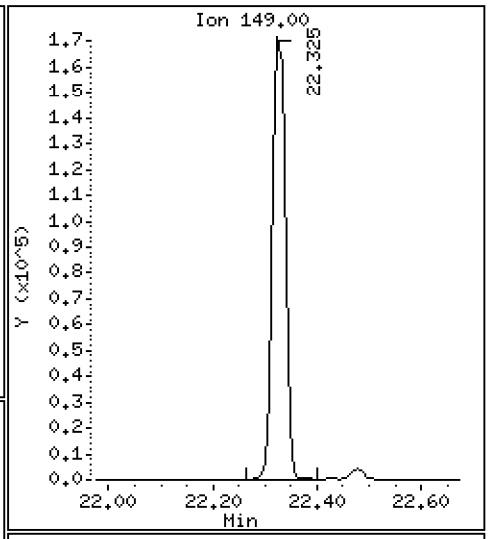
Sample Info: SIJ0179-SCV1

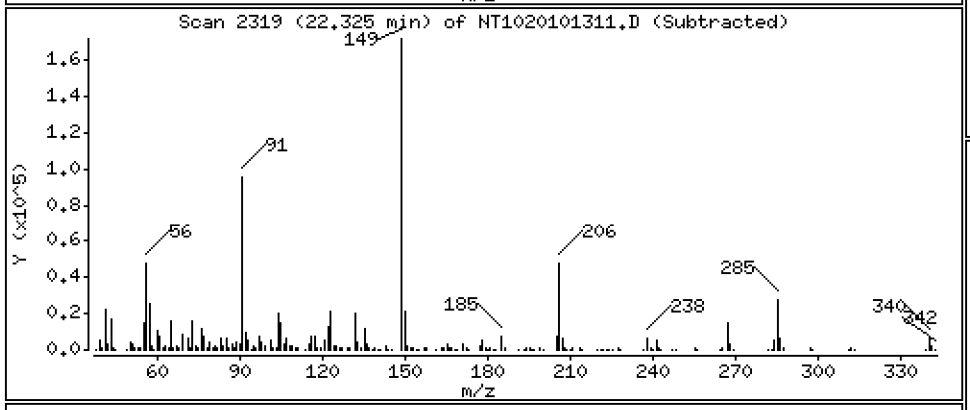
Operator: VTS

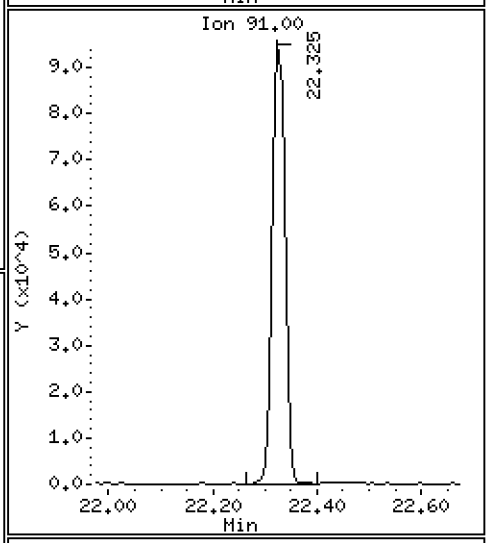
Column phase: ZB-5msi Column diameter: 0.25

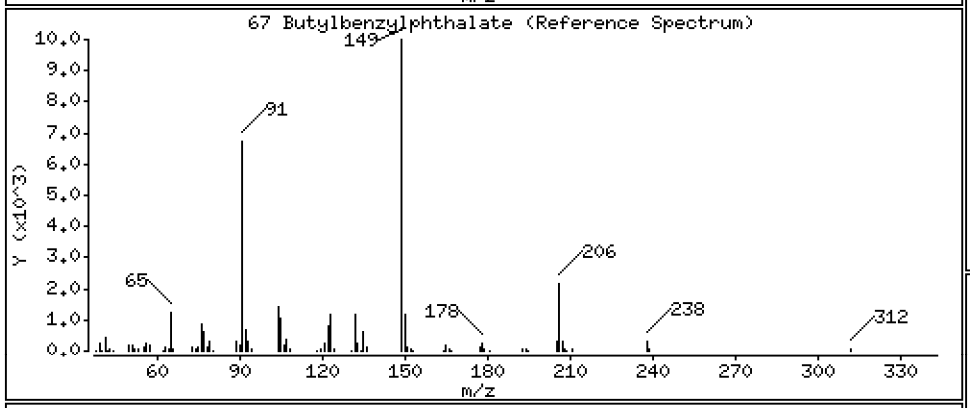
67 Butylbenzylphthalate Concentration: 4.876 ug/mL

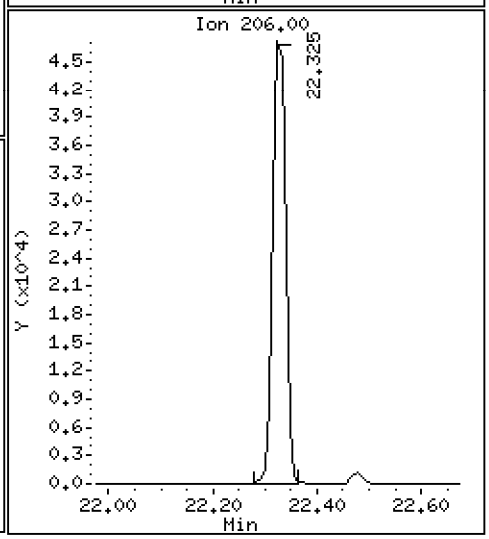


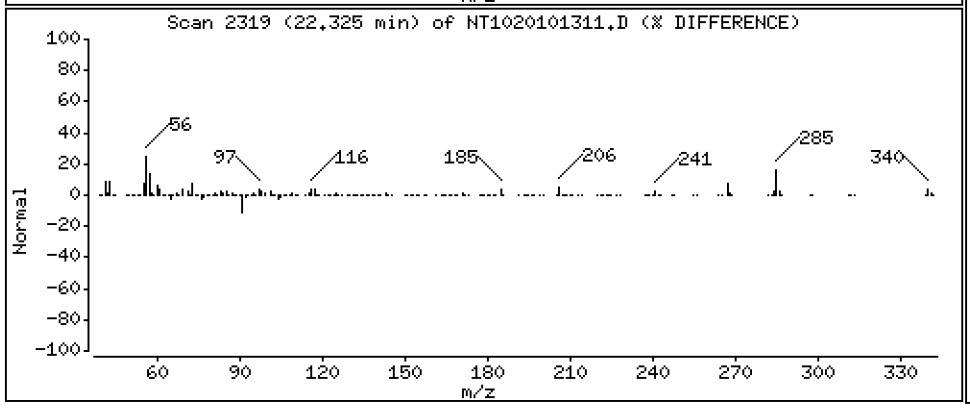












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

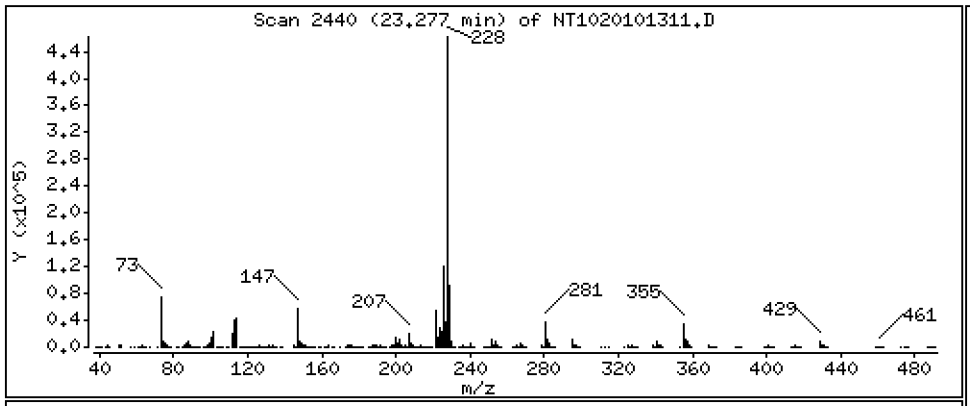
Operator: VTS

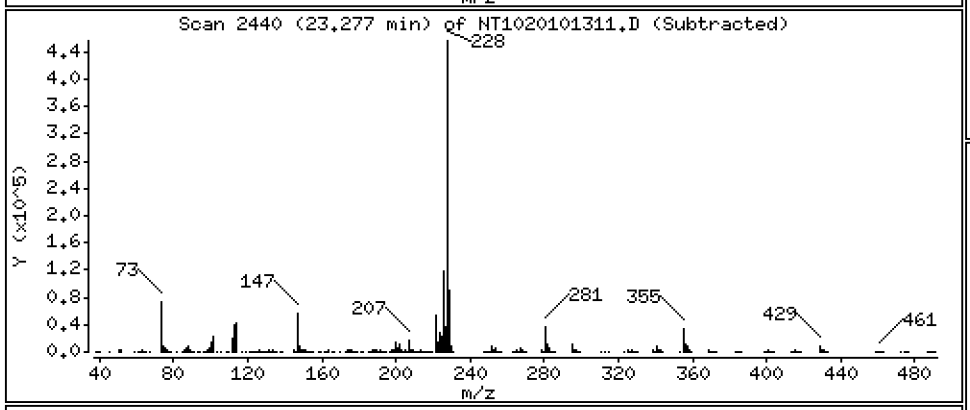
Column phase: ZB-5msi

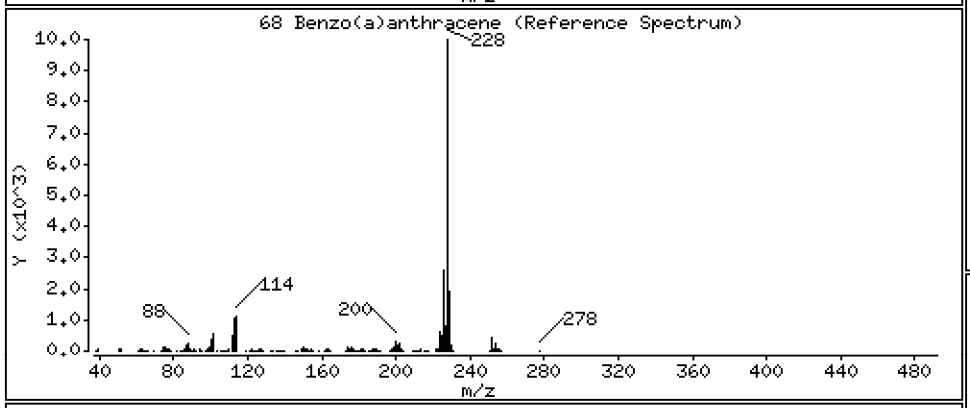
Column diameter: 0.25

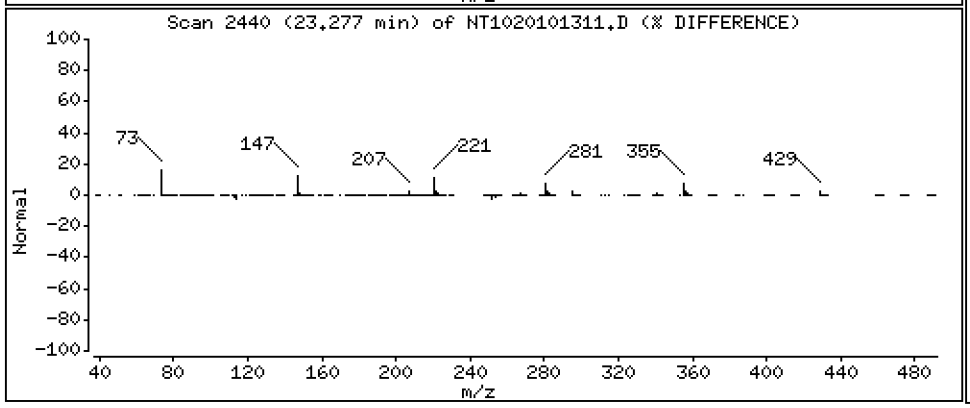
68 Benzo(a)anthracene

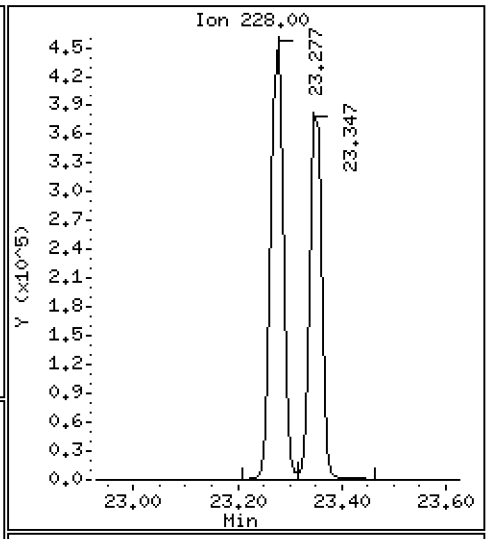
Concentration: 4.683 ug/mL

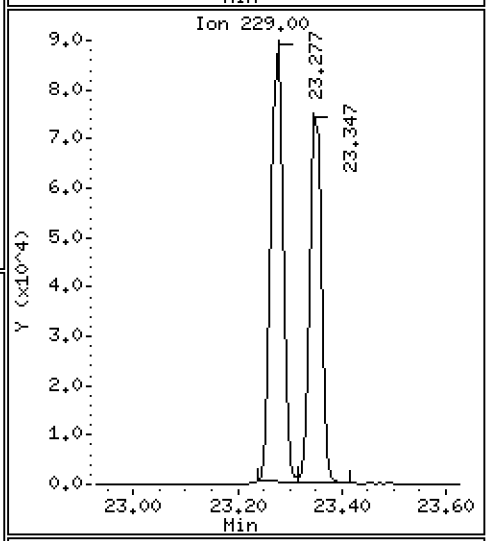


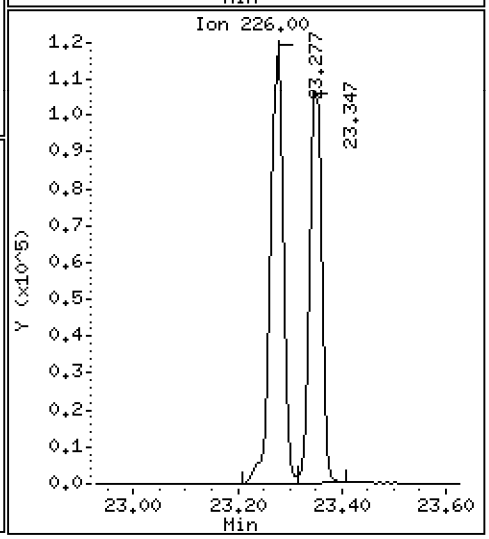












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

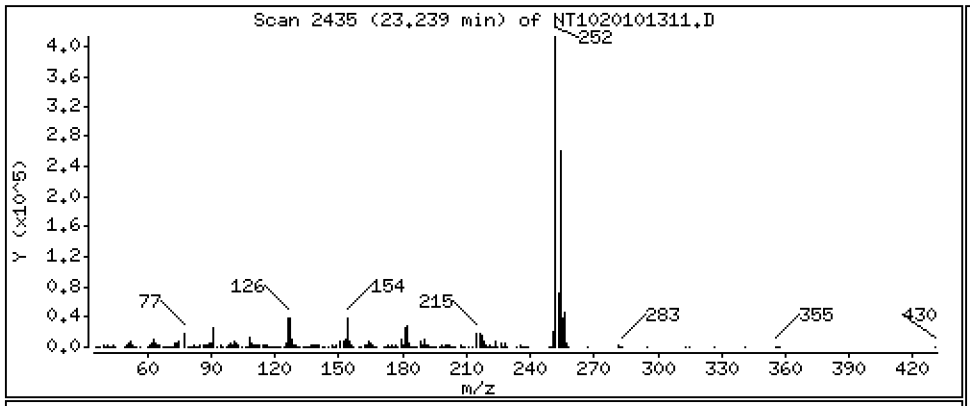
Operator: VTS

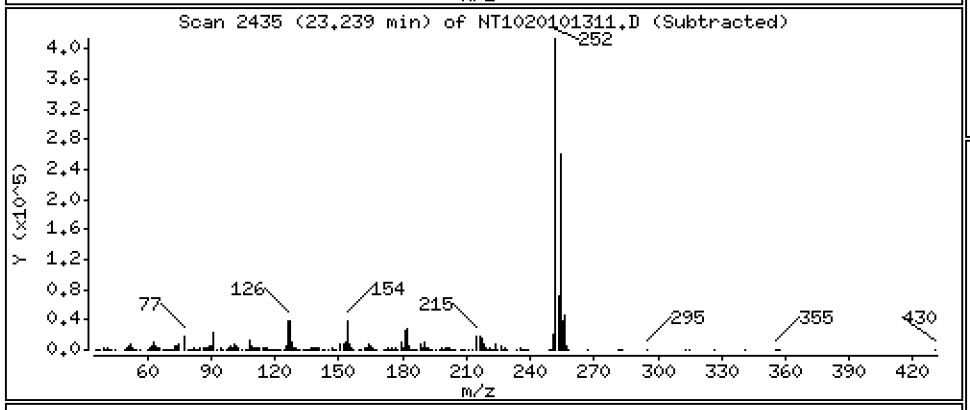
Column phase: ZB-5msi

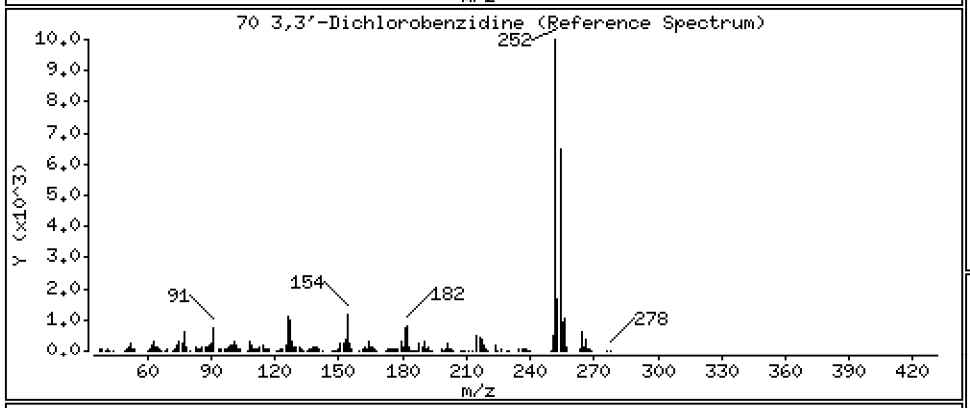
Column diameter: 0.25

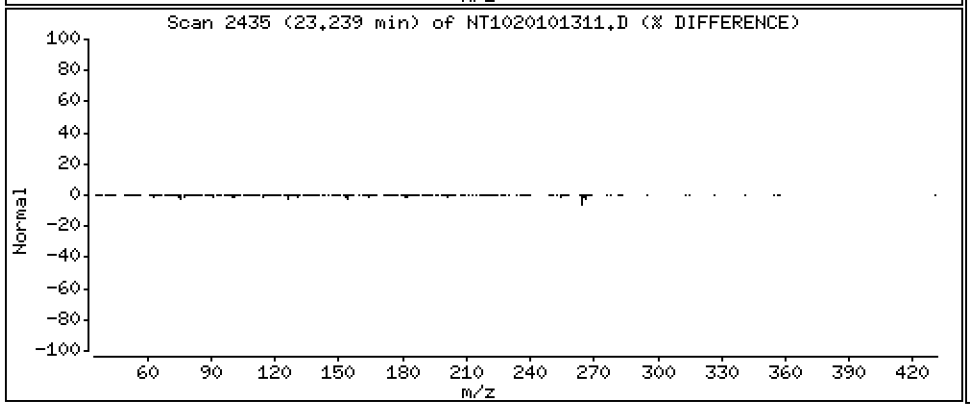
70 3,3'-Dichlorobenzidine

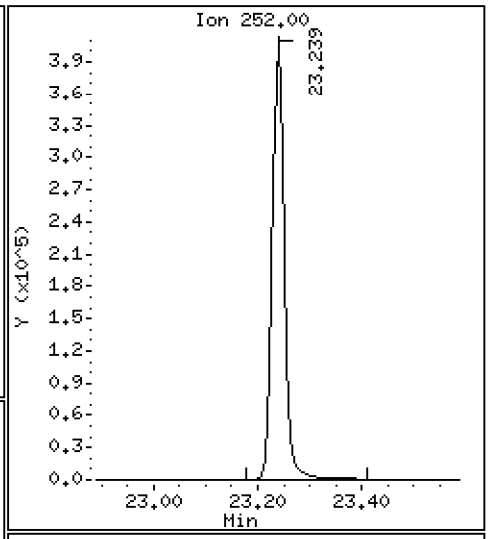
Concentration: 10.24 ug/mL

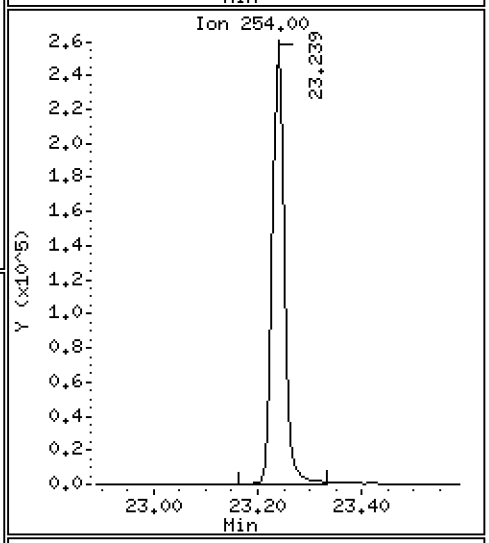


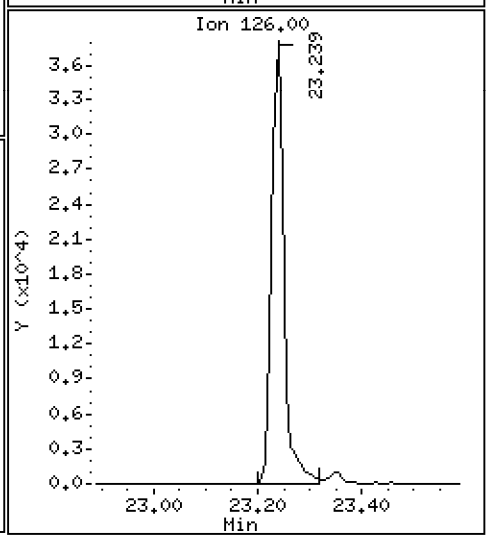












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

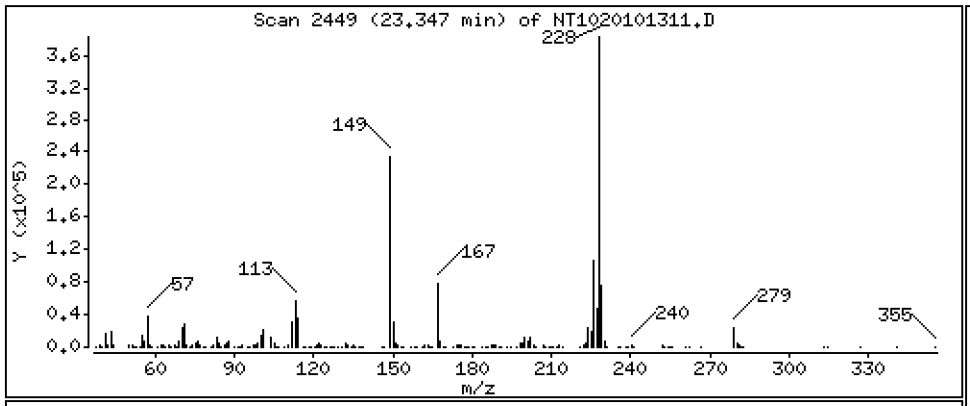
Operator: VTS

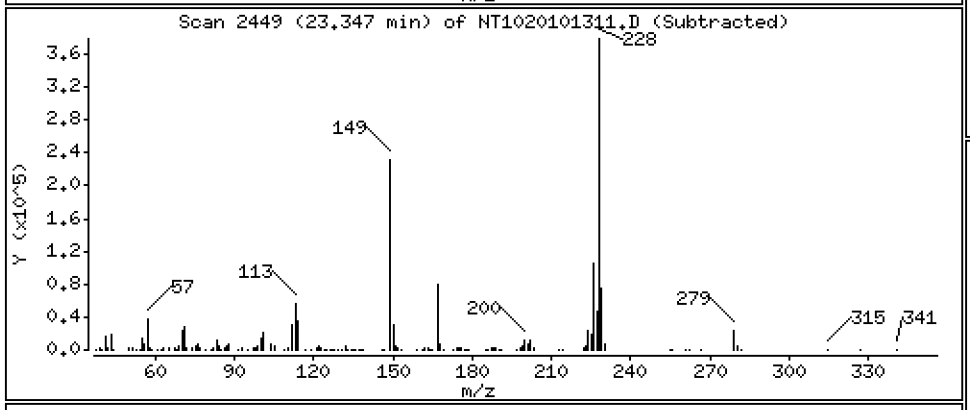
Column phase: ZB-5msi

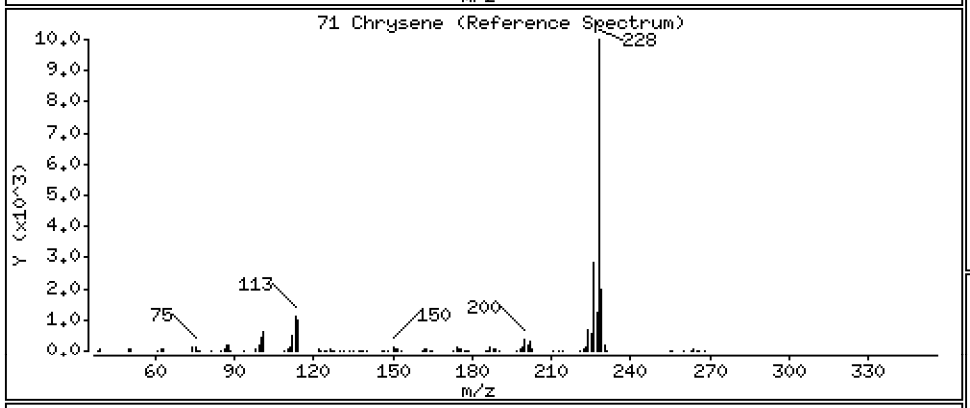
Column diameter: 0.25

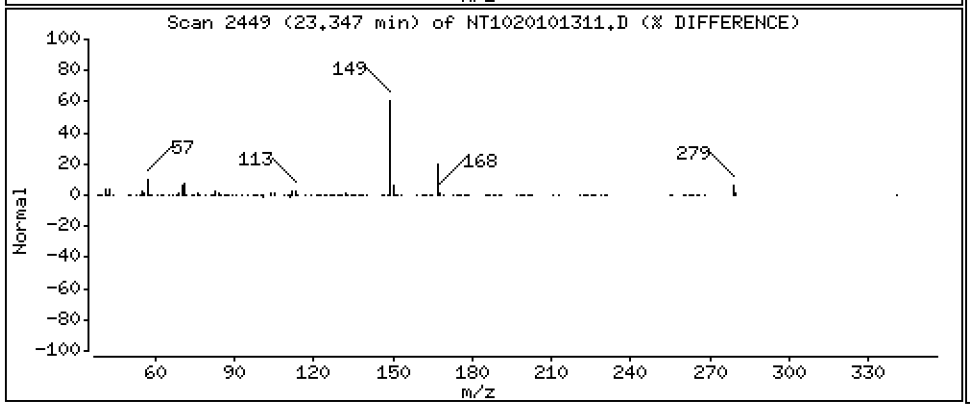
71 Chrysene

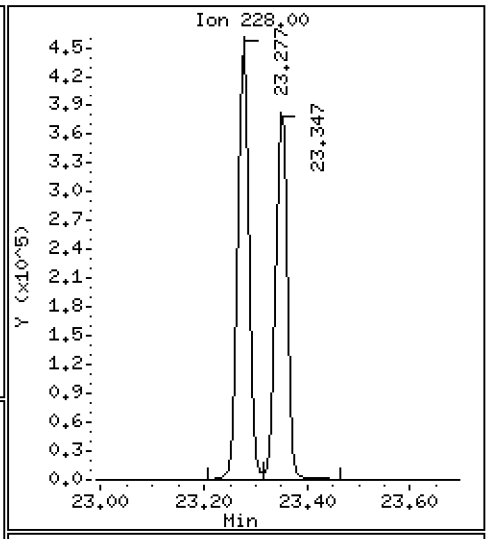
Concentration: 4.838 ug/mL

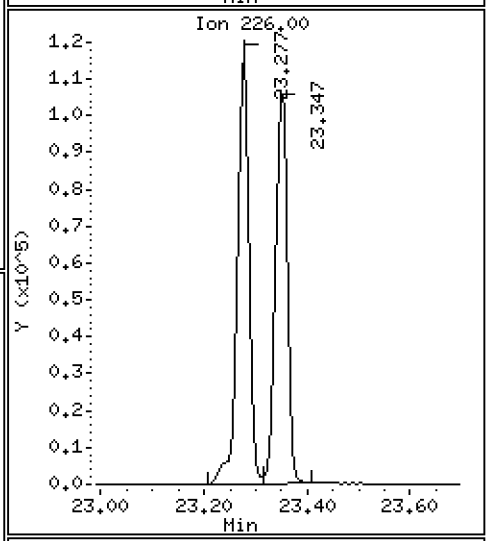


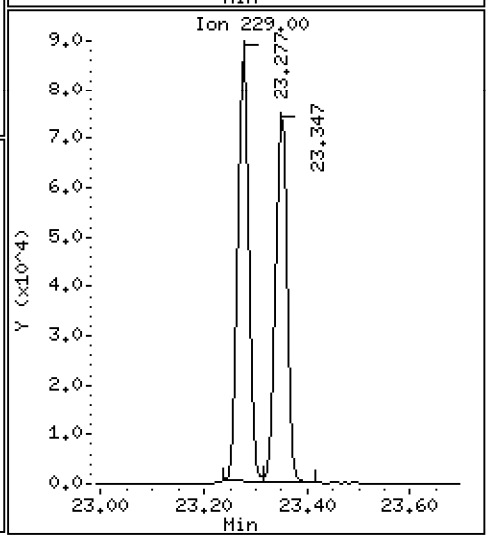












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

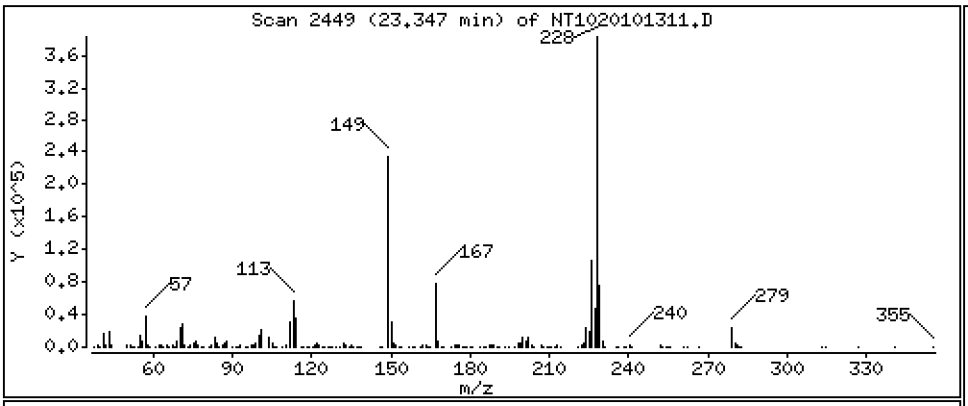
Operator: VTS

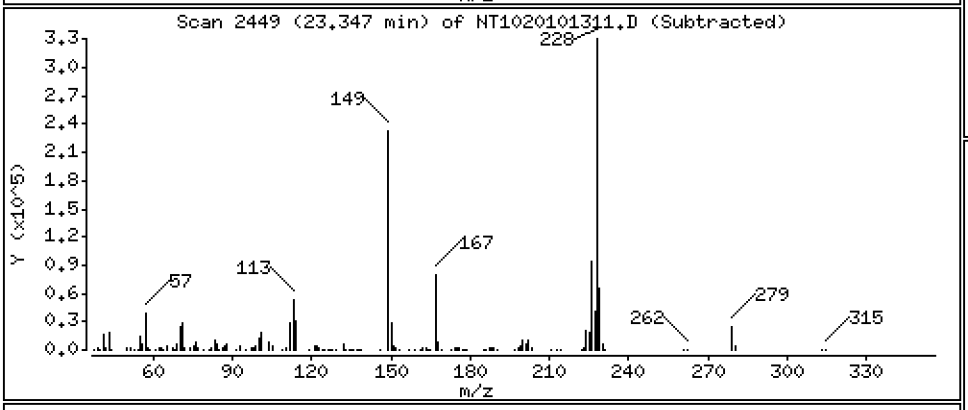
Column phase: ZB-5msi

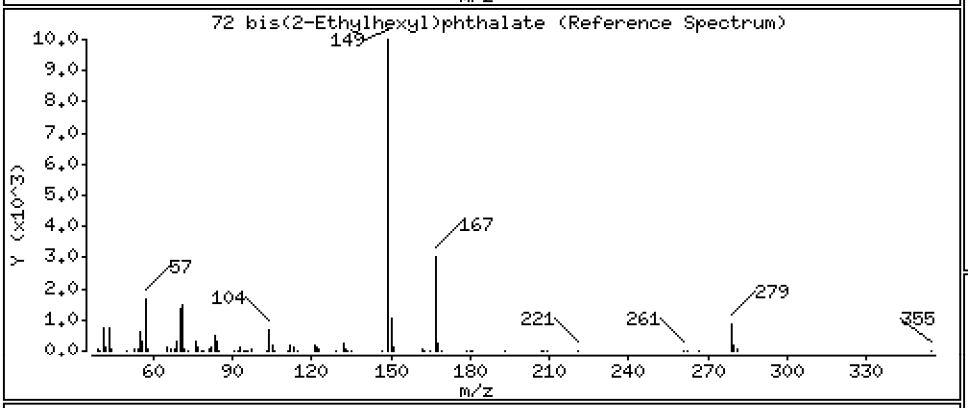
Column diameter: 0.25

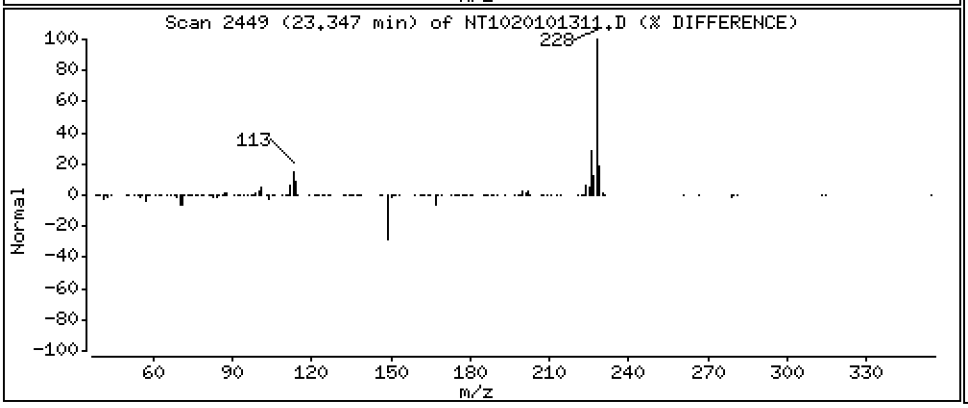
72 bis(2-Ethylhexyl)phthalate

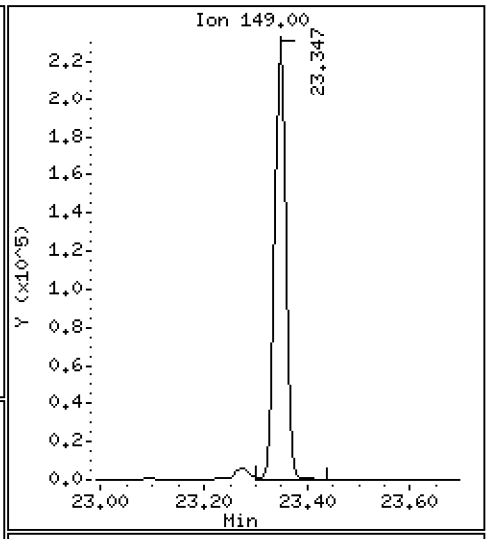
Concentration: 4.943 ug/mL

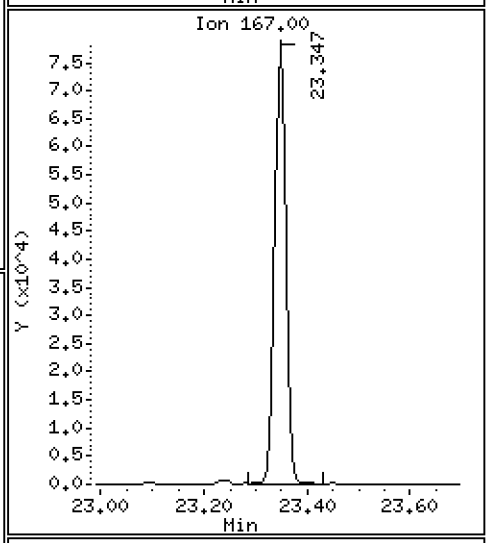


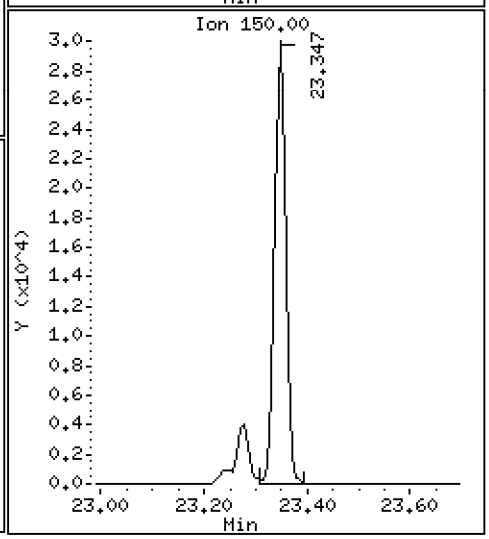












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

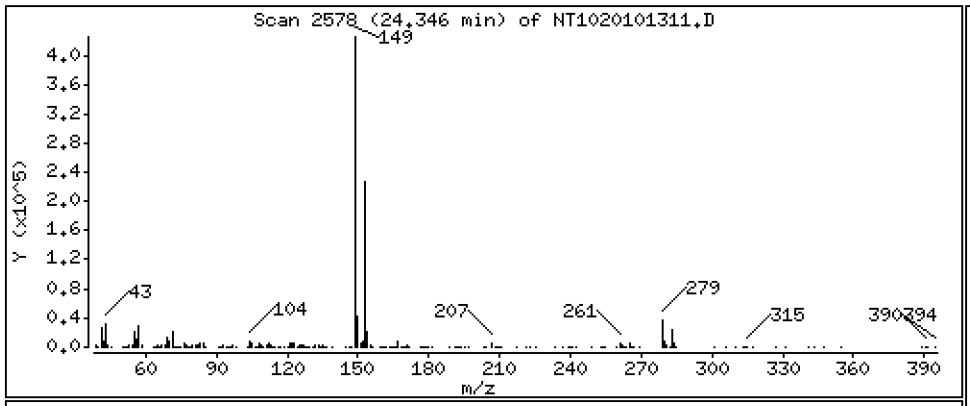
Operator: VTS

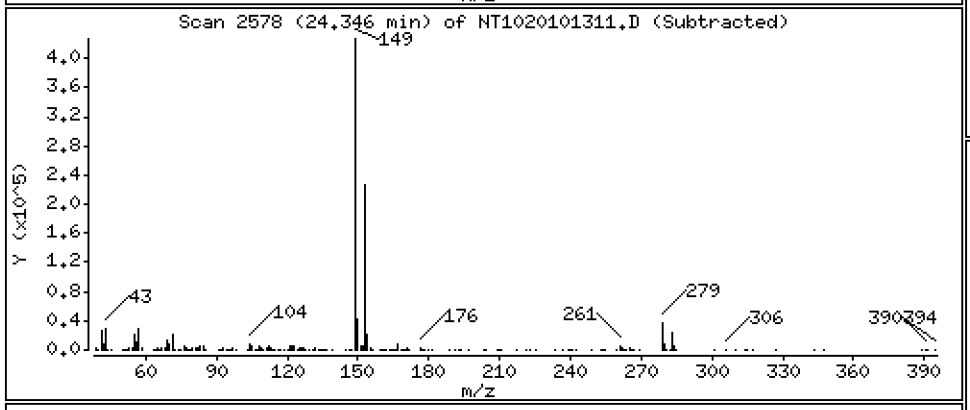
Column phase: ZB-5msi

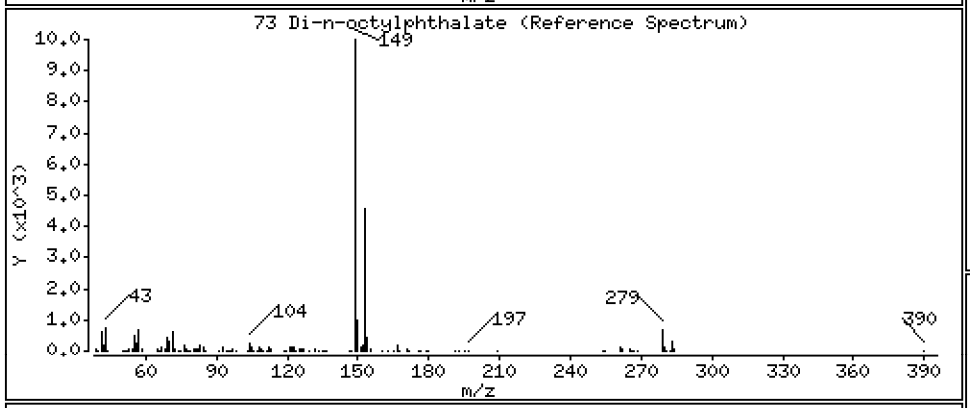
Column diameter: 0.25

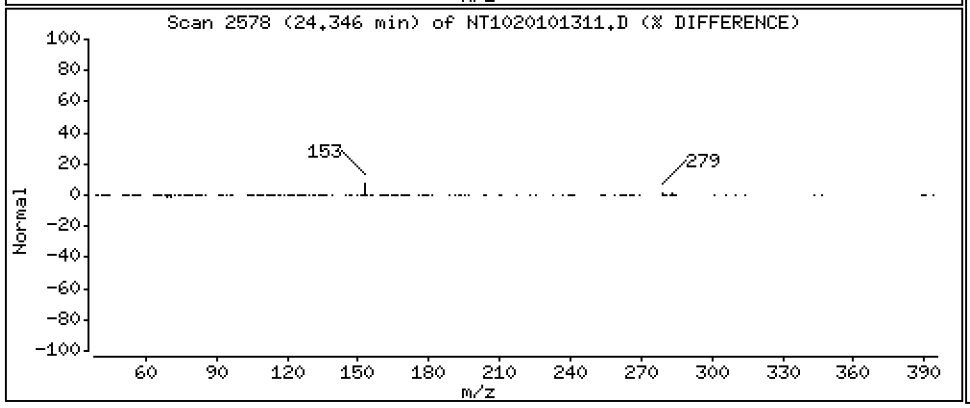
73 Di-n-octylphthalate

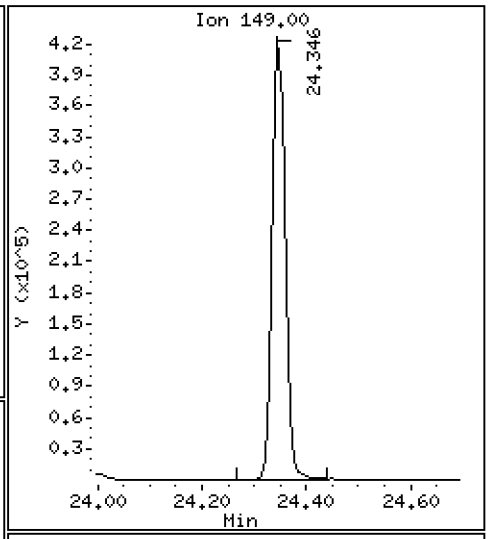
Concentration: 4.795 ug/mL

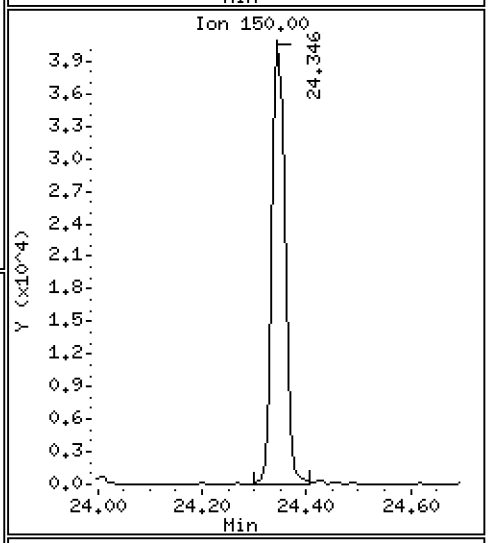


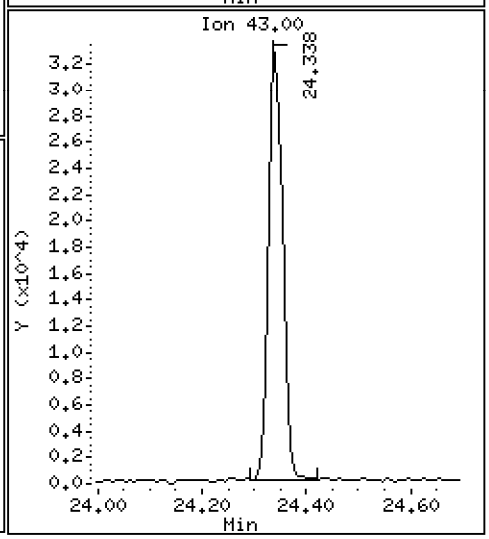












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

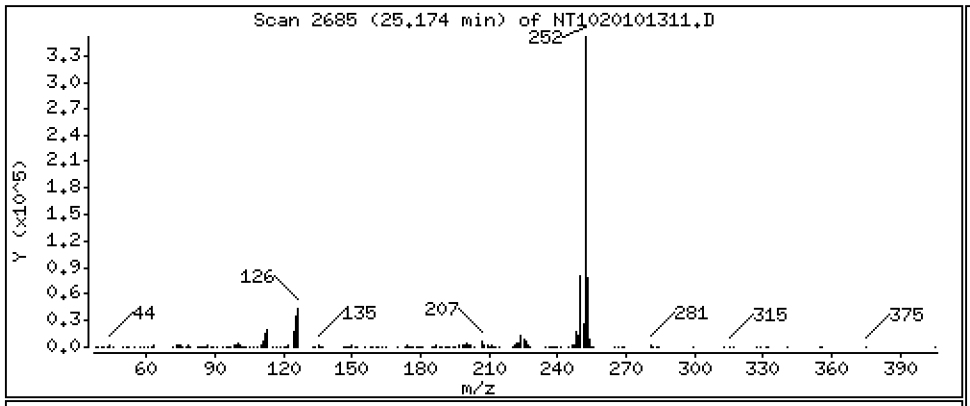
Operator: VTS

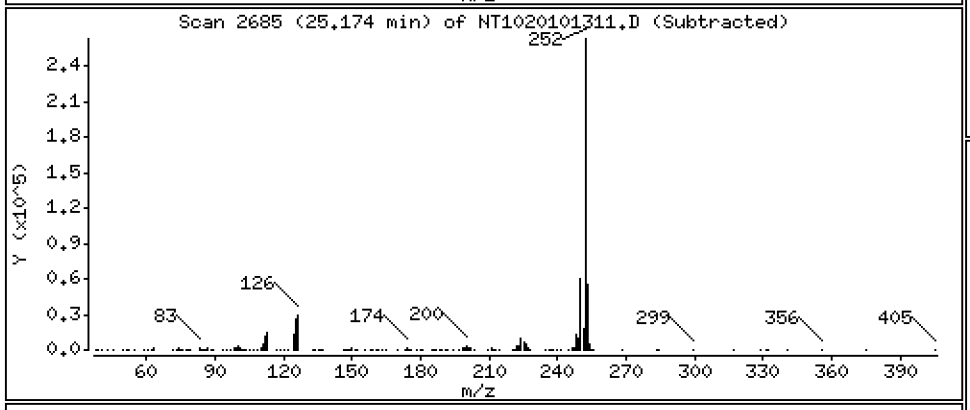
Column phase: ZB-5msi

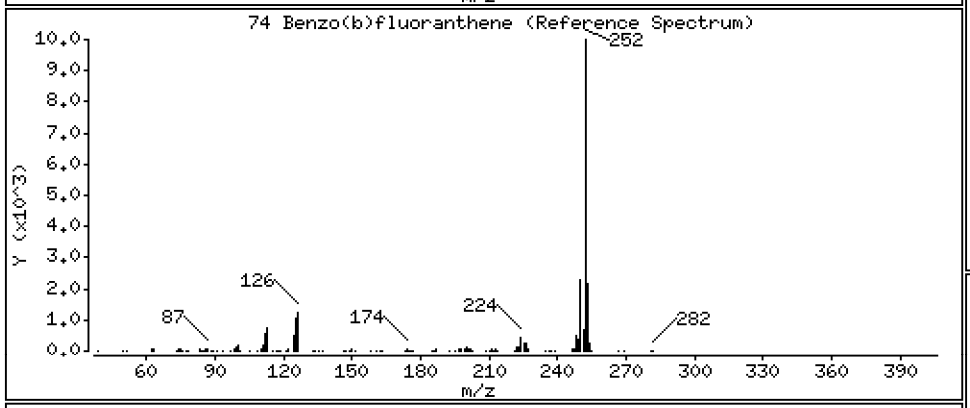
Column diameter: 0.25

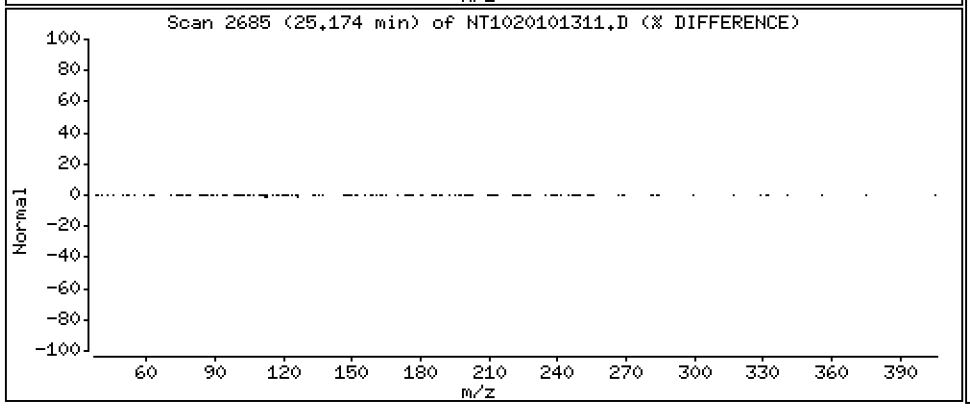
74 Benzo(b)fluoranthene

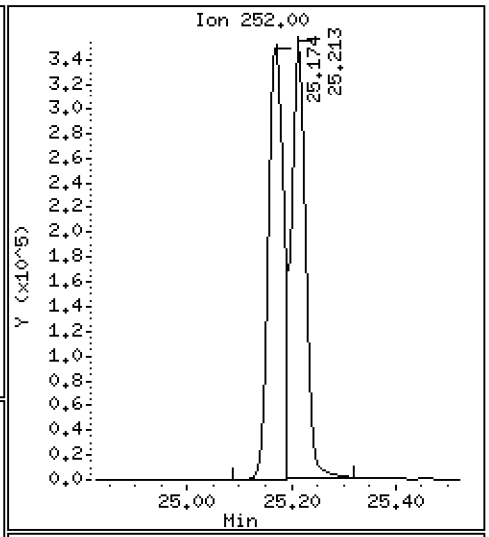
Concentration: 4.759 ug/mL

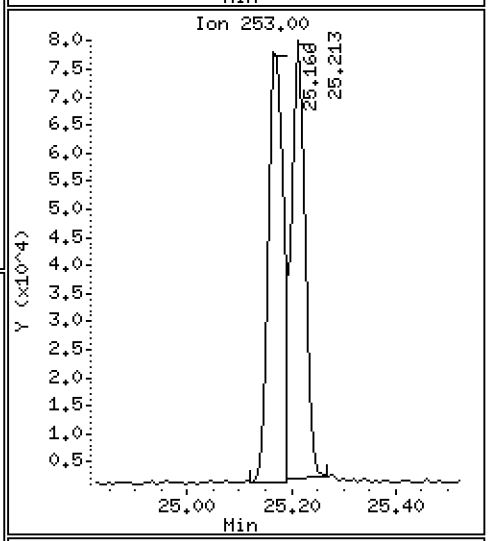


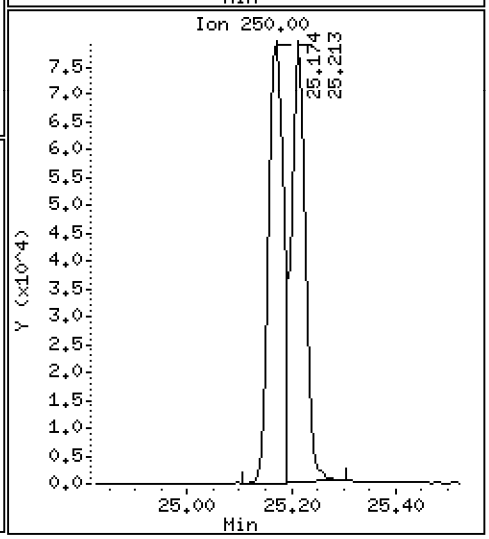












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

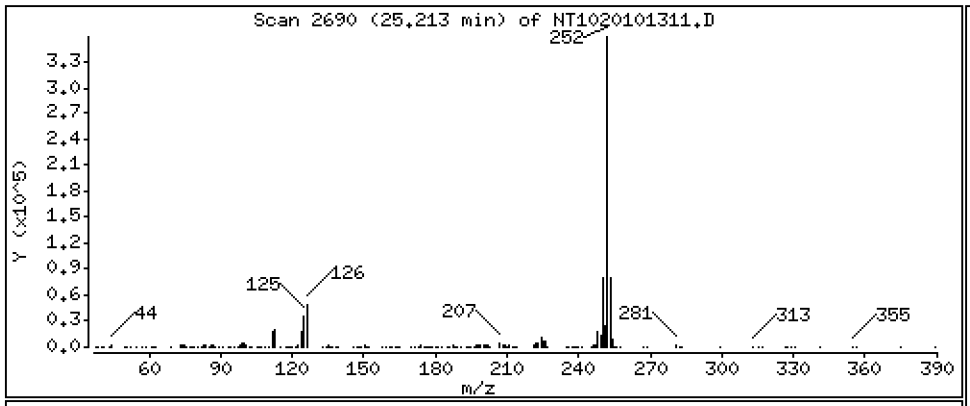
Operator: VTS

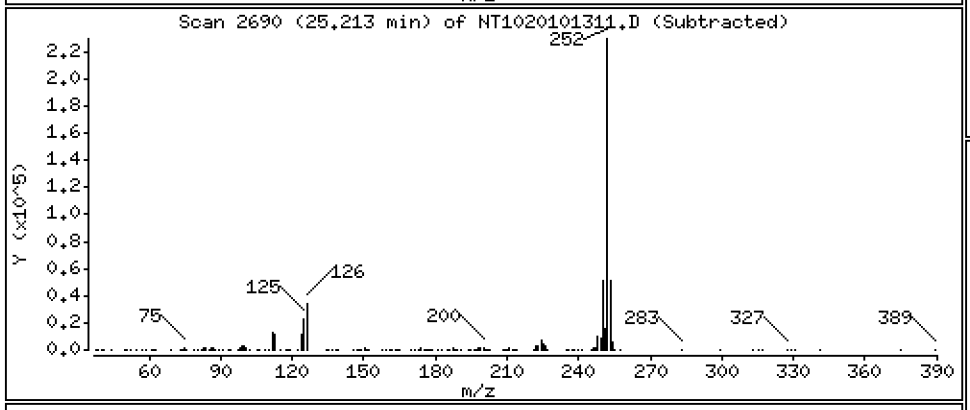
Column phase: ZB-5msi

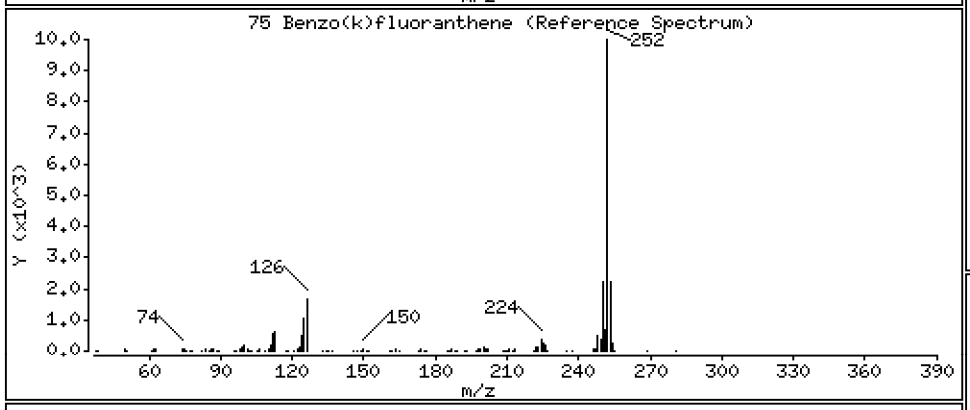
Column diameter: 0.25

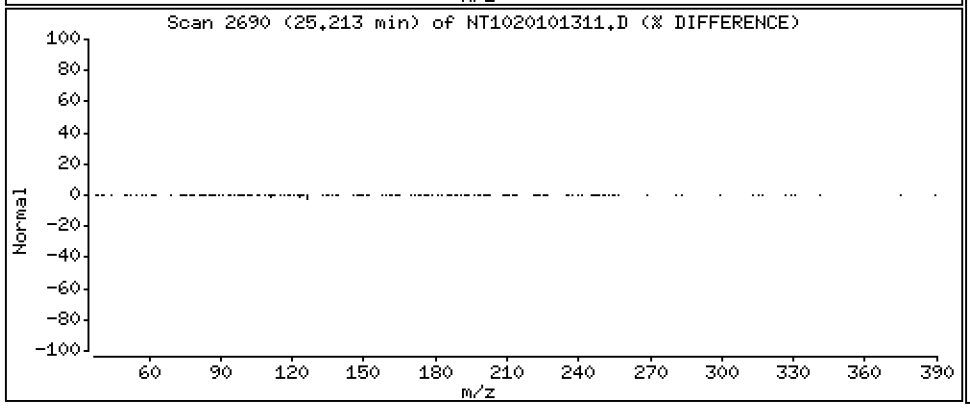
75 Benzo(k)fluoranthene

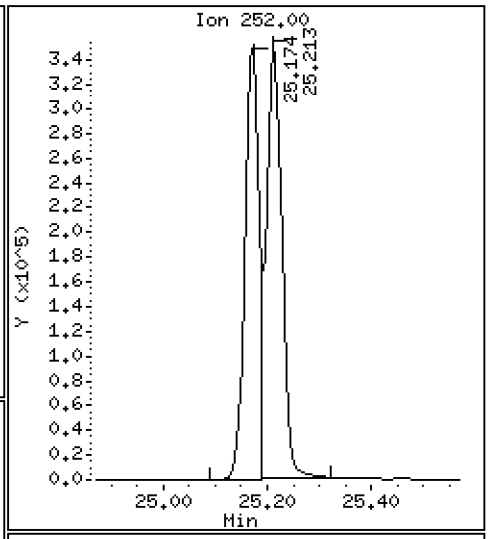
Concentration: 4.980 ug/mL

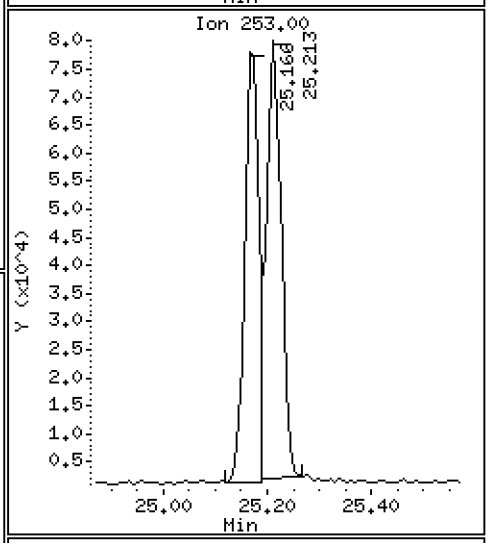


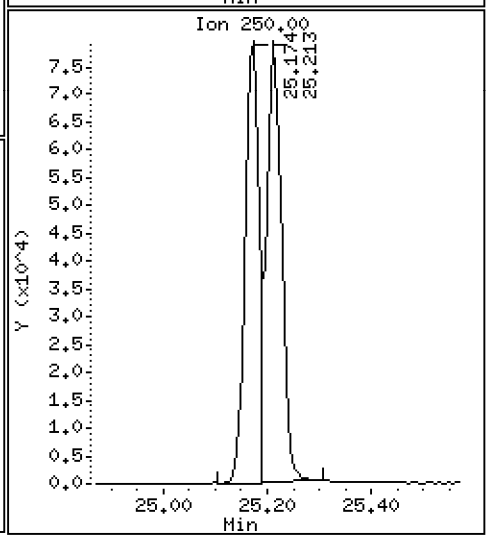












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

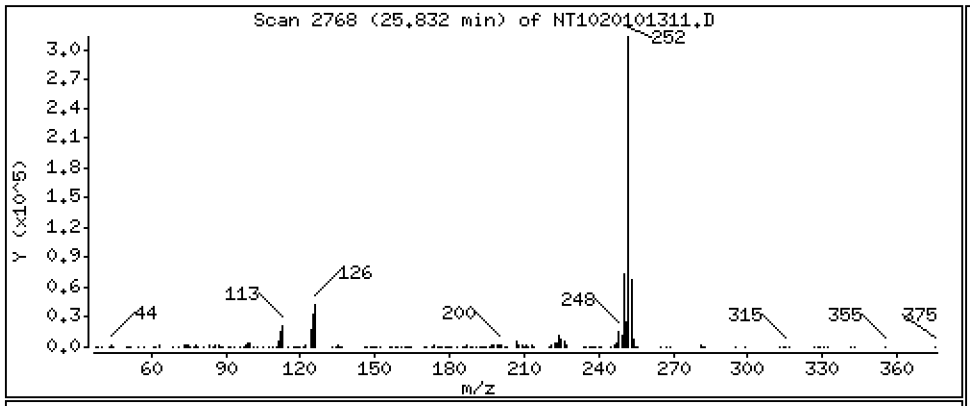
Operator: VTS

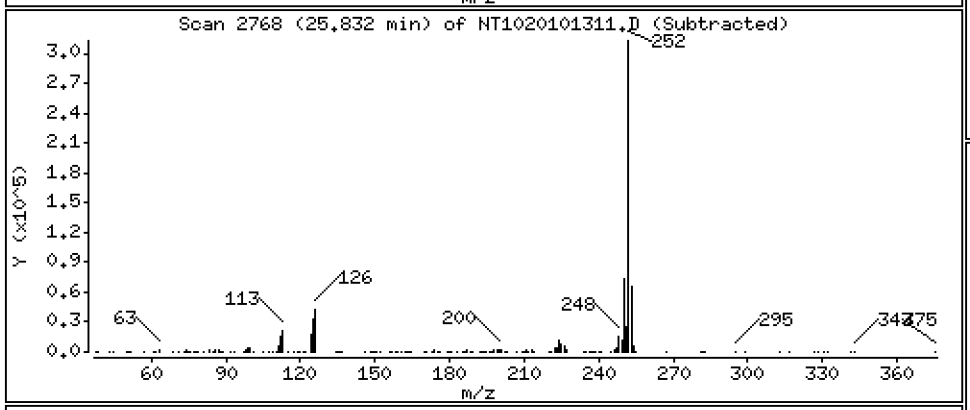
Column phase: ZB-5msi

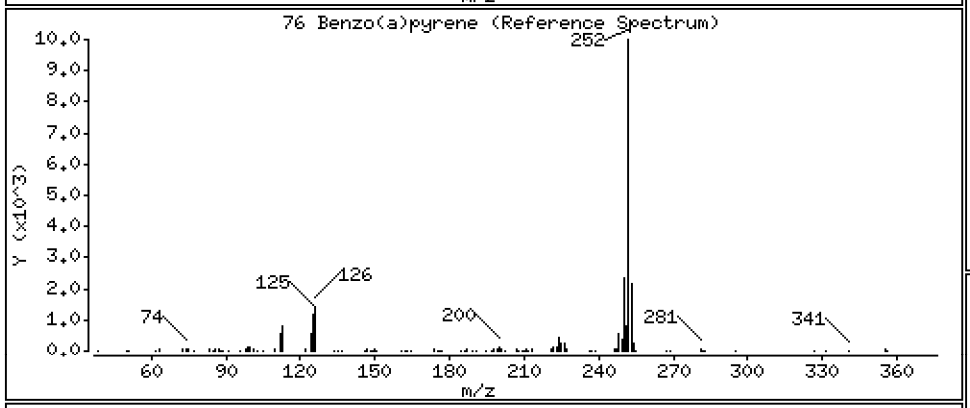
Column diameter: 0.25

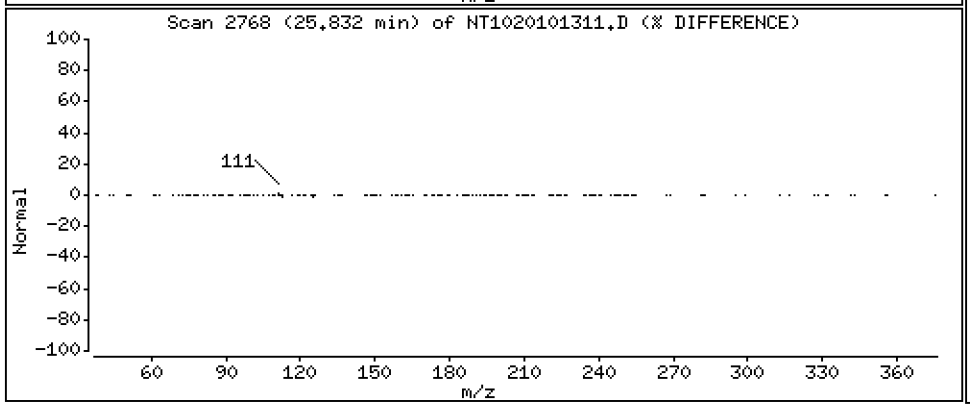
76 Benzo(a)pyrene

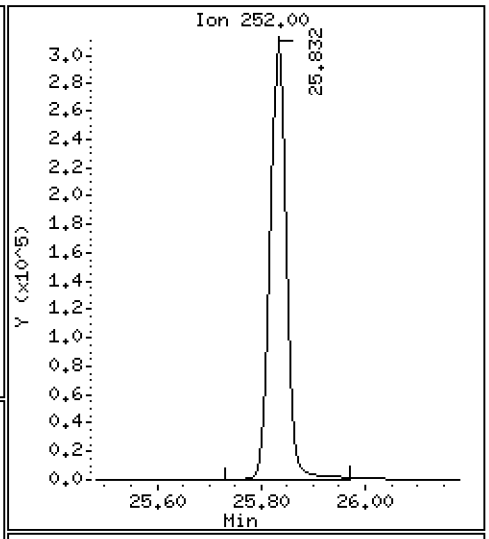
Concentration: 4.944 ug/mL

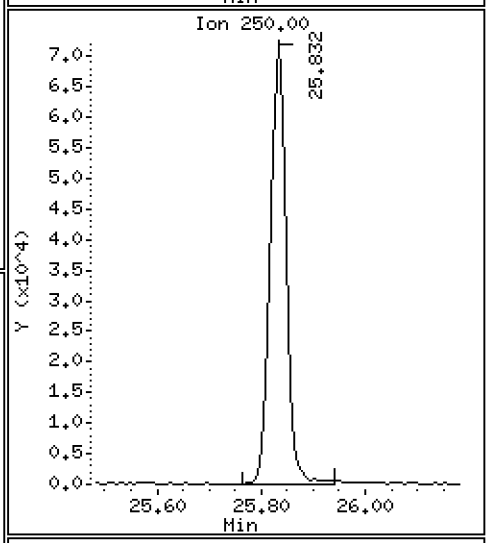


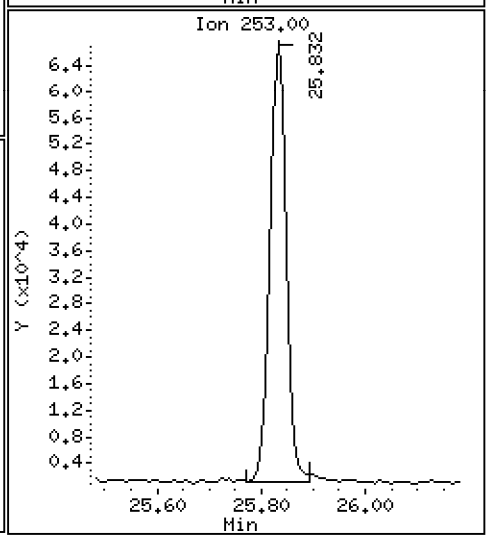












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

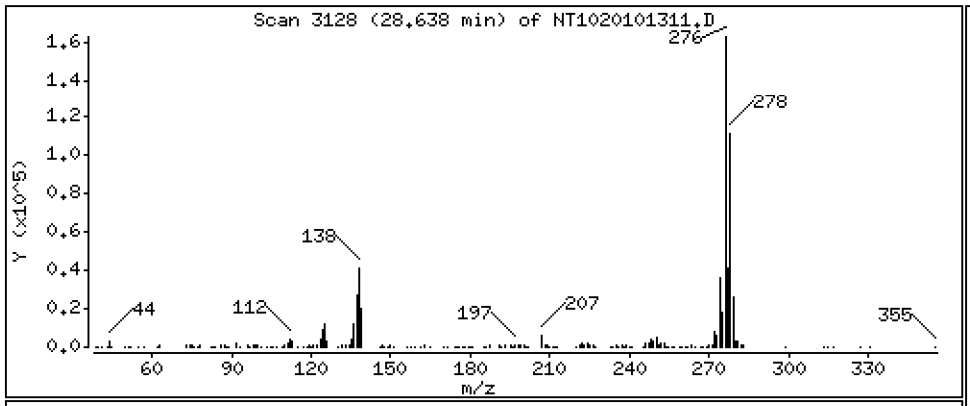
Operator: VTS

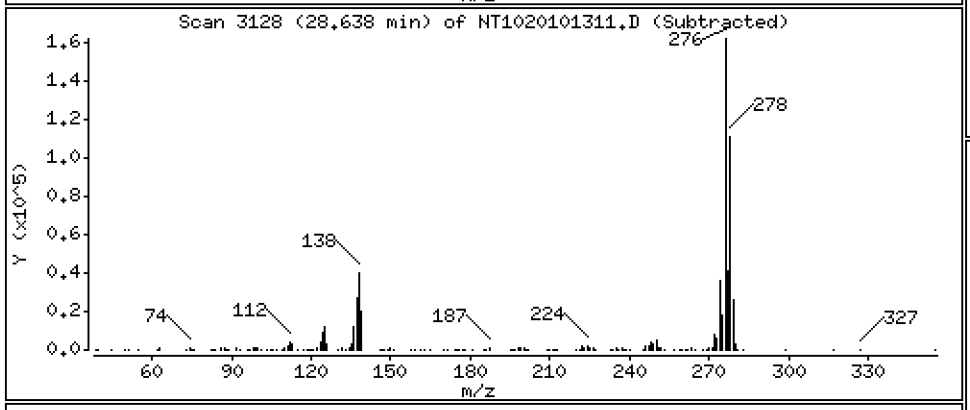
Column phase: ZB-5msi

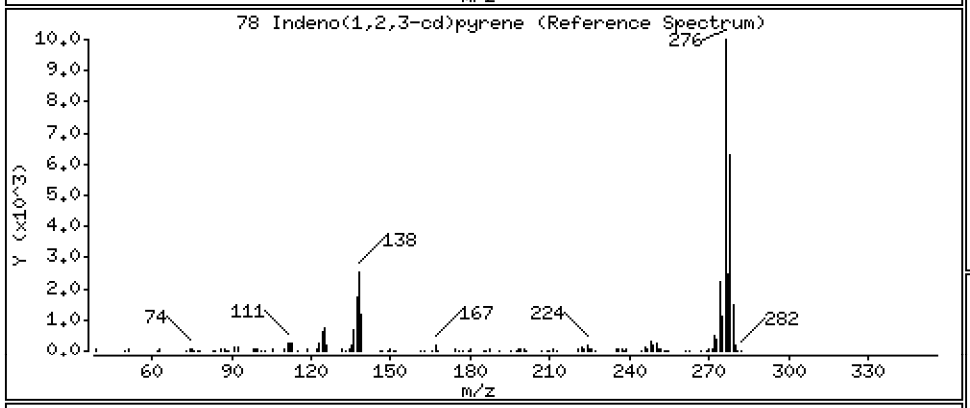
Column diameter: 0.25

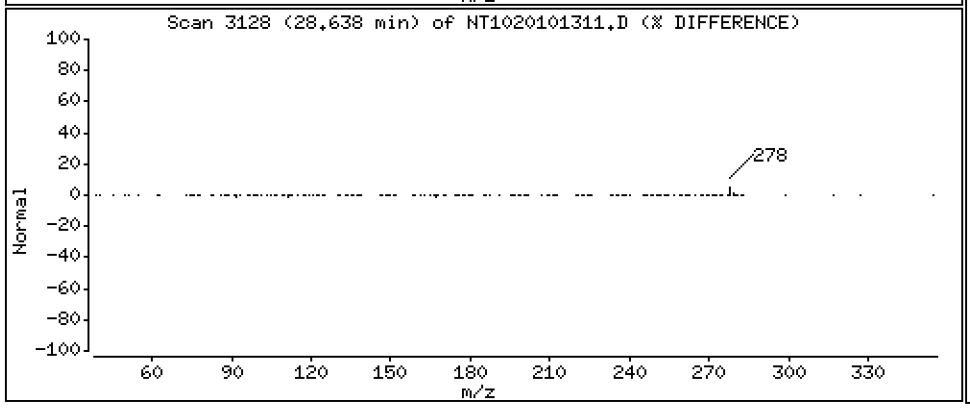
78 Indeno(1,2,3-cd)pyrene

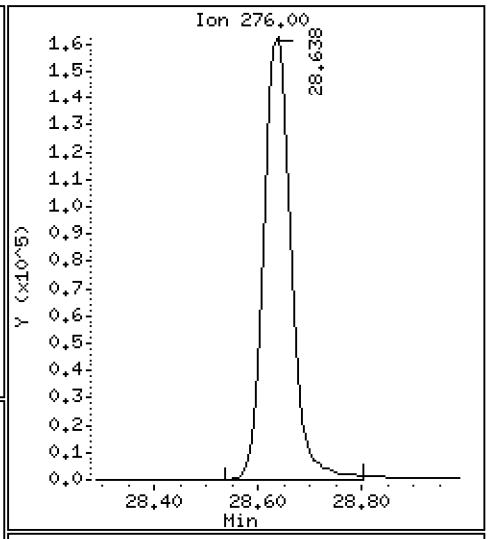
Concentration: 4.709 ug/mL

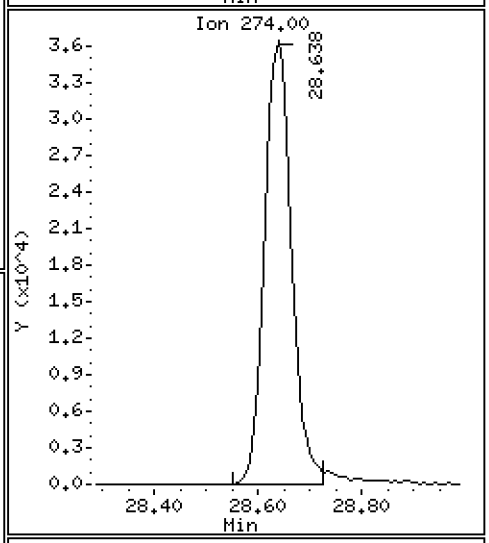


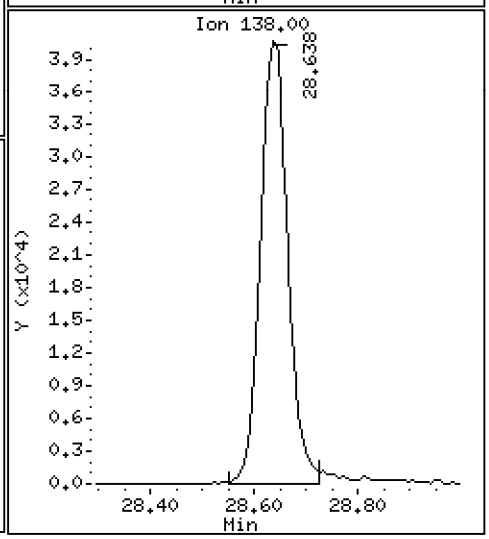












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

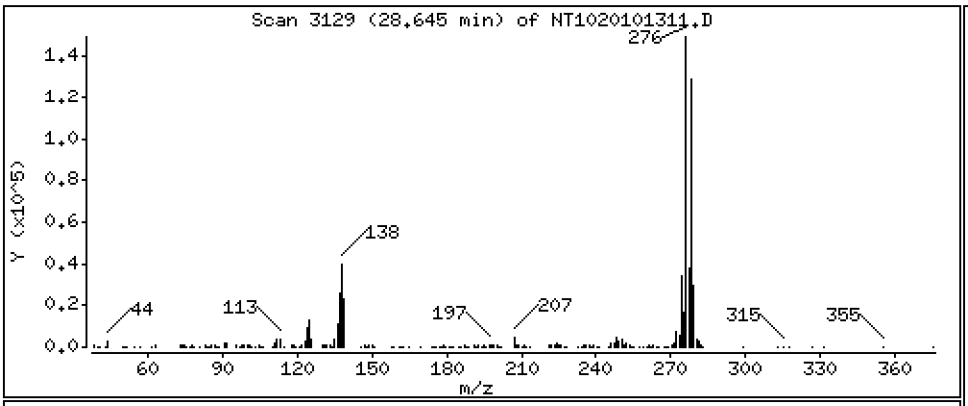
Operator: VTS

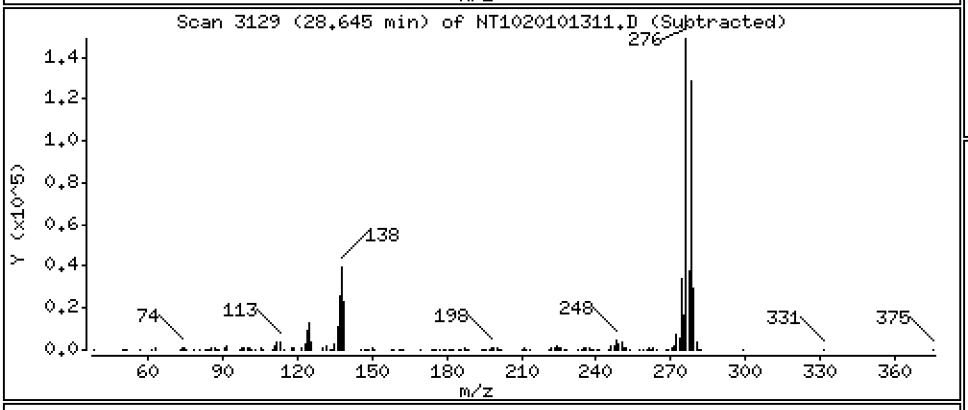
Column phase: ZB-5msi

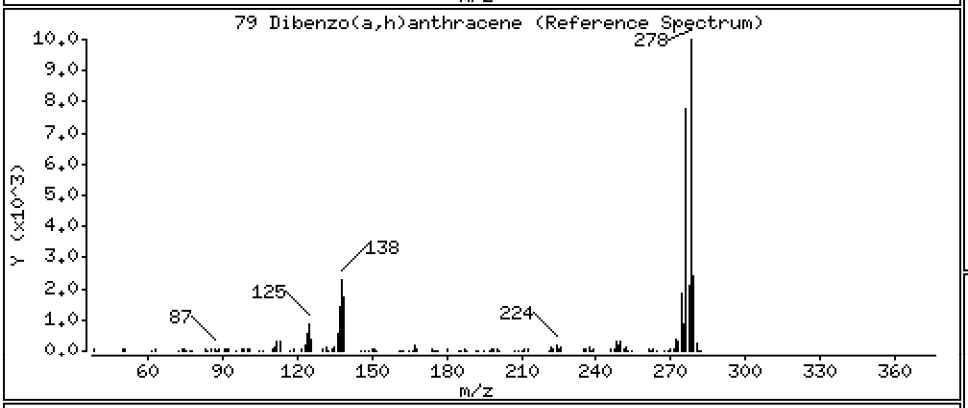
Column diameter: 0.25

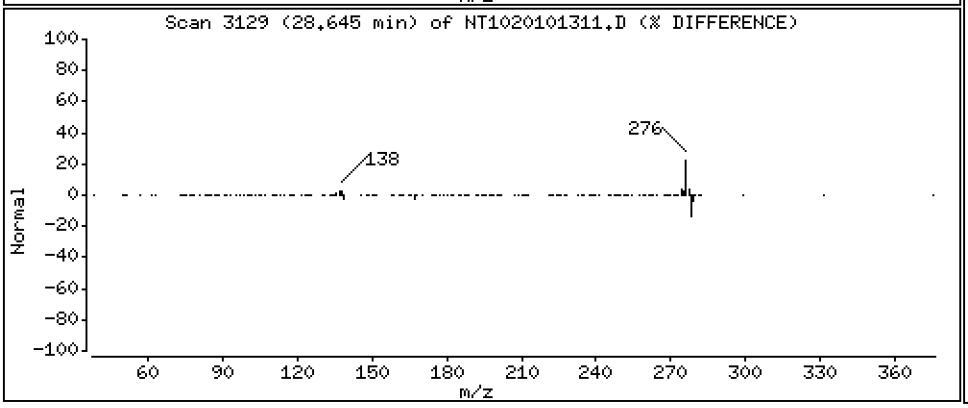
79 Dibenzo(a,h)anthracene

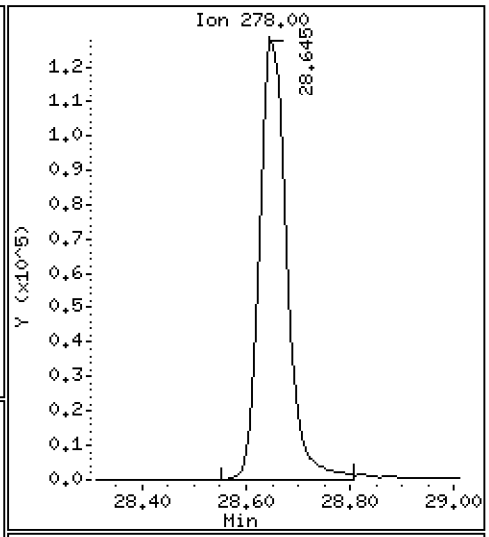
Concentration: 4.681 ug/mL

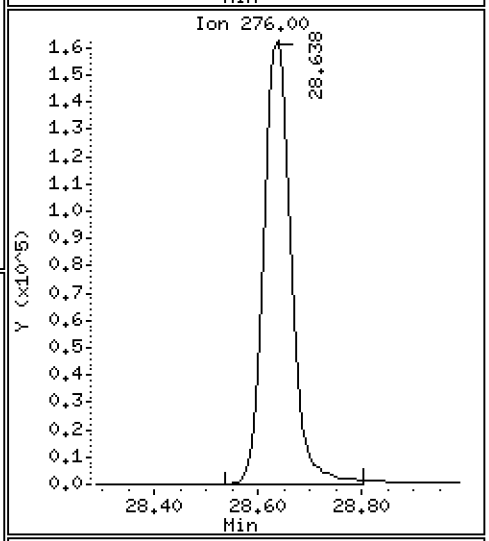


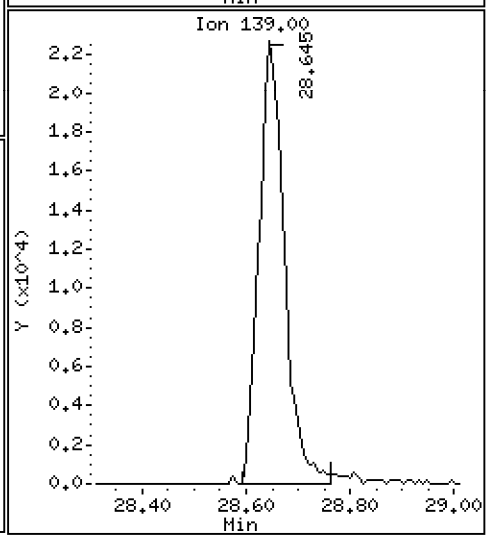












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

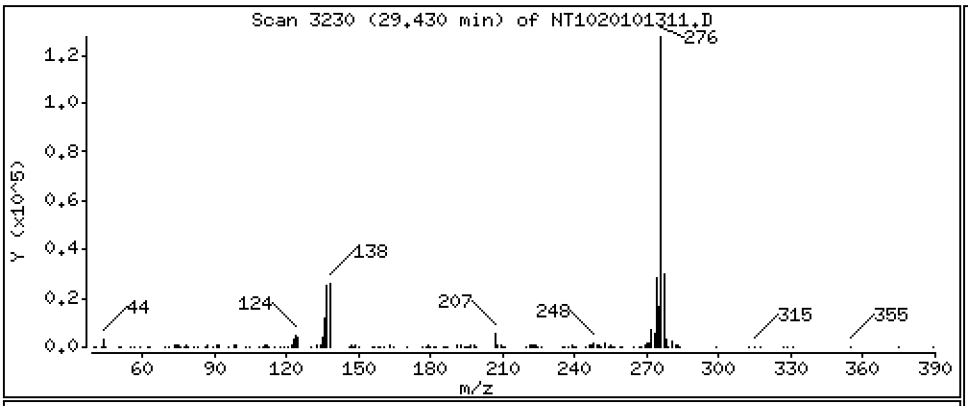
Operator: VTS

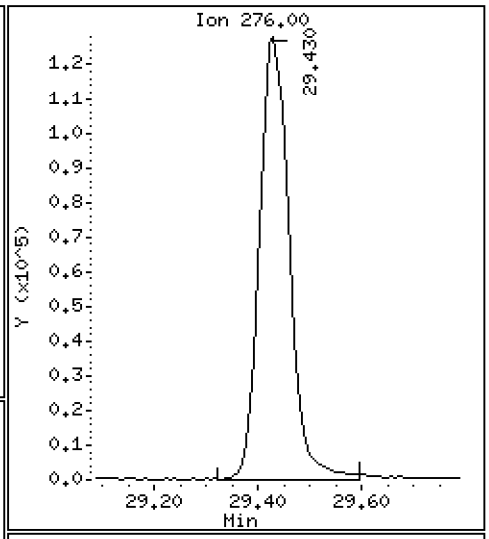
Column phase: ZB-5msi

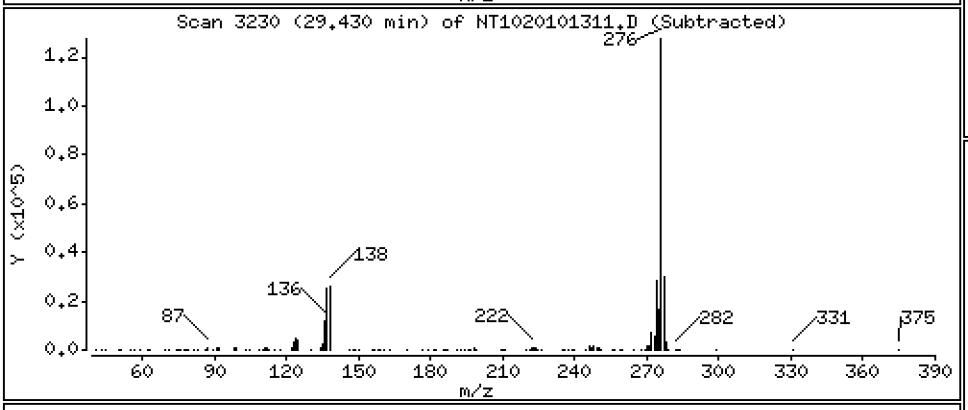
Column diameter: 0.25

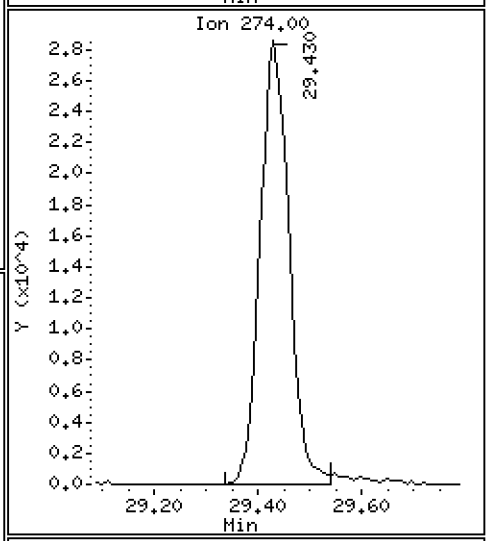
80 Benzo(g,h,i)perylene

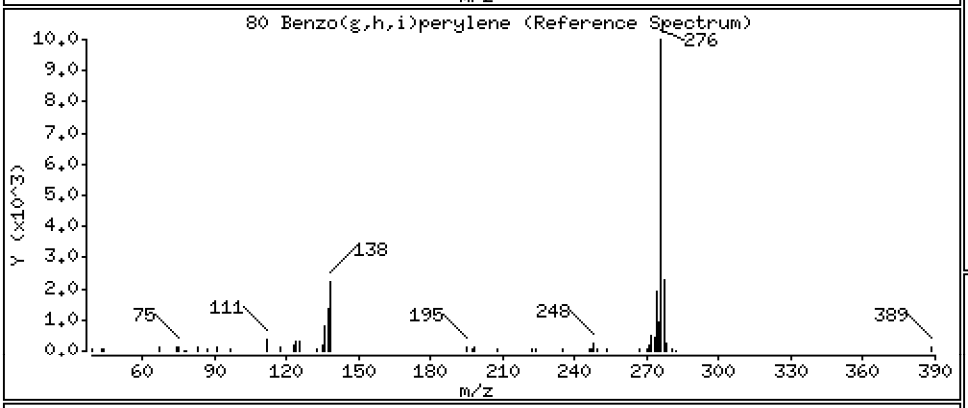
Concentration: 4.697 ug/mL

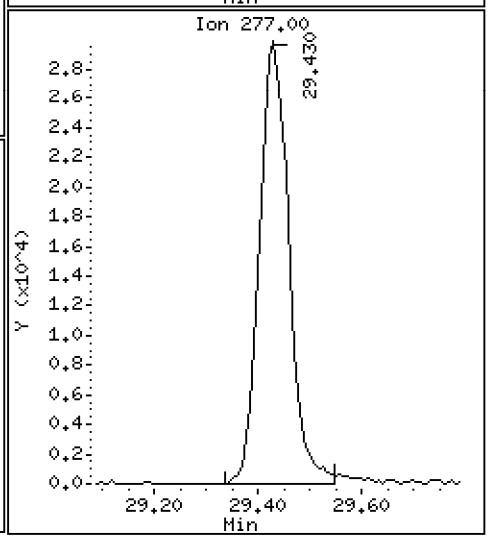


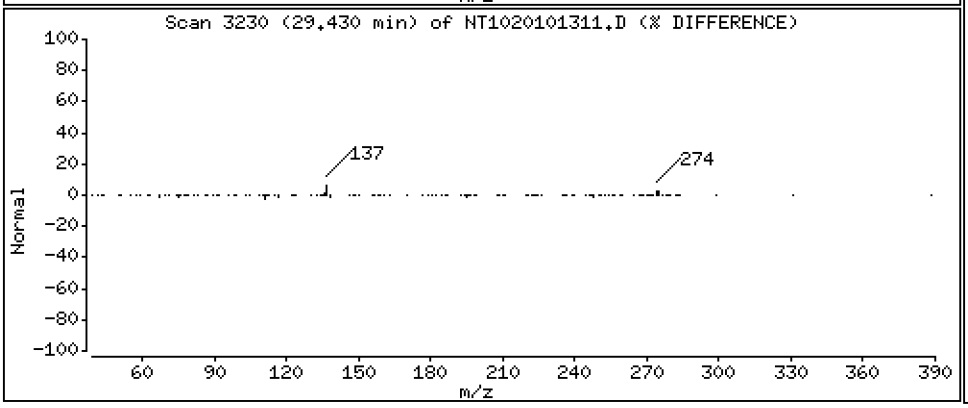












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

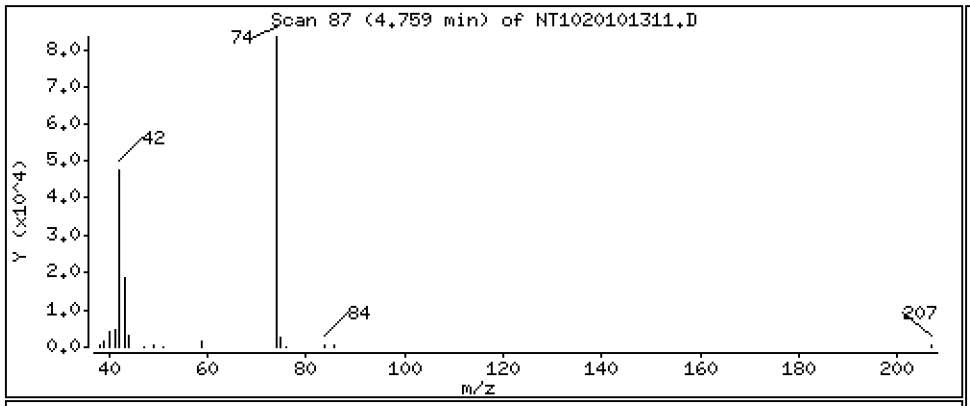
Operator: VTS

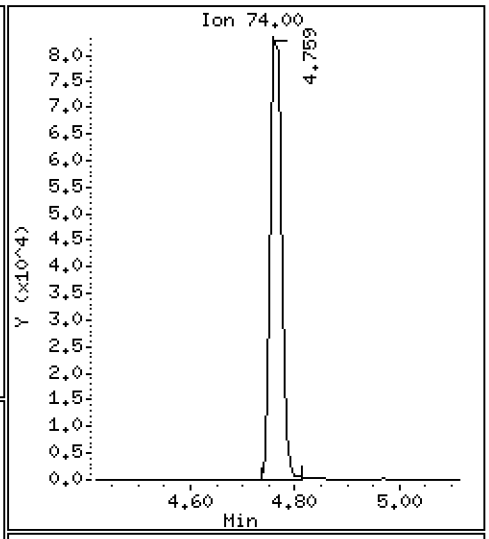
Column phase: ZB-5msi

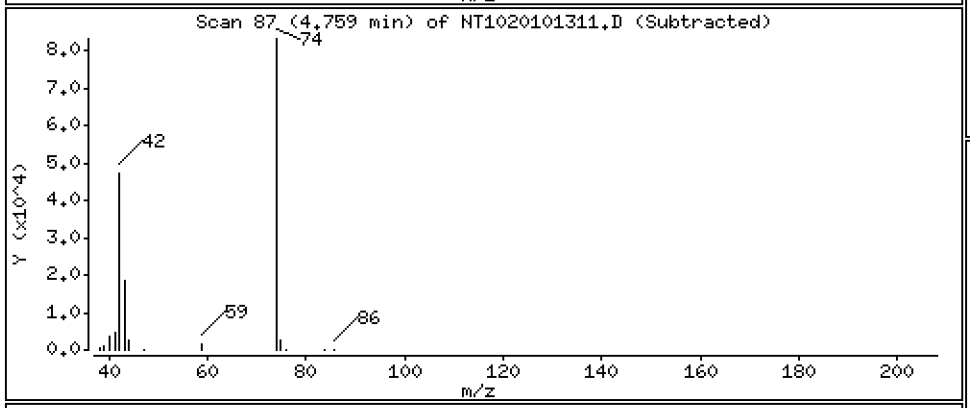
Column diameter: 0.25

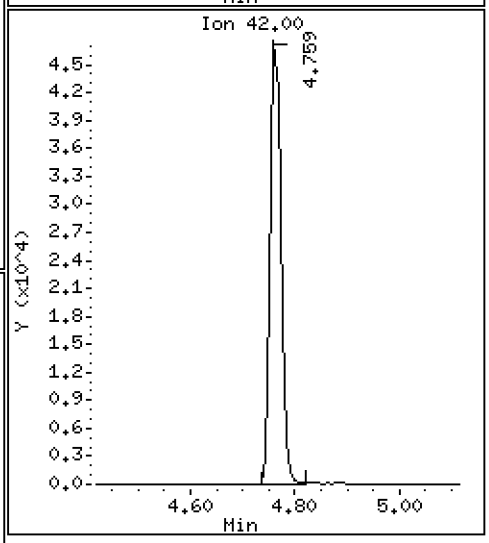
90 N-Nitrosodimethylamine

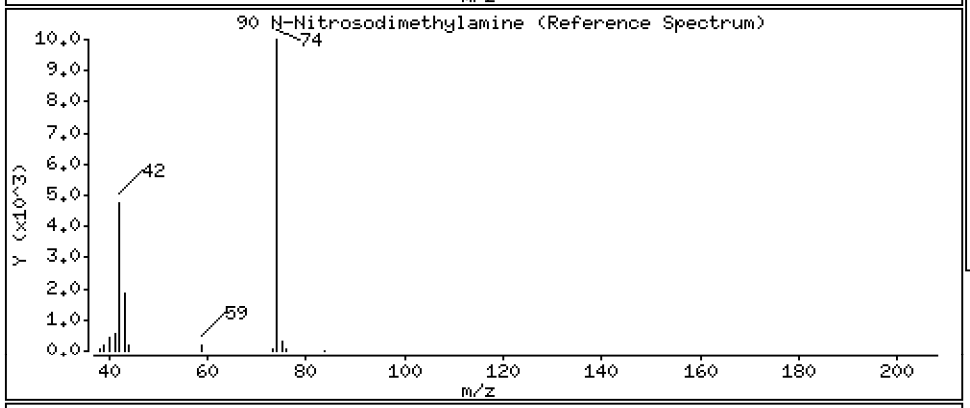
Concentration: 5.870 ug/mL

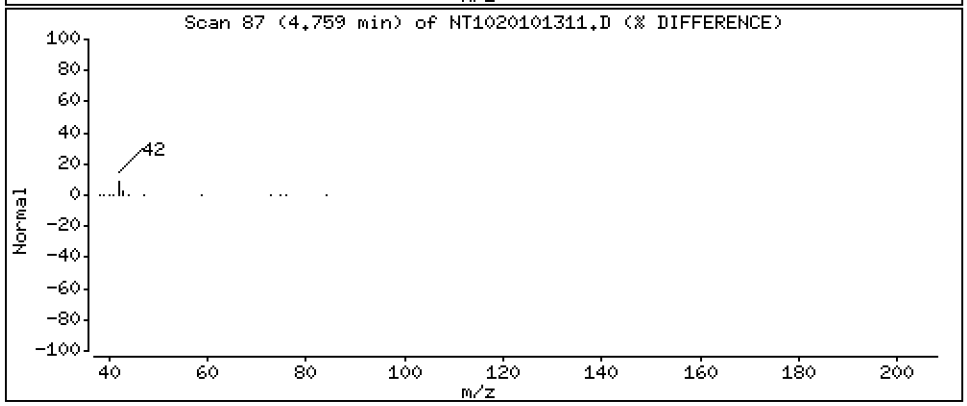












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

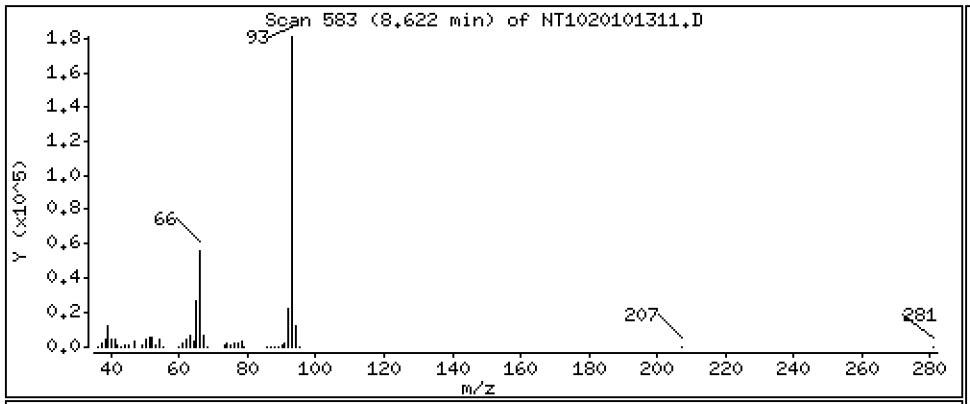
Operator: VTS

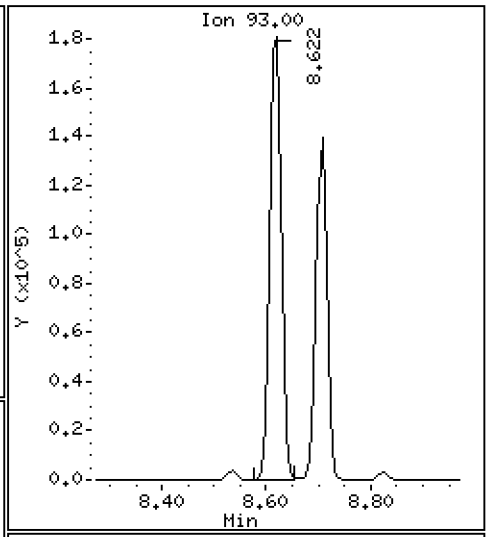
Column phase: ZB-5msi

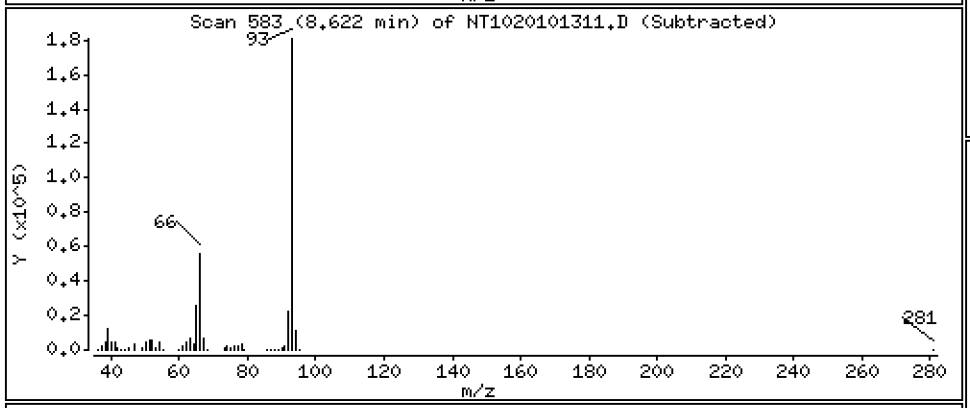
Column diameter: 0.25

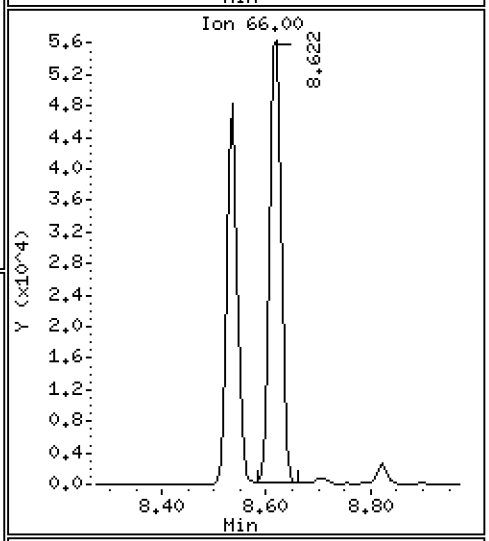
91 Aniline

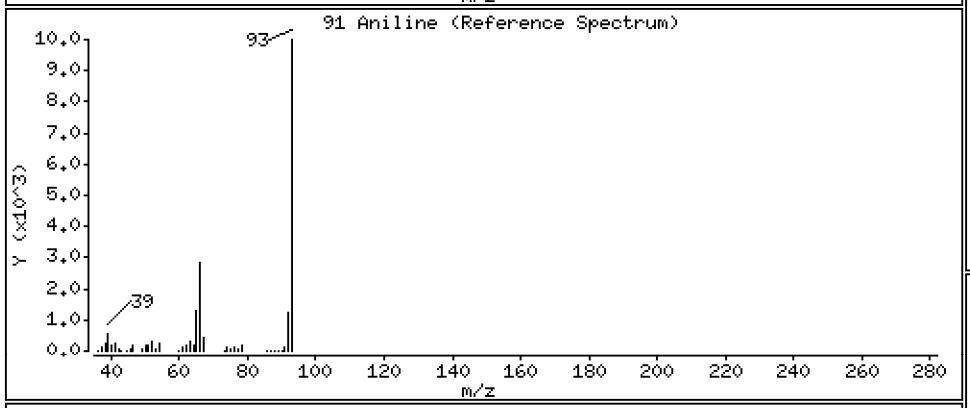
Concentration: 7.424 ug/mL

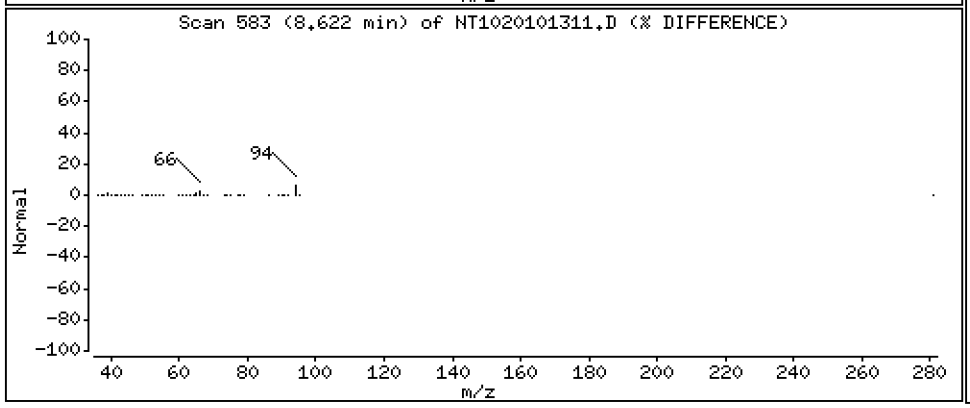


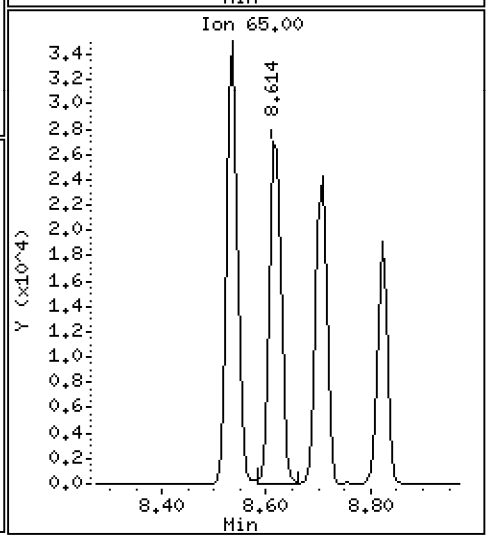












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

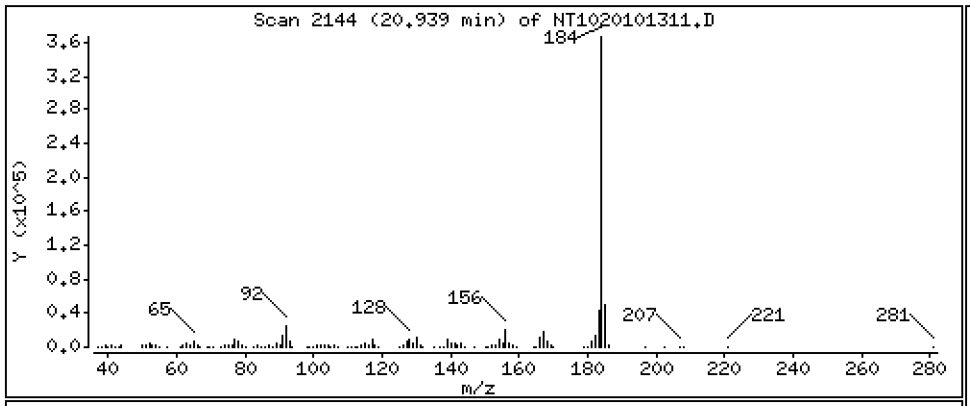
Operator: VTS

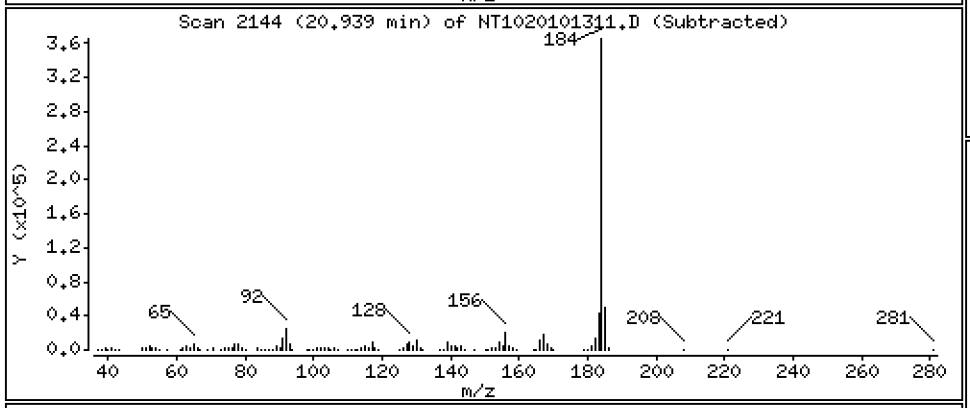
Column phase: ZB-5msi

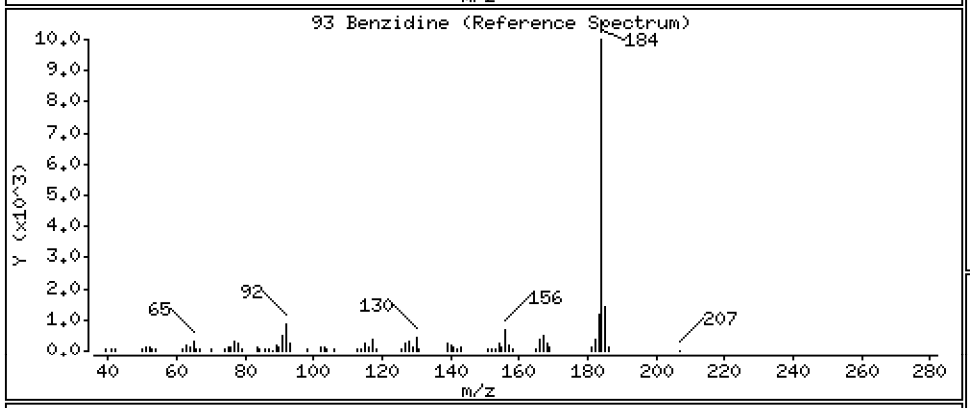
Column diameter: 0.25

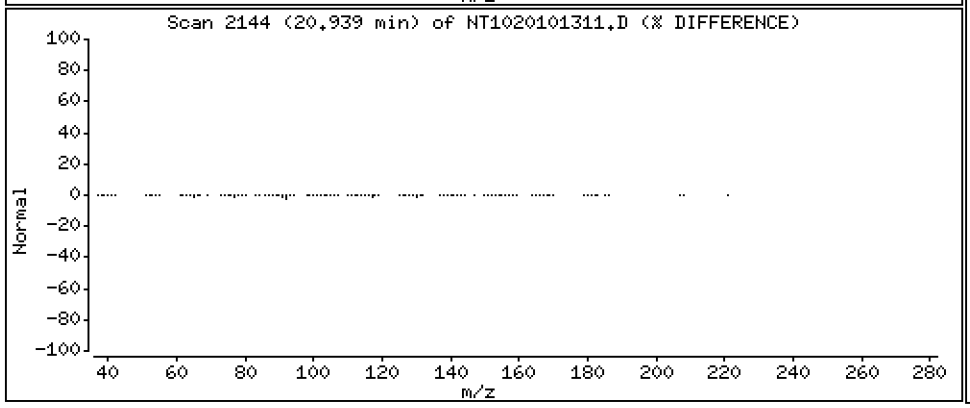
93 Benzidine

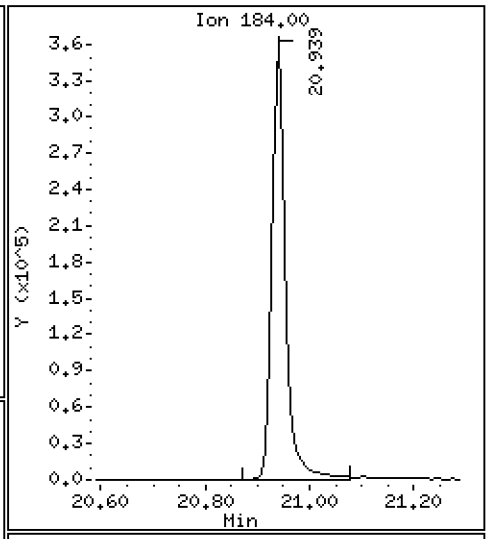
Concentration: 6.545 ug/mL

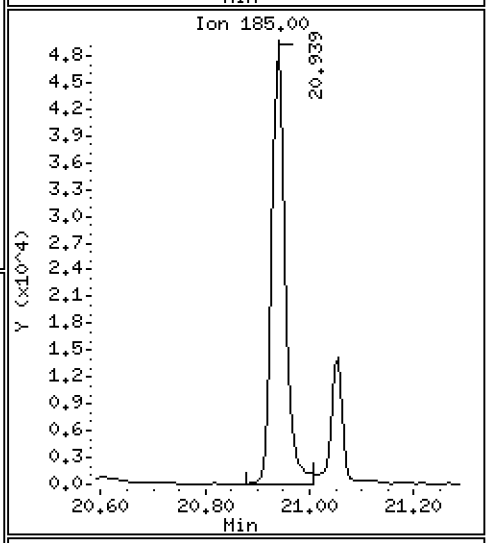


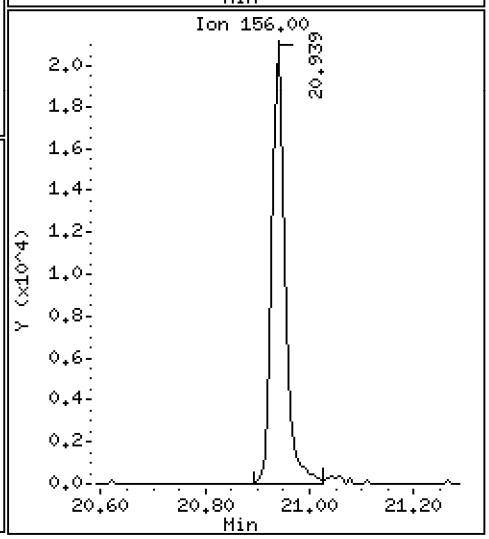












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

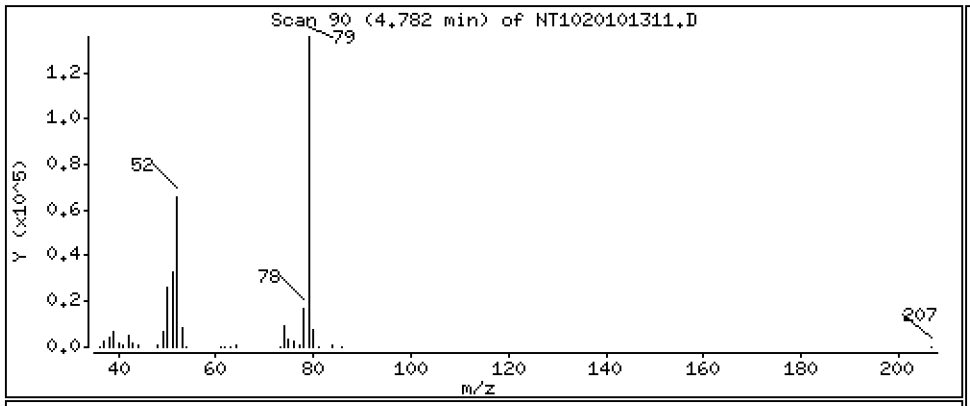
Operator: VTS

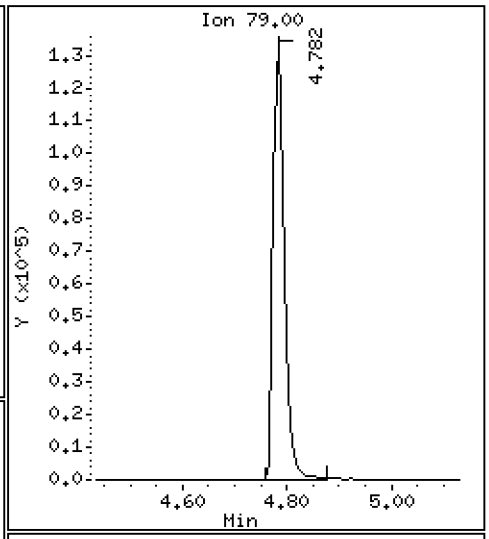
Column phase: ZB-5msi

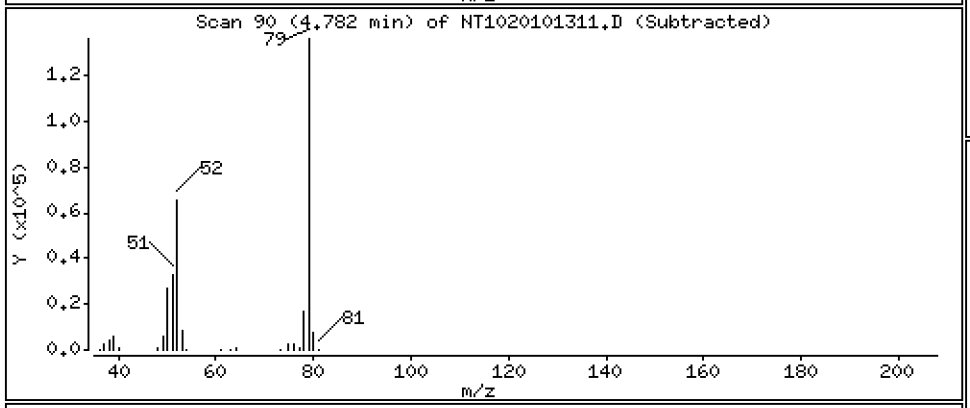
Column diameter: 0.25

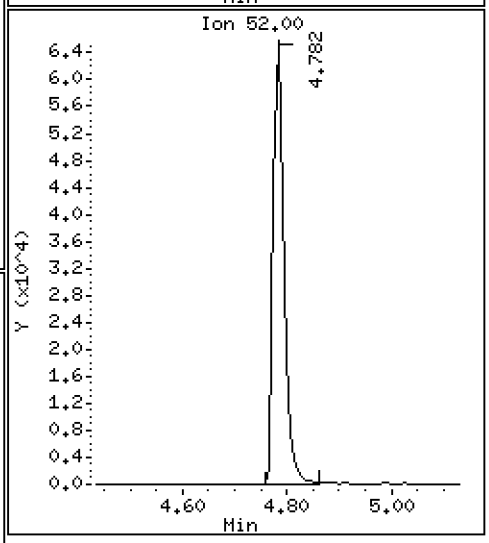
103 Pyridine

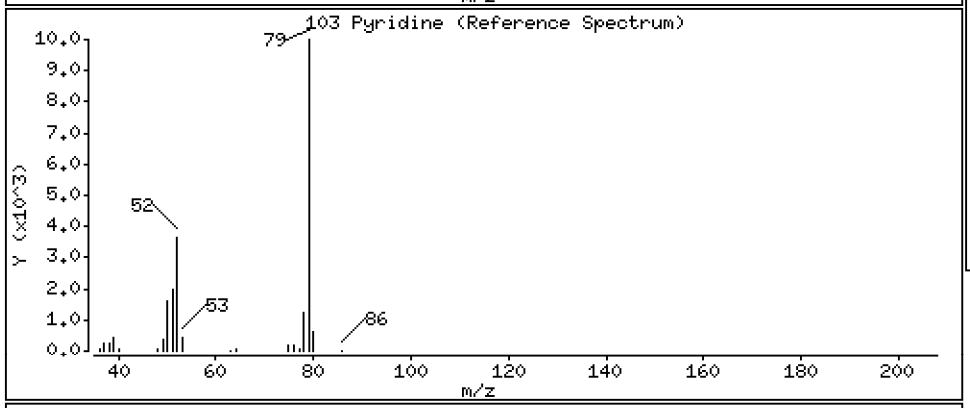
Concentration: 5.872 ug/mL

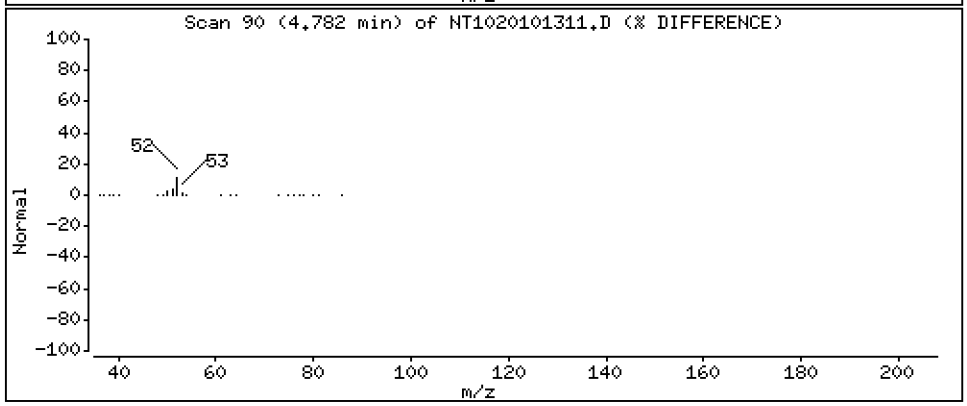












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

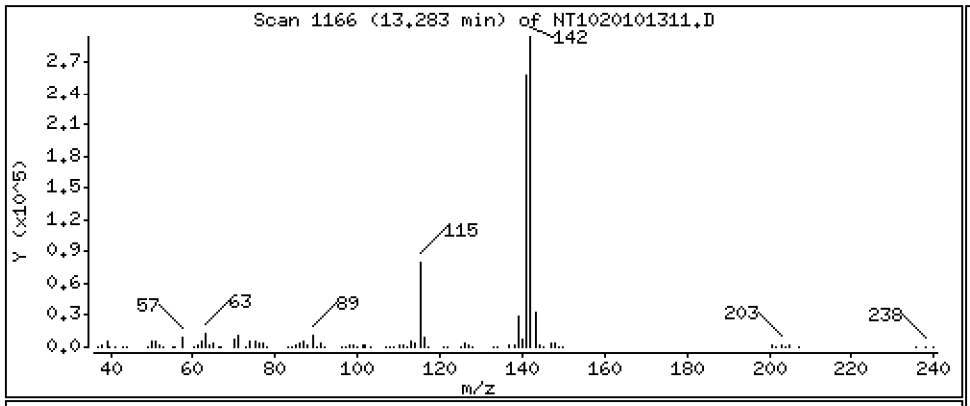
Operator: VTS

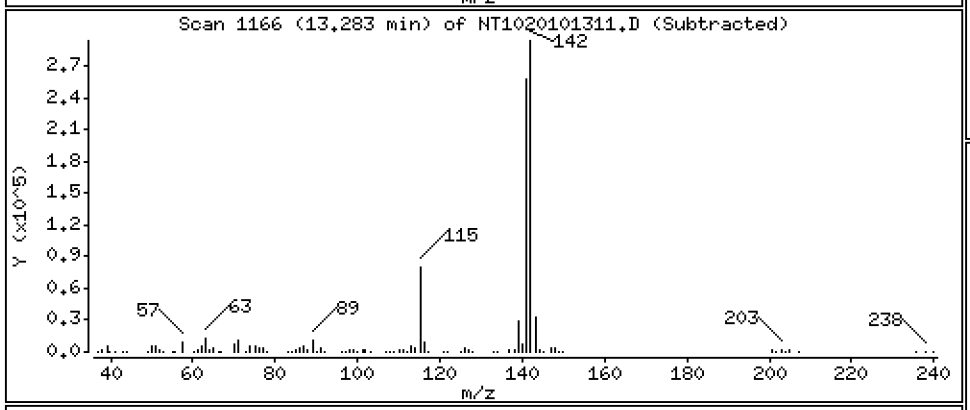
Column phase: ZB-5msi

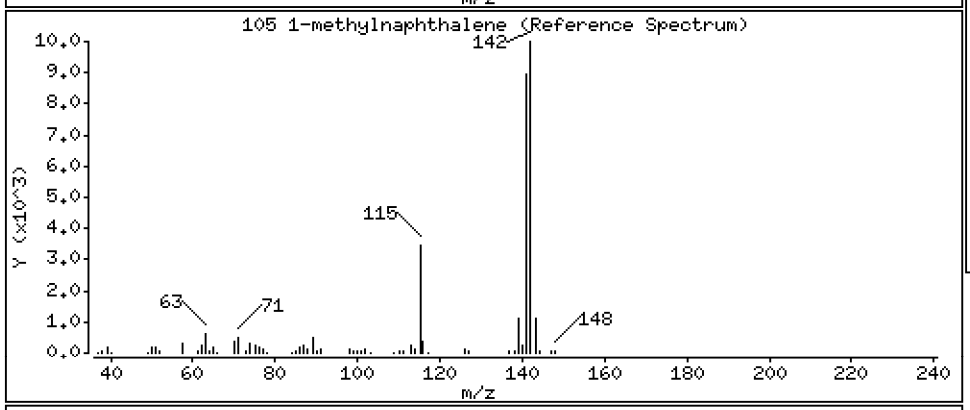
Column diameter: 0.25

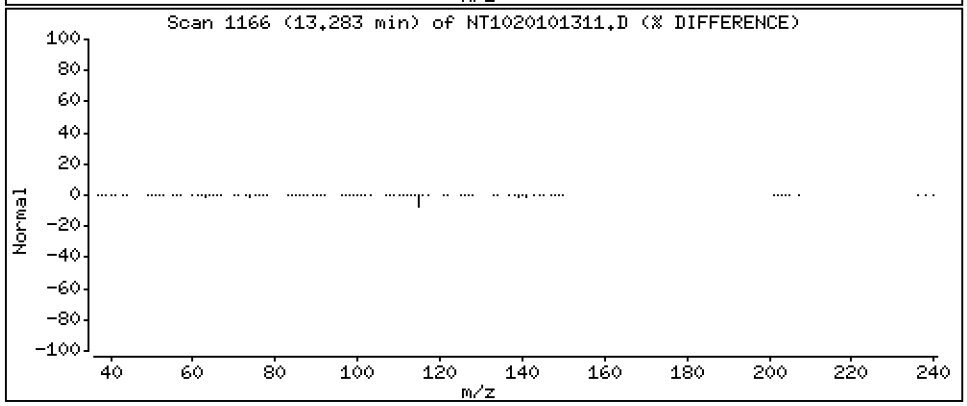
105 1-methylnaphthalene

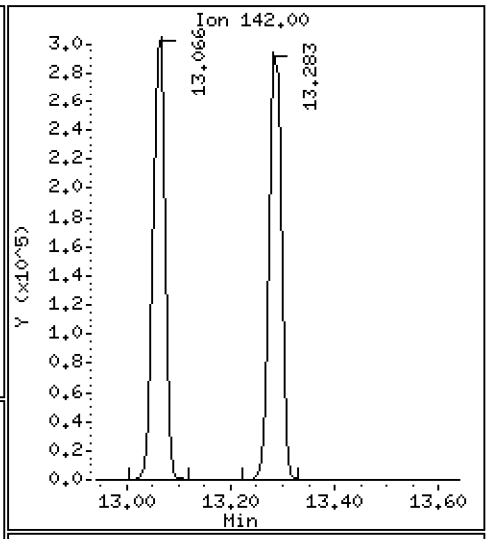
Concentration: 5.103 ug/mL

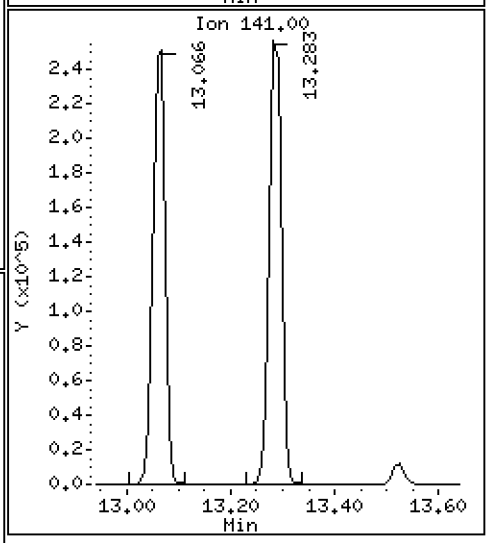












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

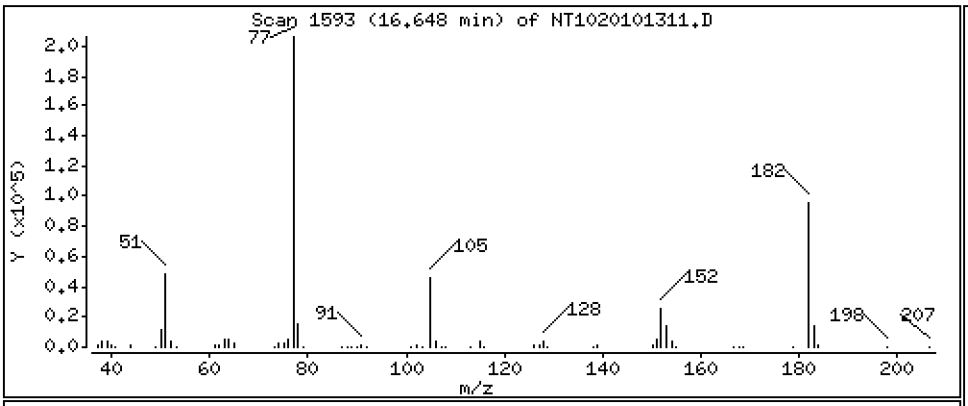
Operator: VTS

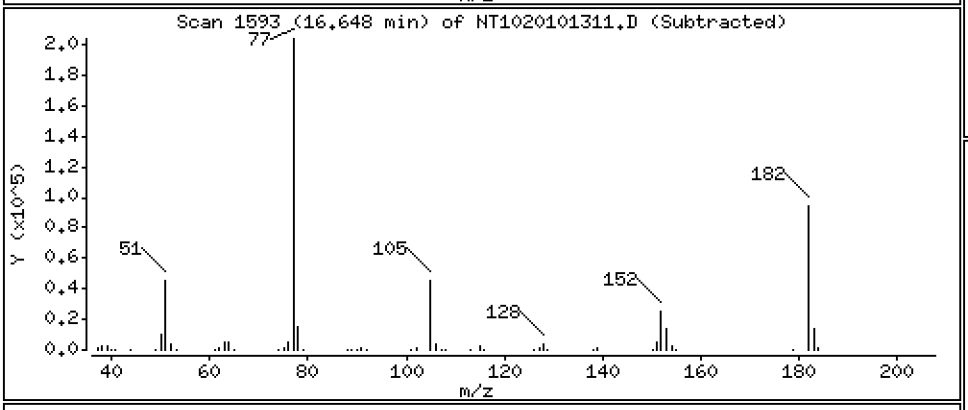
Column phase: ZB-5msi

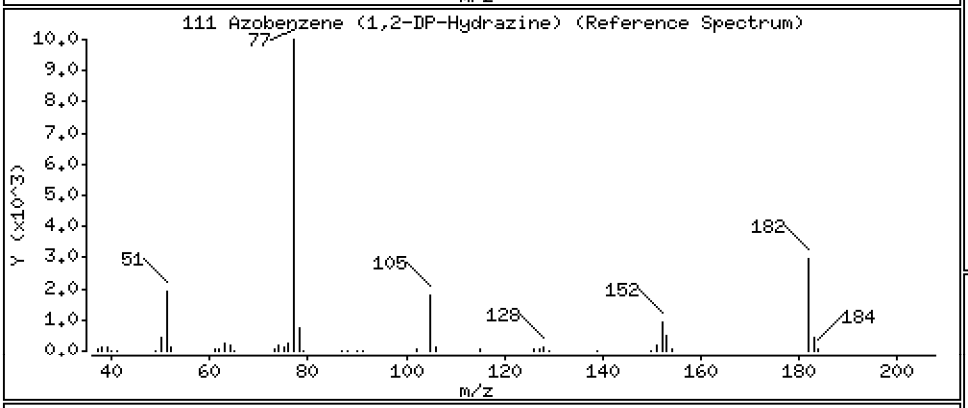
Column diameter: 0.25

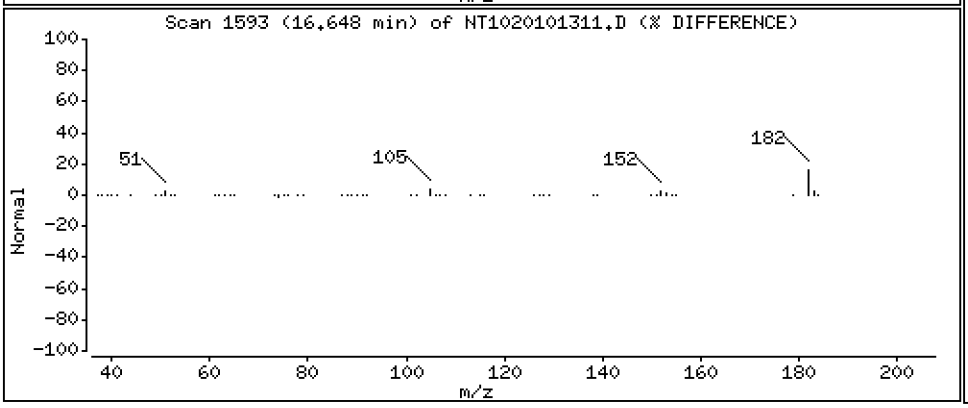
111 Azobenzene (1,2-DP-Hydrazine)

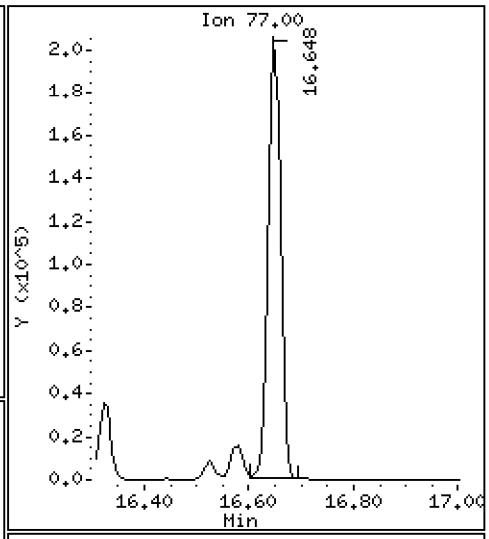
Concentration: 4.401 ug/mL

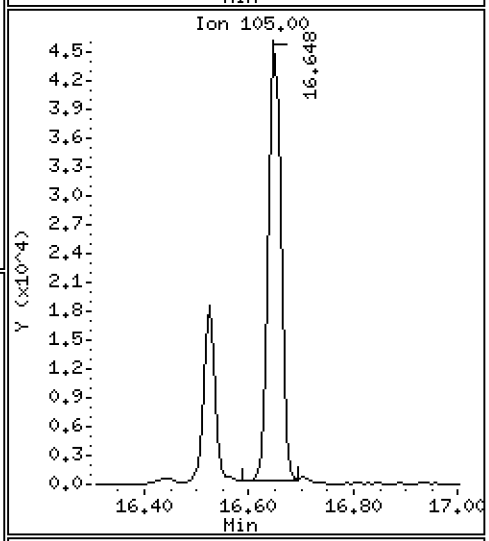


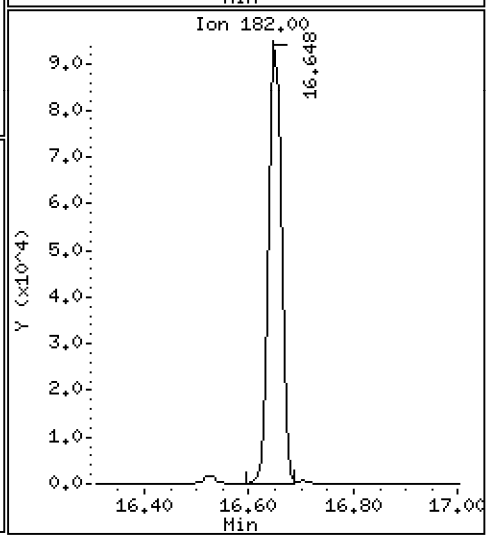












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

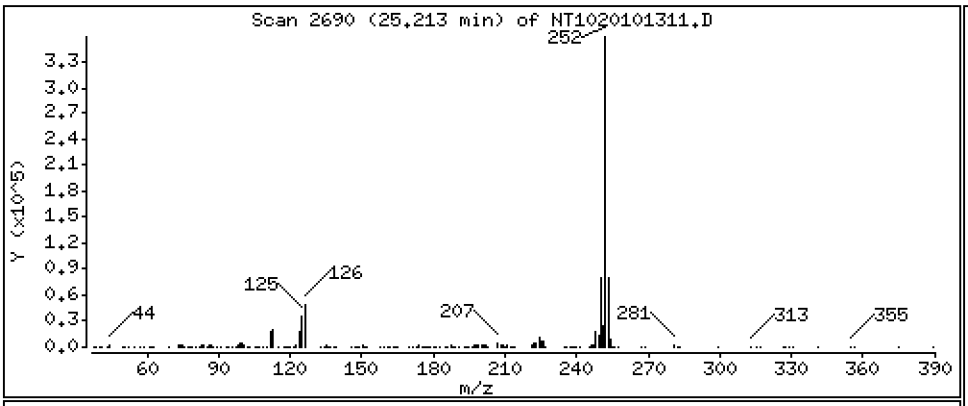
Client ID: Instrument: nt10.i

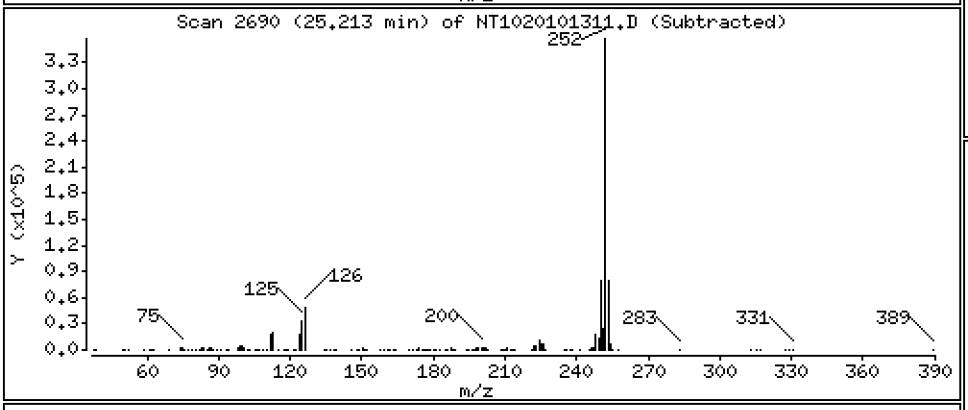
Sample Info: SIJ0179-SCV1

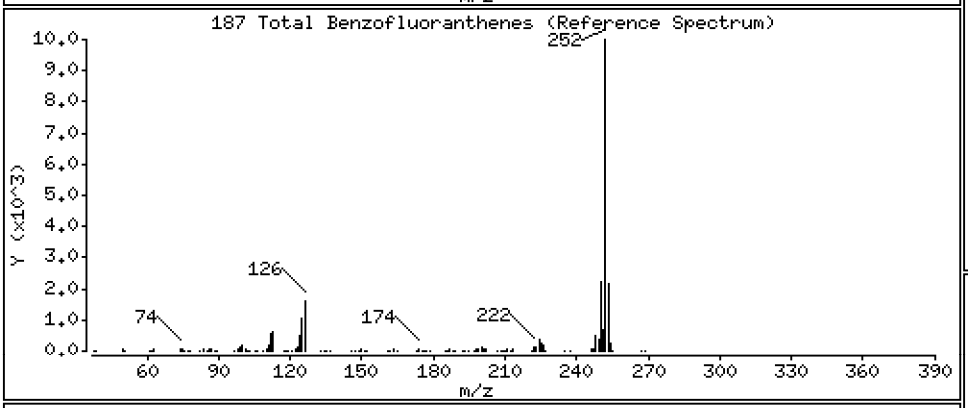
Operator: VTS

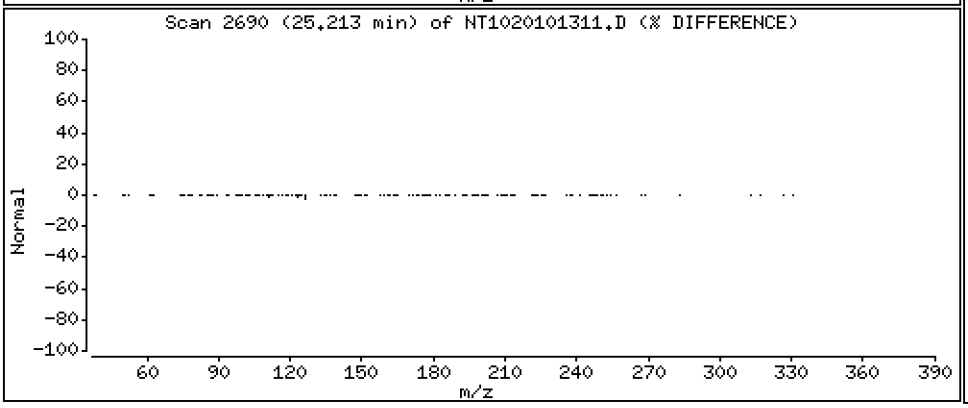
Column phase: ZB-5msi Column diameter: 0.25

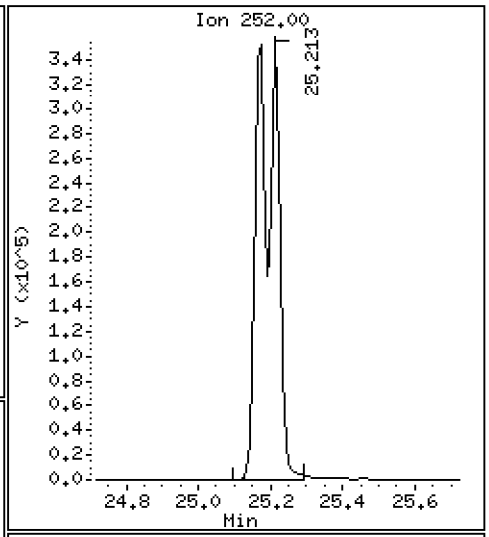
187 Total Benzofluoranthenes Concentration: 9.603 ug/mL

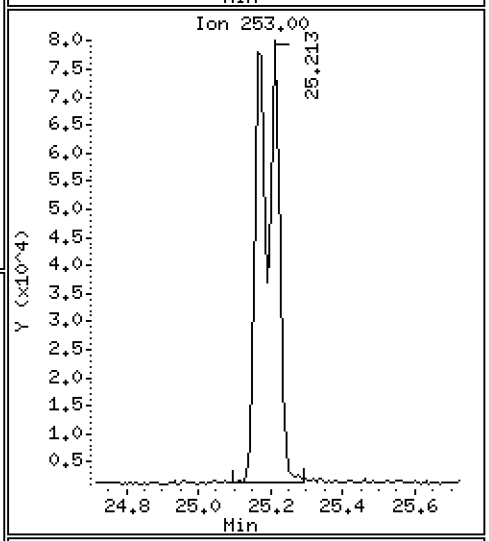


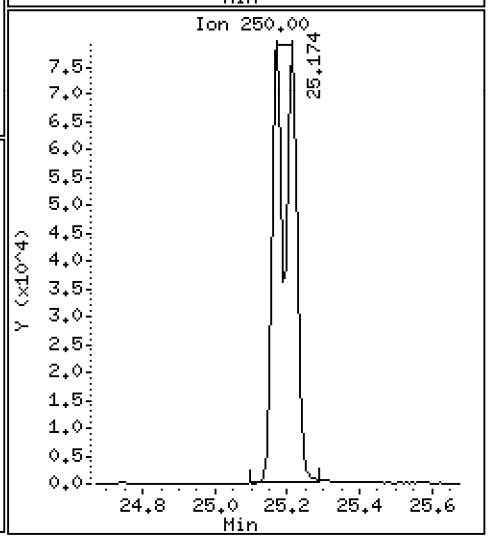












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

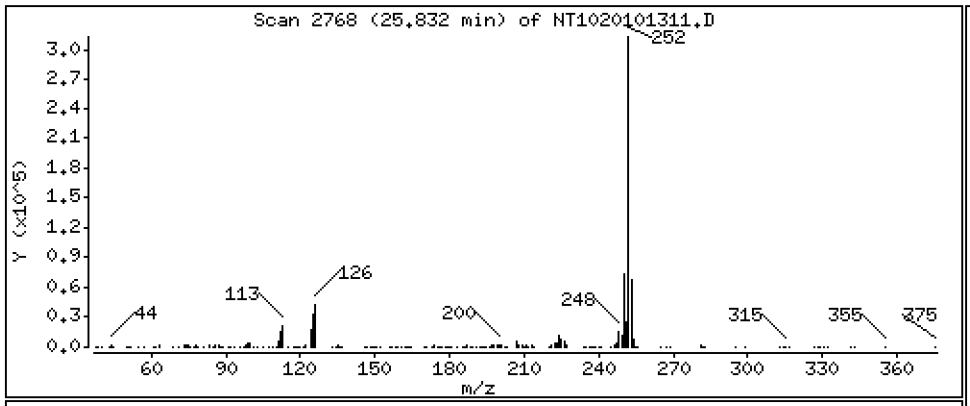
Client ID: Instrument: nt10.i

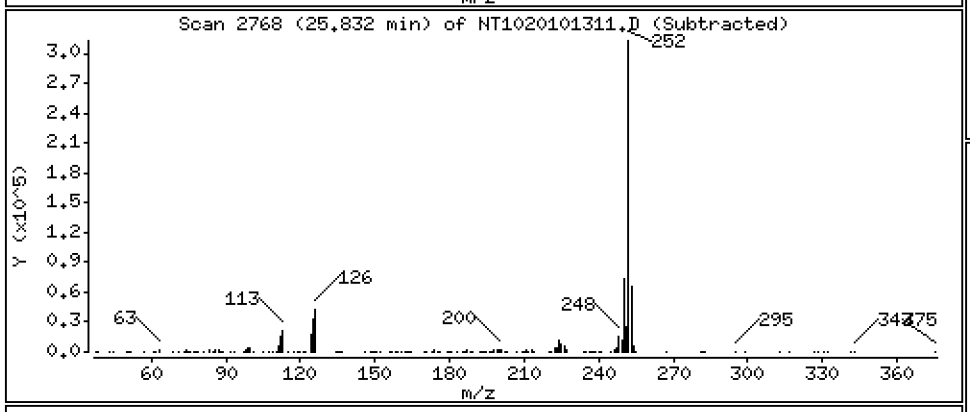
Sample Info: SIJ0179-SCV1

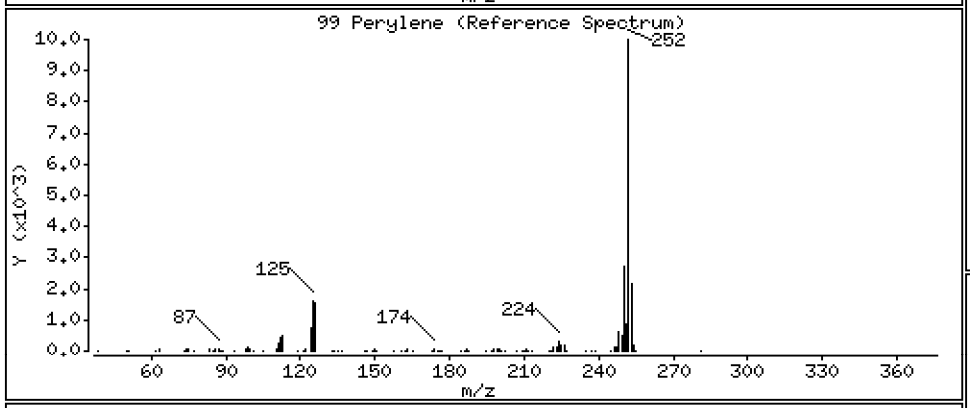
Operator: VTS

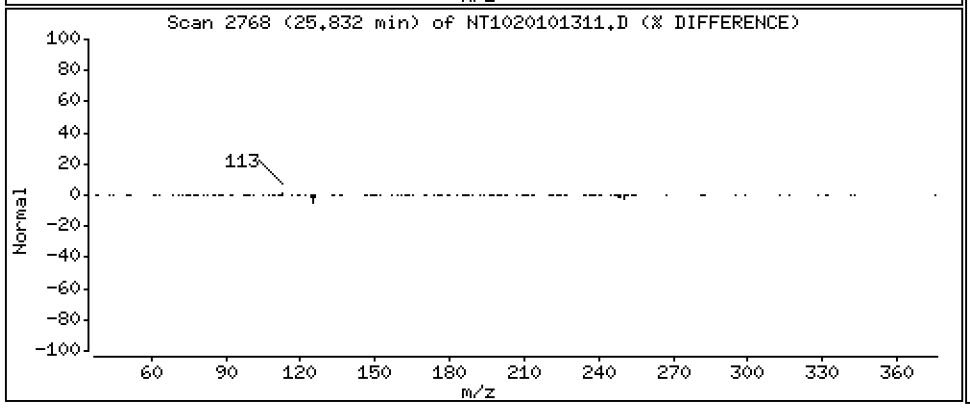
Column phase: ZB-5msi Column diameter: 0.25

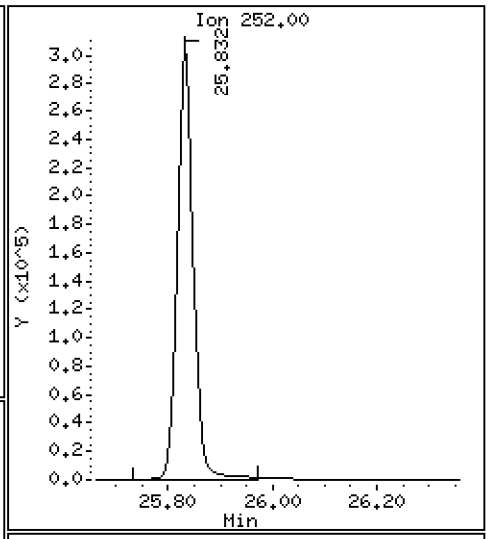
99 Perylene Concentration: 6.282 ug/mL

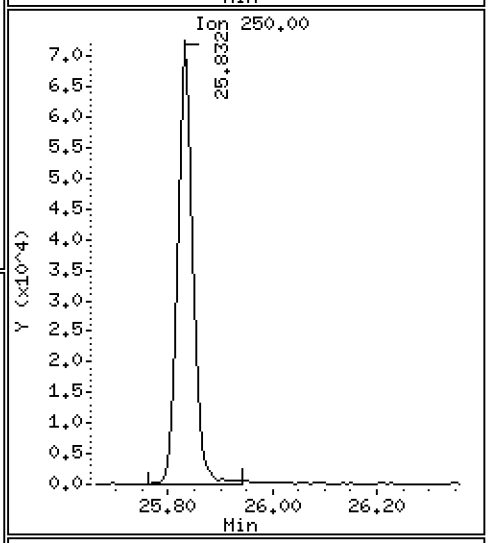


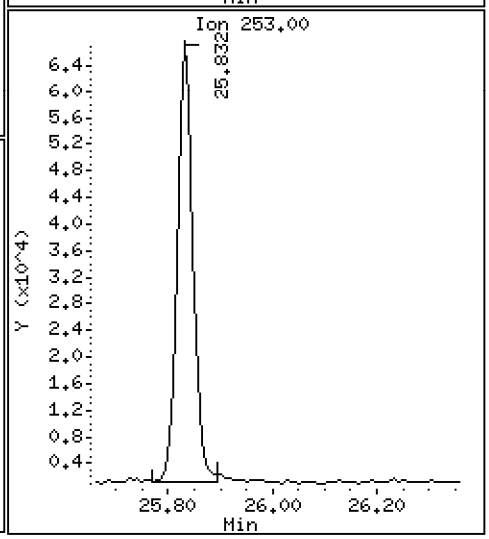












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

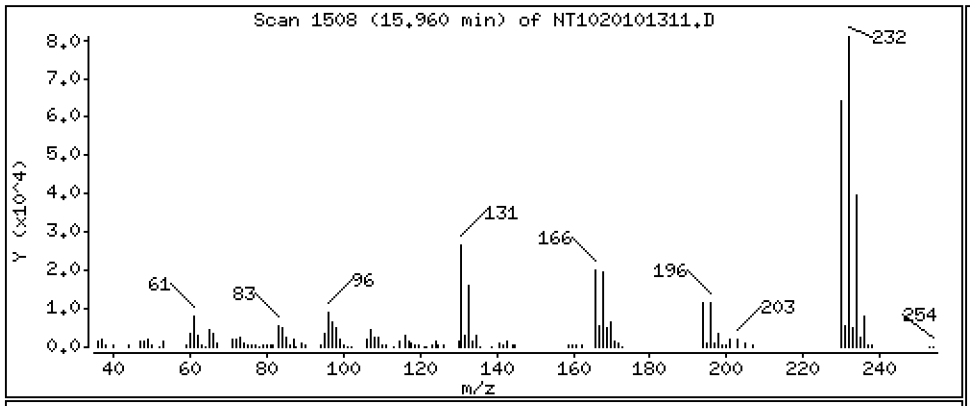
Operator: VTS

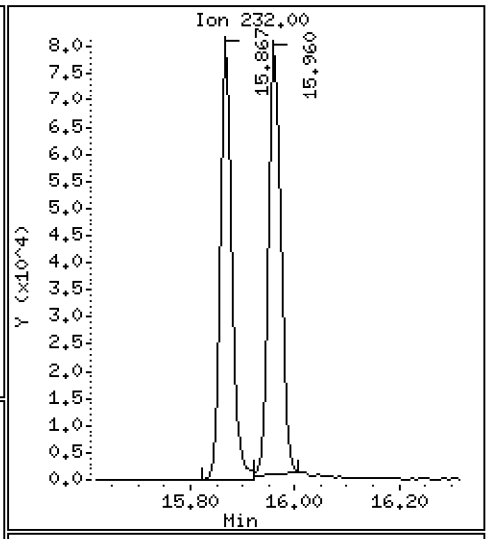
Column phase: ZB-5msi

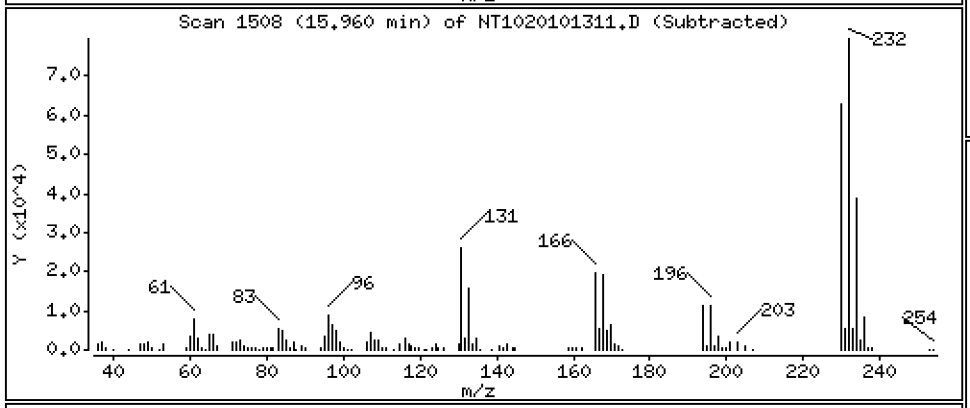
Column diameter: 0.25

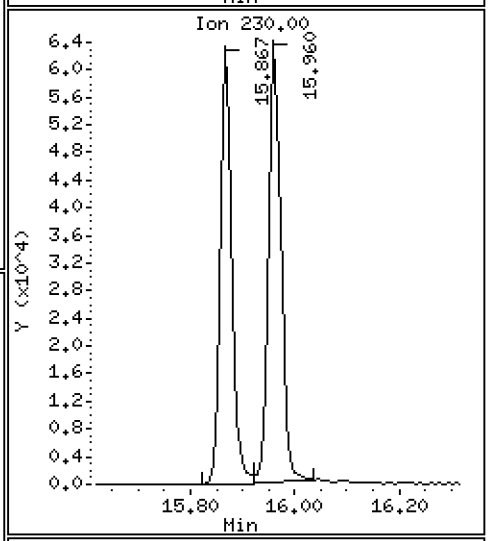
120 2,3,4,6-Tetrachlorophenol

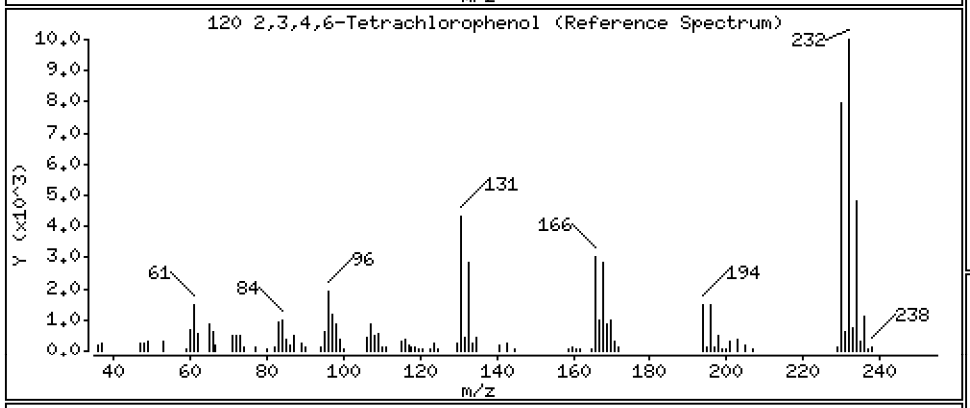
Concentration: 3.956 ug/mL

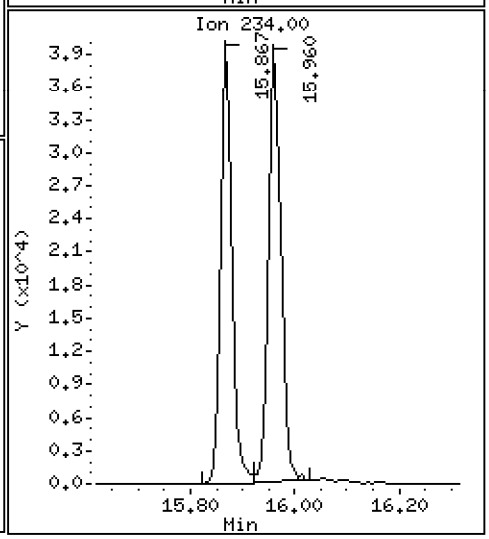


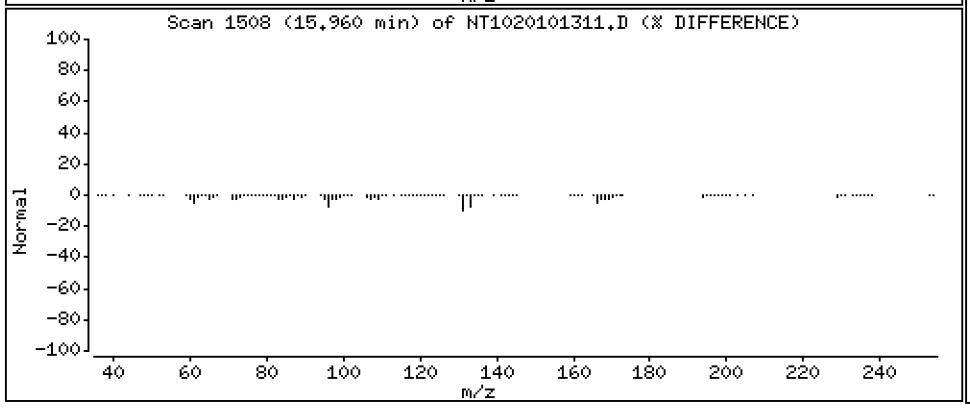












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D
Lab Smp Id: SIJ0179-SCV1
Inj Date : 13-OCT-2020 15:40
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0179-SCV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Meth Date : 14-Oct-2020 15:43 nt10.i Quant Type: ISTD
Cal Date : 13-OCT-2020 16:56 Cal File: NT1020101313.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1	2-Fluorophenol	112	Compound Not Detected.					
$ 2	Phenol-d5	99	Compound Not Detected.					
3	Phenol	94	8.537	8.536	(0.932)	239723	5.12693	5.127
$ 5	2-Chlorophenol-d4	132	Compound Not Detected.					
4	Bis(2-Chloroethyl)ether	93	8.706	8.706	(0.951)	189152	4.91990	4.920
6	2-Chlorophenol	128	8.822	8.822	(0.964)	225134	4.92140	4.921
7	1,3-Dichlorobenzene	146	9.093	9.093	(0.993)	243824	4.57909	4.579
* 8	1,4-Dichlorobenzene-d4	152	9.155	9.163	(1.000)	124685	4.00000	
9	1,4-Dichlorobenzene	146	9.186	9.186	(1.003)	204109	4.55897	4.559
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
12	1,2-Dichlorobenzene	146	9.543	9.543	(1.042)	205007	4.33474	4.335
11	Benzyl alcohol	108	9.427	9.427	(1.030)	108796	4.42357	4.424
14	2,2'-oxybis(1-Chloropropane)	121	9.730	9.722	(1.063)	63494	4.44035	4.440
13	2-Methylphenol	108	9.644	9.644	(1.053)	144731	4.57228	4.572
17	Hexachloroethane	117	10.126	10.133	(1.106)	78366	4.53801	4.538
16	N-Nitroso-di-n-propylamine	70	9.986	9.986	(1.091)	94242	4.70961	4.710
15	4-Methylphenol	108	9.924	9.916	(1.084)	159440	4.72735	4.727
$ 18	Nitrobenzene-d5	82	Compound Not Detected.					
19	Nitrobenzene	77	10.289	10.288	(0.884)	147879	4.49992	4.500
20	Isophorone	82	10.731	10.731	(0.922)	323475	4.75917	4.759
21	2-Nitrophenol	139	10.919	10.918	(0.938)	129462	4.96726	4.967
22	2,4-Dimethylphenol	107	10.961	10.961	(0.942)	151862	4.63642	4.636
23	Bis(2-Chloroethoxy)methane	93	11.156	11.156	(0.959)	176346	4.75670	4.757
24	Benzoic acid	105	11.114	11.148	(0.955)	154334	7.18267	7.183
25	2,4-Dichlorophenol	162	11.360	11.360	(0.976)	208129	5.39255	5.393
26	1,2,4-Trichlorobenzene	180	11.542	11.550	(0.992)	189474	4.48174	4.482
* 27	Naphthalene-d8	136	11.635	11.635	(1.000)	408464	4.00000	
28	Naphthalene	128	11.674	11.673	(1.003)	487994	4.72804	4.728
29	4-Chloroaniline	127	11.812	11.812	(1.015)	226573	4.94535	4.945
30	Hexachlorobutadiene	225	12.029	12.029	(1.034)	118961	4.73357	4.734
31	4-Chloro-3-methylphenol	107	12.756	12.756	(1.096)	162416	5.03170	5.032
32	2-Methylnaphthalene	142	13.066	13.066	(1.123)	465845	4.90936	4.909
33	Hexachlorocyclopentadiene	237	13.523	13.522	(0.888)	185549	5.61053	5.611

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.677	13.685	(0.898)	154382	5.17562	5.176
	35 2,4,5-Trichlorophenol	196	13.755	13.754	(0.903)	167288	5.06216	5.062
$	36 2-Fluorobiphenyl	172	Compound Not Detected.					
	37 2-Chloronaphthalene	162	14.049	14.056	(0.922)	454319	4.78328	4.783
	38 2-Nitroaniline	65	14.320	14.319	(0.940)	85577	5.32550	5.326
	39 Dimethylphthalate	163	14.745	14.745	(0.968)	437419	4.79646	4.796
	40 Acenaphthylene	152	14.923	14.923	(0.980)	614128	4.09626	4.096
	41 2,6-Dinitrotoluene	165	14.893	14.892	(0.978)	102487	4.87251	4.873
*	42 Acenaphthene-d10	164	15.233	15.232	(1.000)	233555	4.00000	
	43 3-Nitroaniline	138	15.171	15.171	(0.996)	118602	5.16678	5.167
	44 Acenaphthene	153	15.302	15.302	(1.005)	342691	4.52257	4.523
	45 2,4-Dinitrophenol	184	15.380	15.387	(1.010)	39380	2.53932	2.539
	46 Dibenzofuran	168	15.627	15.627	(1.026)	577446	4.86591	4.866
	47 4-Nitrophenol	109	15.488	15.488	(1.017)	31543	4.45129	4.451
	48 2,4-Dinitrotoluene	165	15.689	15.696	(1.030)	136471	4.91219	4.912
	50 Diethylphthalate	149	16.191	16.199	(1.063)	380738	4.69346	4.693
	49 Fluorene	166	16.338	16.338	(1.073)	427552	4.39016	4.390
	51 4-Chlorophenyl-phenylether	204	16.323	16.330	(1.072)	234870	4.64887	4.649
	52 4-Nitroaniline	138	16.439	16.446	(1.079)	140766	4.93382	4.934
	53 4,6-Dinitro-2-methylphenol	198	16.524	16.531	(0.905)	104334	5.02340	5.023
	54 N-Nitrosodiphenylamine	169	16.578	16.577	(0.908)	367194	6.35390	6.354
$	55 2,4,6-Tribromophenol	330	16.709	16.870	(1.097)	352	0.01786	0.01786
	56 4-Bromophenyl-phenylether	248	17.326	17.325	(0.949)	220844	4.86385	4.864
	57 Hexachlorobenzene	284	17.642	17.642	(0.966)	205230	4.50463	4.505
	58 Pentachlorophenol	266	17.999	17.998	(0.986)	84714	4.28883	4.289
*	59 Phenanthrene-d10	188	18.262	18.261	(1.000)	450104	4.00000	
	60 Phenanthrene	178	18.316	18.315	(1.003)	584403	4.92739	4.927
	61 Anthracene	178	18.409	18.408	(1.008)	616939	4.79375	4.794
	62 Carbazole	167	18.741	18.741	(1.026)	649242	5.03614	5.036
	63 Di-n-butylphthalate	149	19.531	19.530	(1.069)	760237	4.79975	4.800
	64 Fluoranthene	202	20.691	20.691	(0.888)	837101	4.69282	4.693
	65 Pyrene	202	21.117	21.116	(0.906)	885552	4.80208	4.802
$	66 Terphenyl-d14	244	Compound Not Detected.					
	67 Butylbenzylphthalate	149	22.324	22.324	(0.958)	281238	4.87635	4.876
	68 Benzo(a)anthracene	228	23.277	23.276	(0.999)	723014	4.68297	4.683
*	69 Chrysene-d12	240	23.308	23.307	(1.000)	387287	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.238	23.238	(0.997)	619922	10.2443	10.24
	71 Chrysene	228	23.346	23.346	(1.002)	570134	4.83819	4.838
	72 bis(2-Ethylhexyl)phthalate	149	23.346	23.346	(0.959)	322075	4.94259	4.943
*	134 Di-n-octylphthalate-d4	153	24.337	24.337	(1.000)	551837	4.00000	
	73 Di-n-octylphthalate	149	24.345	24.345	(1.000)	694322	4.79490	4.795
	74 Benzo(b)fluoranthene	252	25.173	25.173	(0.970)	687971	4.75875	4.759
	75 Benzo(k)fluoranthene	252	25.212	25.220	(0.972)	752505	4.98005	4.980
	76 Benzo(a)pyrene	252	25.832	25.831	(0.996)	651179	4.94388	4.944
*	77 Perylene-d12	264	25.948	25.947	(1.000)	387514	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	28.637	28.637	(1.104)	589138	4.70921	4.709
	79 Dibenzo(a,h)anthracene	278	28.645	28.660	(1.104)	466048	4.68129	4.681
	80 Benzo(g,h,i)perylene	276	29.429	29.437	(1.134)	506718	4.69735	4.697
	90 N-Nitrosodimethylamine	74	4.759	4.766	(0.520)	116251	5.86998	5.870
	91 Aniline	93	8.621	8.621	(0.942)	267317	7.42417	7.424
	93 Benzidine	184	20.939	20.938	(0.898)	619929	6.54451	6.545
	103 Pyridine	79	4.782	4.782	(0.522)	186044	5.87190	5.872
	105 1-methylnaphthalene	142	13.283	13.290	(1.142)	453804	5.10328	5.103
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.647	16.654	(1.093)	321162	4.40072	4.401

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.212	25.220	(0.972)	1368947	9.60349	9.603
99 Perylene	252	25.832	26.009	(0.996)	651179	6.28224	6.282
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	15.959	15.967	(1.048)	126204	3.95586	3.956

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020101311.D
Lab Smp Id: SIJ0179-SCV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Misc Info:

Calibration Date: 13-OCT-2020
Calibration Time: 17:35
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	109762	54881	219524	124685	13.60
27 Naphthalene-d8	353207	176604	706414	408464	15.64
42 Acenaphthene-d10	202286	101143	404572	233555	15.46
59 Phenanthrene-d10	390957	195479	781914	450104	15.13
69 Chrysene-d12	336840	168420	673680	387287	14.98
134 Di-n-octylphthala	476401	238201	952802	551837	15.83
77 Perylene-d12	353661	176831	707322	387514	9.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	-0.08
27 Naphthalene-d8	11.64	11.14	12.14	11.64	0.00
42 Acenaphthene-d10	15.23	14.73	15.73	15.23	0.00
59 Phenanthrene-d10	18.26	17.76	18.76	18.26	0.00
69 Chrysene-d12	23.31	22.81	23.81	23.31	0.00
134 Di-n-octylphthala	24.34	23.84	24.84	24.34	0.00
77 Perylene-d12	25.95	25.45	26.45	25.95	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020101311.D

Lab ID: SIJ0179-SCV1
nt10.i, ABN.m, 13-OCT-2020 15:40

RT	CO-ELUTION COMPOUNDS
25.832	Perylene and Benzo(a)pyrene

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.996	1.002	-0.0069	Perylene
1.097	1.108	-0.0106	2,4,6-Tribromophenol

RRT check based on Ccal File: NT1020101314.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

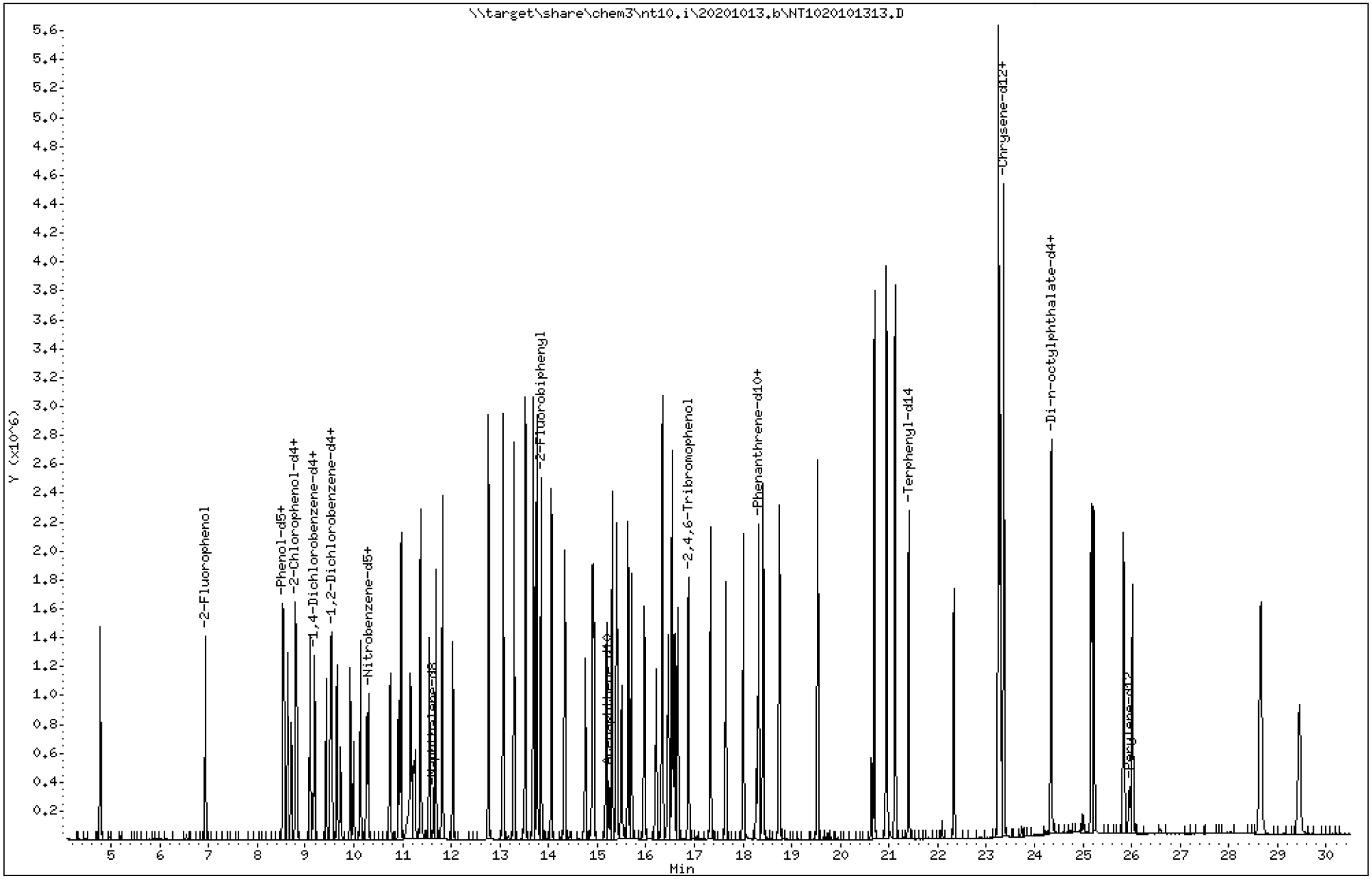
* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101313.D
Date : 13-OCT-2020 16:56
Client ID:
Sample Info: SIJ0179-CAL7

Instrument: nt10.i

Operator: VTS

Column phase: ZB-5msi
Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201013.b\NT1020101313.D
Lab Smp Id: SIJ0179-CAL7
Inj Date : 13-OCT-2020 16:56
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0179-CAL7
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Meth Date : 14-Oct-2020 15:43 nt10.i Quant Type: ISTD
Cal Date : 13-OCT-2020 16:56 Cal File: NT1020101313.D
Als bottle: 27 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1	2-Fluorophenol	112	6.929	6.929	(0.756)	730318	30.0000	29.39
$ 2	Phenol-d5	99	8.521	8.513	(0.930)	1077346	30.0000	32.65
3	Phenol	94	8.544	8.536	(0.932)	610600	20.0000	18.90
$ 5	2-Chlorophenol-d4	132	8.799	8.799	(0.960)	974126	30.0000	31.70
4	Bis(2-Chloroethyl)ether	93	8.714	8.706	(0.951)	479938	20.0000	18.07
6	2-Chlorophenol	128	8.830	8.822	(0.964)	598422	20.0000	18.94
7	1,3-Dichlorobenzene	146	9.093	9.093	(0.992)	654912	20.0000	17.81
* 8	1,4-Dichlorobenzene-d4	152	9.163	9.163	(1.000)	86130	4.00000	
9	1,4-Dichlorobenzene	146	9.194	9.186	(1.003)	585897	20.0000	18.94
$ 10	1,2-Dichlorobenzene-d4	152	9.520	9.520	(1.039)	398641	20.0000	19.04
12	1,2-Dichlorobenzene	146	9.543	9.543	(1.042)	596277	20.0000	18.25
11	Benzyl alcohol	108	9.435	9.427	(1.030)	330025	20.0000	19.98
14	2,2'-oxybis(1-Chloropropane)	121	9.722	9.722	(1.061)	190085	20.0000	19.24
13	2-Methylphenol	108	9.652	9.644	(1.053)	428990	20.0000	19.62
17	Hexachloroethane	117	10.133	10.133	(1.106)	247210	20.0000	20.72
16	N-Nitroso-di-n-propylamine	70	9.994	9.986	(1.091)	265470	20.0000	19.21
15	4-Methylphenol	108	9.924	9.916	(1.083)	462873	20.0000	19.87
$ 18	Nitrobenzene-d5	82	10.257	10.257	(0.881)	459514	20.0000	19.55
19	Nitrobenzene	77	10.296	10.288	(0.884)	463123	20.0000	18.93
20	Isophorone	82	10.746	10.731	(0.923)	1116867	20.0000	22.07
21	2-Nitrophenol	139	10.919	10.918	(0.938)	409799	20.0000	21.12
22	2,4-Dimethylphenol	107	10.970	10.961	(0.942)	824740	40.0000	33.82
23	Bis(2-Chloroethoxy)methane	93	11.165	11.156	(0.959)	487839	20.0000	17.67
24	Benzoic acid	105	11.267	11.148	(0.968)	1192911	80.0000	79.64
25	2,4-Dichlorophenol	162	11.368	11.360	(0.976)	1111843	40.0000	38.69
26	1,2,4-Trichlorobenzene	180	11.550	11.550	(0.992)	526762	20.0000	16.73
* 27	Naphthalene-d8	136	11.642	11.635	(1.000)	304128	4.00000	
28	Naphthalene	128	11.681	11.673	(1.003)	1522445	20.0000	19.81
29	4-Chloroaniline	127	11.820	11.812	(1.015)	1449967	40.0000	42.51
30	Hexachlorobutadiene	225	12.037	12.029	(1.034)	338154	20.0000	18.07
31	4-Chloro-3-methylphenol	107	12.764	12.756	(1.096)	1001801	40.0000	41.68
32	2-Methylnaphthalene	142	13.066	13.066	(1.122)	1486617	20.0000	21.04
33	Hexachlorocyclopentadiene	237	13.522	13.522	(0.887)	1009404	40.0000	39.34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.685	13.685	(0.898)	914264	40.0000	39.50
	35 2,4,5-Trichlorophenol	196	13.762	13.754	(0.903)	1001783	40.0000	39.07
$	36 2-Fluorobiphenyl	172	13.847	13.839	(0.909)	1472587	20.0000	18.02
	37 2-Chloronaphthalene	162	14.056	14.056	(0.922)	1398077	20.0000	18.97
	38 2-Nitroaniline	65	14.335	14.319	(0.941)	514002	40.0000	41.23
	39 Dimethylphthalate	163	14.753	14.745	(0.968)	1147100	20.0000	16.21
	40 Acenaphthylene	152	14.931	14.923	(0.980)	1721766	20.0000	14.80
	41 2,6-Dinitrotoluene	165	14.900	14.892	(0.978)	577973	40.0000	35.41
*	42 Acenaphthene-d10	164	15.240	15.232	(1.000)	181216	4.00000	
	43 3-Nitroaniline	138	15.194	15.171	(0.997)	700332	40.0000	39.32
	44 Acenaphthene	153	15.310	15.302	(1.005)	1135562	20.0000	19.31
	45 2,4-Dinitrophenol	184	15.395	15.387	(1.010)	940445	80.0000	79.66
	46 Dibenzofuran	168	15.635	15.627	(1.026)	1797553	20.0000	19.52
	47 4-Nitrophenol	109	15.503	15.488	(1.017)	235885	40.0000	42.90
	48 2,4-Dinitrotoluene	165	15.704	15.696	(1.030)	868680	40.0000	40.30
	50 Diethylphthalate	149	16.214	16.199	(1.064)	1054530	20.0000	16.75
	49 Fluorene	166	16.346	16.338	(1.073)	1280451	20.0000	16.95
	51 4-Chlorophenyl-phenylether	204	16.331	16.330	(1.072)	682279	20.0000	17.41
	52 4-Nitroaniline	138	16.470	16.446	(1.081)	872169	40.0000	39.40
	53 4,6-Dinitro-2-methylphenol	198	16.547	16.531	(0.906)	1317925	80.0000	82.23
	54 N-Nitrosodiphenylamine	169	16.593	16.577	(0.908)	738420	20.0000	16.56
$	55 2,4,6-Tribromophenol	330	16.878	16.870	(1.107)	464115	30.0000	30.35
	56 4-Bromophenyl-phenylether	248	17.333	17.325	(0.949)	665197	20.0000	18.98
	57 Hexachlorobenzene	284	17.650	17.642	(0.966)	563891	20.0000	16.04
	58 Pentachlorophenol	266	18.006	17.998	(0.986)	555823	40.0000	39.91
*	59 Phenanthrene-d10	188	18.269	18.261	(1.000)	347345	4.00000	
	60 Phenanthrene	178	18.323	18.315	(1.003)	1787274	20.0000	19.53
	61 Anthracene	178	18.416	18.408	(1.008)	1969099	20.0000	19.83
	62 Carbazole	167	18.749	18.741	(1.026)	2004182	20.0000	20.15
	63 Di-n-butylphthalate	149	19.530	19.530	(1.069)	2540784	20.0000	20.79
	64 Fluoranthene	202	20.699	20.691	(0.888)	2757915	20.0000	21.56
	65 Pyrene	202	21.124	21.116	(0.906)	2743628	20.0000	20.75
$	66 Terphenyl-d14	244	21.403	21.403	(0.918)	1507073	20.0000	16.34
	67 Butylbenzylphthalate	149	22.332	22.324	(0.958)	728709	20.0000	17.62
	68 Benzo(a)anthracene	228	23.284	23.276	(0.999)	1951745	20.0000	17.63
*	69 Chrysene-d12	240	23.308	23.307	(1.000)	277673	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.253	23.238	(0.998)	2598644	60.0000	59.89
	71 Chrysene	228	23.354	23.346	(1.002)	1650423	20.0000	19.53
	72 bis(2-Ethylhexyl)phthalate	149	23.354	23.346	(0.960)	1012363	20.0000	19.49
*	134 Di-n-octylphthalate-d4	153	24.337	24.337	(1.000)	439957	4.00000	
	73 Di-n-octylphthalate	149	24.353	24.345	(1.001)	2207710	20.0000	19.12
	74 Benzo(b)fluoranthene	252	25.181	25.173	(0.970)	2222361	20.0000	20.24
	75 Benzo(k)fluoranthene	252	25.220	25.220	(0.972)	1899139	20.0000	16.55
	76 Benzo(a)pyrene	252	25.839	25.831	(0.996)	1865571	20.0000	18.65
*	77 Perylene-d12	264	25.955	25.947	(1.000)	294310	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	28.645	28.637	(1.104)	1607867	20.0000	16.92
	79 Dibenzo(a,h)anthracene	278	28.660	28.660	(1.104)	1236465	20.0000	16.35
	80 Benzo(g,h,i)perylene	276	29.453	29.437	(1.135)	1462499	20.0000	17.85
	90 N-Nitrosodimethylamine	74	4.774	4.766	(0.521)	554737	40.0000	40.55
	91 Aniline	93	8.621	8.621	(0.941)	898919	40.0000	36.14
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	4.774	4.782	(0.521)	444188	20.0000	20.30
	105 1-methylnaphthalene	142	13.290	13.290	(1.142)	1379875	20.0000	20.84
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.662	16.654	(1.093)	984549	20.0000	17.39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.181	25.220	(0.970)	3918383	40.0000	36.19
99 Perylene	252	26.017	26.009	(1.002)	1553889	20.0000	19.74
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	15.967	15.967	(1.048)	459866	20.0000	19.95

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020101313.D
Lab Smp Id: SIJ0179-CAL7
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Misc Info:

Calibration Date: 13-OCT-2020
Calibration Time: 17:35
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	109762	54881	219524	86130	-21.53
27 Naphthalene-d8	353207	176604	706414	304128	-13.90
42 Acenaphthene-d10	202286	101143	404572	181216	-10.42
59 Phenanthrene-d10	390957	195479	781914	347345	-11.16
69 Chrysene-d12	336840	168420	673680	277673	-17.57
134 Di-n-octylphthala	476401	238201	952802	439957	-7.65
77 Perylene-d12	353661	176831	707322	294310	-16.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	0.00
27 Naphthalene-d8	11.64	11.14	12.14	11.64	0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.24	0.05
59 Phenanthrene-d10	18.26	17.76	18.76	18.27	0.04
69 Chrysene-d12	23.31	22.81	23.81	23.31	0.00
134 Di-n-octylphthala	24.34	23.84	24.84	24.34	0.00
77 Perylene-d12	25.95	25.45	26.45	25.96	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020101313.D

Lab ID: SIJ0179-CAL7
nt10.i, ABN.m, 13-OCT-2020 16:56

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.968	0.958	0.0096	Benzoic acid

RRT check based on Ccal File: NT1020101314.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Analytical Resources, Incorporated
Analytical Chemists and Consultants

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, Inc.
SDG: 20I0181
Client: Anchor QEA, LLC
Project: Lower Duwamish AOC4
Calibration: DI00063
Laboratory ID: SII0276-SCV1
Sequence: SII0276
Sequence Name: SCV 5.0
Standard ID: I006450

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Phenol	5.0000	5.1	1.0	20.00
4-Methylphenol	5.0000	4.8	-3.5	20.00
Naphthalene	5.0000	4.9	-2.9	20.00
2-Methylnaphthalene	5.0000	5.1	1.7	20.00
Acenaphthylene	5.0000	4.6	-8.0	20.00
Dimethylphthalate	5.0000	4.7	-6.3	20.00
Acenaphthene	5.0000	4.5	-9.7	20.00
Dibenzofuran	5.0000	4.9	-1.9	20.00
Fluorene	5.0000	4.5	-10.2	20.00
Phenanthrene	5.0000	4.9	-2.1	20.00
Anthracene	5.0000	4.7	-5.9	20.00
Fluoranthene	5.0000	4.5	-9.4	20.00
Pyrene	5.0000	4.7	-5.7	20.00
Butylbenzylphthalate	5.0000	4.8	-3.8	20.00
Benzo(a)anthracene	5.0000	4.7	-5.5	20.00
Chrysene	5.0000	4.8	-4.2	20.00
bis(2-Ethylhexyl)phthalate	5.0000	4.7	-5.4	20.00
Benzofluoranthenes, Total	10.000	10.1	0.8	20.00
Benzo(a)pyrene	5.0000	5.2	4.9	20.00
Indeno(1,2,3-cd)pyrene	5.0000	5.1	1.0	20.00
Dibenzo(a,h)anthracene	5.0000	5.0	-0.1	20.00
Benzo(g,h,i)perylene	5.0000	4.8	-3.0	20.00

* Indicates values outside of QC limits

Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Page 1

Date : 19-SEP-2020 18:28

Client ID:

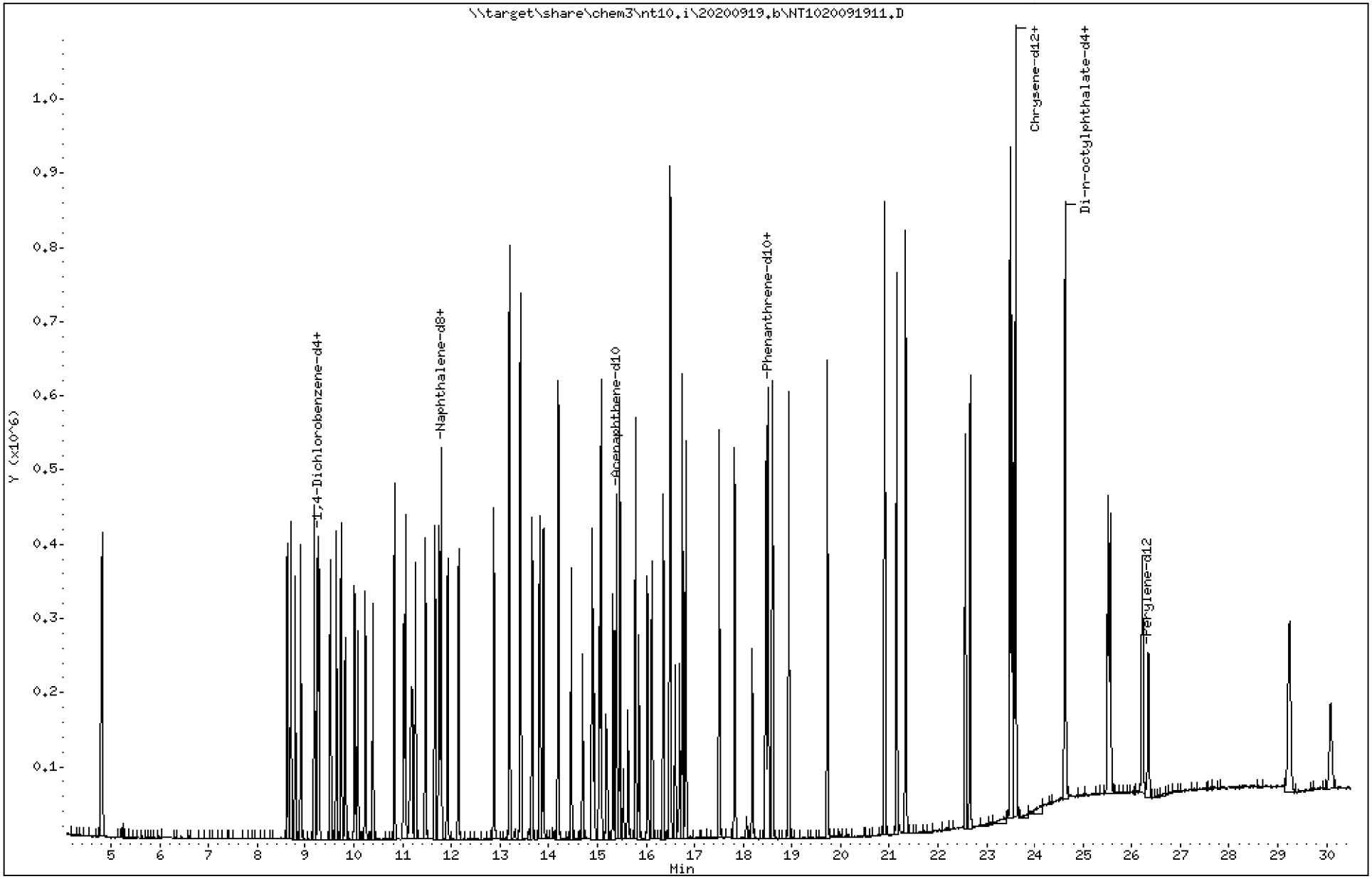
Instrument: nt10.i

Sample Info: SII0276-SCV1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

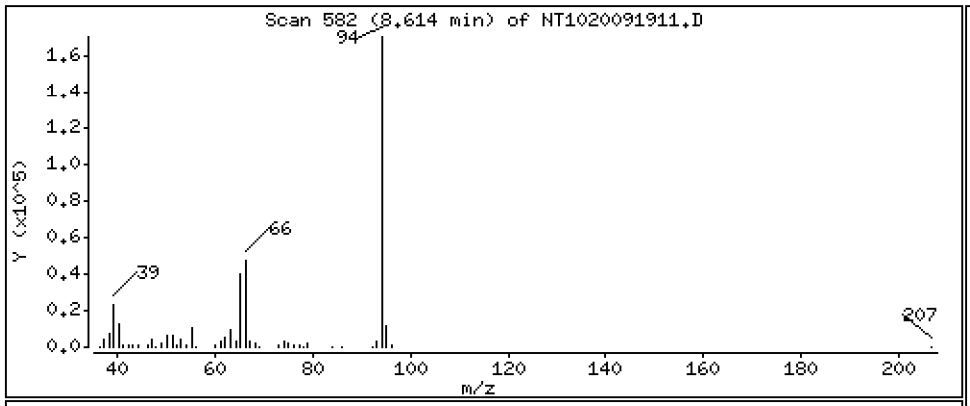
Operator: VTS

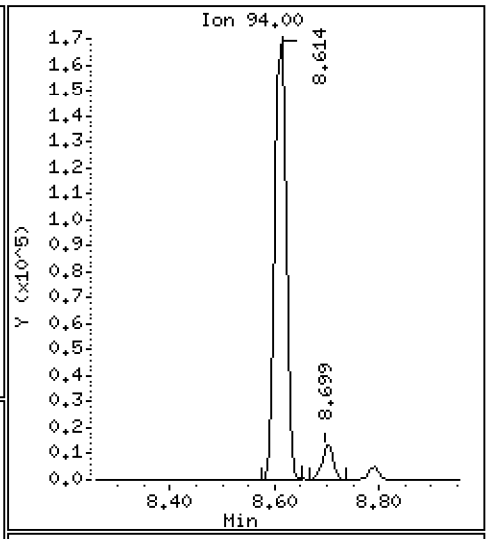
Column phase: ZB-5msi

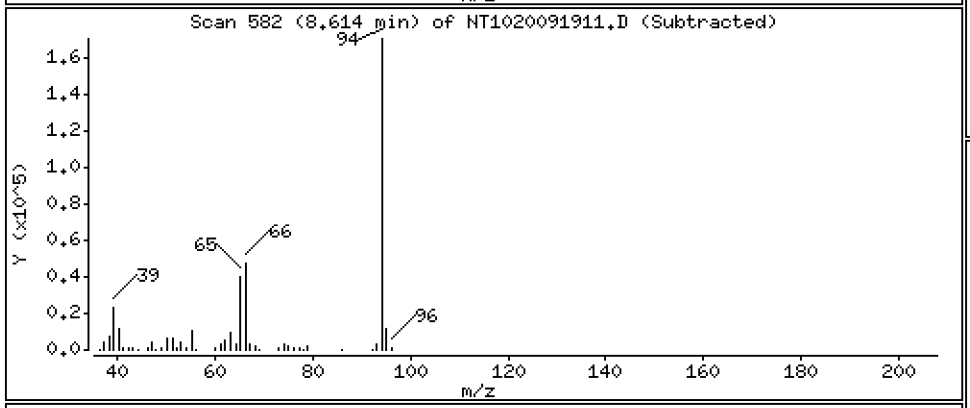
Column diameter: 0.25

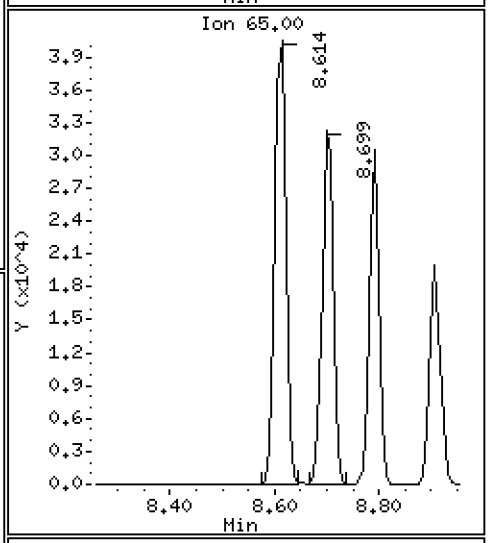
3 Phenol

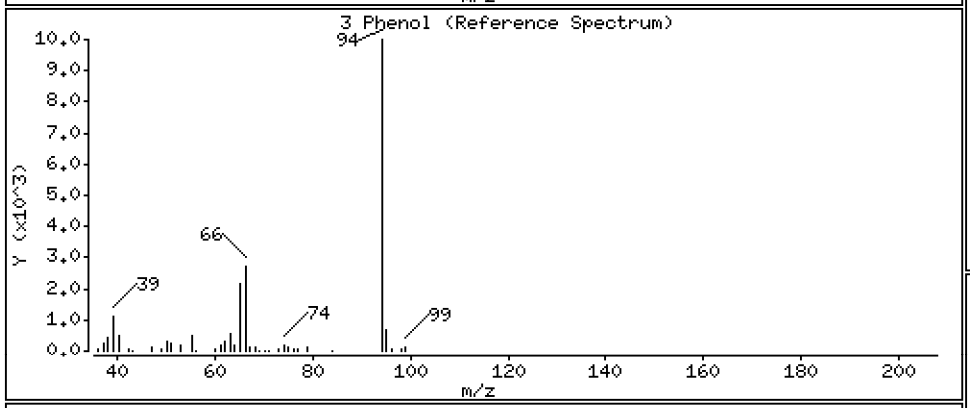
Concentration: 5.050 ug/mL

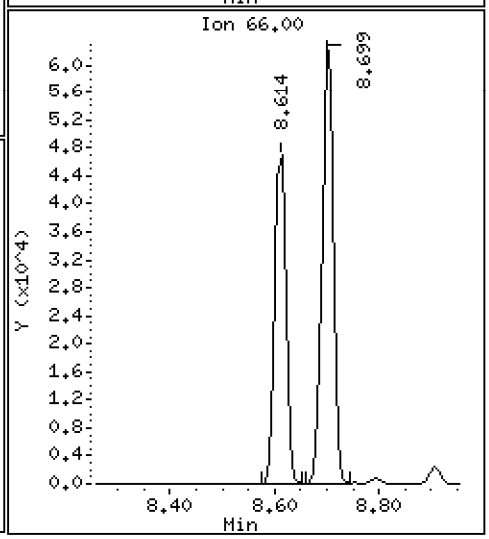


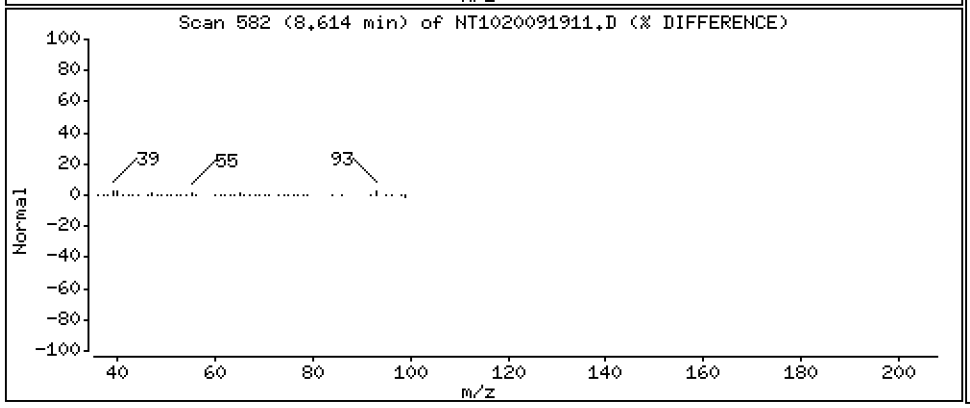












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

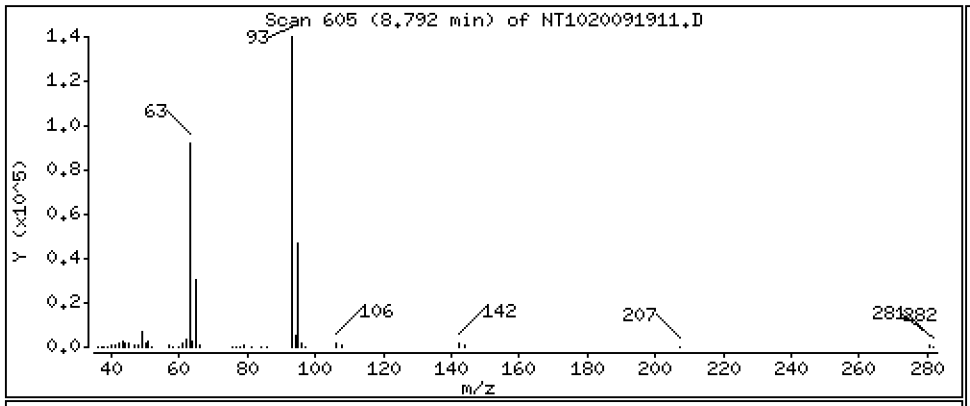
Operator: VTS

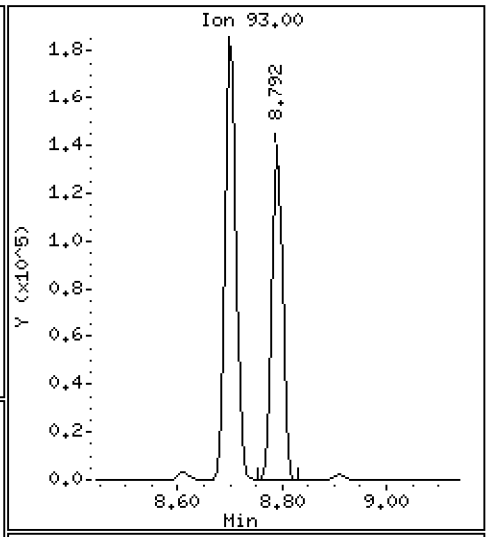
Column phase: ZB-5msi

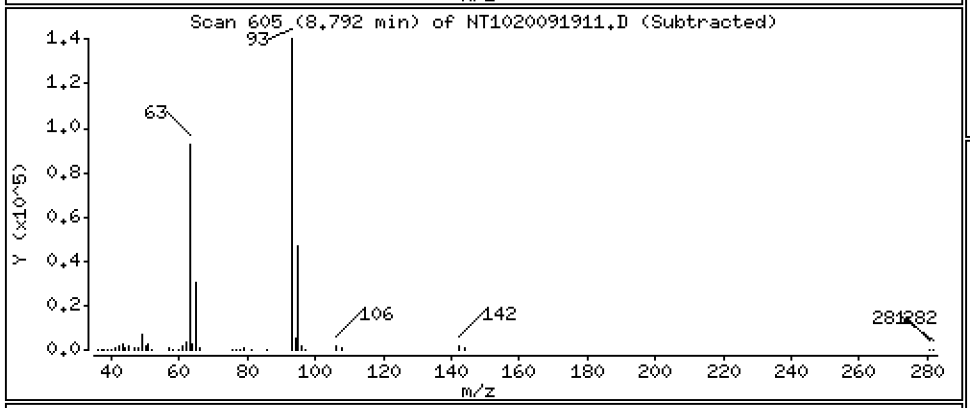
Column diameter: 0.25

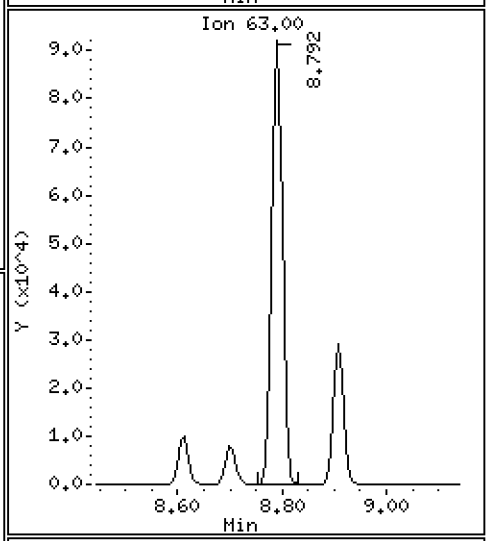
4 Bis(2-Chloroethyl)ether

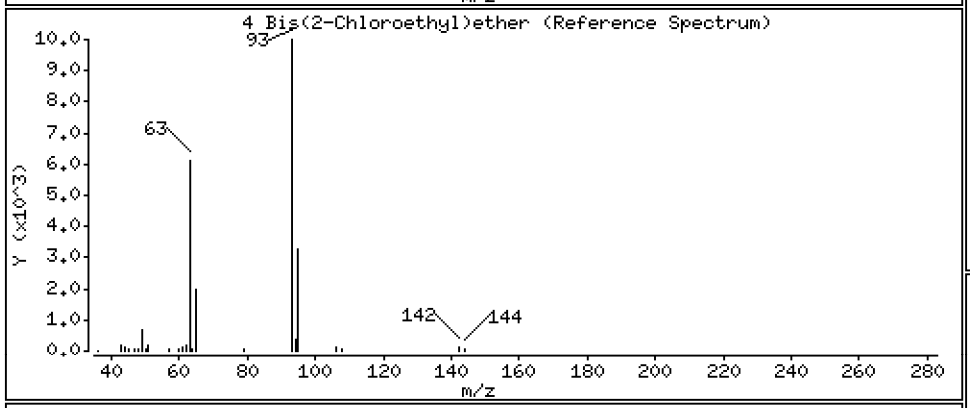
Concentration: 4.977 ug/mL

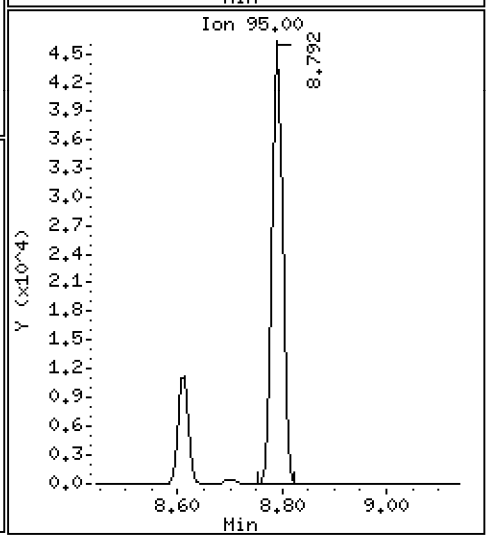


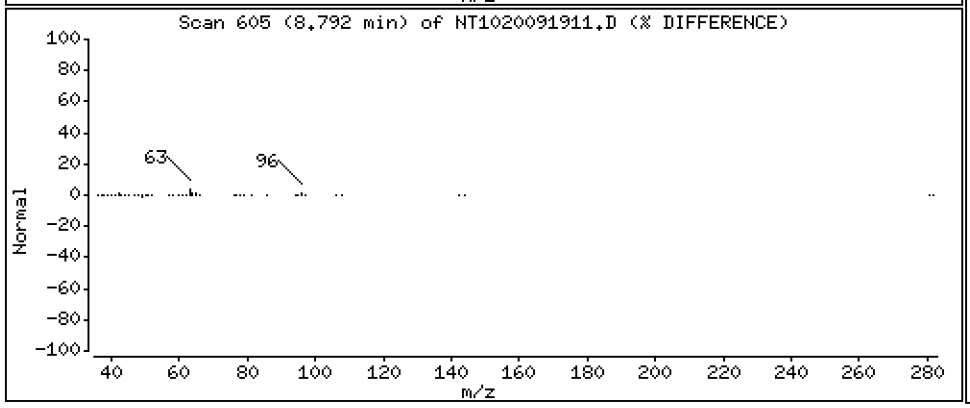












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

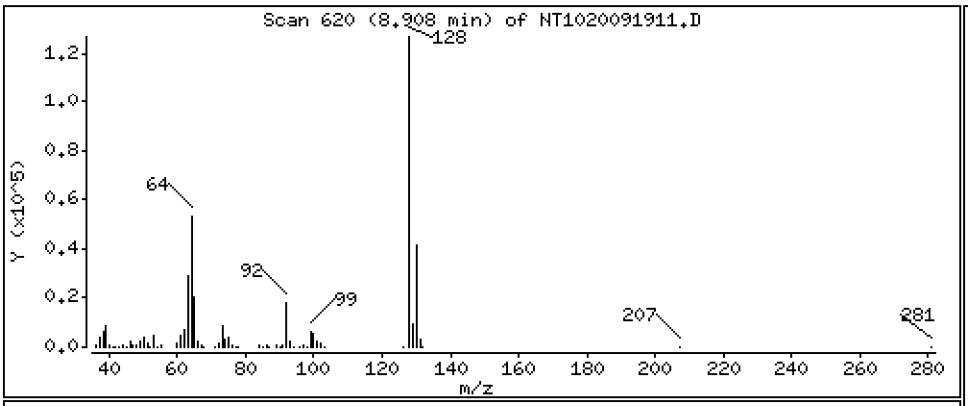
Operator: VTS

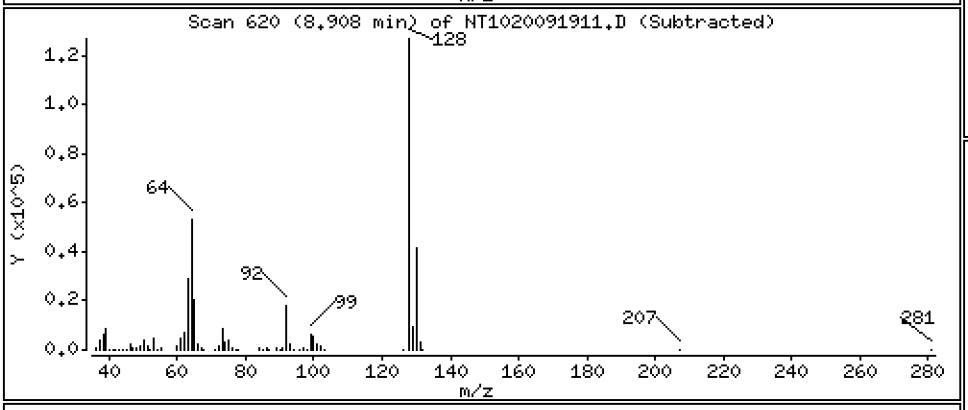
Column phase: ZB-5msi

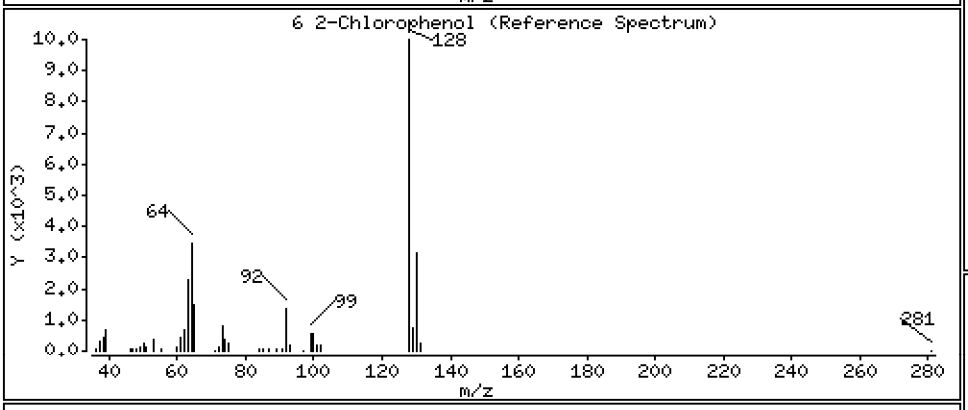
Column diameter: 0.25

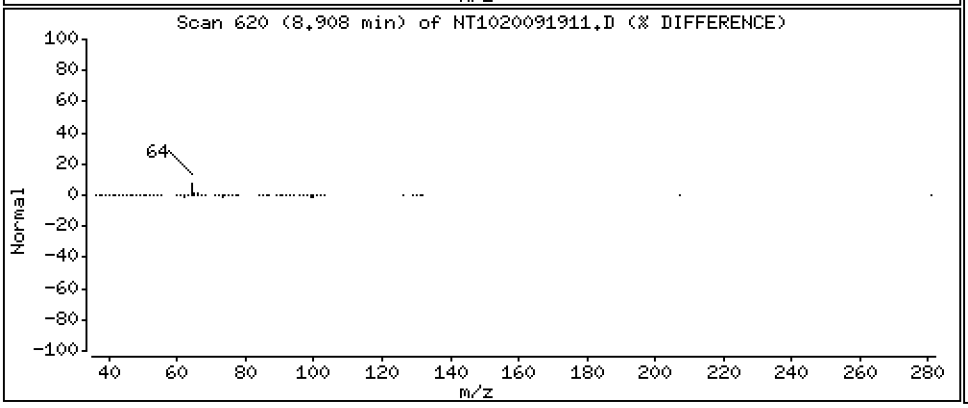
6 2-Chlorophenol

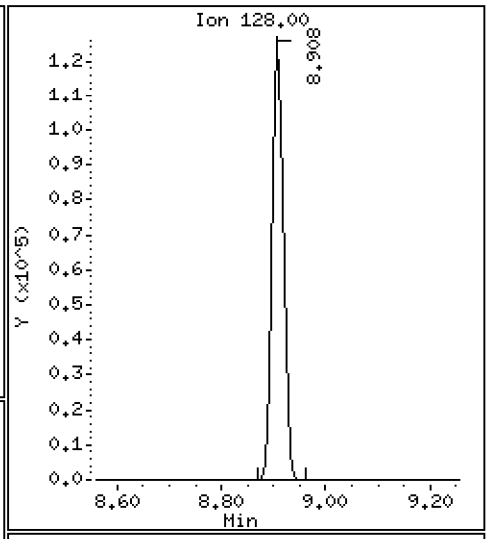
Concentration: 4.687 ug/mL

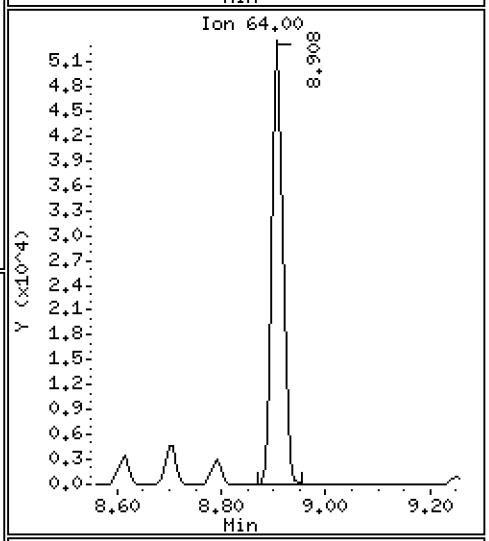


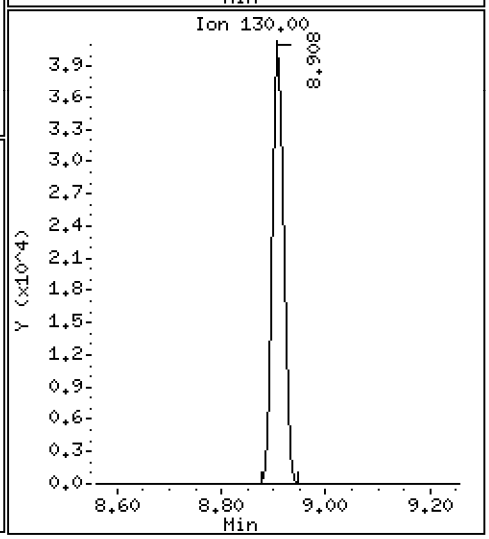












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

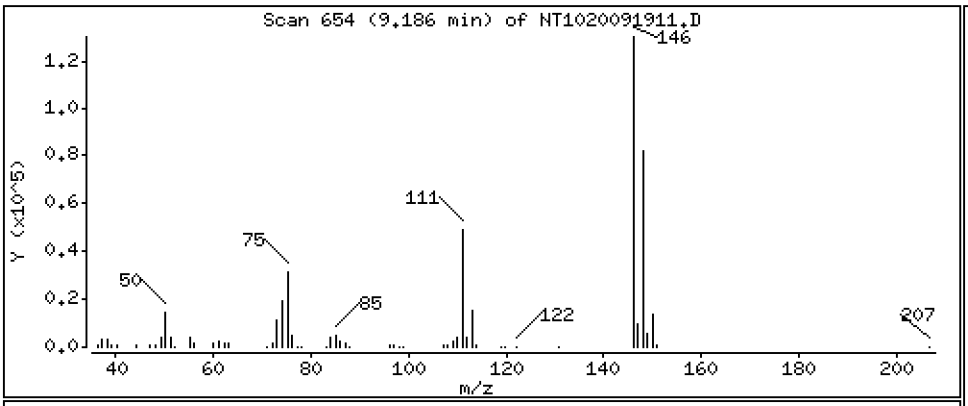
Operator: VTS

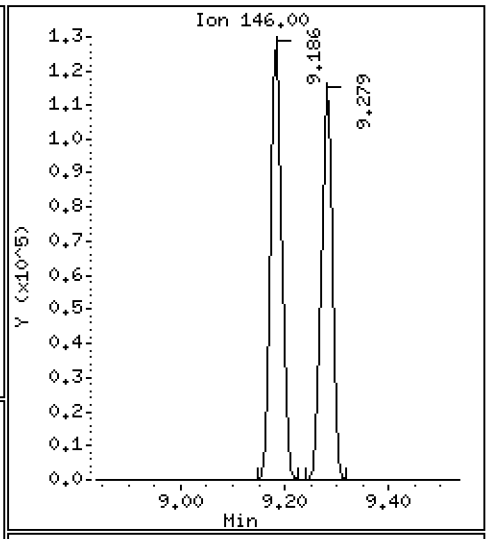
Column phase: ZB-5msi

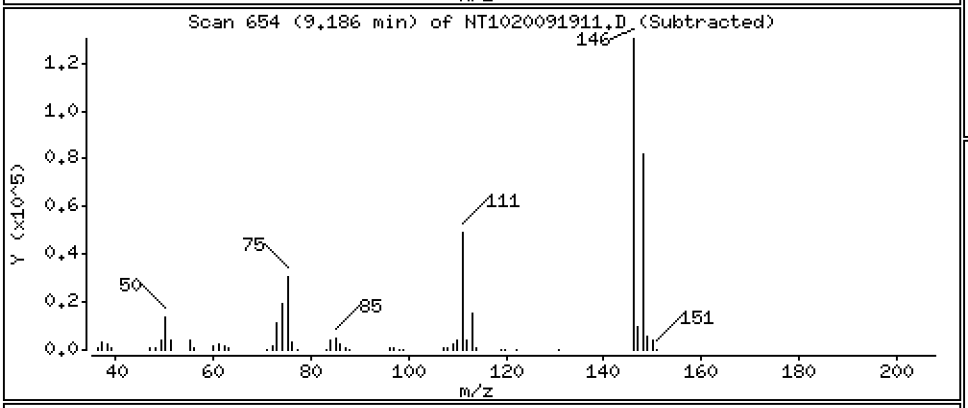
Column diameter: 0.25

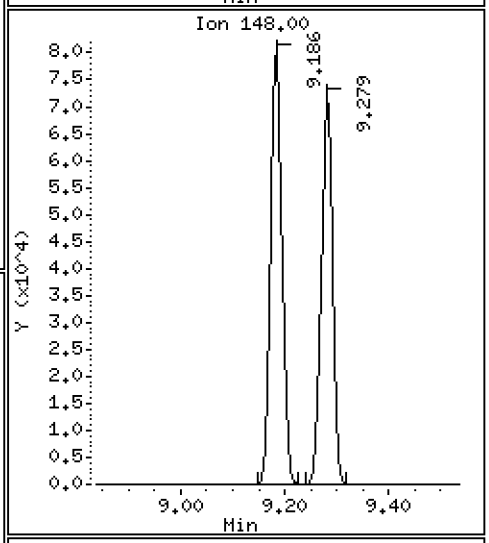
7 1,3-Dichlorobenzene

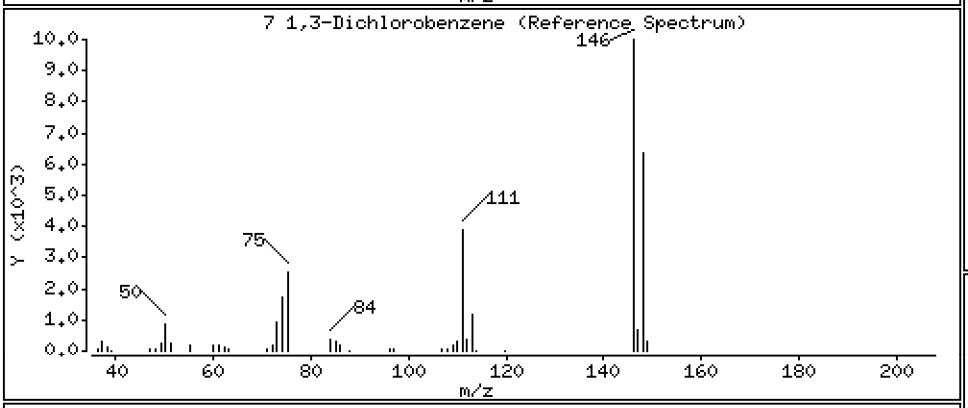
Concentration: 4.772 ug/mL

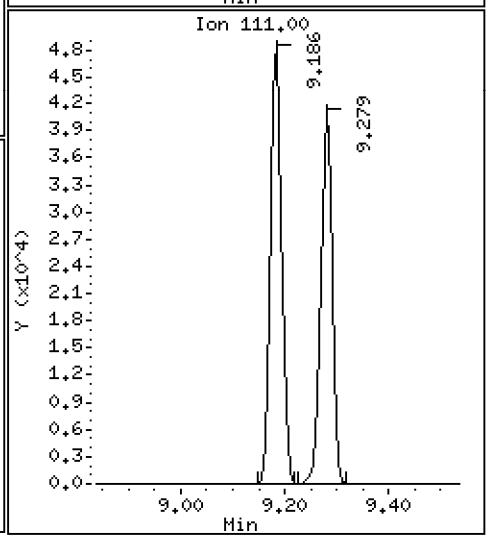


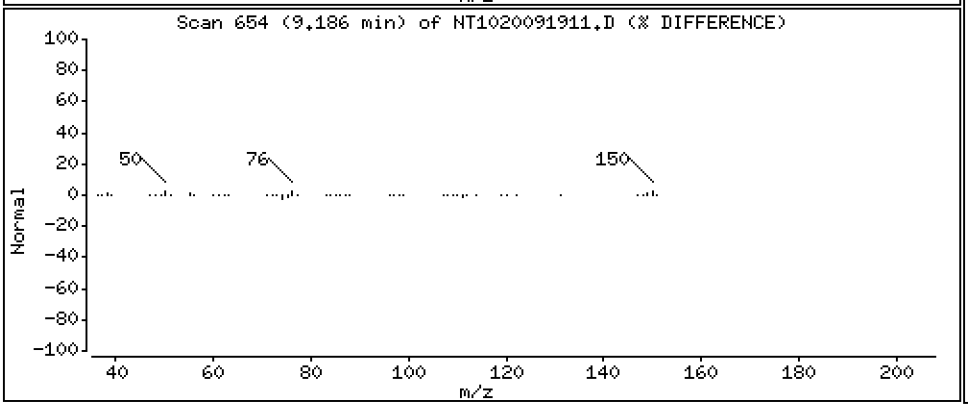












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

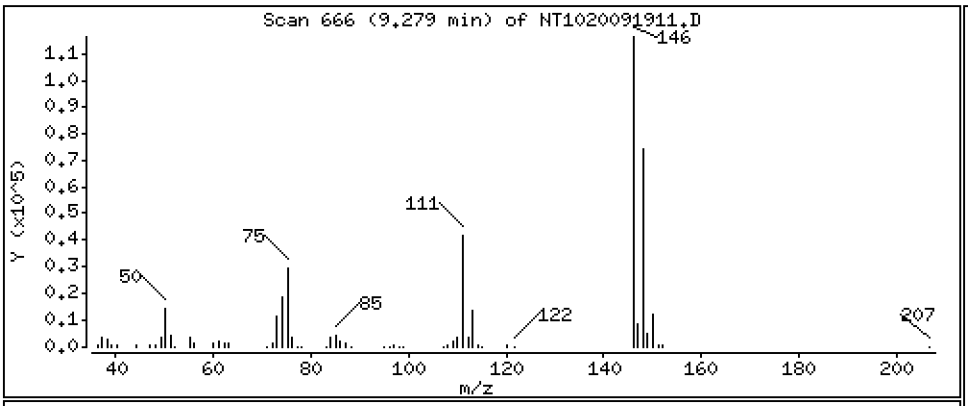
Operator: VTS

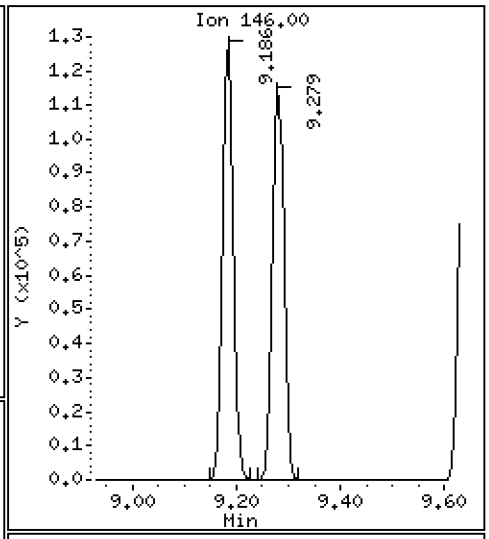
Column phase: ZB-5msi

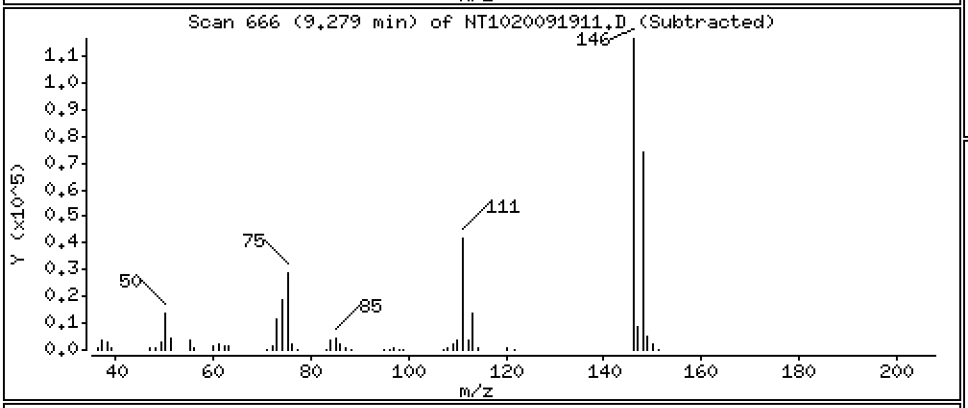
Column diameter: 0.25

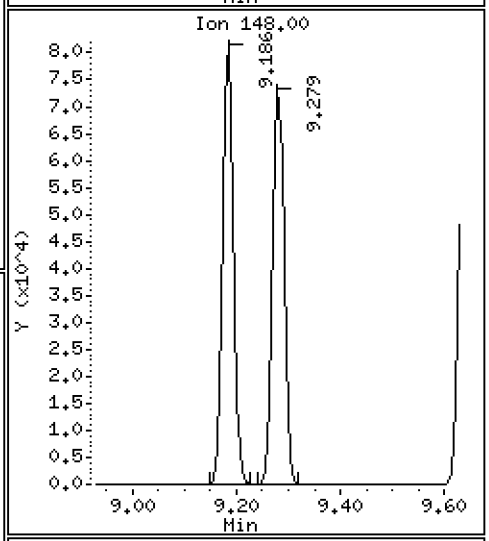
9 1,4-Dichlorobenzene

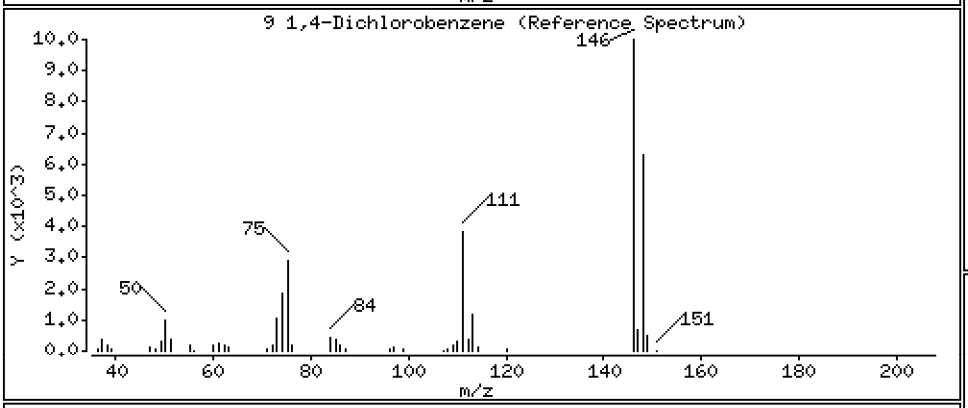
Concentration: 4.831 ug/mL

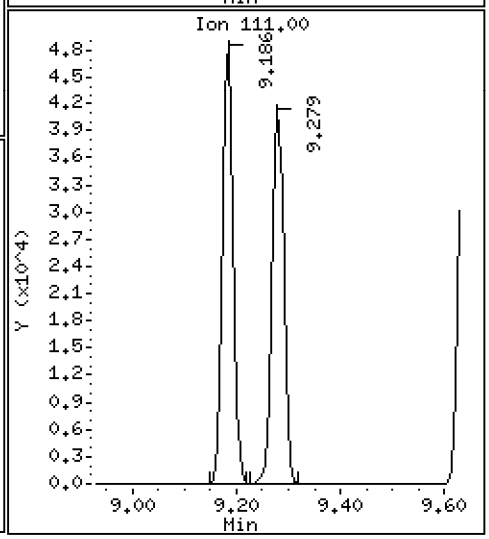


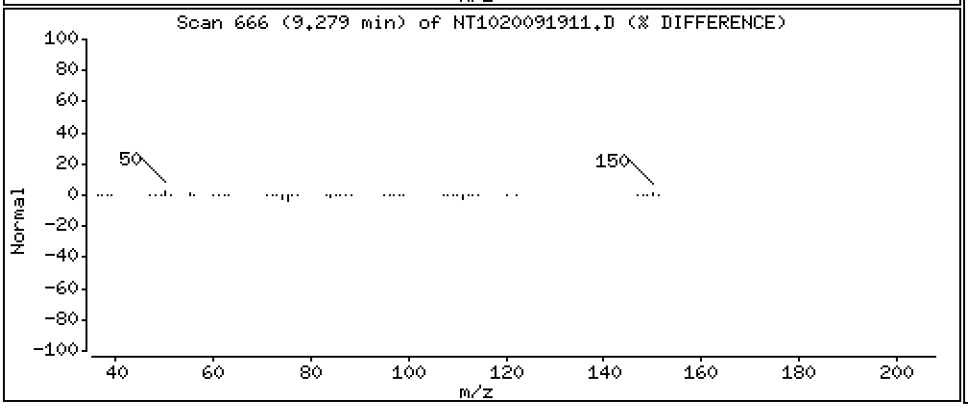












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

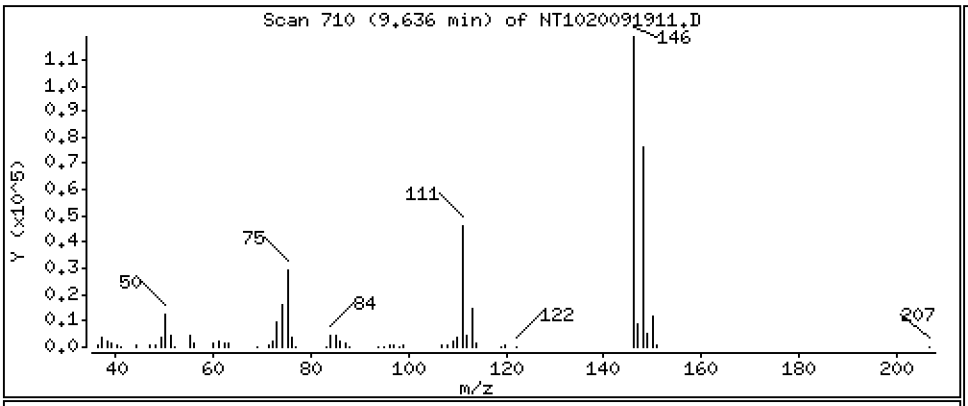
Operator: VTS

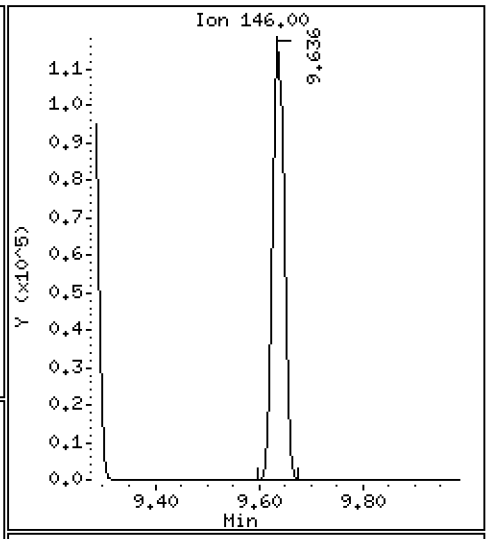
Column phase: ZB-5msi

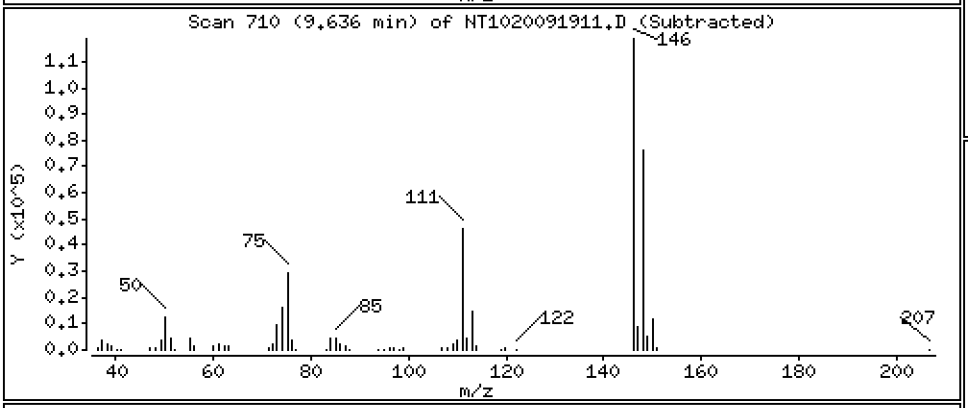
Column diameter: 0.25

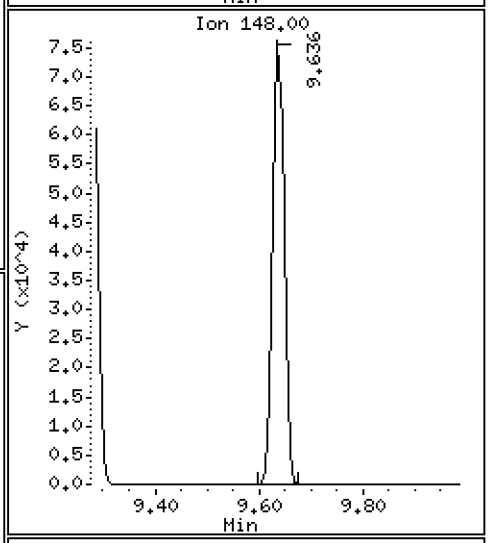
12 1,2-Dichlorobenzene

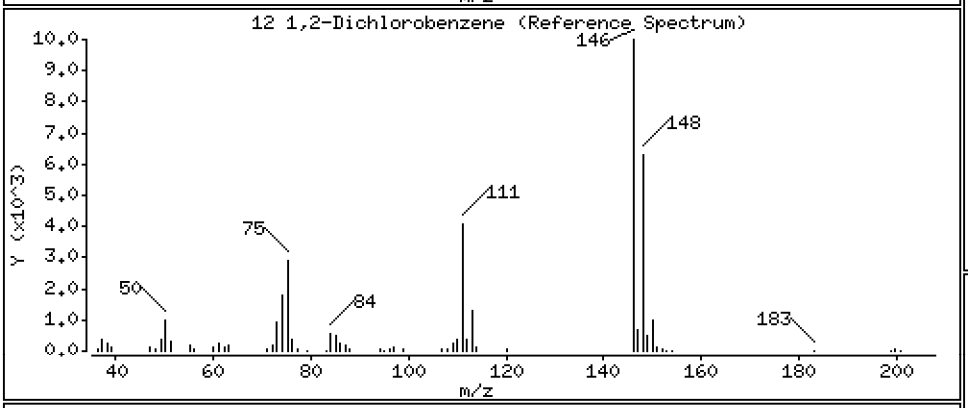
Concentration: 4.661 ug/mL

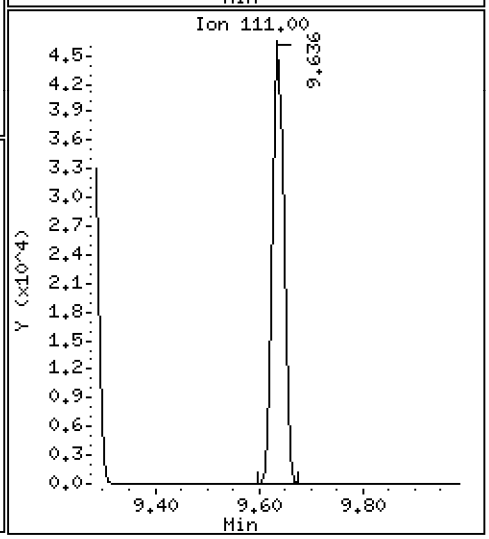


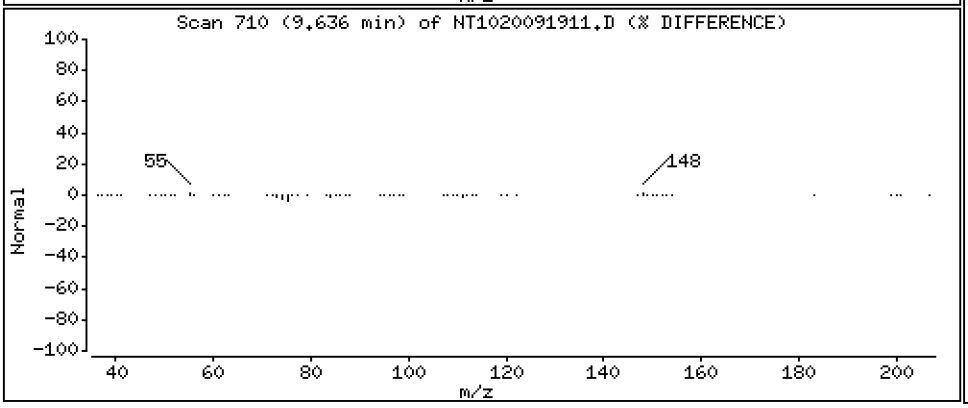












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

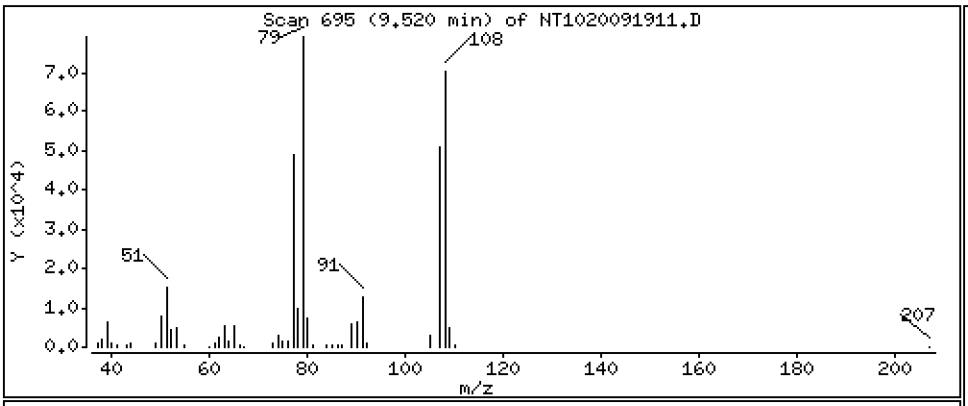
Operator: VTS

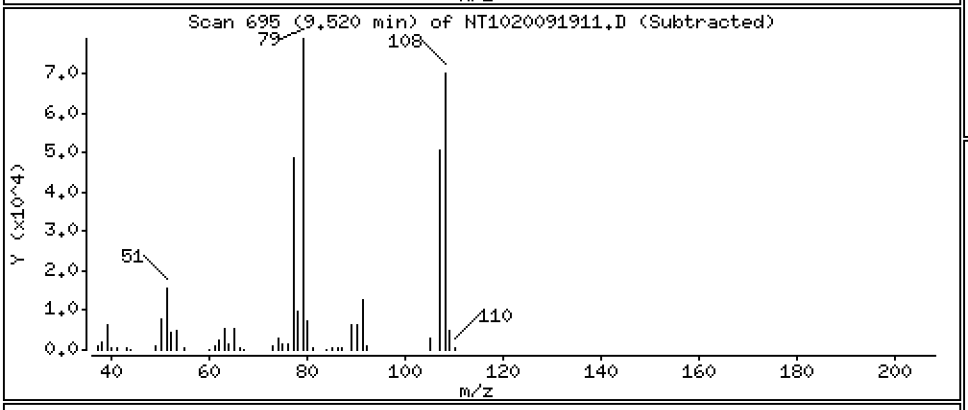
Column phase: ZB-5msi

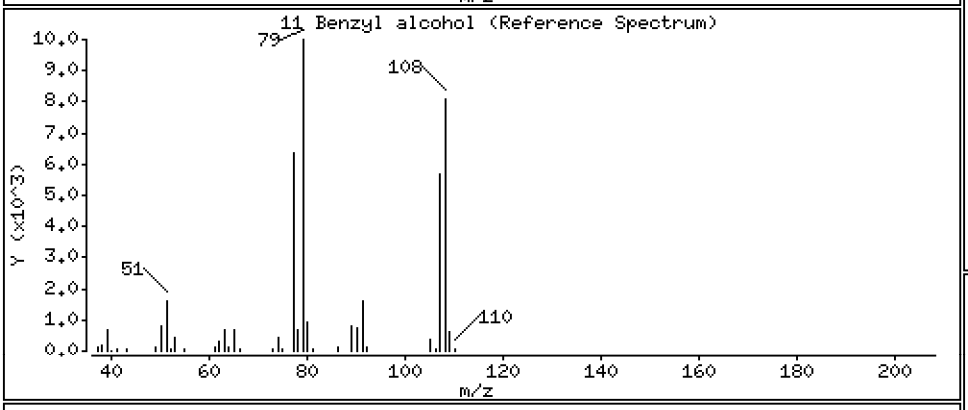
Column diameter: 0.25

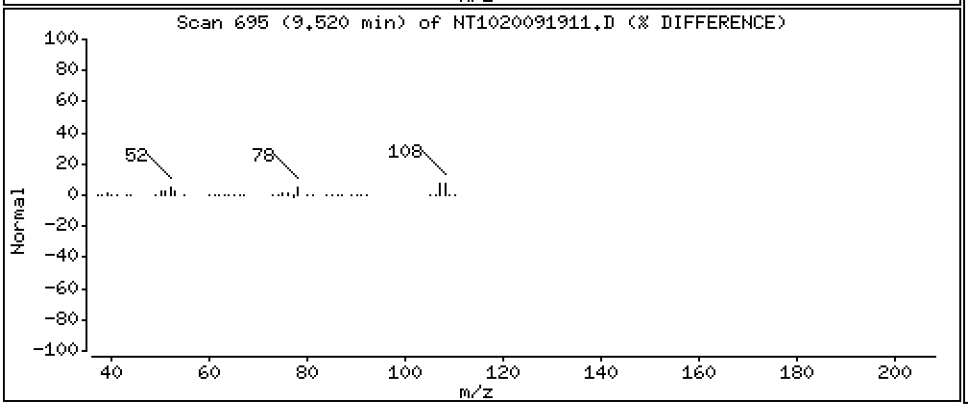
11 Benzyl alcohol

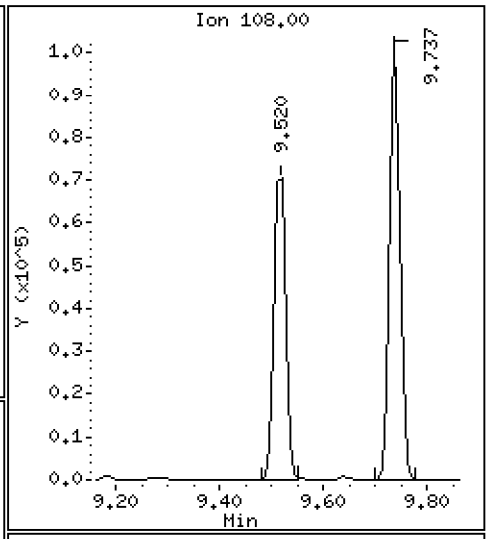
Concentration: 5.039 ug/mL

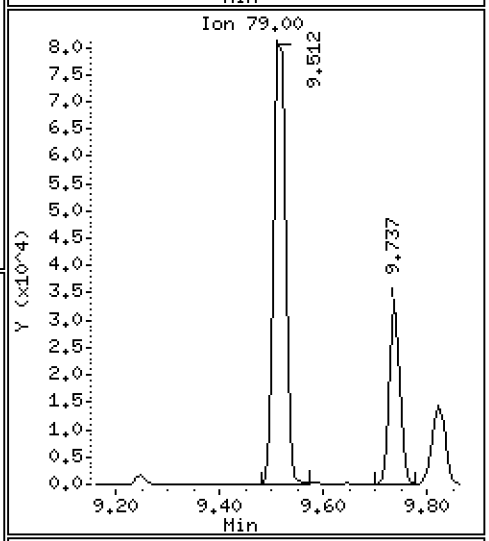


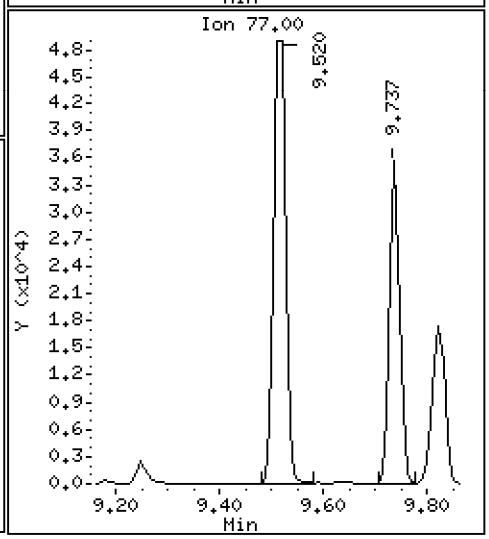












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

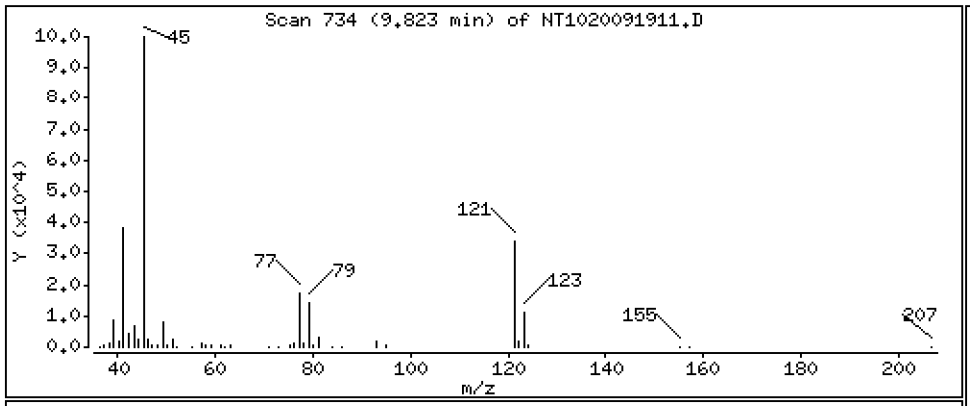
Operator: VTS

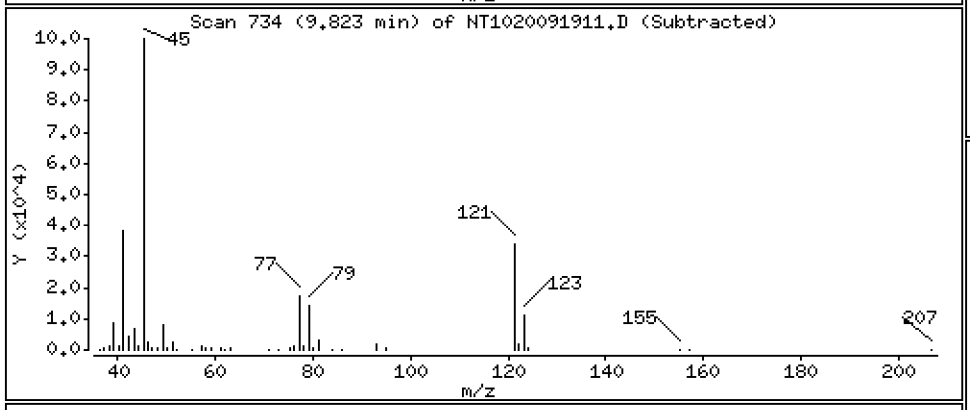
Column phase: ZB-5msi

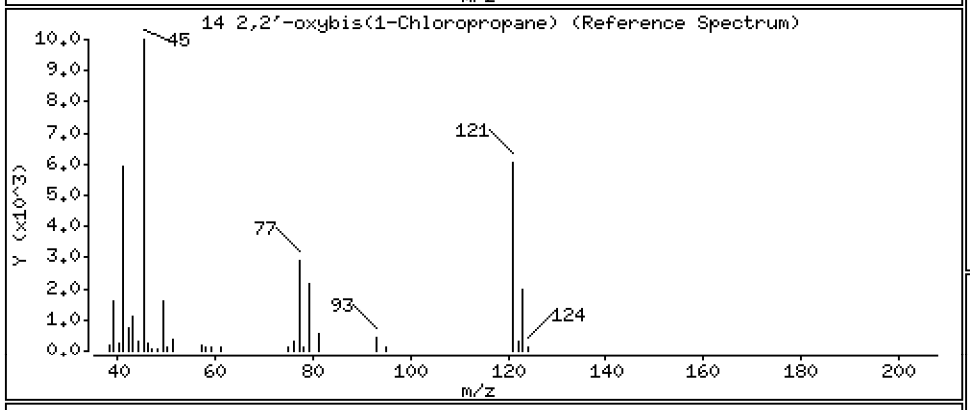
Column diameter: 0.25

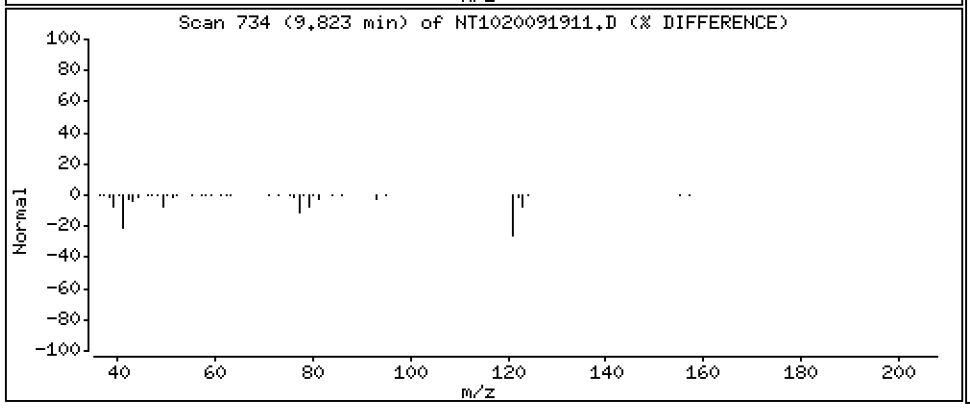
14 2,2'-oxybis(1-Chloropropane)

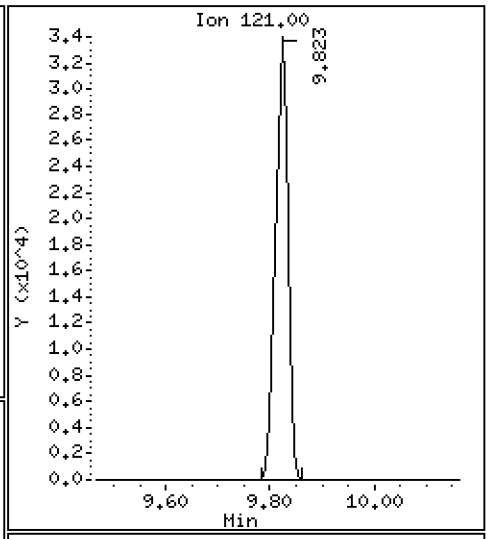
Concentration: 4.501 ug/mL

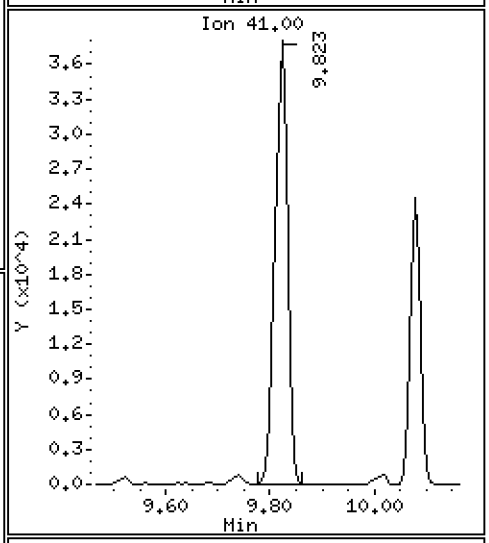


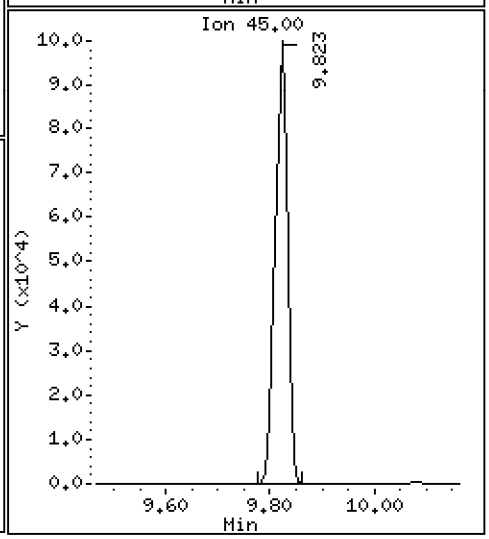












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

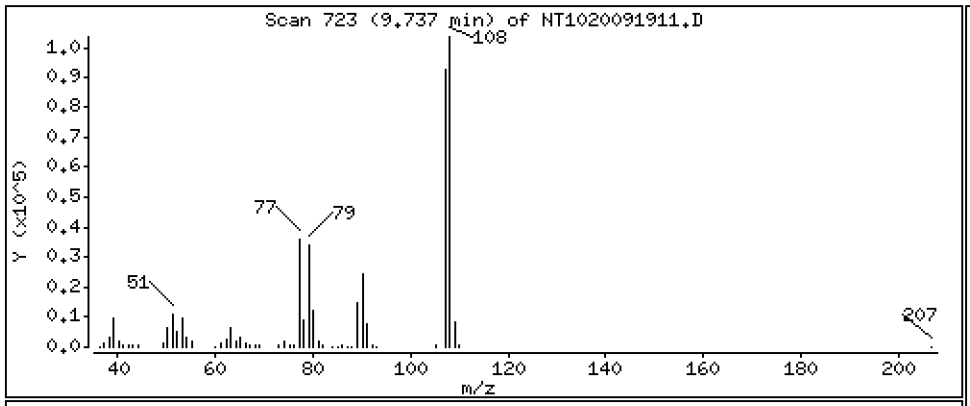
Operator: VTS

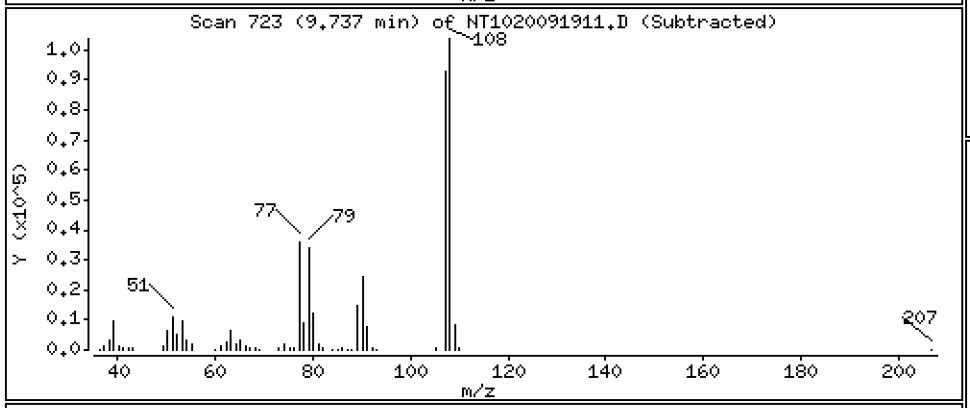
Column phase: ZB-5msi

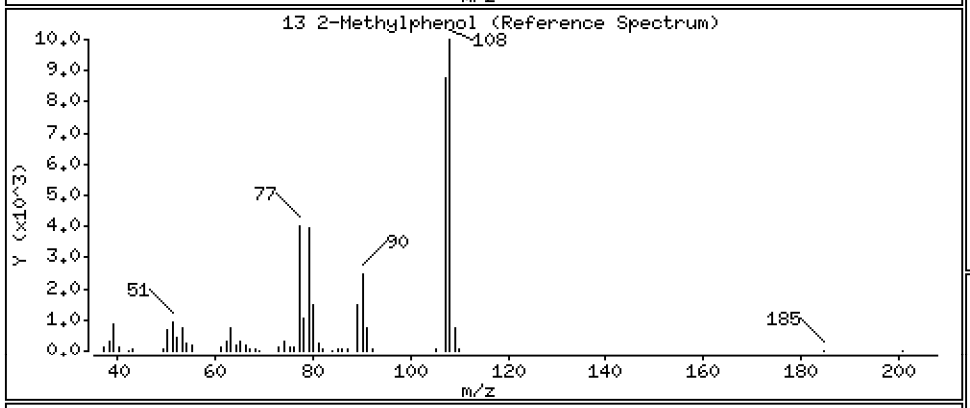
Column diameter: 0.25

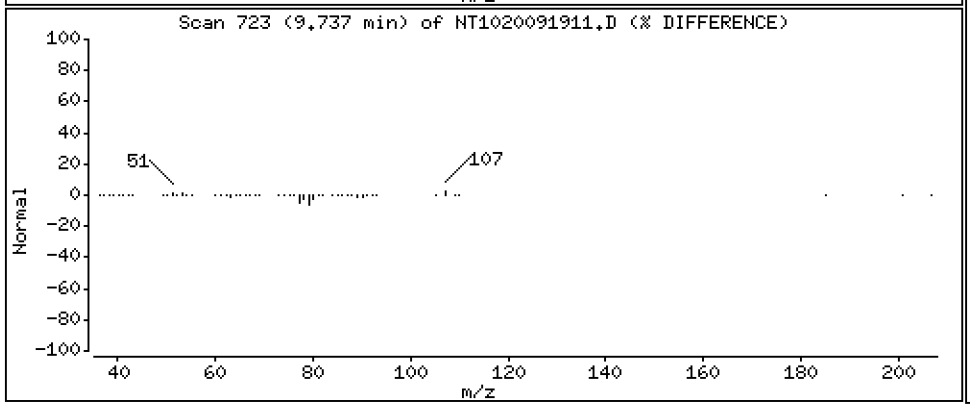
13 2-Methylphenol

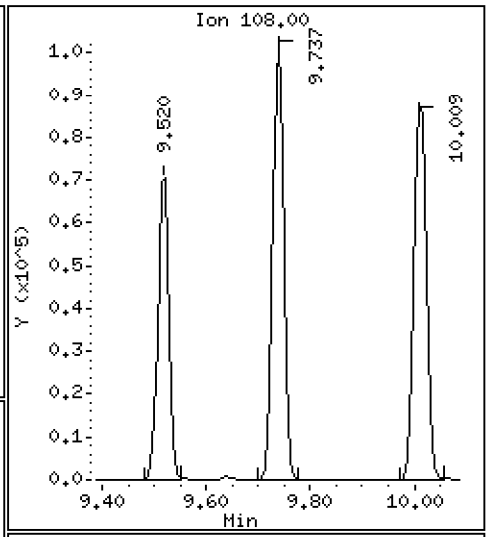
Concentration: 4.597 ug/mL

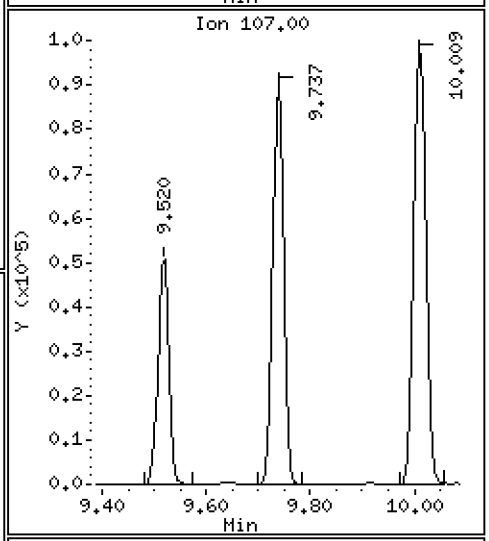


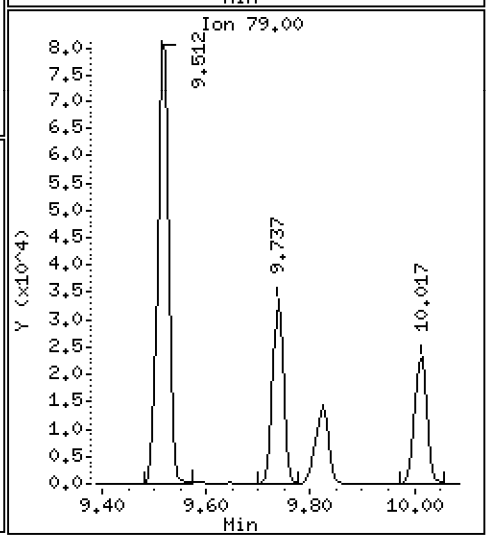












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

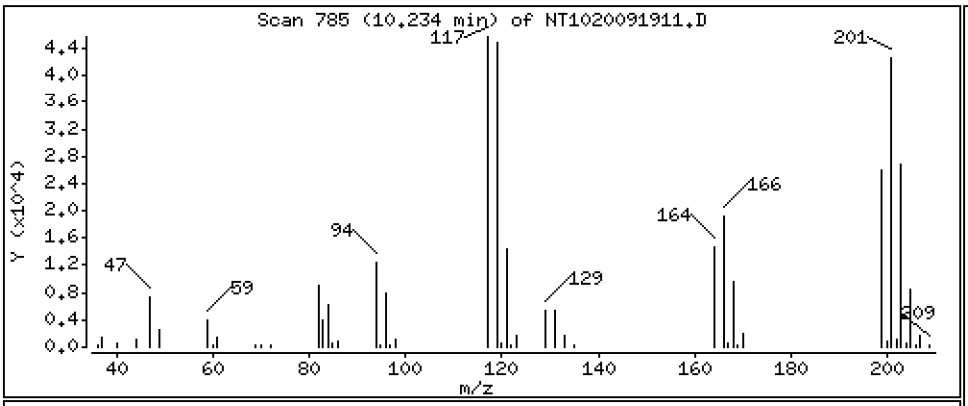
Operator: VTS

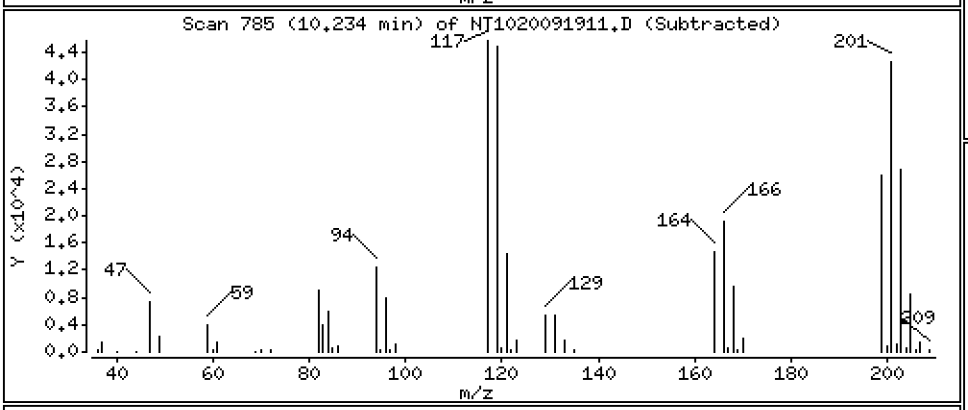
Column phase: ZB-5msi

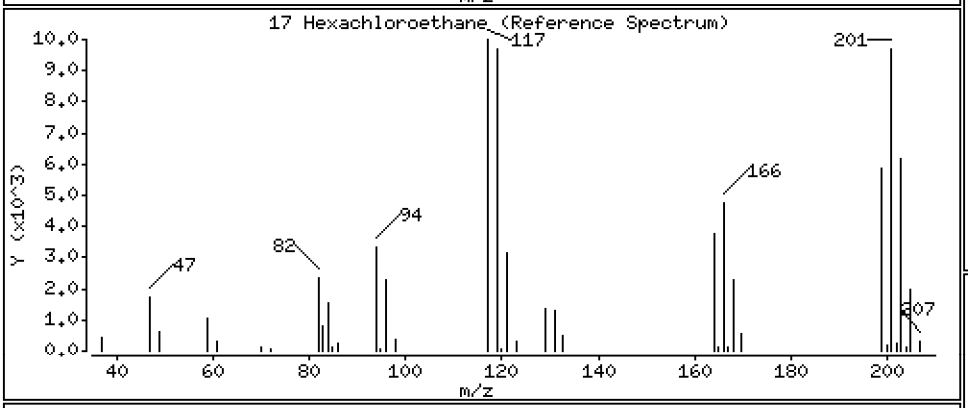
Column diameter: 0.25

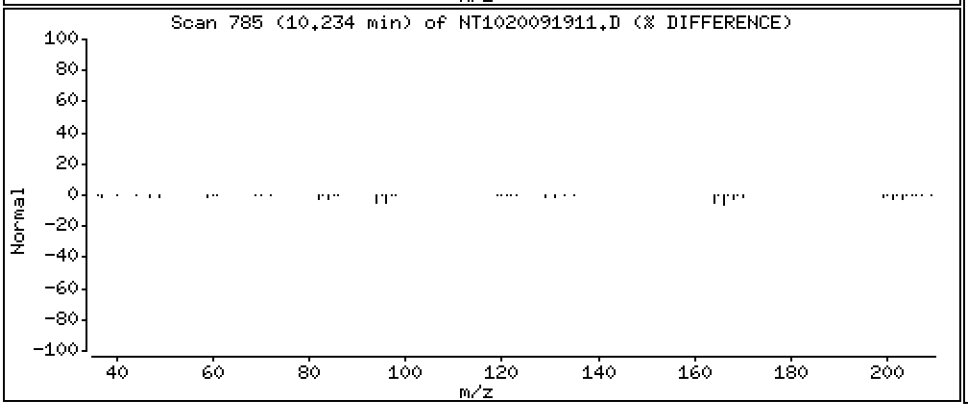
17 Hexachloroethane

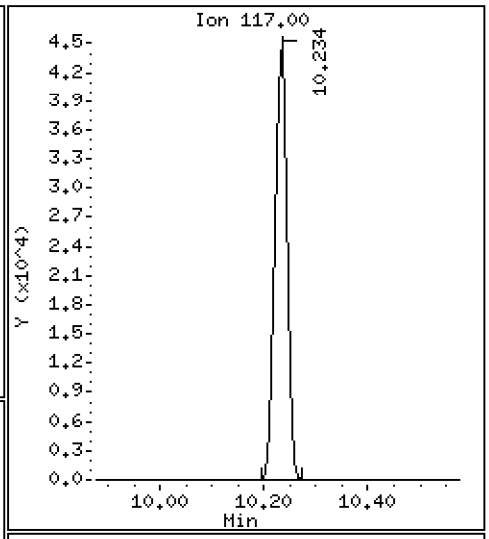
Concentration: 4.686 ug/mL

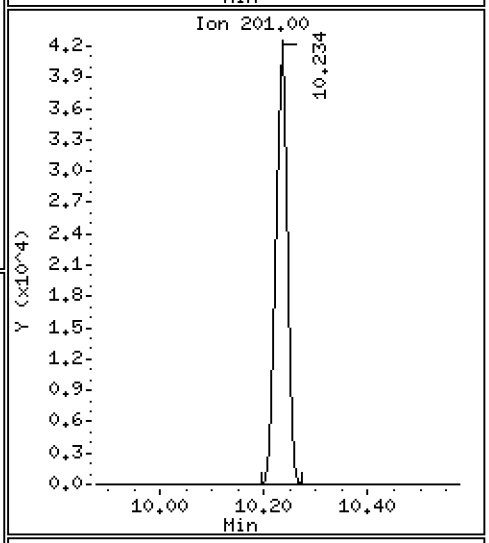


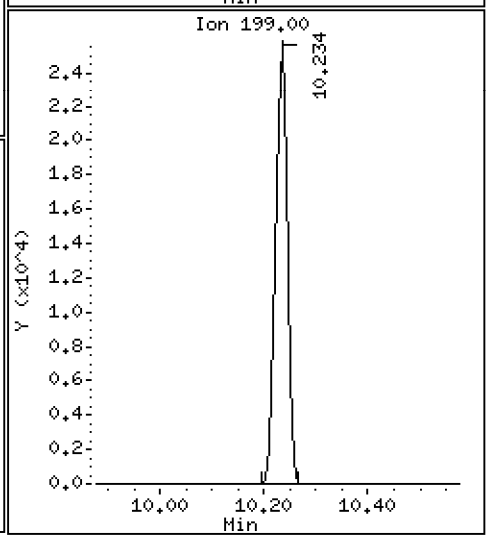












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

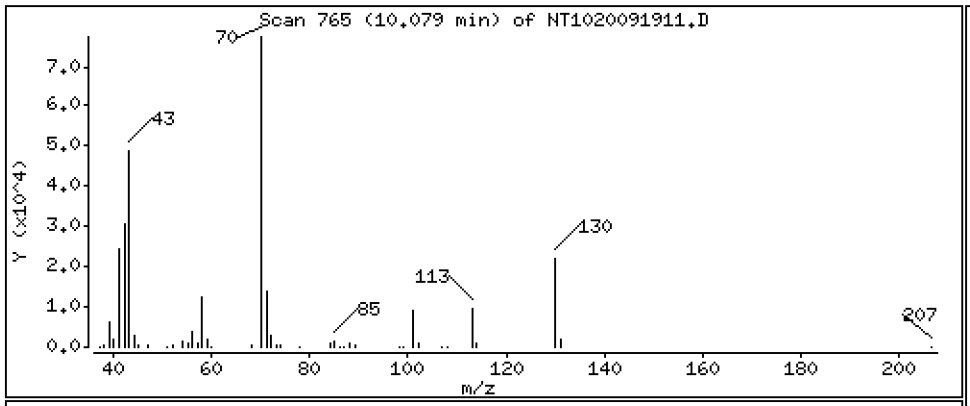
Operator: VTS

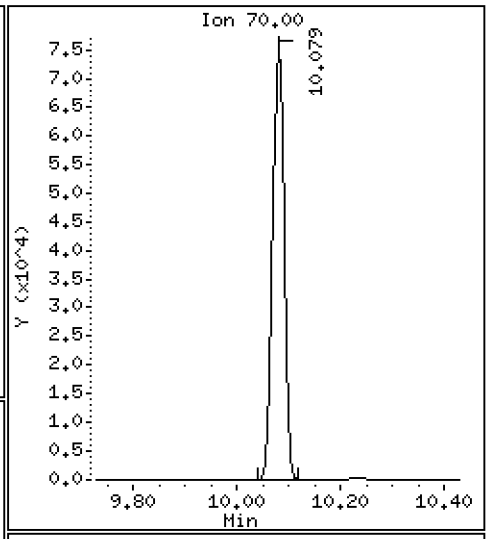
Column phase: ZB-5msi

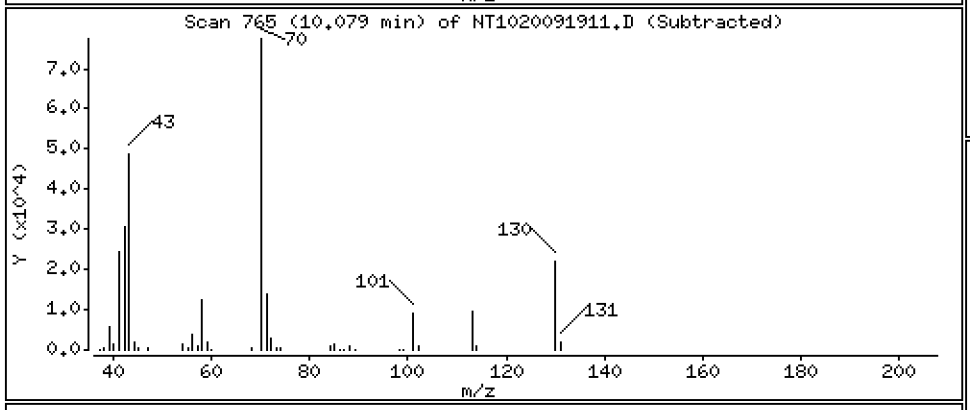
Column diameter: 0.25

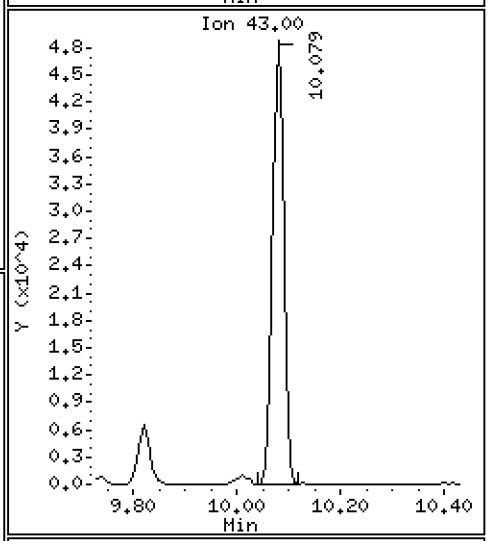
16 N-Nitroso-di-n-propylamine

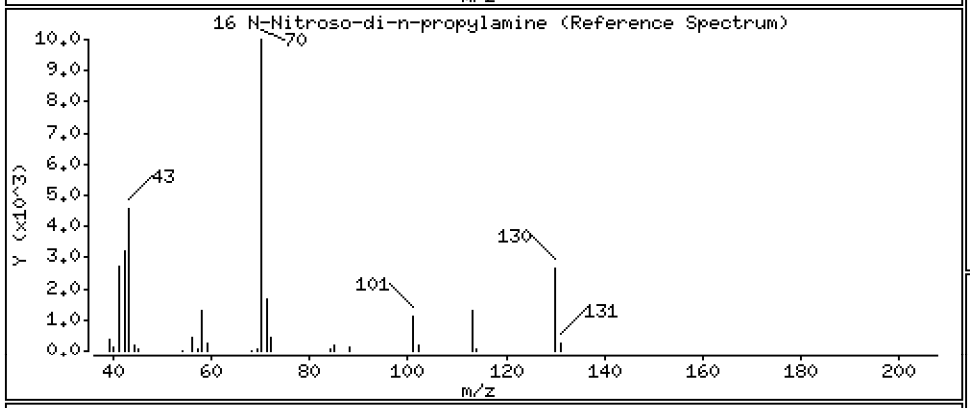
Concentration: 4.852 ug/mL

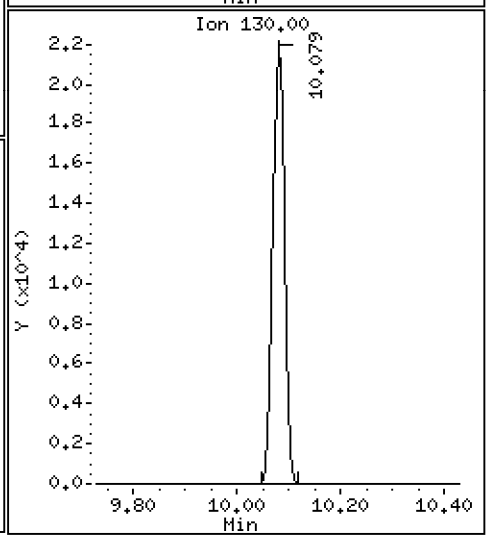


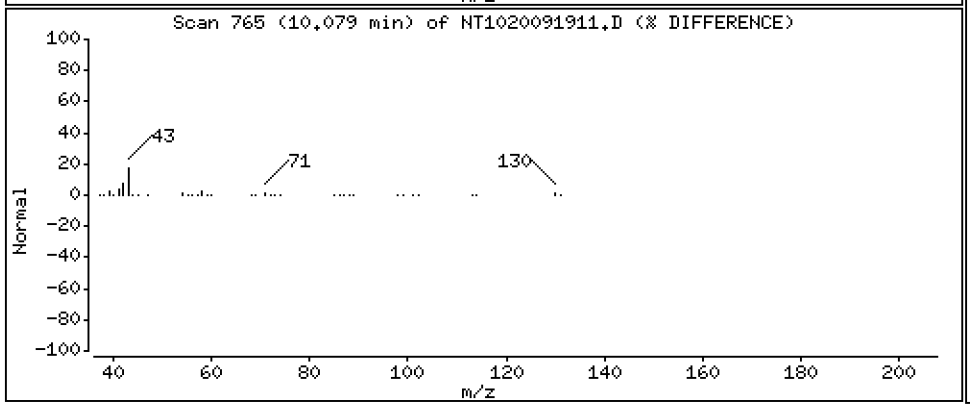












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

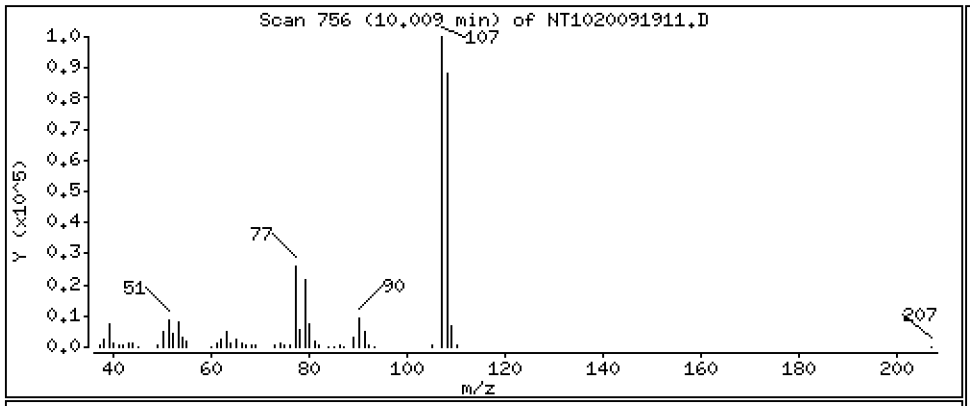
Operator: VTS

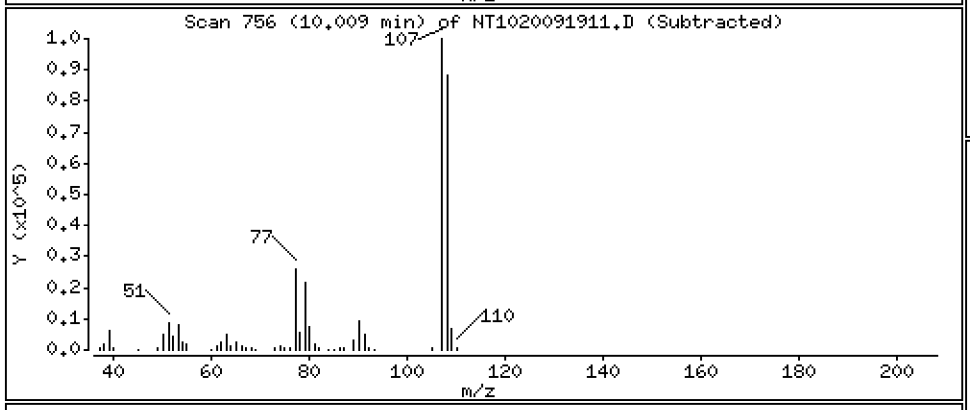
Column phase: ZB-5msi

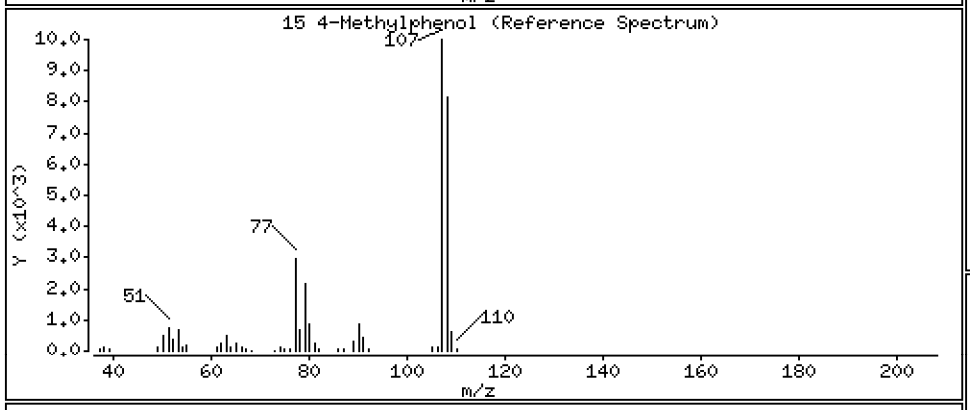
Column diameter: 0.25

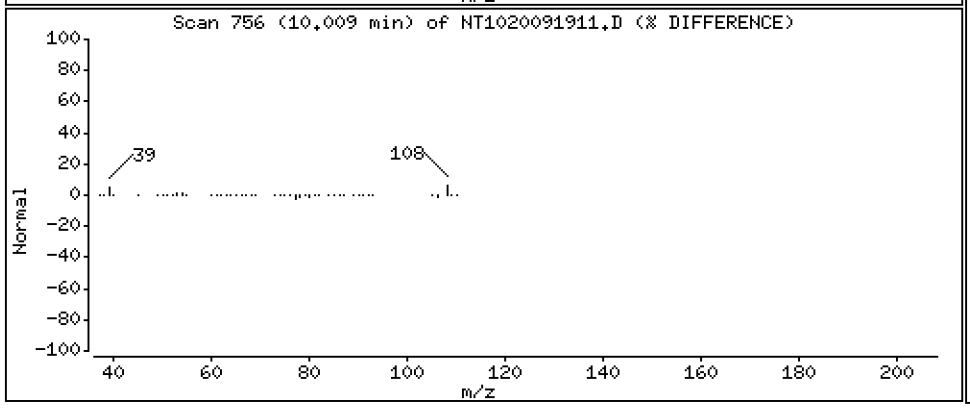
15 4-Methylphenol

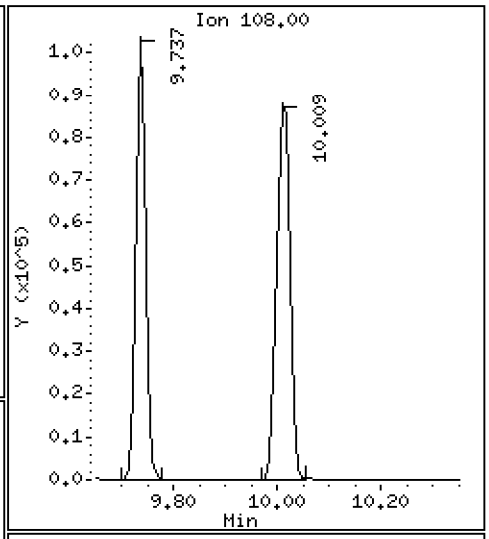
Concentration: 4.823 ug/mL

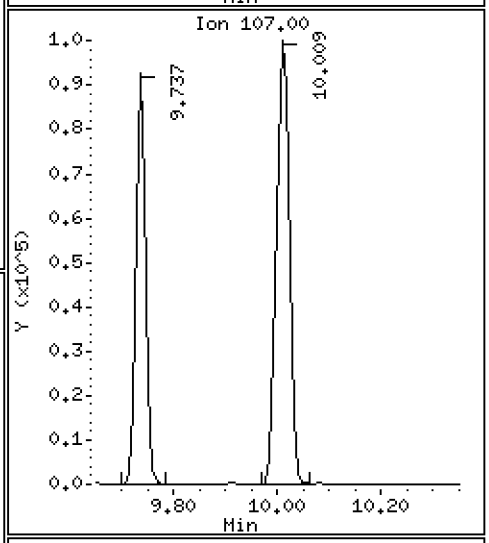


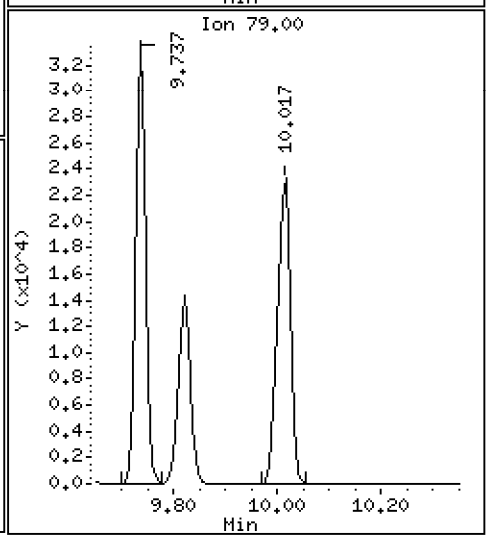












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

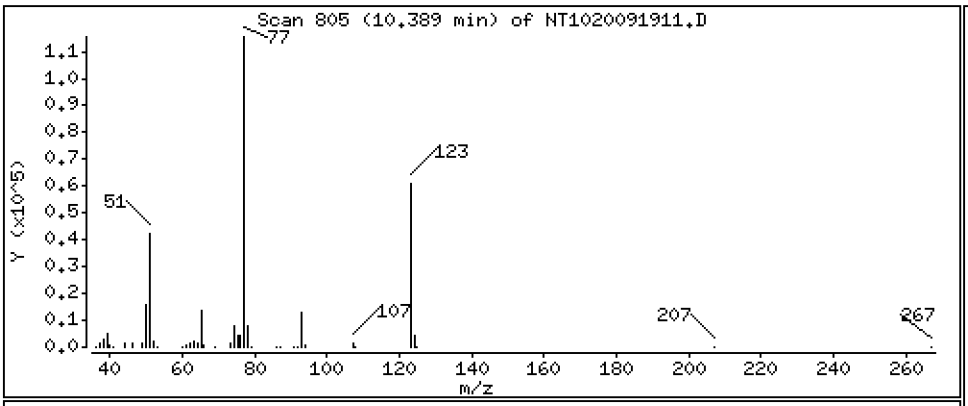
Operator: VTS

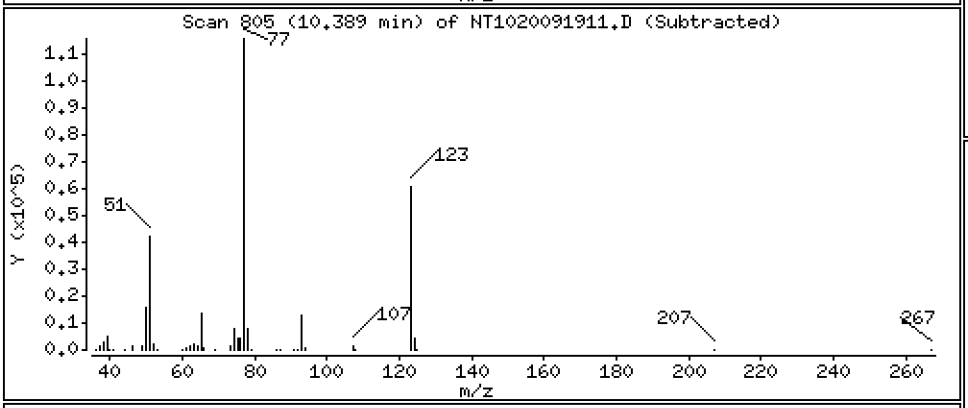
Column phase: ZB-5msi

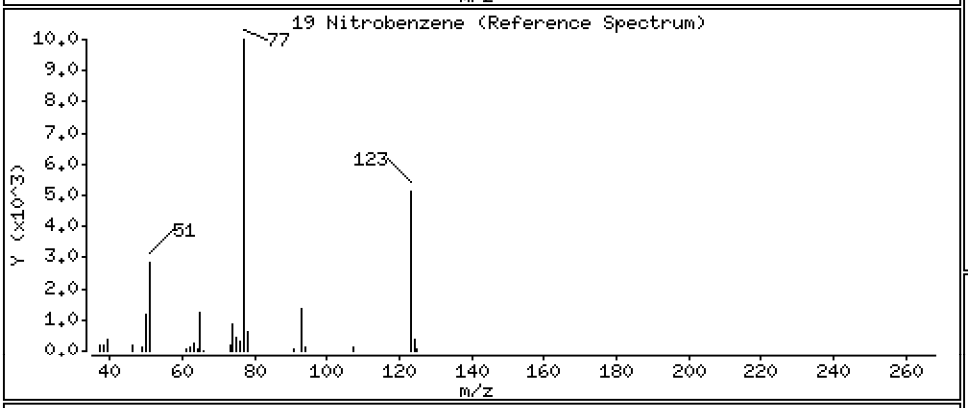
Column diameter: 0.25

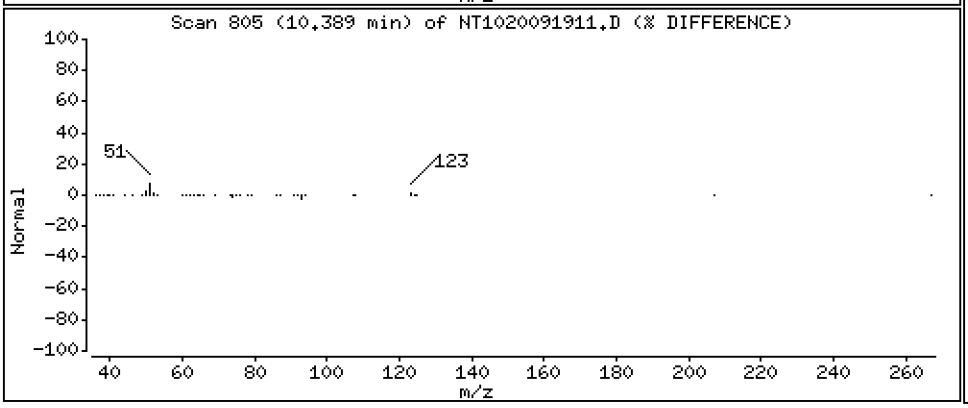
19 Nitrobenzene

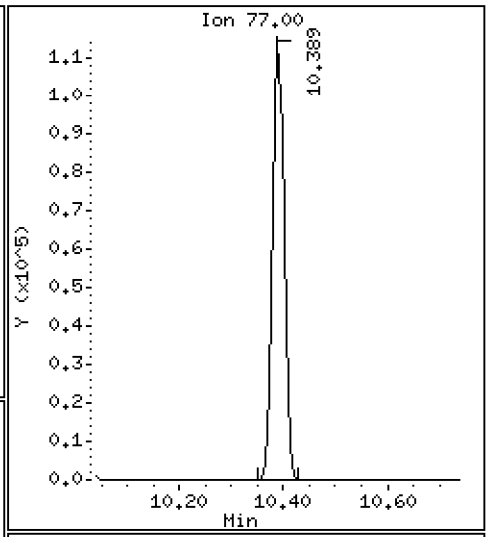
Concentration: 4.512 ug/mL

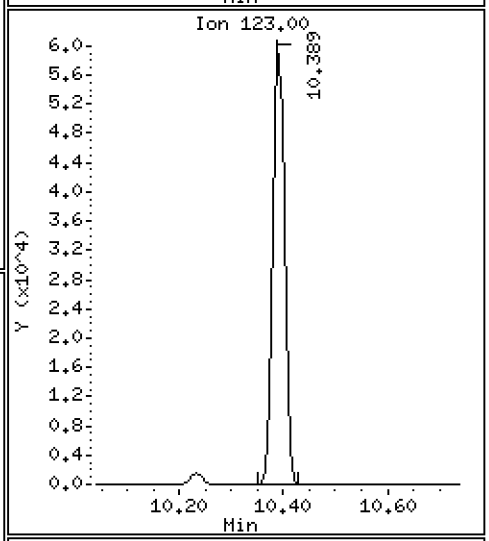


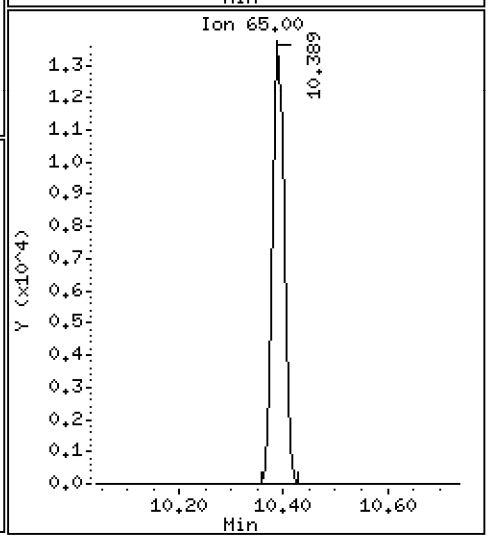












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

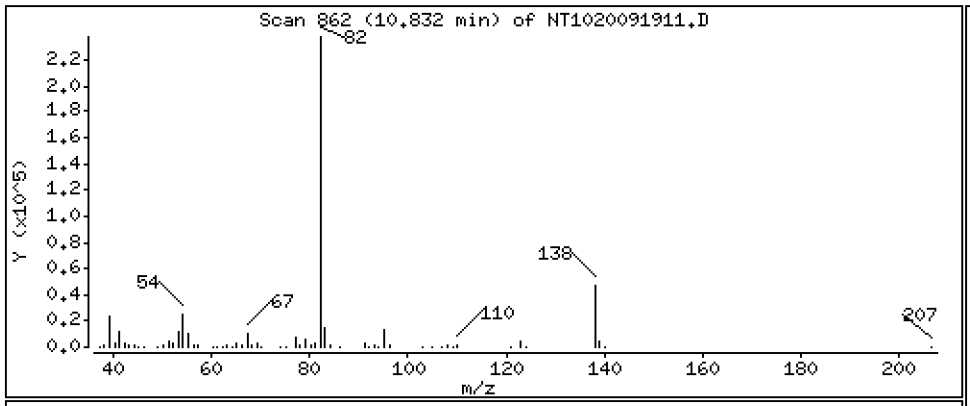
Operator: VTS

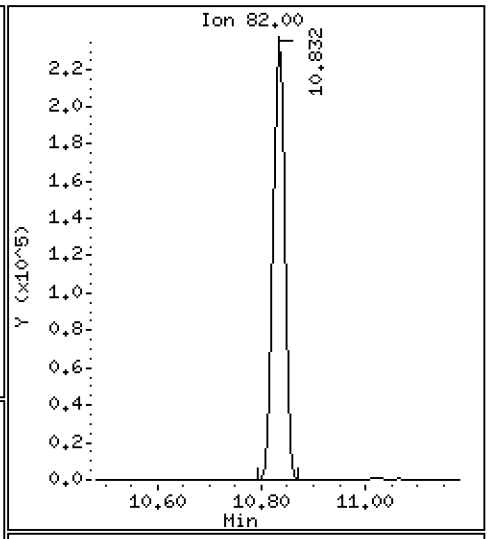
Column phase: ZB-5msi

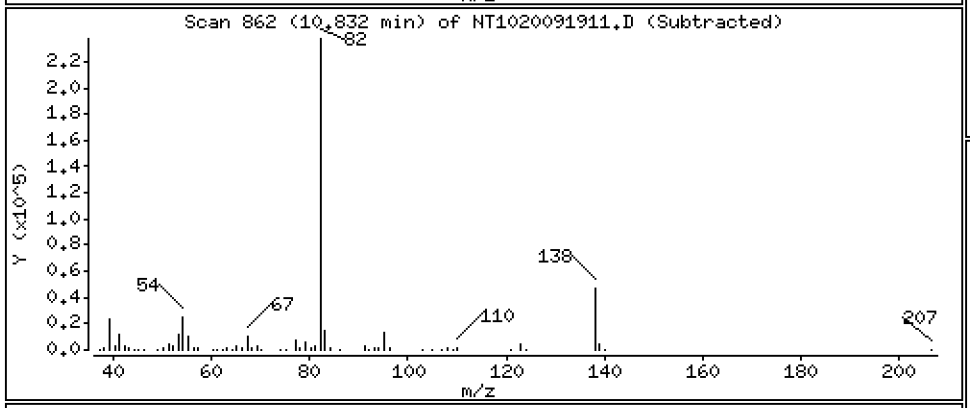
Column diameter: 0.25

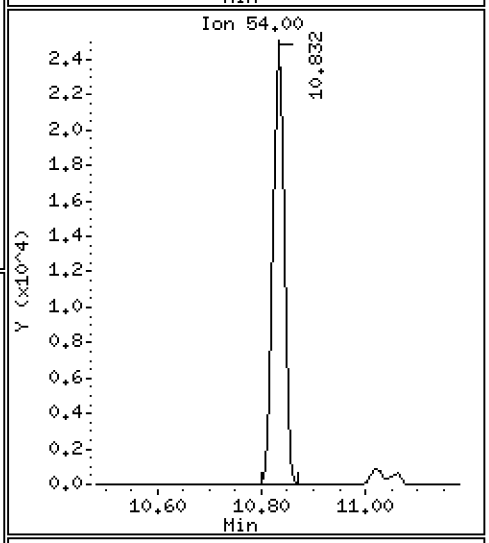
20 Isophorone

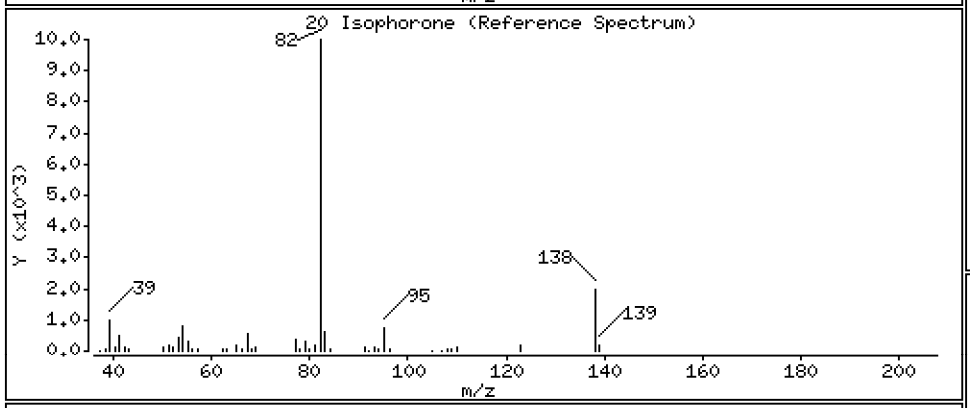
Concentration: 4.795 ug/mL

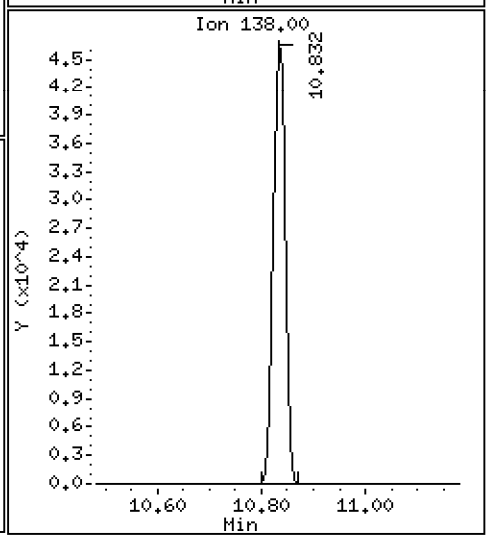


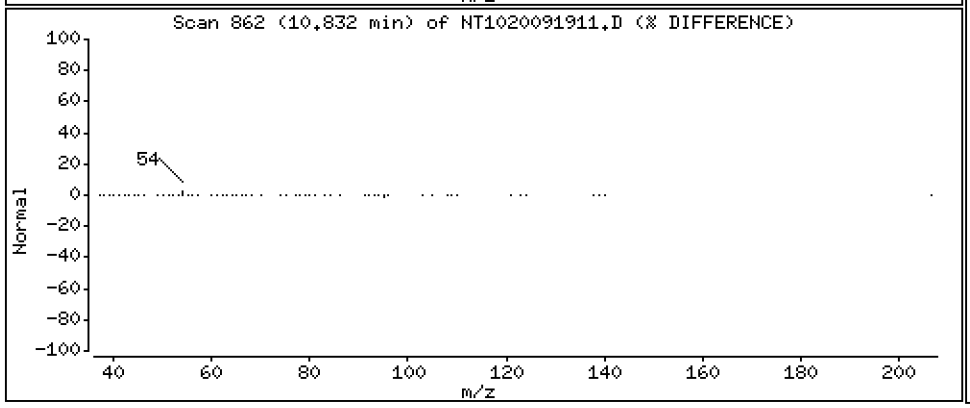












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

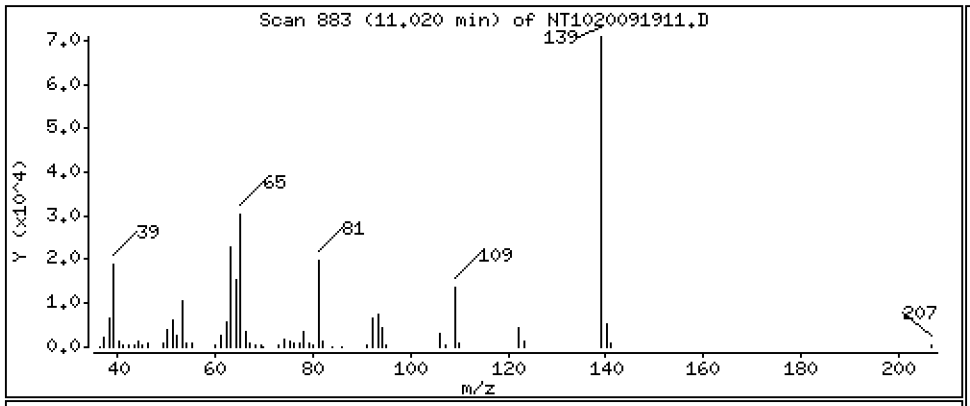
Operator: VTS

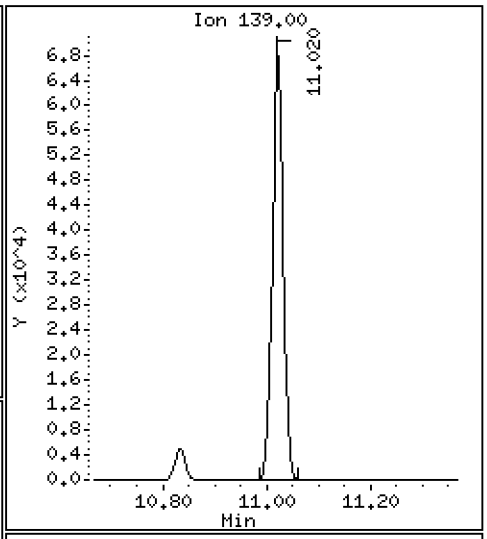
Column phase: ZB-5msi

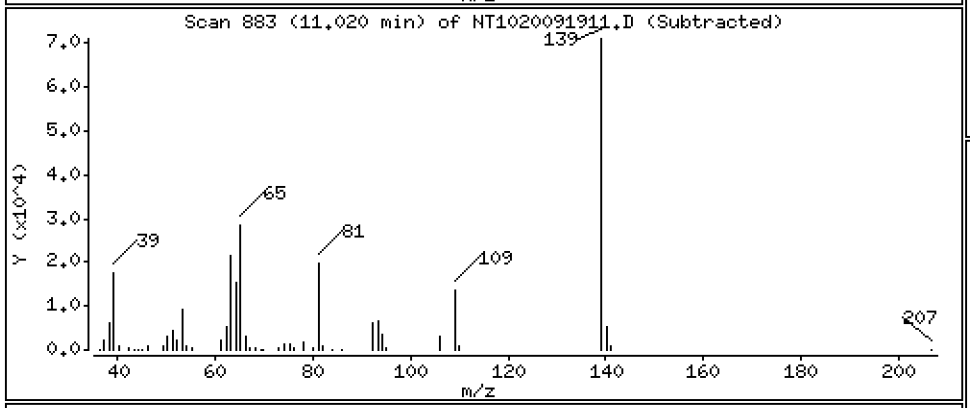
Column diameter: 0.25

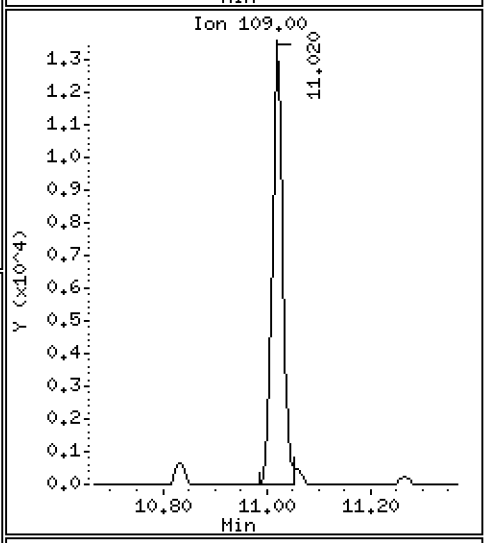
21 2-Nitrophenol

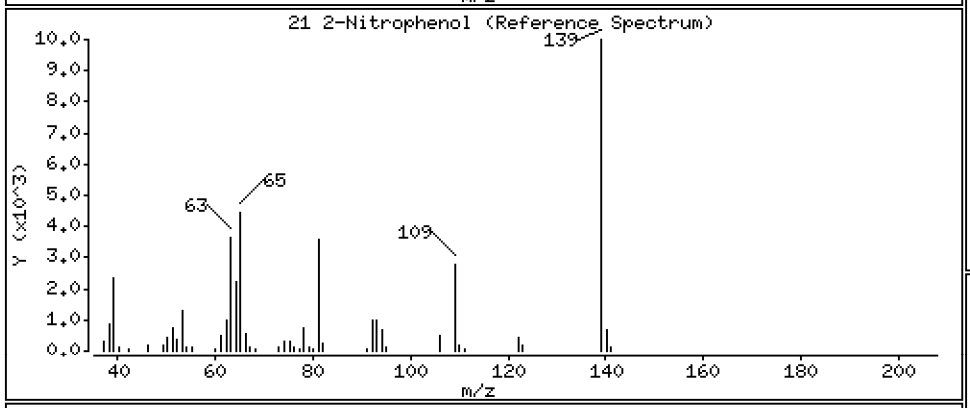
Concentration: 4.743 ug/mL

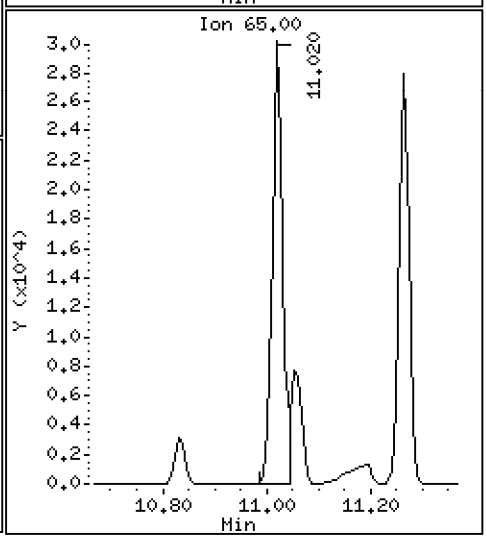


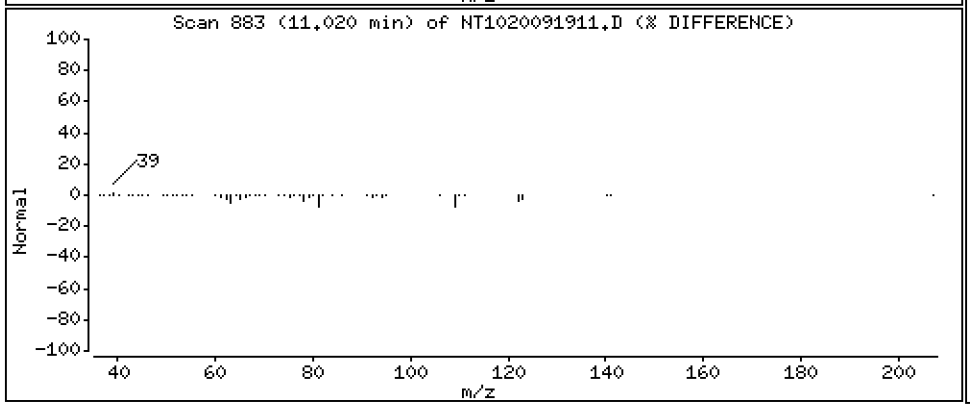












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

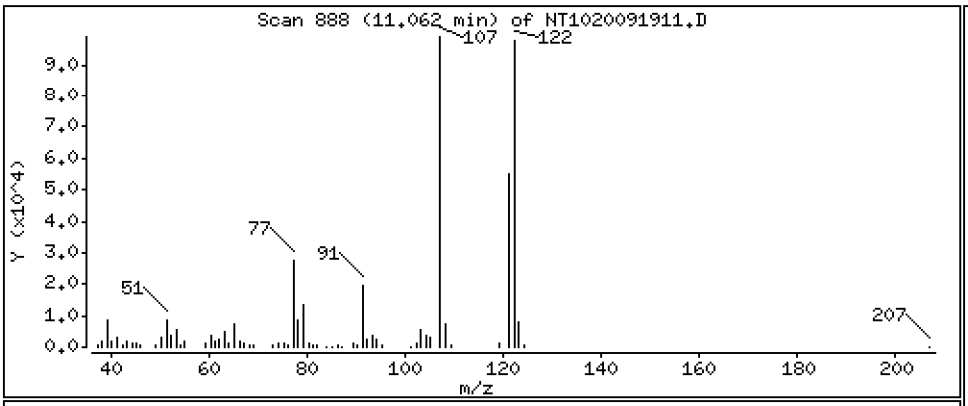
Operator: VTS

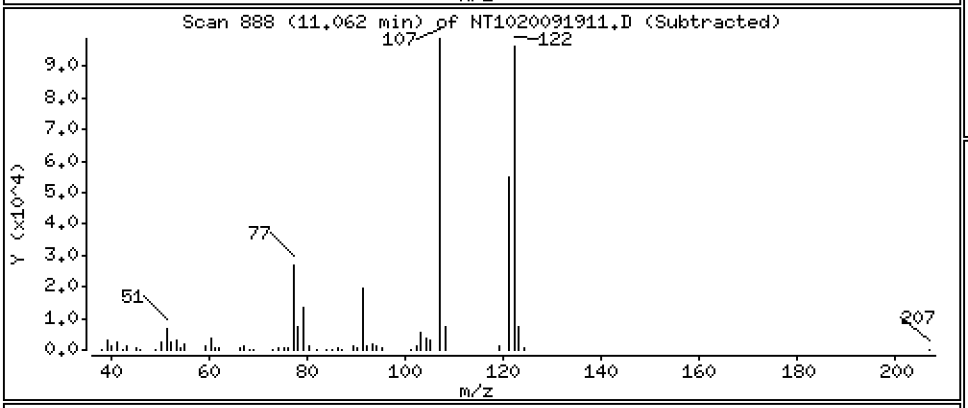
Column phase: ZB-5msi

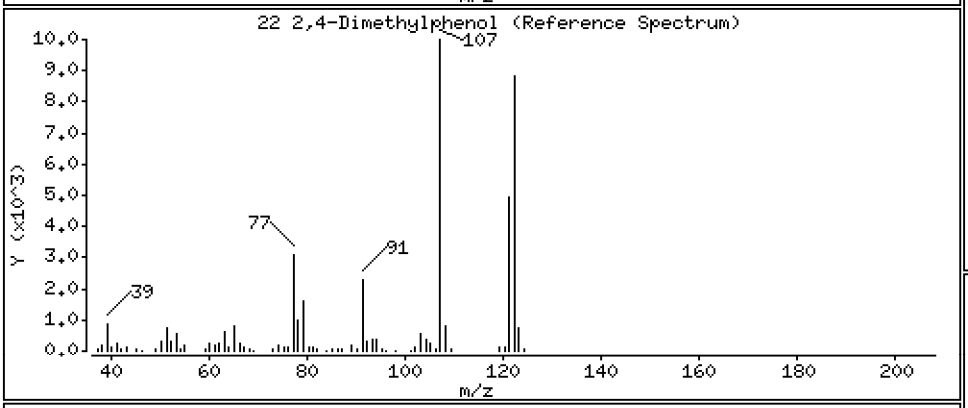
Column diameter: 0.25

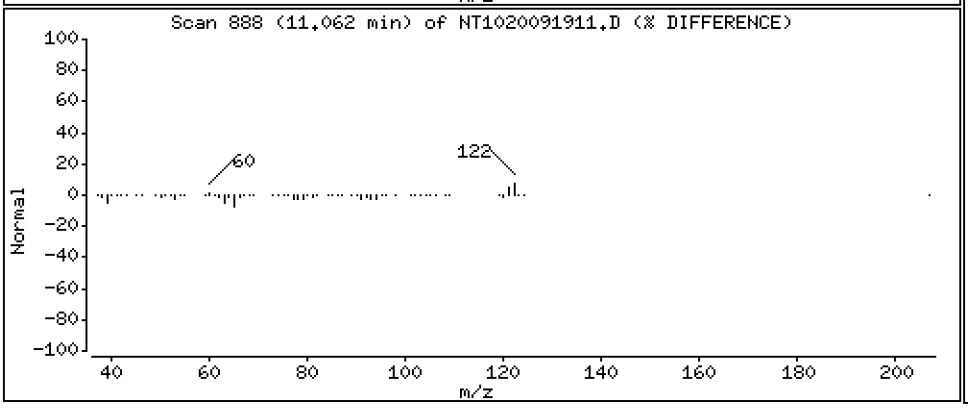
22 2,4-Dimethylphenol

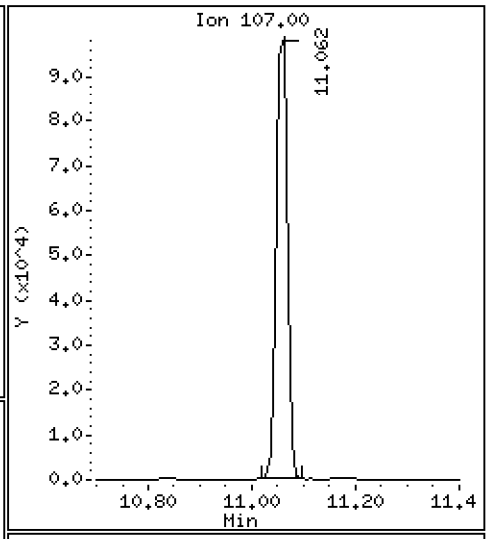
Concentration: 4.730 ug/mL

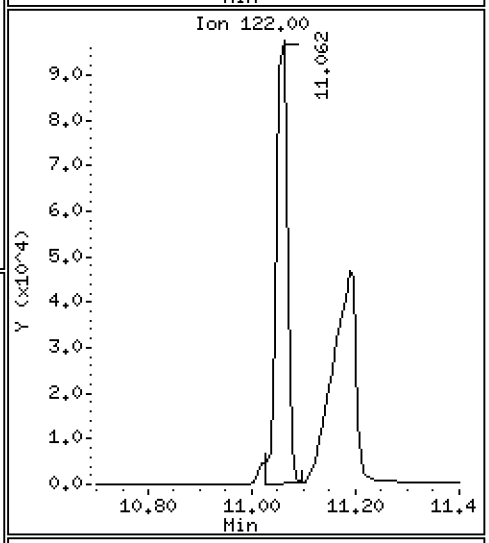


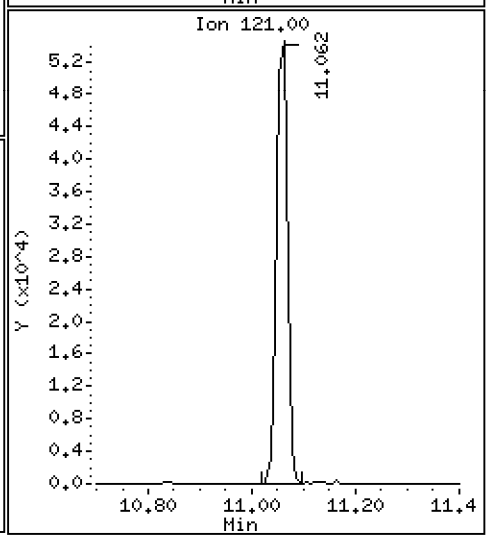












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

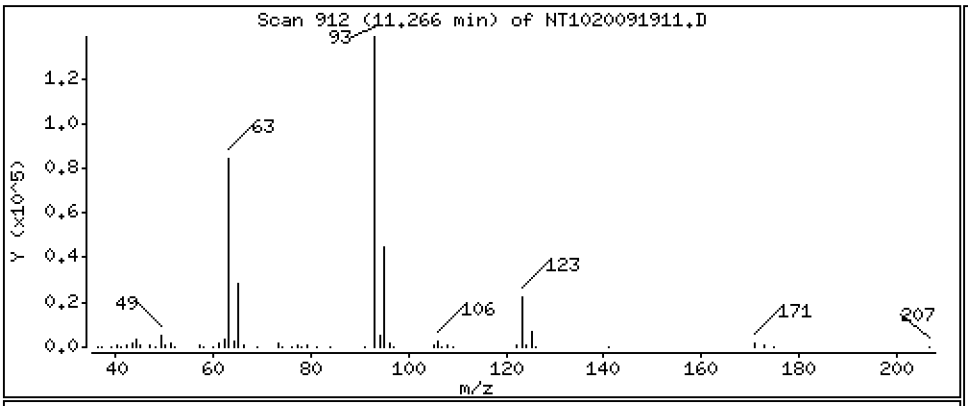
Operator: VTS

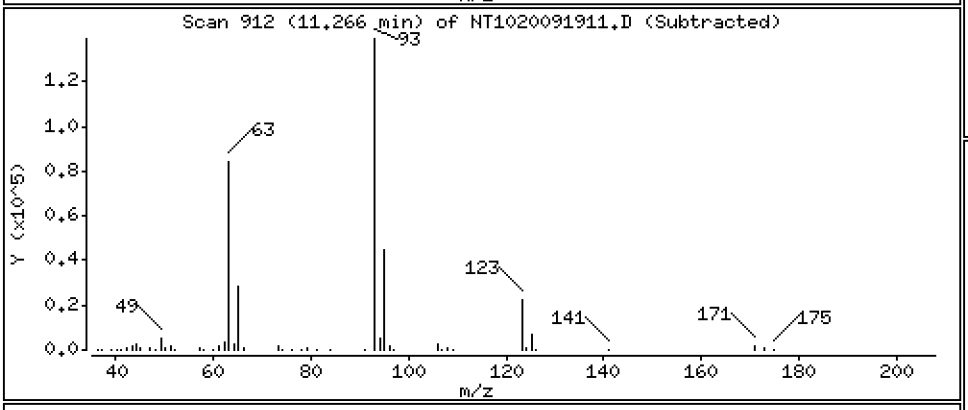
Column phase: ZB-5msi

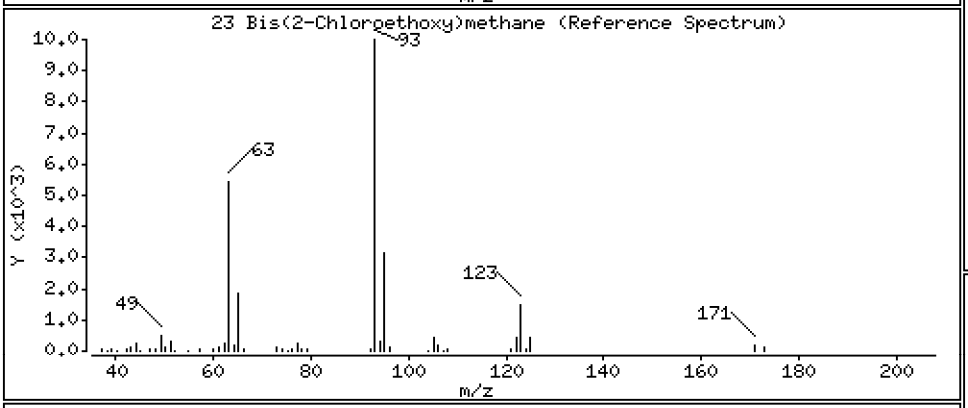
Column diameter: 0.25

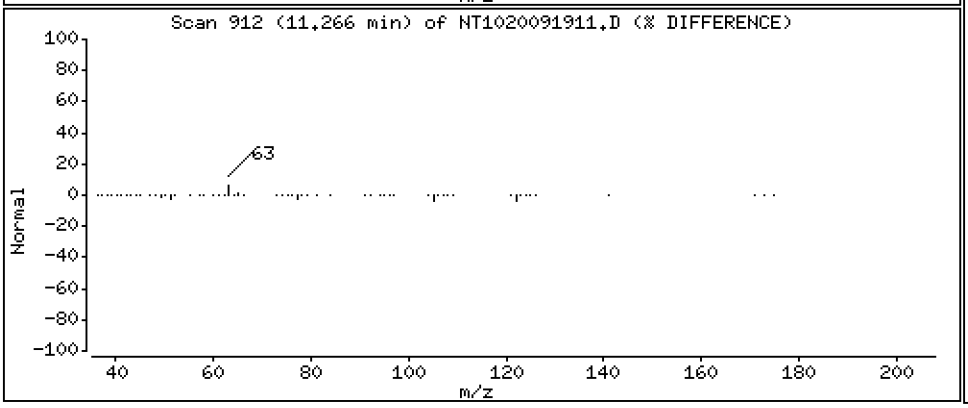
23 Bis(2-Chloroethoxy)methane

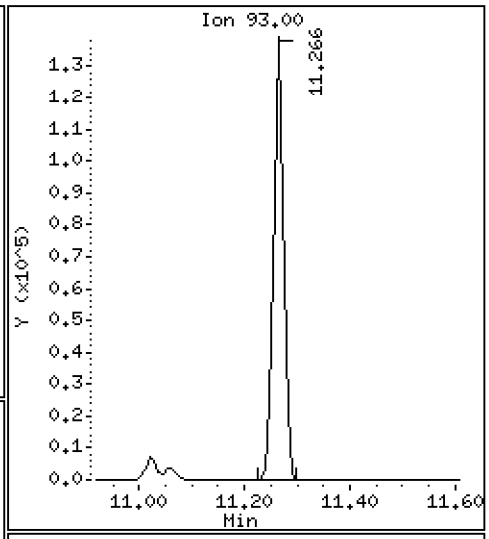
Concentration: 4.895 ug/mL

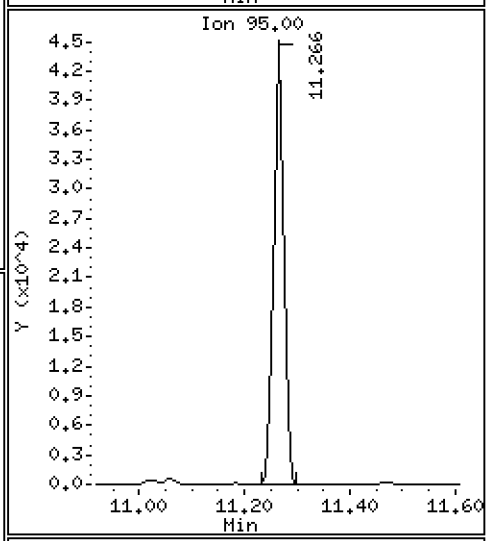


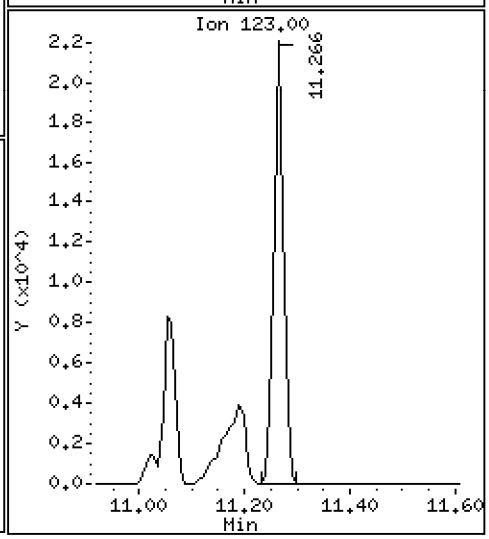












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

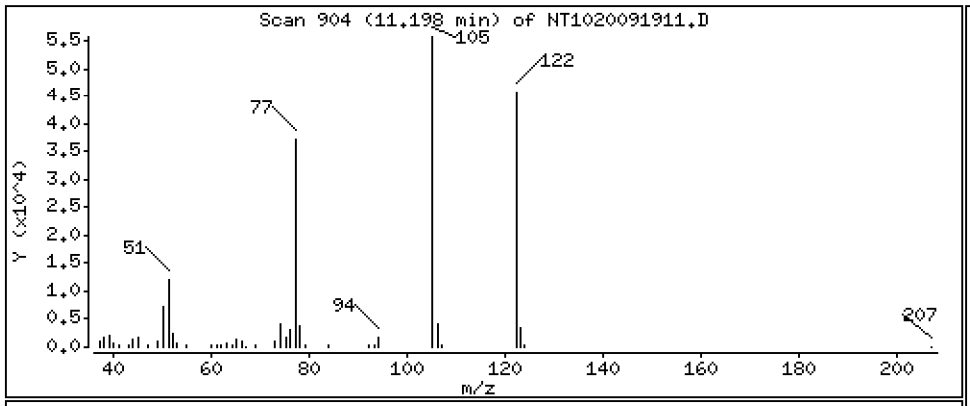
Operator: VTS

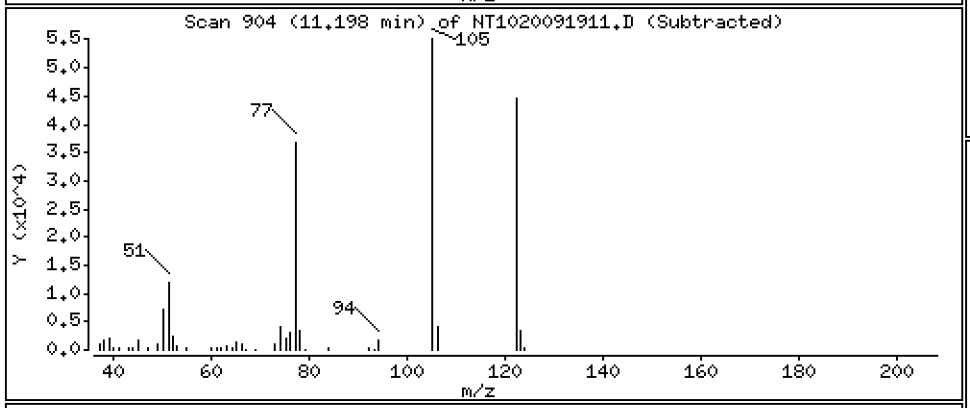
Column phase: ZB-5msi

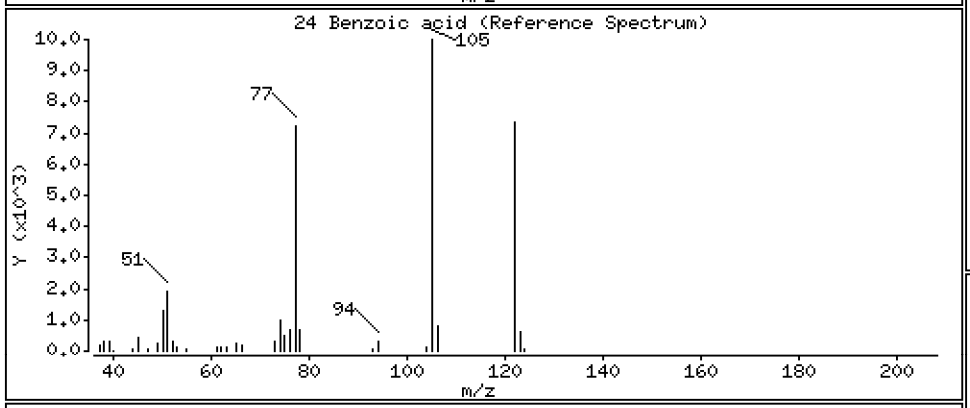
Column diameter: 0.25

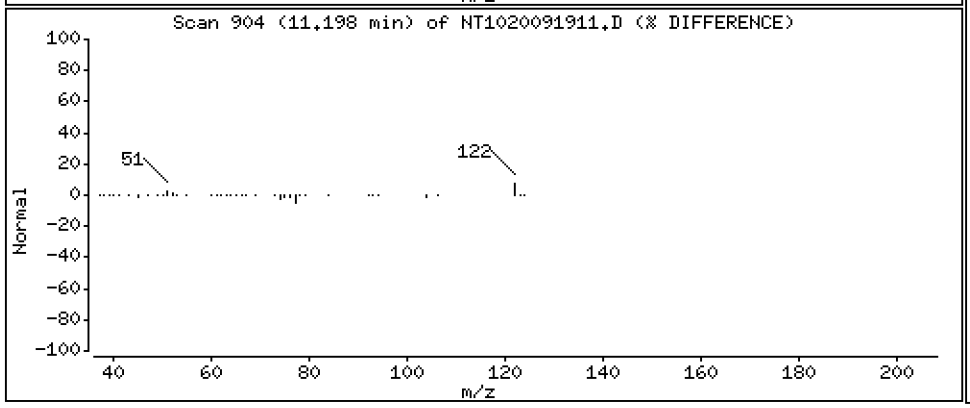
24 Benzoic acid

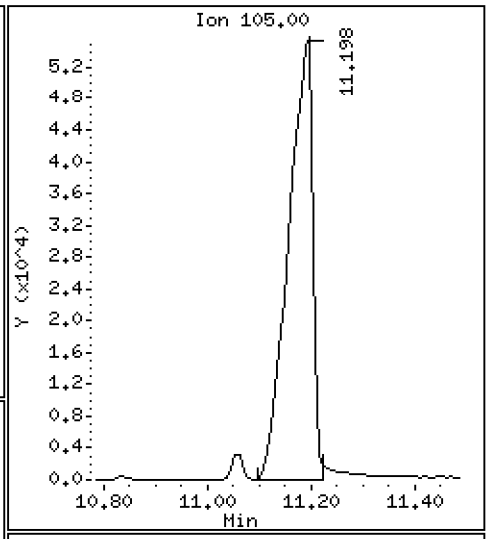
Concentration: 8.445 ug/mL

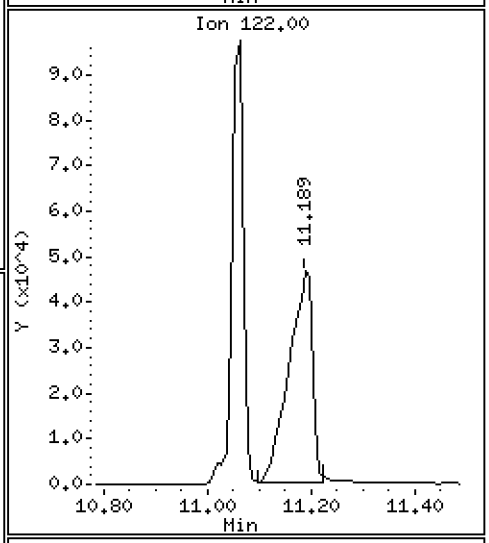


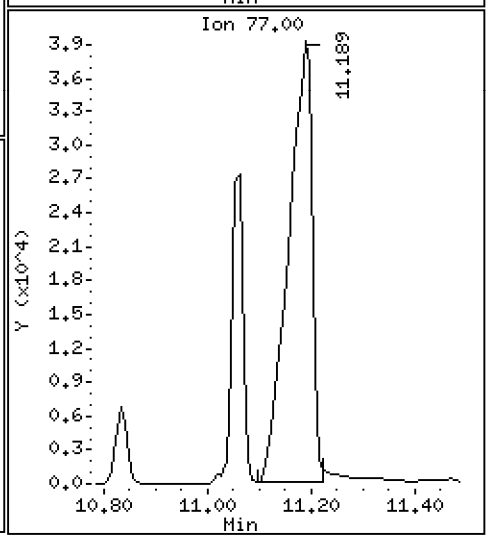












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

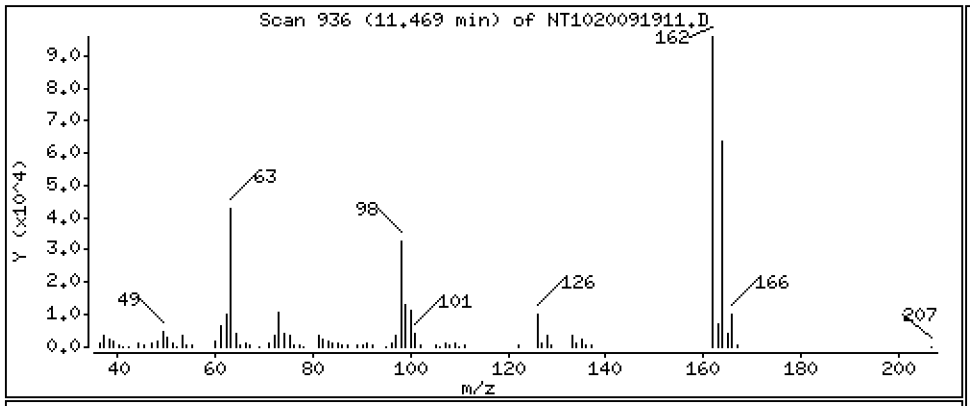
Operator: VTS

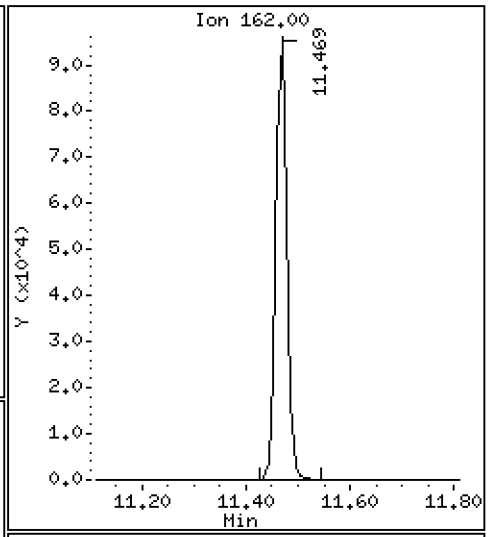
Column phase: ZB-5msi

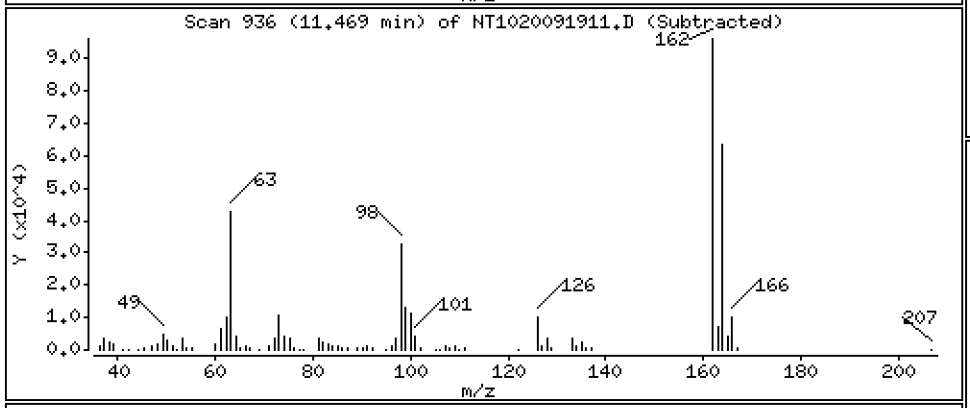
Column diameter: 0.25

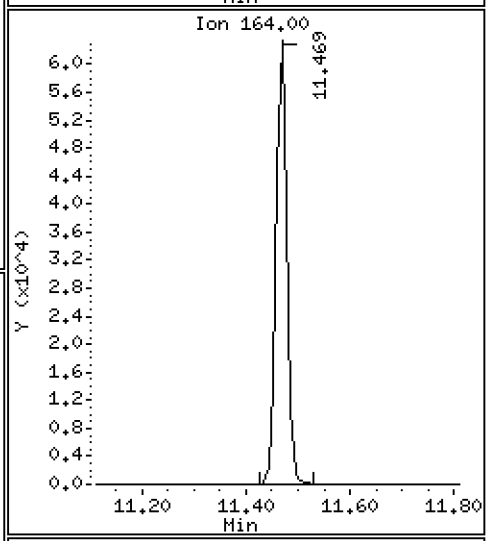
25 2,4-Dichlorophenol

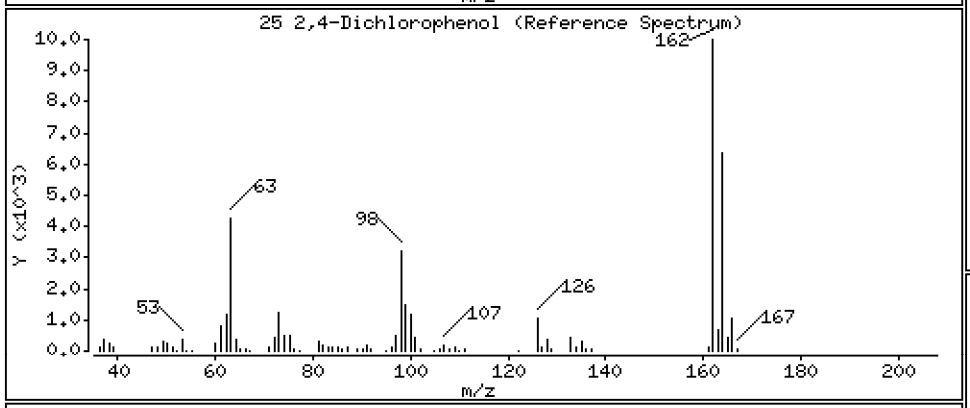
Concentration: 5.041 ug/mL

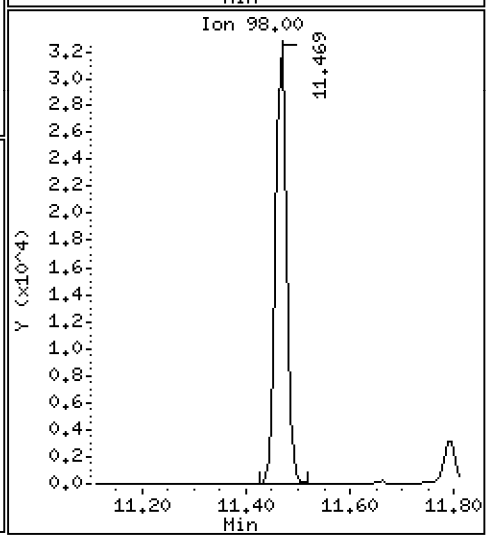


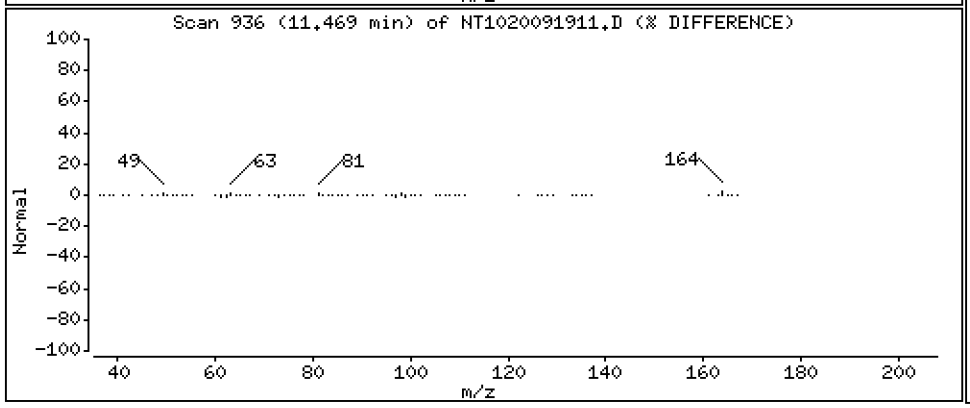












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

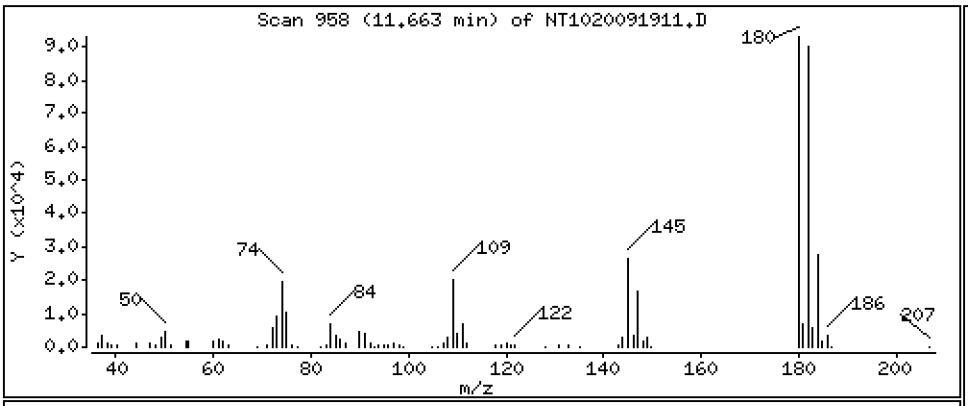
Operator: VTS

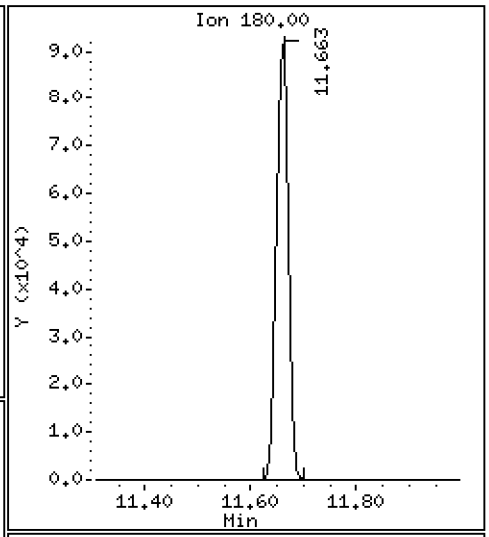
Column phase: ZB-5msi

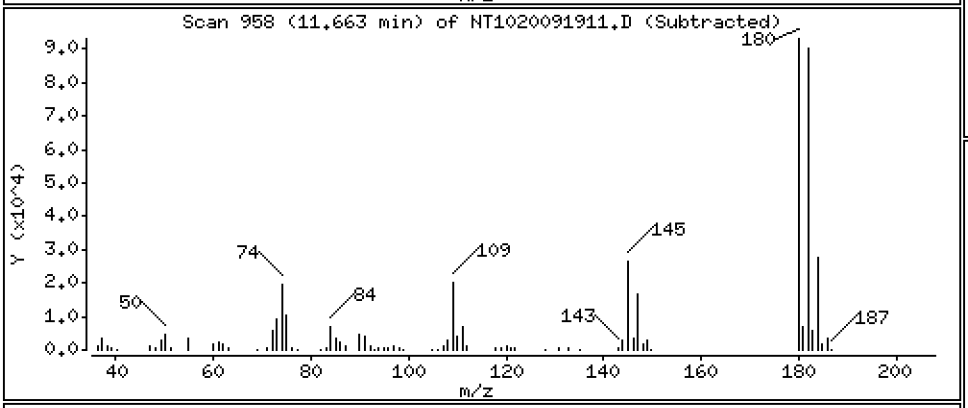
Column diameter: 0.25

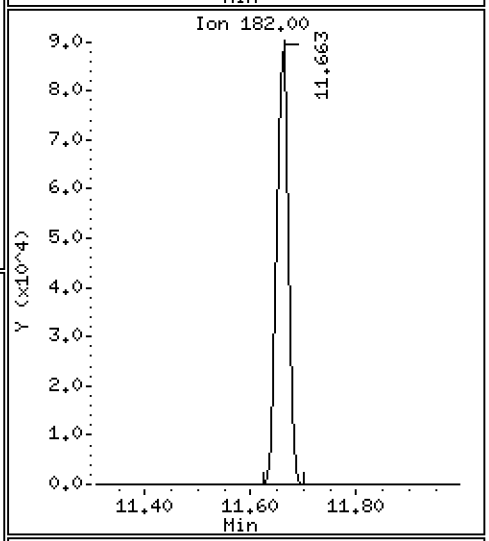
26 1,2,4-Trichlorobenzene

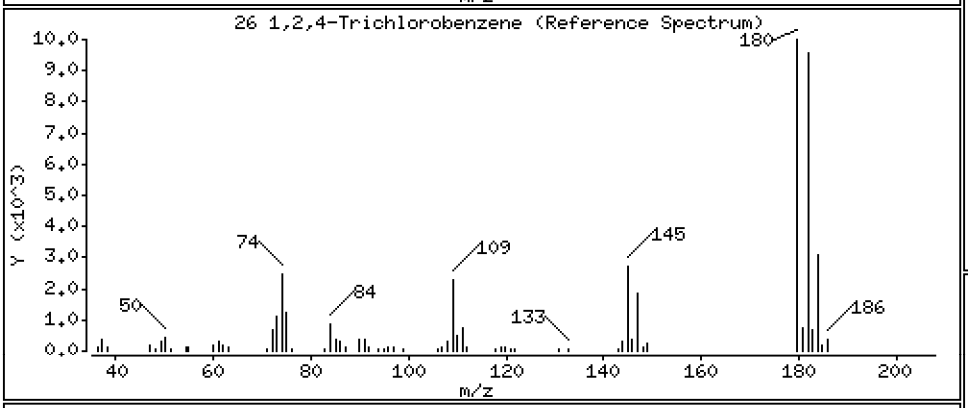
Concentration: 4.684 ug/mL

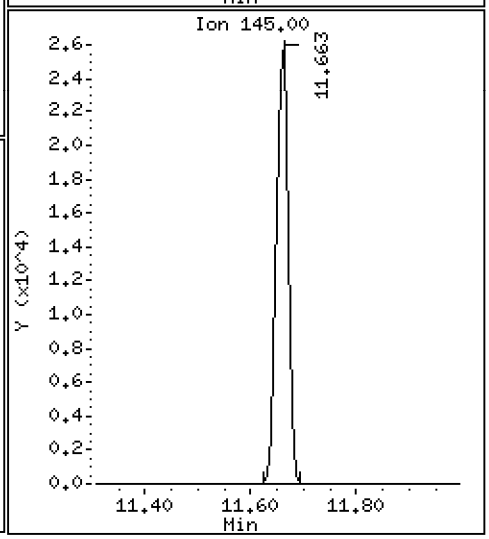


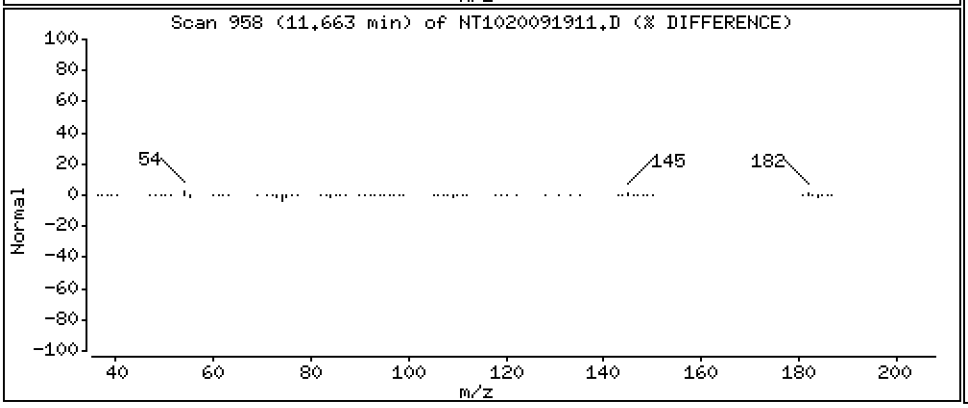












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

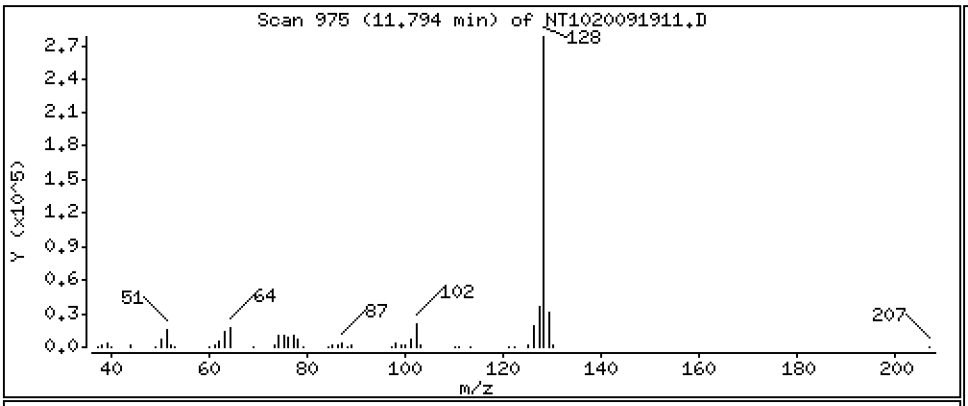
Operator: VTS

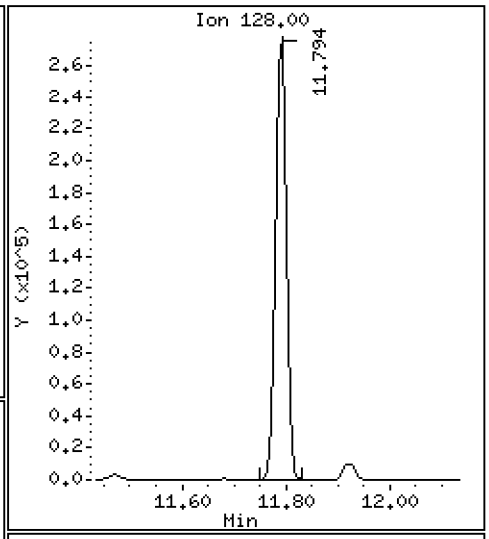
Column phase: ZB-5msi

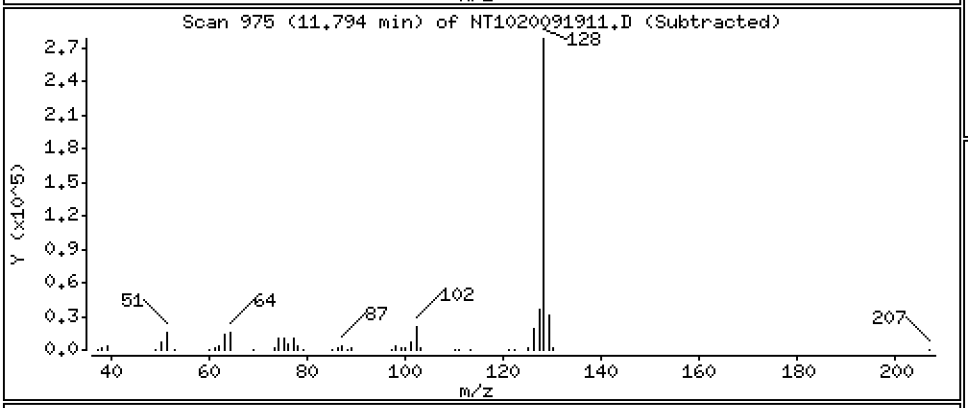
Column diameter: 0.25

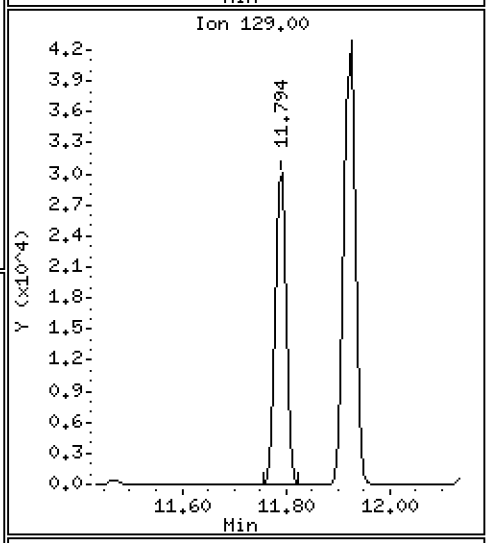
28 Naphthalene

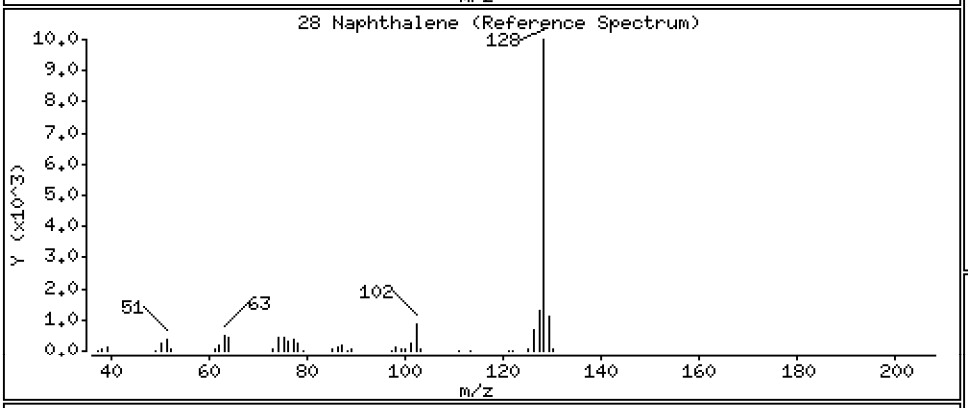
Concentration: 4.856 ug/mL

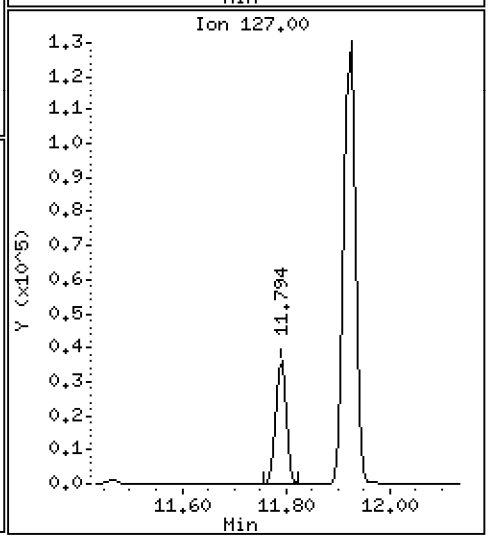


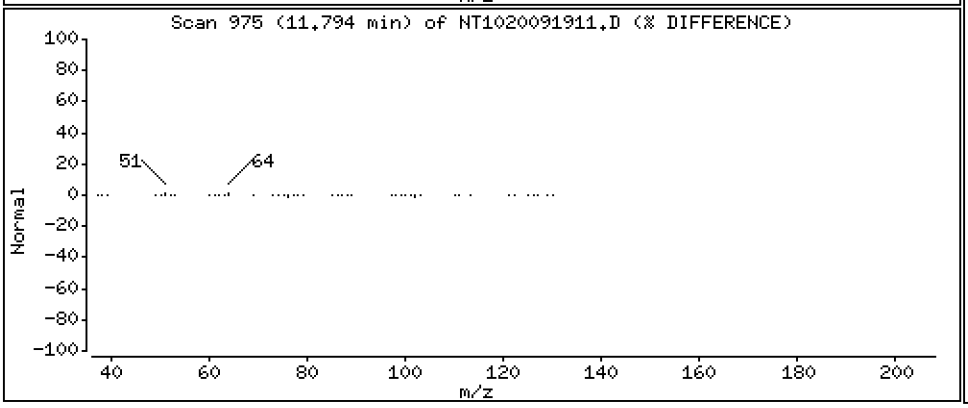












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

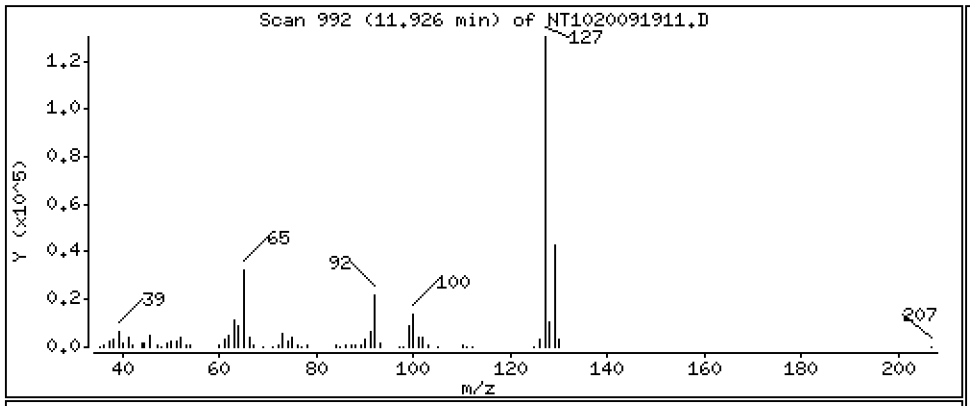
Operator: VTS

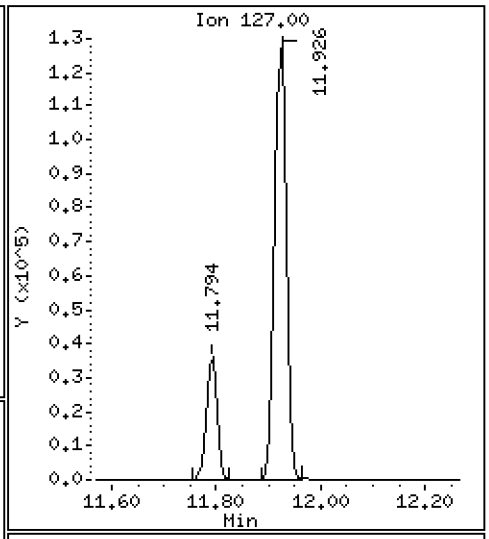
Column phase: ZB-5msi

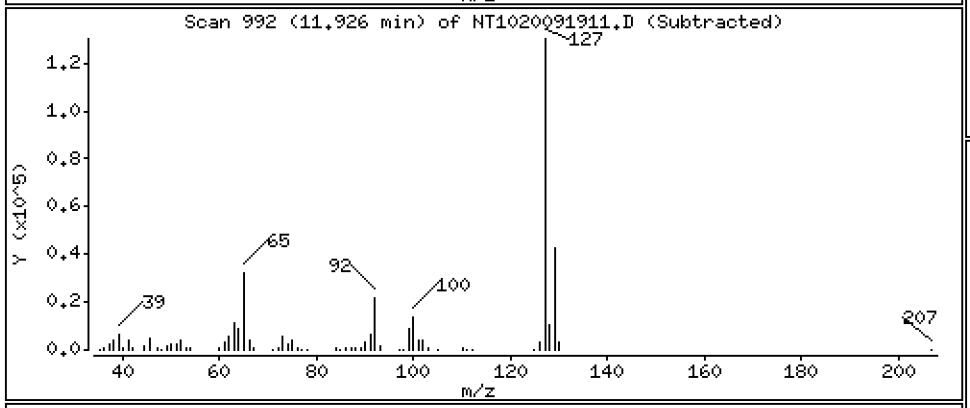
Column diameter: 0.25

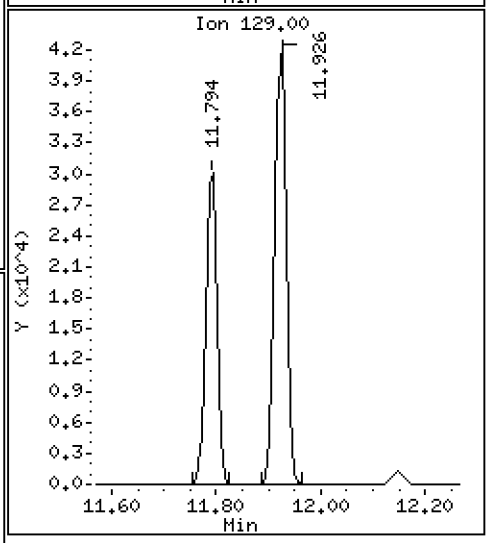
29 4-Chloroaniline

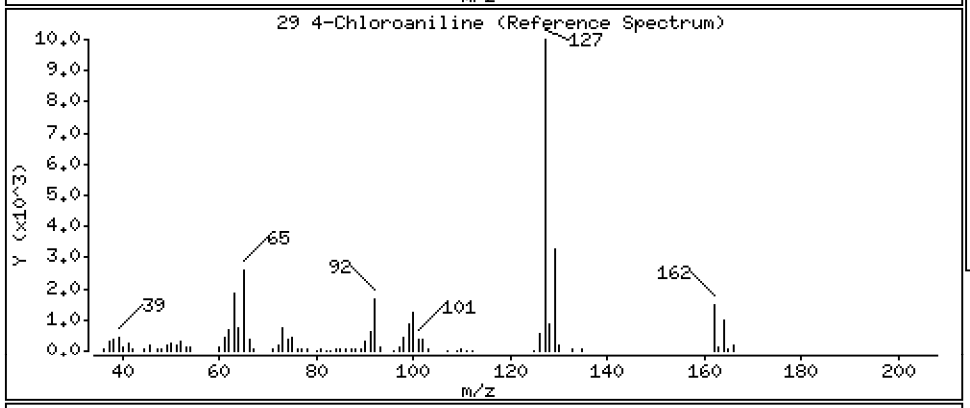
Concentration: 5.258 ug/mL

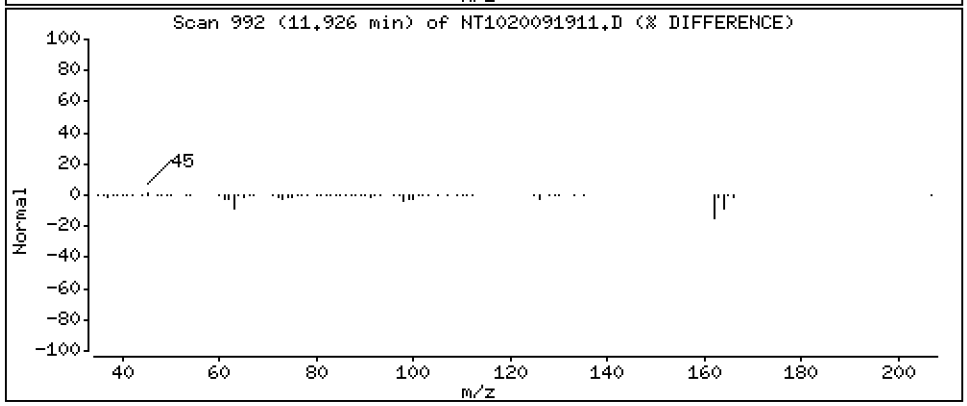












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

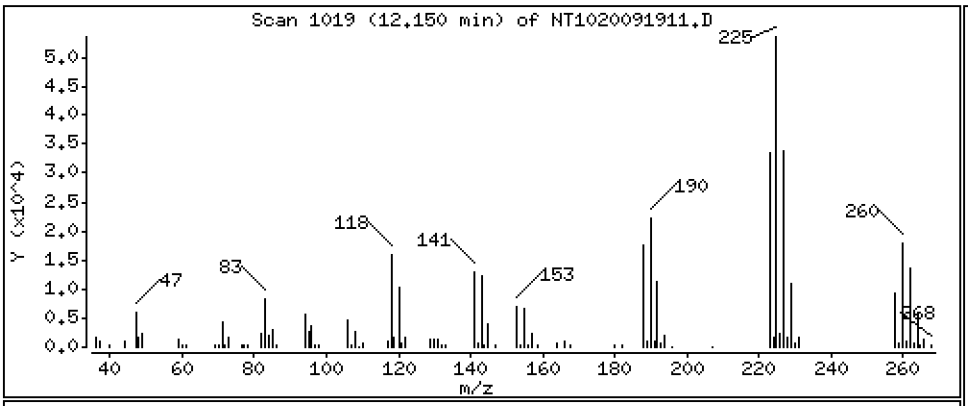
Operator: VTS

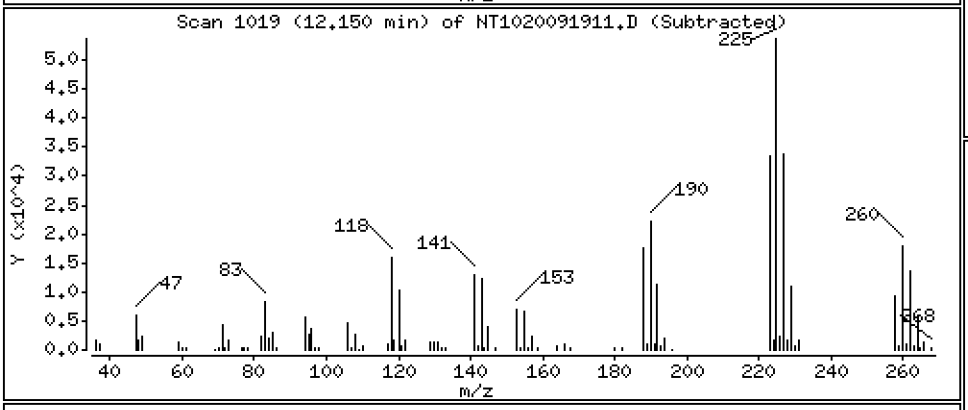
Column phase: ZB-5msi

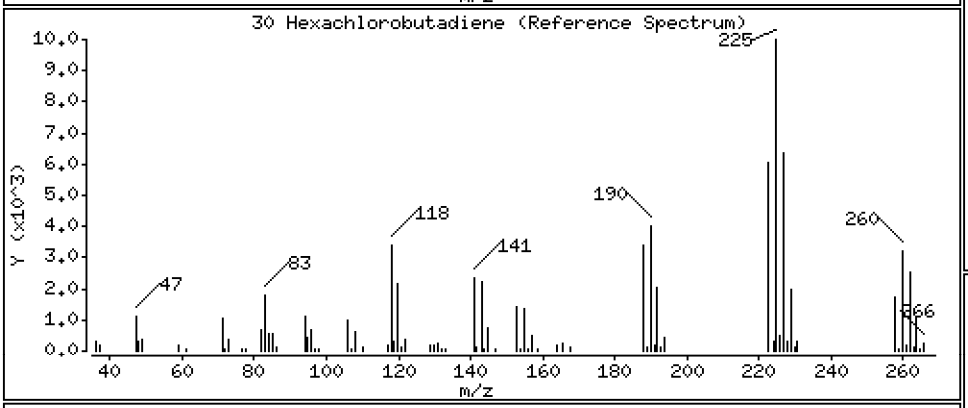
Column diameter: 0.25

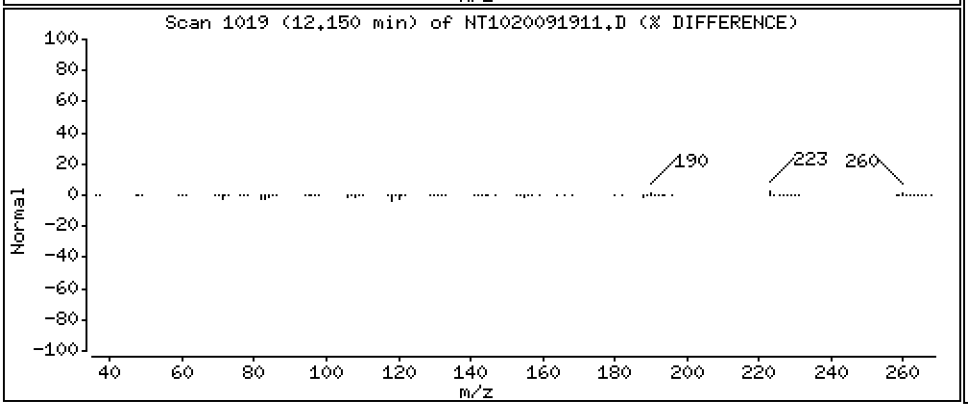
30 Hexachlorobutadiene

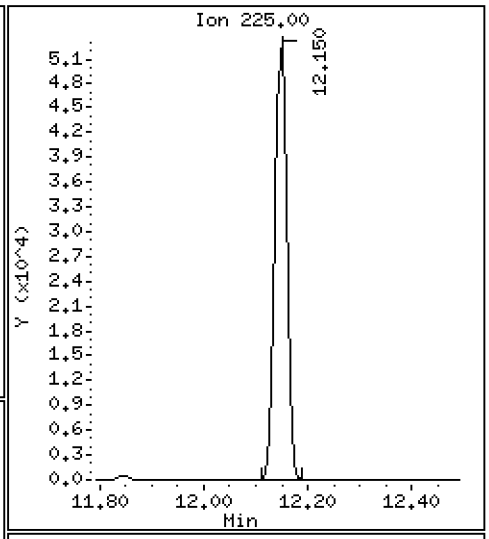
Concentration: 4.793 ug/mL

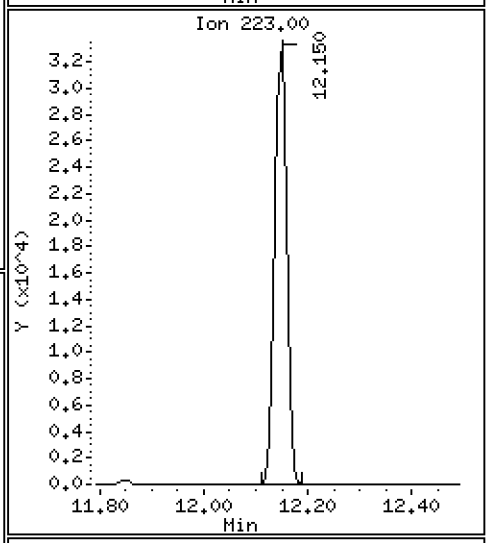


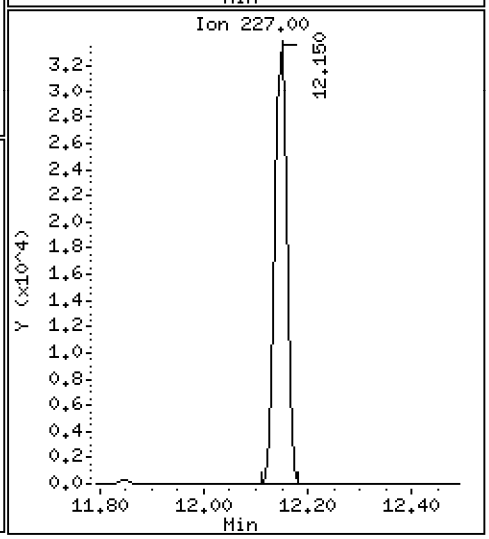












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

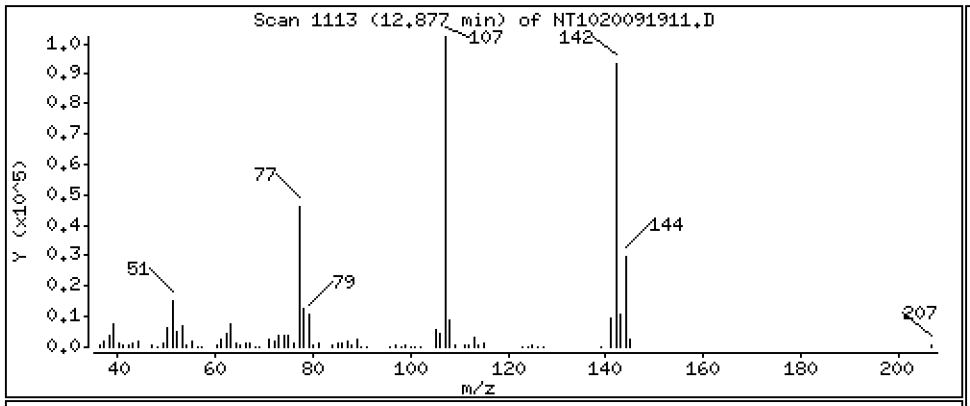
Operator: VTS

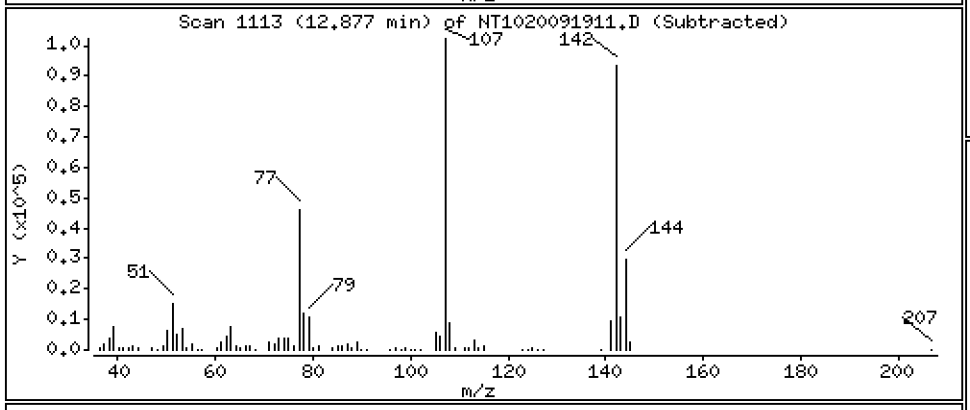
Column phase: ZB-5msi

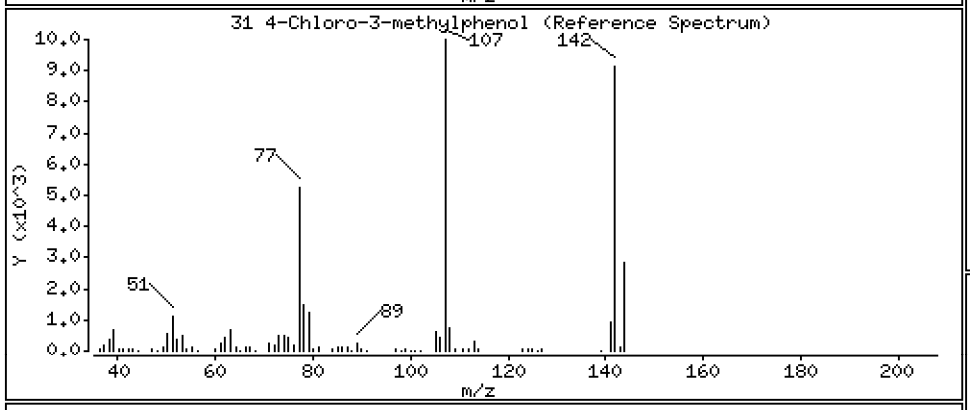
Column diameter: 0.25

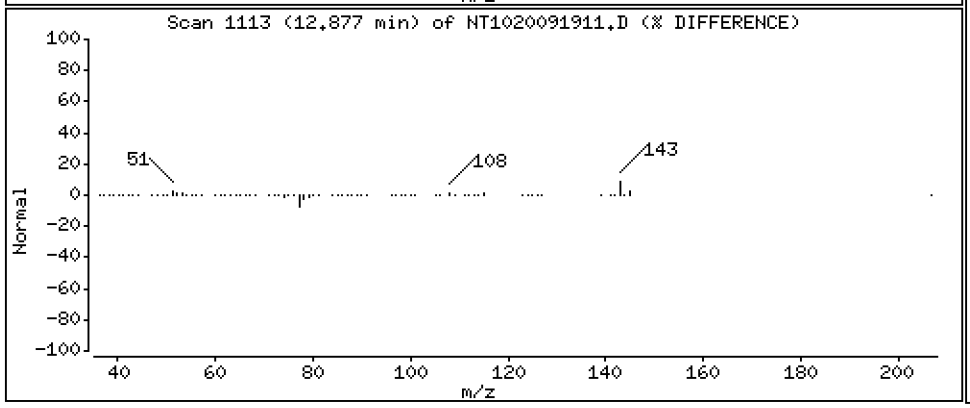
31 4-Chloro-3-methylphenol

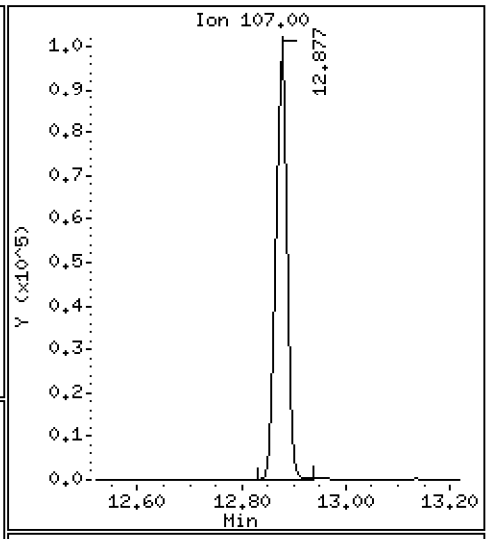
Concentration: 4.870 ug/mL

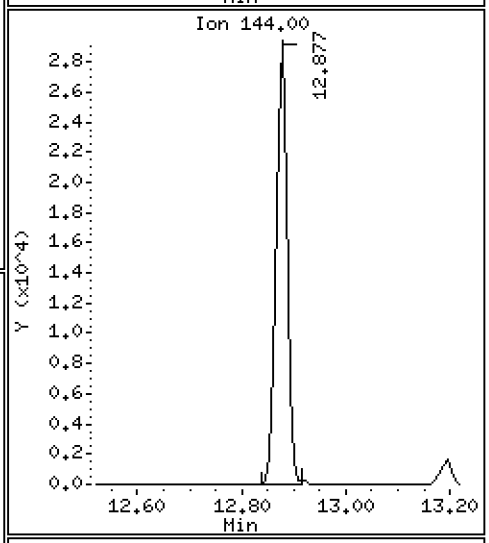


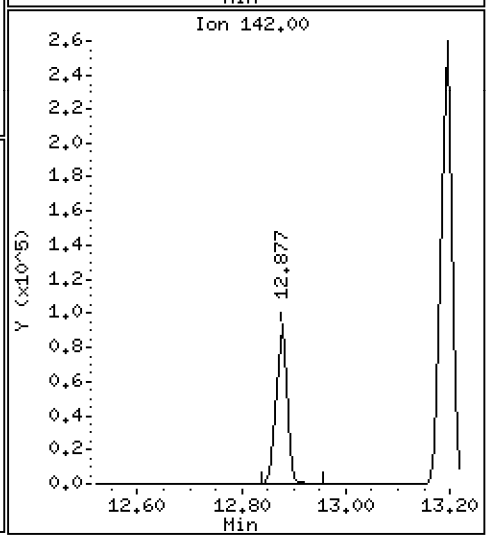












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

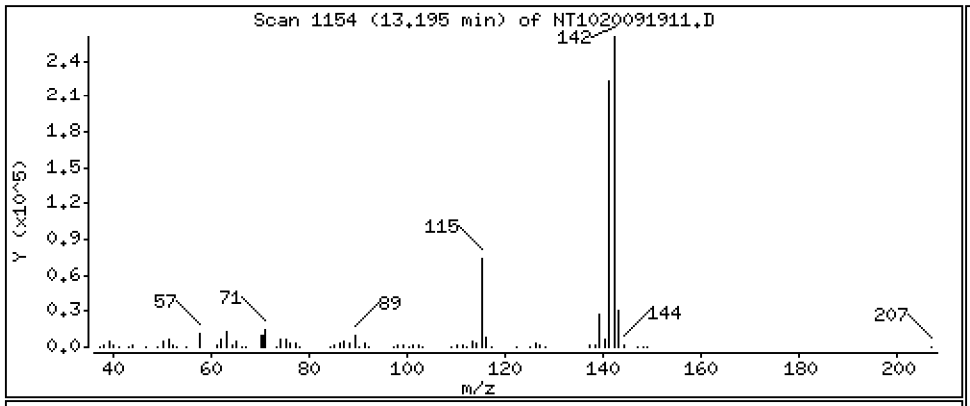
Operator: VTS

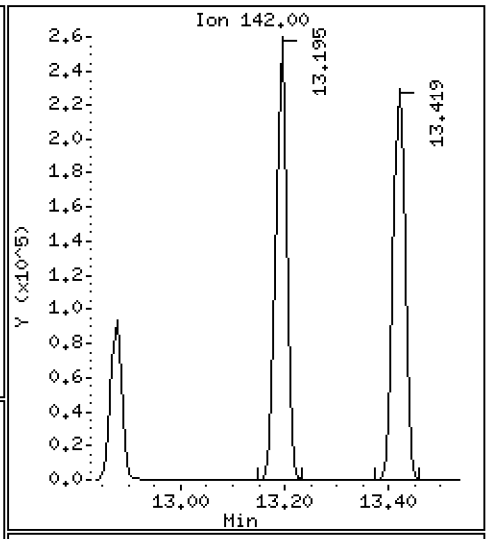
Column phase: ZB-5msi

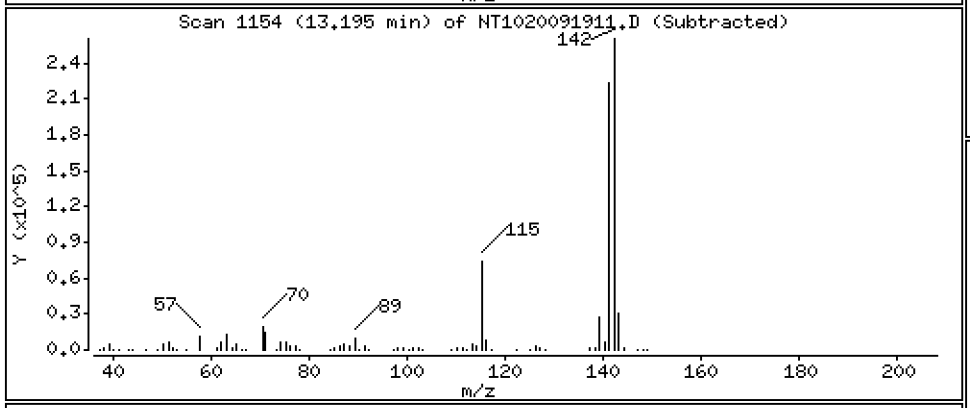
Column diameter: 0.25

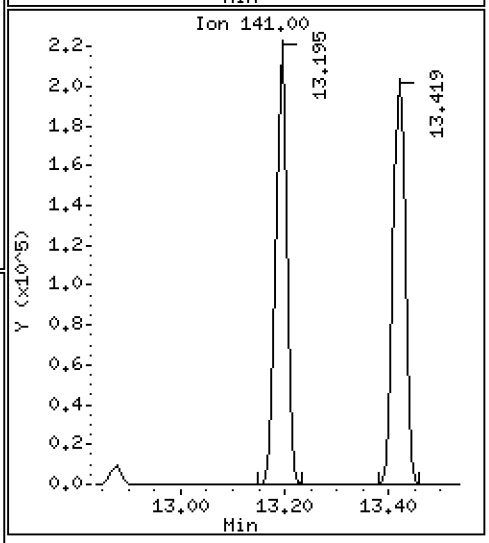
32 2-Methylnaphthalene

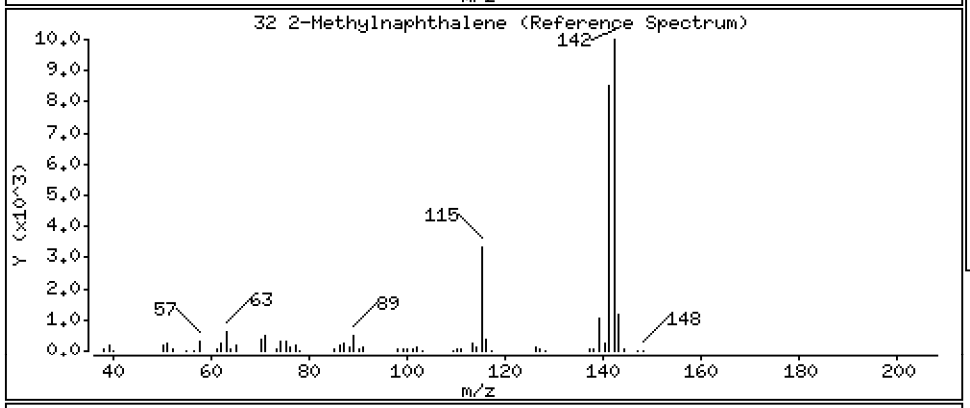
Concentration: 5.083 ug/mL

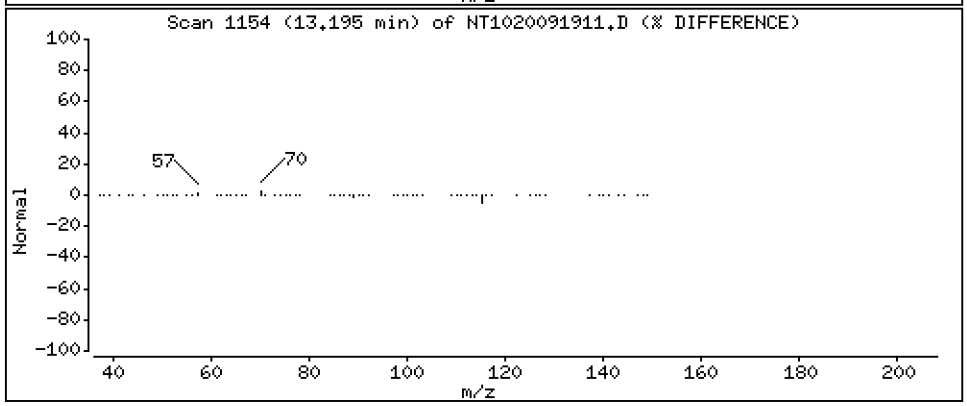












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

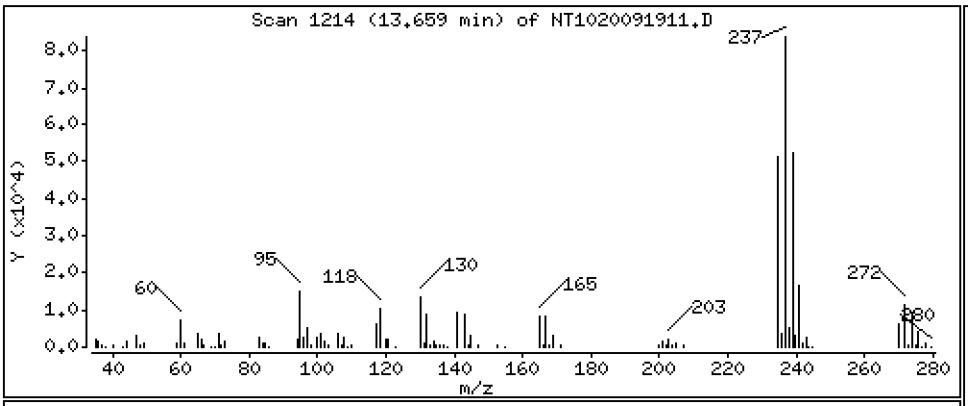
Operator: VTS

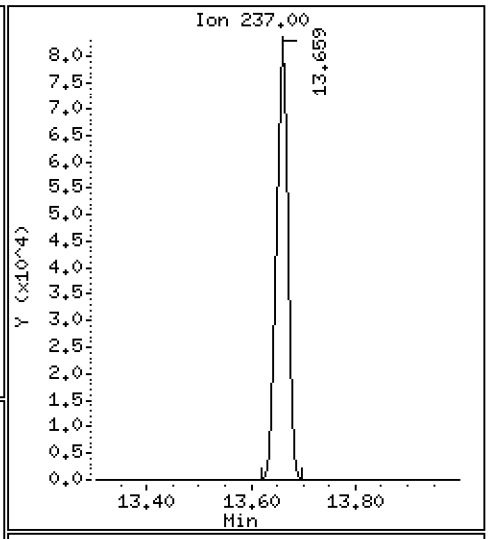
Column phase: ZB-5msi

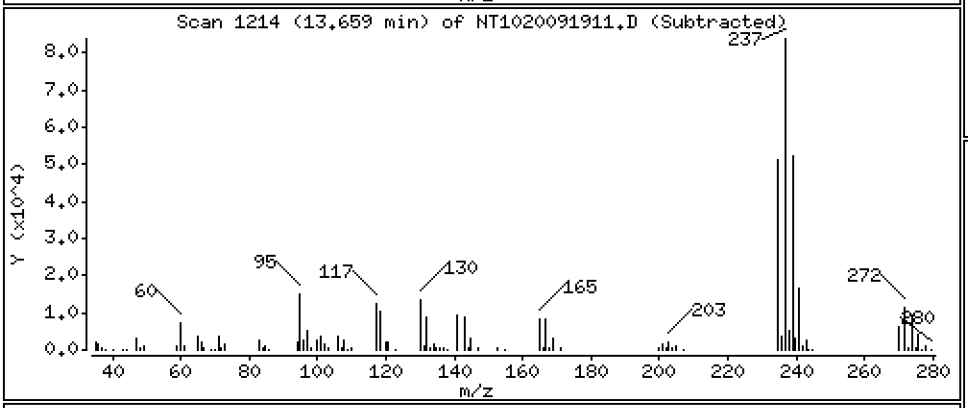
Column diameter: 0.25

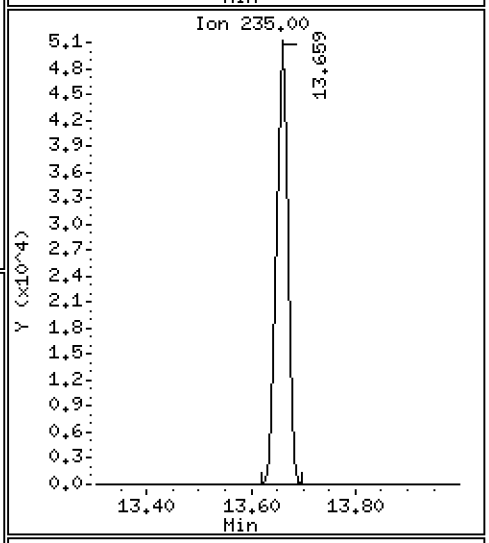
33 Hexachlorocyclopentadiene

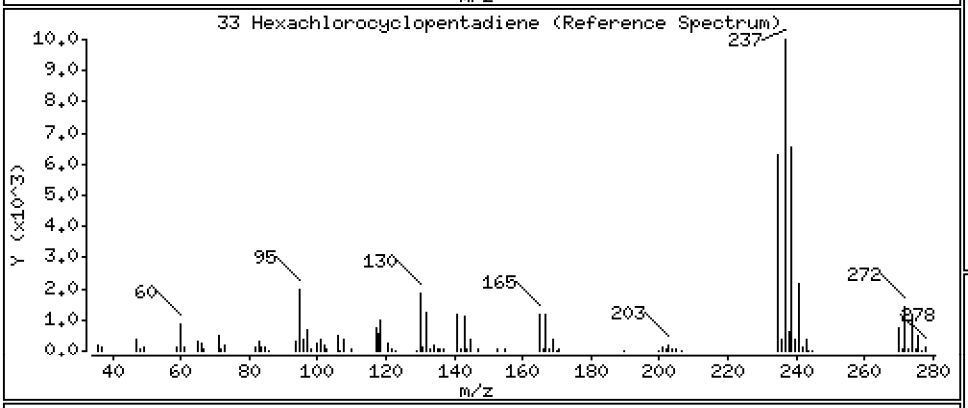
Concentration: 5.514 ug/mL

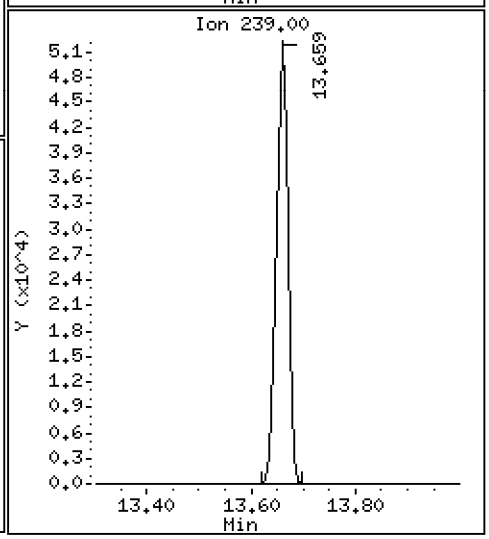


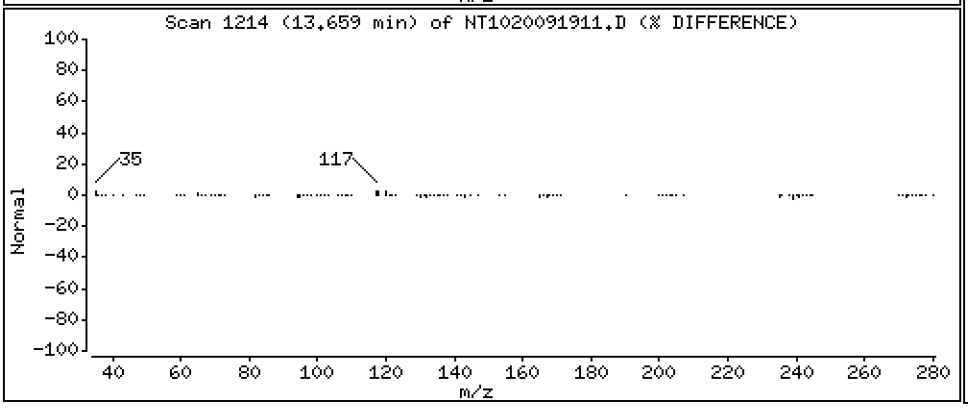












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

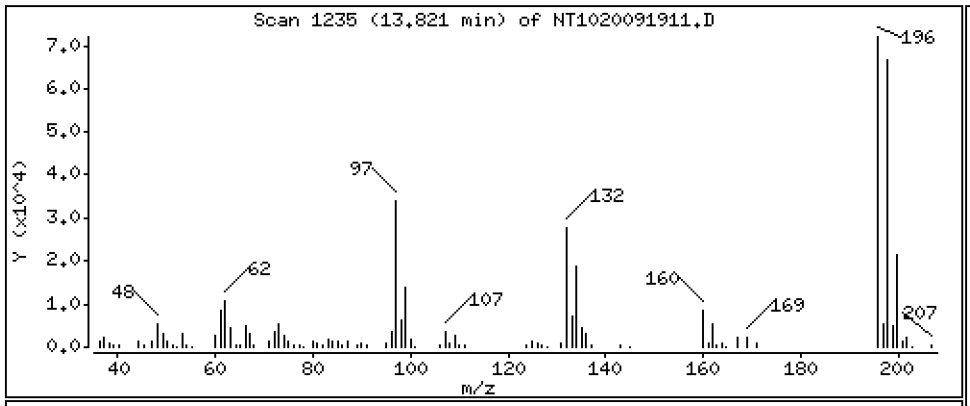
Operator: VTS

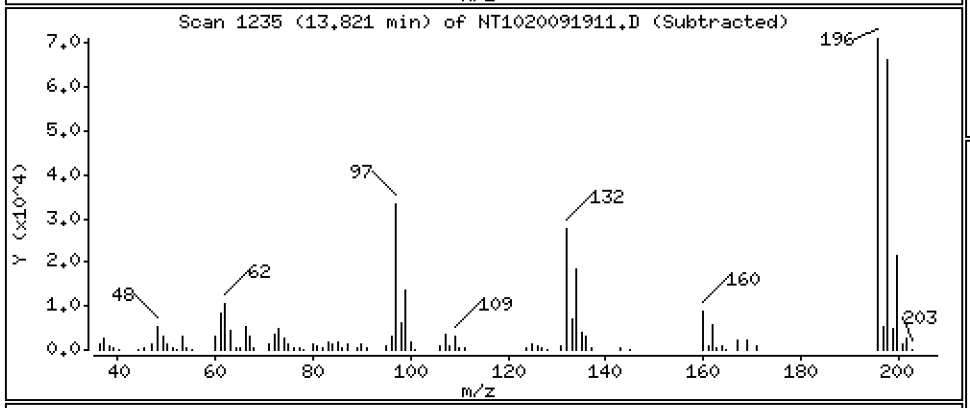
Column phase: ZB-5msi

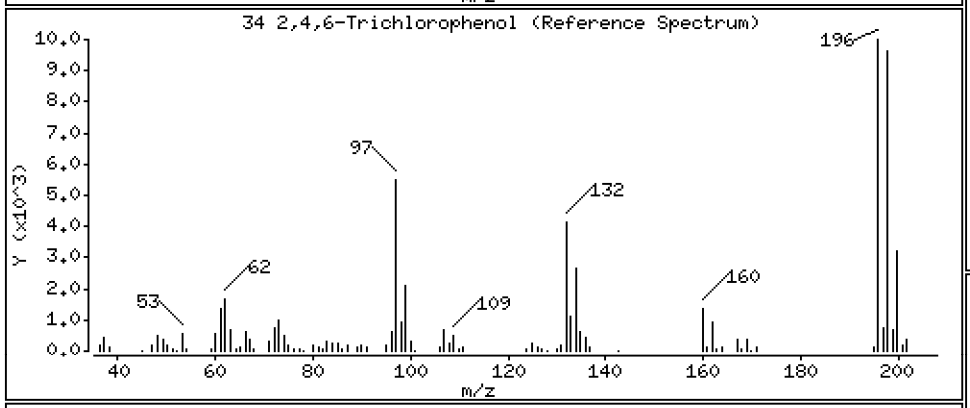
Column diameter: 0.25

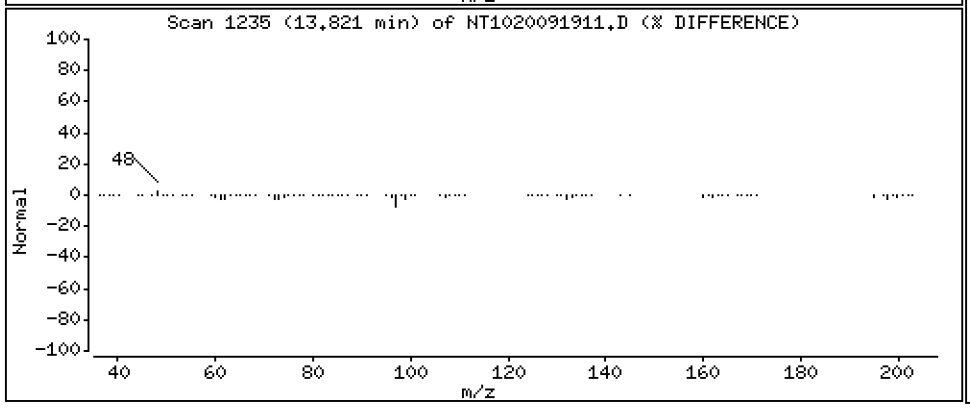
34 2,4,6-Trichlorophenol

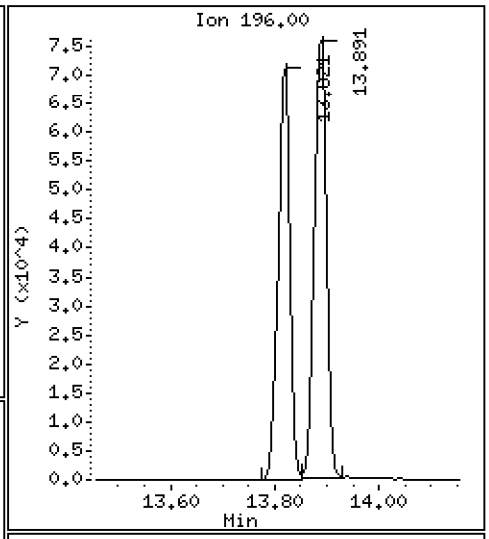
Concentration: 4.978 ug/mL

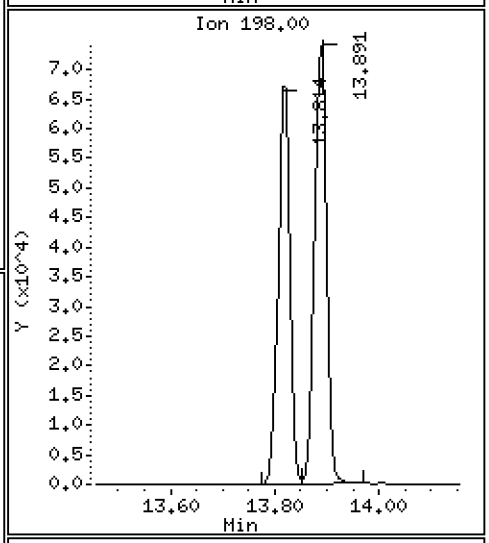


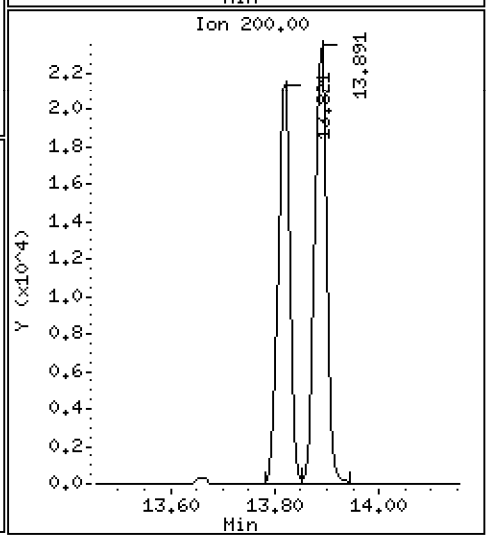












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

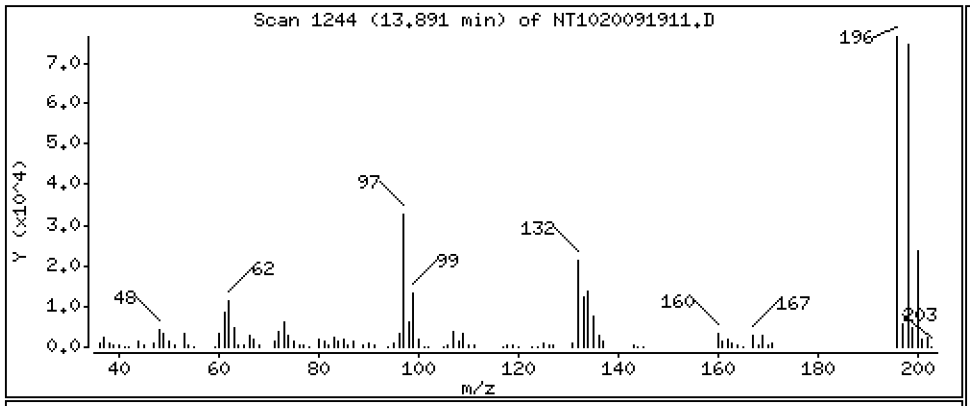
Operator: VTS

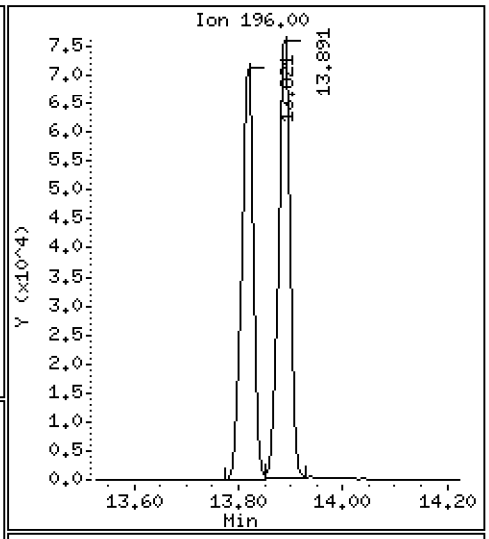
Column phase: ZB-5msi

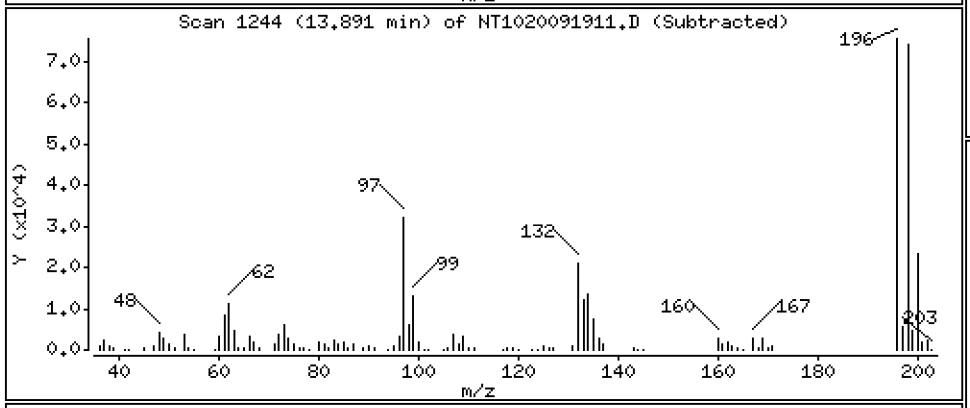
Column diameter: 0.25

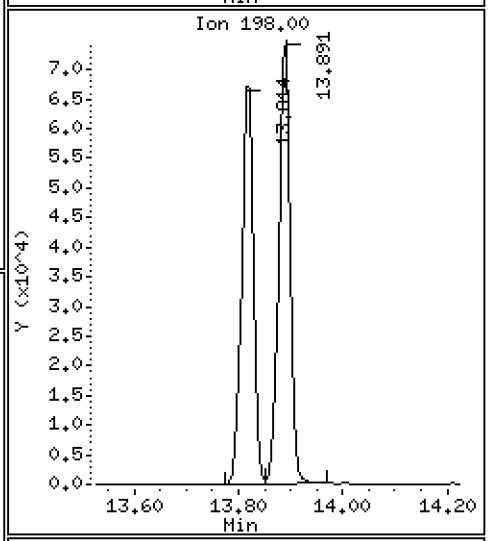
35 2,4,5-Trichlorophenol

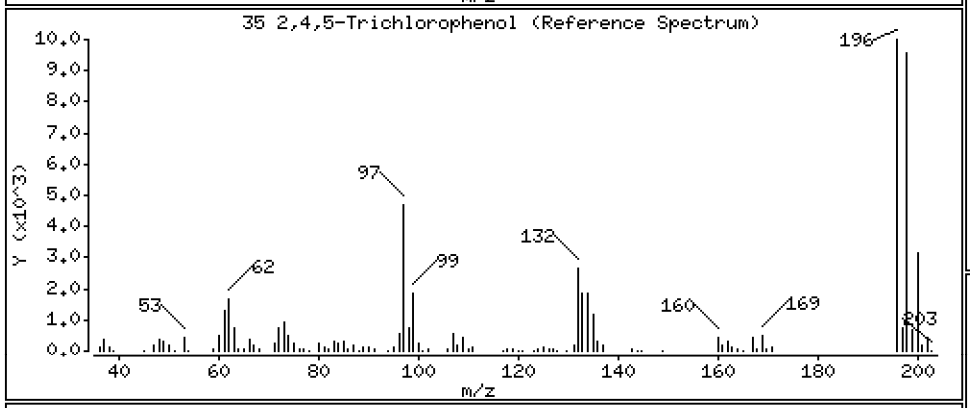
Concentration: 4.830 ug/mL

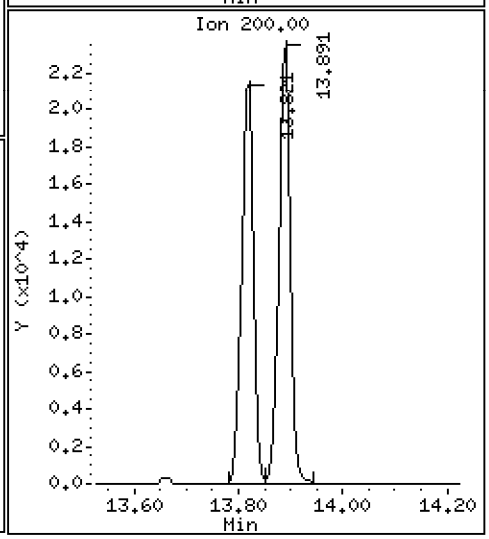


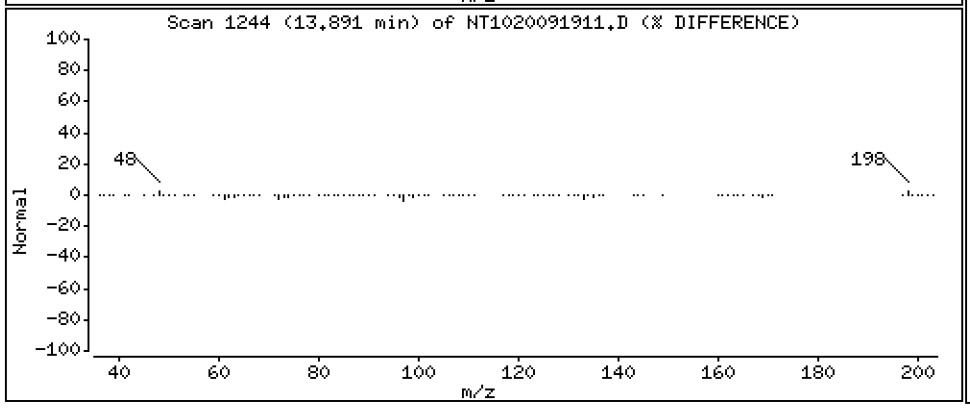












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

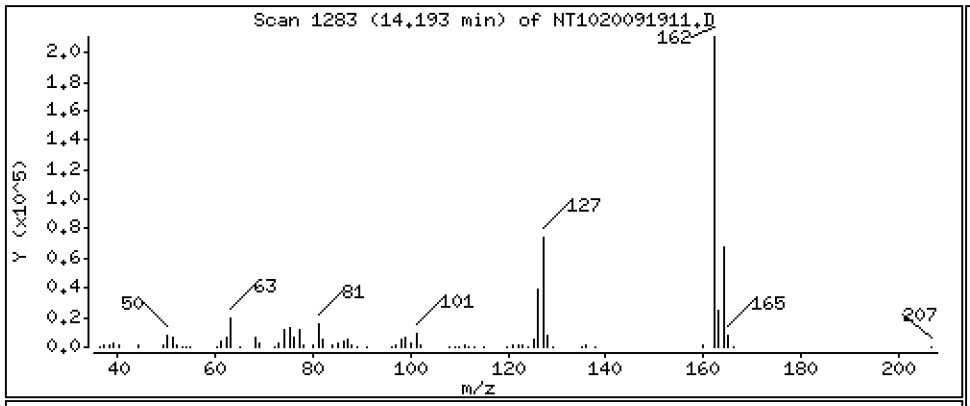
Operator: VTS

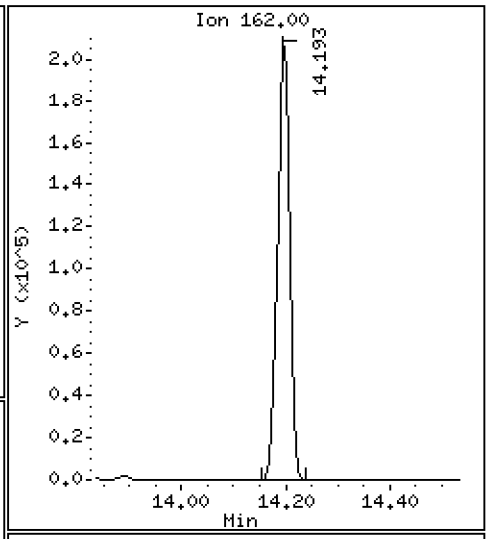
Column phase: ZB-5msi

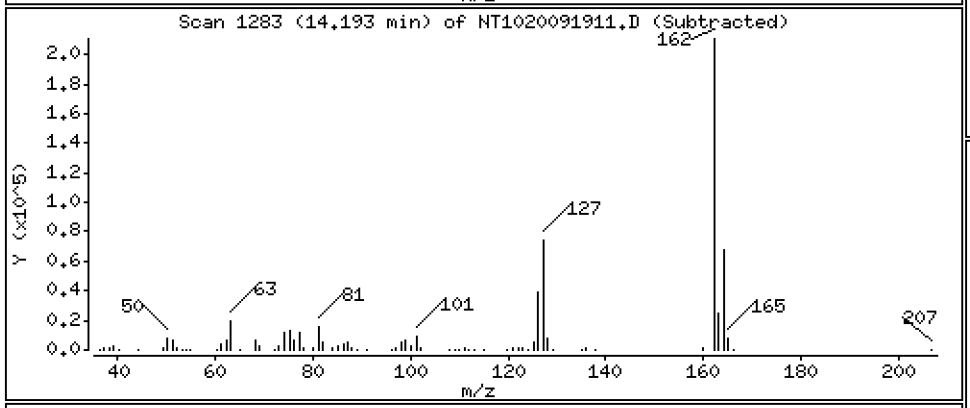
Column diameter: 0.25

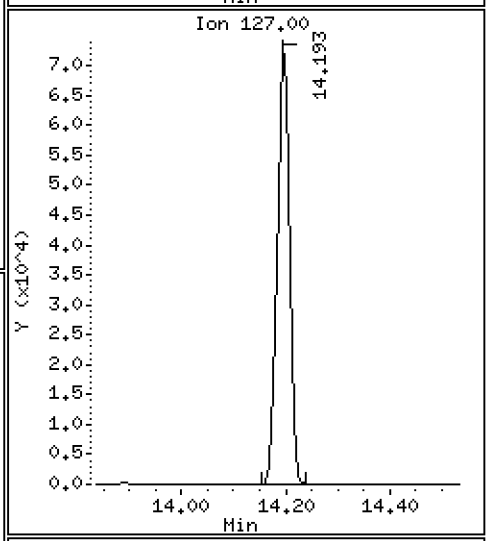
37 2-Chloronaphthalene

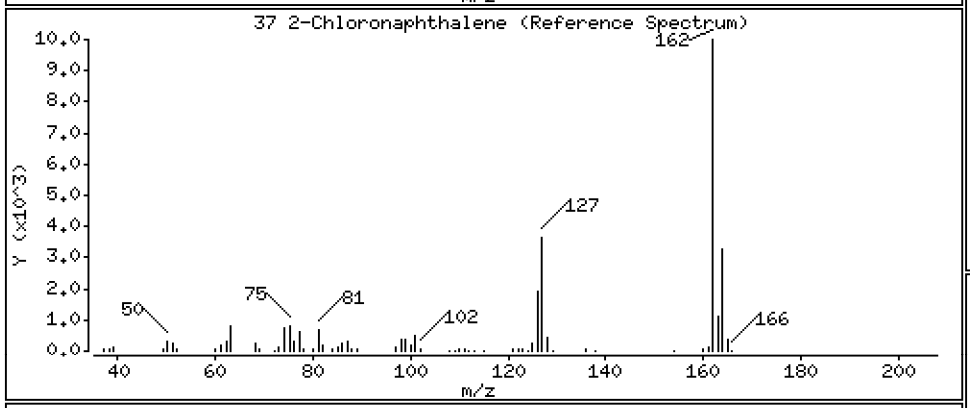
Concentration: 4.772 ug/mL

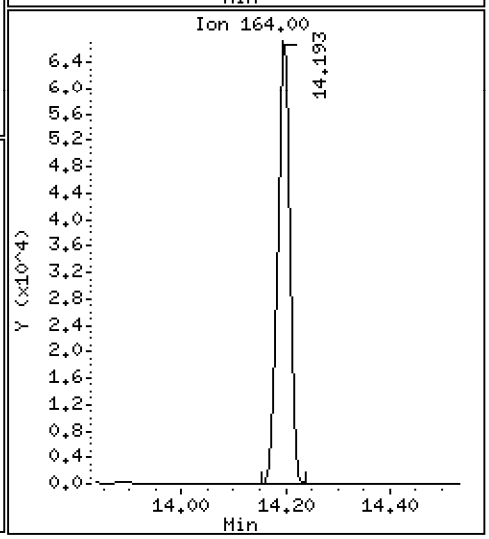


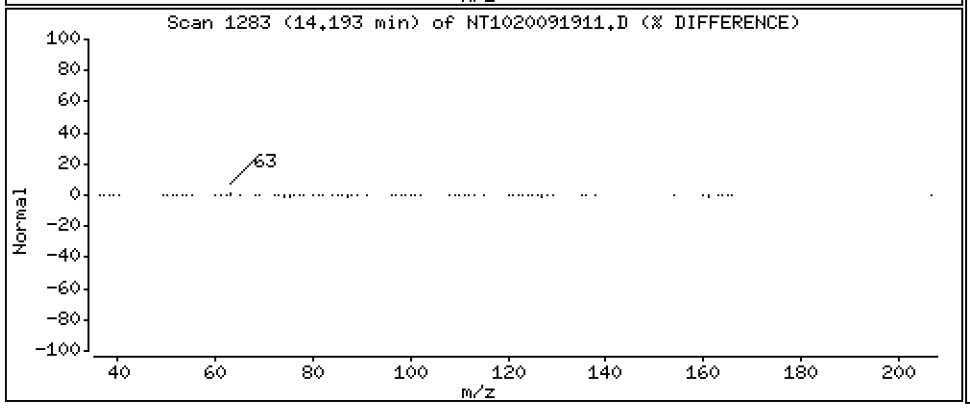












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

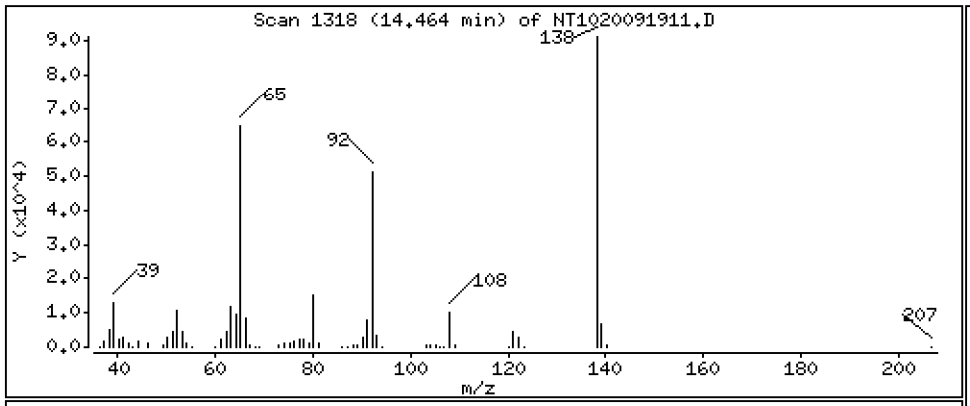
Operator: VTS

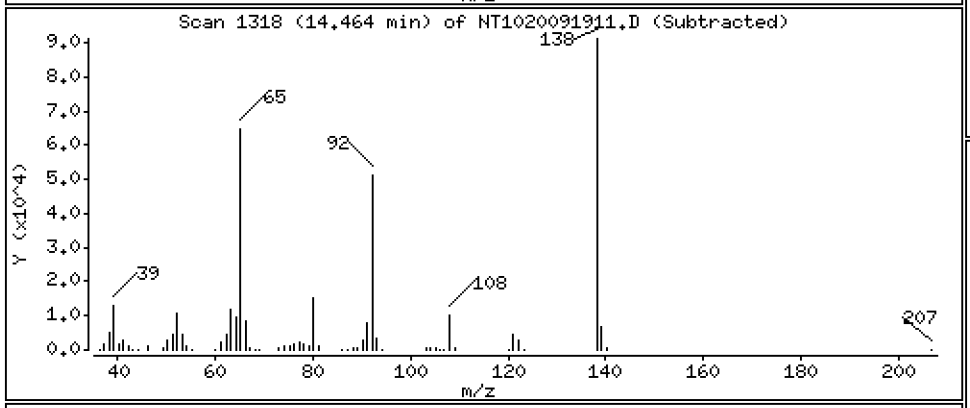
Column phase: ZB-5msi

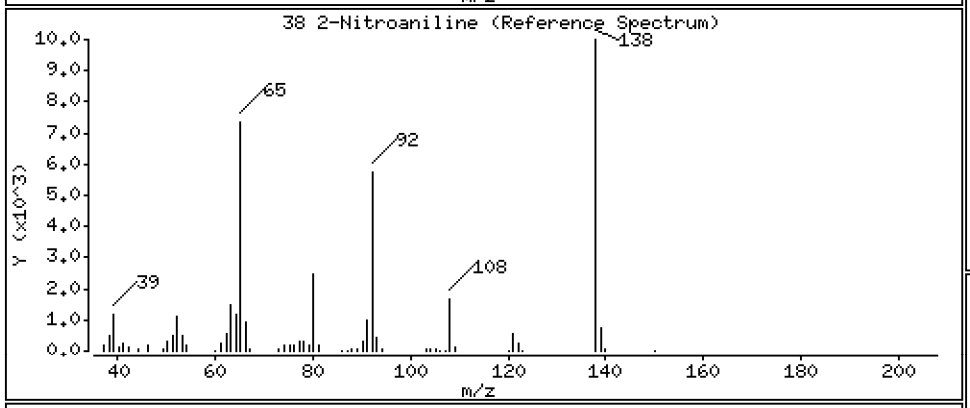
Column diameter: 0.25

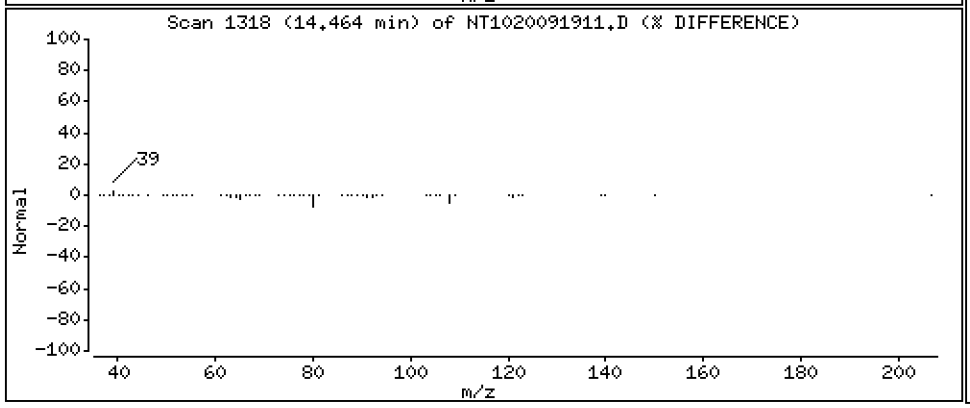
38 2-Nitroaniline

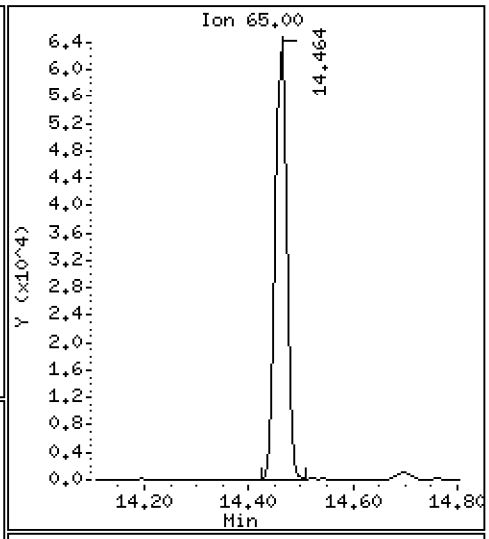
Concentration: 5.041 ug/mL

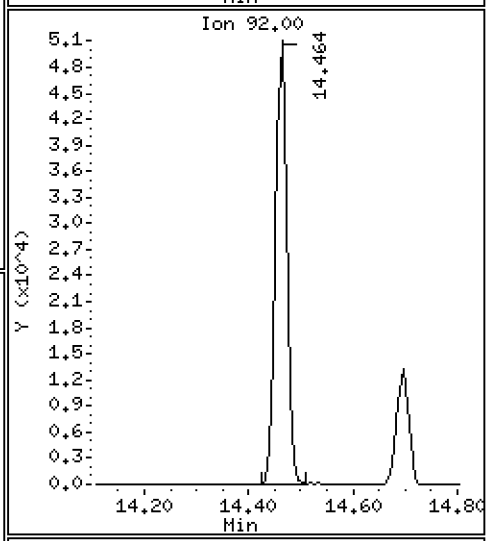


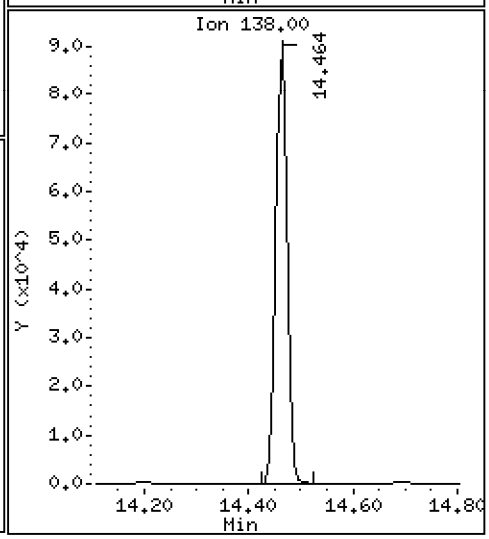












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

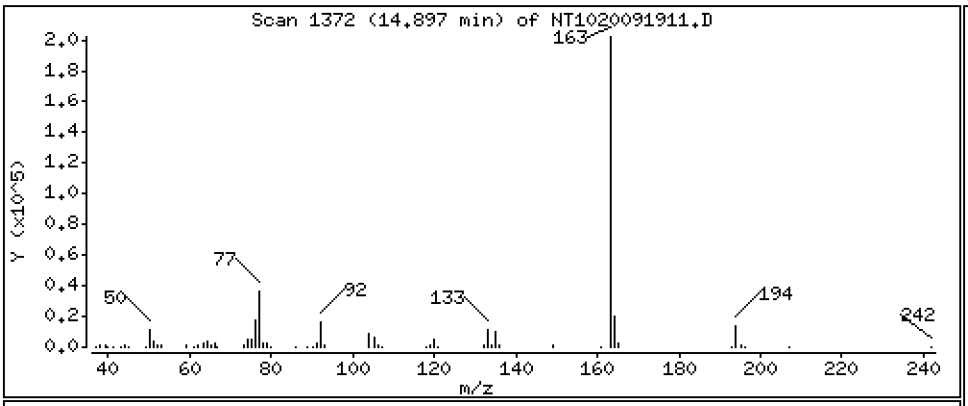
Operator: VTS

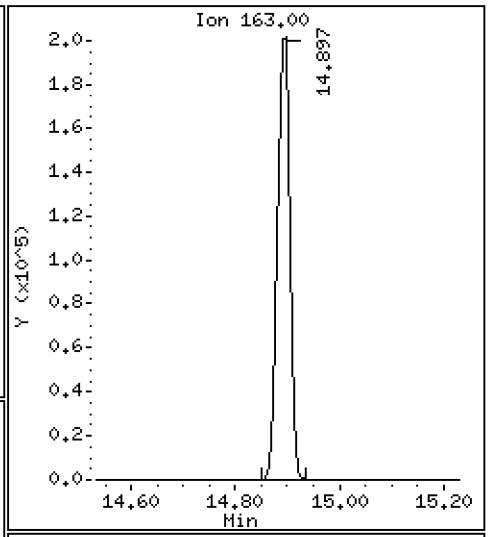
Column phase: ZB-5msi

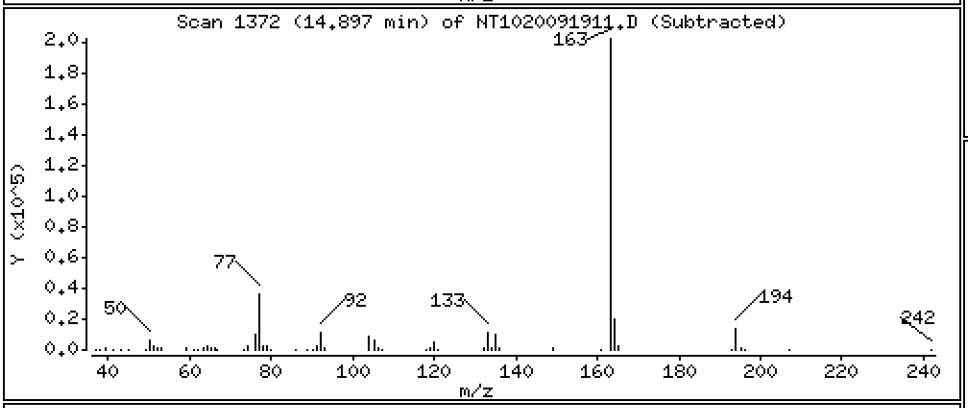
Column diameter: 0.25

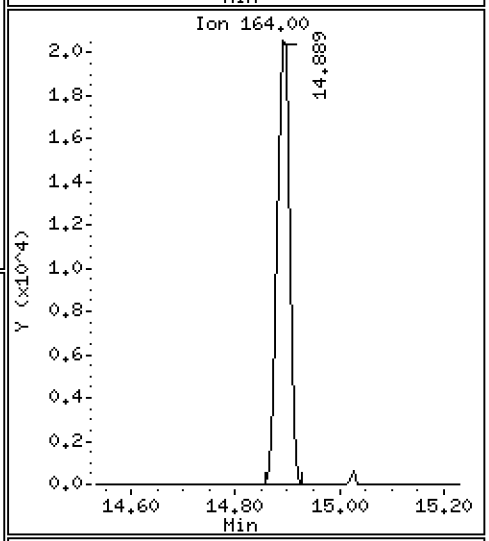
39 Dimethylphthalate

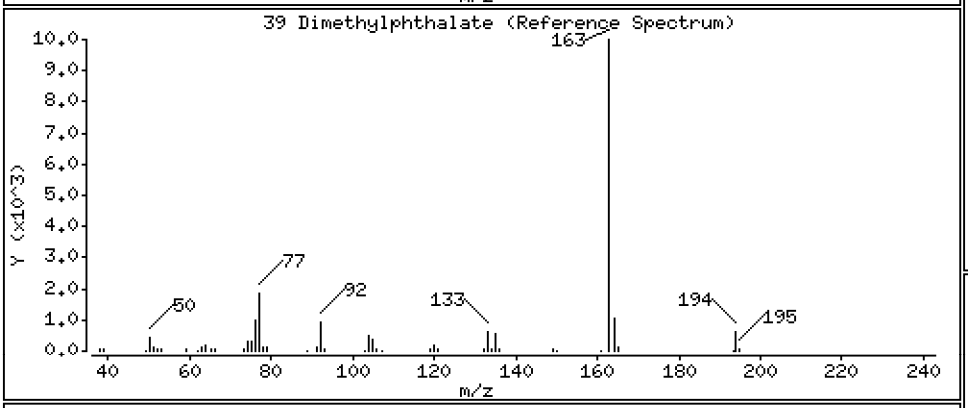
Concentration: 4.685 ug/mL

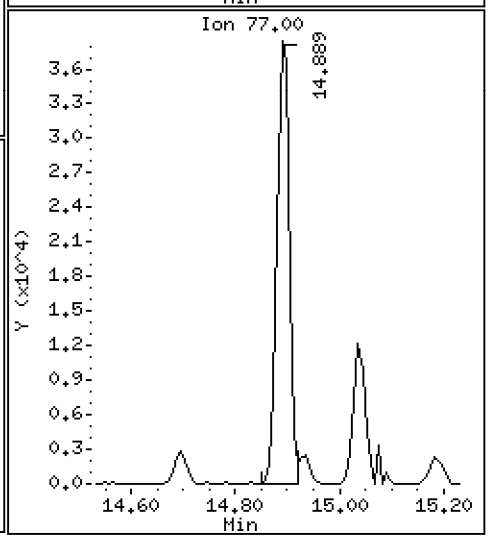


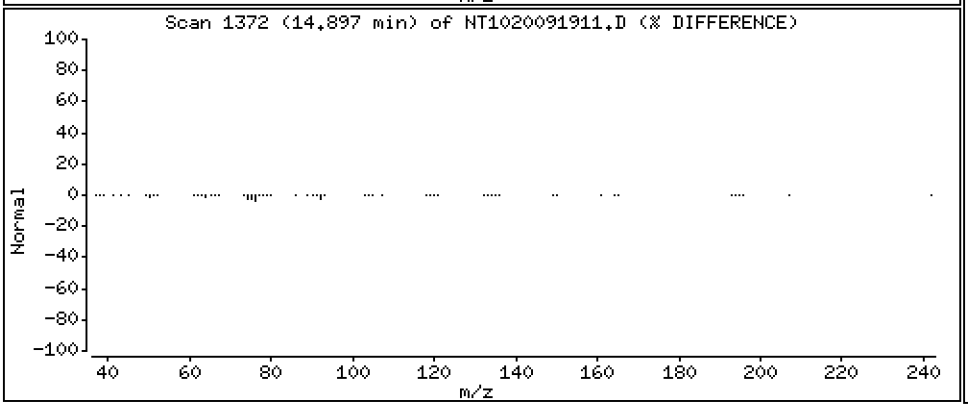












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

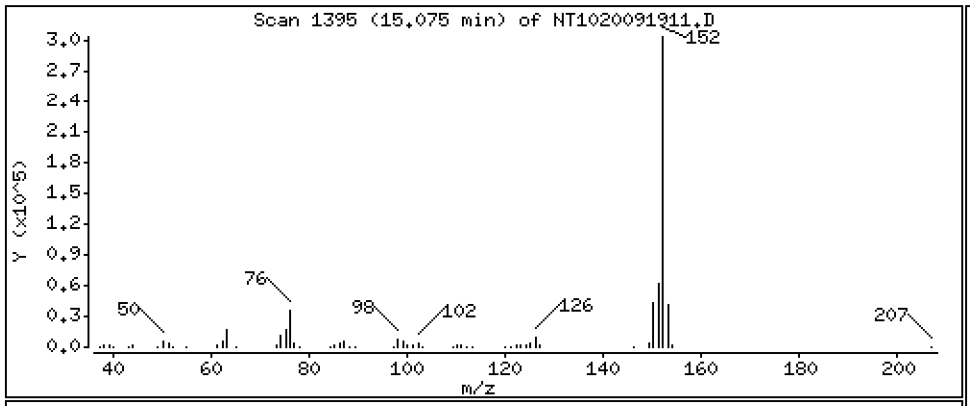
Operator: VTS

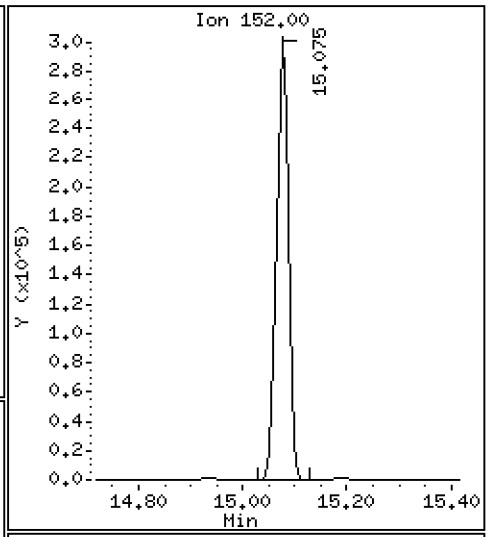
Column phase: ZB-5msi

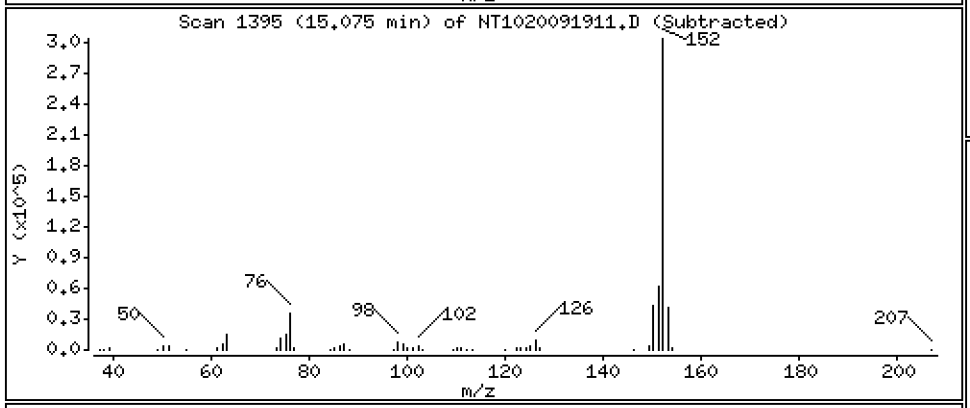
Column diameter: 0.25

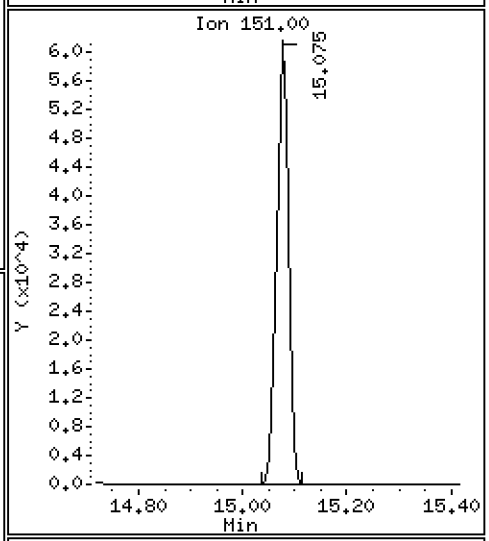
40 Acenaphthylene

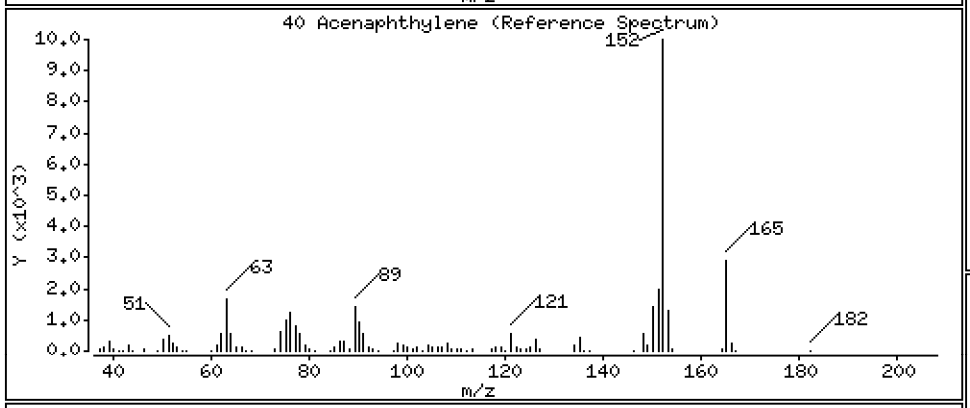
Concentration: 4.602 ug/mL

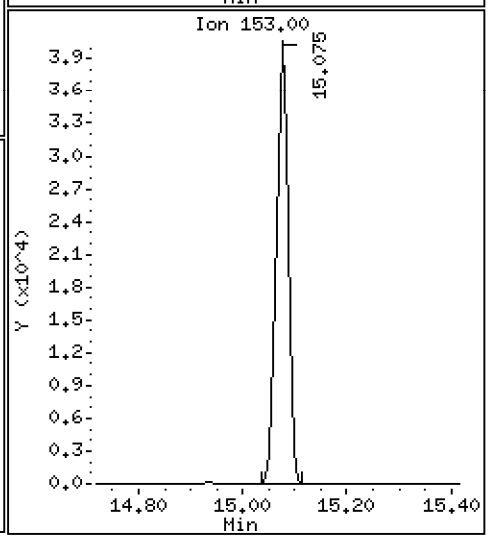


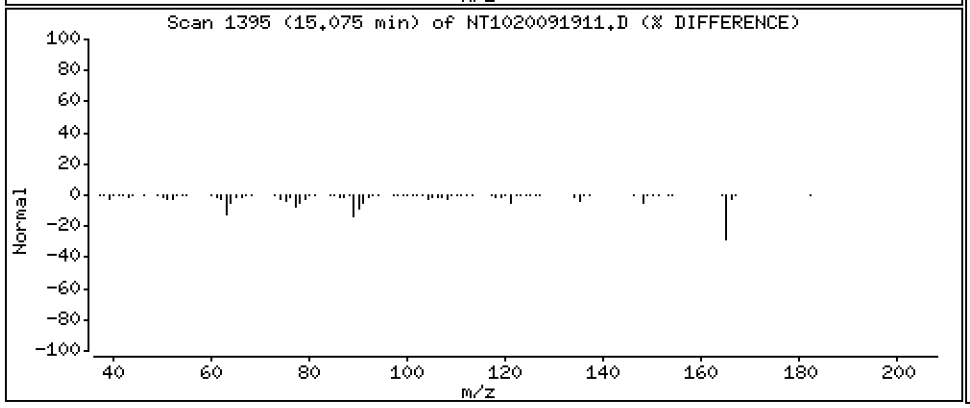












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

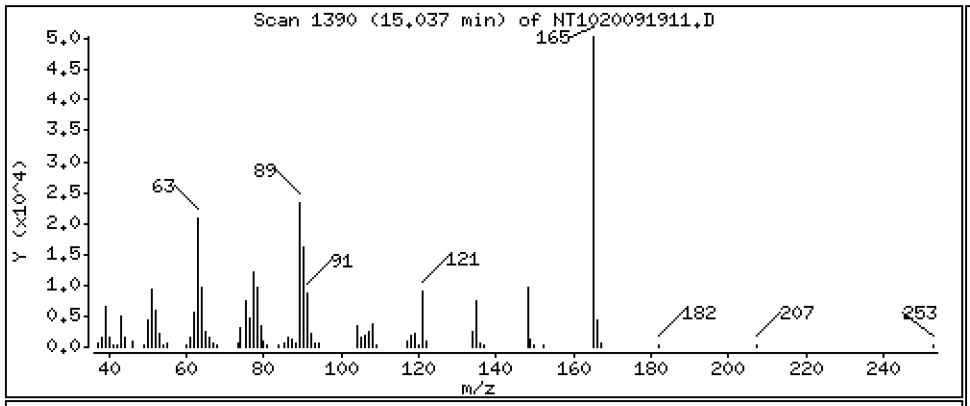
Operator: VTS

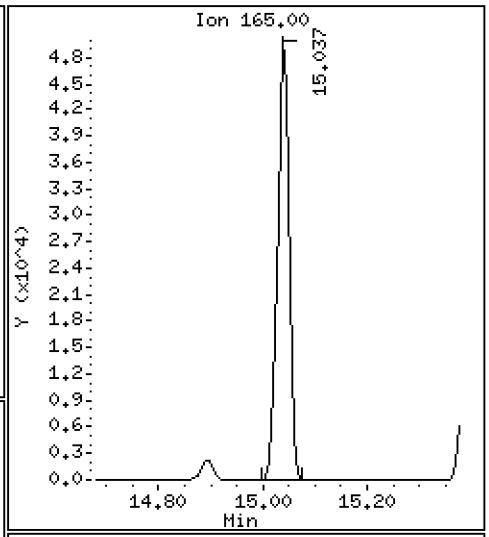
Column phase: ZB-5msi

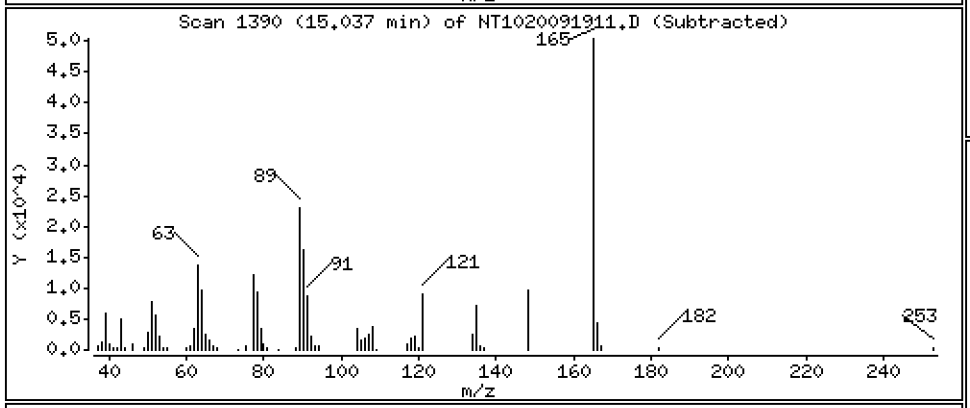
Column diameter: 0.25

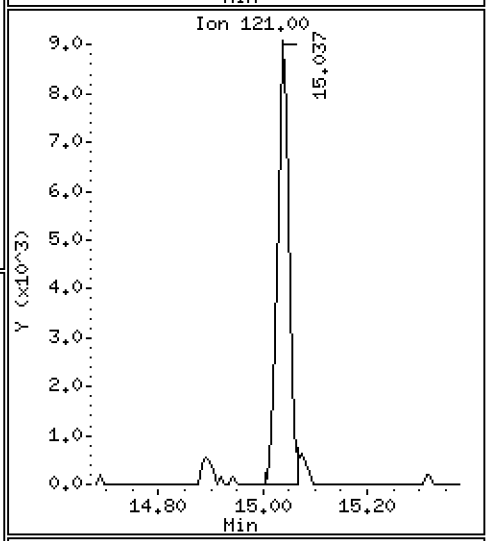
41 2,6-Dinitrotoluene

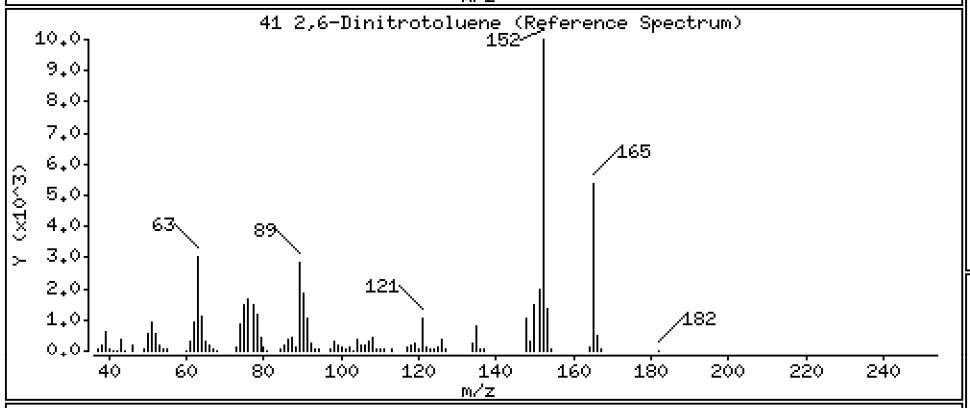
Concentration: 4.894 ug/mL

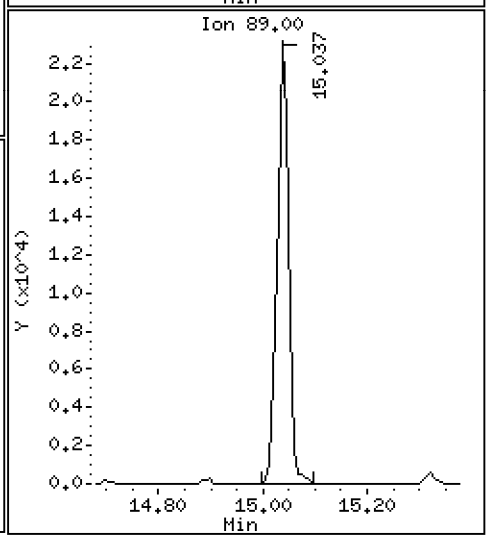


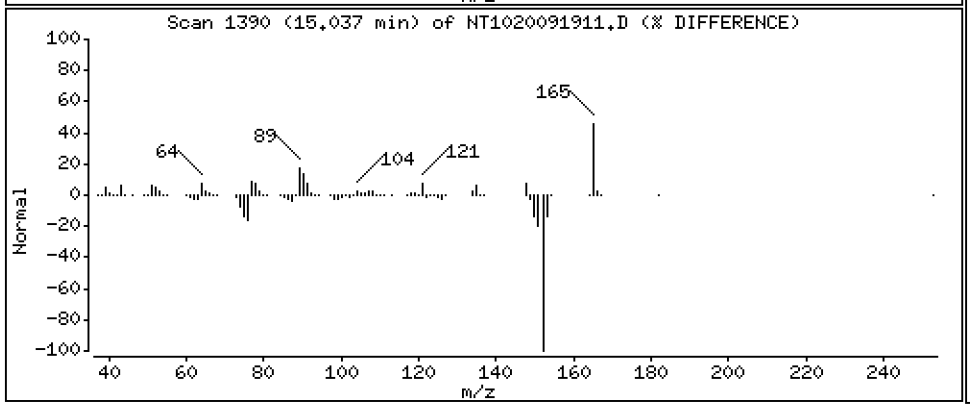












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

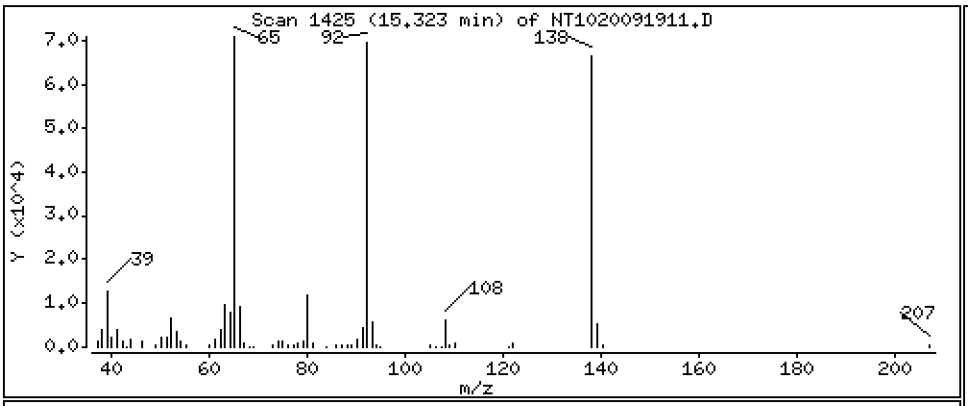
Operator: VTS

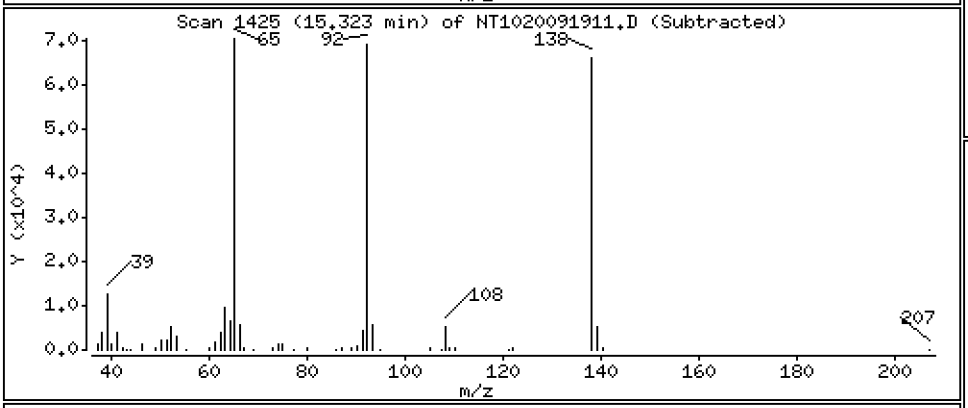
Column phase: ZB-5msi

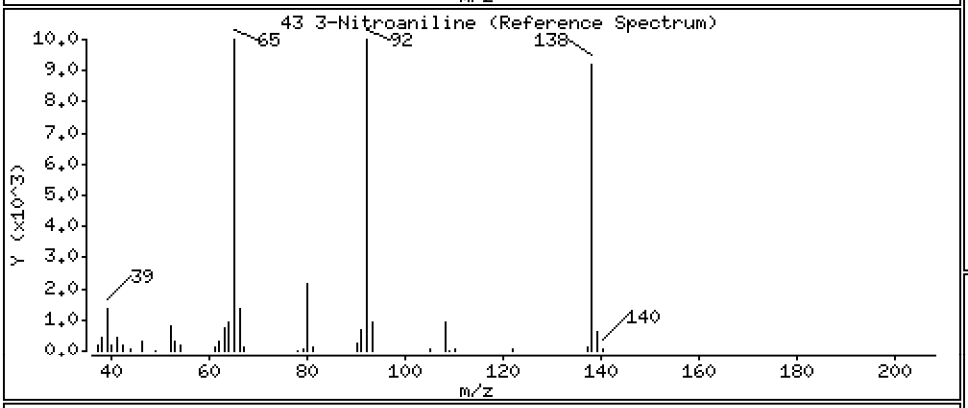
Column diameter: 0.25

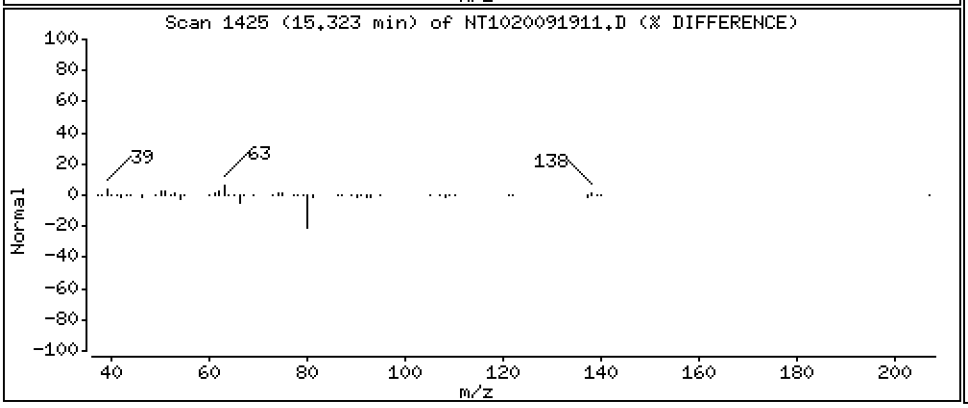
43 3-Nitroaniline

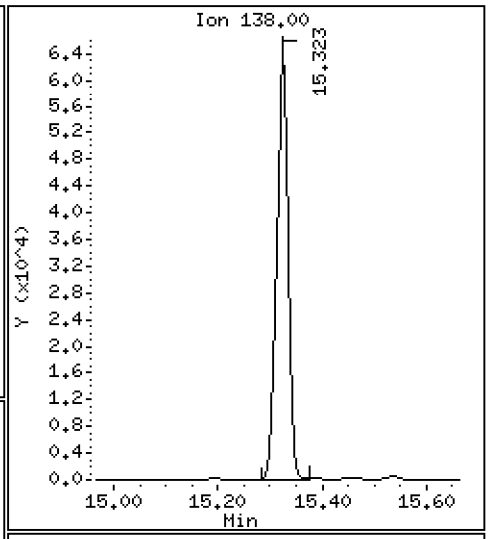
Concentration: 5.305 ug/mL

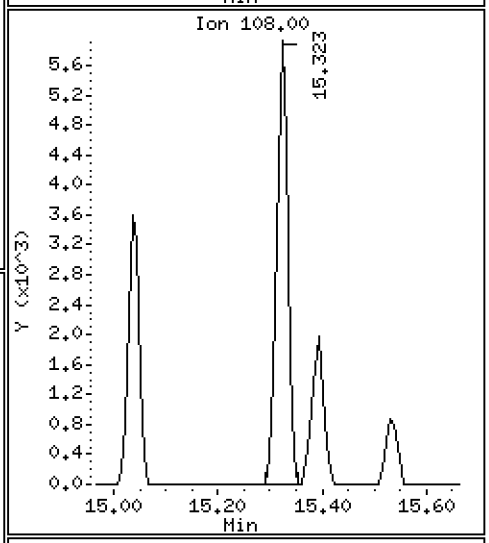


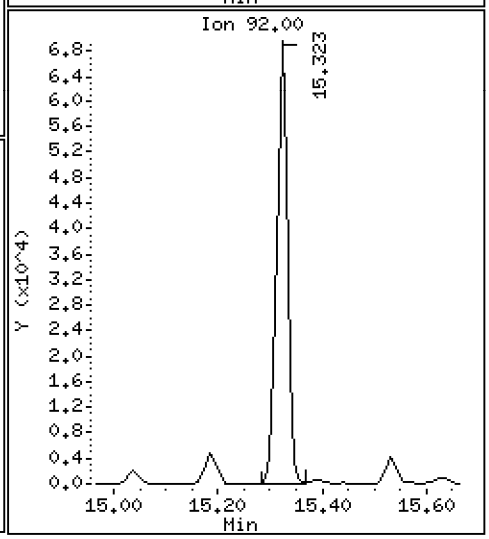












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

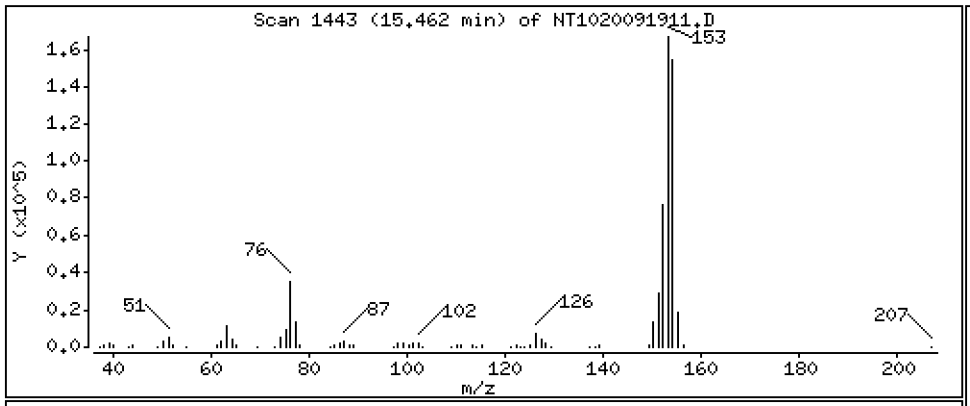
Operator: VTS

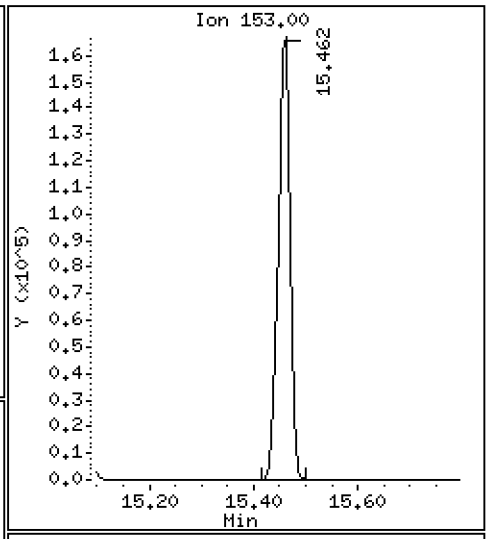
Column phase: ZB-5msi

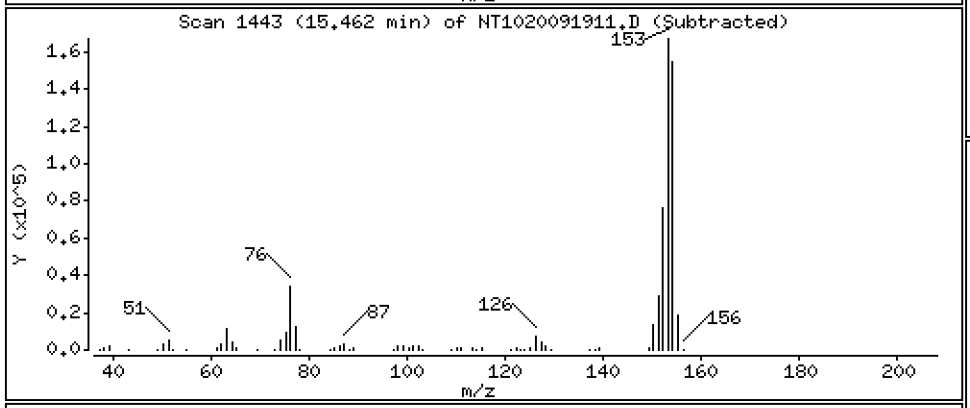
Column diameter: 0.25

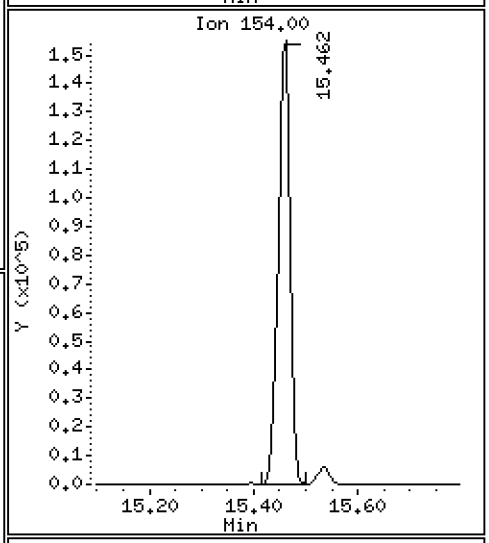
44 Acenaphthene

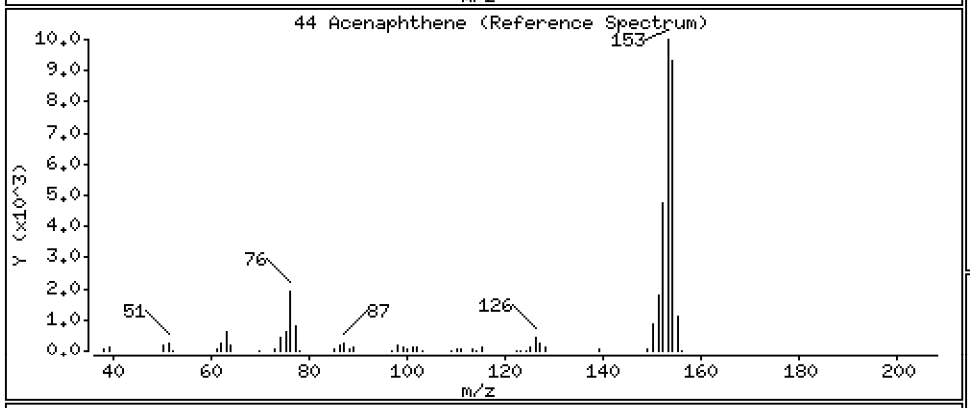
Concentration: 4.516 ug/mL

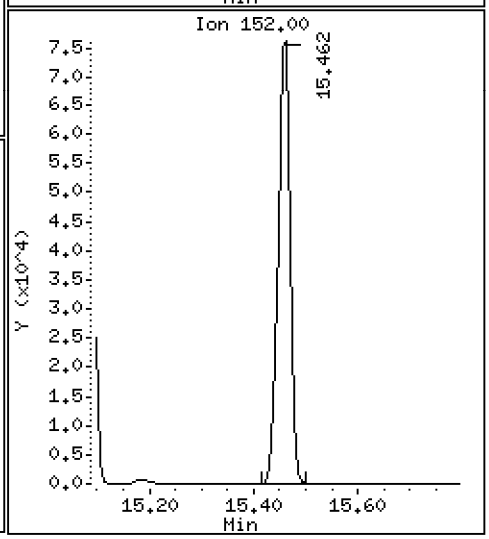


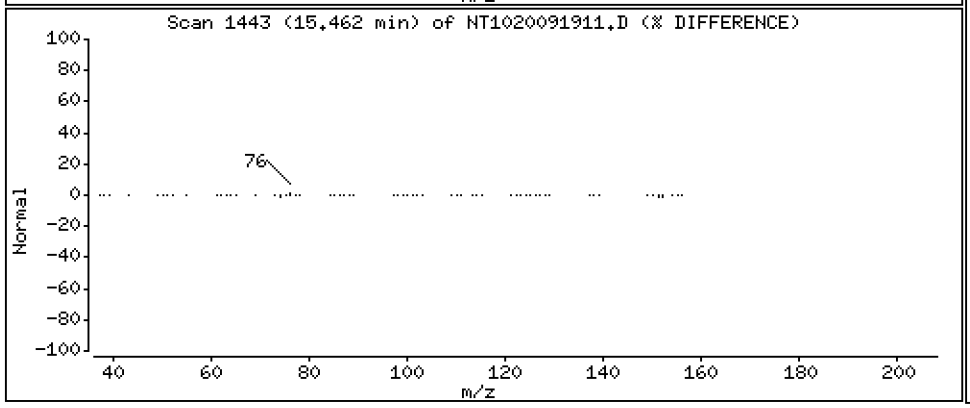












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

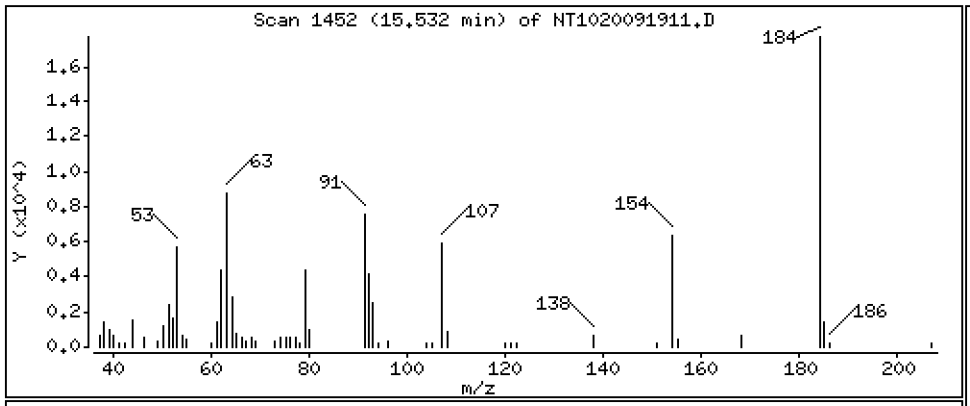
Operator: VTS

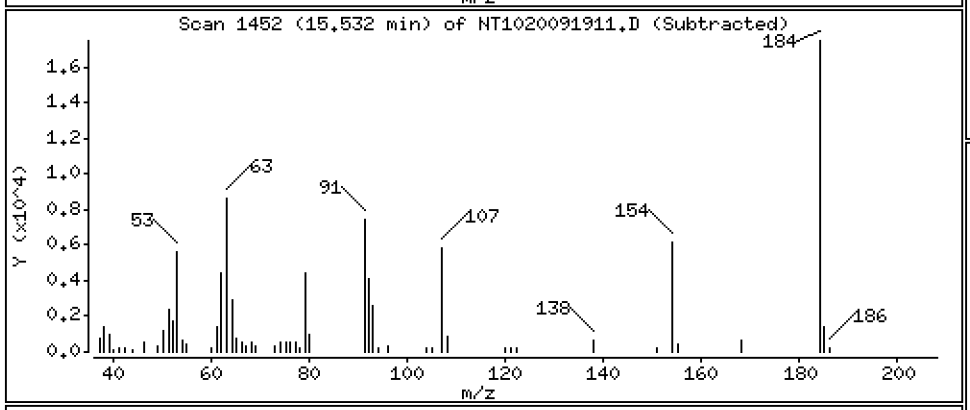
Column phase: ZB-5msi

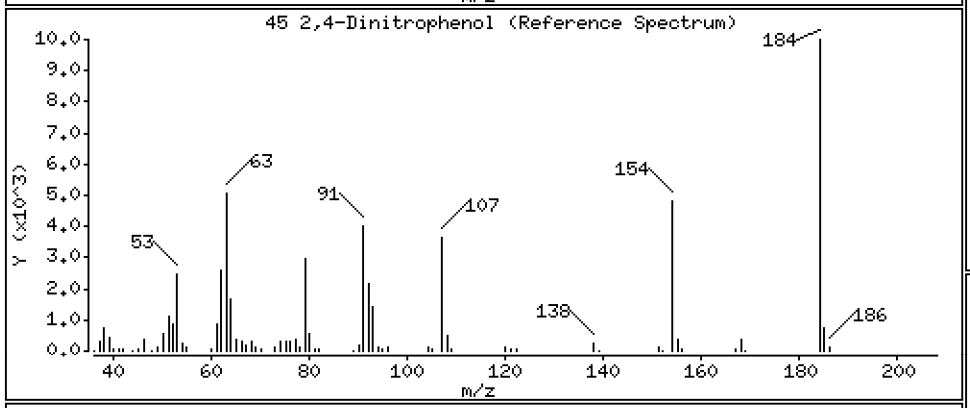
Column diameter: 0.25

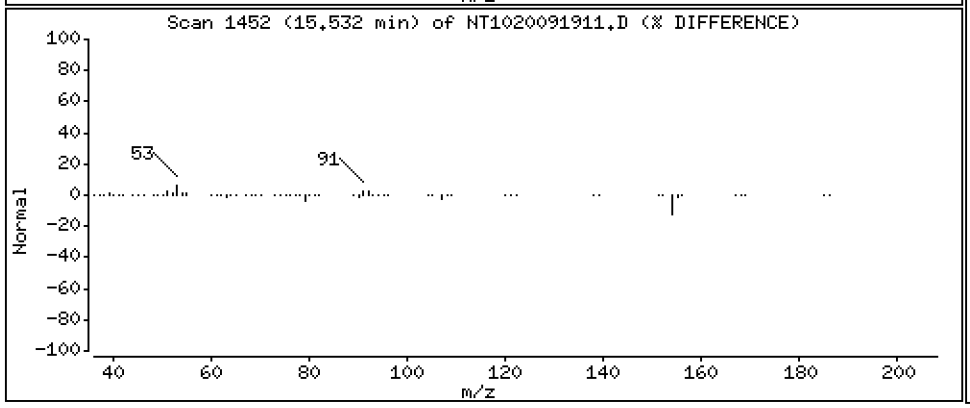
45 2,4-Dinitrophenol

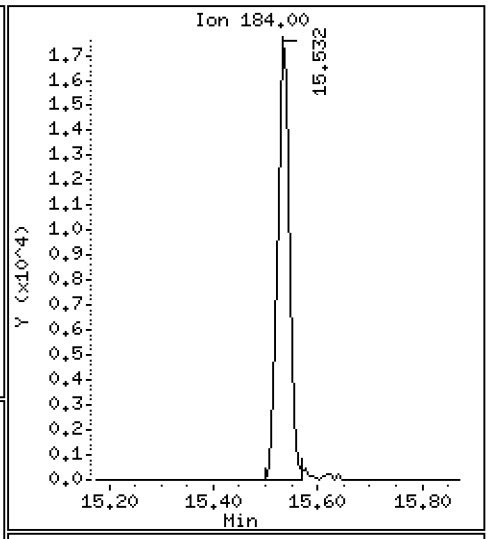
Concentration: 2.740 ug/mL

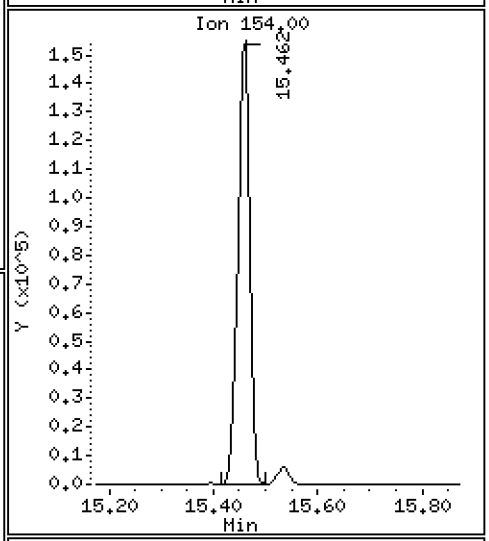


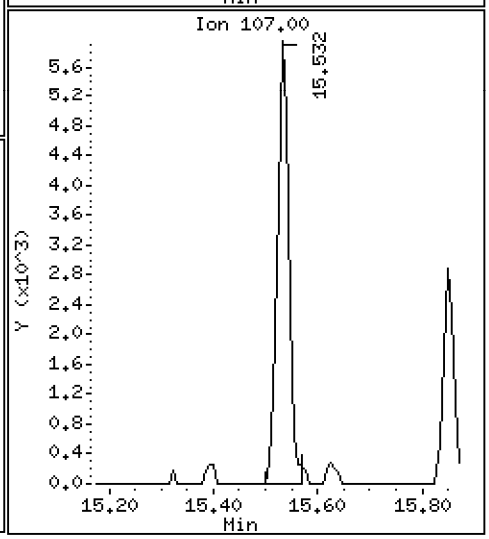












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

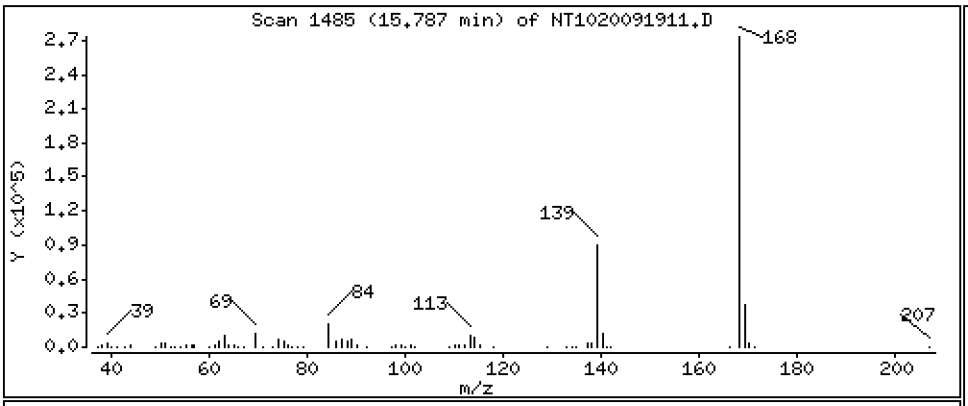
Operator: VTS

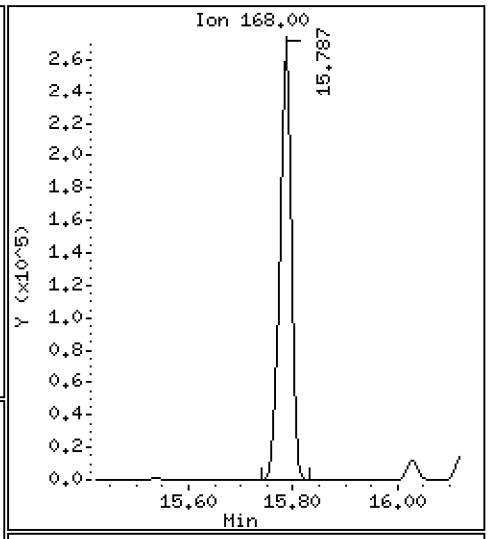
Column phase: ZB-5msi

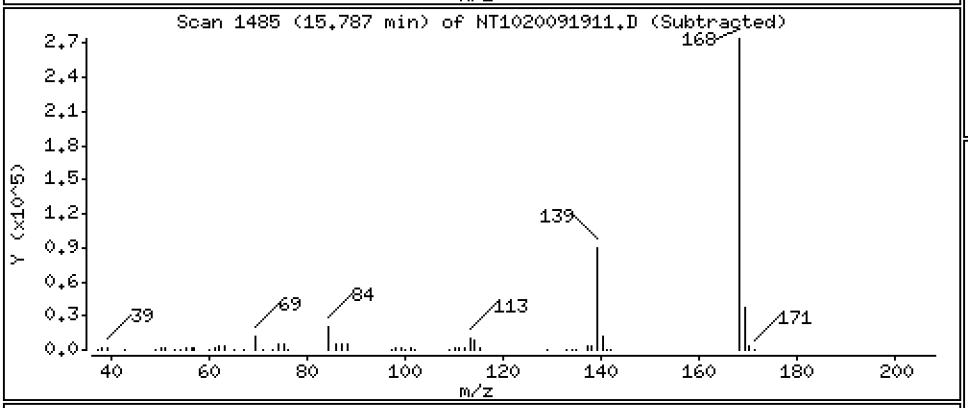
Column diameter: 0.25

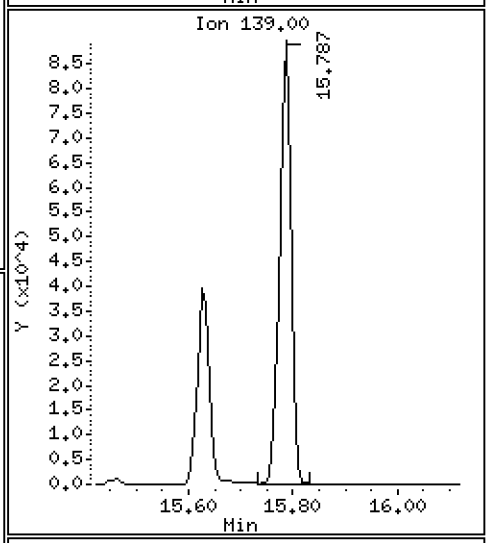
46 Dibenzofuran

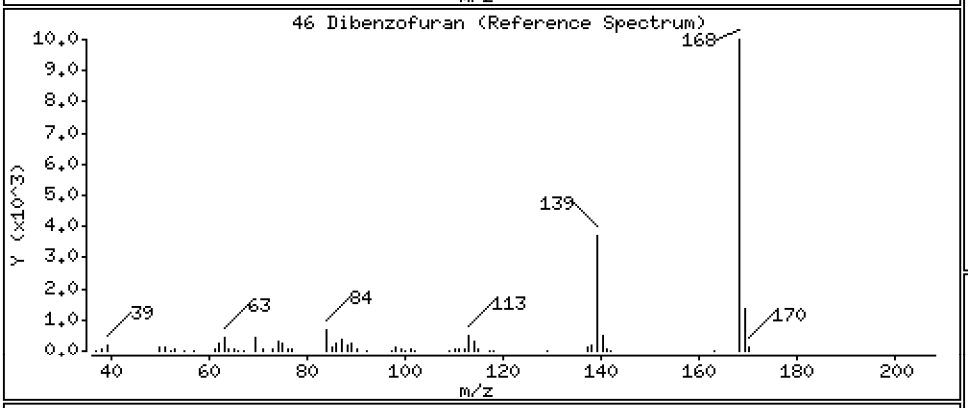
Concentration: 4.905 ug/mL

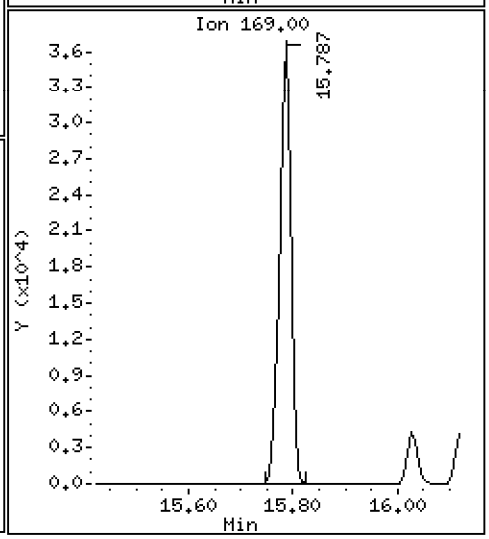


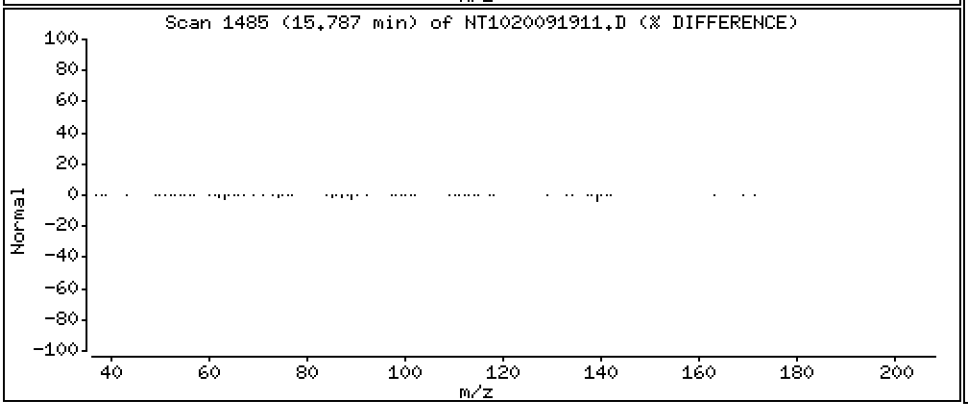












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

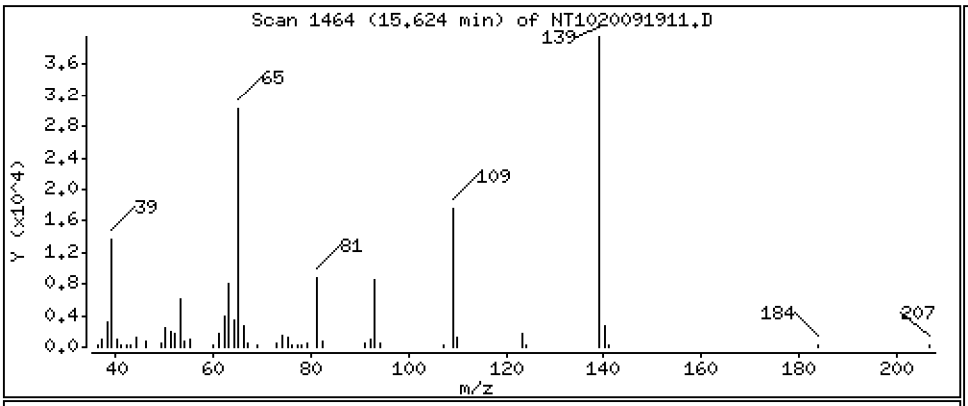
Operator: VTS

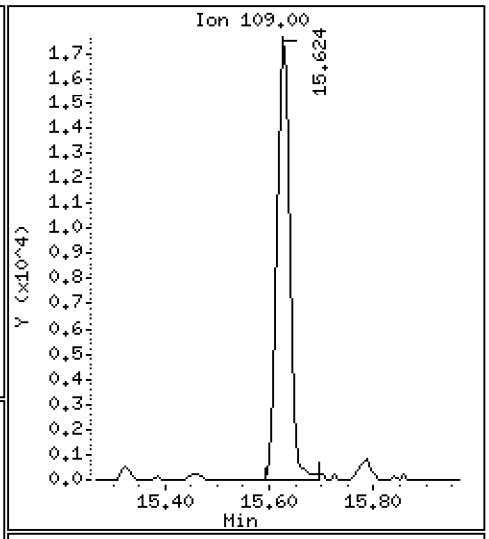
Column phase: ZB-5msi

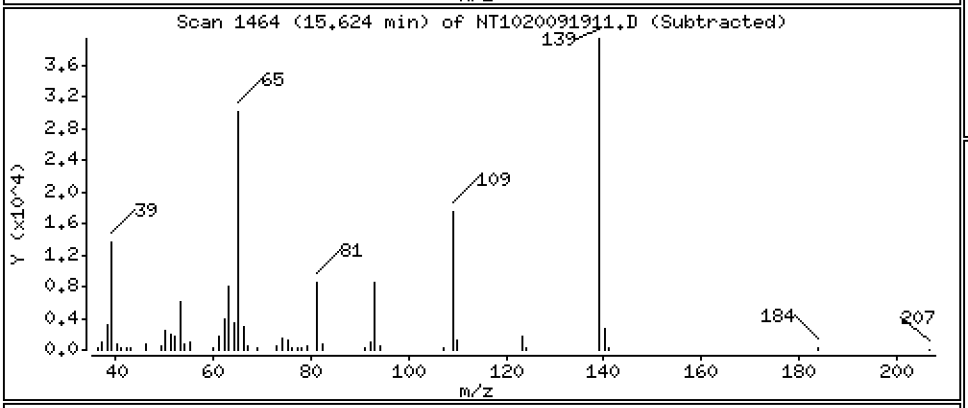
Column diameter: 0.25

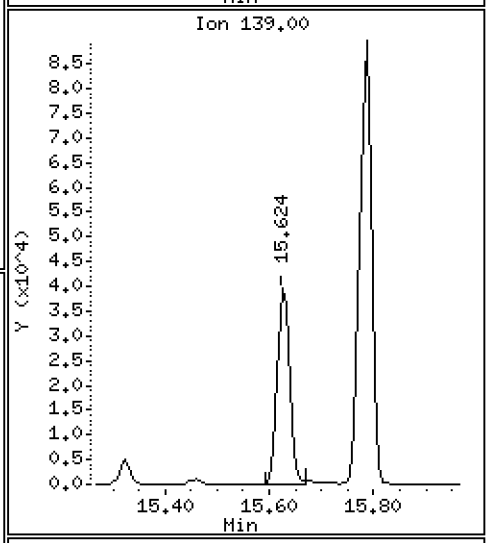
47 4-Nitrophenol

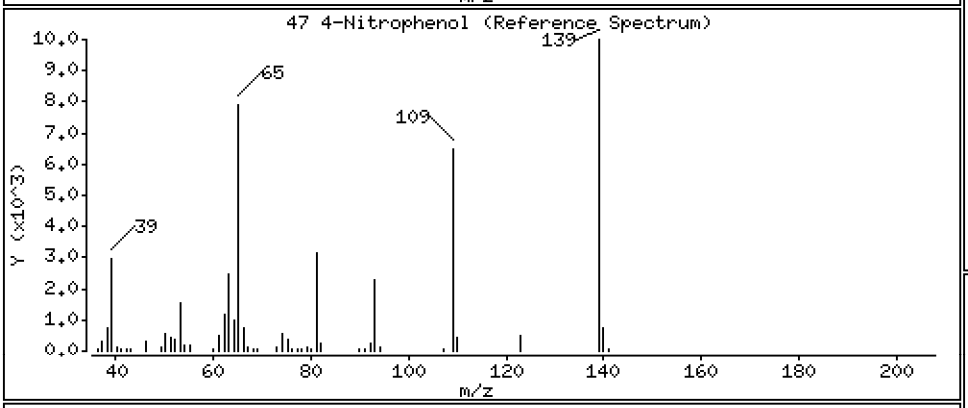
Concentration: 4.786 ug/mL

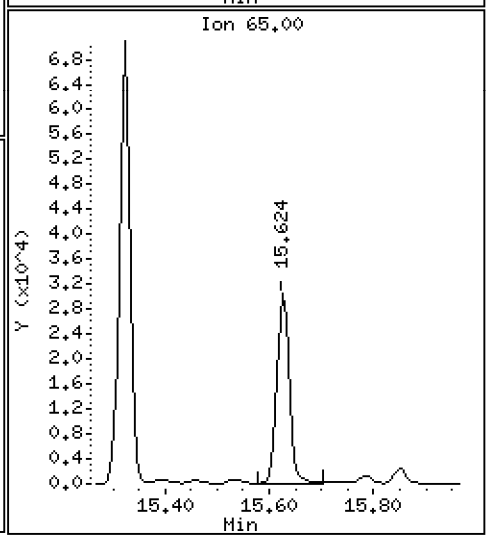


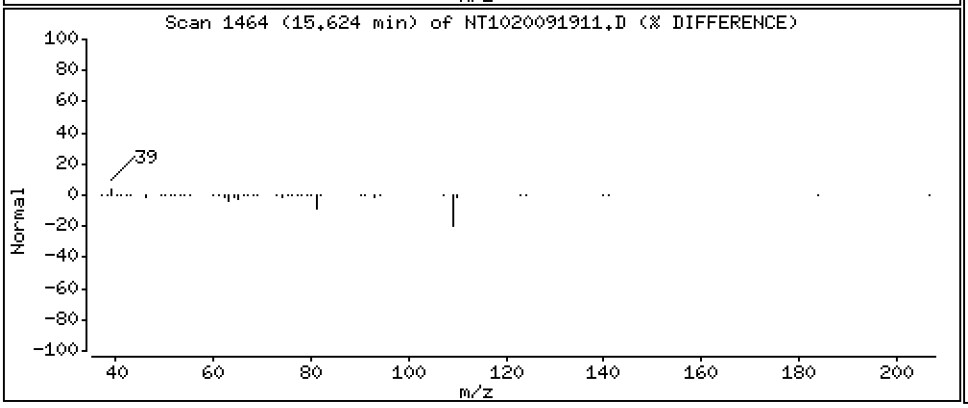












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

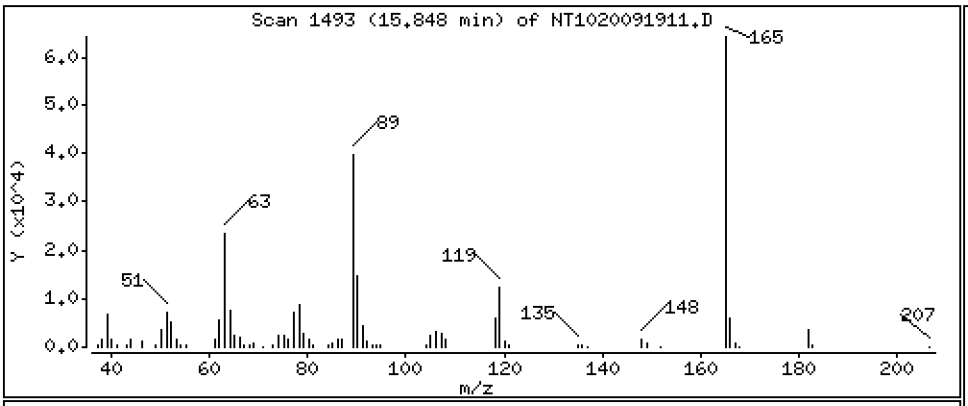
Operator: VTS

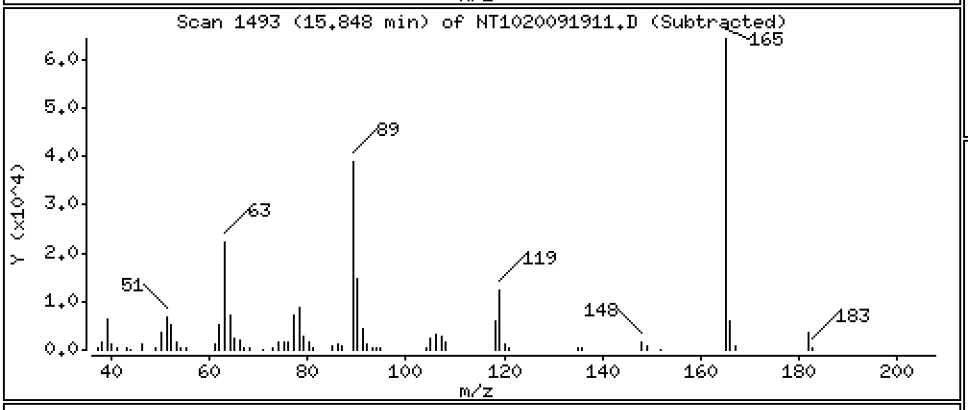
Column phase: ZB-5msi

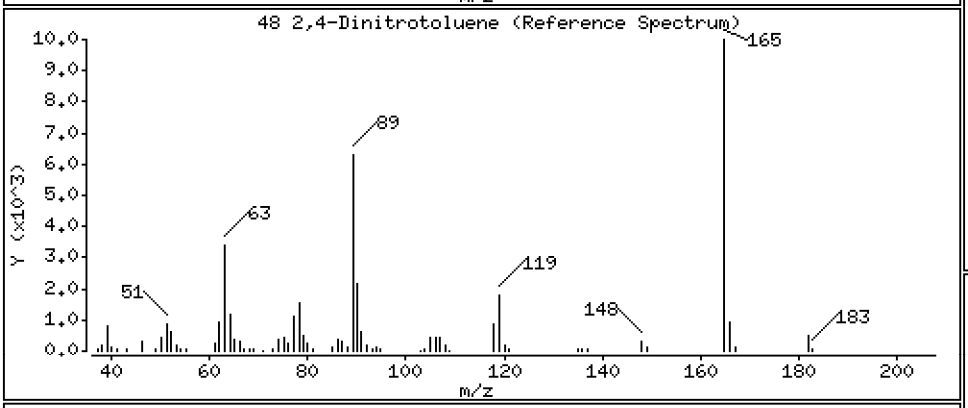
Column diameter: 0.25

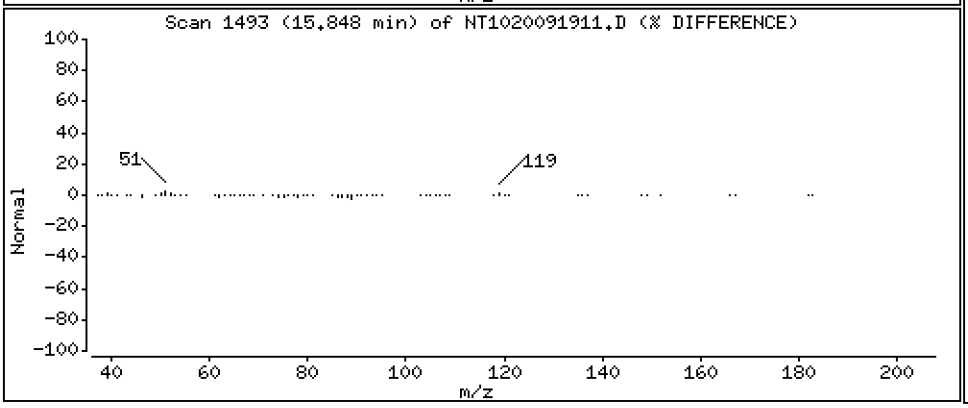
48 2,4-Dinitrotoluene

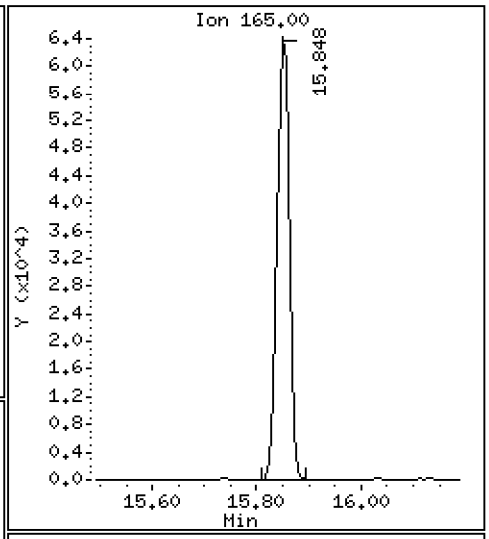
Concentration: 4.819 ug/mL

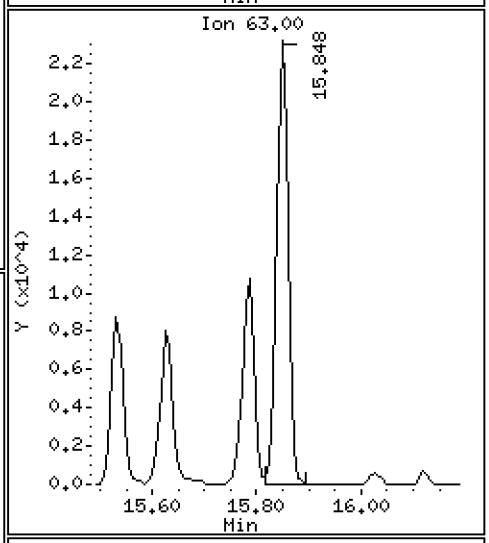


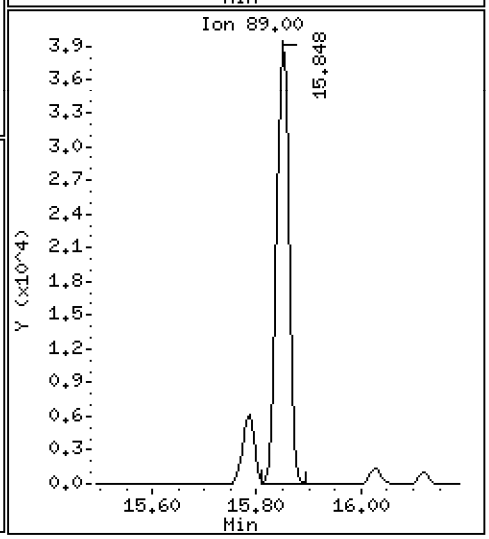












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

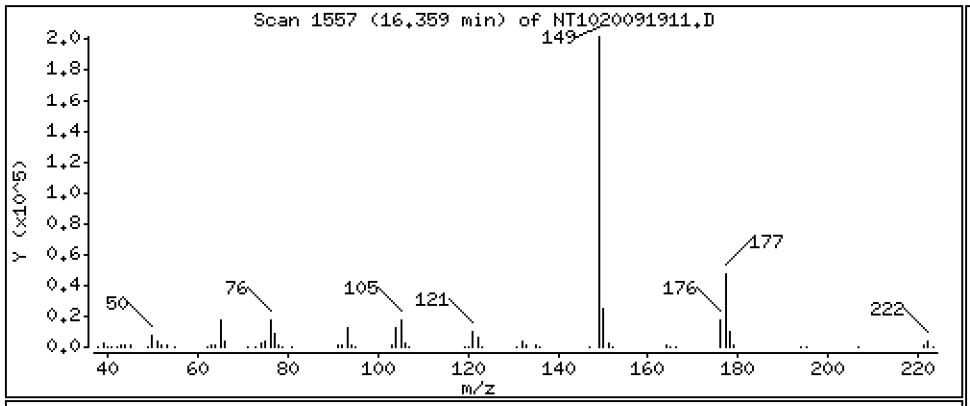
Operator: VTS

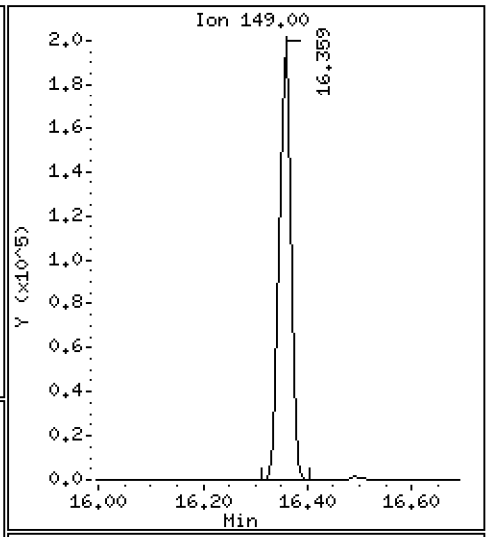
Column phase: ZB-5msi

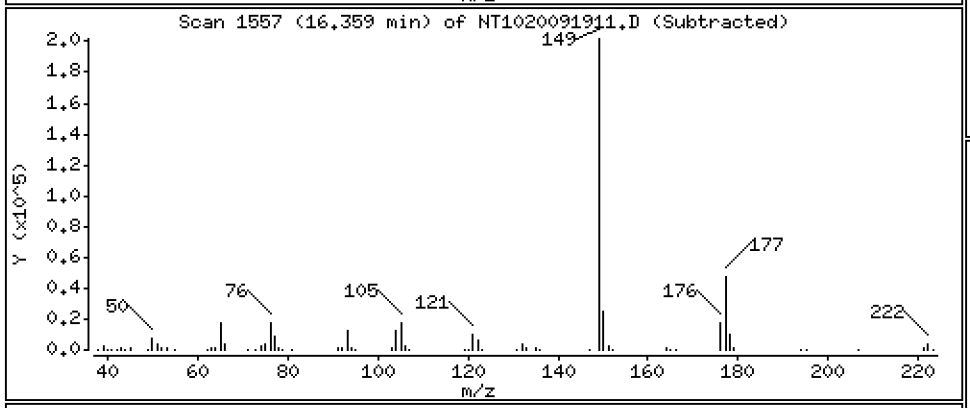
Column diameter: 0.25

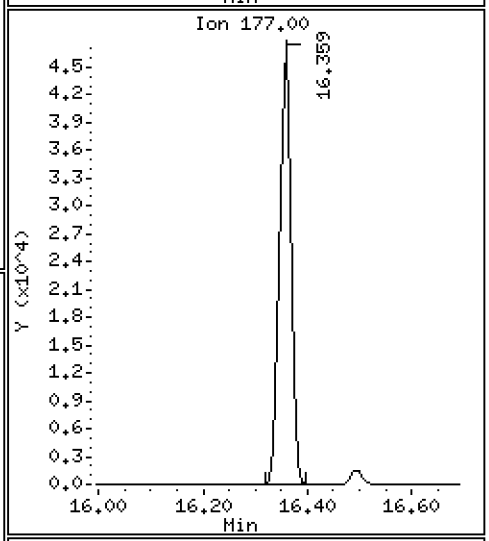
50 Diethylphthalate

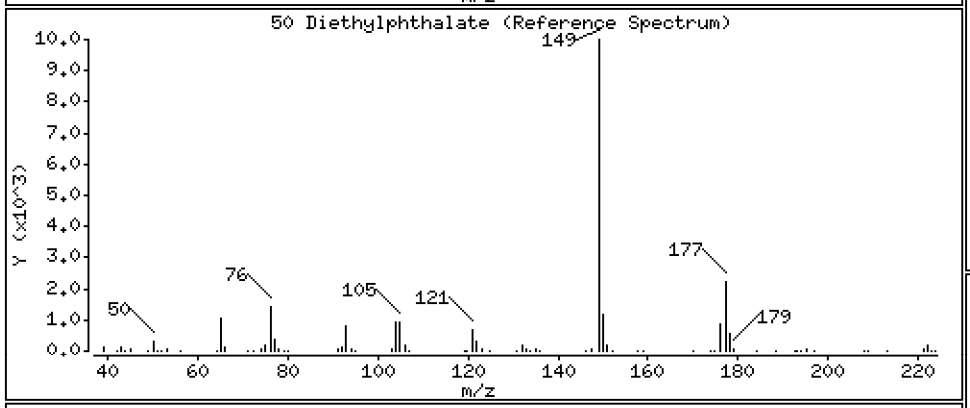
Concentration: 4.772 ug/mL

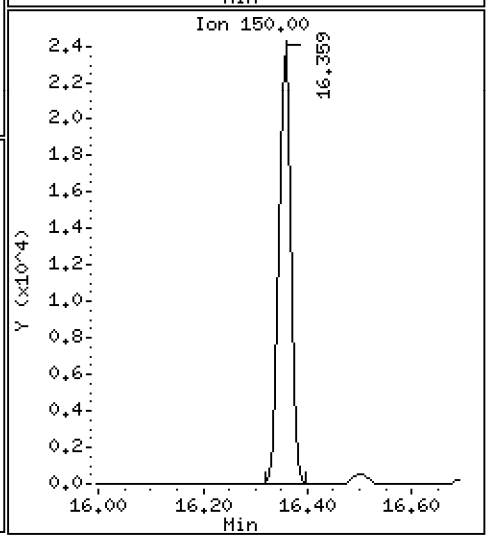


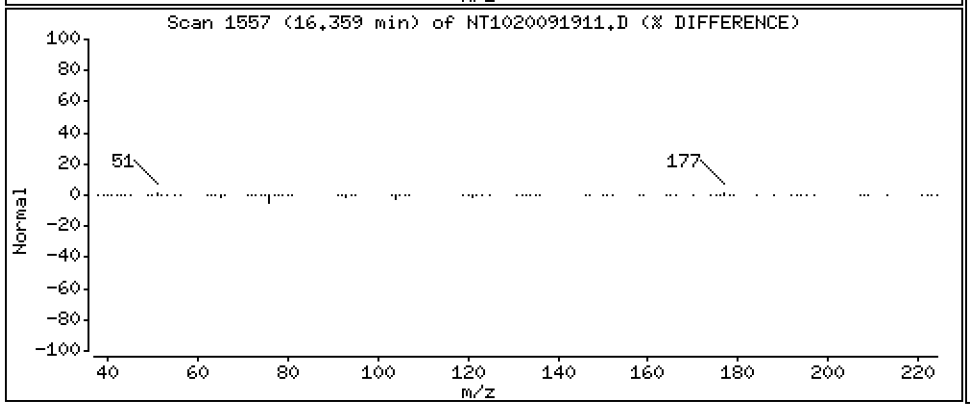












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

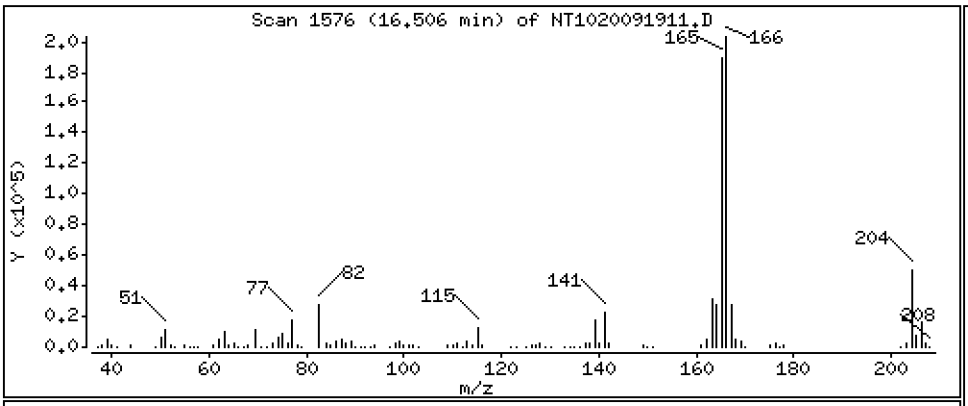
Operator: VTS

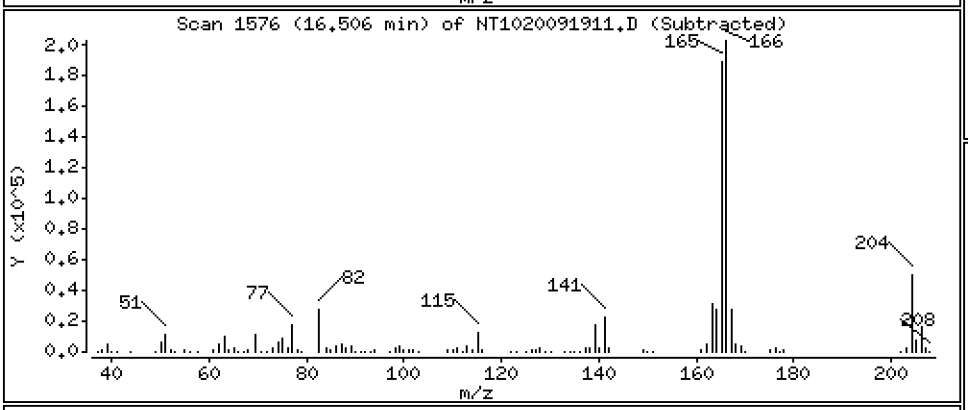
Column phase: ZB-5msi

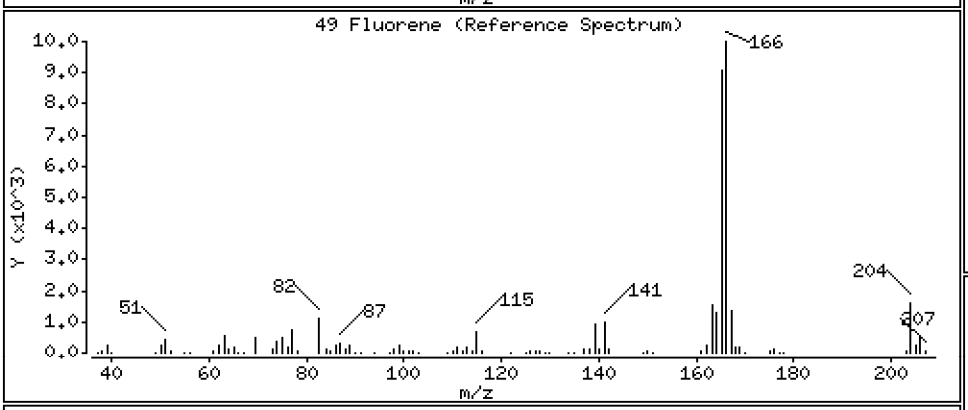
Column diameter: 0.25

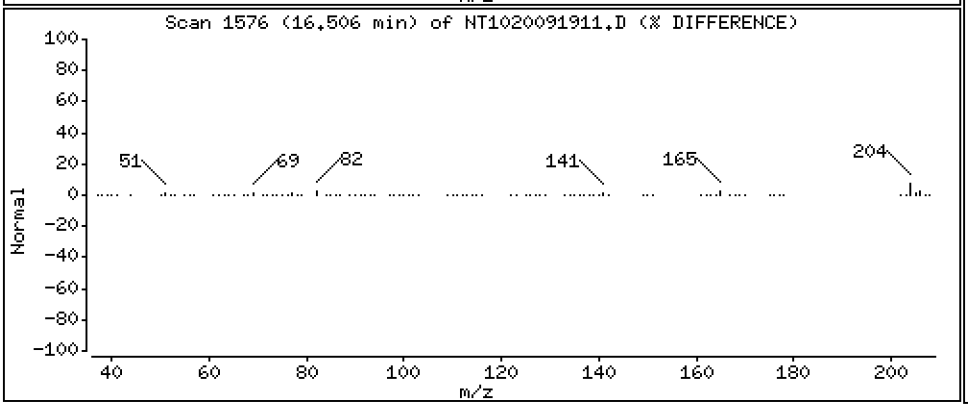
49 Fluorene

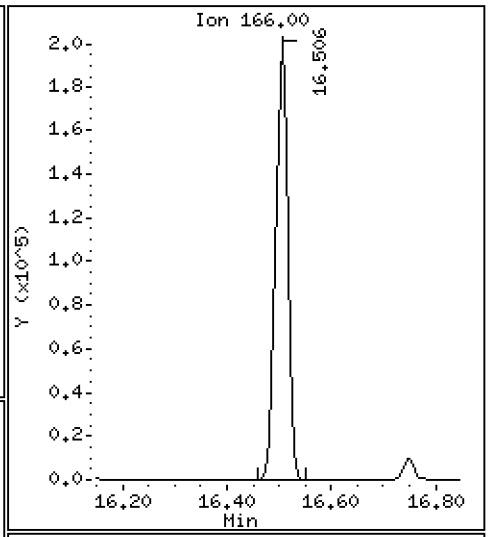
Concentration: 4.492 ug/mL

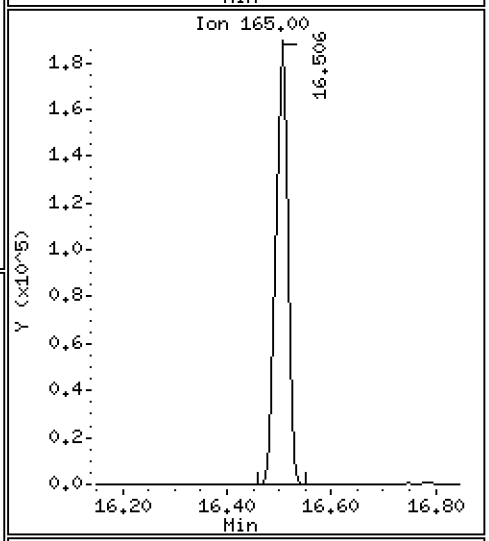


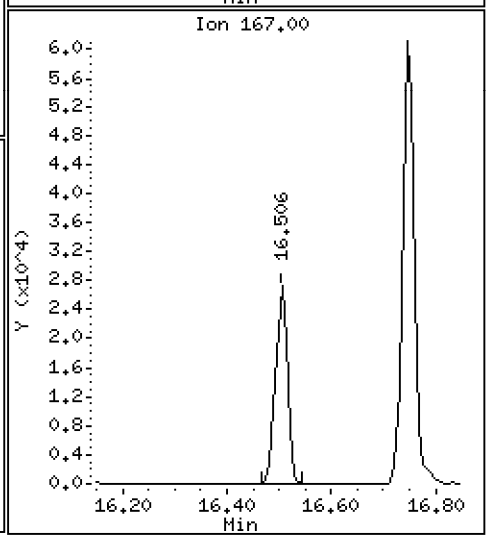












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

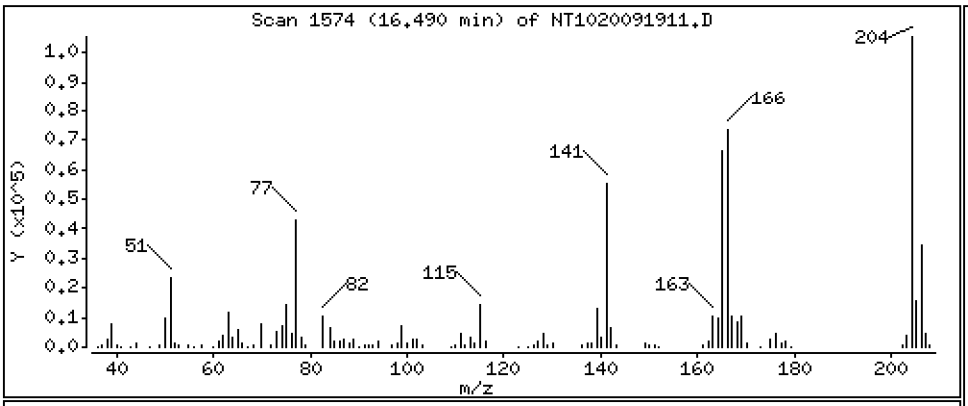
Operator: VTS

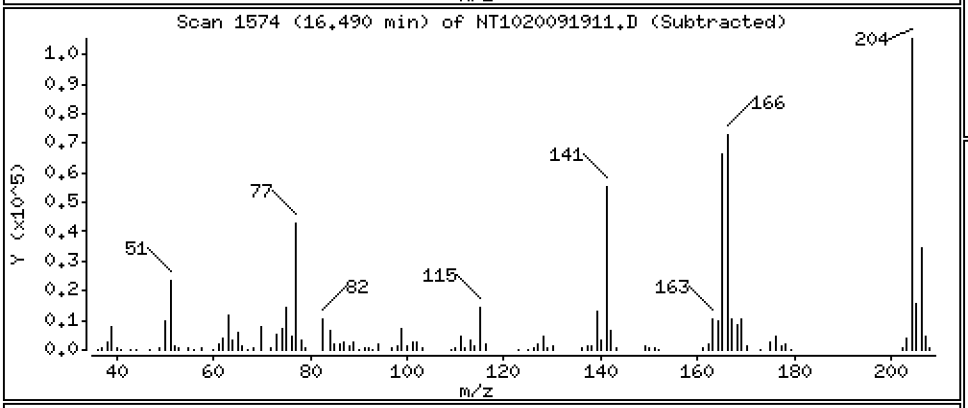
Column phase: ZB-5msi

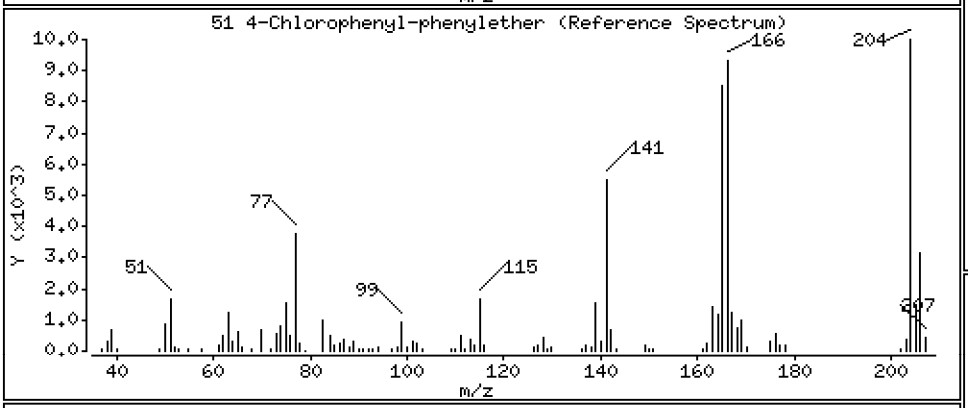
Column diameter: 0.25

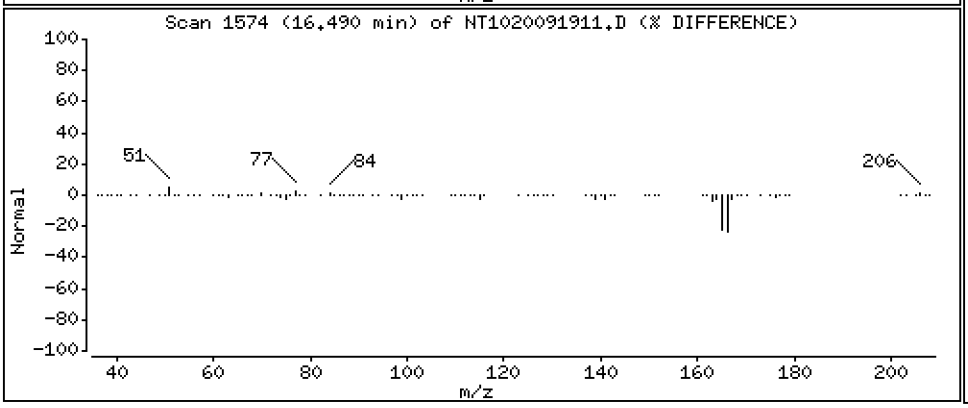
51 4-Chlorophenyl-phenylether

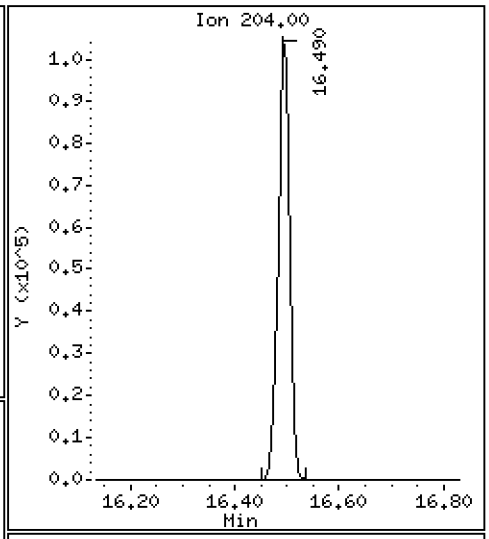
Concentration: 4.698 ug/mL

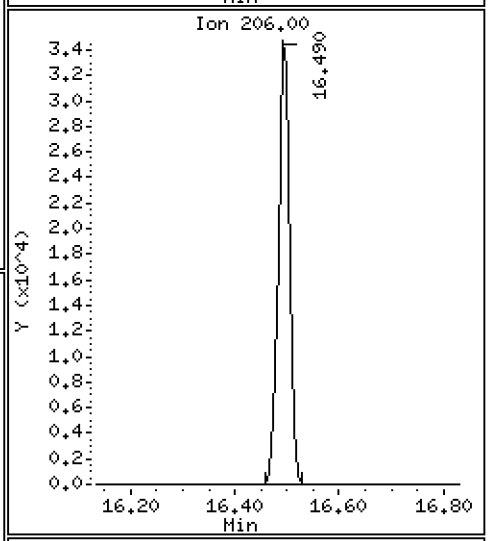


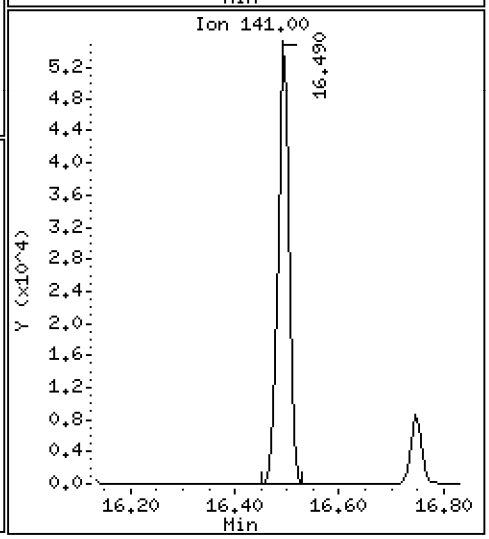












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

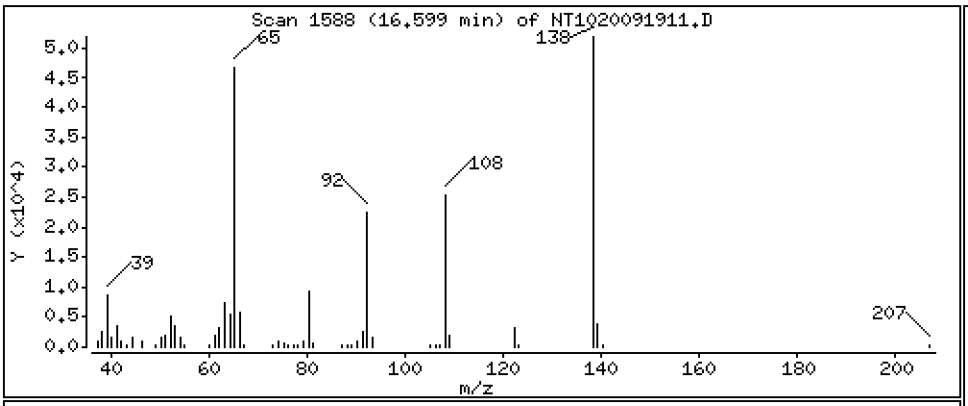
Operator: VTS

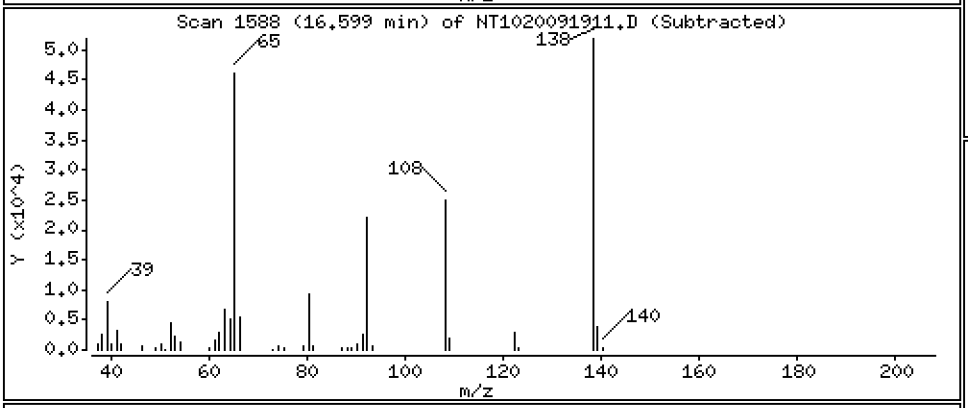
Column phase: ZB-5msi

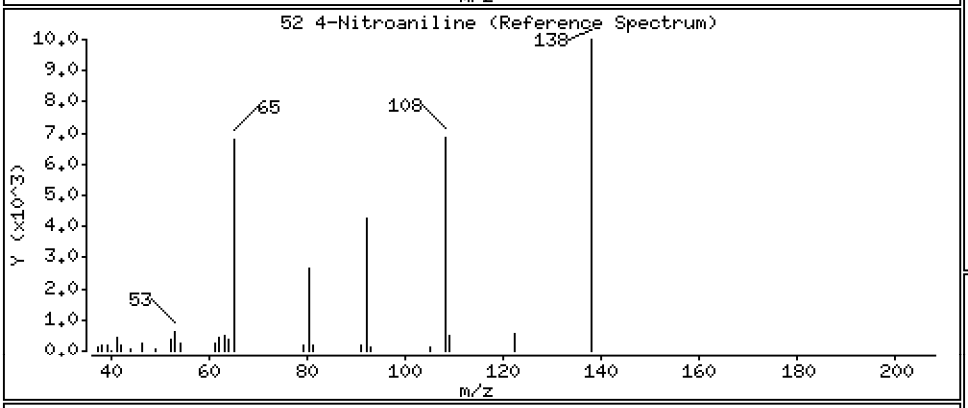
Column diameter: 0.25

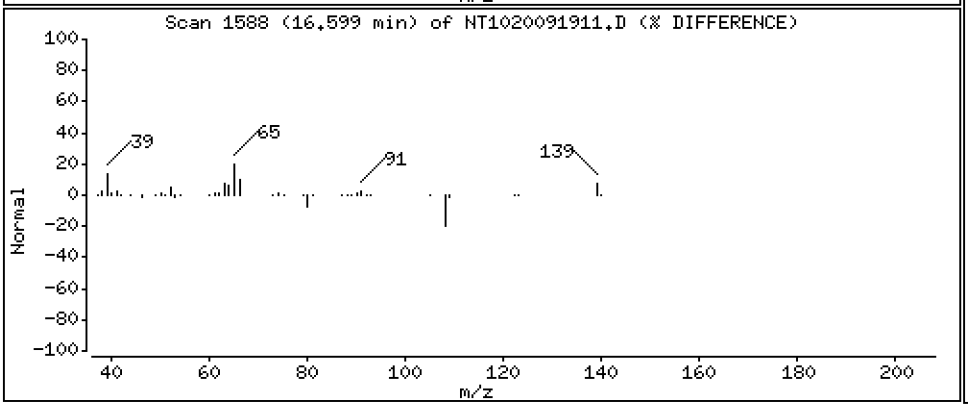
52 4-Nitroaniline

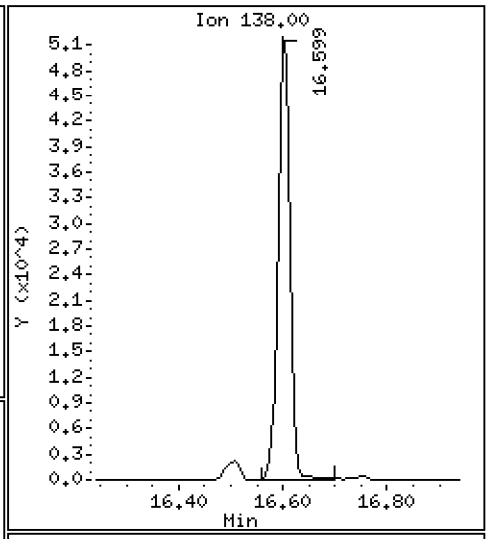
Concentration: 5.313 ug/mL

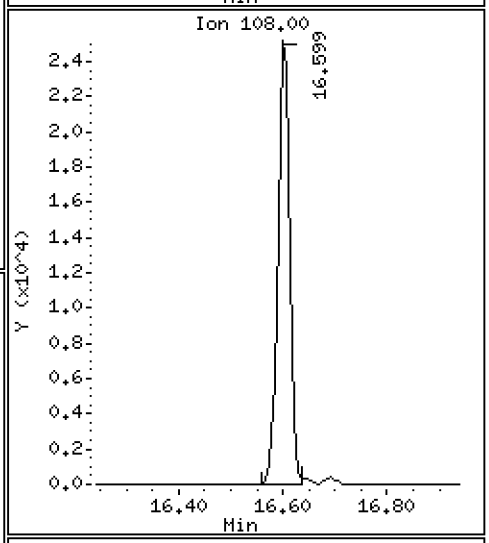


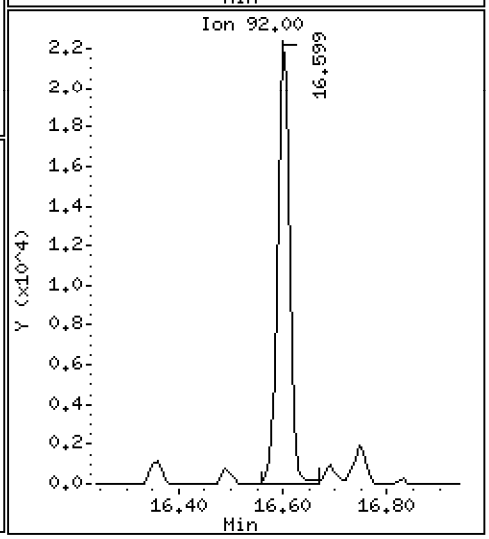












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

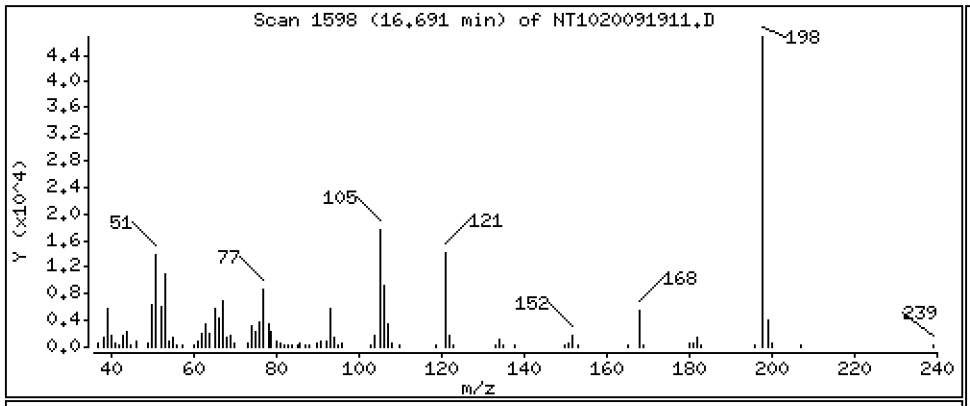
Operator: VTS

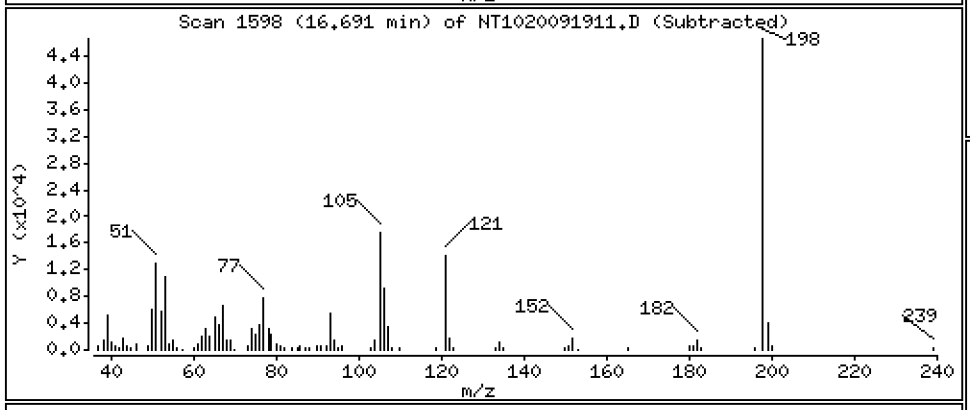
Column phase: ZB-5msi

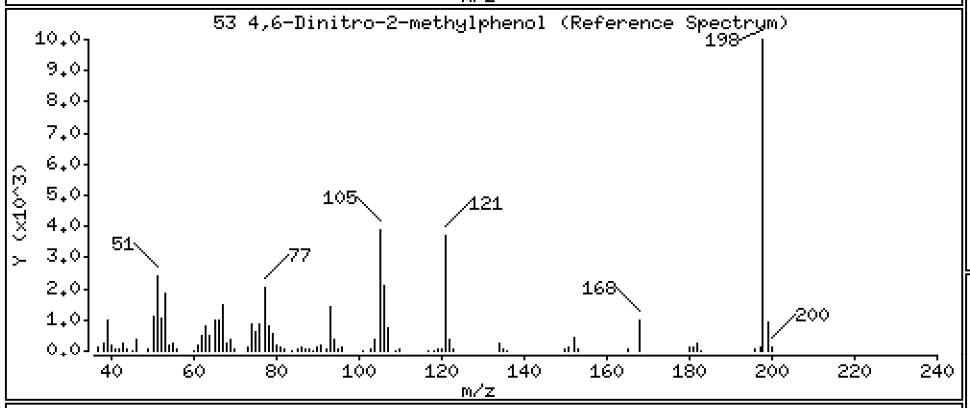
Column diameter: 0.25

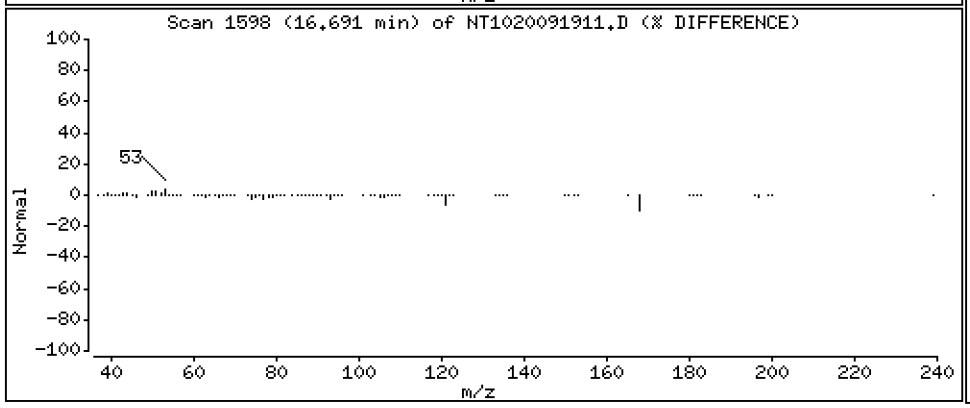
53 4,6-Dinitro-2-methylphenol

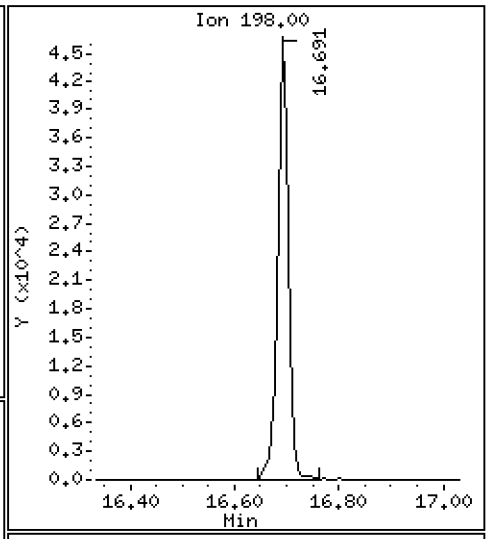
Concentration: 4.950 ug/mL

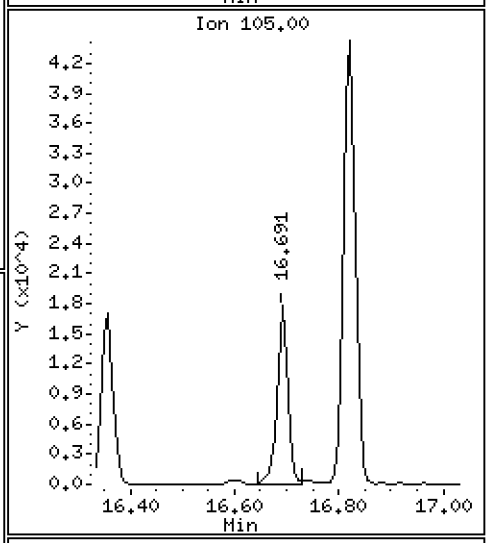


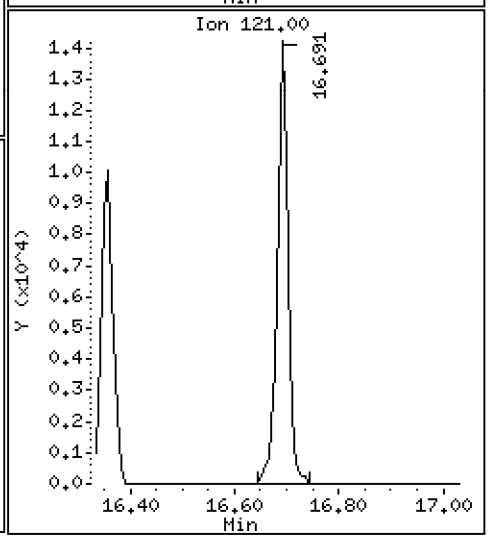












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

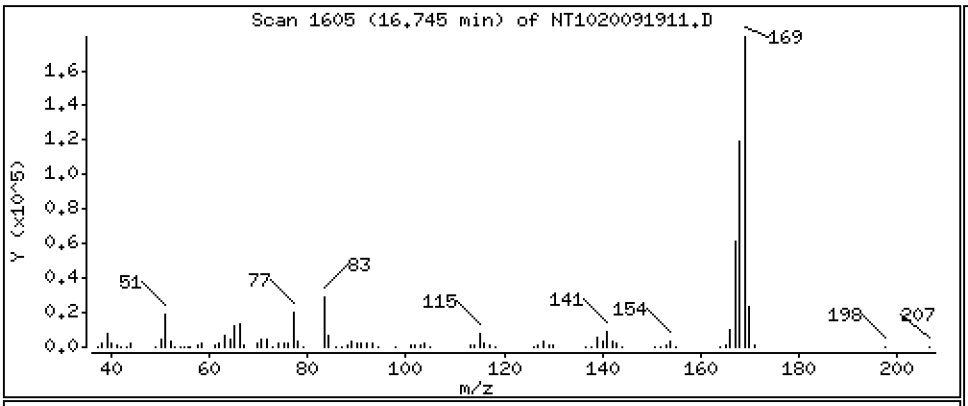
Operator: VTS

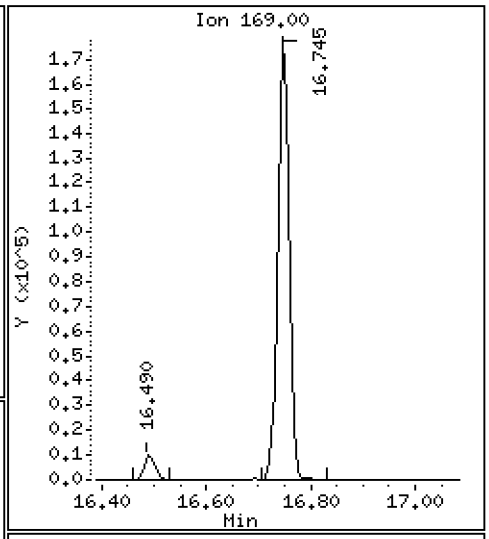
Column phase: ZB-5msi

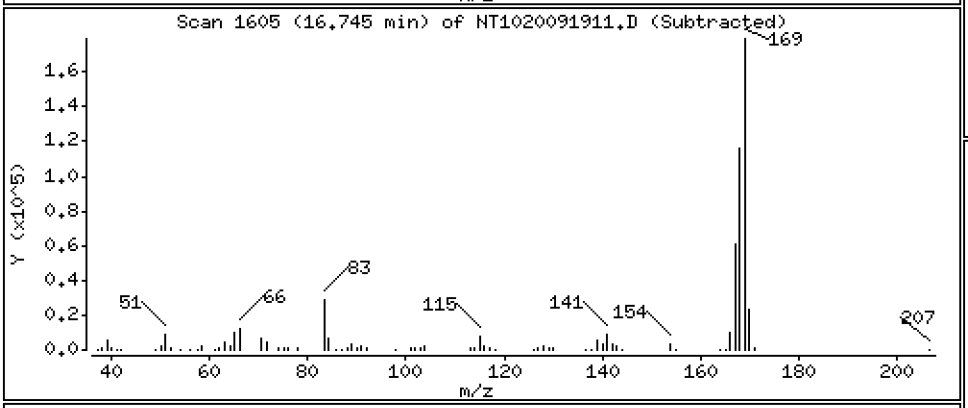
Column diameter: 0.25

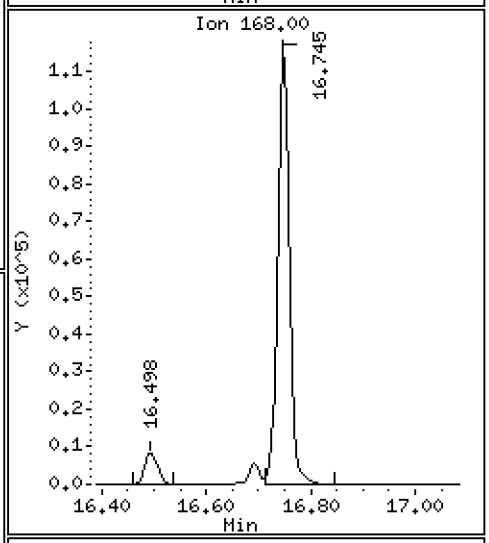
54 N-Nitrosodiphenylamine

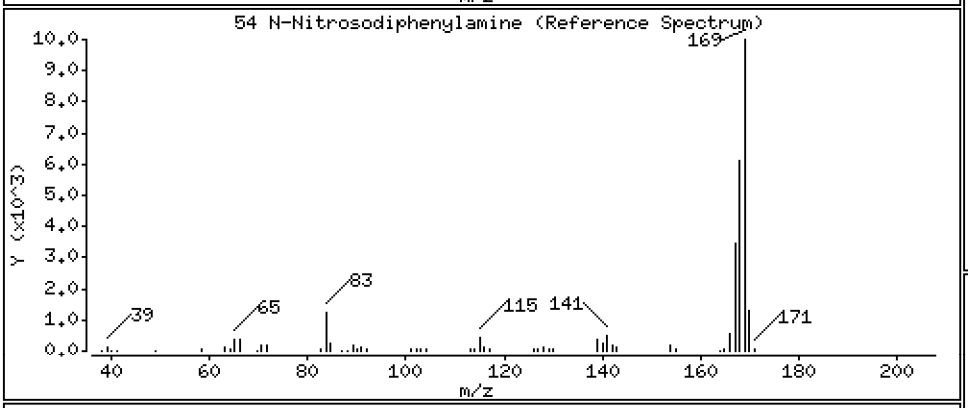
Concentration: 6.430 ug/mL

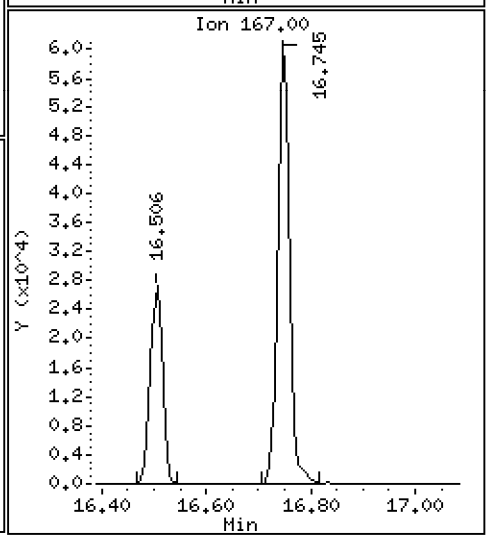


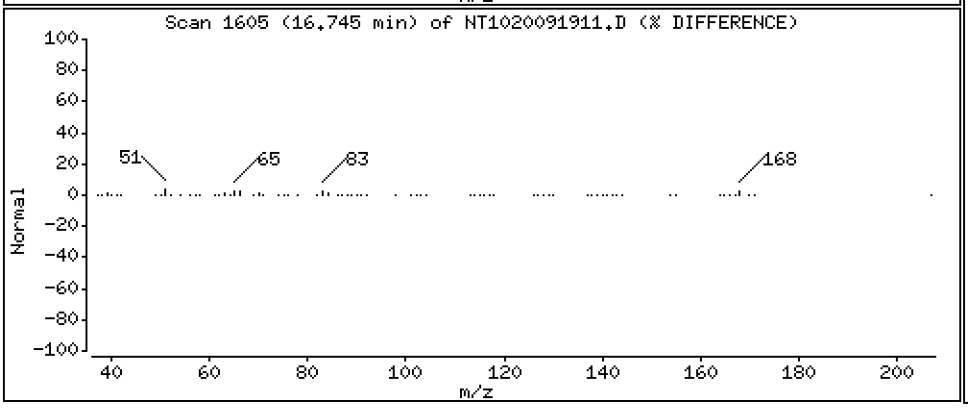












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

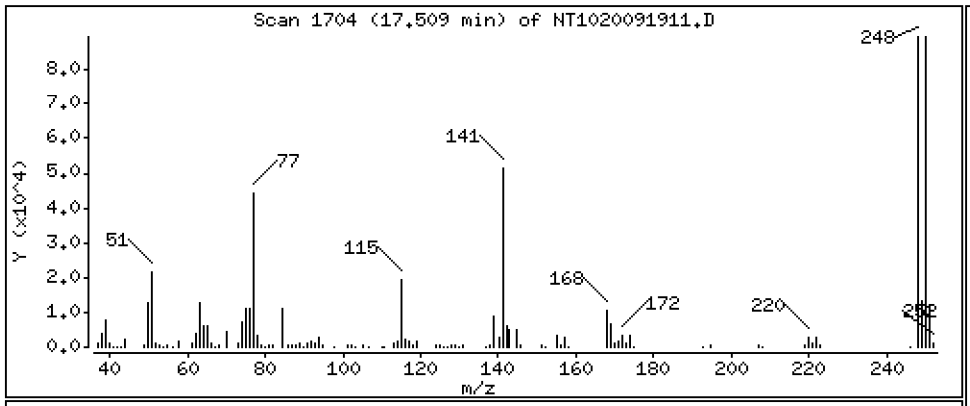
Operator: VTS

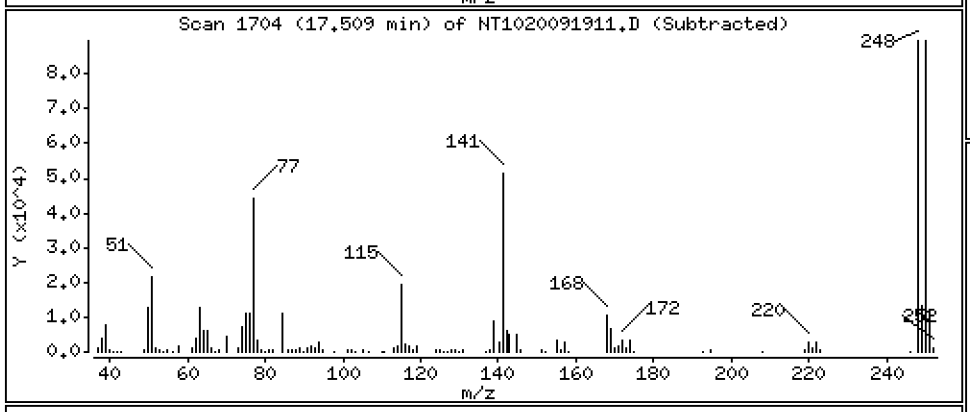
Column phase: ZB-5msi

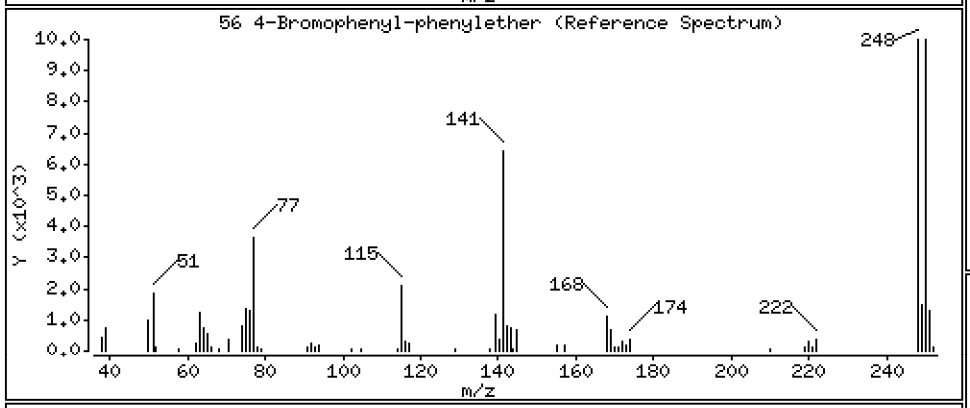
Column diameter: 0.25

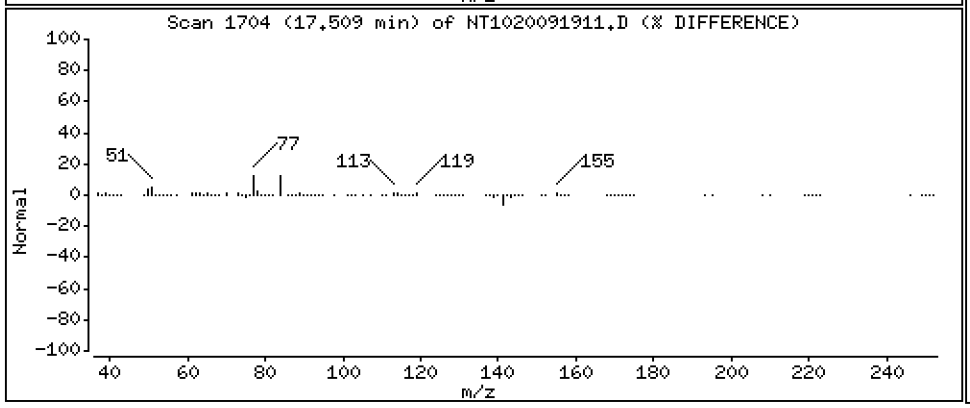
56 4-Bromophenyl-phenylether

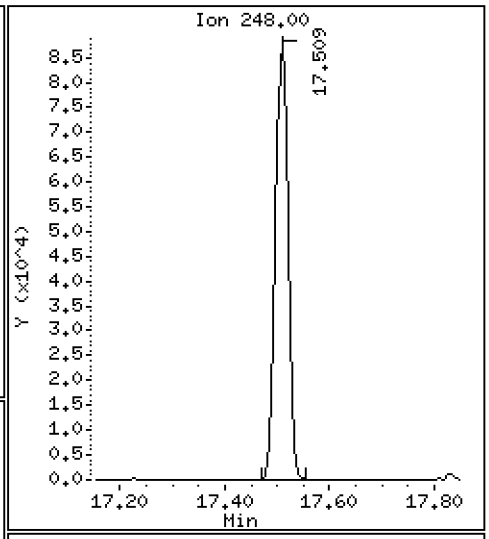
Concentration: 4.848 ug/mL

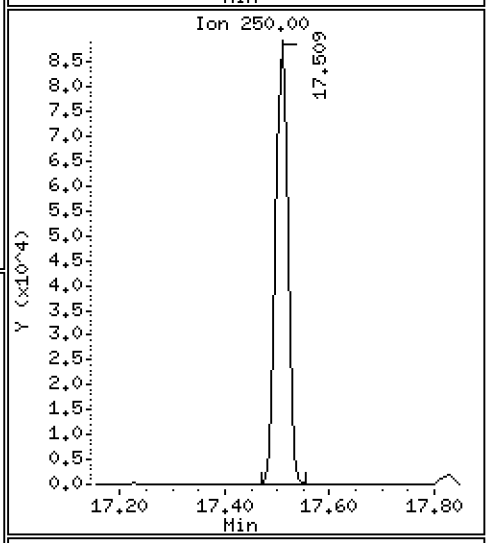


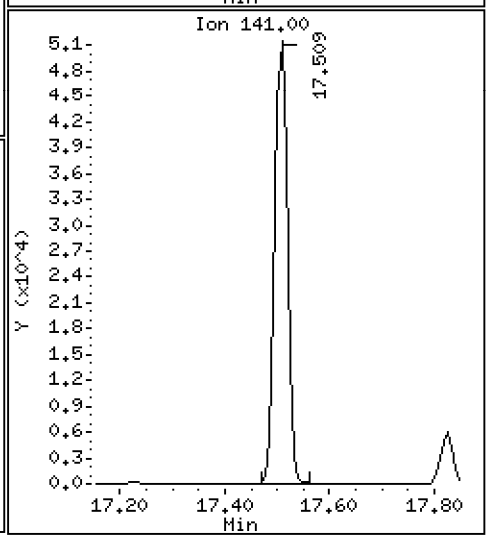












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

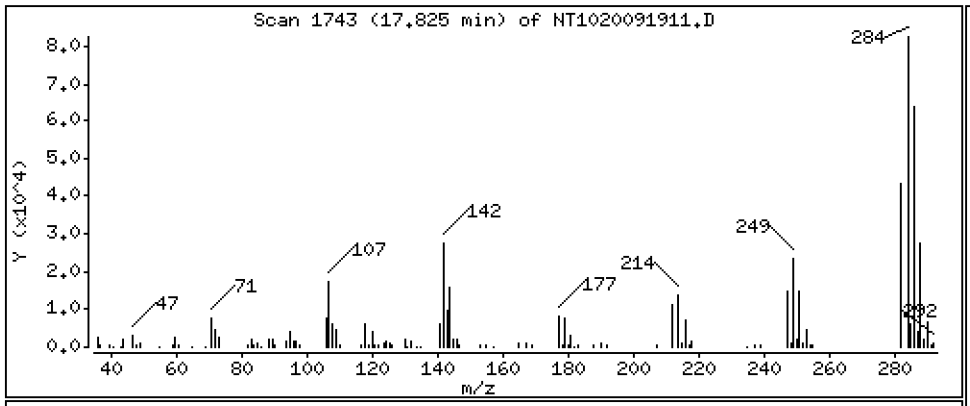
Operator: VTS

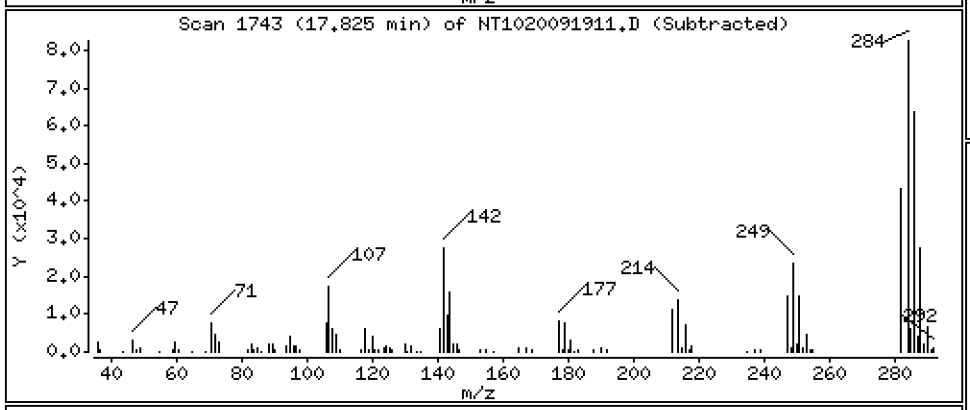
Column phase: ZB-5msi

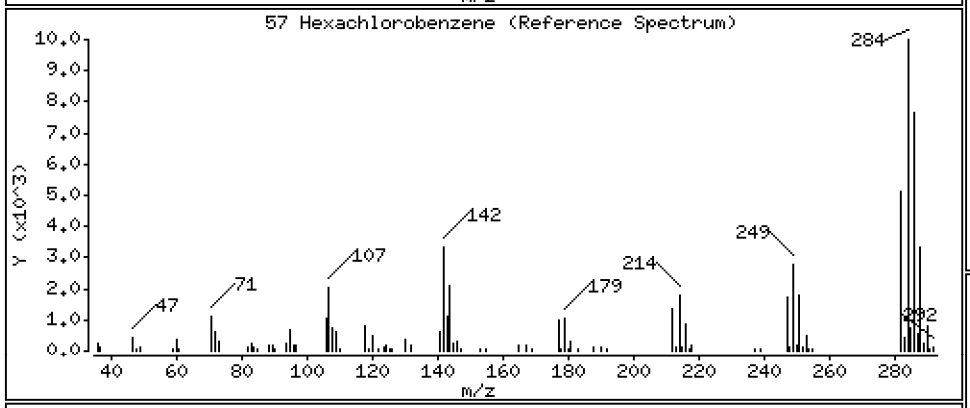
Column diameter: 0.25

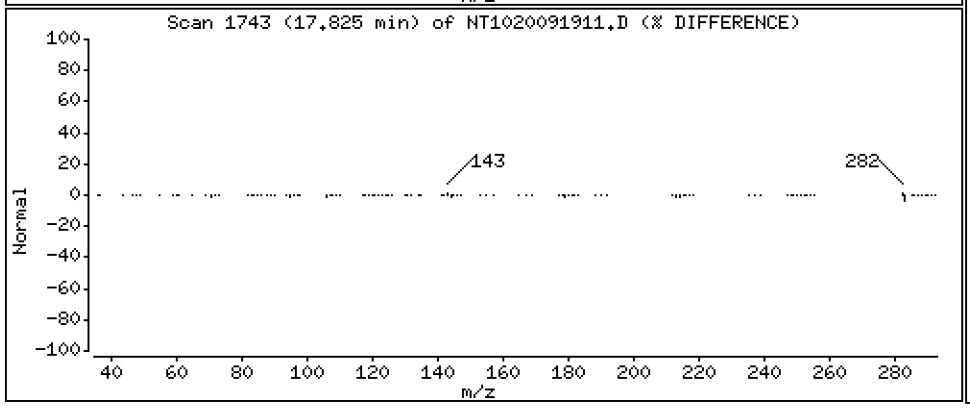
57 Hexachlorobenzene

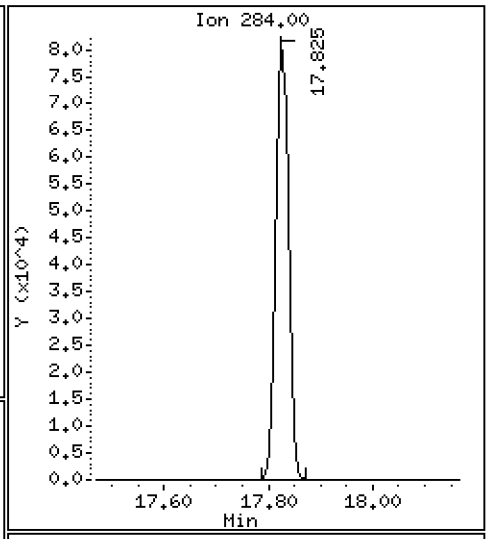
Concentration: 4.598 ug/mL

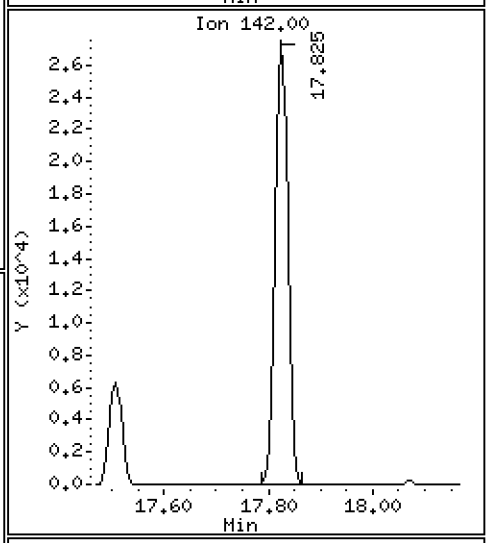


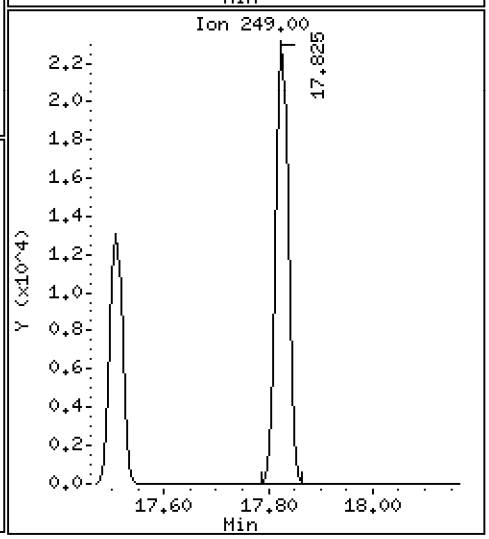












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

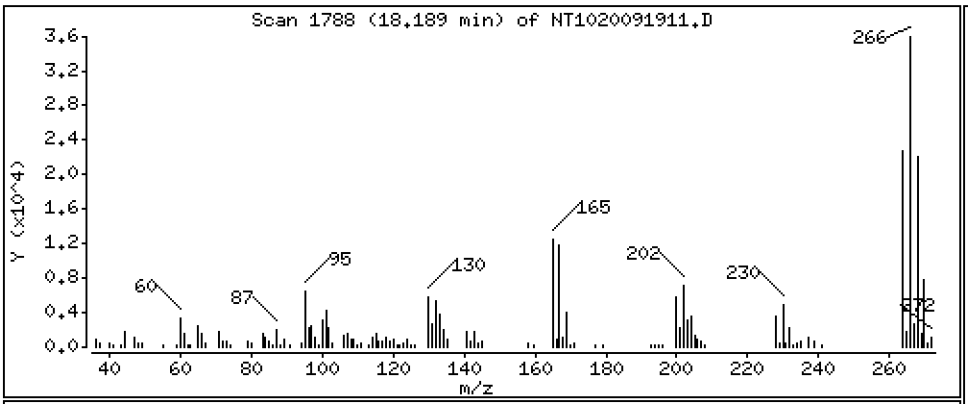
Operator: VTS

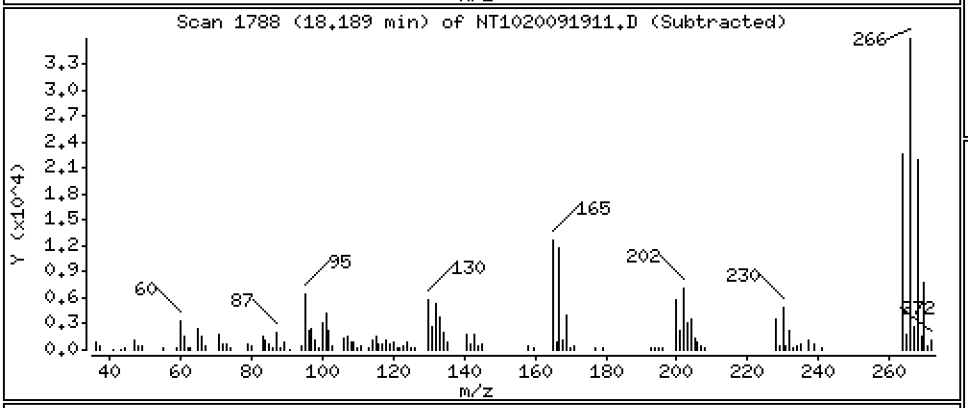
Column phase: ZB-5msi

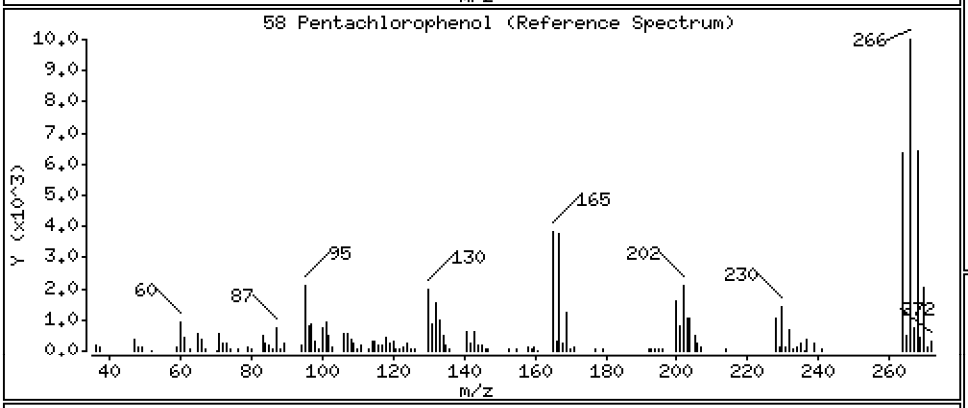
Column diameter: 0.25

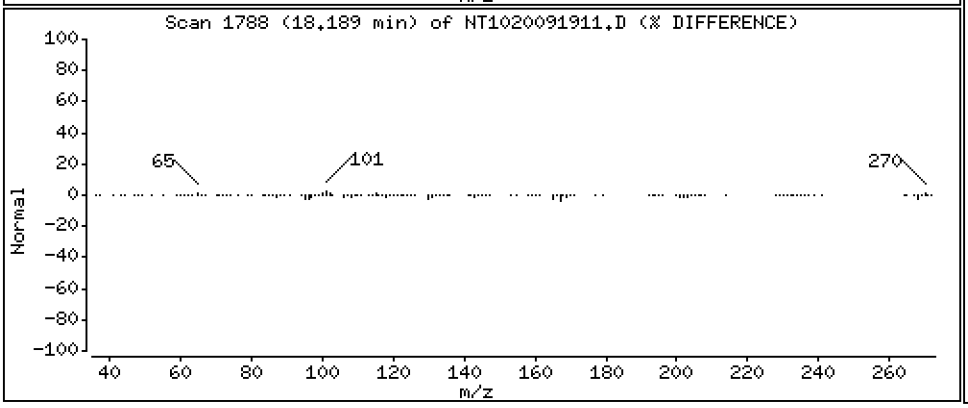
58 Pentachlorophenol

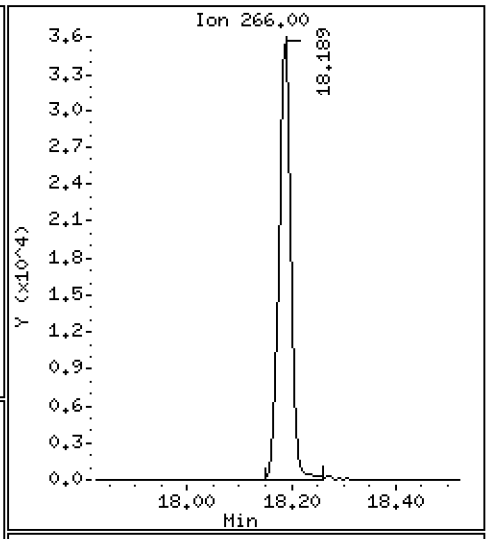
Concentration: 4.883 ug/mL

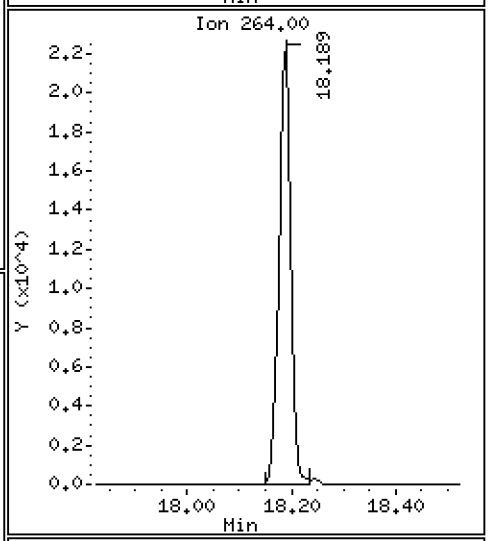


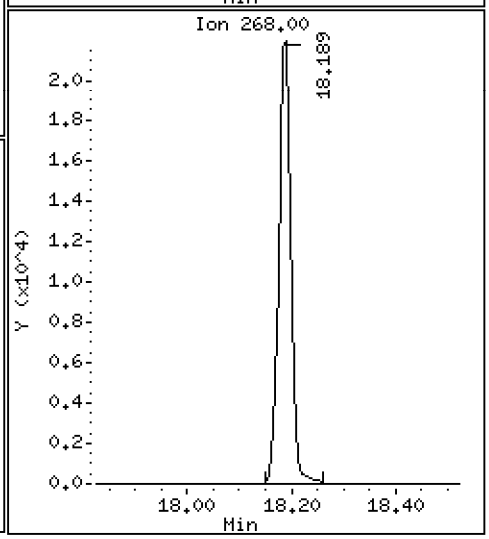












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

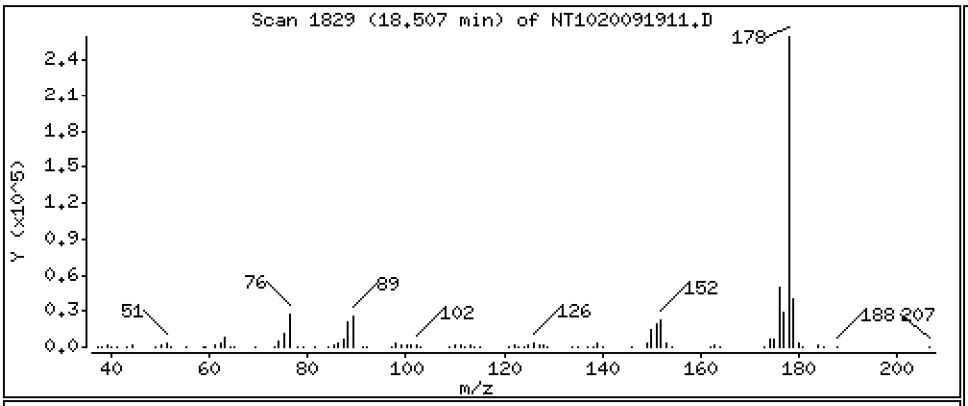
Operator: VTS

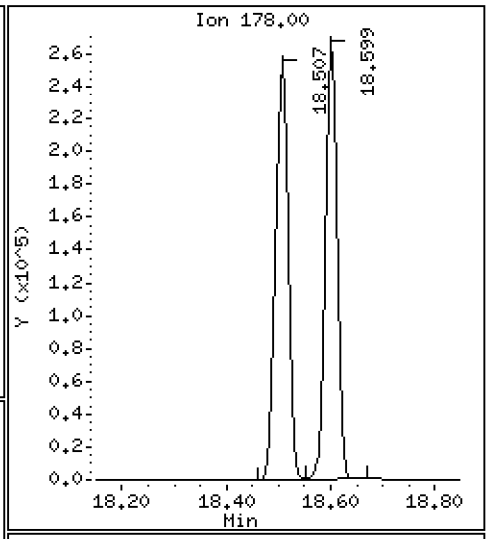
Column phase: ZB-5msi

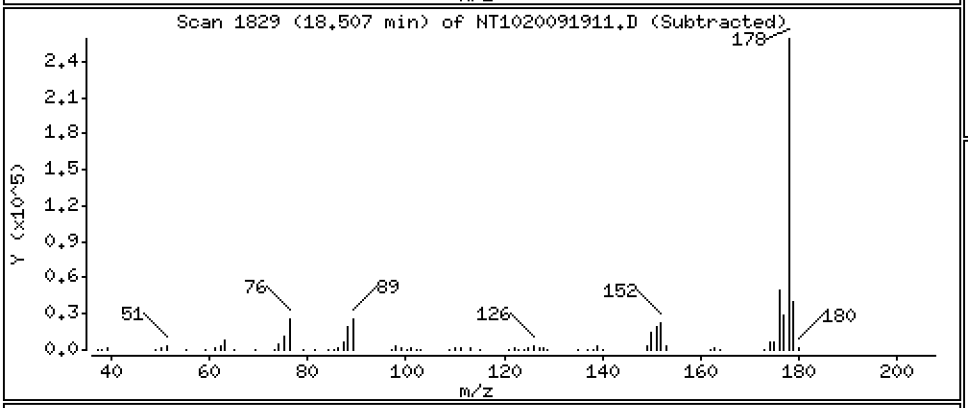
Column diameter: 0.25

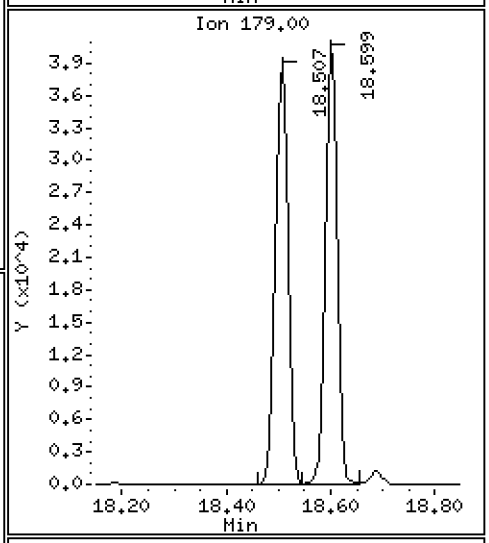
60 Phenanthrene

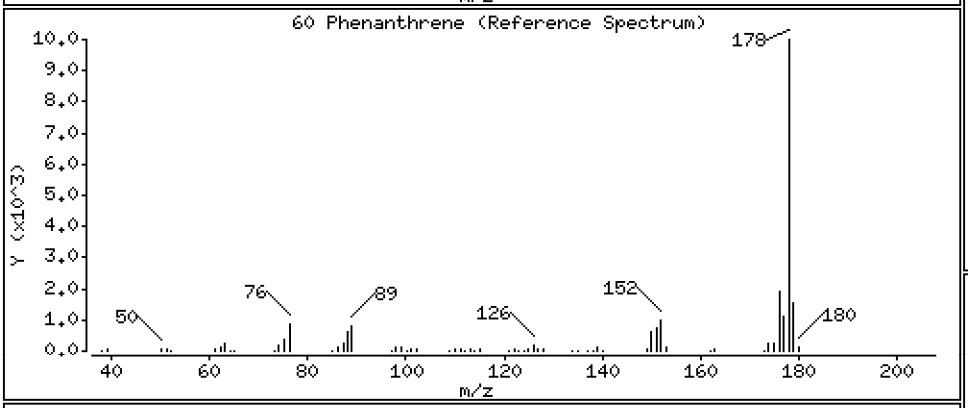
Concentration: 4.895 ug/mL

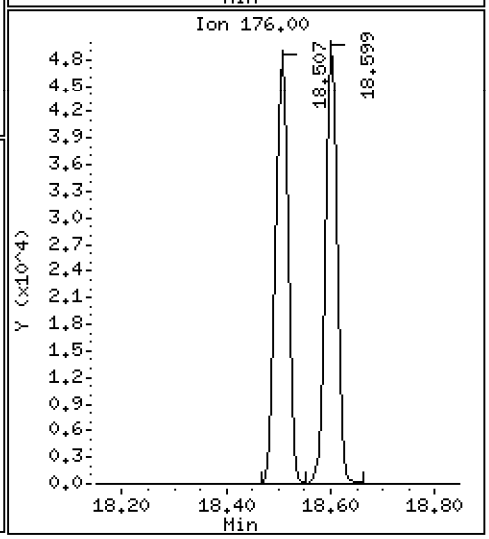


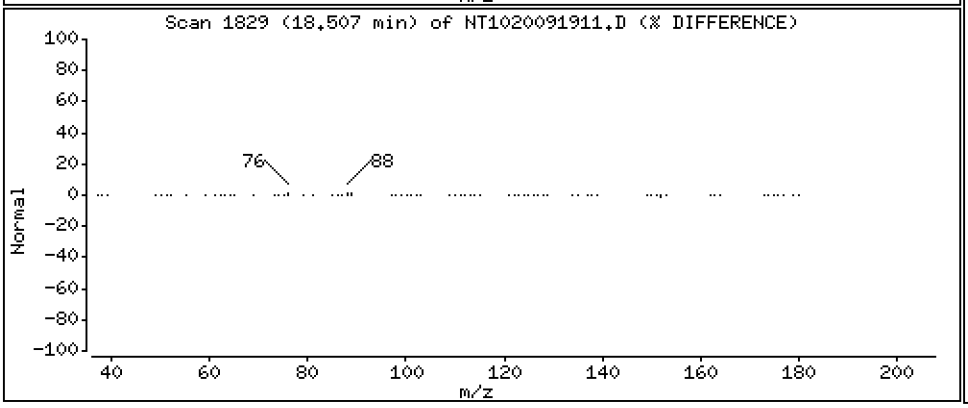












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

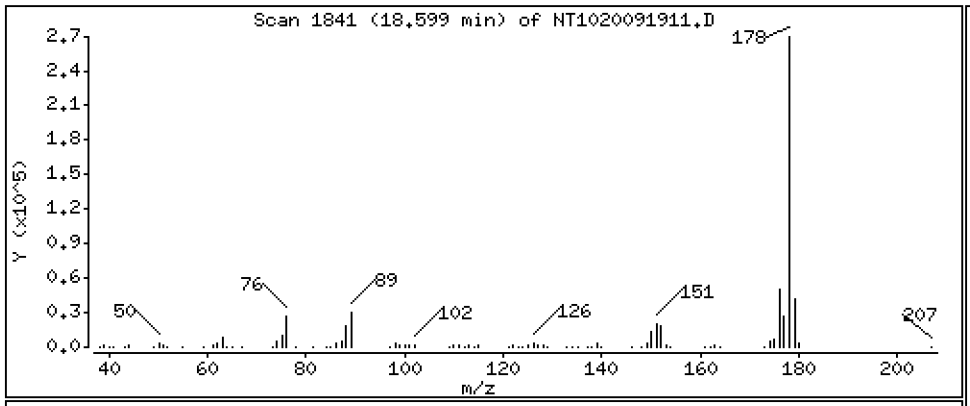
Operator: VTS

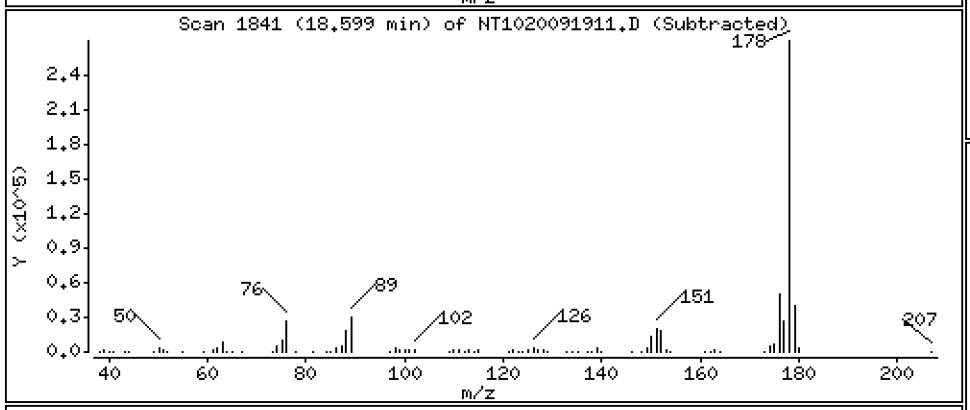
Column phase: ZB-5msi

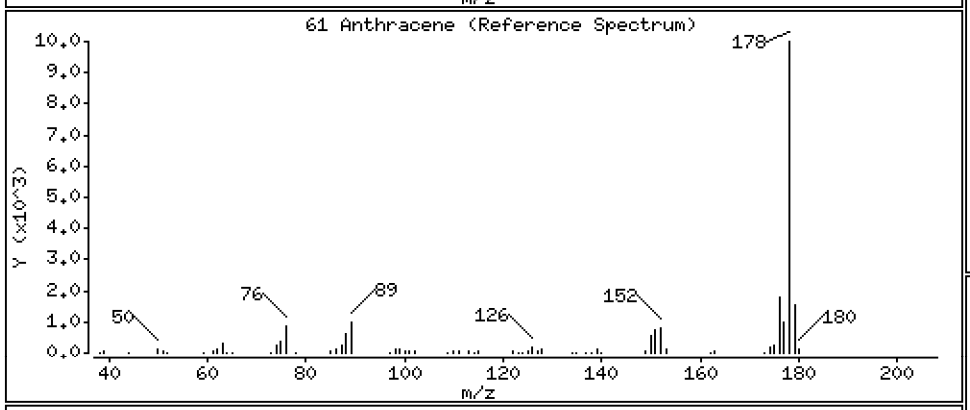
Column diameter: 0.25

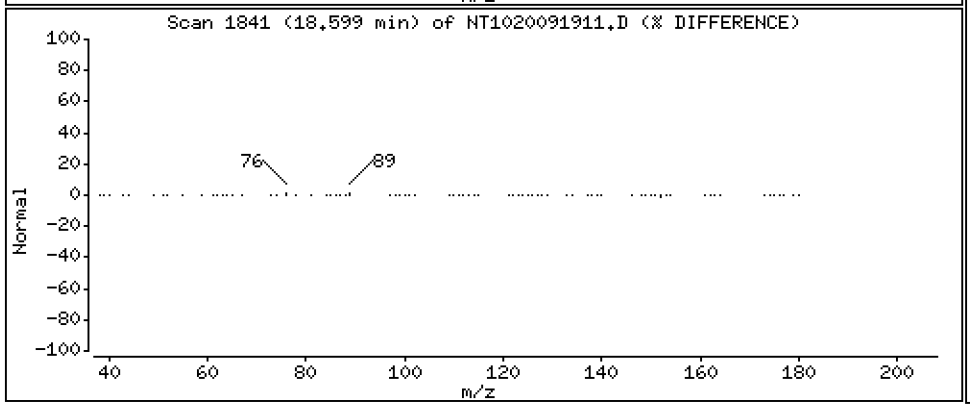
61 Anthracene

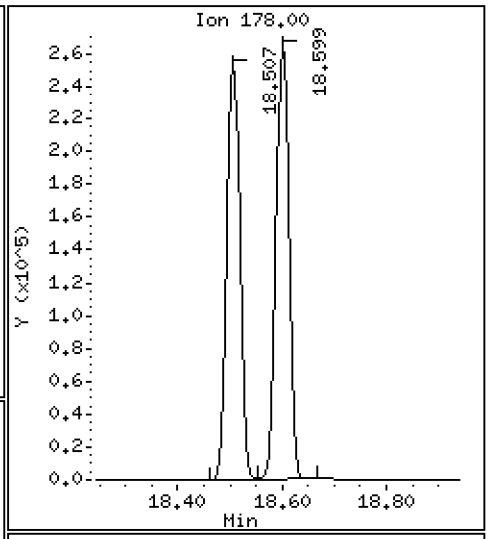
Concentration: 4.705 ug/mL

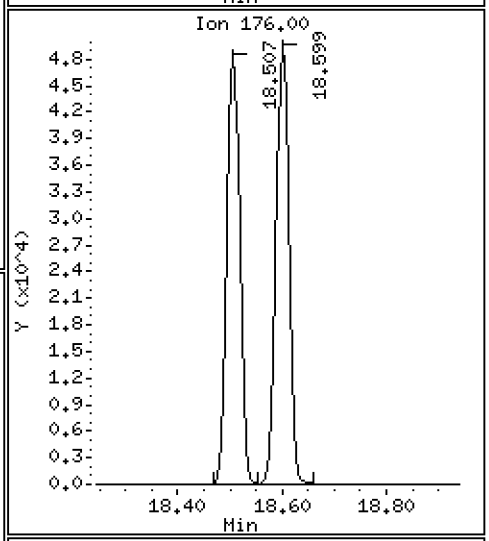


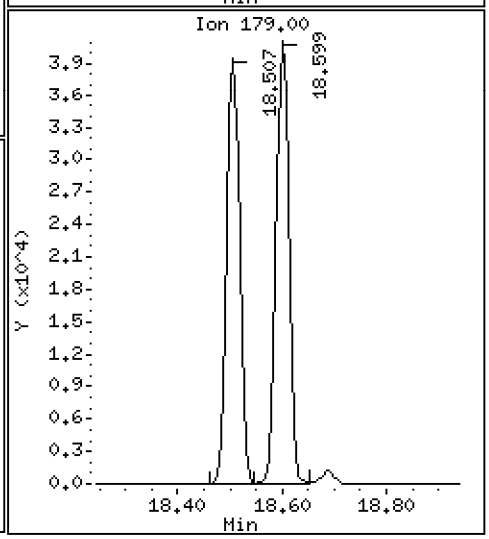












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

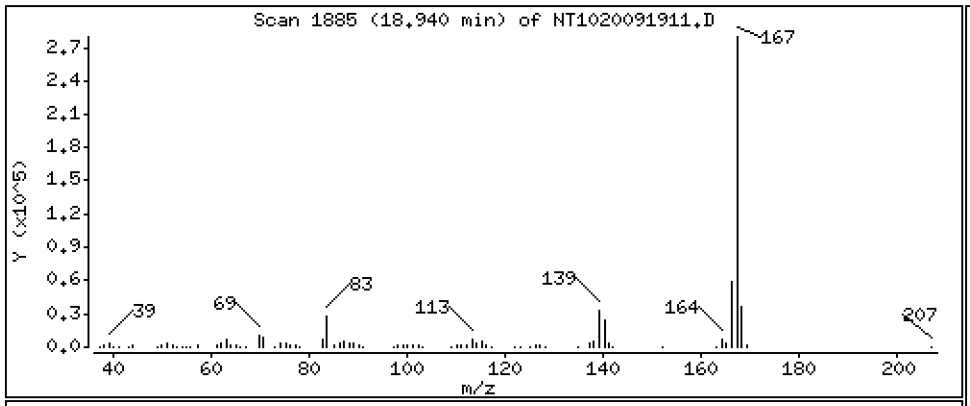
Operator: VTS

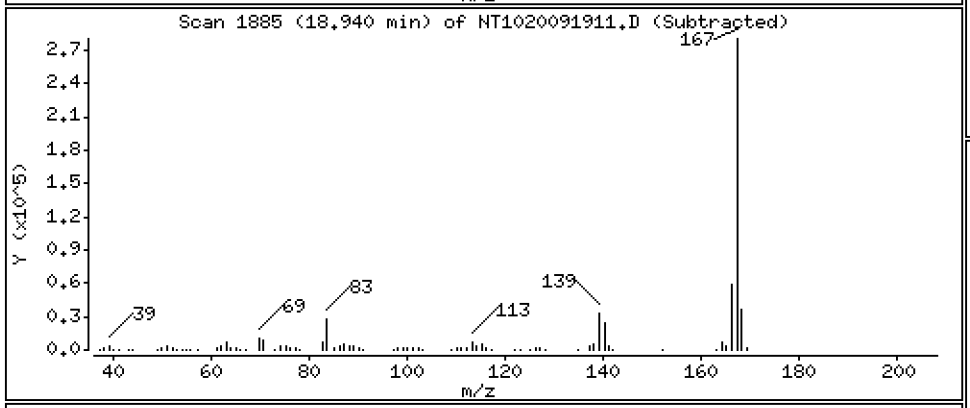
Column phase: ZB-5msi

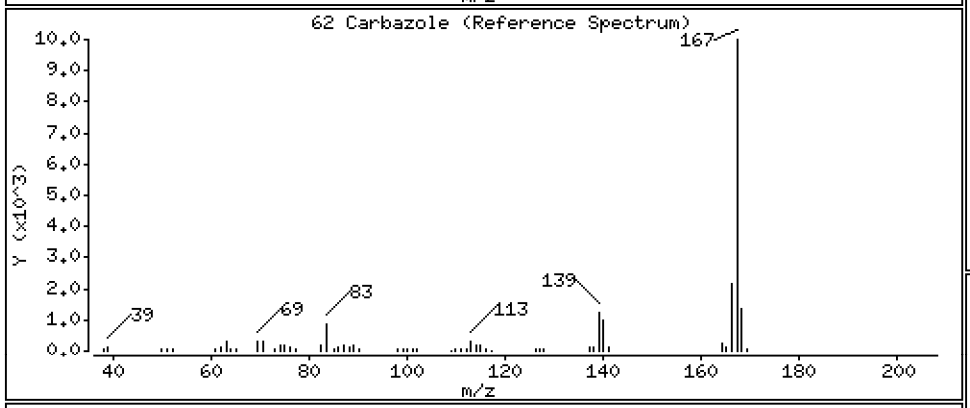
Column diameter: 0.25

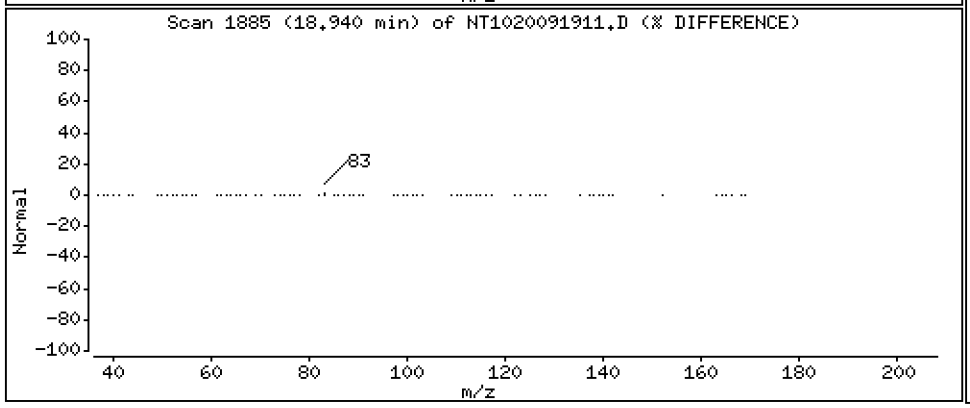
62 Carbazole

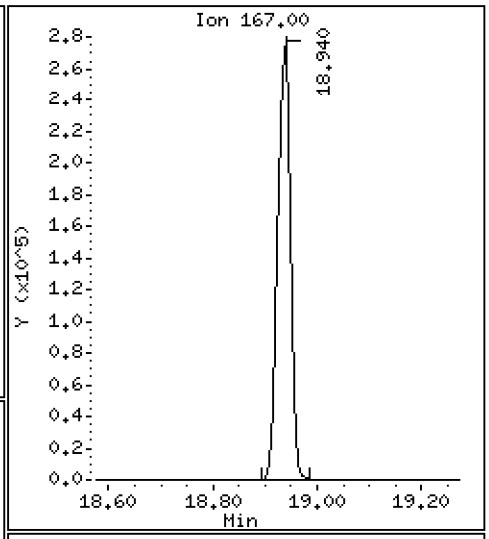
Concentration: 4.810 ug/mL

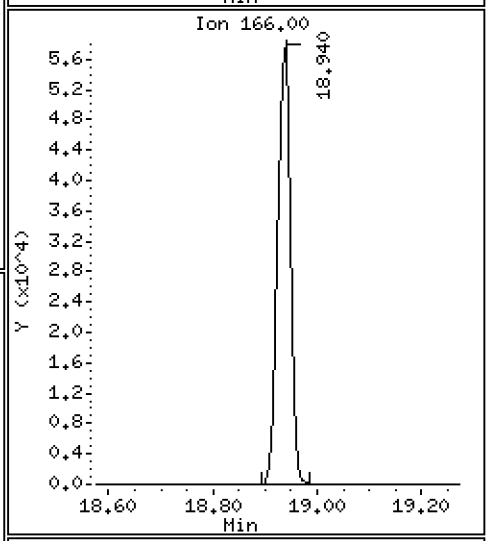


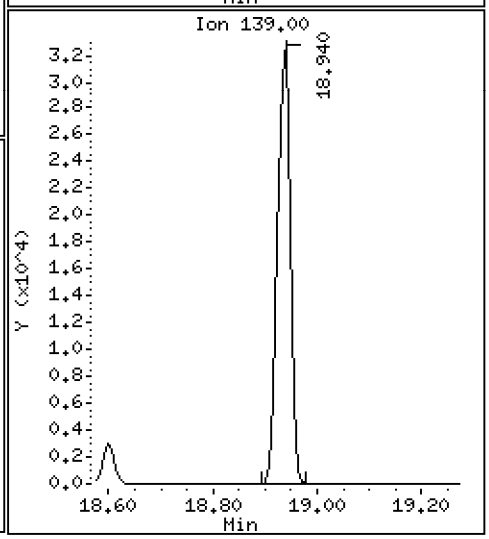












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

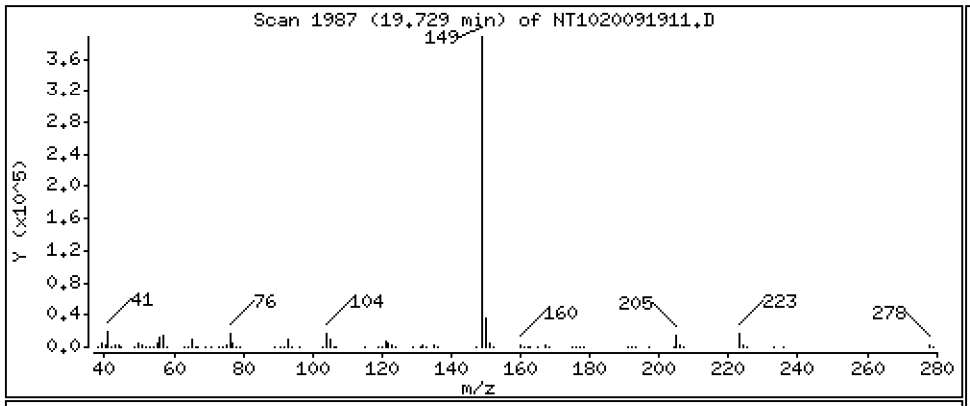
Operator: VTS

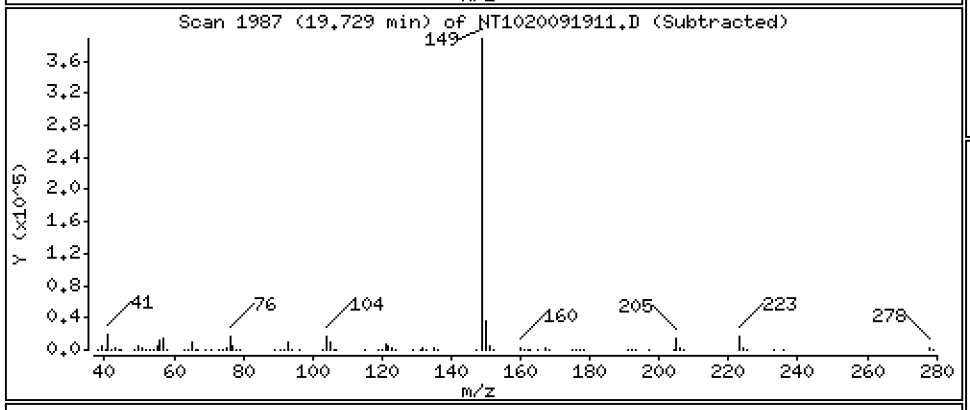
Column phase: ZB-5msi

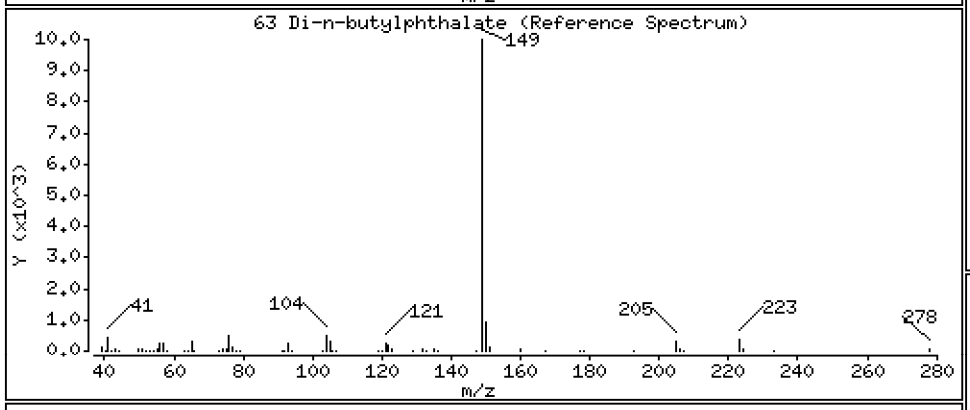
Column diameter: 0.25

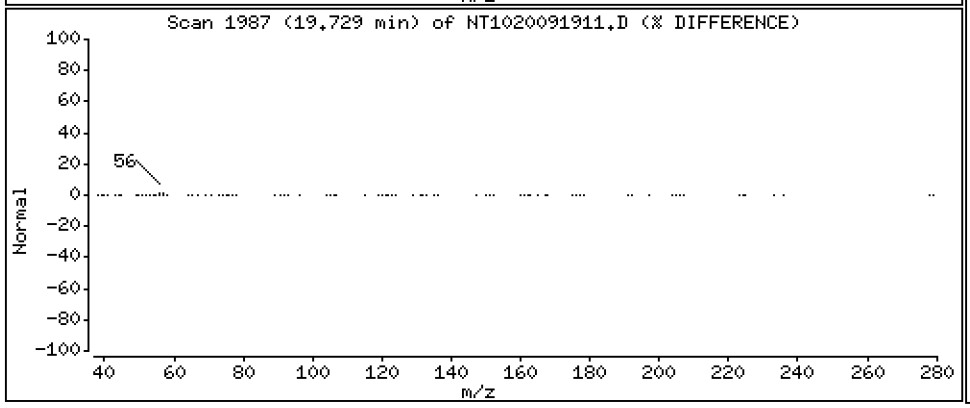
63 Di-n-butylphthalate

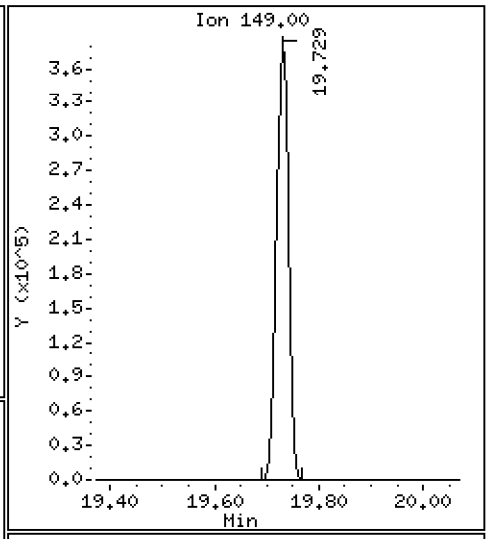
Concentration: 4.791 ug/mL

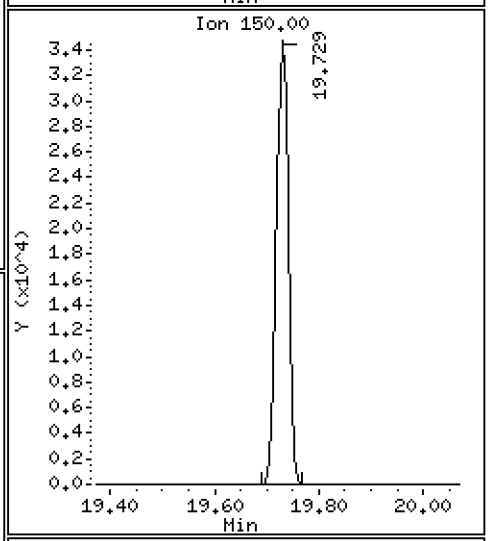


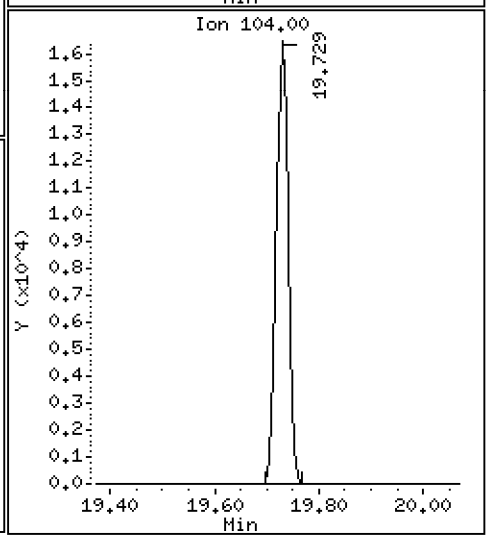












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

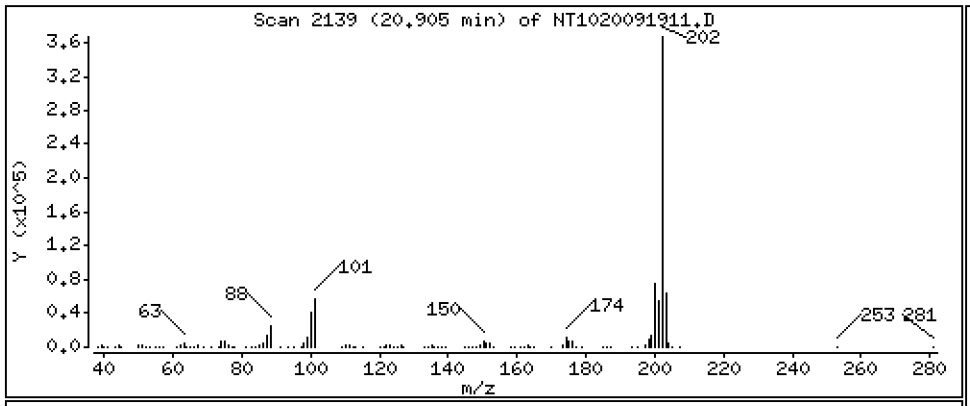
Operator: VTS

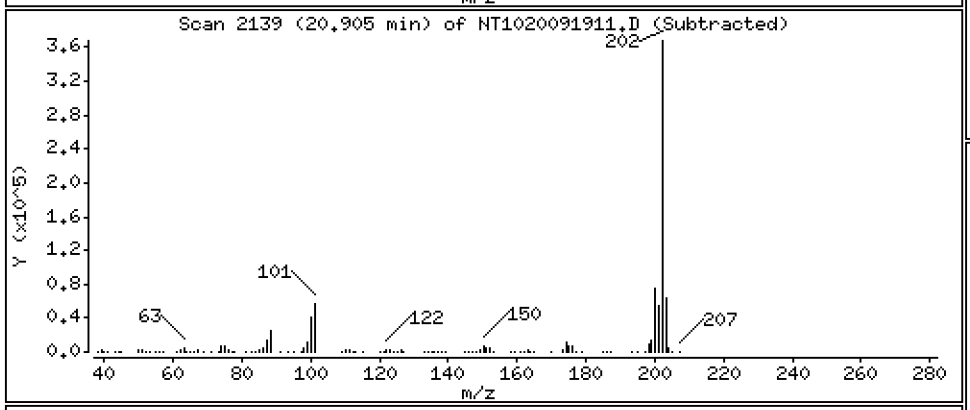
Column phase: ZB-5msi

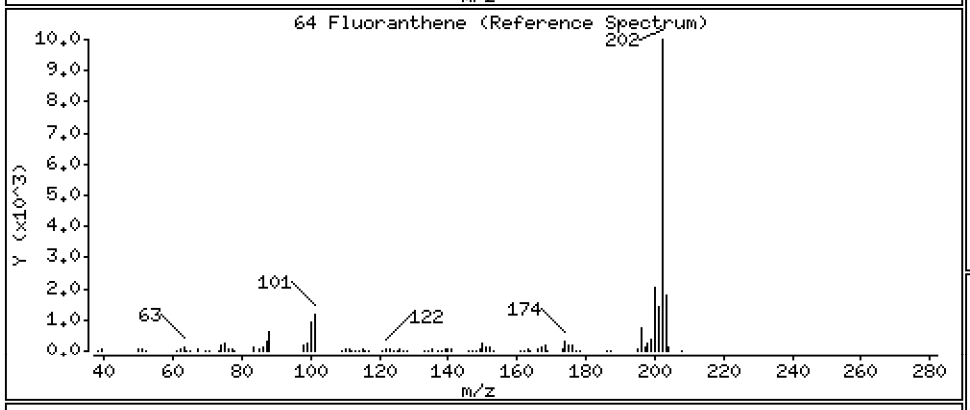
Column diameter: 0.25

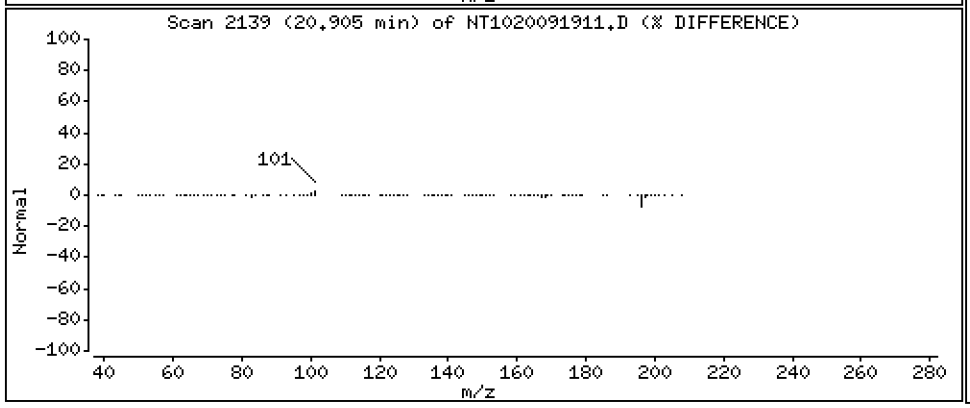
64 Fluoranthene

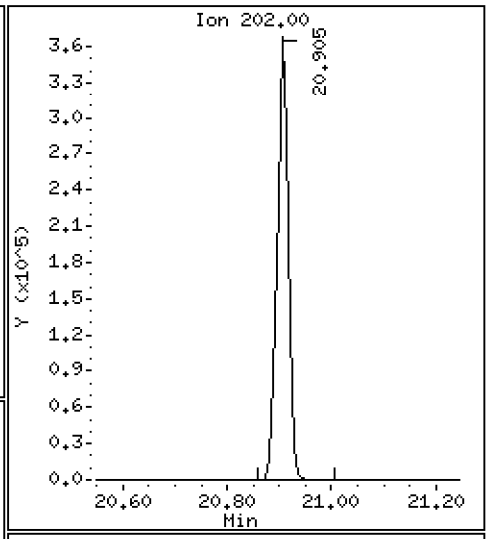
Concentration: 4.530 ug/mL

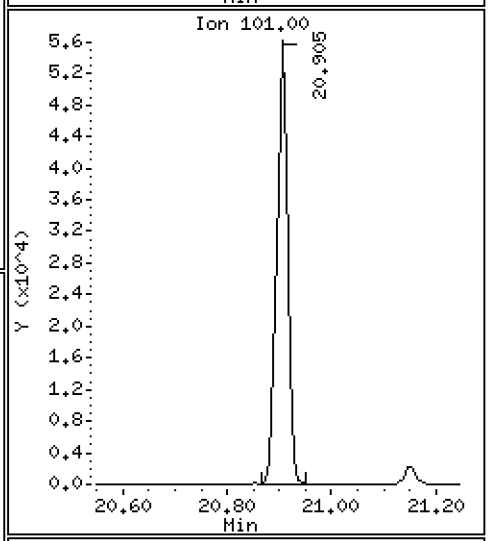


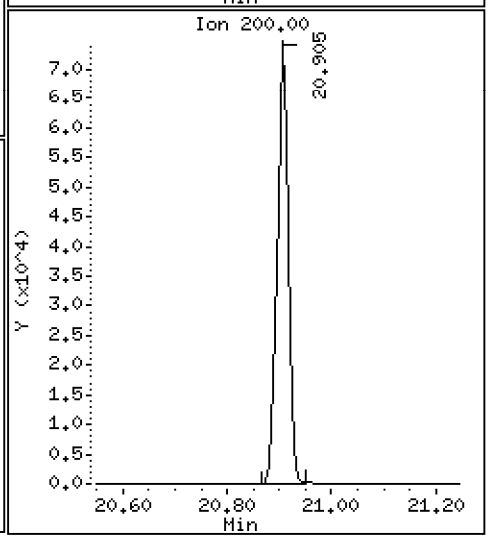












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

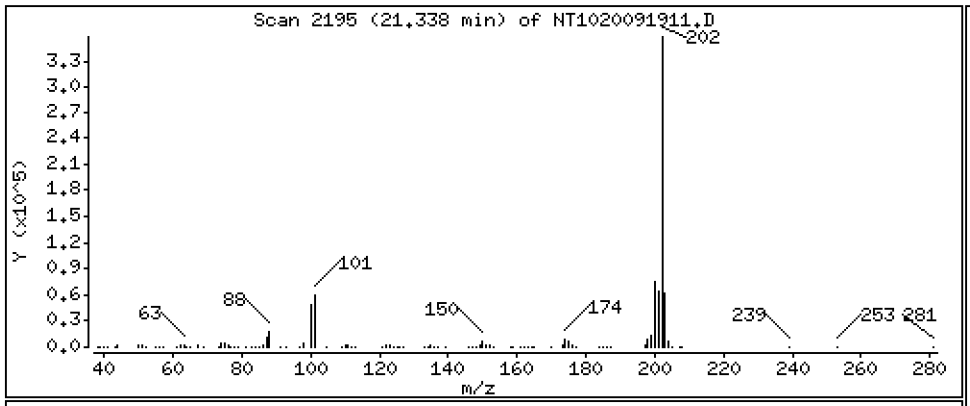
Operator: VTS

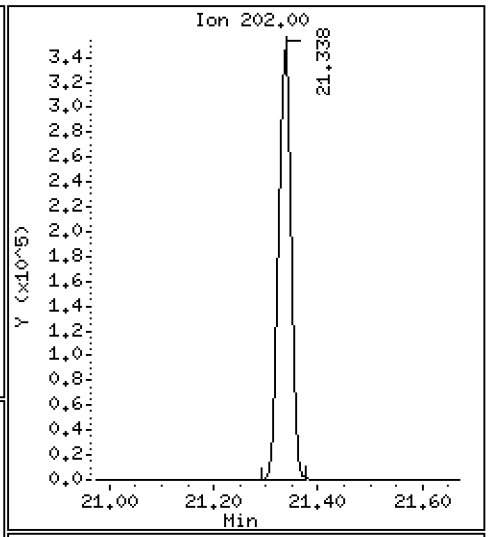
Column phase: ZB-5msi

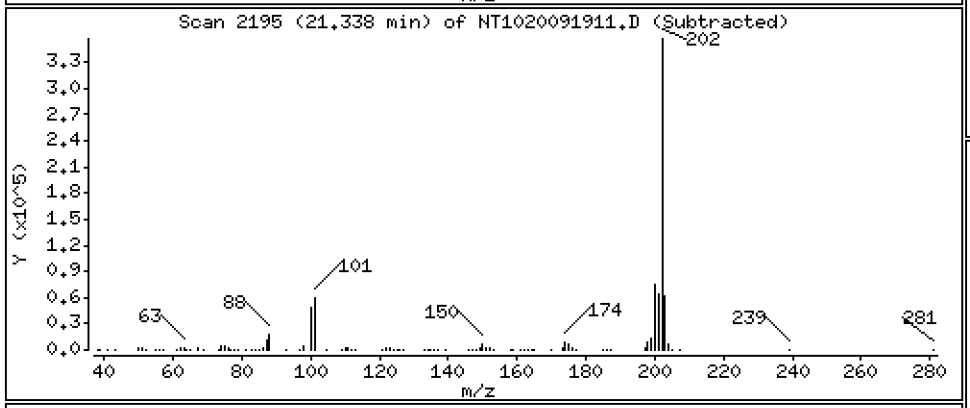
Column diameter: 0.25

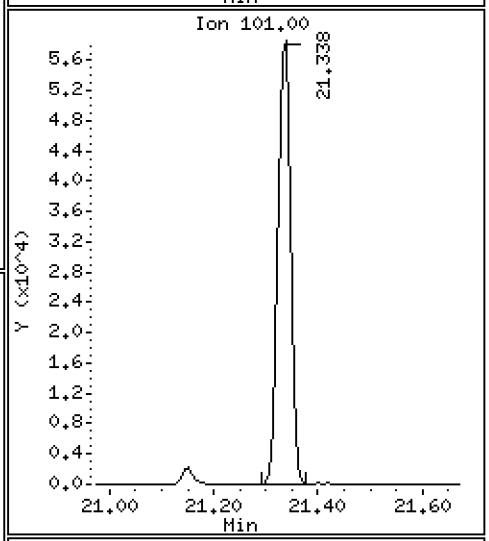
65 Pyrene

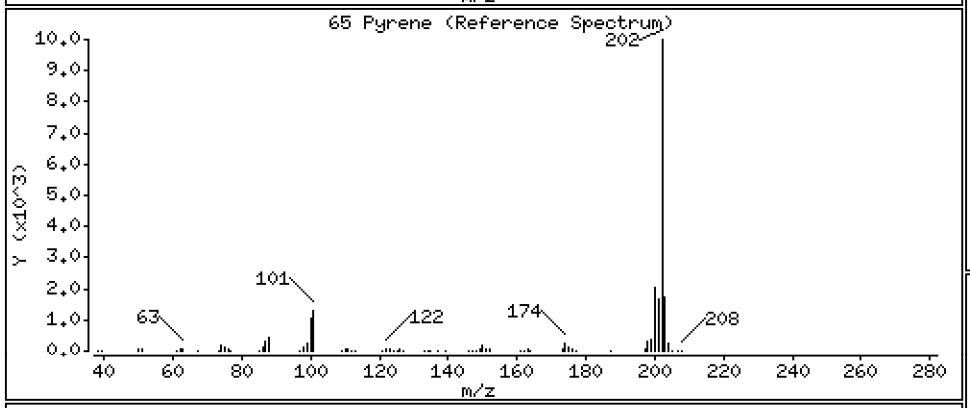
Concentration: 4.716 ug/mL

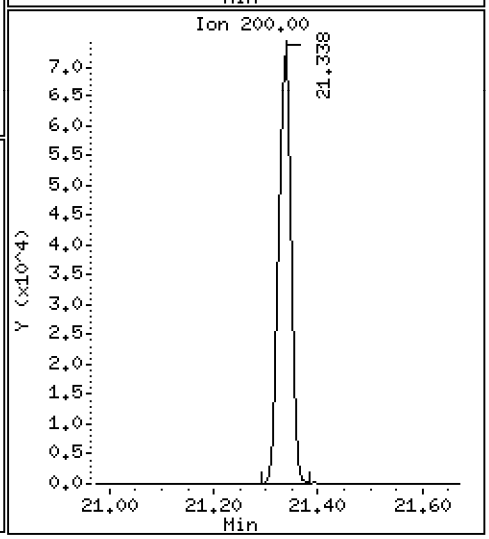


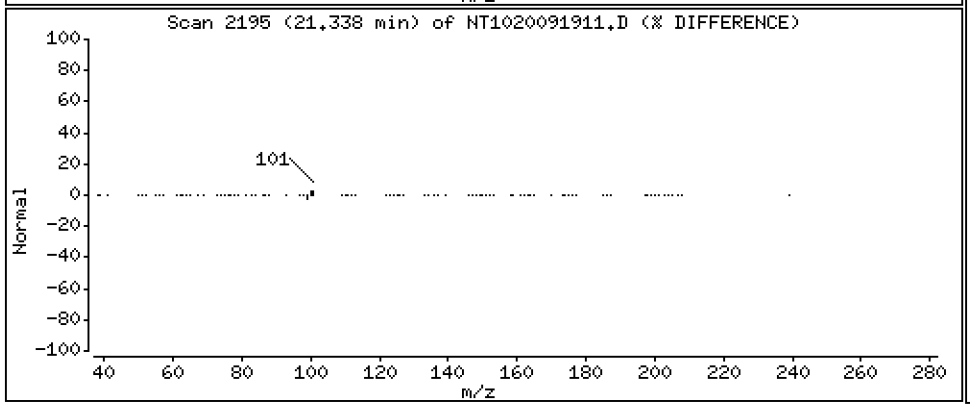












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

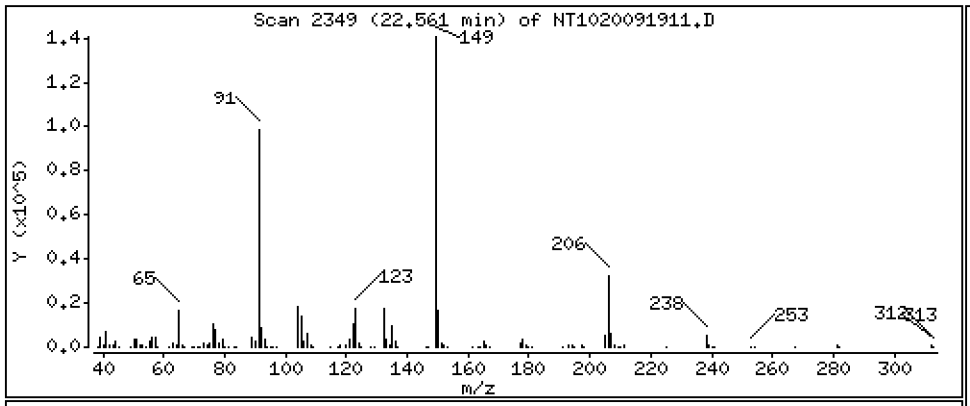
Operator: VTS

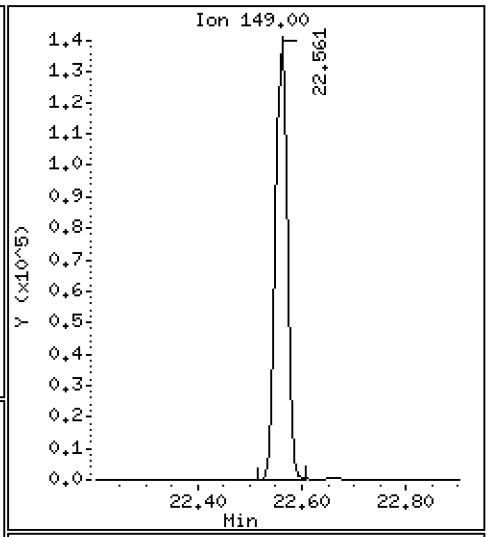
Column phase: ZB-5msi

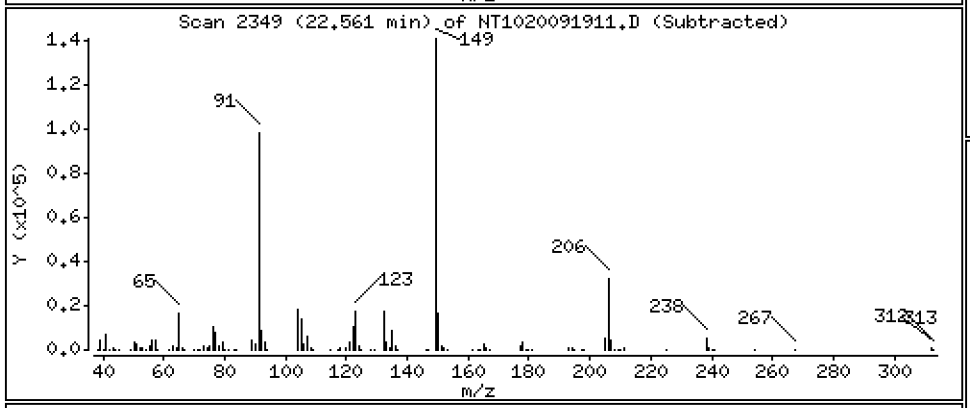
Column diameter: 0.25

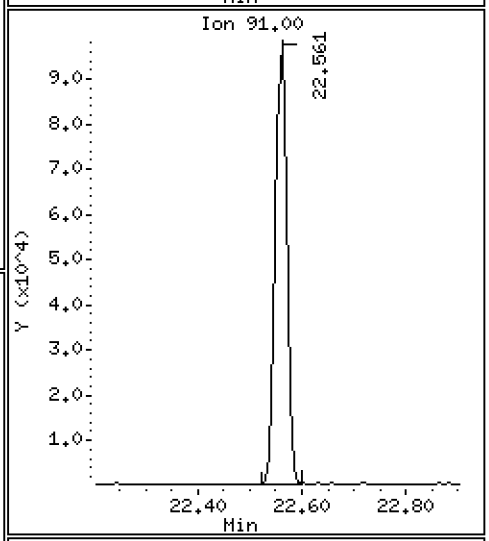
67 Butylbenzylphthalate

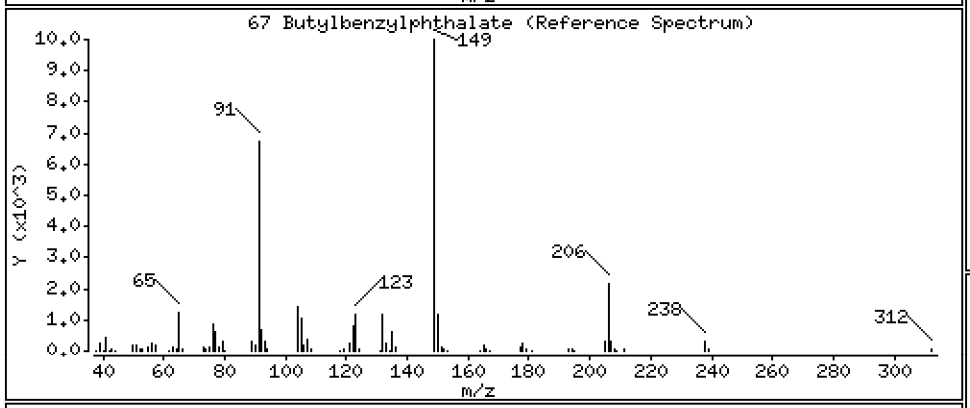
Concentration: 4.812 ug/mL

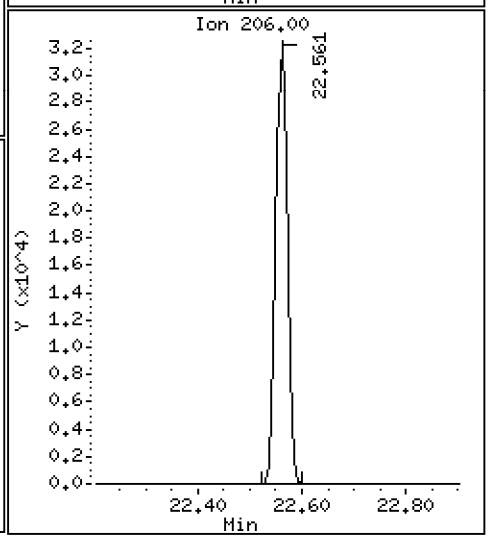


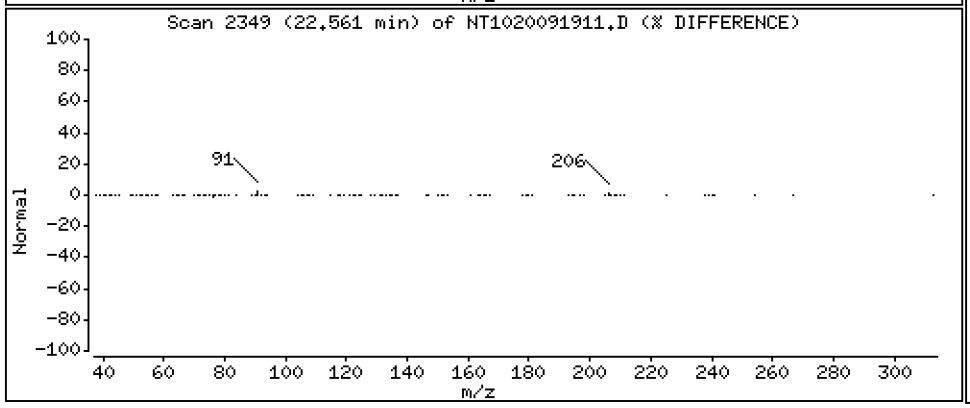












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

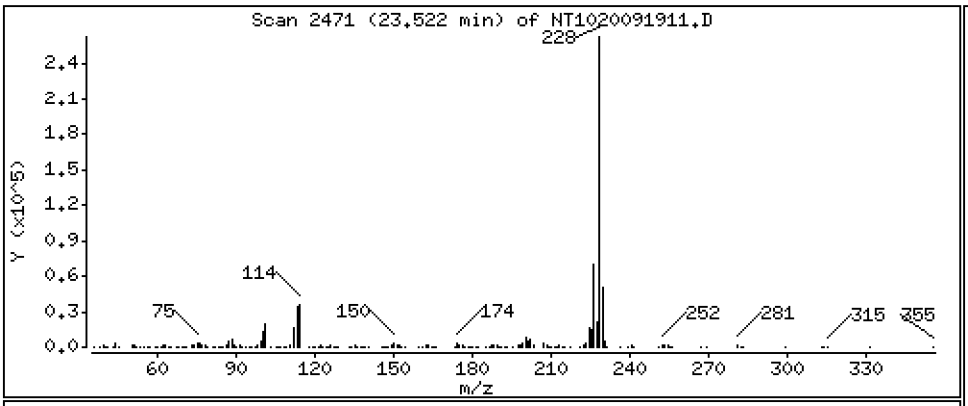
Operator: VTS

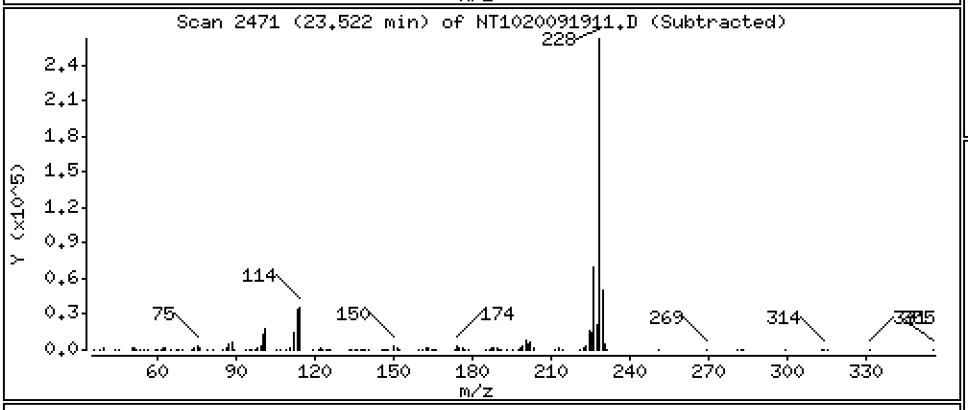
Column phase: ZB-5msi

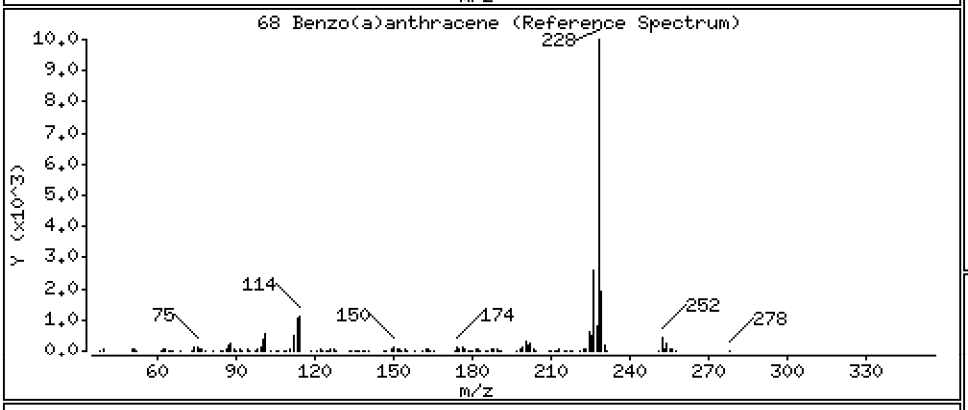
Column diameter: 0.25

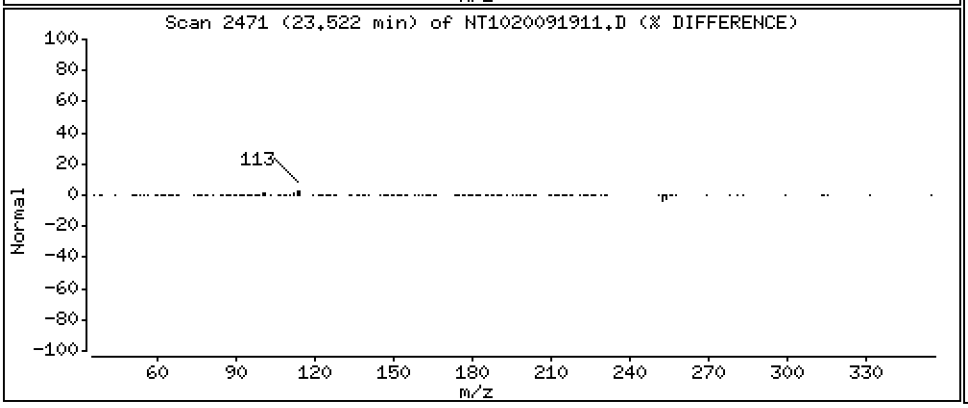
68 Benzo(a)anthracene

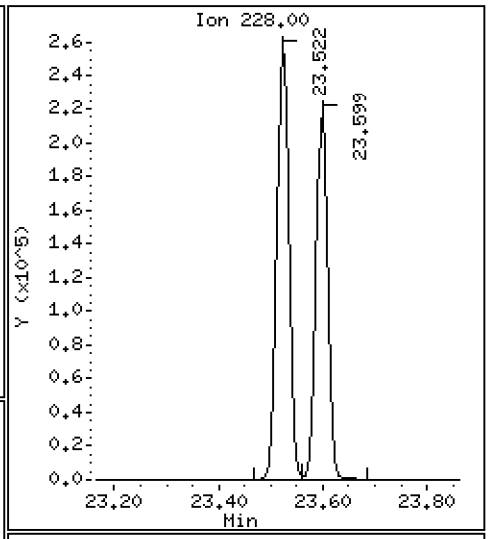
Concentration: 4.727 ug/mL

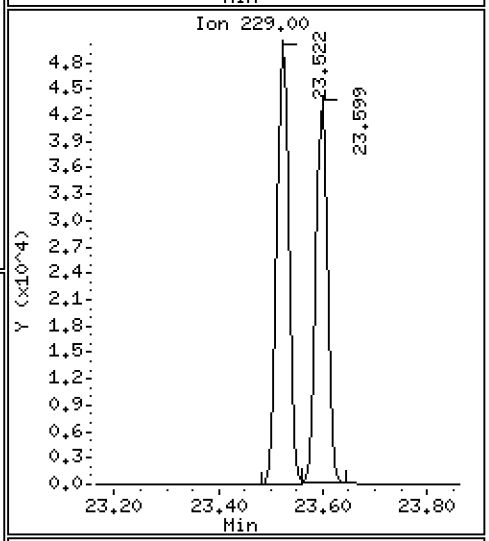


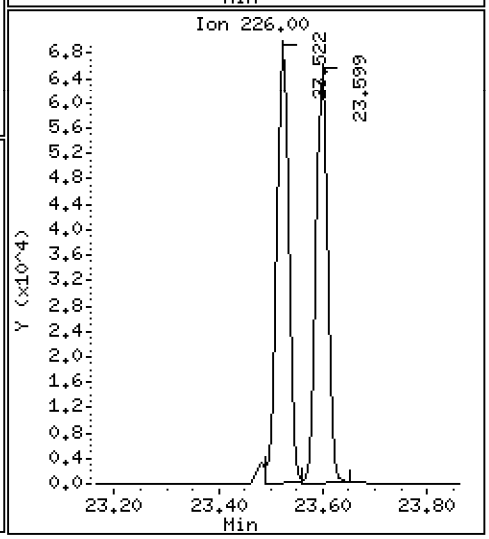












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

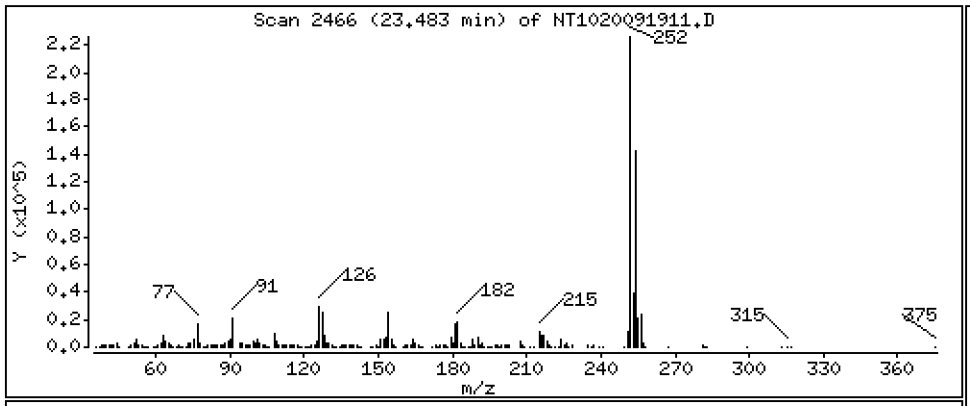
Operator: VTS

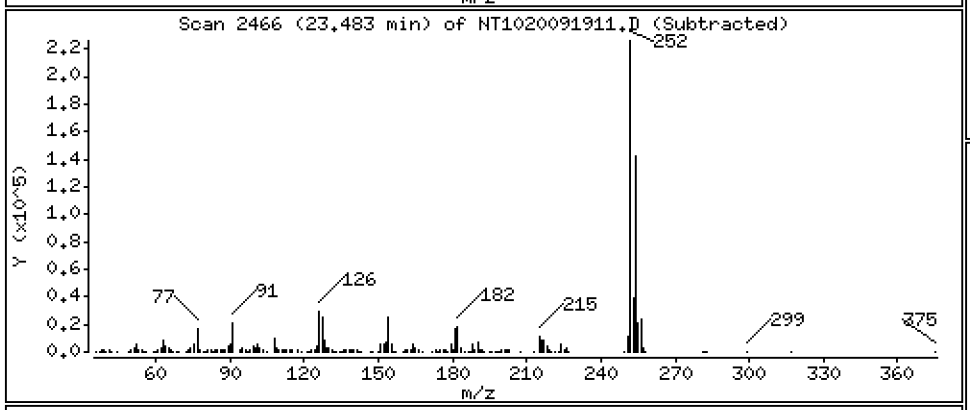
Column phase: ZB-5msi

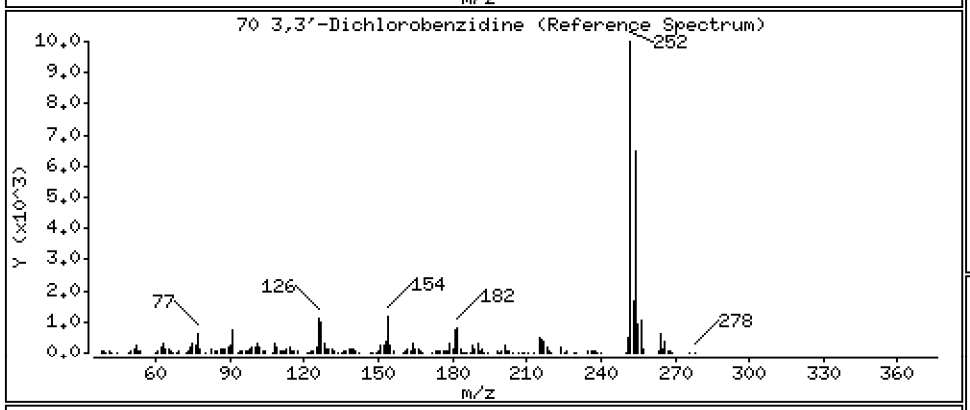
Column diameter: 0.25

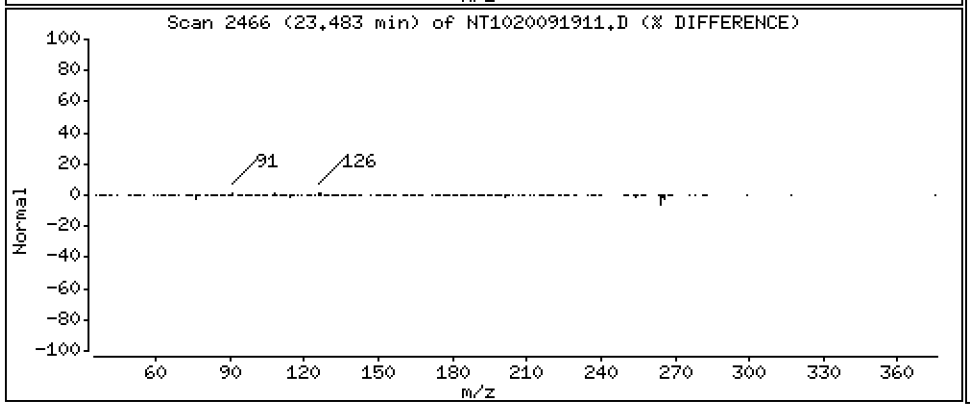
70 3,3'-Dichlorobenzidine

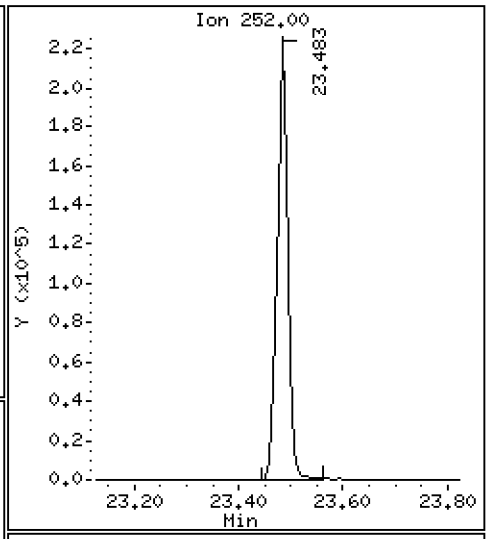
Concentration: 10.10 ug/mL

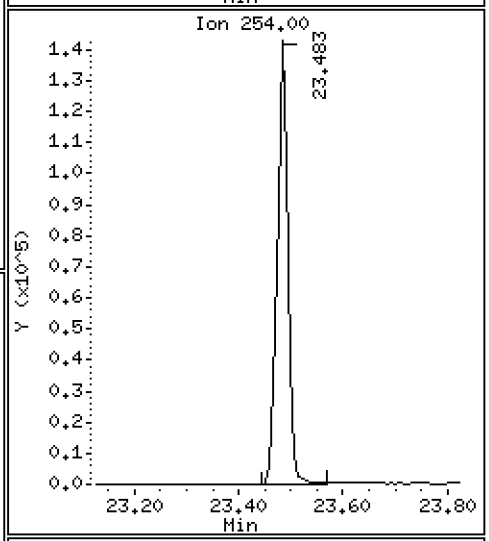


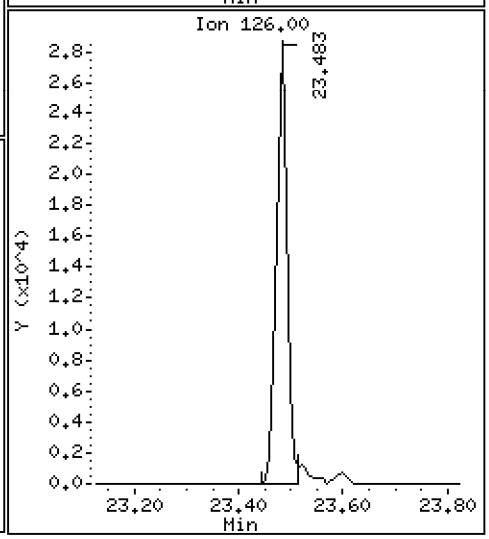












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

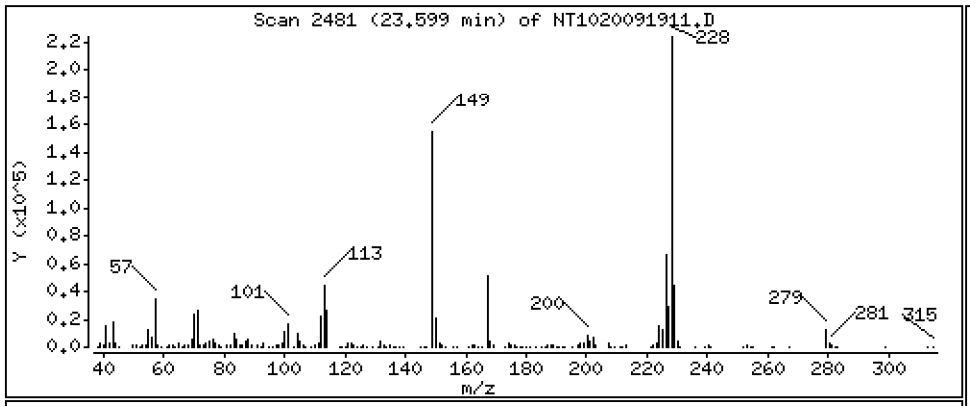
Operator: VTS

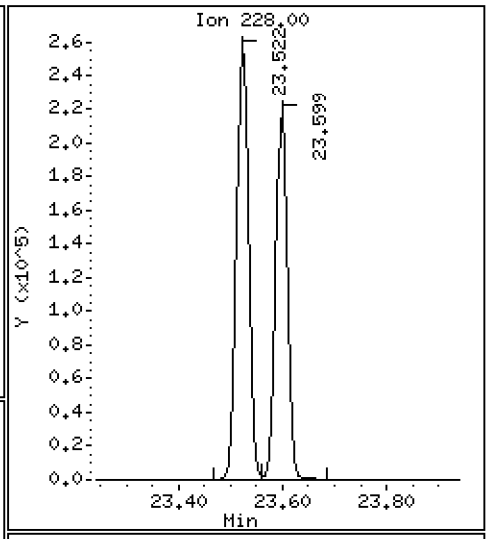
Column phase: ZB-5msi

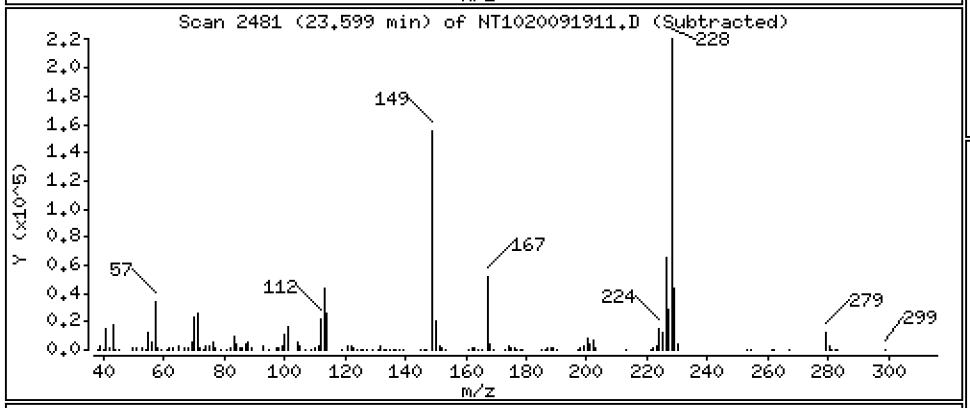
Column diameter: 0.25

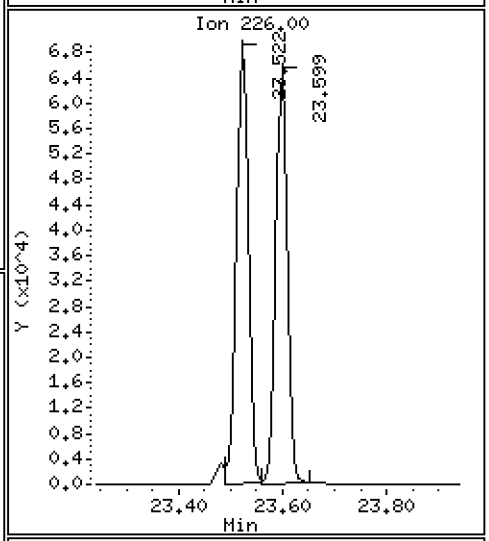
71 Chrysene

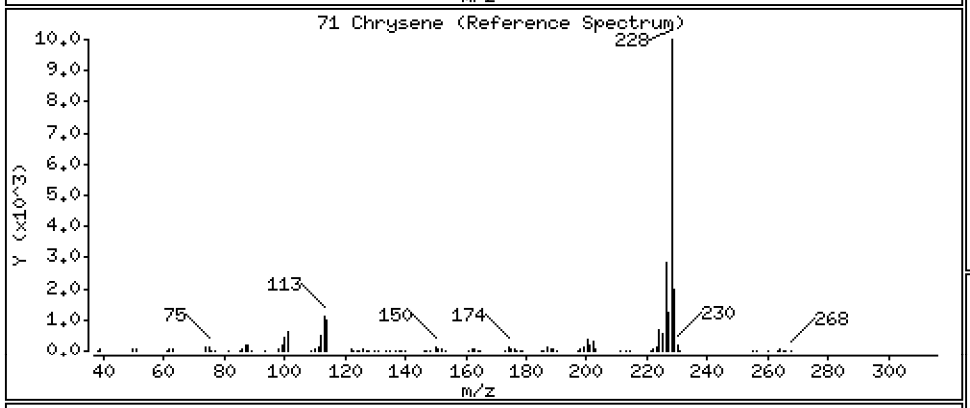
Concentration: 4.791 ug/mL

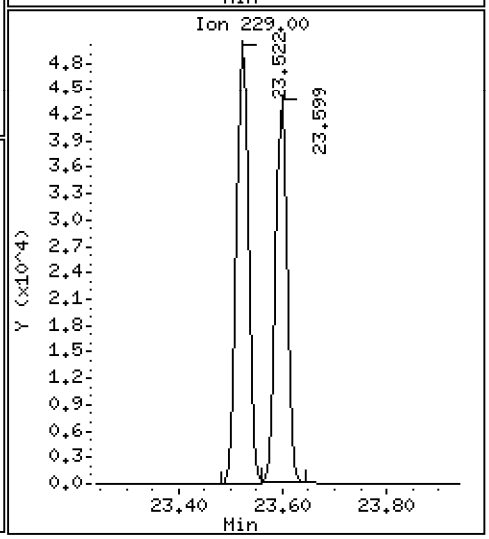


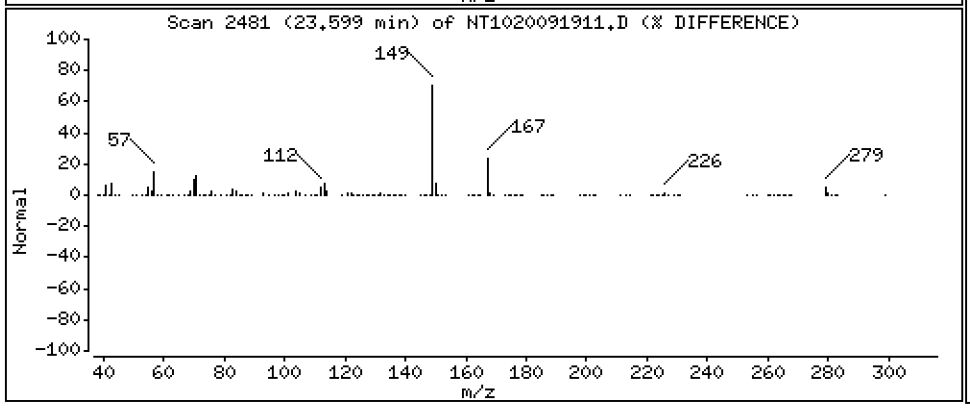












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

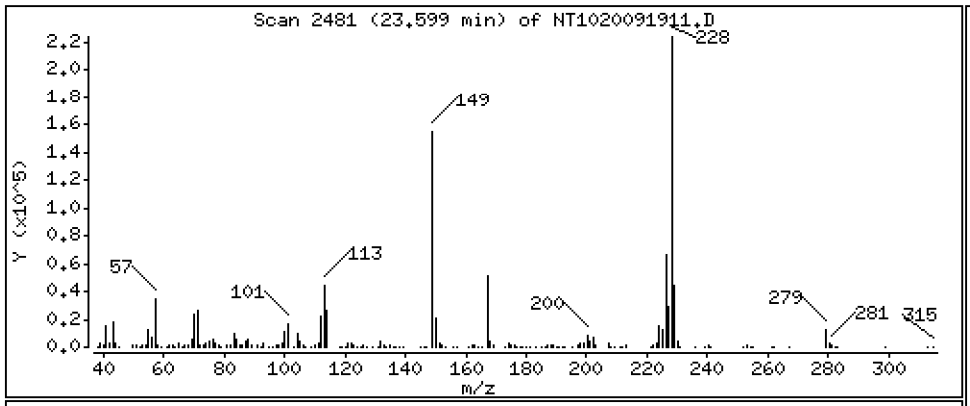
Operator: VTS

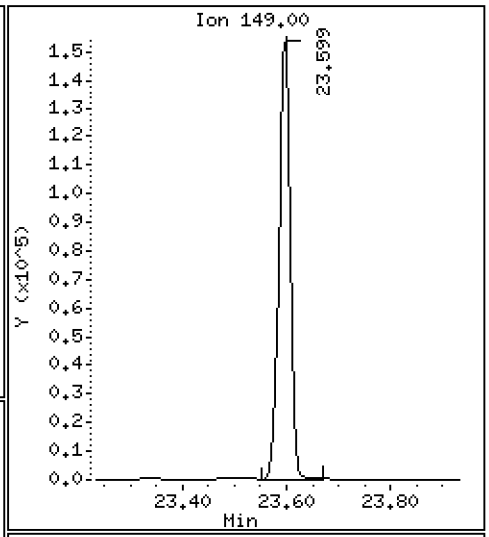
Column phase: ZB-5msi

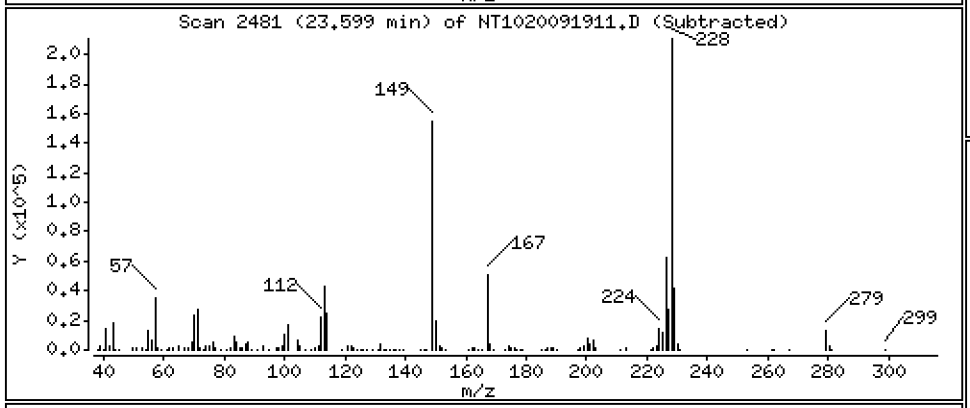
Column diameter: 0.25

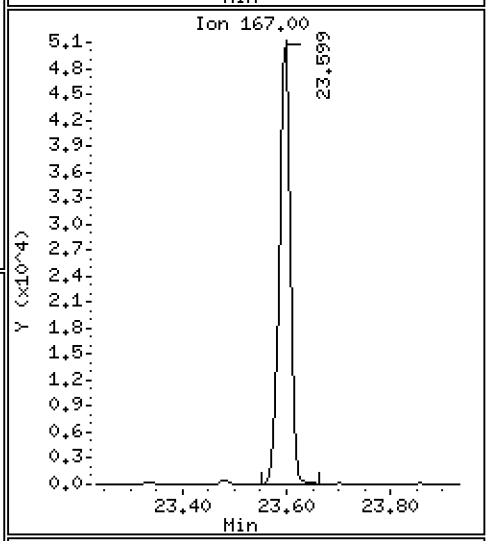
72 bis(2-Ethylhexyl)phthalate

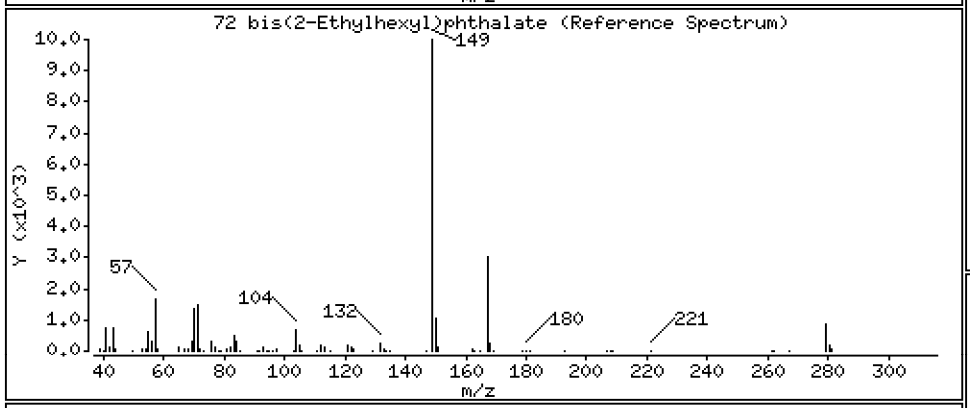
Concentration: 4.731 ug/mL

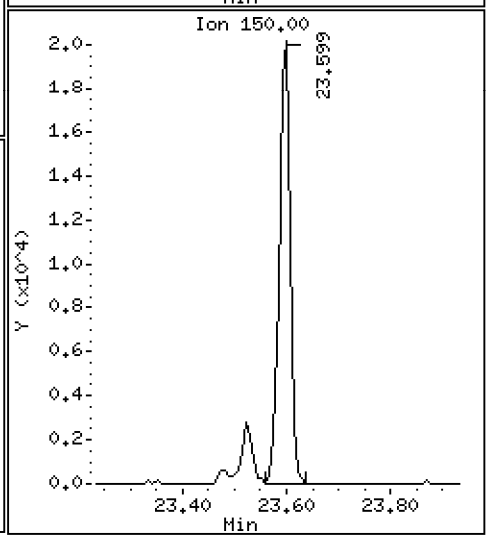


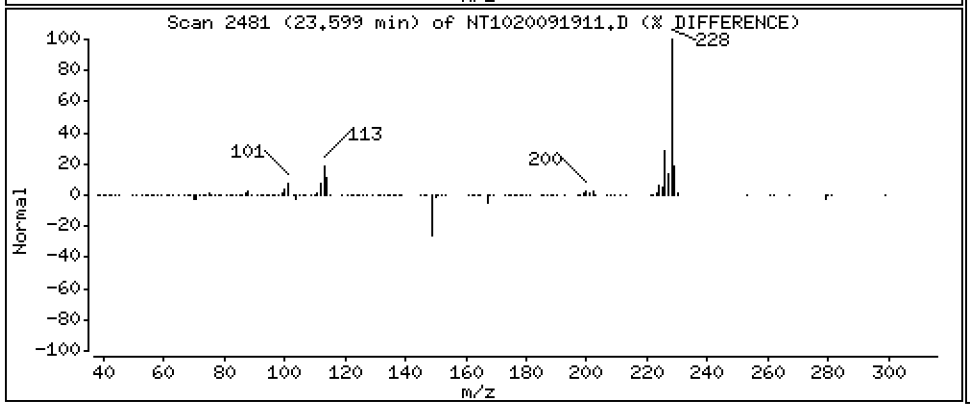












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

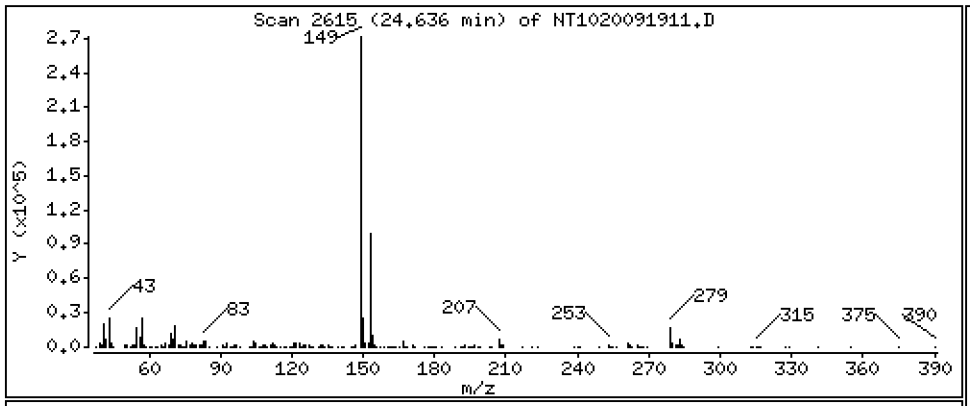
Client ID: Instrument: nt10.i

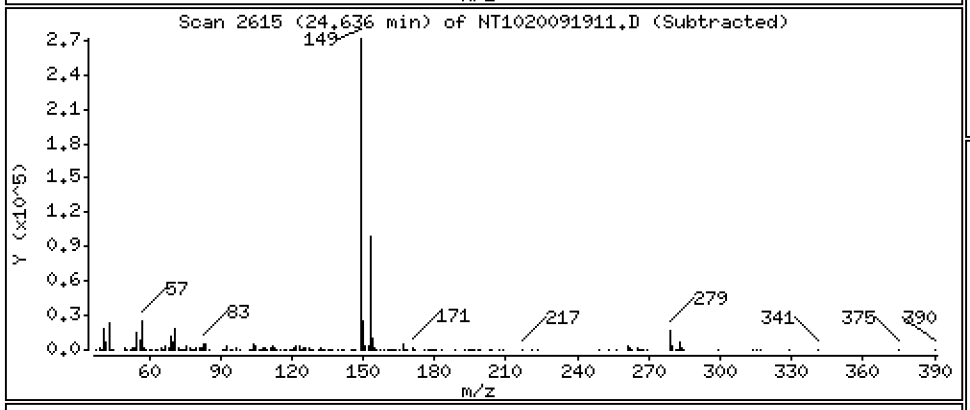
Sample Info: SII0276-SCV1

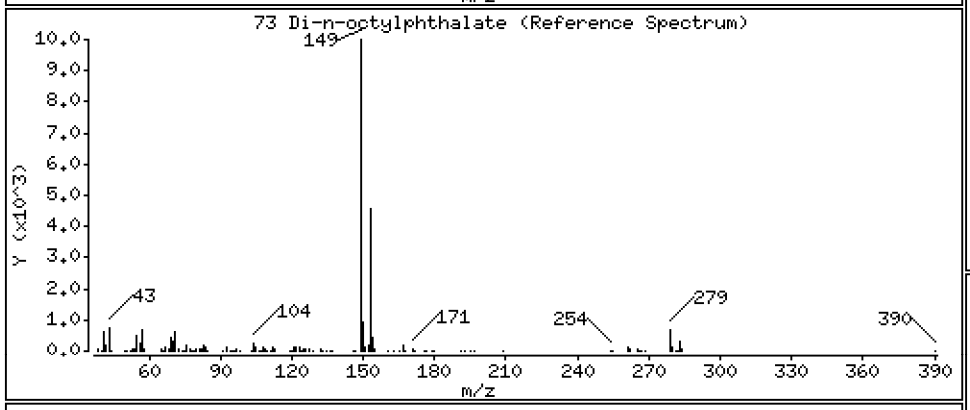
Operator: VTS

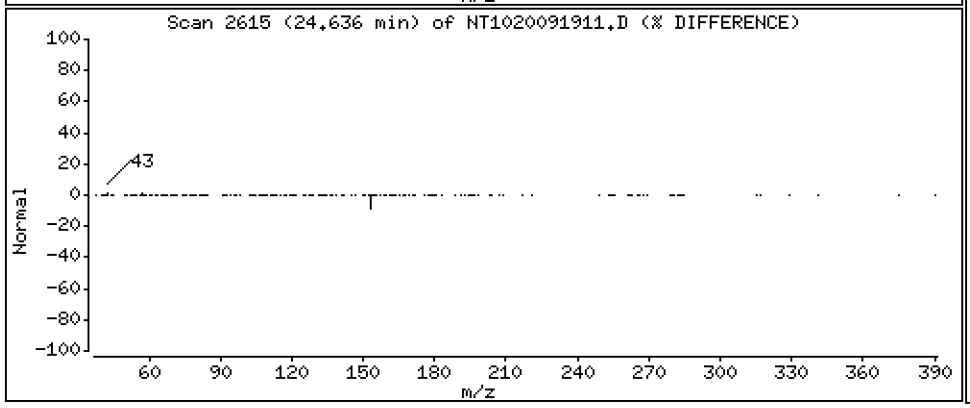
Column phase: ZB-5msi Column diameter: 0.25

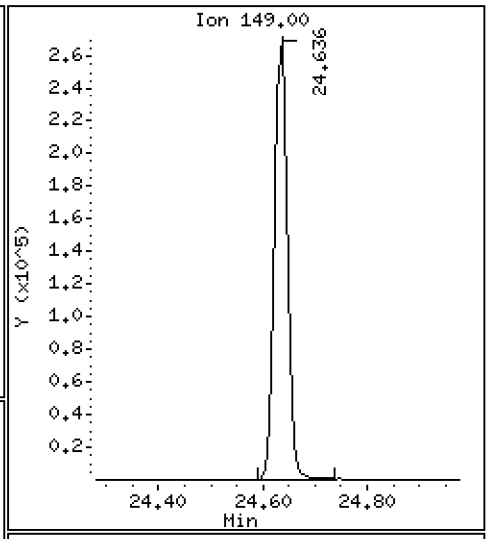
73 Di-n-octylphthalate Concentration: 4.854 ug/mL

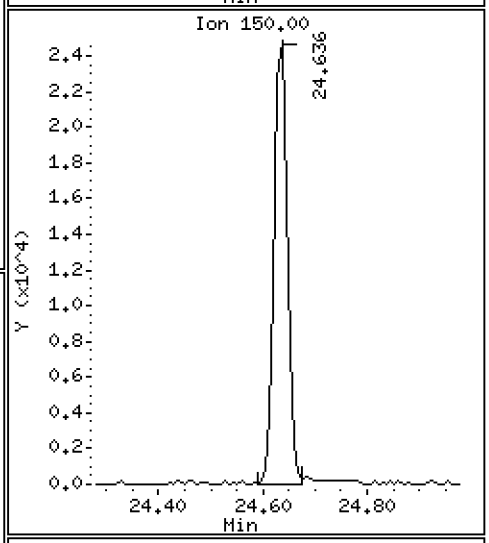


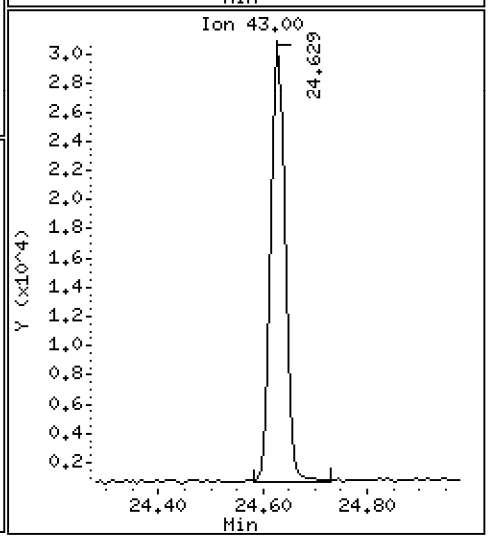












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

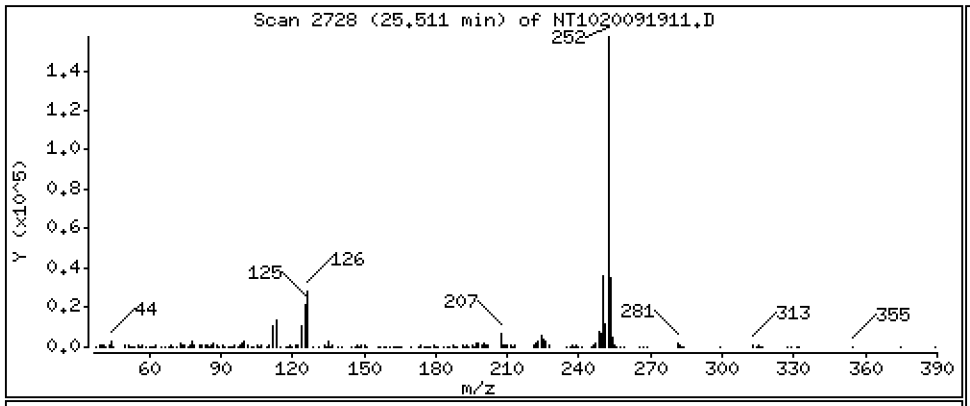
Operator: VTS

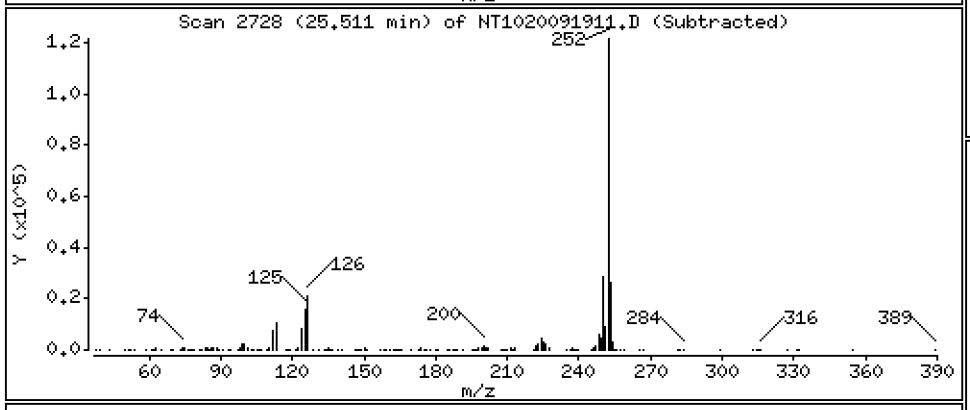
Column phase: ZB-5msi

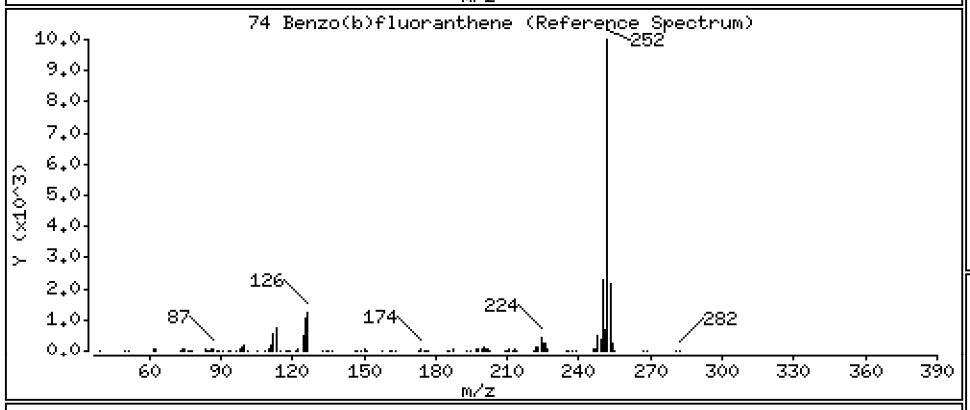
Column diameter: 0.25

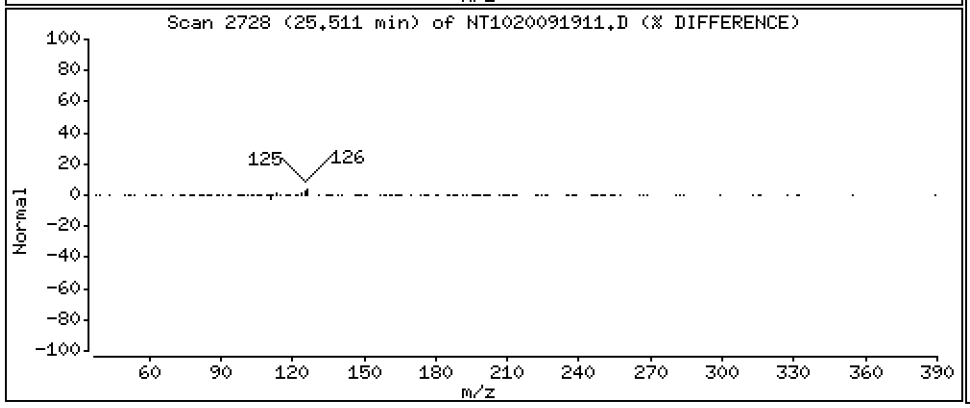
74 Benzo(b)fluoranthene

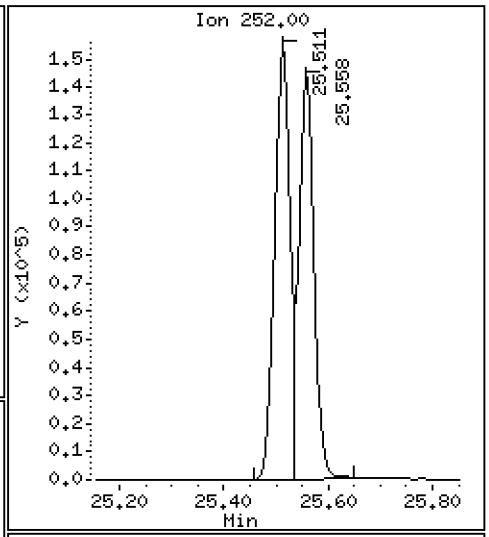
Concentration: 5.066 ug/mL

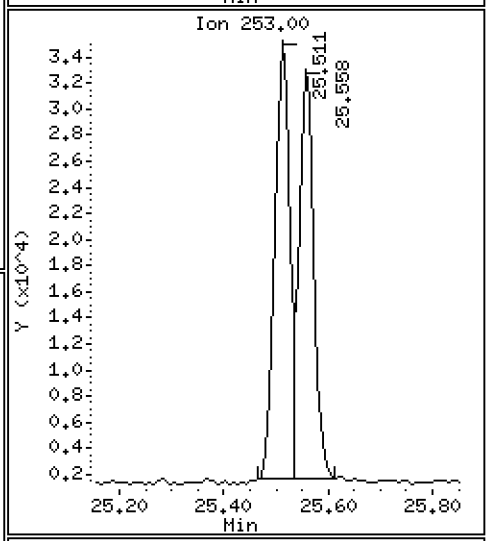


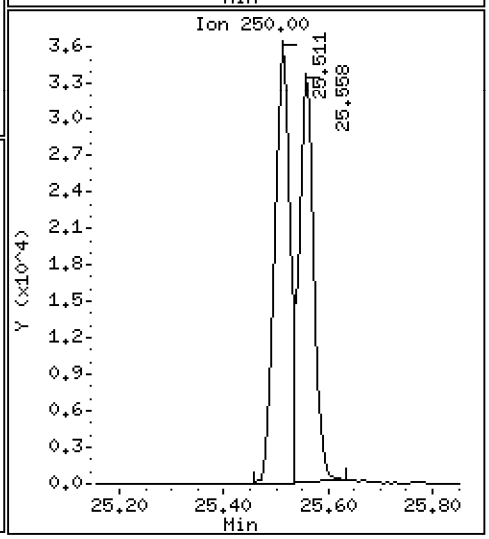












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

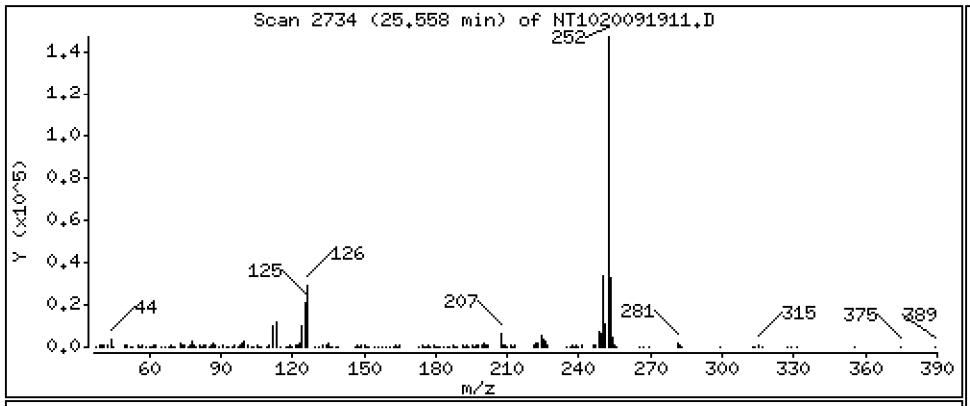
Operator: VTS

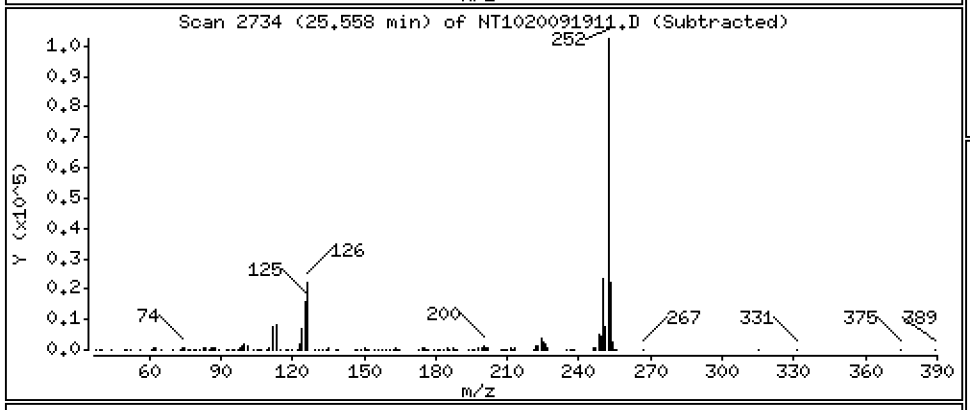
Column phase: ZB-5msi

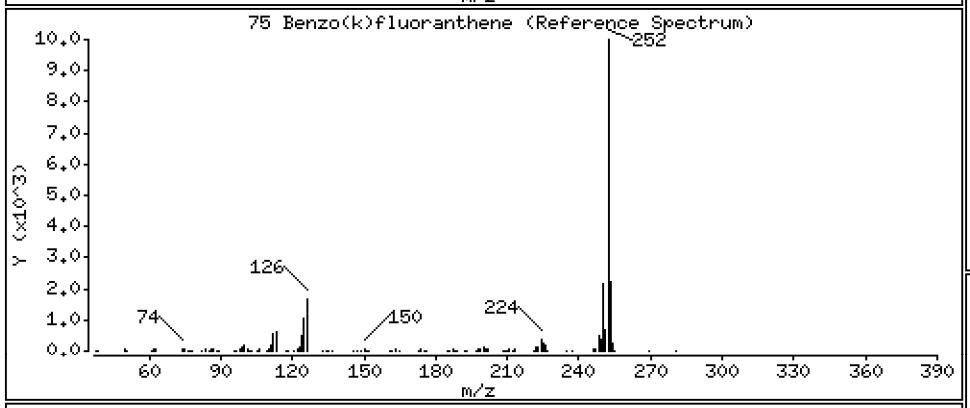
Column diameter: 0.25

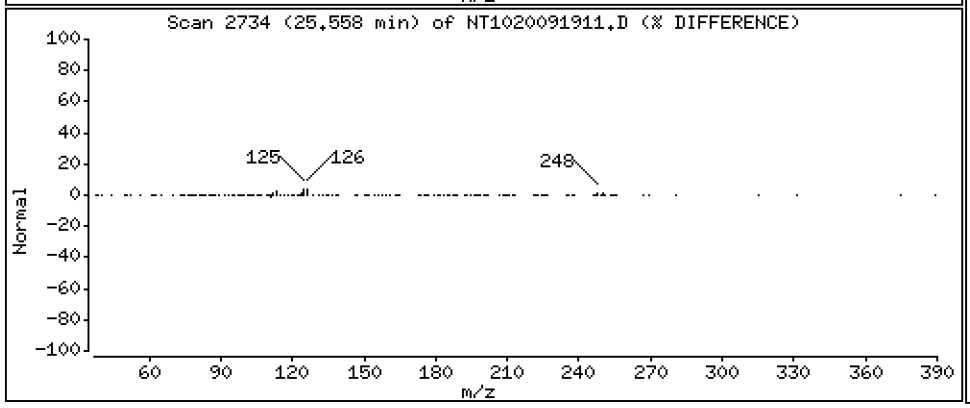
75 Benzo(k)fluoranthene

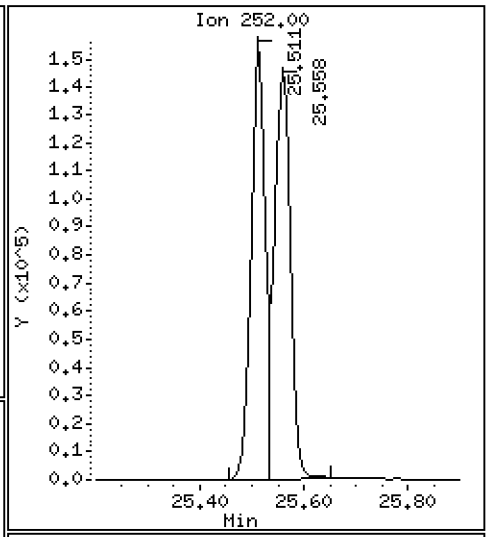
Concentration: 5.078 ug/mL

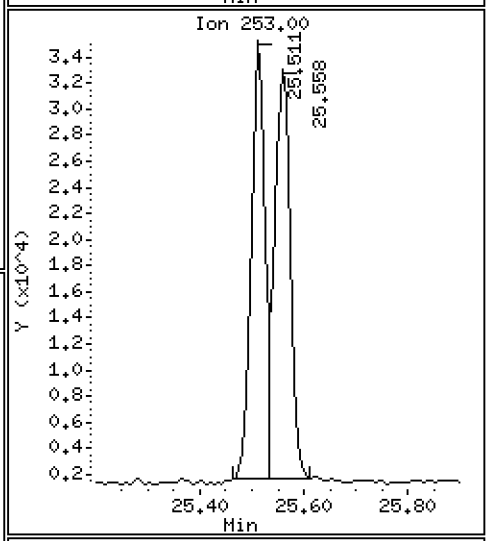


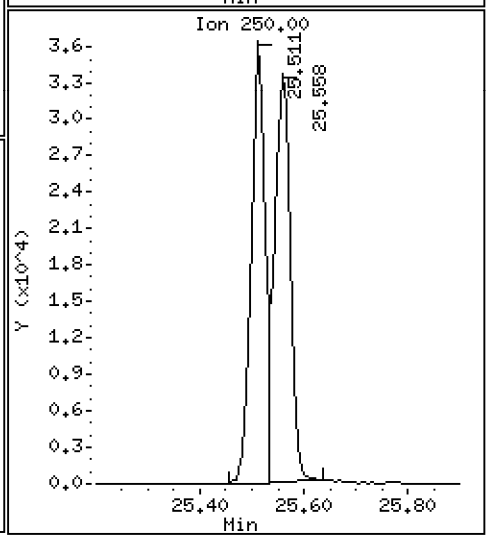












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

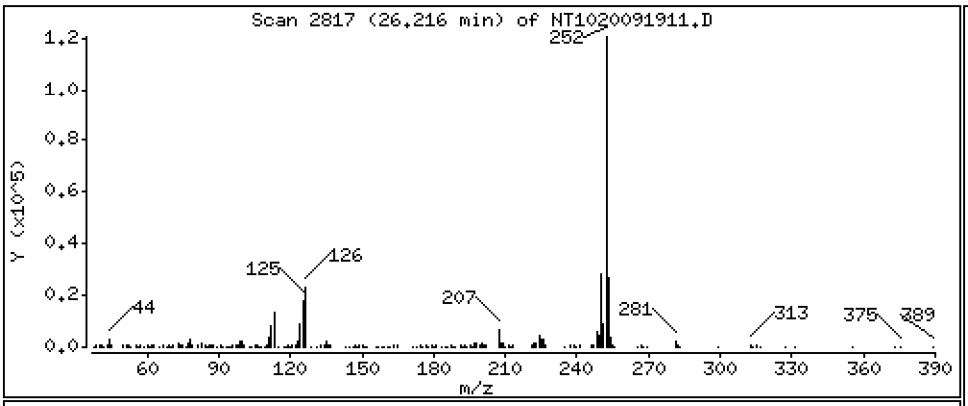
Operator: VTS

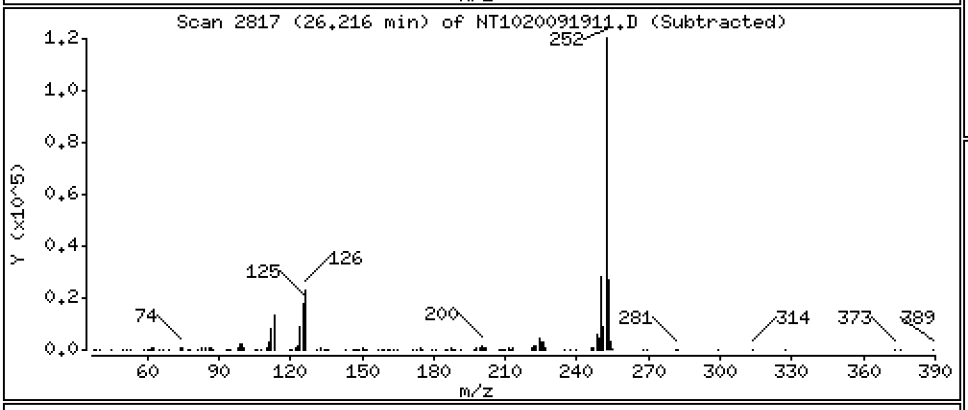
Column phase: ZB-5msi

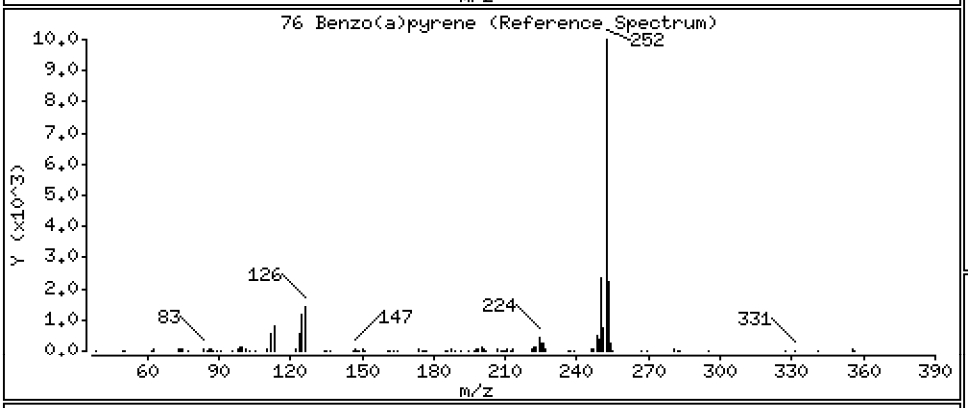
Column diameter: 0.25

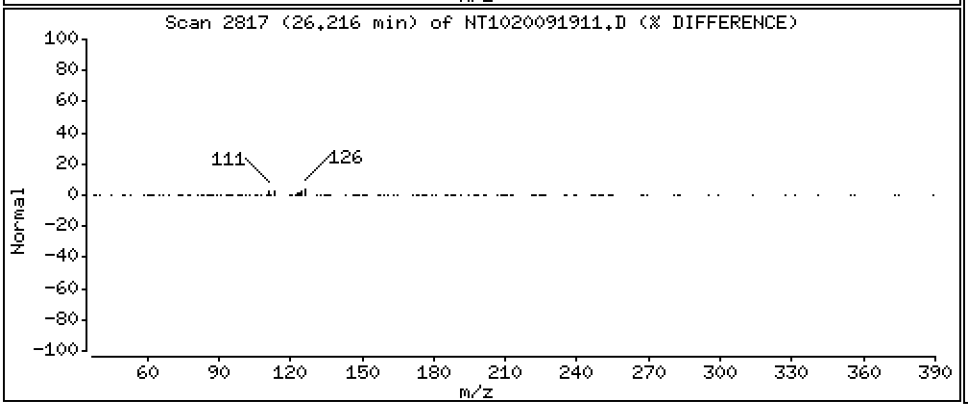
76 Benzo(a)pyrene

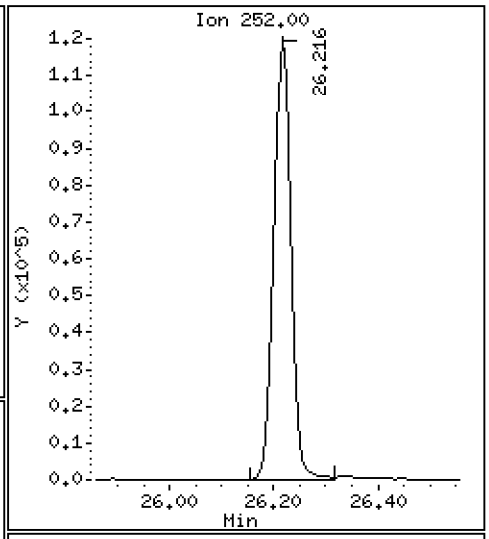
Concentration: 5.247 ug/mL

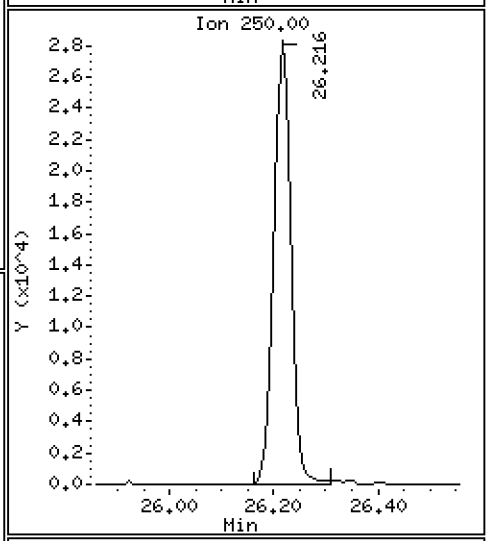


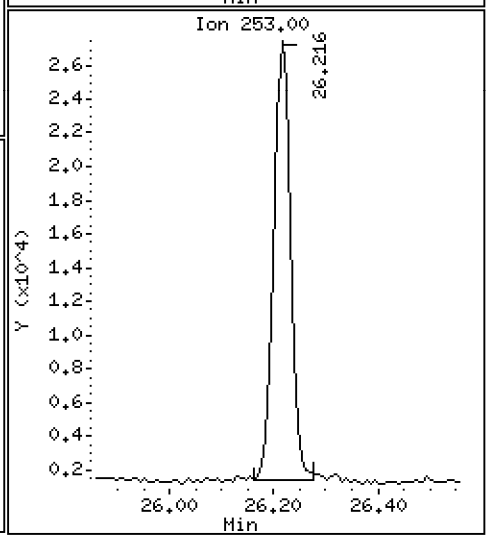












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

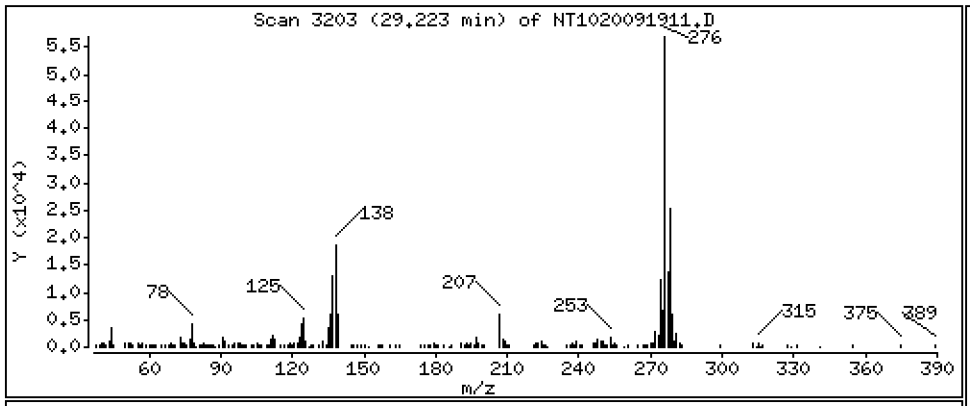
Operator: VTS

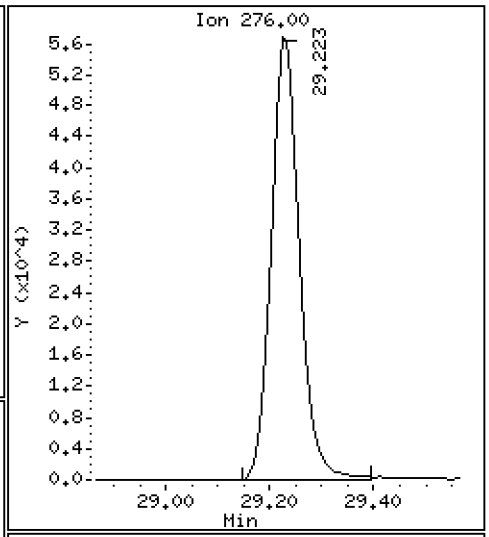
Column phase: ZB-5msi

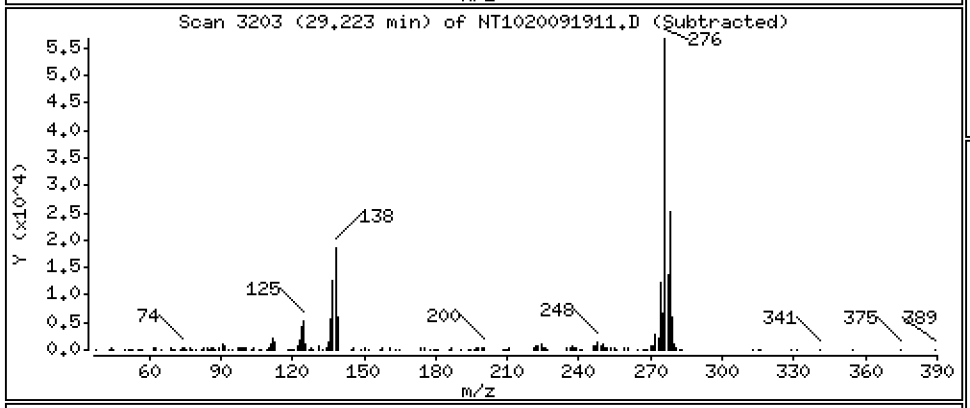
Column diameter: 0.25

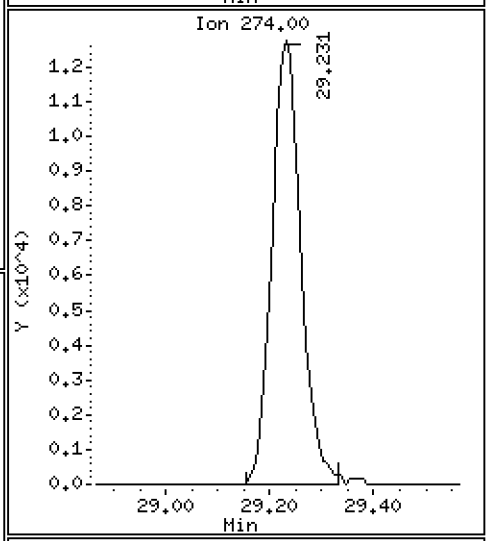
78 Indeno(1,2,3-cd)pyrene

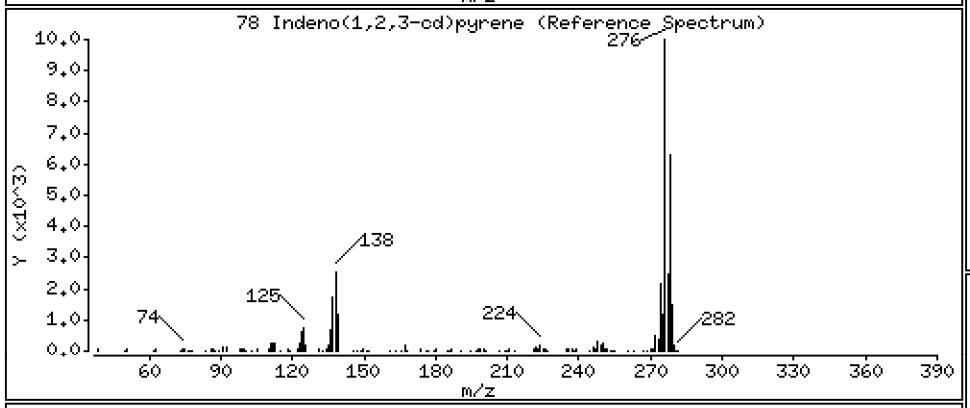
Concentration: 5.052 ug/mL

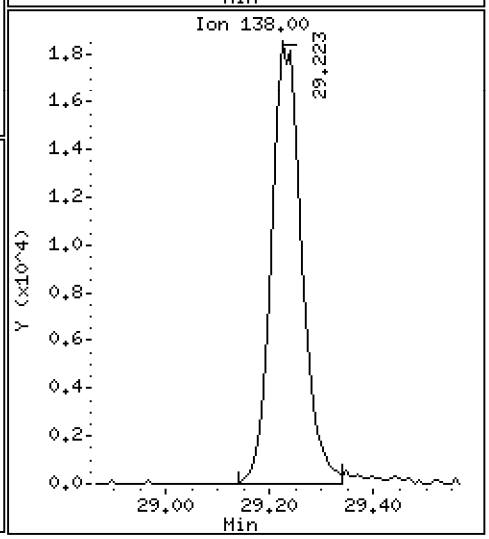


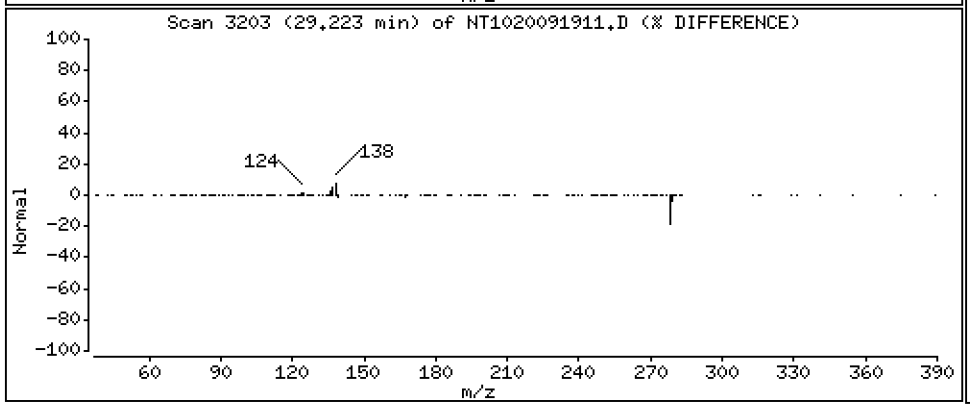












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

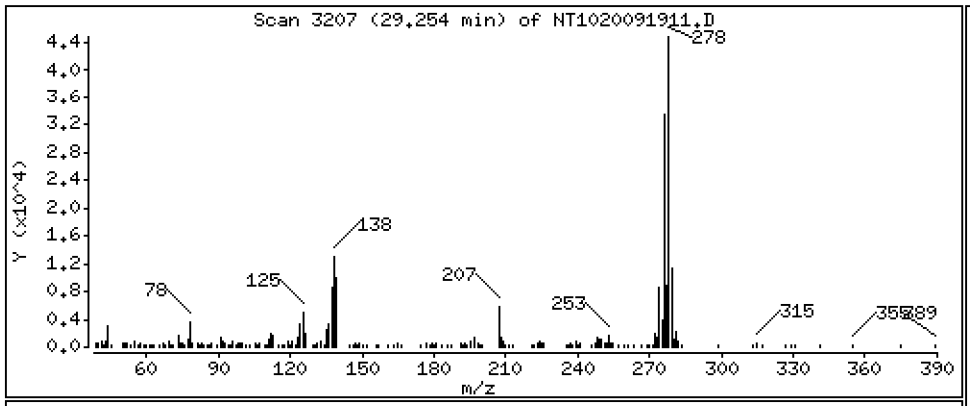
Operator: VTS

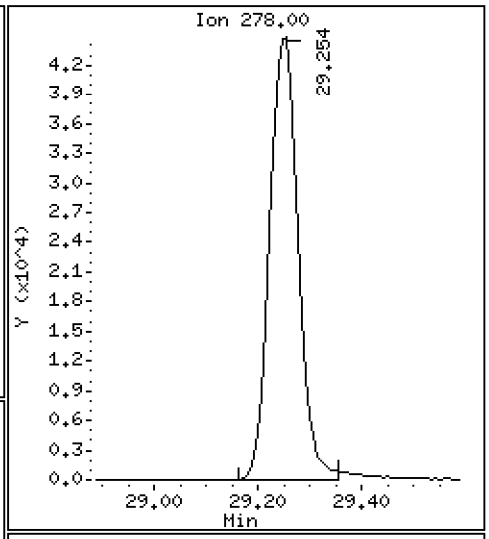
Column phase: ZB-5msi

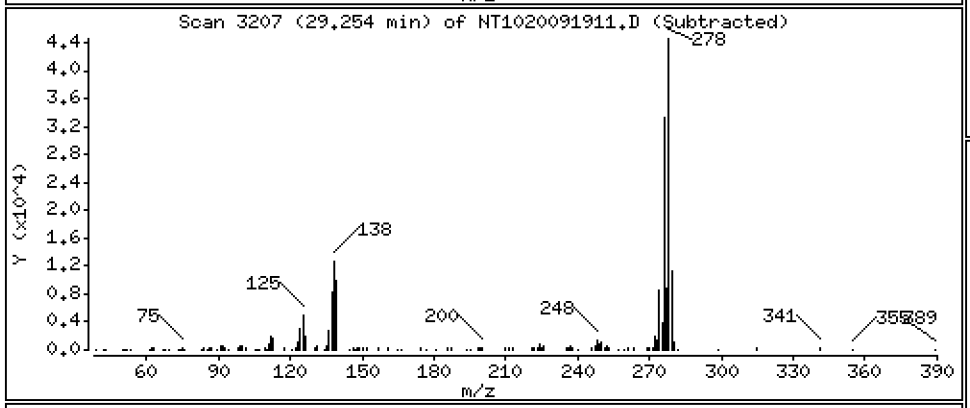
Column diameter: 0.25

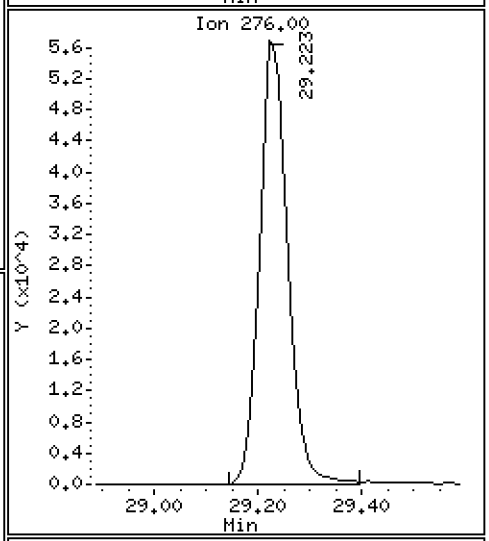
79 Dibenzo(a,h)anthracene

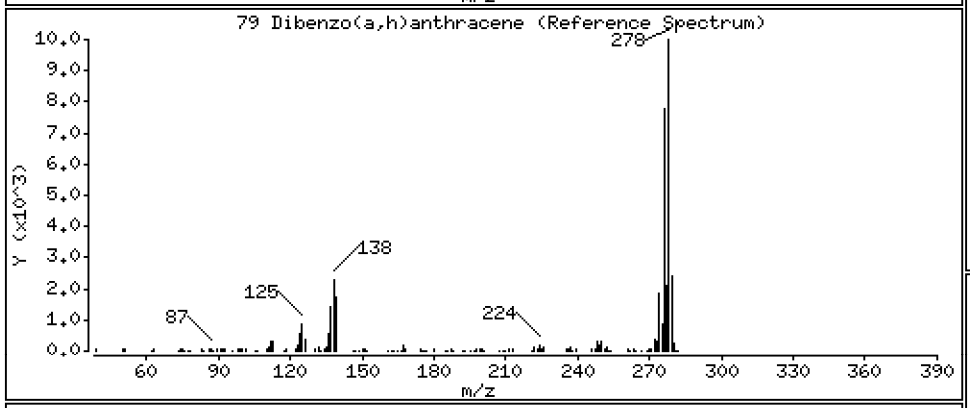
Concentration: 4.995 ug/mL

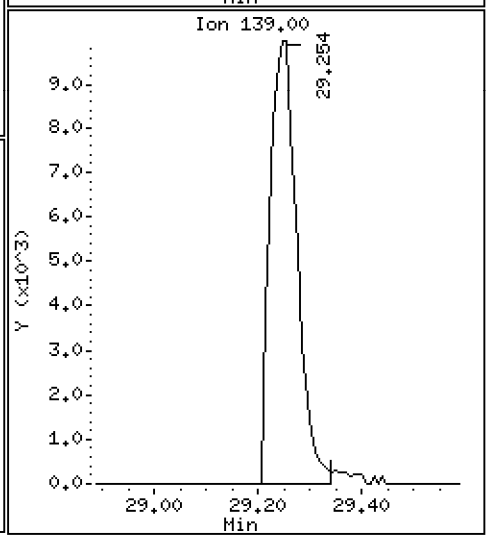


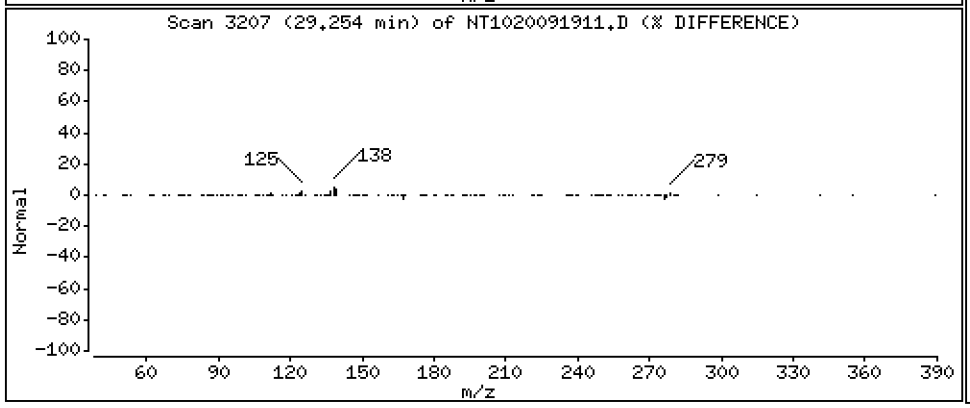












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

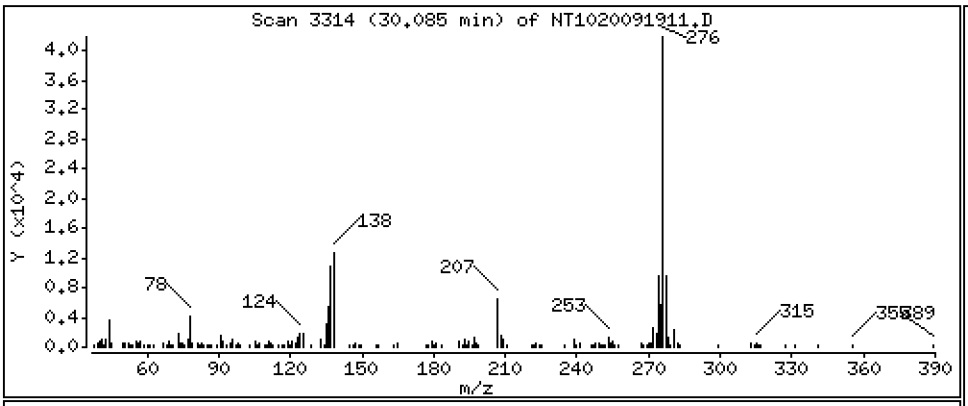
Operator: VTS

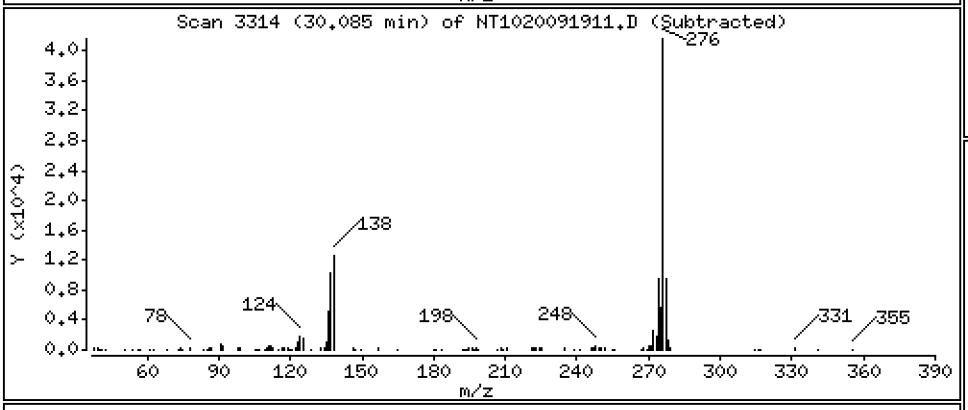
Column phase: ZB-5msi

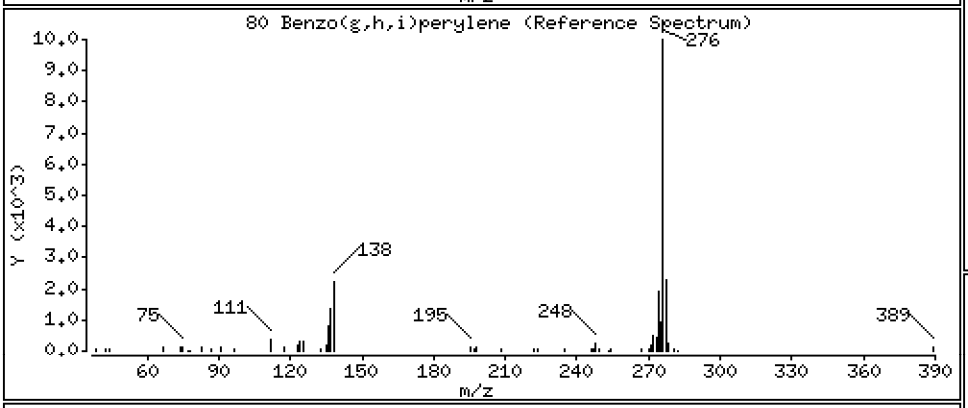
Column diameter: 0.25

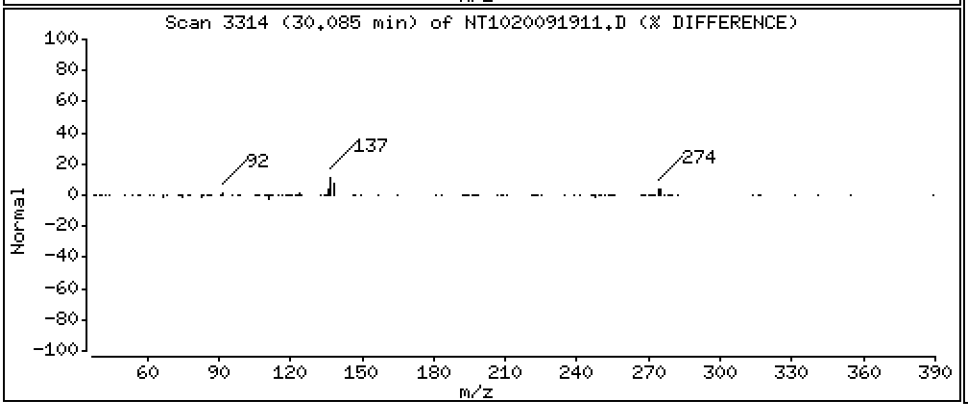
80 Benzo(g,h,i)perylene

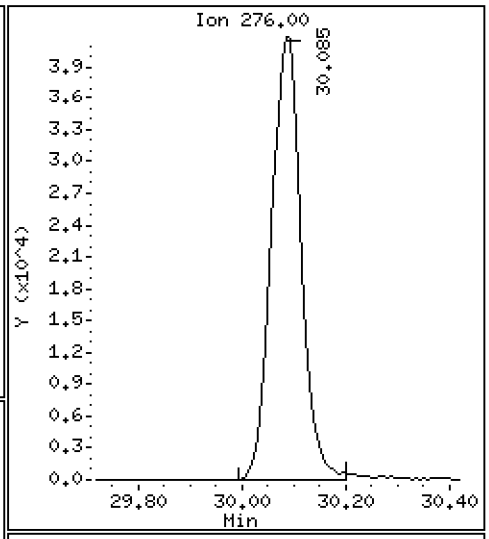
Concentration: 4.848 ug/mL

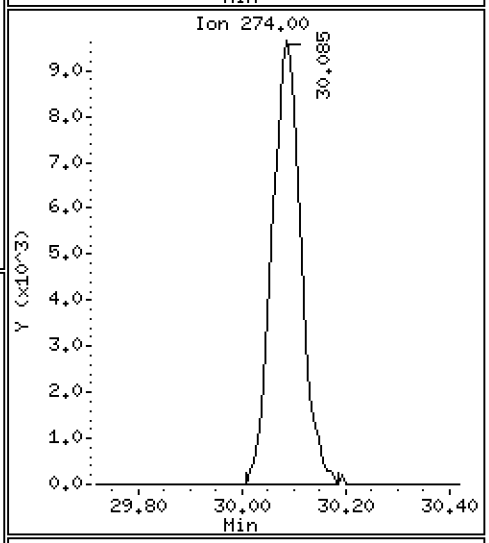


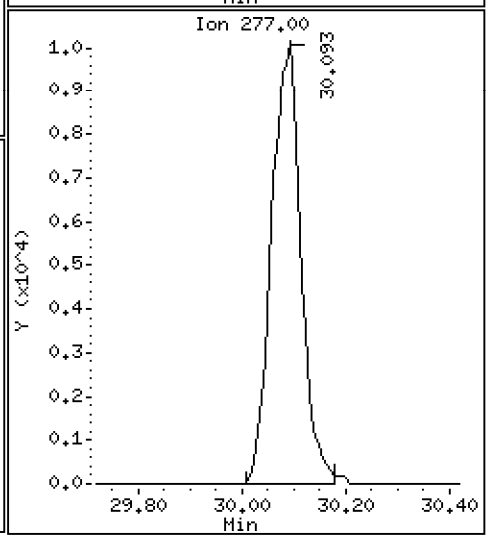












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

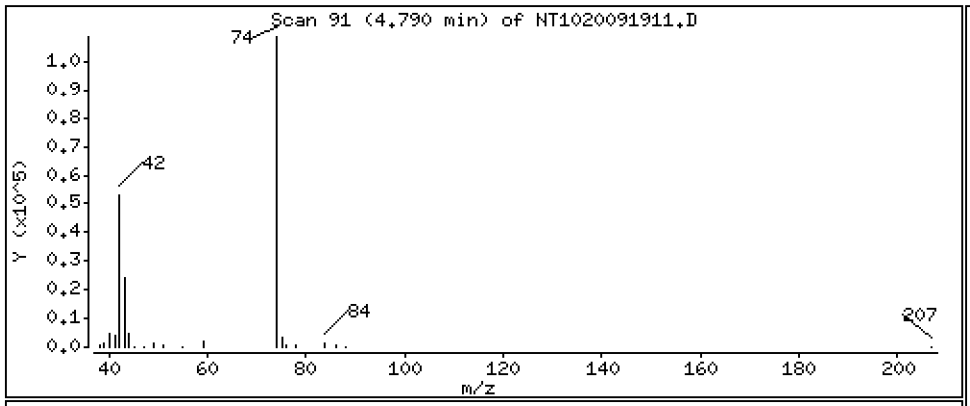
Operator: VTS

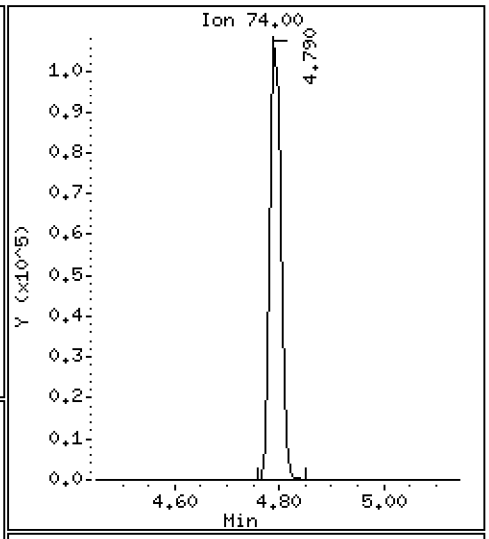
Column phase: ZB-5msi

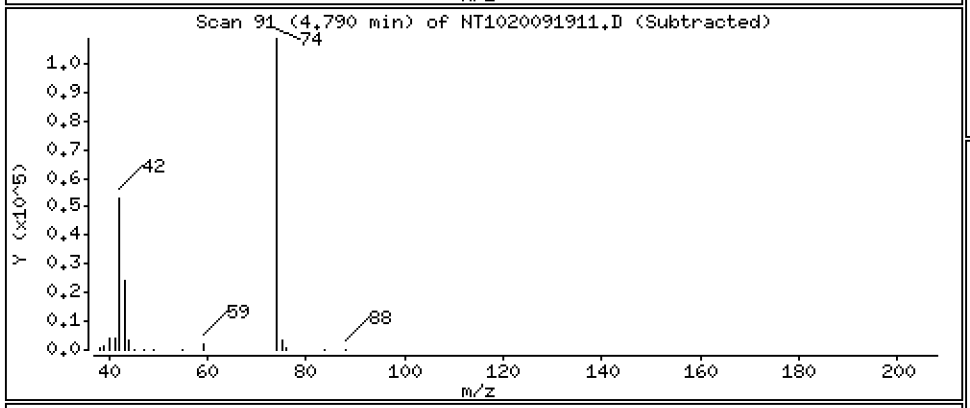
Column diameter: 0.25

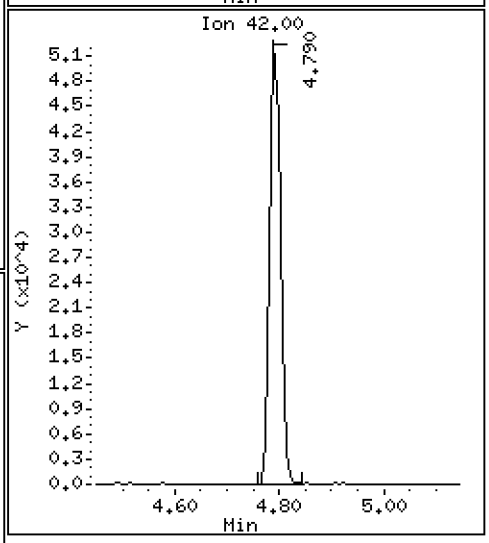
90 N-Nitrosodimethylamine

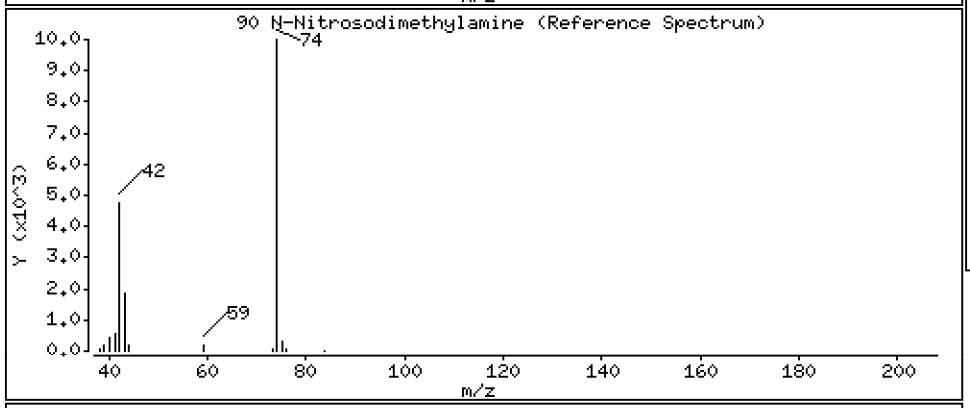
Concentration: 5.857 ug/mL

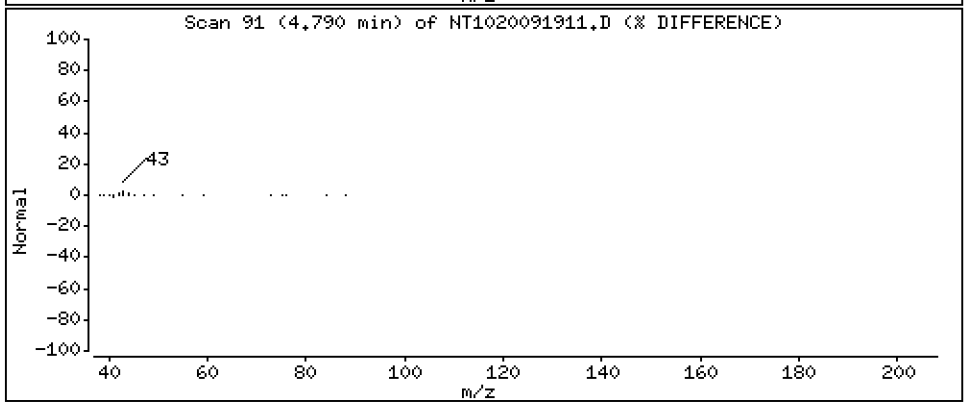












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

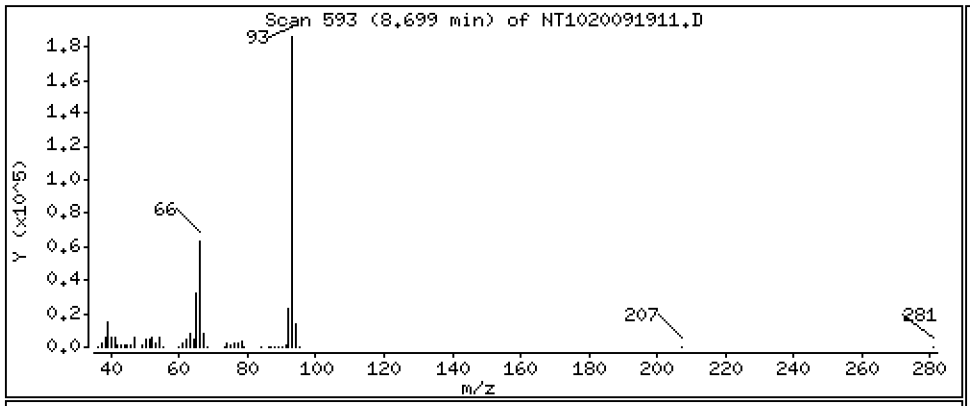
Operator: VTS

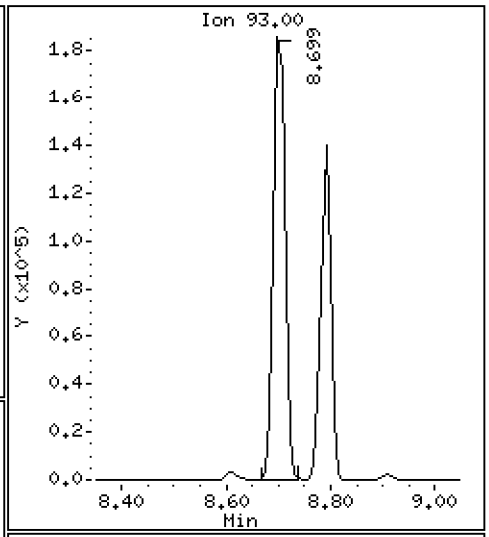
Column phase: ZB-5msi

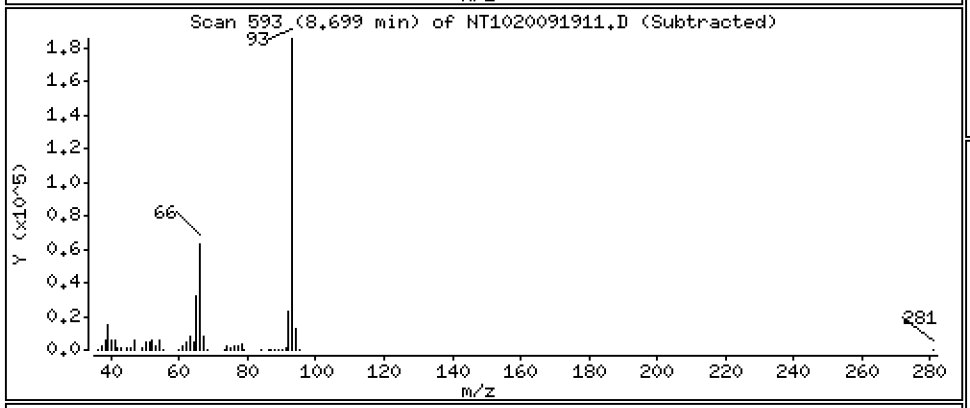
Column diameter: 0.25

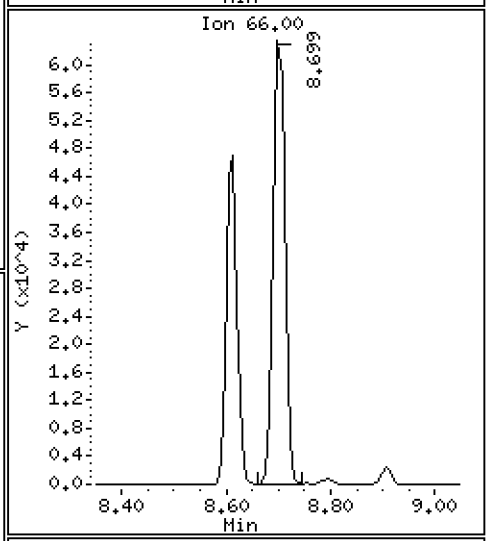
91 Aniline

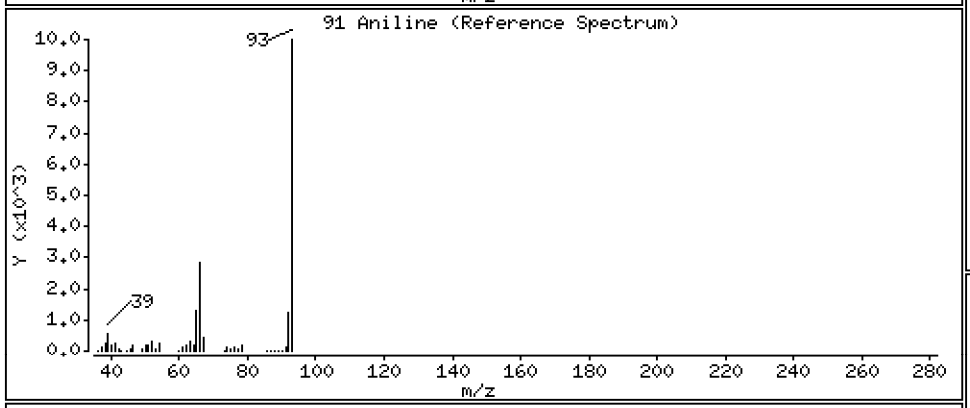
Concentration: 8.041 ug/mL

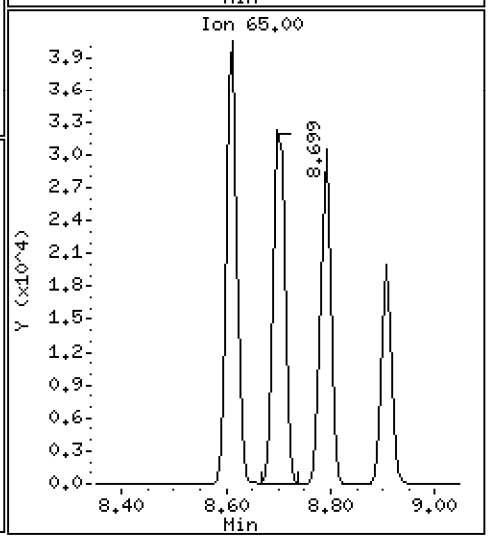


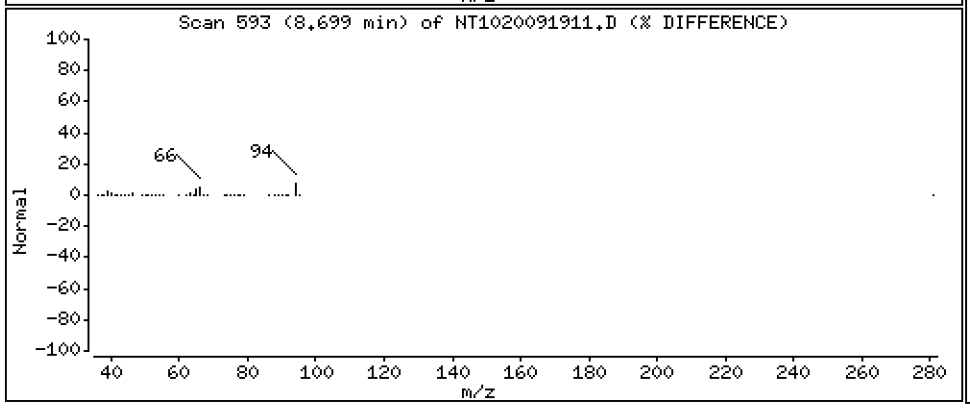












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

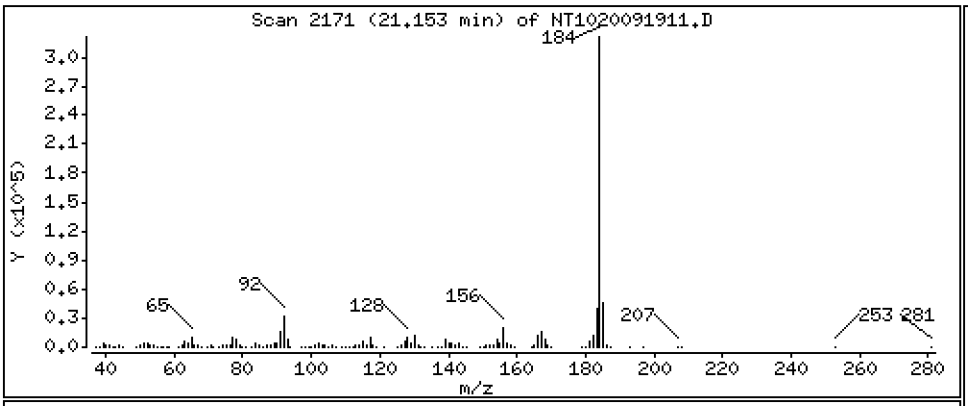
Operator: VTS

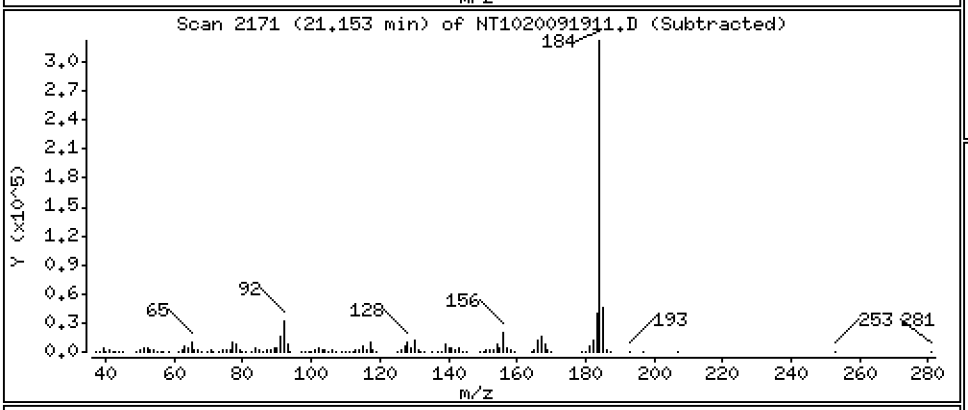
Column phase: ZB-5msi

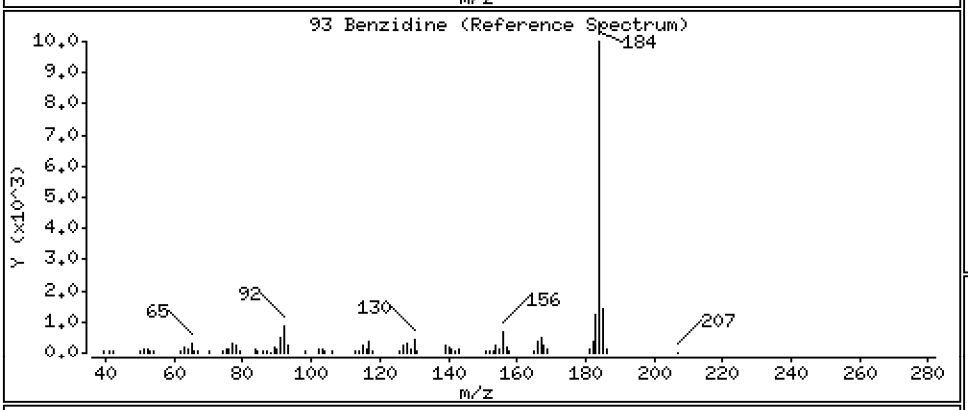
Column diameter: 0.25

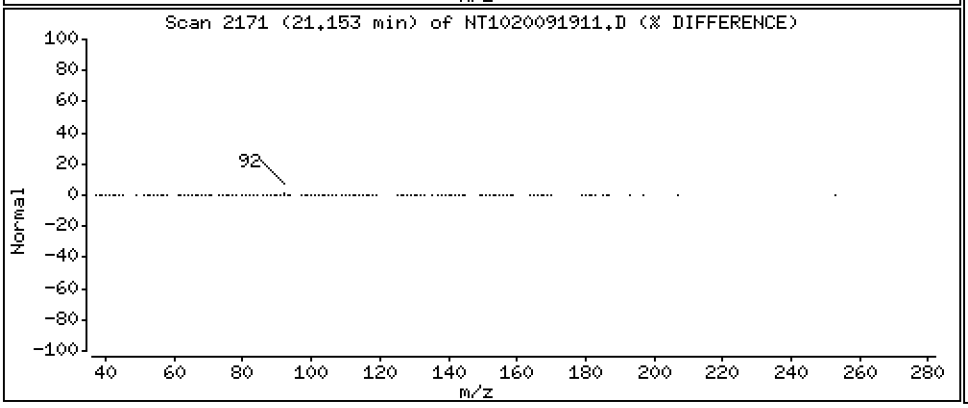
93 Benzidine

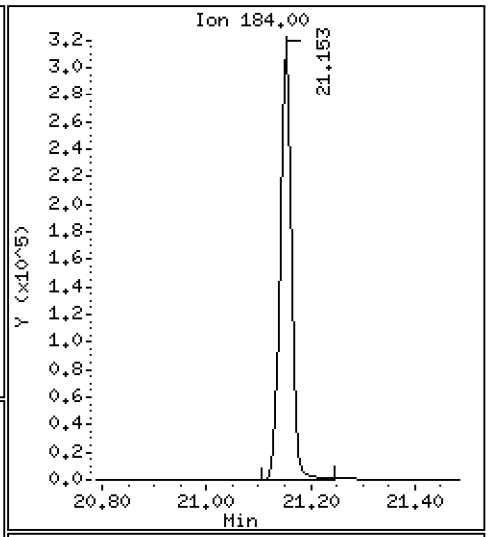
Concentration: 10.25 ug/mL

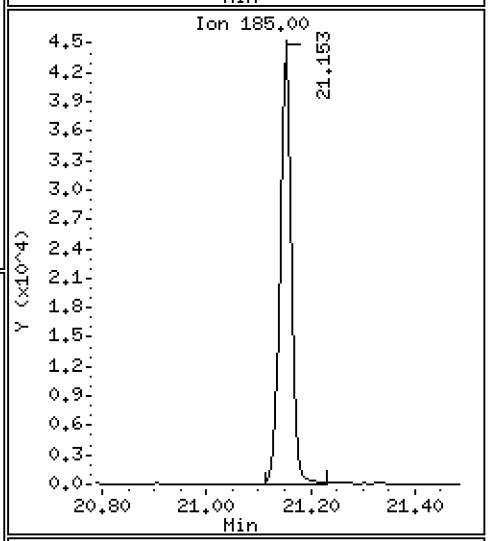


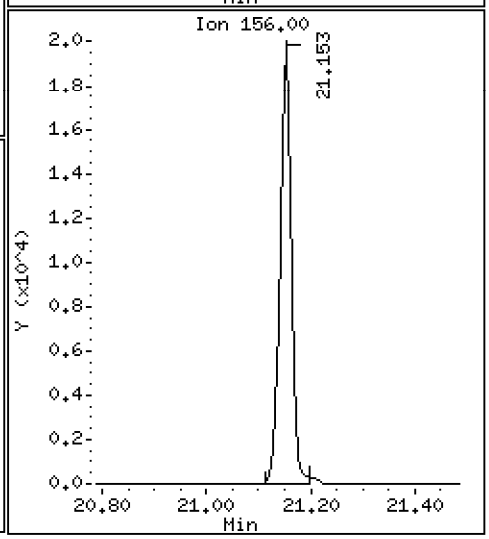












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

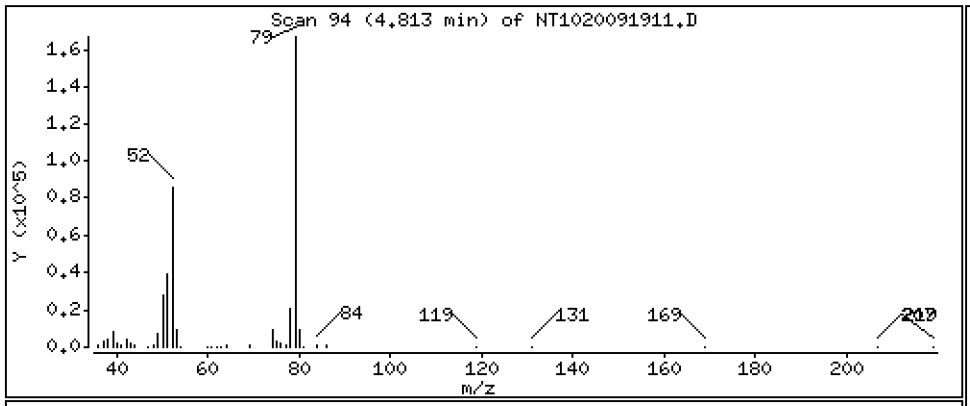
Operator: VTS

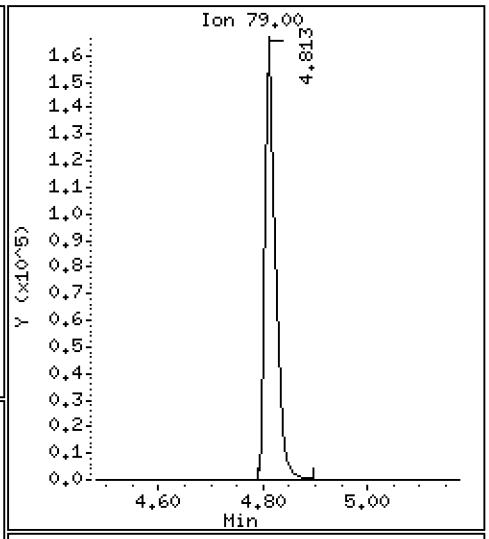
Column phase: ZB-5msi

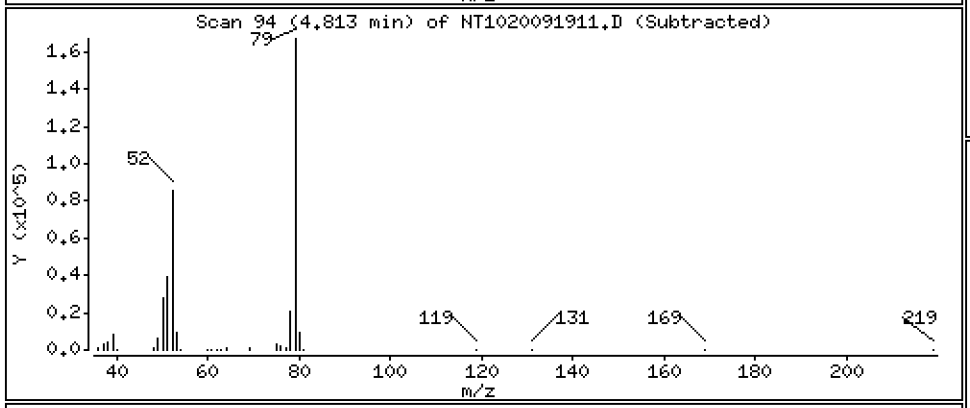
Column diameter: 0.25

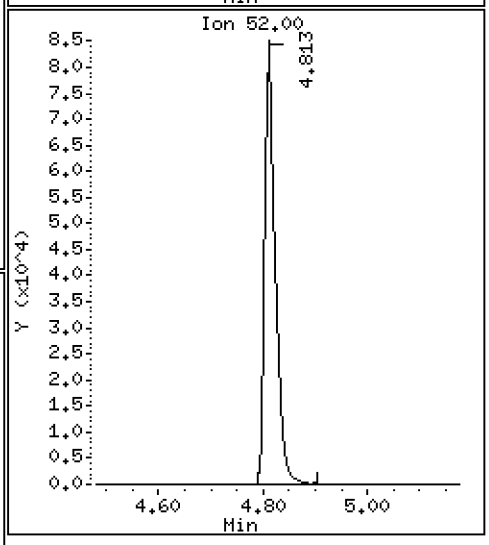
103 Pyridine

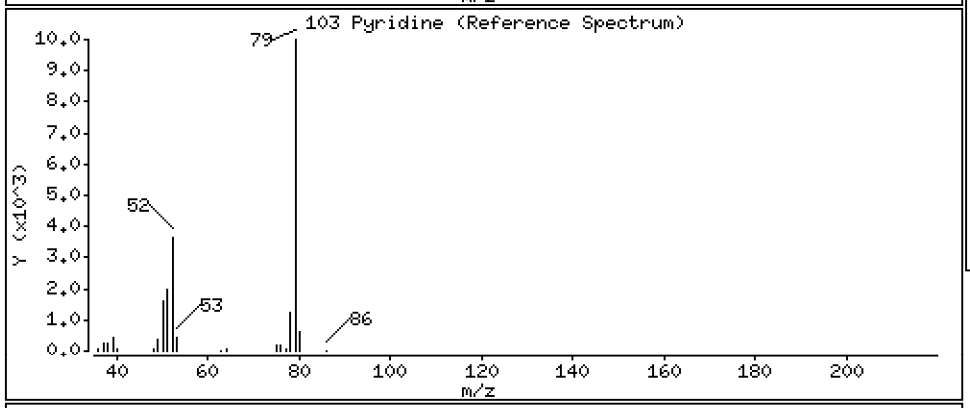
Concentration: 6.085 ug/mL

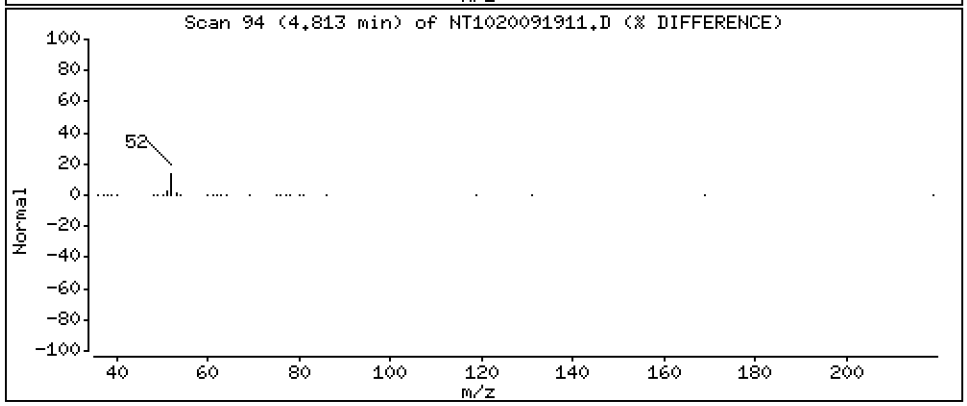












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

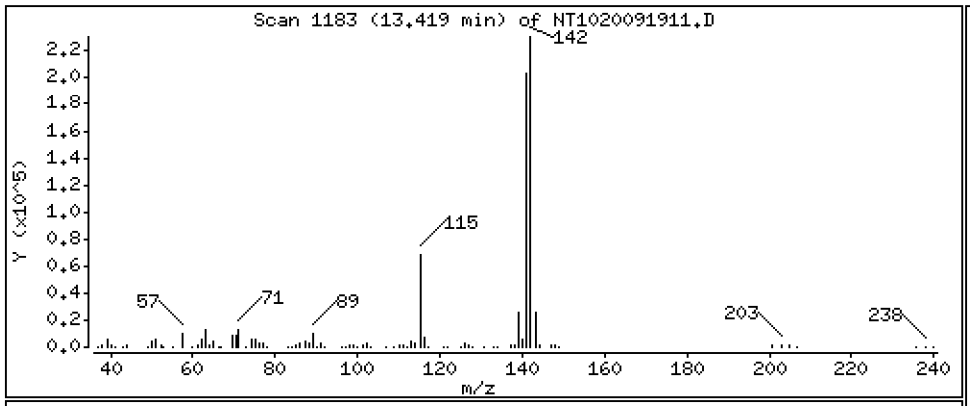
Operator: VTS

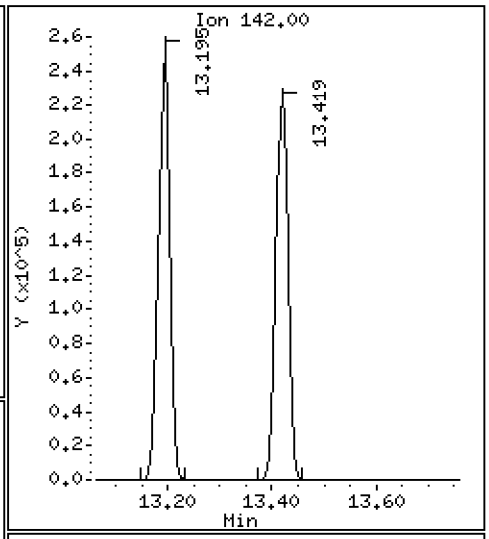
Column phase: ZB-5msi

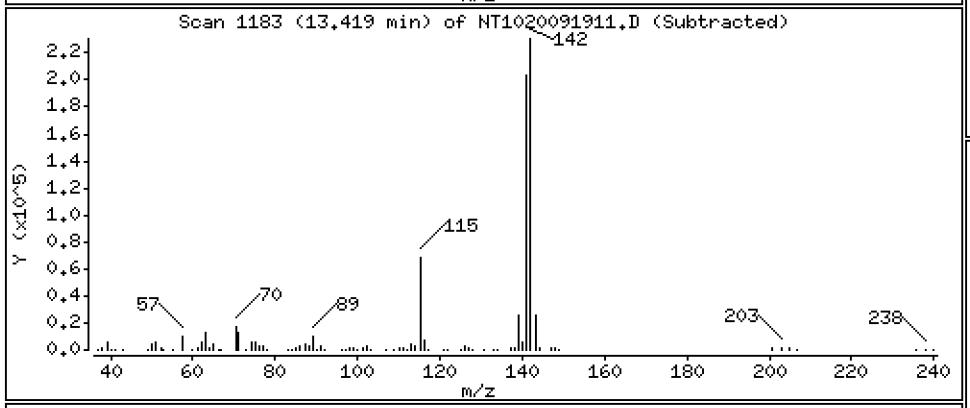
Column diameter: 0.25

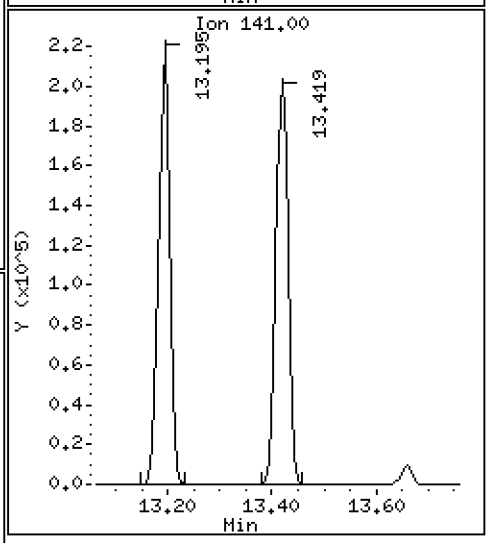
105 1-methylnaphthalene

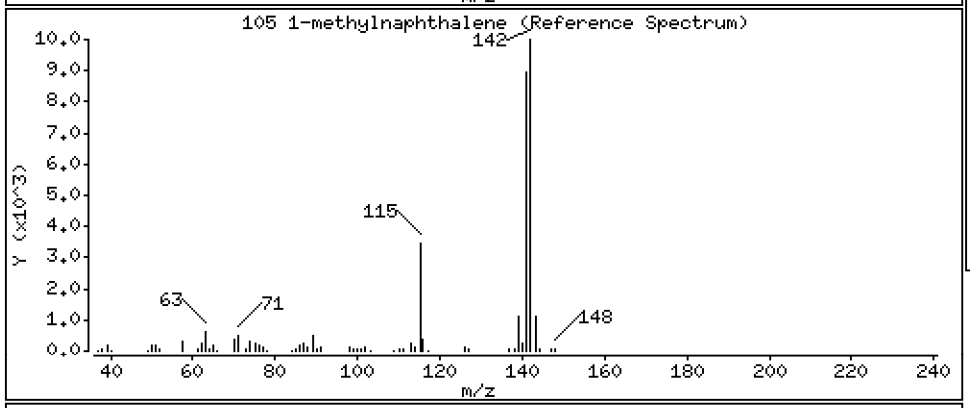
Concentration: 5.011 ug/mL

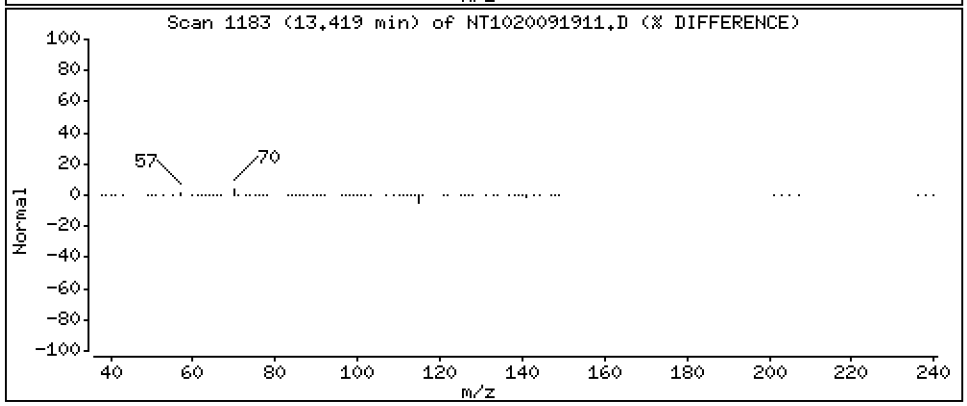












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

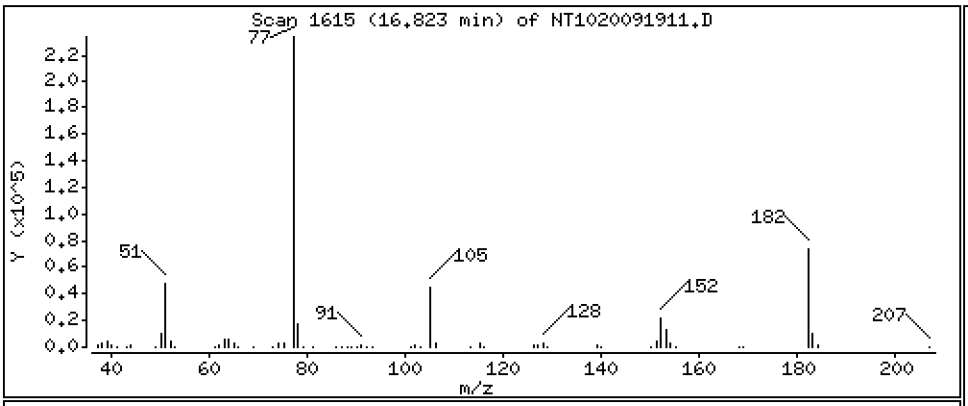
Operator: VTS

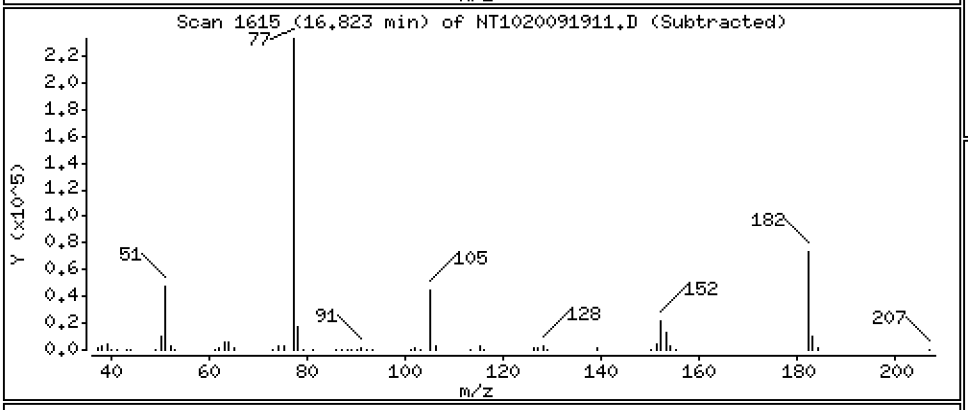
Column phase: ZB-5msi

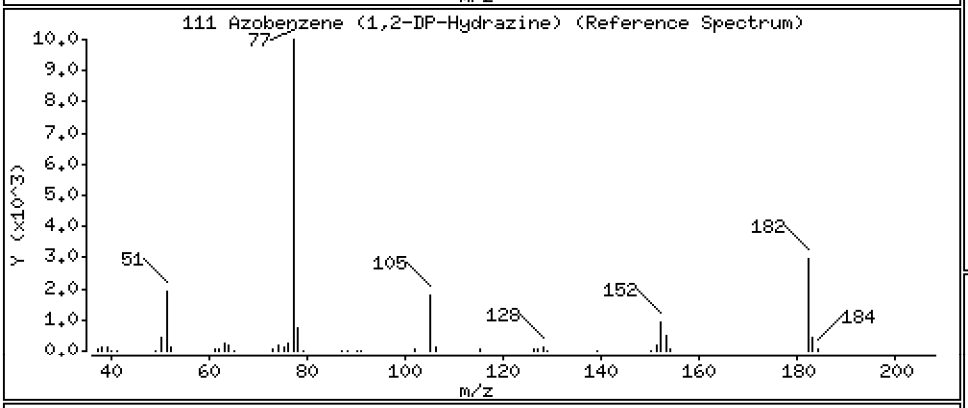
Column diameter: 0.25

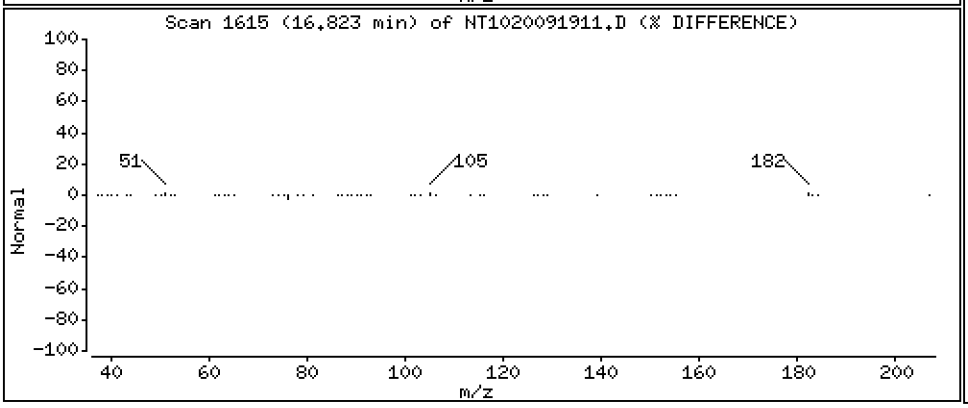
111 Azobenzene (1,2-DP-Hydrazine)

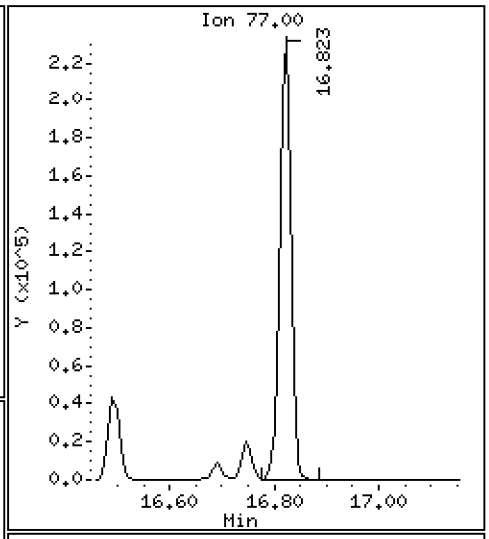
Concentration: 4.563 ug/mL

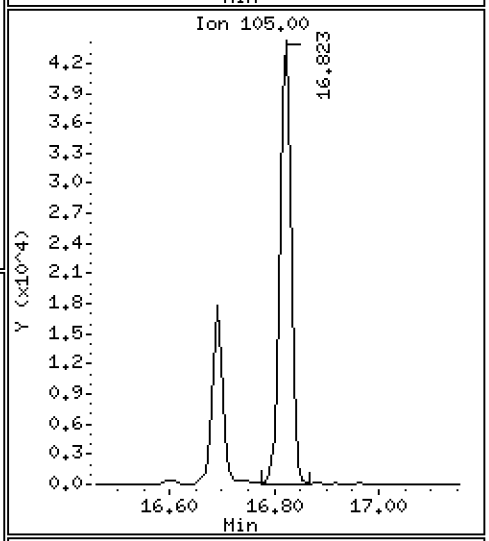


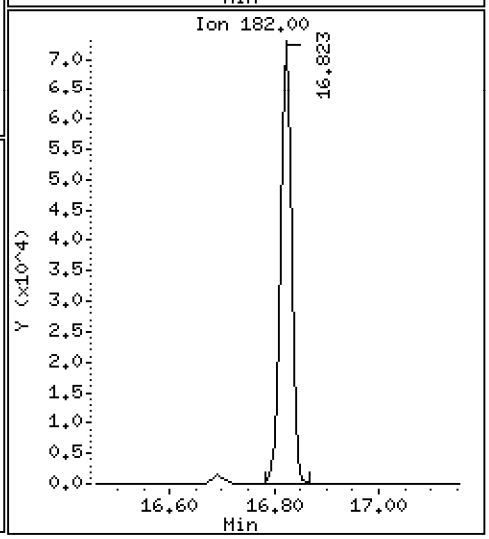












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

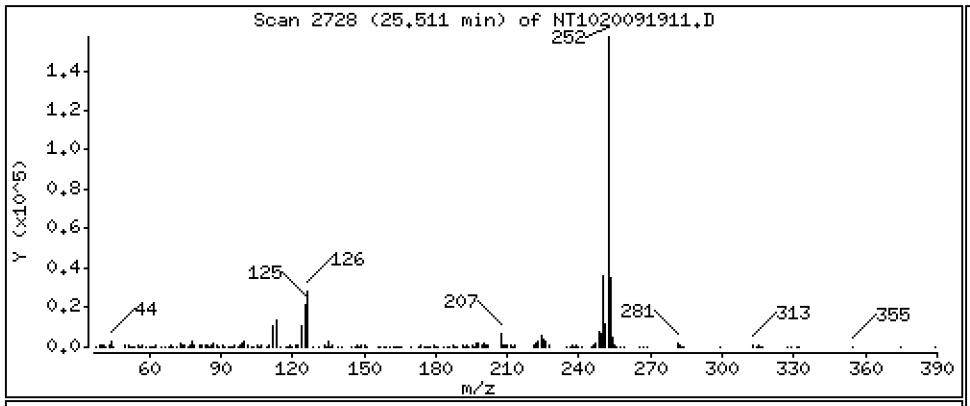
Operator: VTS

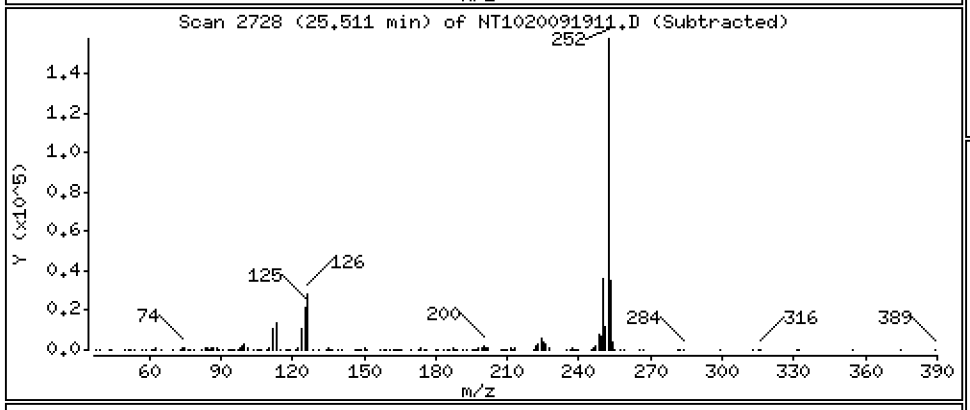
Column phase: ZB-5msi

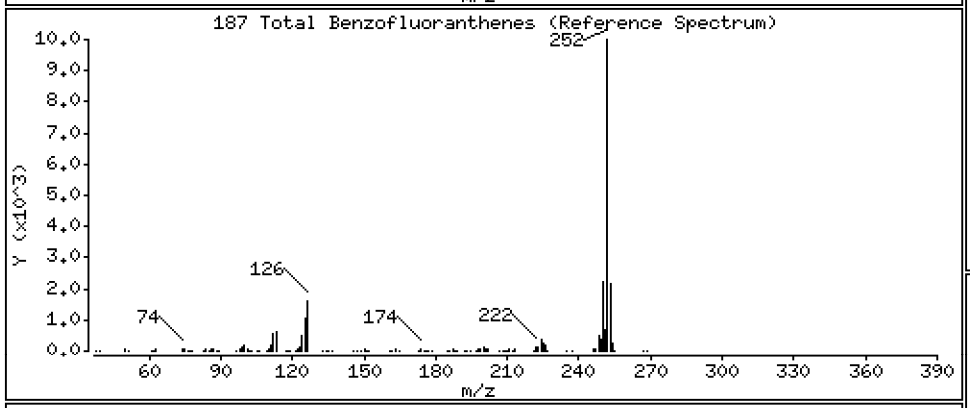
Column diameter: 0.25

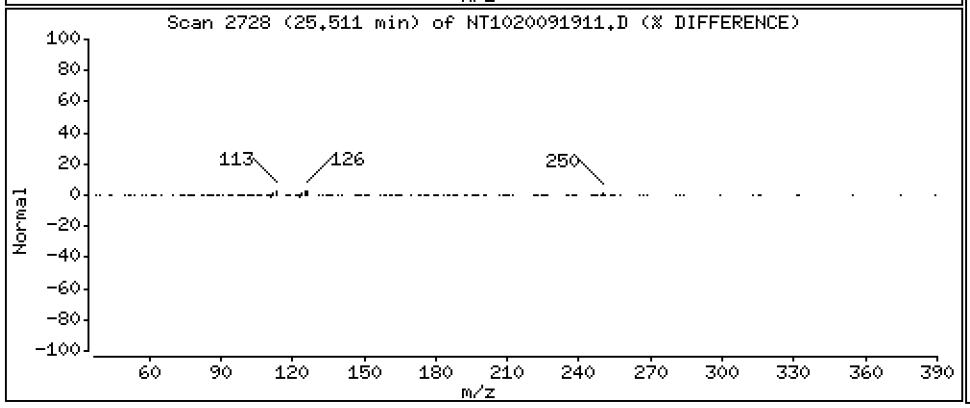
187 Total Benzofluoranthenes

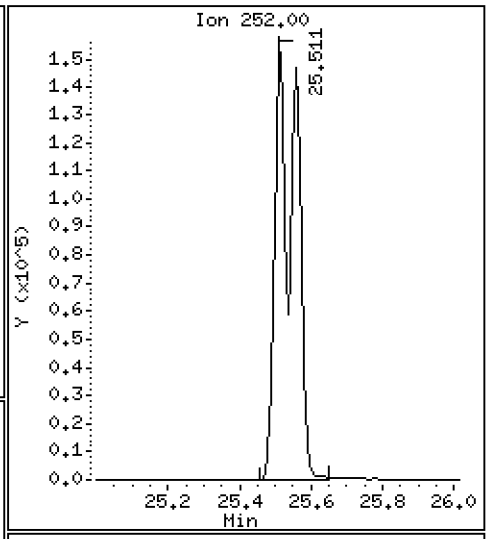
Concentration: 10.08 ug/mL

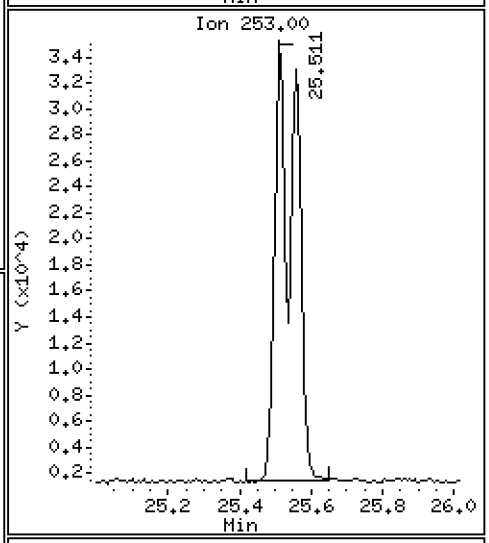


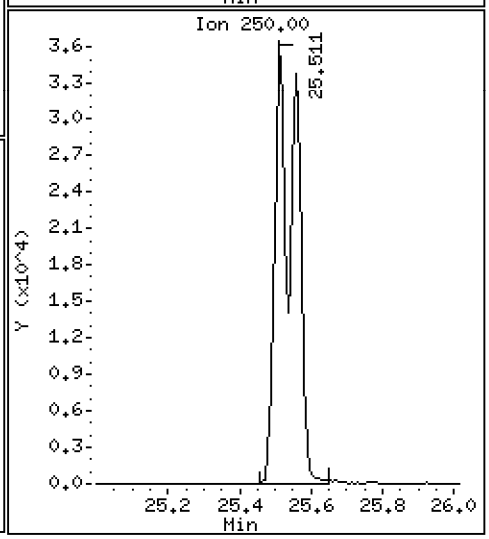












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

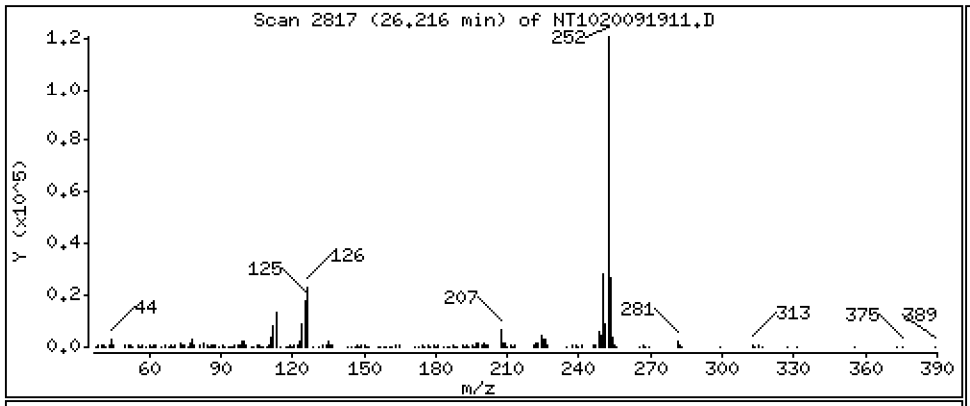
Operator: VTS

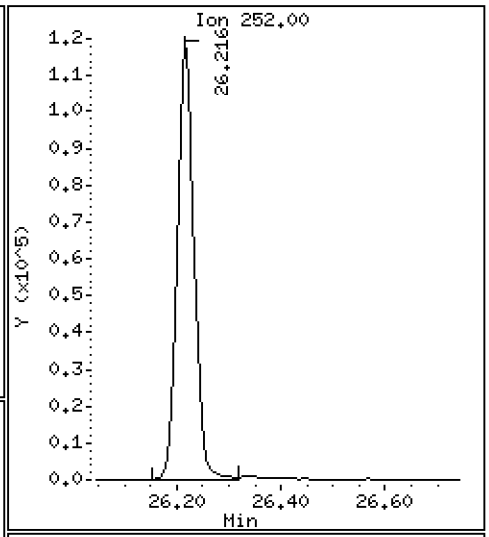
Column phase: ZB-5msi

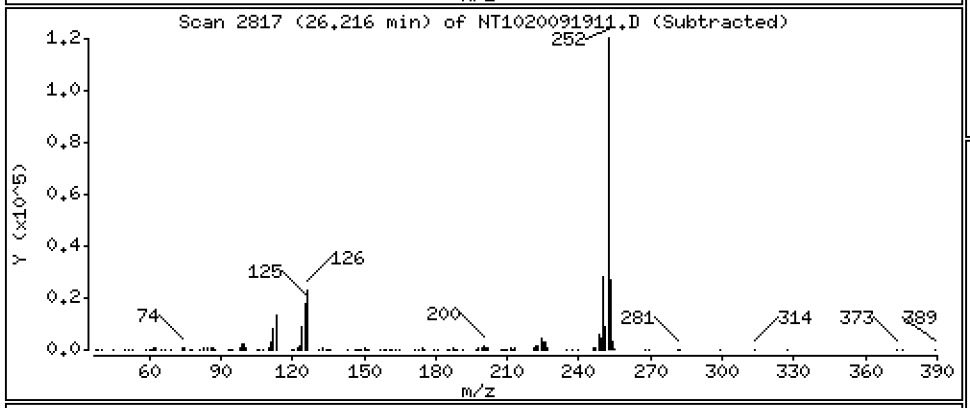
Column diameter: 0.25

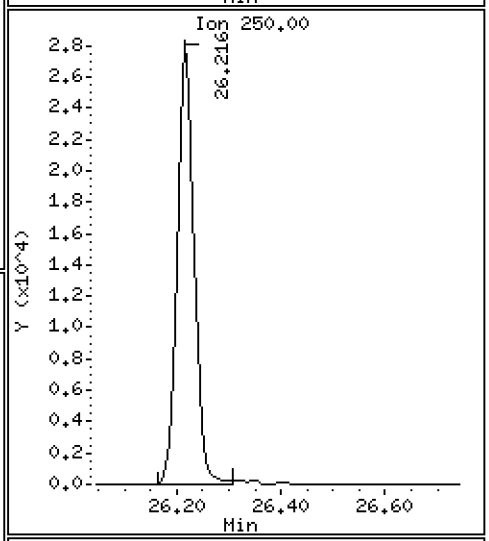
99 Perylene

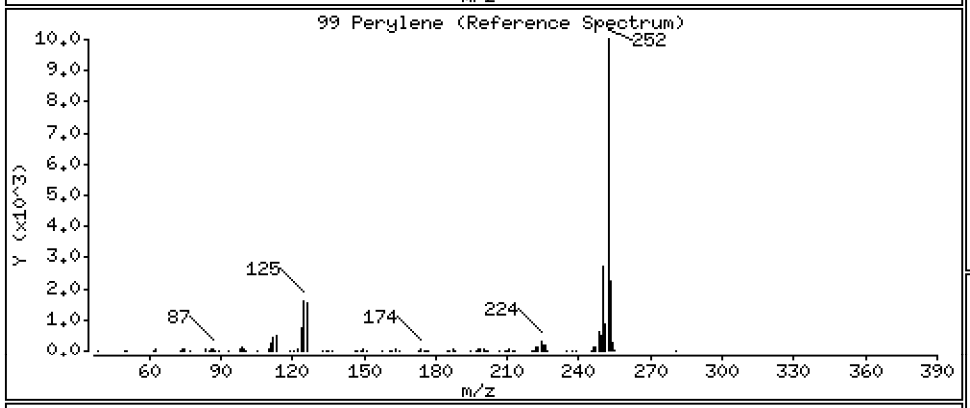
Concentration: 5.952 ug/mL

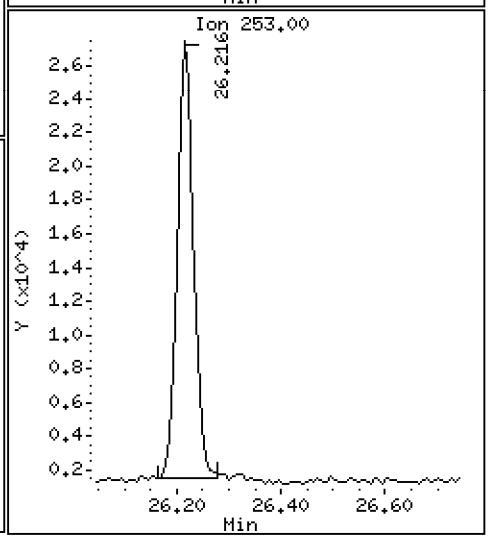


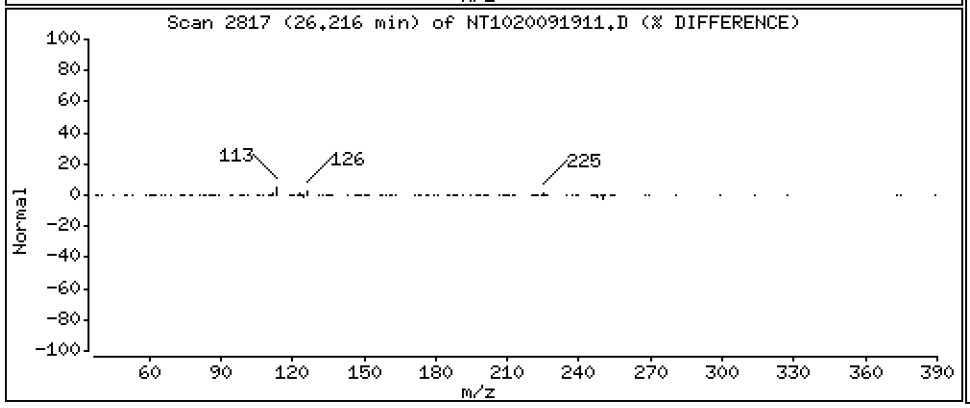












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

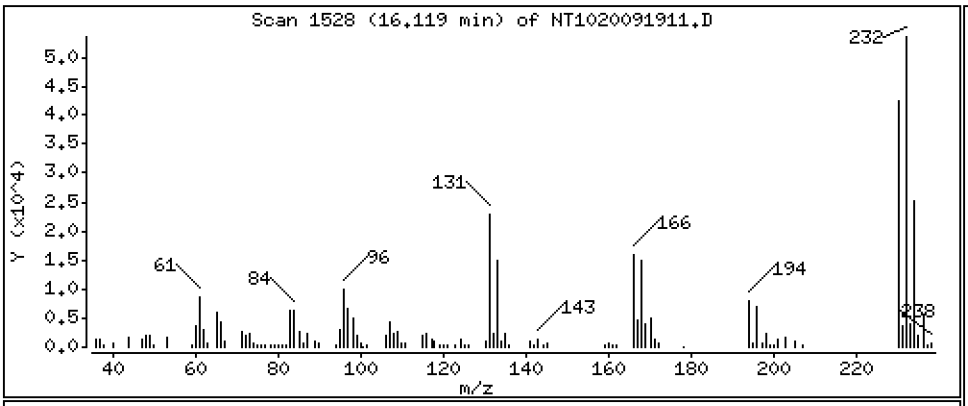
Operator: VTS

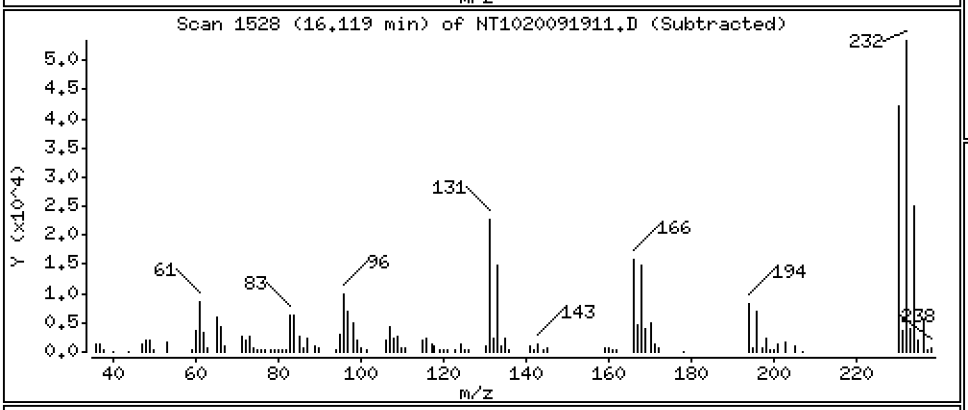
Column phase: ZB-5msi

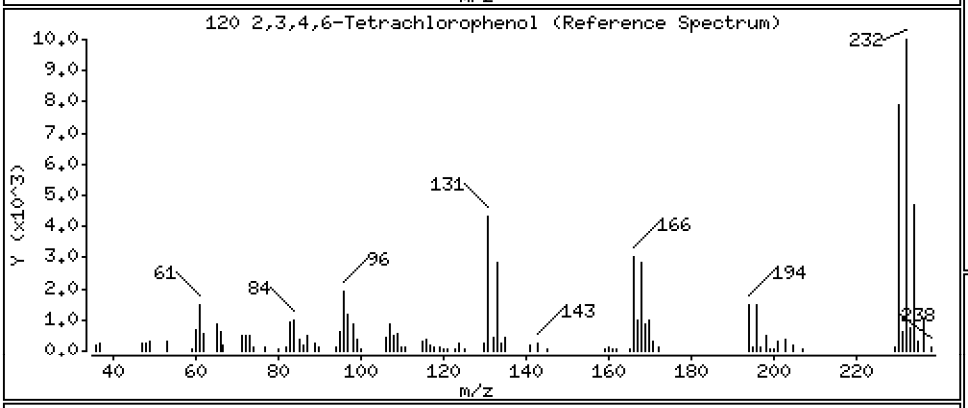
Column diameter: 0.25

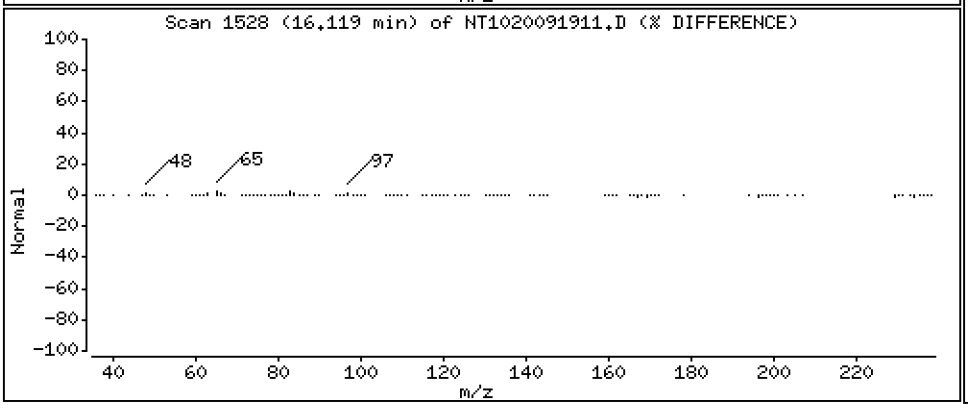
120 2,3,4,6-Tetrachlorophenol

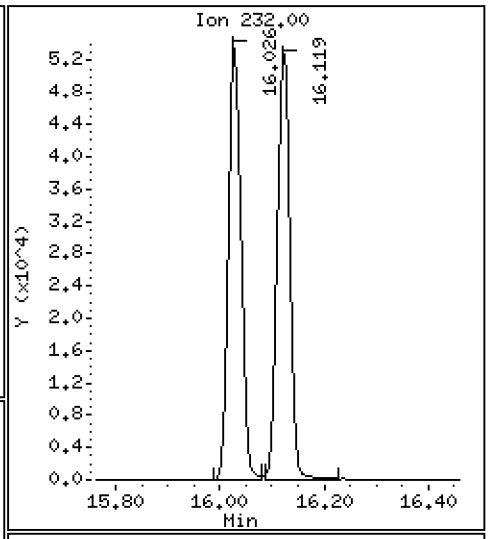
Concentration: 4.973 ug/mL

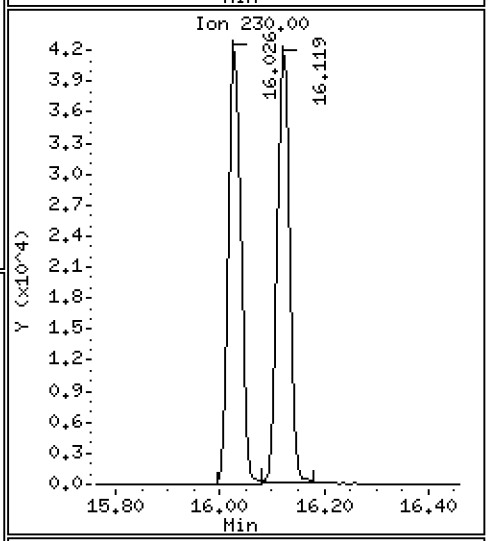


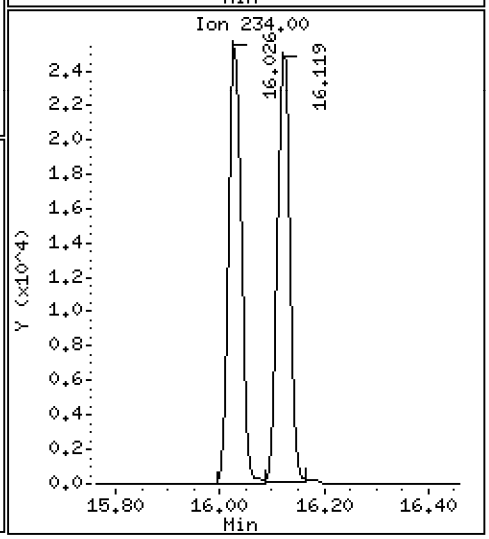












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D
Lab Smp Id: SII0276-SCV1
Inj Date : 19-SEP-2020 18:28
Operator : VTS Inst ID: nt10.i
Smp Info : SII0276-SCV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Meth Date : 22-Sep-2020 14:56 yev Quant Type: ISTD
Cal Date : 19-SEP-2020 17:51 Cal File: NT1020091910.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1 2-Fluorophenol	112	Compound Not Detected.					
$ 2 Phenol-d5	99	Compound Not Detected.					
3 Phenol	94	8.614	8.606	(0.931)	242058	5.05047	5.050
$ 5 2-Chlorophenol-d4	132	Compound Not Detected.					
4 Bis(2-Chloroethyl)ether	93	8.791	8.791	(0.951)	185904	4.97745	4.977
6 2-Chlorophenol	128	8.907	8.907	(0.963)	184170	4.68652	4.687
7 1,3-Dichlorobenzene	146	9.186	9.186	(0.993)	192502	4.77178	4.772
* 8 1,4-Dichlorobenzene-d4	152	9.248	9.248	(1.000)	94859	4.00000	
9 1,4-Dichlorobenzene	146	9.279	9.279	(1.003)	167109	4.83134	4.831
$ 10 1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
12 1,2-Dichlorobenzene	146	9.636	9.636	(1.042)	170451	4.66051	4.661
11 Benzyl alcohol	108	9.520	9.512	(1.029)	104930	5.03947	5.039
14 2,2'-oxybis(1-Chloropropane)	121	9.822	9.815	(1.062)	55340	4.50100	4.501
13 2-Methylphenol	108	9.737	9.737	(1.053)	139615	4.59663	4.597
17 Hexachloroethane	117	10.234	10.226	(1.107)	70632	4.68602	4.686
16 N-Nitroso-di-n-propylamine	70	10.078	10.078	(1.090)	109215	4.85206	4.852
15 4-Methylphenol	108	10.009	10.001	(1.082)	156717	4.82278	4.823
$ 18 Nitrobenzene-d5	82	Compound Not Detected.					
19 Nitrobenzene	77	10.389	10.389	(0.884)	165486	4.51170	4.512
20 Isophorone	82	10.831	10.831	(0.922)	346349	4.79453	4.795
21 2-Nitrophenol	139	11.019	11.019	(0.938)	103271	4.74324	4.743
22 2,4-Dimethylphenol	107	11.062	11.053	(0.942)	146636	4.72998	4.730
23 Bis(2-Chloroethoxy)methane	93	11.265	11.257	(0.959)	185204	4.89492	4.895
24 Benzoic acid	105	11.197	11.138	(0.953)	179594	8.44509	8.445
25 2,4-Dichlorophenol	162	11.469	11.460	(0.976)	140055	5.04062	5.041
26 1,2,4-Trichlorobenzene	180	11.663	11.655	(0.993)	139996	4.68418	4.684
* 27 Naphthalene-d8	136	11.748	11.740	(1.000)	335883	4.00000	
28 Naphthalene	128	11.794	11.786	(1.004)	422895	4.85635	4.856
29 4-Chloroaniline	127	11.925	11.917	(1.015)	189754	5.25817	5.258
30 Hexachlorobutadiene	225	12.149	12.142	(1.034)	80147	4.79288	4.793
31 4-Chloro-3-methylphenol	107	12.877	12.869	(1.096)	144498	4.87029	4.870
32 2-Methylnaphthalene	142	13.194	13.186	(1.123)	368675	5.08252	5.083
33 Hexachlorocyclopentadiene	237	13.658	13.651	(0.887)	124092	5.51418	5.514

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.821	13.805	(0.898)	111883	4.97822	4.978
	35 2,4,5-Trichlorophenol	196	13.891	13.875	(0.902)	118253	4.82966	4.830
$	36 2-Fluorobiphenyl	172	Compound Not Detected.					
	37 2-Chloronaphthalene	162	14.192	14.185	(0.922)	335887	4.77238	4.772
	38 2-Nitroaniline	65	14.463	14.455	(0.940)	92564	5.04078	5.041
	39 Dimethylphthalate	163	14.897	14.881	(0.968)	320919	4.68520	4.685
	40 Acenaphthylene	152	15.075	15.067	(0.979)	472438	4.60182	4.602
	41 2,6-Dinitrotoluene	165	15.036	15.028	(0.977)	76576	4.89443	4.894
*	42 Acenaphthene-d10	164	15.392	15.376	(1.000)	174376	4.00000	
	43 3-Nitroaniline	138	15.322	15.315	(0.995)	95651	5.30528	5.305
	44 Acenaphthene	153	15.461	15.446	(1.005)	264544	4.51626	4.516
	45 2,4-Dinitrophenol	184	15.531	15.523	(1.009)	27863	2.73997	2.740
	46 Dibenzofuran	168	15.786	15.771	(1.026)	419795	4.90529	4.905
	47 4-Nitrophenol	109	15.624	15.616	(1.015)	28746	4.78575	4.786
	48 2,4-Dinitrotoluene	165	15.848	15.840	(1.030)	99793	4.81914	4.819
	50 Diethylphthalate	149	16.358	16.343	(1.063)	298873	4.77154	4.772
	49 Fluorene	166	16.505	16.498	(1.072)	318421	4.49217	4.492
	51 4-Chlorophenyl-phenylether	204	16.490	16.482	(1.071)	160750	4.69786	4.698
	52 4-Nitroaniline	138	16.598	16.590	(1.078)	95668	5.31293	5.313
	53 4,6-Dinitro-2-methylphenol	198	16.691	16.683	(0.904)	77068	4.94987	4.950
	54 N-Nitrosodiphenylamine	169	16.745	16.737	(0.907)	274102	6.42978	6.430
$	55 2,4,6-Tribromophenol	330	Compound Not Detected.					
	56 4-Bromophenyl-phenylether	248	17.508	17.501	(0.948)	140285	4.84840	4.848
	57 Hexachlorobenzene	284	17.825	17.817	(0.966)	130876	4.59776	4.598
	58 Pentachlorophenol	266	18.189	18.173	(0.985)	57510	4.88340	4.883
*	59 Phenanthrene-d10	188	18.460	18.444	(1.000)	328343	4.00000	
	60 Phenanthrene	178	18.506	18.498	(1.002)	423820	4.89488	4.895
	61 Anthracene	178	18.599	18.591	(1.008)	437919	4.70531	4.705
	62 Carbazole	167	18.939	18.924	(1.026)	451719	4.81042	4.810
	63 Di-n-butylphthalate	149	19.729	19.721	(1.069)	579118	4.79068	4.791
	64 Fluoranthene	202	20.905	20.897	(0.888)	532561	4.52973	4.530
	65 Pyrene	202	21.338	21.322	(0.906)	563185	4.71565	4.716
$	66 Terphenyl-d14	244	Compound Not Detected.					
	67 Butylbenzylphthalate	149	22.561	22.553	(0.958)	206361	4.81201	4.812
	68 Benzo(a)anthracene	228	23.521	23.513	(0.999)	397218	4.72692	4.727
*	69 Chrysene-d12	240	23.552	23.544	(1.000)	216919	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.482	23.475	(0.997)	309355	10.1029	10.10
	71 Chrysene	228	23.598	23.591	(1.002)	323192	4.79059	4.791
	72 bis(2-Ethylhexyl)phthalate	149	23.598	23.583	(0.958)	233436	4.73101	4.731
*	134 Di-n-octylphthalate-d4	153	24.620	24.613	(1.000)	349027	4.00000	
	73 Di-n-octylphthalate	149	24.636	24.628	(1.001)	440607	4.85361	4.854
	74 Benzo(b)fluoranthene	252	25.511	25.503	(0.968)	309270	5.06616	5.066
	75 Benzo(k)fluoranthene	252	25.557	25.549	(0.970)	311932	5.07811	5.078
	76 Benzo(a)pyrene	252	26.215	26.207	(0.995)	266485	5.24711	5.247
*	77 Perylene-d12	264	26.347	26.331	(1.000)	160930	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	29.222	29.215	(1.109)	212426	5.05171	5.052
	79 Dibenzo(a,h)anthracene	278	29.253	29.238	(1.110)	170917	4.99497	4.995
	80 Benzo(g,h,i)perylene	276	30.085	30.069	(1.142)	167170	4.84778	4.848
	90 N-Nitrosodimethylamine	74	4.790	4.797	(0.518)	146984	5.85692	5.857
	91 Aniline	93	8.699	8.699	(0.941)	272309	8.04102	8.041
	93 Benzidine	184	21.152	21.137	(0.898)	488349	10.2536	10.25
	103 Pyridine	79	4.813	4.828	(0.520)	225760	6.08494	6.085
	105 1-methylnaphthalene	142	13.418	13.411	(1.142)	350810	5.01072	5.011
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.822	16.807	(1.093)	362084	4.56296	4.563

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.511	25.503	(0.968)	598167	10.0798	10.08
99 Perylene	252	26.215	26.393	(0.995)	266485	5.95198	5.952
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	16.119	16.111	(1.047)	96211	4.97275	4.973

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020091911.D
Lab Smp Id: SII0276-SCV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Misc Info:

Calibration Date: 19-SEP-2020
Calibration Time: 12:43
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	131496	65748	262992	94859	-27.86
27 Naphthalene-d8	469048	234524	938096	335883	-28.39
42 Acenaphthene-d10	240338	120169	480676	174376	-27.45
59 Phenanthrene-d10	451272	225636	902544	328343	-27.24
69 Chrysene-d12	290698	145349	581396	216919	-25.38
134 Di-n-octylphthala	509417	254709	1018834	349027	-31.49
77 Perylene-d12	218282	109141	436564	160930	-26.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.26	8.76	9.76	9.25	-0.09
27 Naphthalene-d8	11.75	11.25	12.25	11.75	-0.00
42 Acenaphthene-d10	15.38	14.88	15.88	15.39	0.10
59 Phenanthrene-d10	18.44	17.94	18.94	18.46	0.13
69 Chrysene-d12	23.51	23.01	24.01	23.55	0.16
134 Di-n-octylphthala	24.57	24.07	25.07	24.62	0.19
77 Perylene-d12	26.29	25.79	26.79	26.35	0.24

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020091911.D

Lab ID: SII0276-SCV1
nt10.i, ABN.m, 19-SEP-2020 18:28

RT	CO-ELUTION COMPOUNDS
26.216	Perylene and Benzo(a)pyrene

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.995	1.002	-0.0074	Perylene

RRT check based on Ccal File: NT1020091910.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Analytical Resources, Incorporated
Analytical Chemists and Consultants

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, Inc.
SDG: 20I0181
Client: Anchor QEA, LLC
Project: Lower Duwamish AOC4
Calibration: DJ00051
Laboratory ID: SIJ0179-SCV1
Sequence: SIJ0179
Sequence Name: SCV 5.0
Standard ID: I006450

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Phenol	5.0000	5.1	2.5	20.00
4-Methylphenol	5.0000	4.7	-5.5	20.00
Naphthalene	5.0000	4.7	-5.4	20.00
2-Methylnaphthalene	5.0000	4.9	-1.8	20.00
Acenaphthylene	5.0000	4.1	-18.1	20.00
Dimethylphthalate	5.0000	4.8	-4.1	20.00
Acenaphthene	5.0000	4.5	-9.5	20.00
Dibenzofuran	5.0000	4.9	-2.7	20.00
Fluorene	5.0000	4.4	-12.2	20.00
Phenanthrene	5.0000	4.9	-1.5	20.00
Anthracene	5.0000	4.8	-4.1	20.00
Fluoranthene	5.0000	4.7	-6.1	20.00
Pyrene	5.0000	4.8	-4.0	20.00
Butylbenzylphthalate	5.0000	4.9	-2.5	20.00
Benzo(a)anthracene	5.0000	4.7	-6.3	20.00
Chrysene	5.0000	4.8	-3.2	20.00
bis(2-Ethylhexyl)phthalate	5.0000	4.9	-1.1	20.00
Benzofluoranthenes, Total	10.000	9.6	-4.0	20.00
Benzo(a)pyrene	5.0000	4.9	-1.1	20.00
Indeno(1,2,3-cd)pyrene	5.0000	4.7	-5.8	20.00
Dibenzo(a,h)anthracene	5.0000	4.7	-6.4	20.00
Benzo(g,h,i)perylene	5.0000	4.7	-6.1	20.00

* Indicates values outside of QC limits

Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Page 1

Date : 13-OCT-2020 15:40

Client ID:

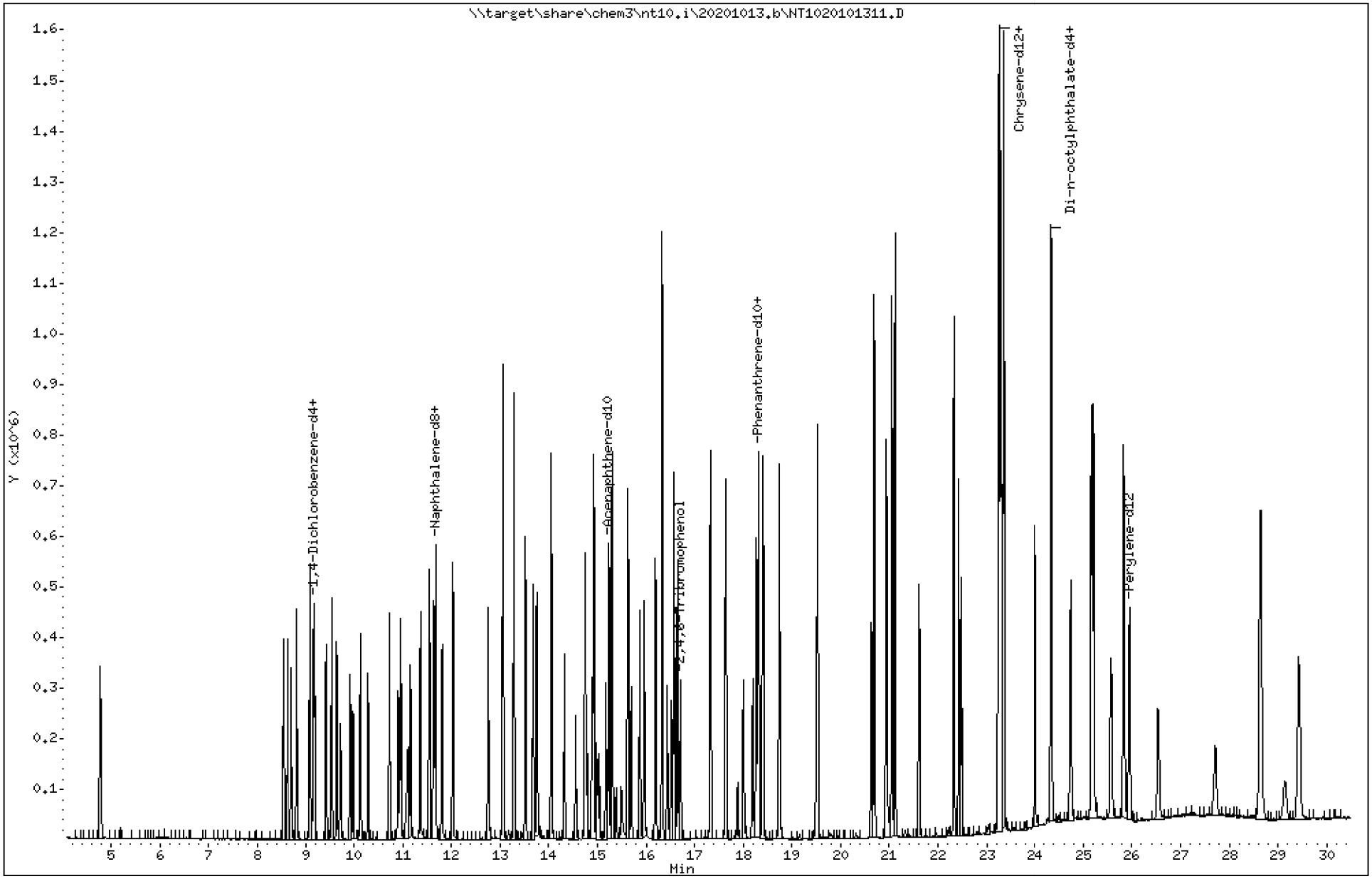
Instrument: nt10.i

Sample Info: SIJ0179-SCV1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

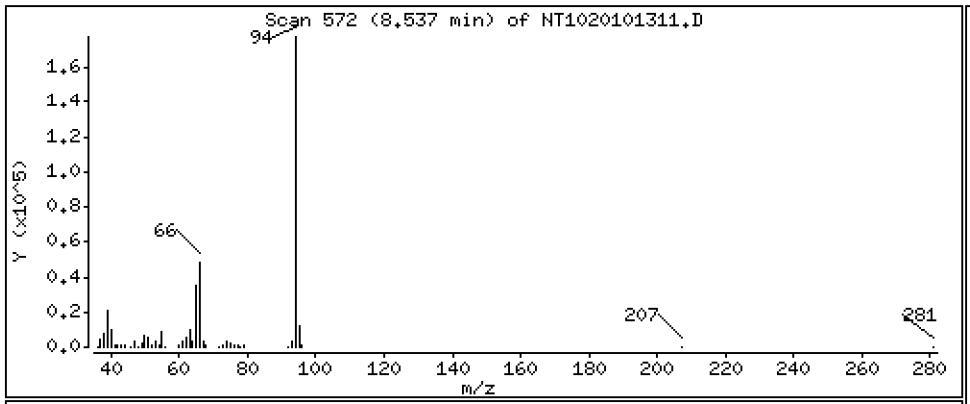
Operator: VTS

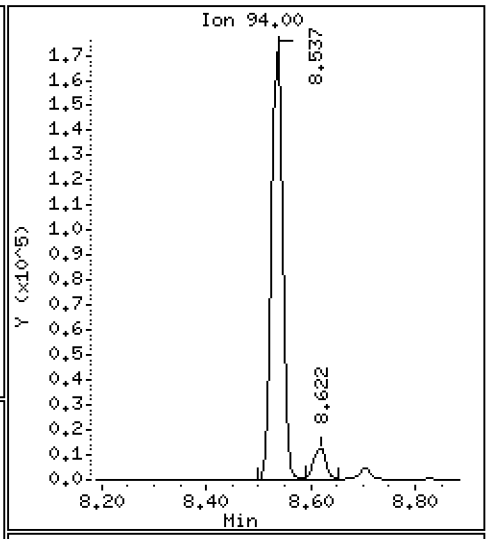
Column phase: ZB-5msi

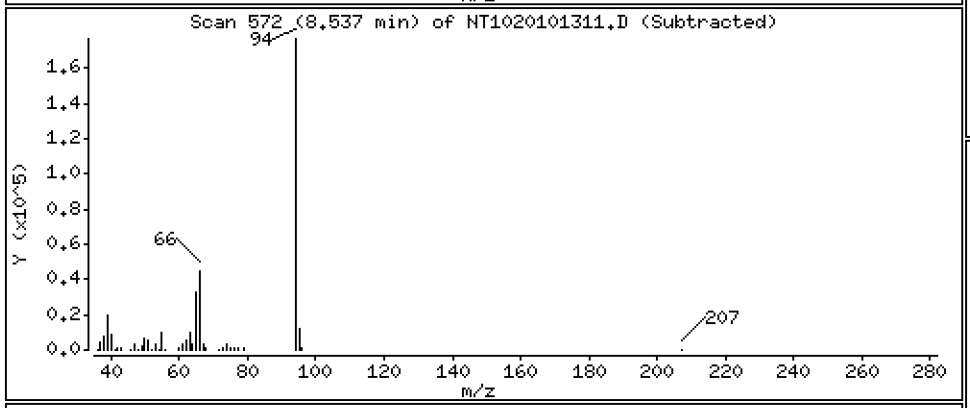
Column diameter: 0.25

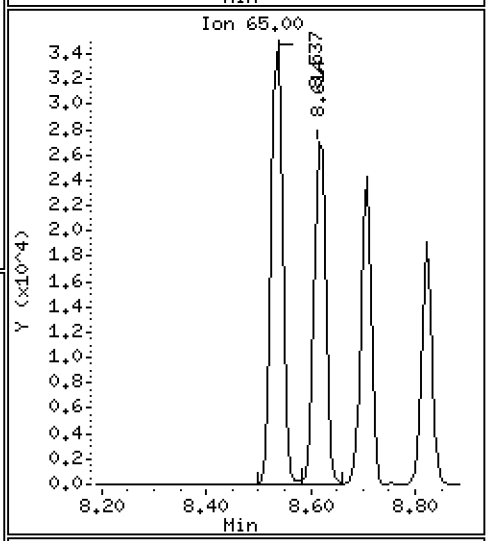
3 Phenol

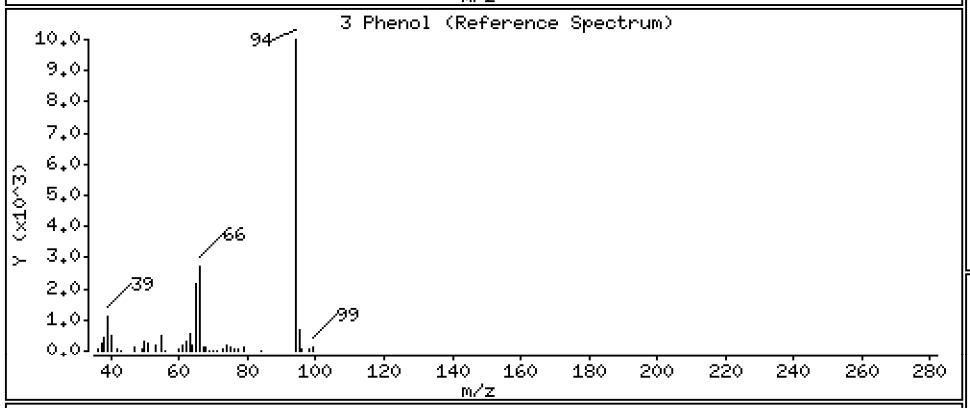
Concentration: 5.127 ug/mL

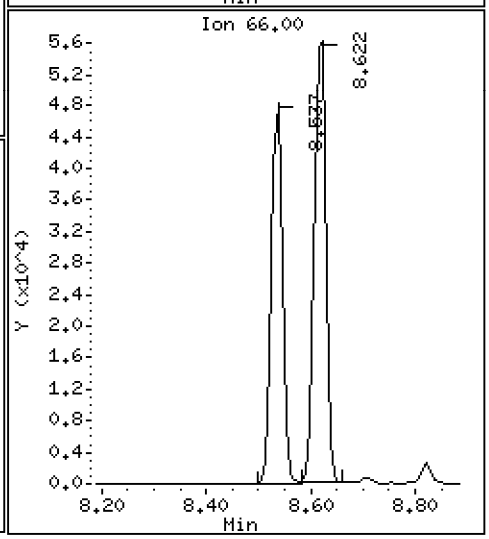


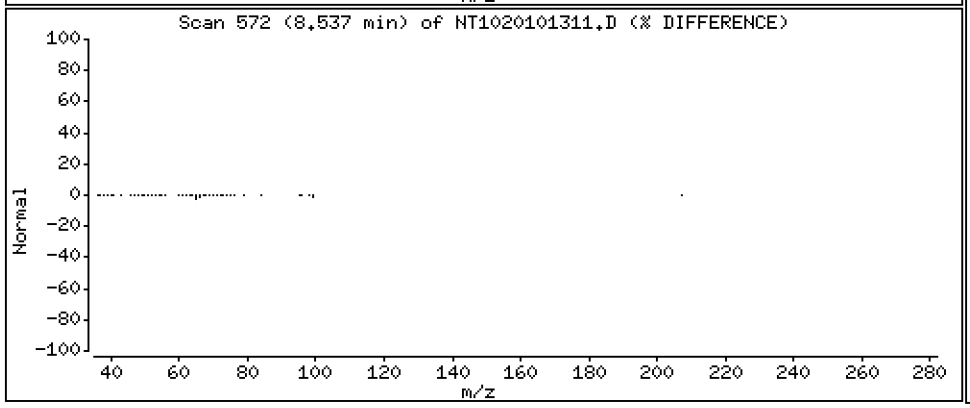












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

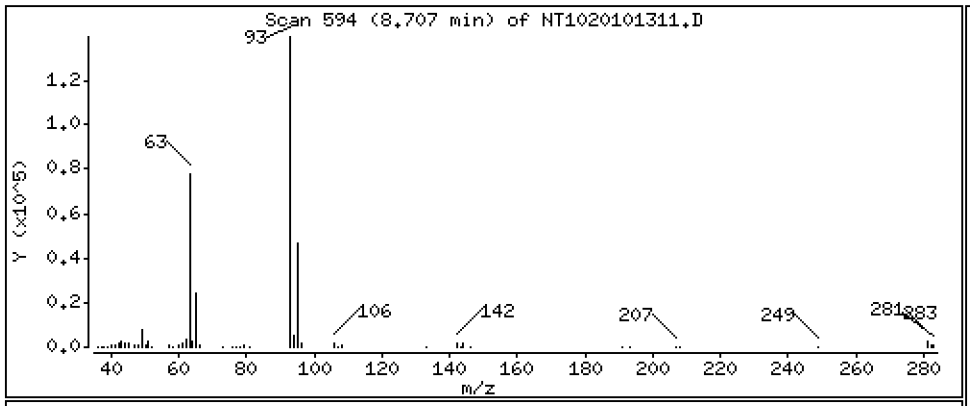
Operator: VTS

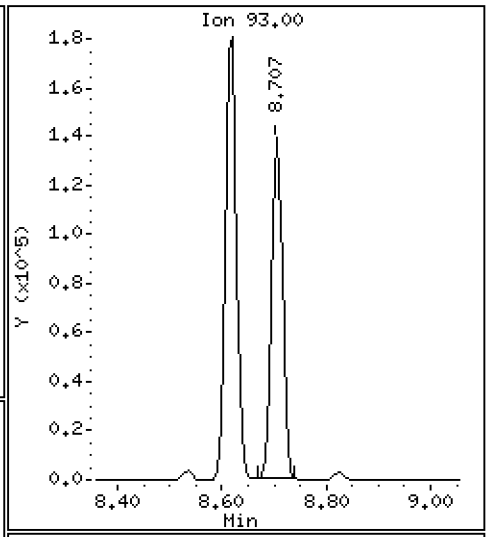
Column phase: ZB-5msi

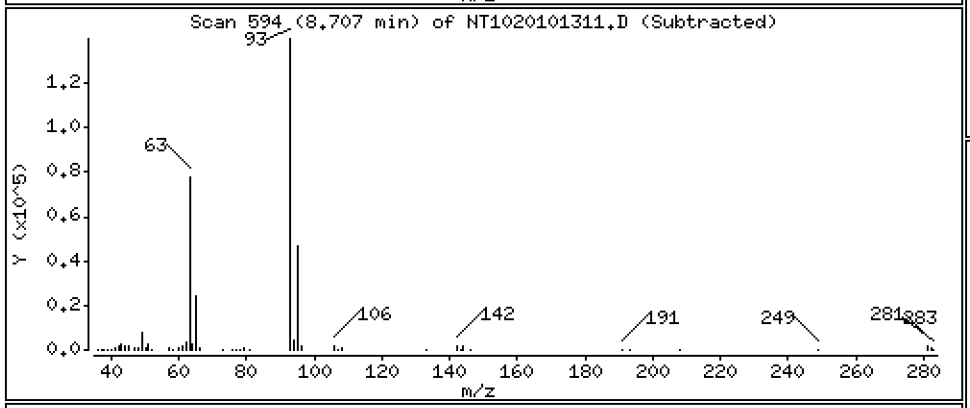
Column diameter: 0.25

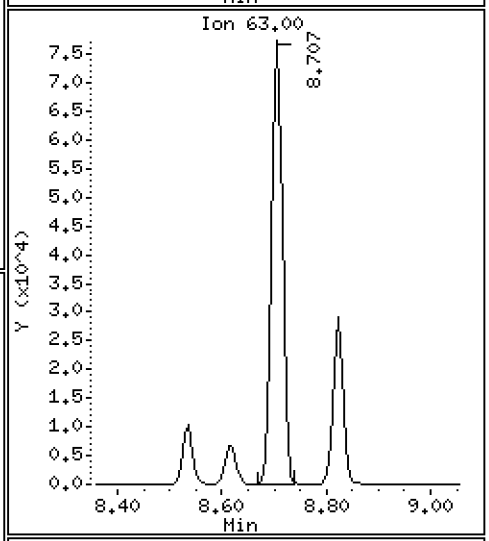
4 Bis(2-Chloroethyl)ether

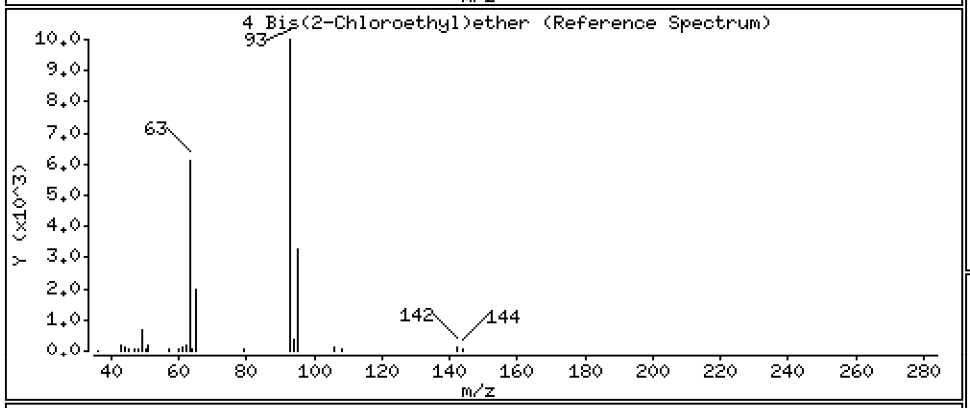
Concentration: 4.920 ug/mL

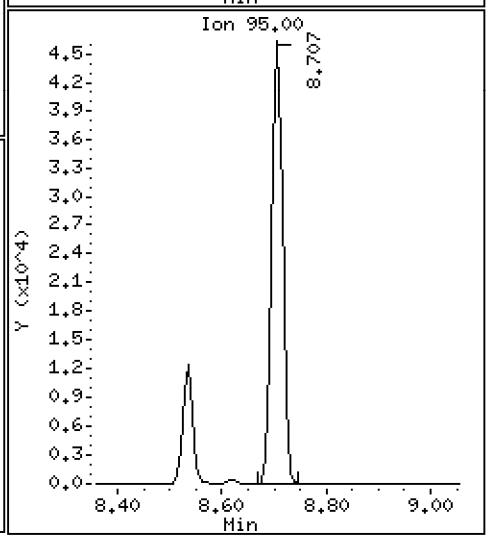


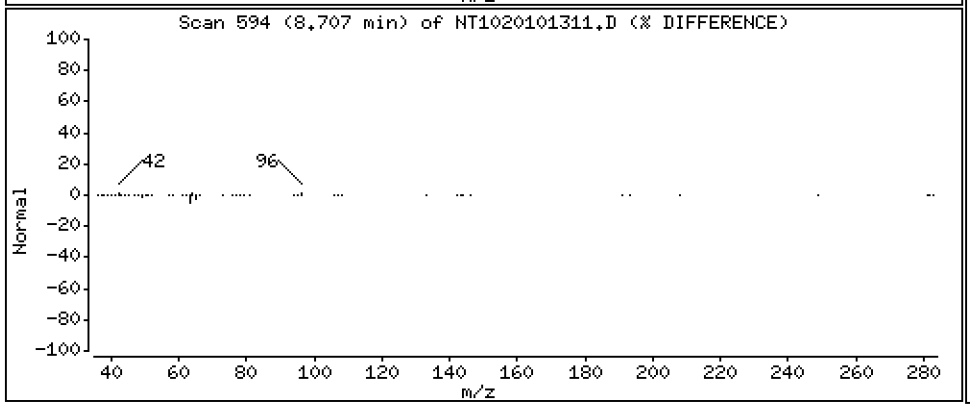












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

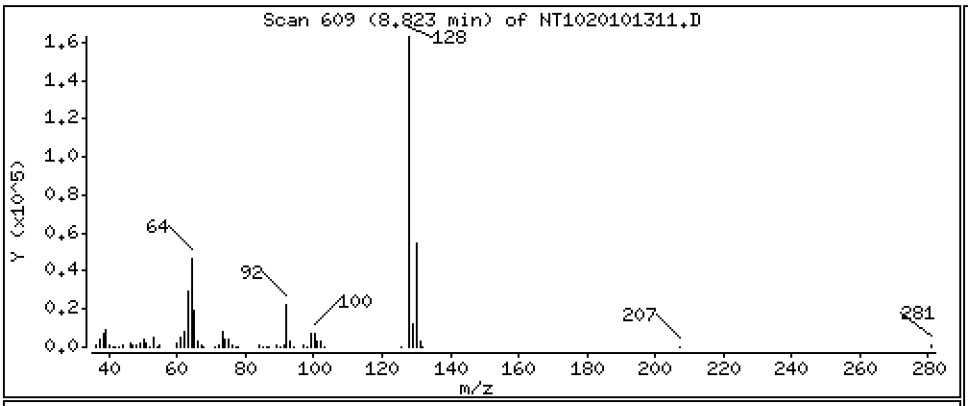
Operator: VTS

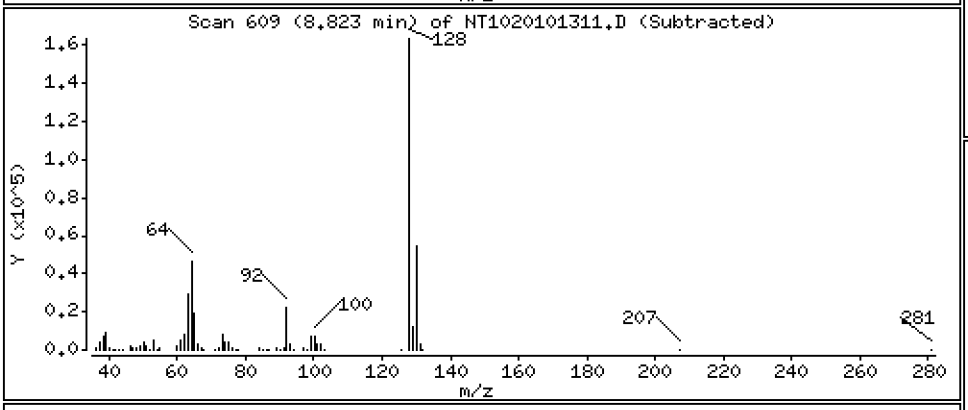
Column phase: ZB-5msi

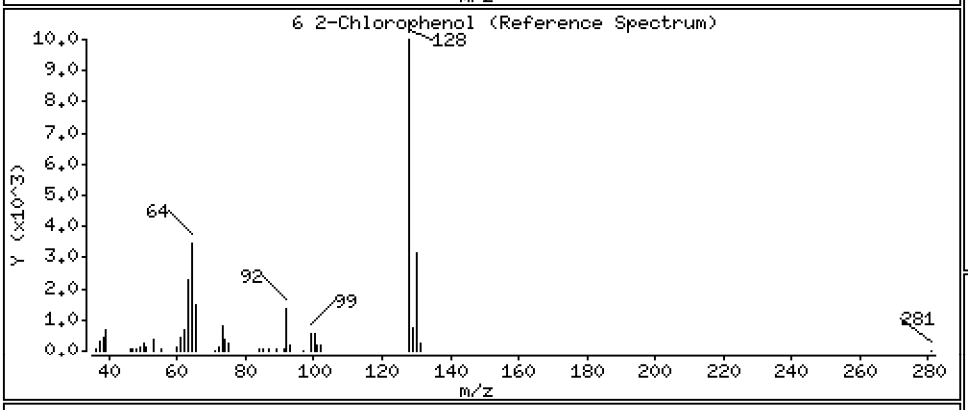
Column diameter: 0.25

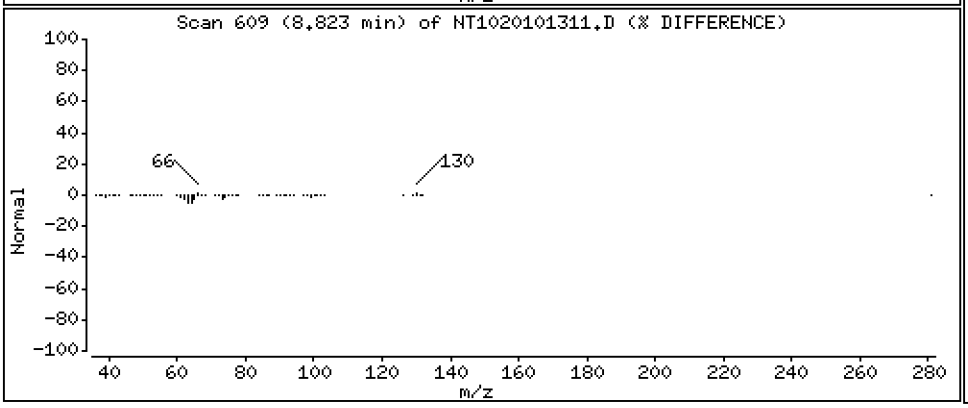
6 2-Chlorophenol

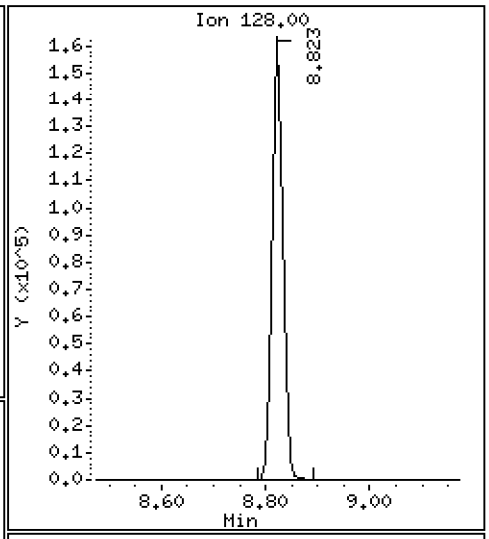
Concentration: 4.921 ug/mL

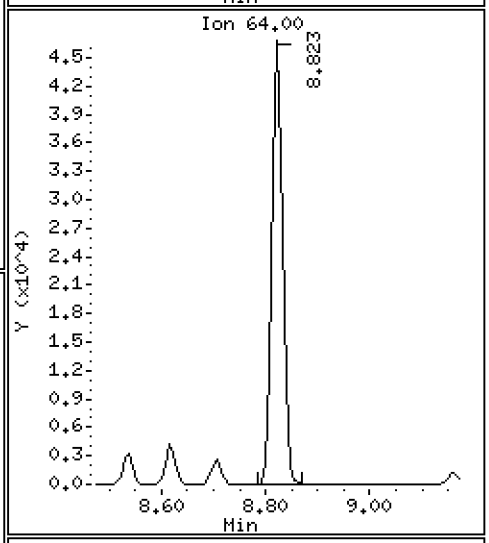


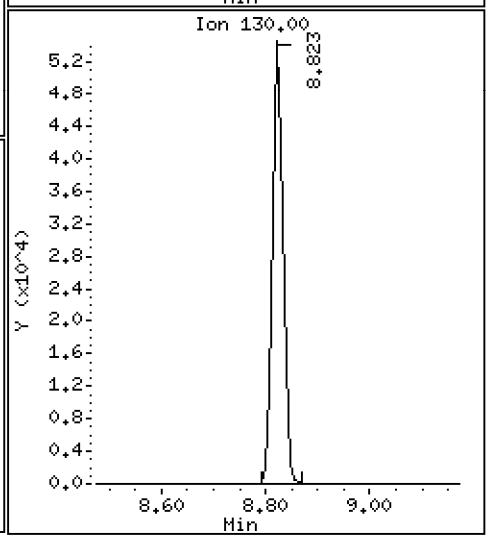












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

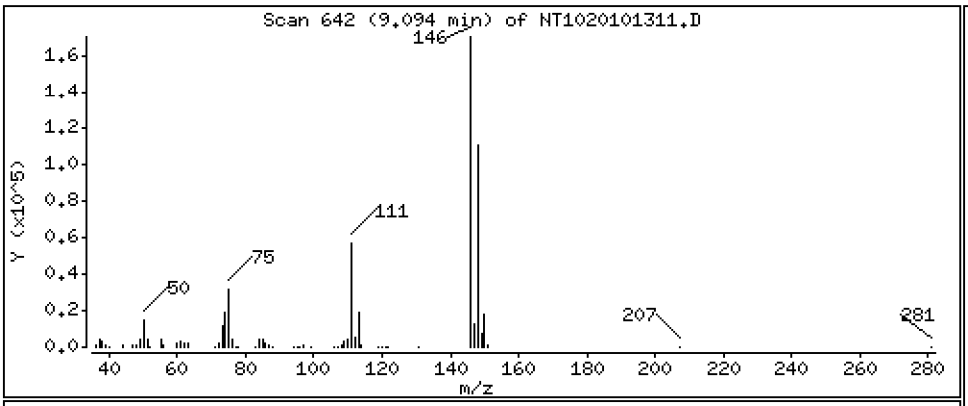
Operator: VTS

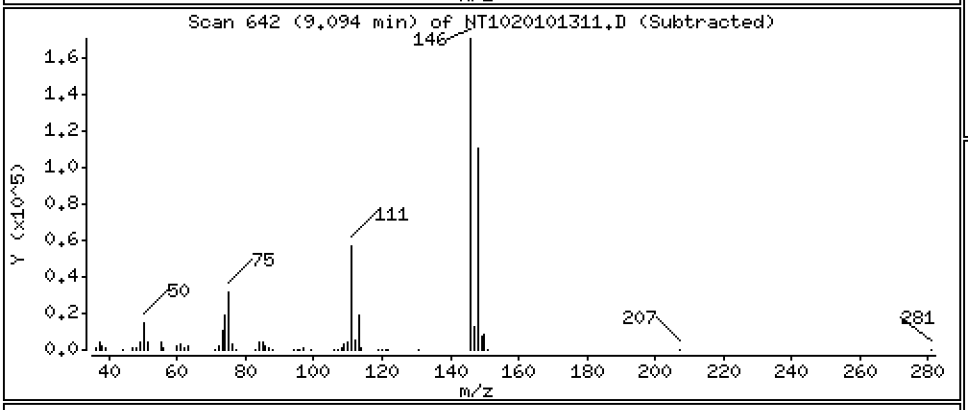
Column phase: ZB-5msi

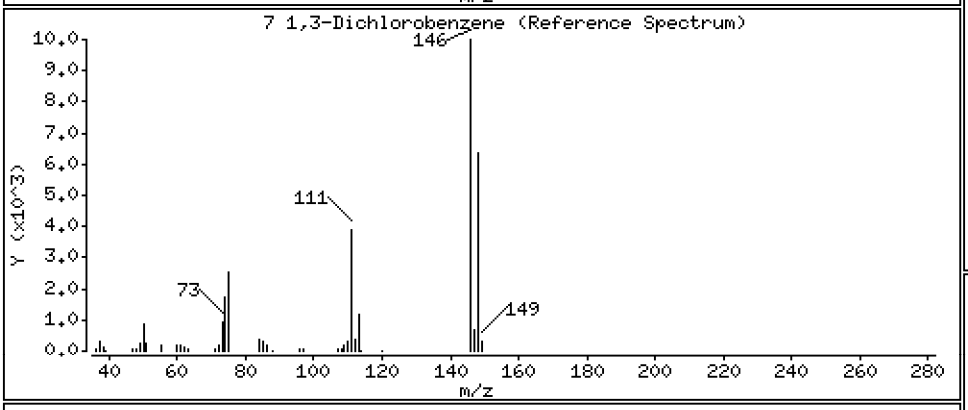
Column diameter: 0.25

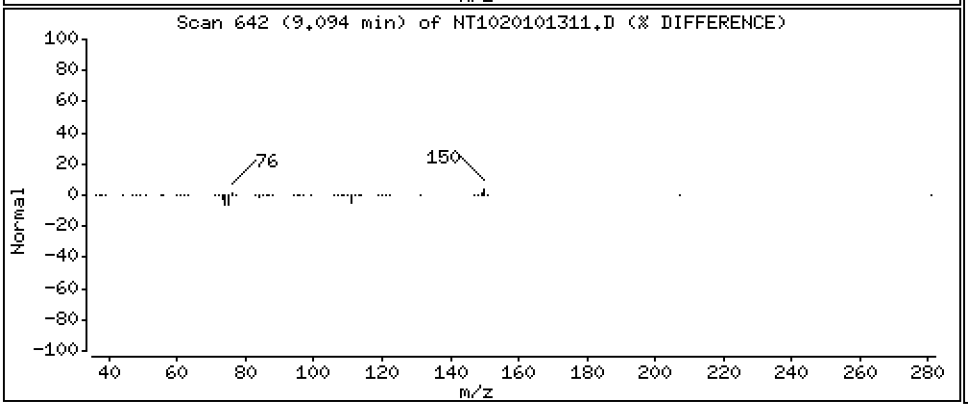
7 1,3-Dichlorobenzene

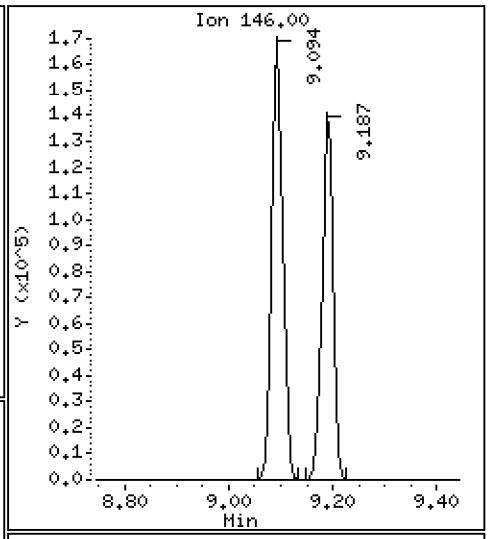
Concentration: 4.579 ug/mL

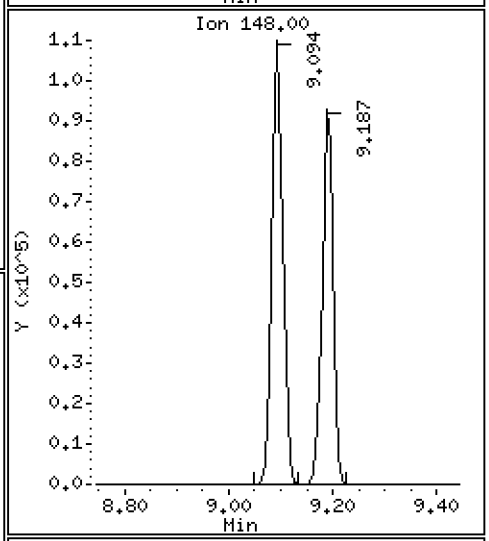


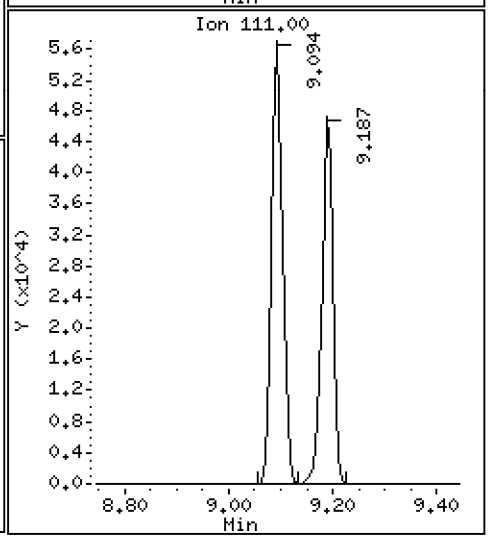












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

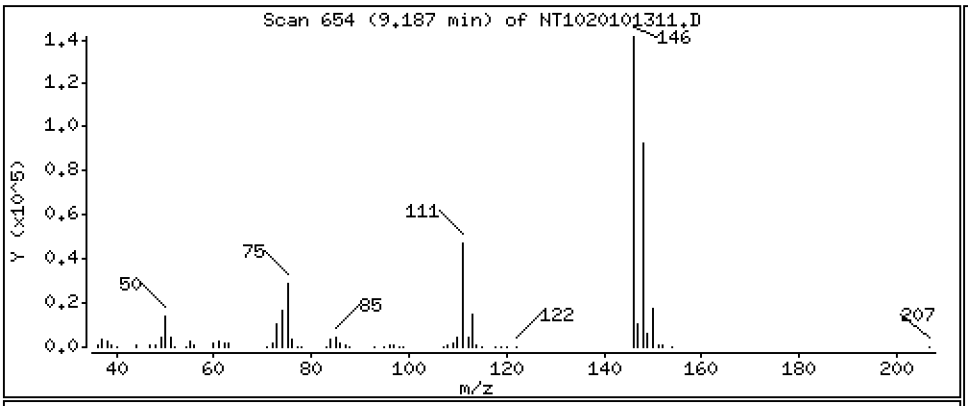
Operator: VTS

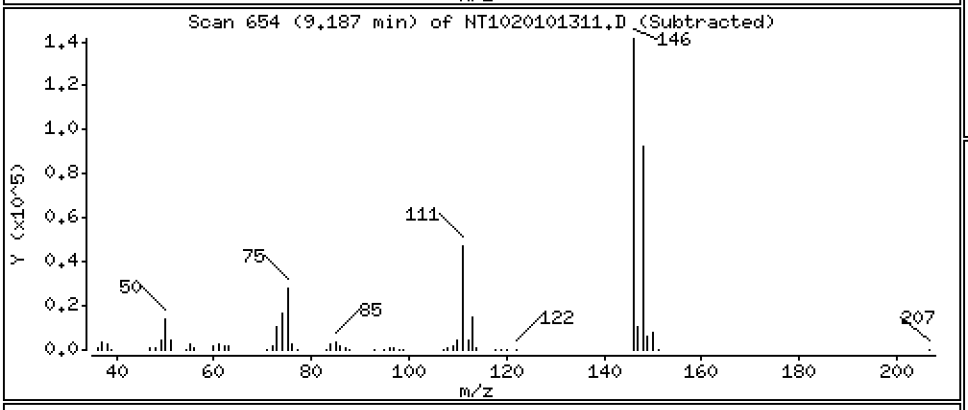
Column phase: ZB-5msi

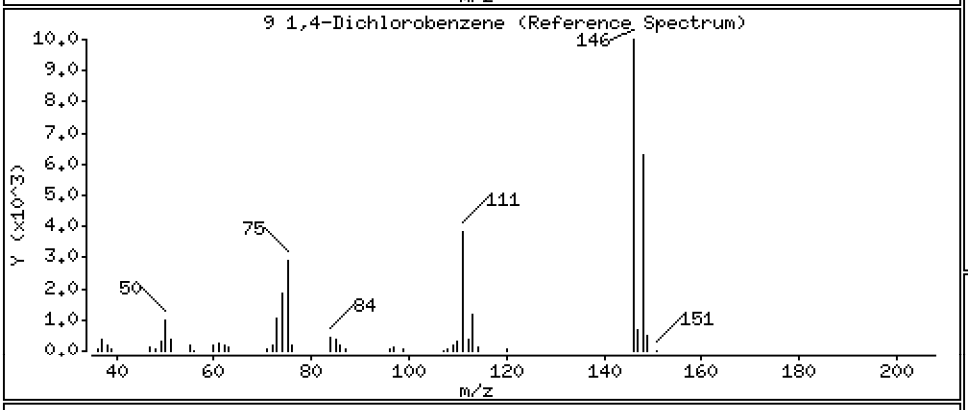
Column diameter: 0.25

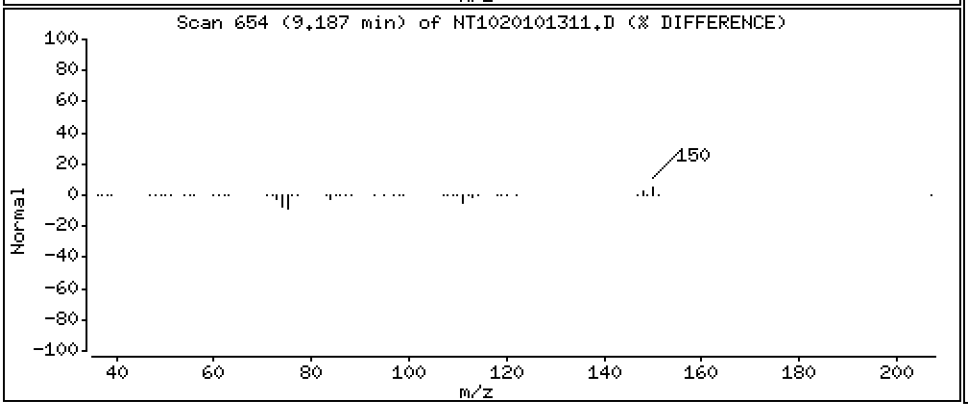
9 1,4-Dichlorobenzene

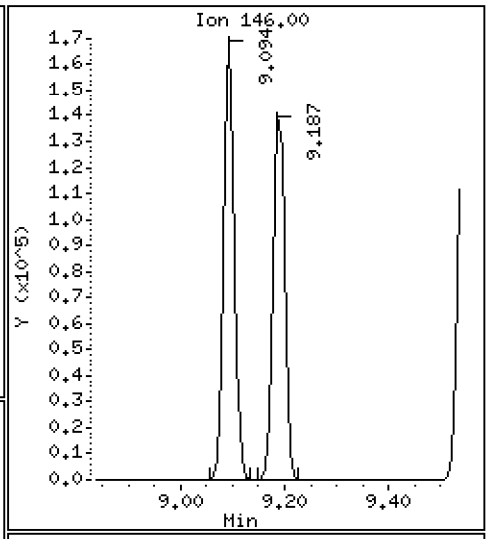
Concentration: 4.559 ug/mL

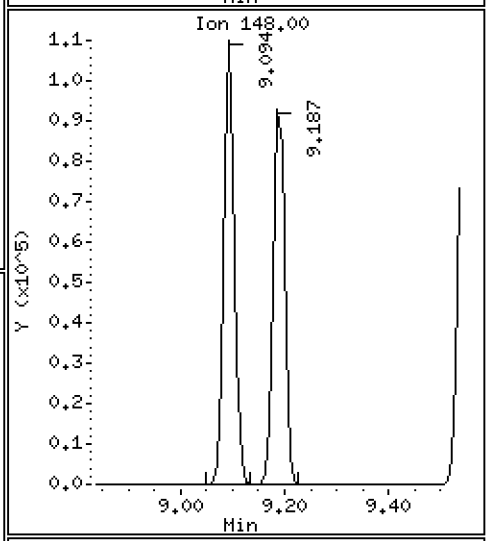


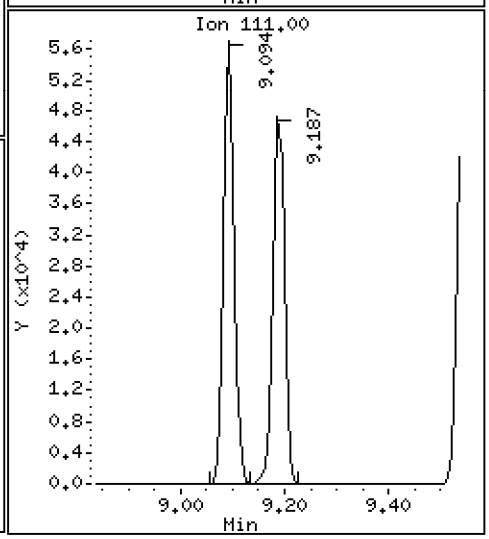












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

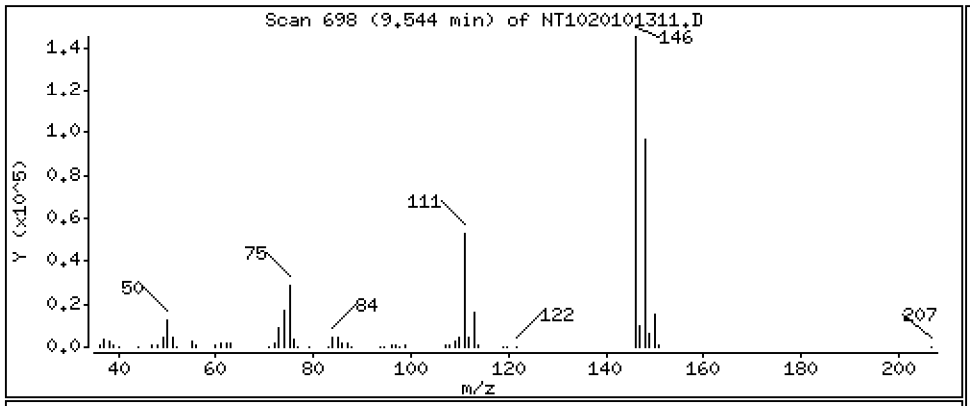
Operator: VTS

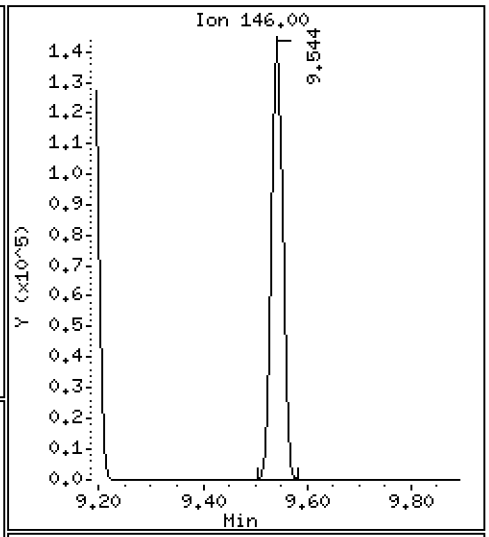
Column phase: ZB-5msi

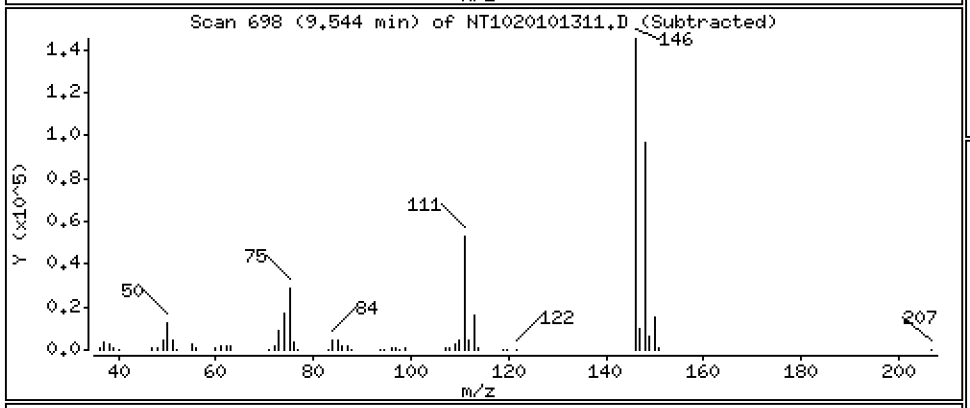
Column diameter: 0.25

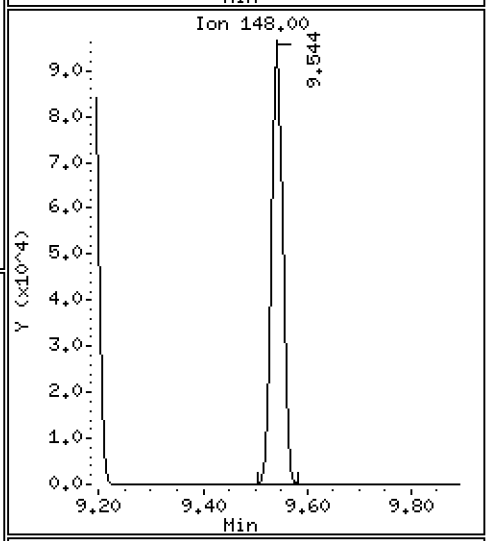
12 1,2-Dichlorobenzene

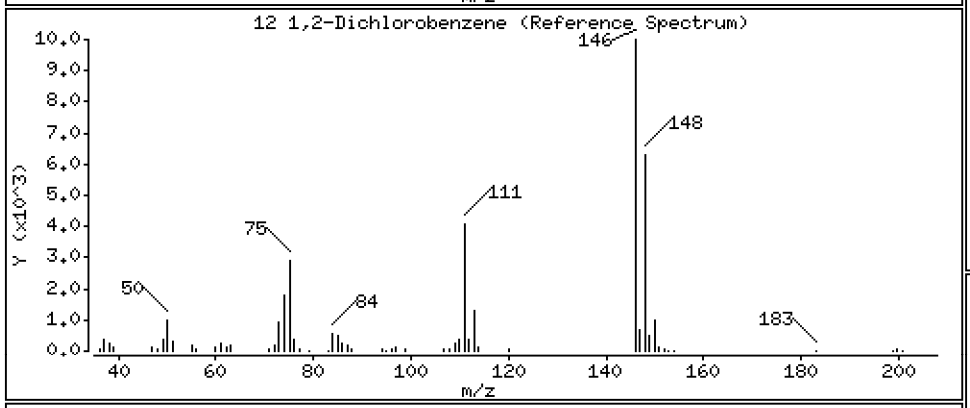
Concentration: 4.335 ug/mL

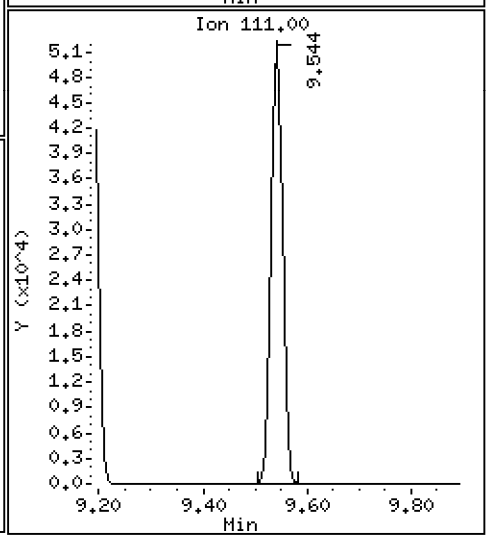


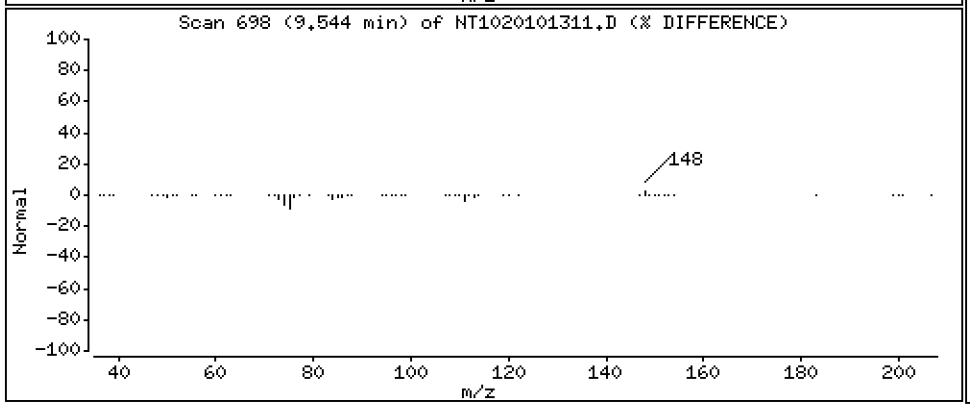












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

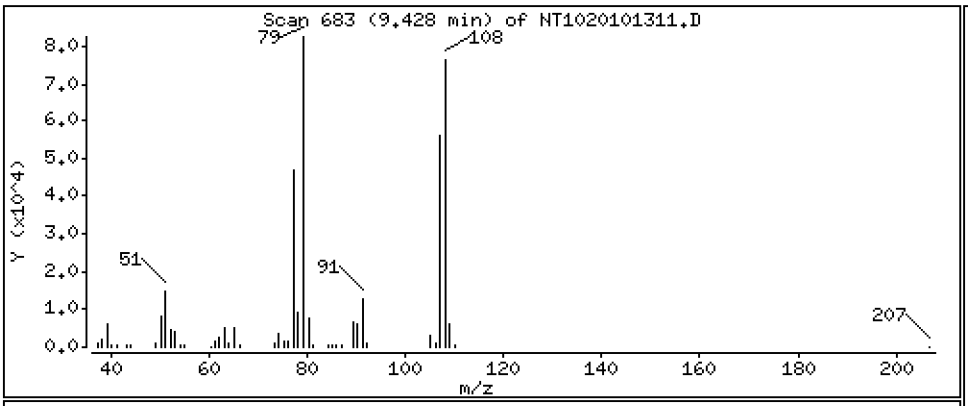
Operator: VTS

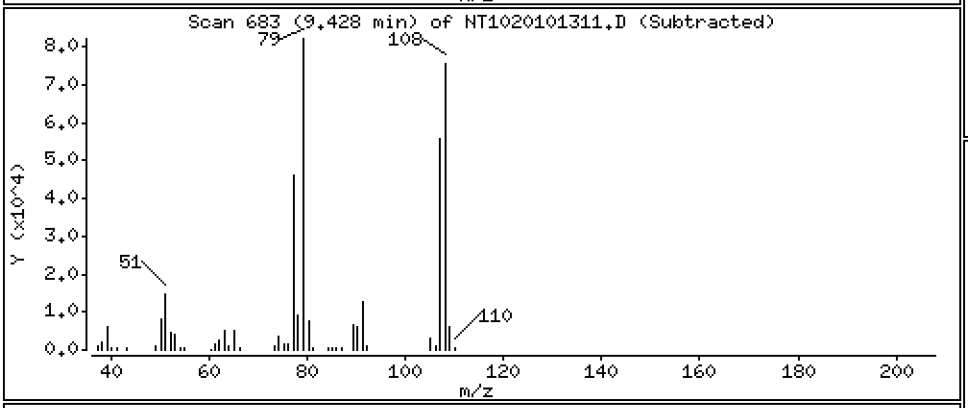
Column phase: ZB-5msi

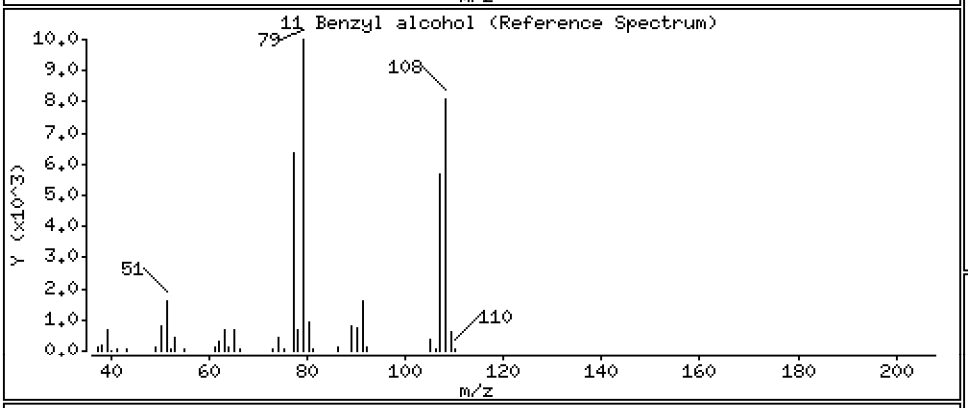
Column diameter: 0.25

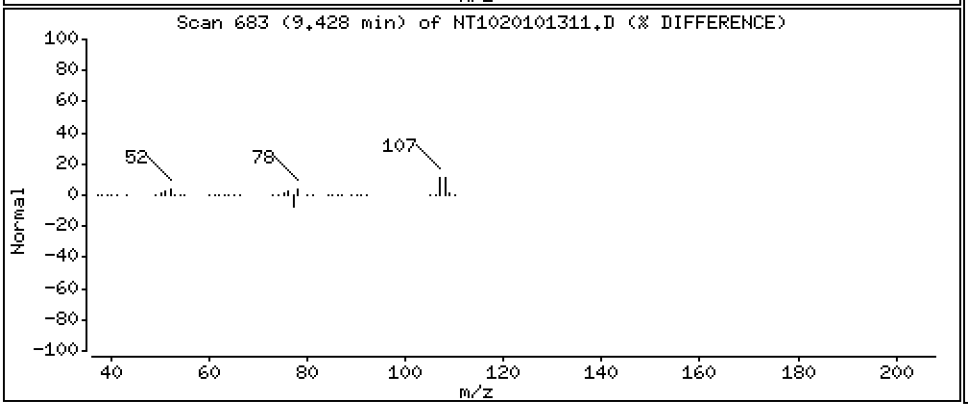
11 Benzyl alcohol

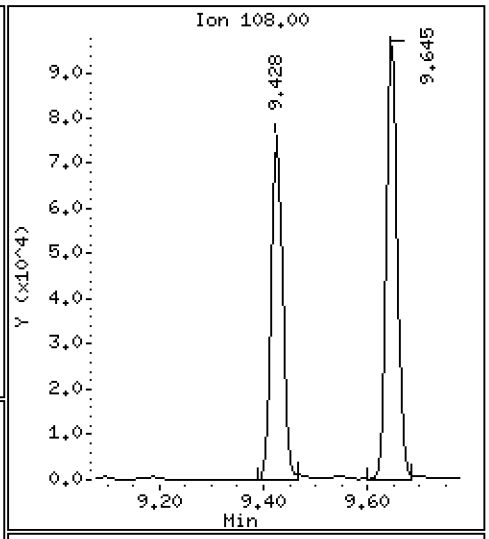
Concentration: 4.424 ug/mL

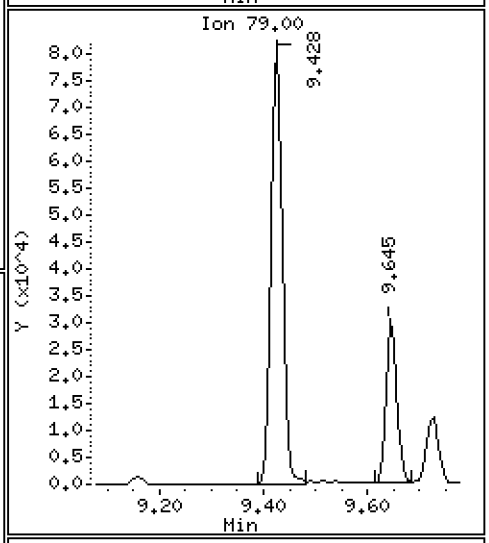


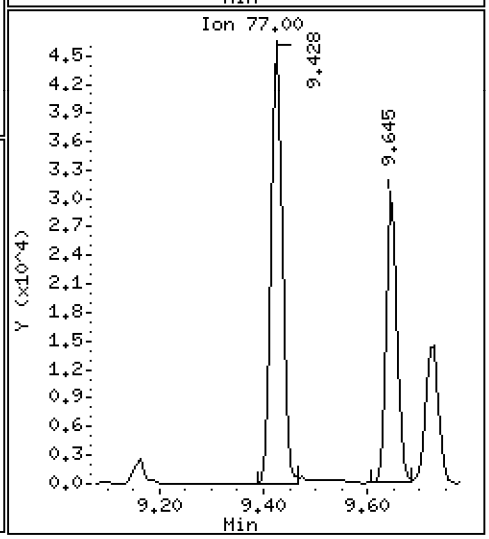












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

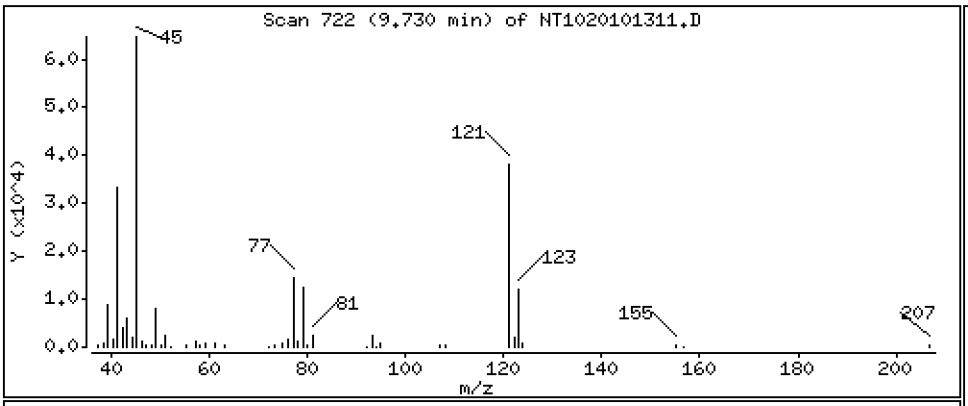
Operator: VTS

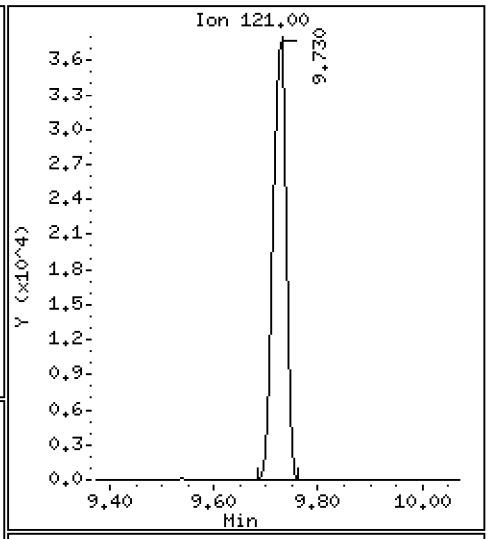
Column phase: ZB-5msi

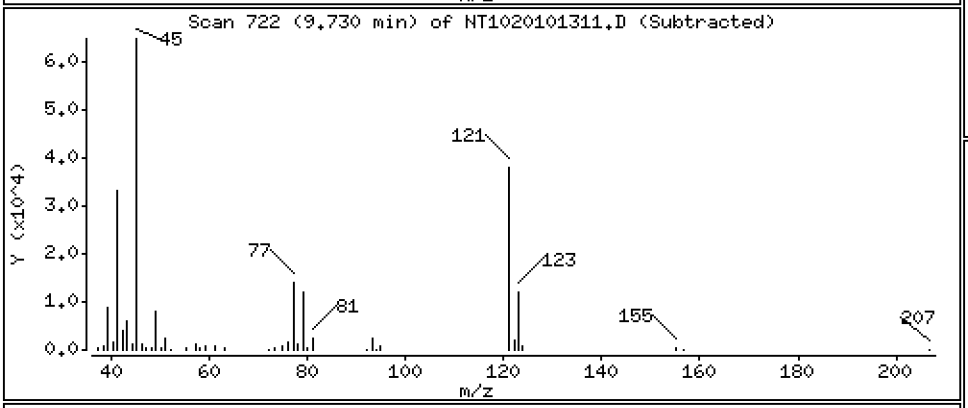
Column diameter: 0.25

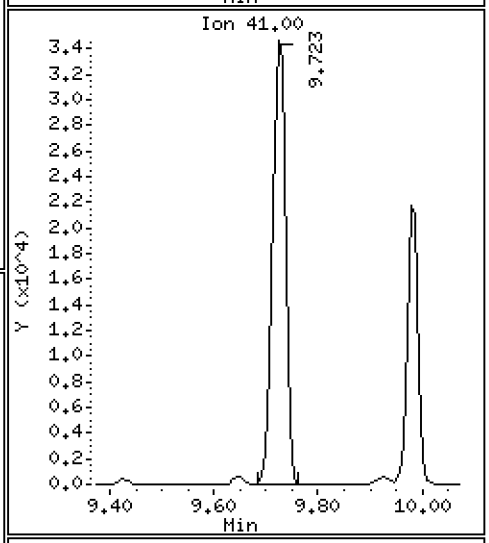
14 2,2'-oxybis(1-Chloropropane)

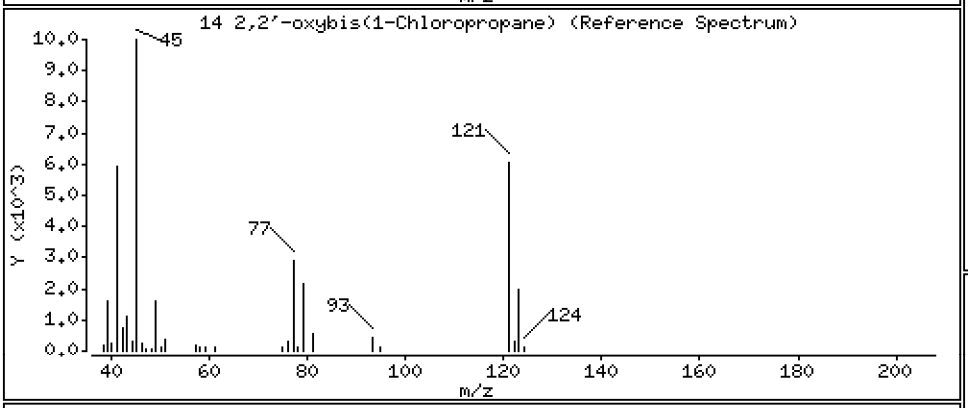
Concentration: 4.440 ug/mL

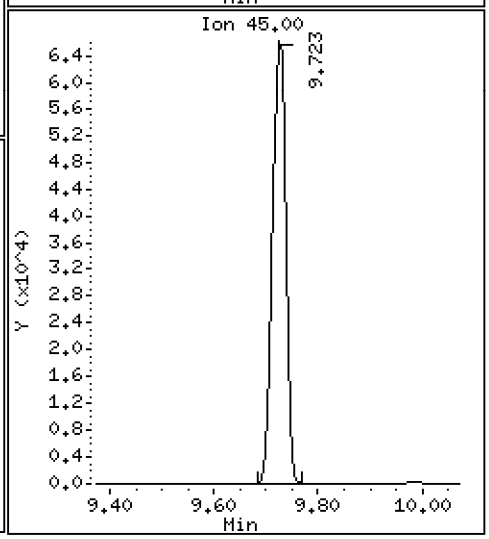


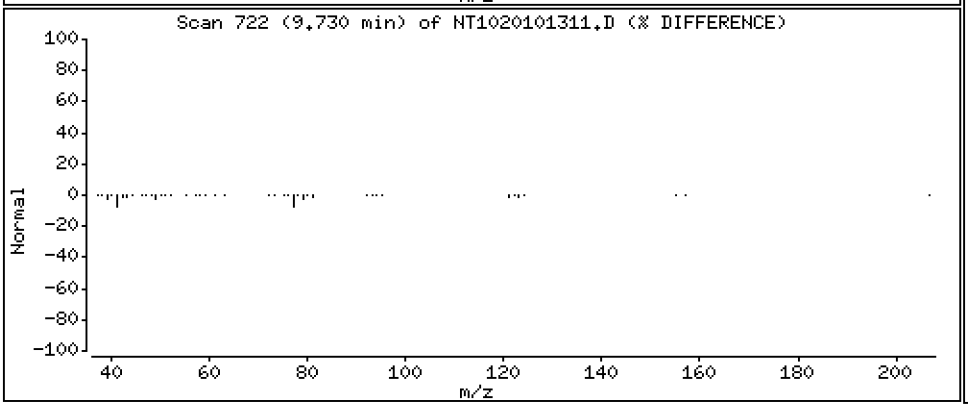












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

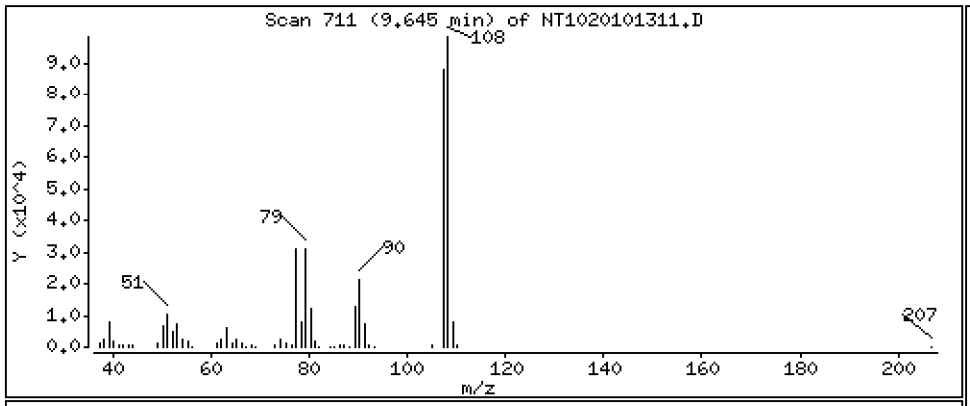
Operator: VTS

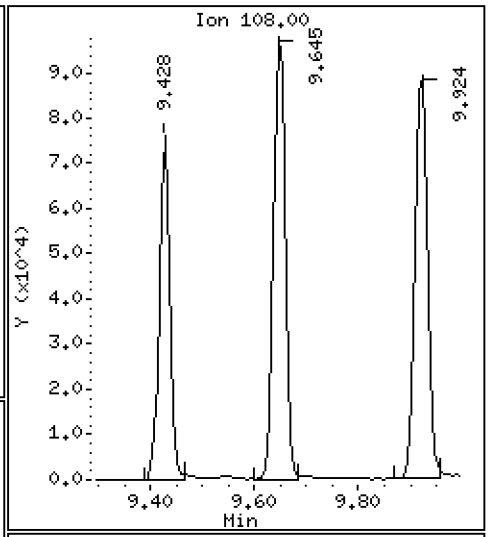
Column phase: ZB-5msi

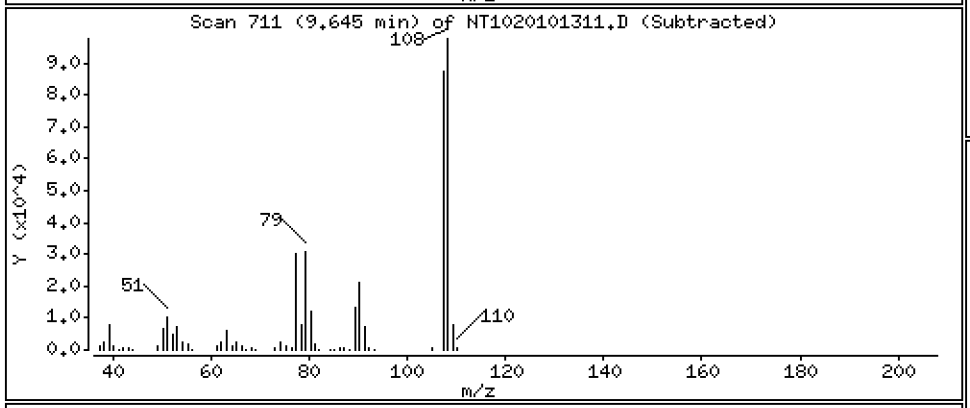
Column diameter: 0.25

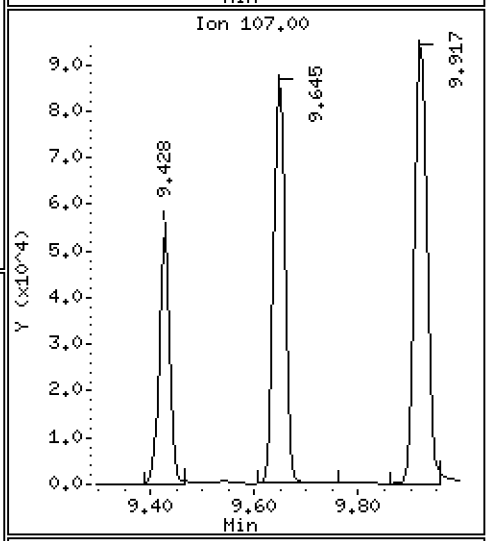
13 2-Methylphenol

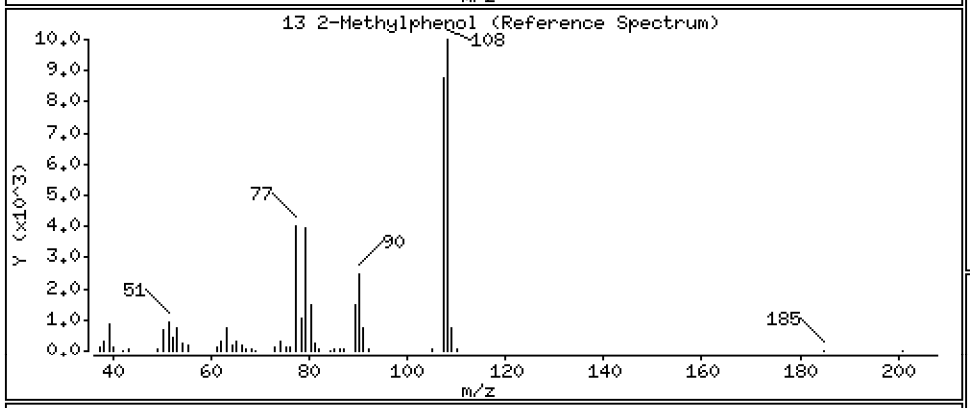
Concentration: 4.572 ug/mL

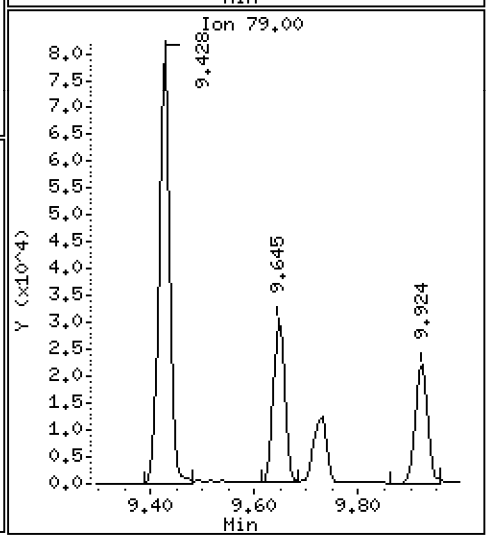


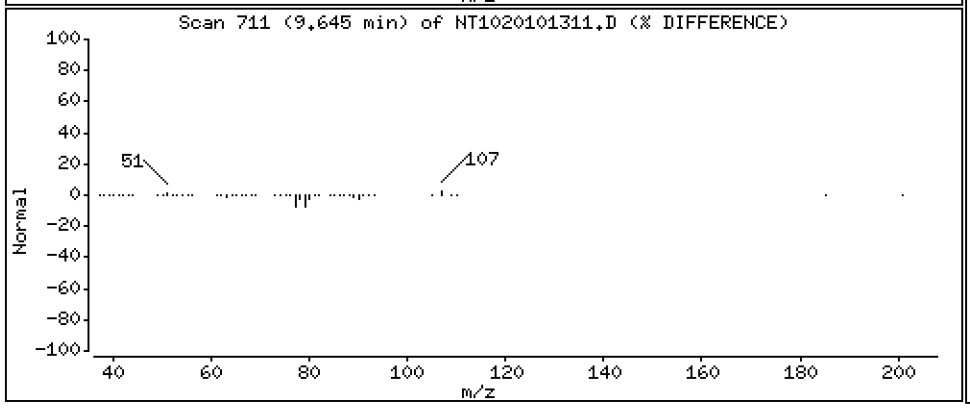












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

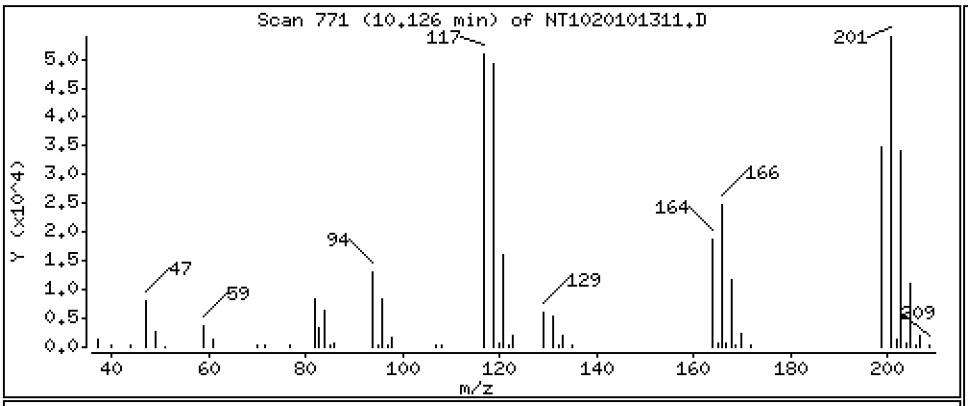
Operator: VTS

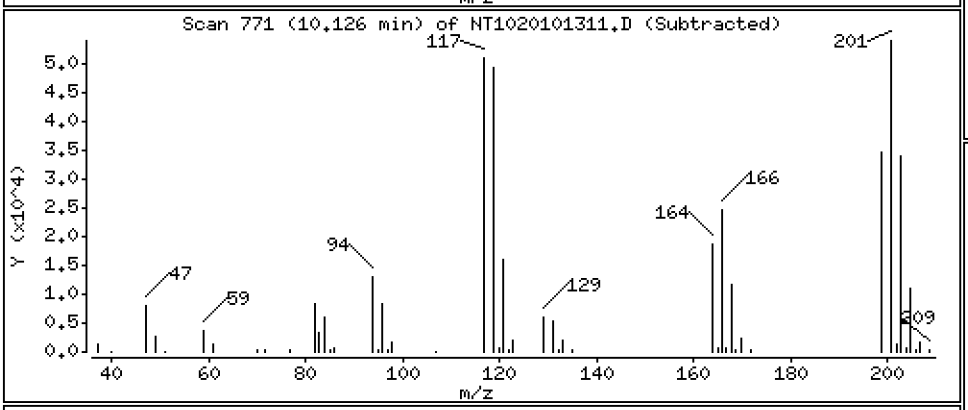
Column phase: ZB-5msi

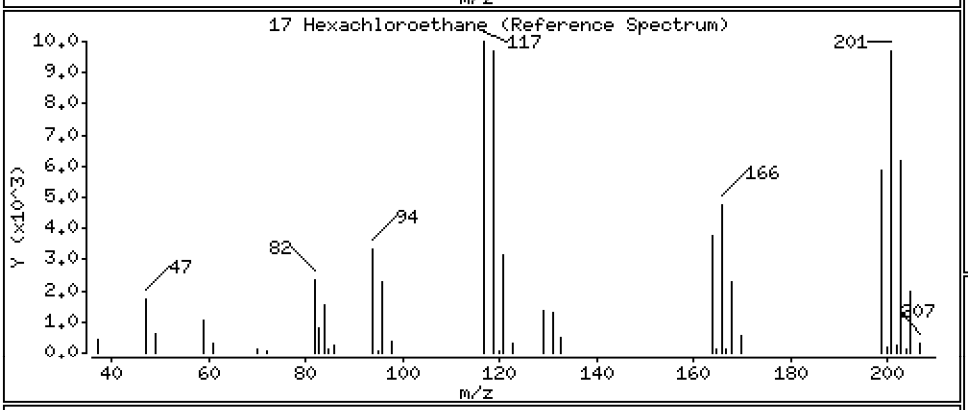
Column diameter: 0.25

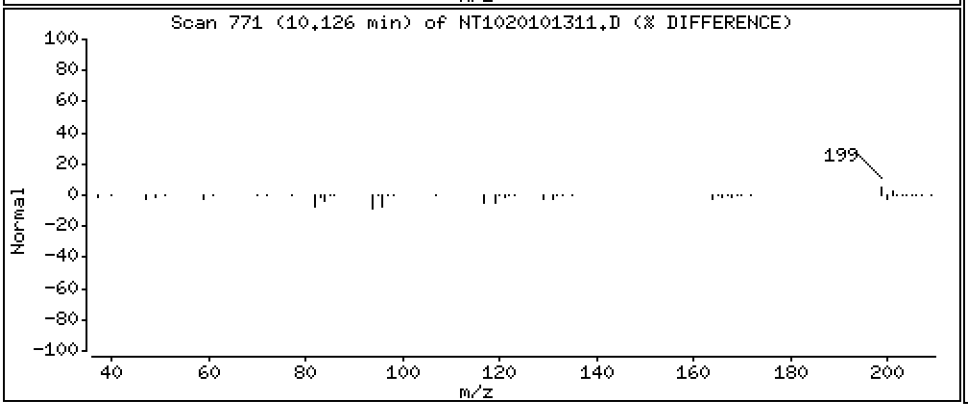
17 Hexachloroethane

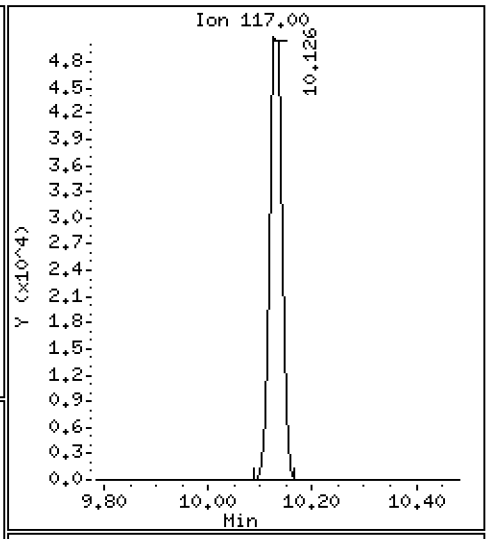
Concentration: 4.538 ug/mL

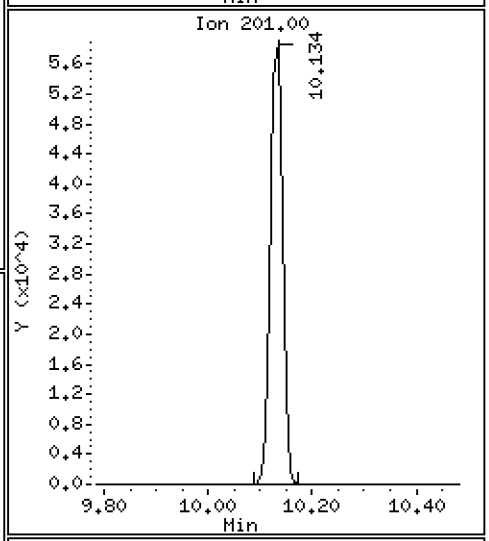


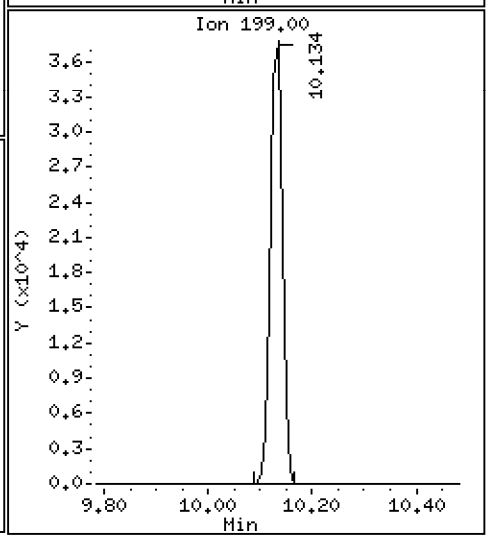












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

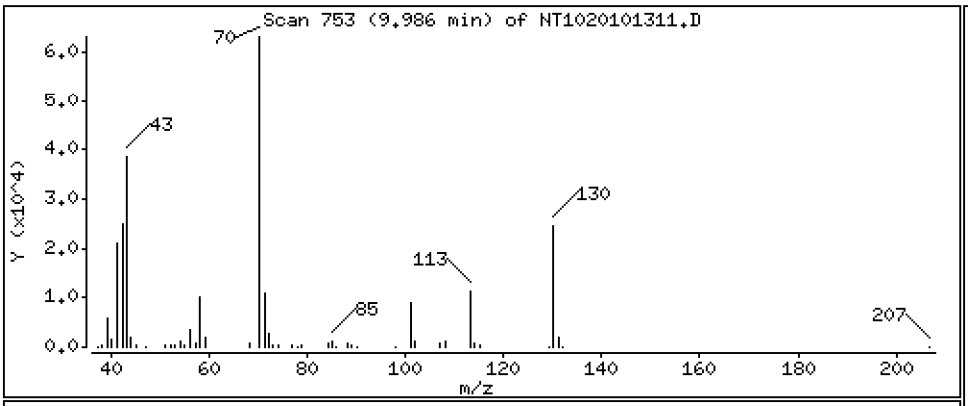
Operator: VTS

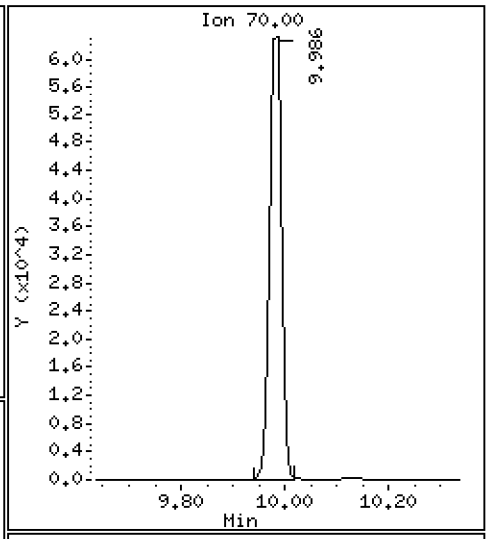
Column phase: ZB-5msi

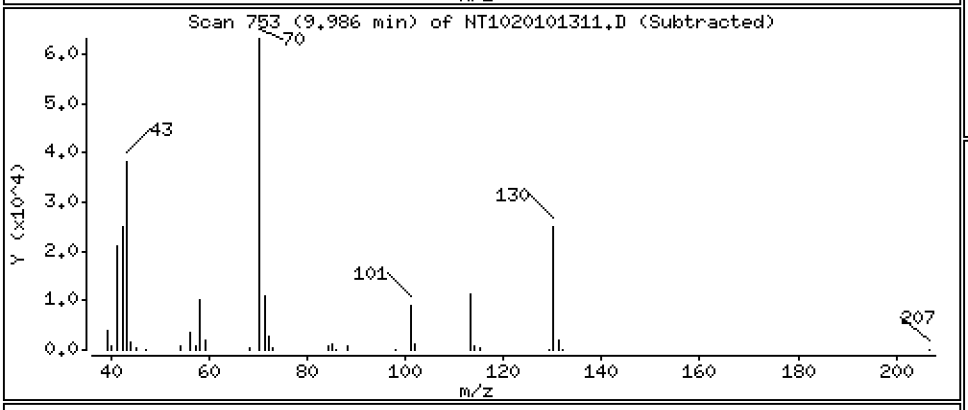
Column diameter: 0.25

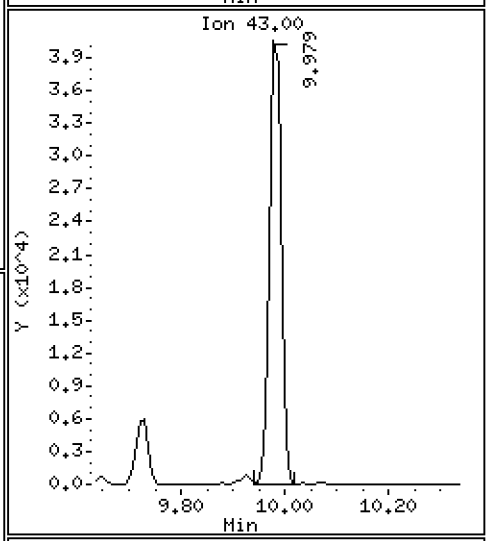
16 N-Nitroso-di-n-propylamine

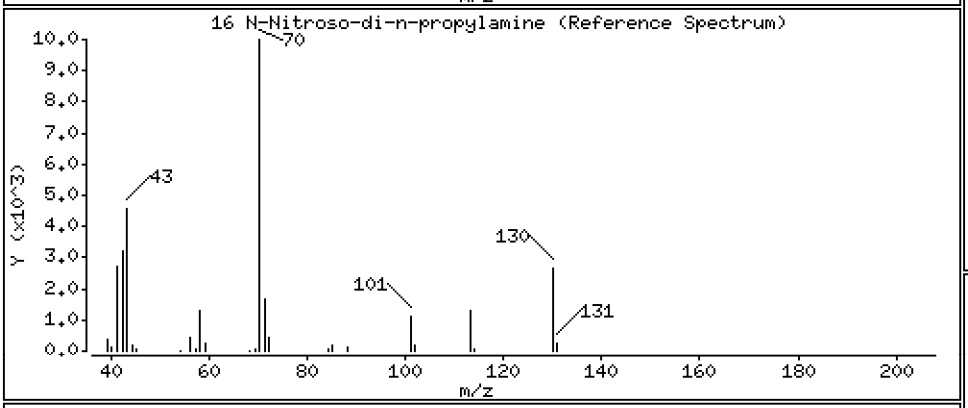
Concentration: 4.710 ug/mL

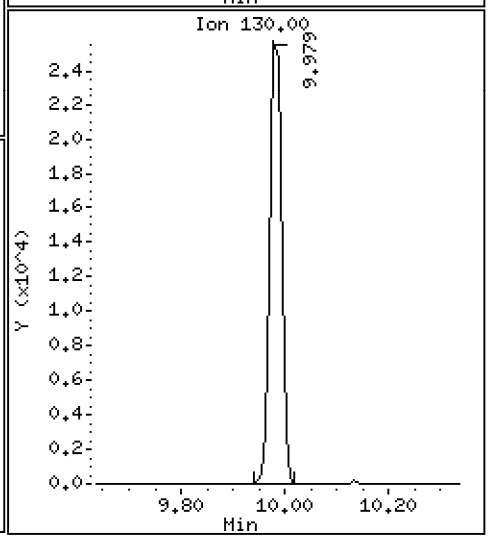


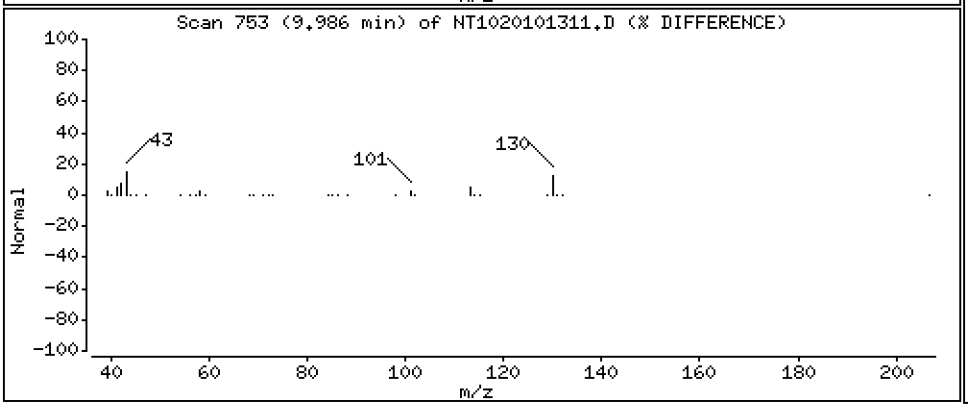












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

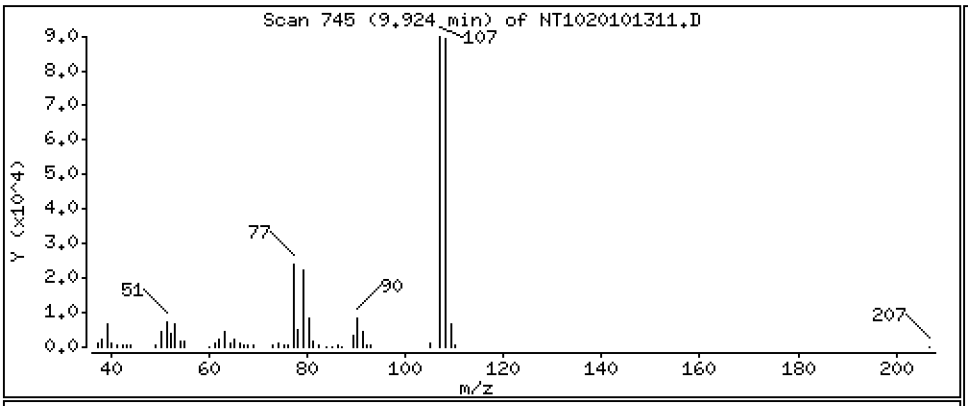
Operator: VTS

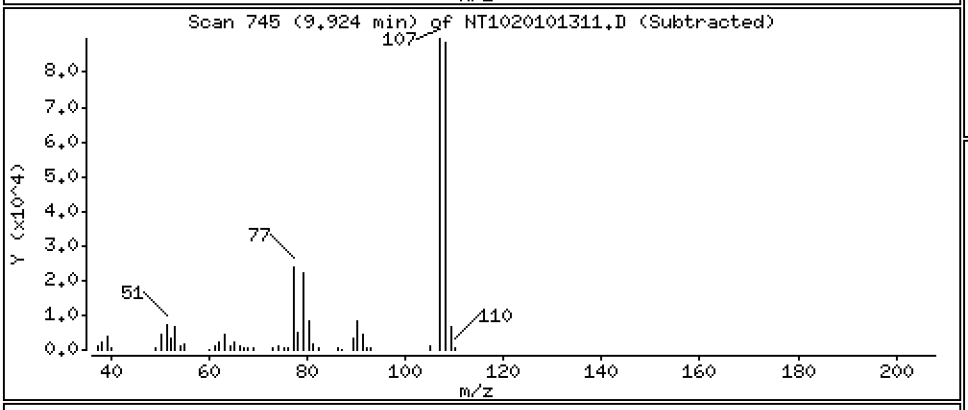
Column phase: ZB-5msi

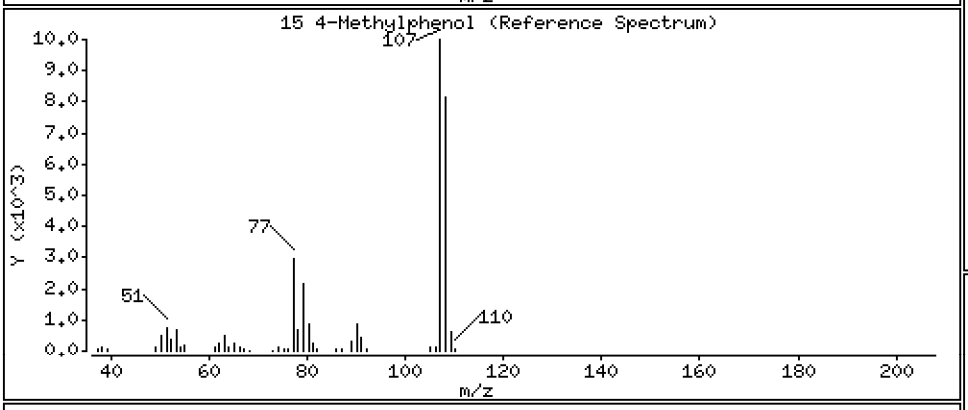
Column diameter: 0.25

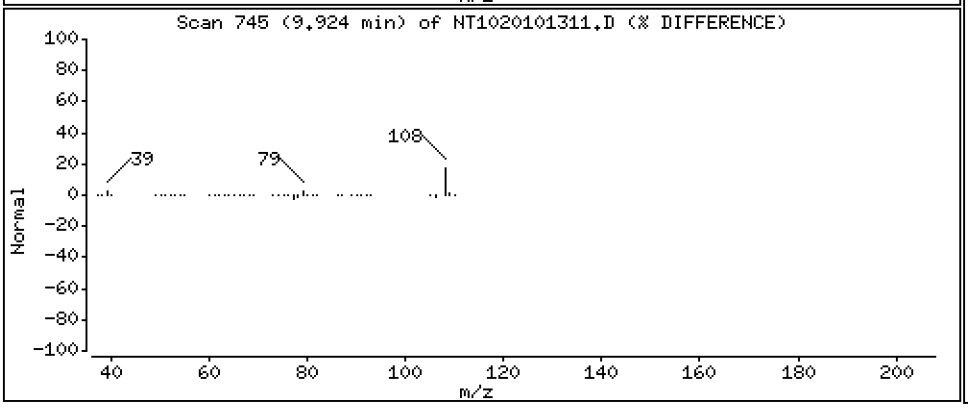
15 4-Methylphenol

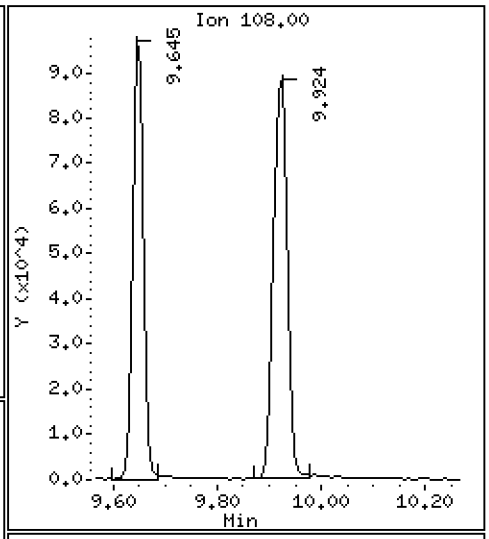
Concentration: 4.727 ug/mL

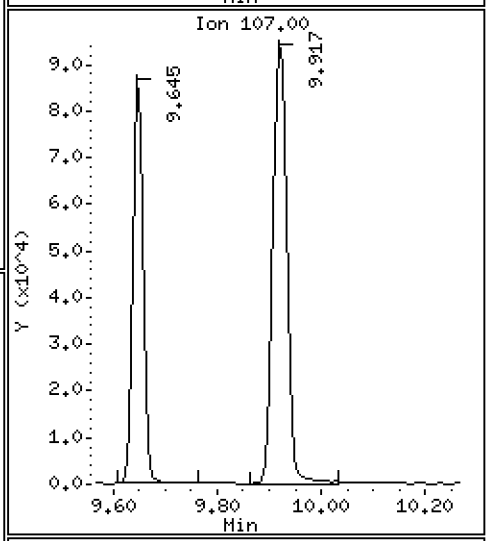


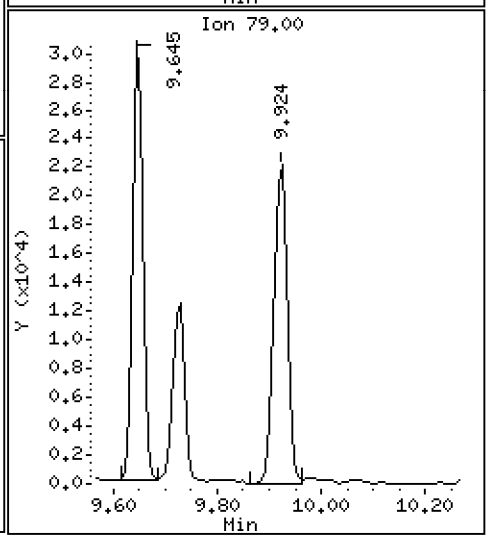












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

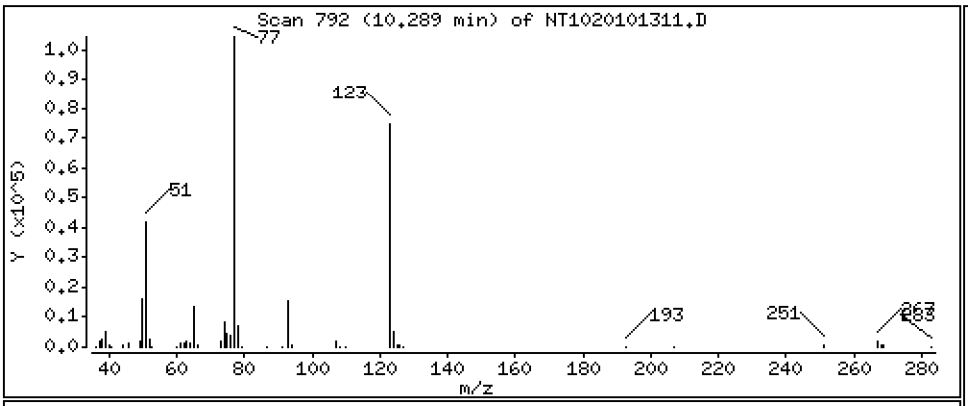
Operator: VTS

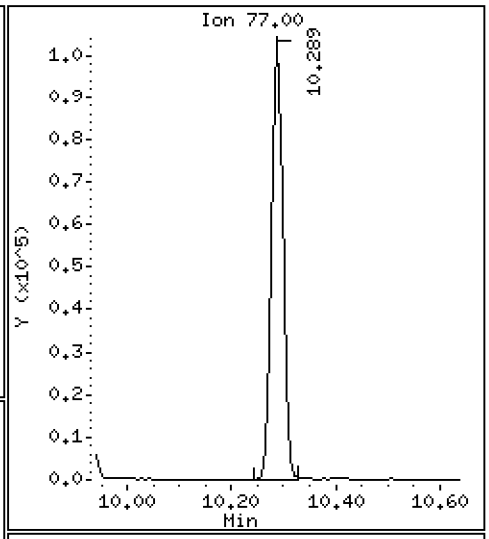
Column phase: ZB-5msi

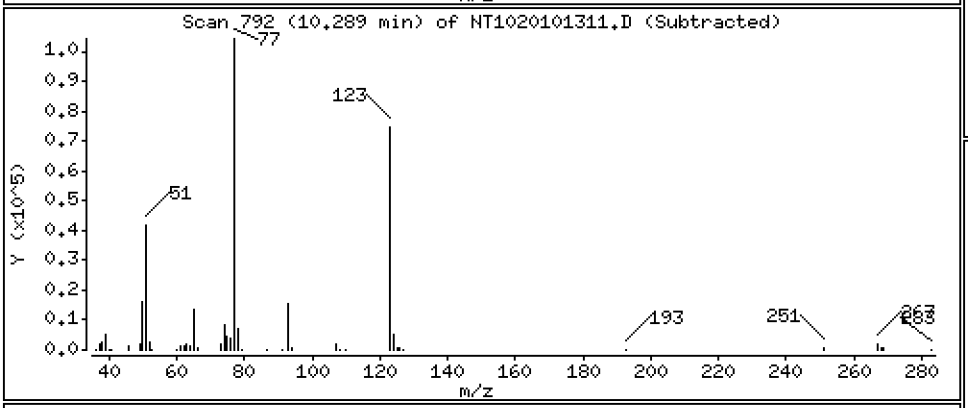
Column diameter: 0.25

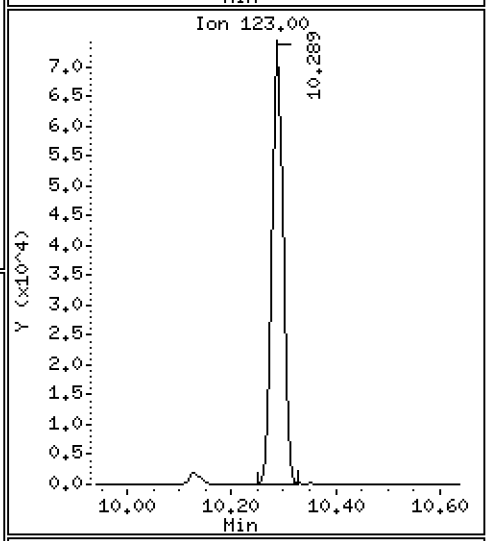
19 Nitrobenzene

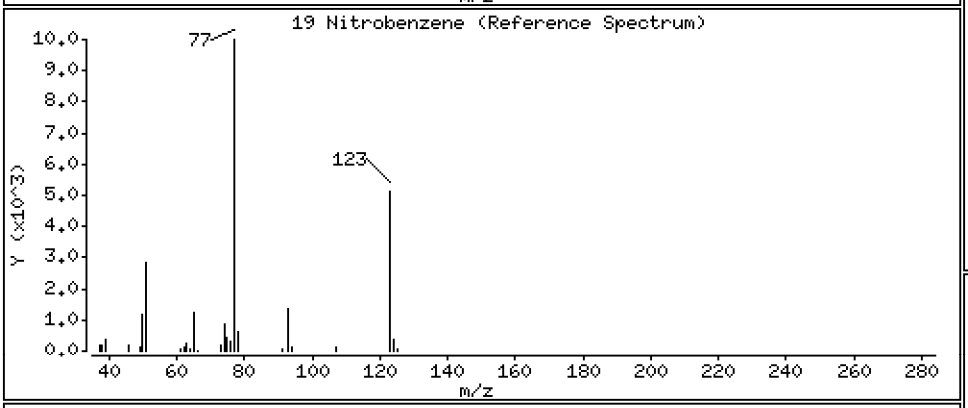
Concentration: 4.500 ug/mL

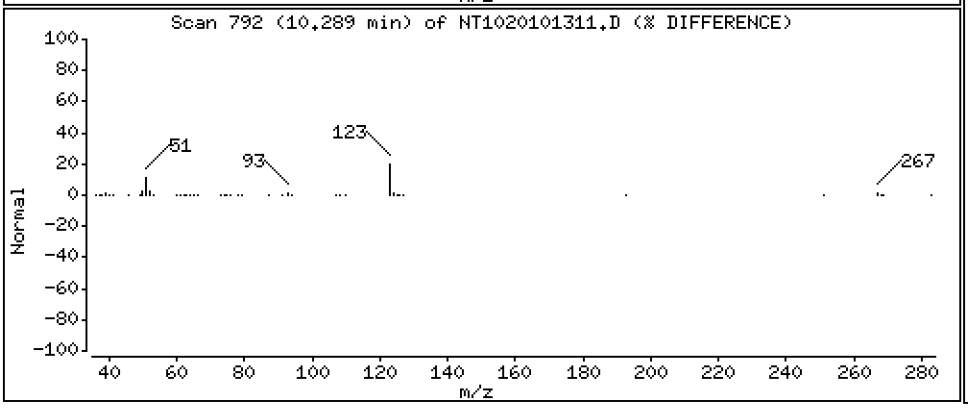


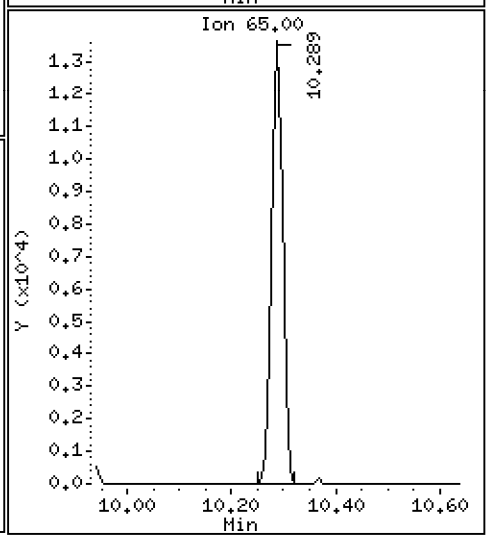












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

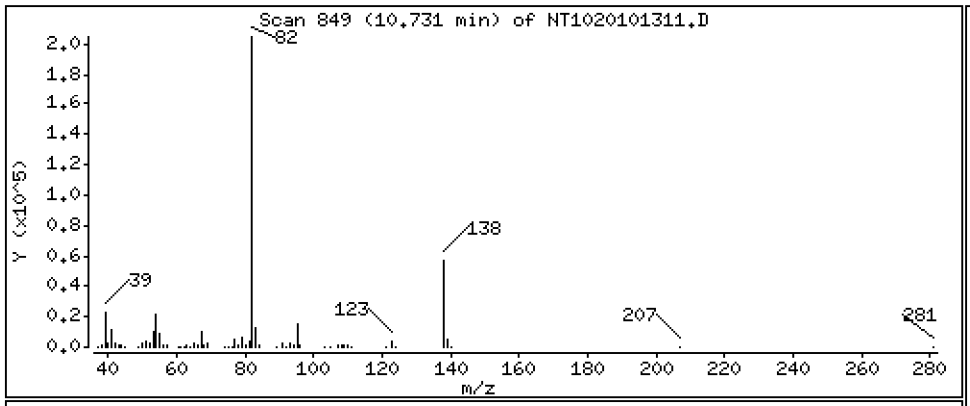
Operator: VTS

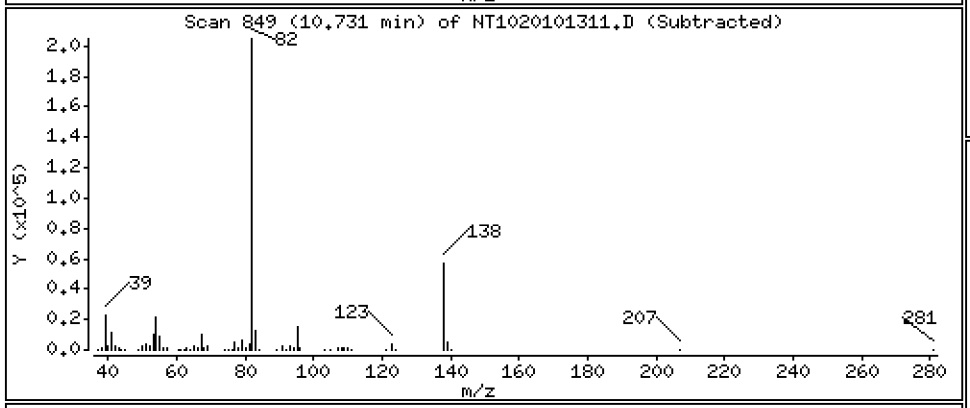
Column phase: ZB-5msi

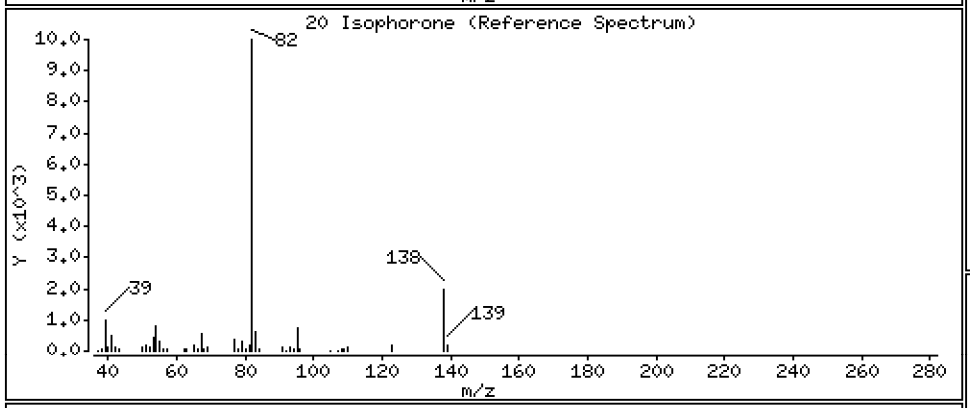
Column diameter: 0.25

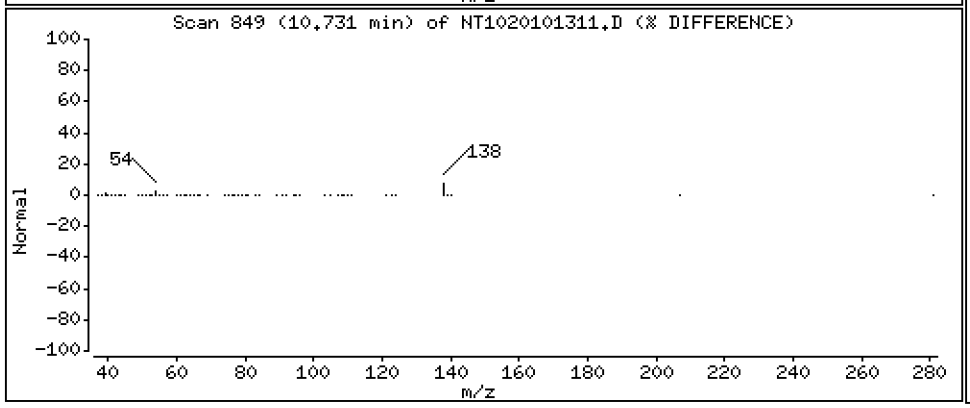
20 Isophorone

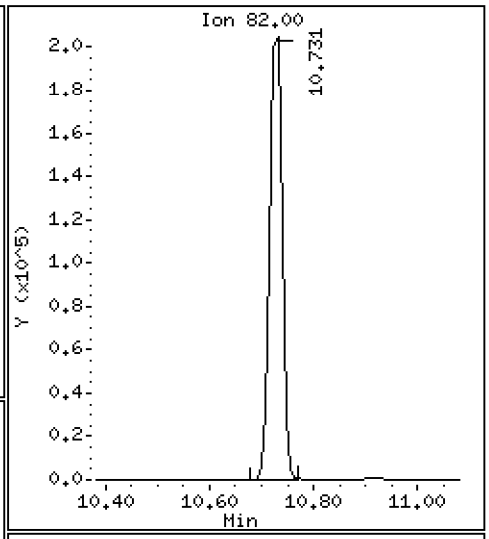
Concentration: 4.759 ug/mL

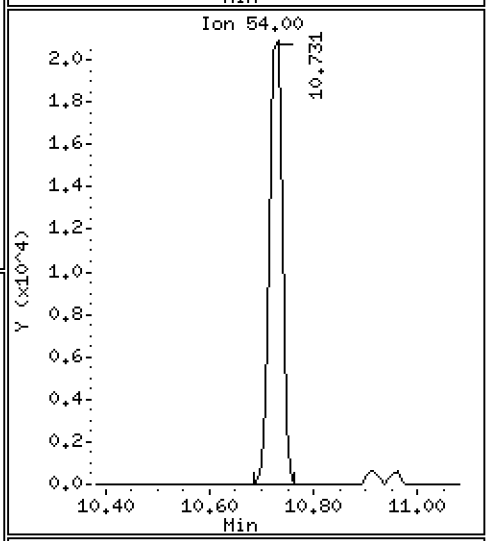


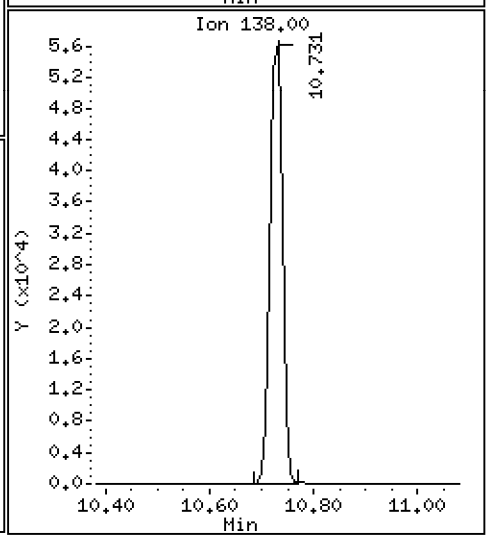












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

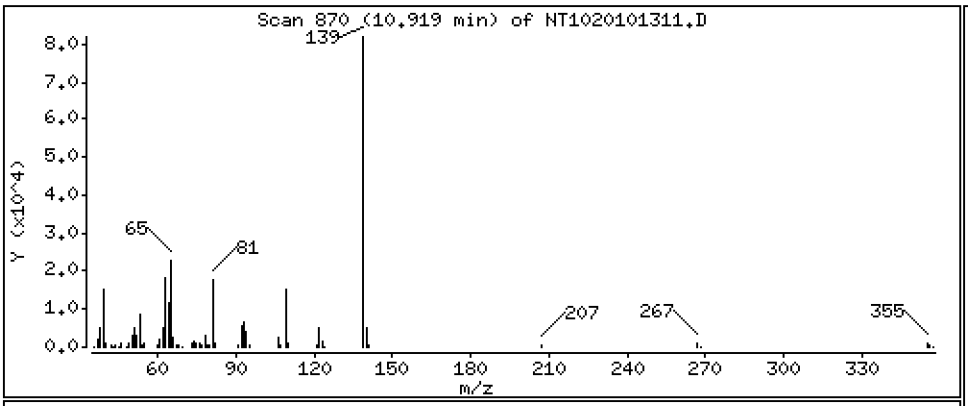
Operator: VTS

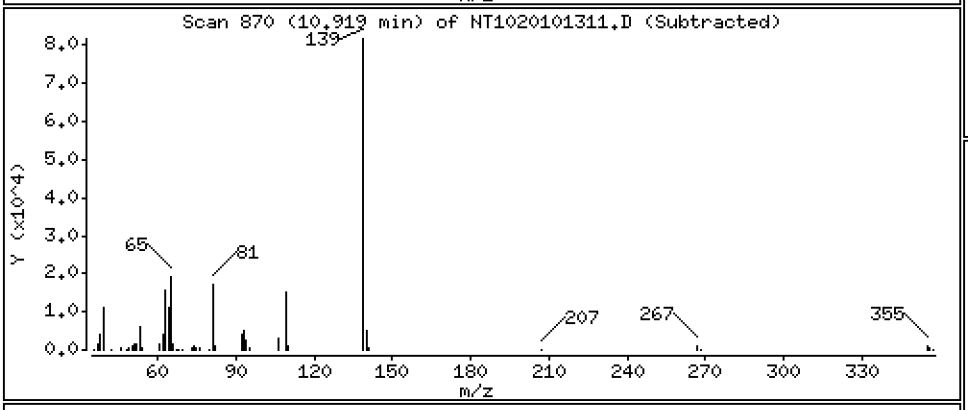
Column phase: ZB-5msi

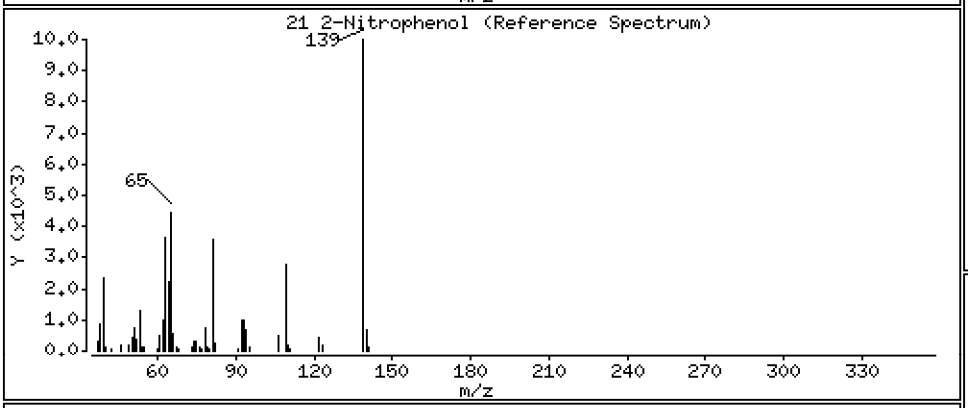
Column diameter: 0.25

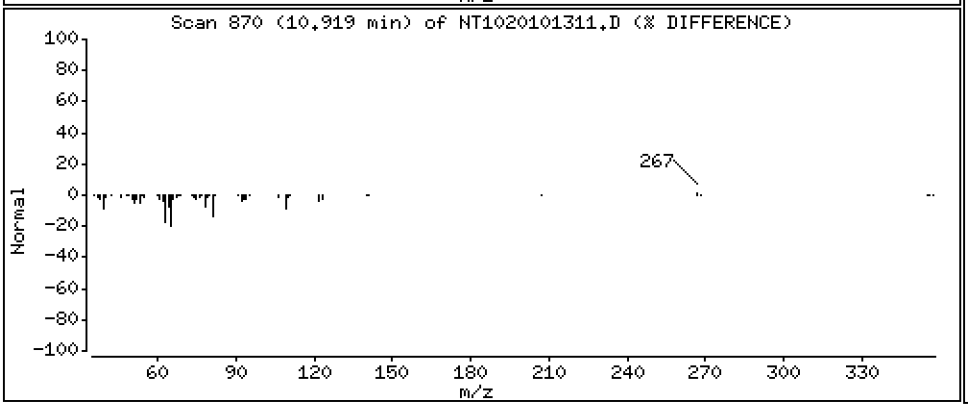
21 2-Nitrophenol

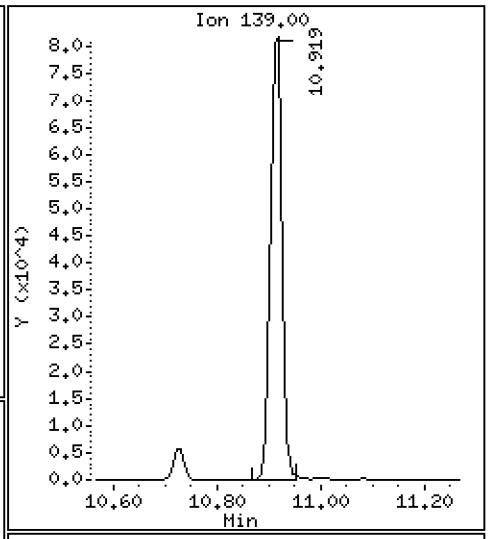
Concentration: 4.967 ug/mL

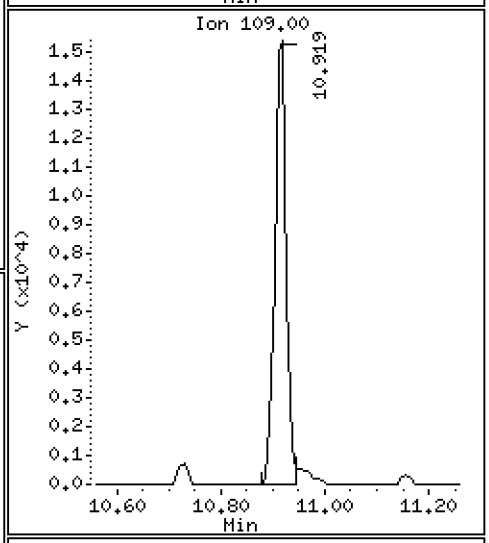


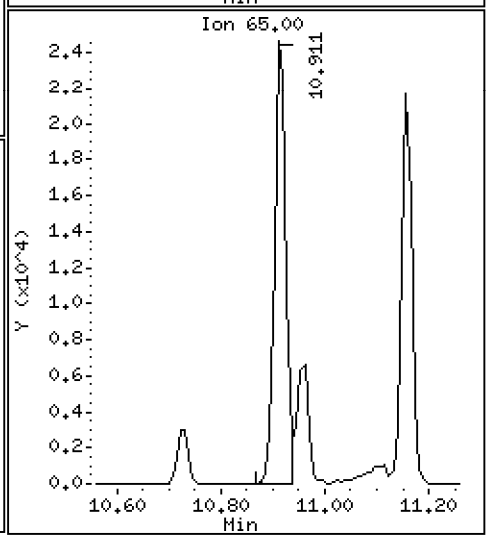












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

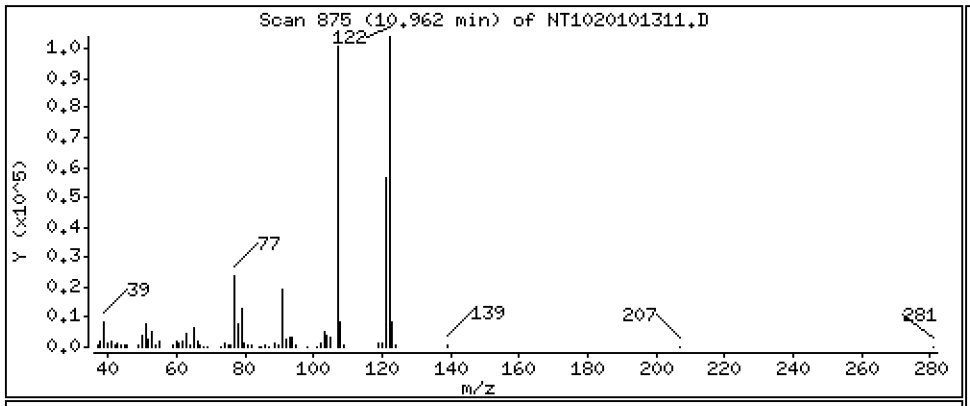
Operator: VTS

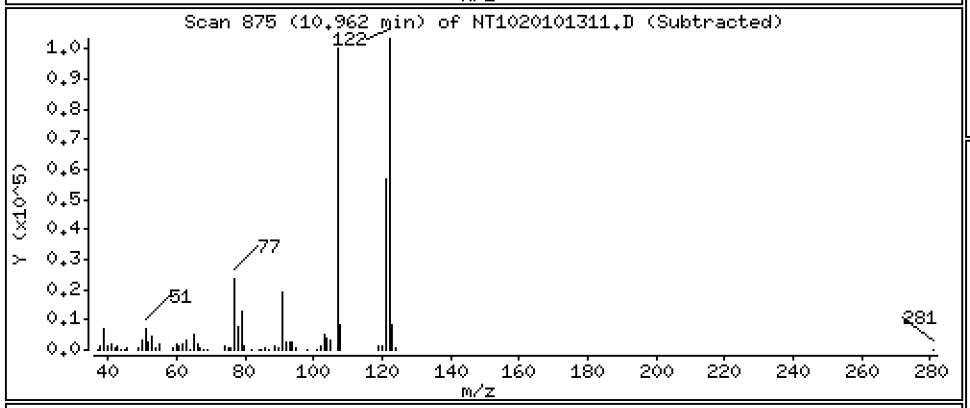
Column phase: ZB-5msi

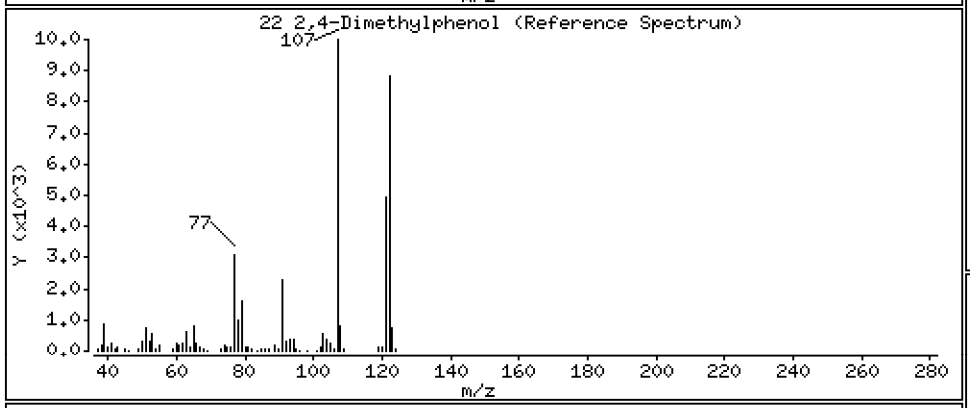
Column diameter: 0.25

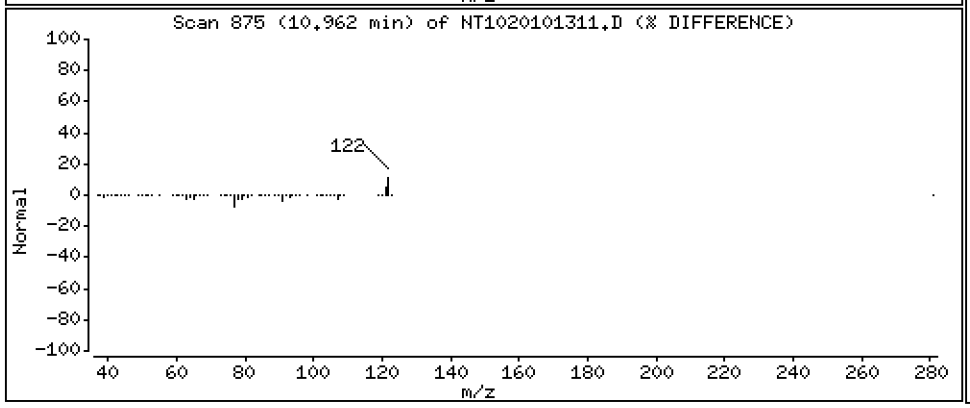
22 2,4-Dimethylphenol

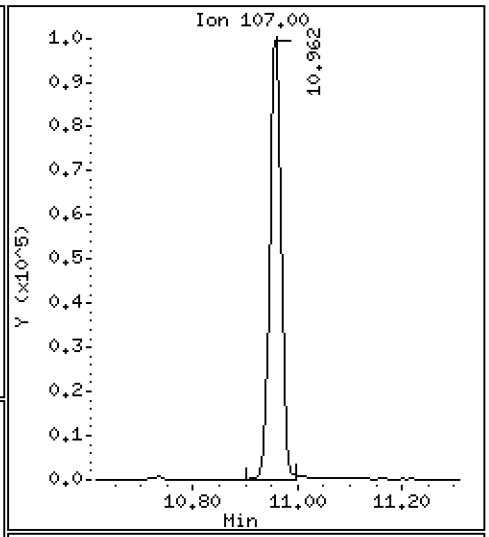
Concentration: 4.636 ug/mL

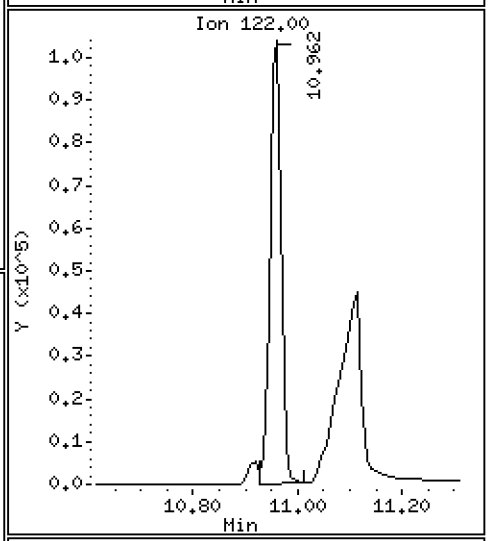


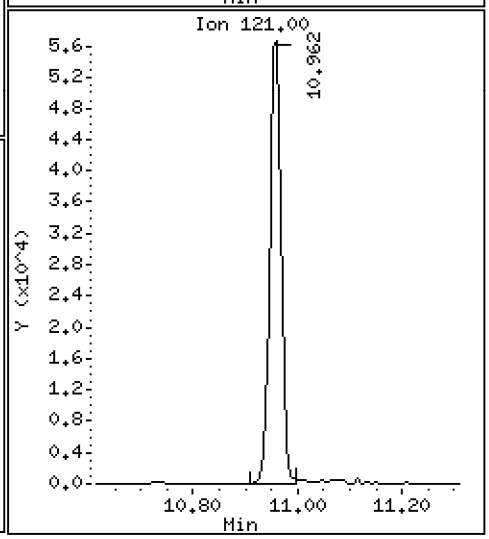












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

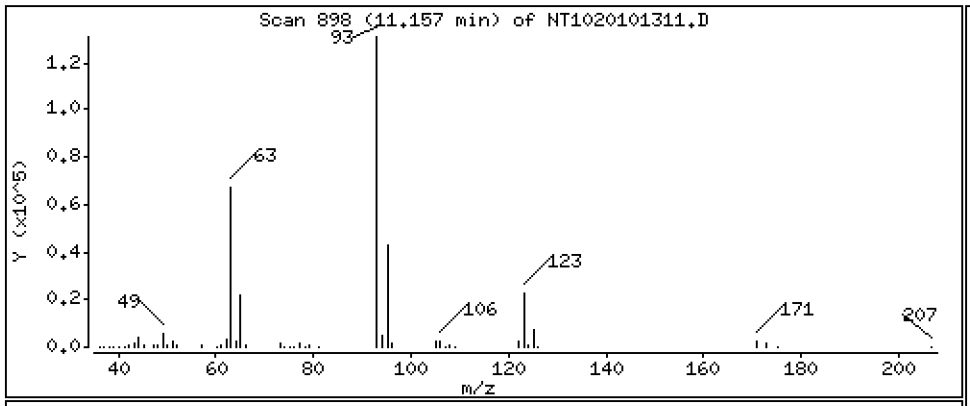
Operator: VTS

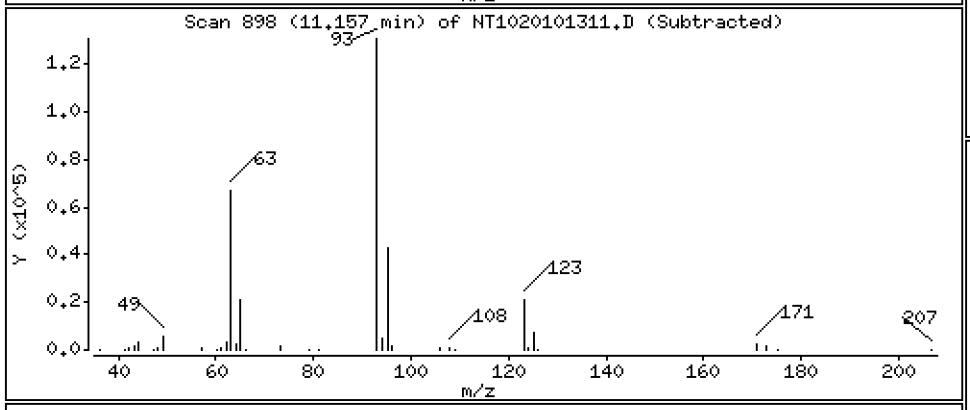
Column phase: ZB-5msi

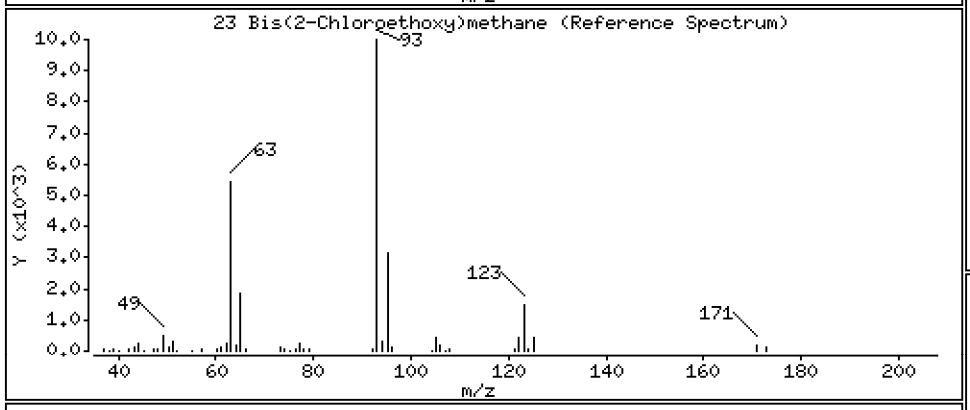
Column diameter: 0.25

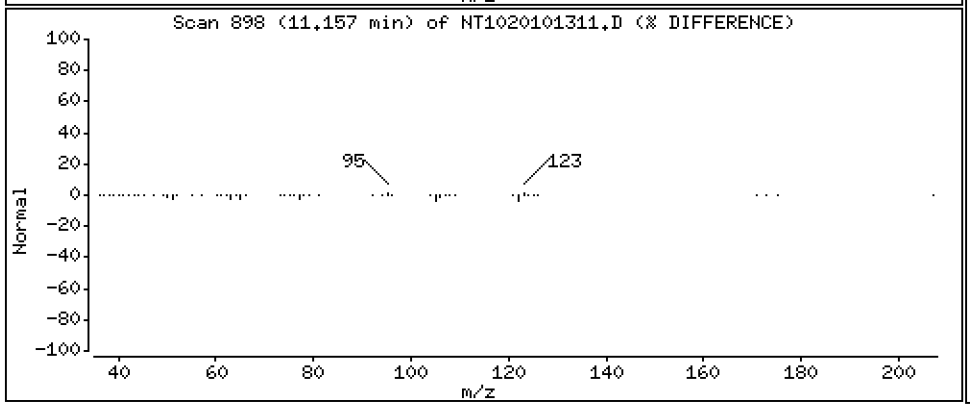
23 Bis(2-Chloroethoxy)methane

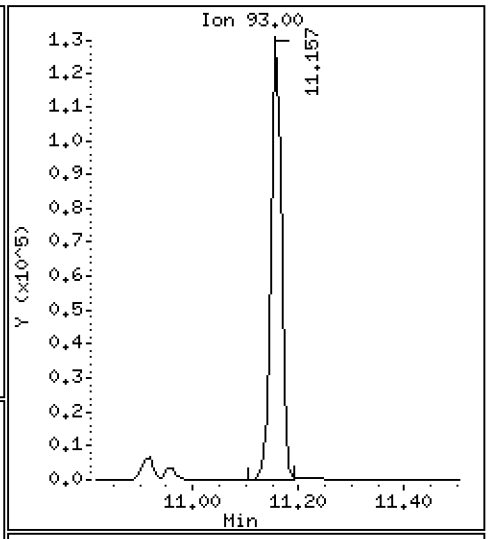
Concentration: 4.757 ug/mL

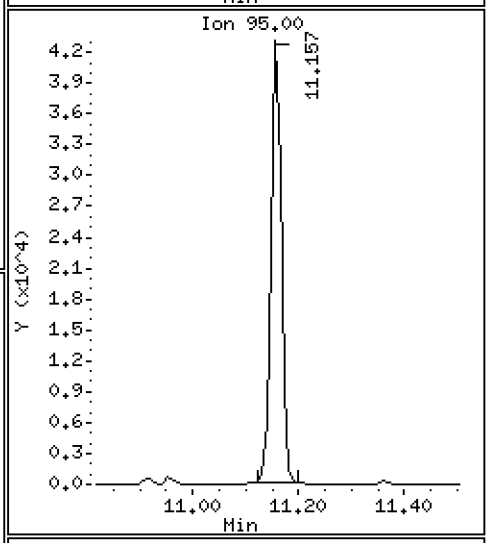


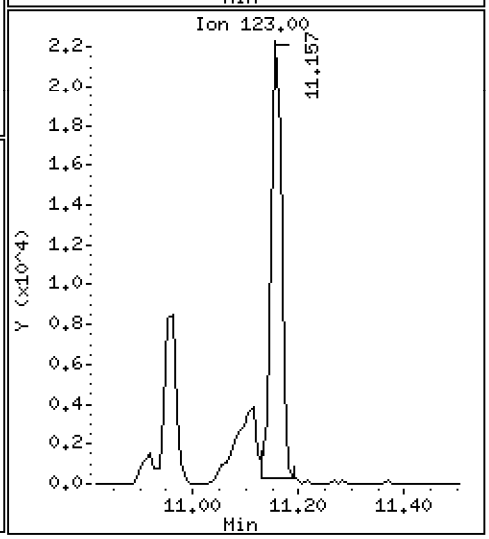












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

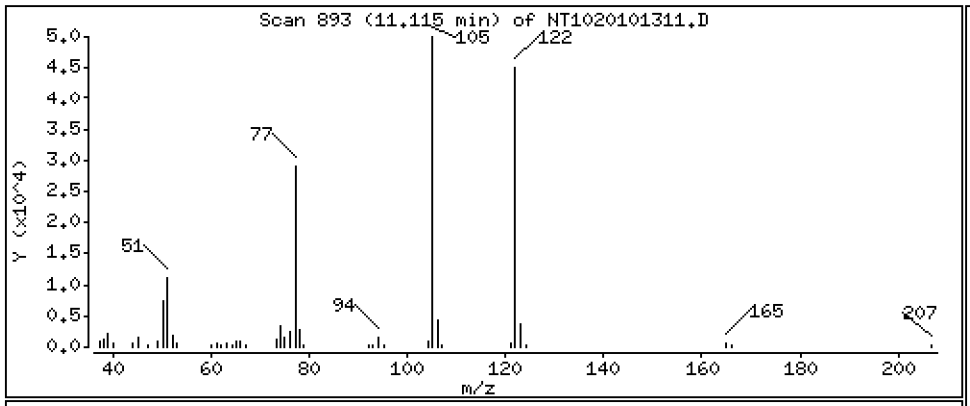
Operator: VTS

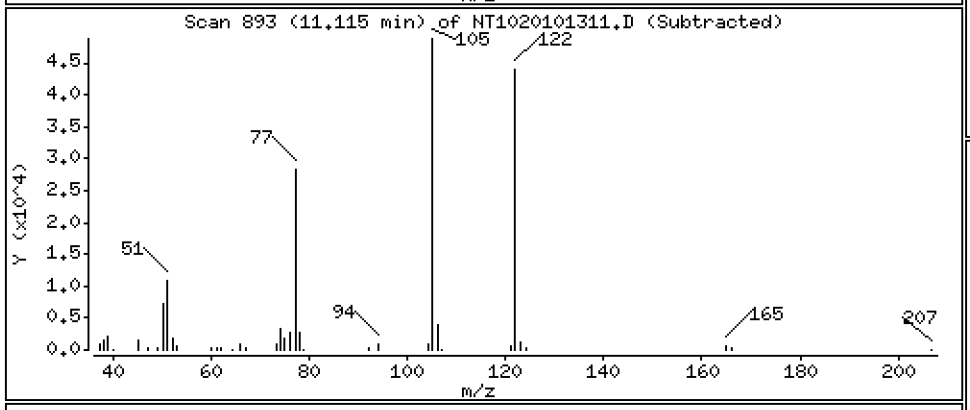
Column phase: ZB-5msi

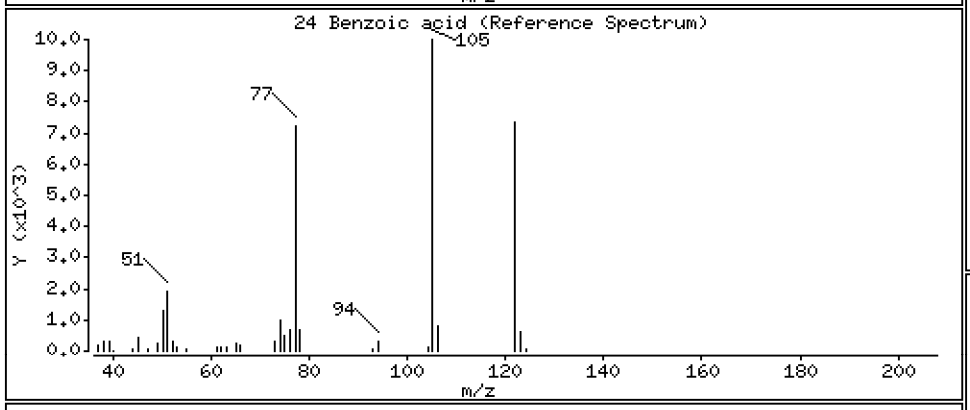
Column diameter: 0.25

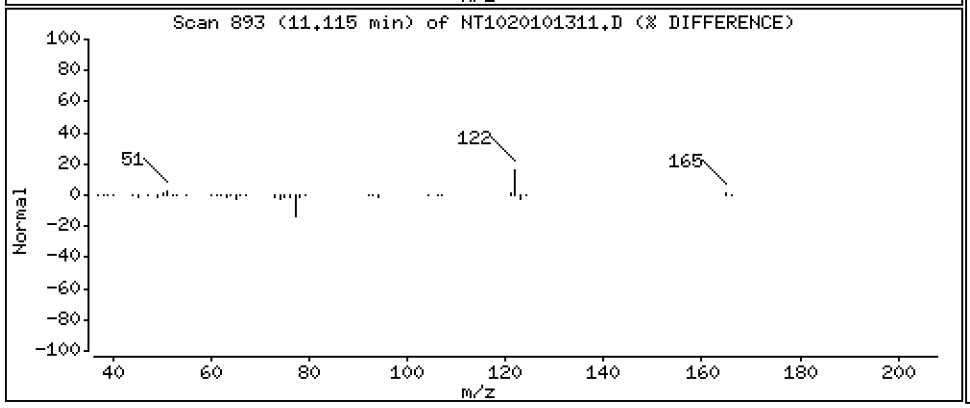
24 Benzoic acid

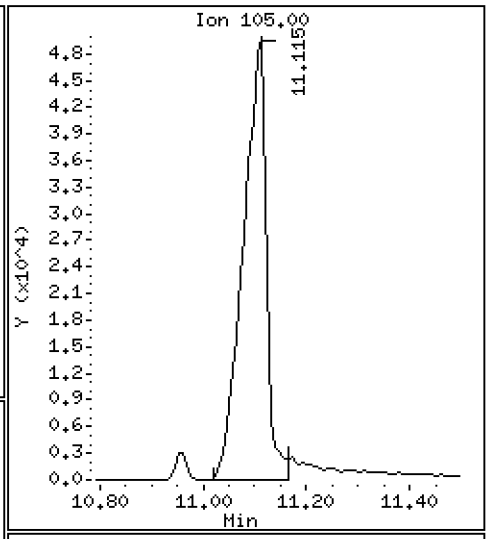
Concentration: 7.183 ug/mL

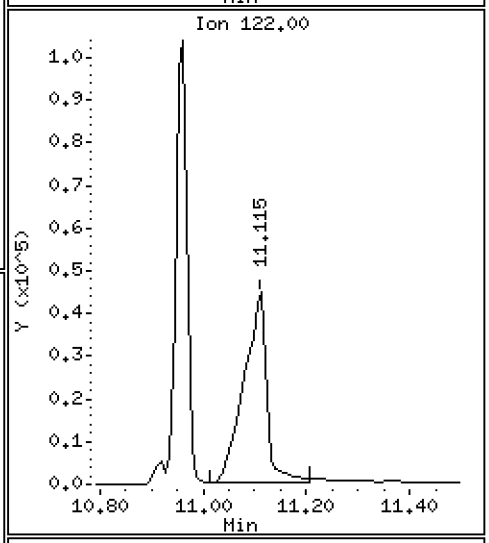


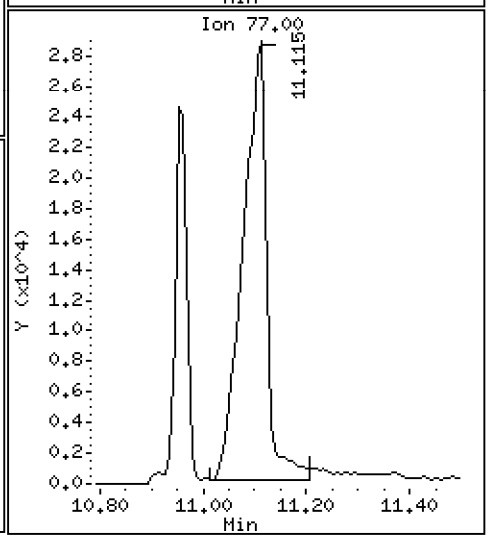












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

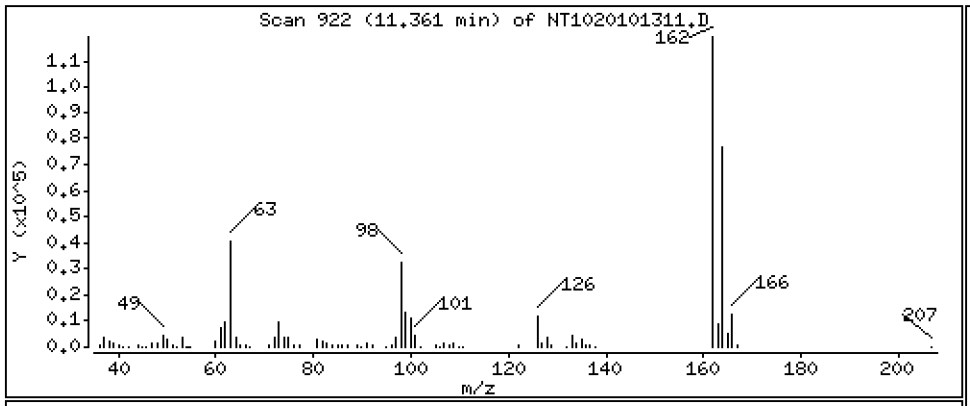
Operator: VTS

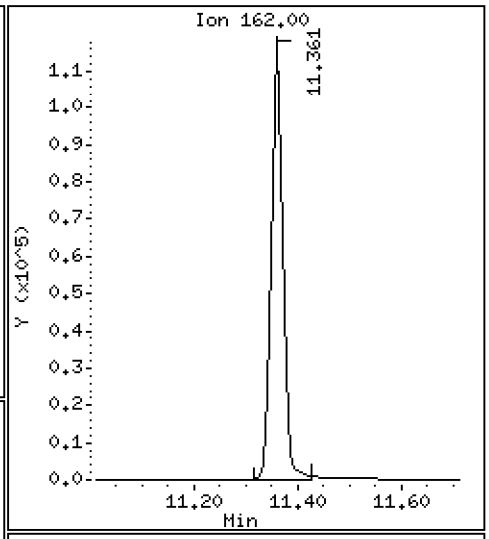
Column phase: ZB-5msi

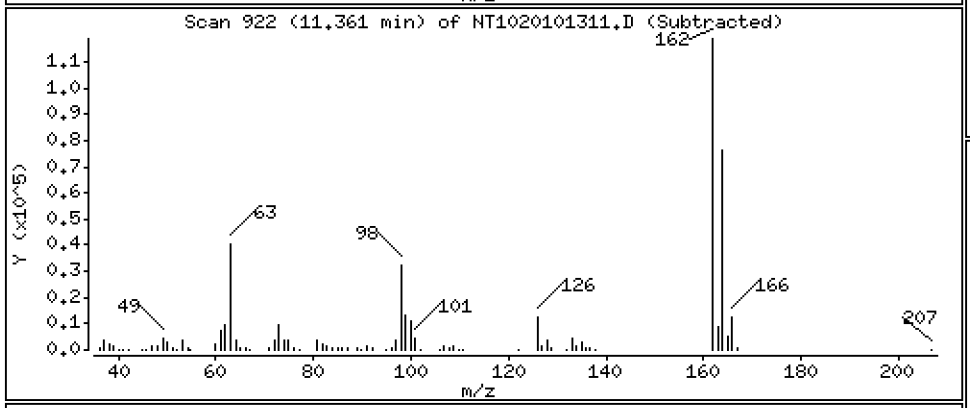
Column diameter: 0.25

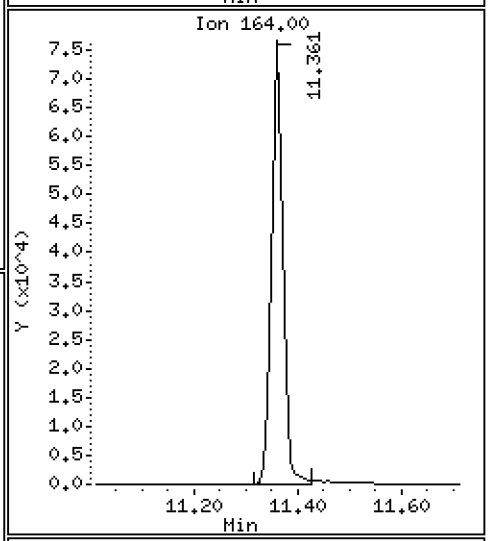
25 2,4-Dichlorophenol

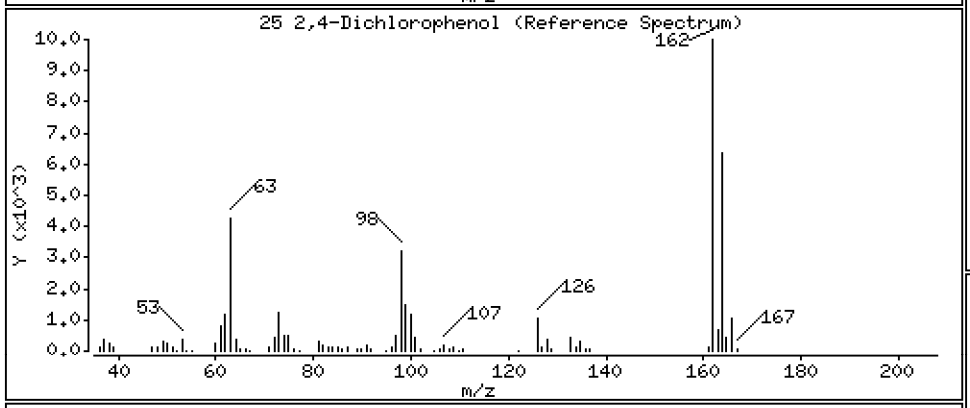
Concentration: 5.393 ug/mL

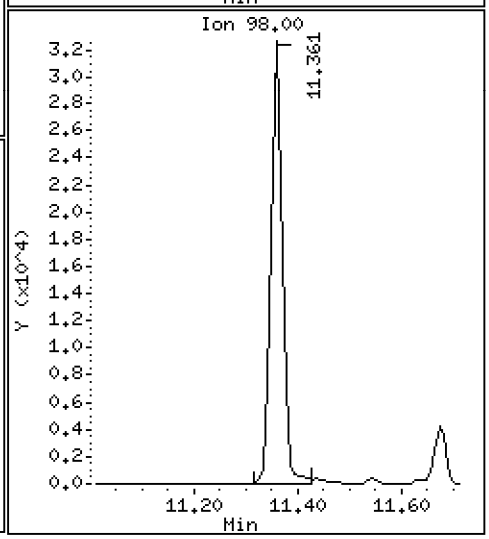


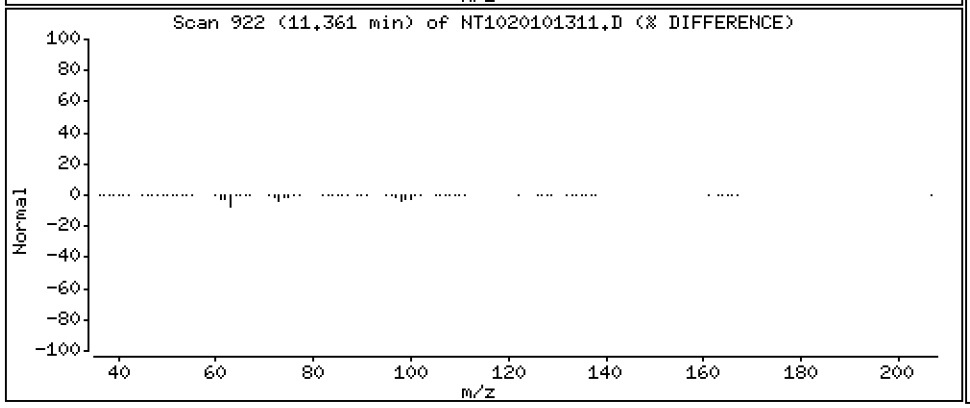












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

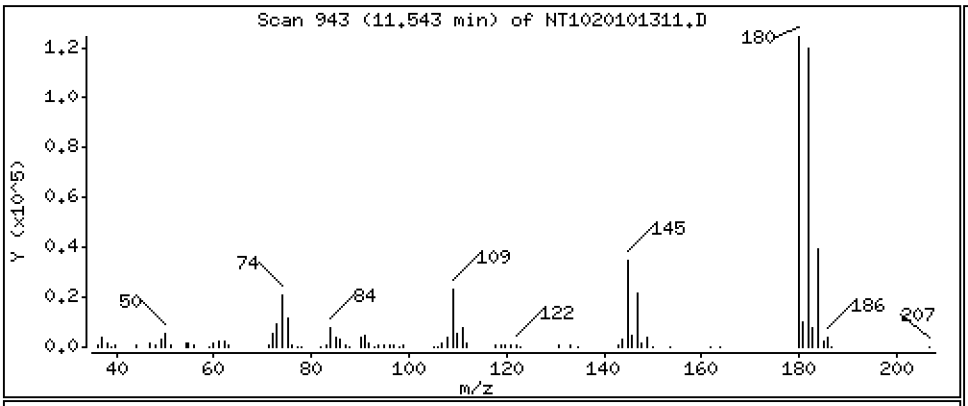
Operator: VTS

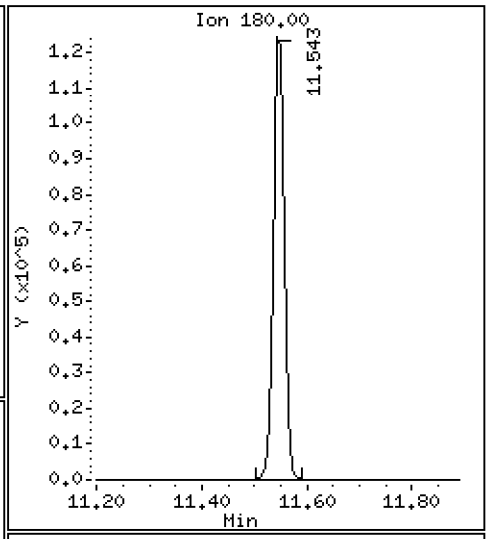
Column phase: ZB-5msi

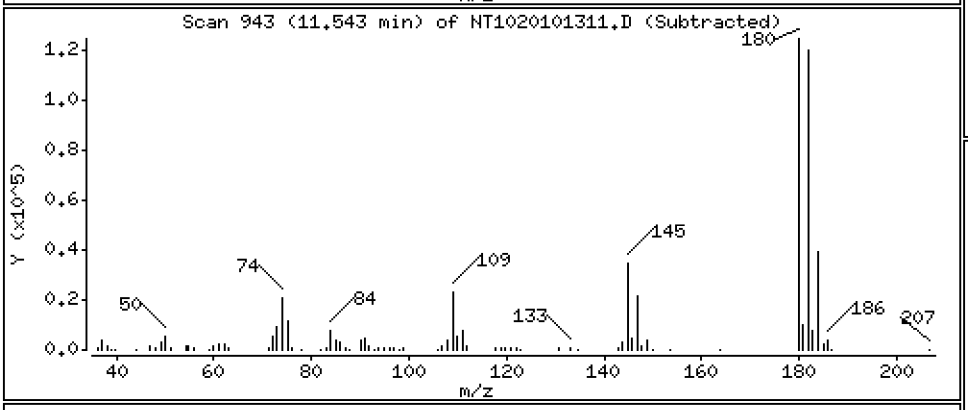
Column diameter: 0.25

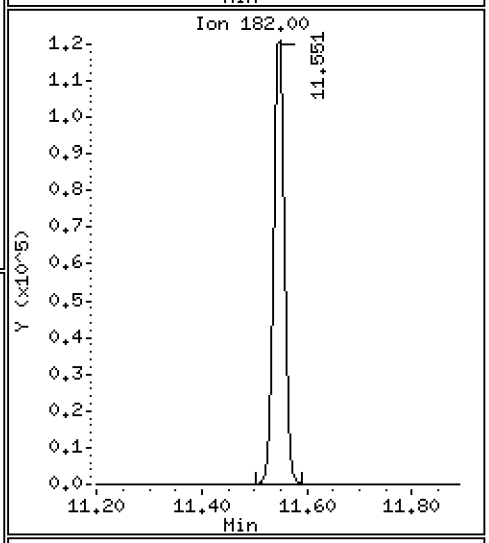
26 1,2,4-Trichlorobenzene

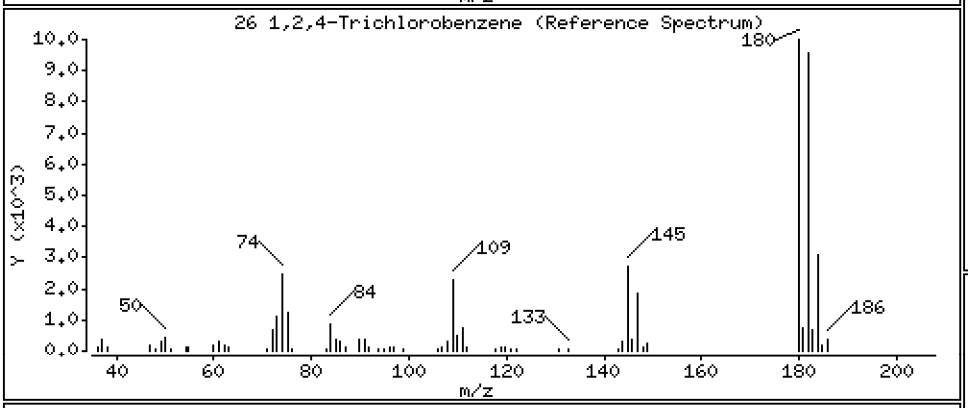
Concentration: 4.482 ug/mL

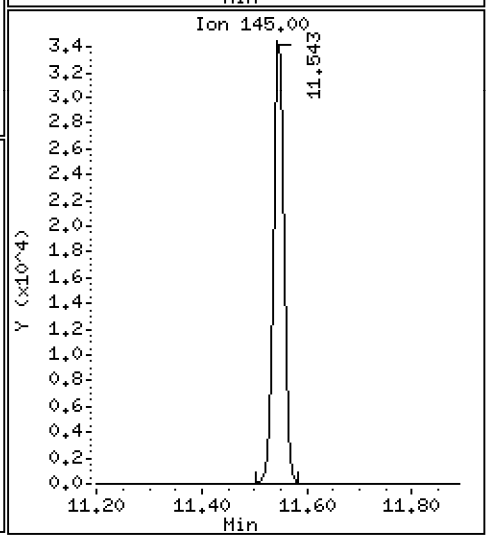


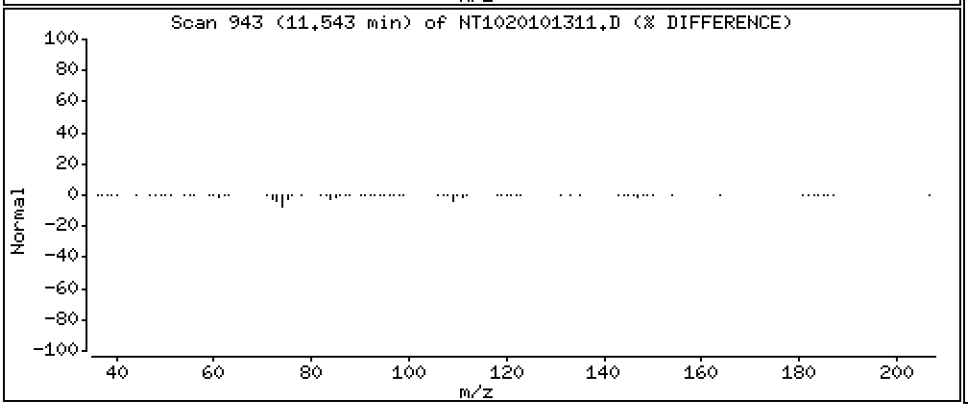












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

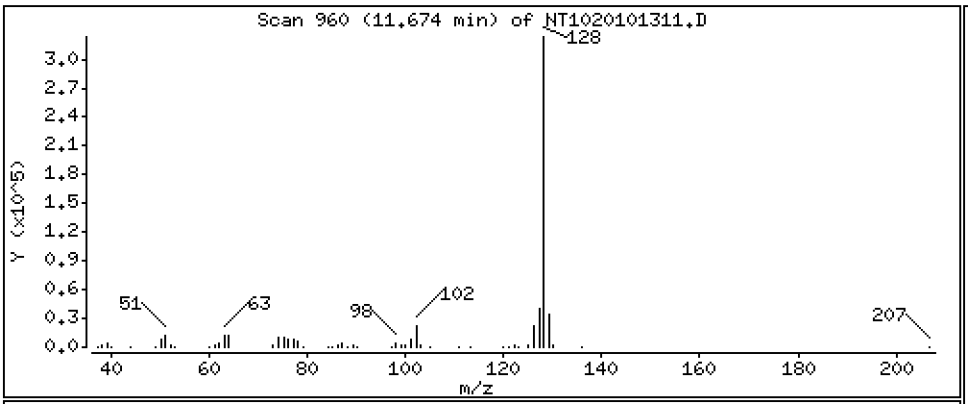
Operator: VTS

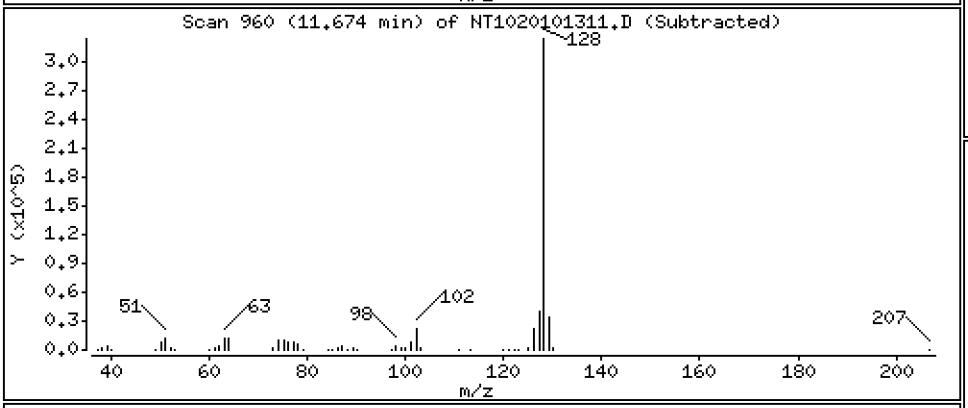
Column phase: ZB-5msi

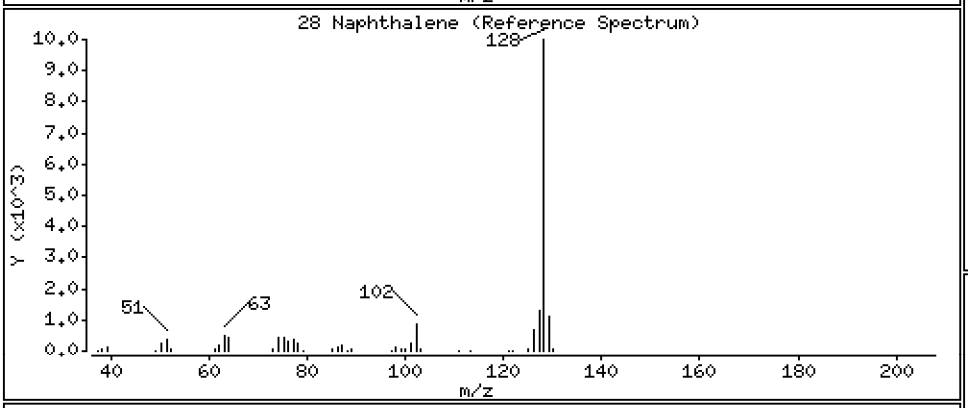
Column diameter: 0.25

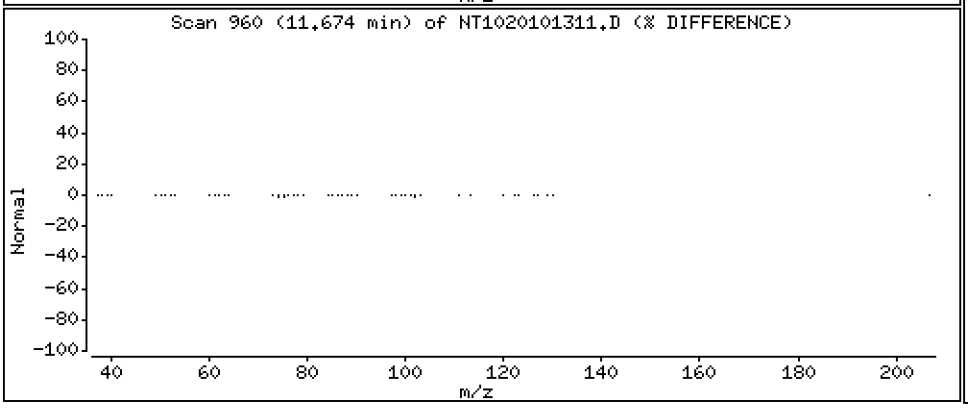
28 Naphthalene

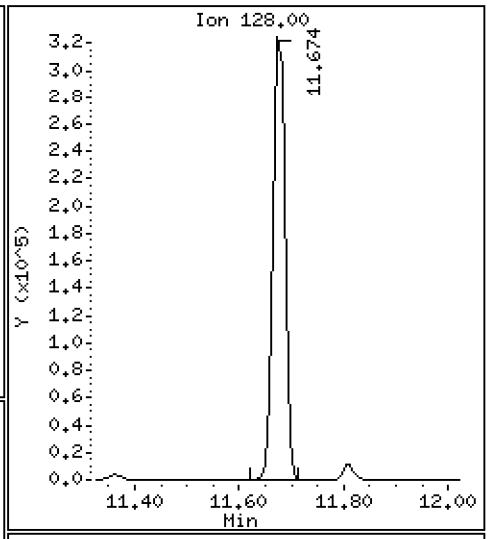
Concentration: 4.728 ug/mL

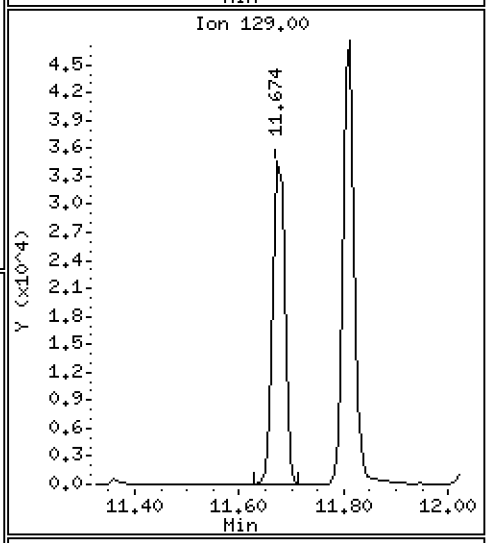


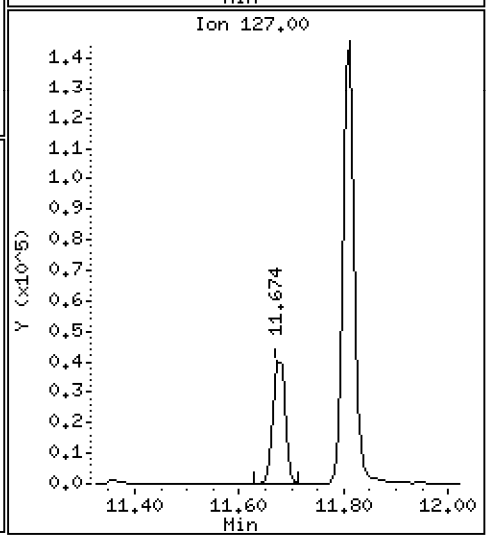












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

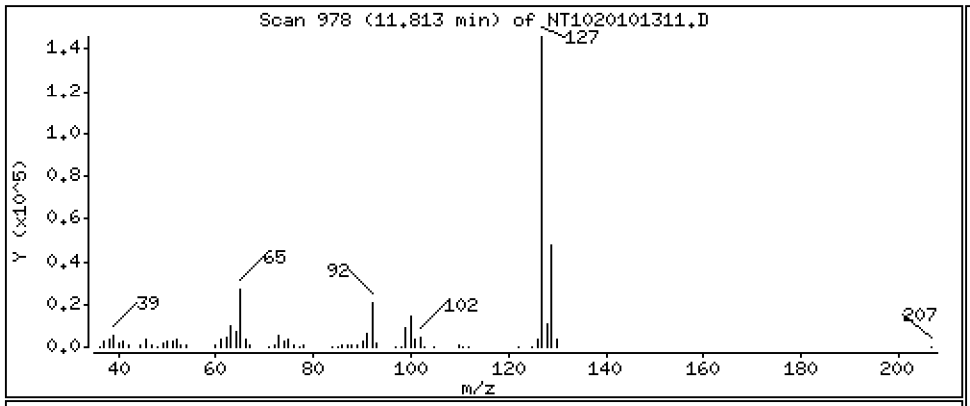
Operator: VTS

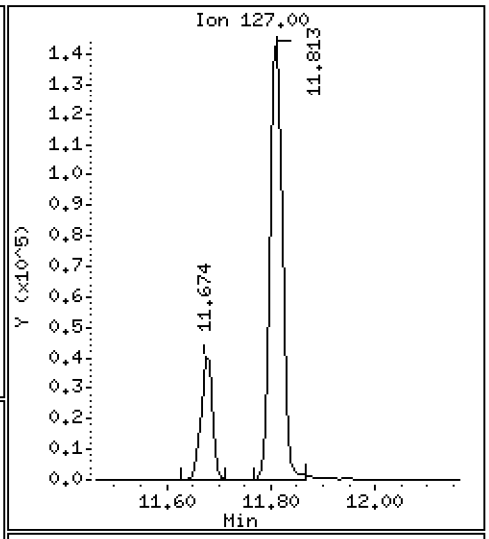
Column phase: ZB-5msi

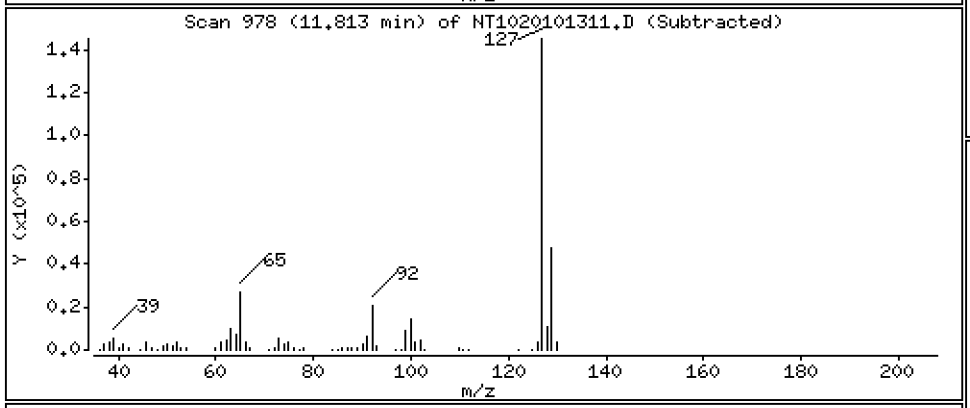
Column diameter: 0.25

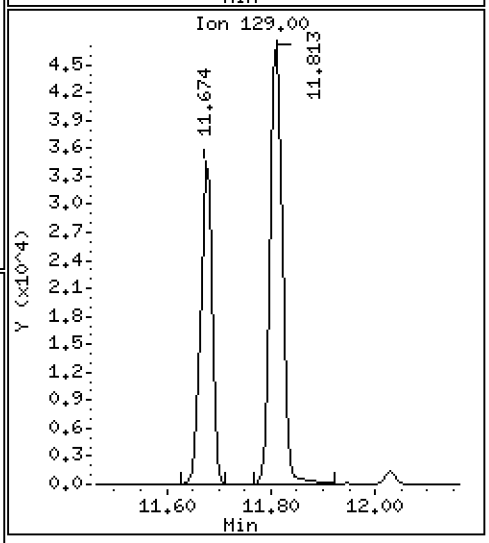
29 4-Chloroaniline

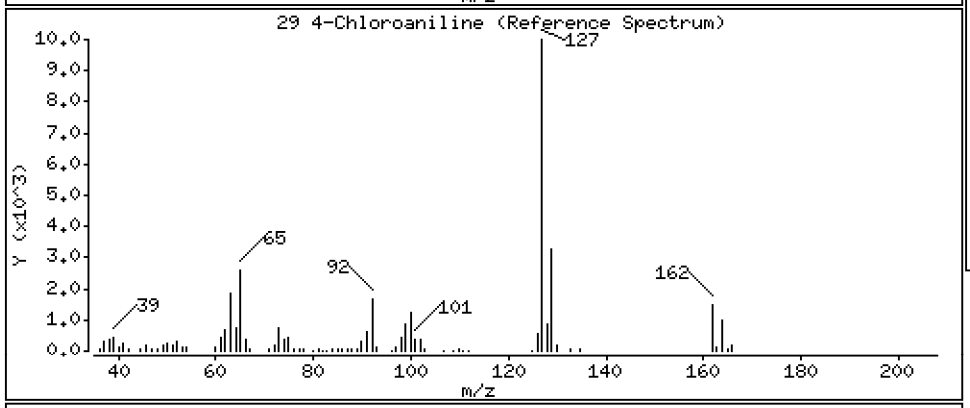
Concentration: 4.945 ug/mL

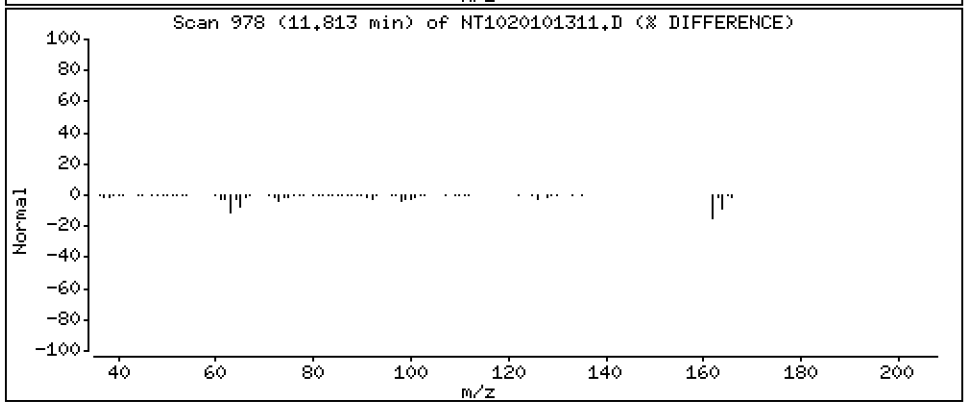












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

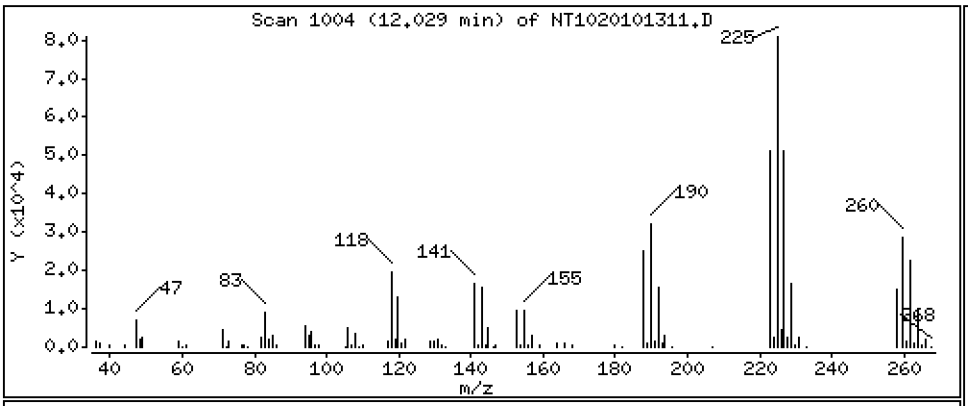
Operator: VTS

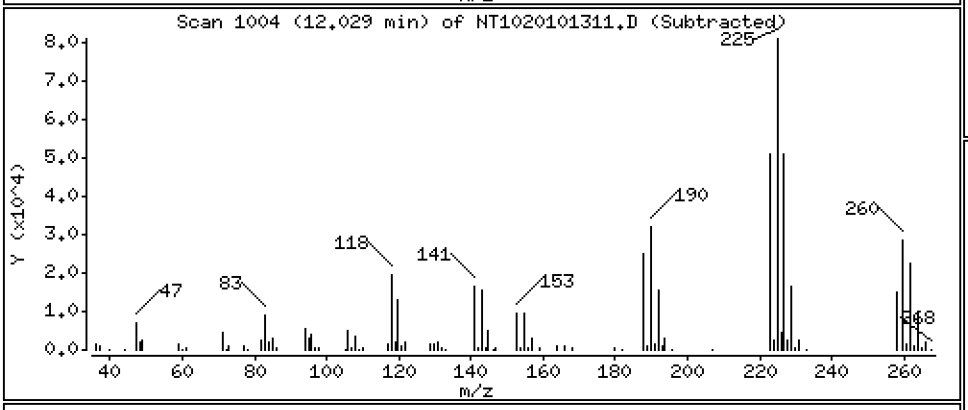
Column phase: ZB-5msi

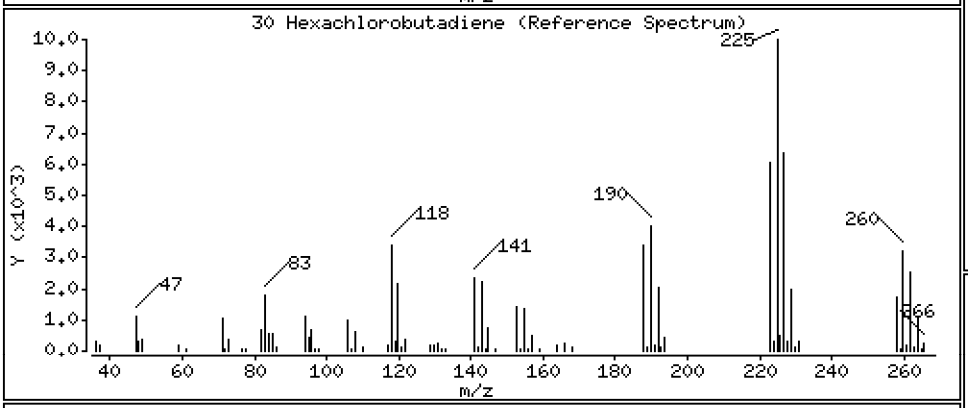
Column diameter: 0.25

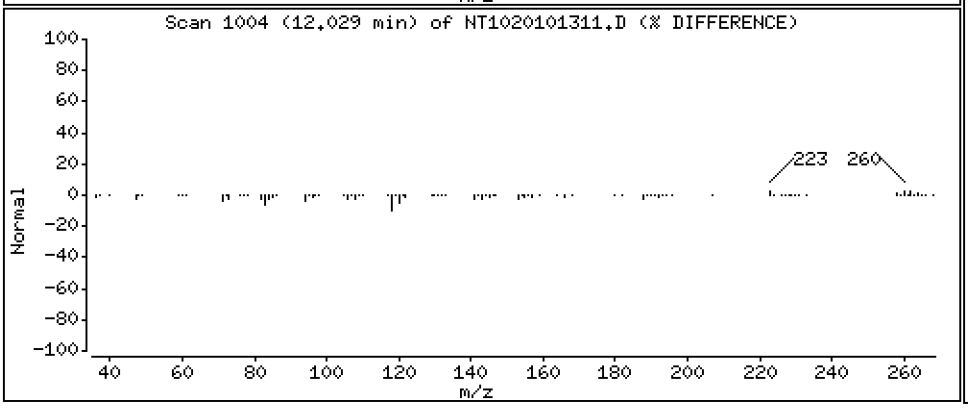
30 Hexachlorobutadiene

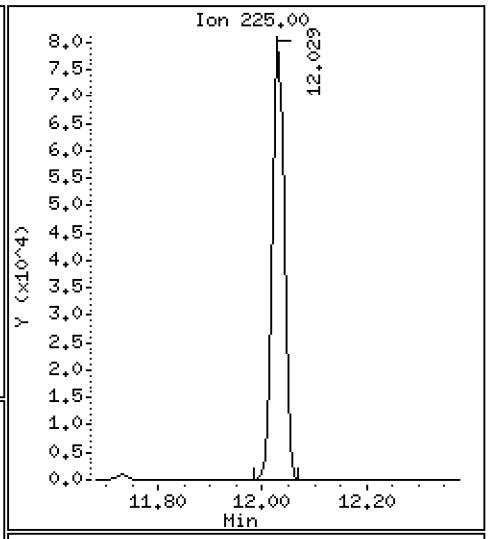
Concentration: 4.734 ug/mL

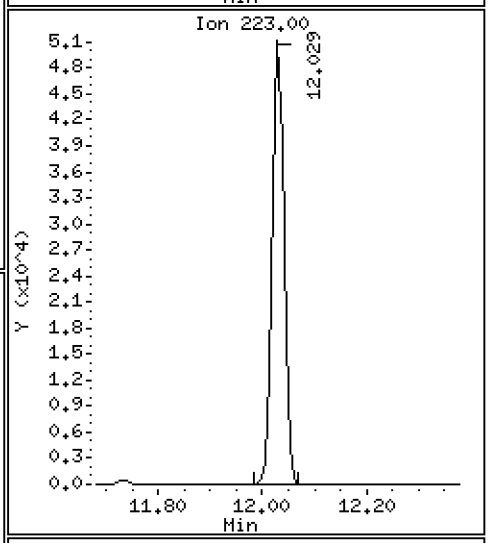


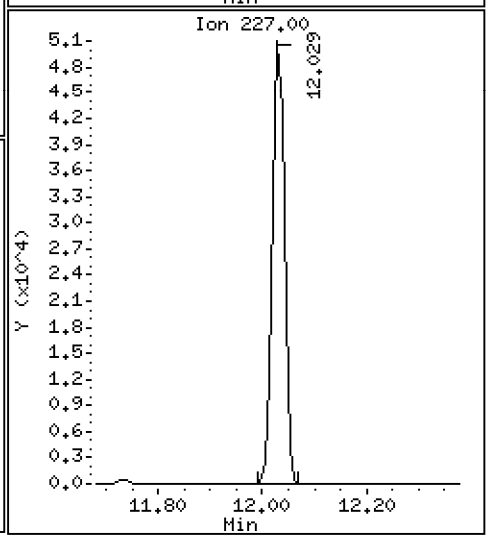












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

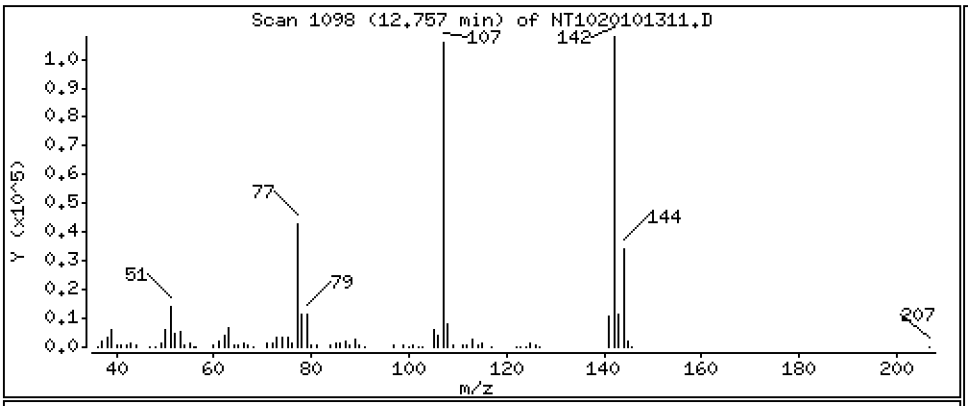
Operator: VTS

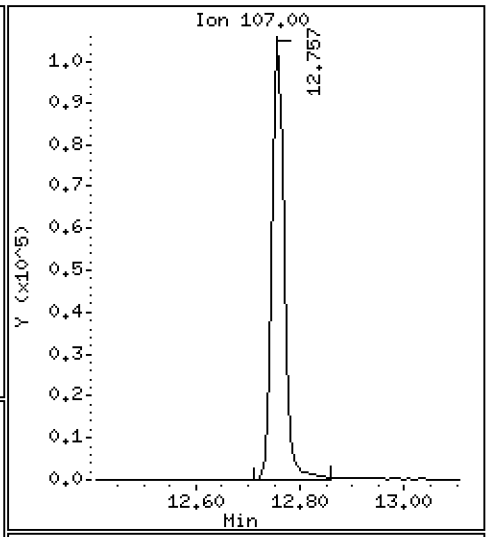
Column phase: ZB-5msi

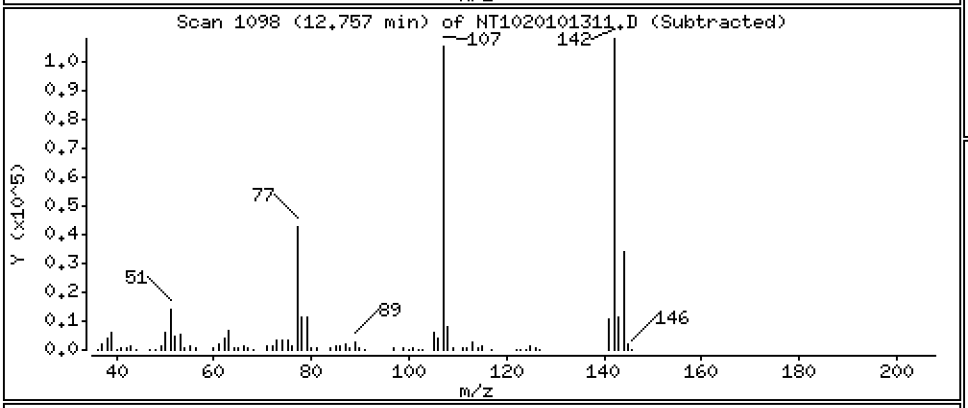
Column diameter: 0.25

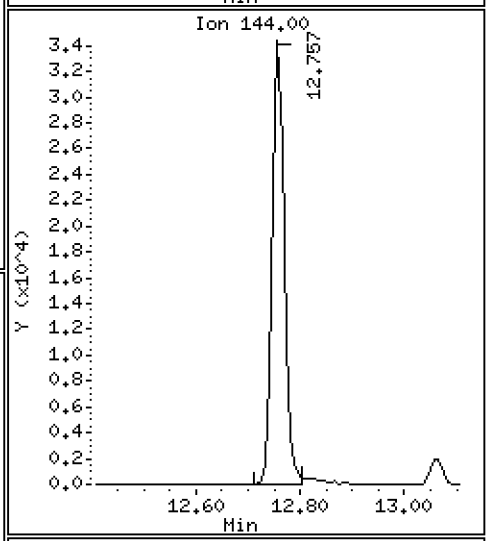
31 4-Chloro-3-methylphenol

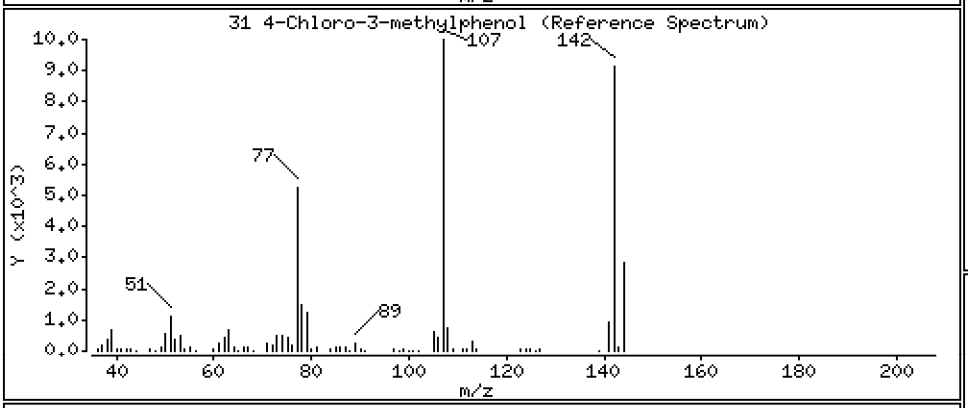
Concentration: 5.032 ug/mL

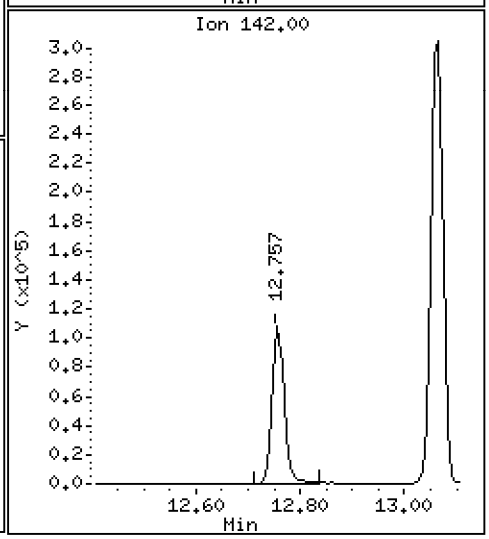


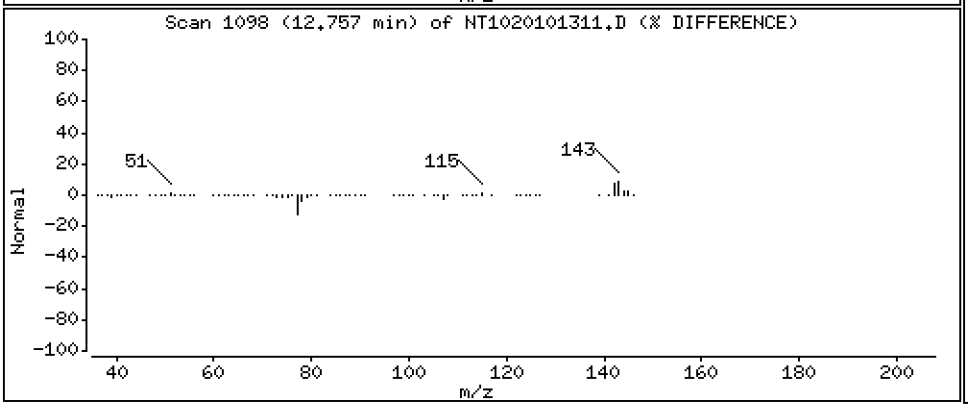












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

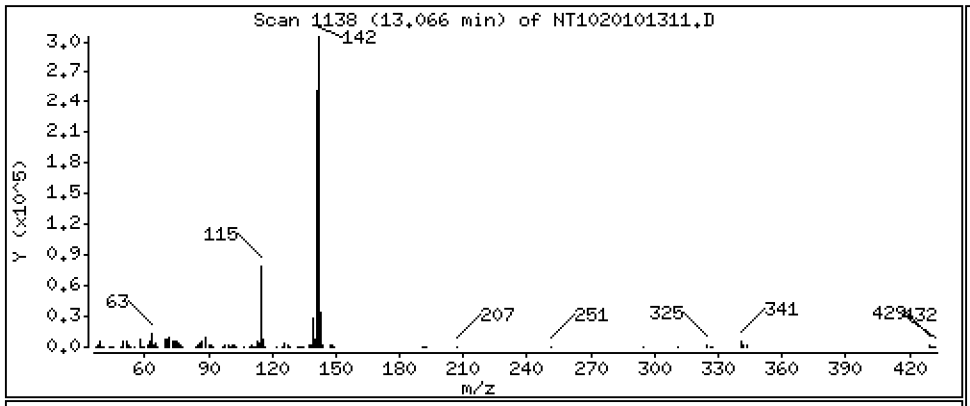
Operator: VTS

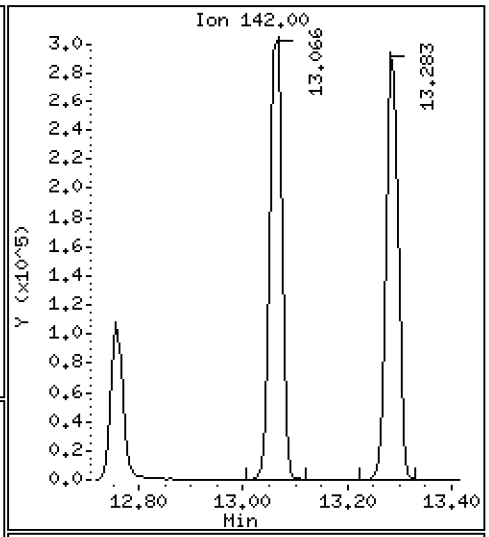
Column phase: ZB-5msi

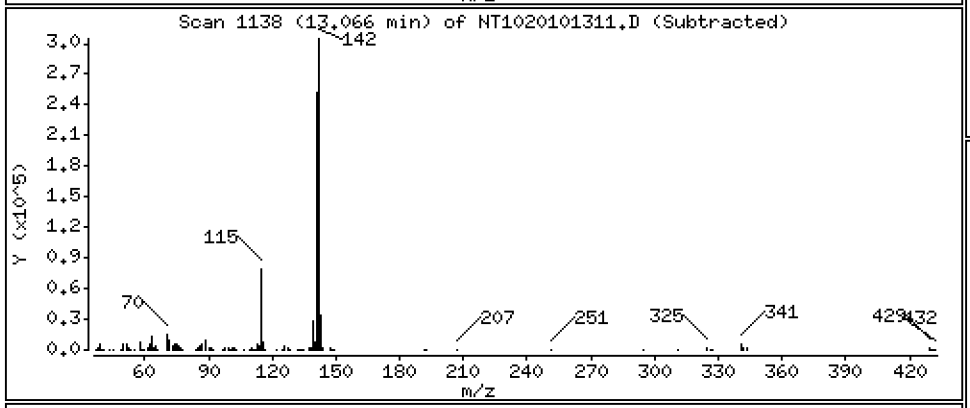
Column diameter: 0.25

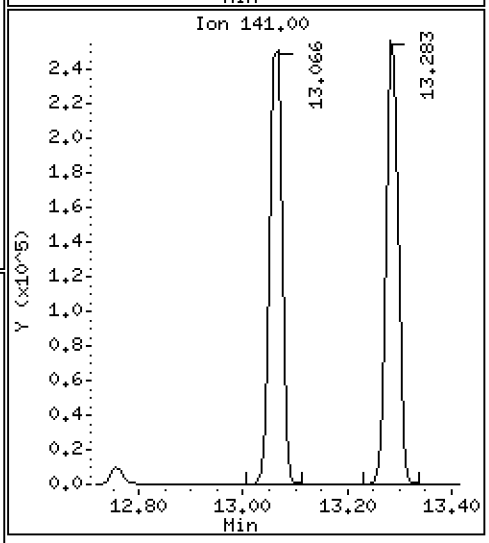
32 2-Methylnaphthalene

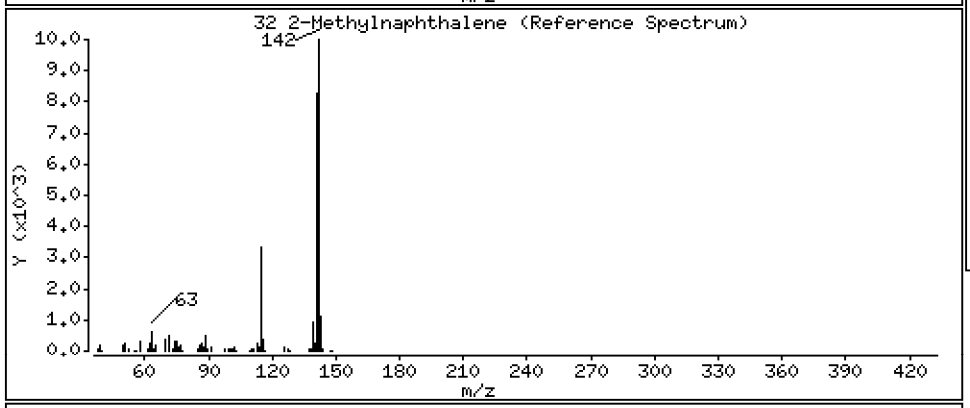
Concentration: 4.909 ug/mL

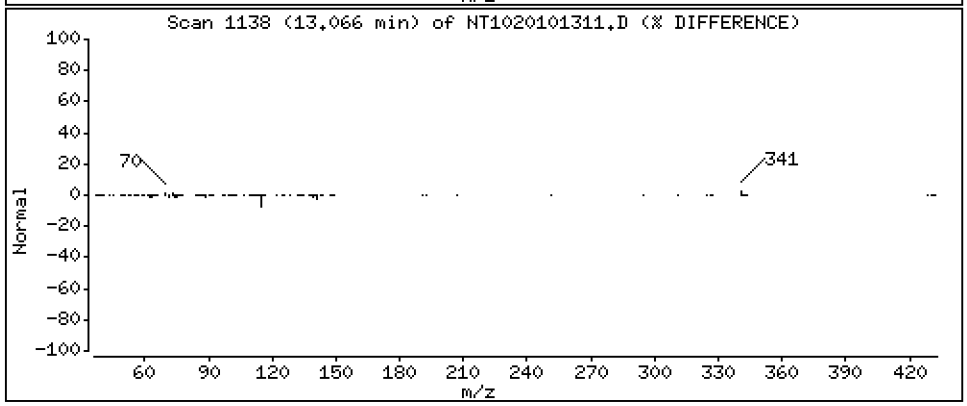












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

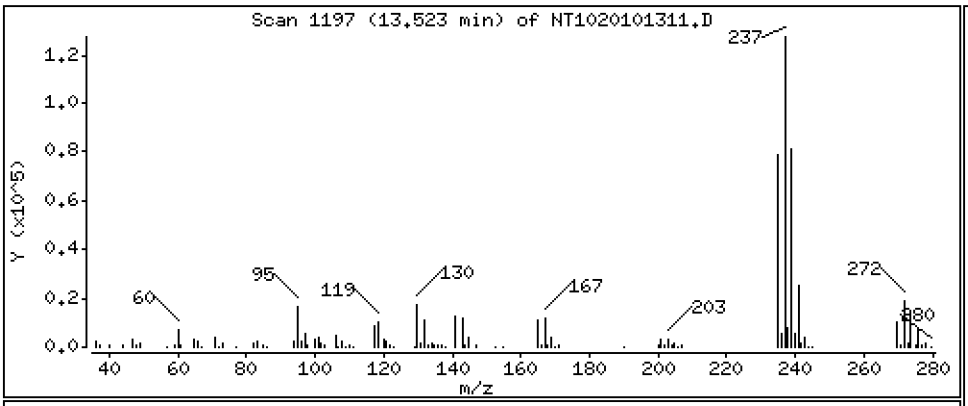
Operator: VTS

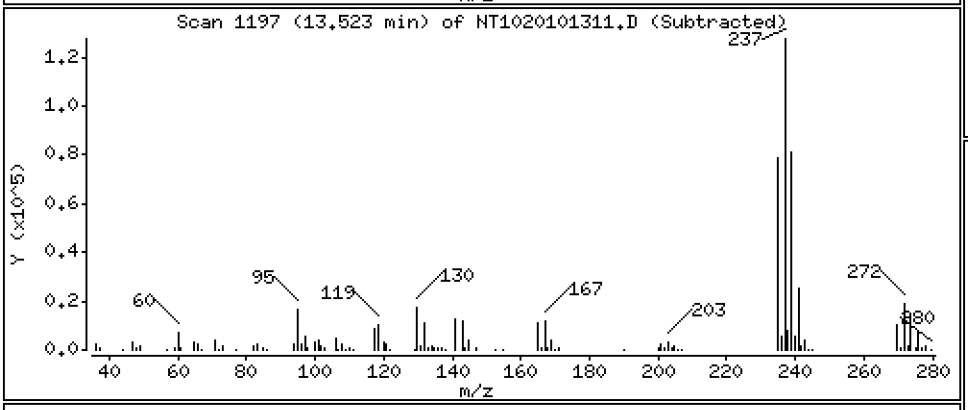
Column phase: ZB-5msi

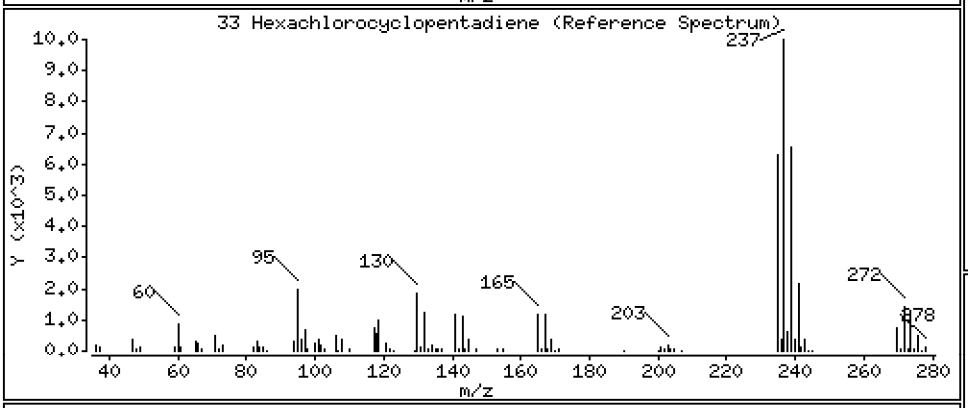
Column diameter: 0.25

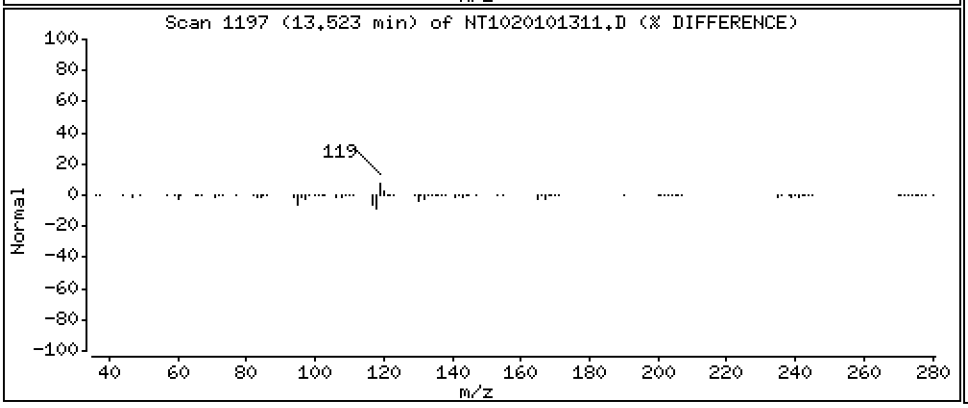
33 Hexachlorocyclopentadiene

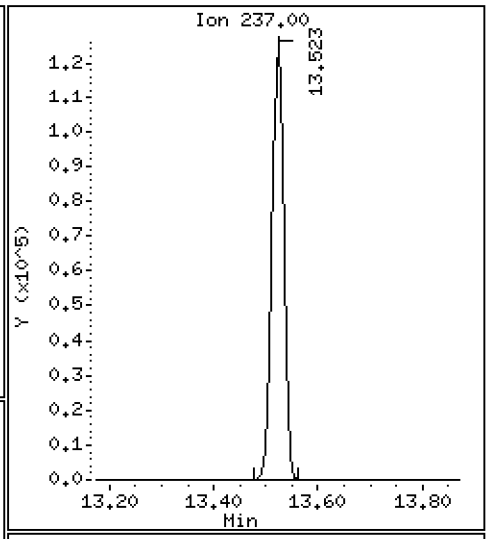
Concentration: 5.611 ug/mL

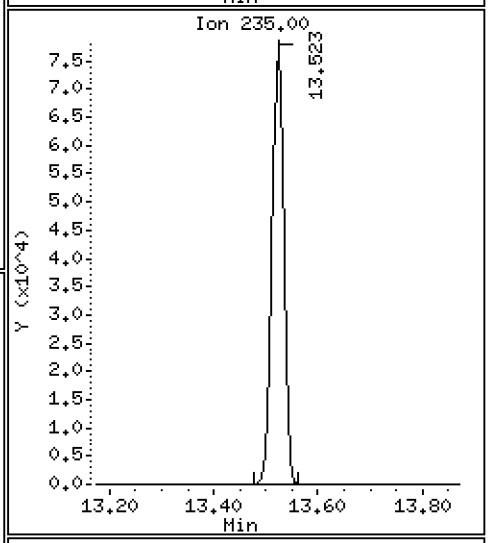


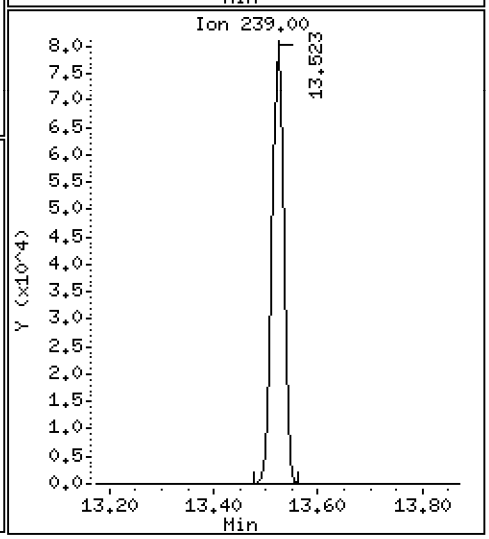












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

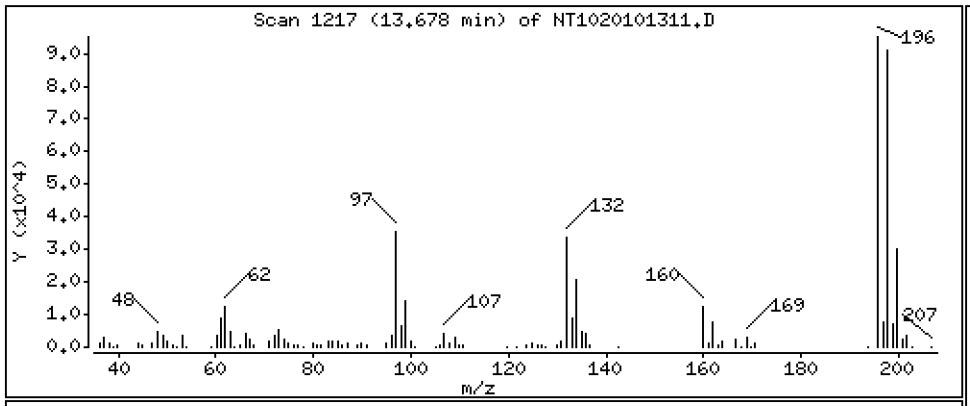
Operator: VTS

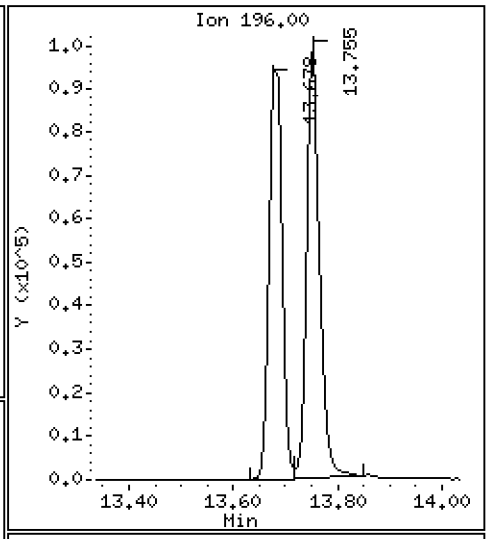
Column phase: ZB-5msi

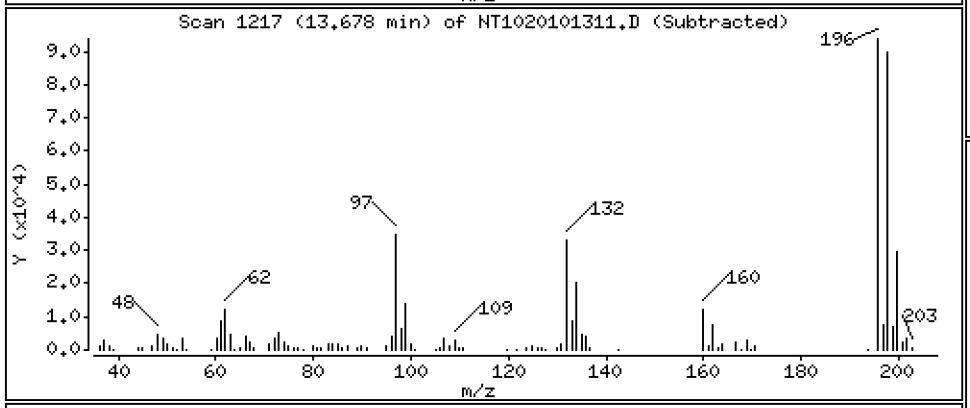
Column diameter: 0.25

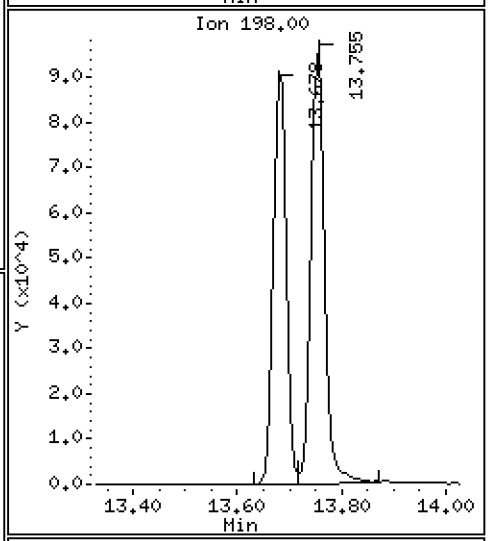
34 2,4,6-Trichlorophenol

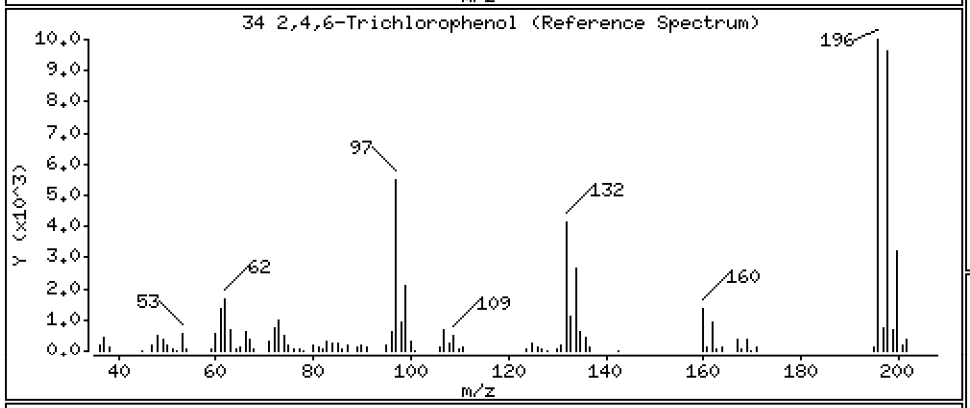
Concentration: 5.176 ug/mL

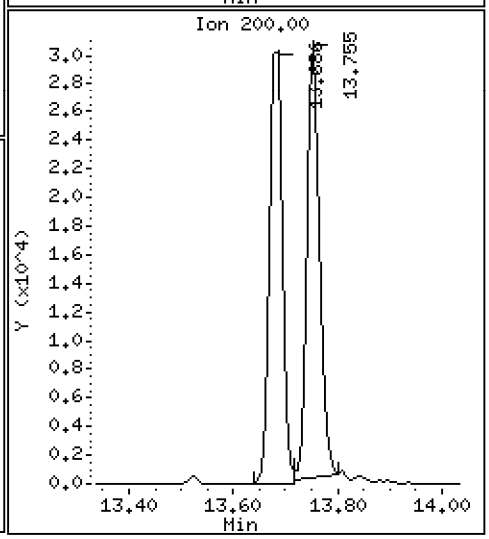


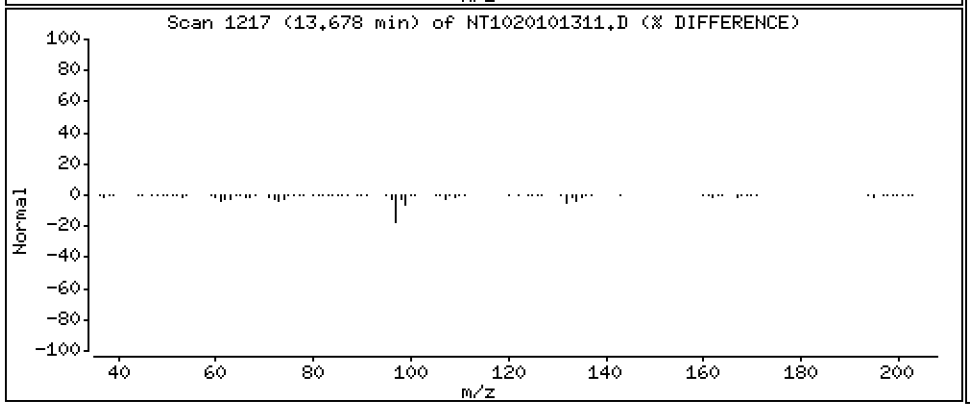












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

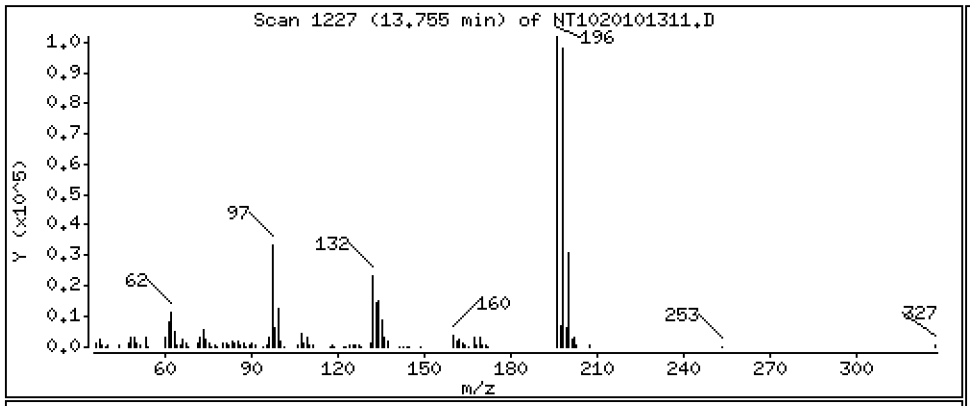
Operator: VTS

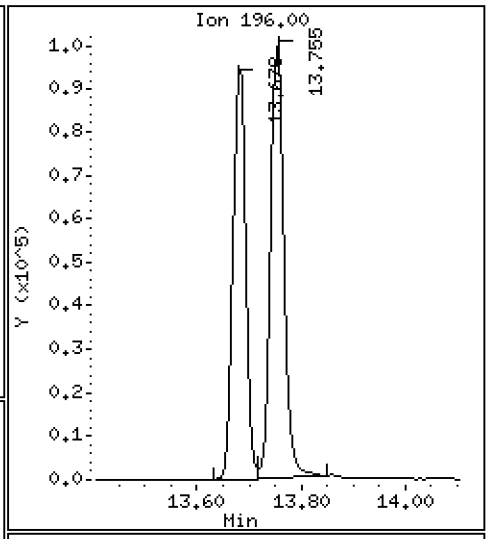
Column phase: ZB-5msi

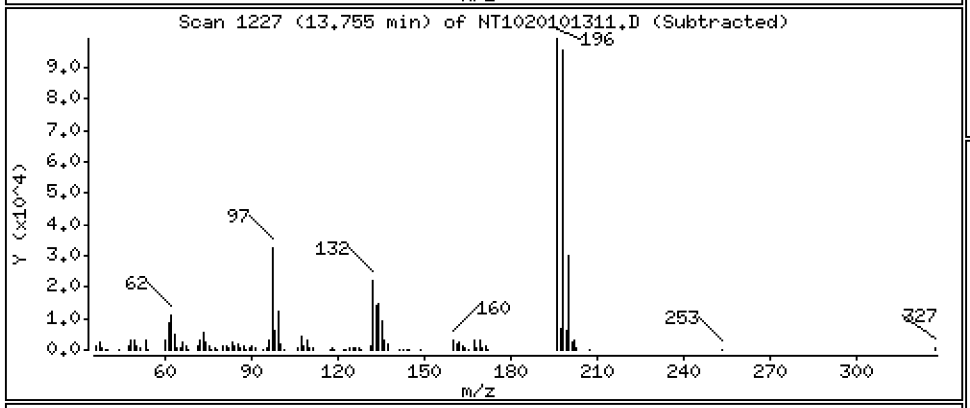
Column diameter: 0.25

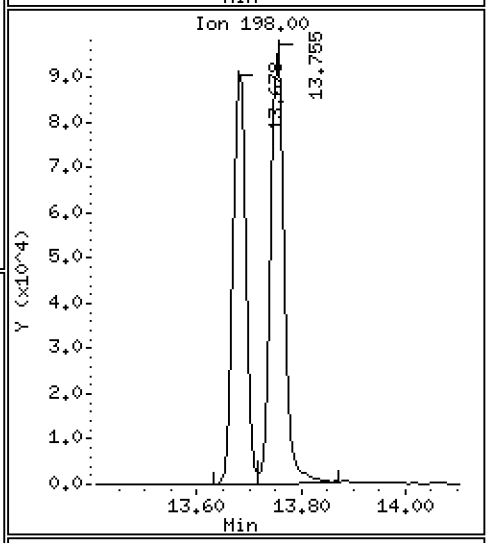
35 2,4,5-Trichlorophenol

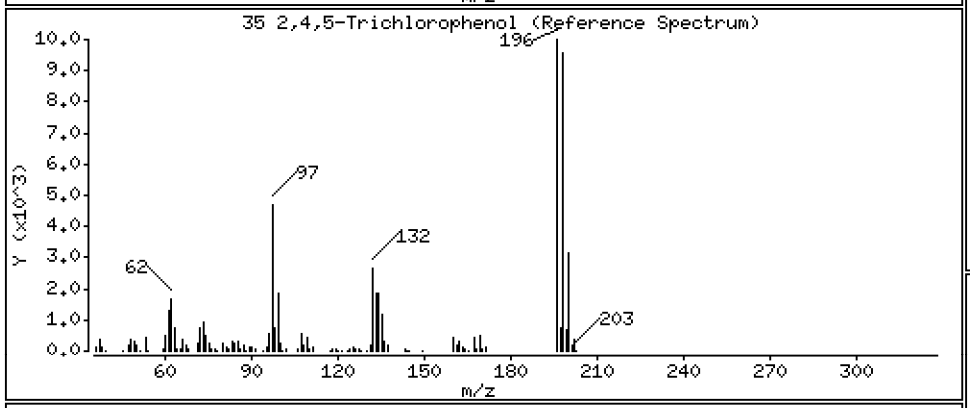
Concentration: 5.062 ug/mL

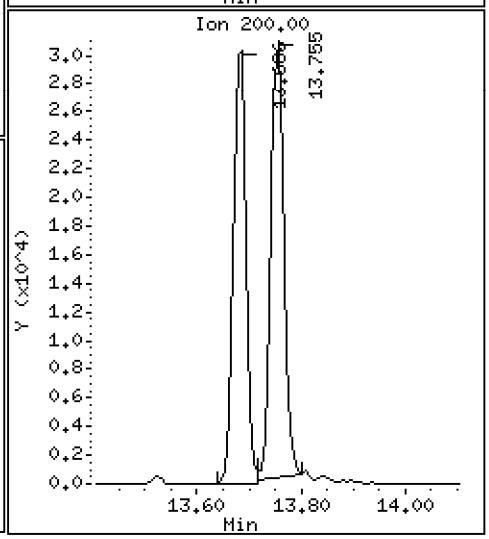


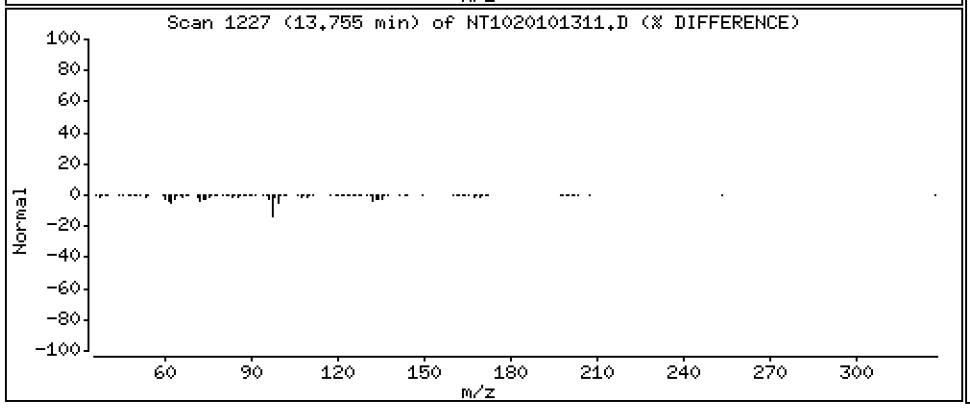












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

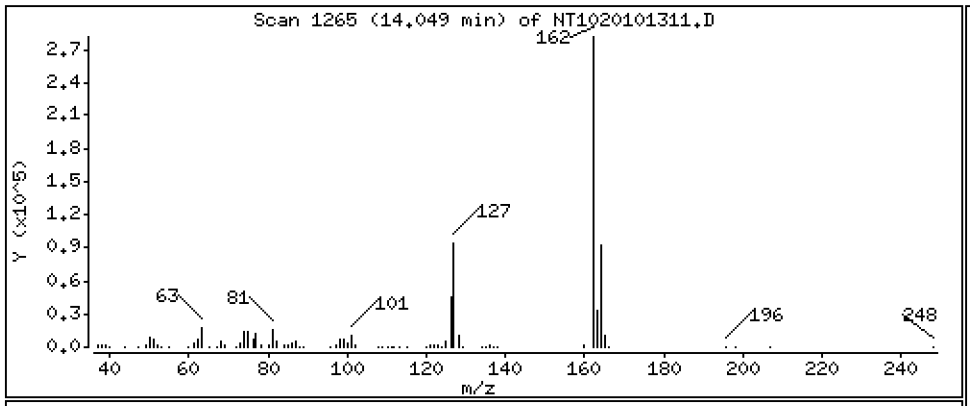
Operator: VTS

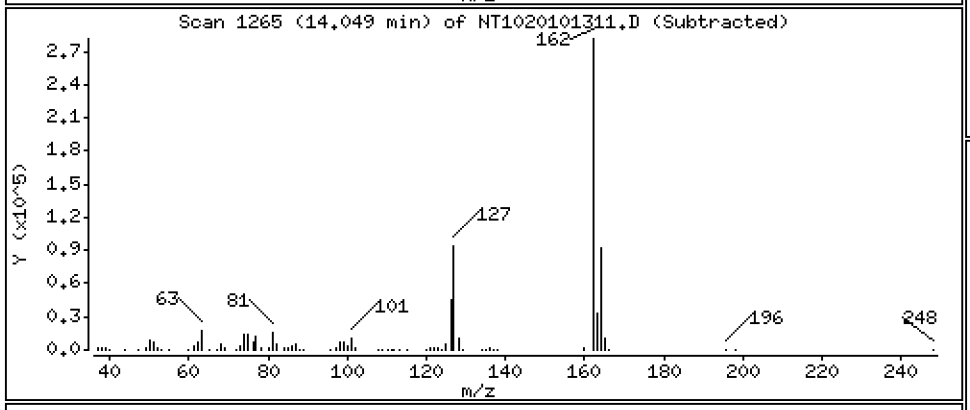
Column phase: ZB-5msi

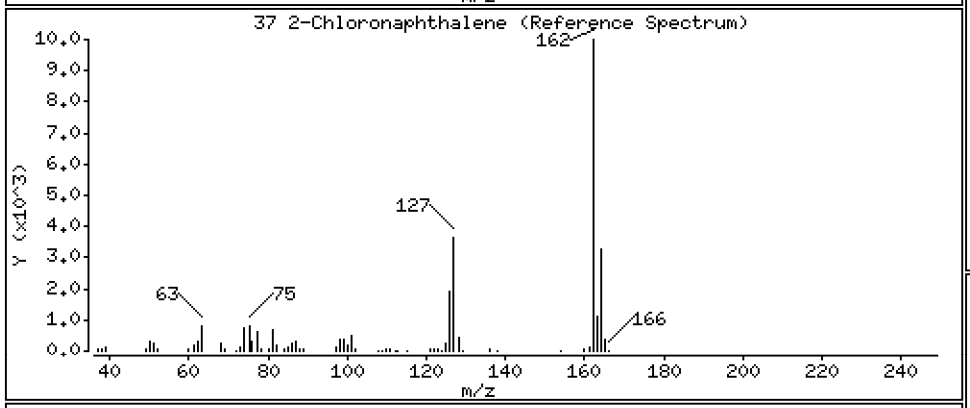
Column diameter: 0.25

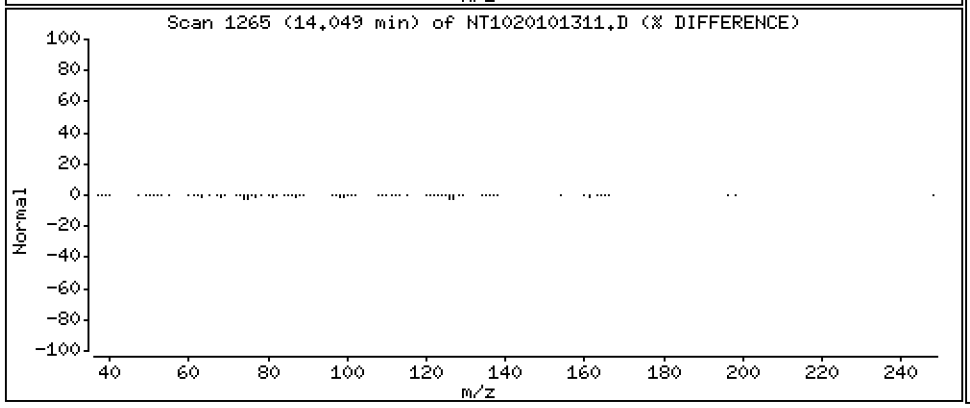
37 2-Chloronaphthalene

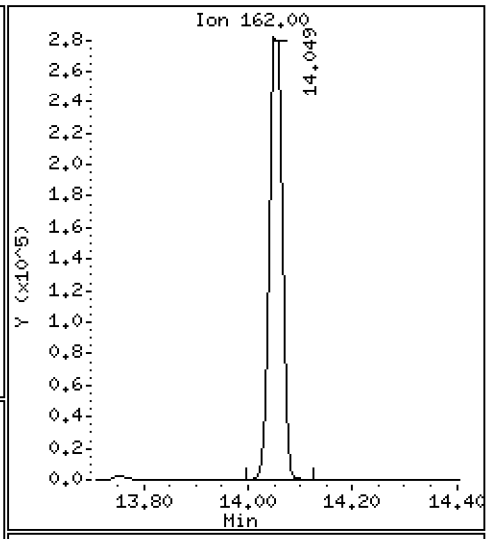
Concentration: 4.783 ug/mL

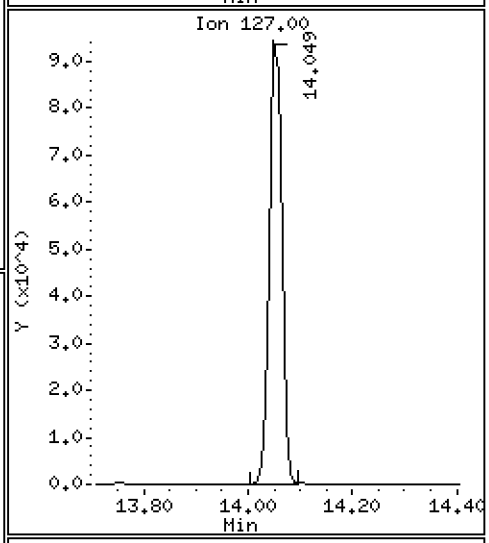


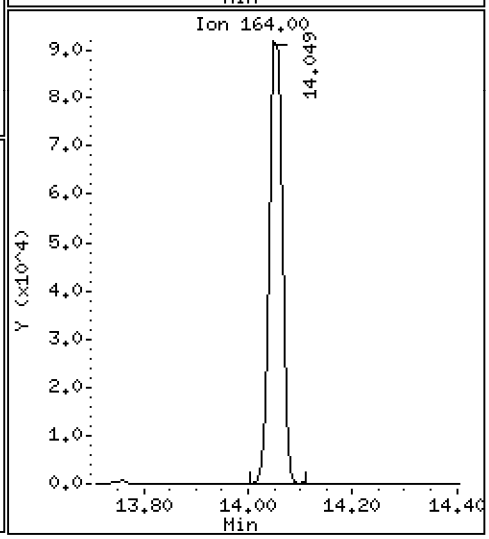












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

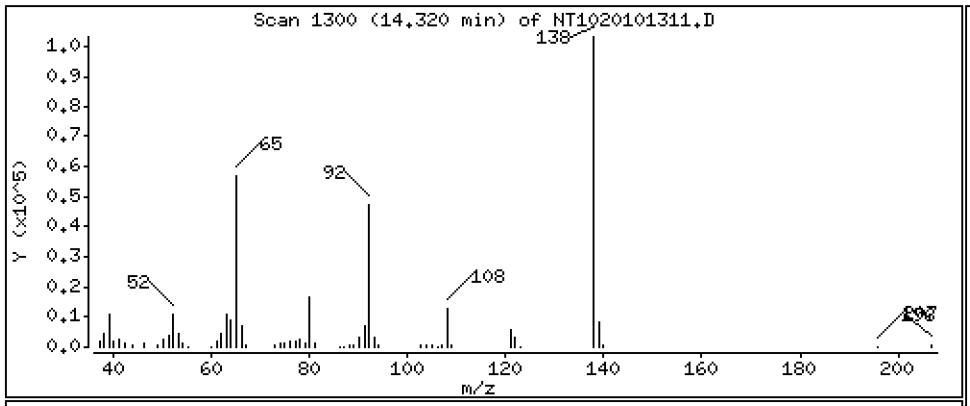
Operator: VTS

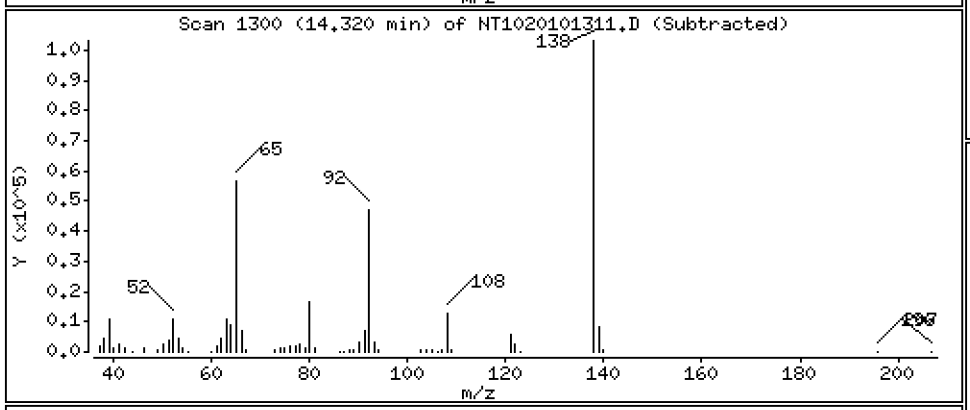
Column phase: ZB-5msi

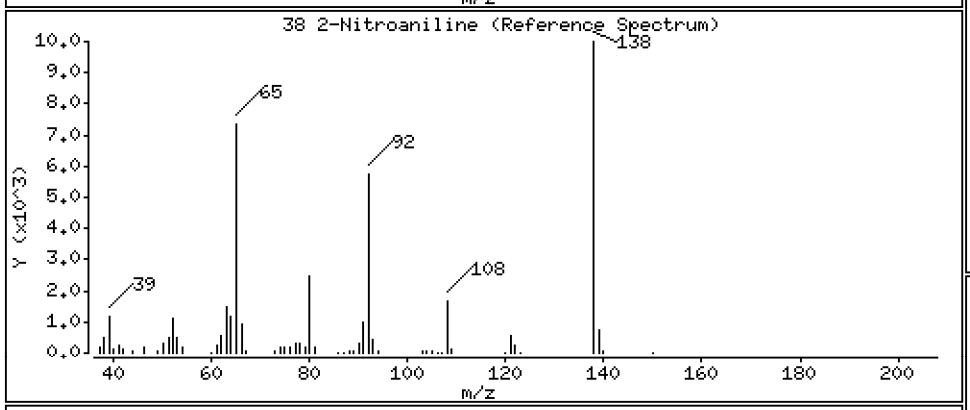
Column diameter: 0.25

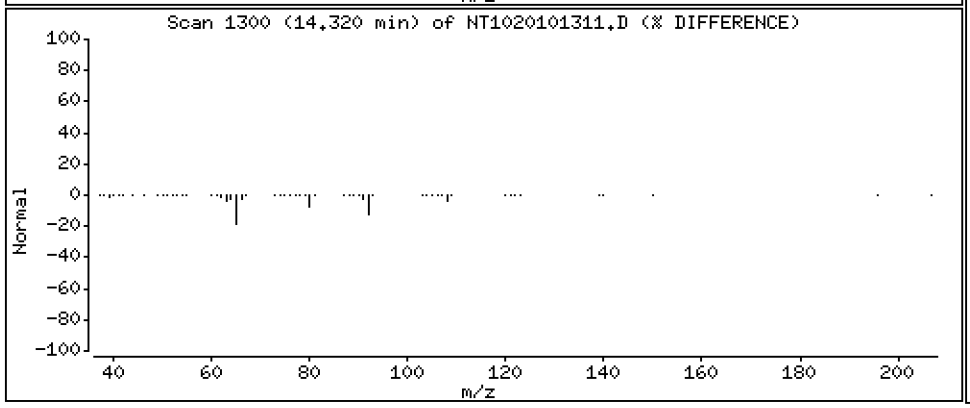
38 2-Nitroaniline

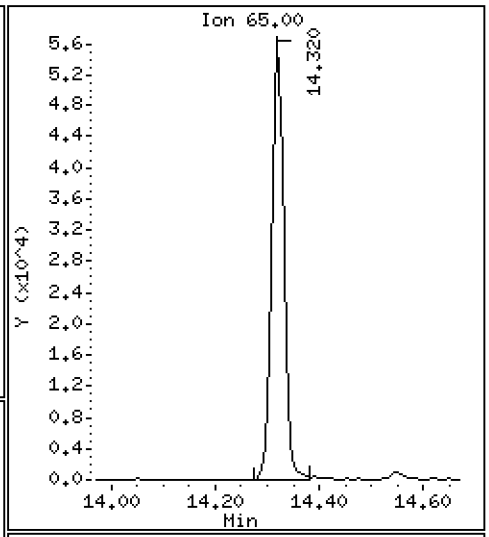
Concentration: 5.326 ug/mL

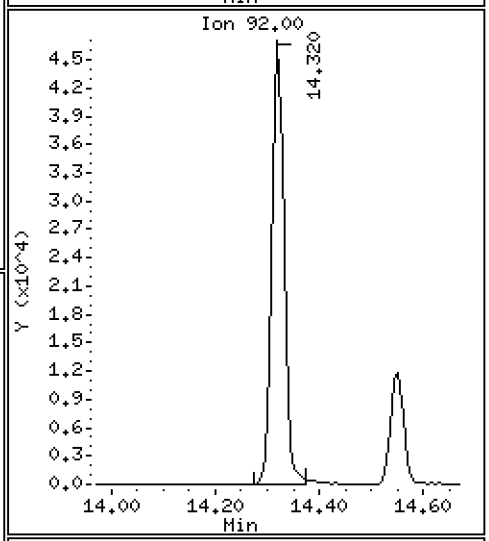


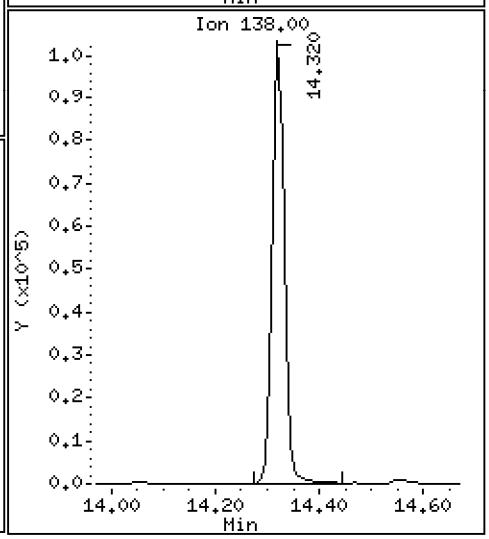












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

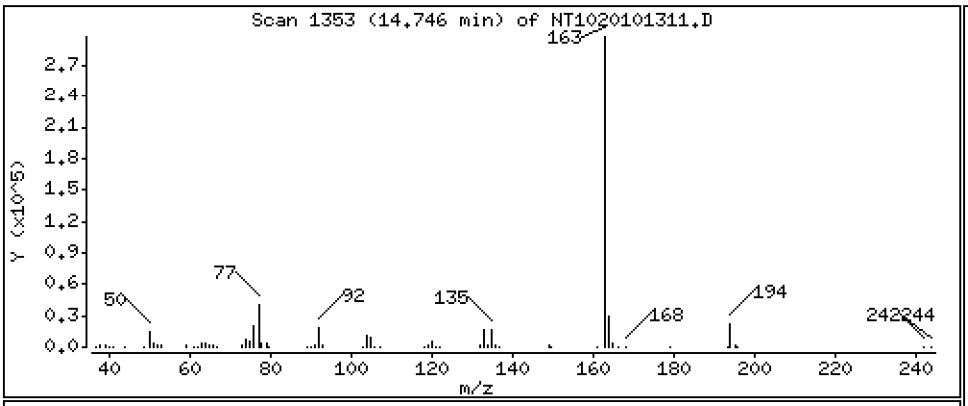
Operator: VTS

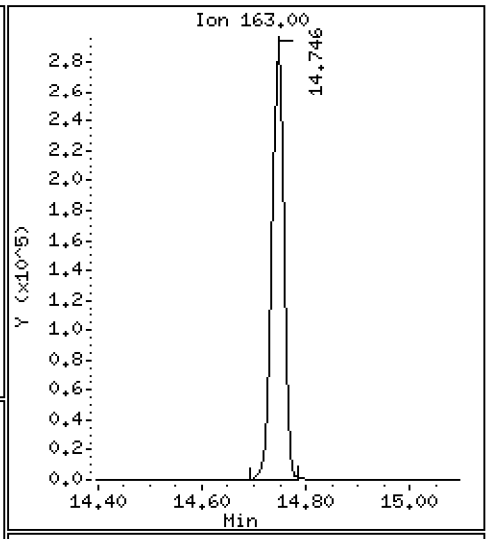
Column phase: ZB-5msi

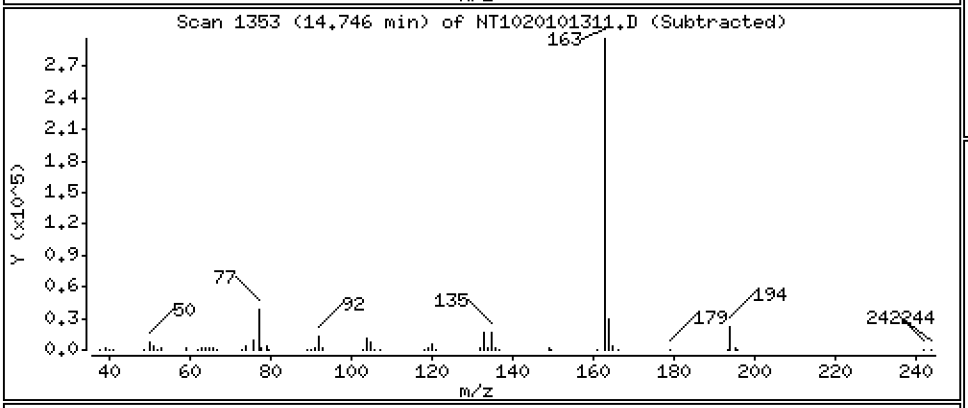
Column diameter: 0.25

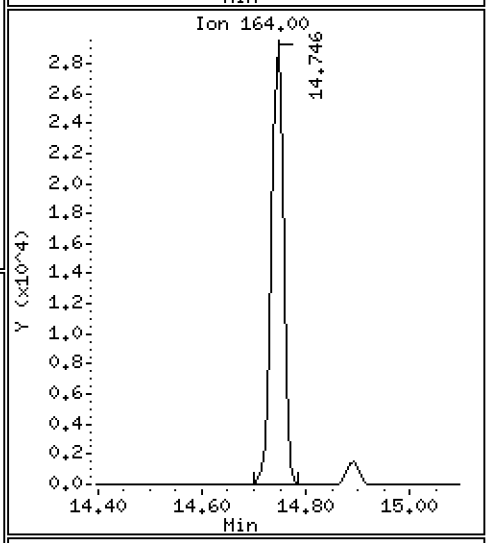
39 Dimethylphthalate

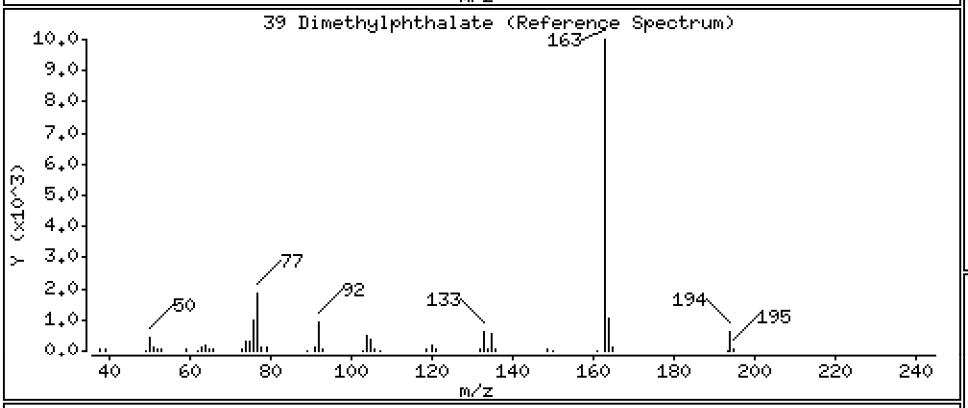
Concentration: 4.796 ug/mL

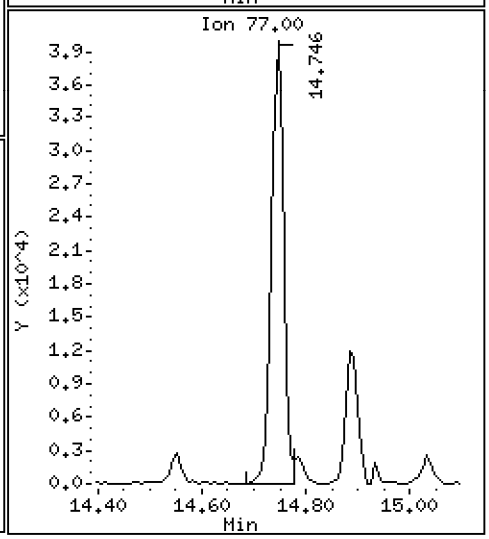


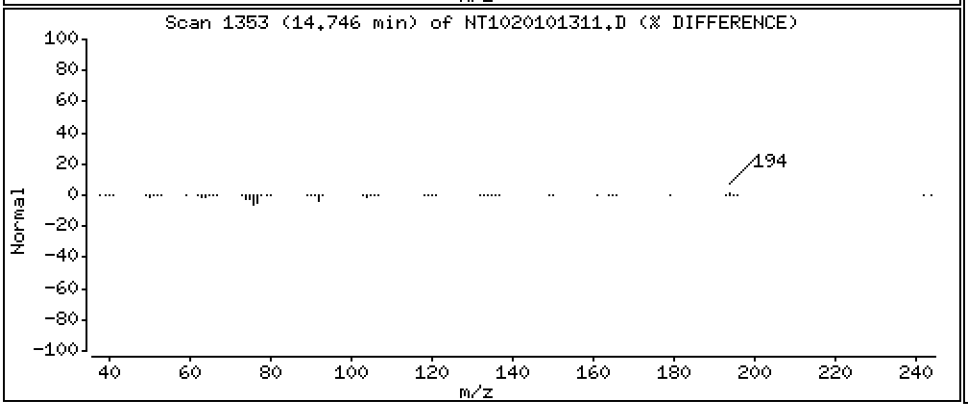












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

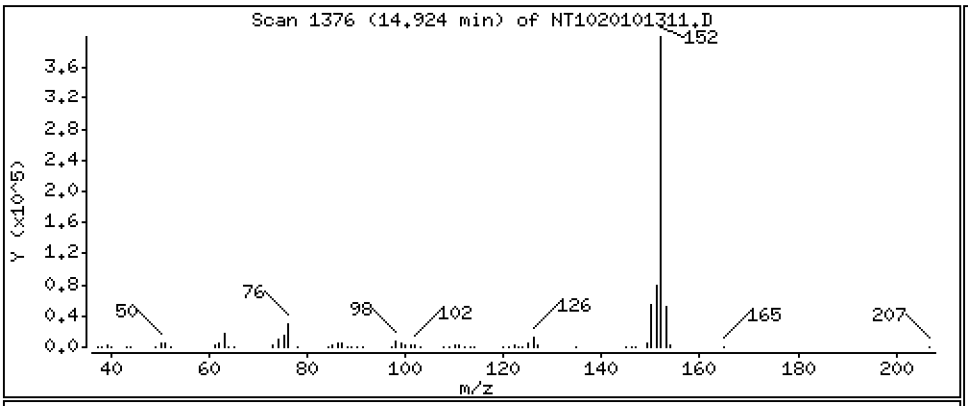
Operator: VTS

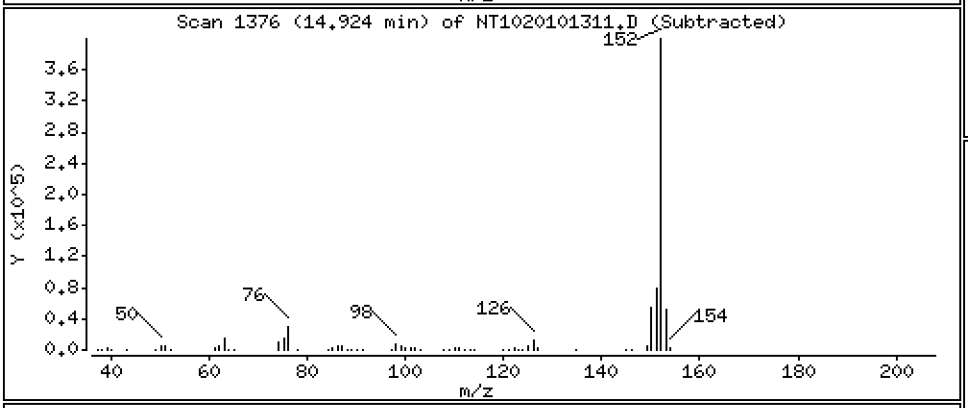
Column phase: ZB-5msi

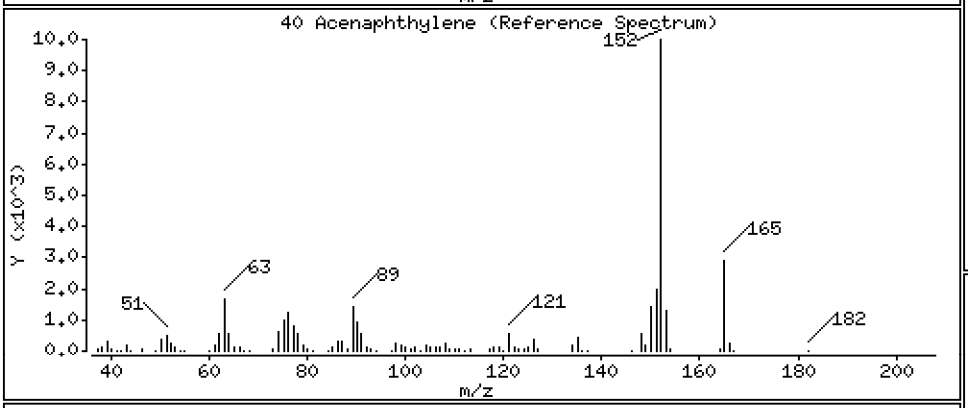
Column diameter: 0.25

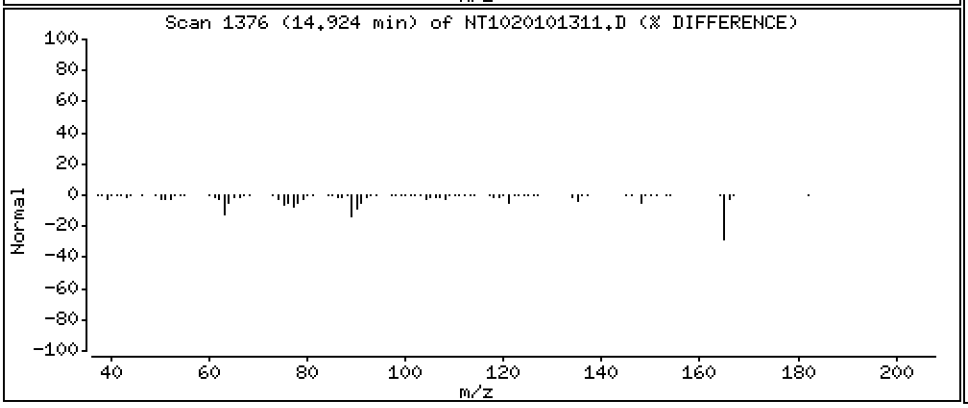
40 Acenaphthylene

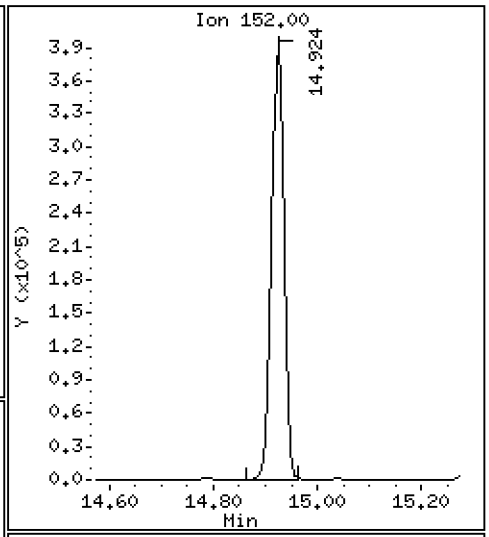
Concentration: 4.096 ug/mL

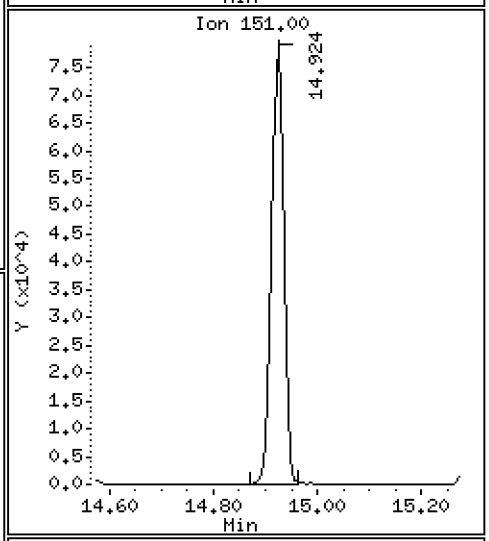


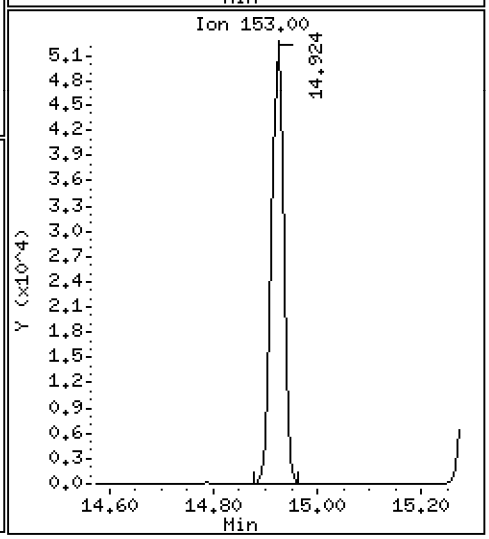












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

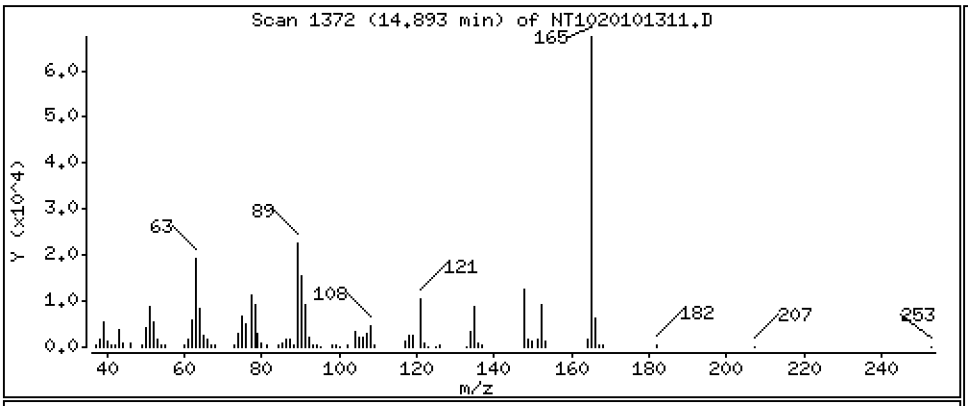
Operator: VTS

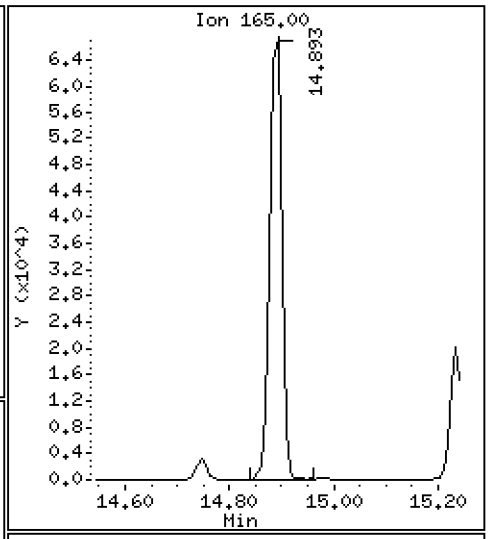
Column phase: ZB-5msi

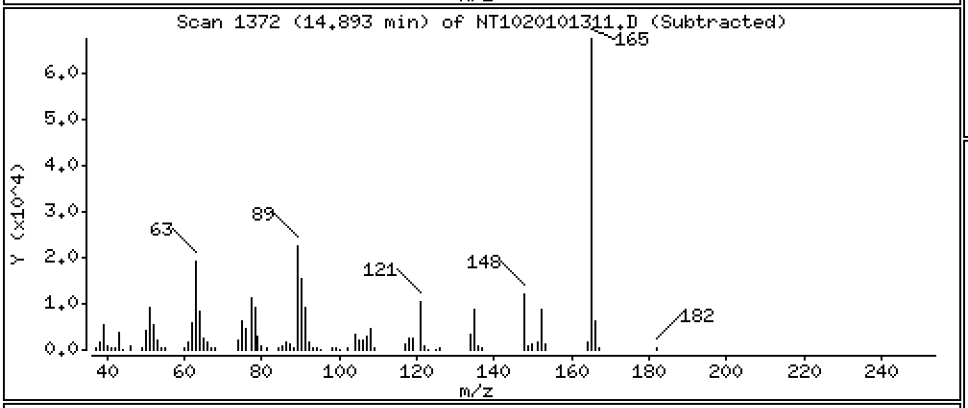
Column diameter: 0.25

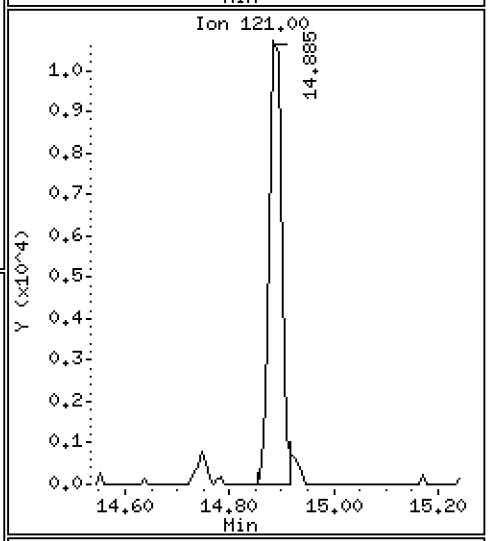
41 2,6-Dinitrotoluene

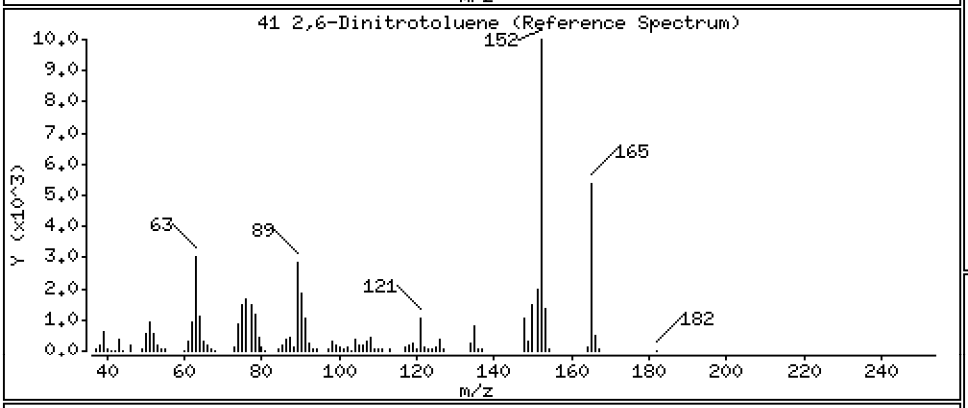
Concentration: 4.873 ug/mL

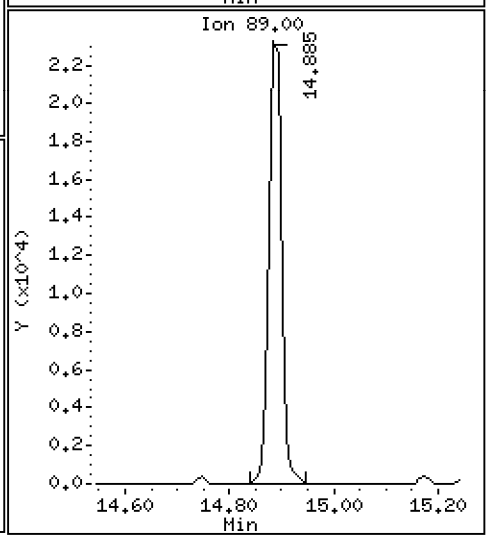


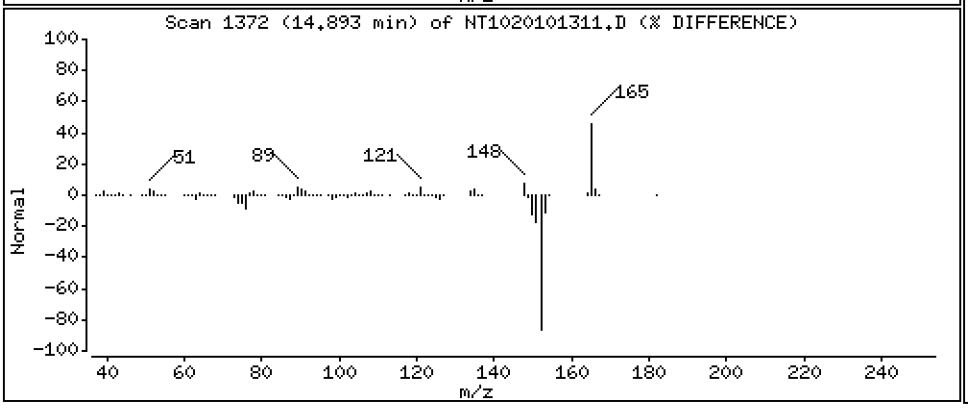












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

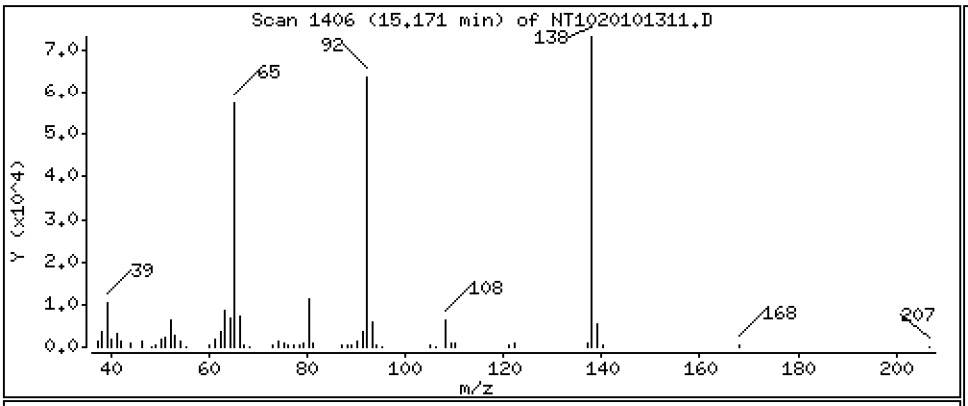
Operator: VTS

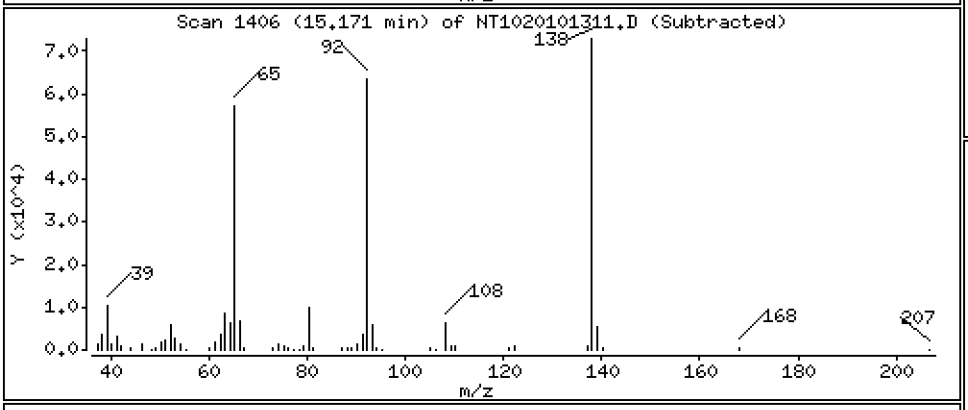
Column phase: ZB-5msi

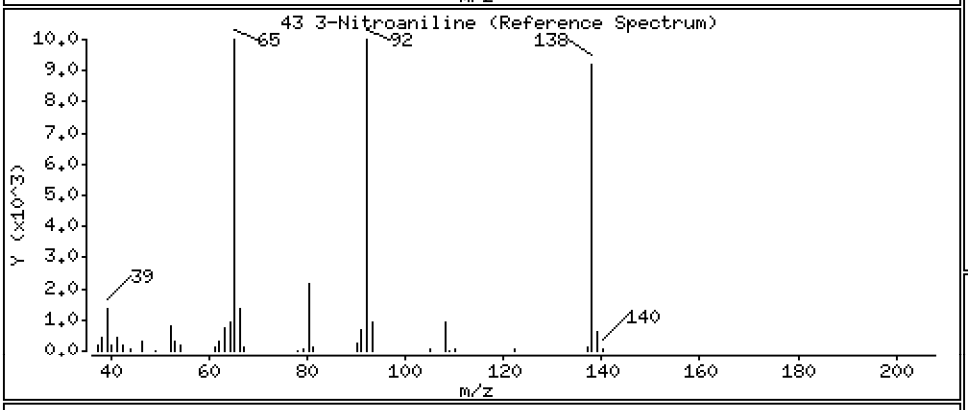
Column diameter: 0.25

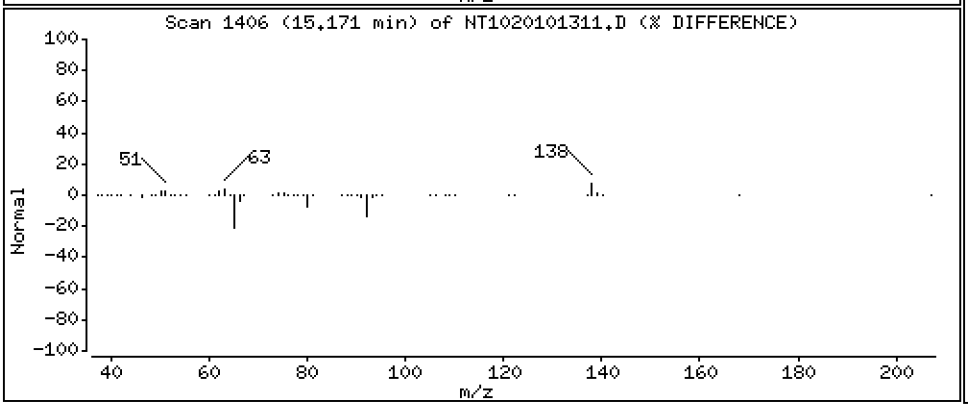
43 3-Nitroaniline

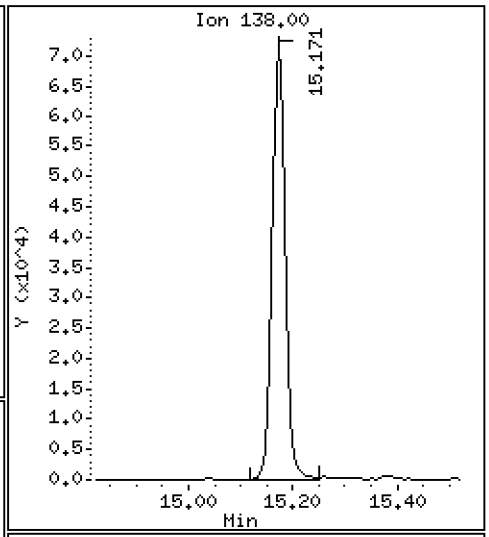
Concentration: 5.167 ug/mL

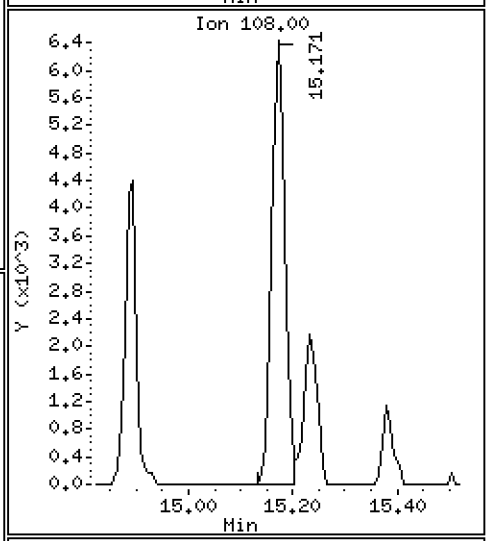


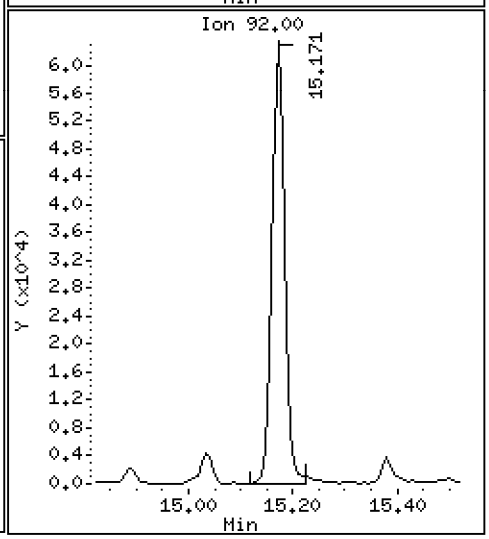












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

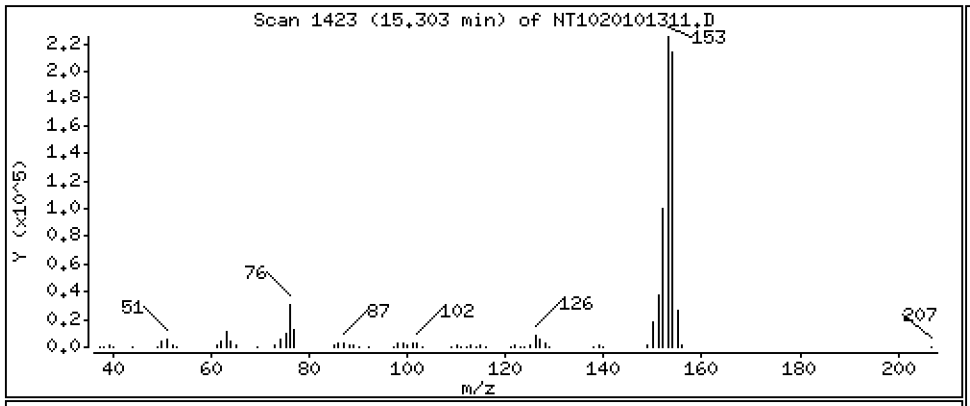
Operator: VTS

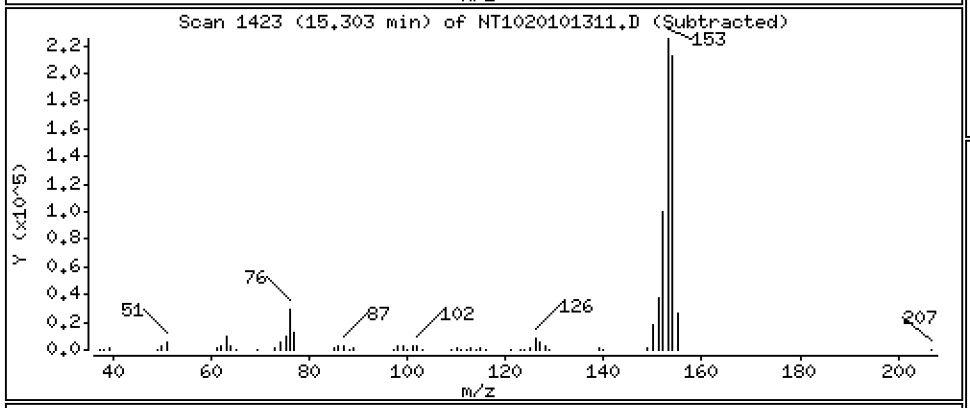
Column phase: ZB-5msi

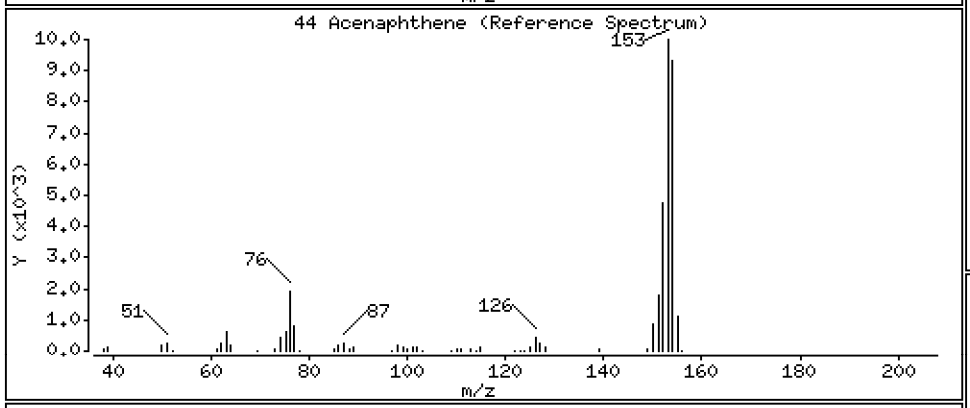
Column diameter: 0.25

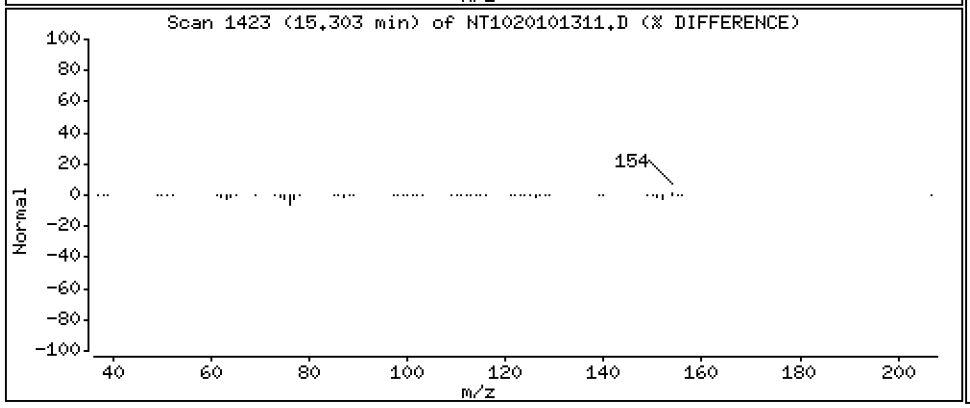
44 Acenaphthene

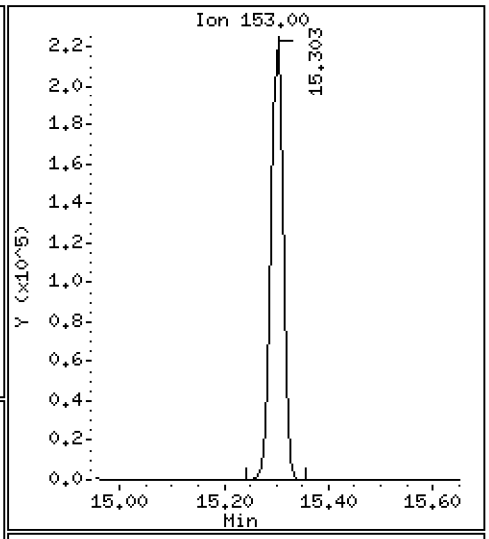
Concentration: 4.523 ug/mL

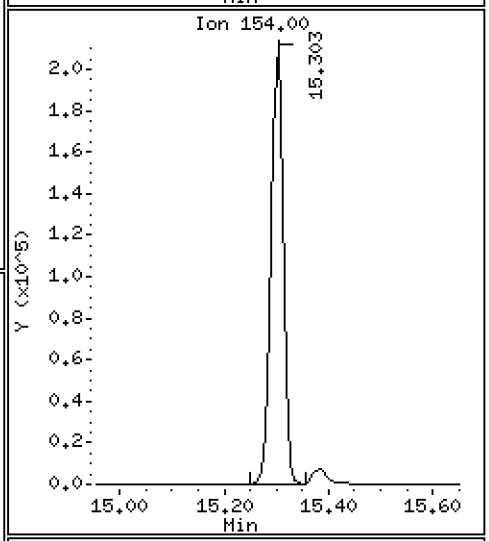


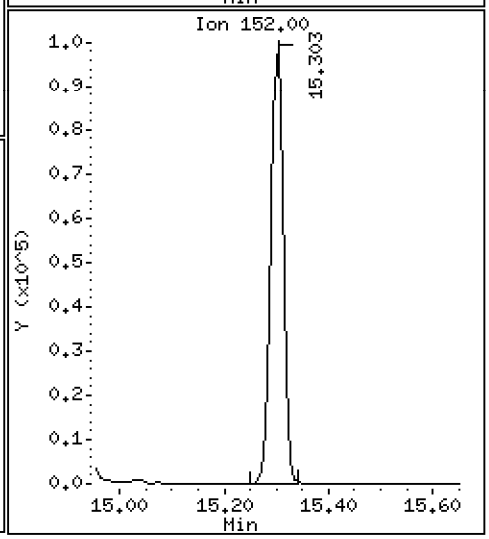












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

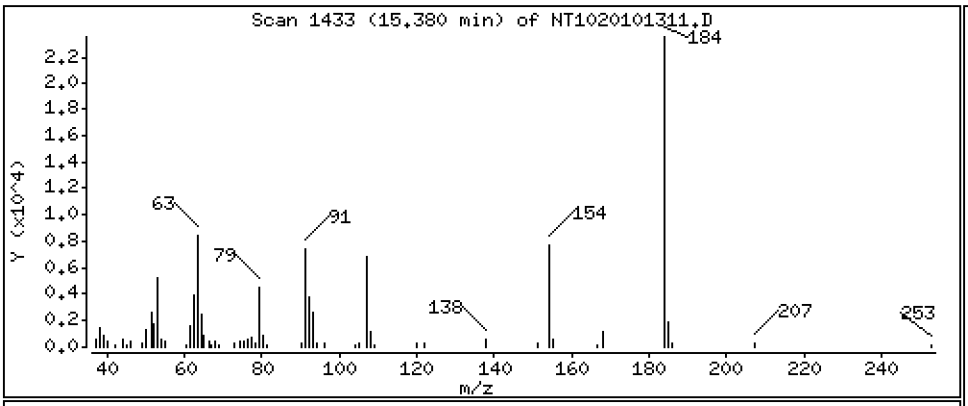
Operator: VTS

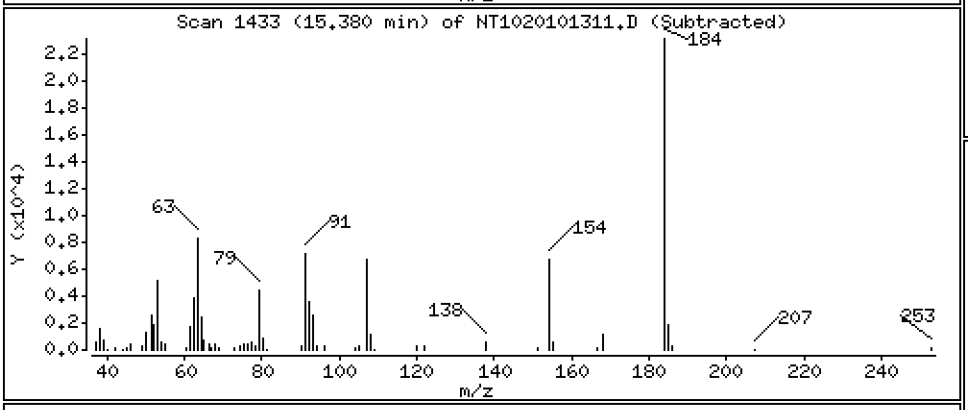
Column phase: ZB-5msi

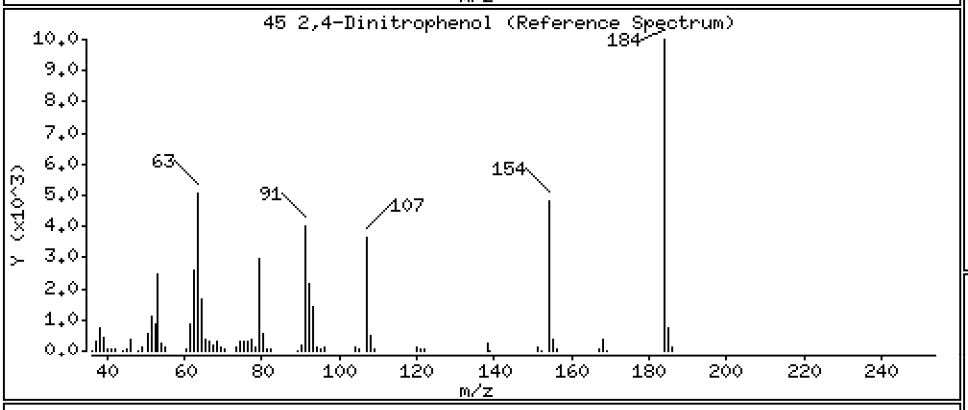
Column diameter: 0.25

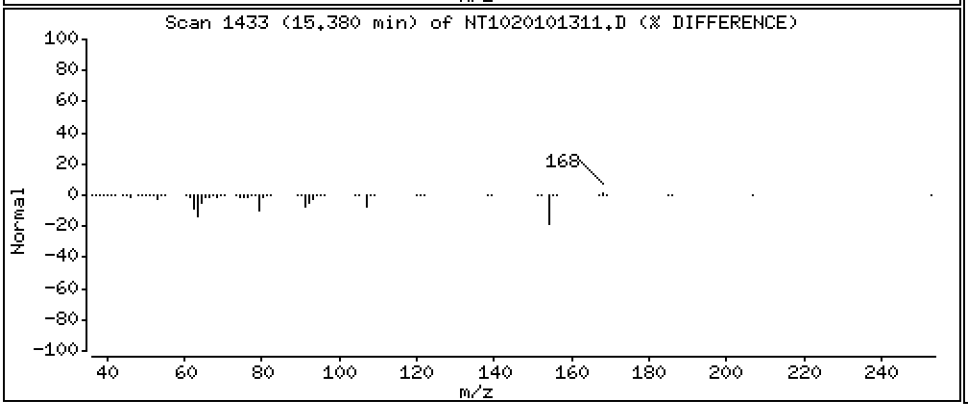
45 2,4-Dinitrophenol

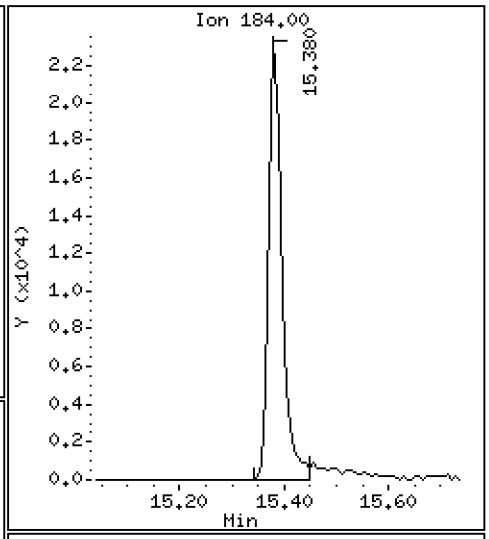
Concentration: 2.539 ug/mL

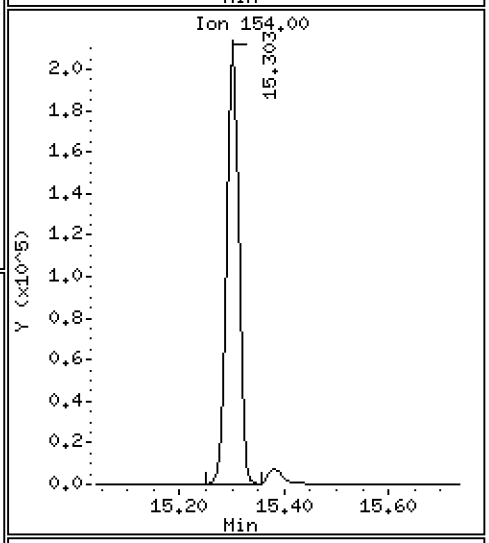


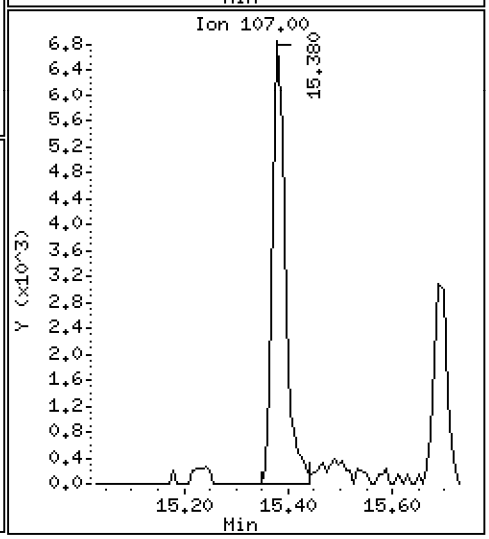












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

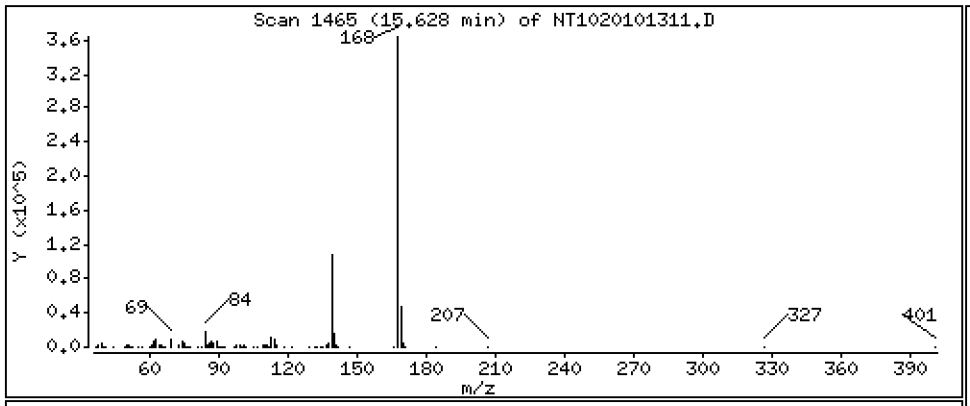
Operator: VTS

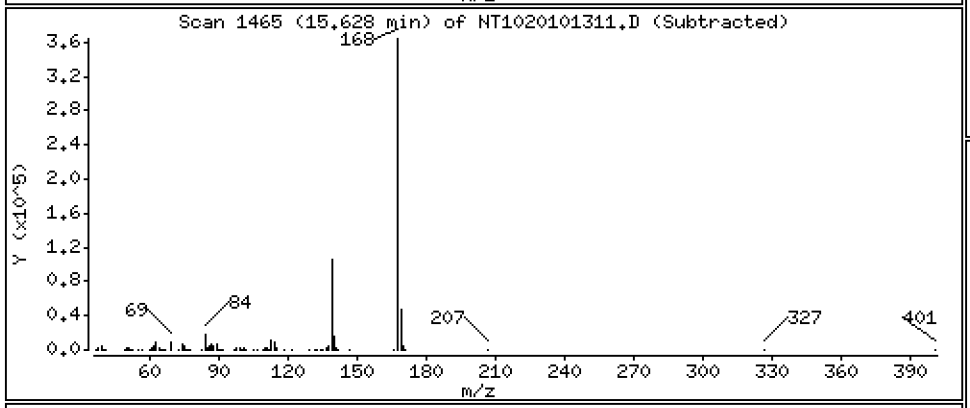
Column phase: ZB-5msi

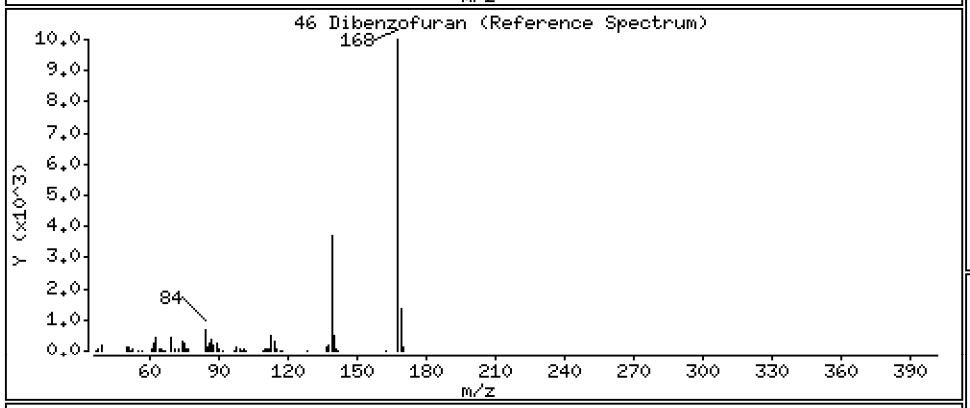
Column diameter: 0.25

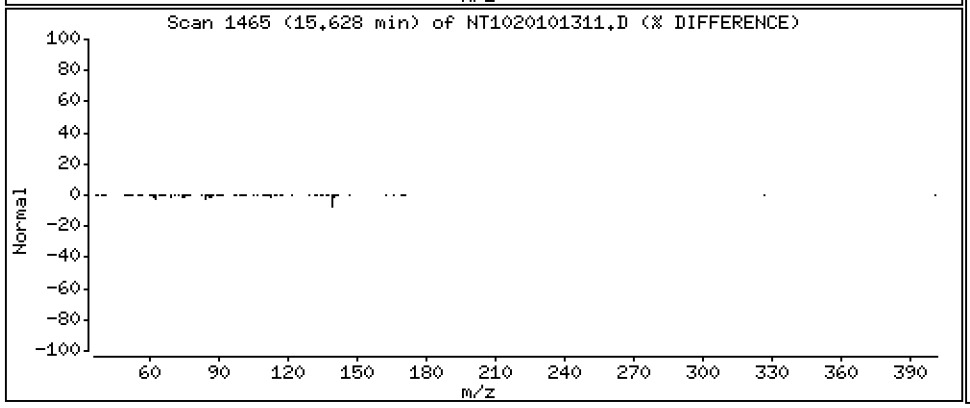
46 Dibenzofuran

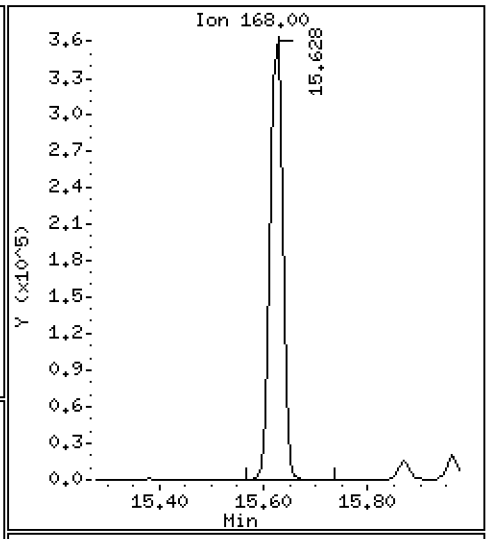
Concentration: 4.866 ug/mL

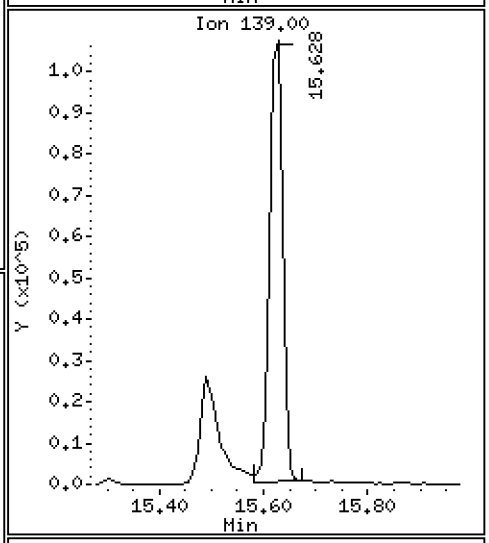


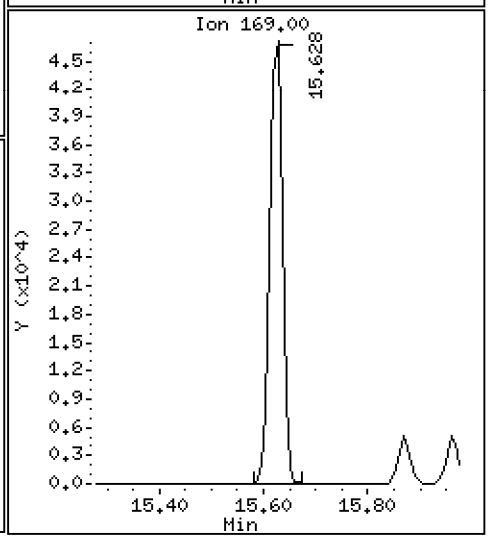












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

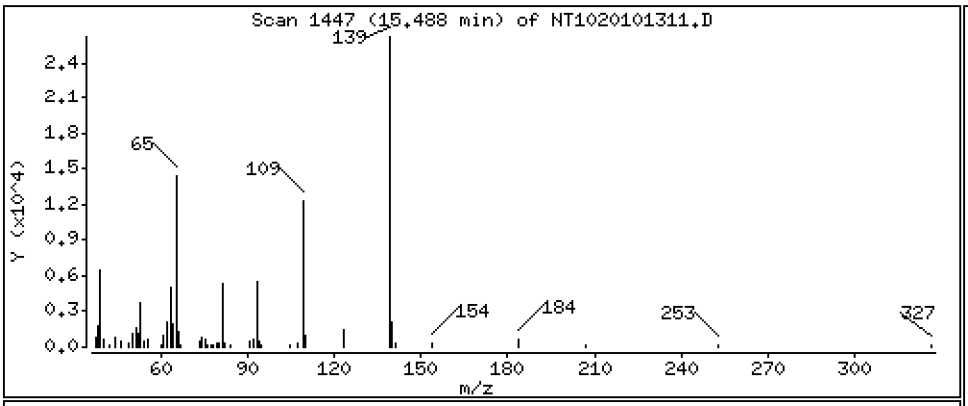
Operator: VTS

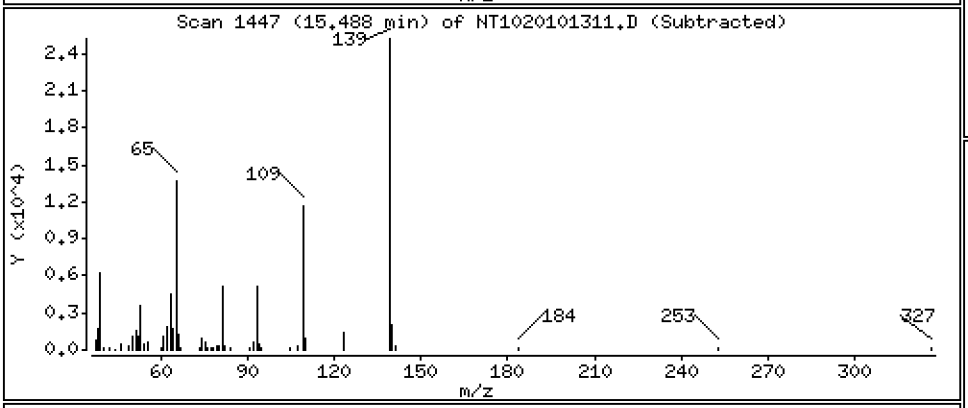
Column phase: ZB-5msi

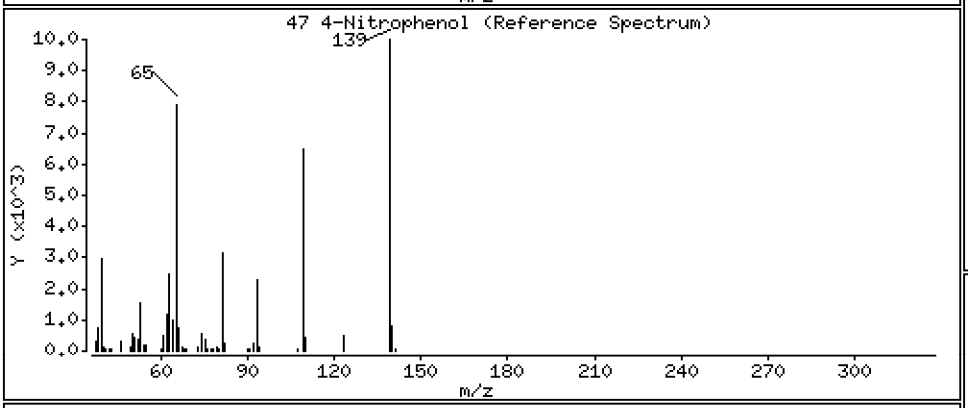
Column diameter: 0.25

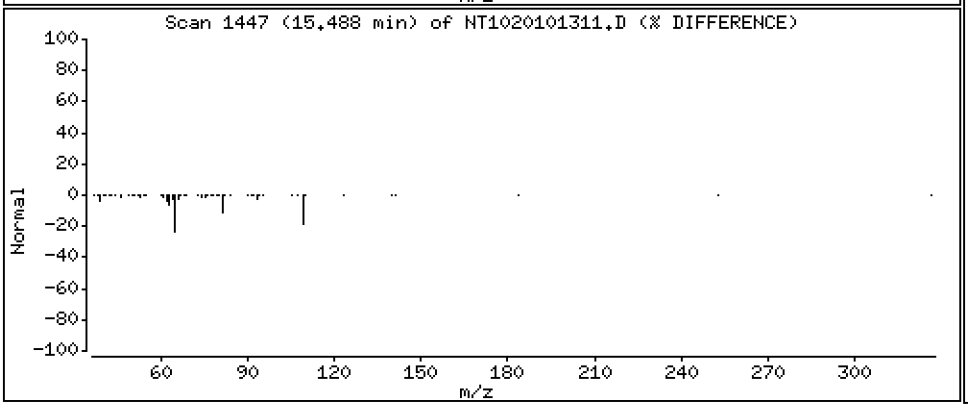
47 4-Nitrophenol

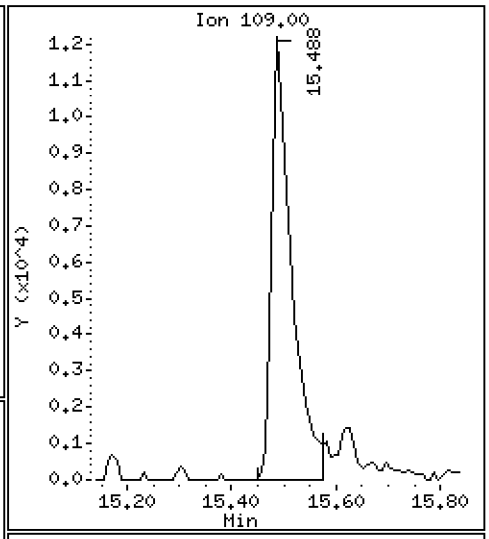
Concentration: 4.451 ug/mL

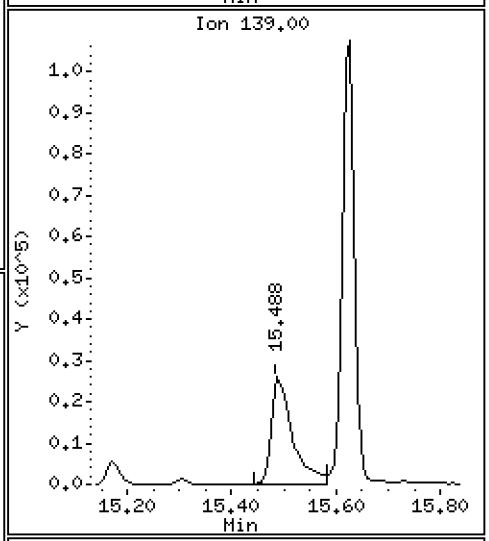


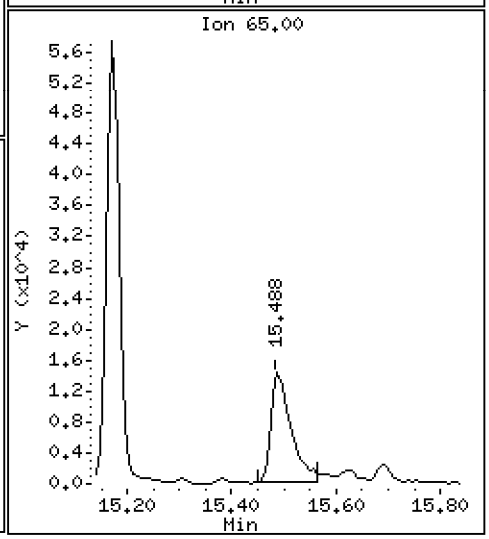












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

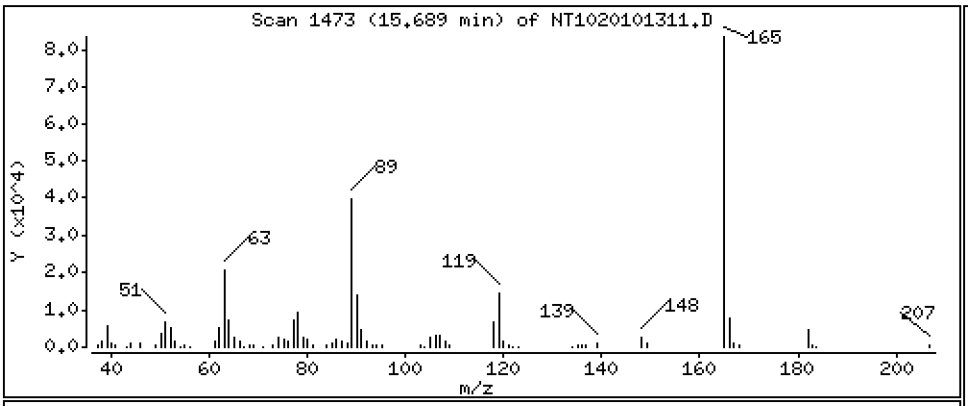
Operator: VTS

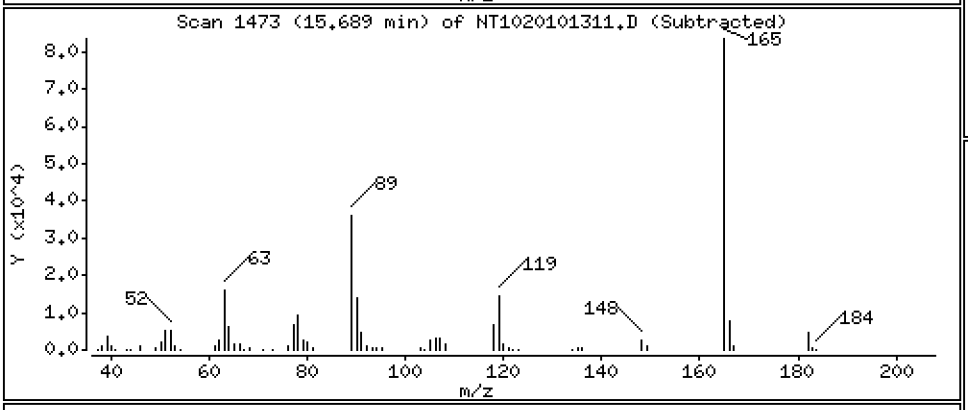
Column phase: ZB-5msi

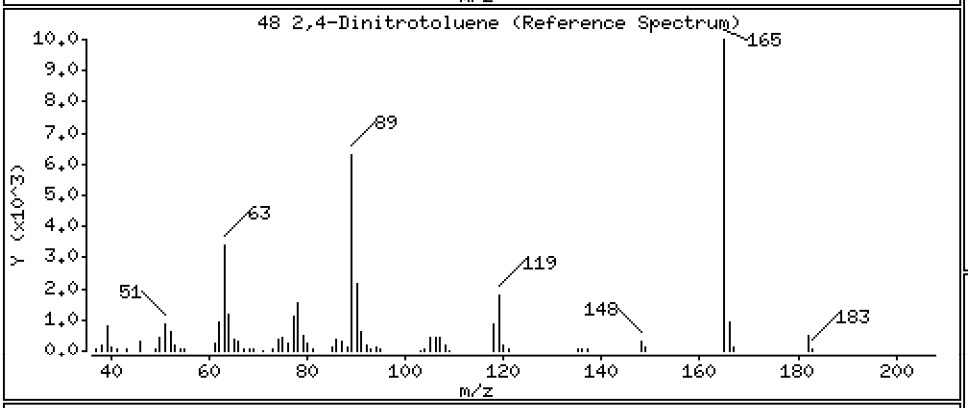
Column diameter: 0.25

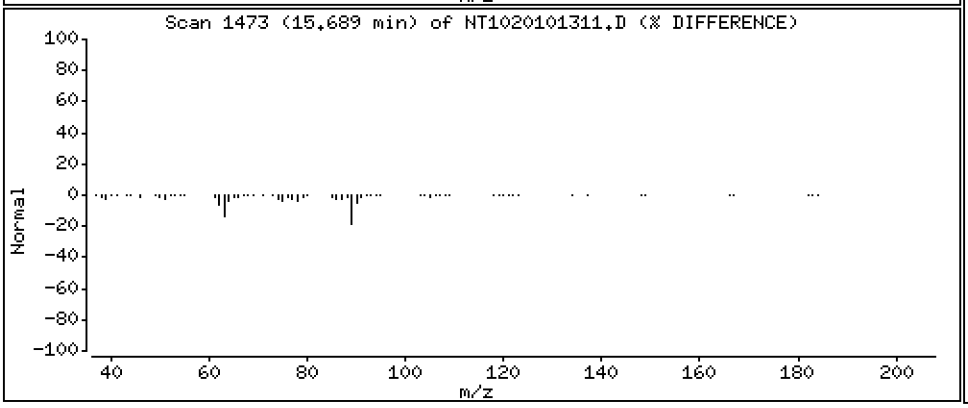
48 2,4-Dinitrotoluene

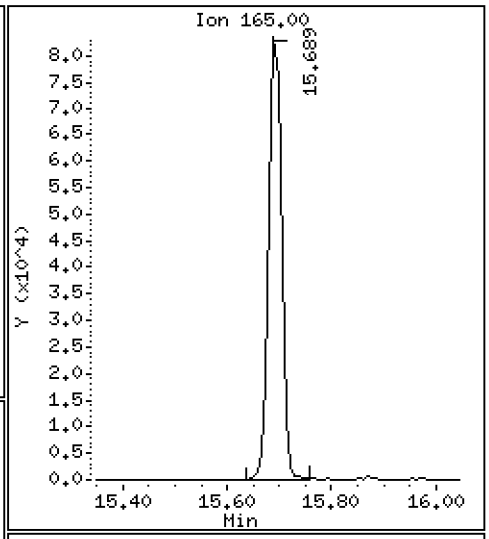
Concentration: 4.912 ug/mL

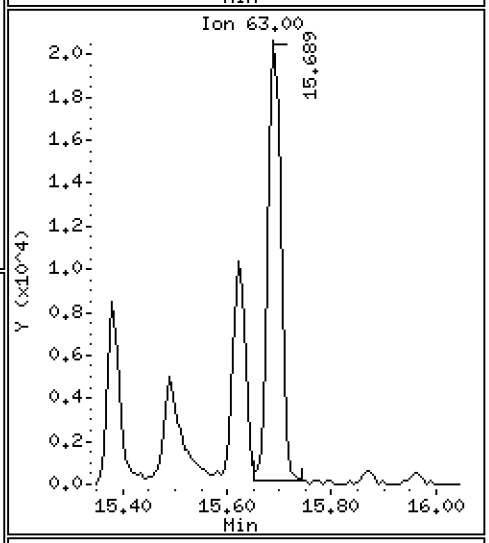


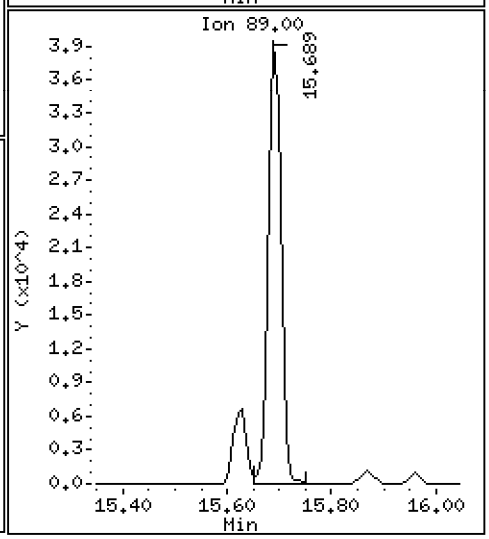












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

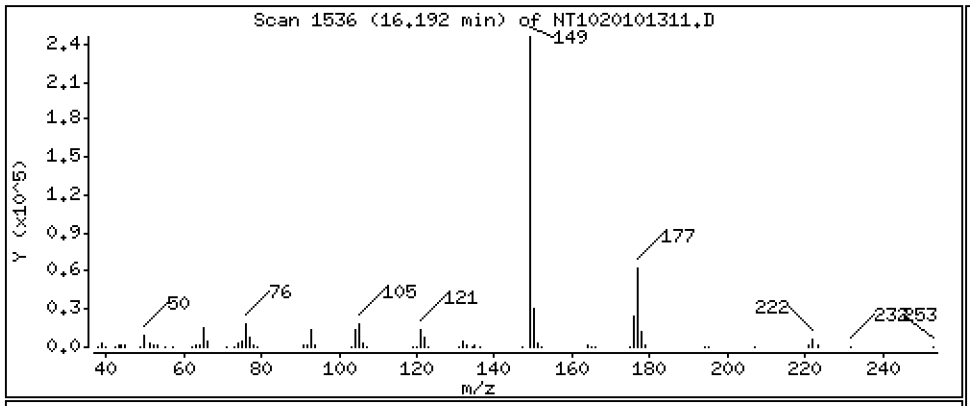
Operator: VTS

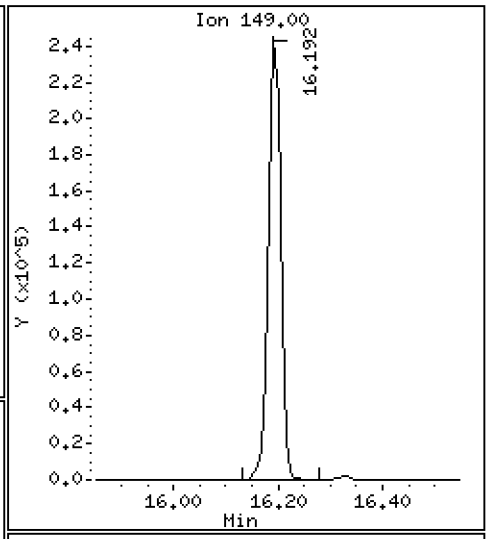
Column phase: ZB-5msi

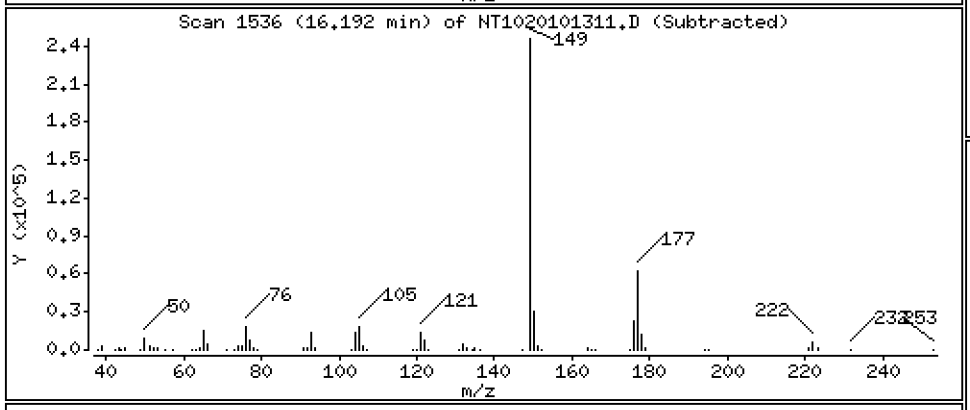
Column diameter: 0.25

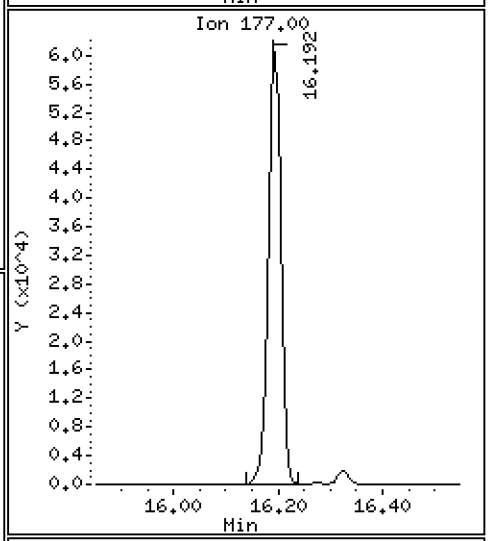
50 Diethylphthalate

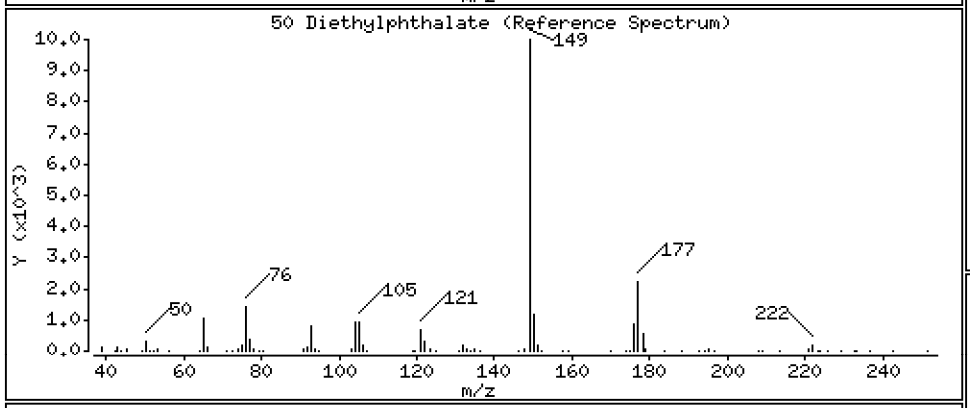
Concentration: 4.693 ug/mL

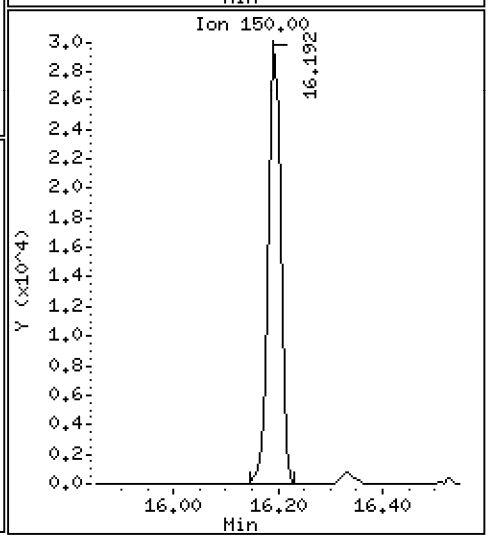


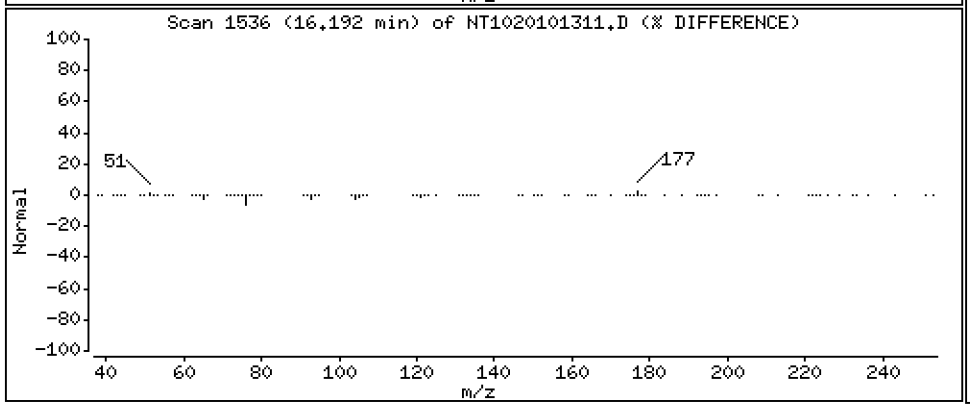












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

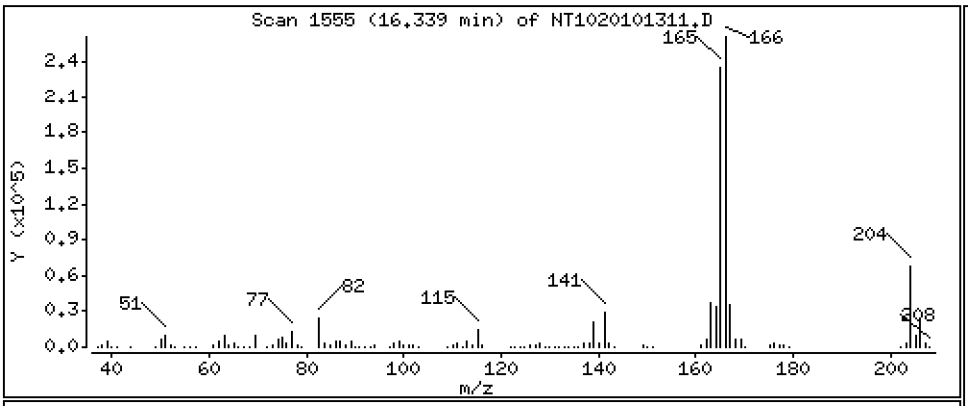
Operator: VTS

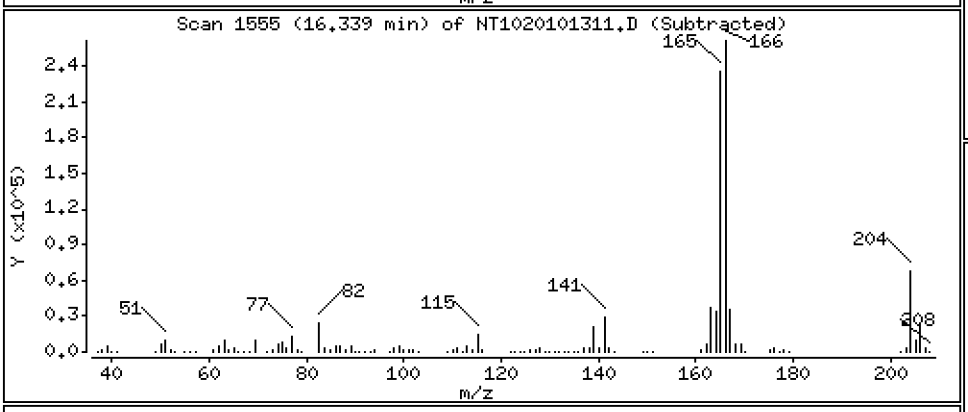
Column phase: ZB-5msi

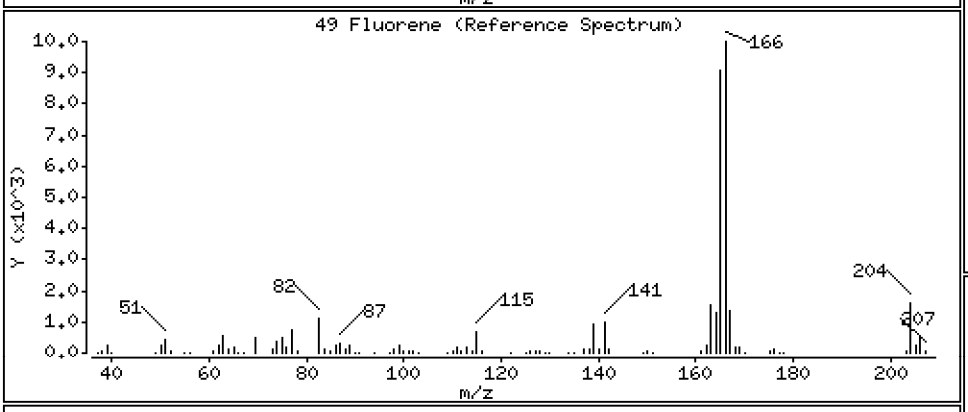
Column diameter: 0.25

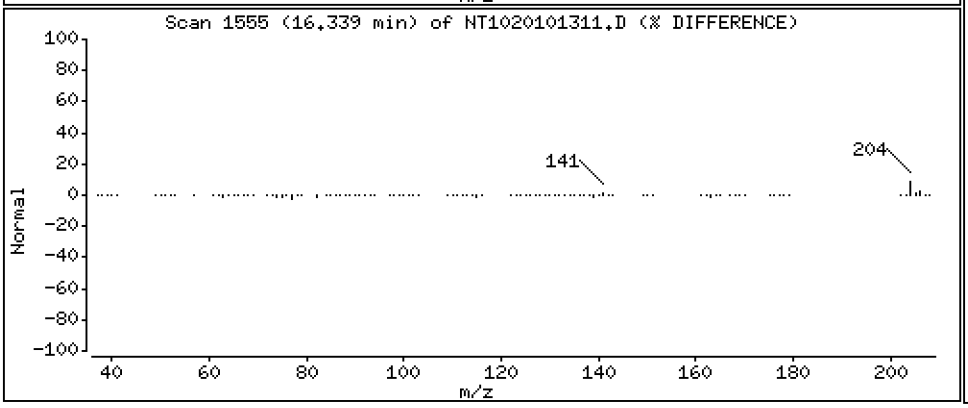
49 Fluorene

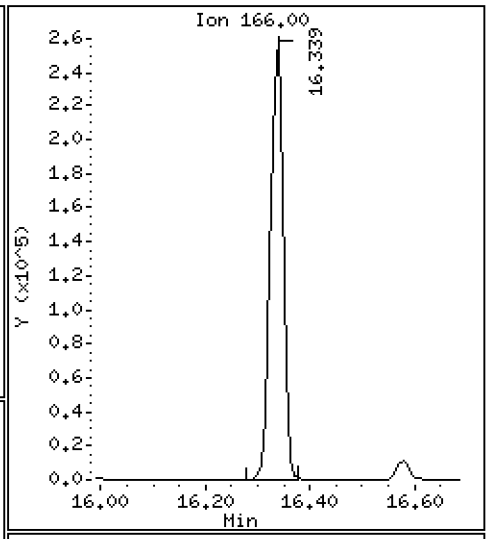
Concentration: 4.390 ug/mL

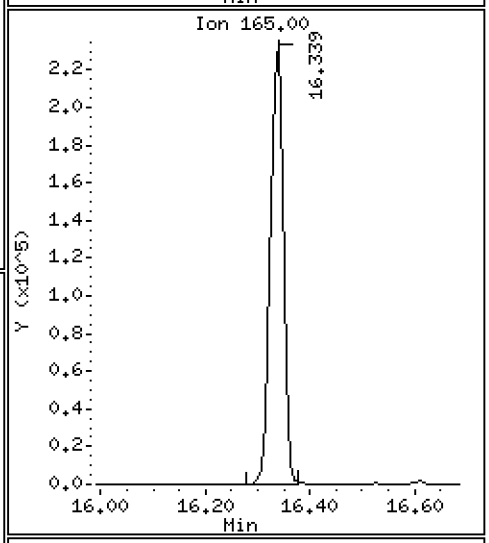


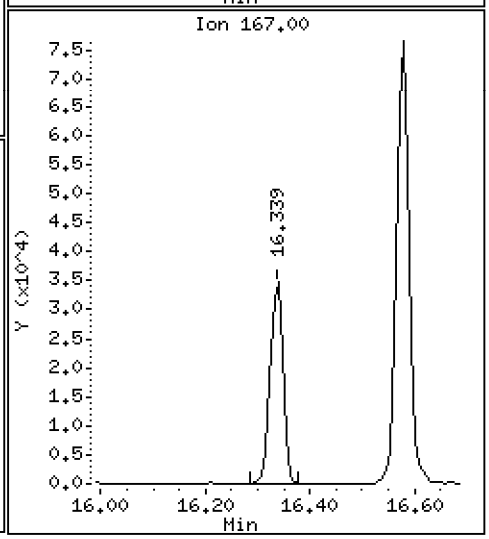












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

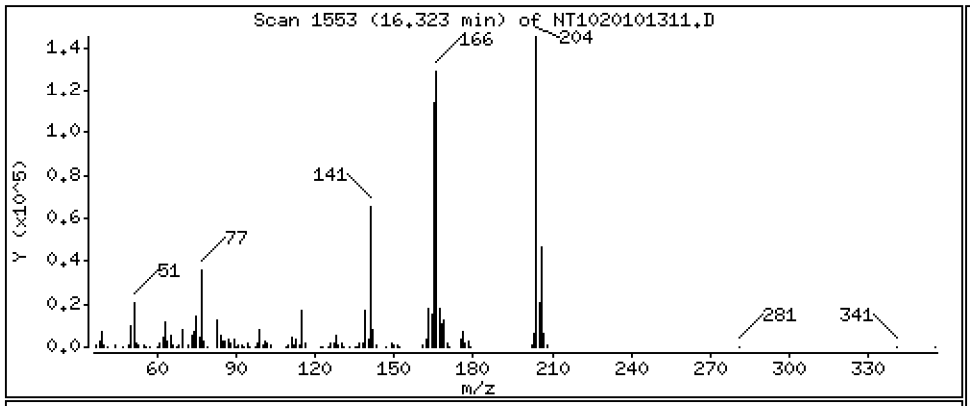
Operator: VTS

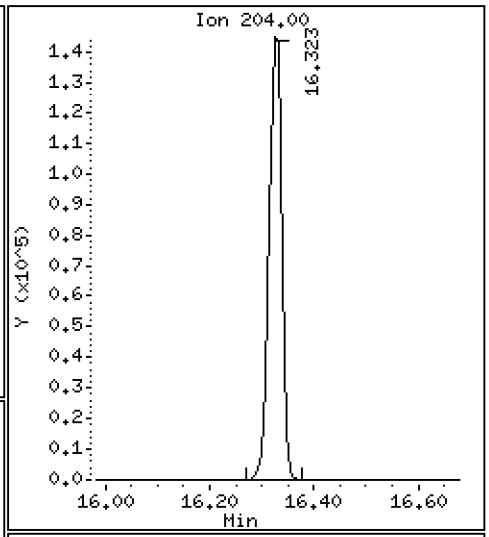
Column phase: ZB-5msi

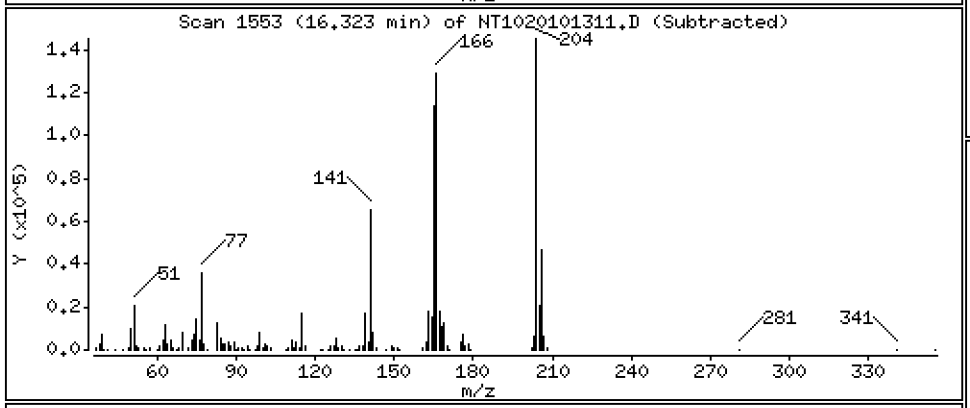
Column diameter: 0.25

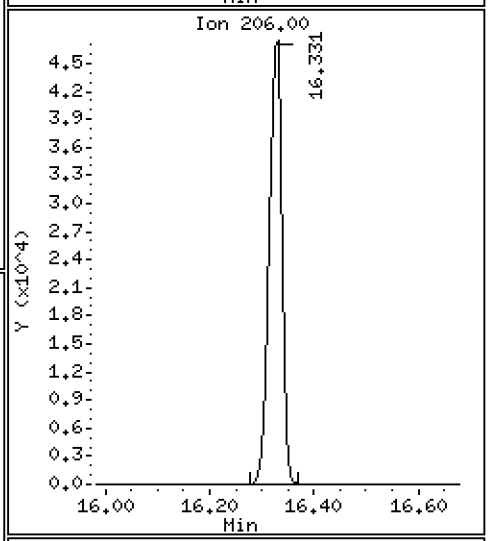
51 4-Chlorophenyl-phenylether

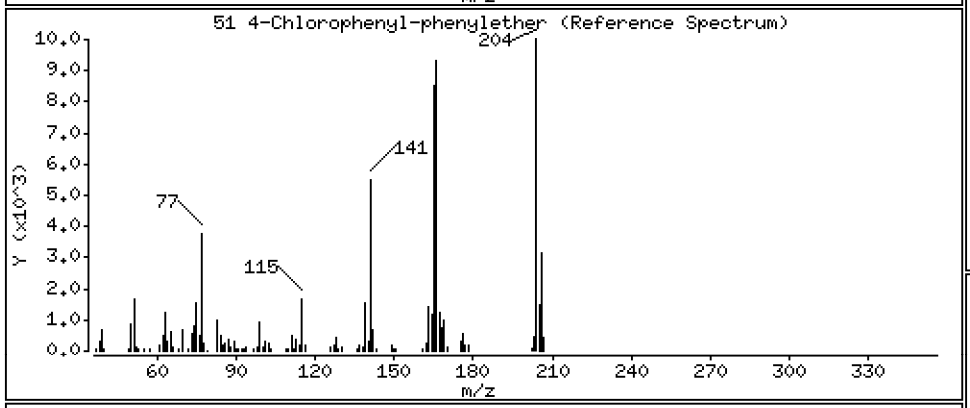
Concentration: 4.649 ug/mL

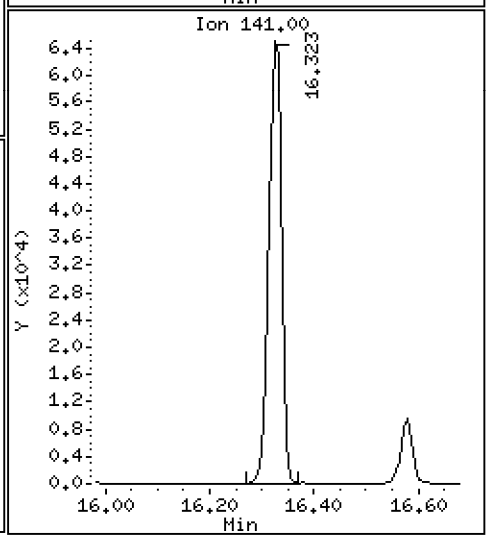


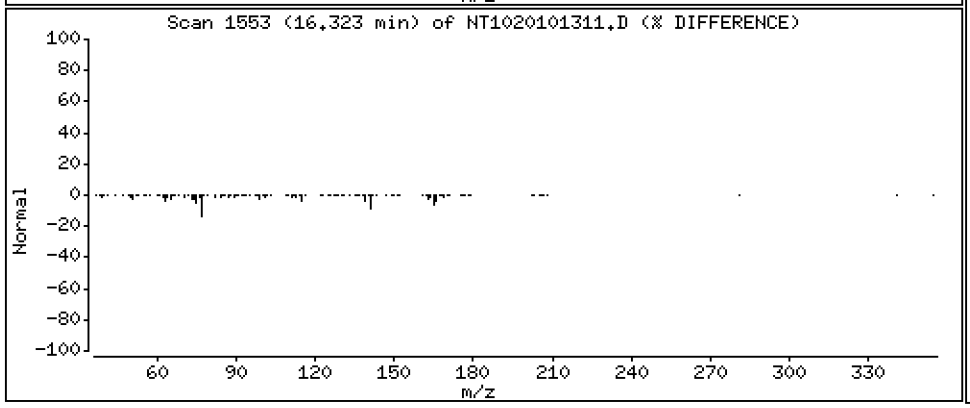












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

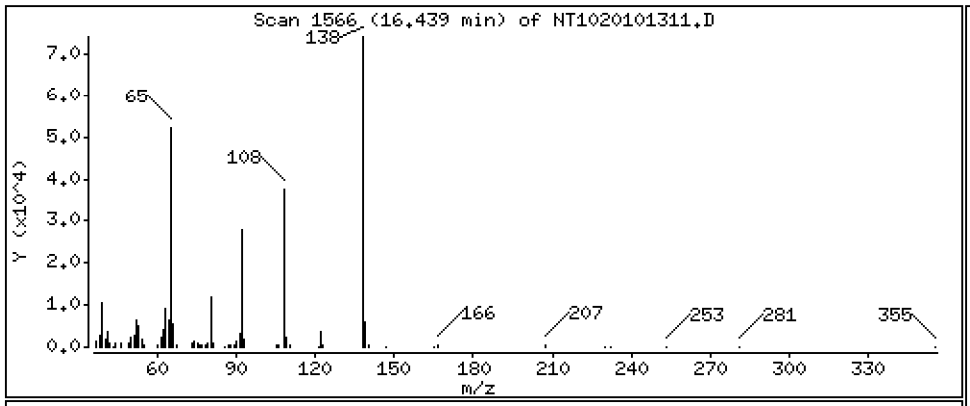
Operator: VTS

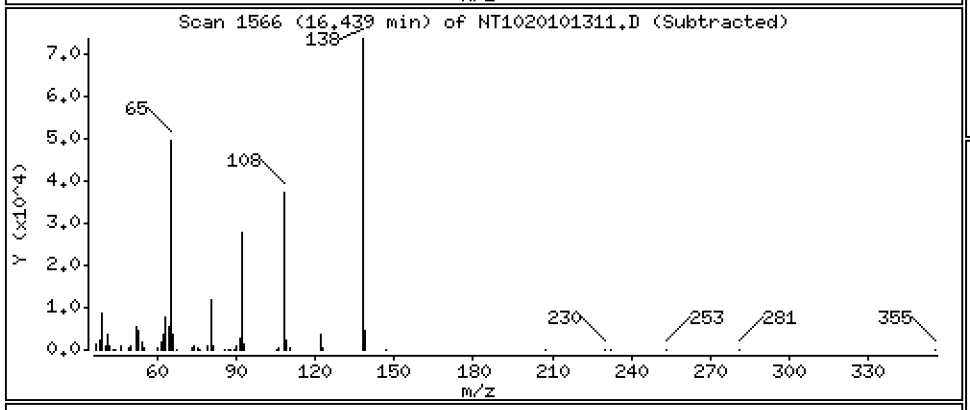
Column phase: ZB-5msi

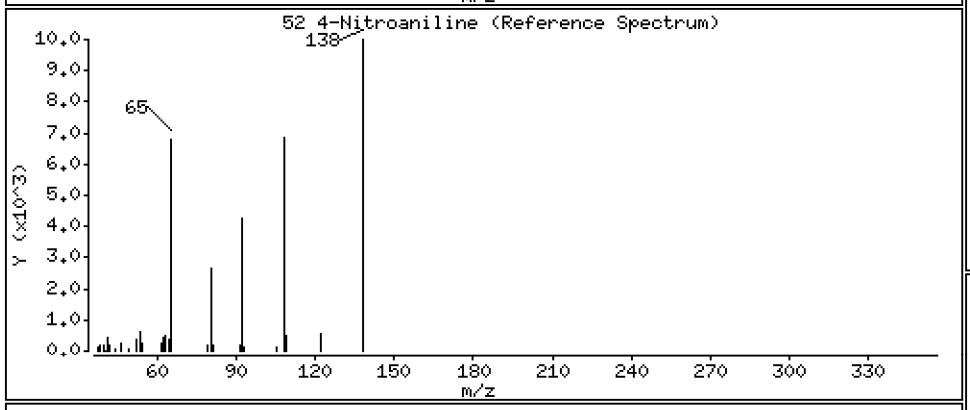
Column diameter: 0.25

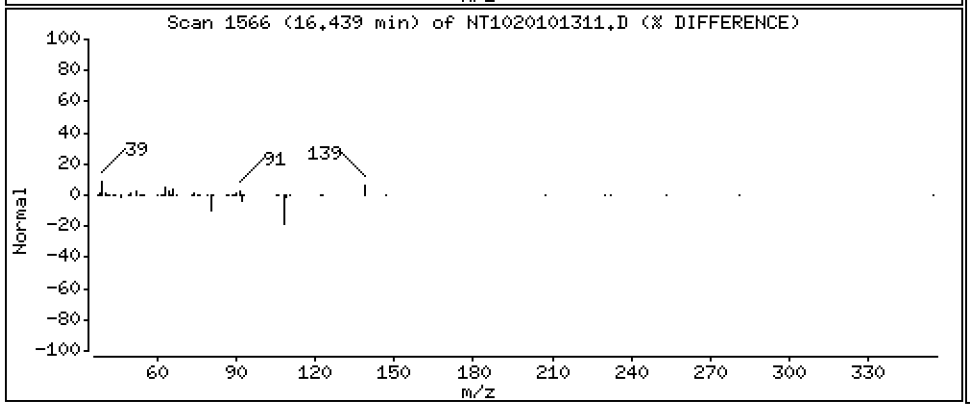
52 4-Nitroaniline

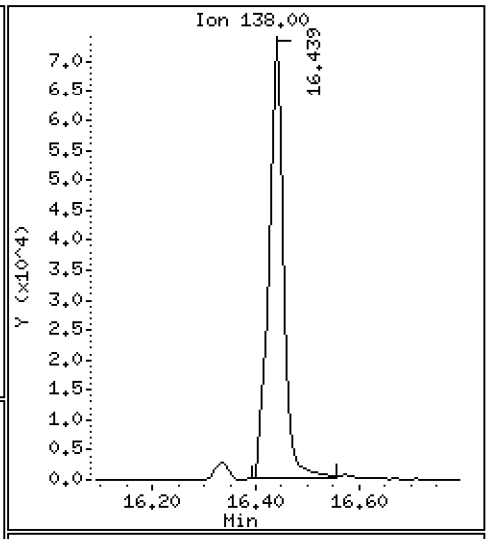
Concentration: 4.934 ug/mL

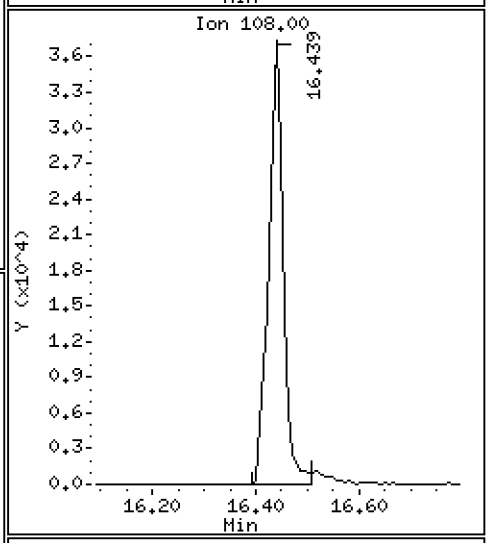


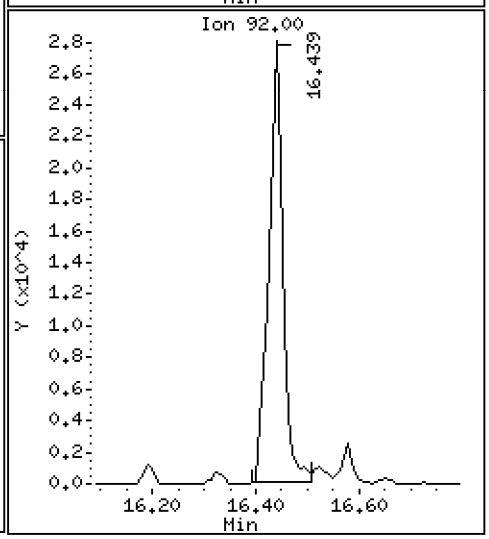












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

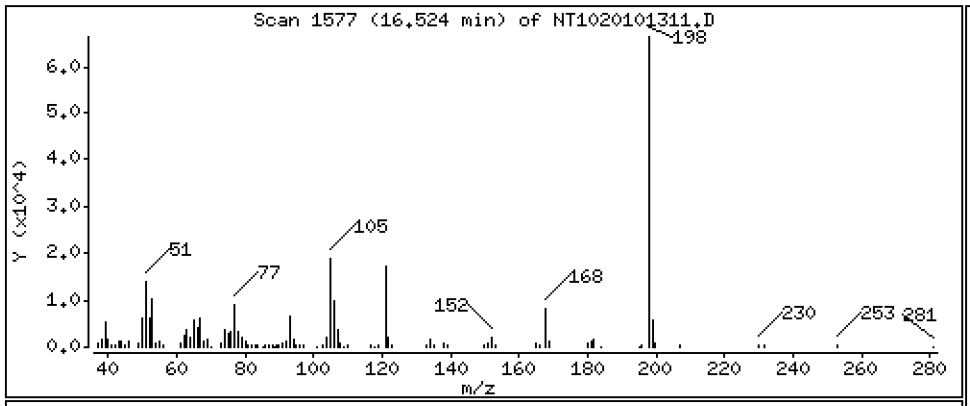
Operator: VTS

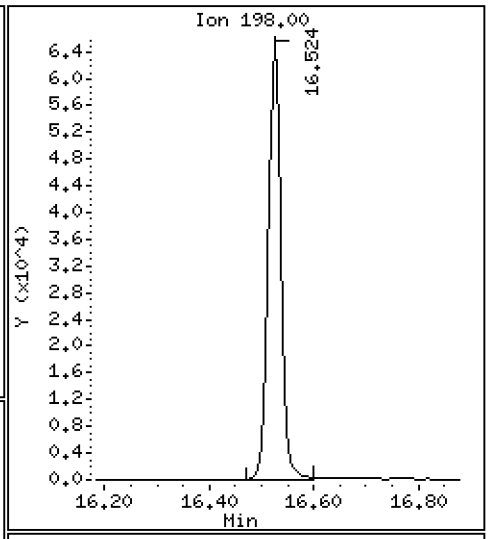
Column phase: ZB-5msi

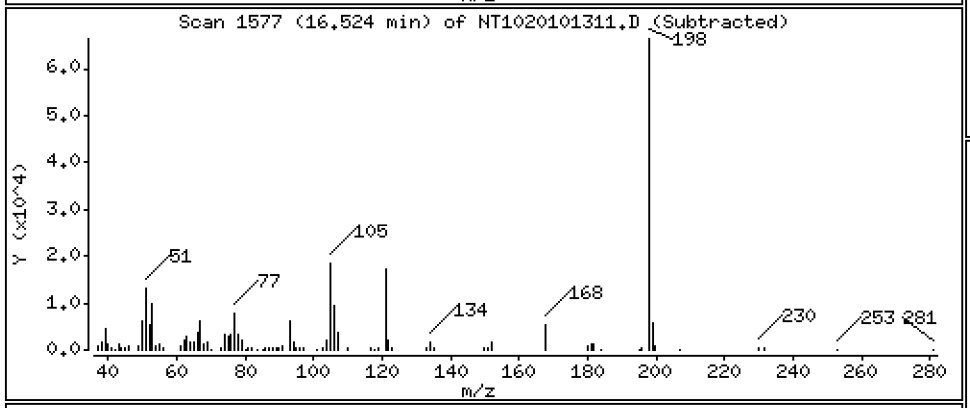
Column diameter: 0.25

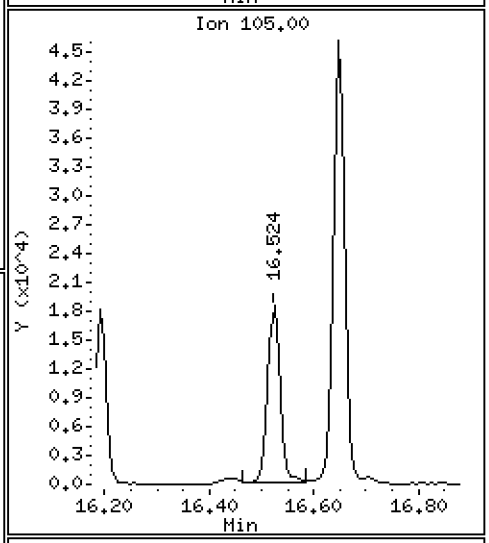
53 4,6-Dinitro-2-methylphenol

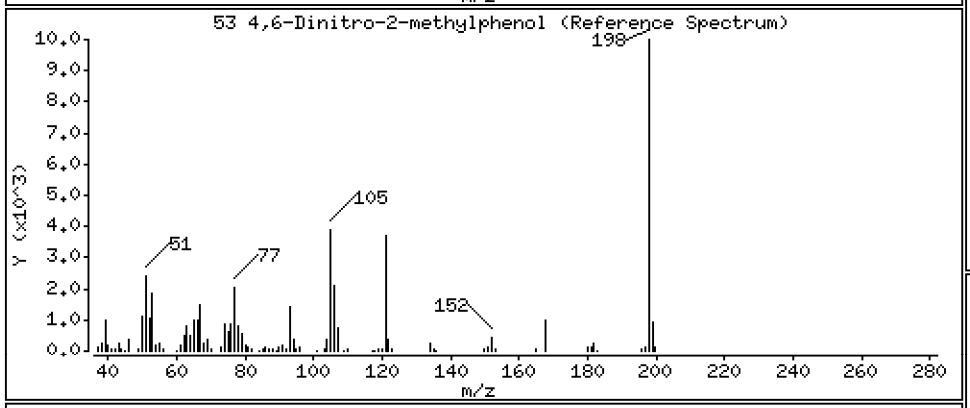
Concentration: 5.023 ug/mL

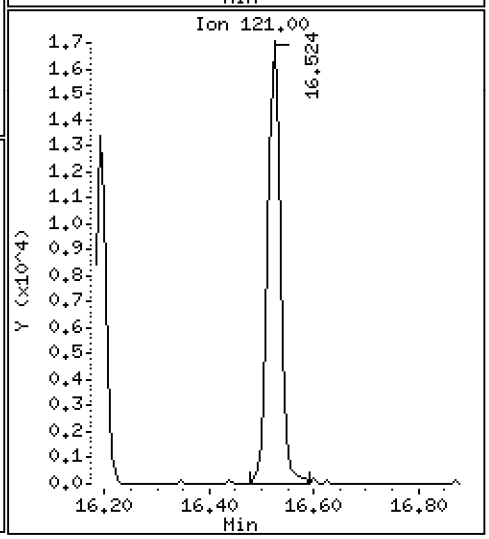


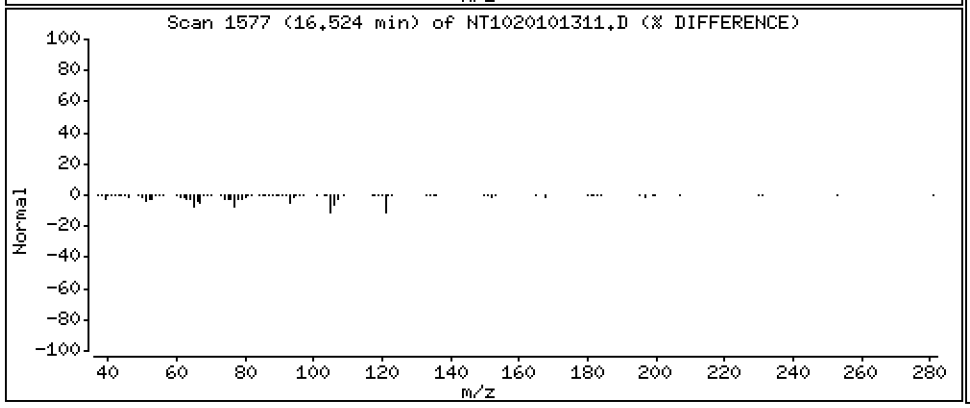












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

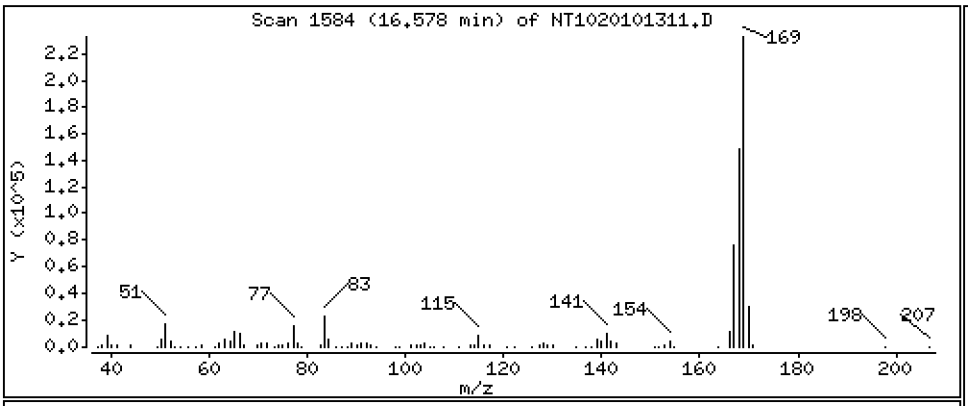
Operator: VTS

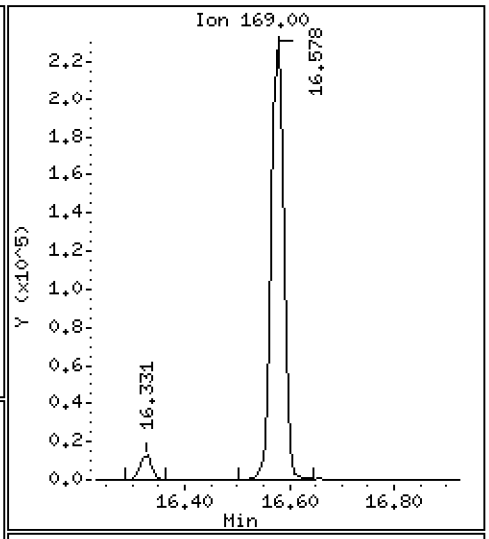
Column phase: ZB-5msi

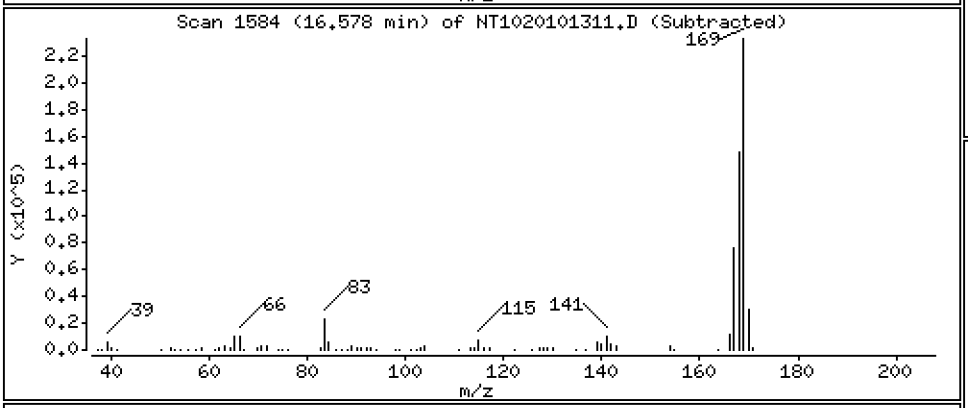
Column diameter: 0.25

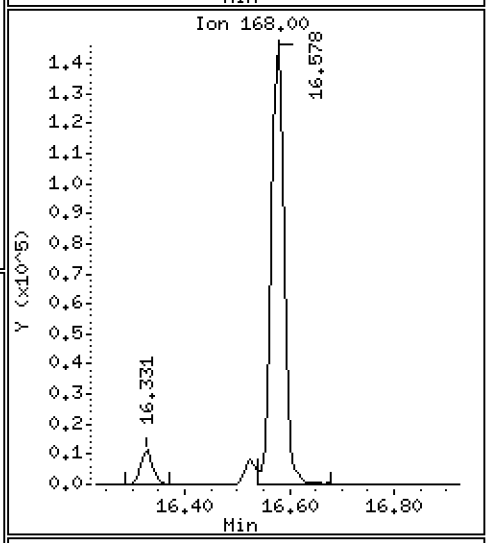
54 N-Nitrosodiphenylamine

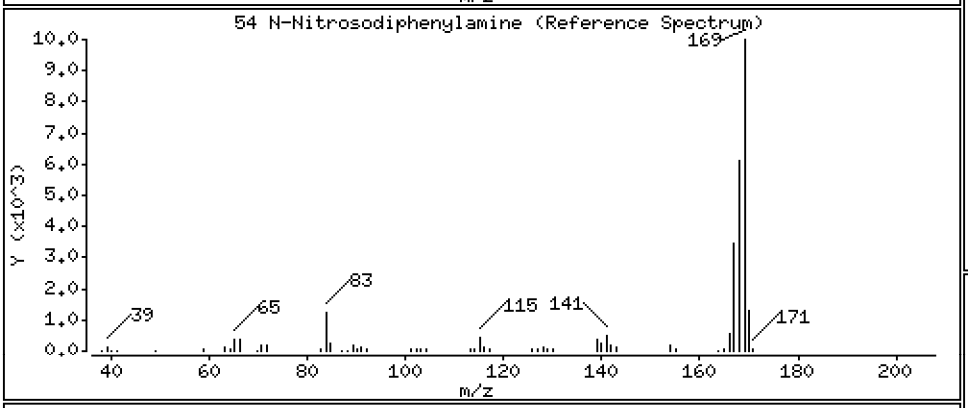
Concentration: 6.354 ug/mL

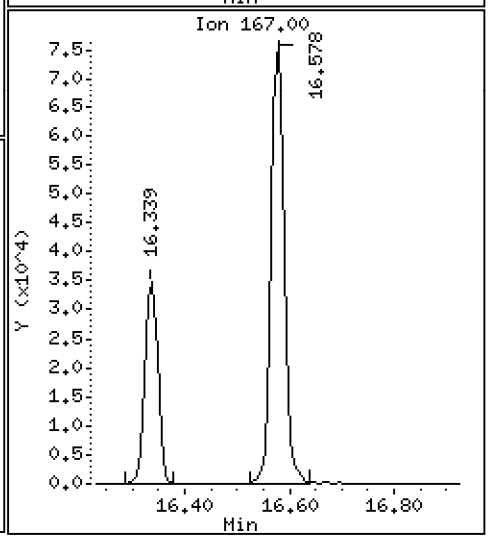


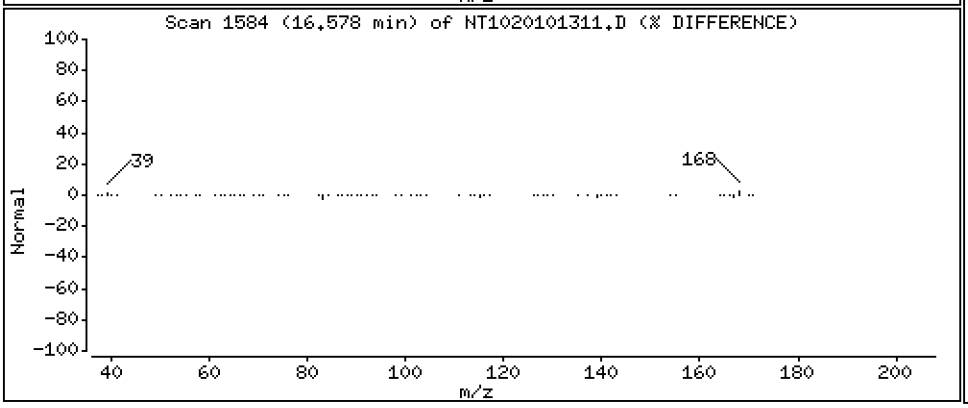












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

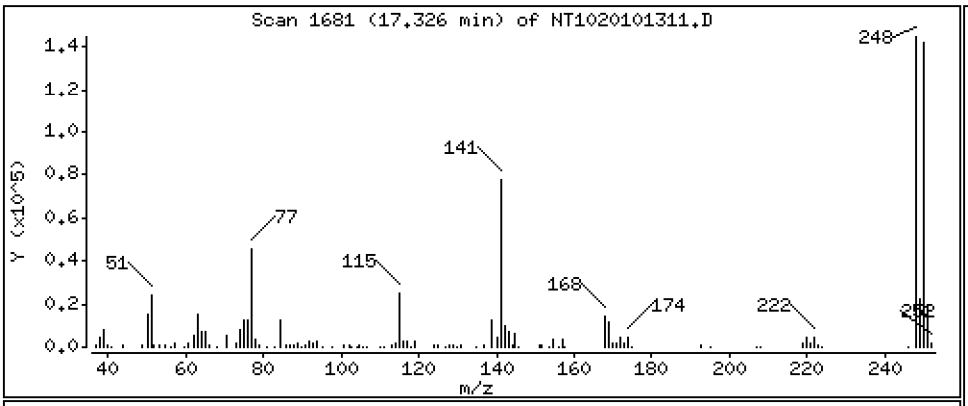
Operator: VTS

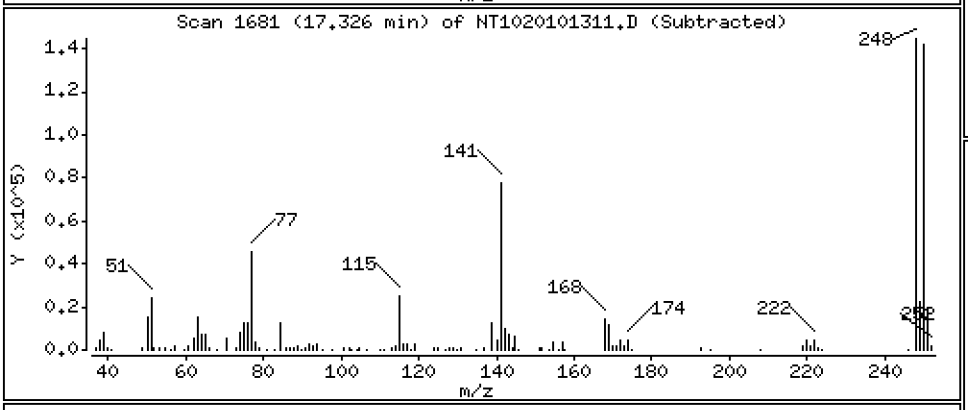
Column phase: ZB-5msi

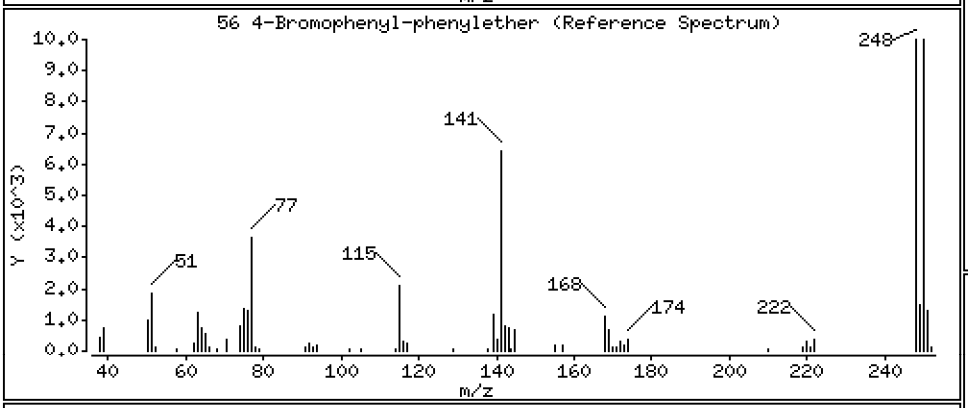
Column diameter: 0.25

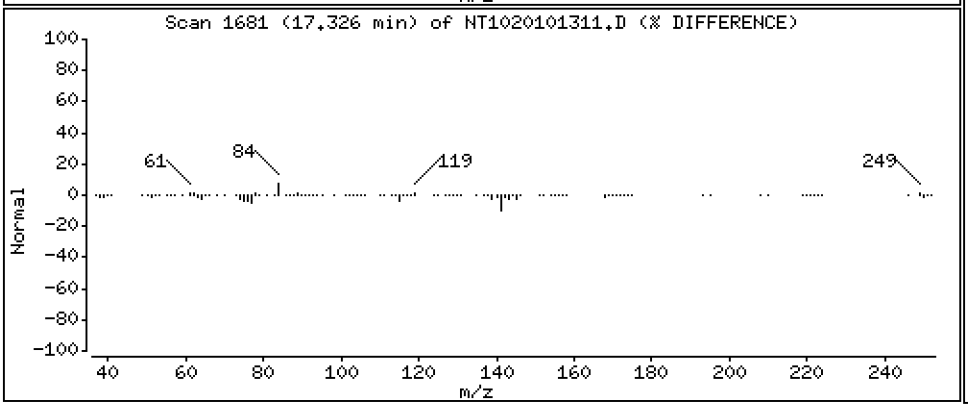
56 4-Bromophenyl-phenylether

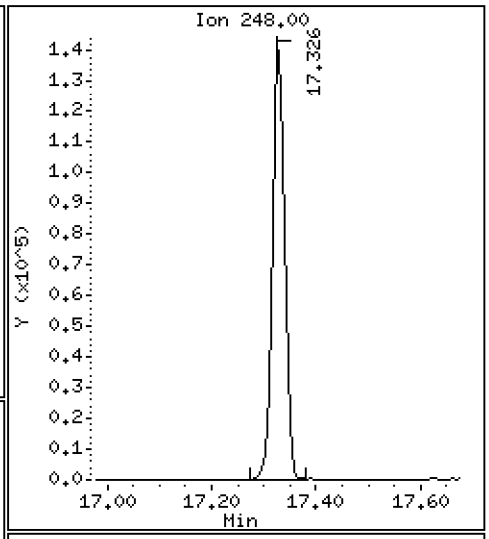
Concentration: 4.864 ug/mL

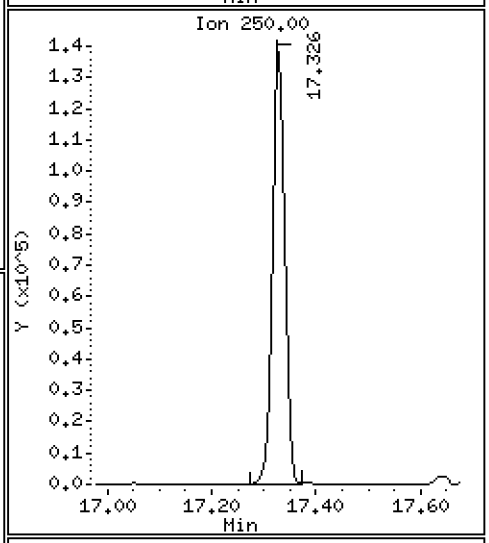


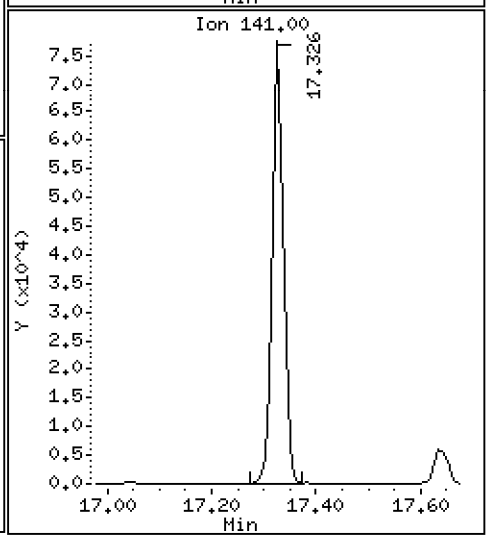












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

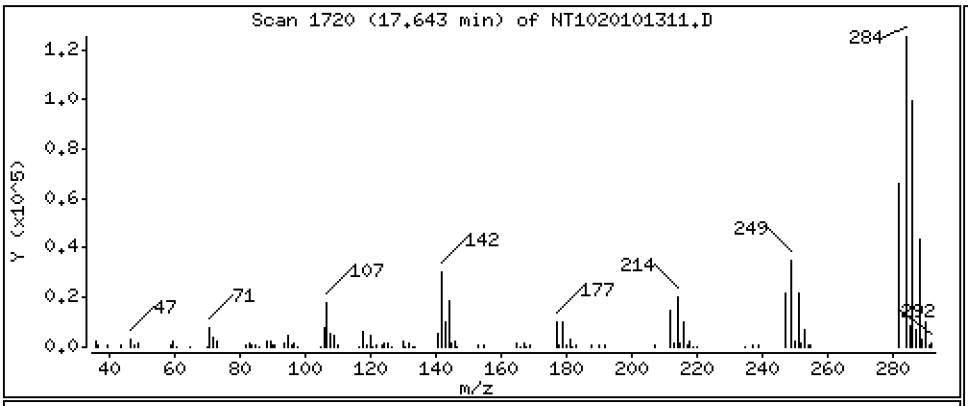
Operator: VTS

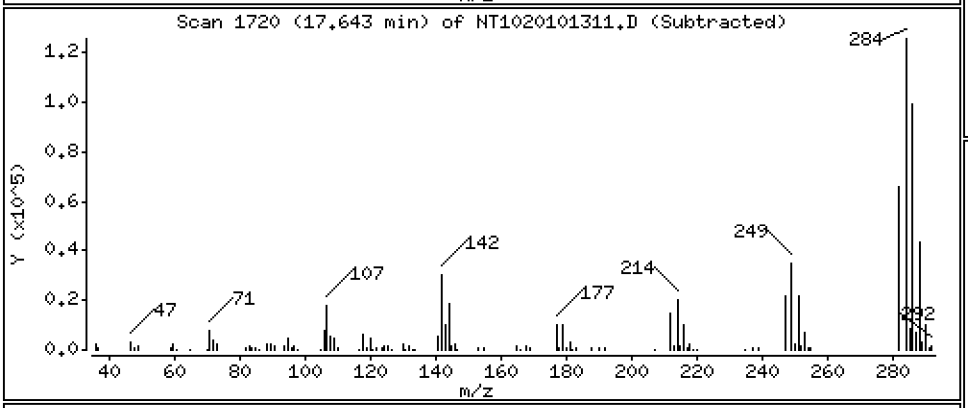
Column phase: ZB-5msi

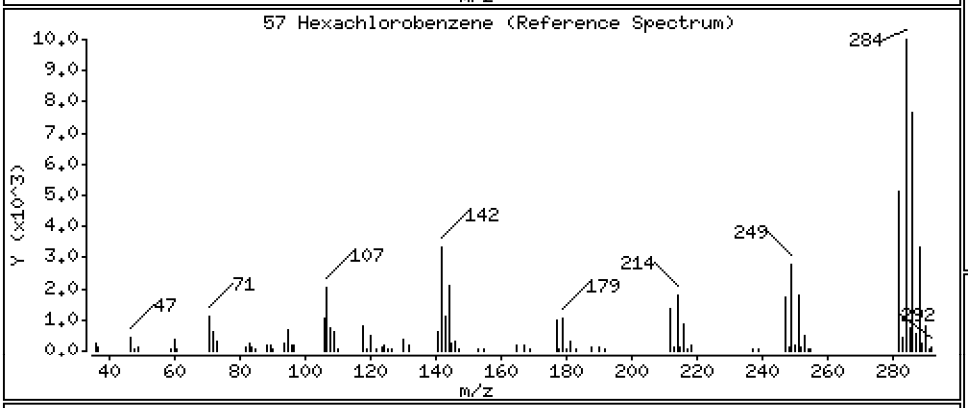
Column diameter: 0.25

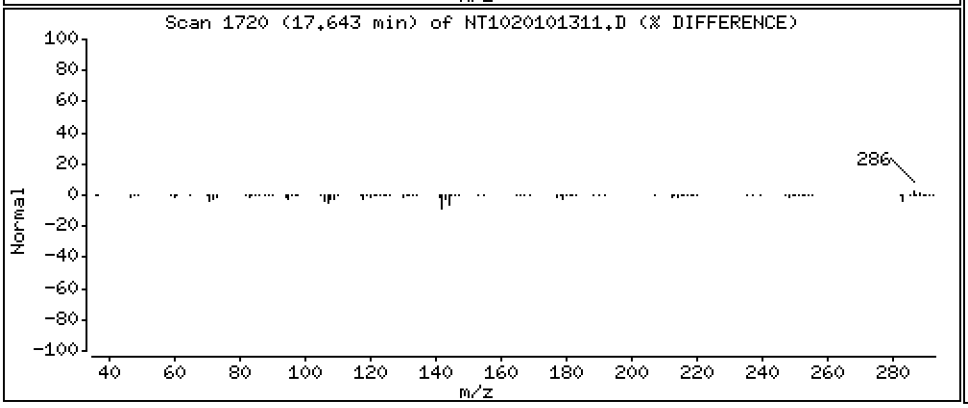
57 Hexachlorobenzene

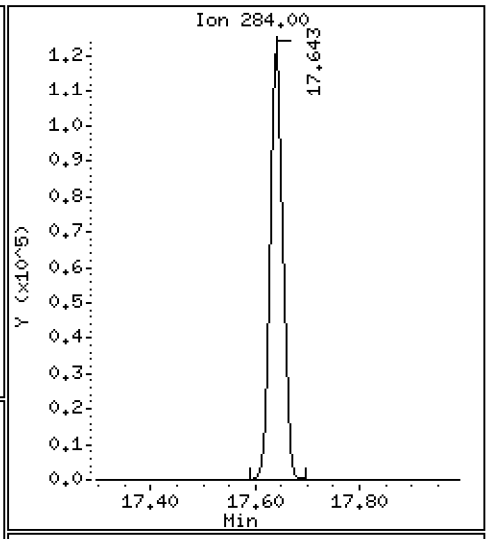
Concentration: 4.505 ug/mL

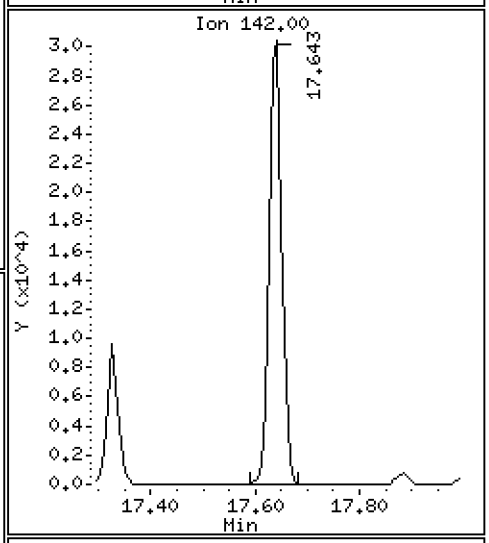


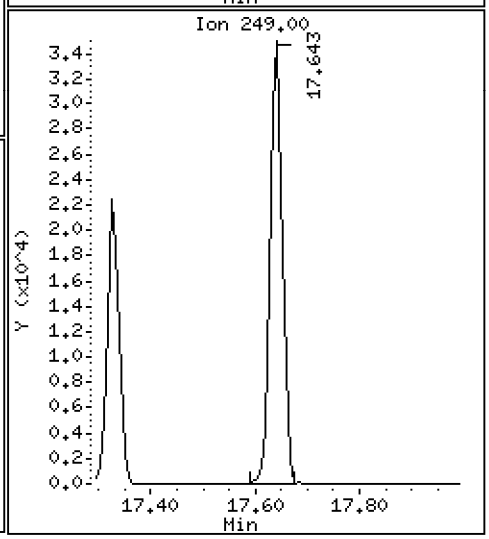












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

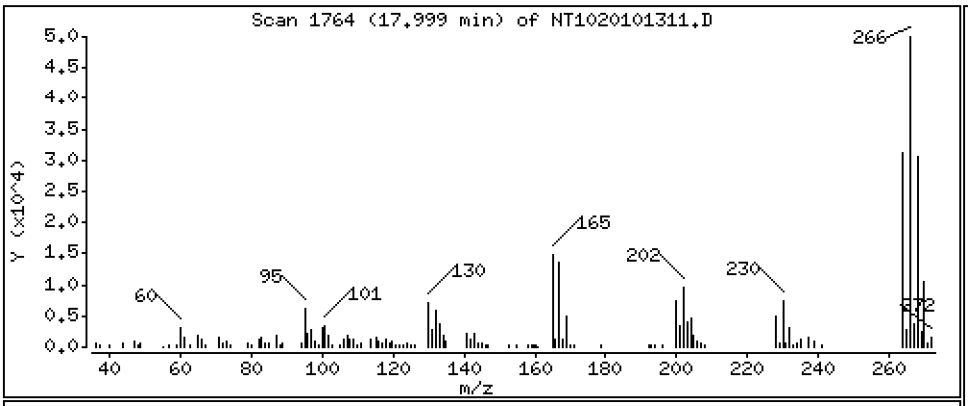
Operator: VTS

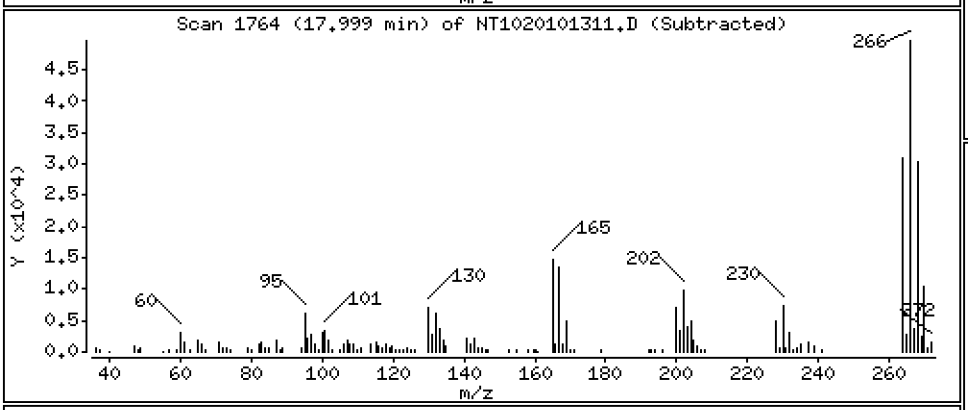
Column phase: ZB-5msi

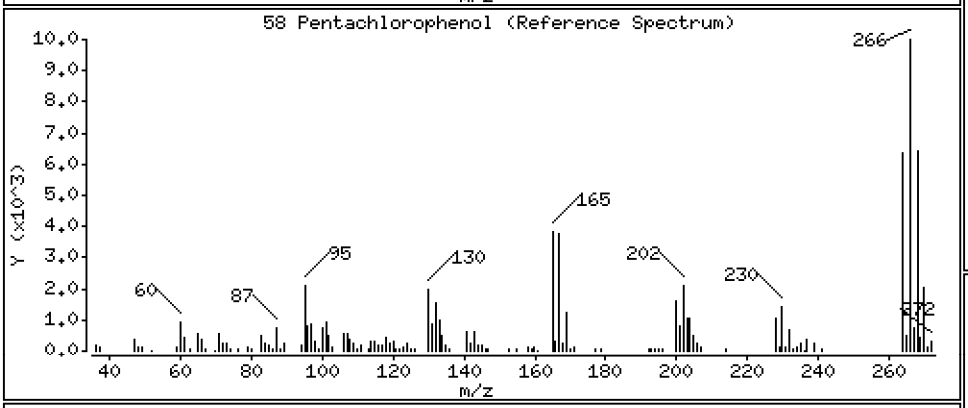
Column diameter: 0.25

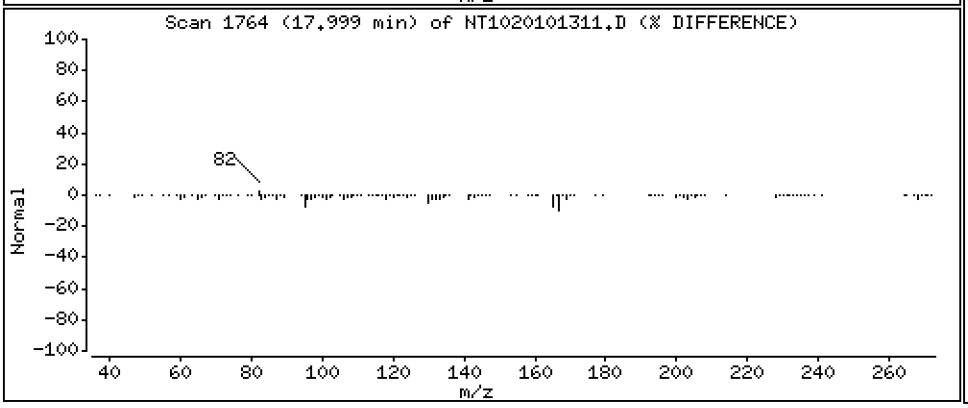
58 Pentachlorophenol

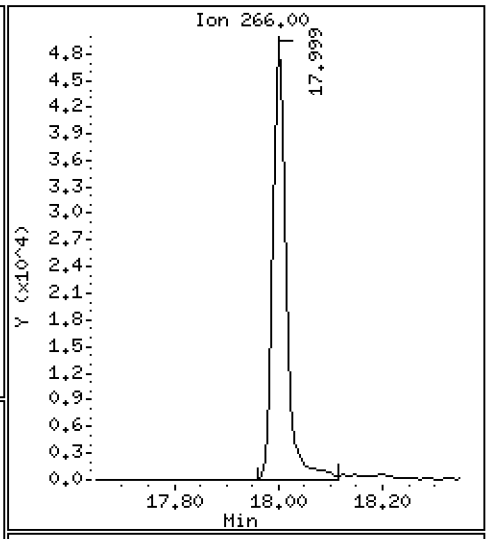
Concentration: 4.289 ug/mL

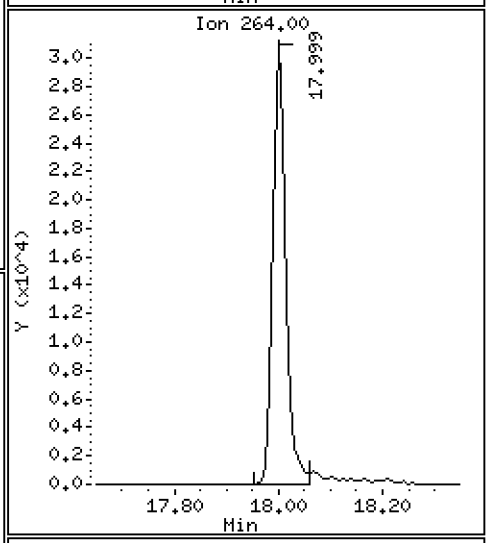


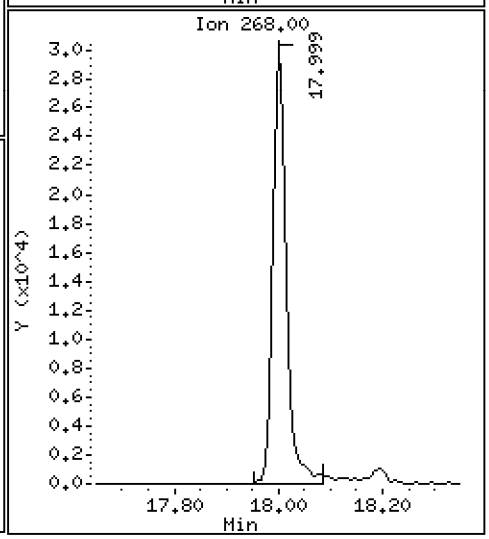












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

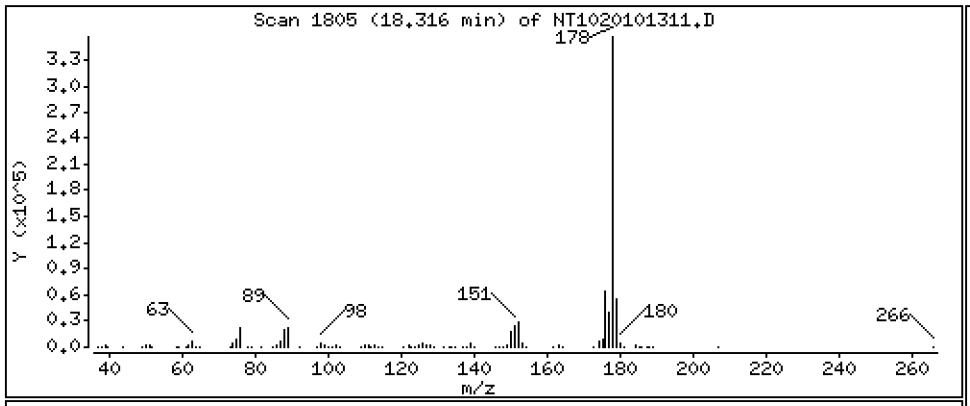
Operator: VTS

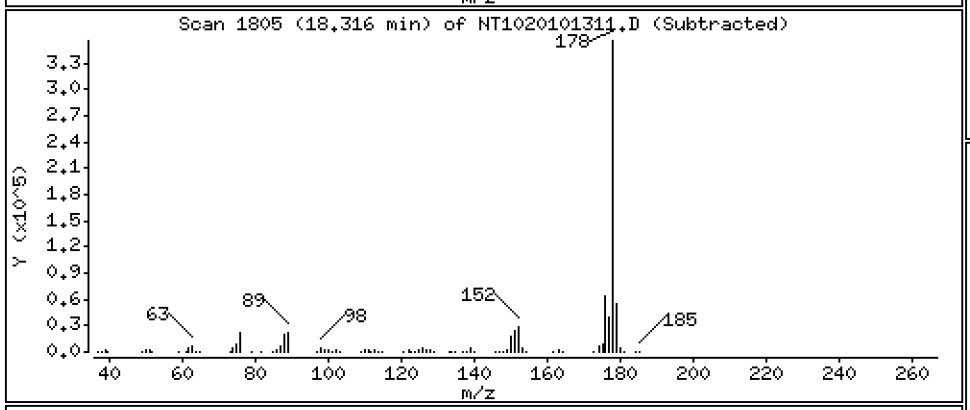
Column phase: ZB-5msi

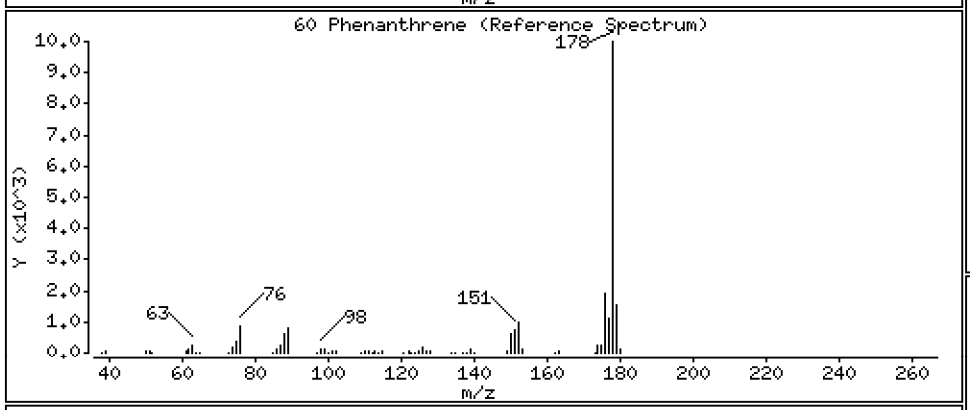
Column diameter: 0.25

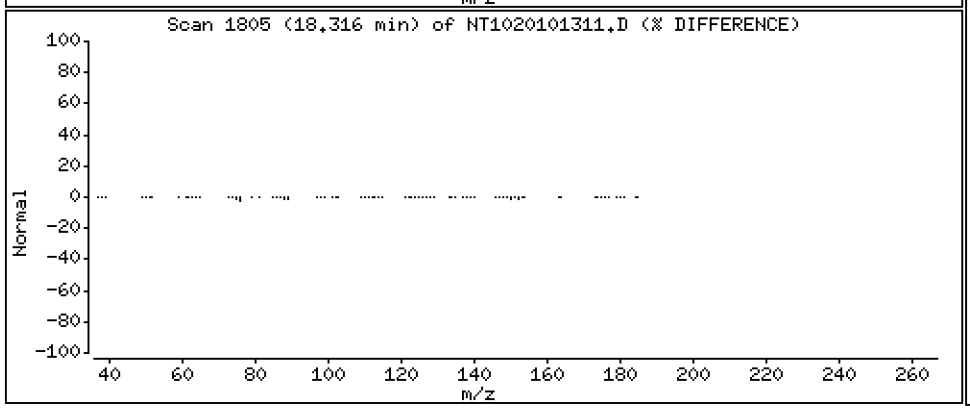
60 Phenanthrene

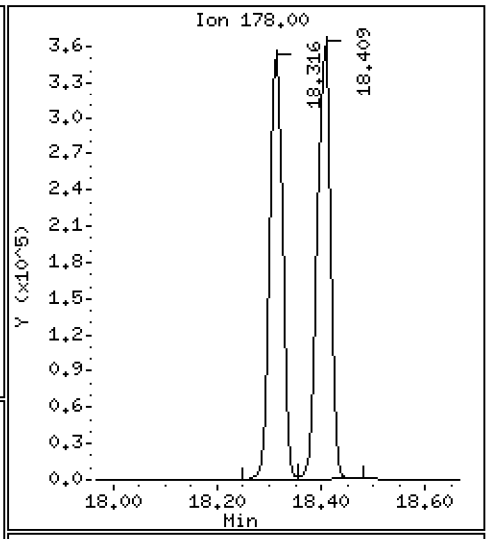
Concentration: 4.927 ug/mL

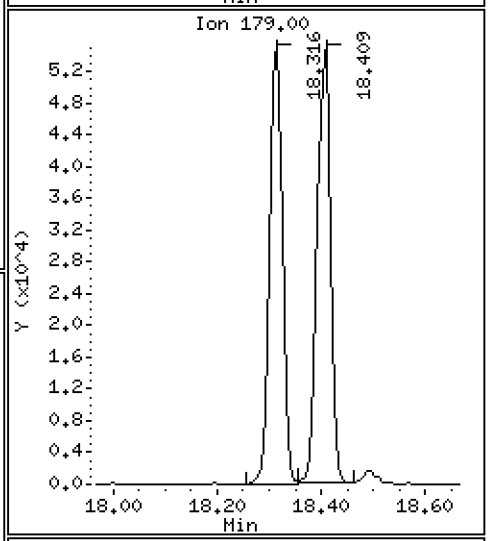


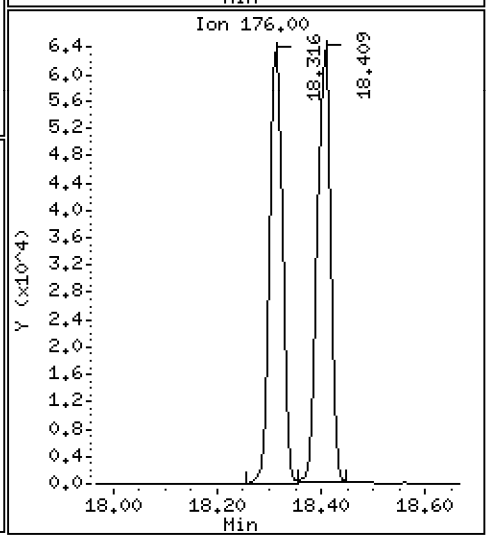












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

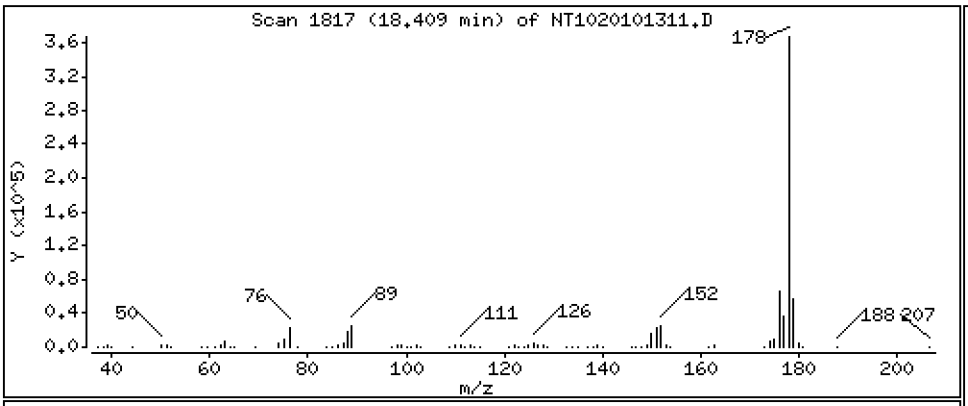
Operator: VTS

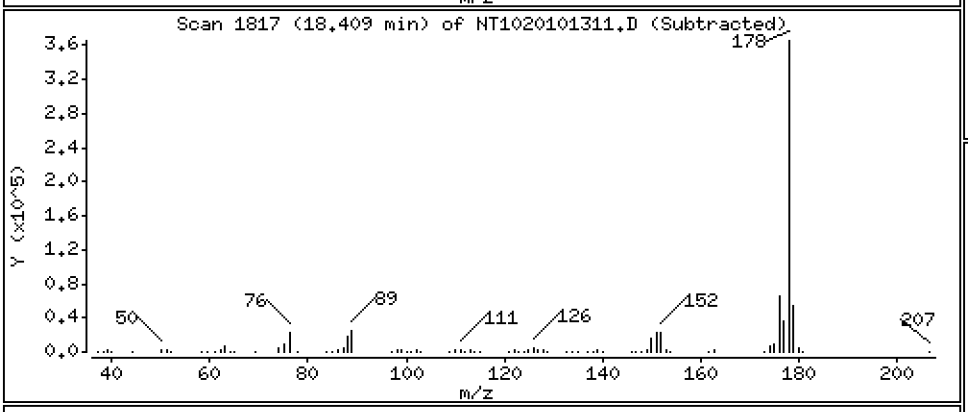
Column phase: ZB-5msi

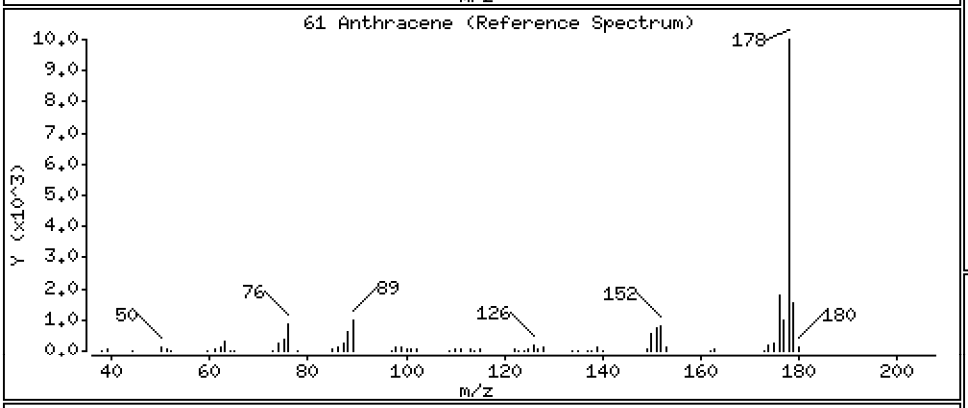
Column diameter: 0.25

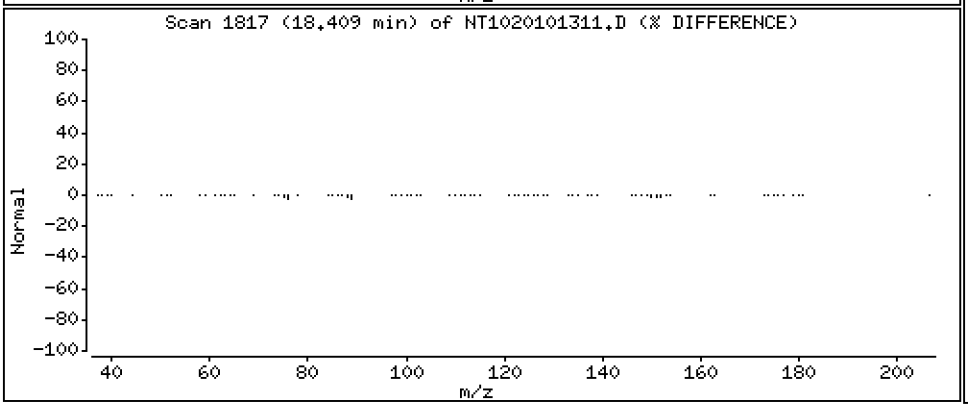
61 Anthracene

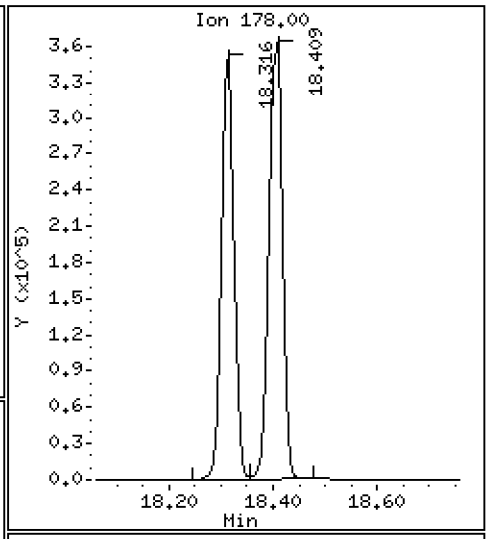
Concentration: 4.794 ug/mL

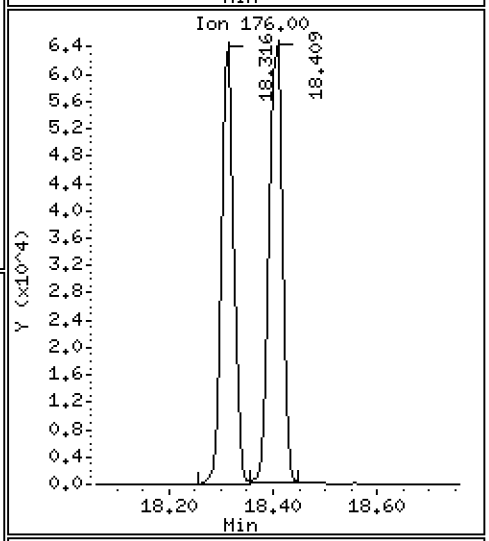


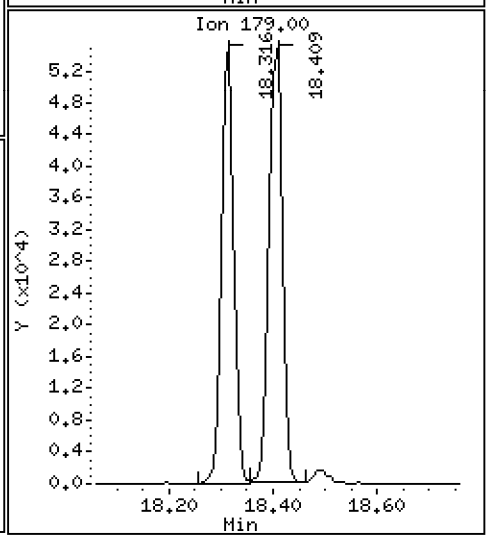












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

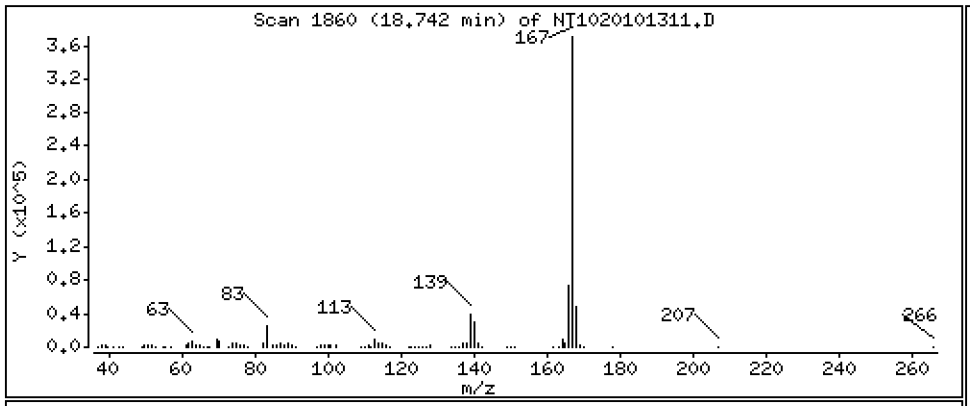
Operator: VTS

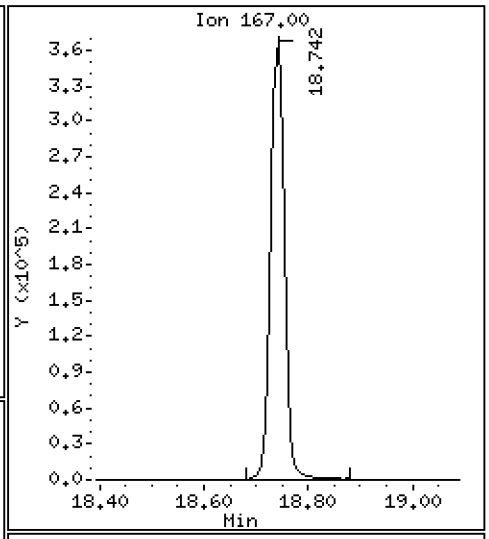
Column phase: ZB-5msi

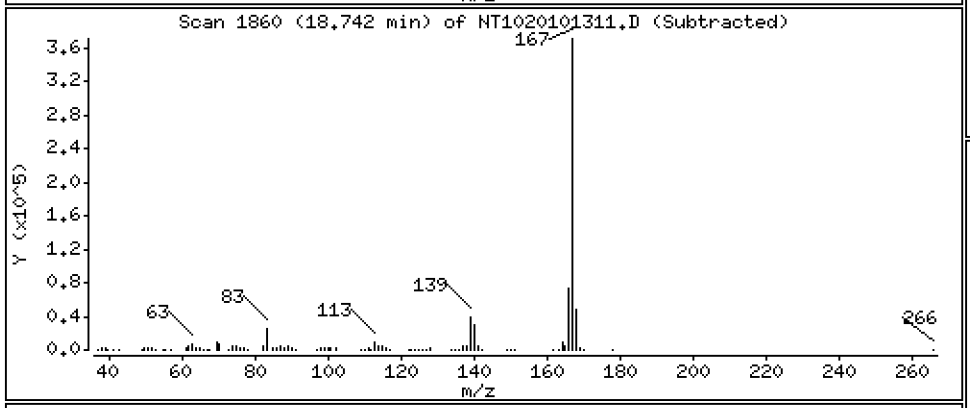
Column diameter: 0.25

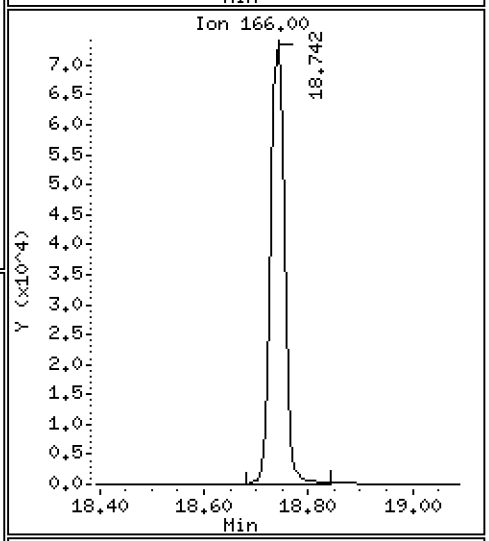
62 Carbazole

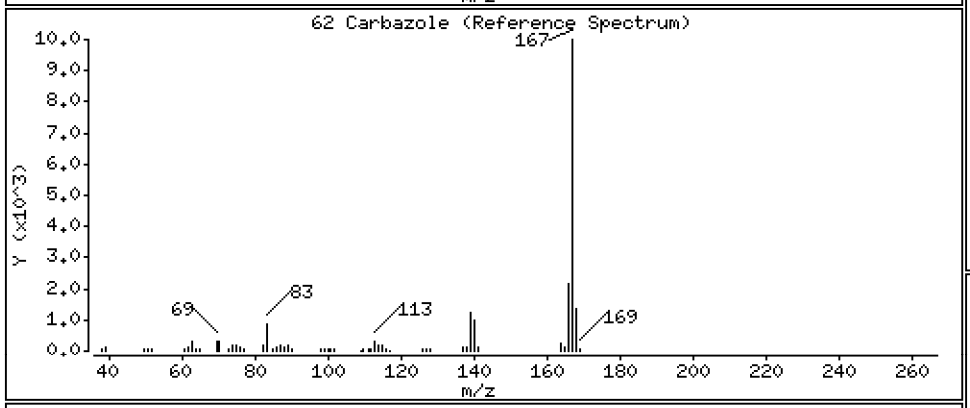
Concentration: 5.036 ug/mL

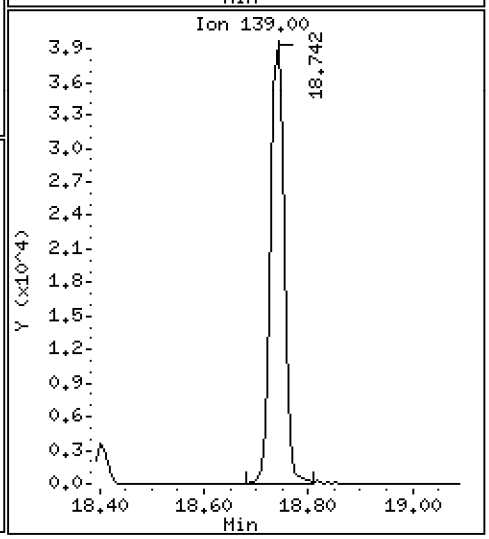


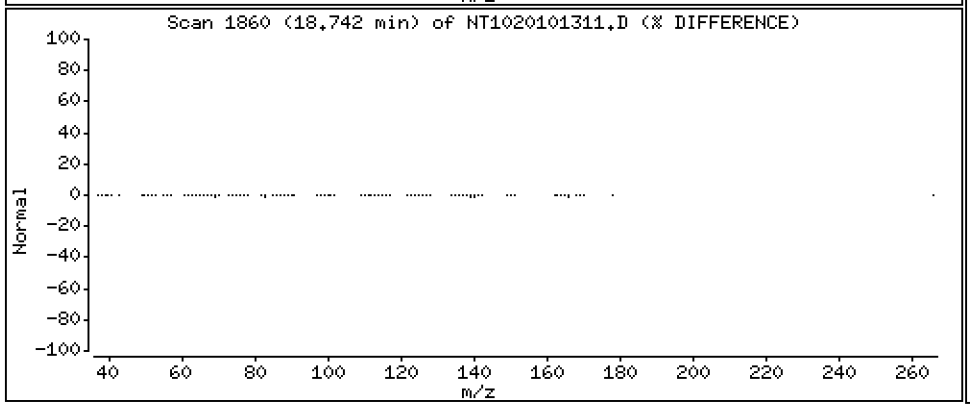












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

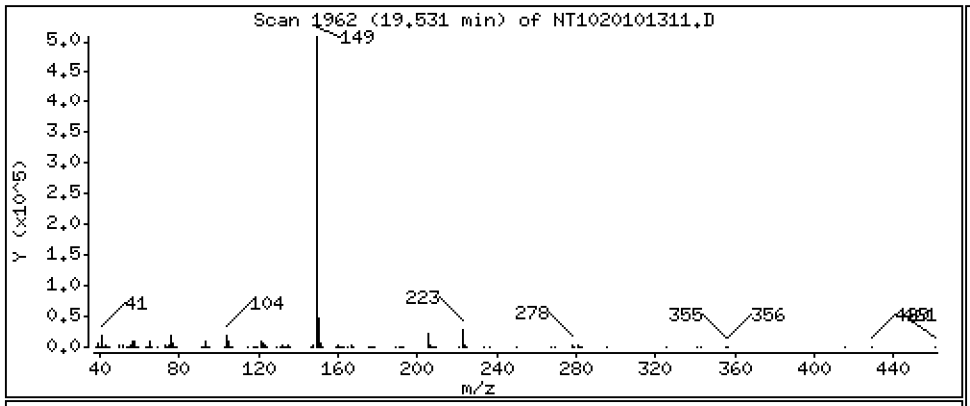
Operator: VTS

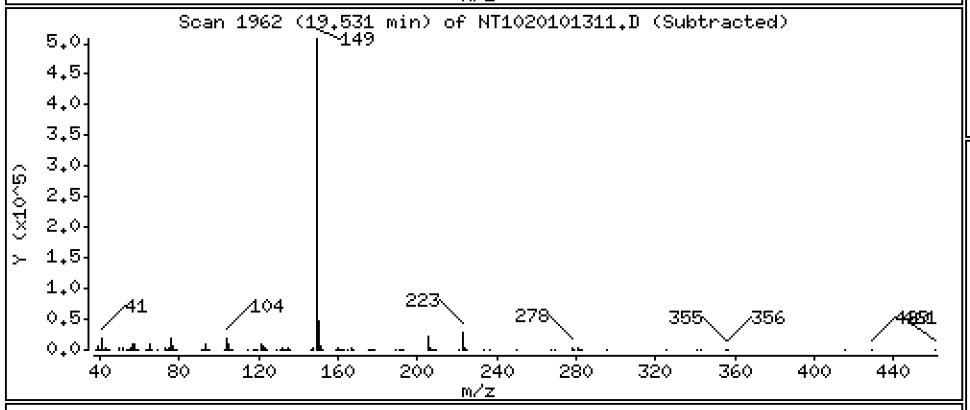
Column phase: ZB-5msi

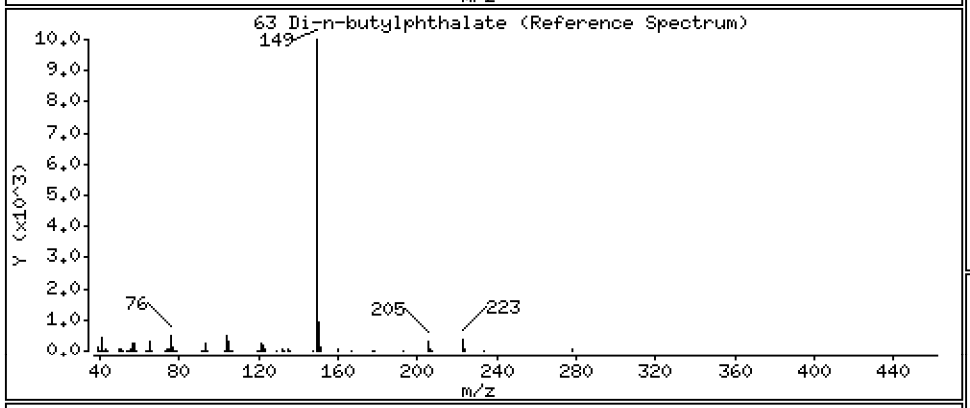
Column diameter: 0.25

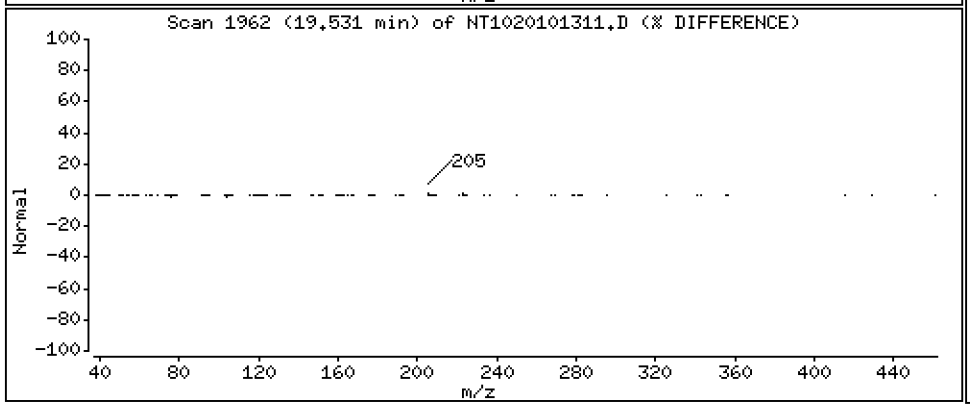
63 Di-n-butylphthalate

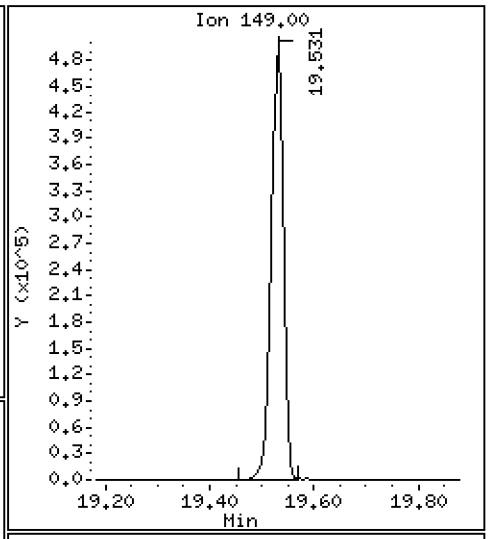
Concentration: 4.800 ug/mL

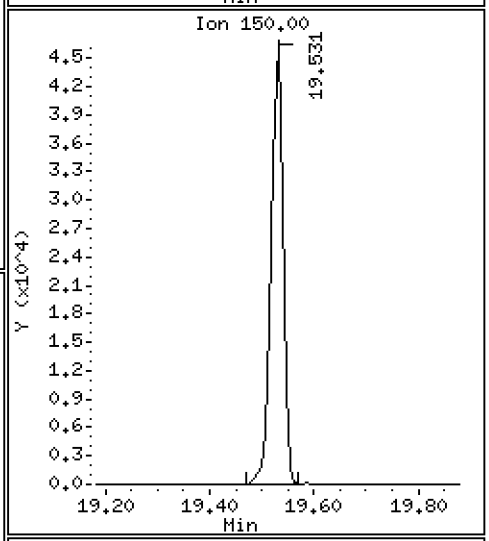


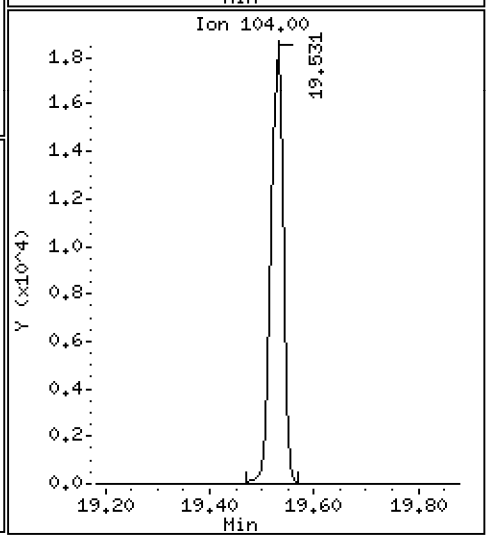












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

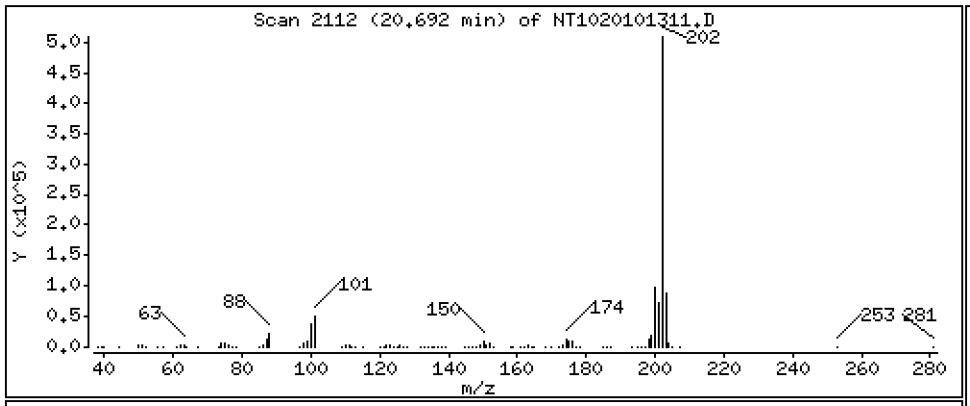
Operator: VTS

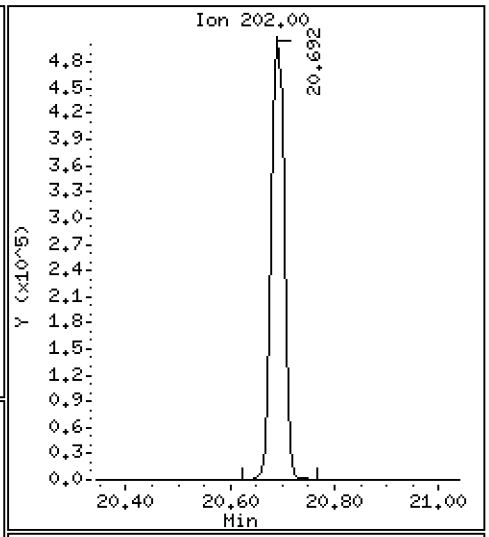
Column phase: ZB-5msi

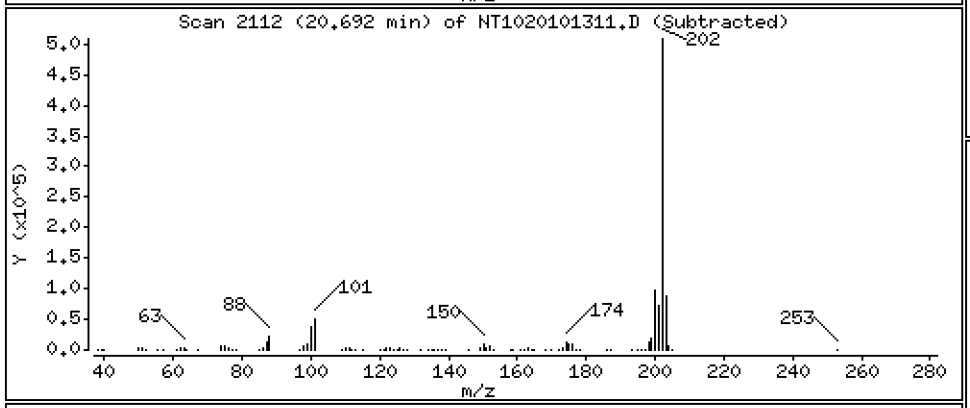
Column diameter: 0.25

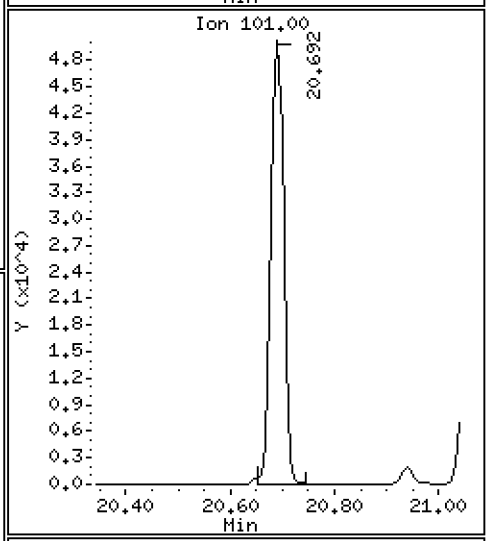
64 Fluoranthene

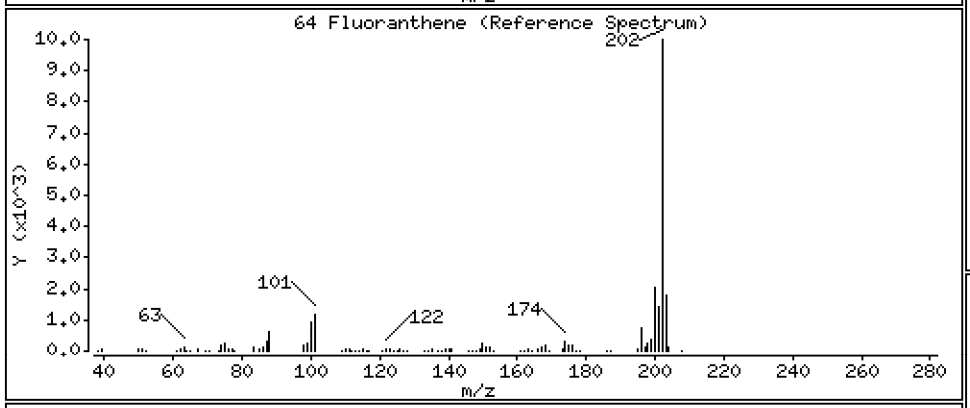
Concentration: 4.693 ug/mL

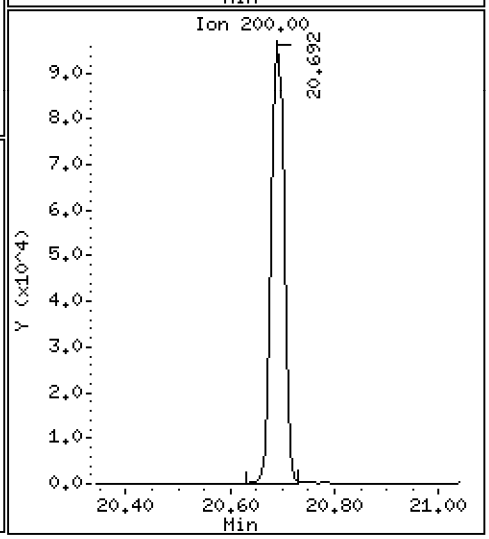


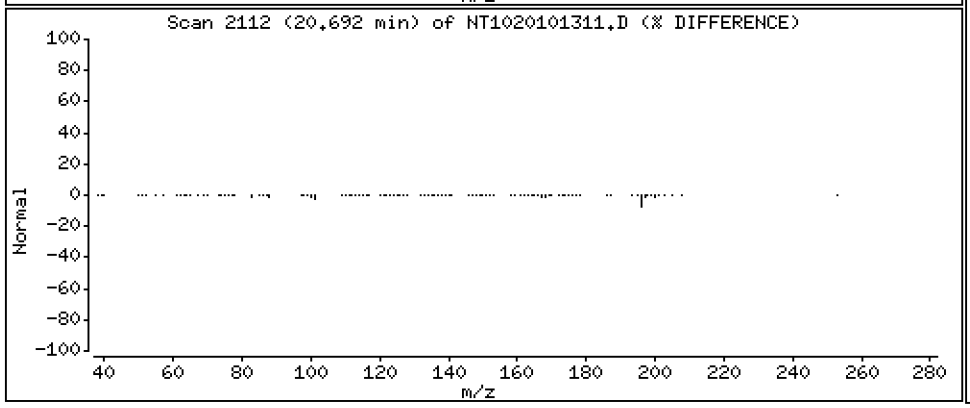












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

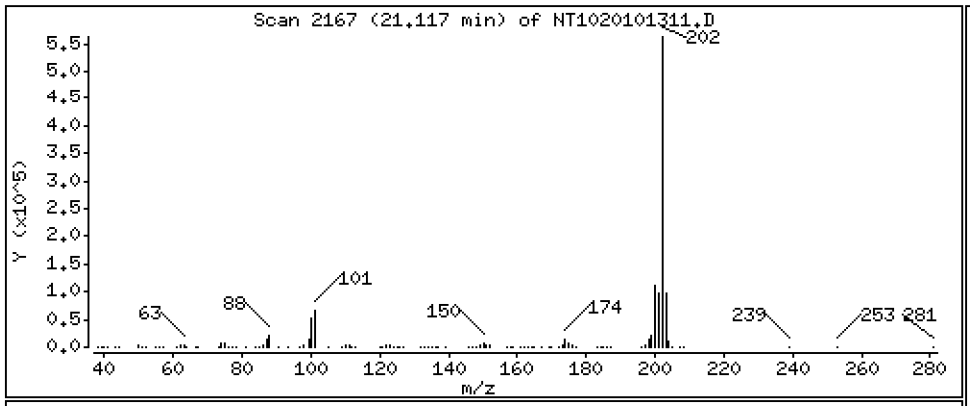
Operator: VTS

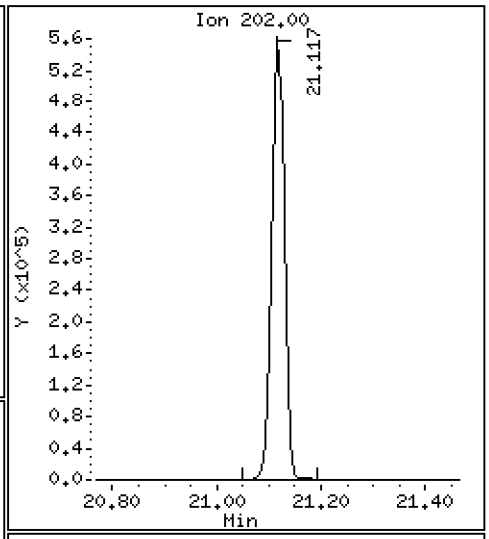
Column phase: ZB-5msi

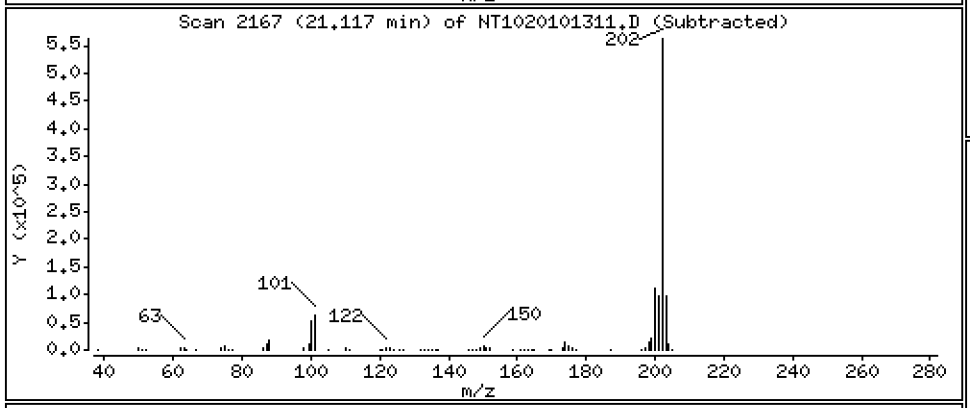
Column diameter: 0.25

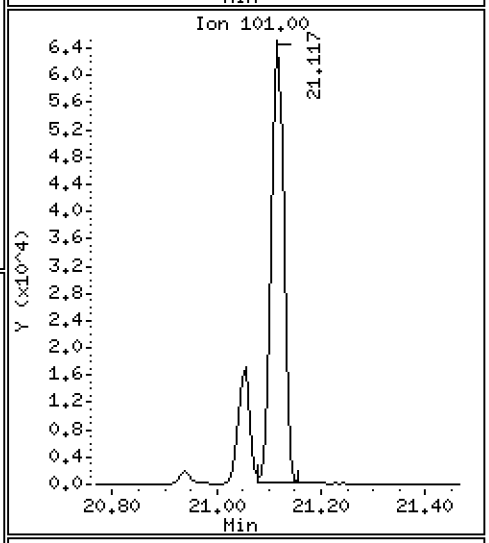
65 Pyrene

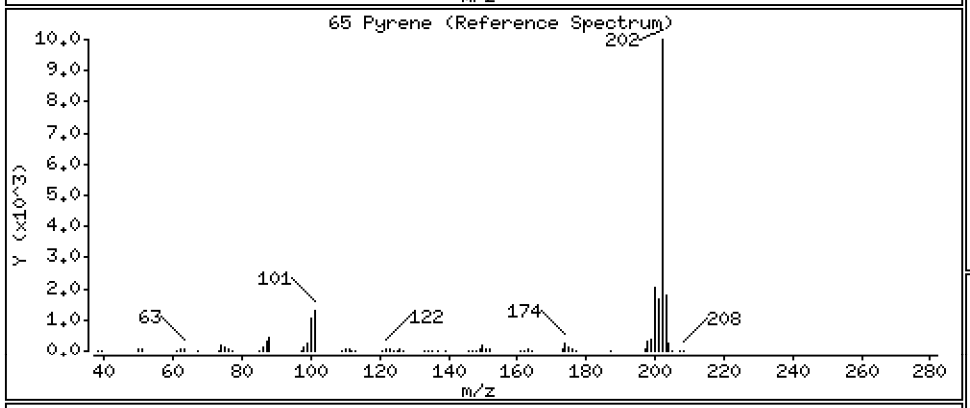
Concentration: 4.802 ug/mL

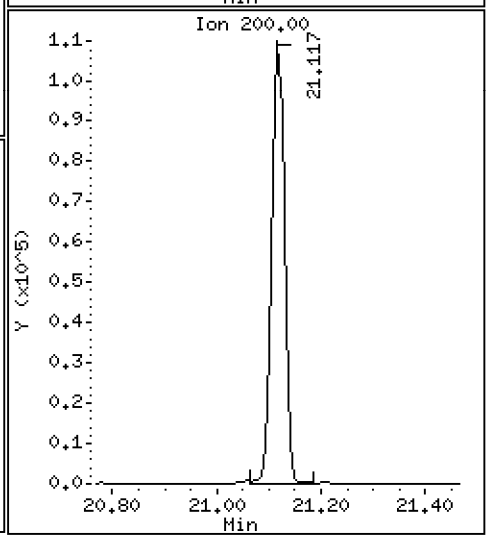


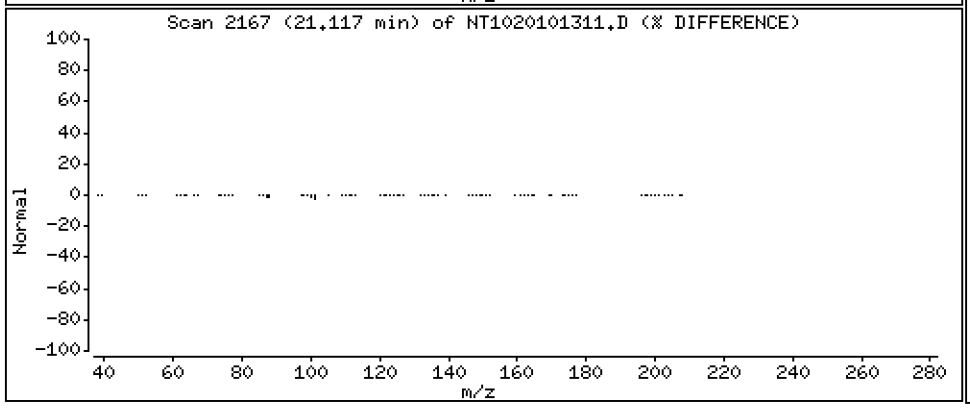












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

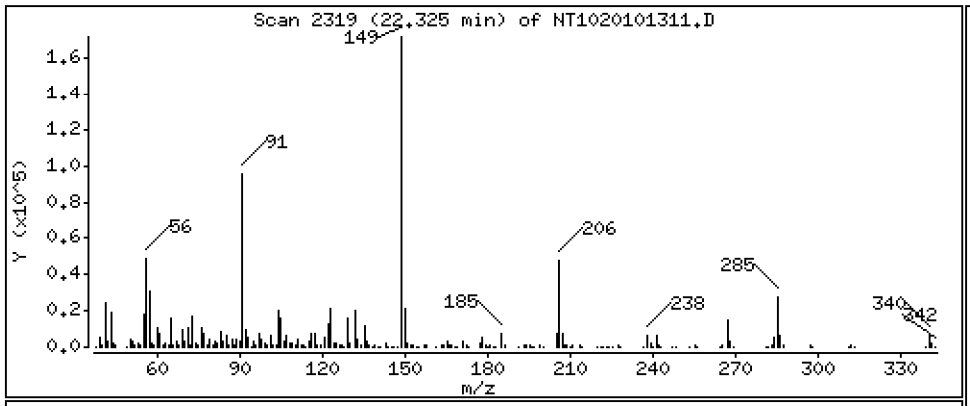
Operator: VTS

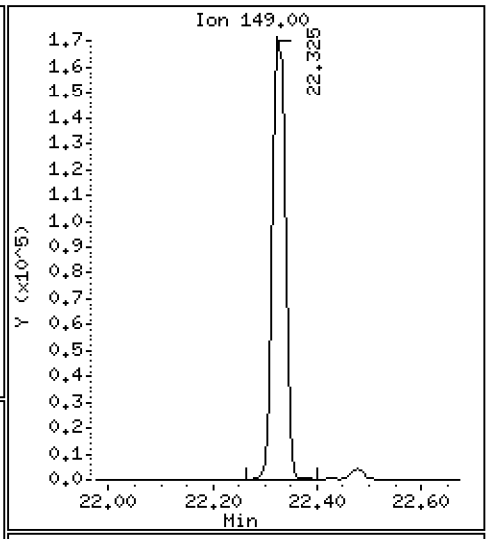
Column phase: ZB-5msi

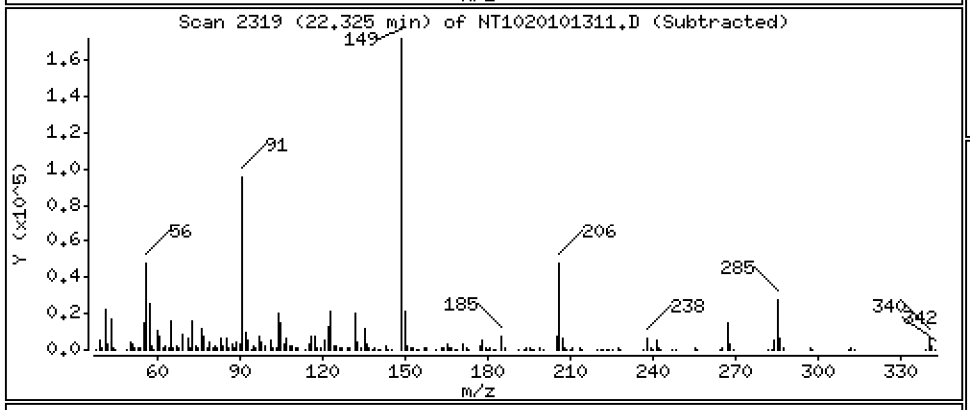
Column diameter: 0.25

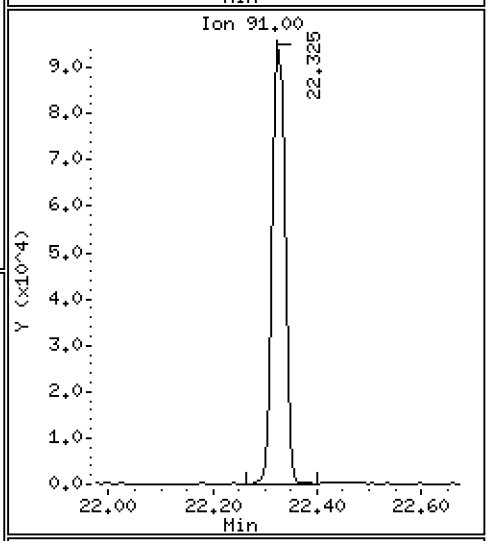
67 Butylbenzylphthalate

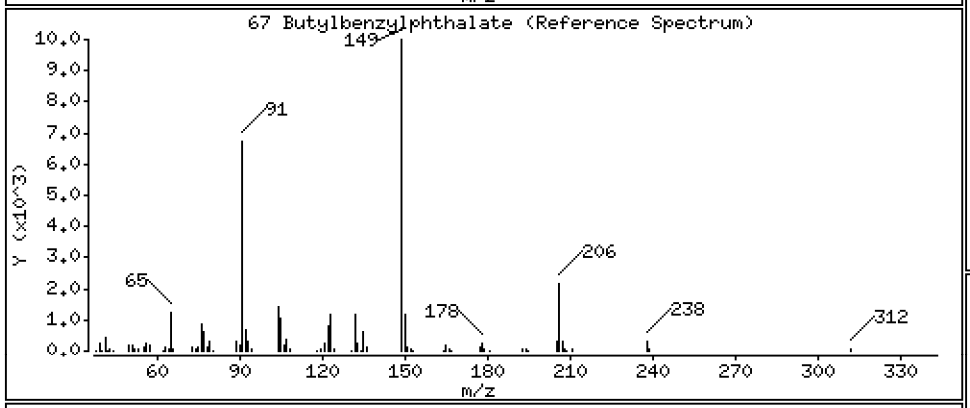
Concentration: 4.876 ug/mL

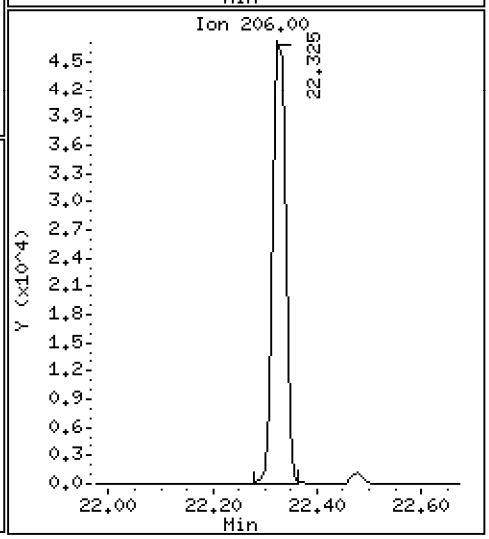


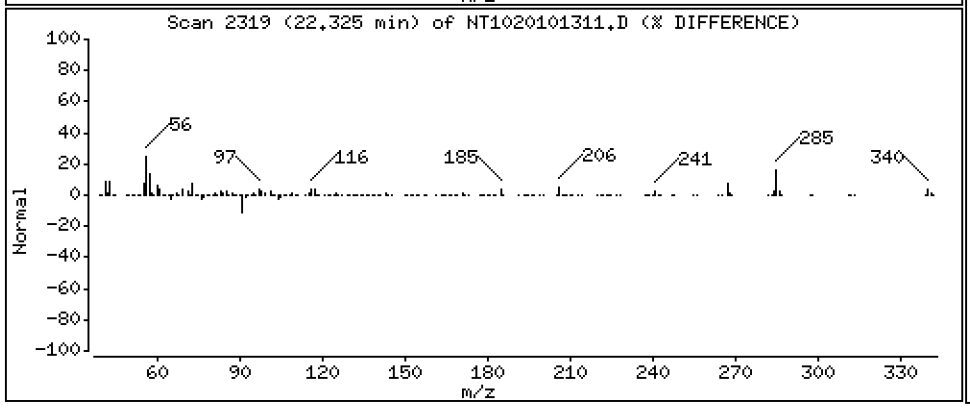












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

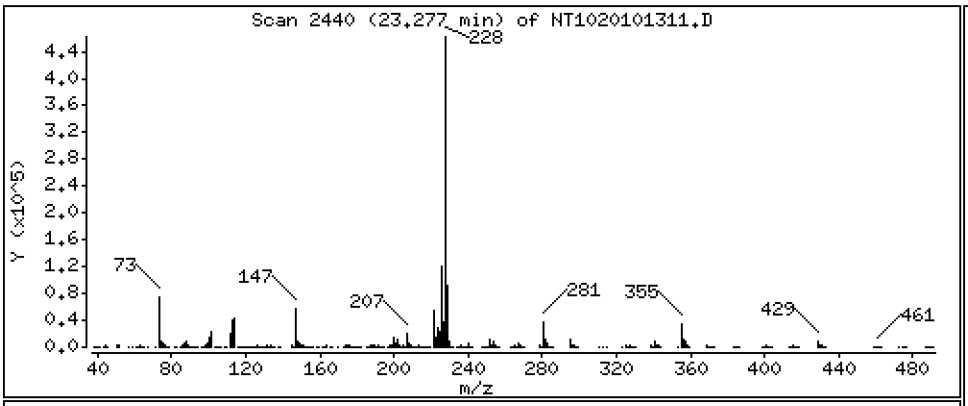
Operator: VTS

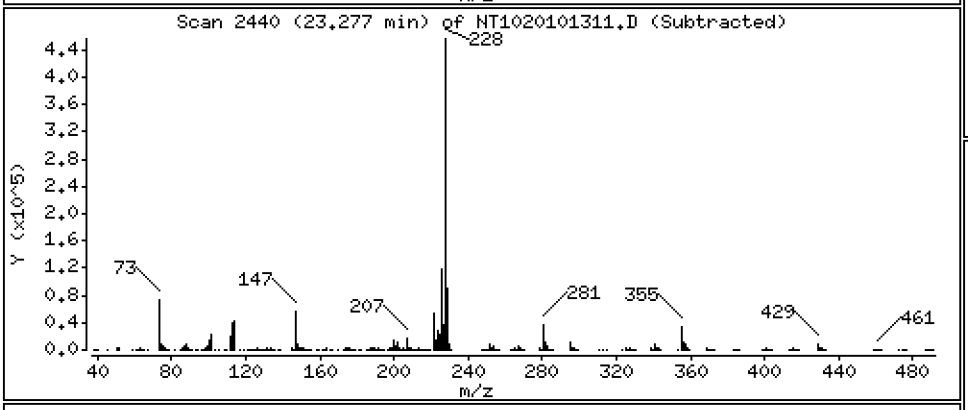
Column phase: ZB-5msi

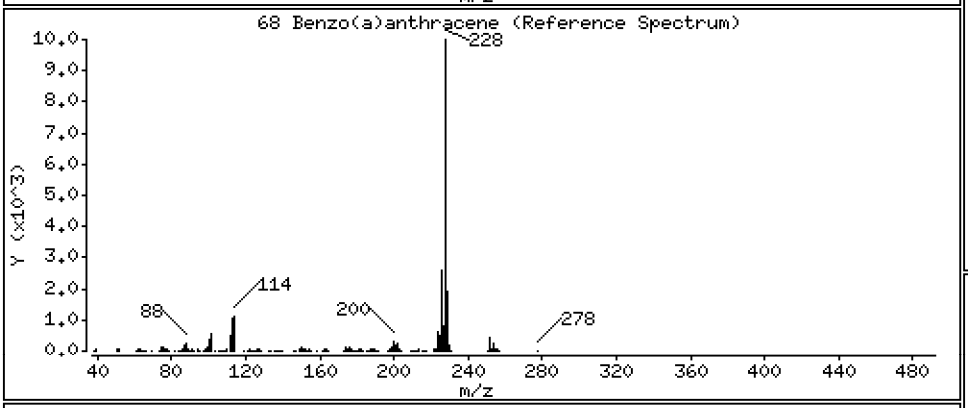
Column diameter: 0.25

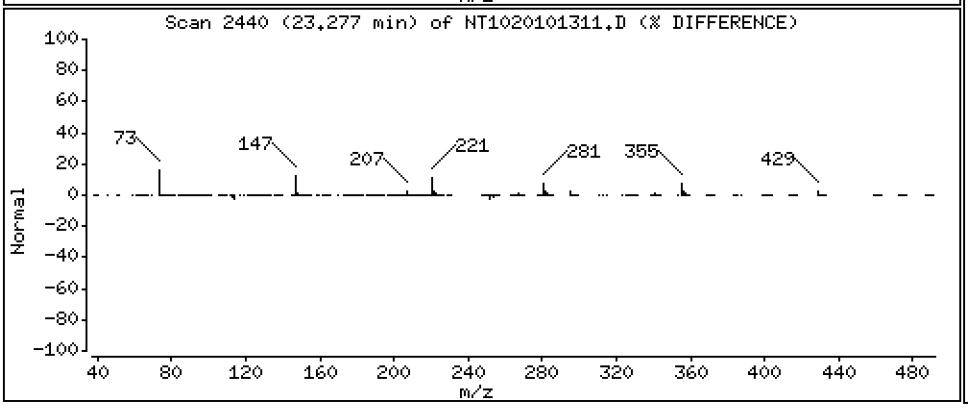
68 Benzo(a)anthracene

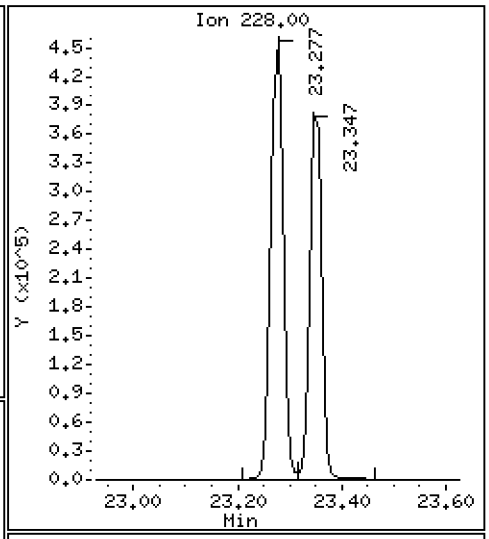
Concentration: 4.683 ug/mL

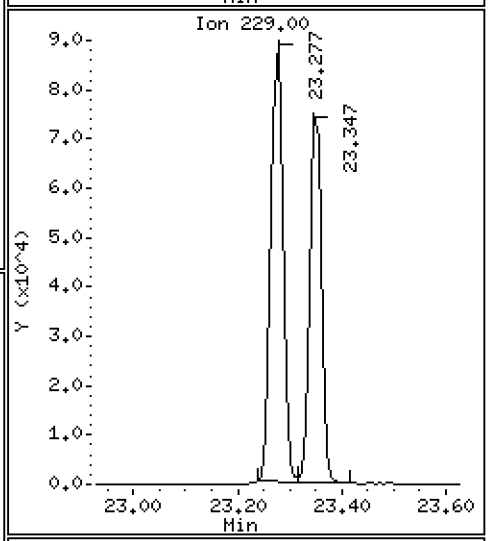


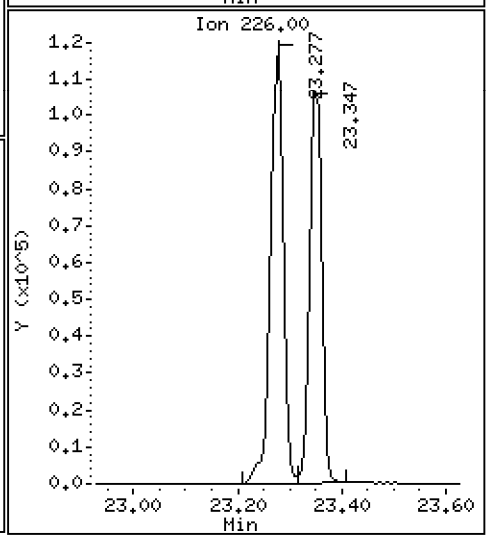












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

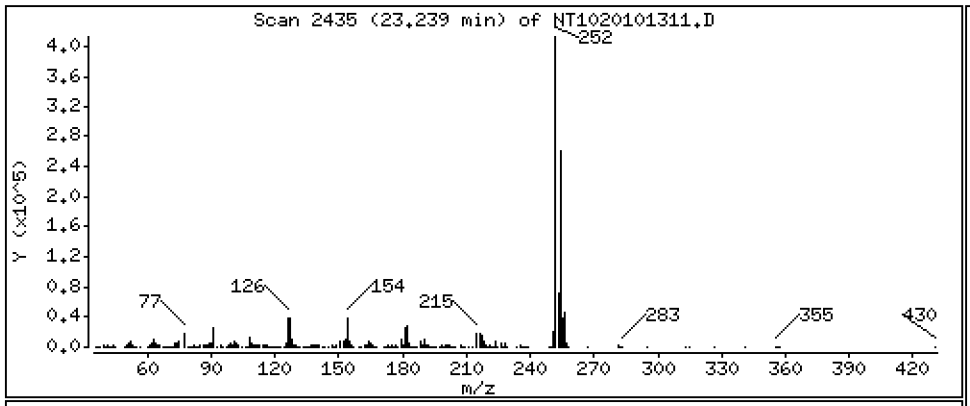
Operator: VTS

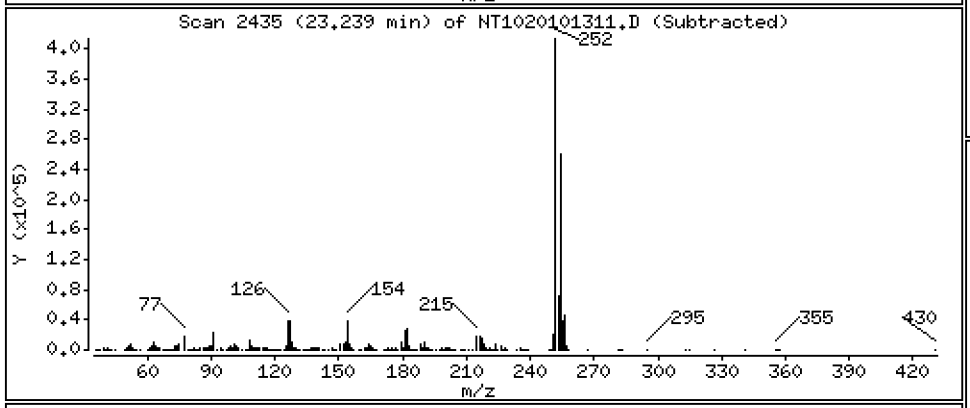
Column phase: ZB-5msi

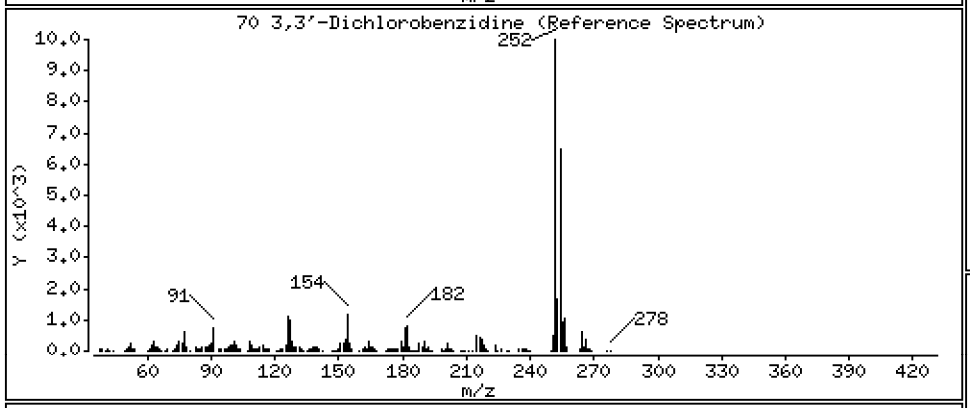
Column diameter: 0.25

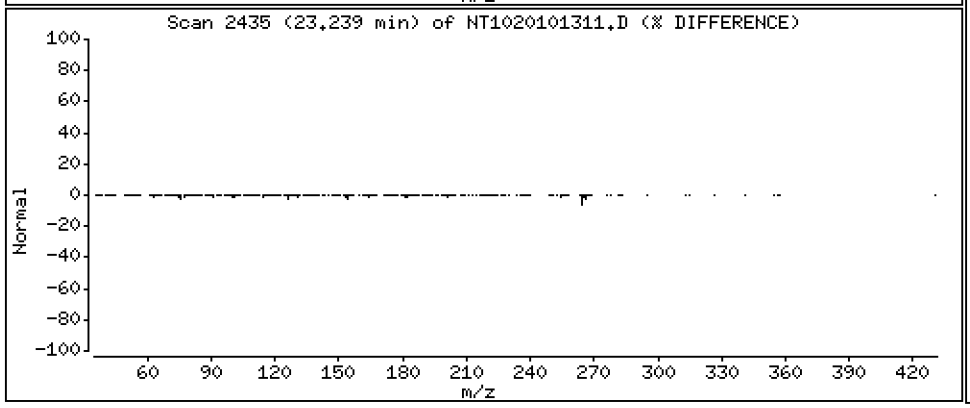
70 3,3'-Dichlorobenzidine

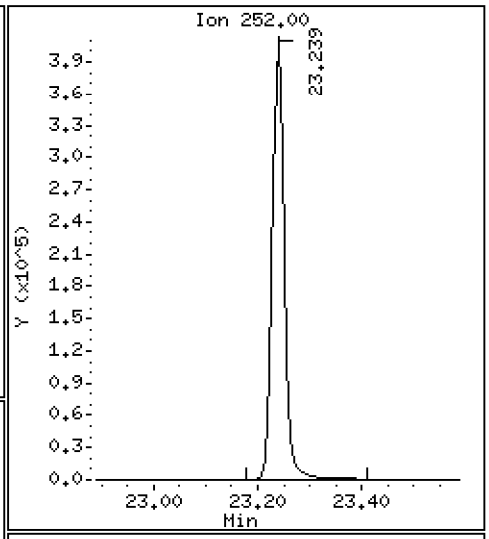
Concentration: 10.24 ug/mL

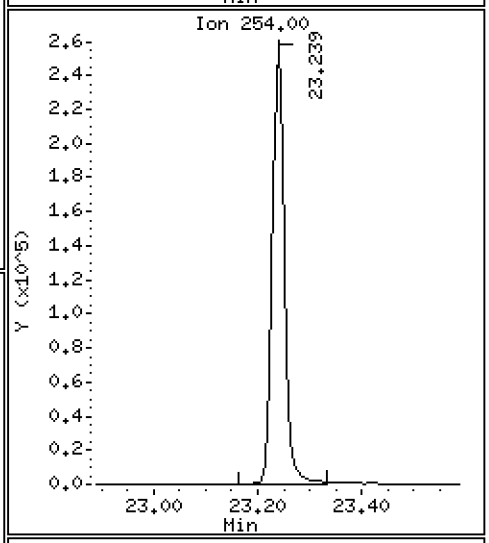


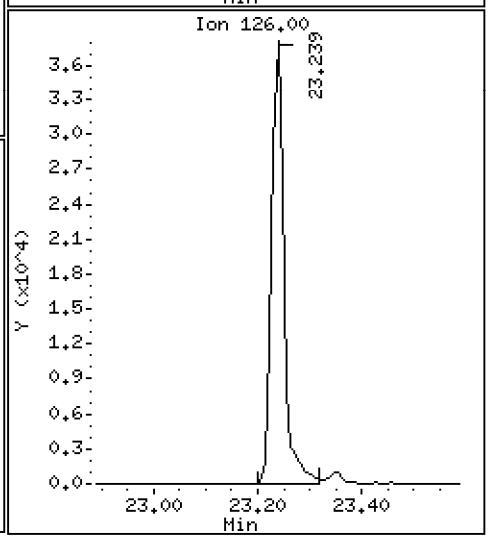












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

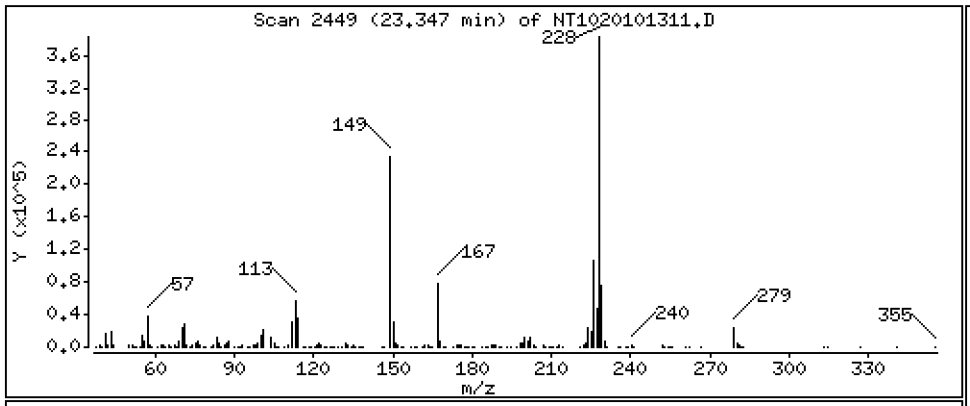
Operator: VTS

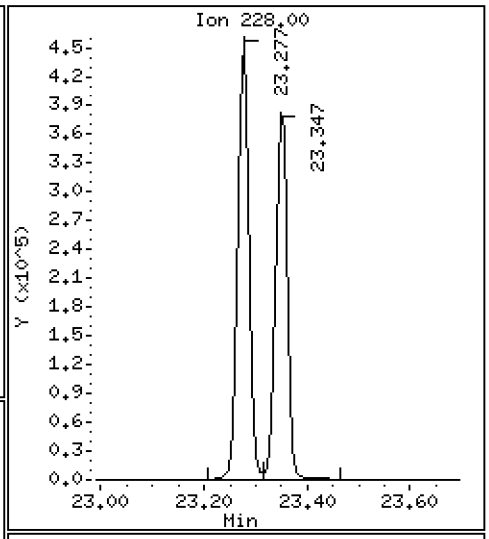
Column phase: ZB-5msi

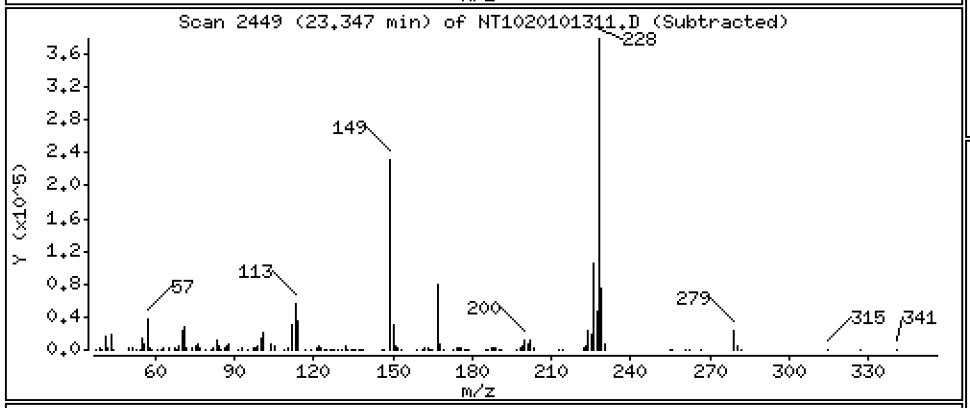
Column diameter: 0.25

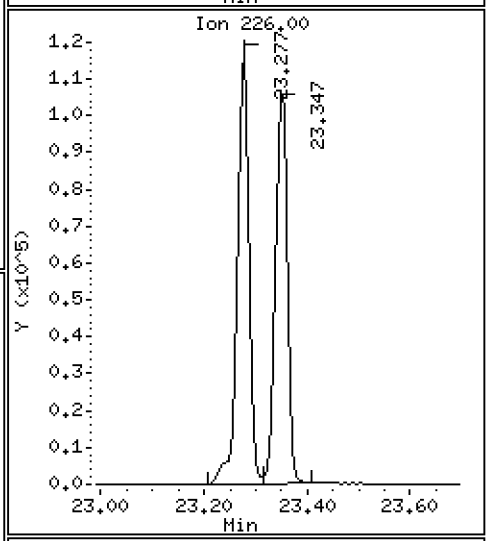
71 Chrysene

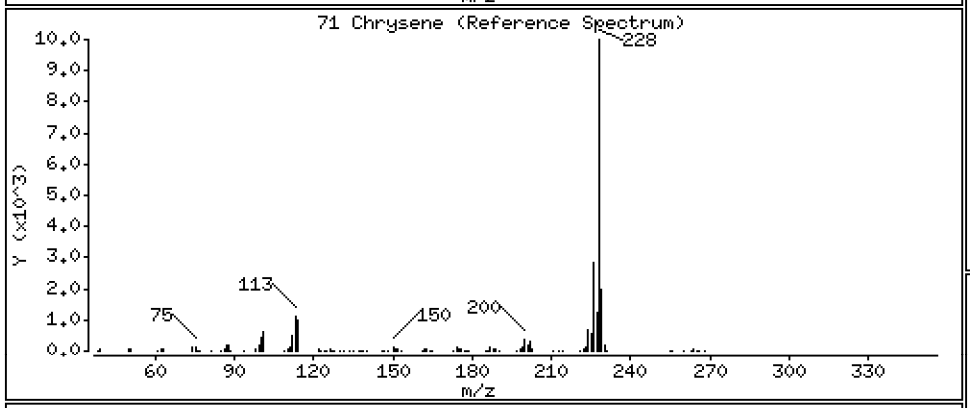
Concentration: 4.838 ug/mL

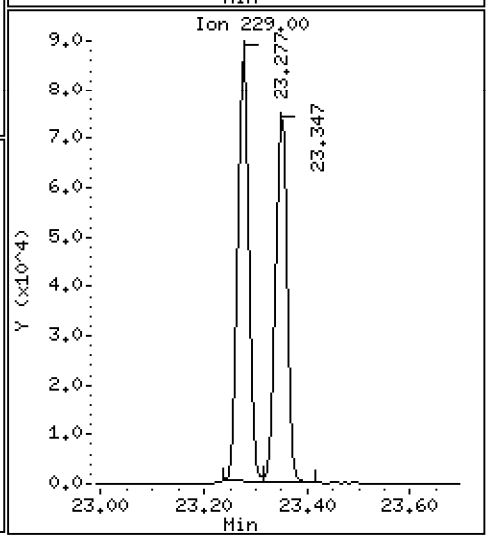


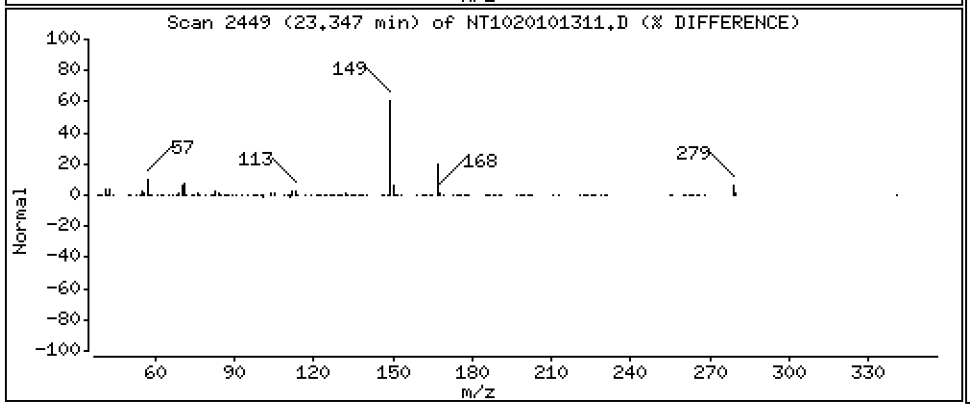












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

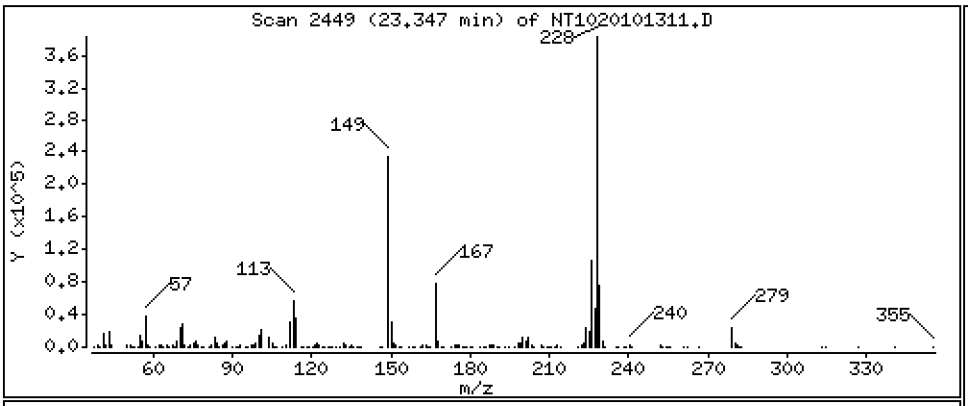
Operator: VTS

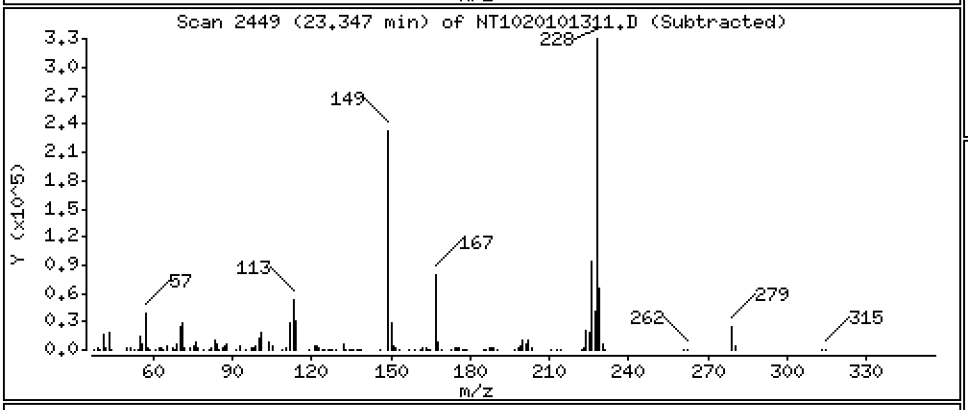
Column phase: ZB-5msi

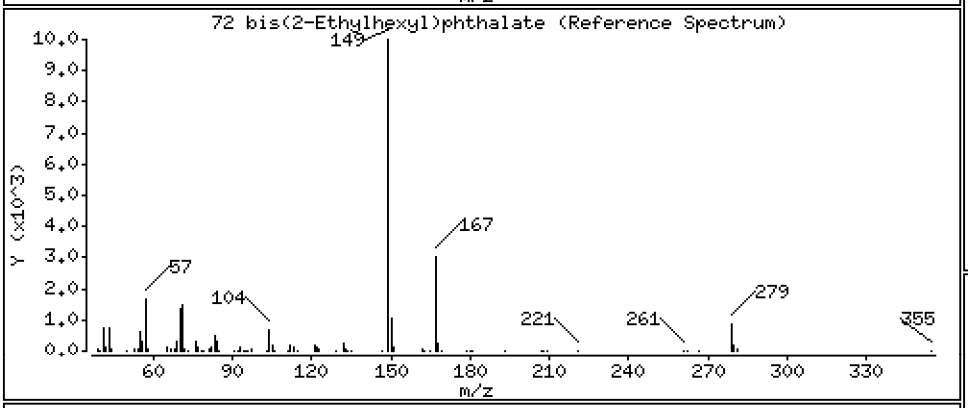
Column diameter: 0.25

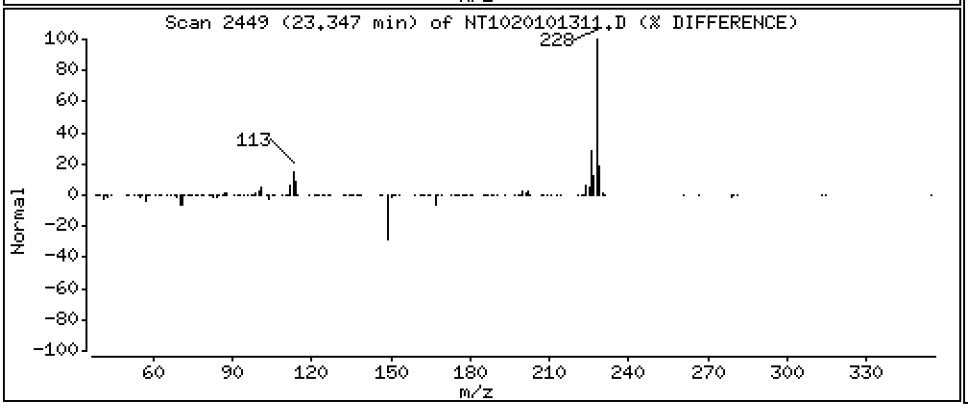
72 bis(2-Ethylhexyl)phthalate

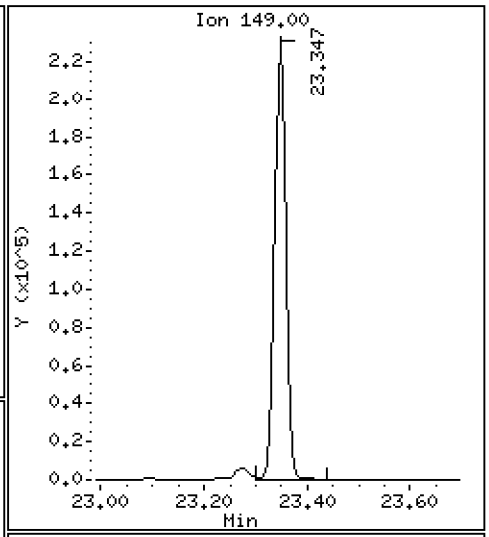
Concentration: 4.943 ug/mL

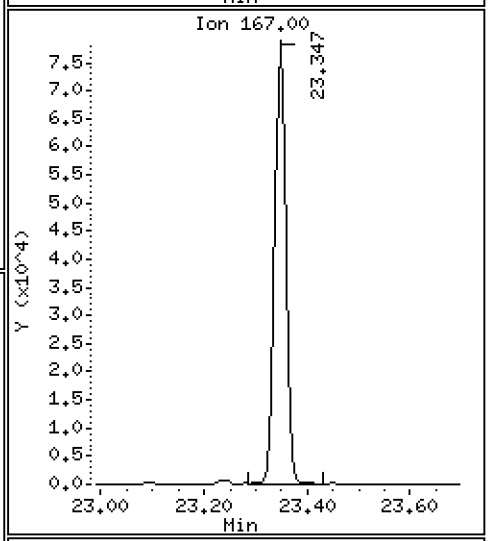


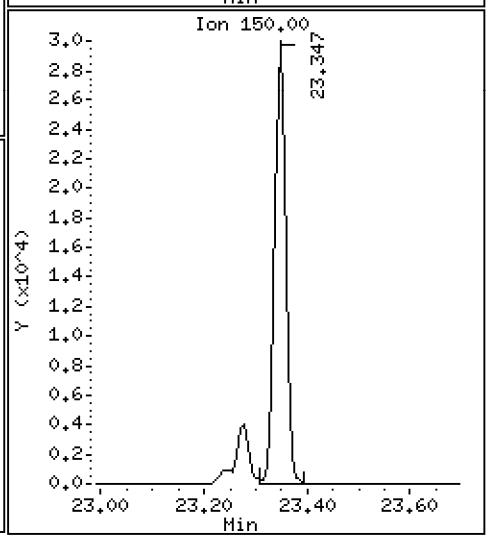












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

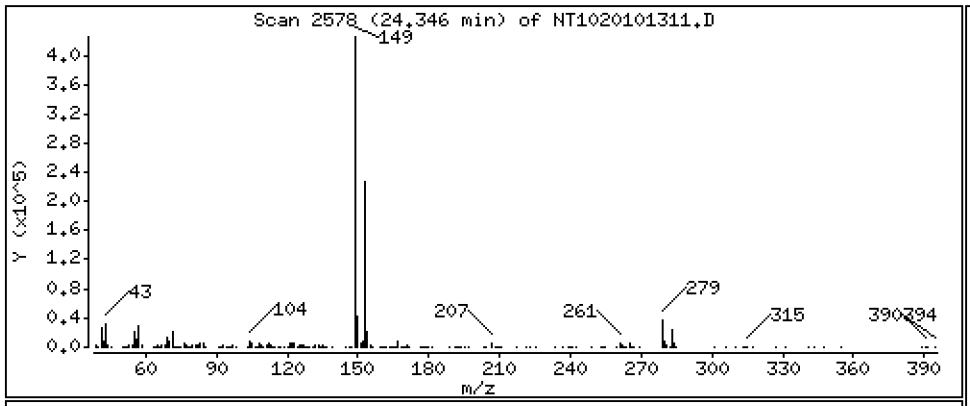
Operator: VTS

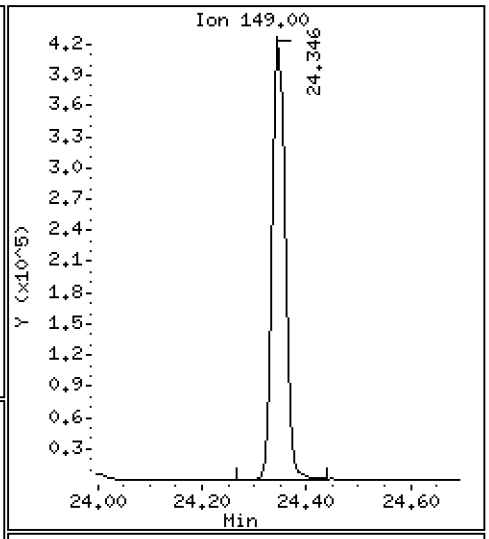
Column phase: ZB-5msi

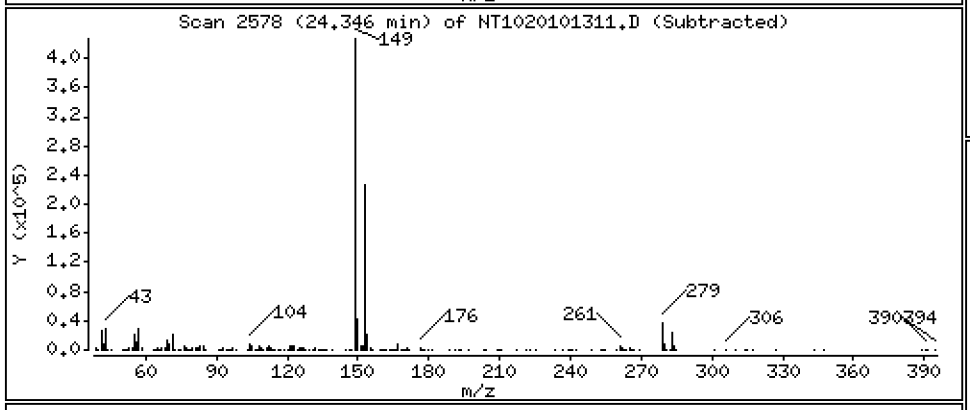
Column diameter: 0.25

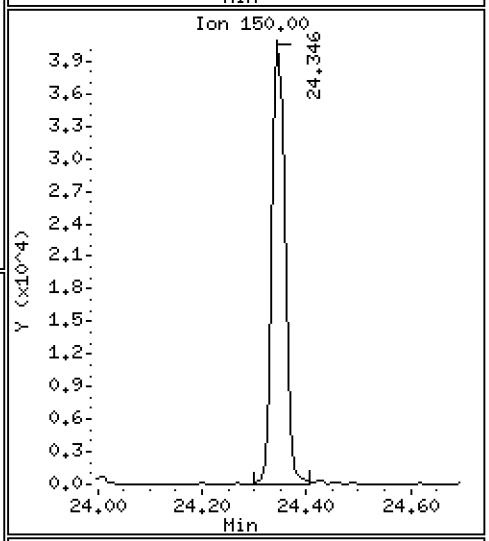
73 Di-n-octylphthalate

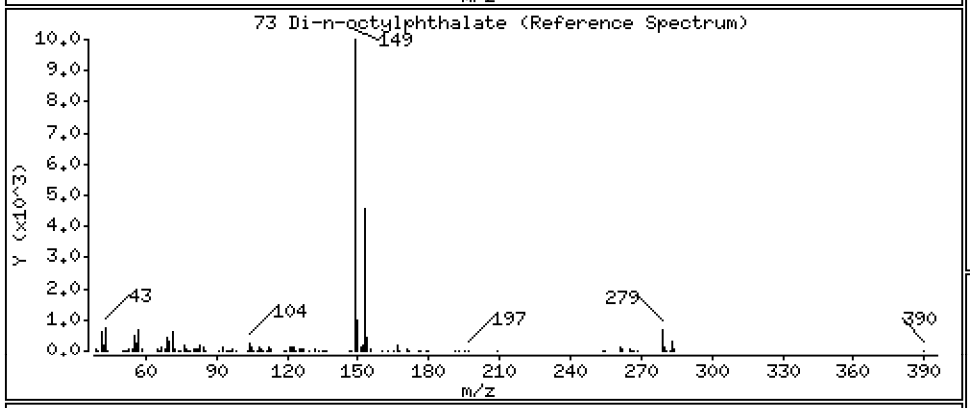
Concentration: 4.795 ug/mL

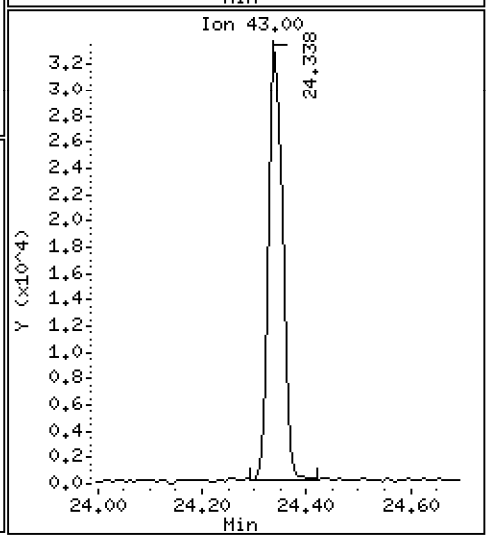


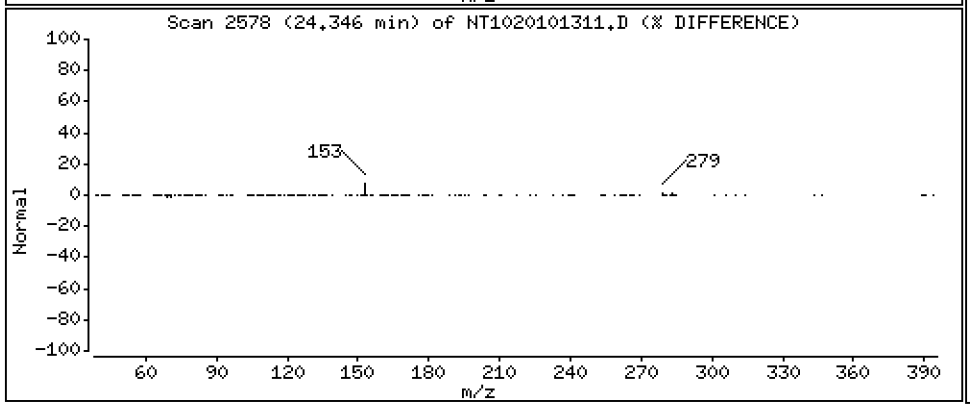












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

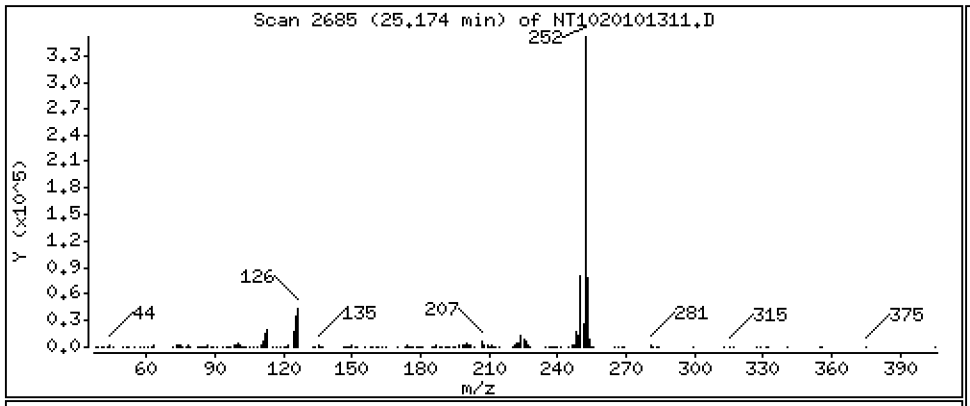
Operator: VTS

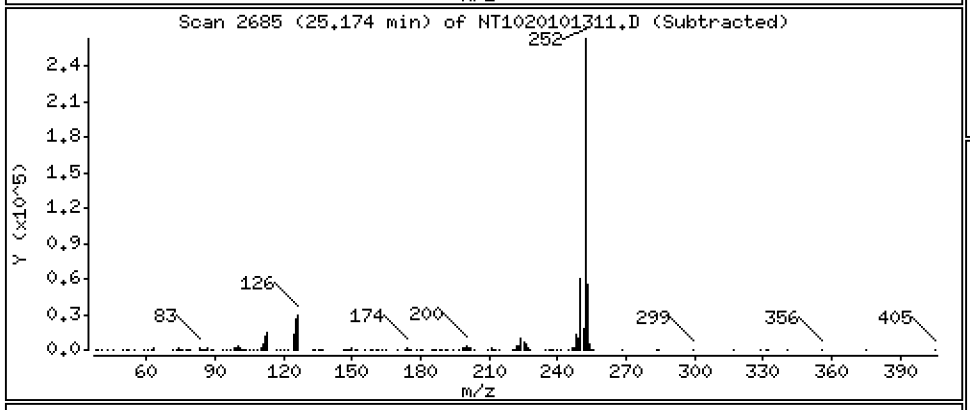
Column phase: ZB-5msi

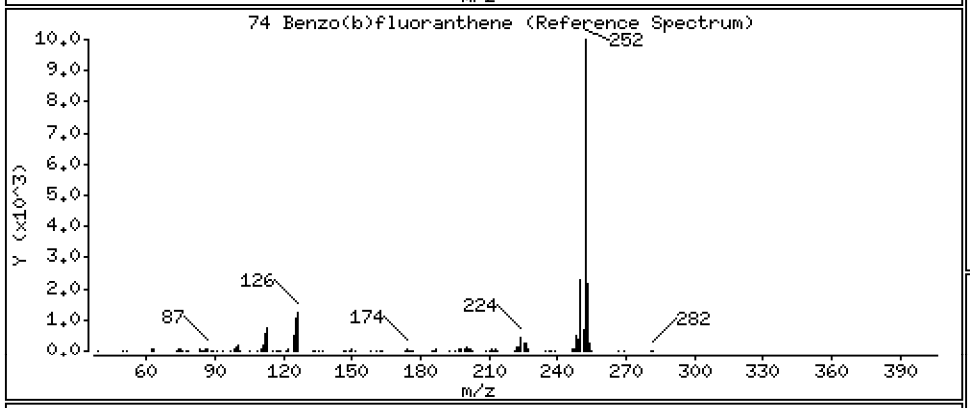
Column diameter: 0.25

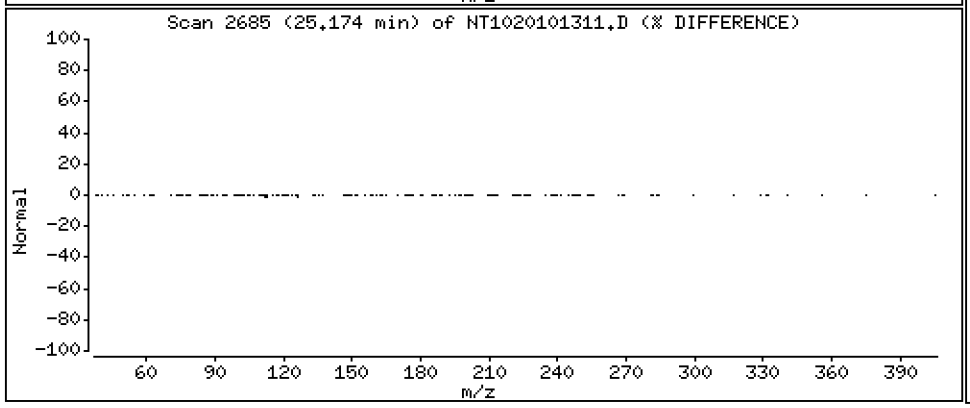
74 Benzo(b)fluoranthene

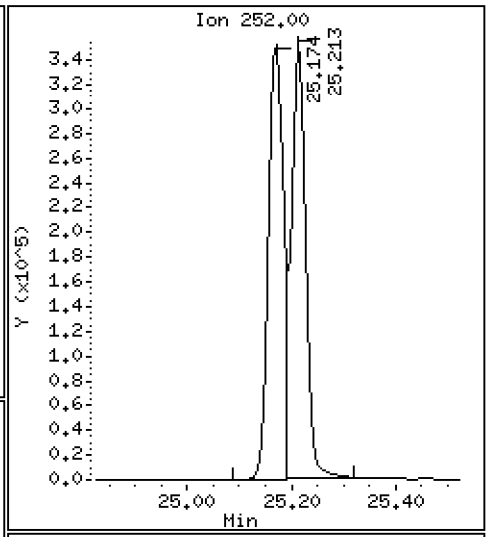
Concentration: 4.759 ug/mL

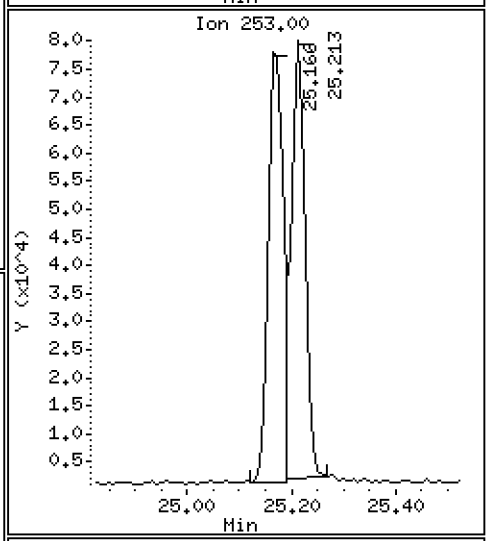


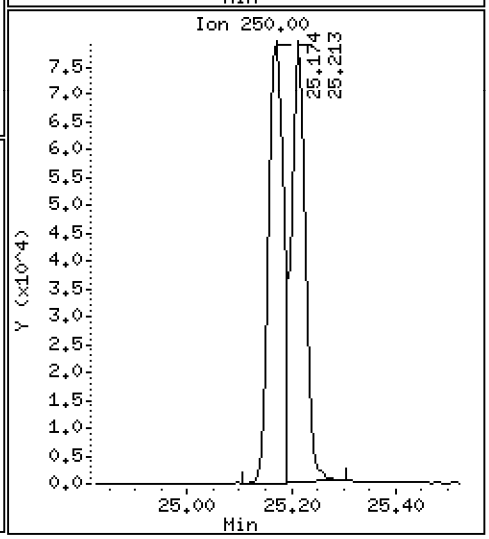












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

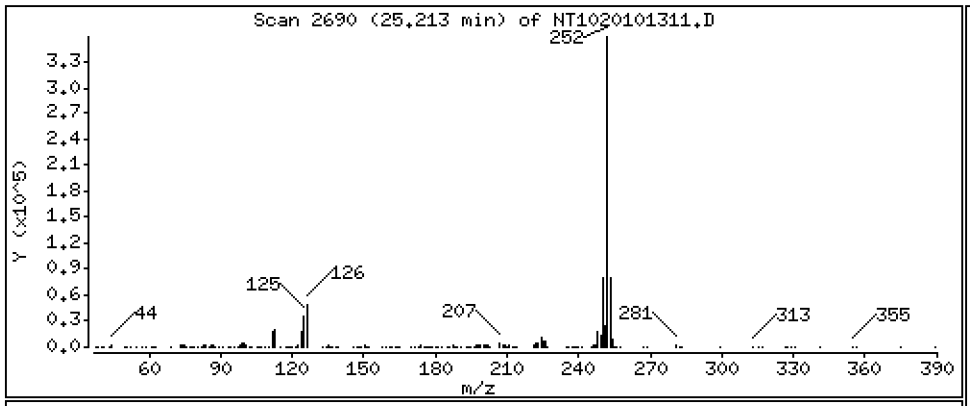
Operator: VTS

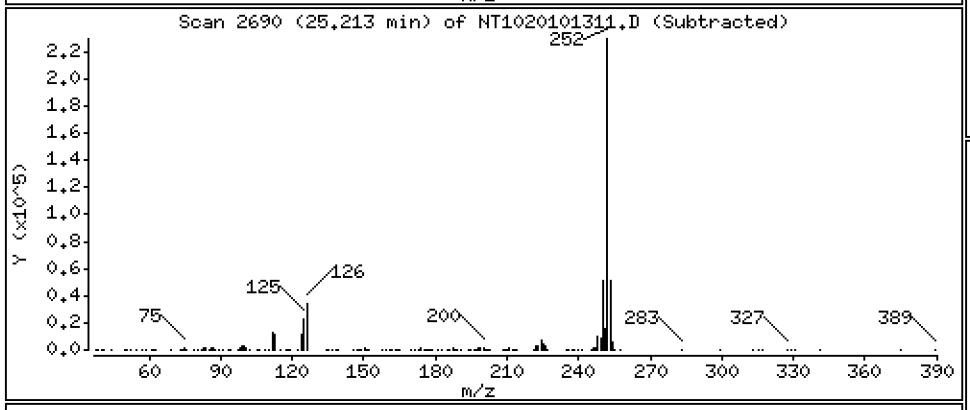
Column phase: ZB-5msi

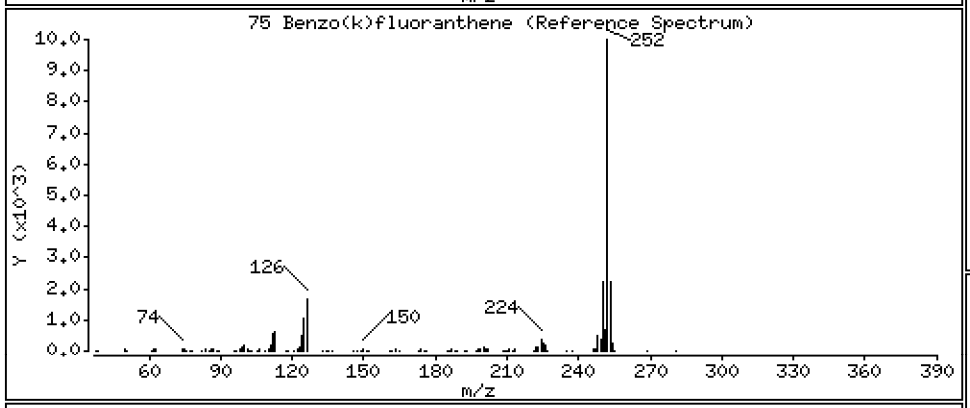
Column diameter: 0.25

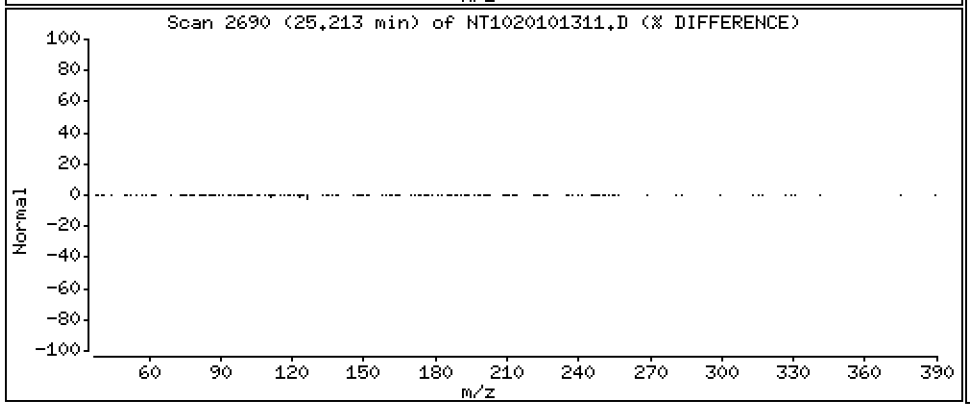
75 Benzo(k)fluoranthene

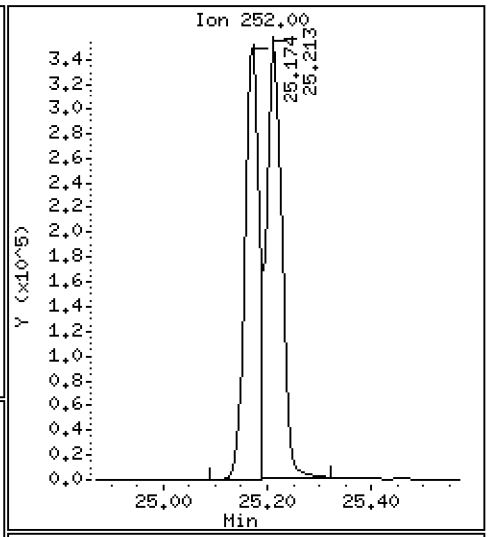
Concentration: 4.980 ug/mL

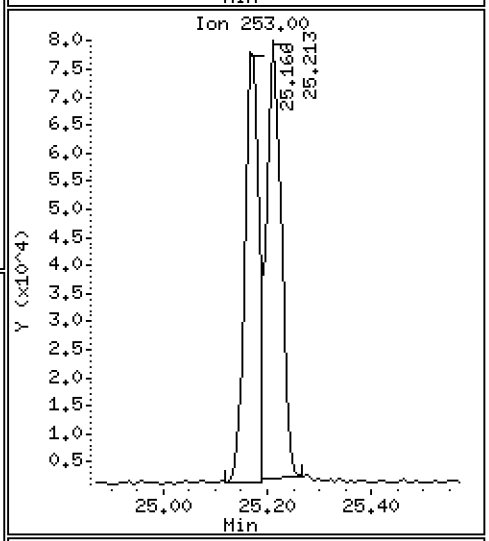


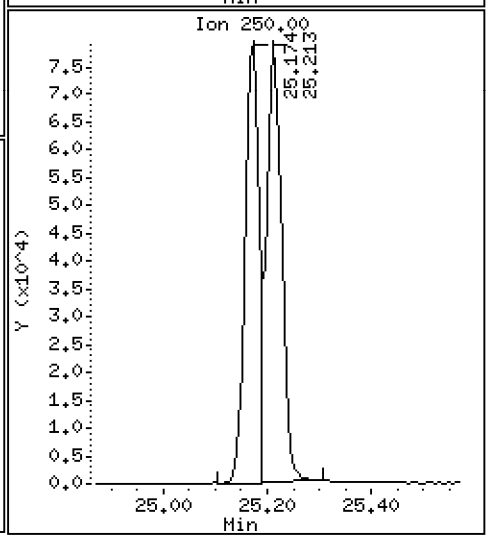












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

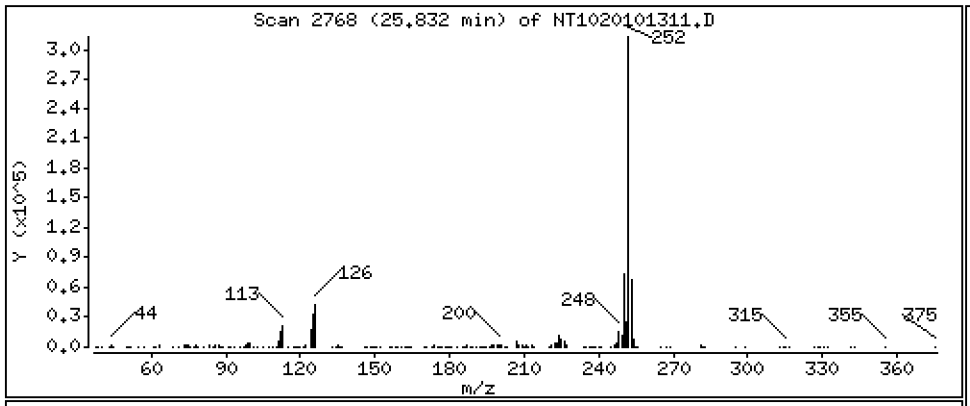
Operator: VTS

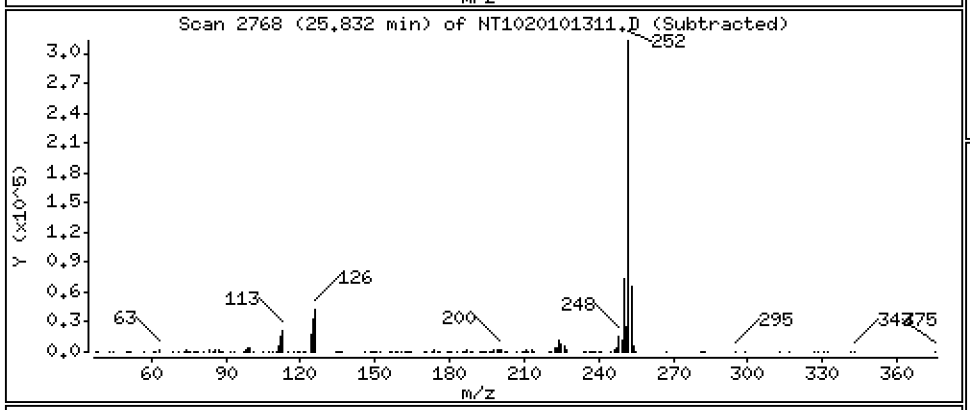
Column phase: ZB-5msi

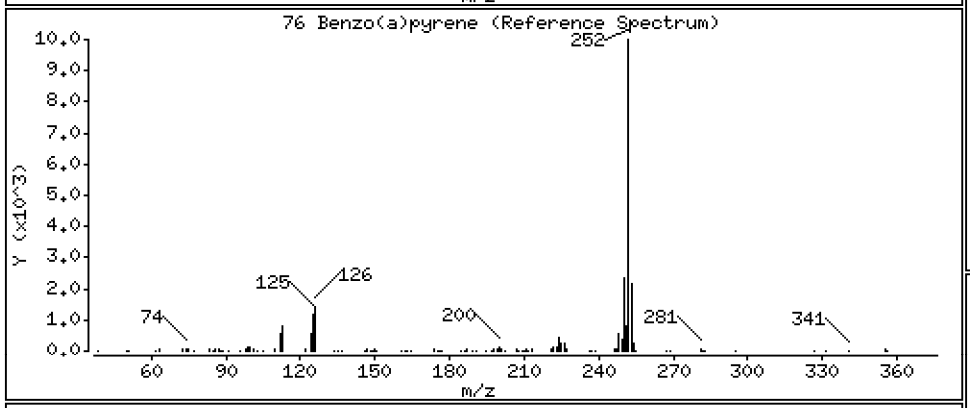
Column diameter: 0.25

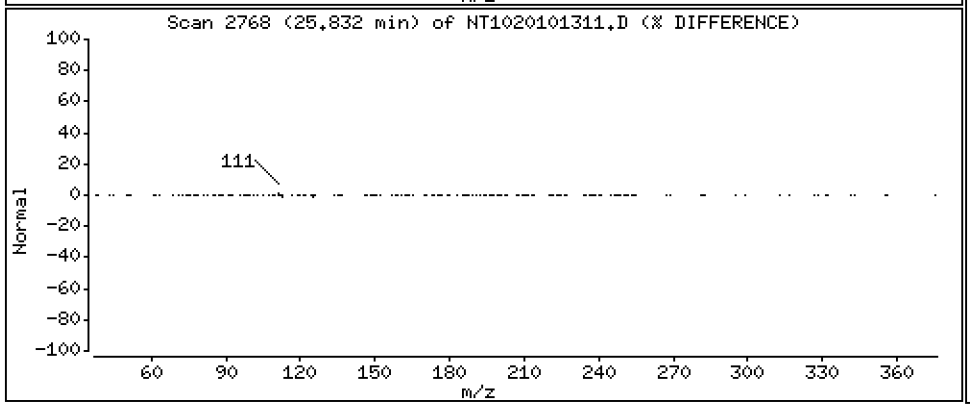
76 Benzo(a)pyrene

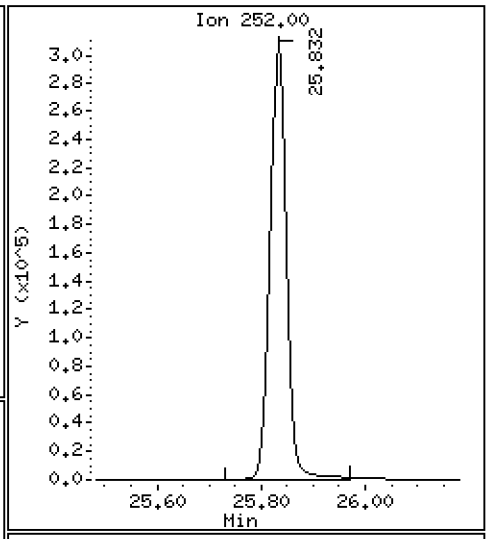
Concentration: 4.944 ug/mL

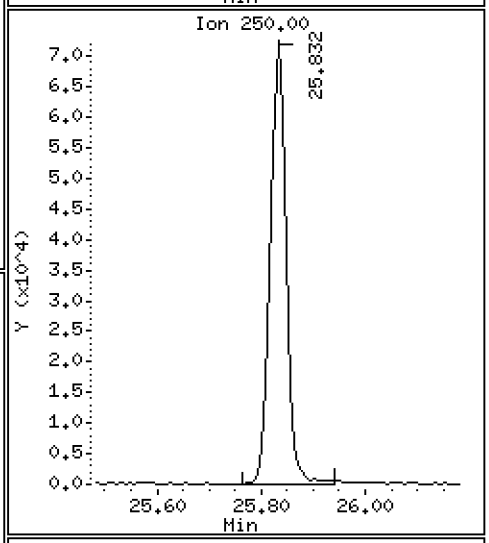


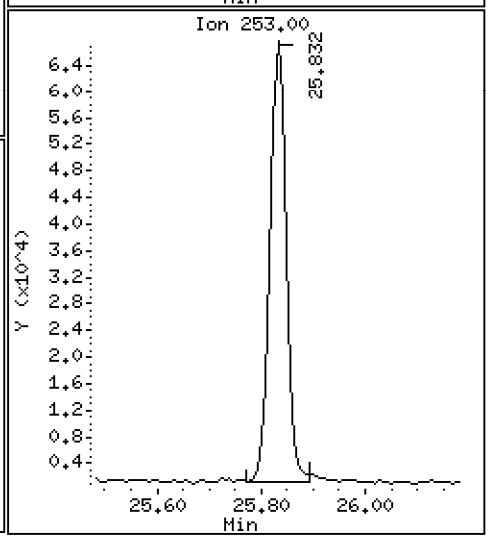












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

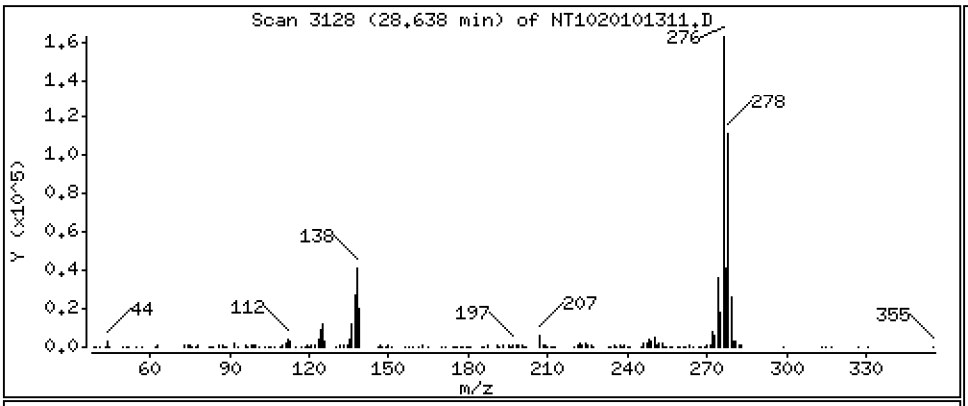
Operator: VTS

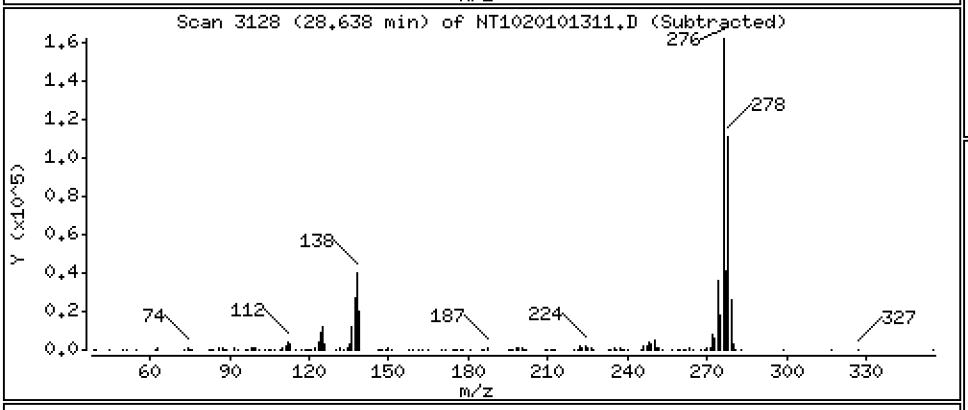
Column phase: ZB-5msi

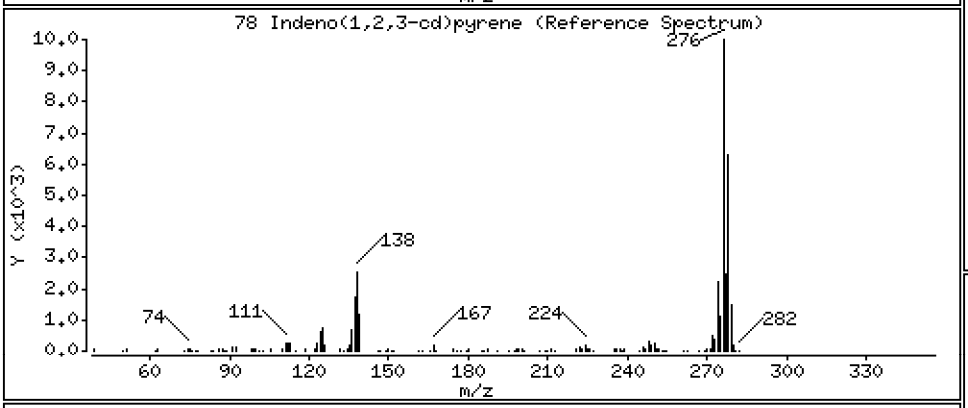
Column diameter: 0.25

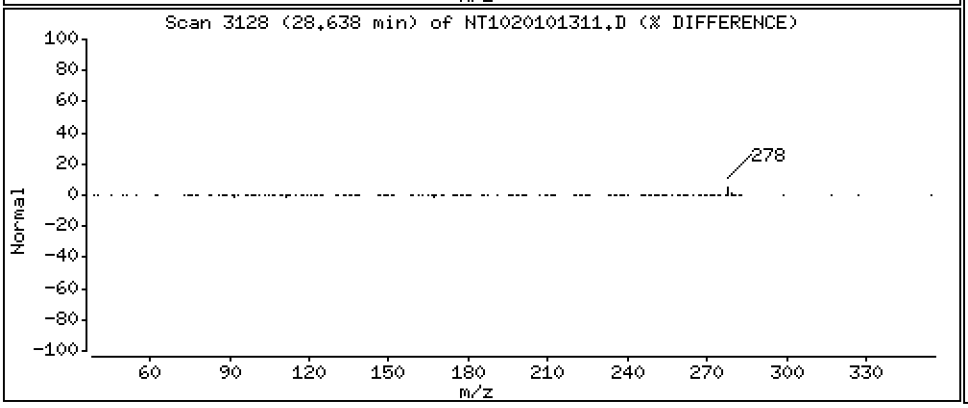
78 Indeno(1,2,3-cd)pyrene

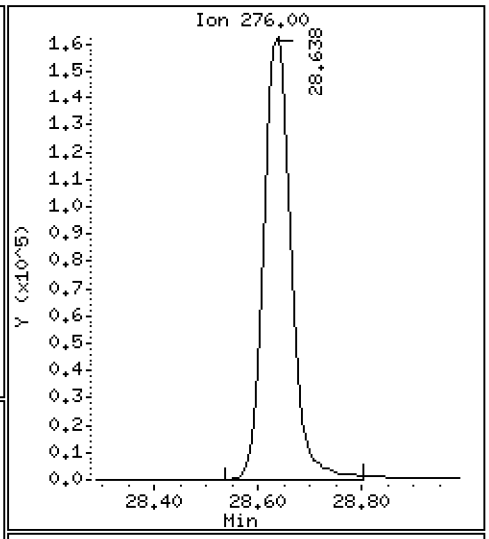
Concentration: 4.709 ug/mL

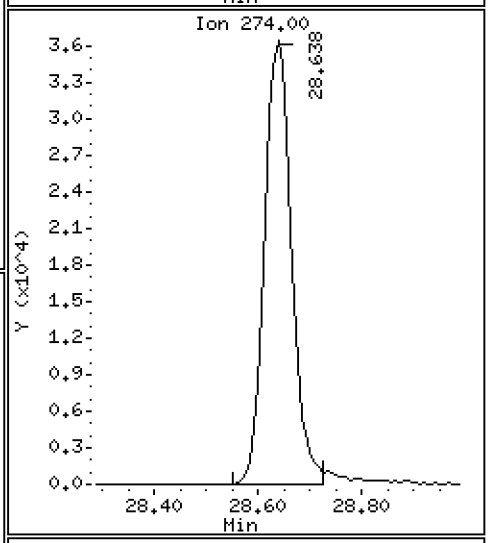


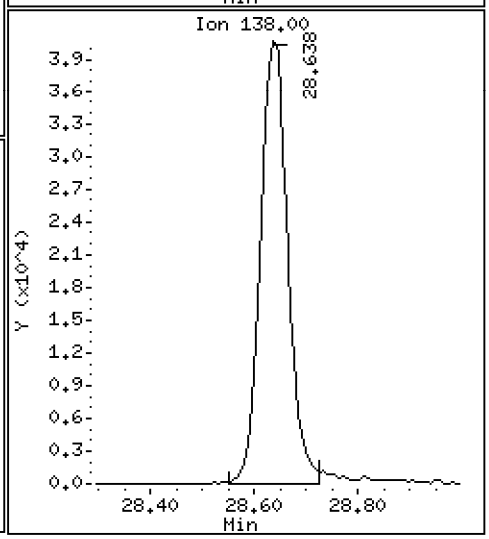












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

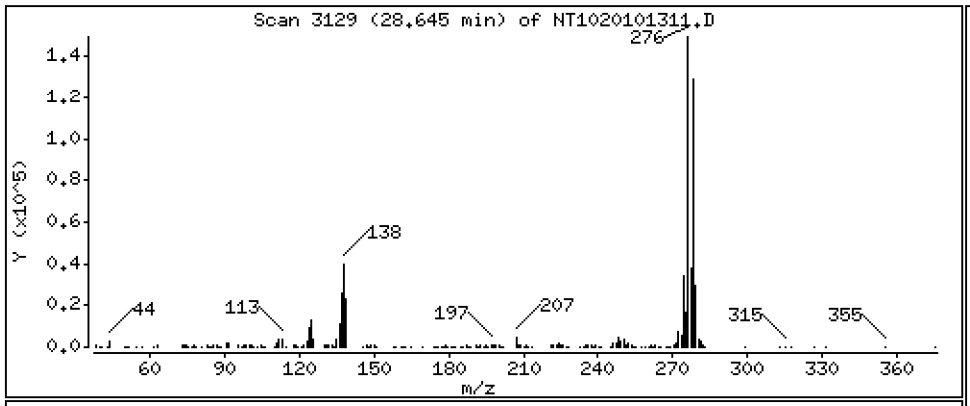
Operator: VTS

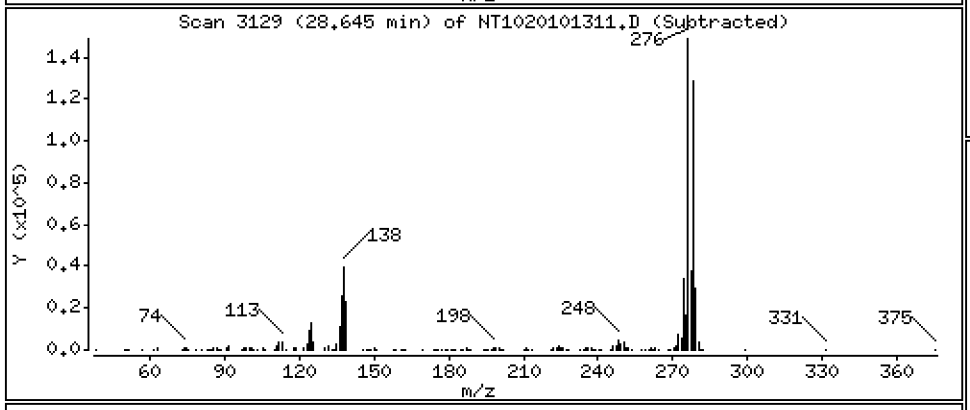
Column phase: ZB-5msi

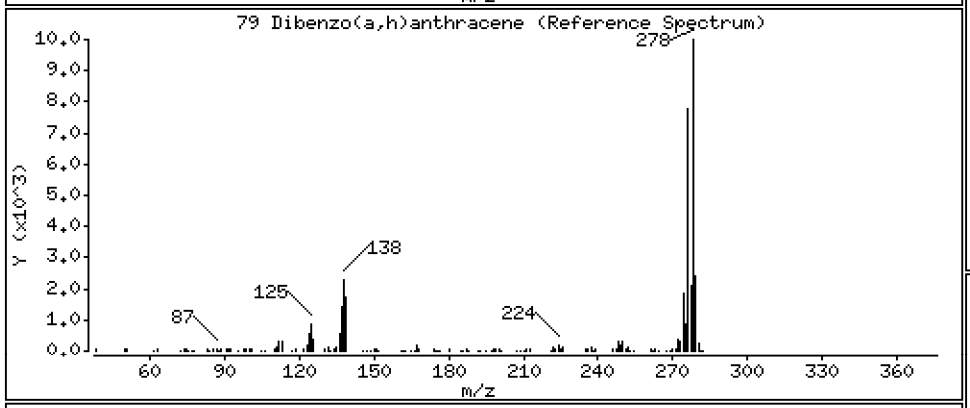
Column diameter: 0.25

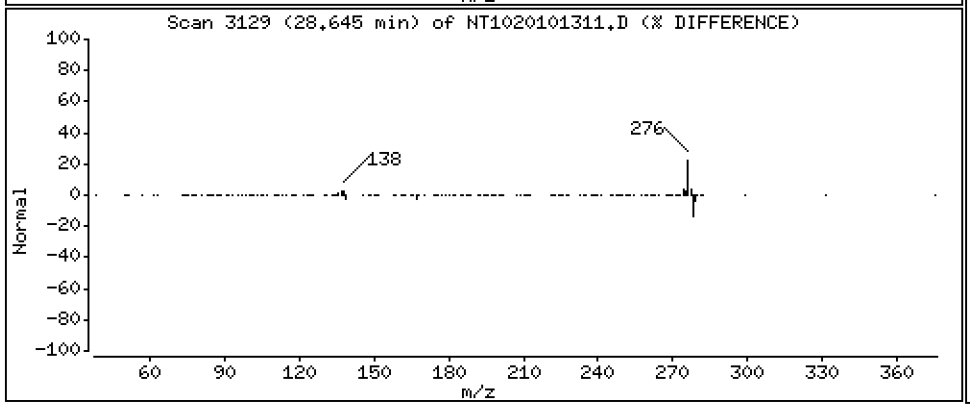
79 Dibenzo(a,h)anthracene

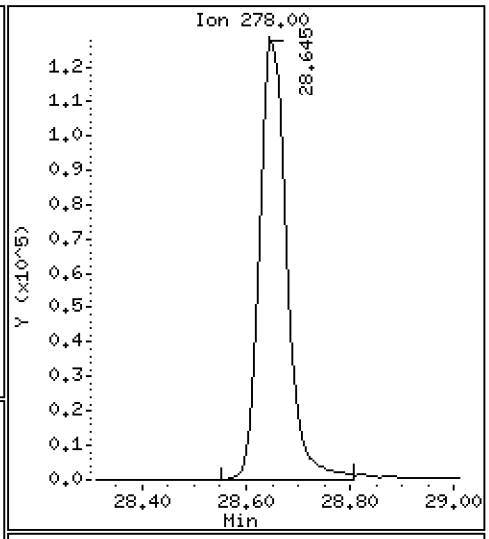
Concentration: 4.681 ug/mL

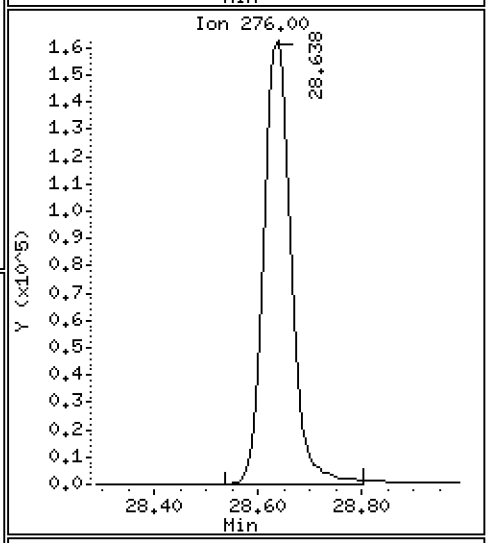


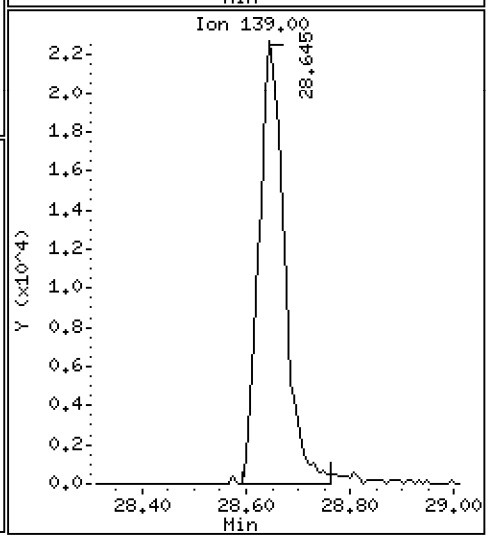












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

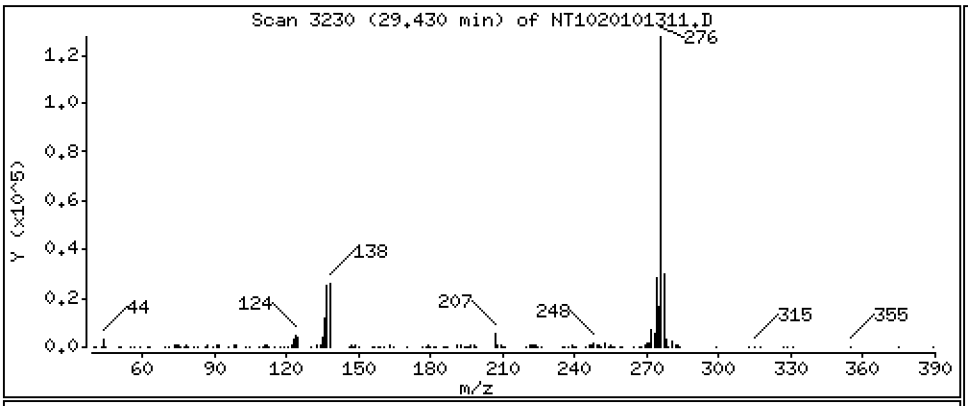
Operator: VTS

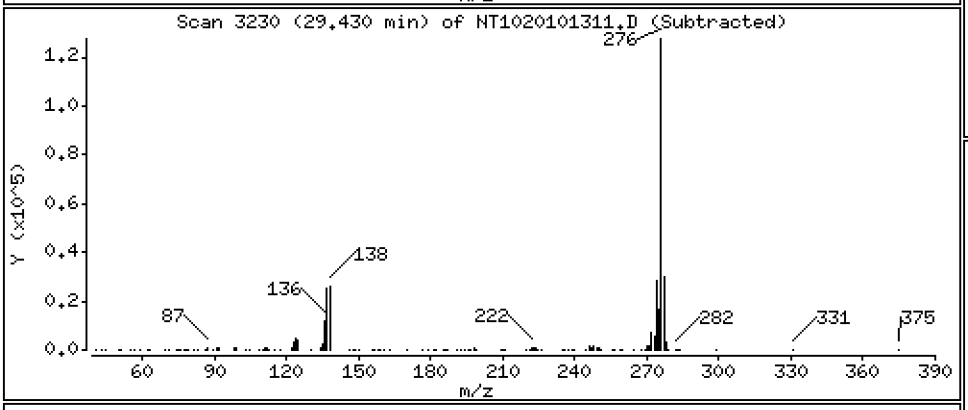
Column phase: ZB-5msi

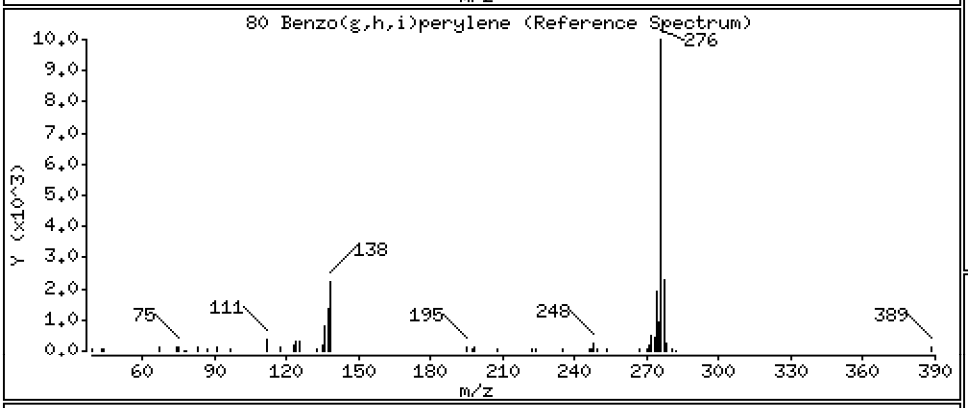
Column diameter: 0.25

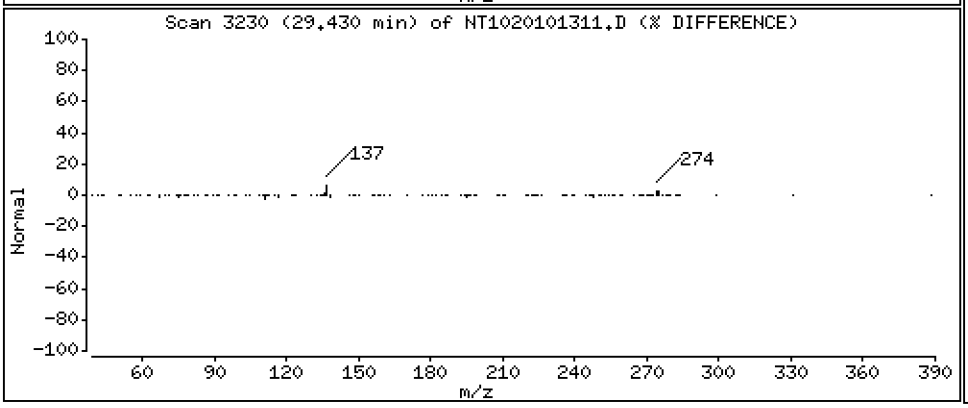
80 Benzo(g,h,i)perylene

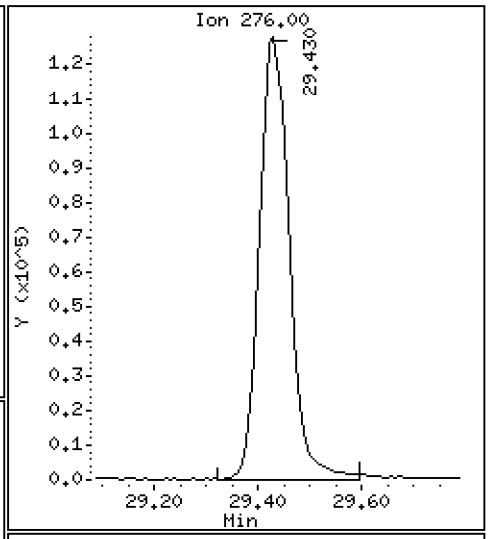
Concentration: 4.697 ug/mL

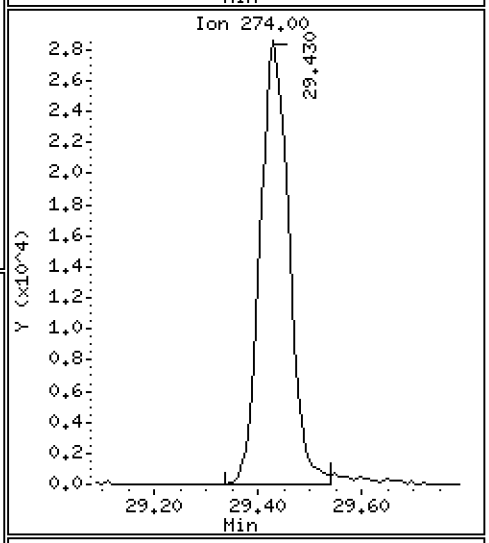


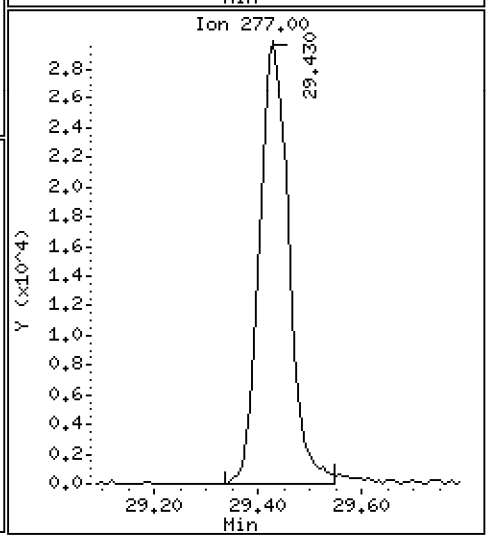












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

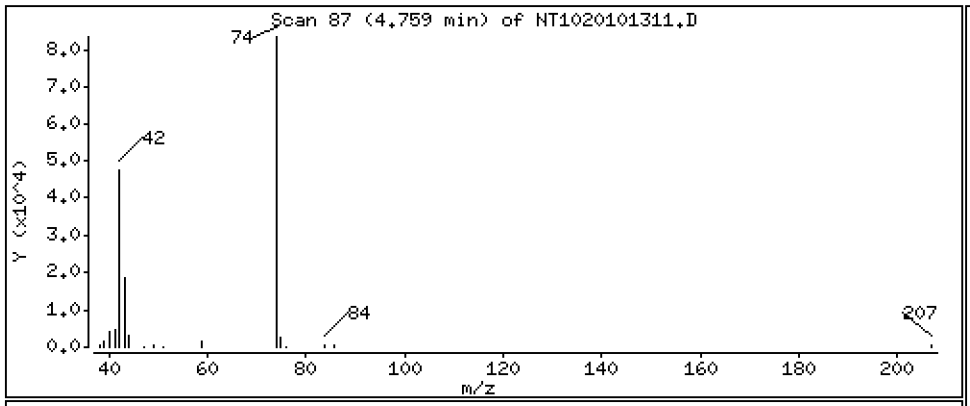
Operator: VTS

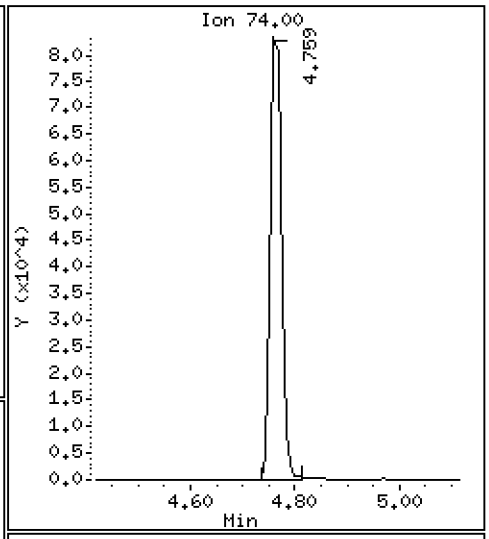
Column phase: ZB-5msi

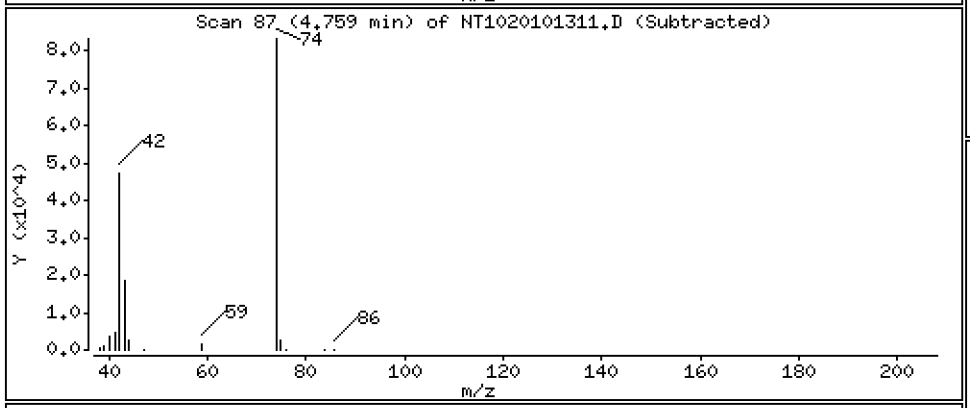
Column diameter: 0.25

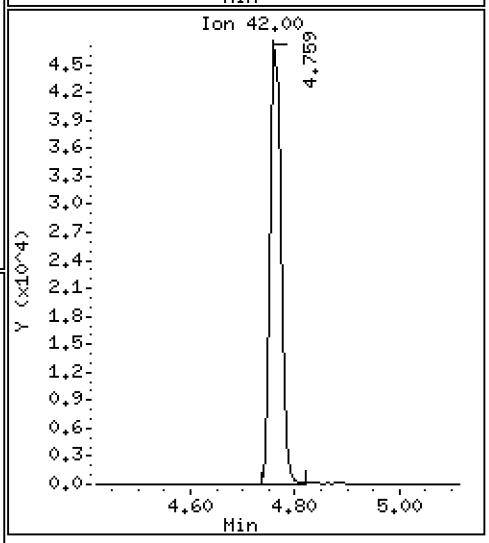
90 N-Nitrosodimethylamine

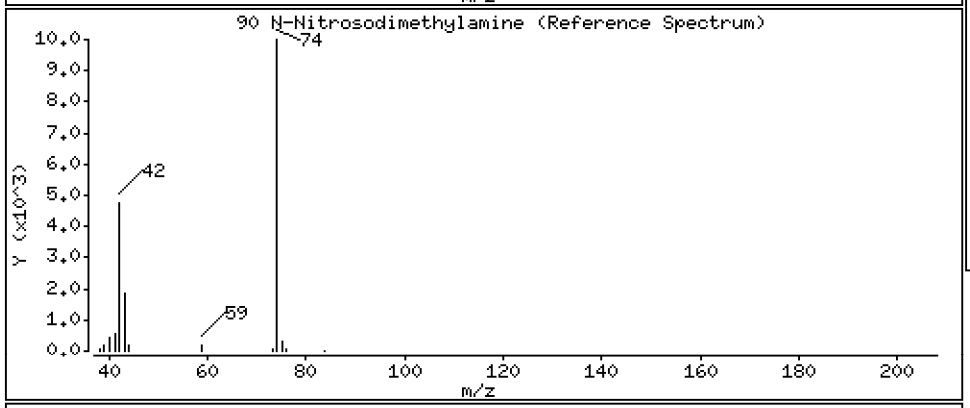
Concentration: 5.870 ug/mL

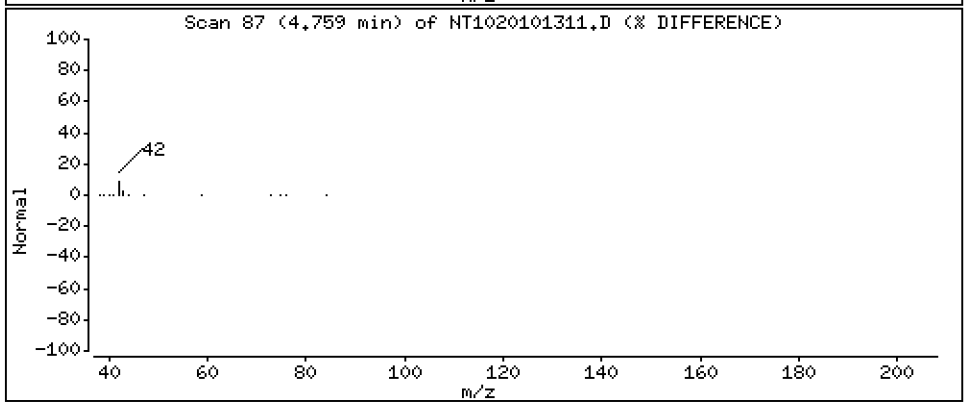












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

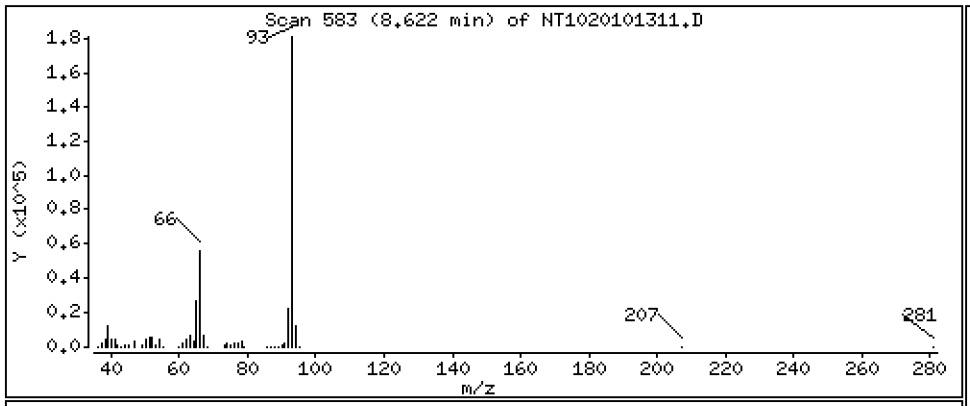
Operator: VTS

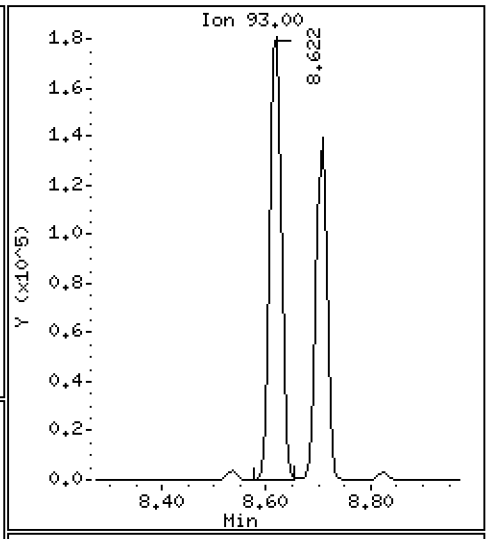
Column phase: ZB-5msi

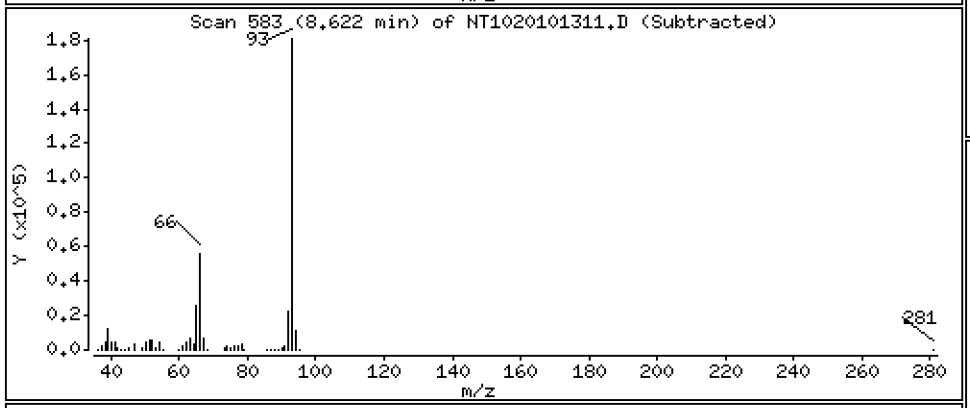
Column diameter: 0.25

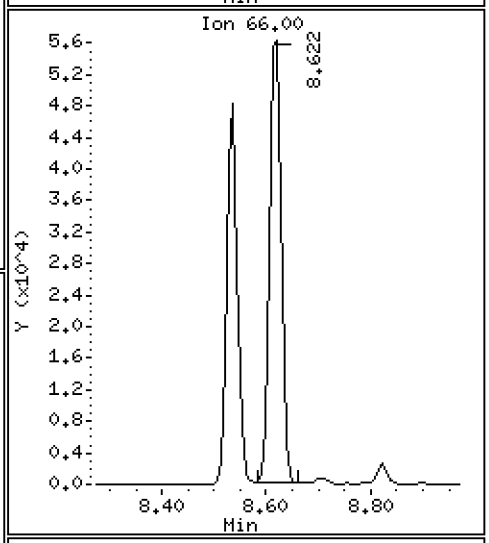
91 Aniline

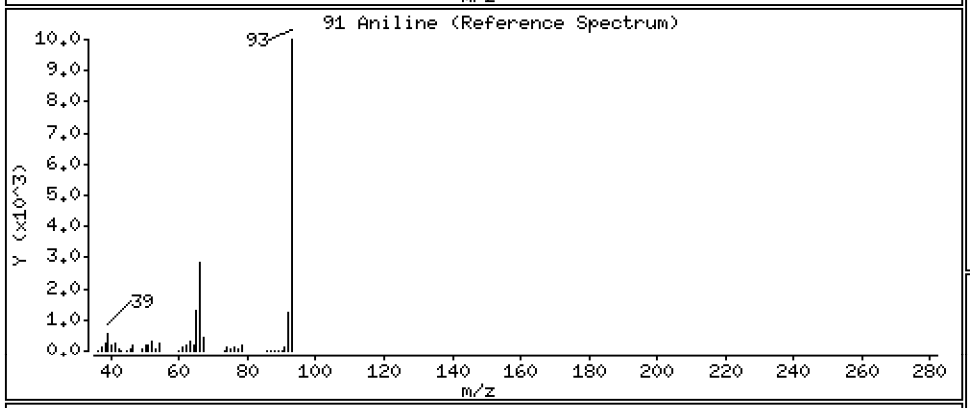
Concentration: 7.424 ug/mL

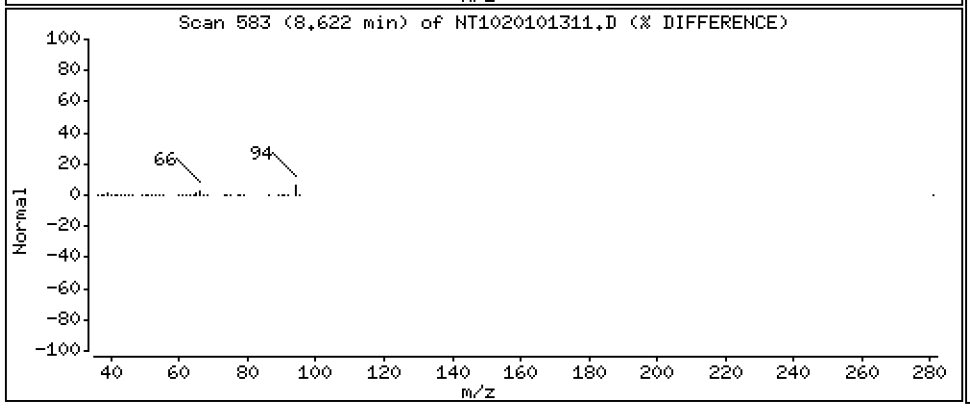


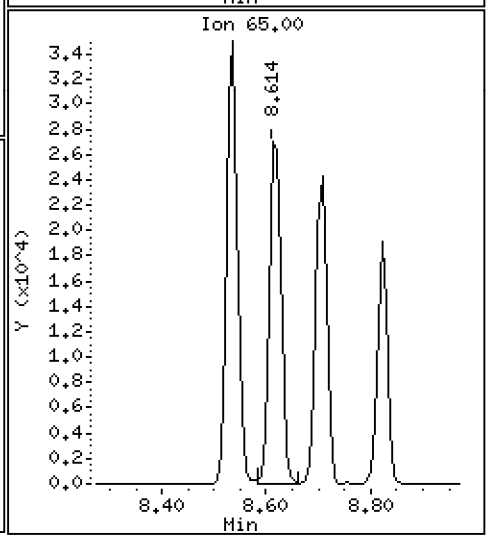












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

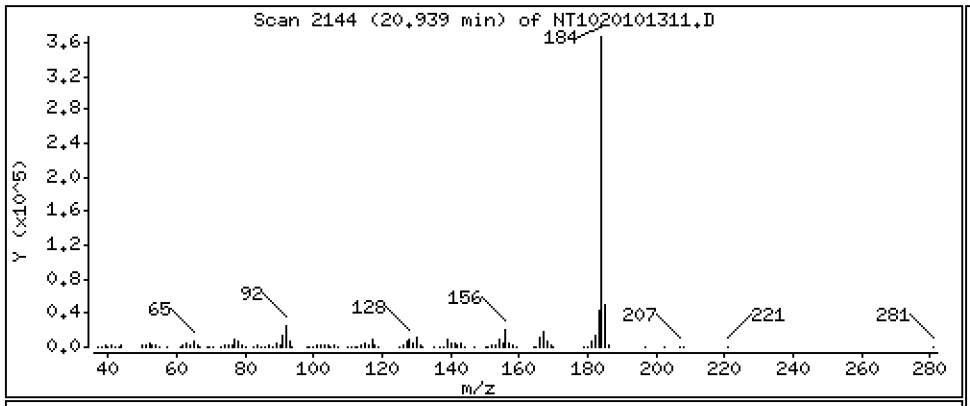
Operator: VTS

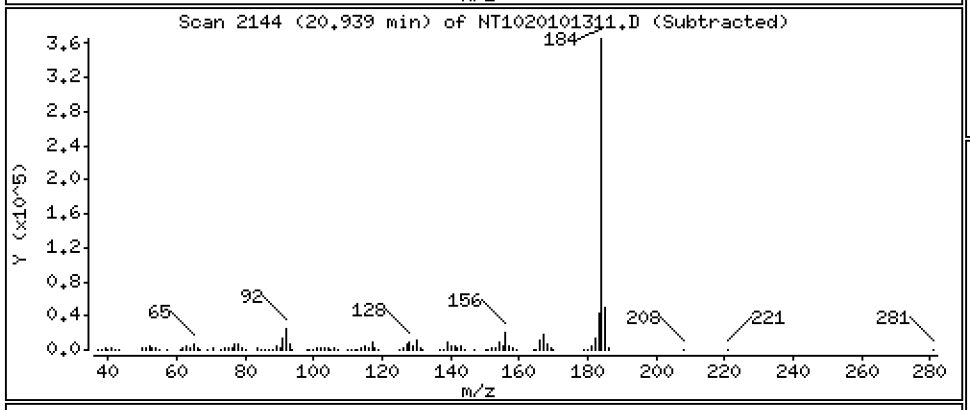
Column phase: ZB-5msi

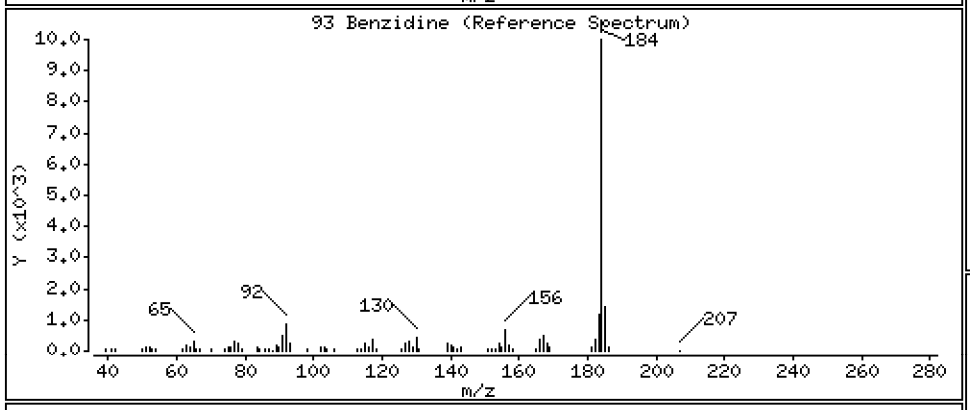
Column diameter: 0.25

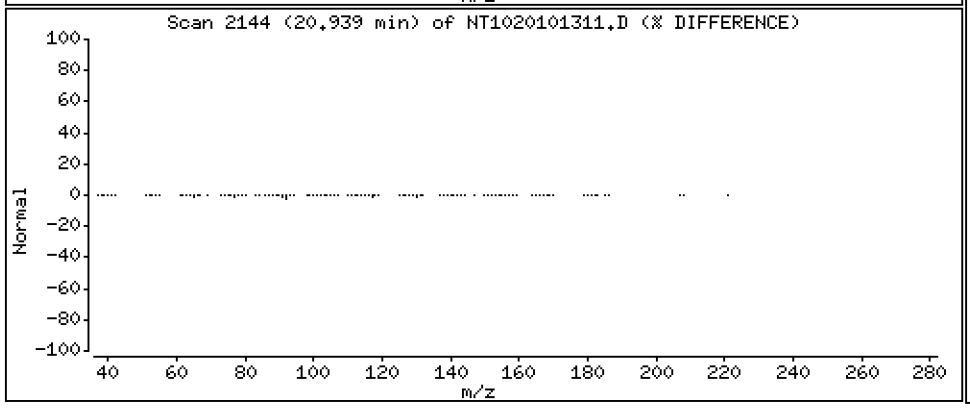
93 Benzidine

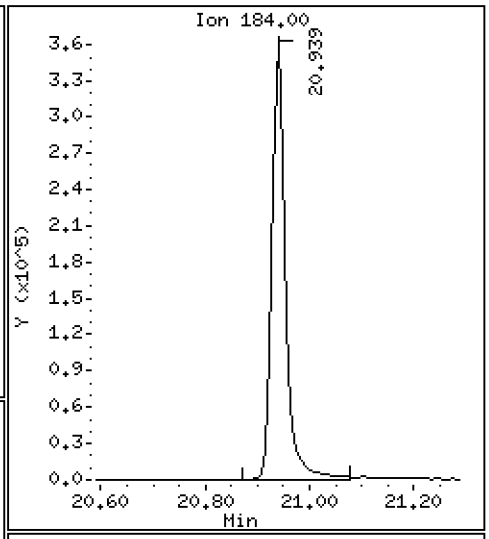
Concentration: 6.545 ug/mL

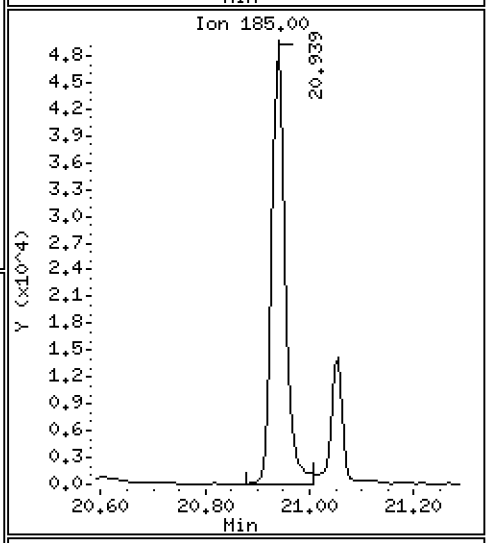


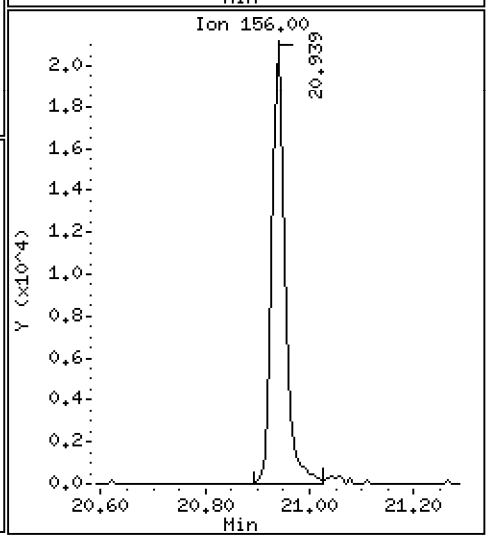












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

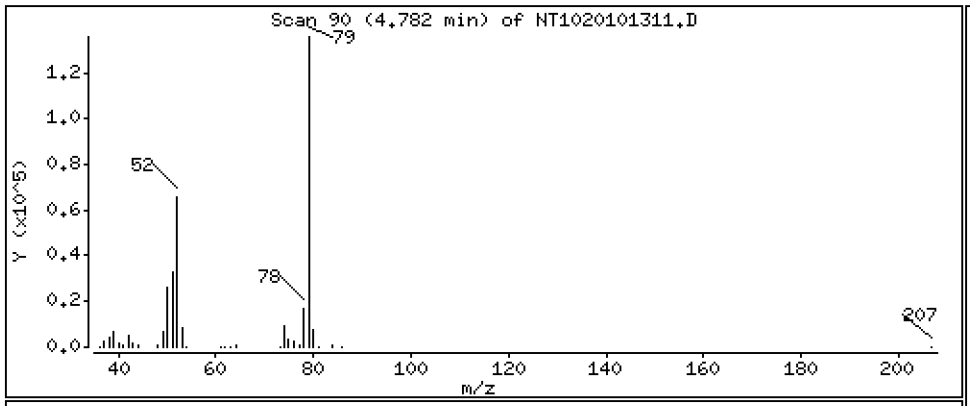
Operator: VTS

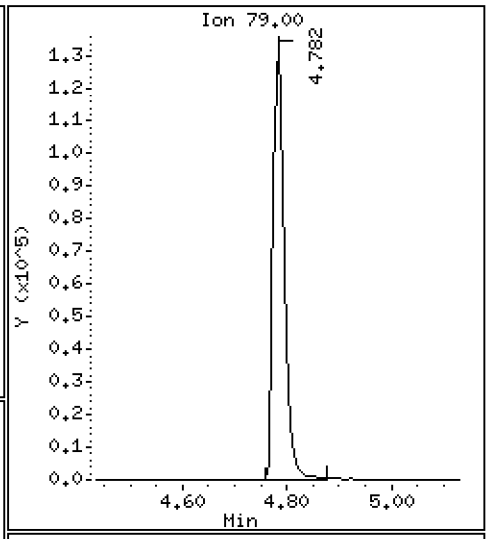
Column phase: ZB-5msi

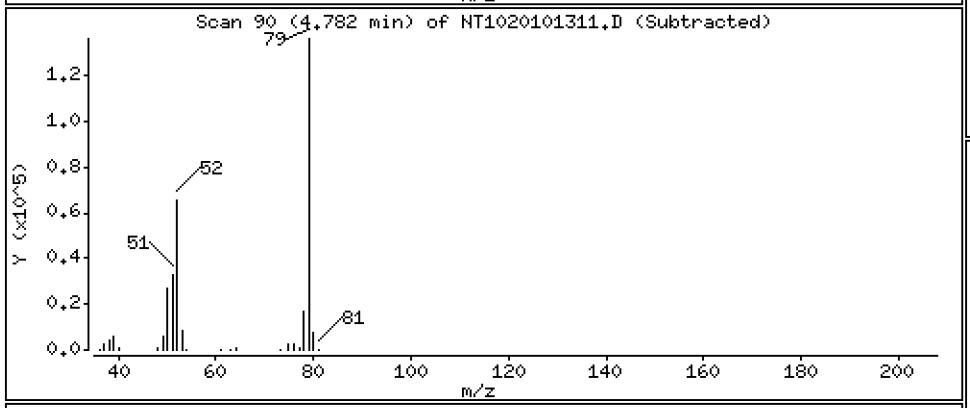
Column diameter: 0.25

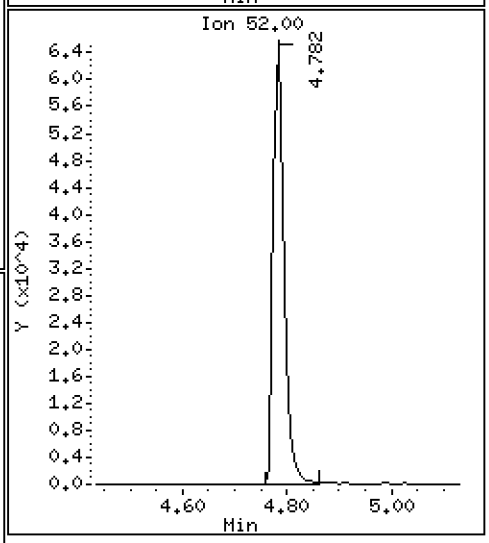
103 Pyridine

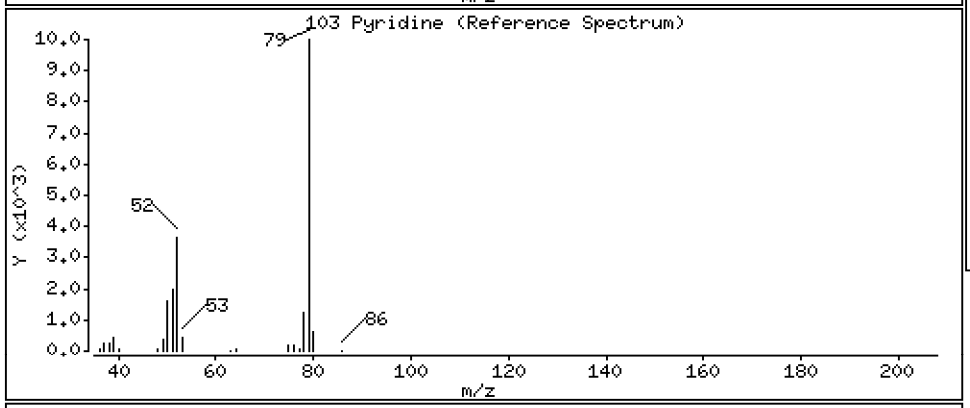
Concentration: 5.872 ug/mL

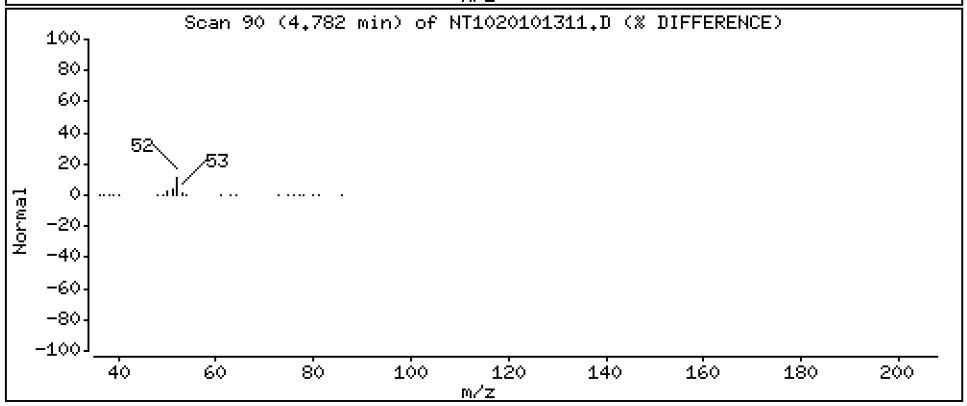












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

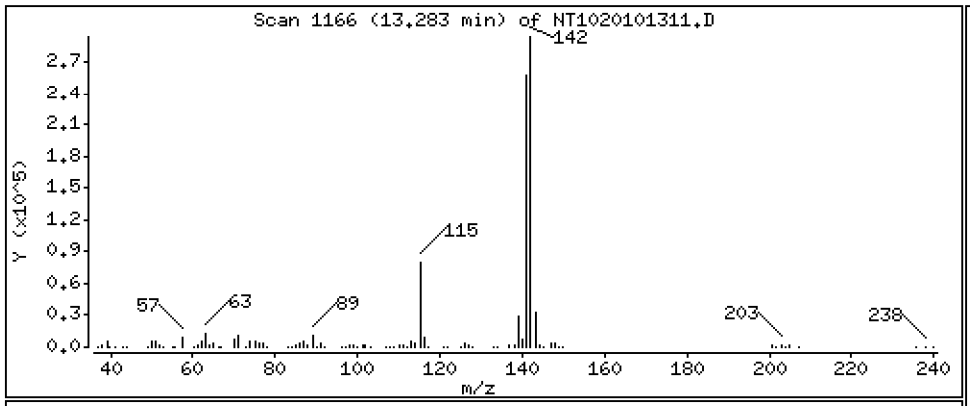
Operator: VTS

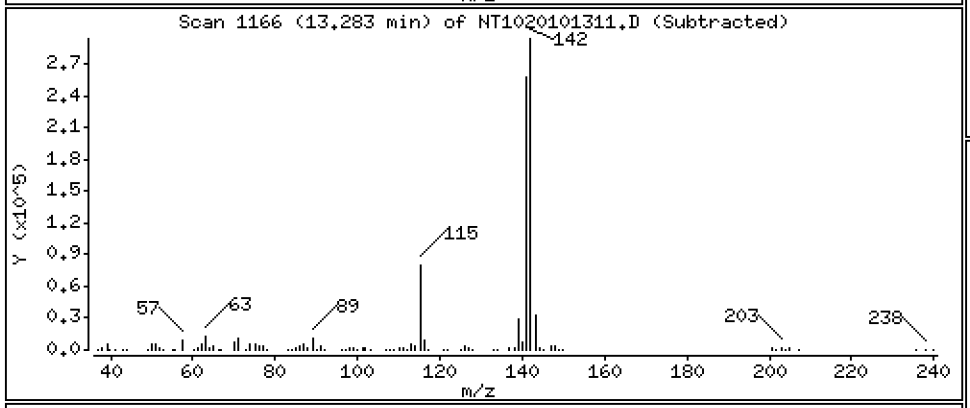
Column phase: ZB-5msi

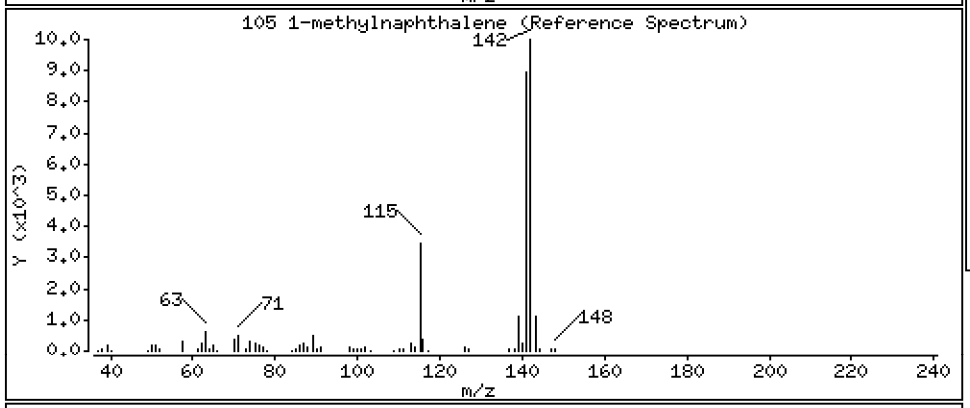
Column diameter: 0.25

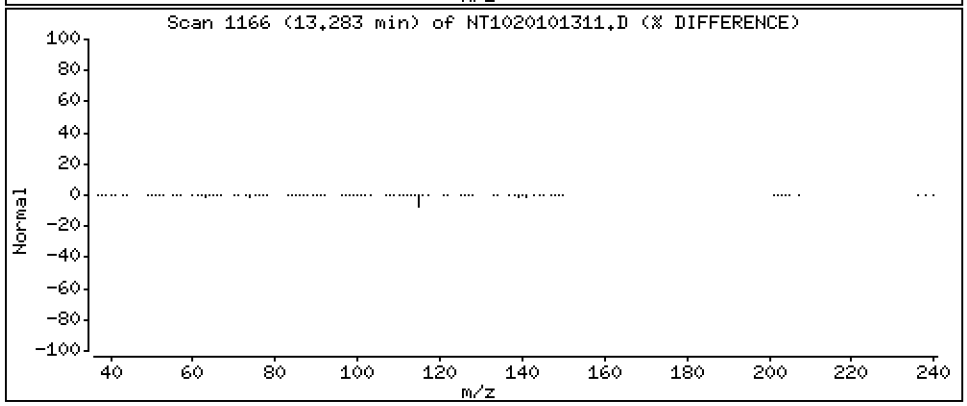
105 1-methylnaphthalene

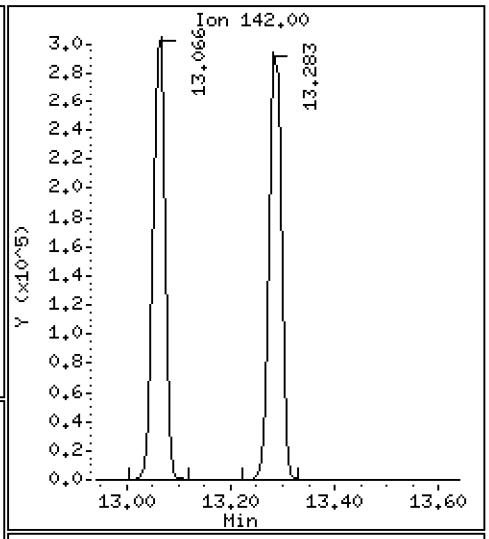
Concentration: 5.103 ug/mL

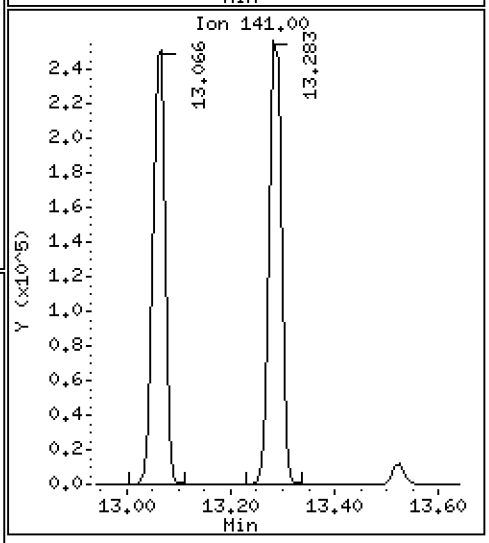












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

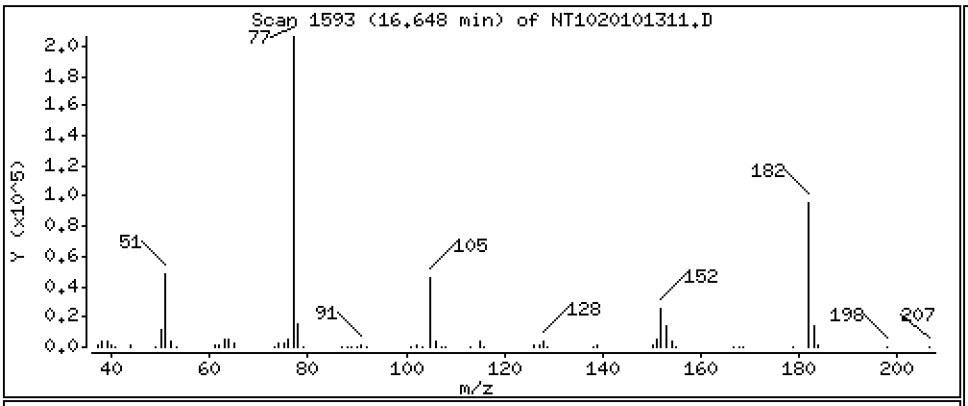
Operator: VTS

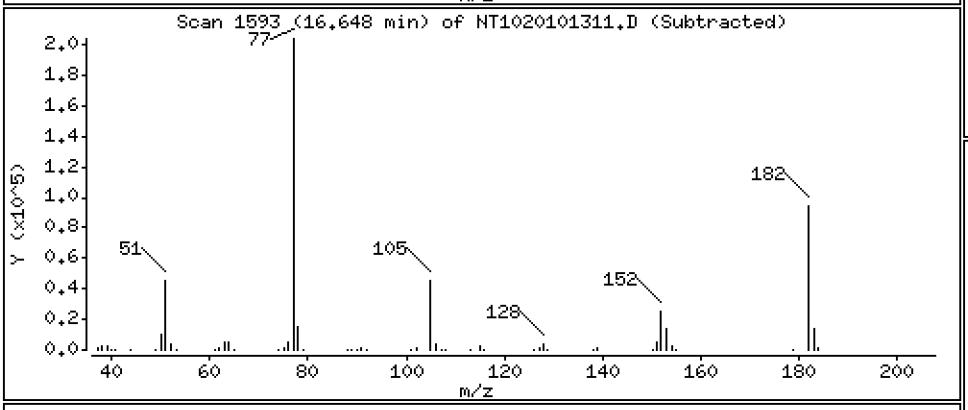
Column phase: ZB-5msi

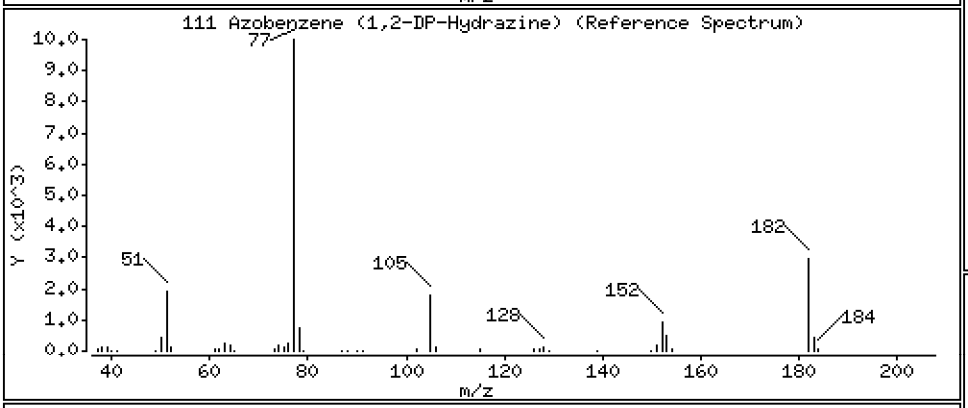
Column diameter: 0.25

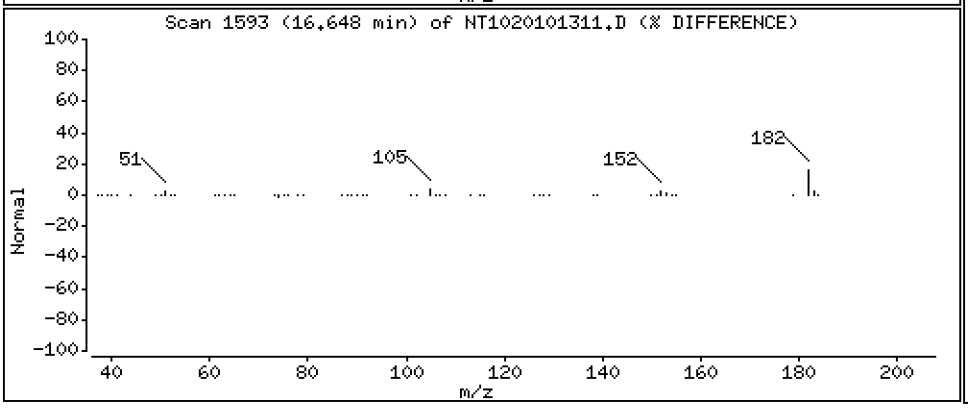
111 Azobenzene (1,2-DP-Hydrazine)

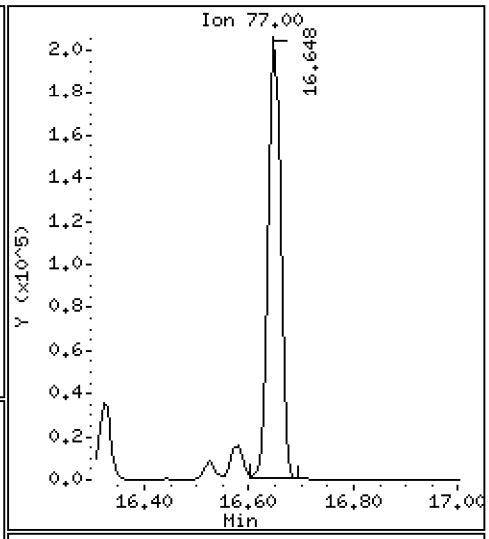
Concentration: 4.401 ug/mL

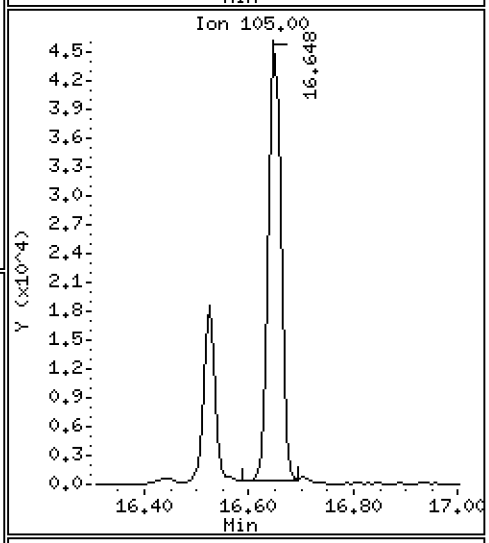


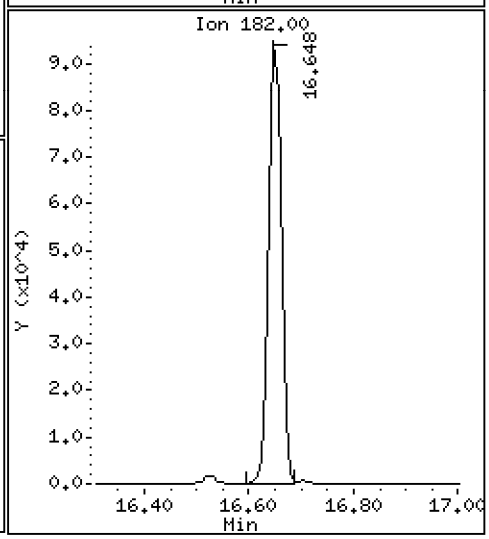












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

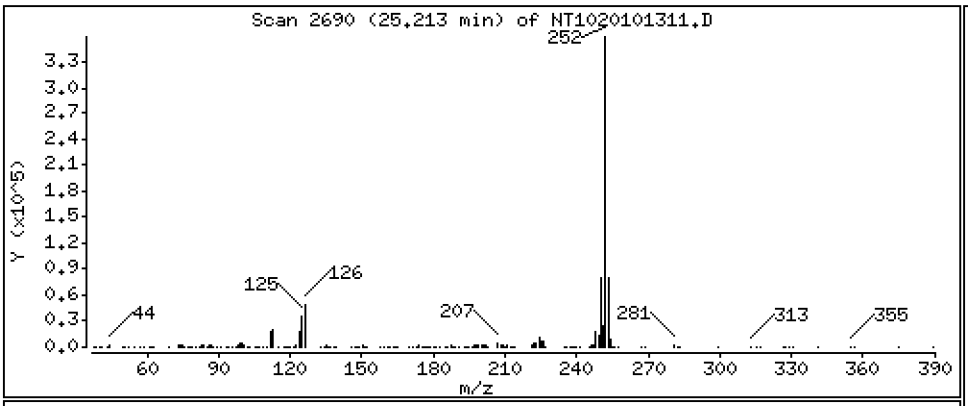
Operator: VTS

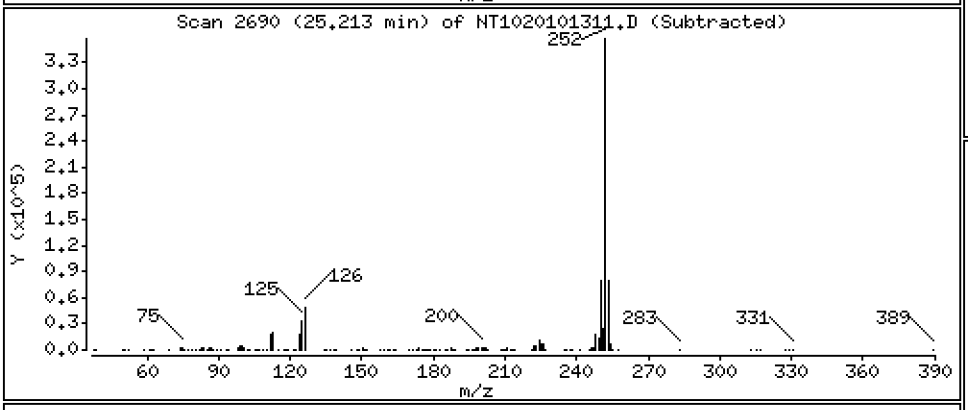
Column phase: ZB-5msi

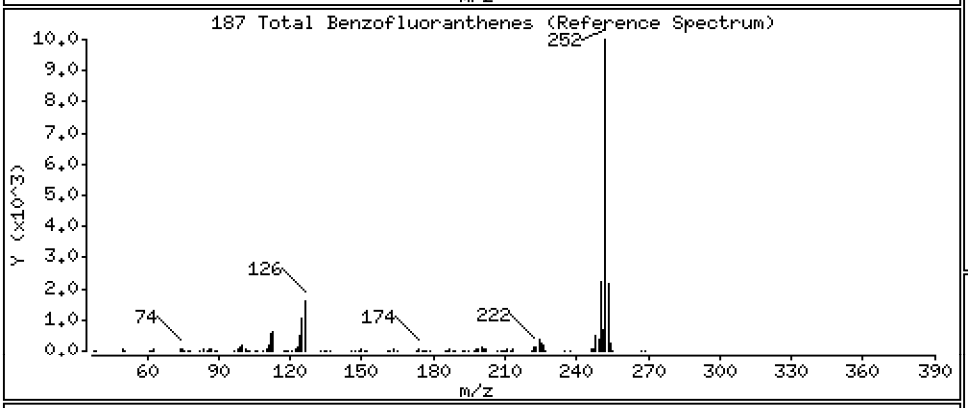
Column diameter: 0.25

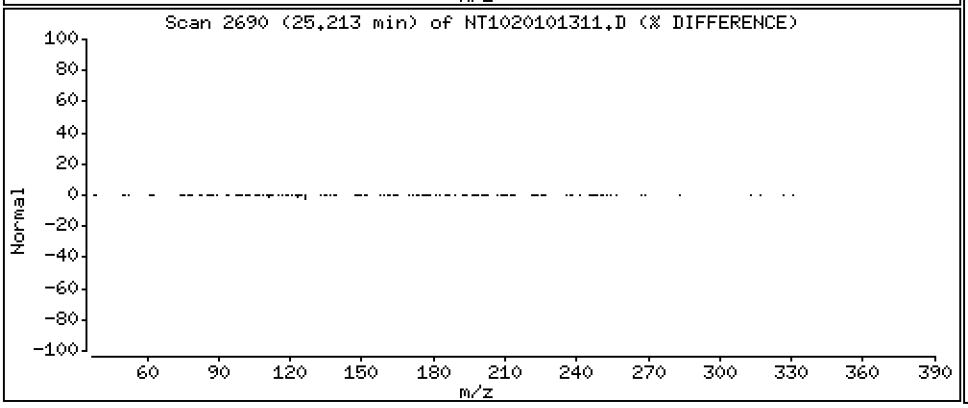
187 Total Benzofluoranthenes

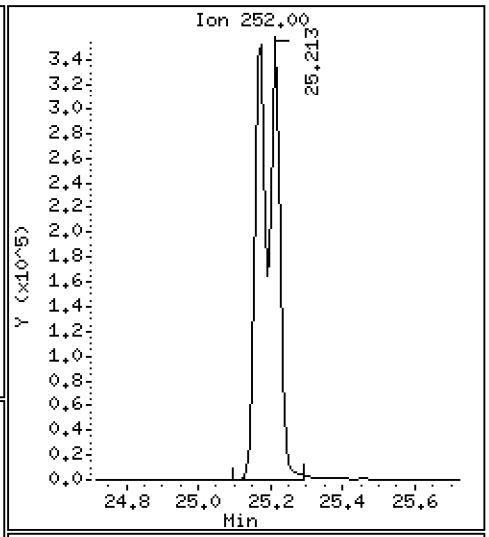
Concentration: 9.603 ug/mL

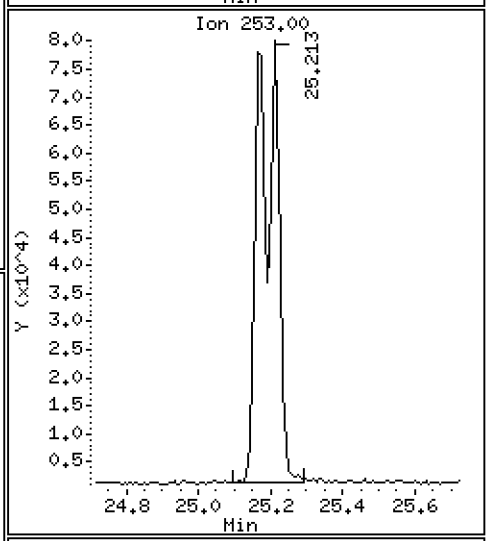


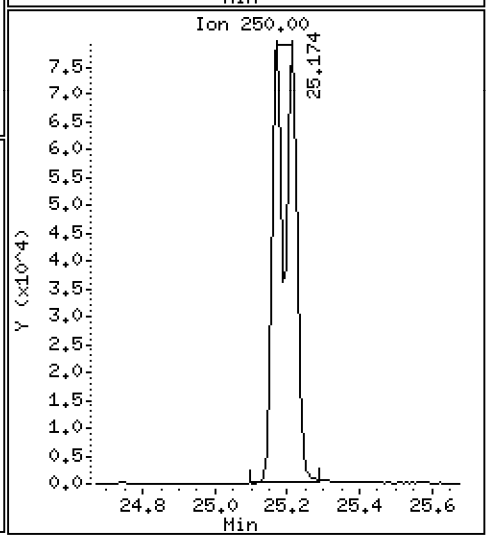












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

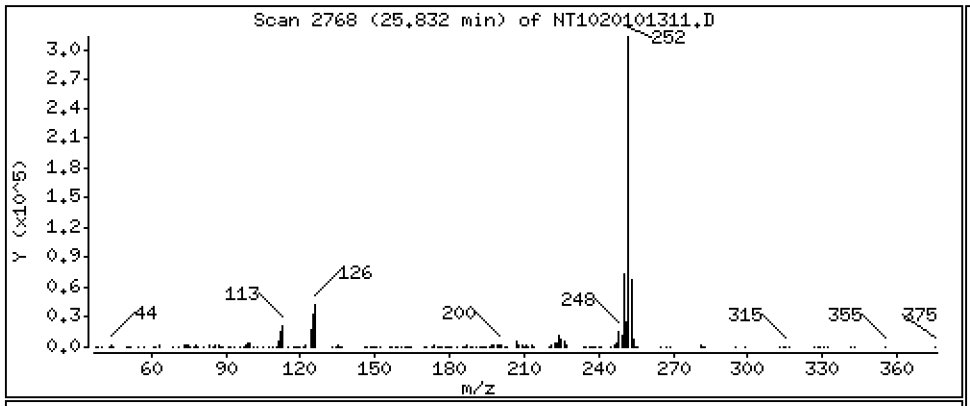
Client ID: Instrument: nt10.i

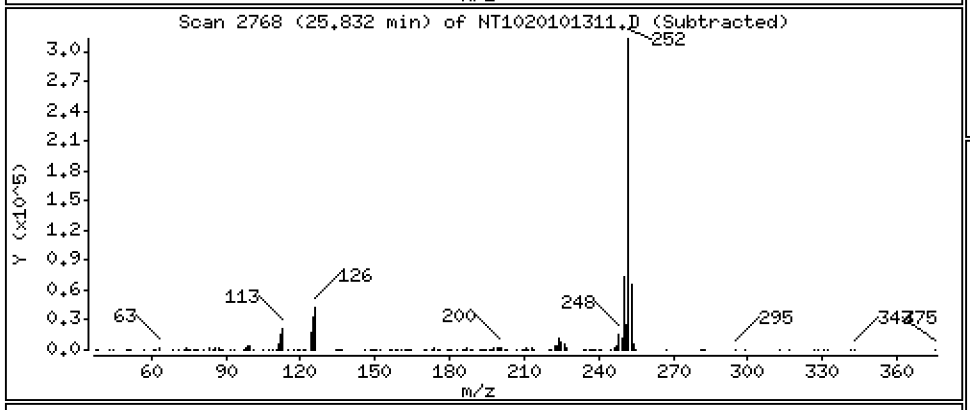
Sample Info: SIJ0179-SCV1

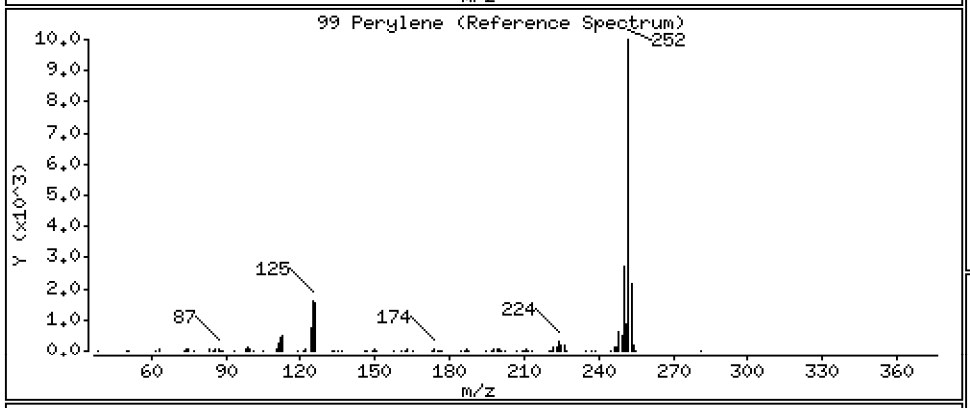
Operator: VTS

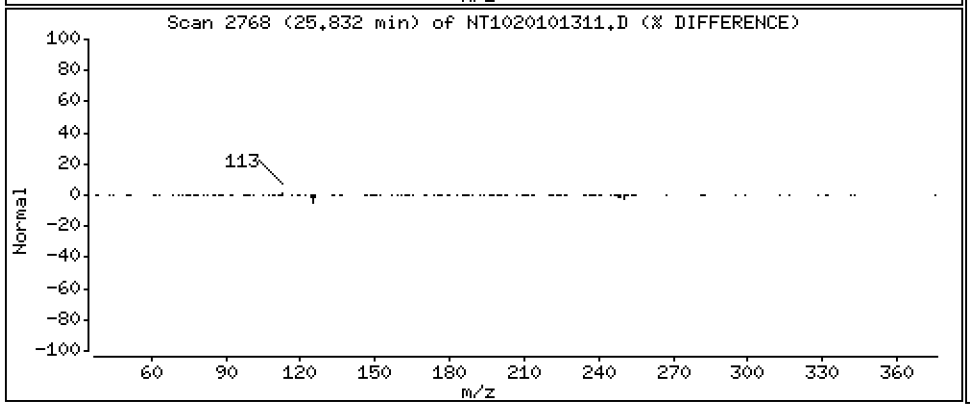
Column phase: ZB-5msi Column diameter: 0.25

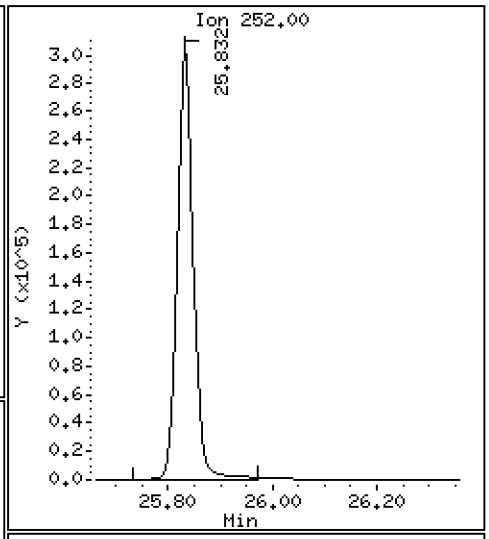
99 Perylene Concentration: 6.282 ug/mL

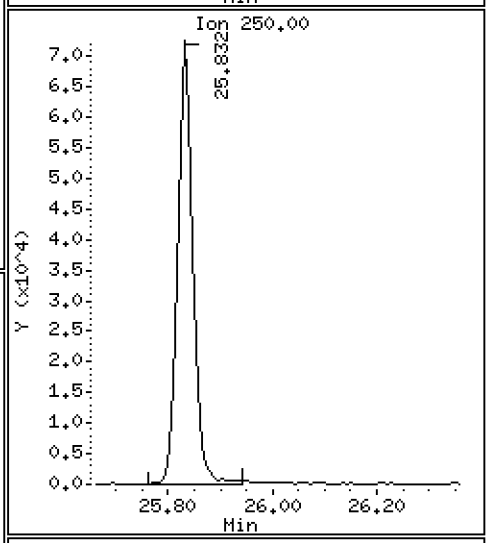


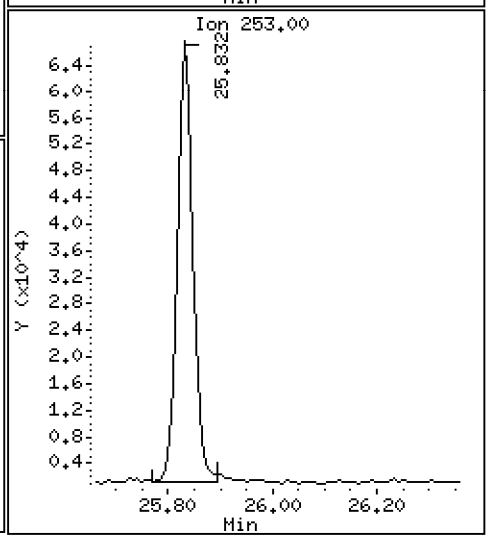












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

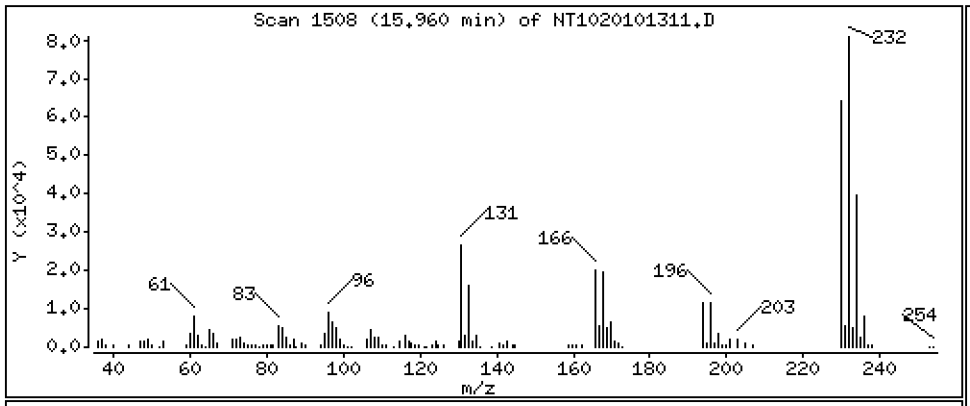
Operator: VTS

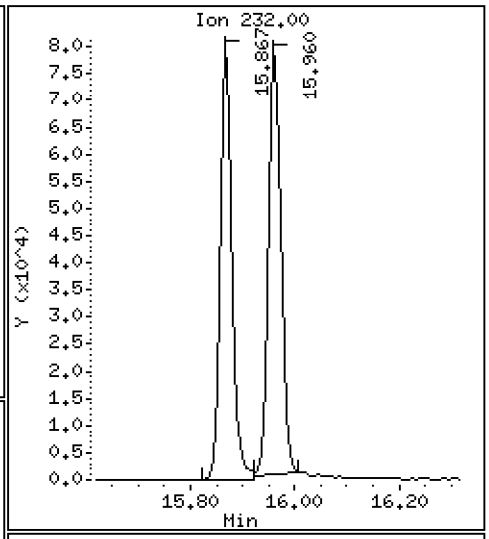
Column phase: ZB-5msi

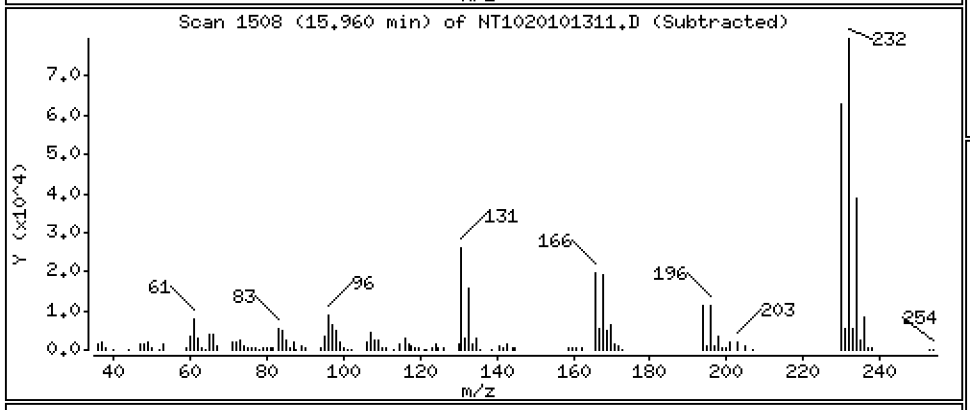
Column diameter: 0.25

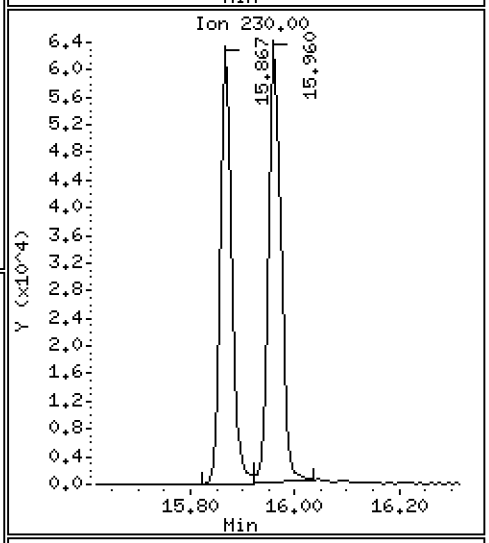
120 2,3,4,6-Tetrachlorophenol

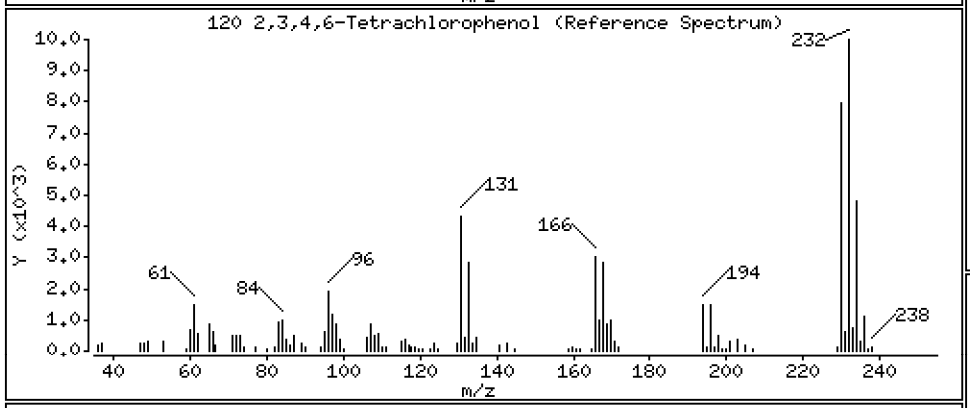
Concentration: 3.956 ug/mL

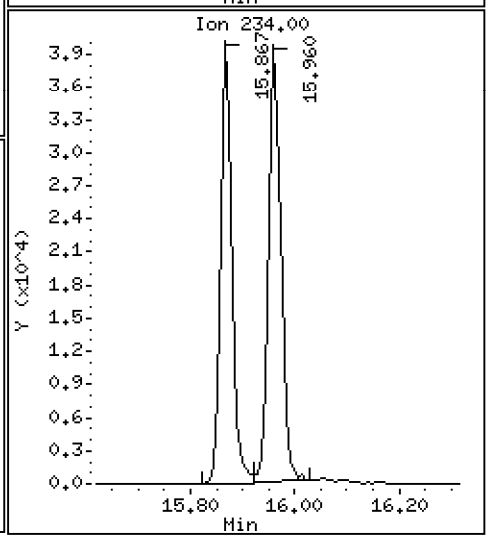


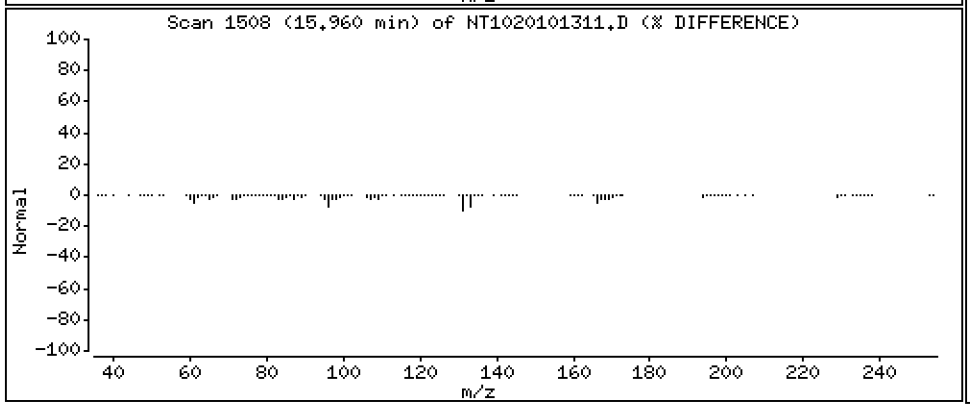












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D
Lab Smp Id: SIJ0179-SCV1
Inj Date : 13-OCT-2020 15:40
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0179-SCV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Meth Date : 14-Oct-2020 15:43 nt10.i Quant Type: ISTD
Cal Date : 13-OCT-2020 16:56 Cal File: NT1020101313.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1	2-Fluorophenol	112	Compound Not Detected.					
$ 2	Phenol-d5	99	Compound Not Detected.					
3	Phenol	94	8.537	8.536	(0.932)	239723	5.12693	5.127
$ 5	2-Chlorophenol-d4	132	Compound Not Detected.					
4	Bis(2-Chloroethyl)ether	93	8.706	8.706	(0.951)	189152	4.91990	4.920
6	2-Chlorophenol	128	8.822	8.822	(0.964)	225134	4.92140	4.921
7	1,3-Dichlorobenzene	146	9.093	9.093	(0.993)	243824	4.57909	4.579
* 8	1,4-Dichlorobenzene-d4	152	9.155	9.163	(1.000)	124685	4.00000	
9	1,4-Dichlorobenzene	146	9.186	9.186	(1.003)	204109	4.55897	4.559
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
12	1,2-Dichlorobenzene	146	9.543	9.543	(1.042)	205007	4.33474	4.335
11	Benzyl alcohol	108	9.427	9.427	(1.030)	108796	4.42357	4.424
14	2,2'-oxybis(1-Chloropropane)	121	9.730	9.722	(1.063)	63494	4.44035	4.440
13	2-Methylphenol	108	9.644	9.644	(1.053)	144731	4.57228	4.572
17	Hexachloroethane	117	10.126	10.133	(1.106)	78366	4.53801	4.538
16	N-Nitroso-di-n-propylamine	70	9.986	9.986	(1.091)	94242	4.70961	4.710
15	4-Methylphenol	108	9.924	9.916	(1.084)	159440	4.72735	4.727
$ 18	Nitrobenzene-d5	82	Compound Not Detected.					
19	Nitrobenzene	77	10.289	10.288	(0.884)	147879	4.49992	4.500
20	Isophorone	82	10.731	10.731	(0.922)	323475	4.75917	4.759
21	2-Nitrophenol	139	10.919	10.918	(0.938)	129462	4.96726	4.967
22	2,4-Dimethylphenol	107	10.961	10.961	(0.942)	151862	4.63642	4.636
23	Bis(2-Chloroethoxy)methane	93	11.156	11.156	(0.959)	176346	4.75670	4.757
24	Benzoic acid	105	11.114	11.148	(0.955)	154334	7.18267	7.183
25	2,4-Dichlorophenol	162	11.360	11.360	(0.976)	208129	5.39255	5.393
26	1,2,4-Trichlorobenzene	180	11.542	11.550	(0.992)	189474	4.48174	4.482
* 27	Naphthalene-d8	136	11.635	11.635	(1.000)	408464	4.00000	
28	Naphthalene	128	11.674	11.673	(1.003)	487994	4.72804	4.728
29	4-Chloroaniline	127	11.812	11.812	(1.015)	226573	4.94535	4.945
30	Hexachlorobutadiene	225	12.029	12.029	(1.034)	118961	4.73357	4.734
31	4-Chloro-3-methylphenol	107	12.756	12.756	(1.096)	162416	5.03170	5.032
32	2-Methylnaphthalene	142	13.066	13.066	(1.123)	465845	4.90936	4.909
33	Hexachlorocyclopentadiene	237	13.523	13.522	(0.888)	185549	5.61053	5.611

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.677	13.685	(0.898)	154382	5.17562	5.176
	35 2,4,5-Trichlorophenol	196	13.755	13.754	(0.903)	167288	5.06216	5.062
$	36 2-Fluorobiphenyl	172	Compound Not Detected.					
	37 2-Chloronaphthalene	162	14.049	14.056	(0.922)	454319	4.78328	4.783
	38 2-Nitroaniline	65	14.320	14.319	(0.940)	85577	5.32550	5.326
	39 Dimethylphthalate	163	14.745	14.745	(0.968)	437419	4.79646	4.796
	40 Acenaphthylene	152	14.923	14.923	(0.980)	614128	4.09626	4.096
	41 2,6-Dinitrotoluene	165	14.893	14.892	(0.978)	102487	4.87251	4.873
*	42 Acenaphthene-d10	164	15.233	15.232	(1.000)	233555	4.00000	
	43 3-Nitroaniline	138	15.171	15.171	(0.996)	118602	5.16678	5.167
	44 Acenaphthene	153	15.302	15.302	(1.005)	342691	4.52257	4.523
	45 2,4-Dinitrophenol	184	15.380	15.387	(1.010)	39380	2.53932	2.539
	46 Dibenzofuran	168	15.627	15.627	(1.026)	577446	4.86591	4.866
	47 4-Nitrophenol	109	15.488	15.488	(1.017)	31543	4.45129	4.451
	48 2,4-Dinitrotoluene	165	15.689	15.696	(1.030)	136471	4.91219	4.912
	50 Diethylphthalate	149	16.191	16.199	(1.063)	380738	4.69346	4.693
	49 Fluorene	166	16.338	16.338	(1.073)	427552	4.39016	4.390
	51 4-Chlorophenyl-phenylether	204	16.323	16.330	(1.072)	234870	4.64887	4.649
	52 4-Nitroaniline	138	16.439	16.446	(1.079)	140766	4.93382	4.934
	53 4,6-Dinitro-2-methylphenol	198	16.524	16.531	(0.905)	104334	5.02340	5.023
	54 N-Nitrosodiphenylamine	169	16.578	16.577	(0.908)	367194	6.35390	6.354
$	55 2,4,6-Tribromophenol	330	16.709	16.870	(1.097)	352	0.01786	0.01786
	56 4-Bromophenyl-phenylether	248	17.326	17.325	(0.949)	220844	4.86385	4.864
	57 Hexachlorobenzene	284	17.642	17.642	(0.966)	205230	4.50463	4.505
	58 Pentachlorophenol	266	17.999	17.998	(0.986)	84714	4.28883	4.289
*	59 Phenanthrene-d10	188	18.262	18.261	(1.000)	450104	4.00000	
	60 Phenanthrene	178	18.316	18.315	(1.003)	584403	4.92739	4.927
	61 Anthracene	178	18.409	18.408	(1.008)	616939	4.79375	4.794
	62 Carbazole	167	18.741	18.741	(1.026)	649242	5.03614	5.036
	63 Di-n-butylphthalate	149	19.531	19.530	(1.069)	760237	4.79975	4.800
	64 Fluoranthene	202	20.691	20.691	(0.888)	837101	4.69282	4.693
	65 Pyrene	202	21.117	21.116	(0.906)	885552	4.80208	4.802
$	66 Terphenyl-d14	244	Compound Not Detected.					
	67 Butylbenzylphthalate	149	22.324	22.324	(0.958)	281238	4.87635	4.876
	68 Benzo(a)anthracene	228	23.277	23.276	(0.999)	723014	4.68297	4.683
*	69 Chrysene-d12	240	23.308	23.307	(1.000)	387287	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.238	23.238	(0.997)	619922	10.2443	10.24
	71 Chrysene	228	23.346	23.346	(1.002)	570134	4.83819	4.838
	72 bis(2-Ethylhexyl)phthalate	149	23.346	23.346	(0.959)	322075	4.94259	4.943
*	134 Di-n-octylphthalate-d4	153	24.337	24.337	(1.000)	551837	4.00000	
	73 Di-n-octylphthalate	149	24.345	24.345	(1.000)	694322	4.79490	4.795
	74 Benzo(b)fluoranthene	252	25.173	25.173	(0.970)	687971	4.75875	4.759
	75 Benzo(k)fluoranthene	252	25.212	25.220	(0.972)	752505	4.98005	4.980
	76 Benzo(a)pyrene	252	25.832	25.831	(0.996)	651179	4.94388	4.944
*	77 Perylene-d12	264	25.948	25.947	(1.000)	387514	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	28.637	28.637	(1.104)	589138	4.70921	4.709
	79 Dibenzo(a,h)anthracene	278	28.645	28.660	(1.104)	466048	4.68129	4.681
	80 Benzo(g,h,i)perylene	276	29.429	29.437	(1.134)	506718	4.69735	4.697
	90 N-Nitrosodimethylamine	74	4.759	4.766	(0.520)	116251	5.86998	5.870
	91 Aniline	93	8.621	8.621	(0.942)	267317	7.42417	7.424
	93 Benzidine	184	20.939	20.938	(0.898)	619929	6.54451	6.545
	103 Pyridine	79	4.782	4.782	(0.522)	186044	5.87190	5.872
	105 1-methylnaphthalene	142	13.283	13.290	(1.142)	453804	5.10328	5.103
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.647	16.654	(1.093)	321162	4.40072	4.401

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.212	25.220	(0.972)	1368947	9.60349	9.603
99 Perylene	252	25.832	26.009	(0.996)	651179	6.28224	6.282
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	15.959	15.967	(1.048)	126204	3.95586	3.956

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020101311.D
Lab Smp Id: SIJ0179-SCV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Misc Info:

Calibration Date: 13-OCT-2020
Calibration Time: 17:35
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	109762	54881	219524	124685	13.60
27 Naphthalene-d8	353207	176604	706414	408464	15.64
42 Acenaphthene-d10	202286	101143	404572	233555	15.46
59 Phenanthrene-d10	390957	195479	781914	450104	15.13
69 Chrysene-d12	336840	168420	673680	387287	14.98
134 Di-n-octylphthala	476401	238201	952802	551837	15.83
77 Perylene-d12	353661	176831	707322	387514	9.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	-0.08
27 Naphthalene-d8	11.64	11.14	12.14	11.64	0.00
42 Acenaphthene-d10	15.23	14.73	15.73	15.23	0.00
59 Phenanthrene-d10	18.26	17.76	18.76	18.26	0.00
69 Chrysene-d12	23.31	22.81	23.81	23.31	0.00
134 Di-n-octylphthala	24.34	23.84	24.84	24.34	0.00
77 Perylene-d12	25.95	25.45	26.45	25.95	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020101311.D

Lab ID: SIJ0179-SCV1
nt10.i, ABN.m, 13-OCT-2020 15:40

RT	CO-ELUTION COMPOUNDS
25.832	Perylene and Benzo(a)pyrene

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.996	1.002	-0.0069	Perylene
1.097	1.108	-0.0106	2,4,6-Tribromophenol

RRT check based on Ccal File: NT1020101314.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Analytical Resources, Incorporated
Analytical Chemists and Consultants

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, Inc.
SDG: 20I0181
Client: Anchor QEA, LLC
Project: Lower Duwamish AOC4
Calibration: DI00063
Laboratory ID: SII0276-SCV1
Sequence: SII0276
Standard ID: I006450

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Phenol	5.0000	5.1	1.0	20.00
4-Methylphenol	5.0000	4.8	-3.5	20.00
Naphthalene	5.0000	4.9	-2.9	20.00
2-Methylnaphthalene	5.0000	5.1	1.7	20.00
Acenaphthylene	5.0000	4.6	-8.0	20.00
Dimethylphthalate	5.0000	4.7	-6.3	20.00
Acenaphthene	5.0000	4.5	-9.7	20.00
Dibenzofuran	5.0000	4.9	-1.9	20.00
Fluorene	5.0000	4.5	-10.2	20.00
Phenanthrene	5.0000	4.9	-2.1	20.00
Anthracene	5.0000	4.7	-5.9	20.00
Fluoranthene	5.0000	4.5	-9.4	20.00
Pyrene	5.0000	4.7	-5.7	20.00
Butylbenzylphthalate	5.0000	4.8	-3.8	20.00
Benzo(a)anthracene	5.0000	4.7	-5.5	20.00
Chrysene	5.0000	4.8	-4.2	20.00
bis(2-Ethylhexyl)phthalate	5.0000	4.7	-5.4	20.00
Benzofluoranthenes, Total	10.000	10.1	0.8	20.00
Benzo(a)pyrene	5.0000	5.2	4.9	20.00
Indeno(1,2,3-cd)pyrene	5.0000	5.1	1.0	20.00
Dibenzo(a,h)anthracene	5.0000	5.0	-0.1	20.00
Benzo(g,h,i)perylene	5.0000	4.8	-3.0	20.00

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Page 1

Date : 19-SEP-2020 18:28

Client ID:

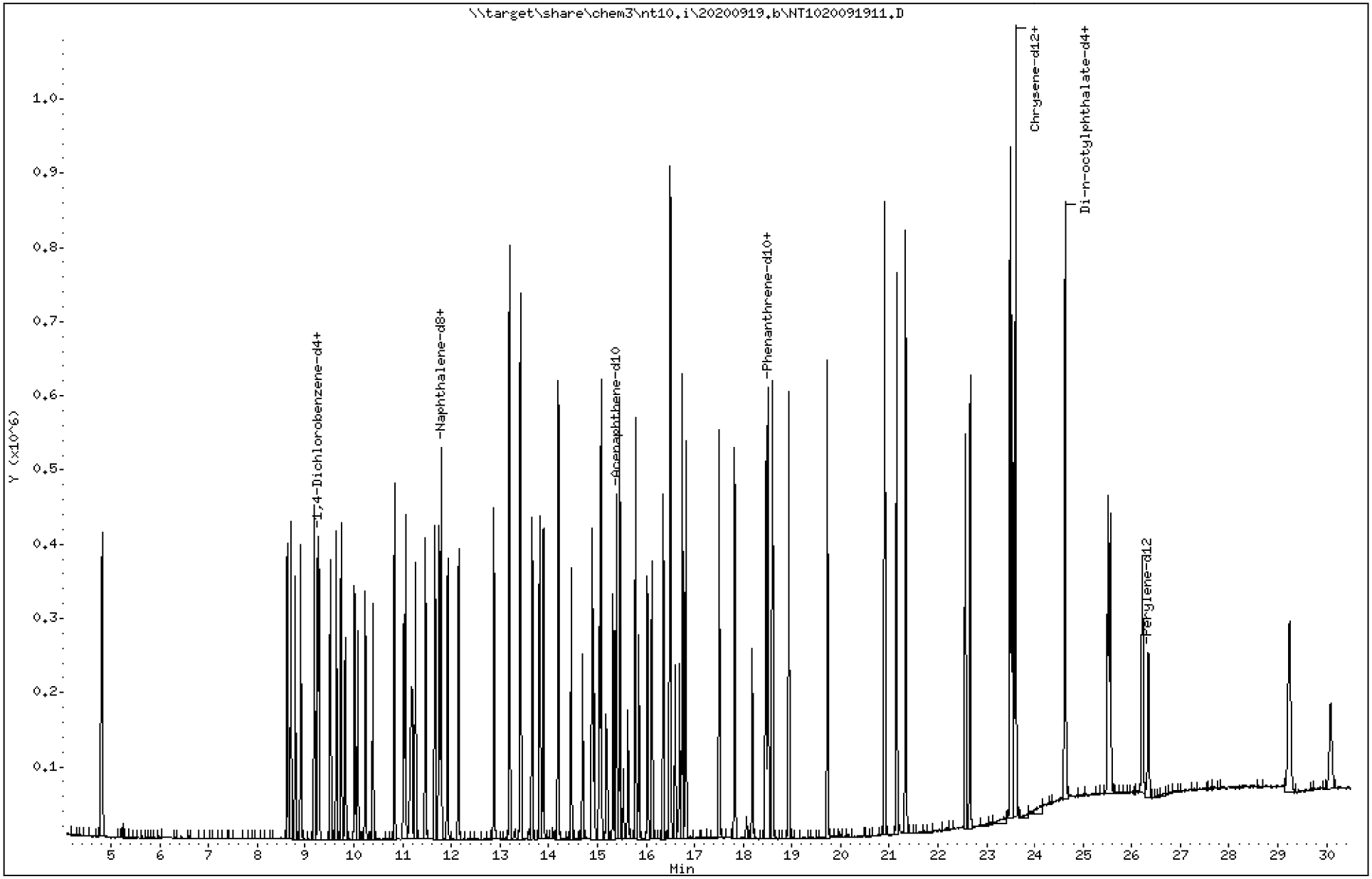
Instrument: nt10.i

Sample Info: SII0276-SCV1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

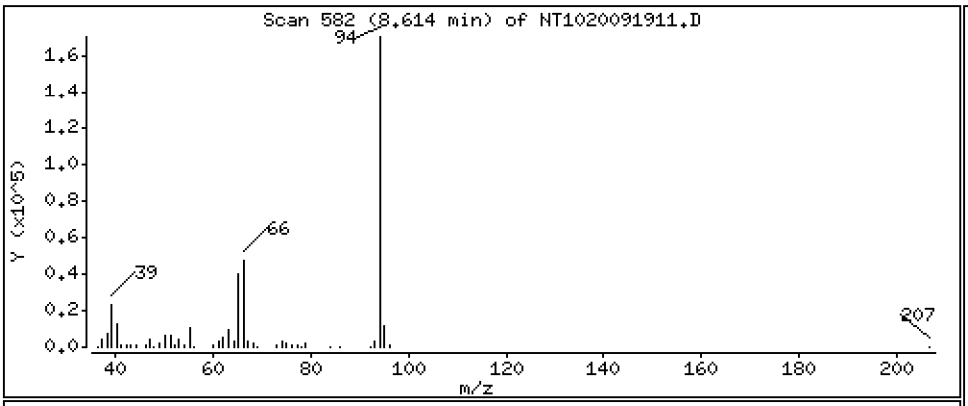
Operator: VTS

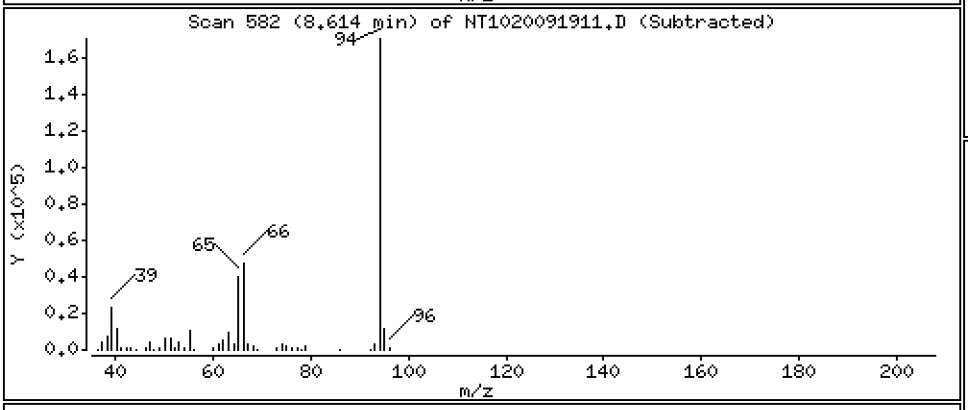
Column phase: ZB-5msi

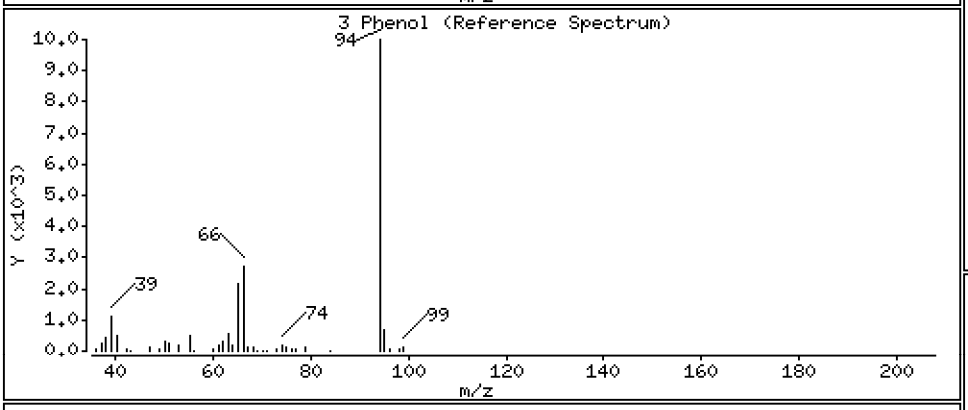
Column diameter: 0.25

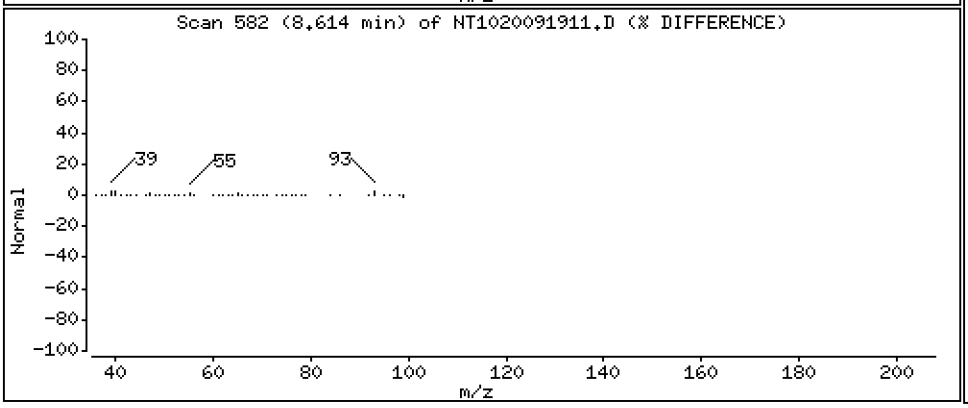
3 Phenol

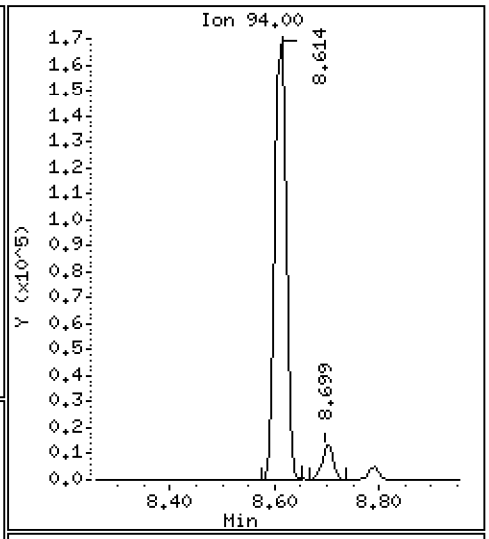
Concentration: 5.050 ug/mL

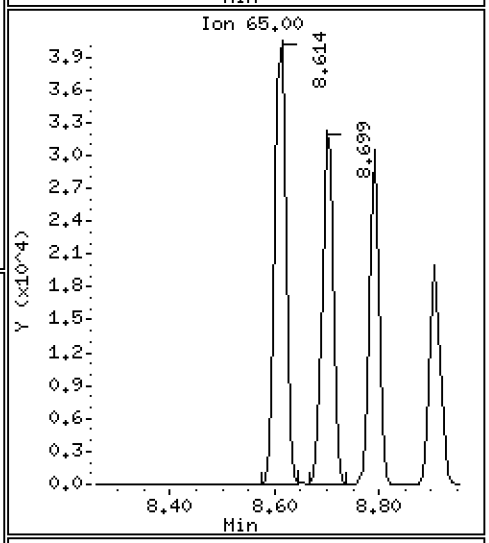


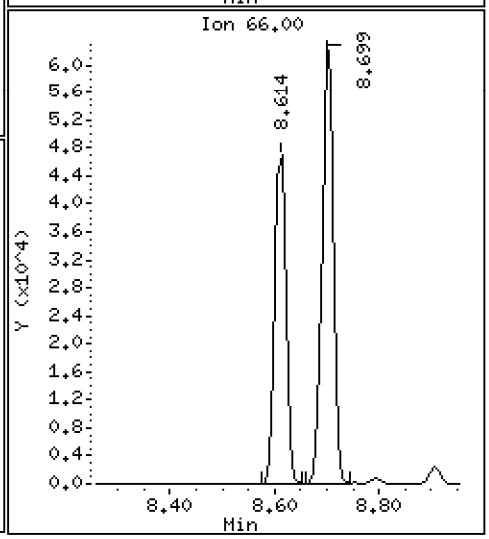












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

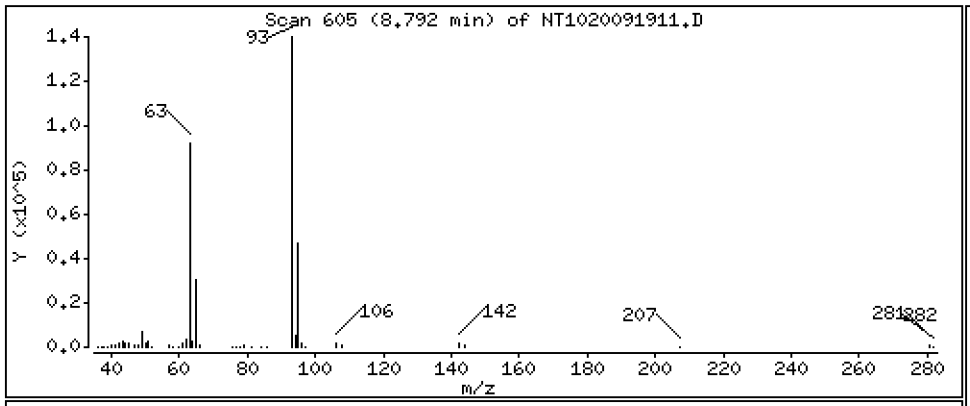
Operator: VTS

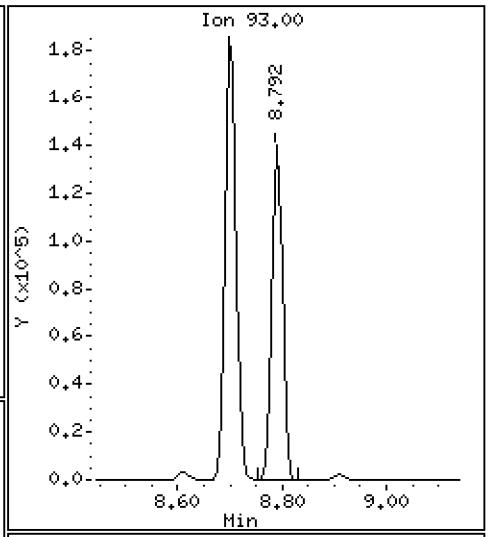
Column phase: ZB-5msi

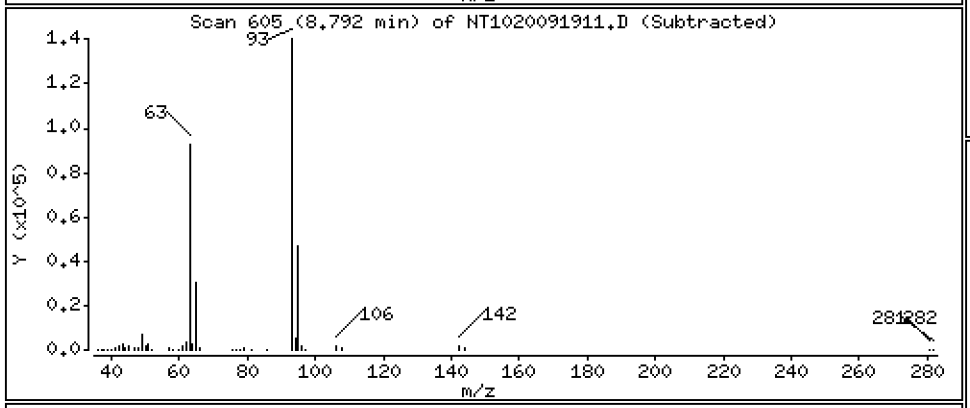
Column diameter: 0.25

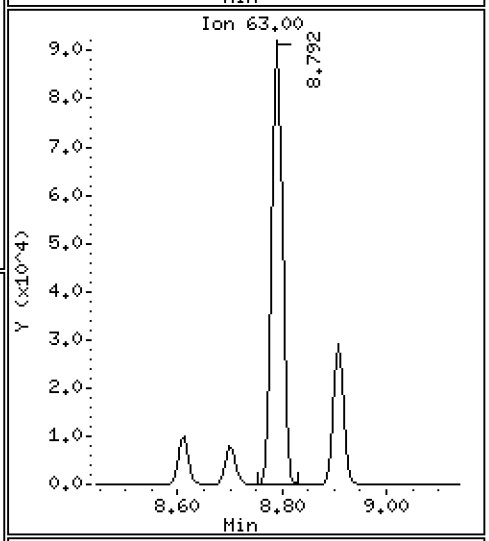
4 Bis(2-Chloroethyl)ether

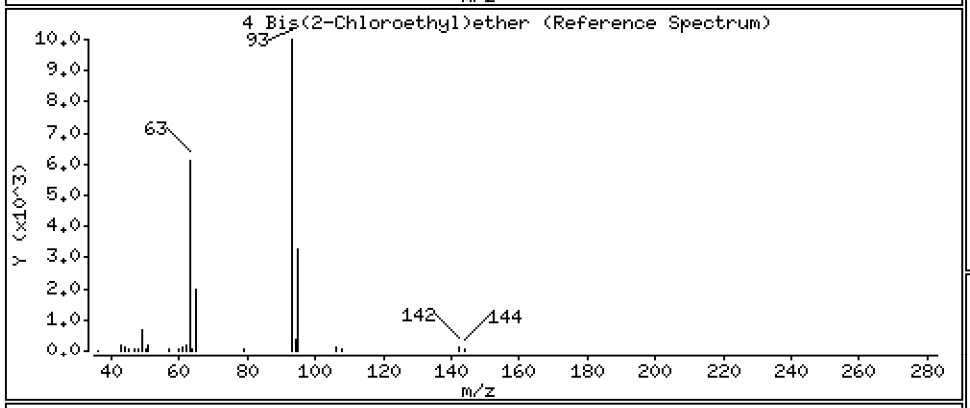
Concentration: 4.977 ug/mL

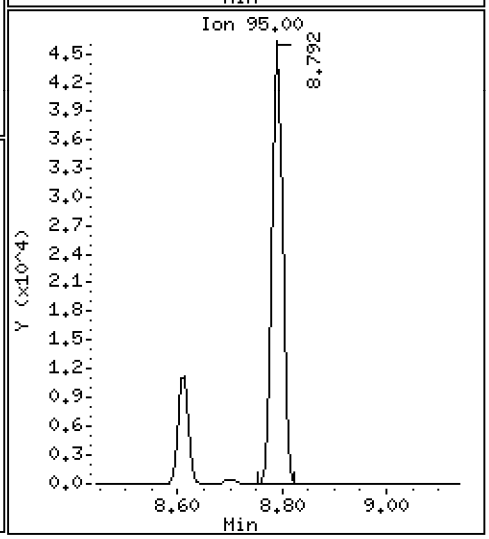


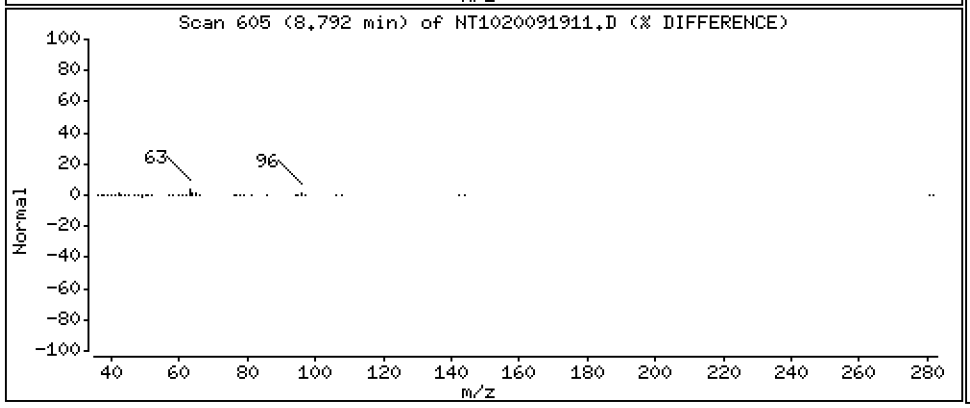












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

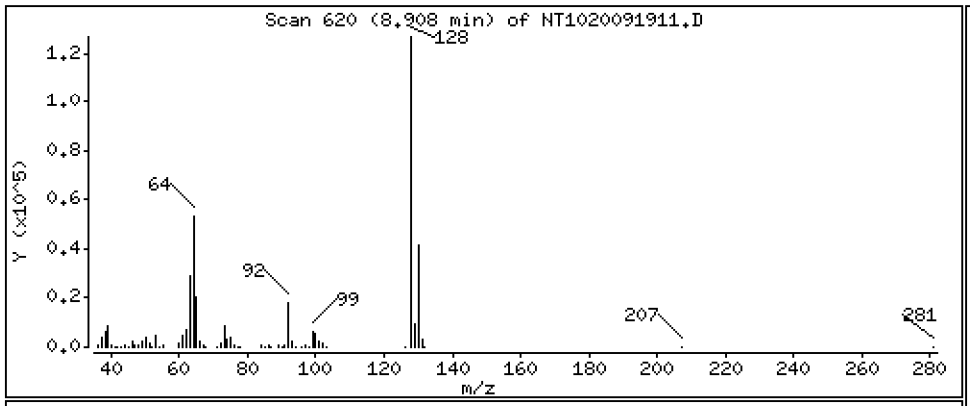
Operator: VTS

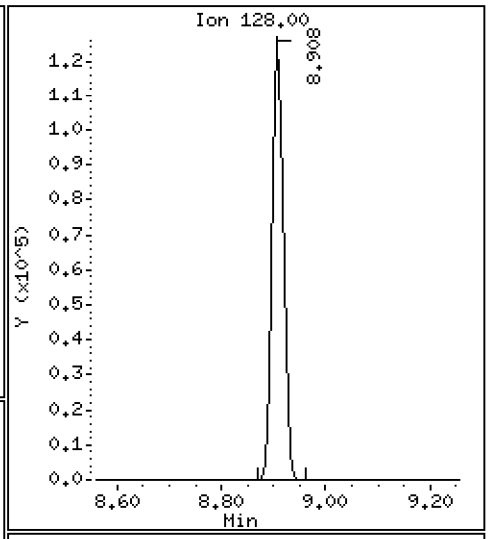
Column phase: ZB-5msi

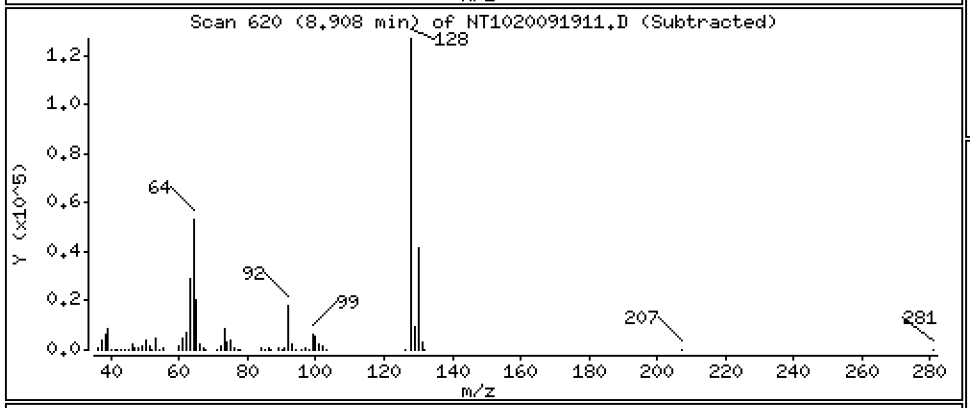
Column diameter: 0.25

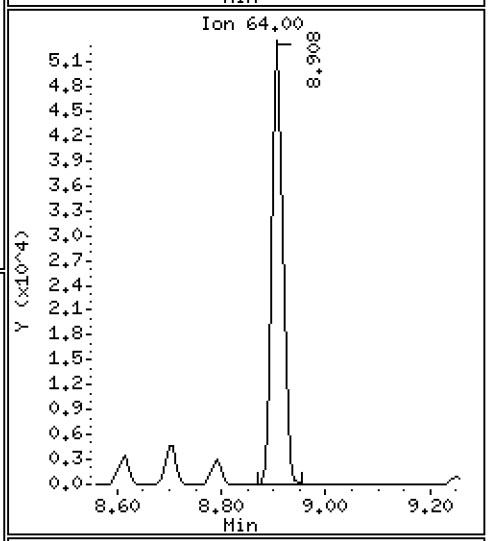
6 2-Chlorophenol

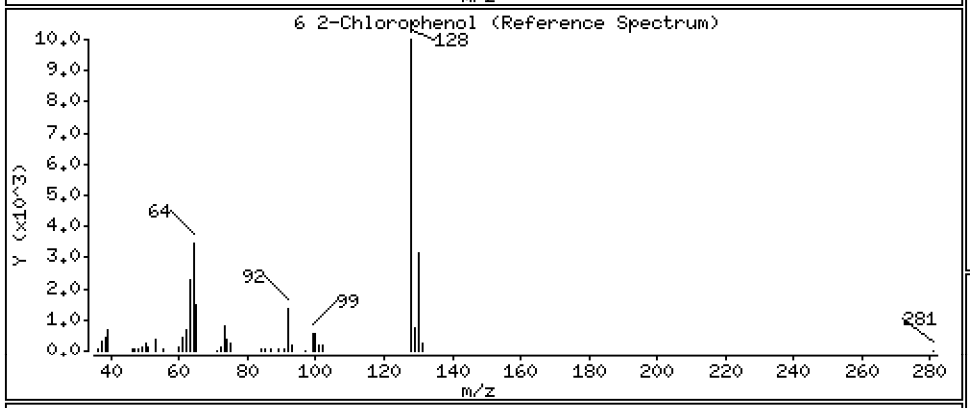
Concentration: 4.687 ug/mL

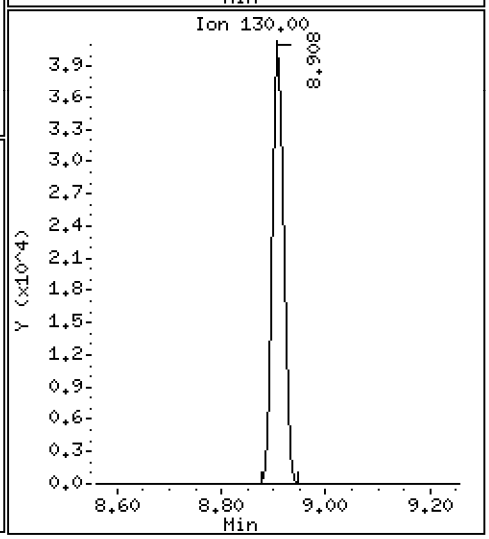


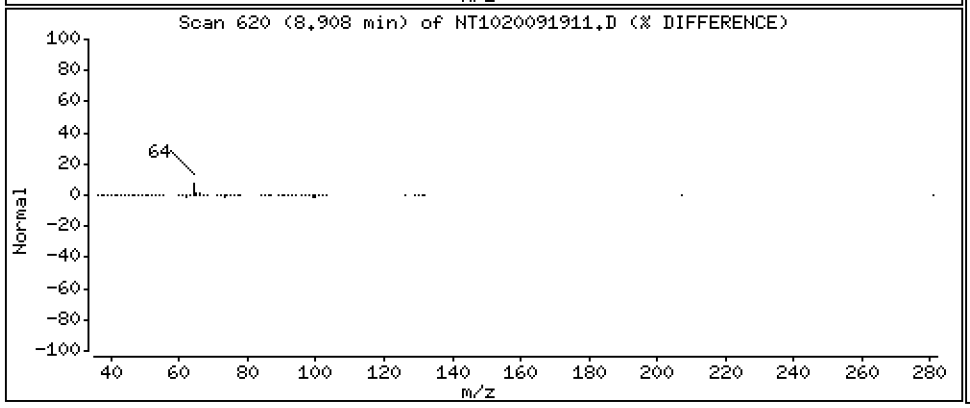












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

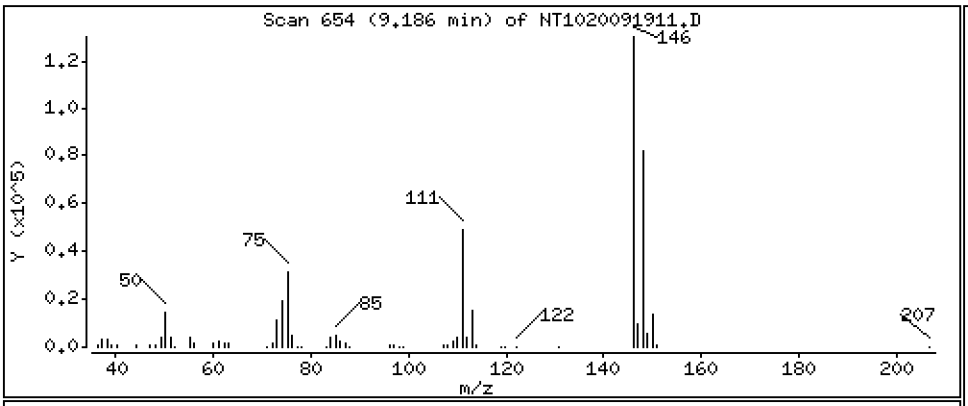
Operator: VTS

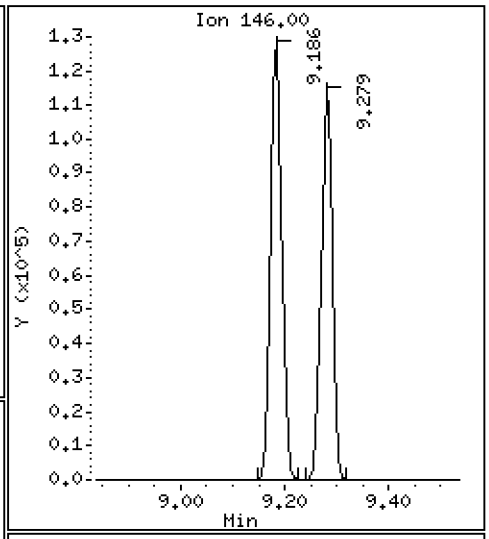
Column phase: ZB-5msi

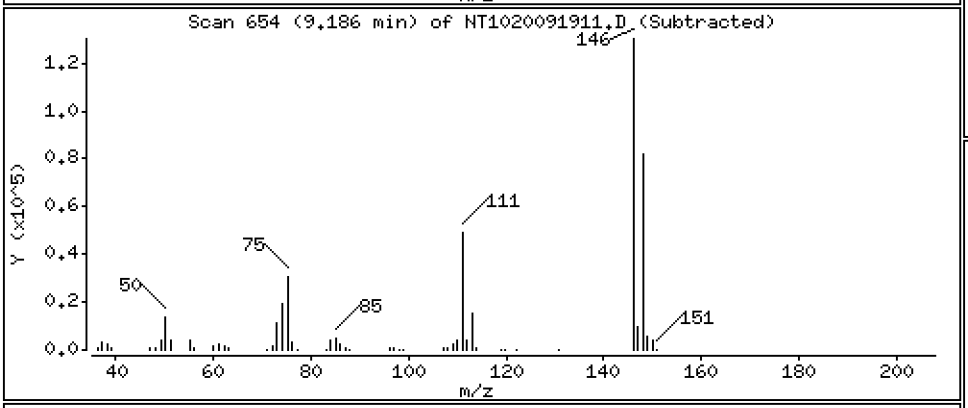
Column diameter: 0.25

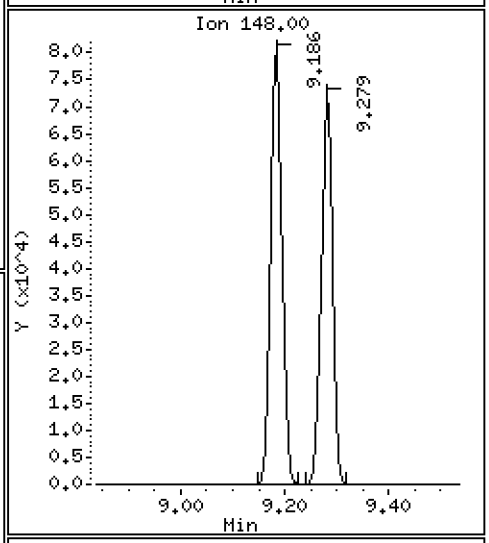
7 1,3-Dichlorobenzene

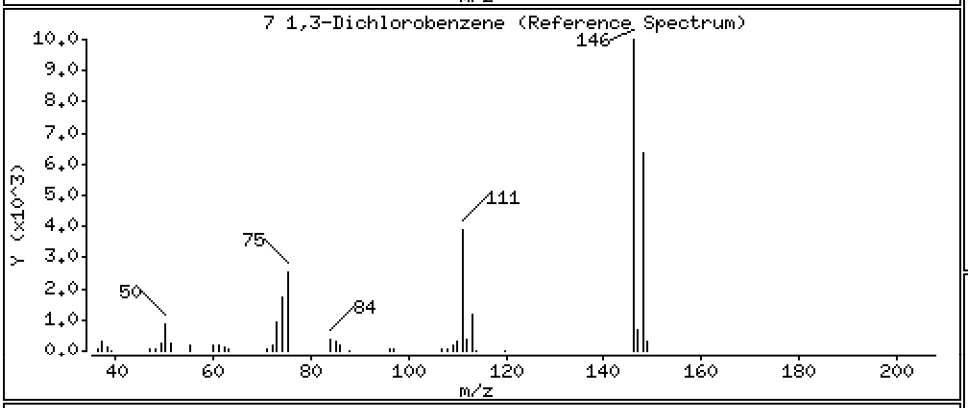
Concentration: 4.772 ug/mL

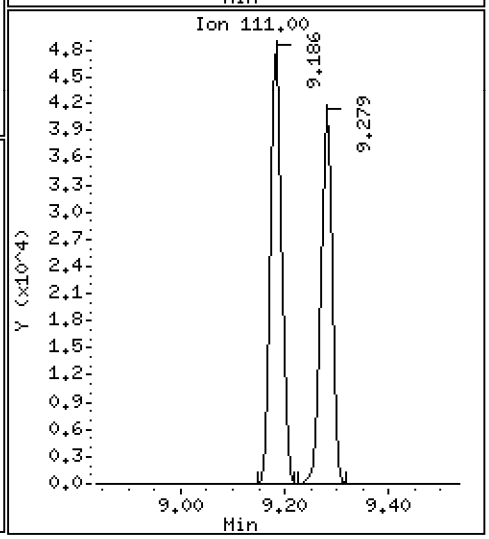


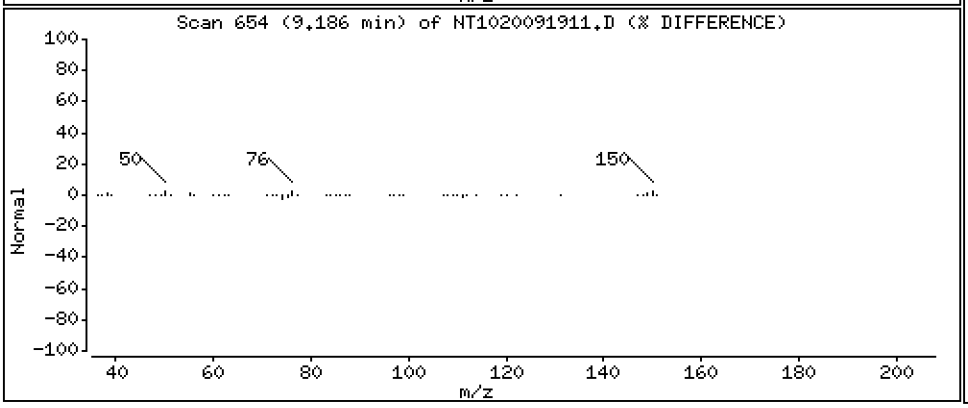












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

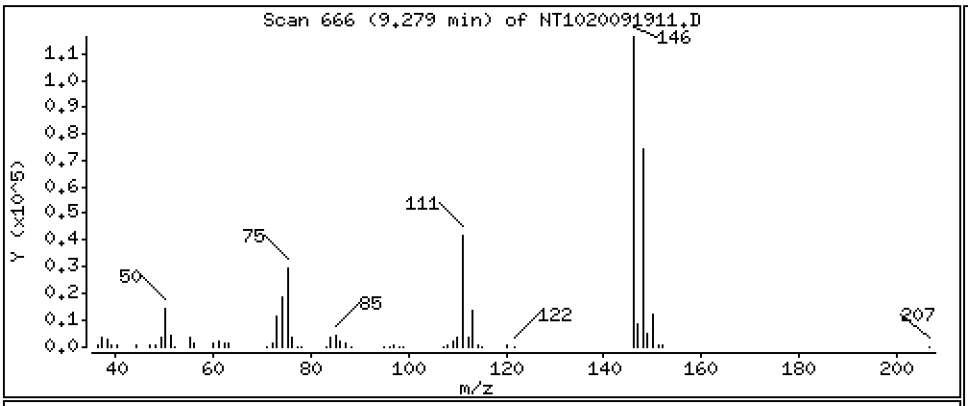
Operator: VTS

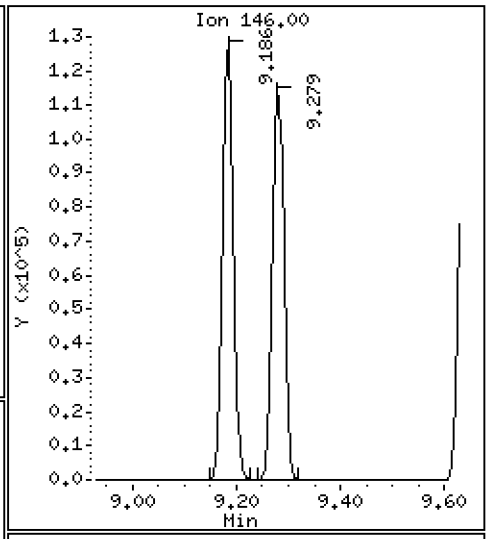
Column phase: ZB-5msi

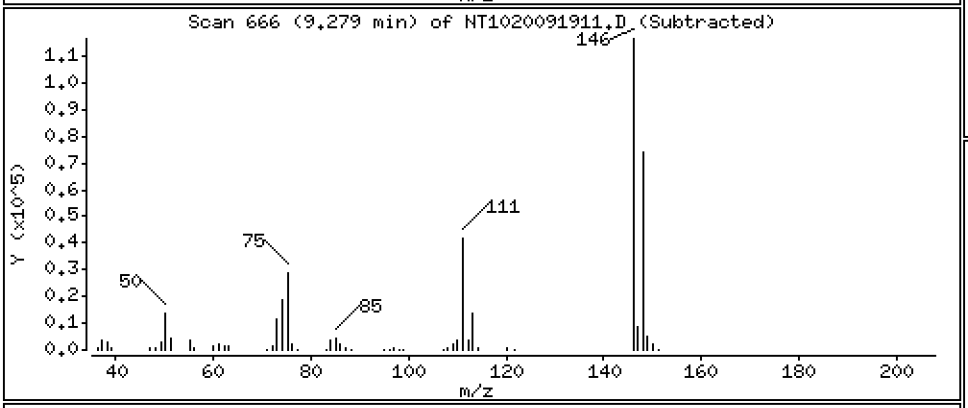
Column diameter: 0.25

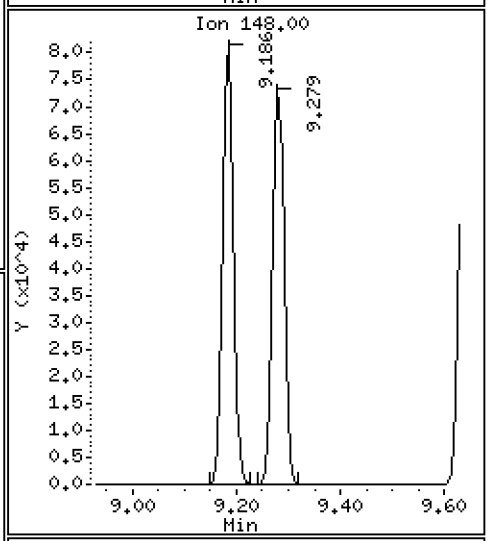
9 1,4-Dichlorobenzene

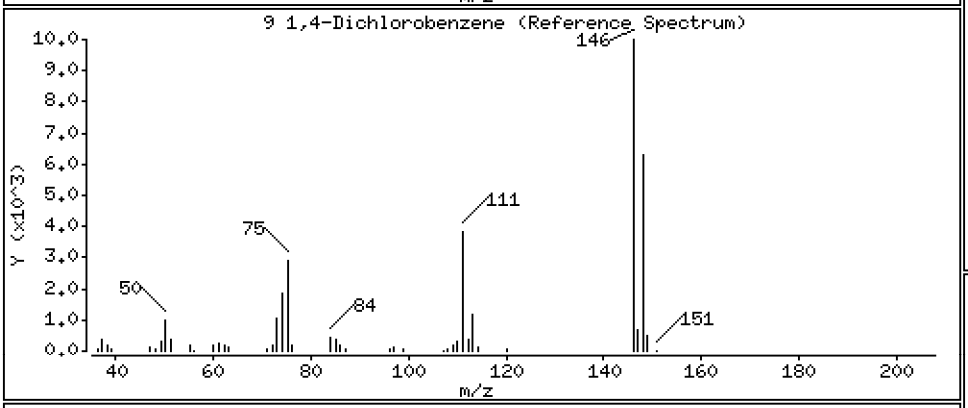
Concentration: 4.831 ug/mL

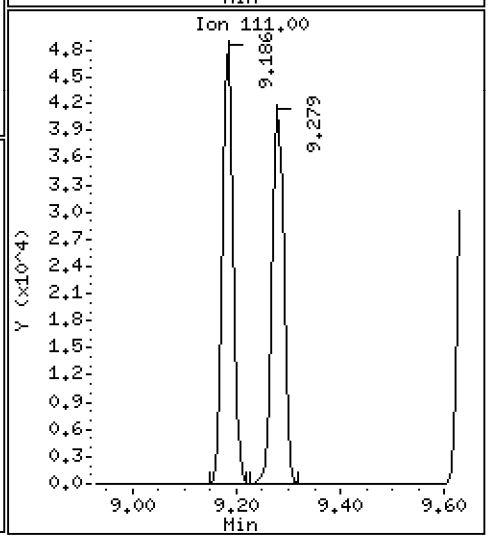


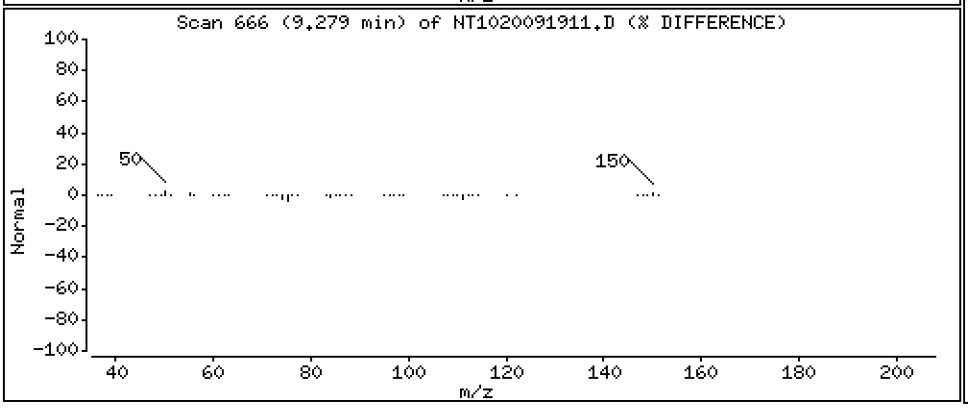












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

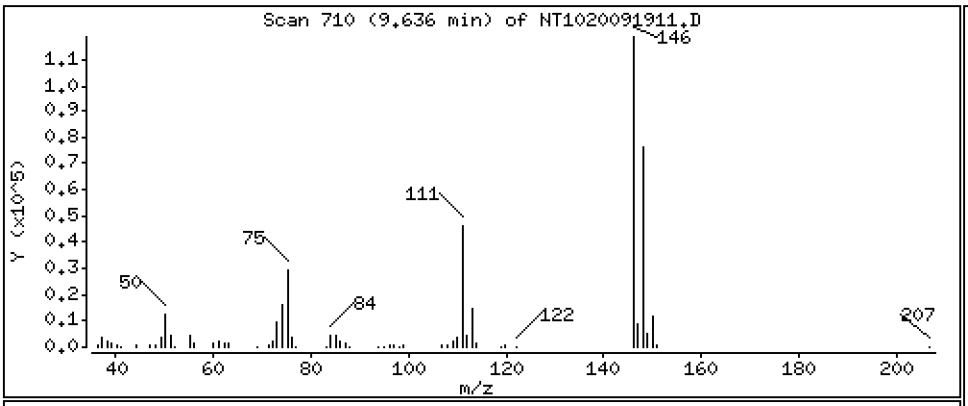
Operator: VTS

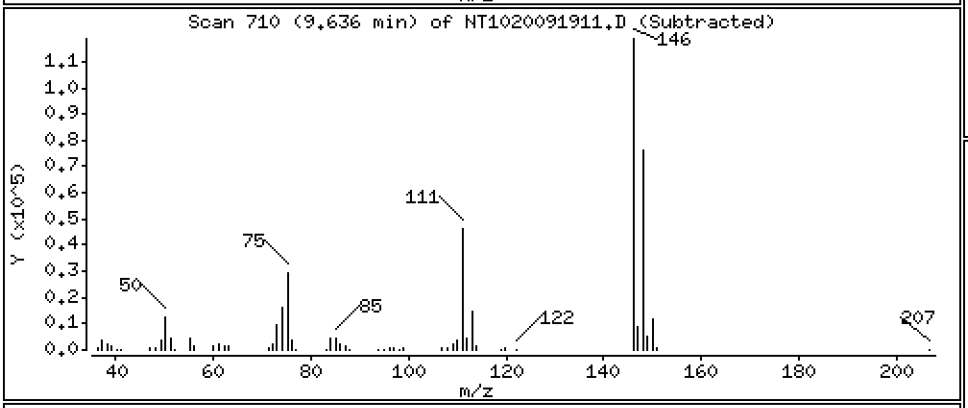
Column phase: ZB-5msi

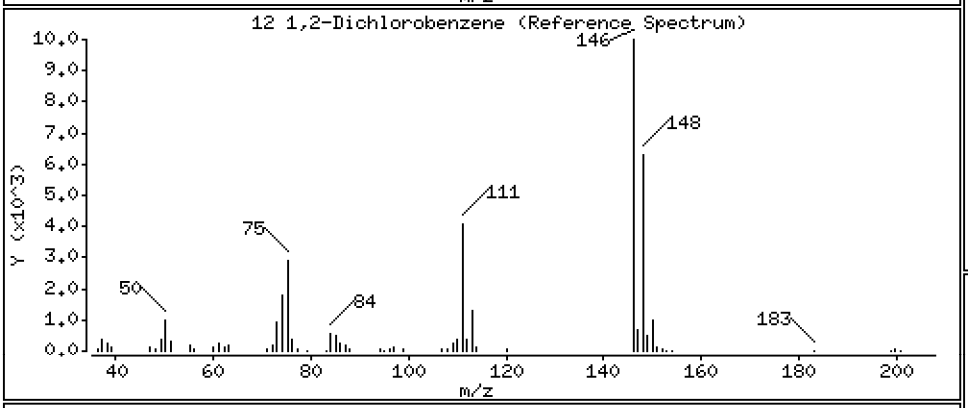
Column diameter: 0.25

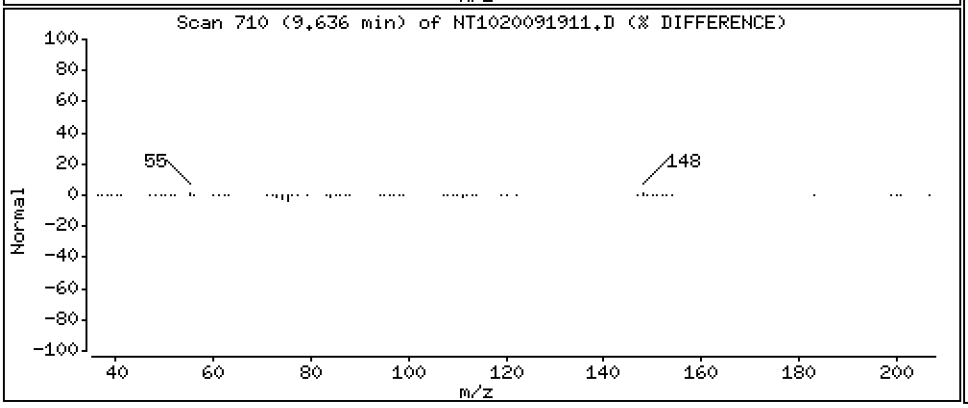
12 1,2-Dichlorobenzene

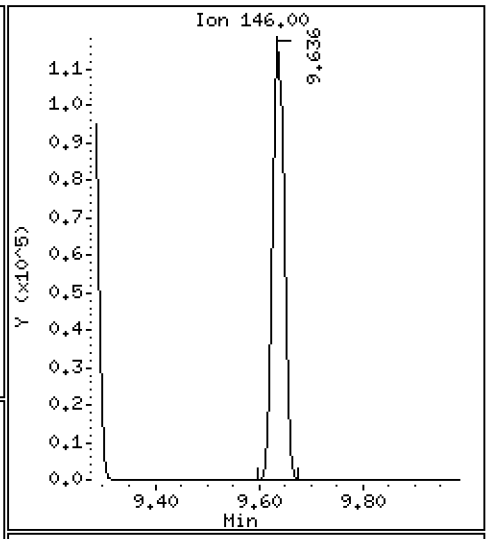
Concentration: 4.661 ug/mL

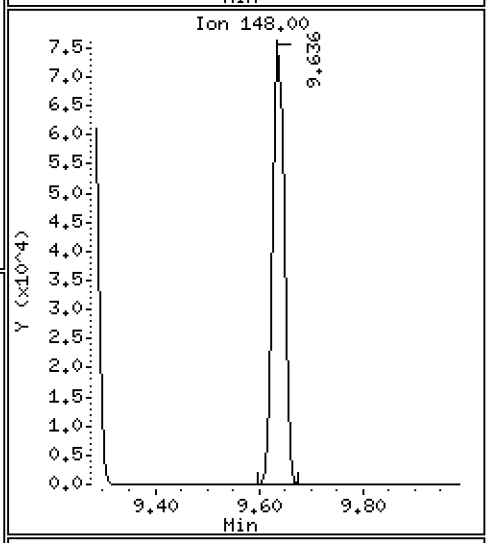


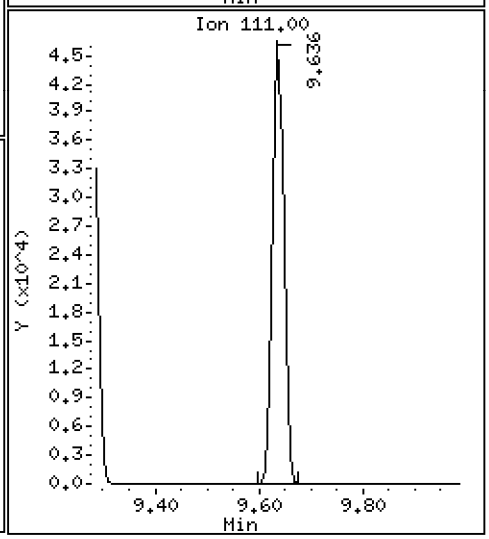












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

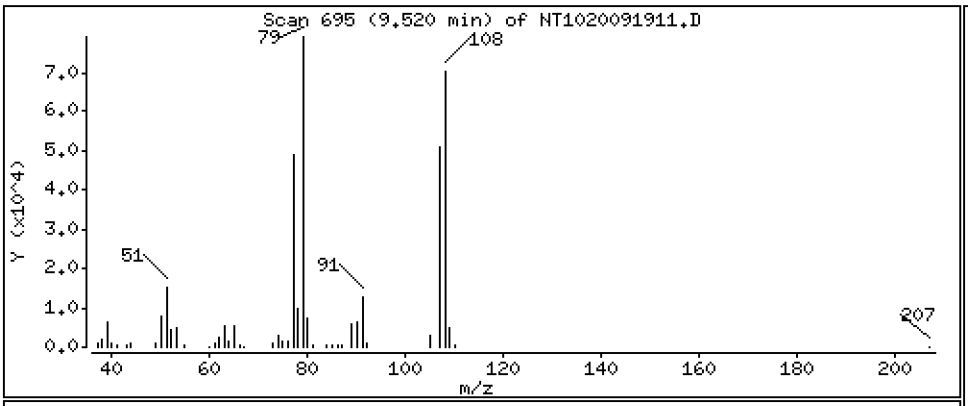
Operator: VTS

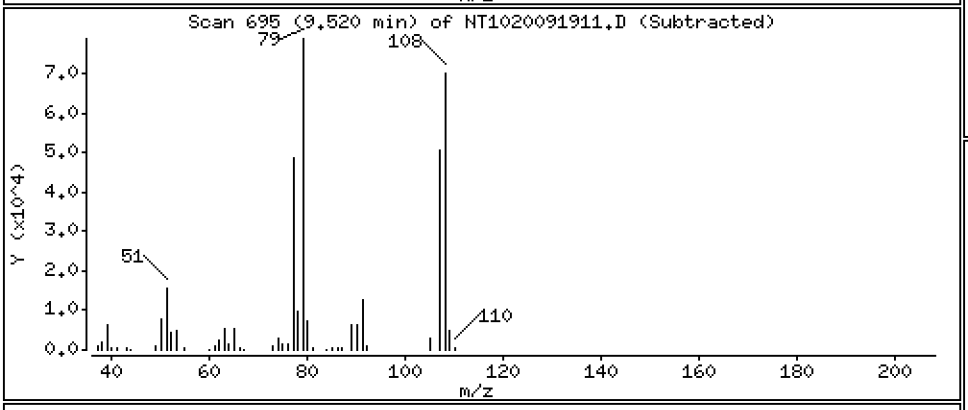
Column phase: ZB-5msi

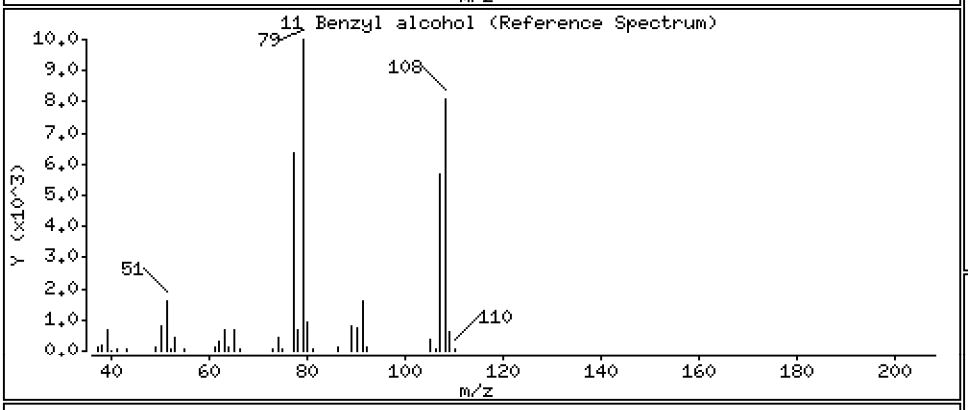
Column diameter: 0.25

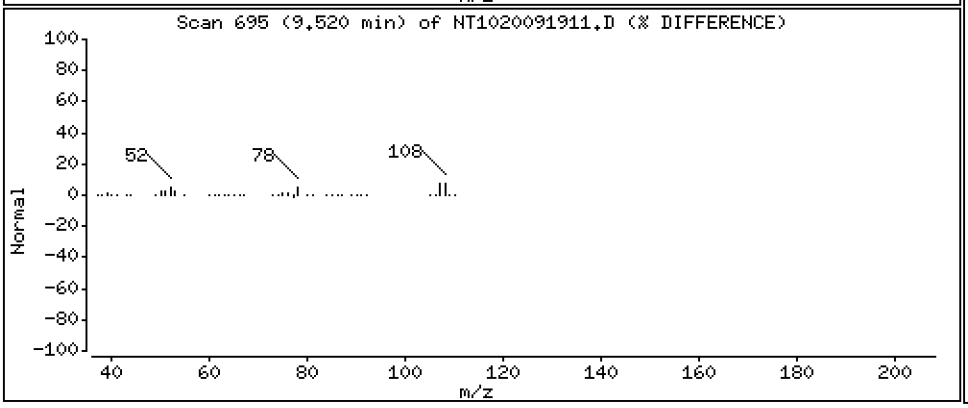
11 Benzyl alcohol

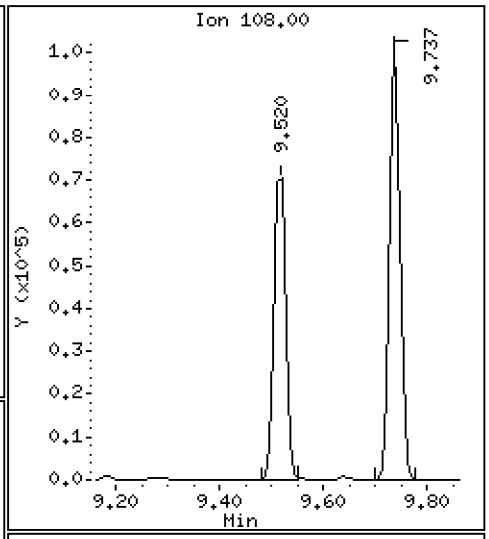
Concentration: 5.039 ug/mL

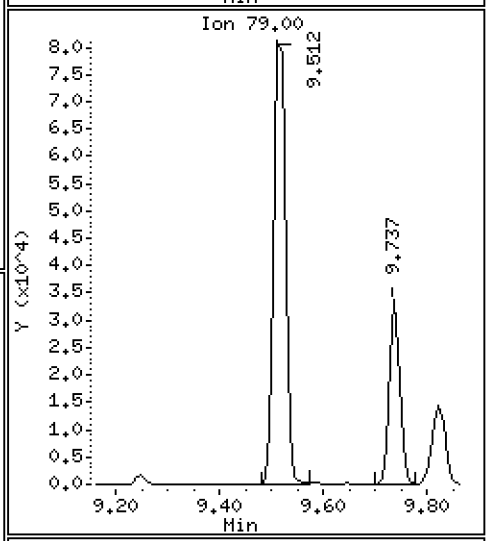


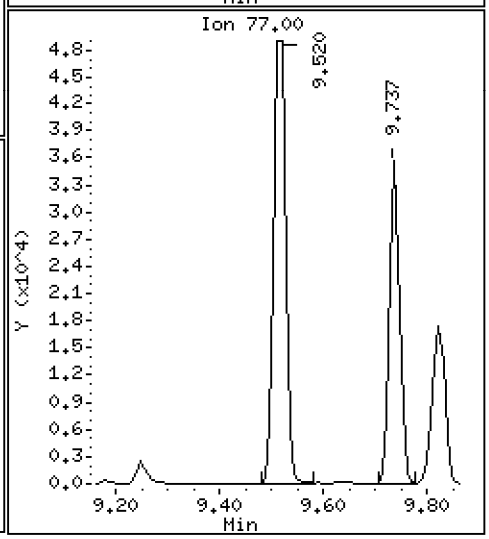












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

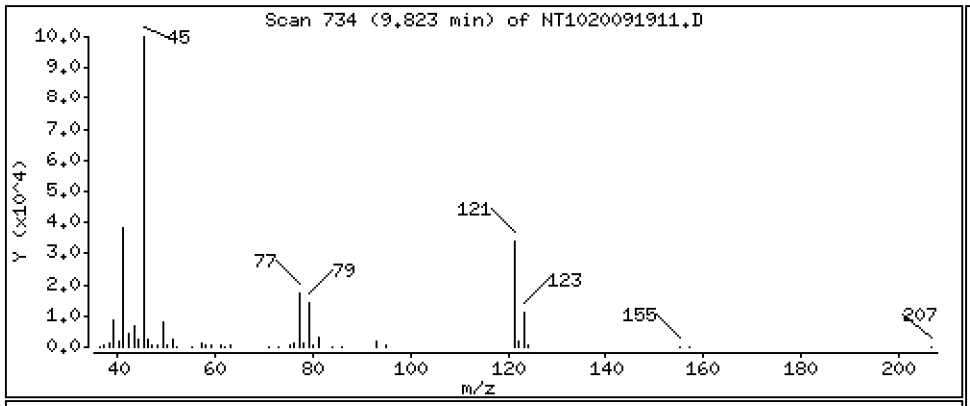
Operator: VTS

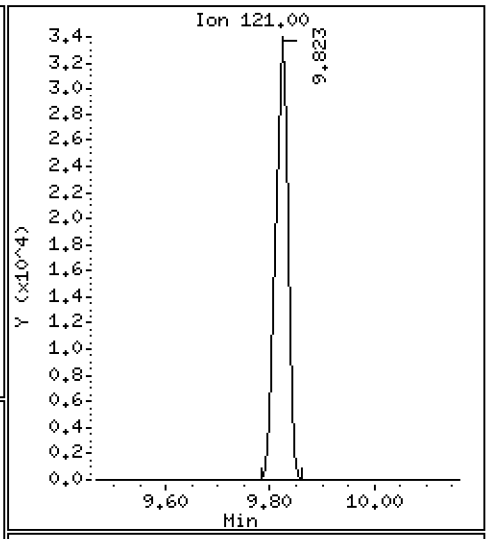
Column phase: ZB-5msi

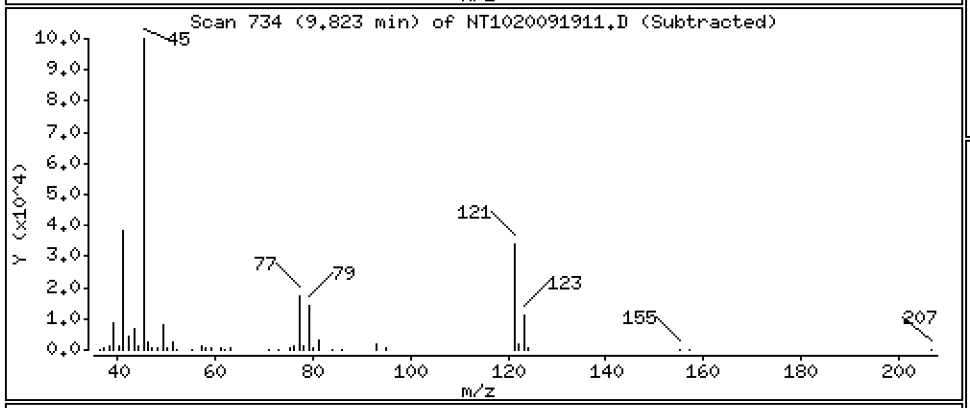
Column diameter: 0.25

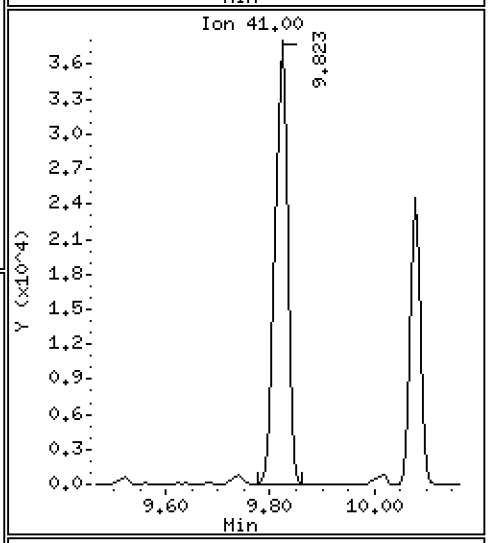
14 2,2'-oxybis(1-Chloropropane)

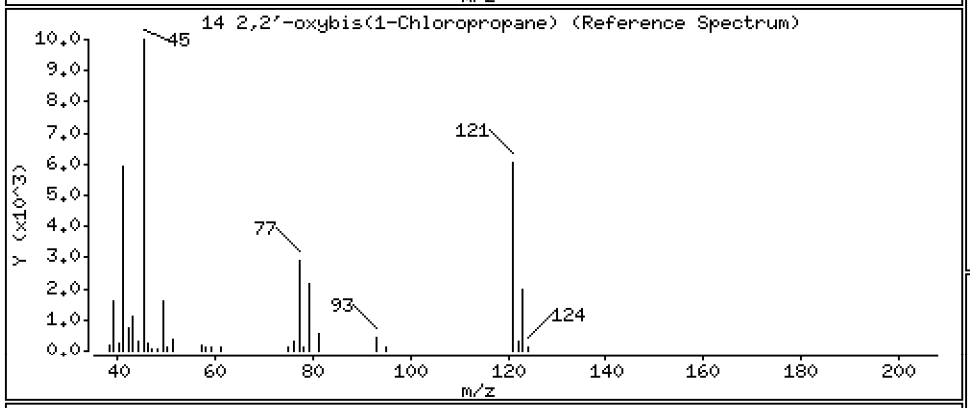
Concentration: 4.501 ug/mL

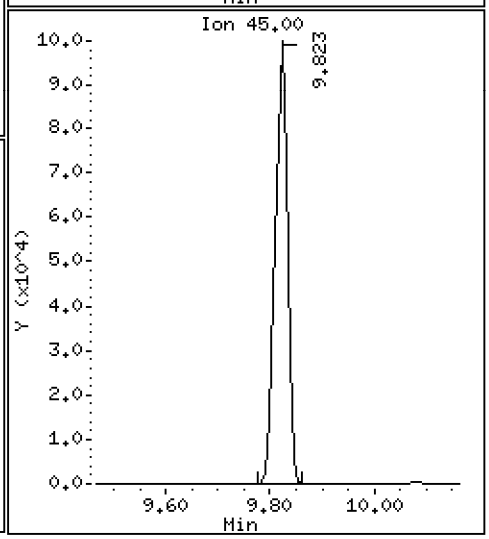


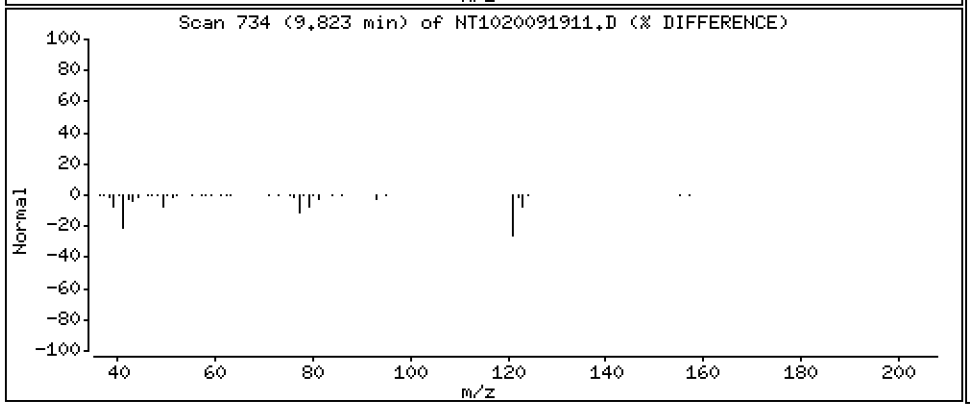












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

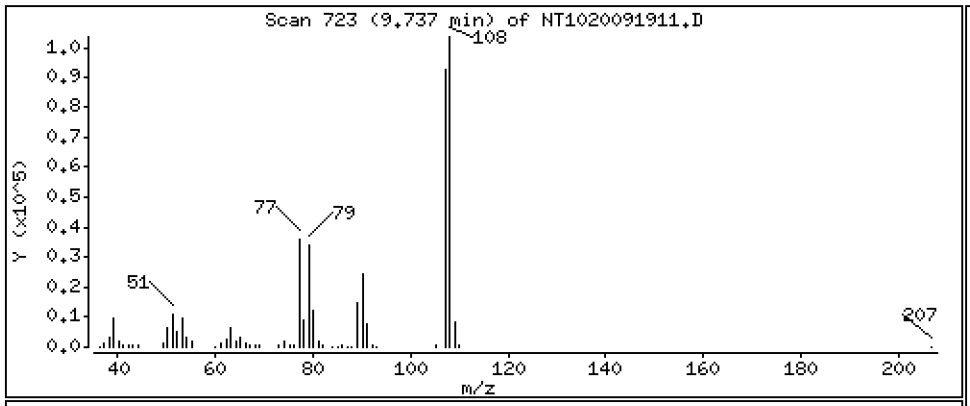
Operator: VTS

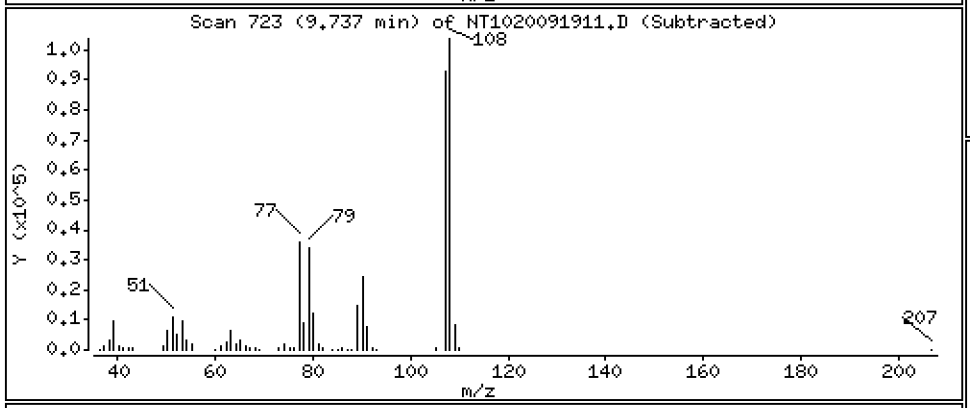
Column phase: ZB-5msi

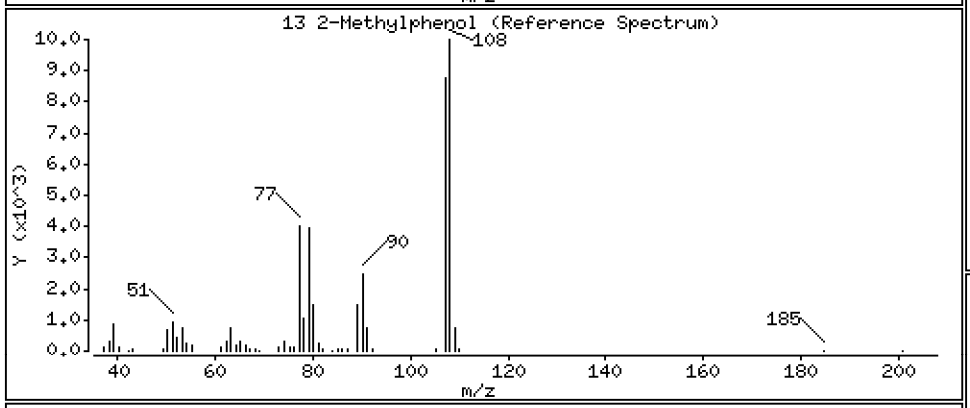
Column diameter: 0.25

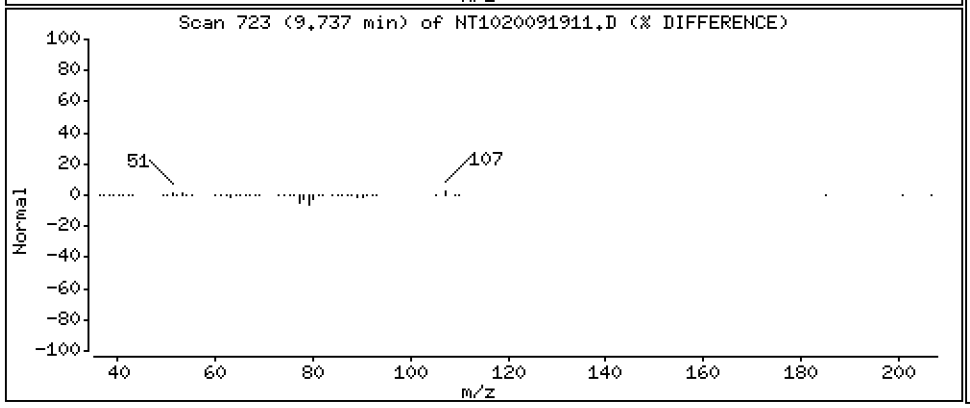
13 2-Methylphenol

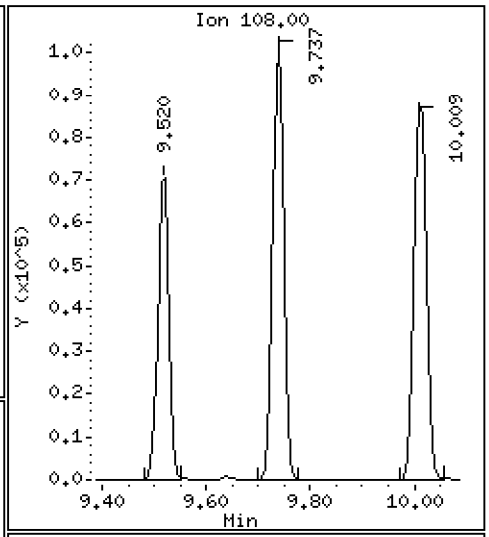
Concentration: 4.597 ug/mL

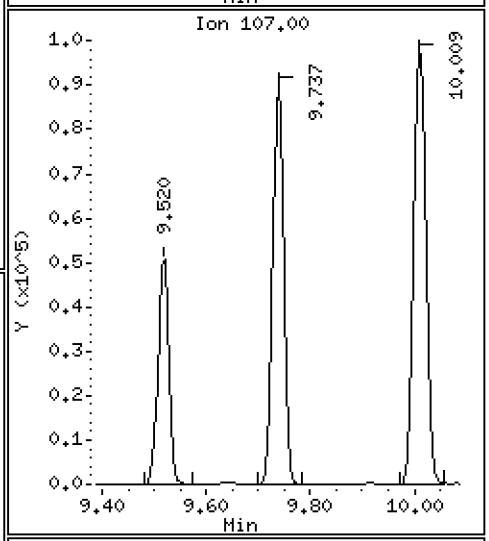


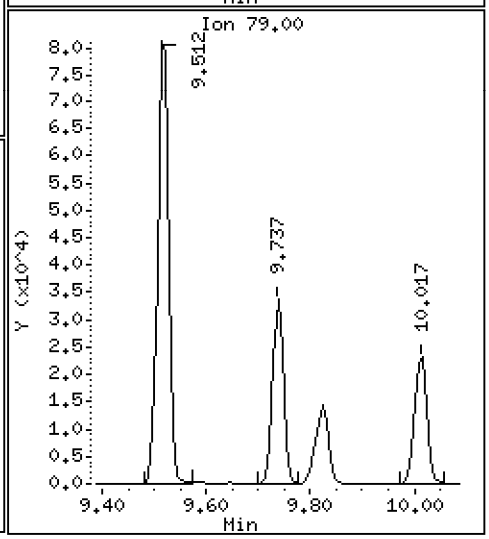












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

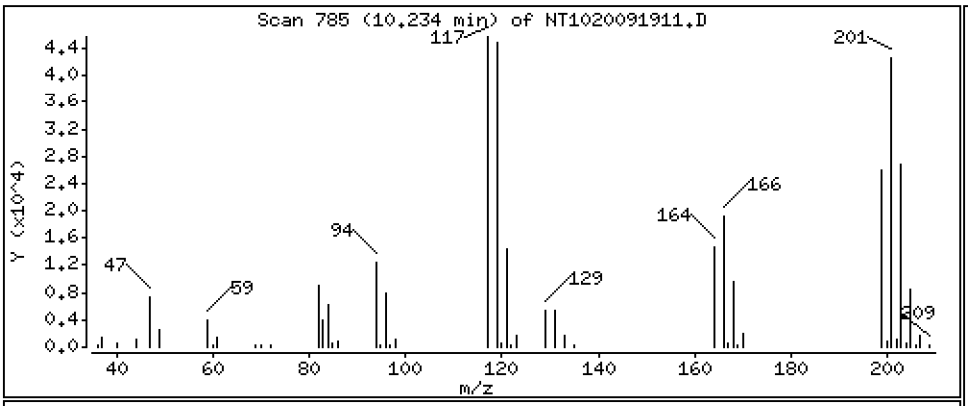
Operator: VTS

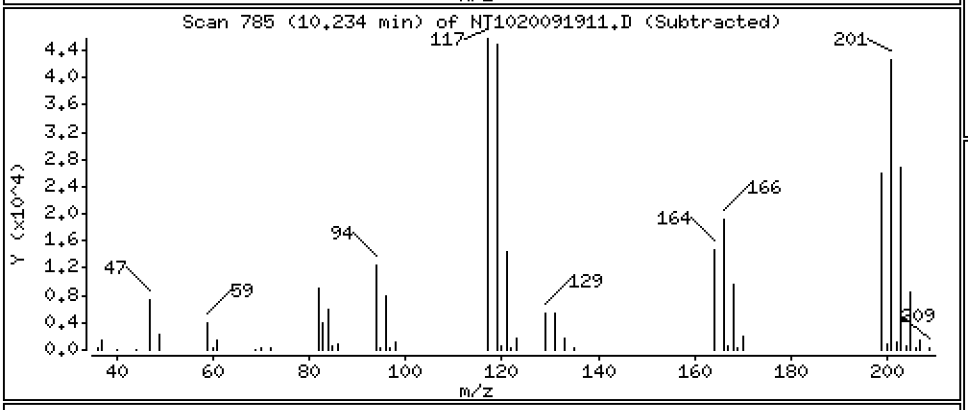
Column phase: ZB-5msi

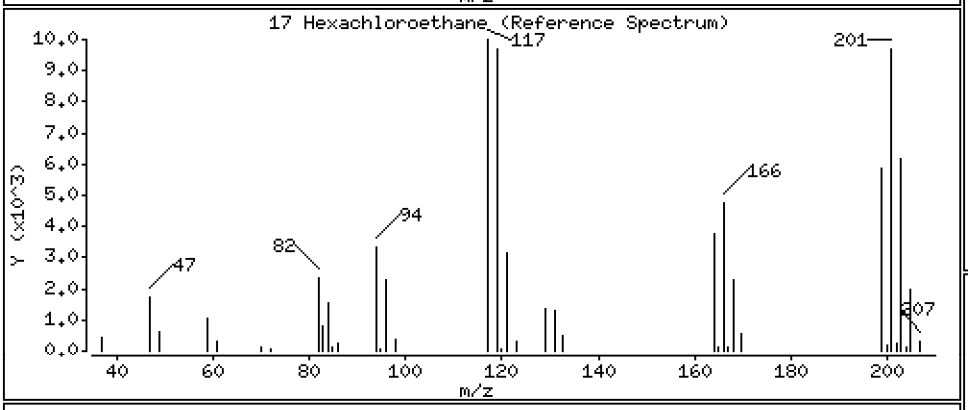
Column diameter: 0.25

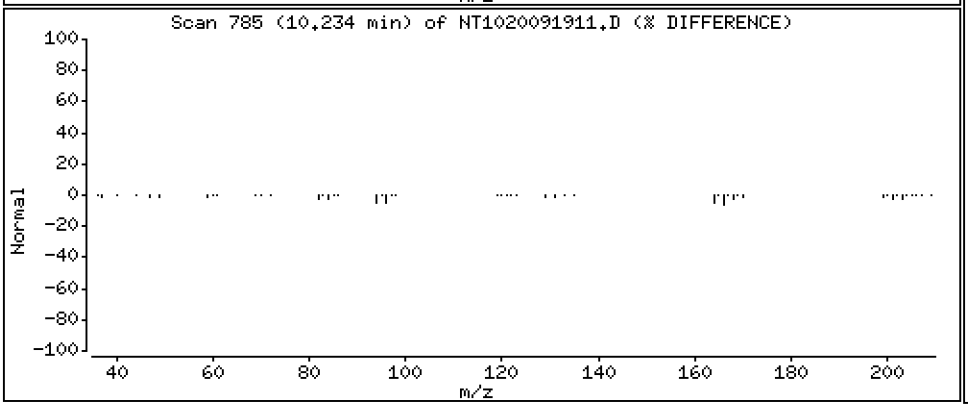
17 Hexachloroethane

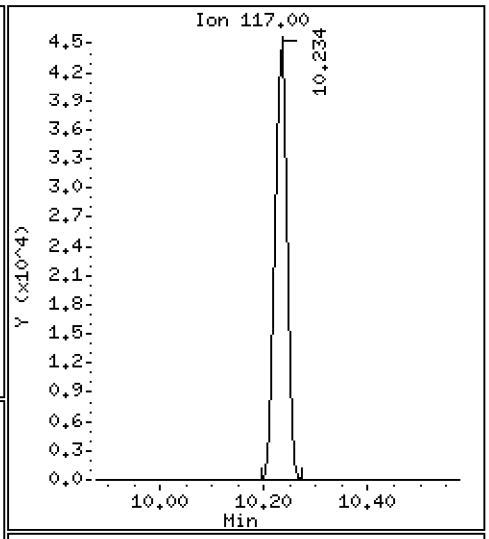
Concentration: 4.686 ug/mL

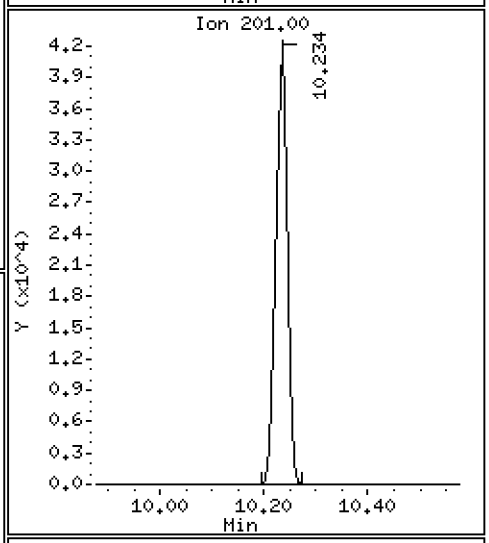


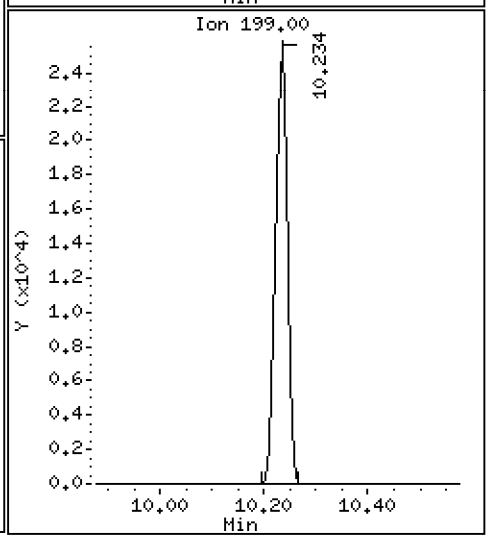












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

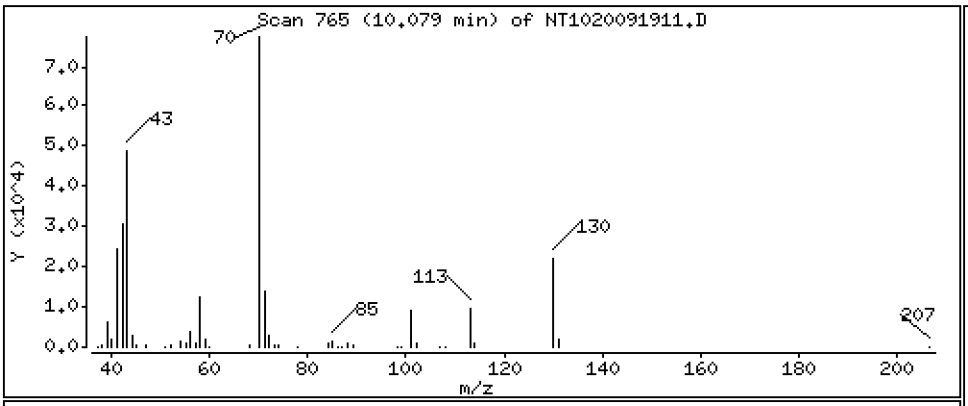
Operator: VTS

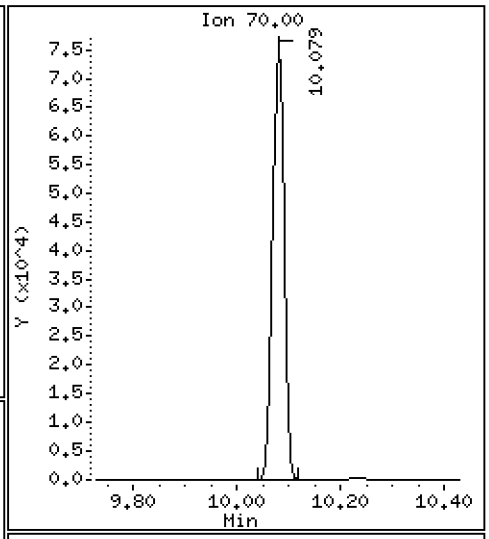
Column phase: ZB-5msi

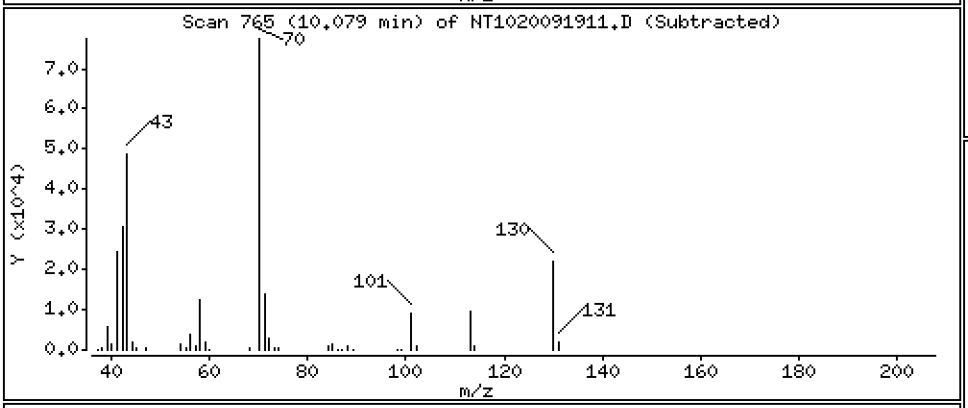
Column diameter: 0.25

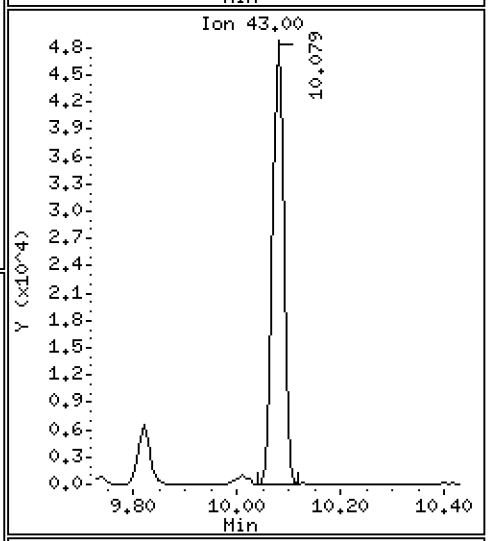
16 N-Nitroso-di-n-propylamine

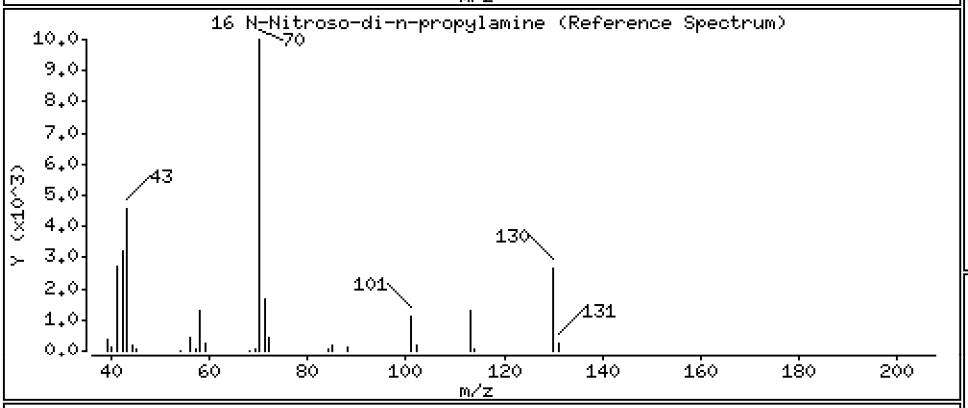
Concentration: 4.852 ug/mL

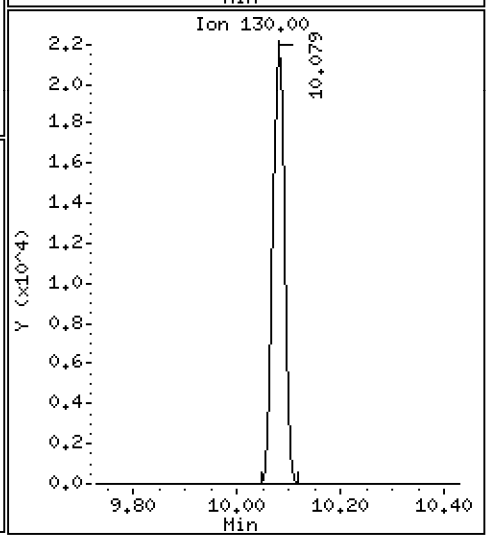


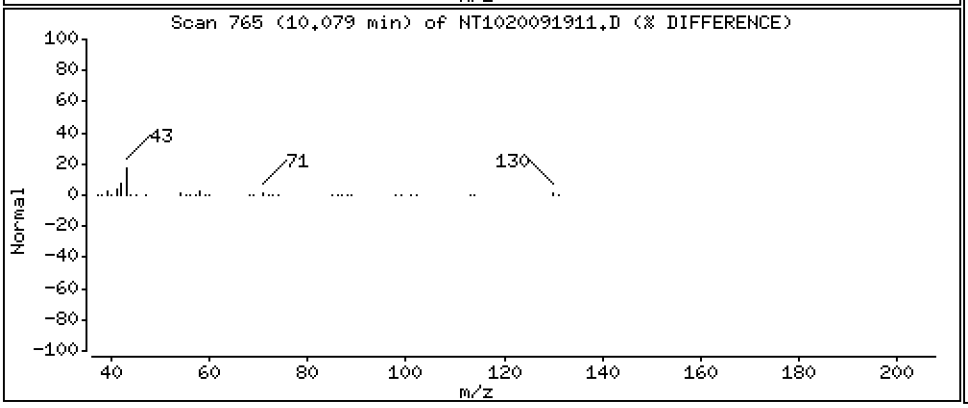












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

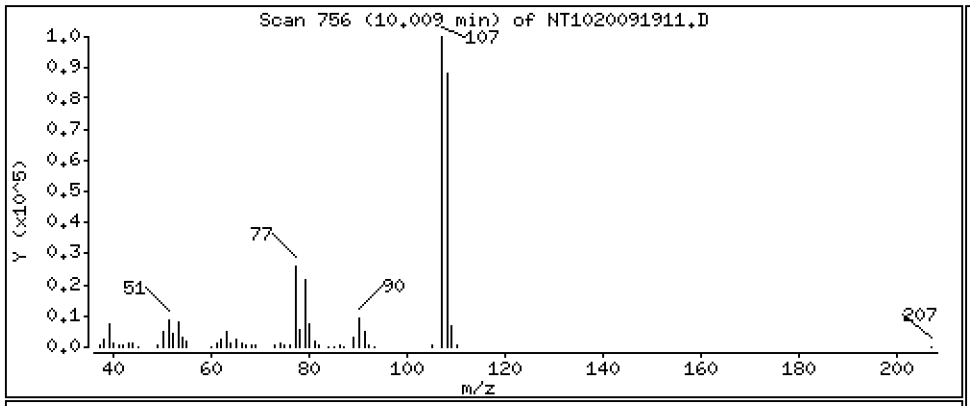
Operator: VTS

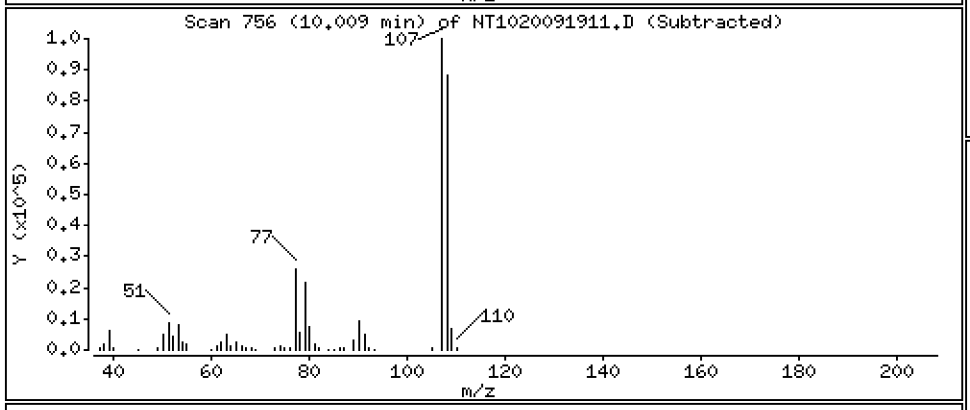
Column phase: ZB-5msi

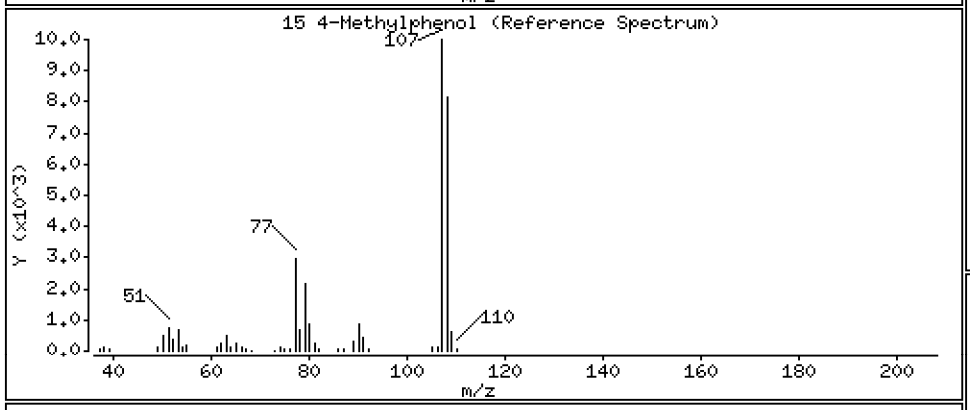
Column diameter: 0.25

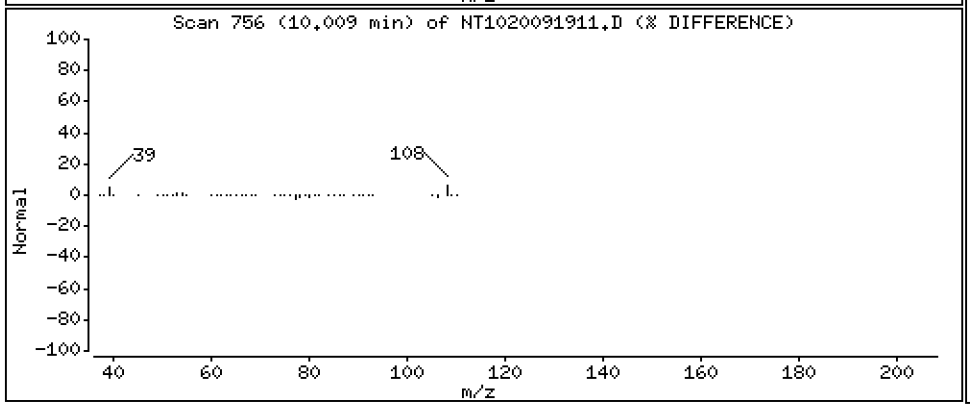
15 4-Methylphenol

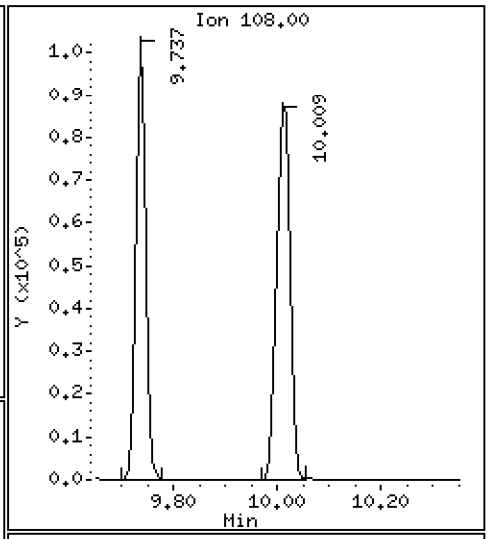
Concentration: 4.823 ug/mL

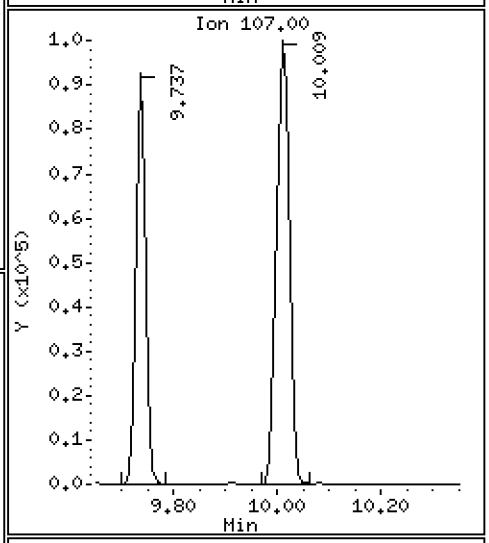


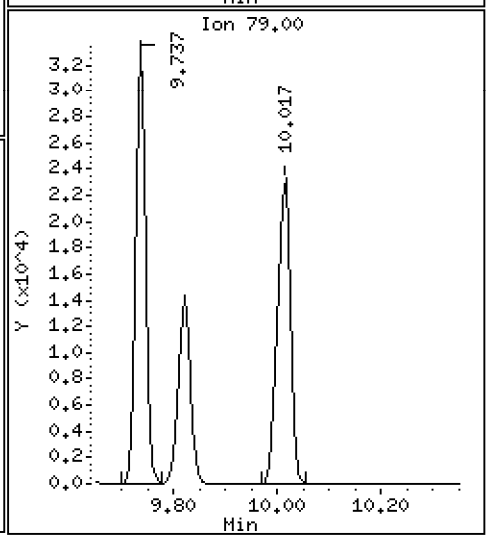












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

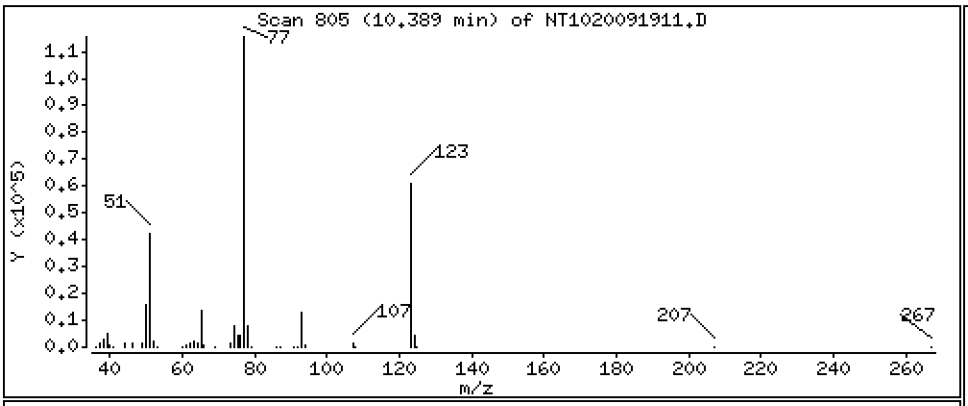
Operator: VTS

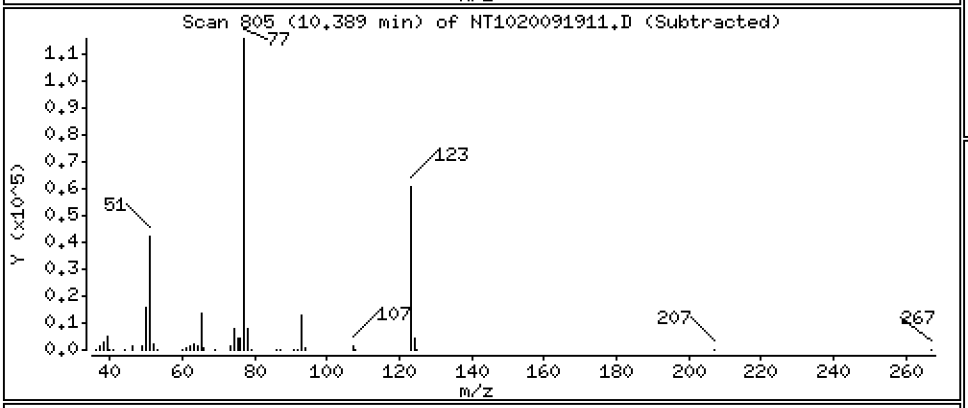
Column phase: ZB-5msi

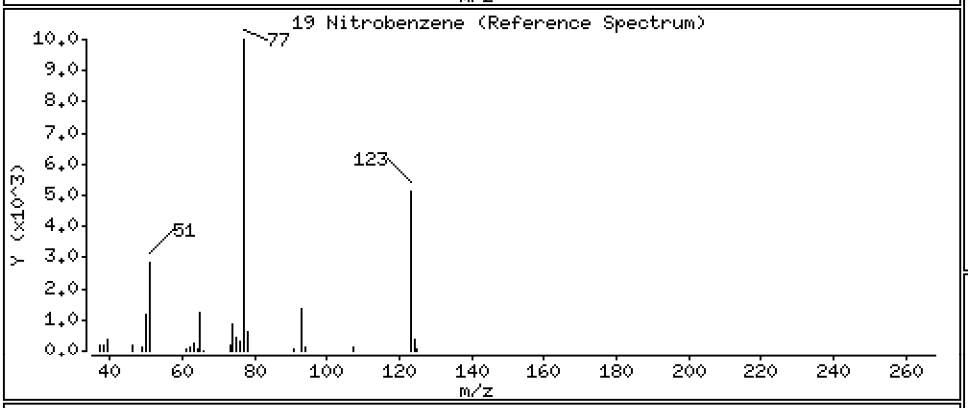
Column diameter: 0.25

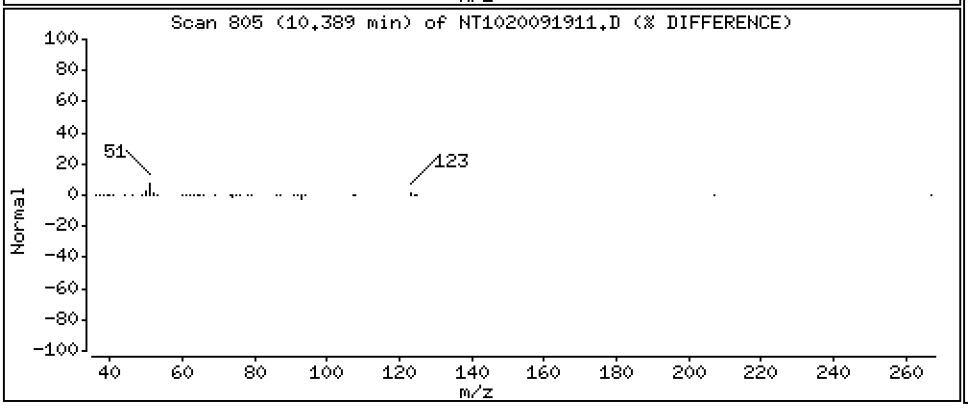
19 Nitrobenzene

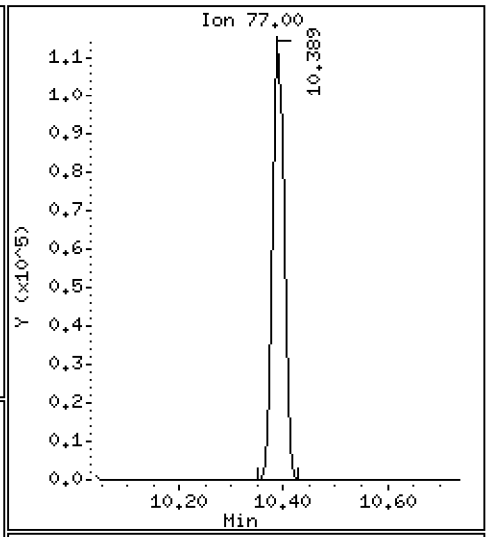
Concentration: 4.512 ug/mL

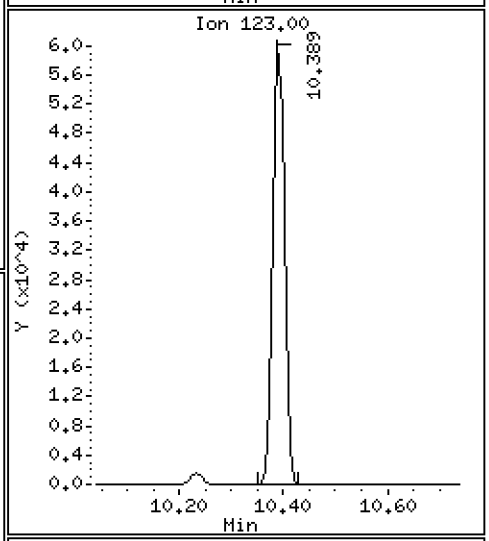


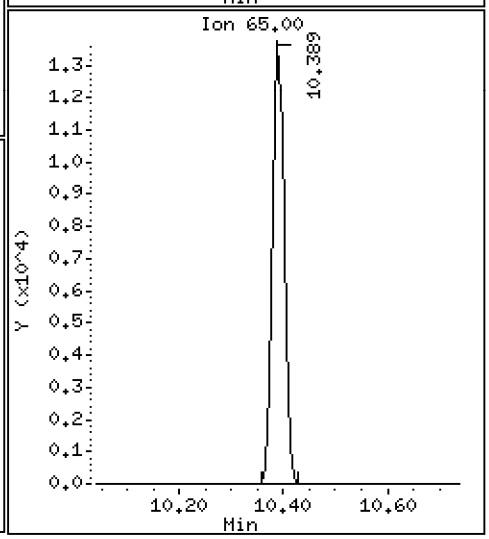












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

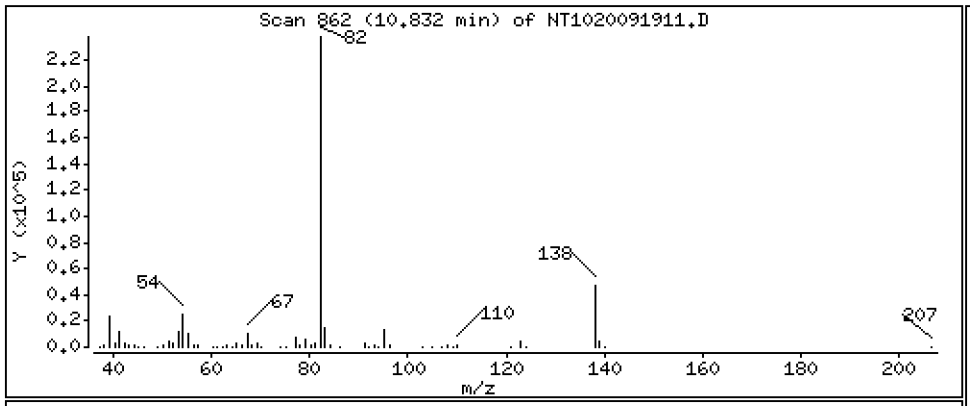
Operator: VTS

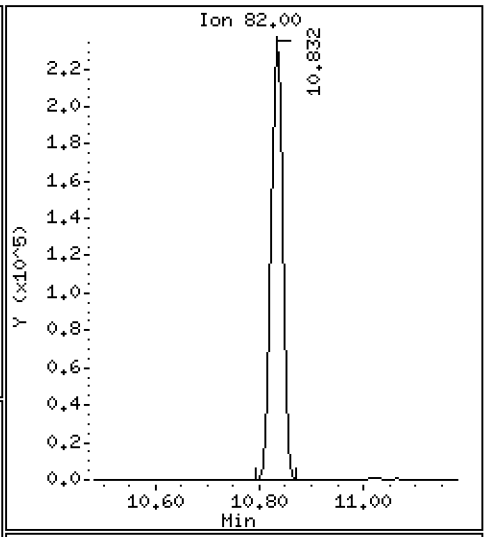
Column phase: ZB-5msi

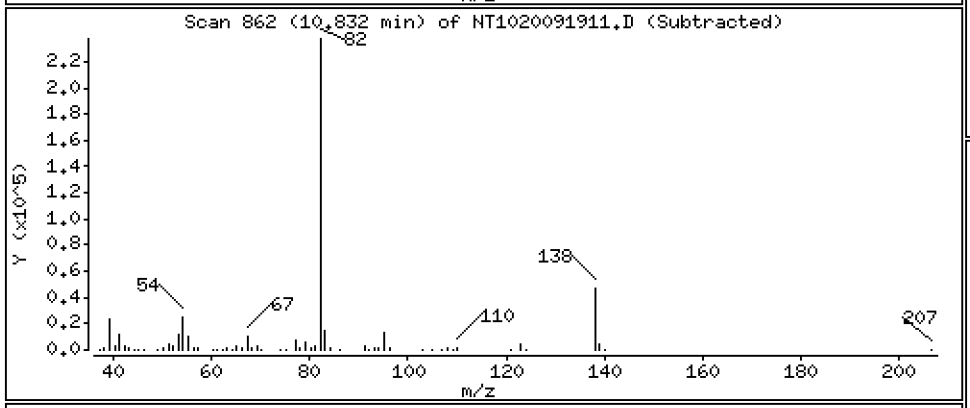
Column diameter: 0.25

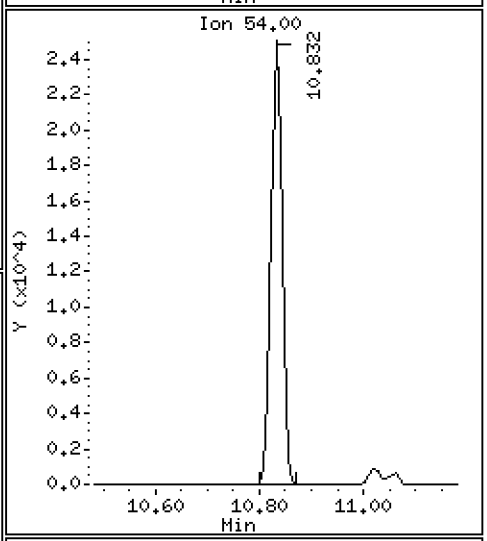
20 Isophorone

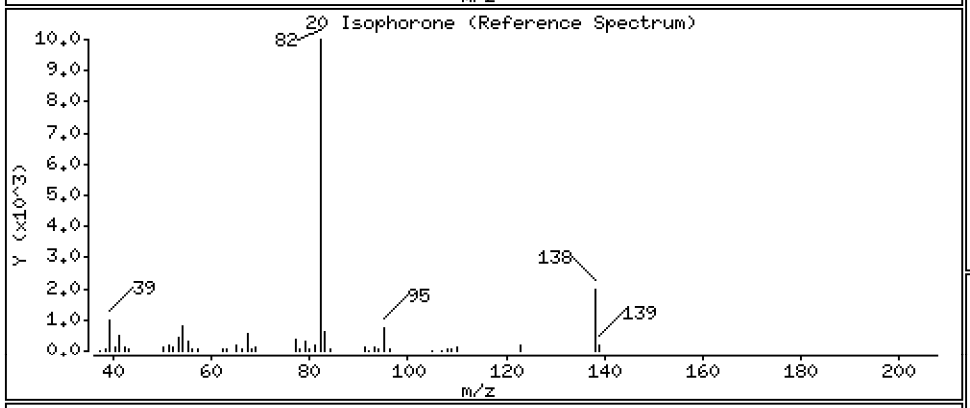
Concentration: 4.795 ug/mL

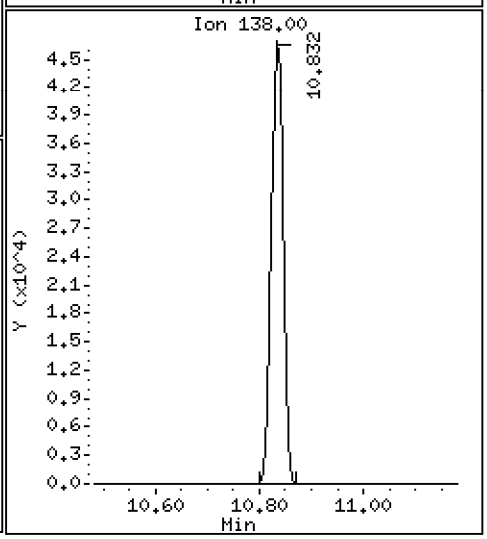


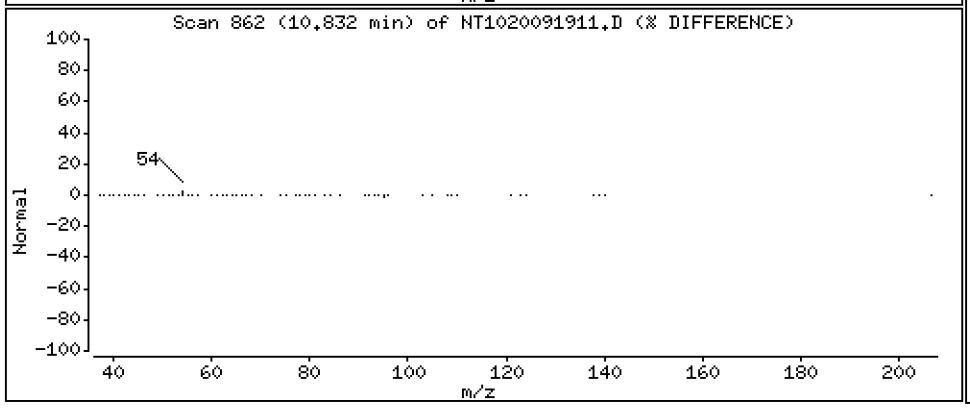












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

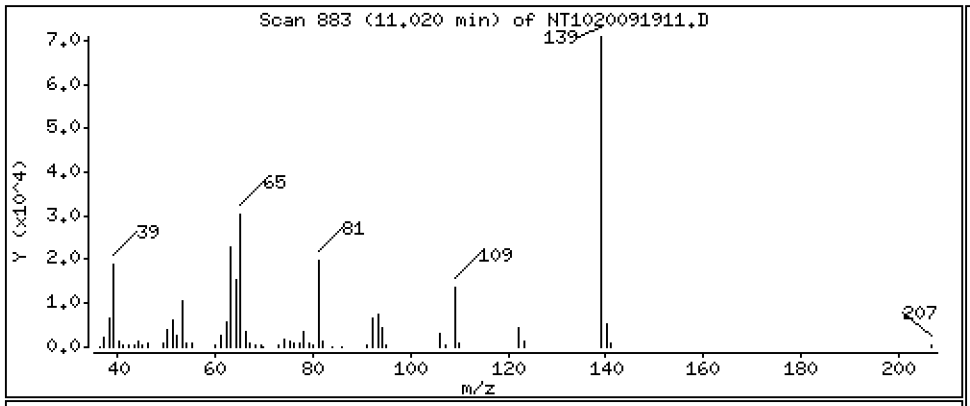
Operator: VTS

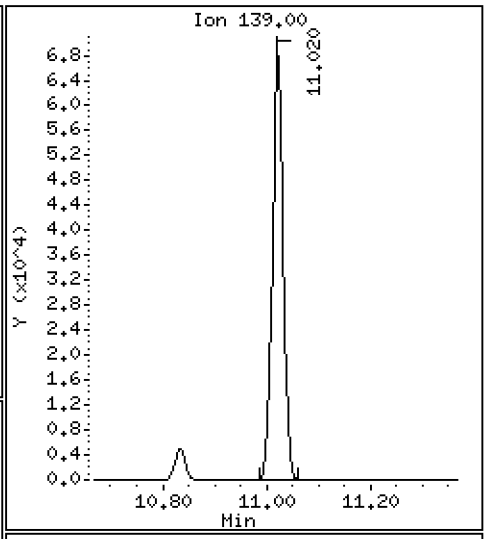
Column phase: ZB-5msi

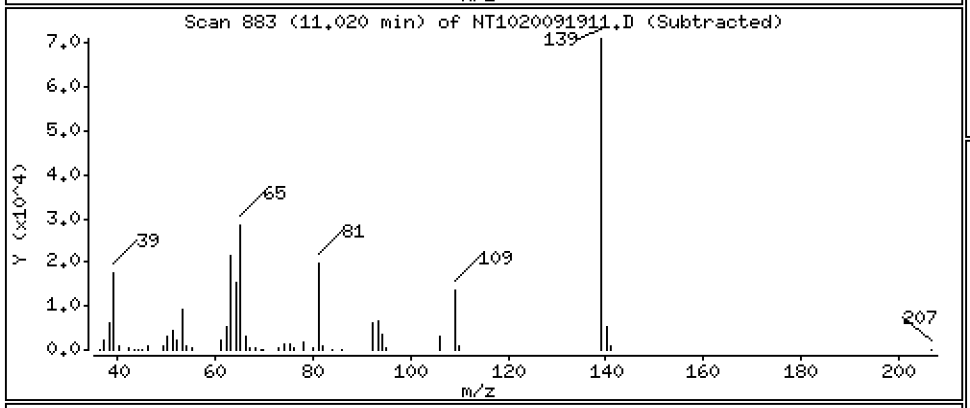
Column diameter: 0.25

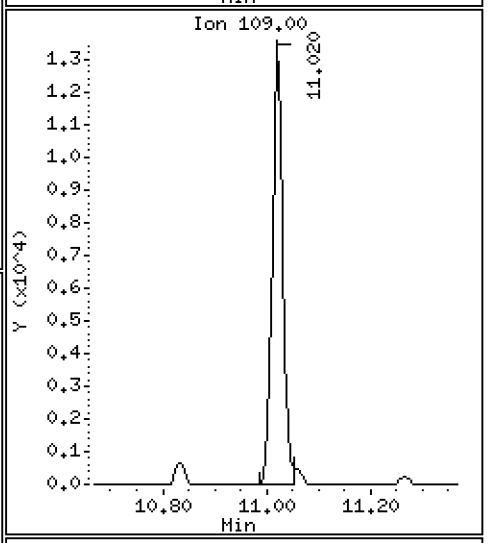
21 2-Nitrophenol

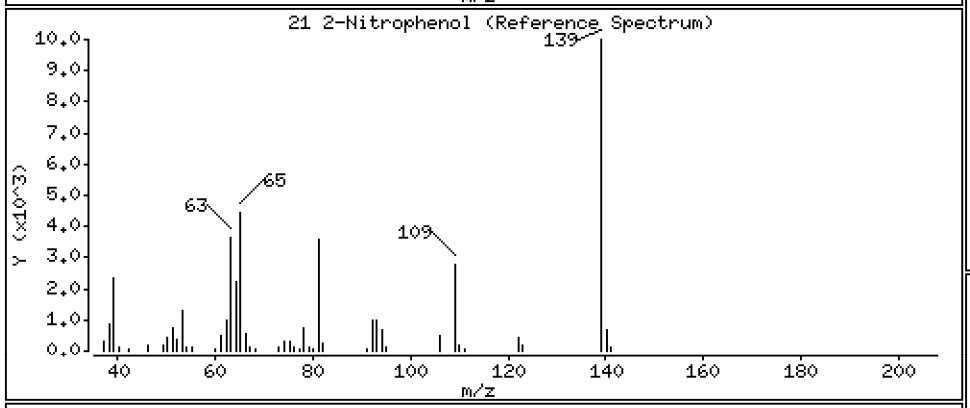
Concentration: 4.743 ug/mL

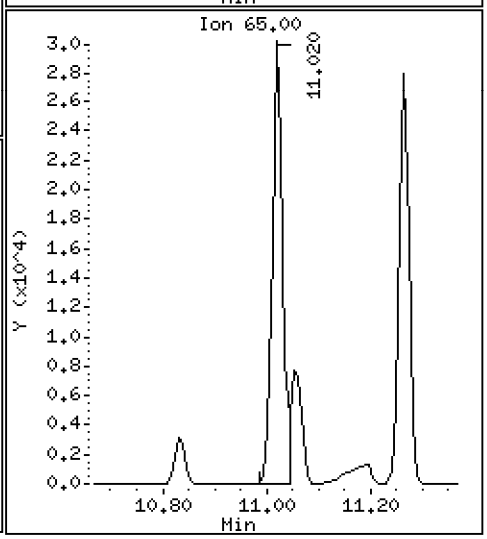


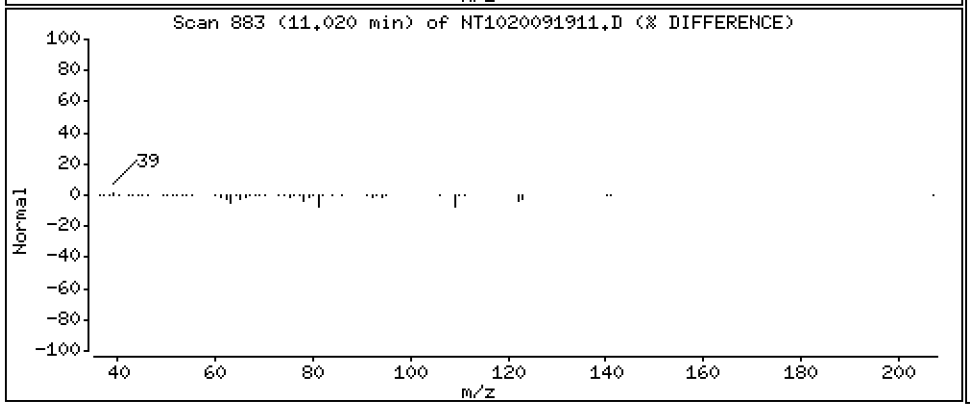












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

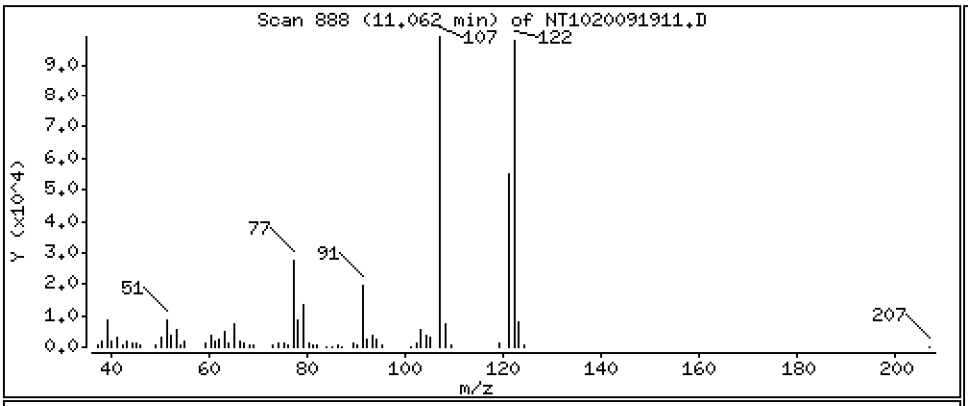
Operator: VTS

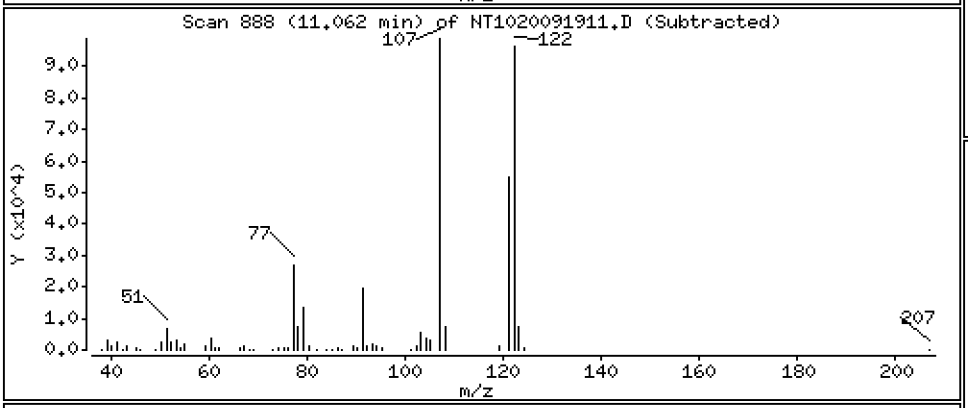
Column phase: ZB-5msi

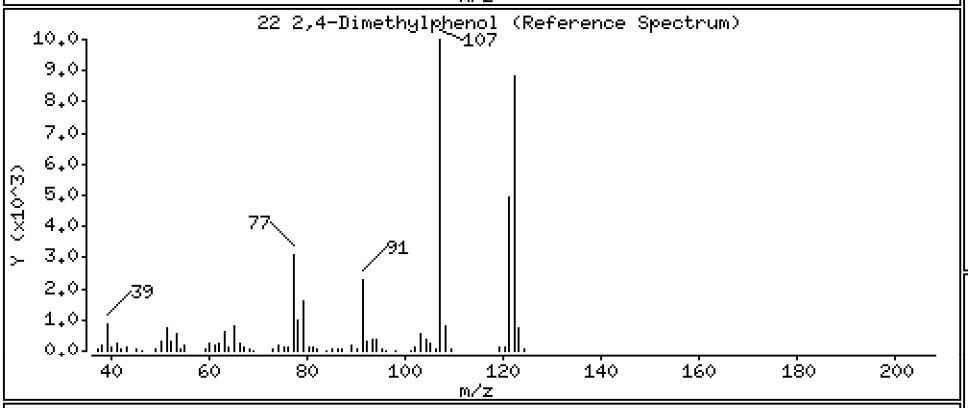
Column diameter: 0.25

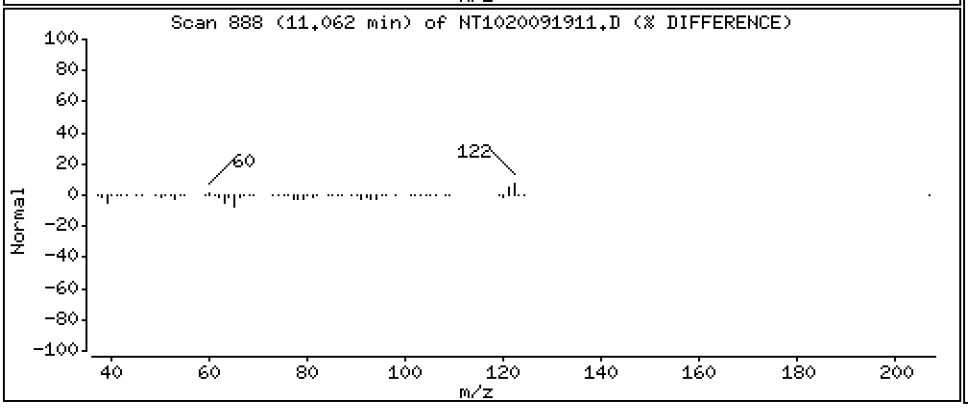
22 2,4-Dimethylphenol

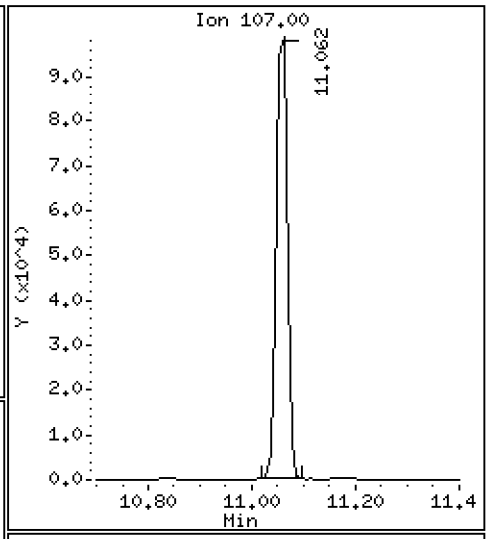
Concentration: 4.730 ug/mL

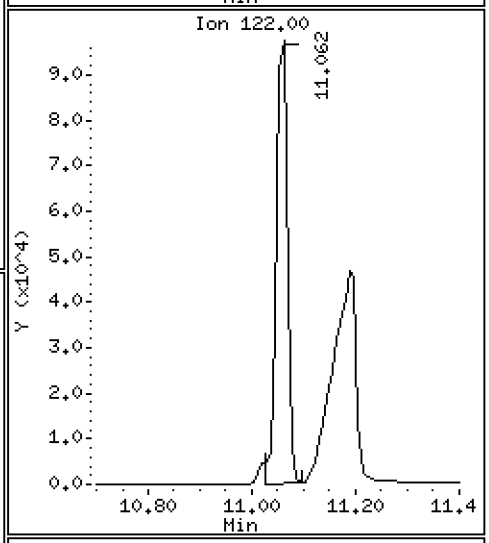


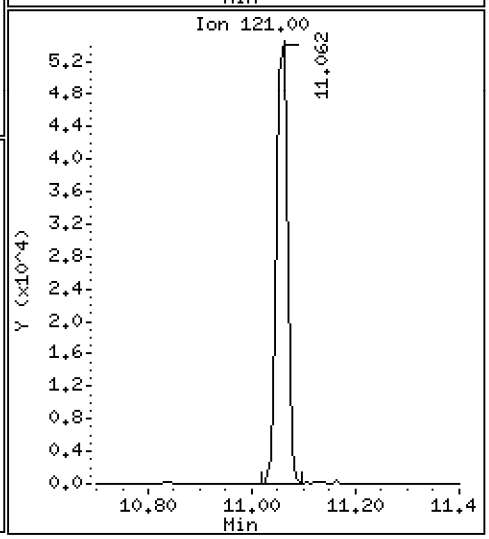












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

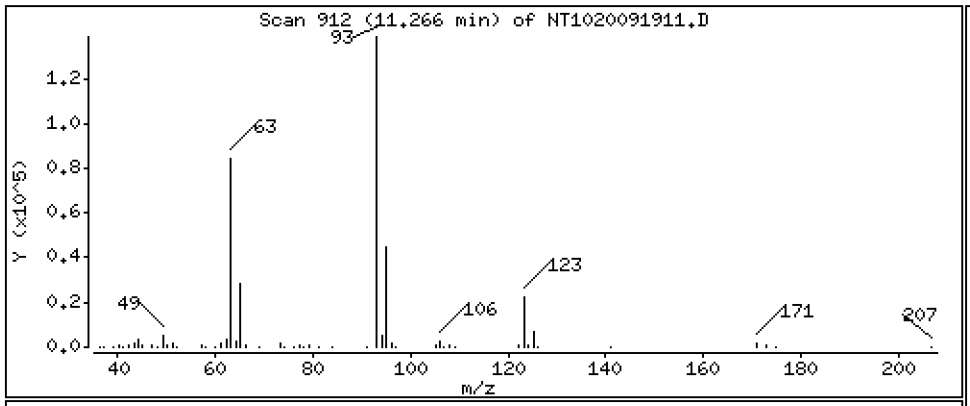
Operator: VTS

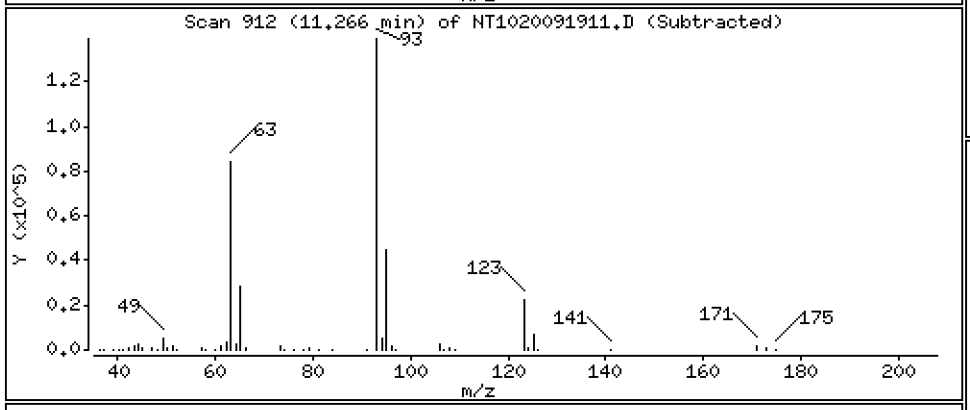
Column phase: ZB-5msi

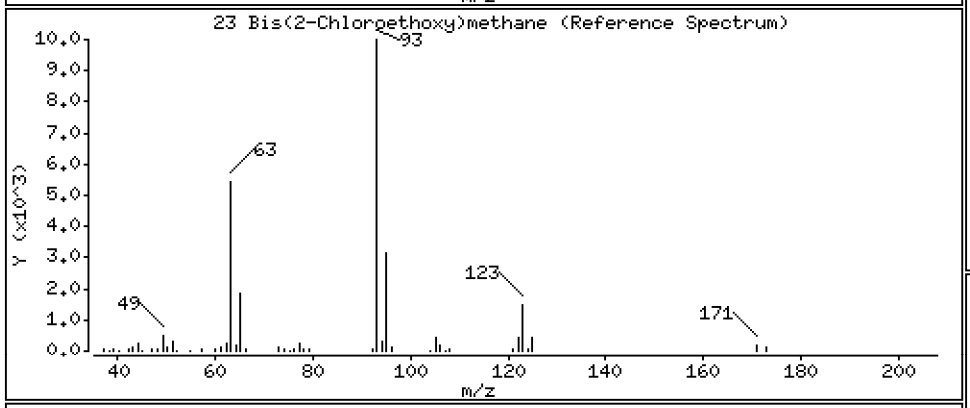
Column diameter: 0.25

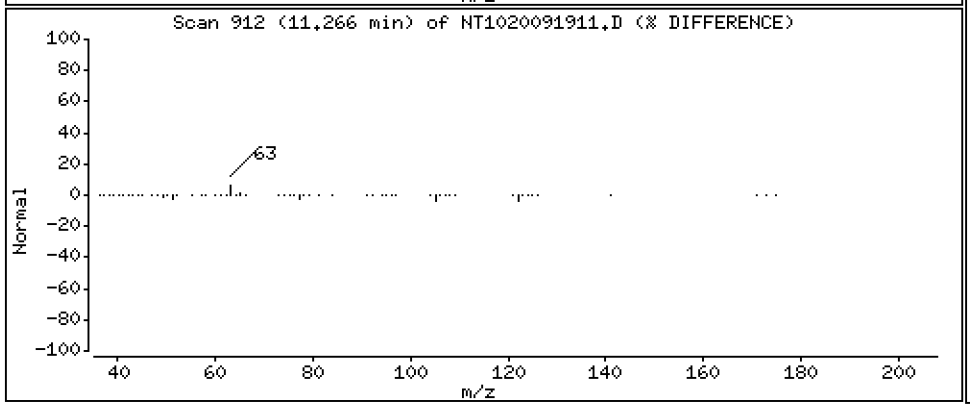
23 Bis(2-Chloroethoxy)methane

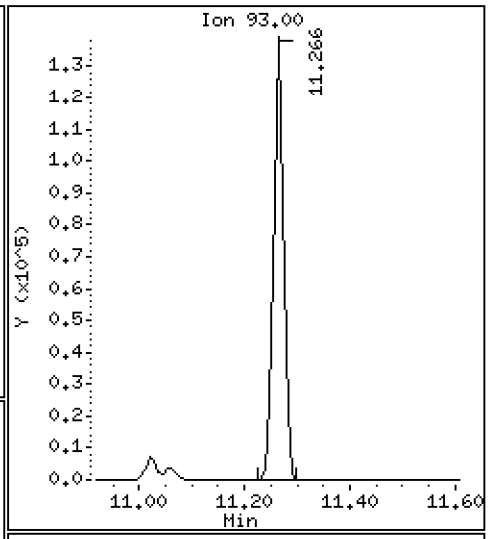
Concentration: 4.895 ug/mL

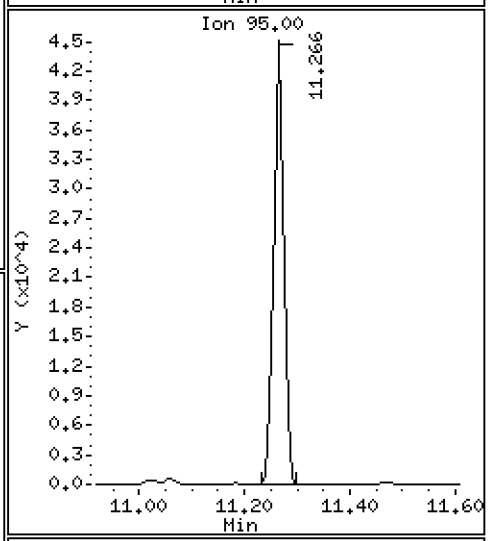


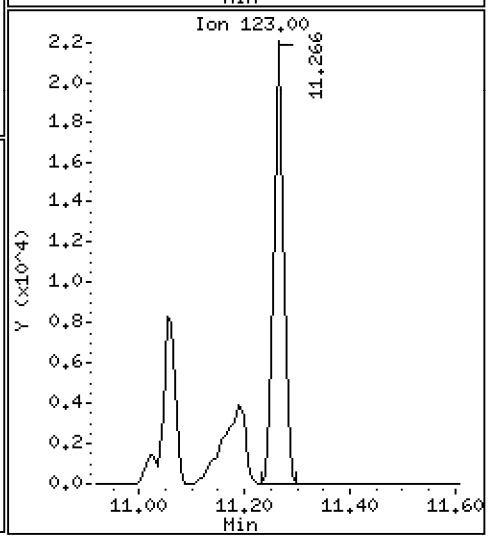












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

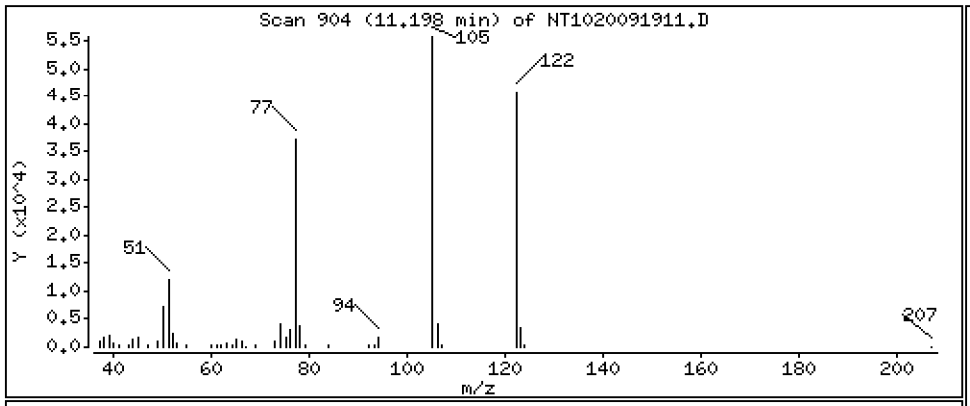
Operator: VTS

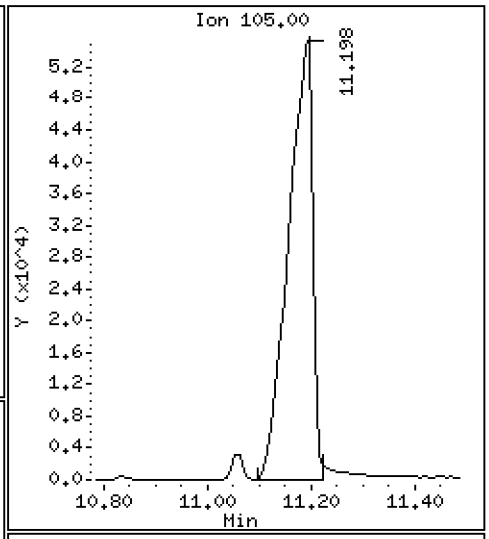
Column phase: ZB-5msi

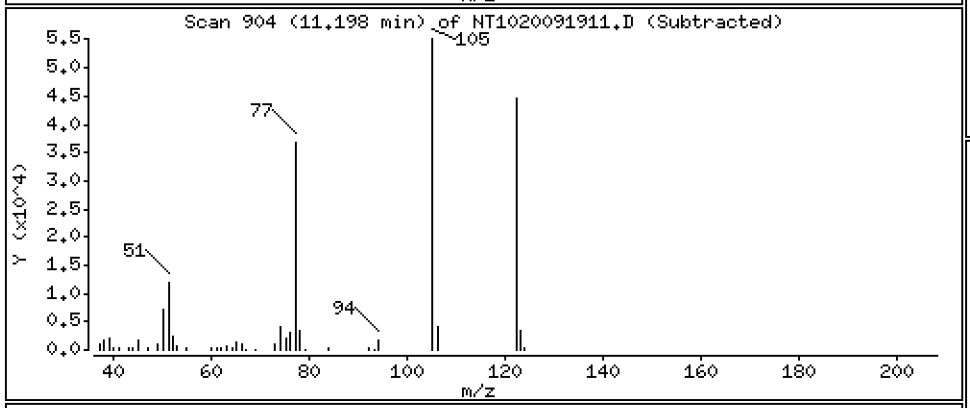
Column diameter: 0.25

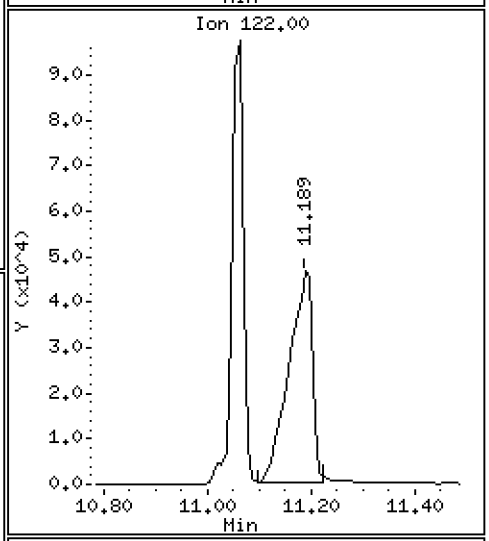
24 Benzoic acid

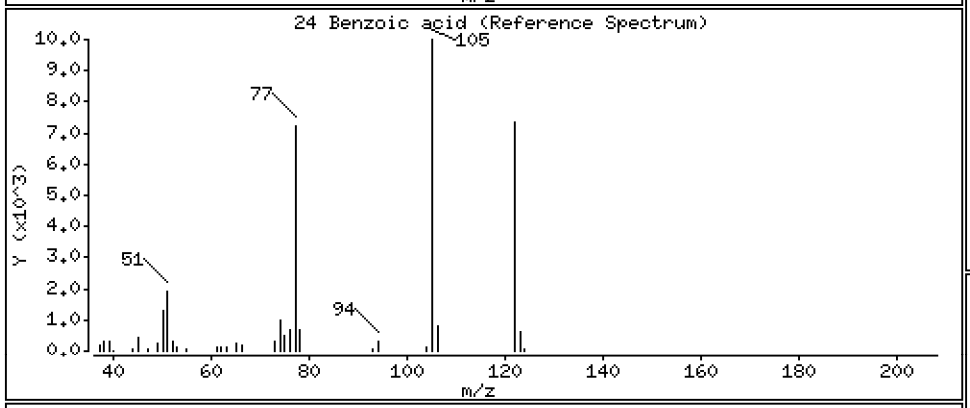
Concentration: 8.445 ug/mL

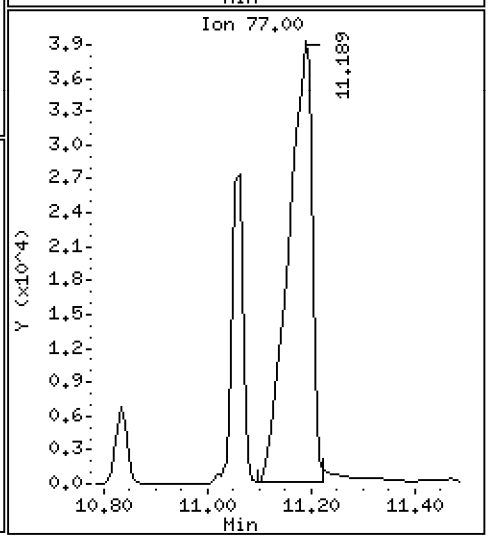


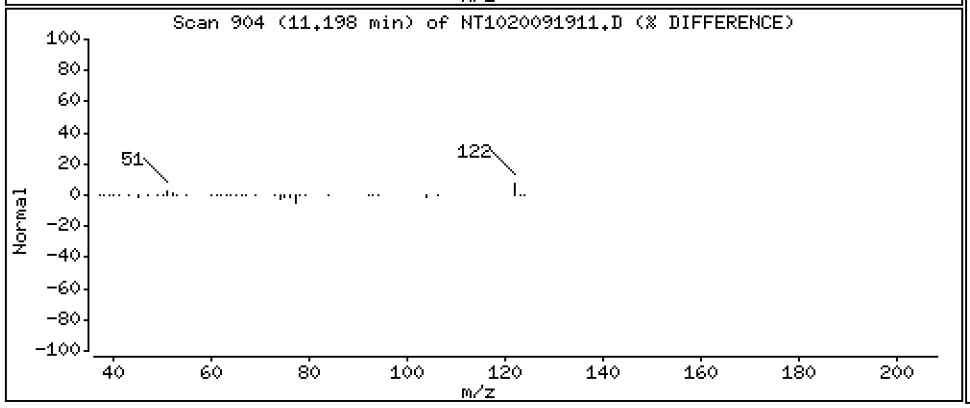












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

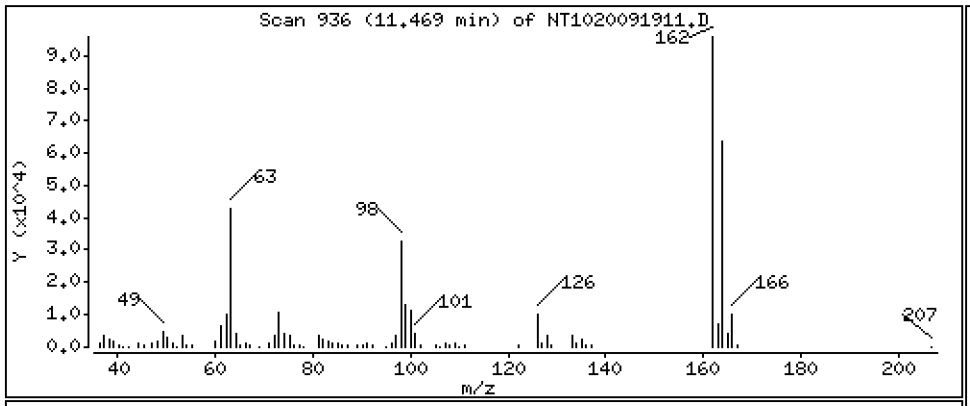
Operator: VTS

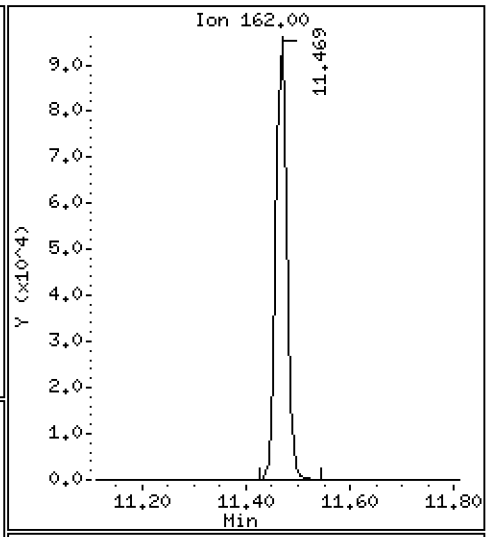
Column phase: ZB-5msi

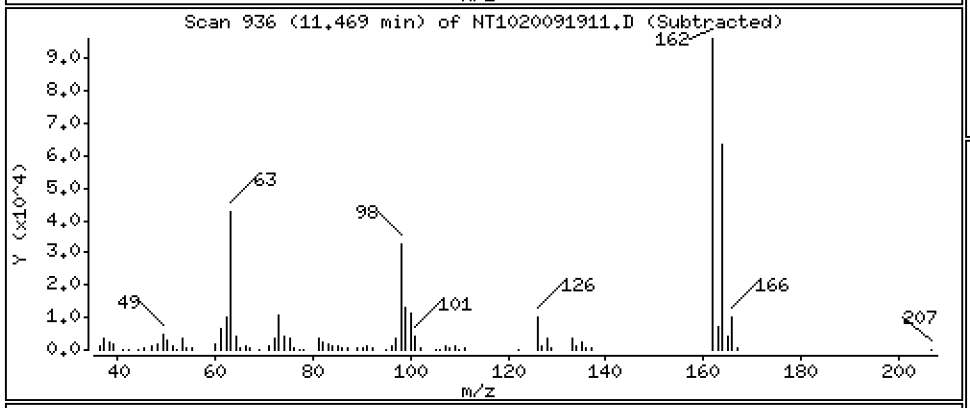
Column diameter: 0.25

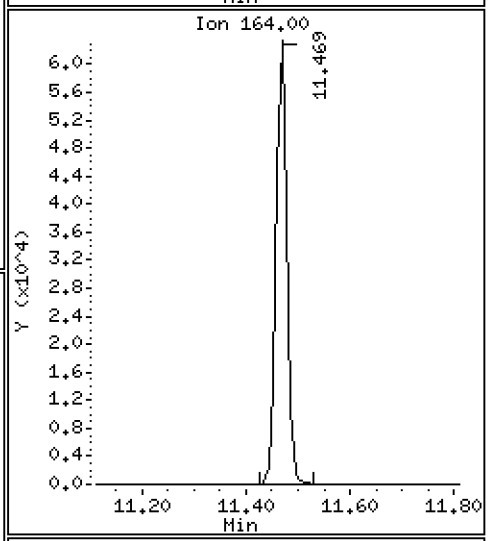
25 2,4-Dichlorophenol

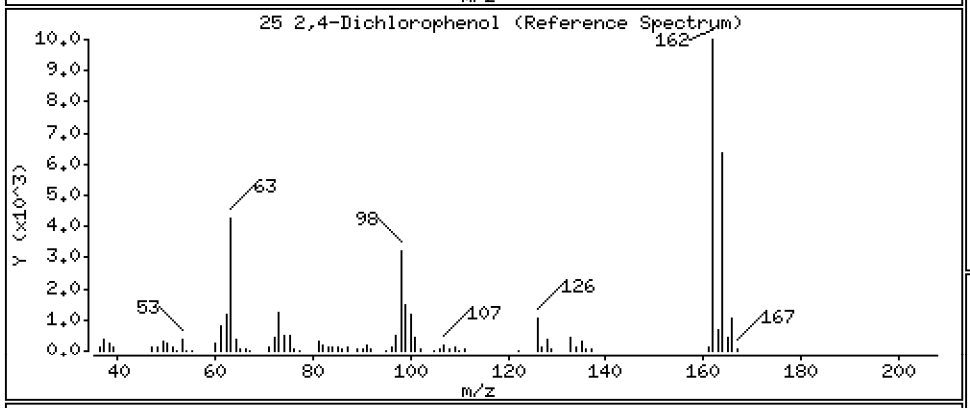
Concentration: 5.041 ug/mL

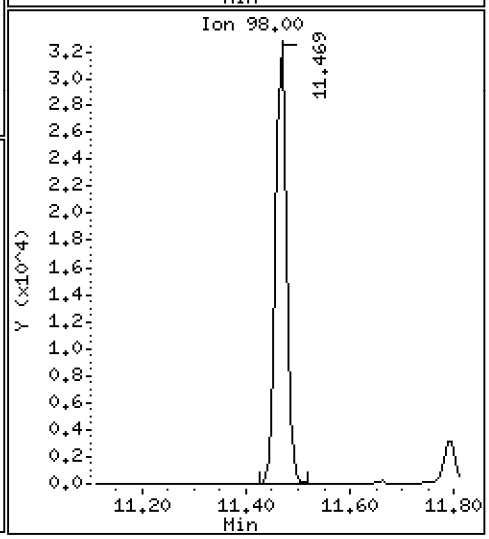


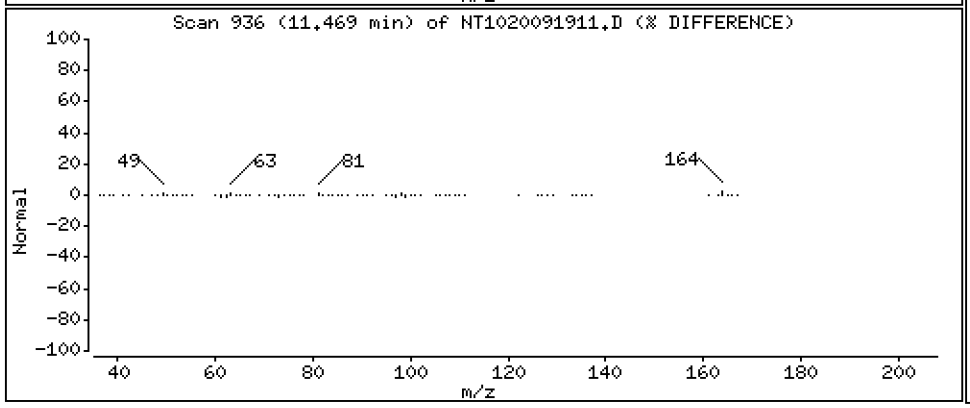












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

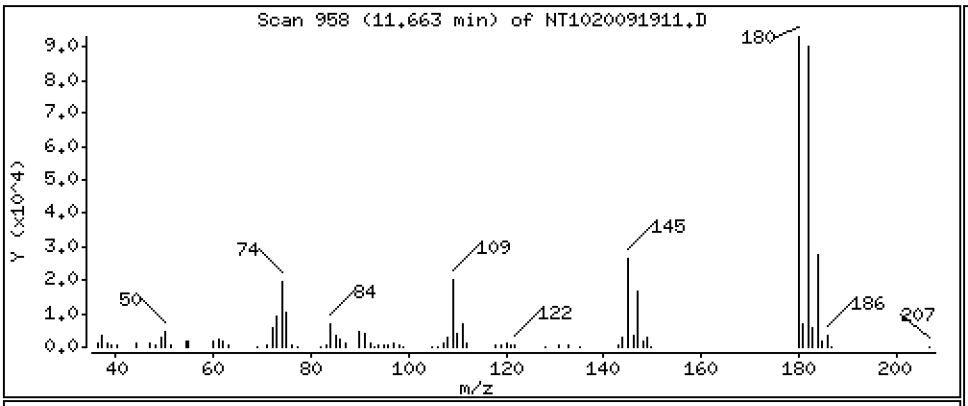
Operator: VTS

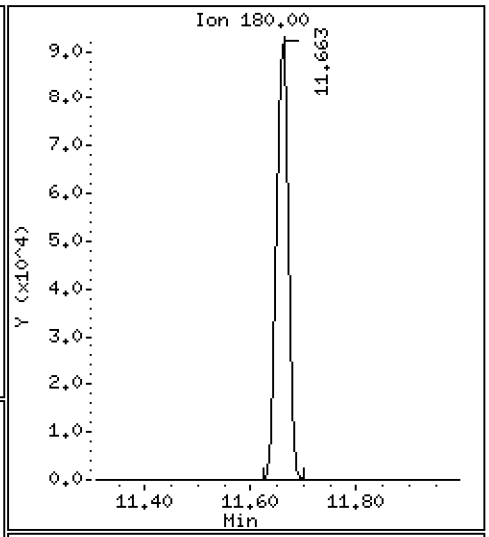
Column phase: ZB-5msi

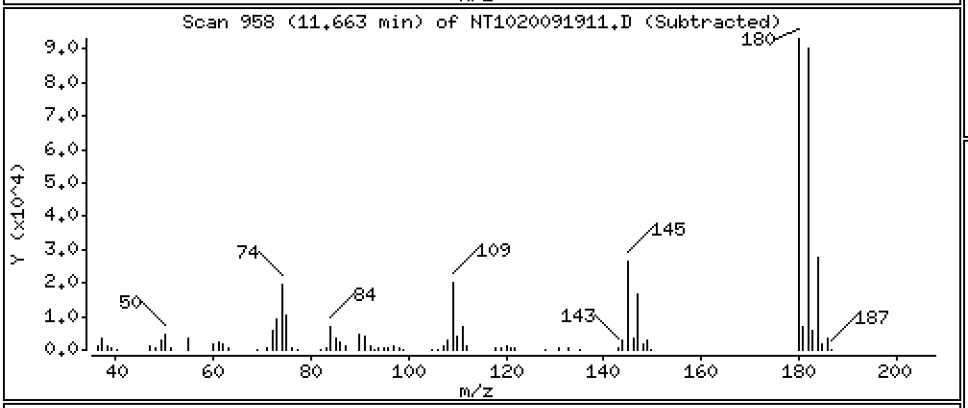
Column diameter: 0.25

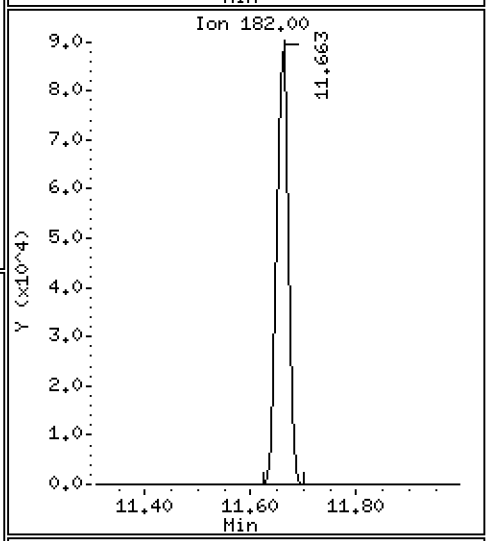
26 1,2,4-Trichlorobenzene

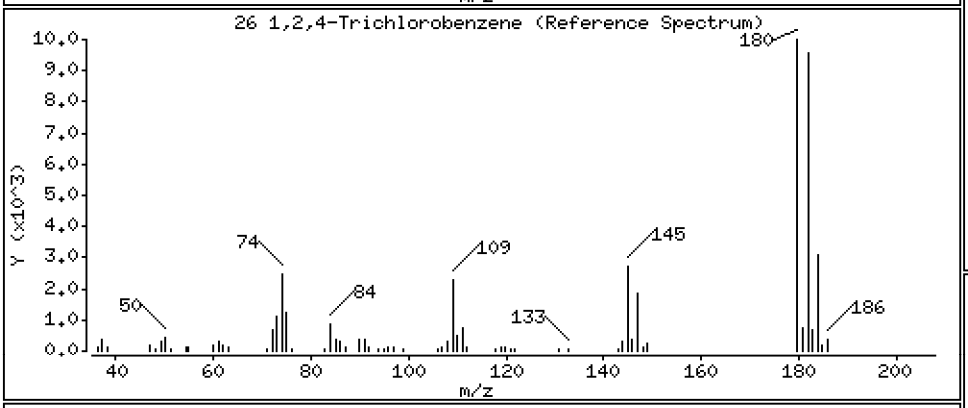
Concentration: 4.684 ug/mL

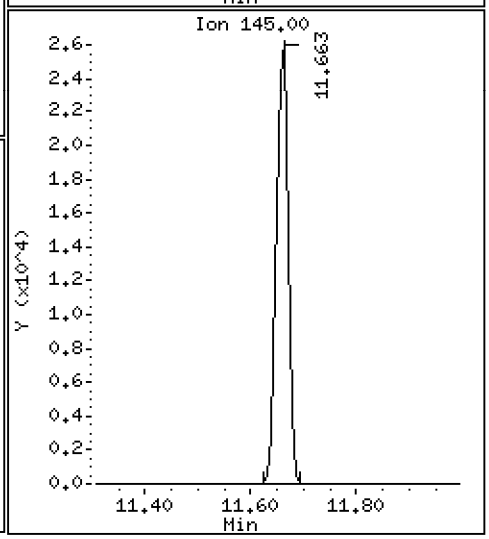


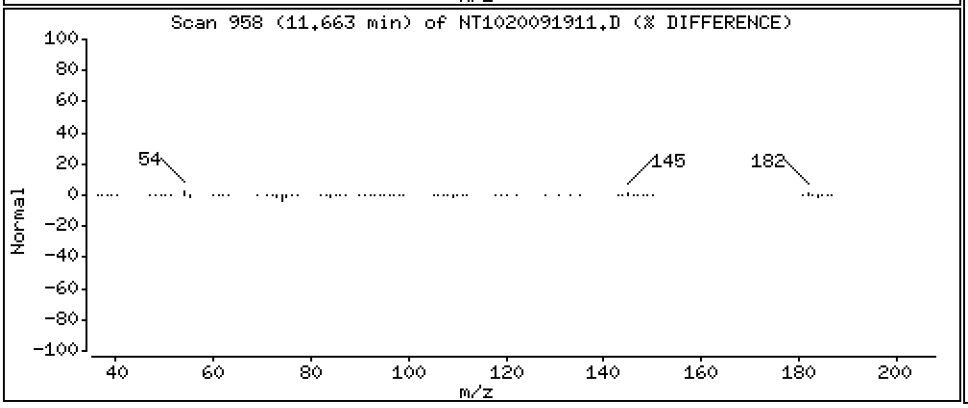












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

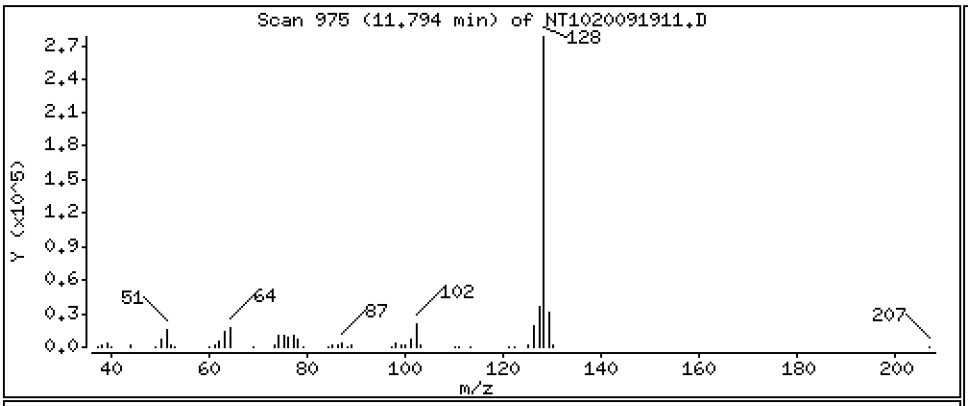
Operator: VTS

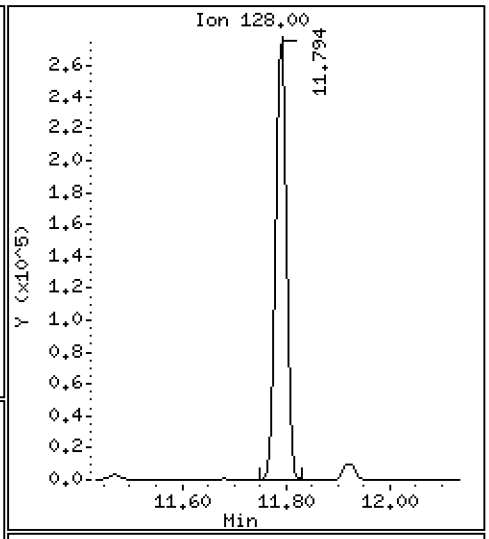
Column phase: ZB-5msi

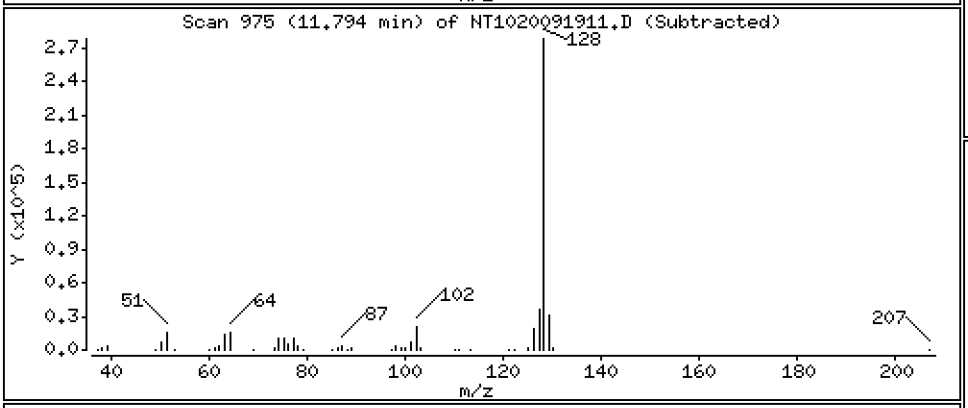
Column diameter: 0.25

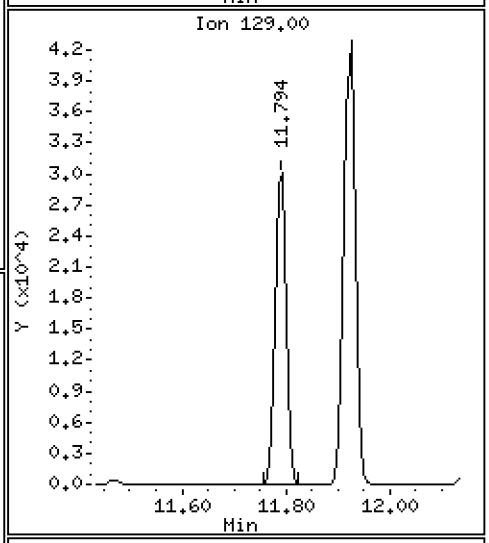
28 Naphthalene

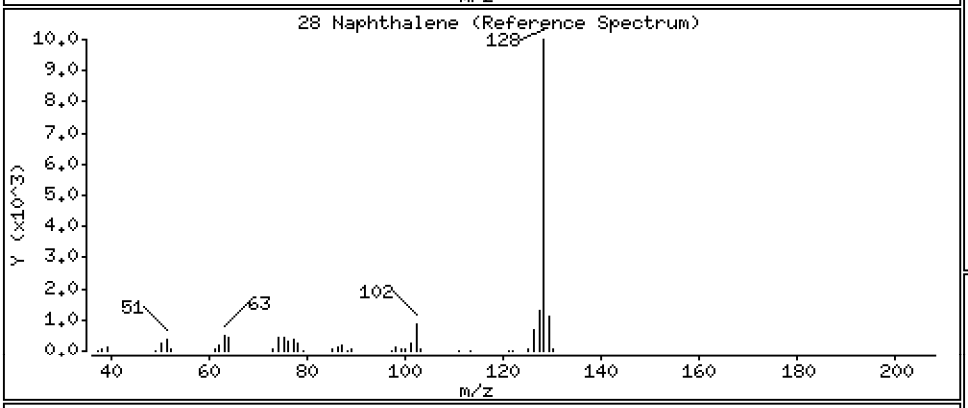
Concentration: 4.856 ug/mL

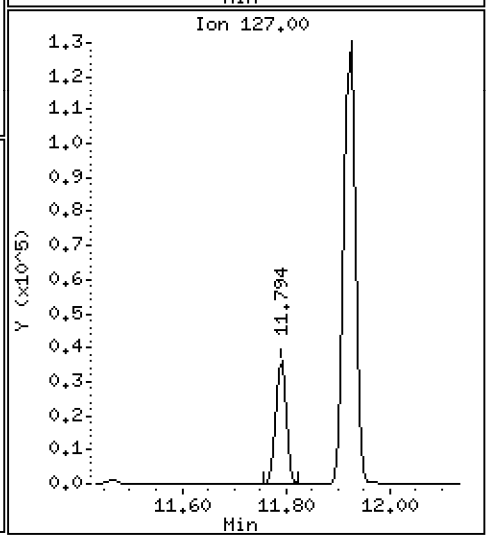


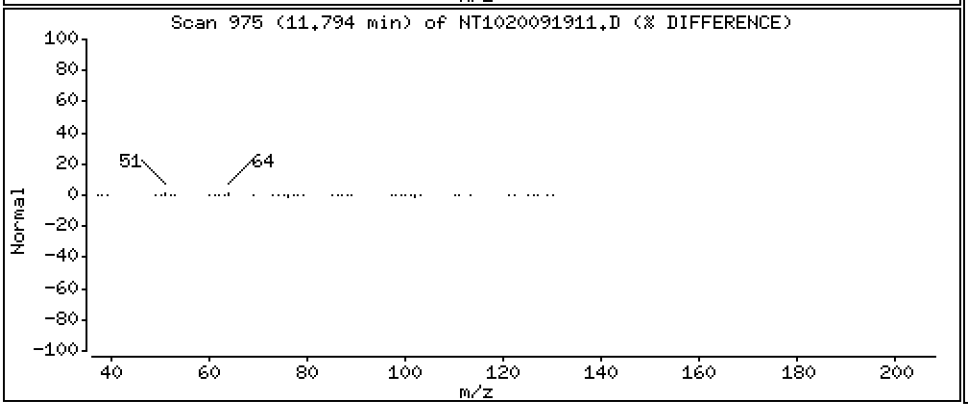












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

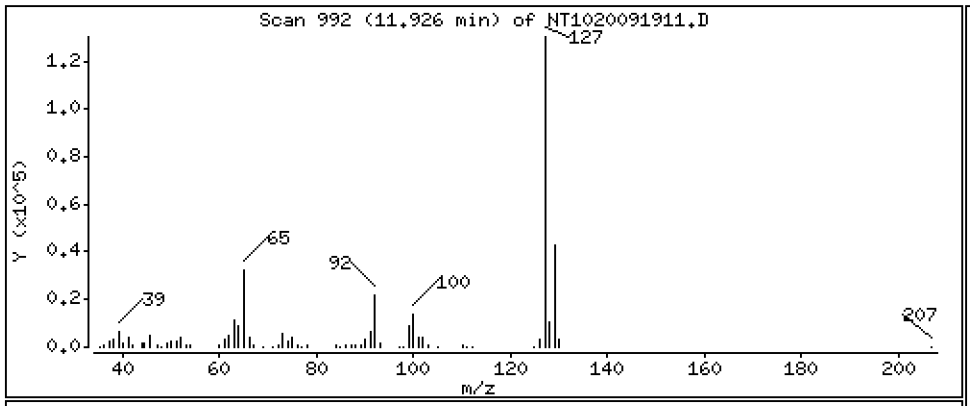
Operator: VTS

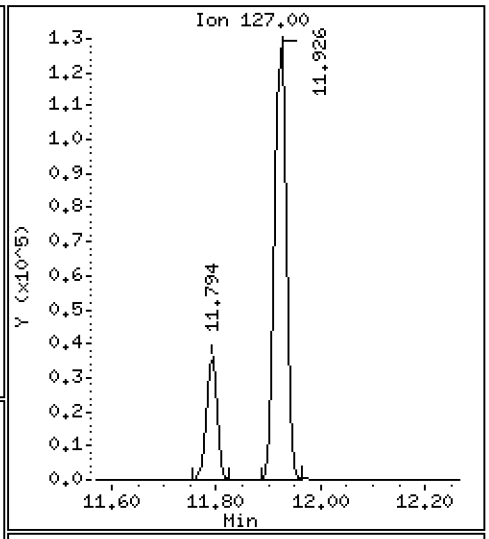
Column phase: ZB-5msi

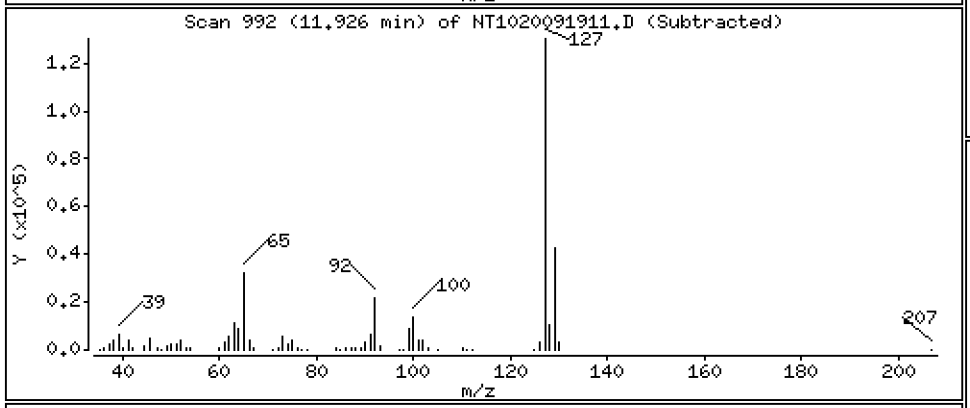
Column diameter: 0.25

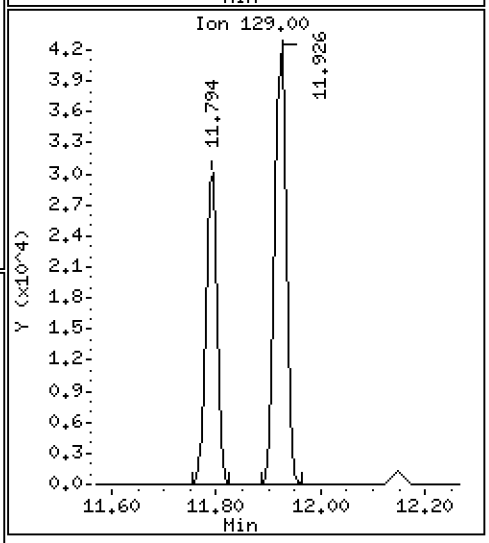
29 4-Chloroaniline

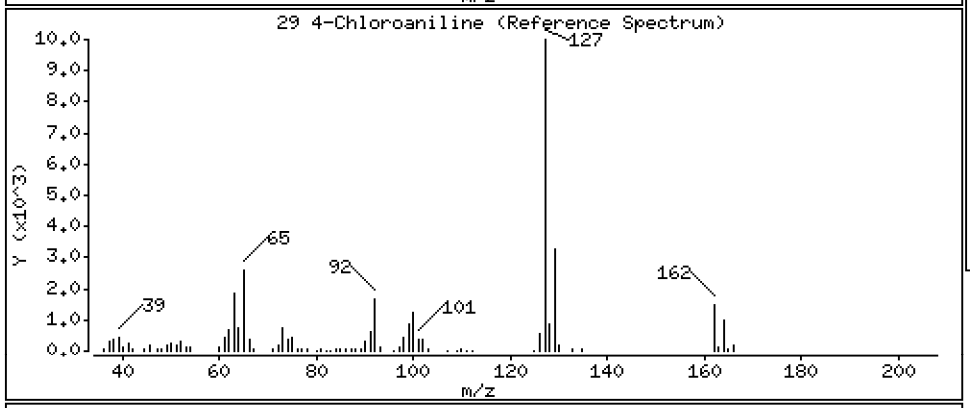
Concentration: 5.258 ug/mL

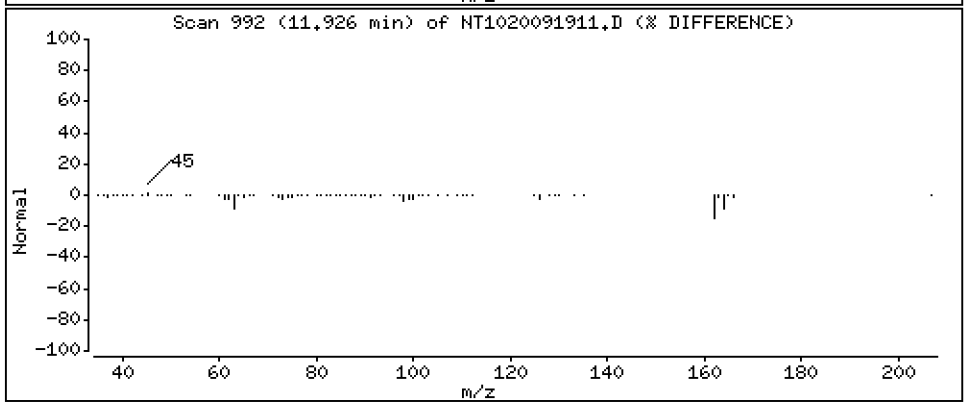












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

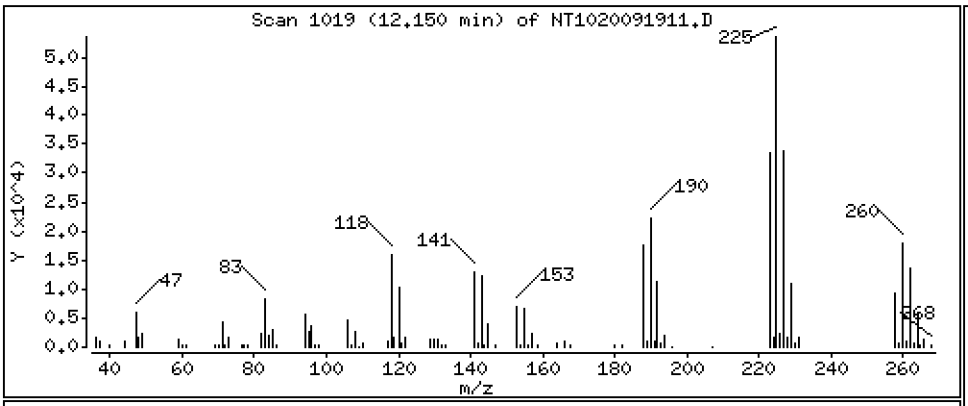
Operator: VTS

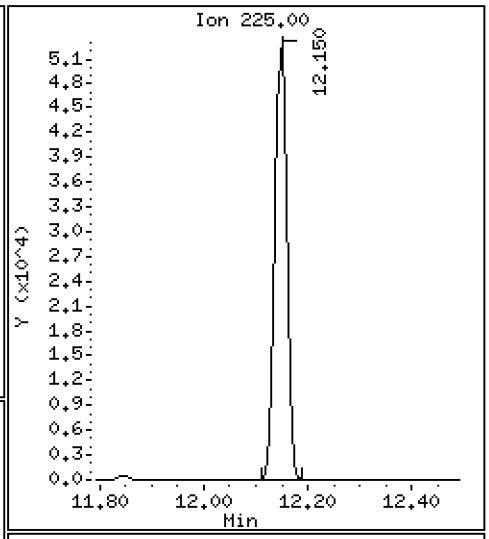
Column phase: ZB-5msi

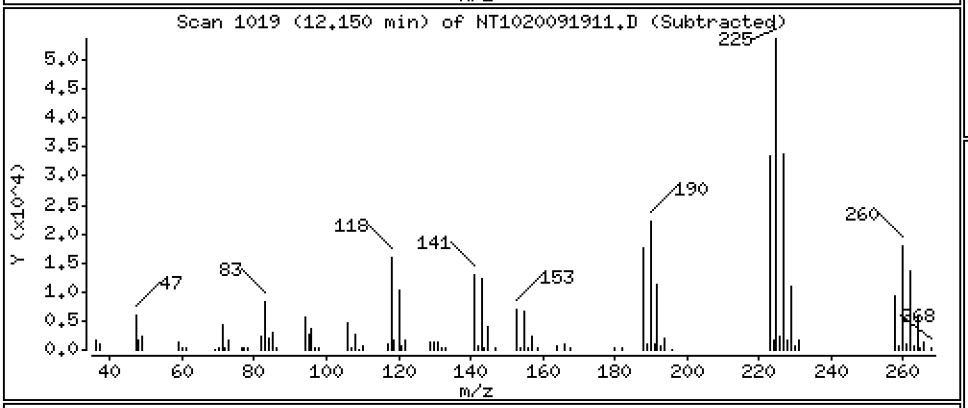
Column diameter: 0.25

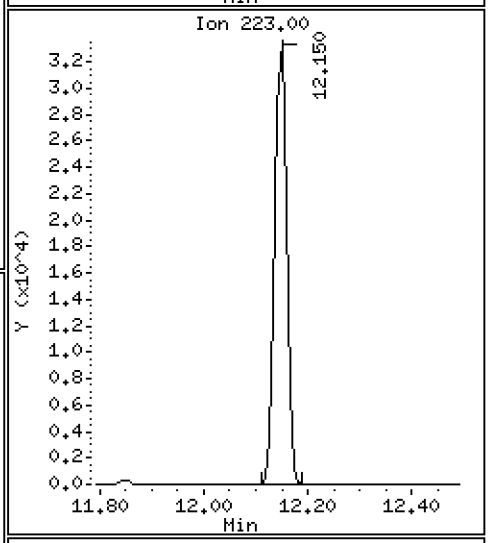
30 Hexachlorobutadiene

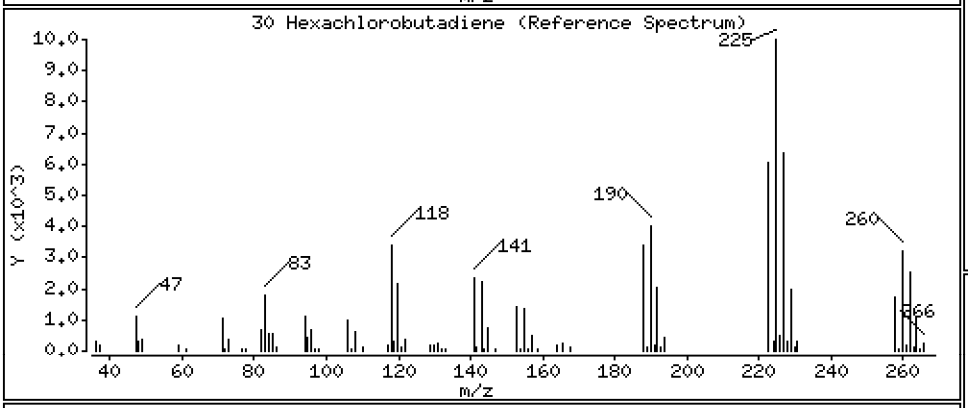
Concentration: 4.793 ug/mL

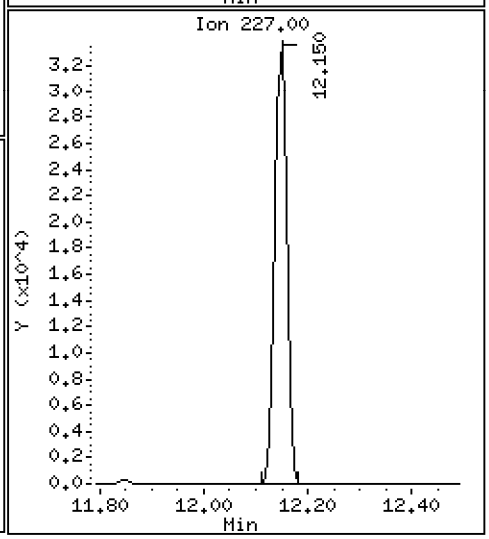


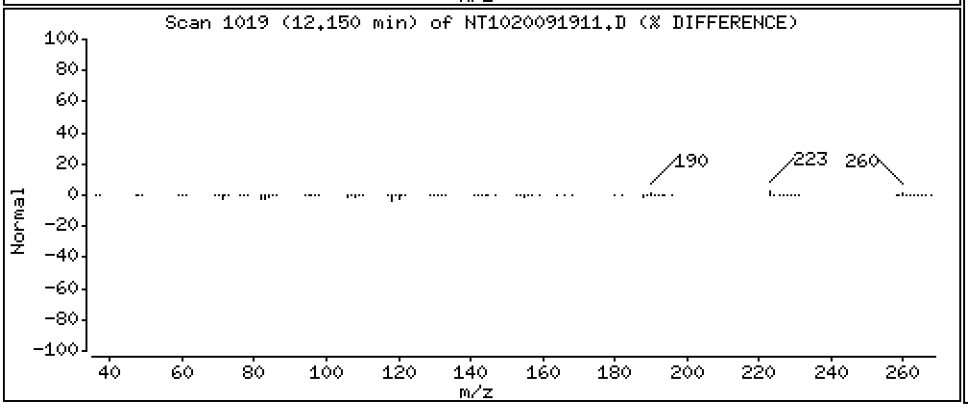












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

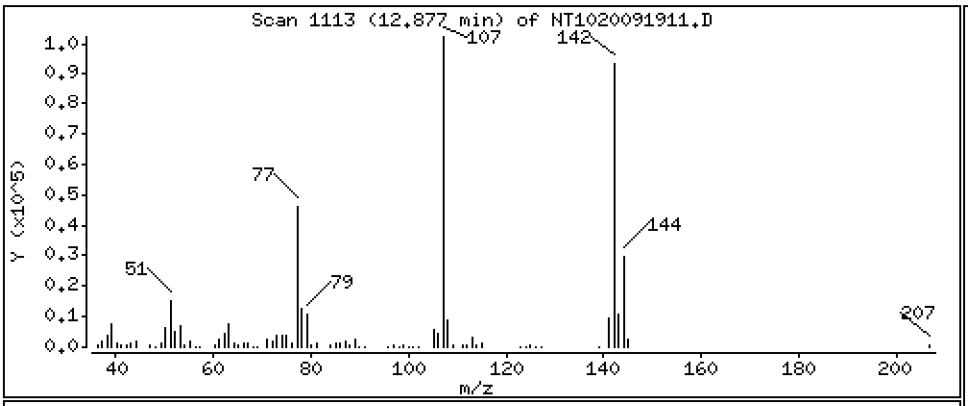
Operator: VTS

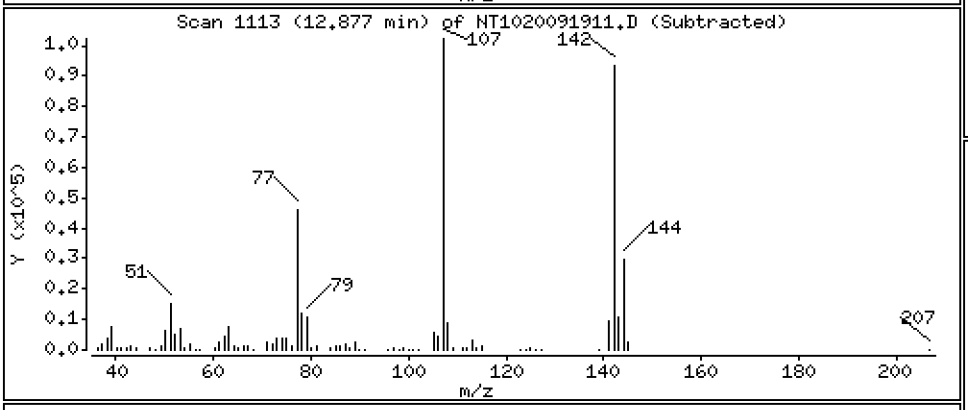
Column phase: ZB-5msi

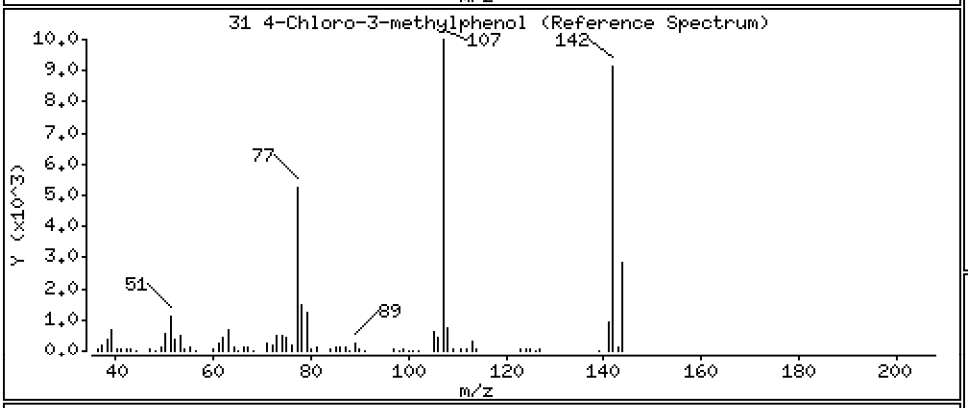
Column diameter: 0.25

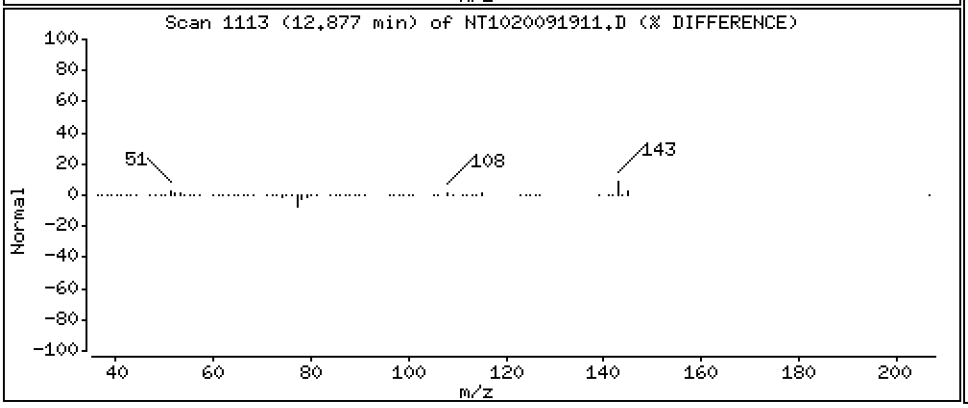
31 4-Chloro-3-methylphenol

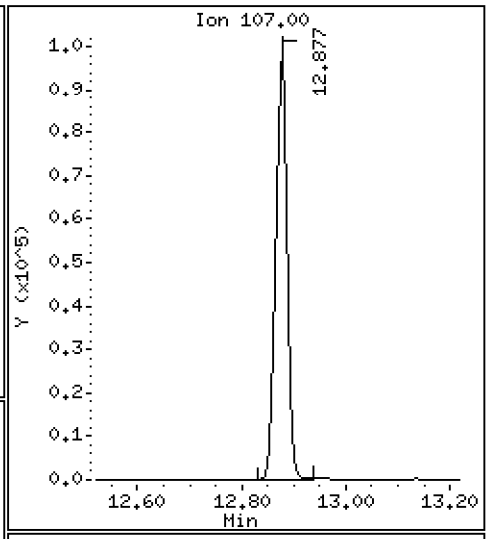
Concentration: 4.870 ug/mL

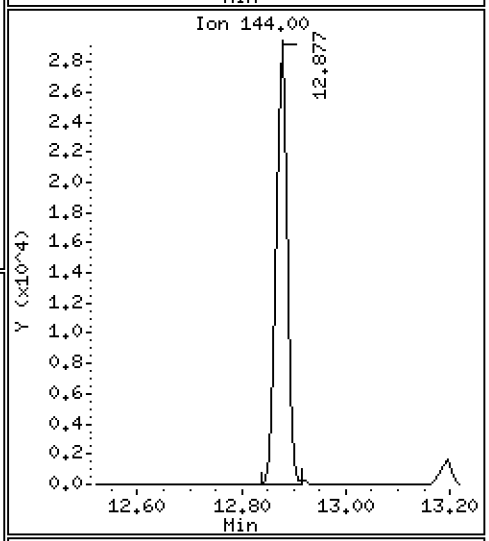


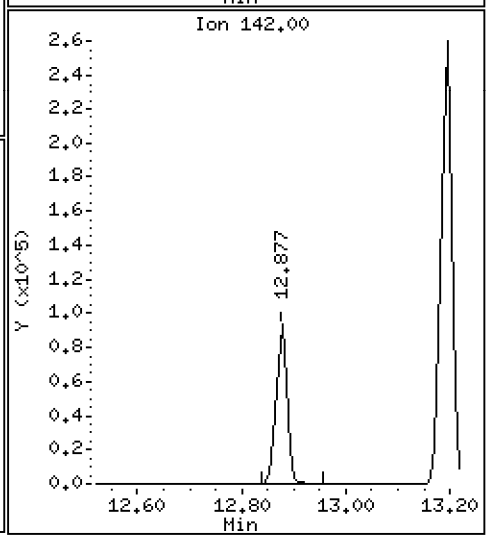












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

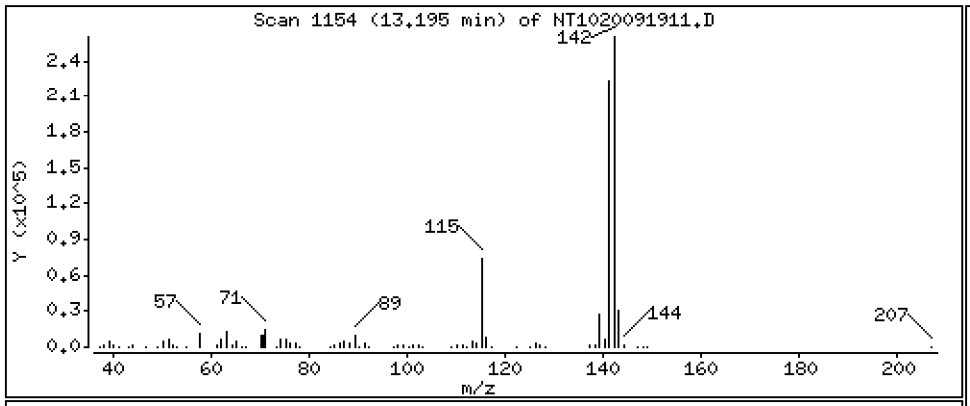
Operator: VTS

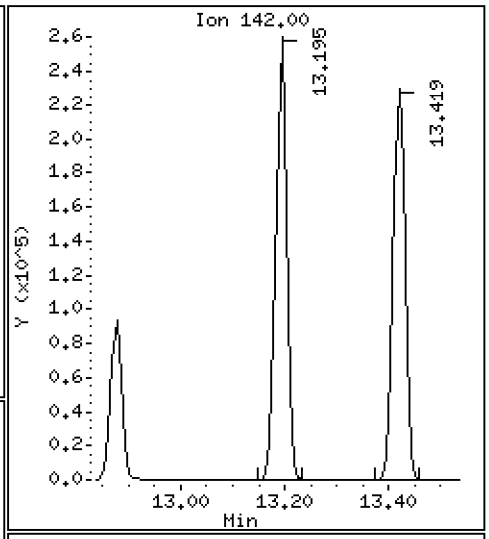
Column phase: ZB-5msi

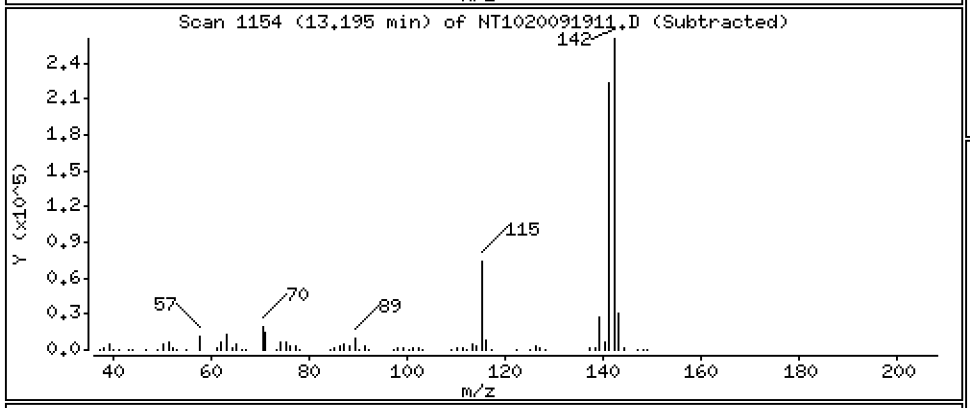
Column diameter: 0.25

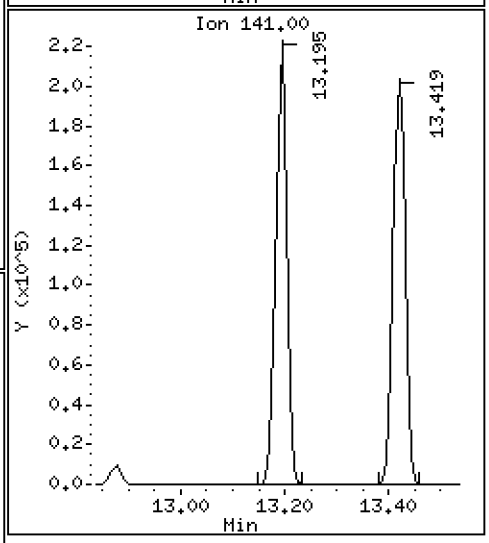
32 2-Methylnaphthalene

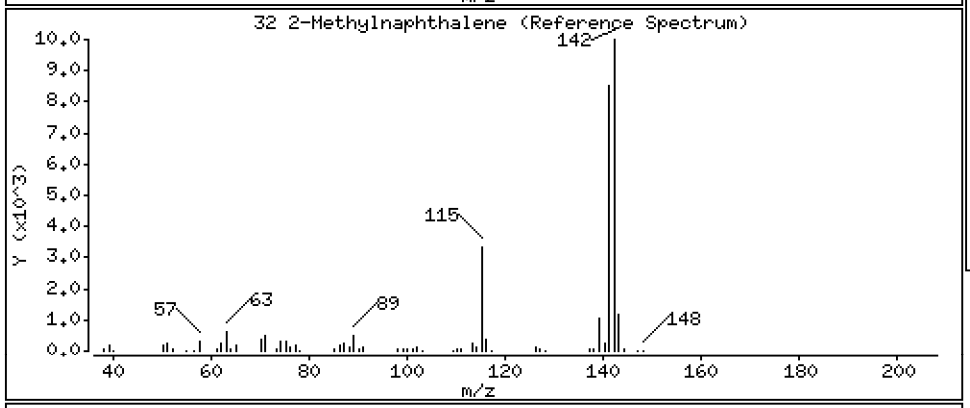
Concentration: 5.083 ug/mL

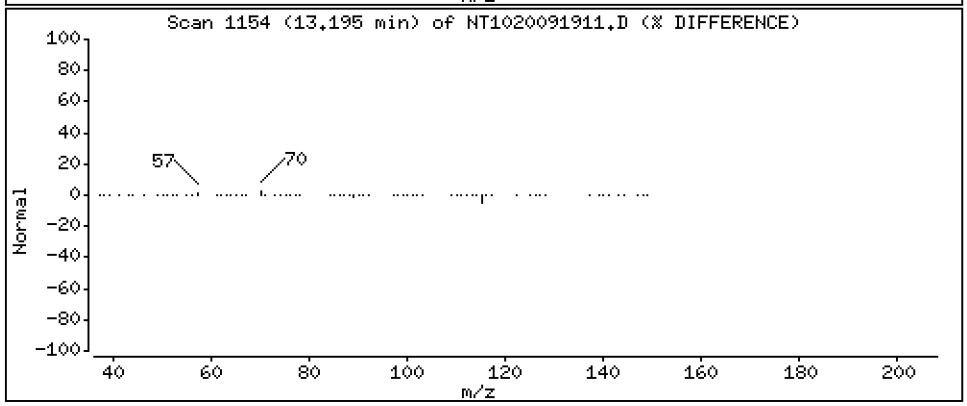












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

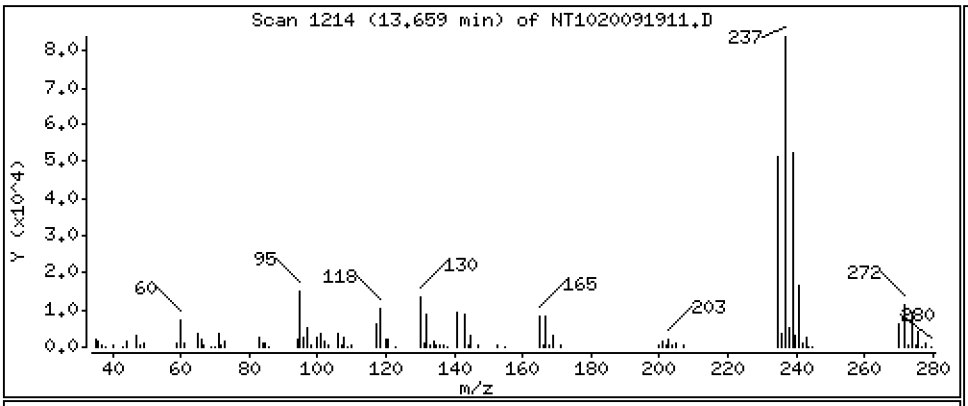
Operator: VTS

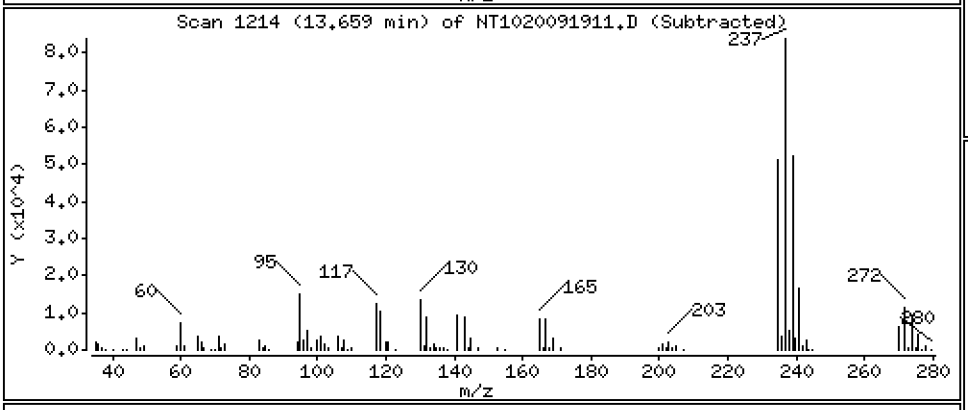
Column phase: ZB-5msi

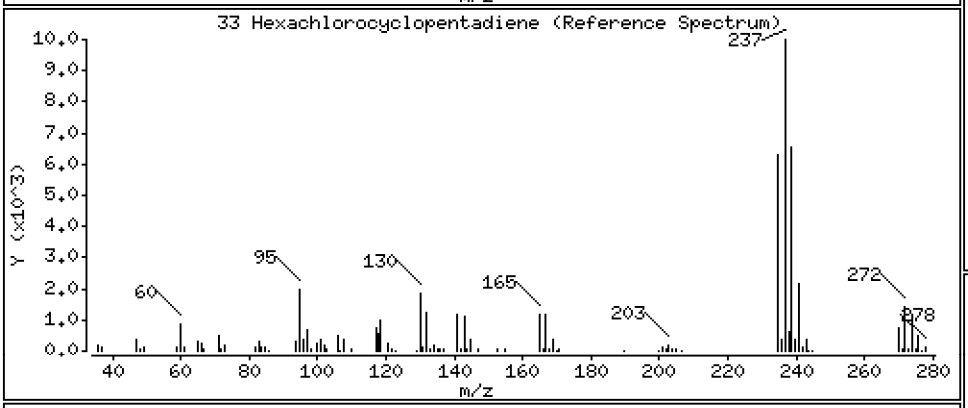
Column diameter: 0.25

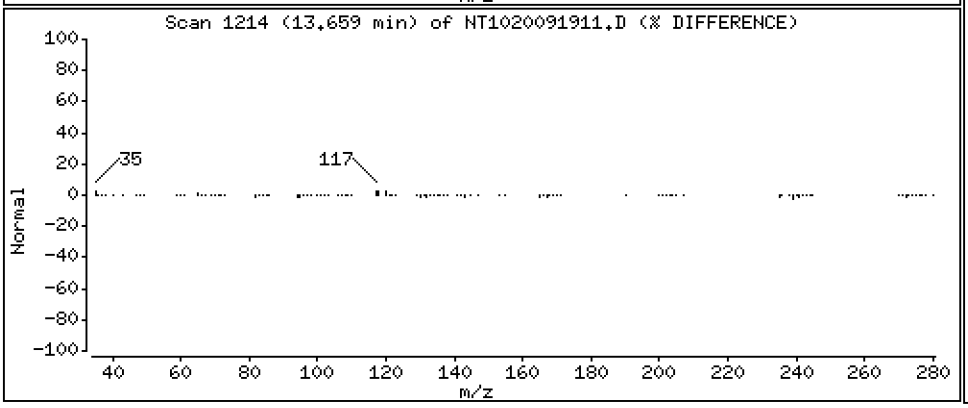
33 Hexachlorocyclopentadiene

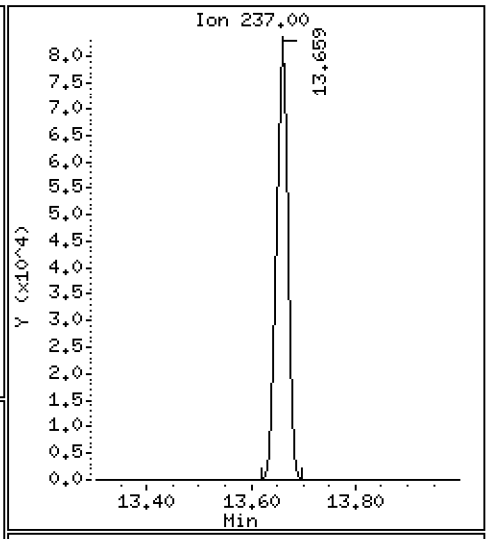
Concentration: 5.514 ug/mL

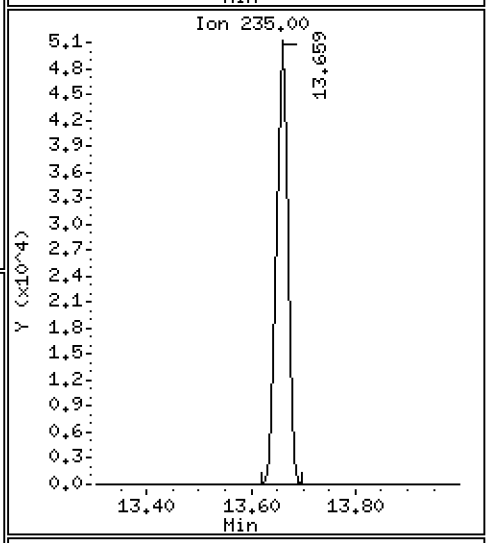


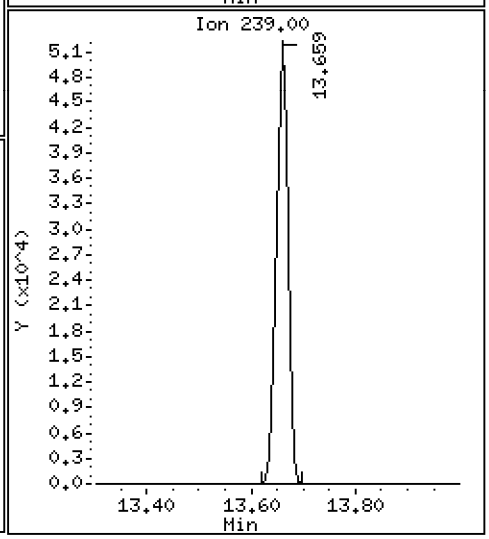












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

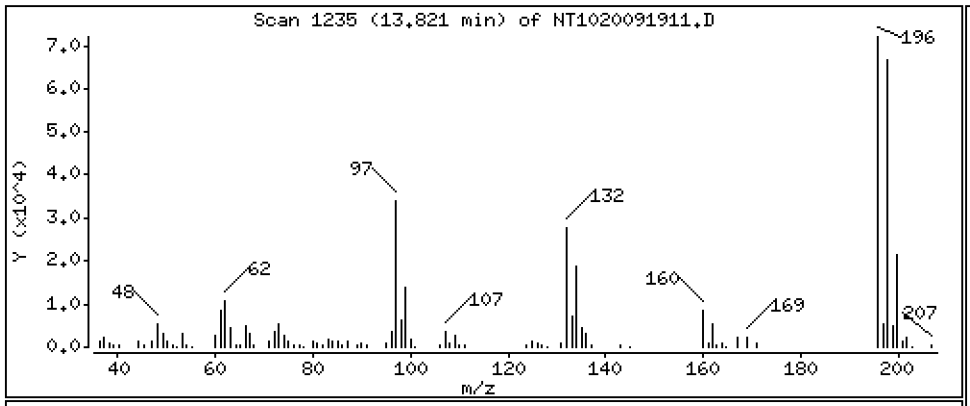
Client ID: Instrument: nt10.i

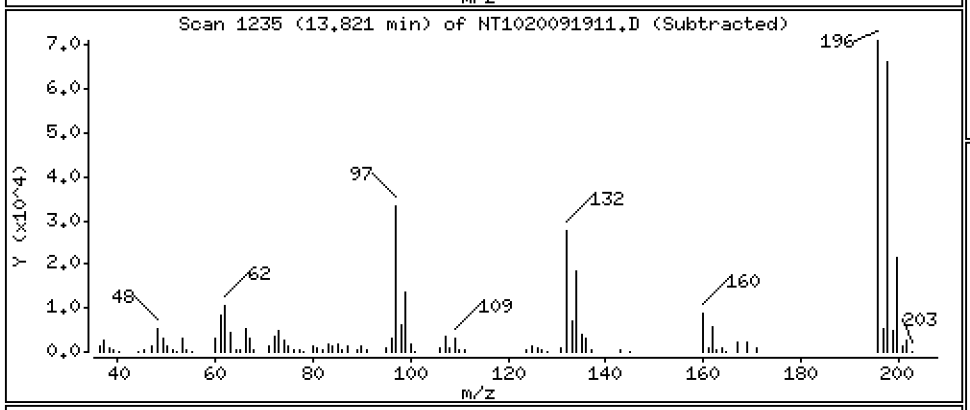
Sample Info: SII0276-SCV1

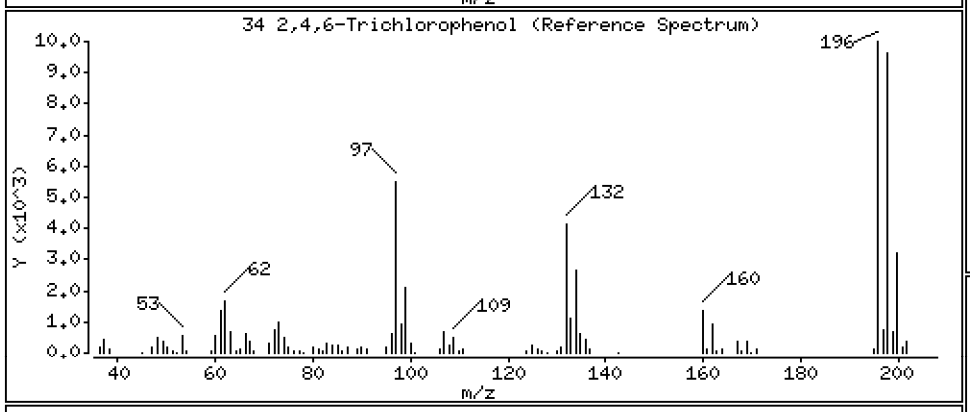
Operator: VTS

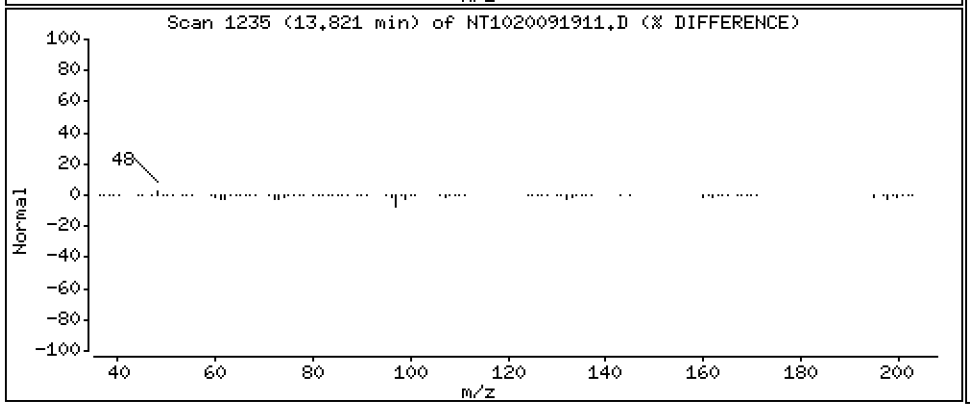
Column phase: ZB-5msi Column diameter: 0.25

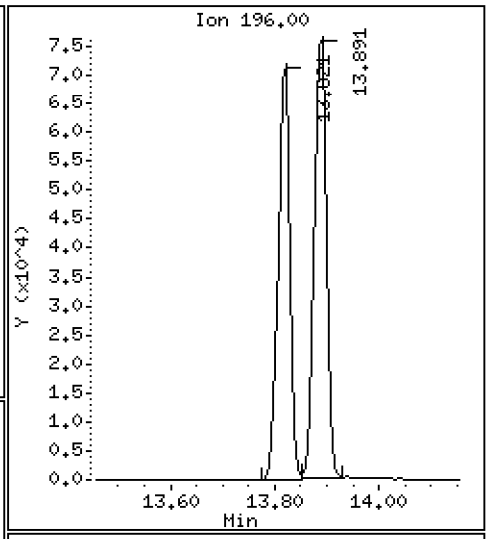
34 2,4,6-Trichlorophenol Concentration: 4.978 ug/mL

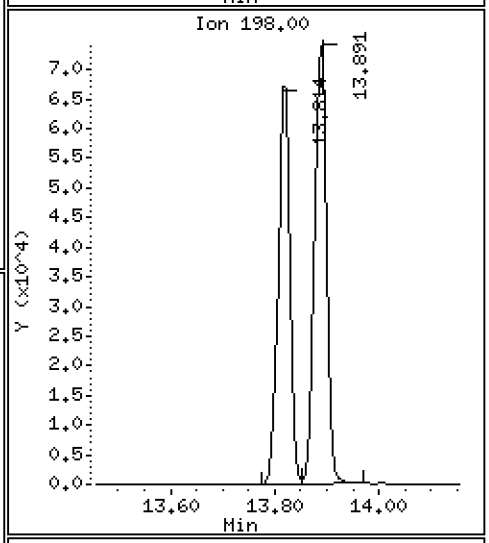


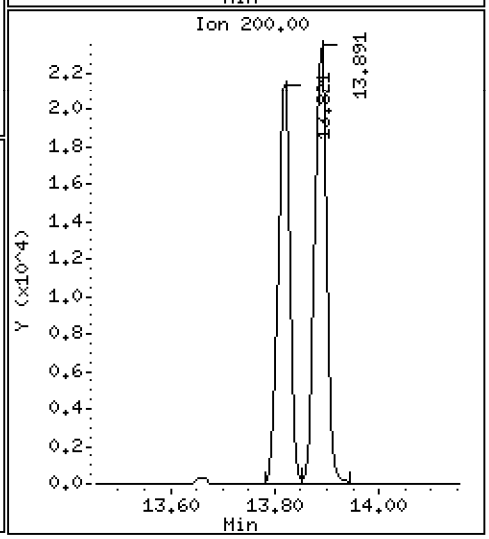












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

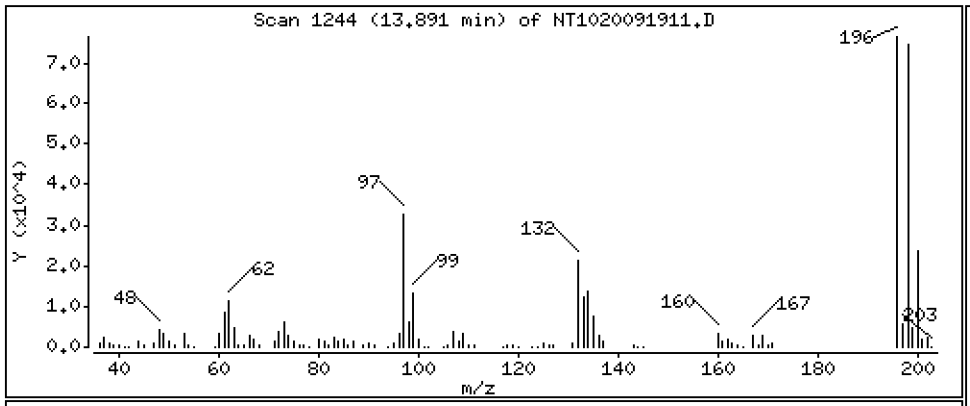
Operator: VTS

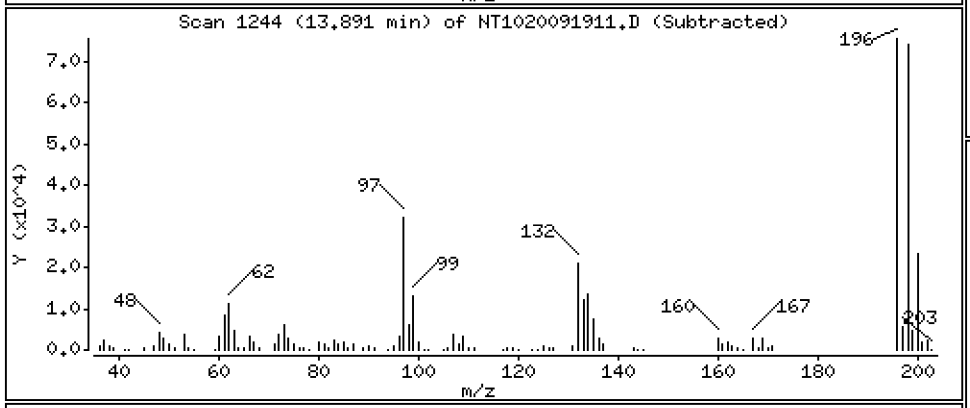
Column phase: ZB-5msi

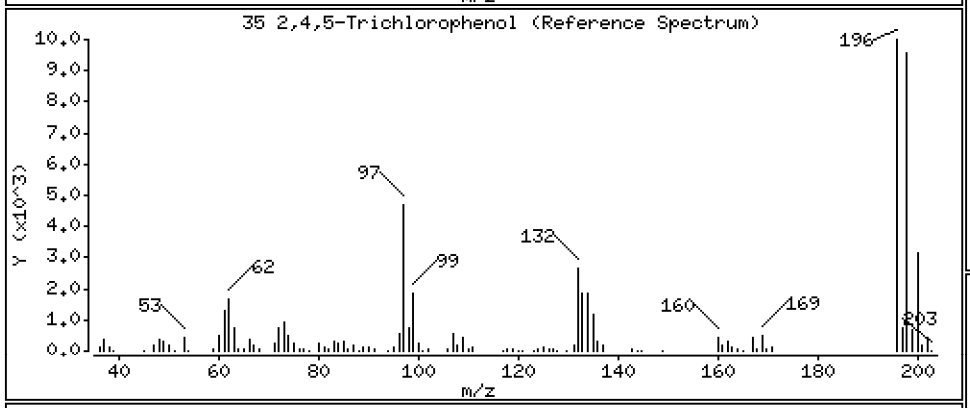
Column diameter: 0.25

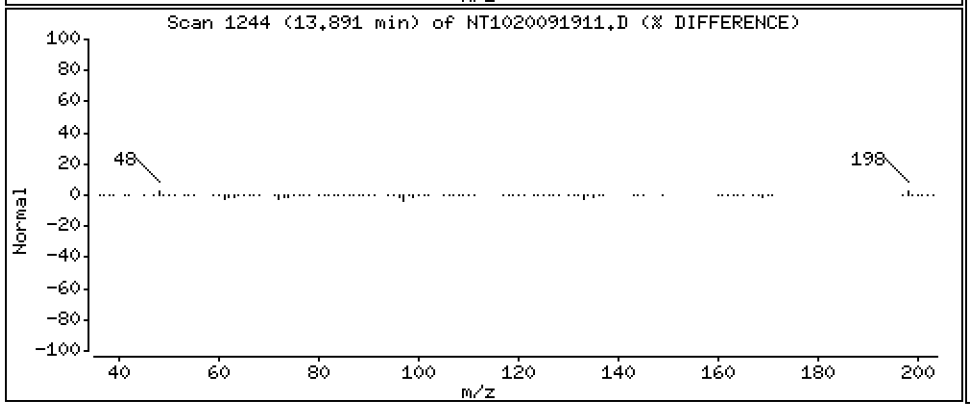
35 2,4,5-Trichlorophenol

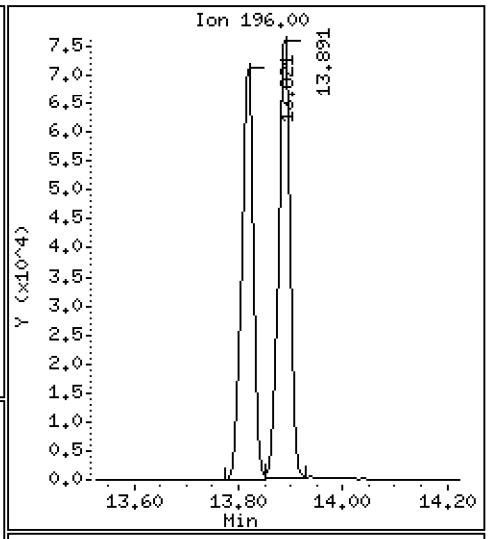
Concentration: 4.830 ug/mL

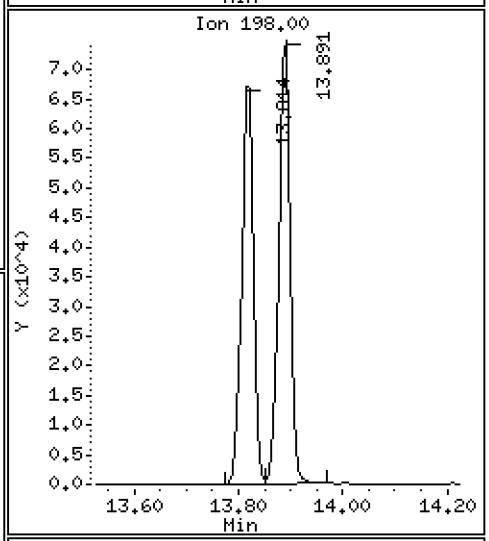


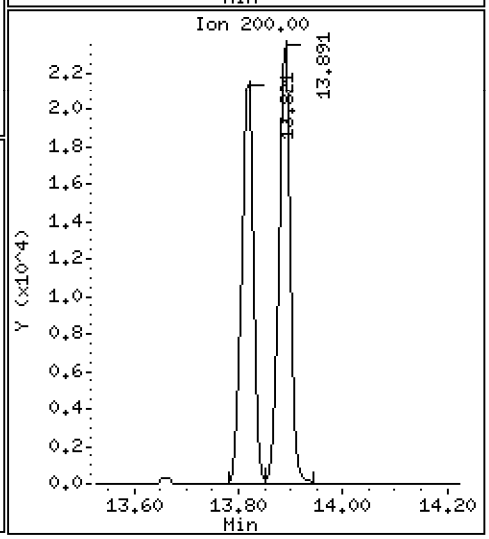












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

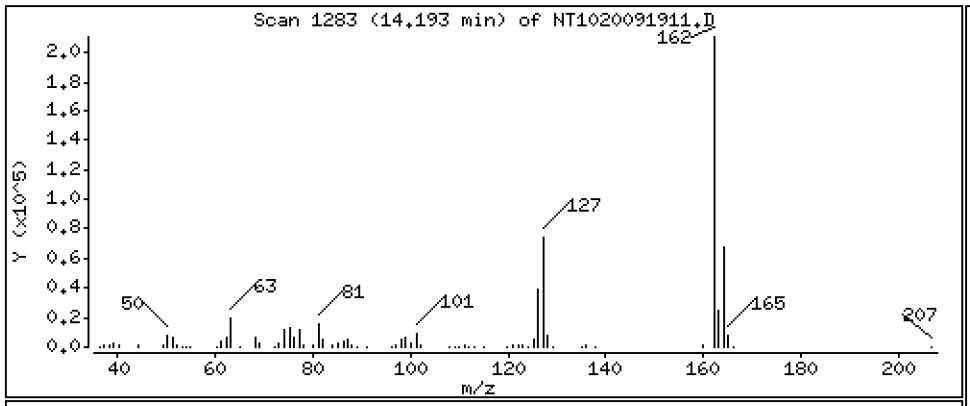
Operator: VTS

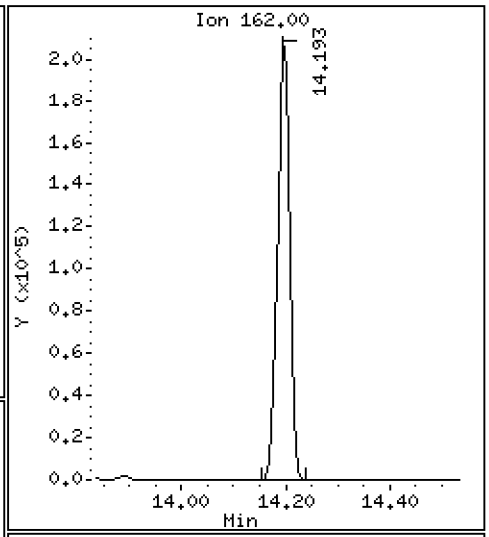
Column phase: ZB-5msi

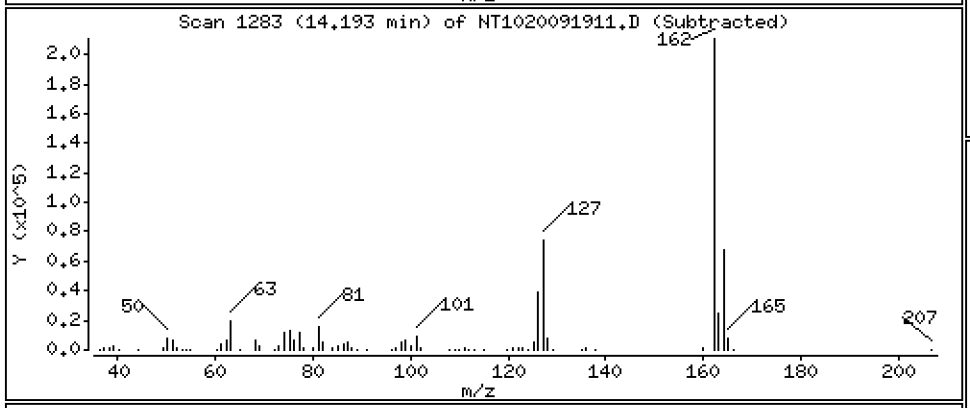
Column diameter: 0.25

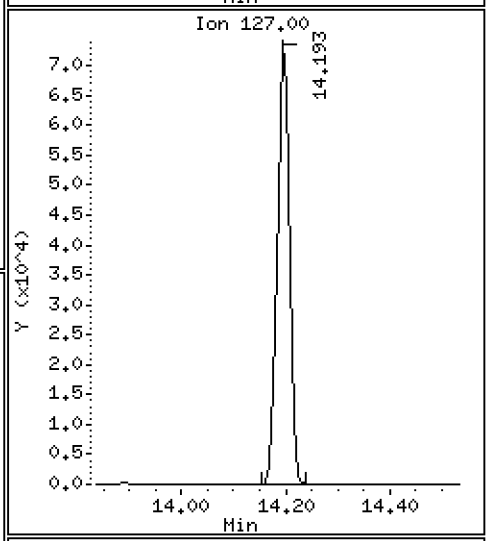
37 2-Chloronaphthalene

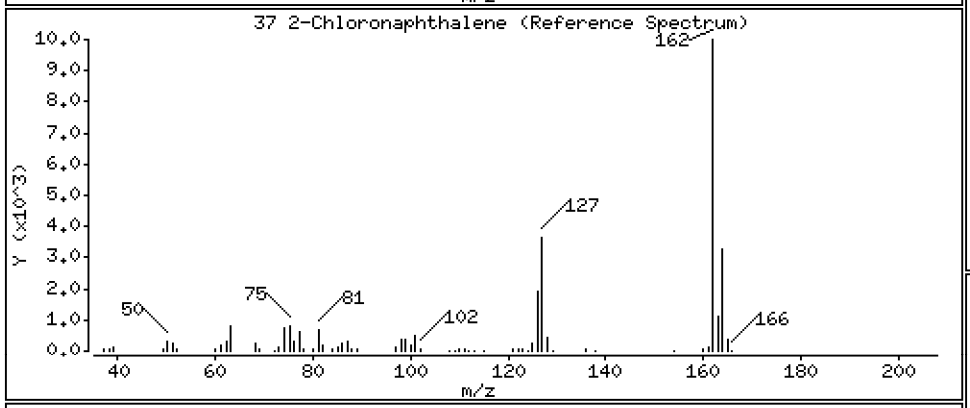
Concentration: 4.772 ug/mL

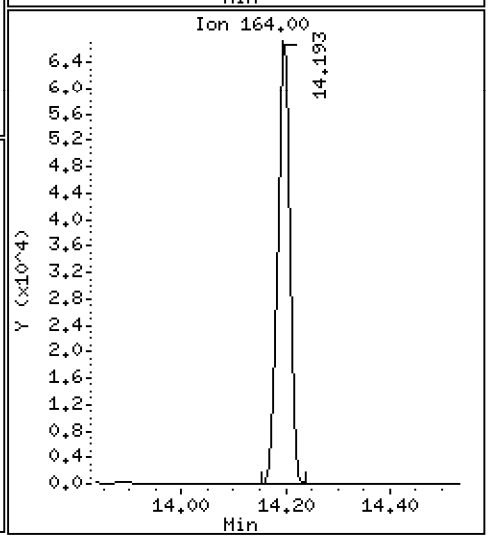


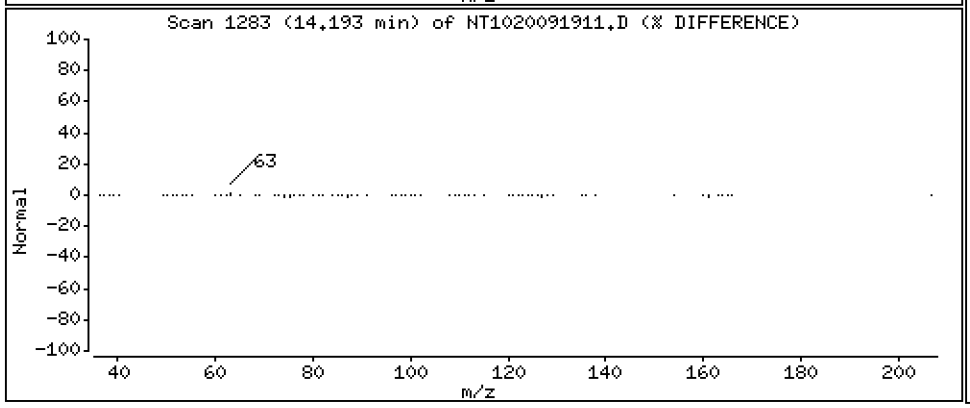












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

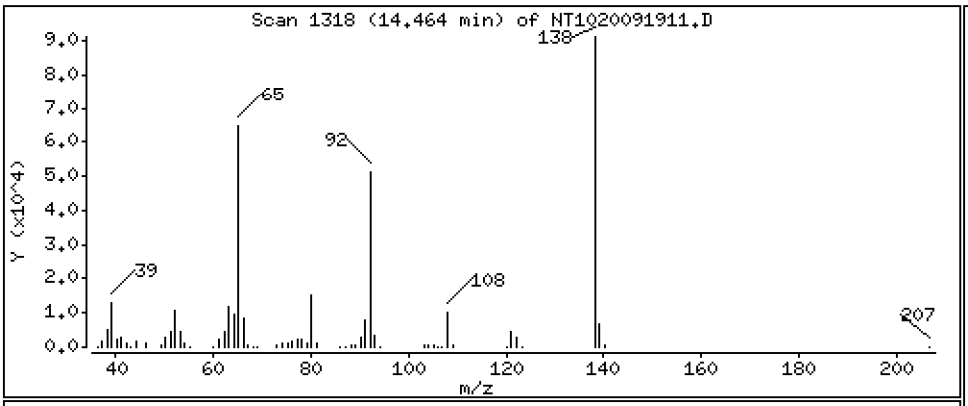
Operator: VTS

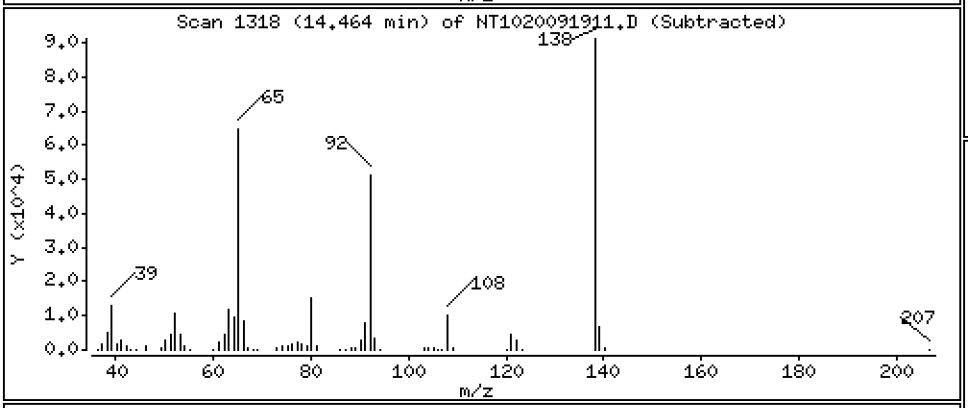
Column phase: ZB-5msi

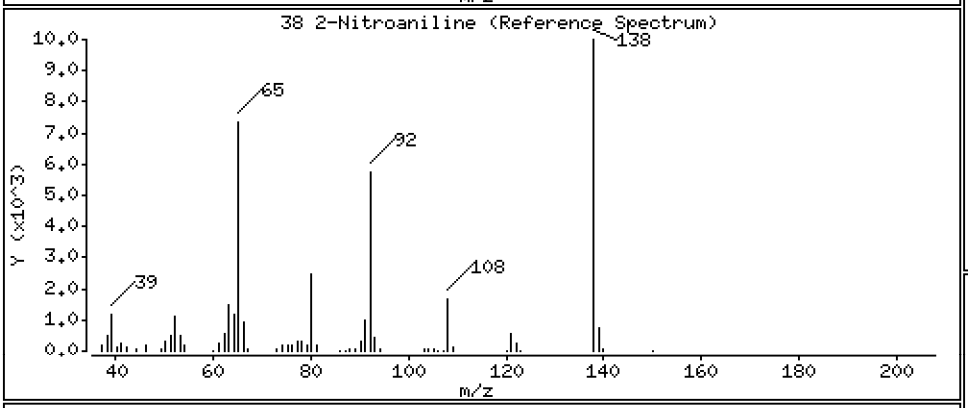
Column diameter: 0.25

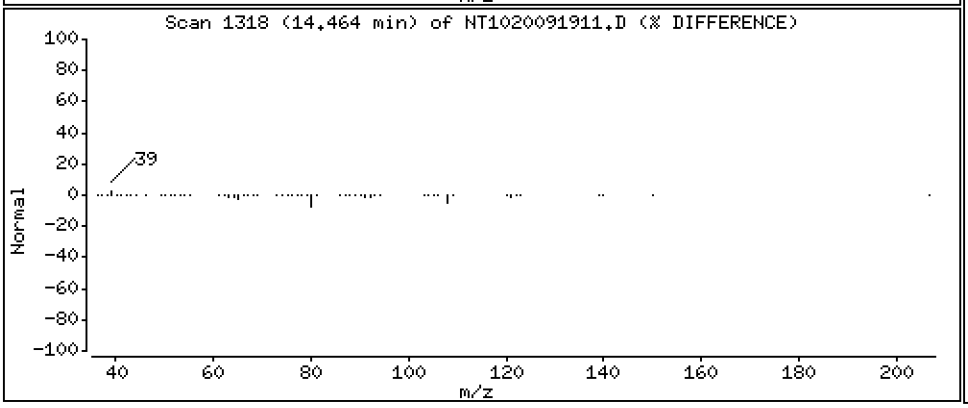
38 2-Nitroaniline

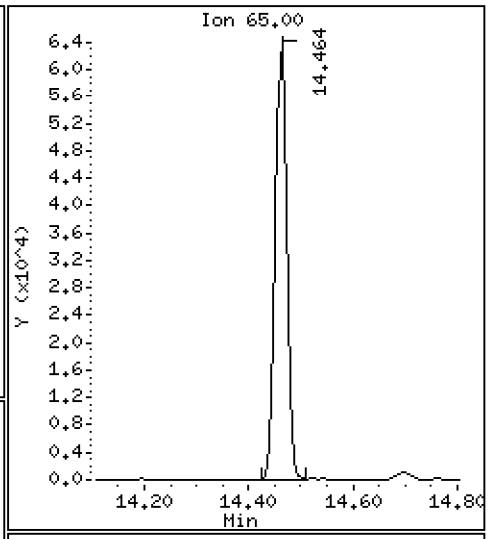
Concentration: 5.041 ug/mL

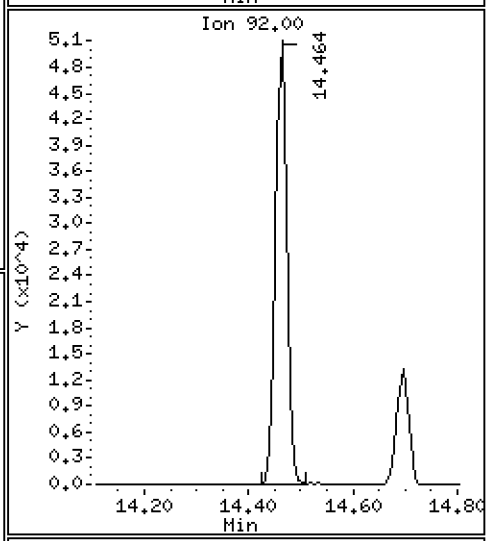


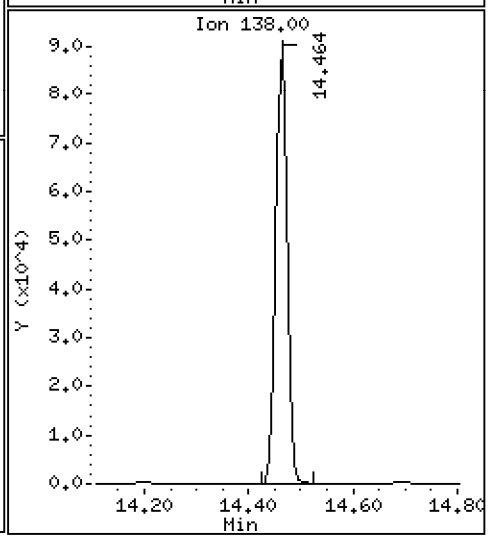












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

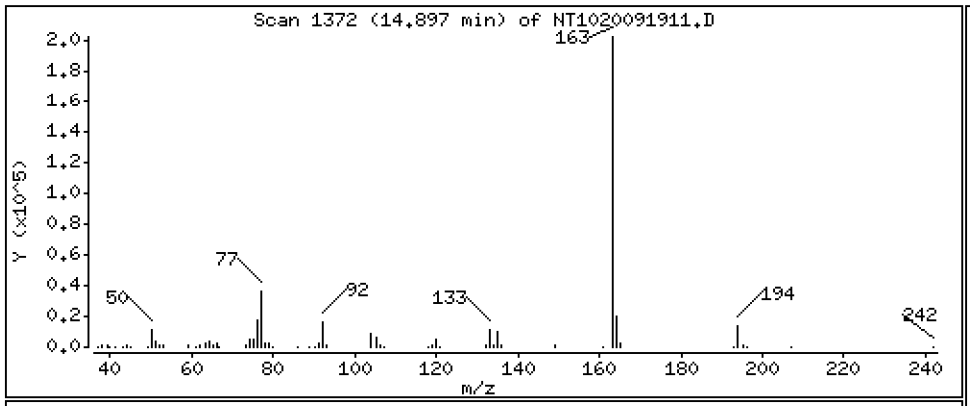
Operator: VTS

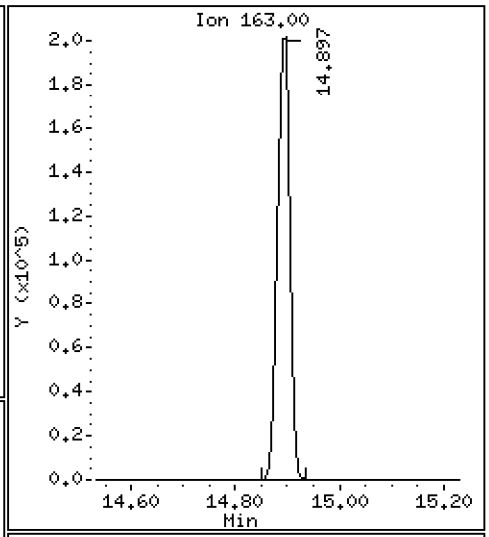
Column phase: ZB-5msi

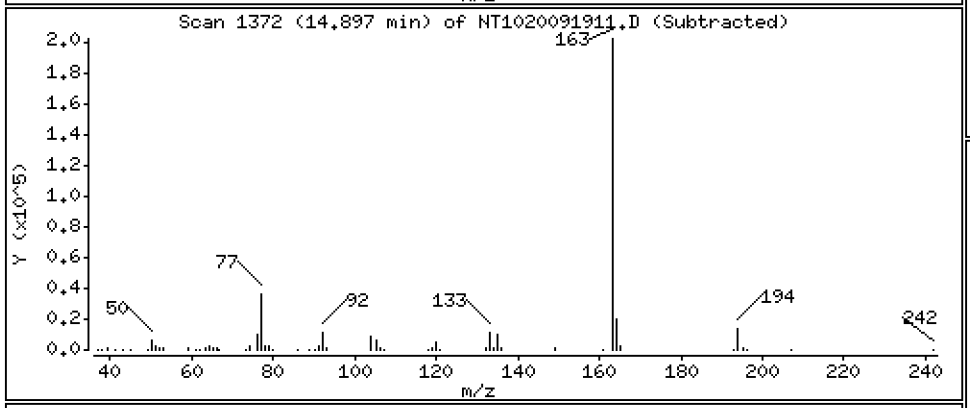
Column diameter: 0.25

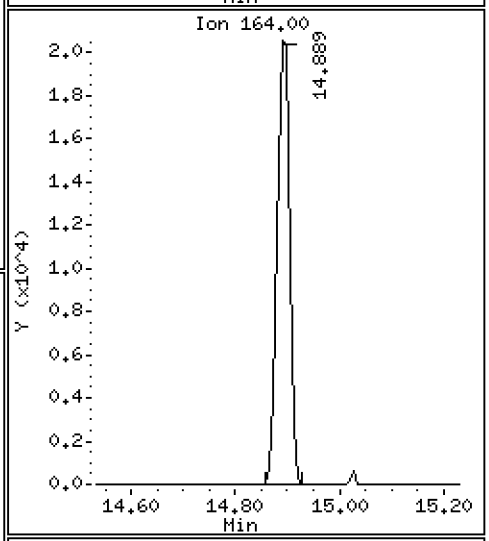
39 Dimethylphthalate

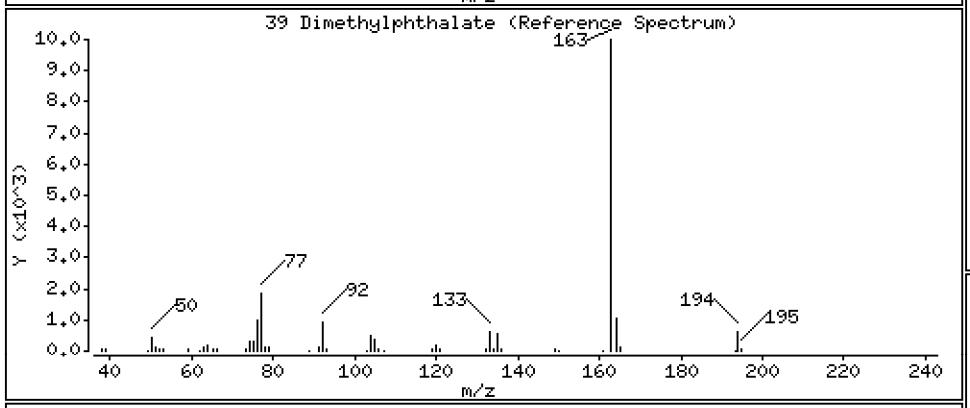
Concentration: 4.685 ug/mL

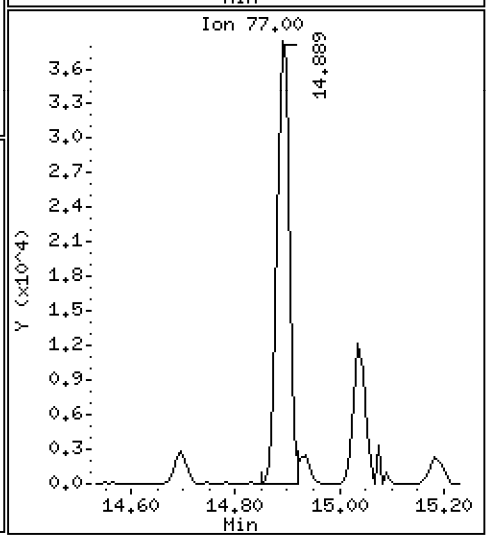


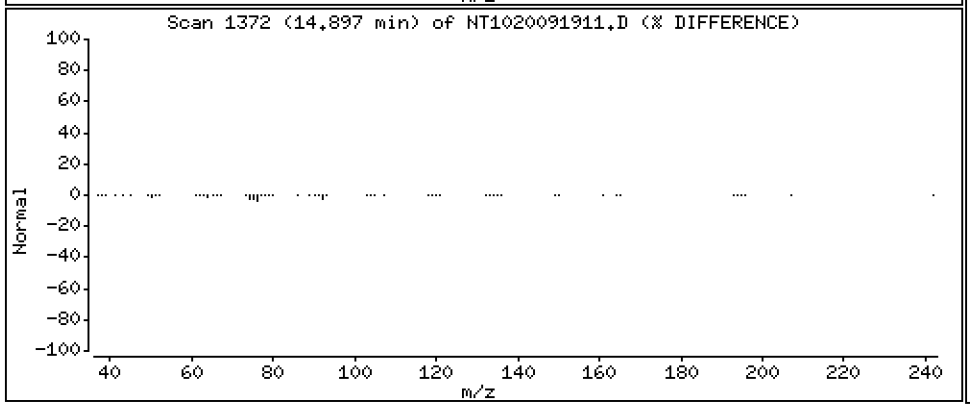












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

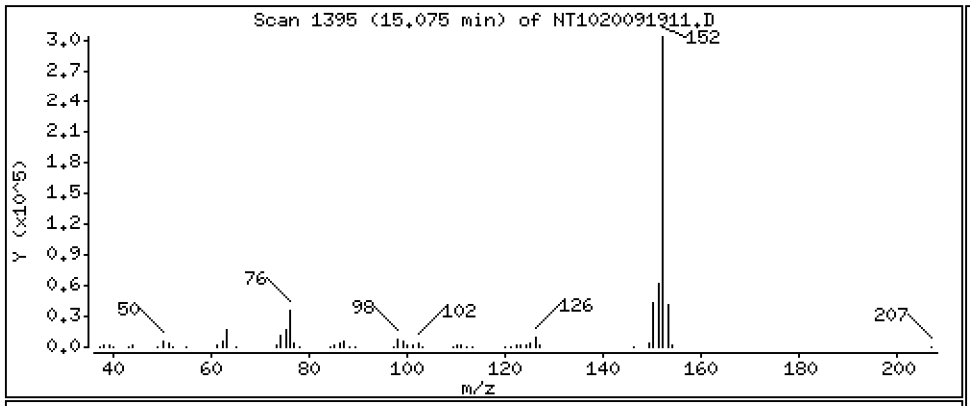
Operator: VTS

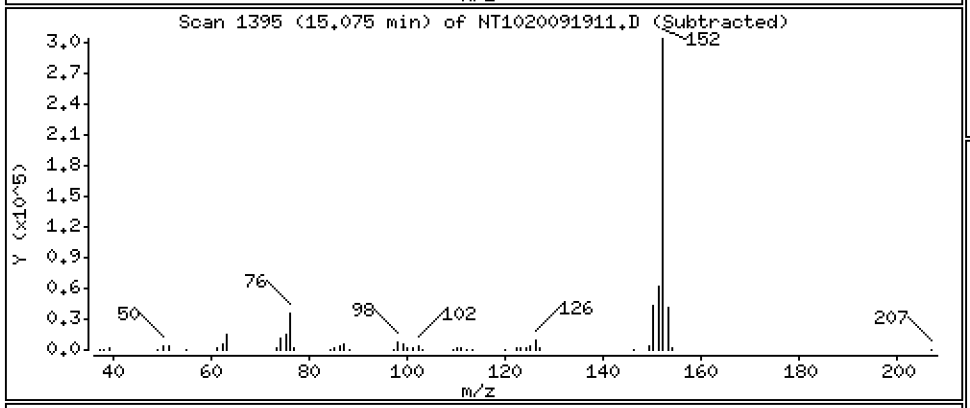
Column phase: ZB-5msi

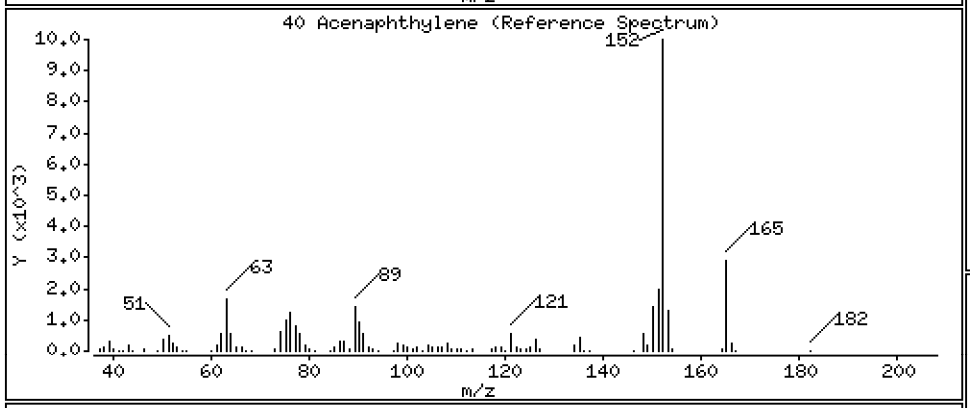
Column diameter: 0.25

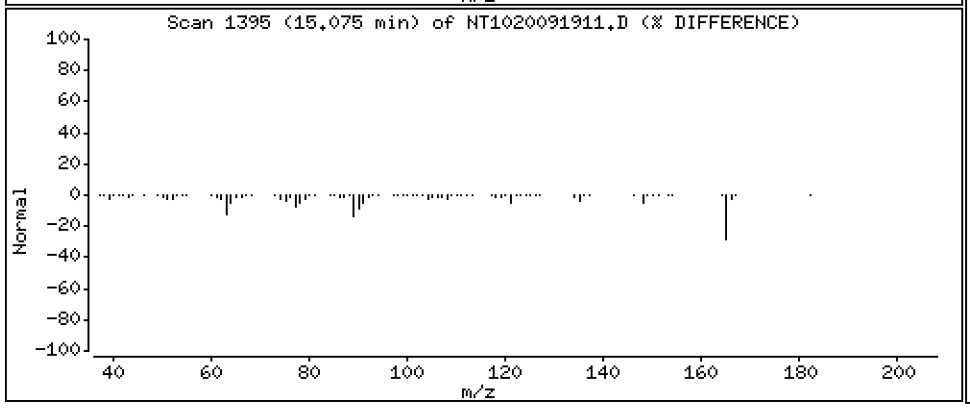
40 Acenaphthylene

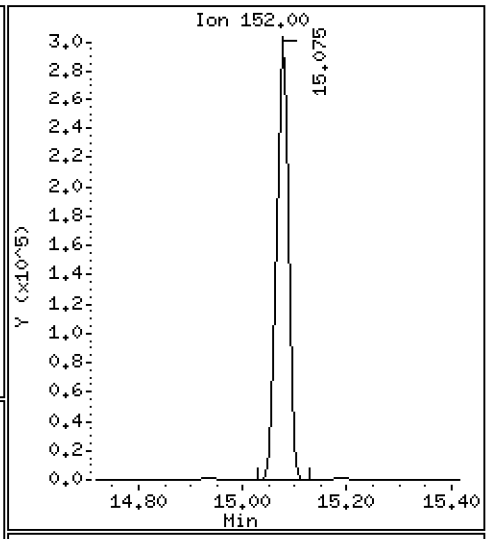
Concentration: 4.602 ug/mL

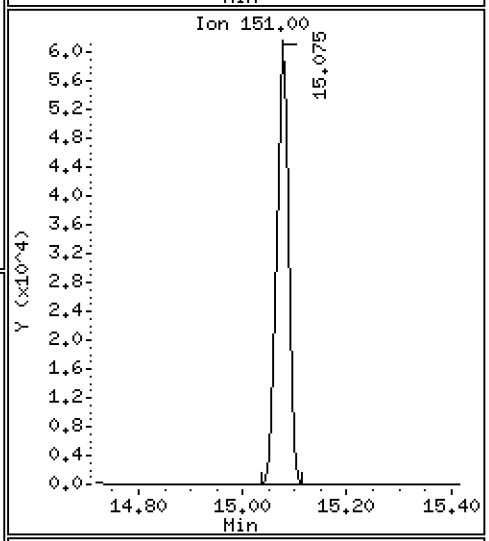


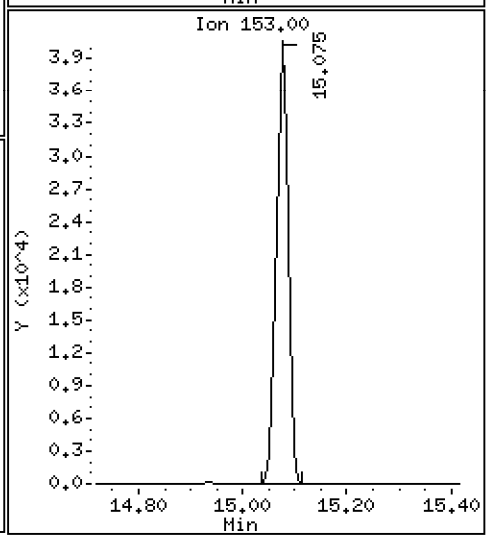












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

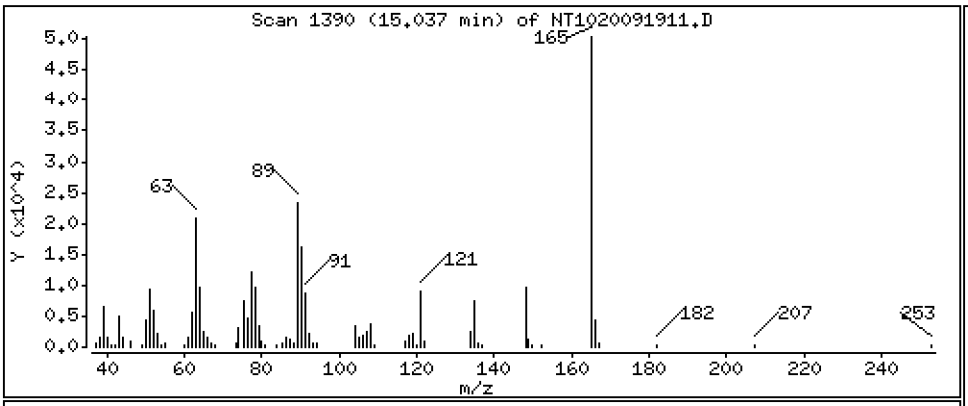
Operator: VTS

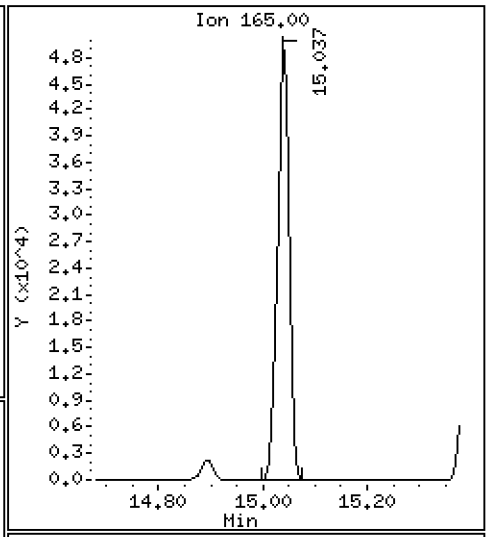
Column phase: ZB-5msi

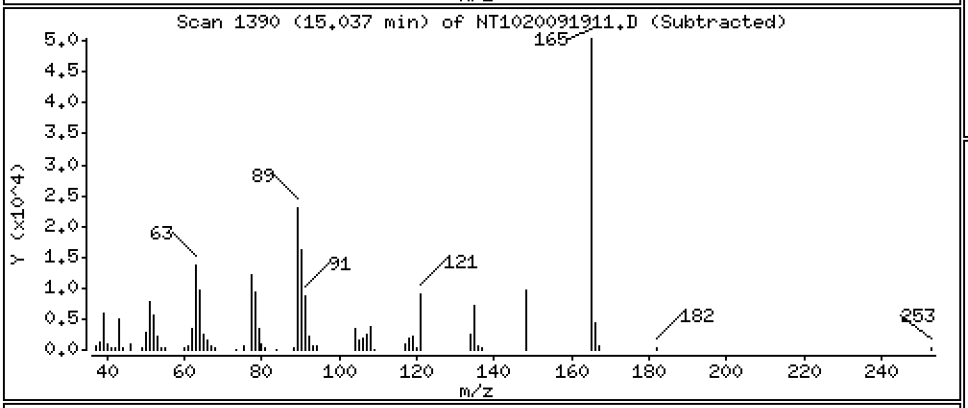
Column diameter: 0.25

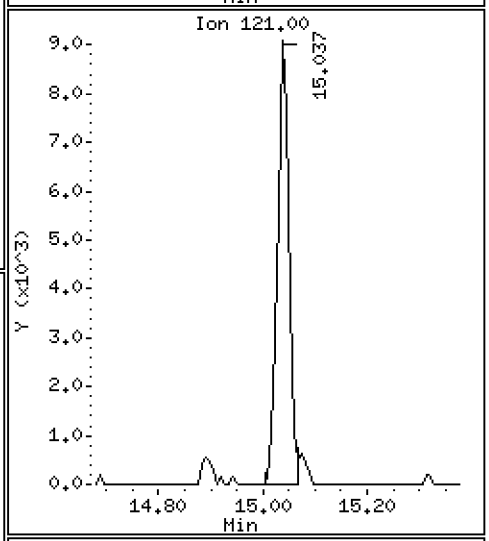
41 2,6-Dinitrotoluene

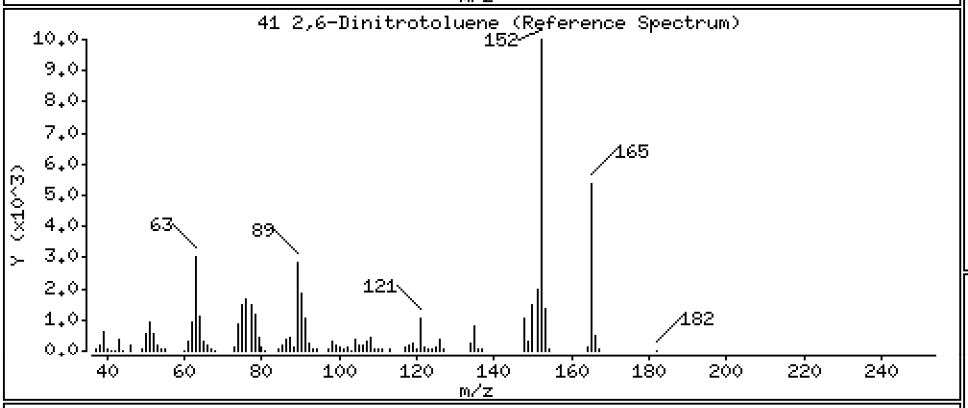
Concentration: 4.894 ug/mL

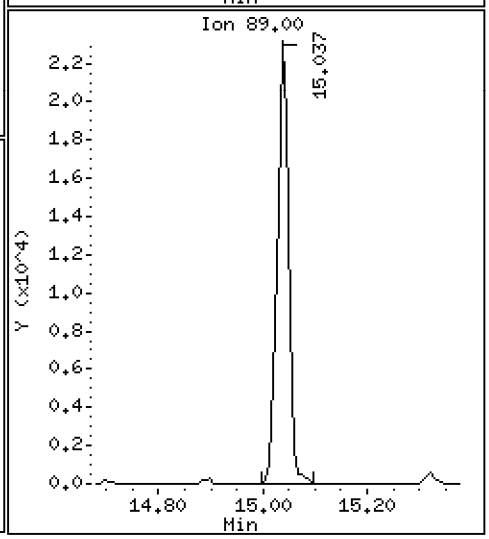


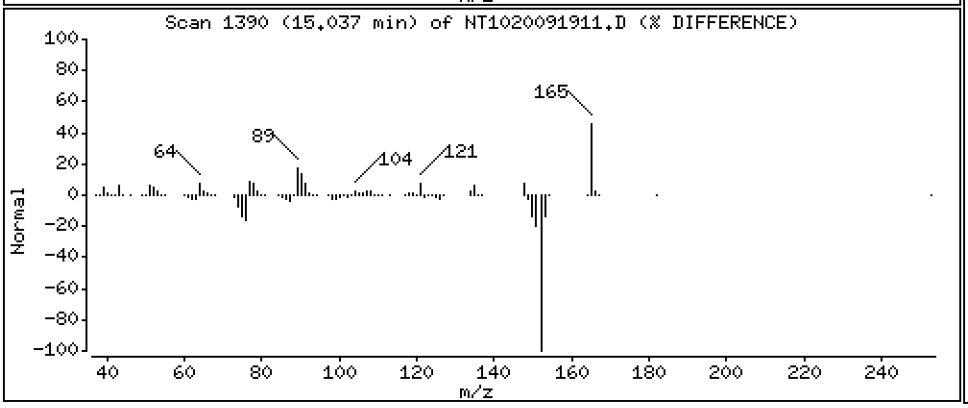












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

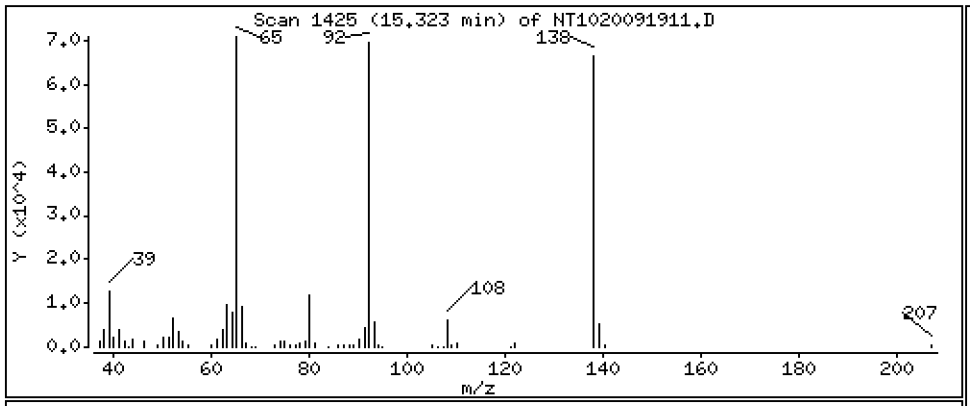
Operator: VTS

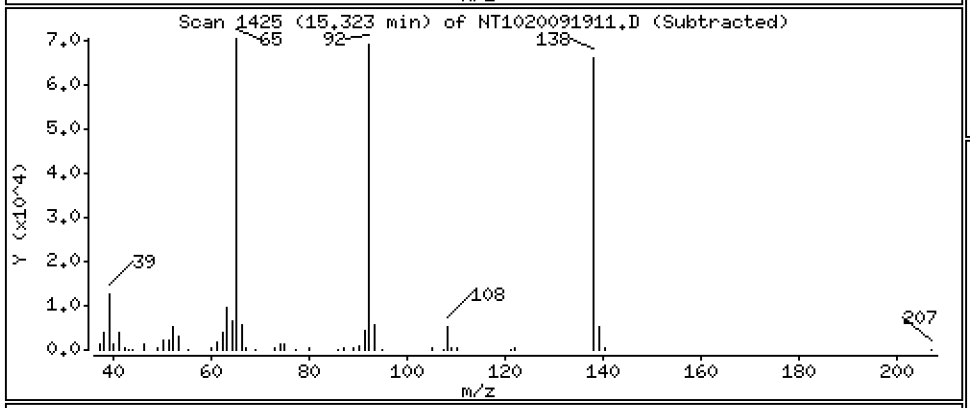
Column phase: ZB-5msi

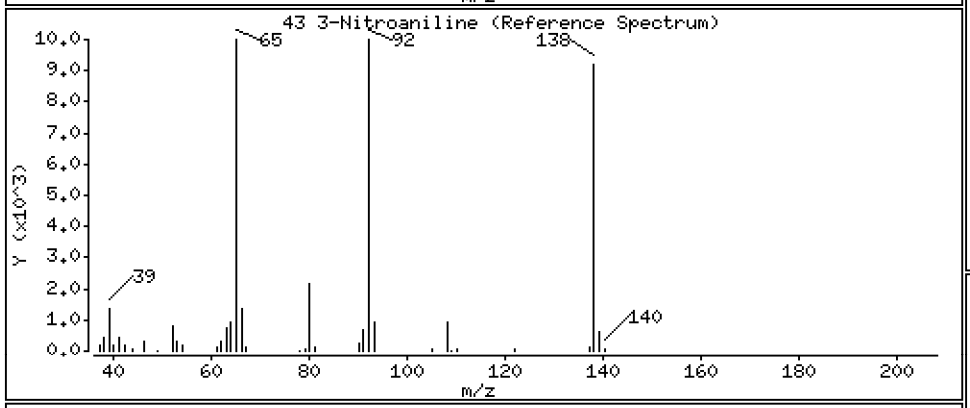
Column diameter: 0.25

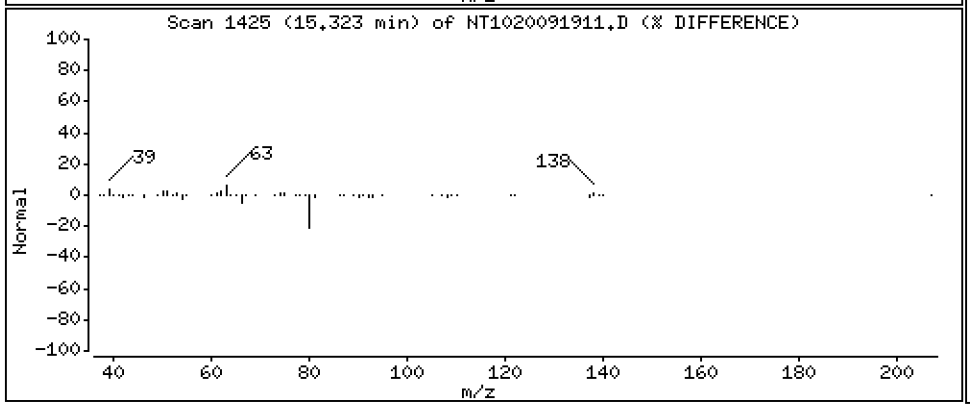
43 3-Nitroaniline

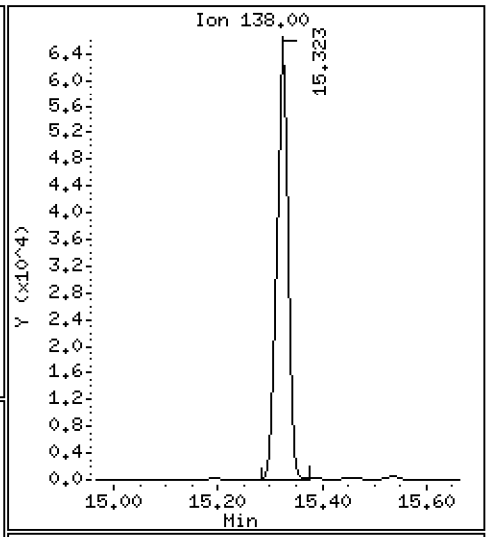
Concentration: 5.305 ug/mL

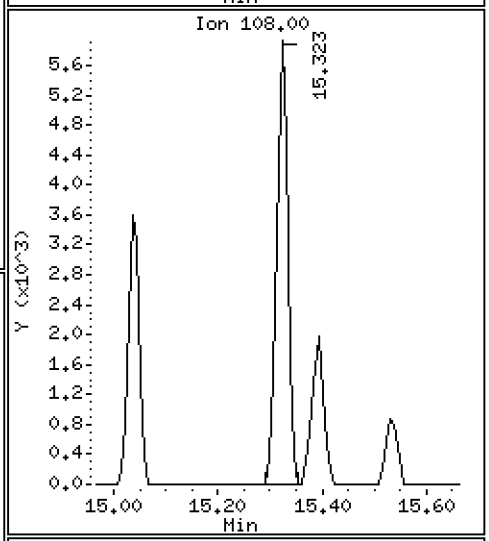


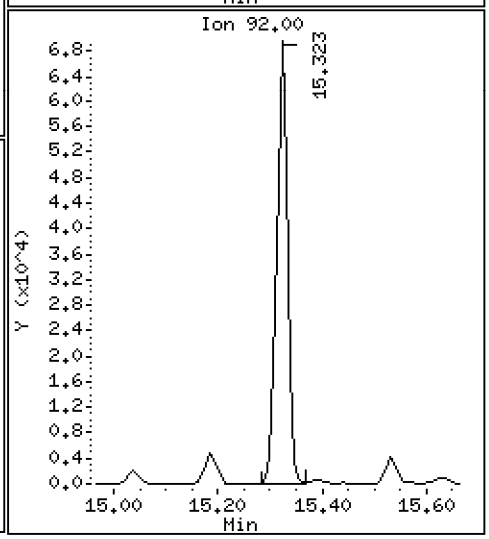












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

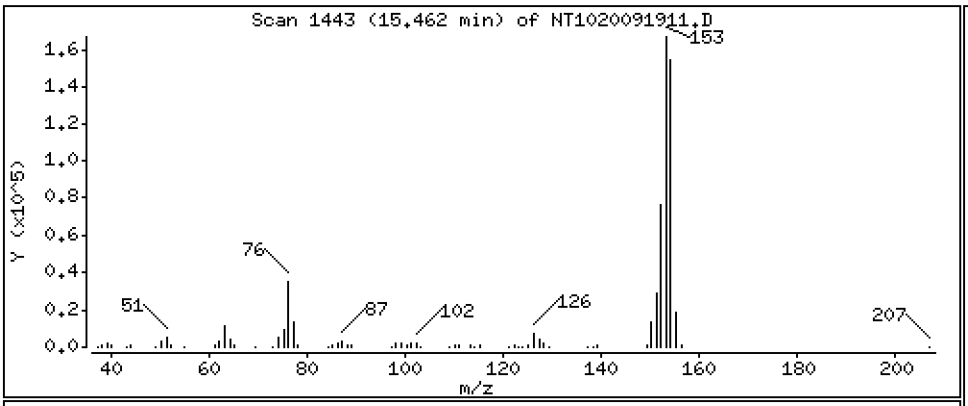
Operator: VTS

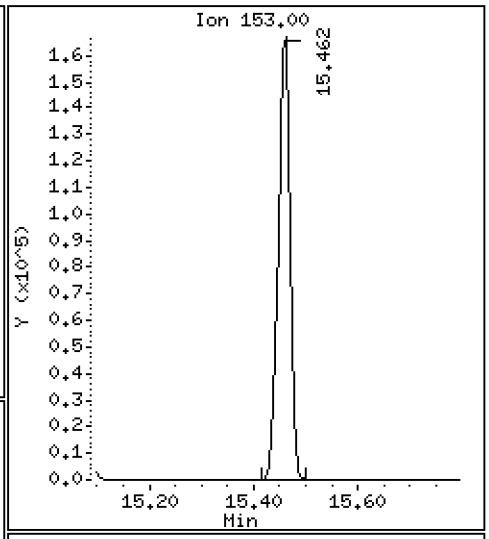
Column phase: ZB-5msi

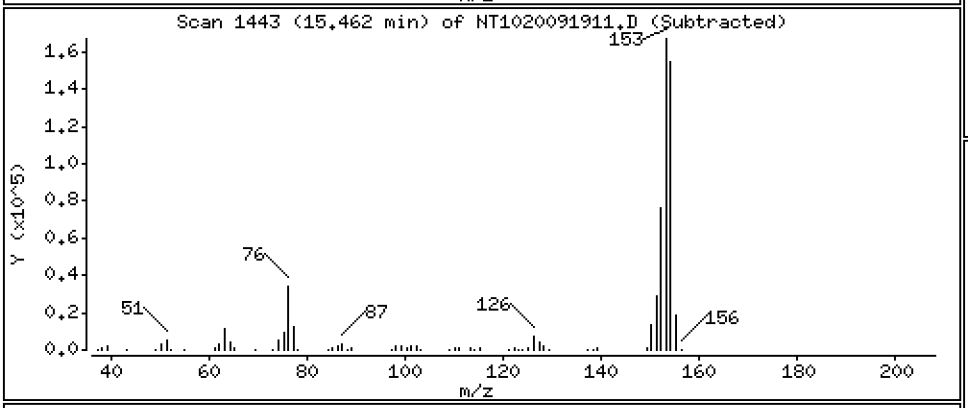
Column diameter: 0.25

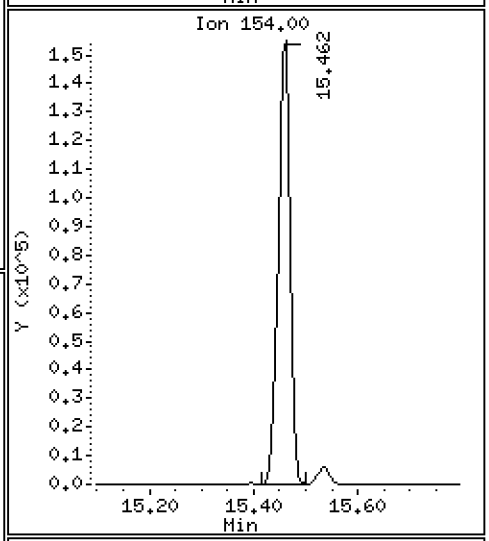
44 Acenaphthene

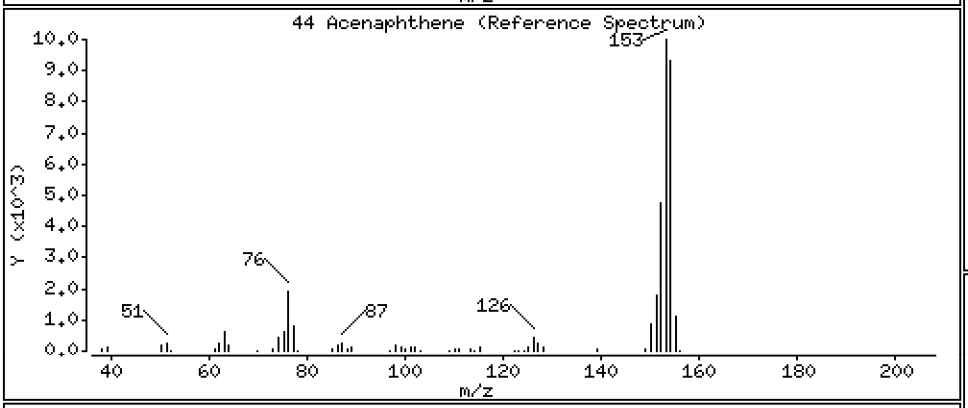
Concentration: 4.516 ug/mL

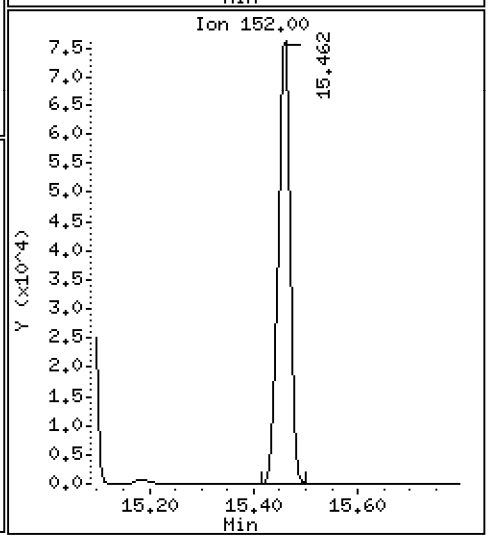


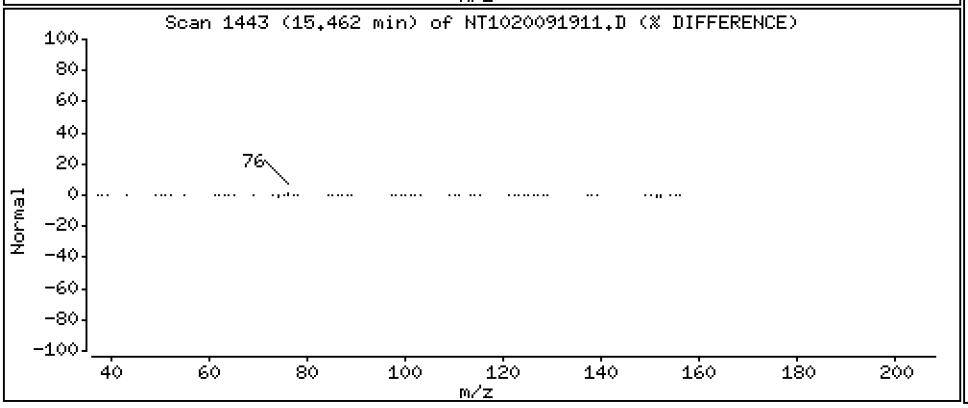












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

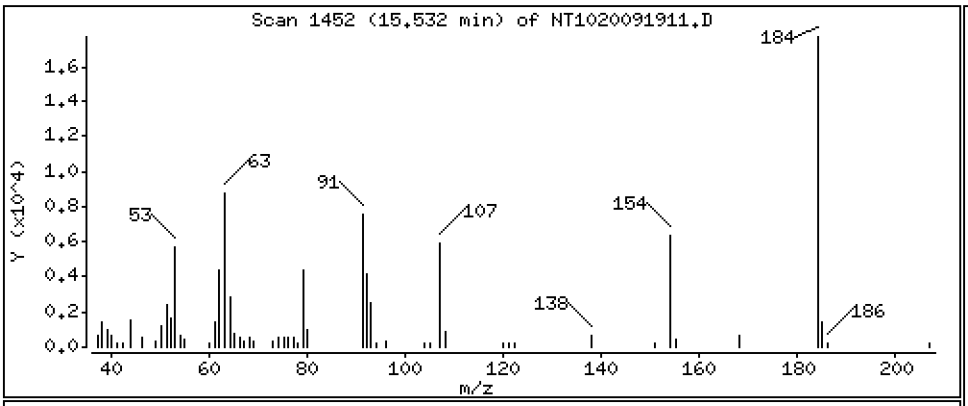
Operator: VTS

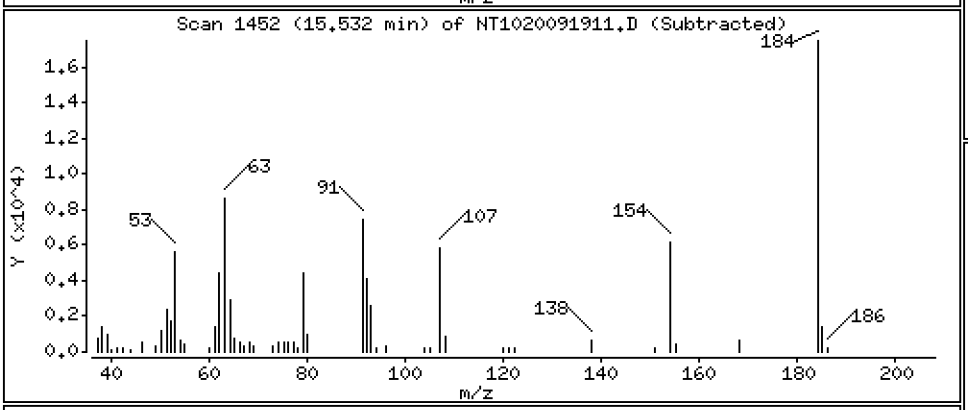
Column phase: ZB-5msi

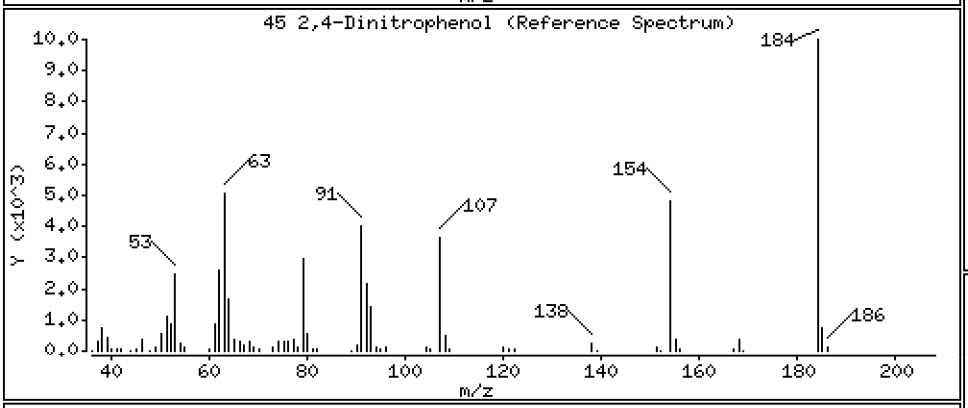
Column diameter: 0.25

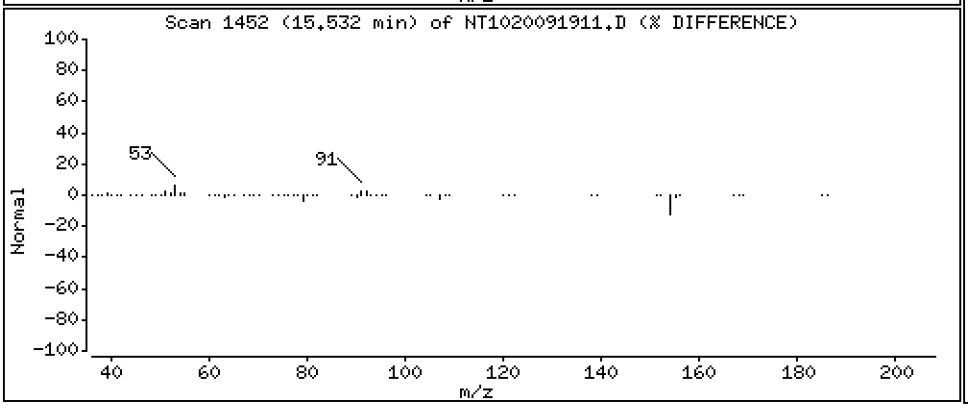
45 2,4-Dinitrophenol

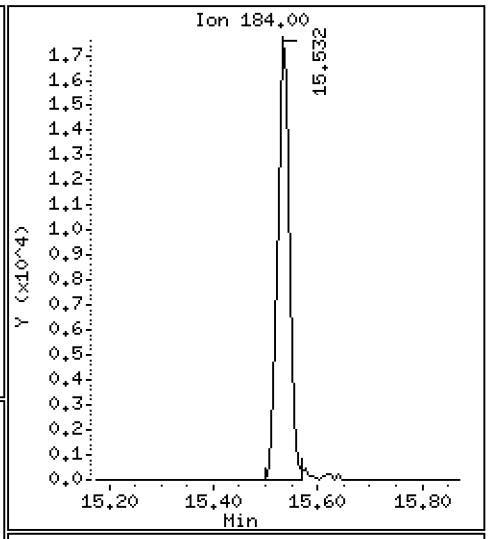
Concentration: 2.740 ug/mL

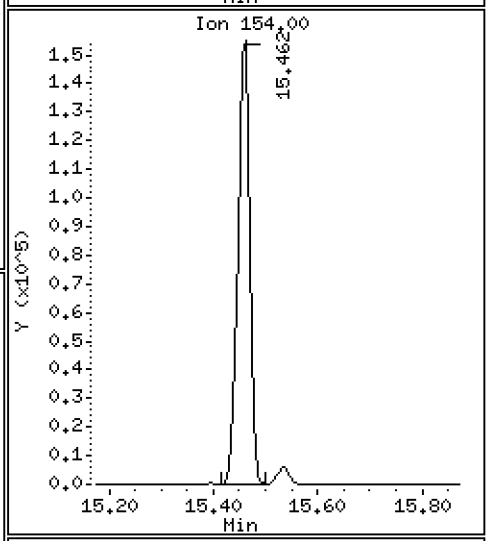


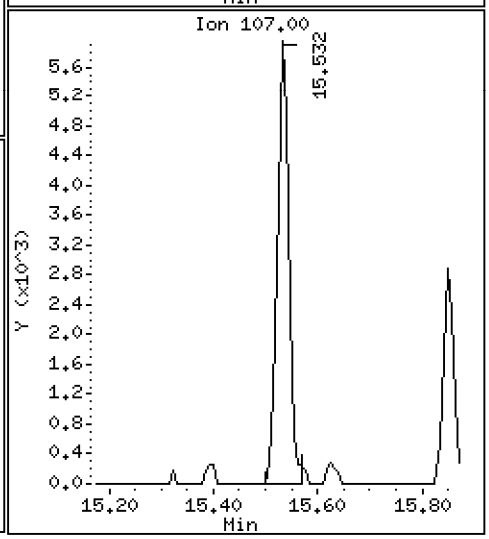












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

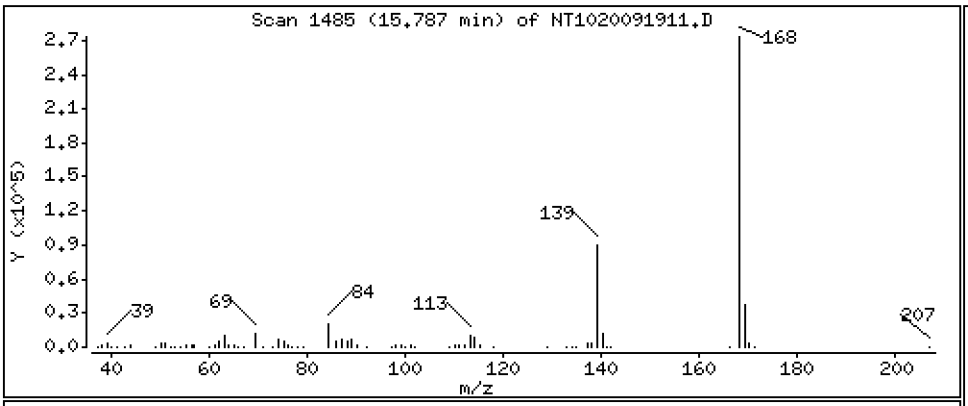
Operator: VTS

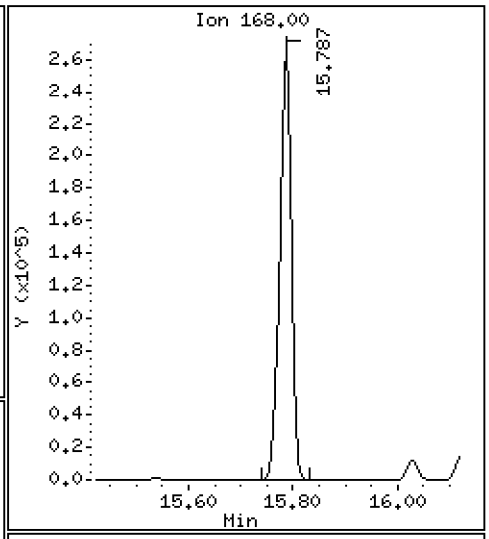
Column phase: ZB-5msi

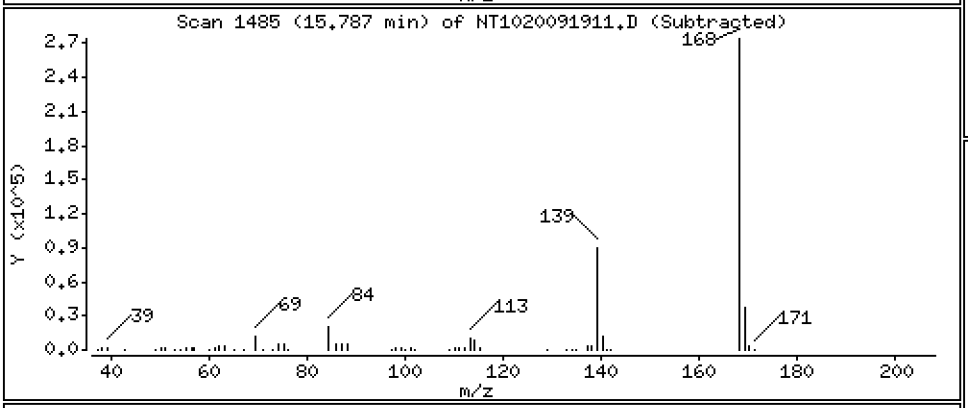
Column diameter: 0.25

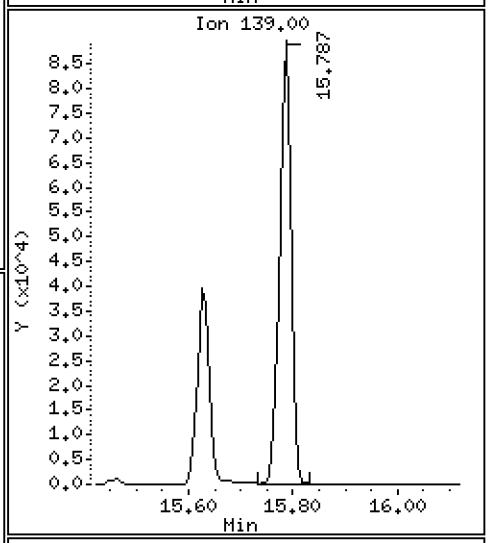
46 Dibenzofuran

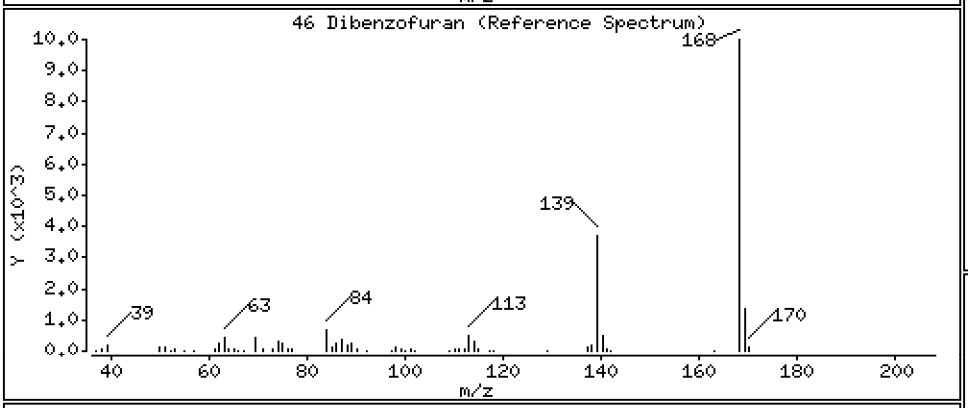
Concentration: 4.905 ug/mL

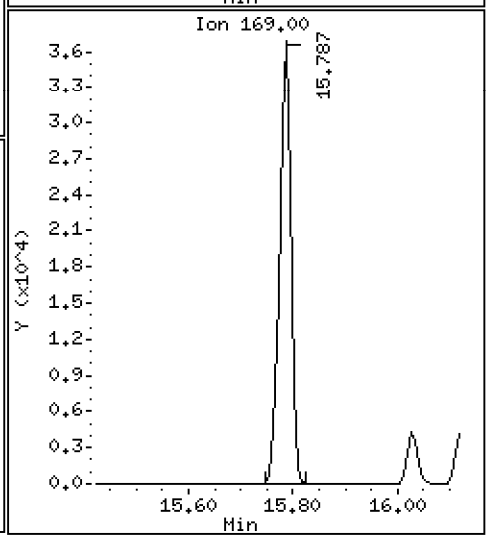


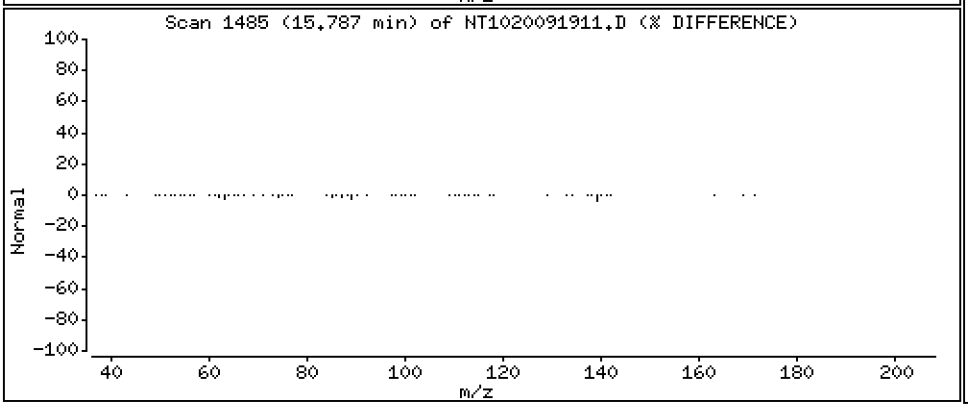












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

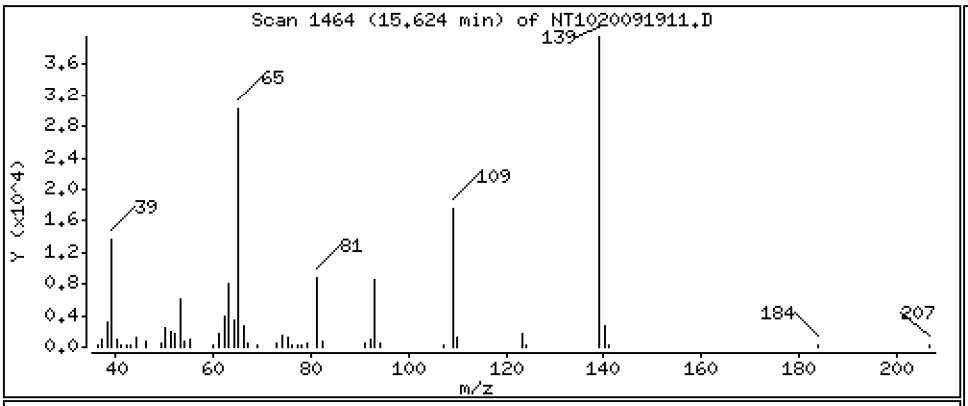
Operator: VTS

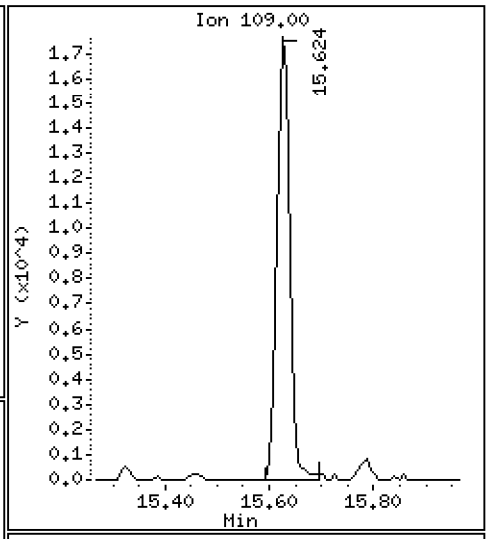
Column phase: ZB-5msi

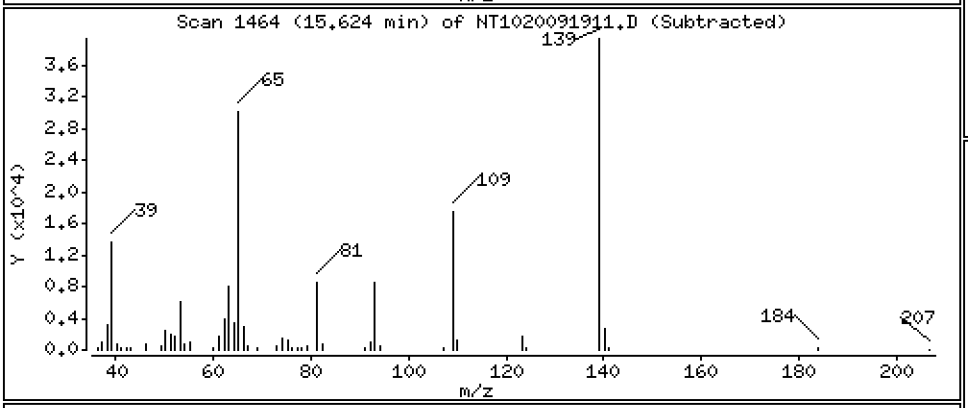
Column diameter: 0.25

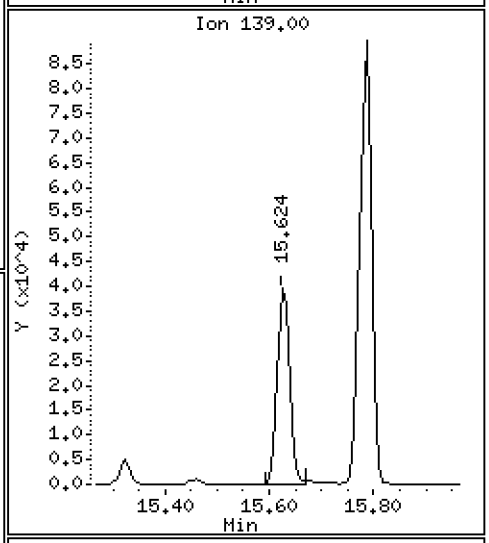
47 4-Nitrophenol

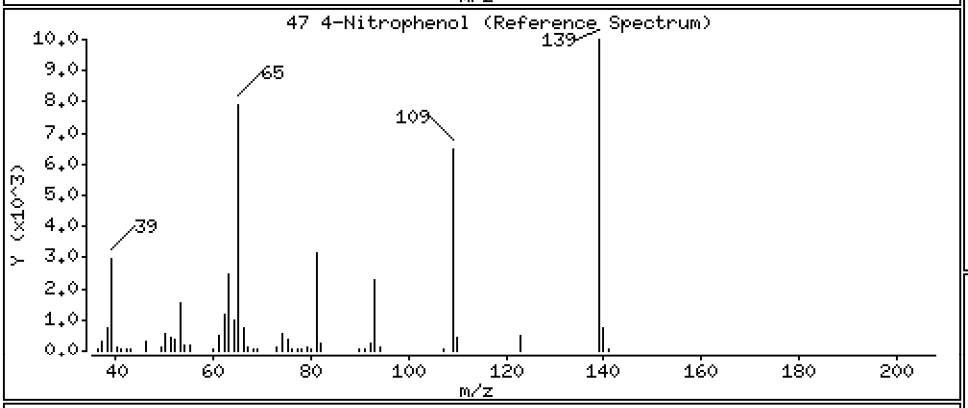
Concentration: 4.786 ug/mL

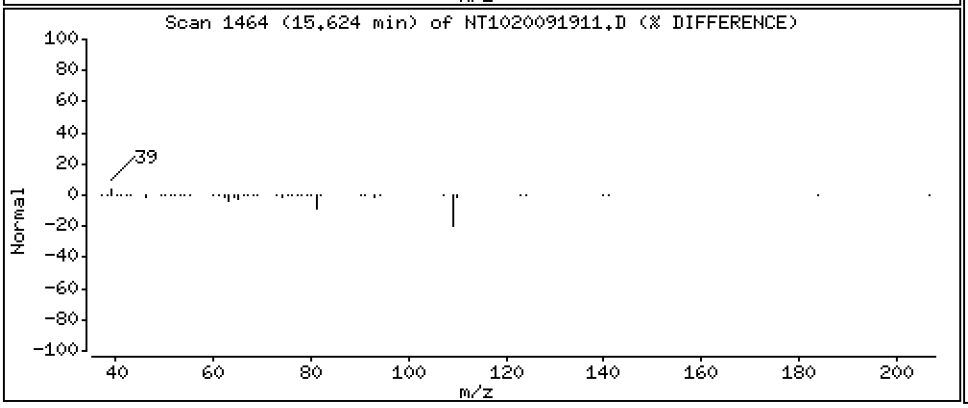


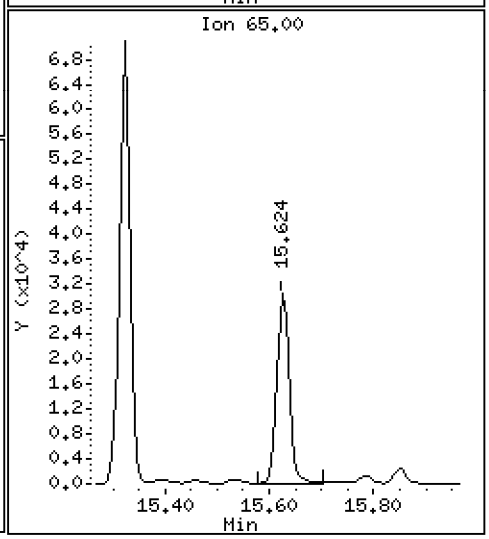












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

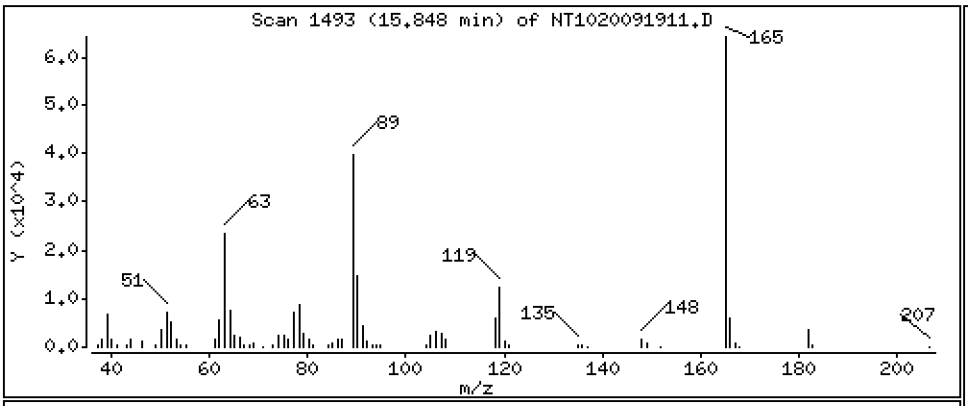
Operator: VTS

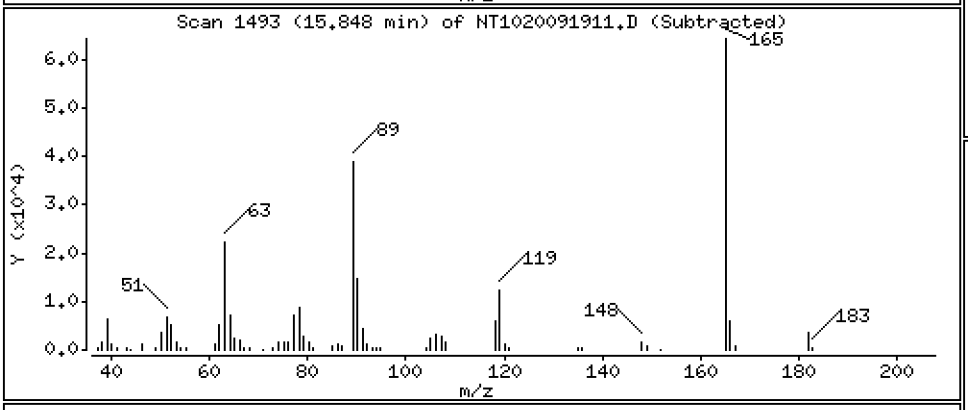
Column phase: ZB-5msi

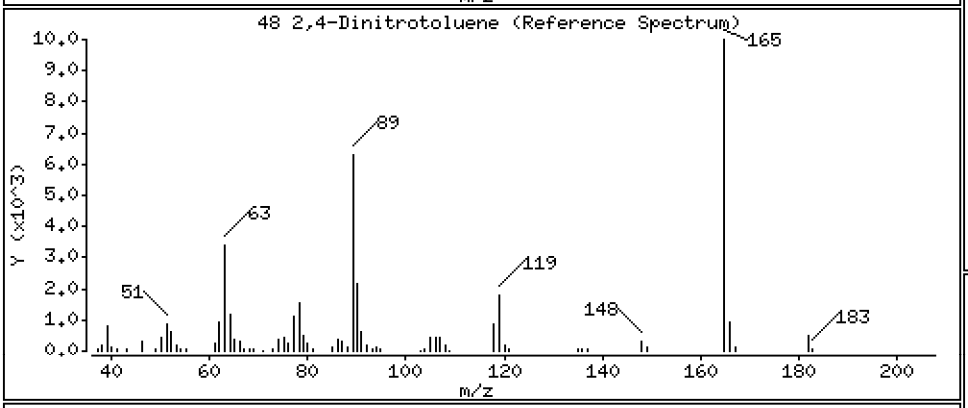
Column diameter: 0.25

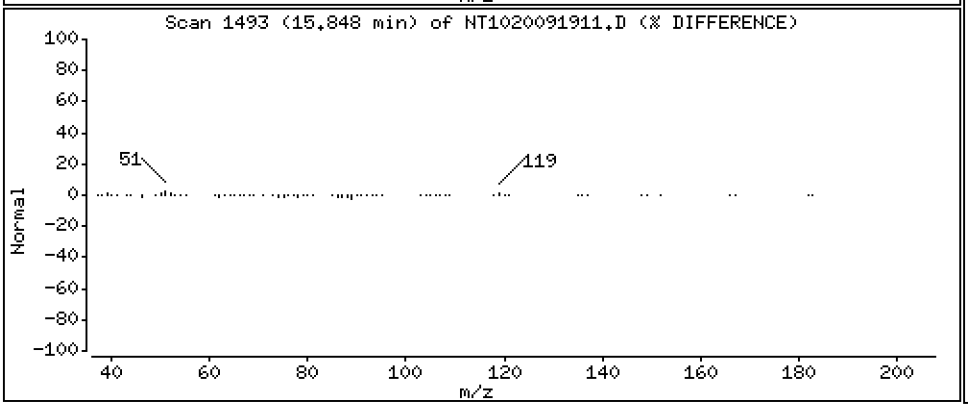
48 2,4-Dinitrotoluene

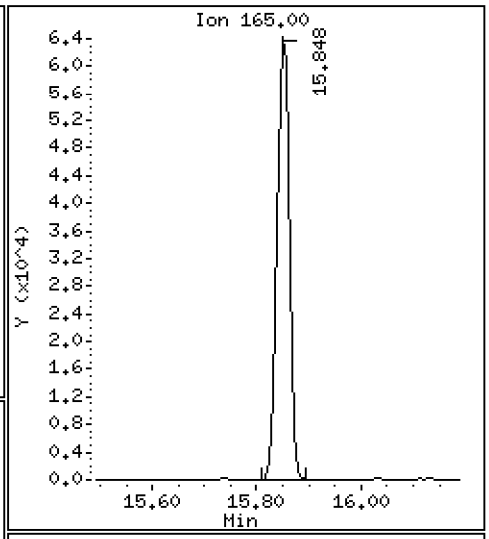
Concentration: 4.819 ug/mL

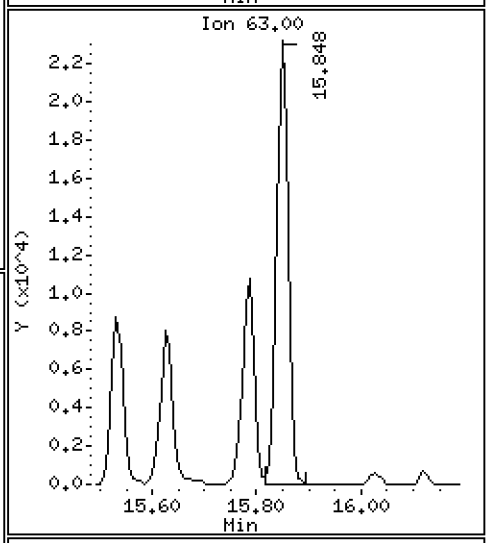


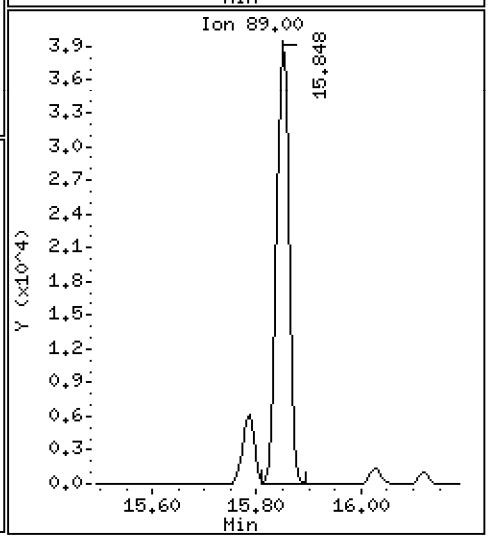












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

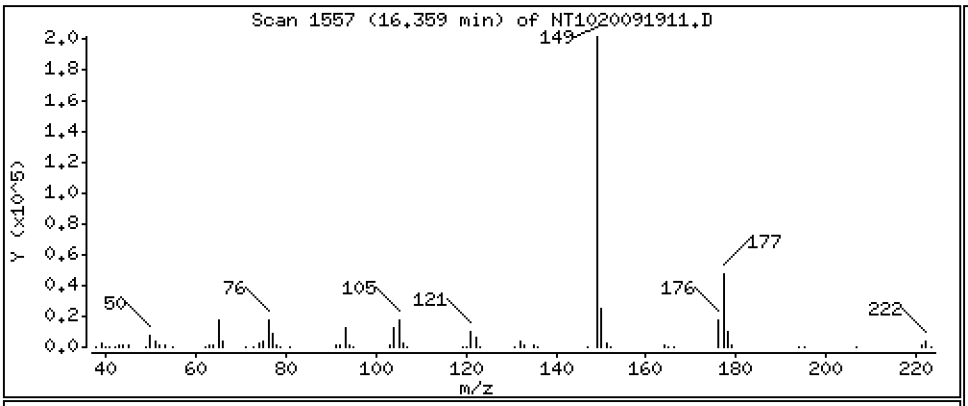
Operator: VTS

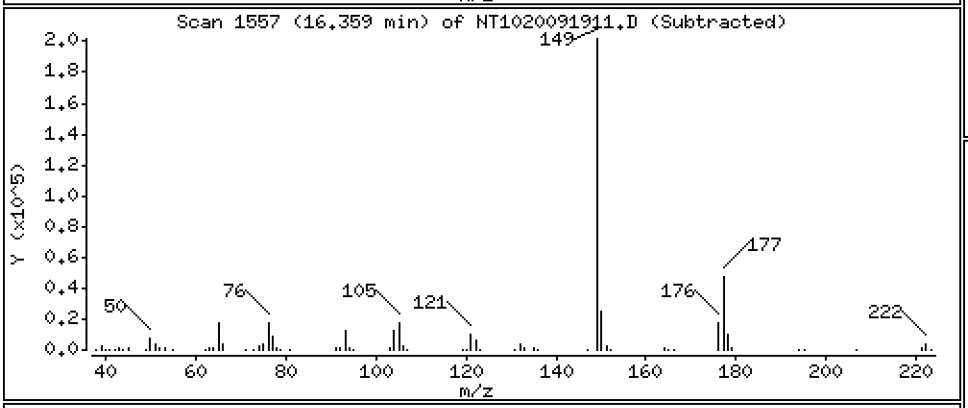
Column phase: ZB-5msi

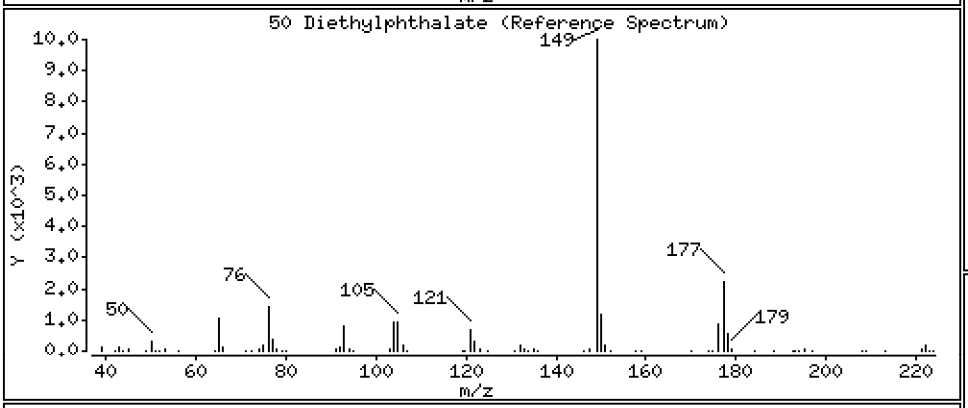
Column diameter: 0.25

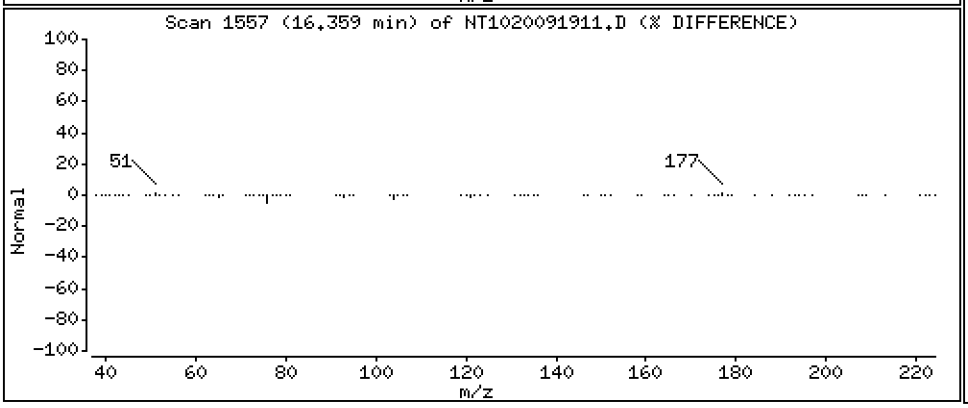
50 Diethylphthalate

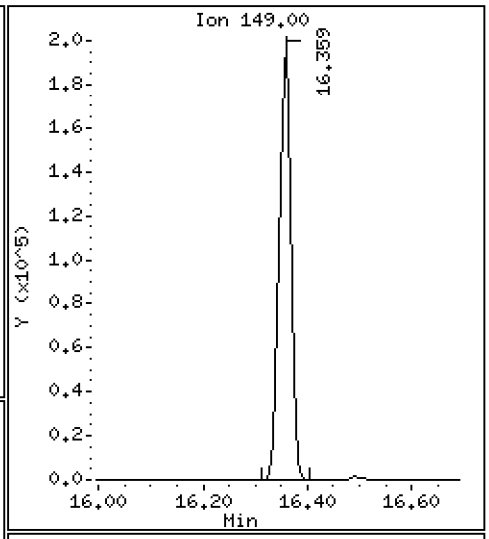
Concentration: 4.772 ug/mL

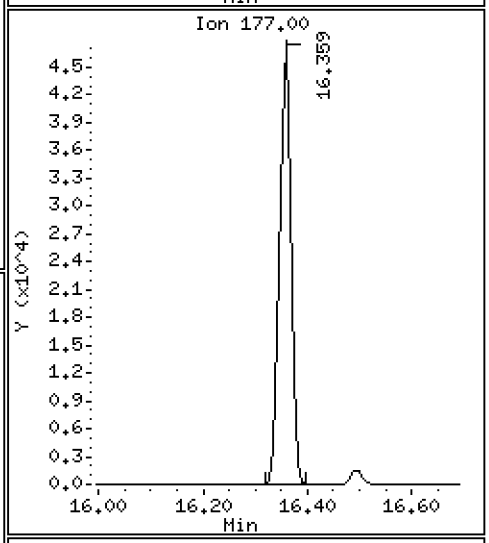


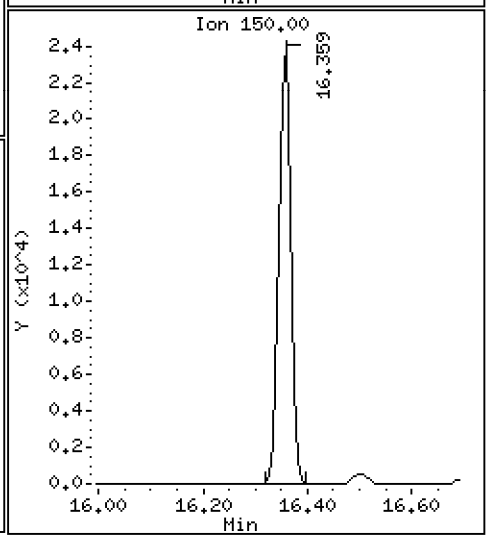












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

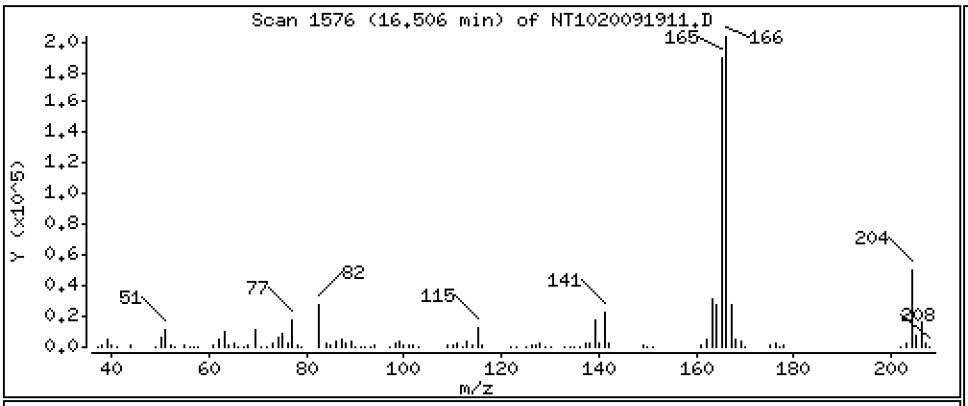
Operator: VTS

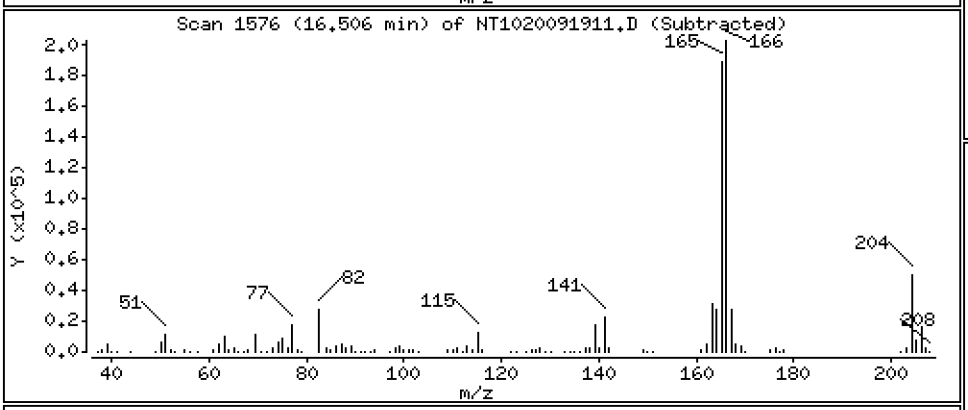
Column phase: ZB-5msi

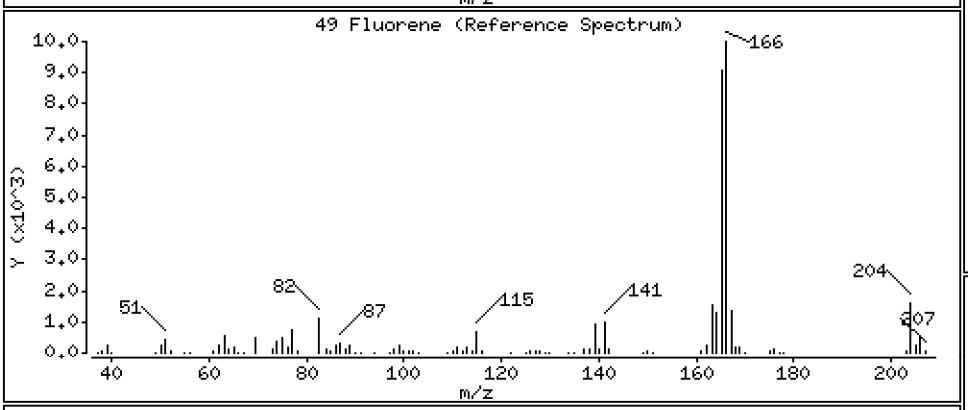
Column diameter: 0.25

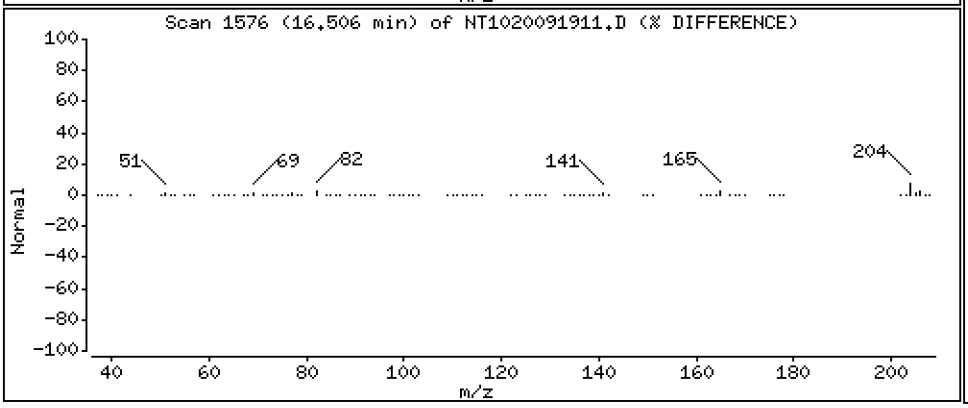
49 Fluorene

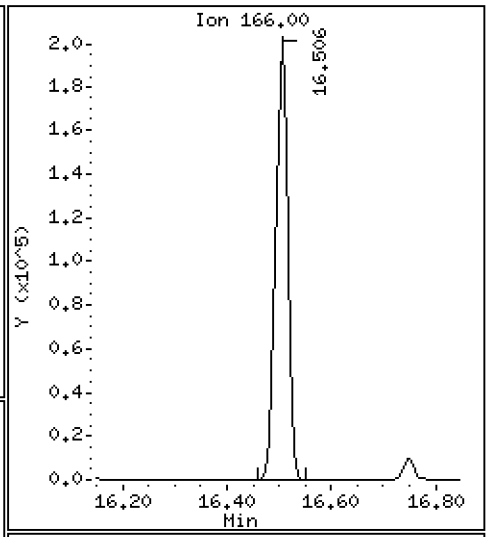
Concentration: 4.492 ug/mL

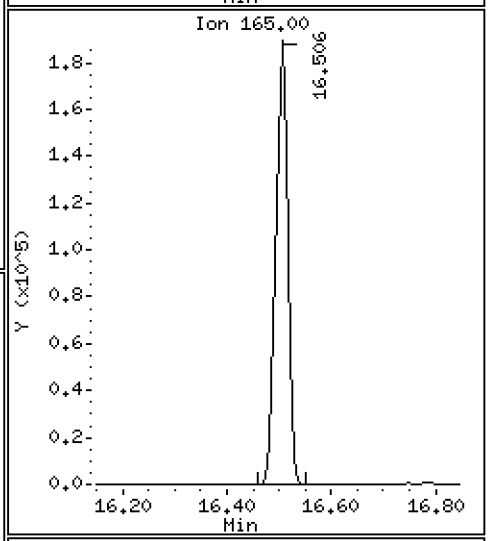


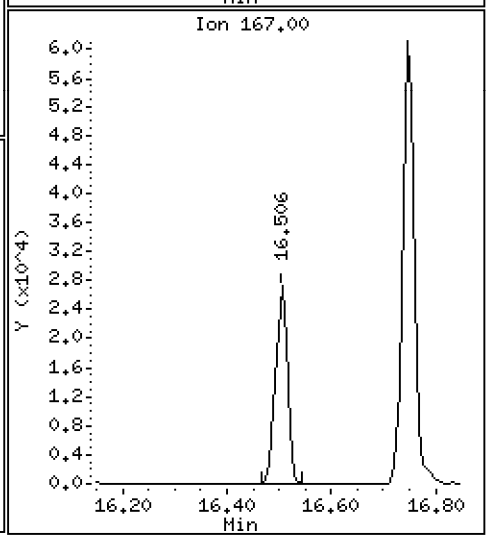












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

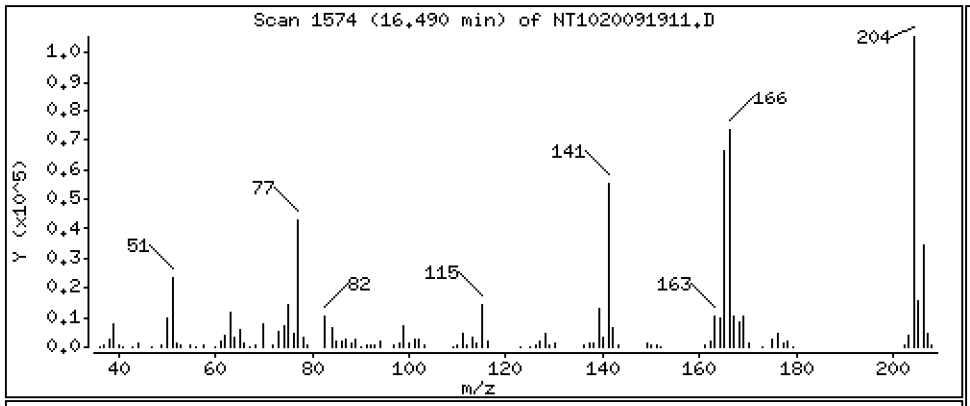
Operator: VTS

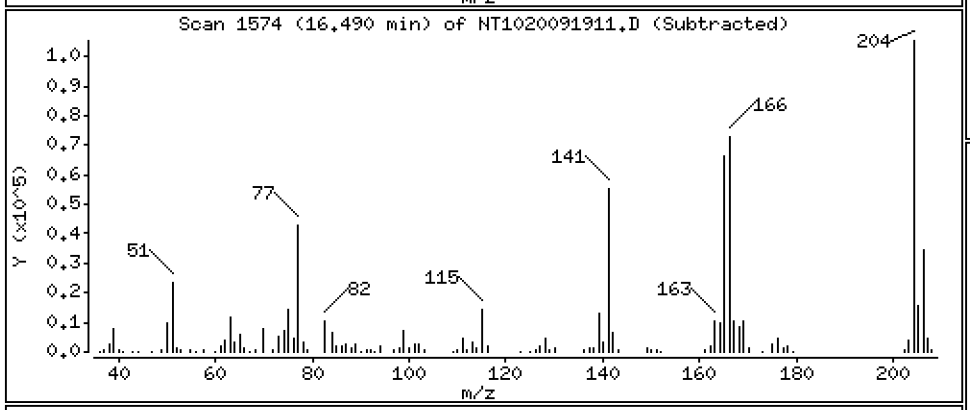
Column phase: ZB-5msi

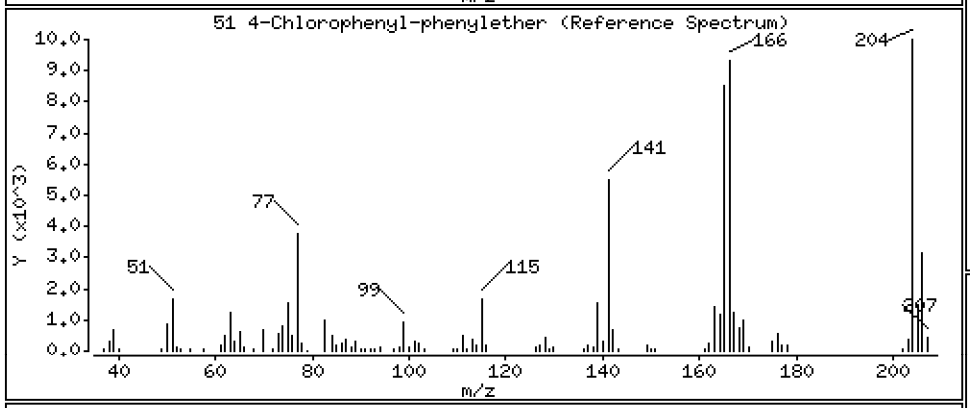
Column diameter: 0.25

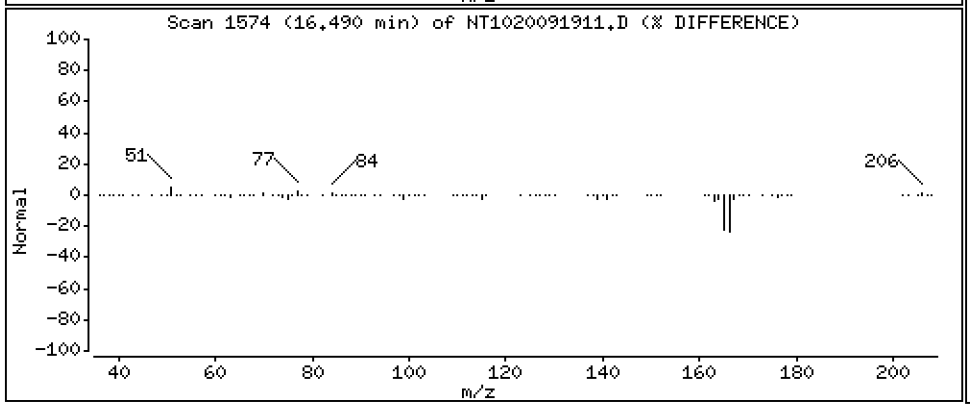
51 4-Chlorophenyl-phenylether

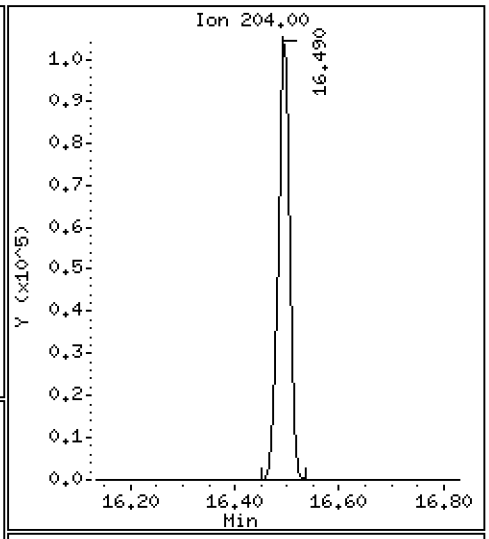
Concentration: 4.698 ug/mL

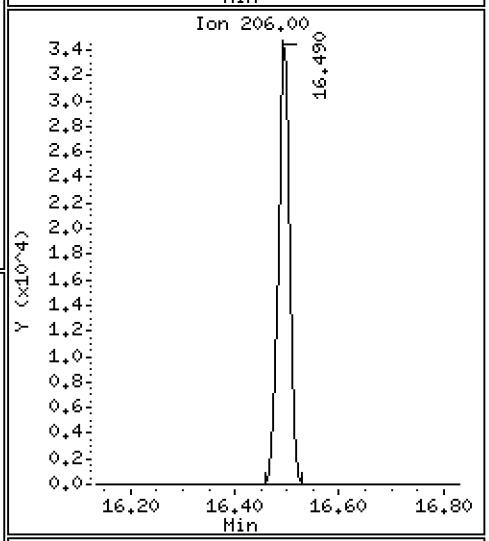


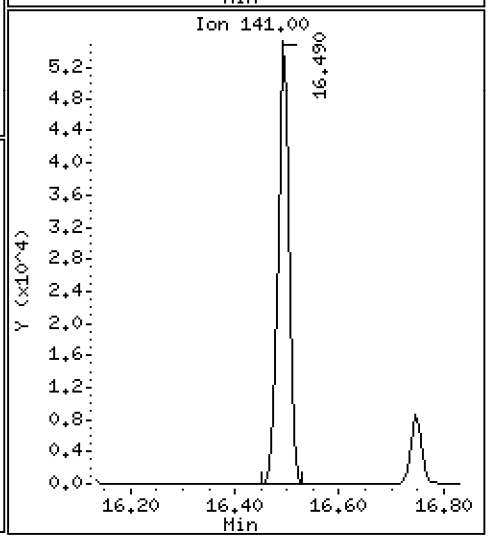












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

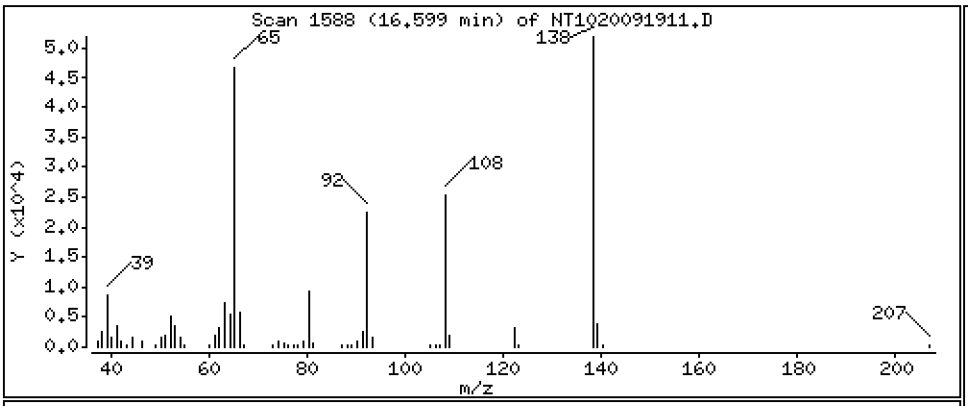
Operator: VTS

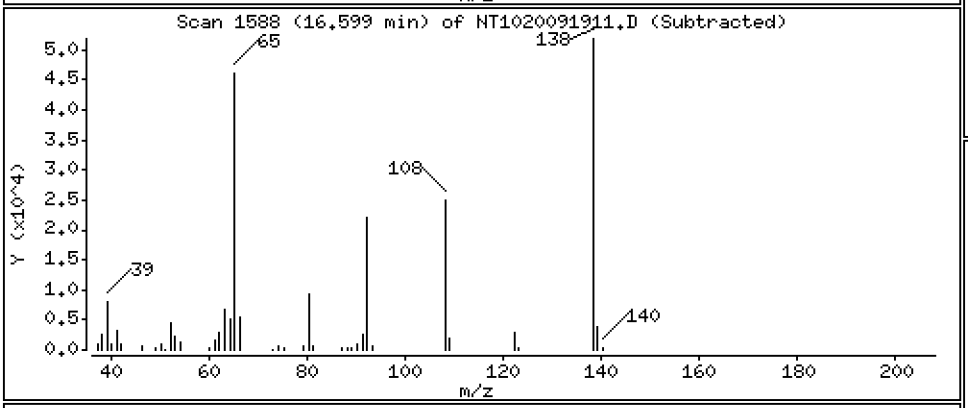
Column phase: ZB-5msi

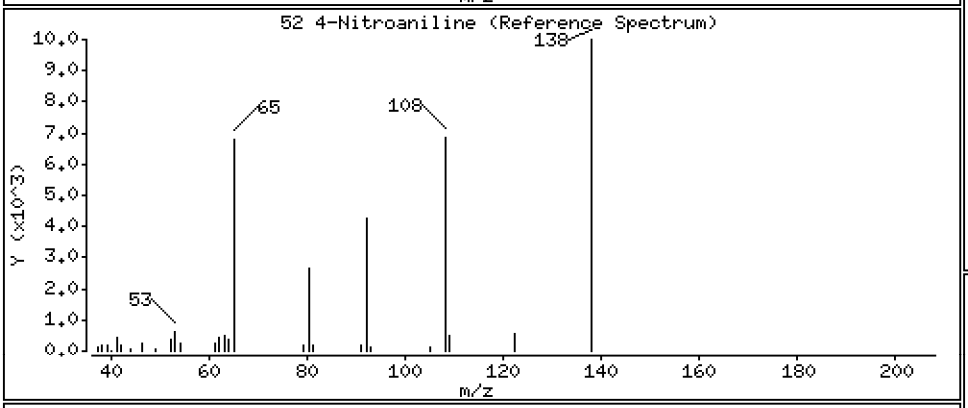
Column diameter: 0.25

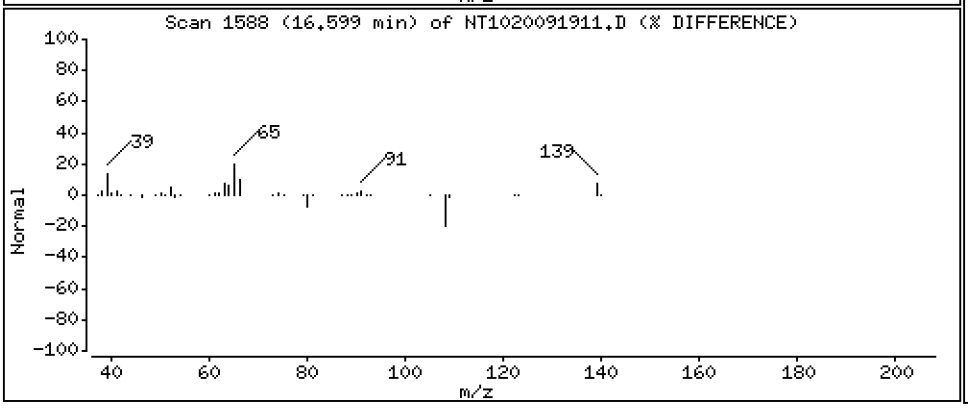
52 4-Nitroaniline

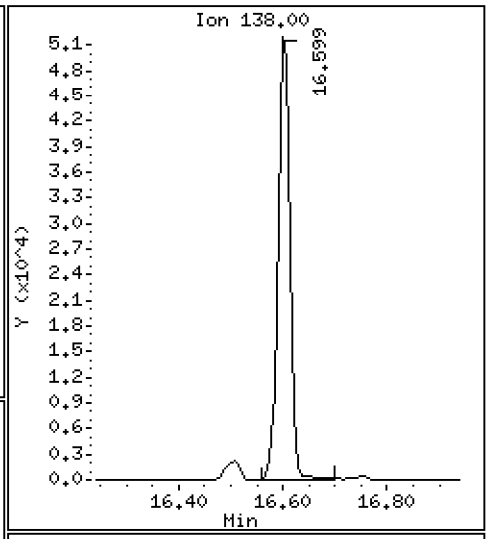
Concentration: 5.313 ug/mL

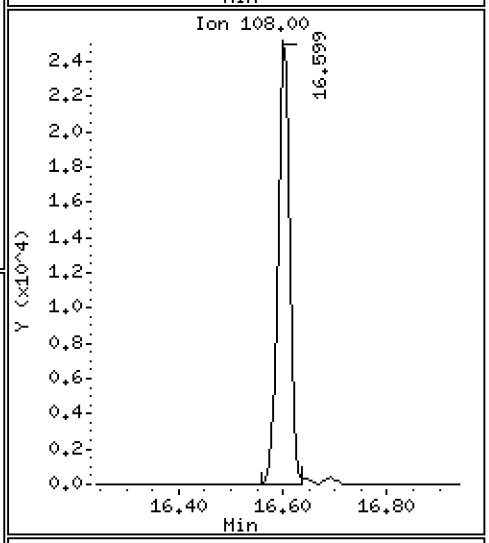


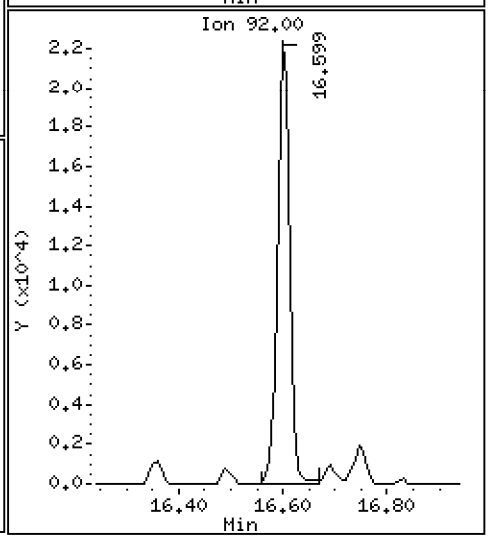












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

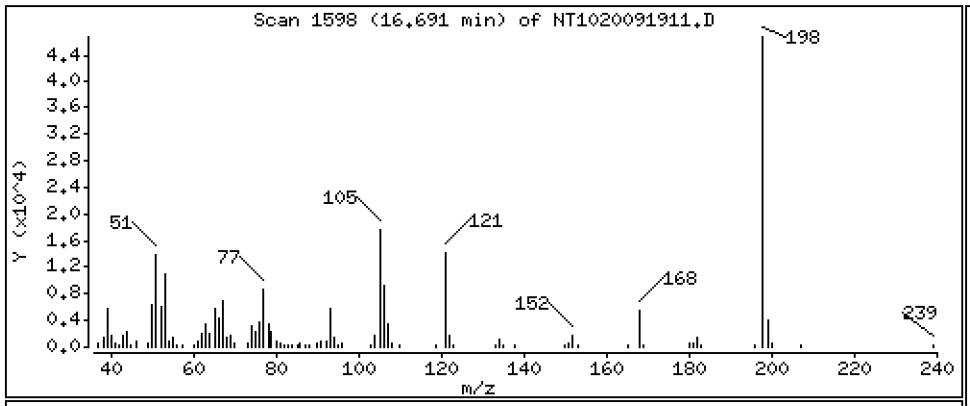
Operator: VTS

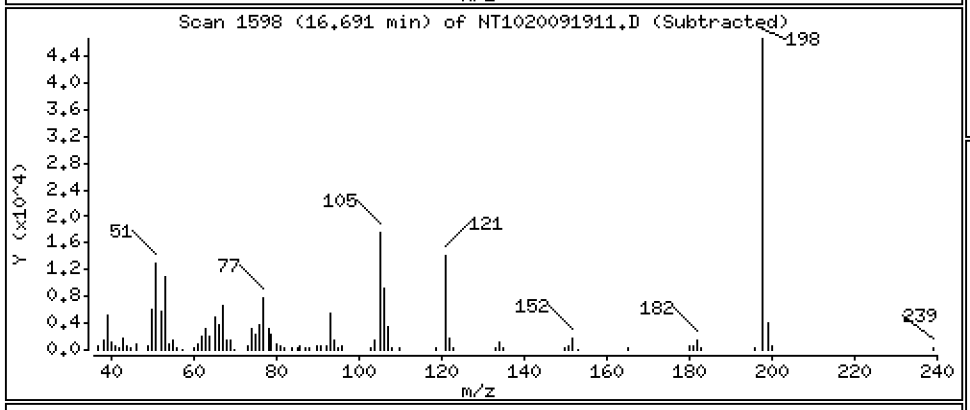
Column phase: ZB-5msi

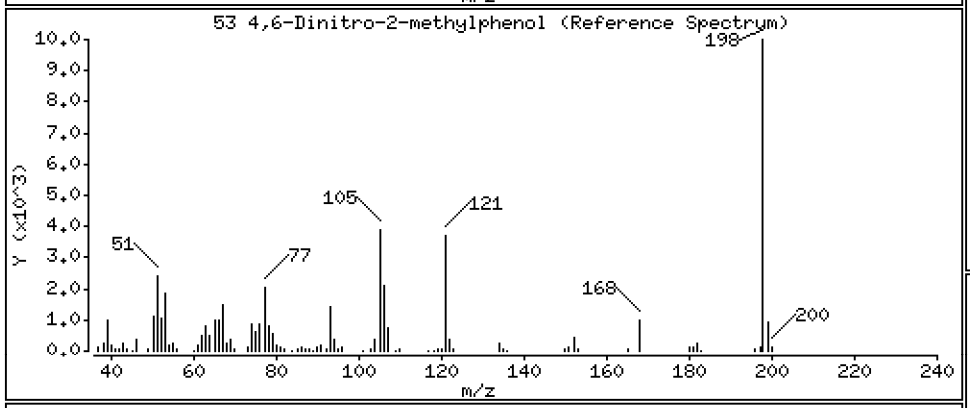
Column diameter: 0.25

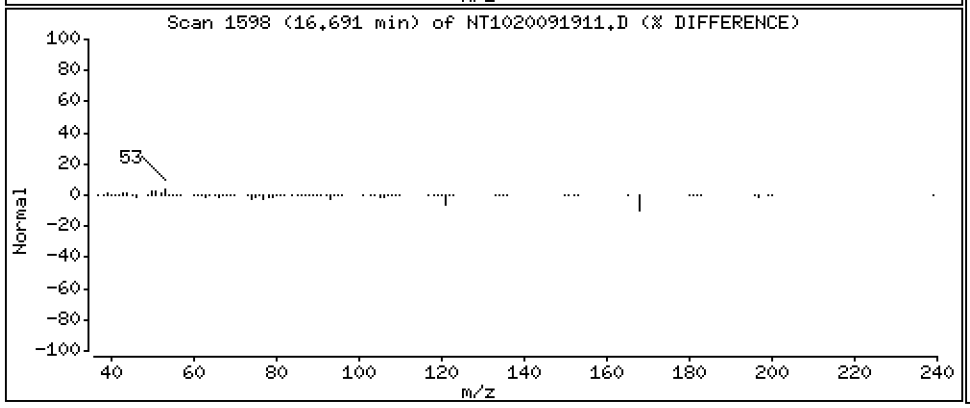
53 4,6-Dinitro-2-methylphenol

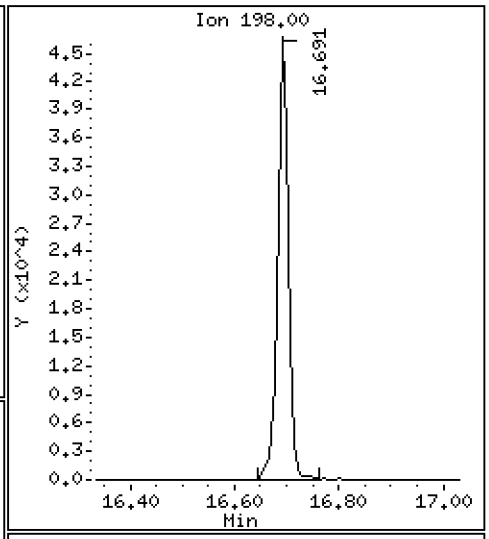
Concentration: 4.950 ug/mL

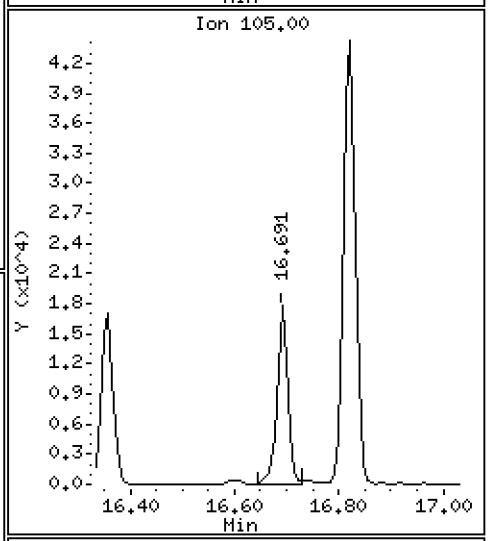


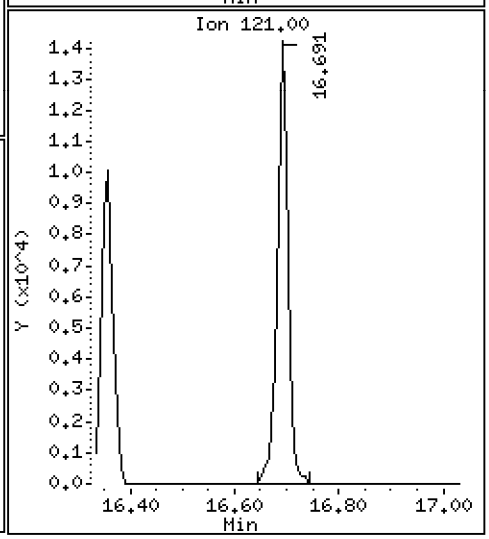












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

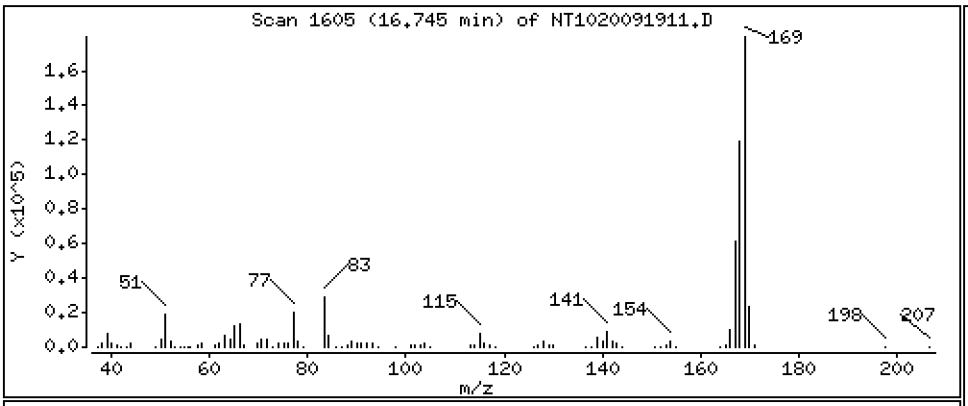
Operator: VTS

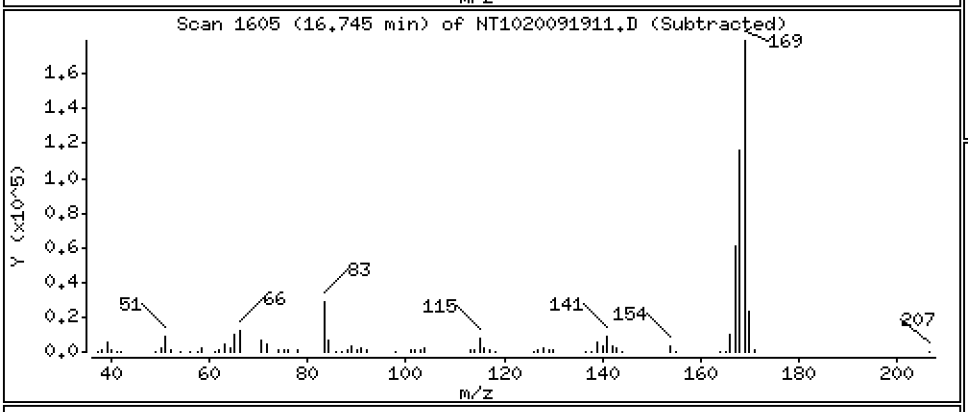
Column phase: ZB-5msi

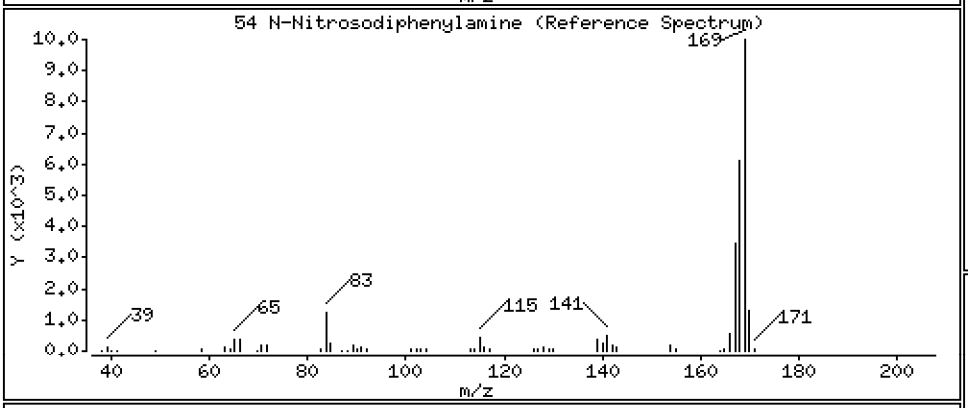
Column diameter: 0.25

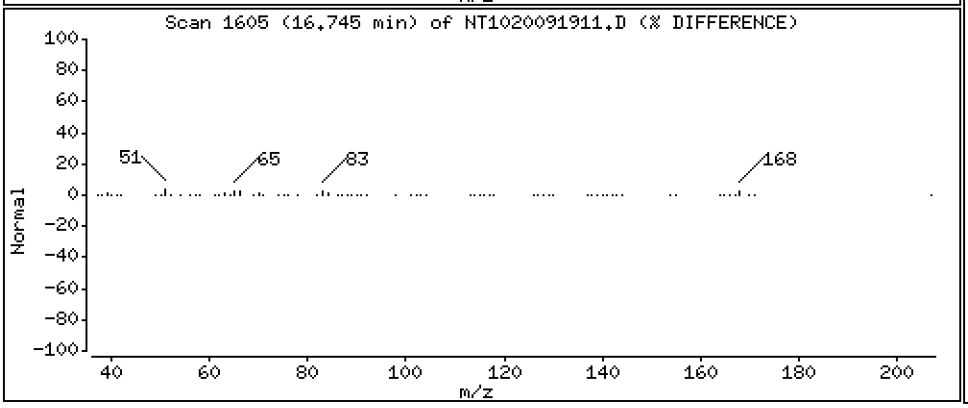
54 N-Nitrosodiphenylamine

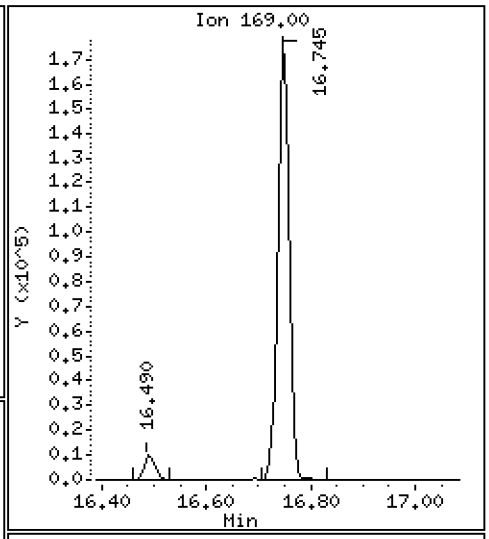
Concentration: 6.430 ug/mL

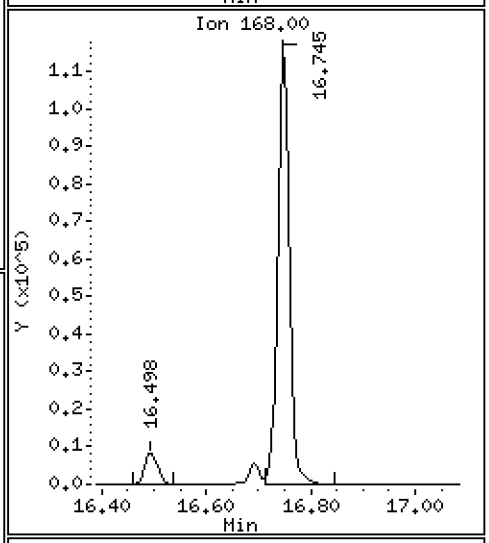


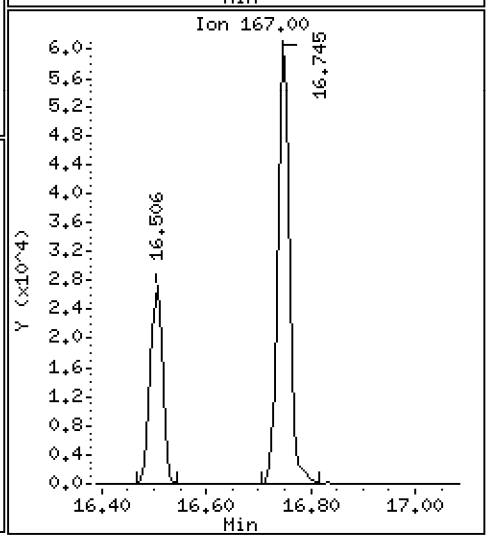












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

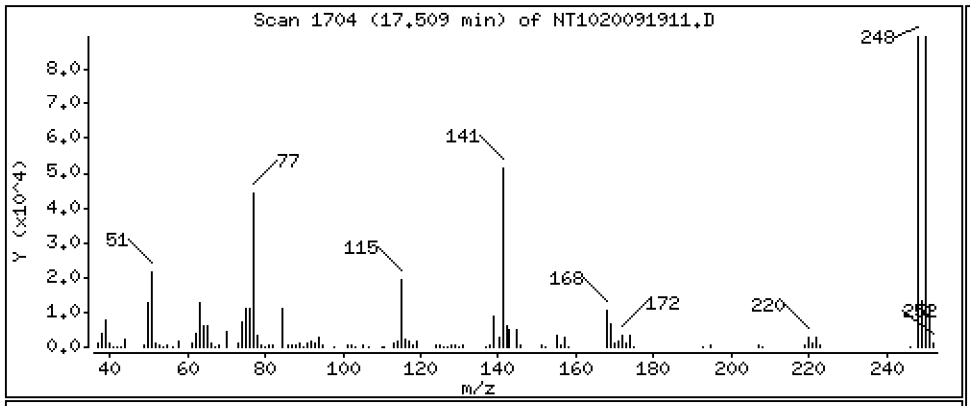
Operator: VTS

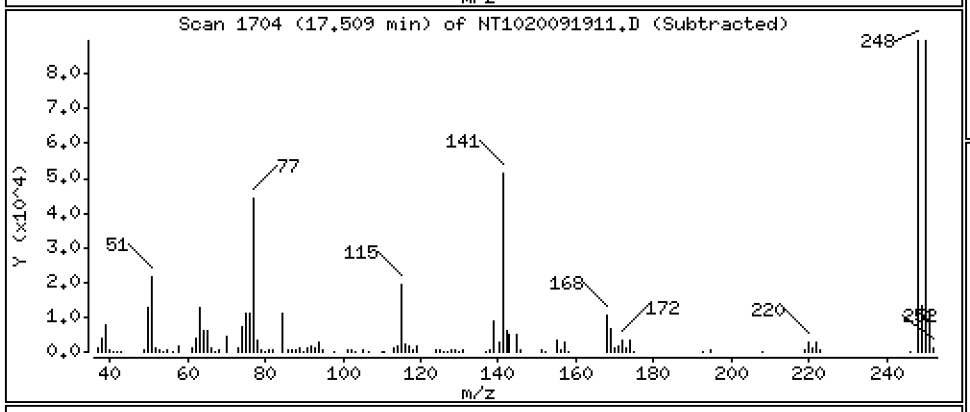
Column phase: ZB-5msi

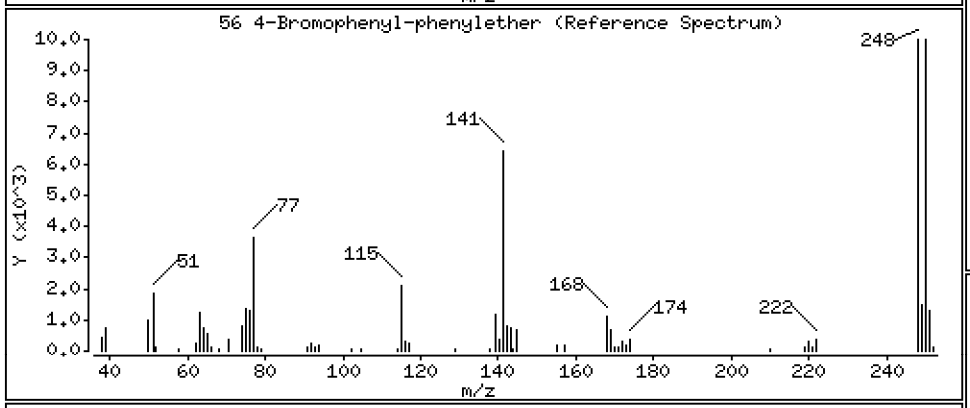
Column diameter: 0.25

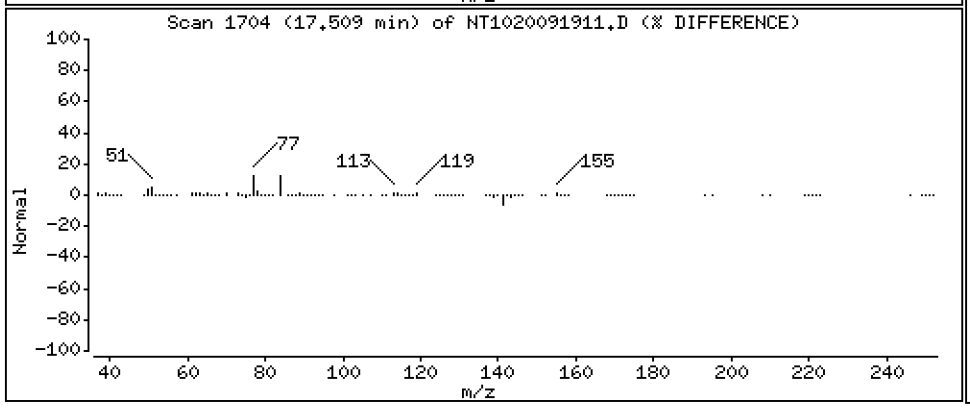
56 4-Bromophenyl-phenylether

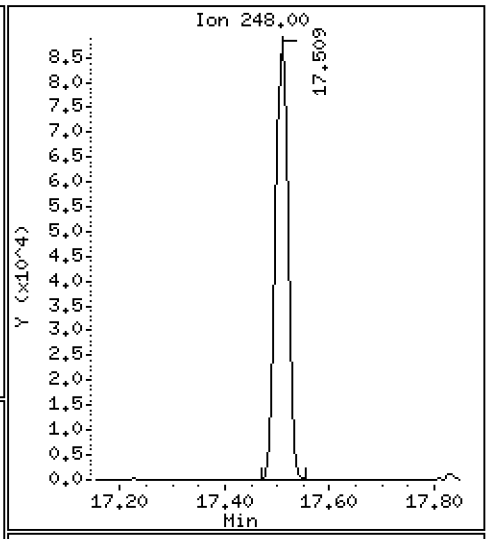
Concentration: 4.848 ug/mL

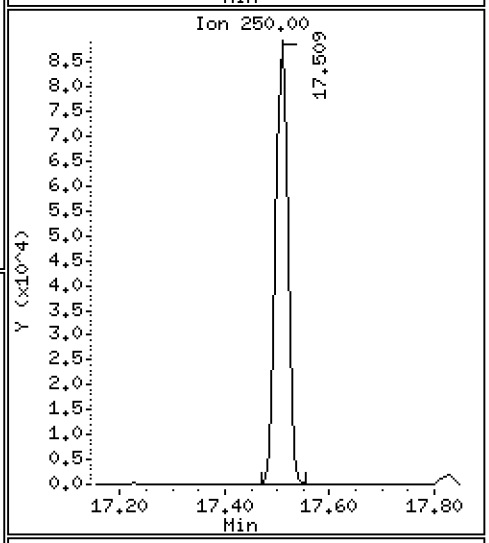


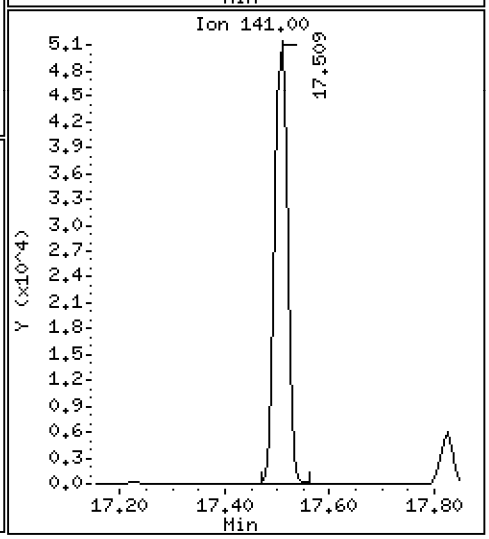












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

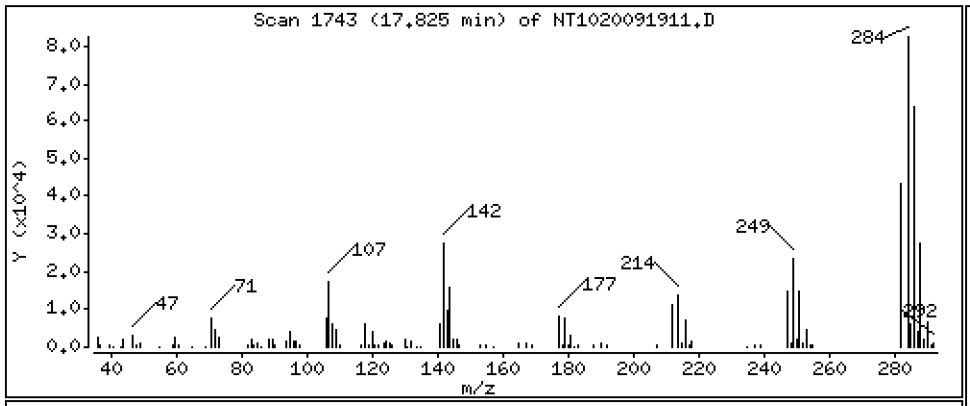
Operator: VTS

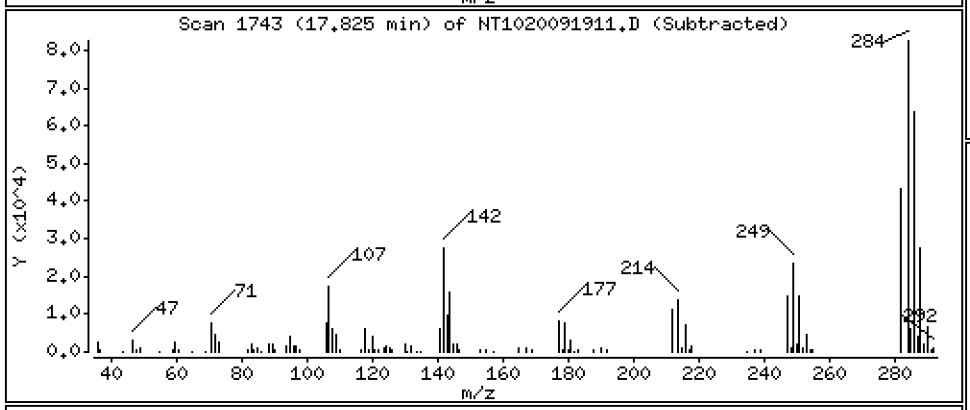
Column phase: ZB-5msi

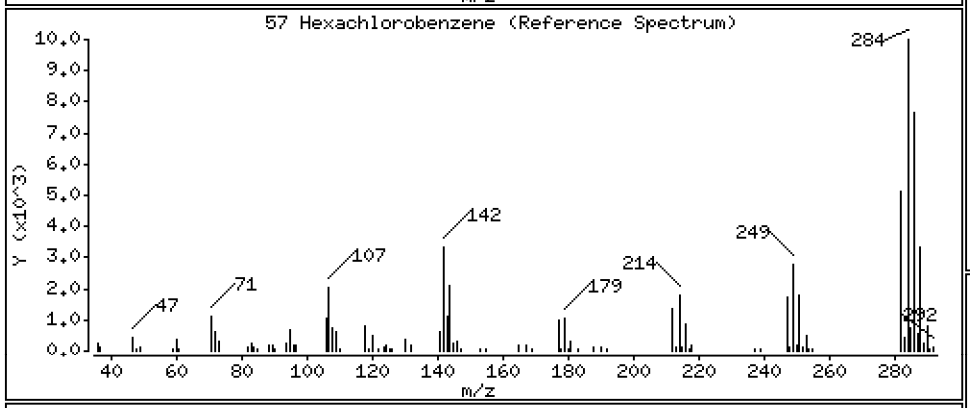
Column diameter: 0.25

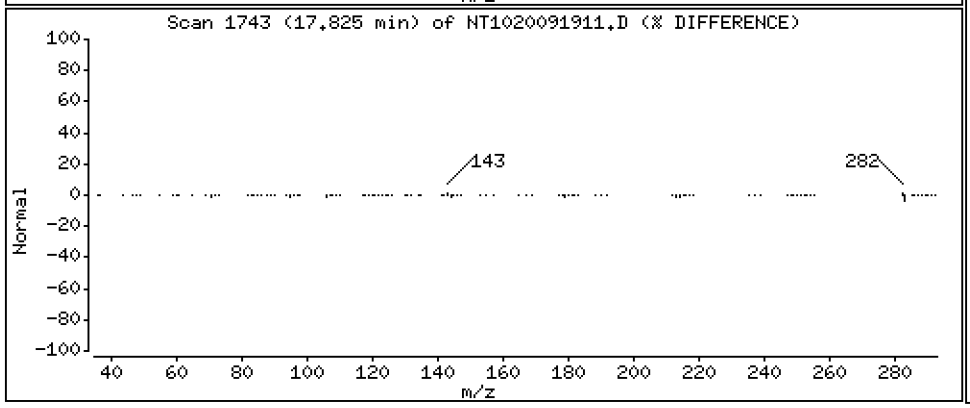
57 Hexachlorobenzene

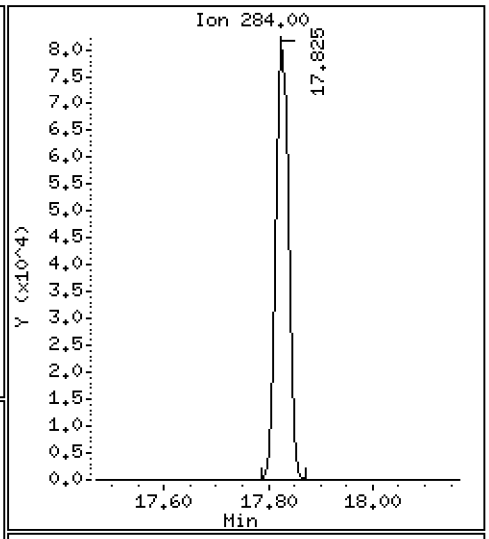
Concentration: 4.598 ug/mL

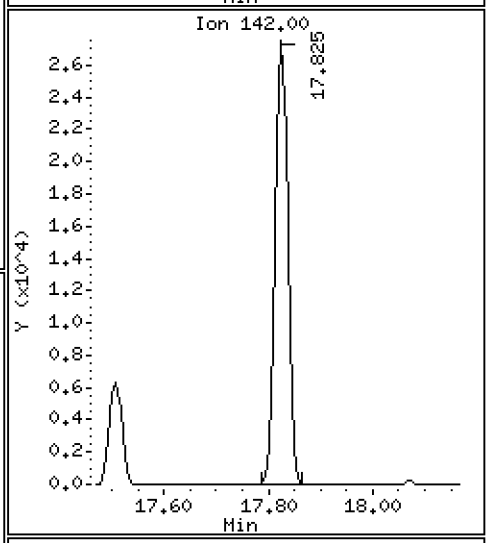


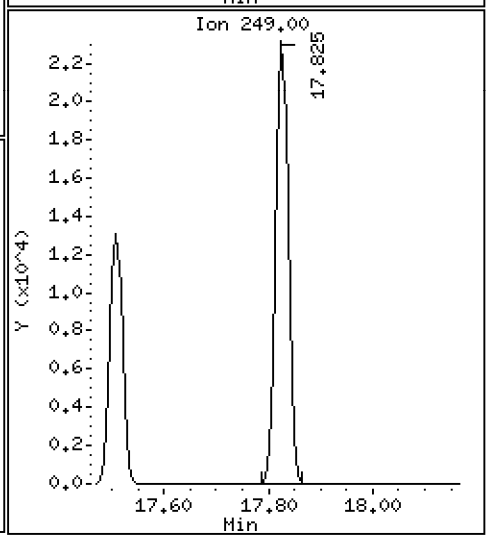












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

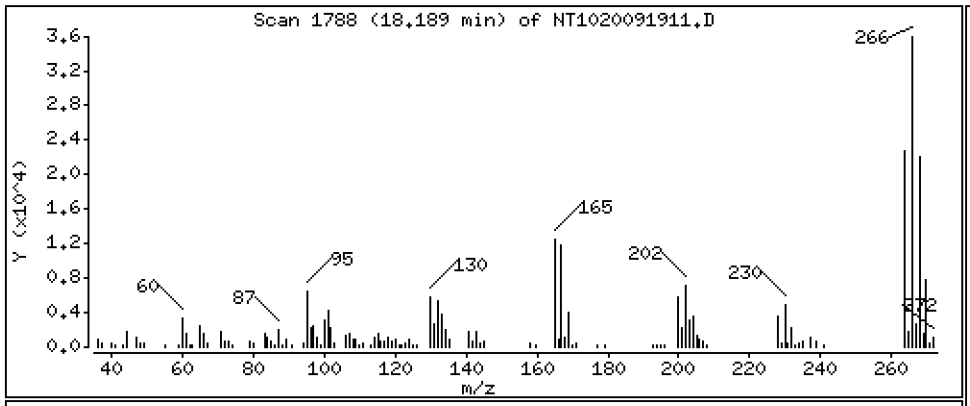
Operator: VTS

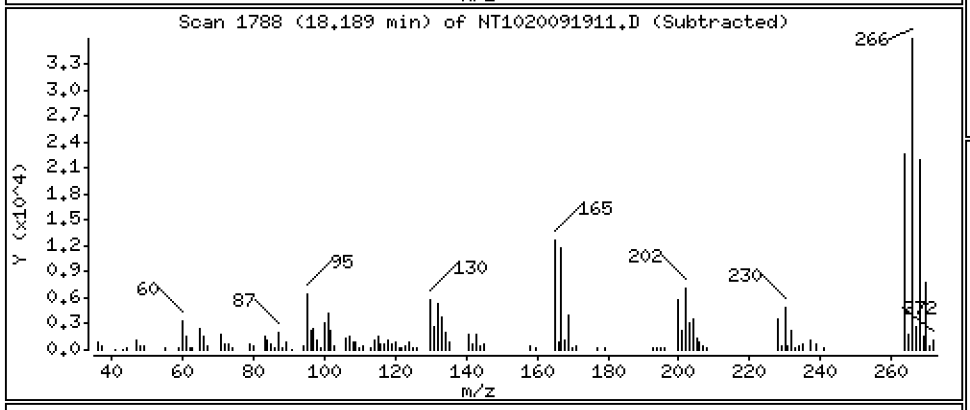
Column phase: ZB-5msi

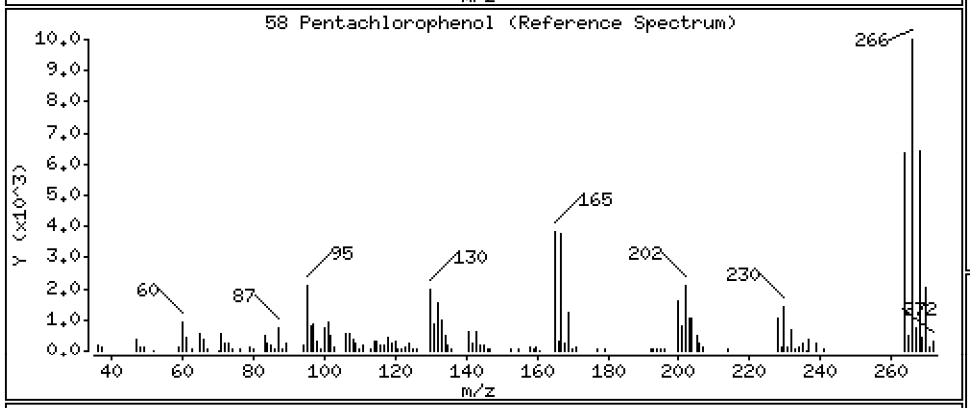
Column diameter: 0.25

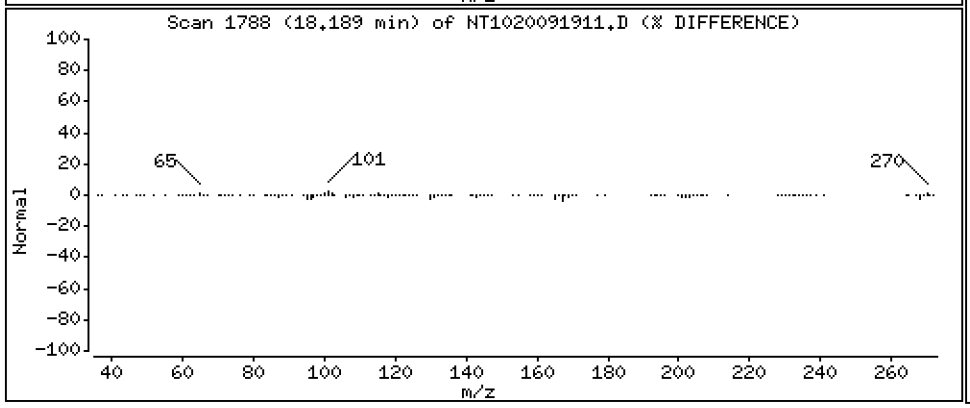
58 Pentachlorophenol

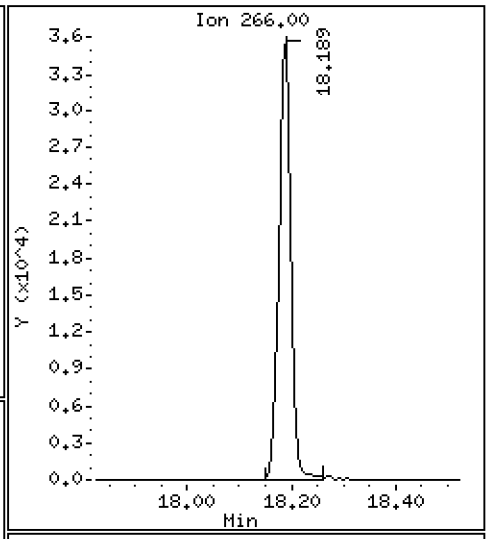
Concentration: 4.883 ug/mL

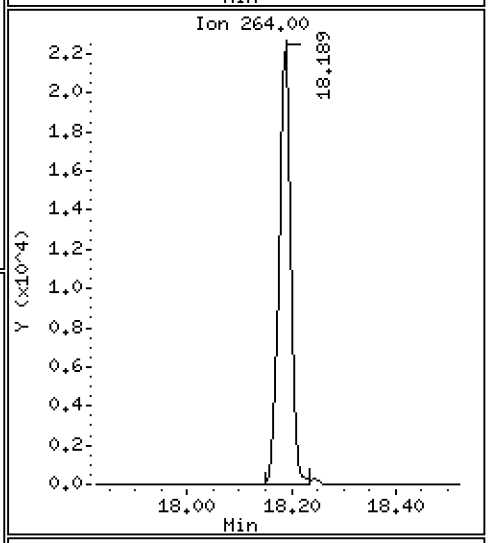


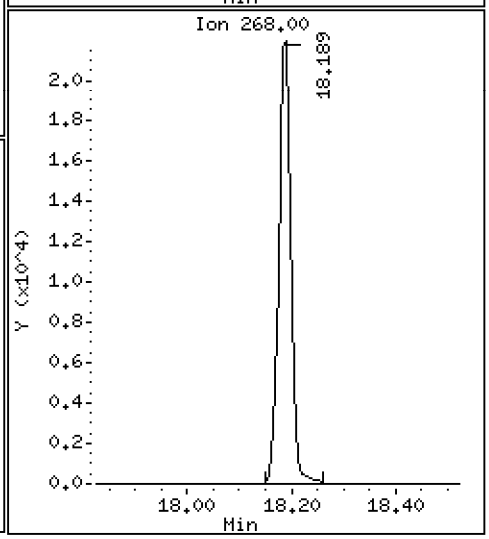












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

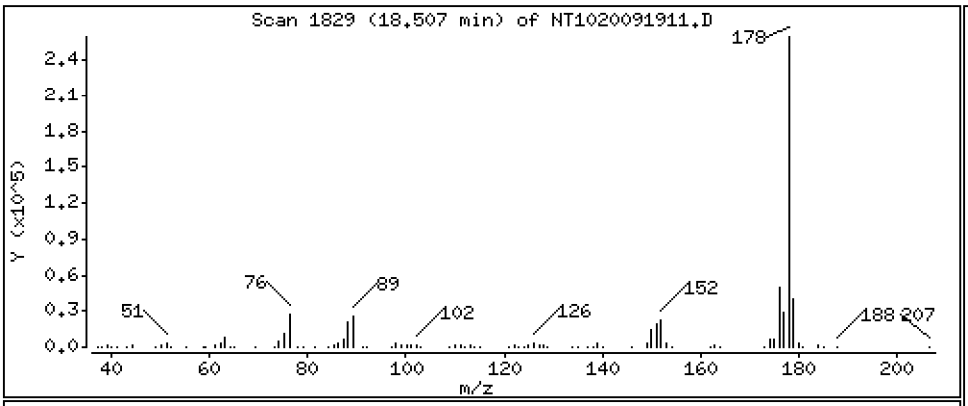
Operator: VTS

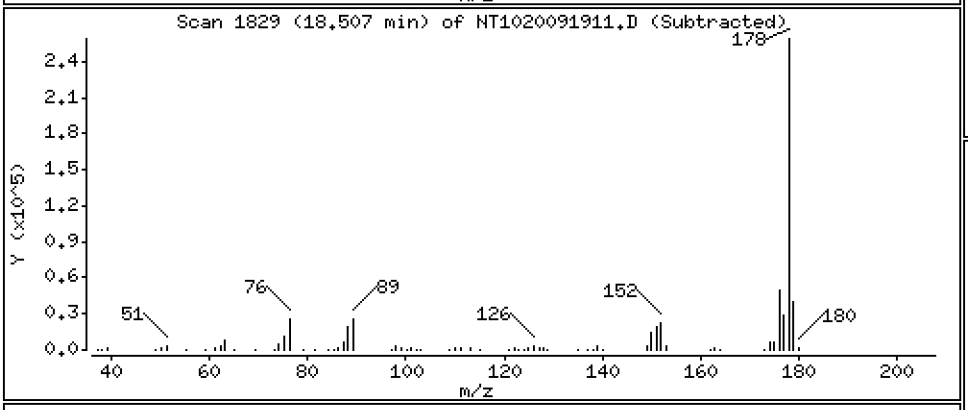
Column phase: ZB-5msi

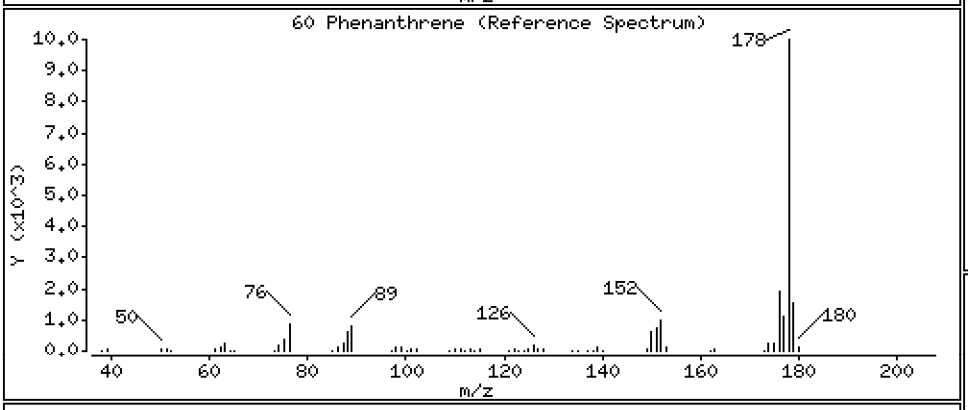
Column diameter: 0.25

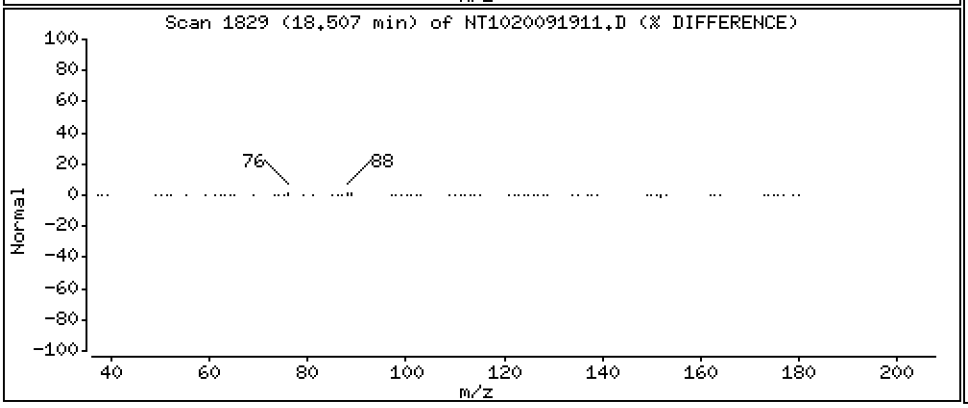
60 Phenanthrene

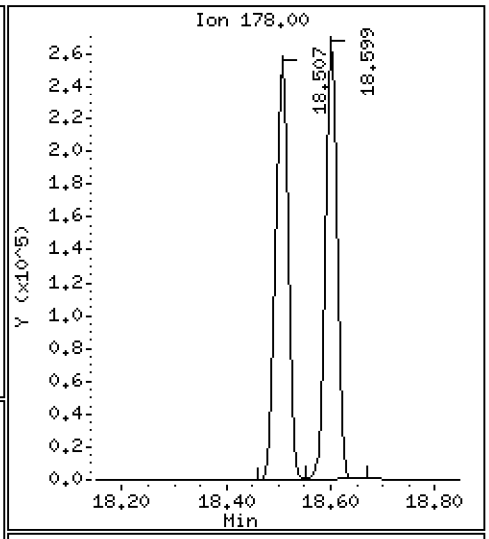
Concentration: 4.895 ug/mL

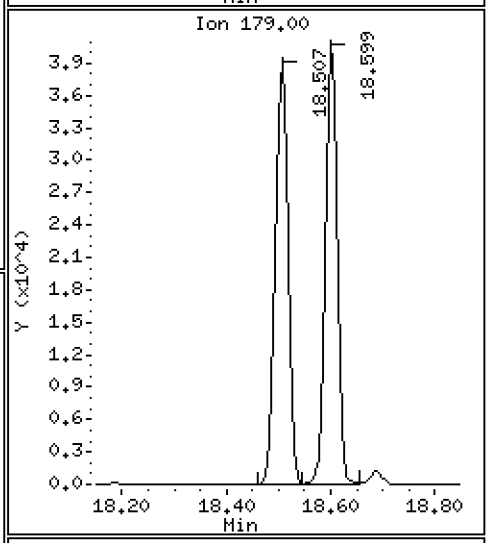


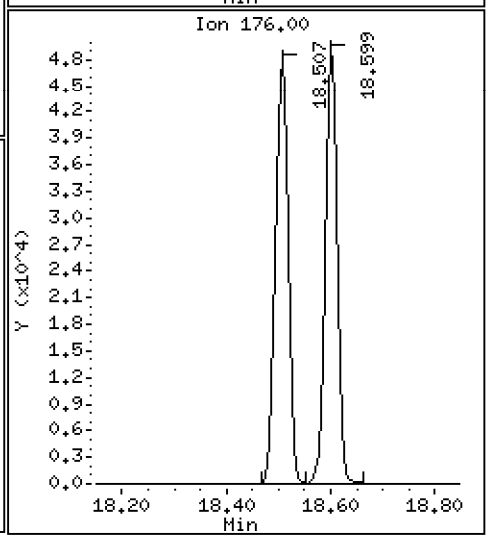












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

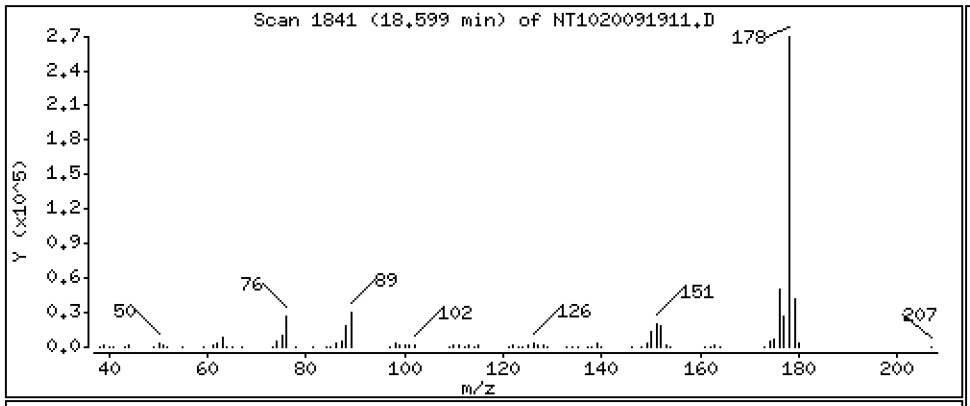
Operator: VTS

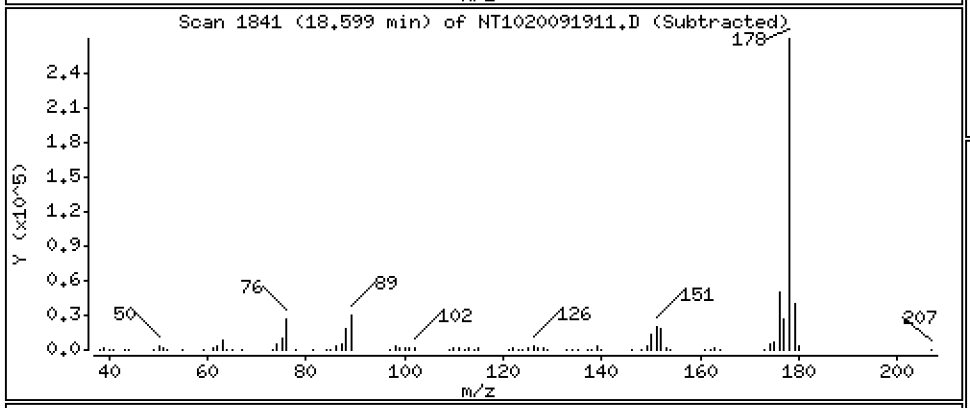
Column phase: ZB-5msi

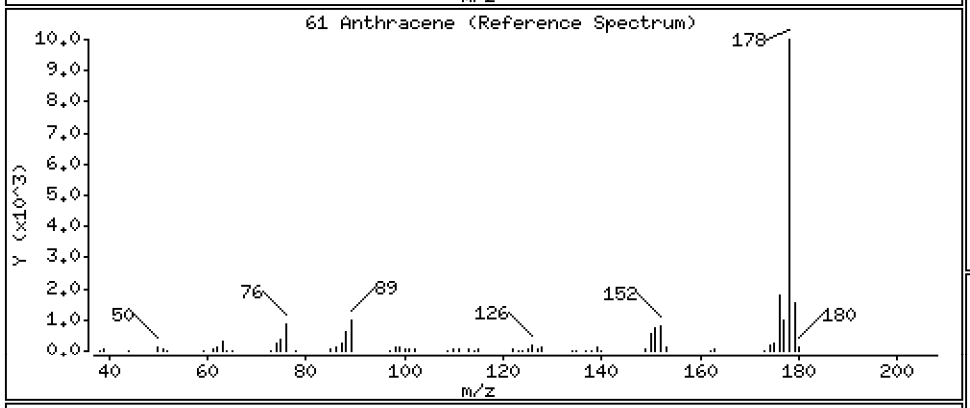
Column diameter: 0.25

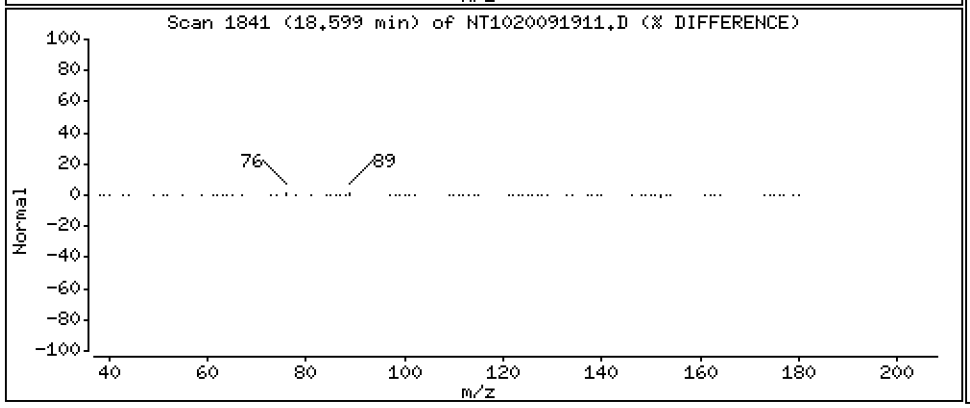
61 Anthracene

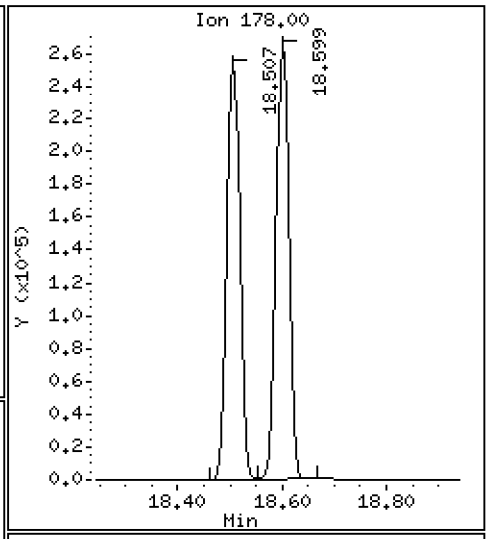
Concentration: 4.705 ug/mL

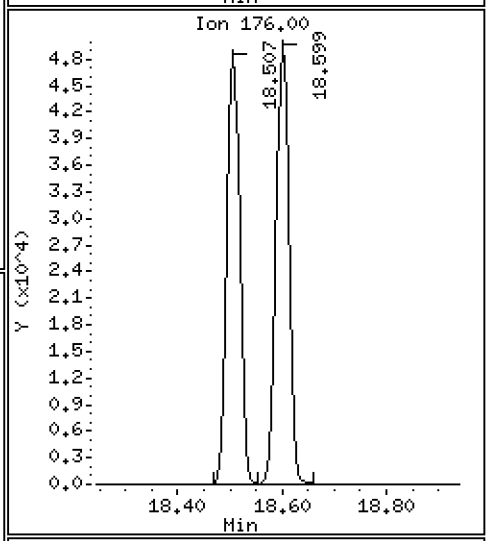


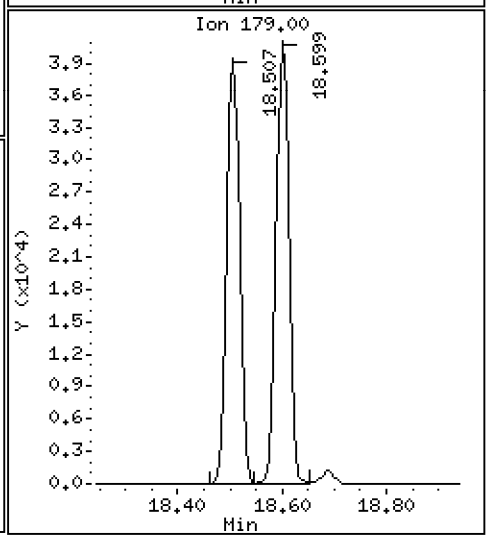












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

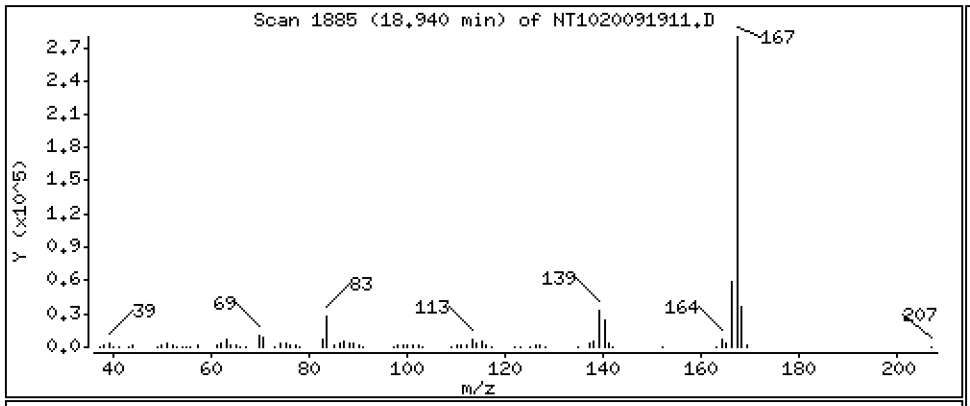
Operator: VTS

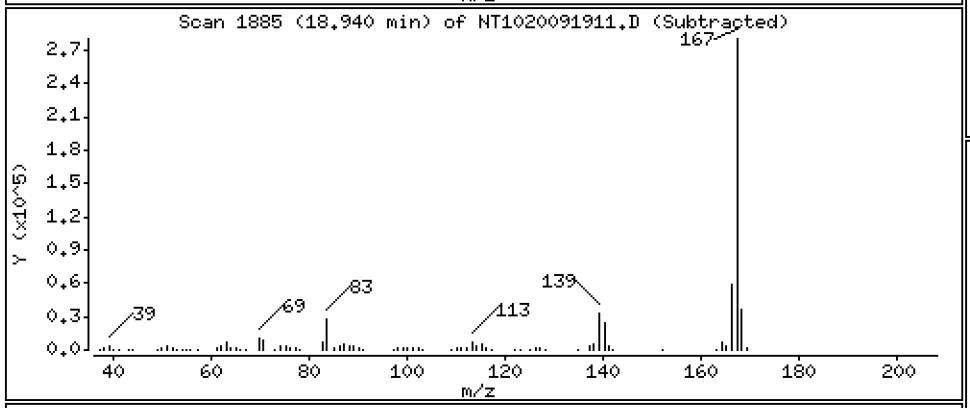
Column phase: ZB-5msi

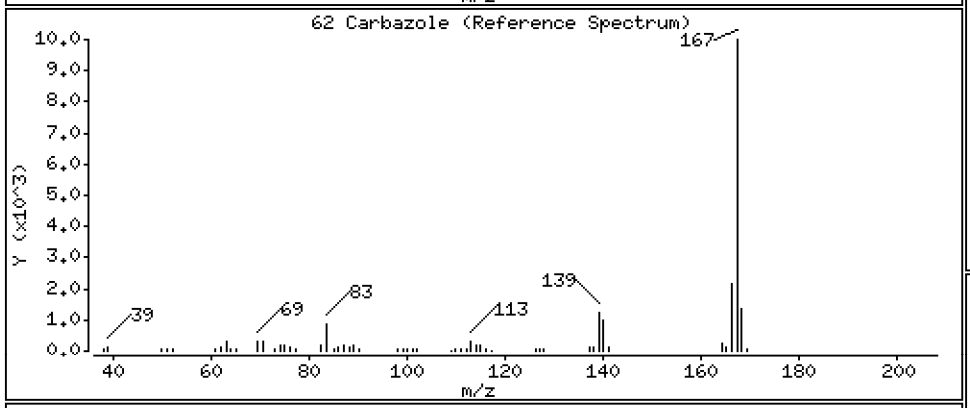
Column diameter: 0.25

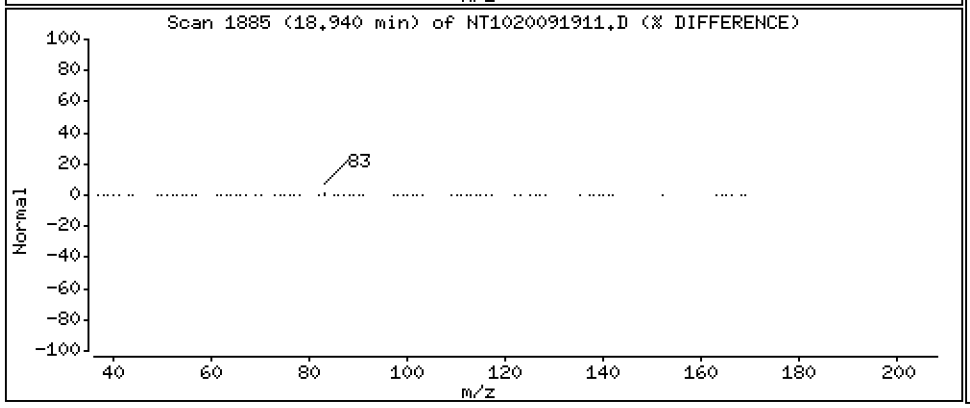
62 Carbazole

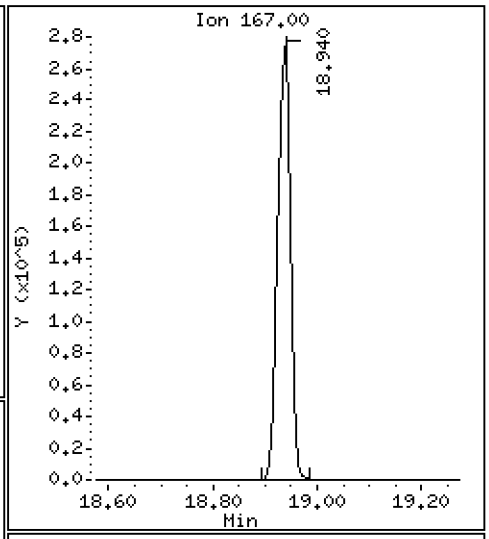
Concentration: 4.810 ug/mL

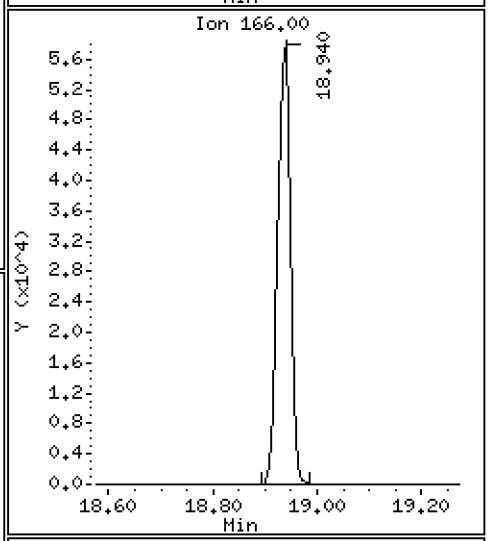


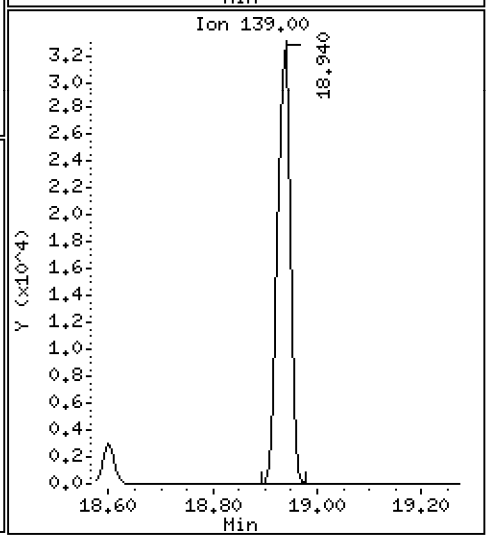












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

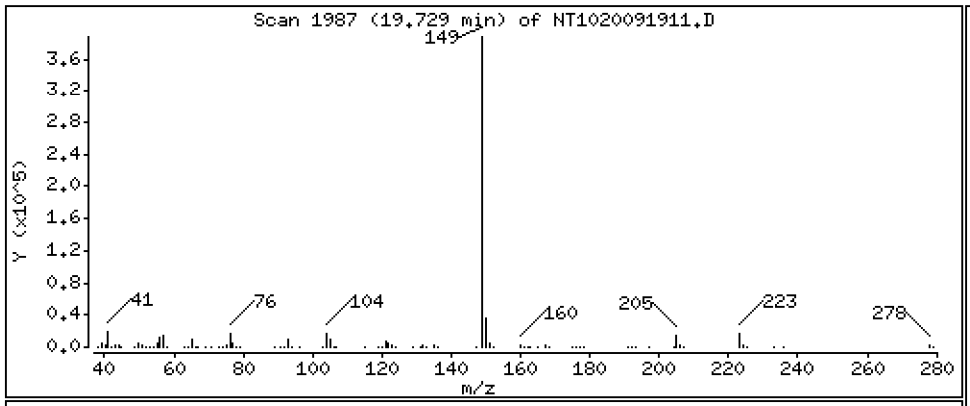
Operator: VTS

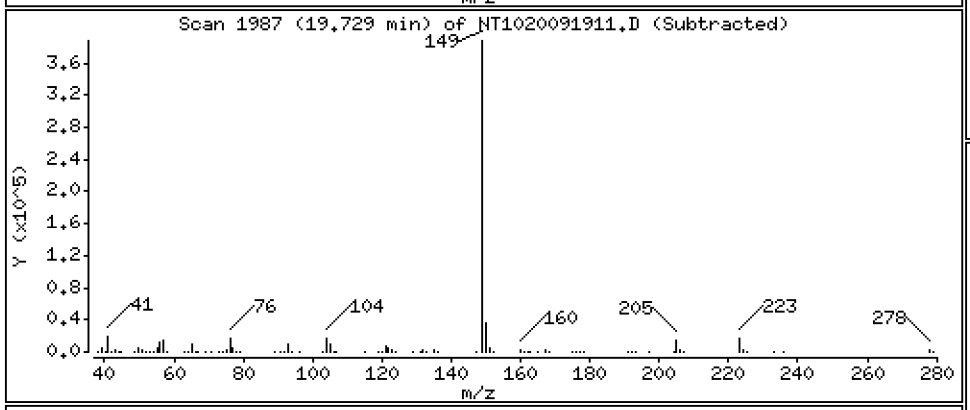
Column phase: ZB-5msi

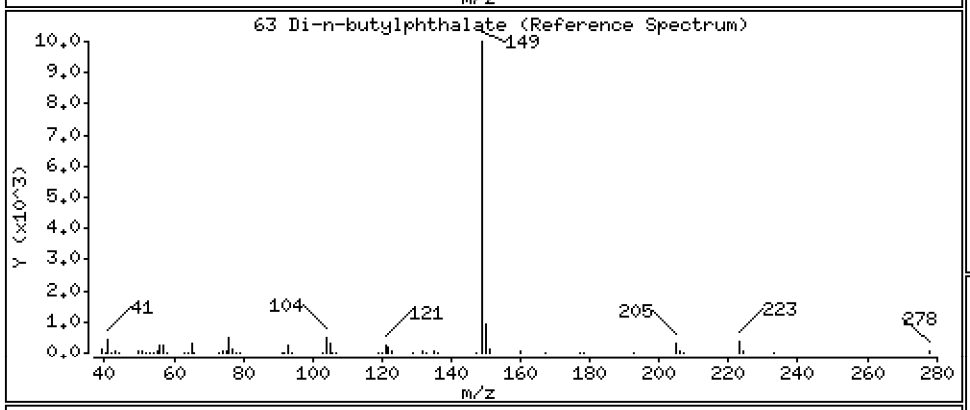
Column diameter: 0.25

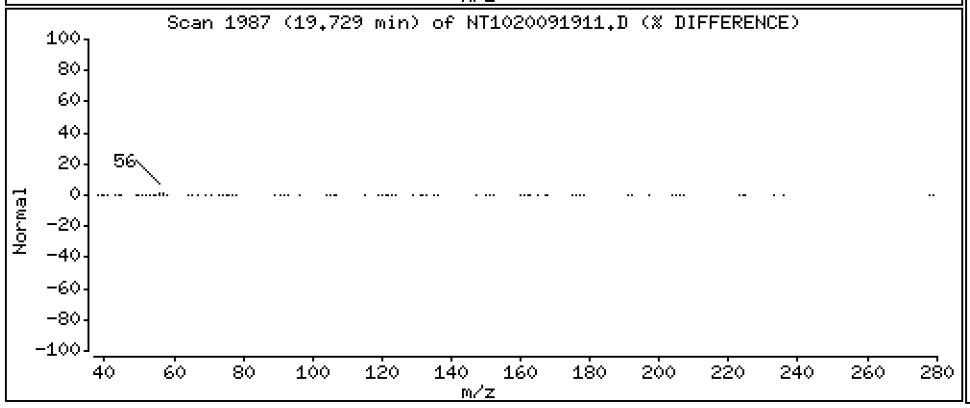
63 Di-n-butylphthalate

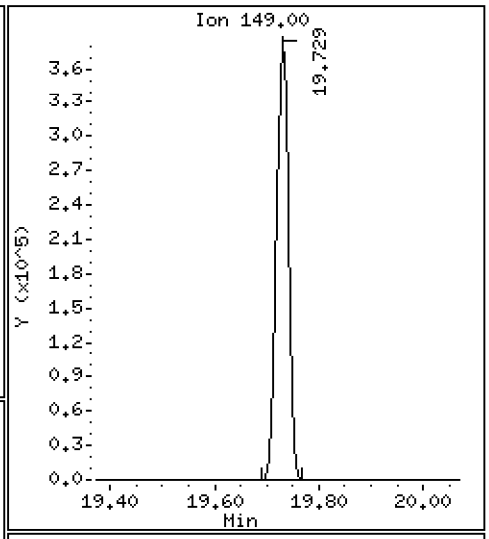
Concentration: 4.791 ug/mL

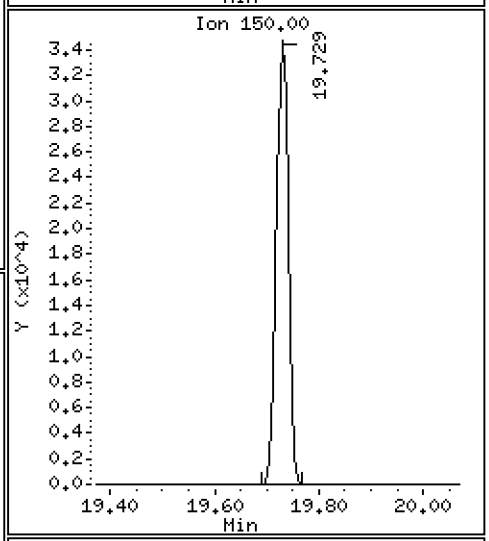


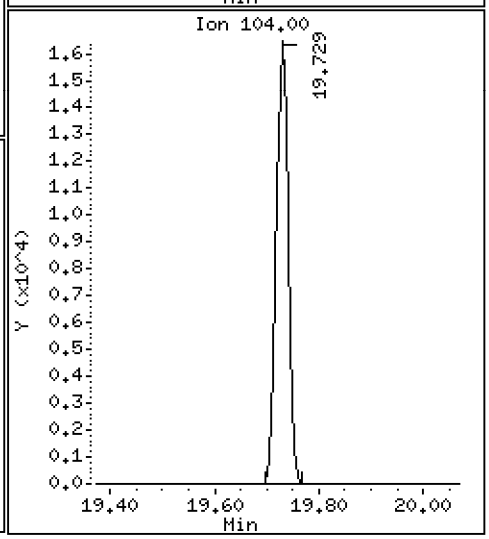












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

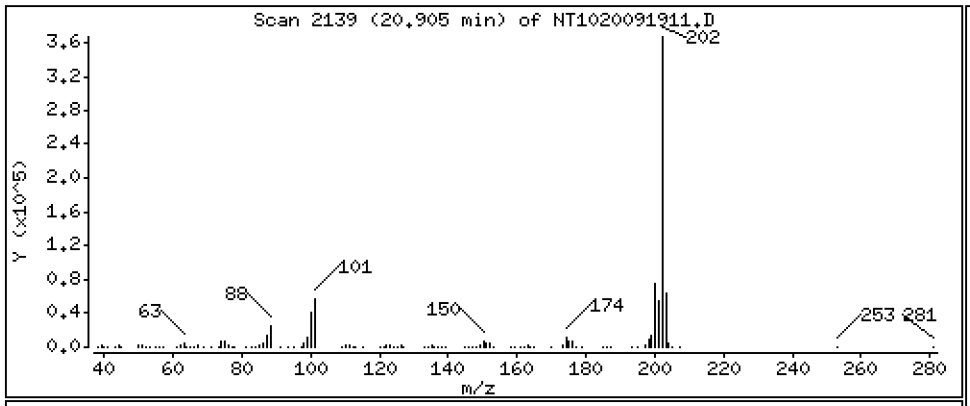
Operator: VTS

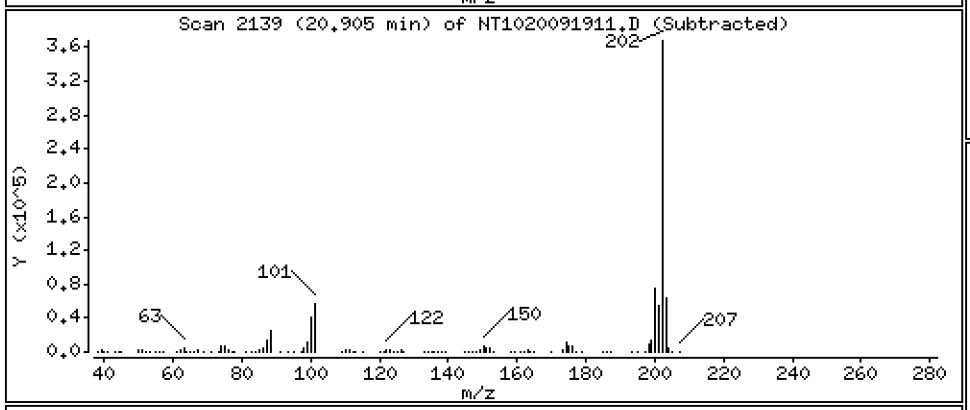
Column phase: ZB-5msi

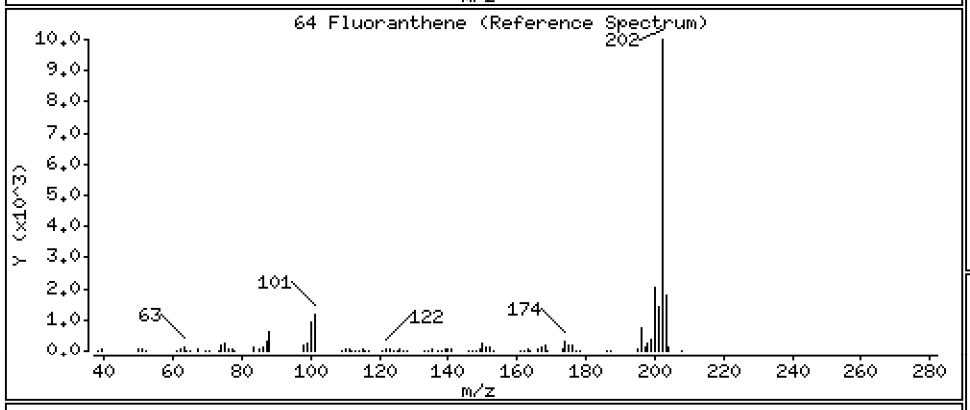
Column diameter: 0.25

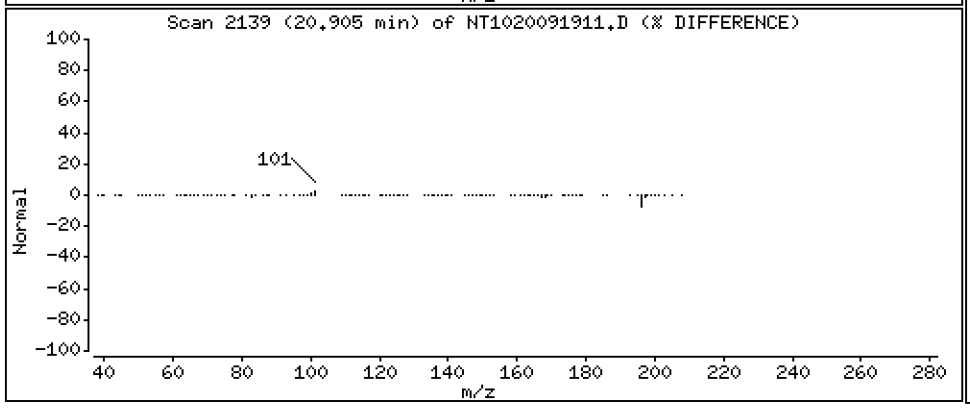
64 Fluoranthene

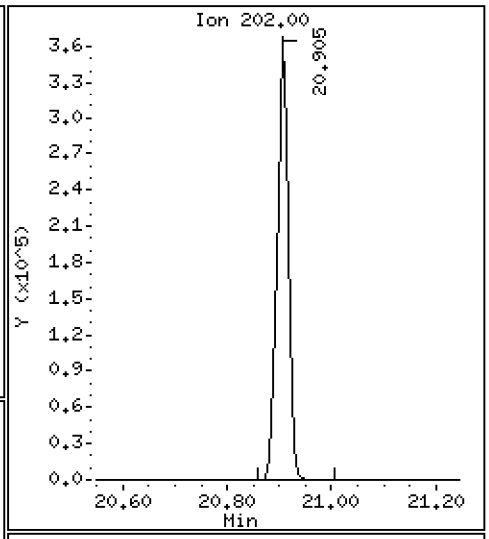
Concentration: 4.530 ug/mL

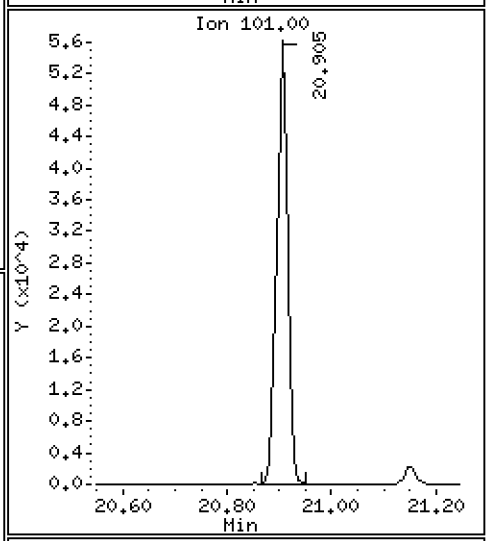


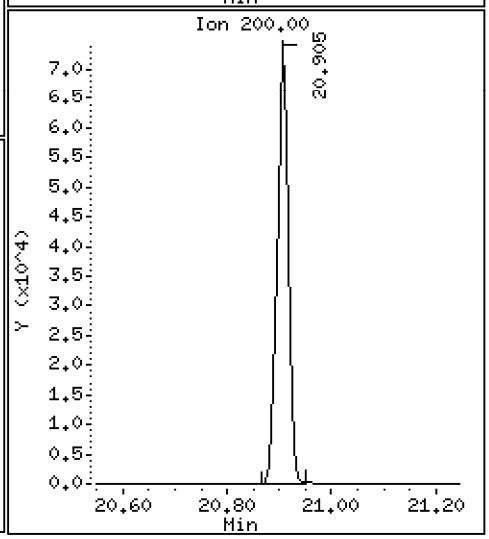












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

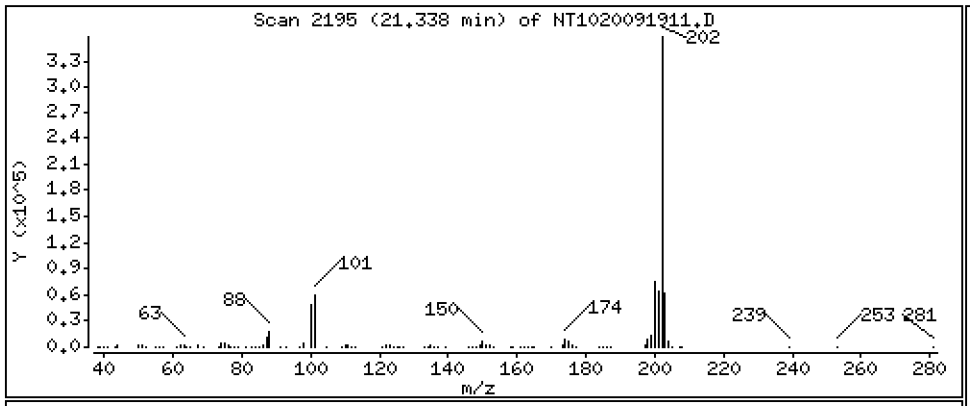
Operator: VTS

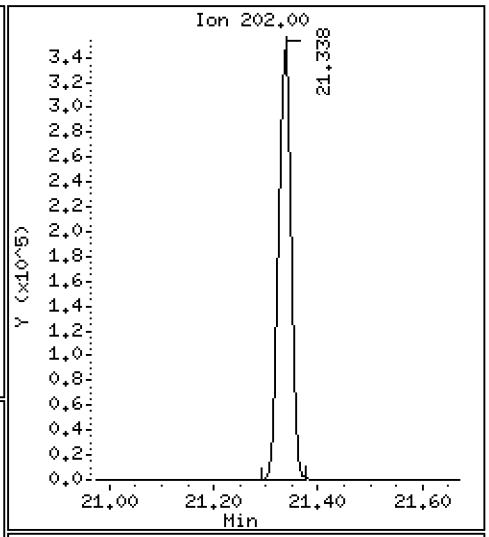
Column phase: ZB-5msi

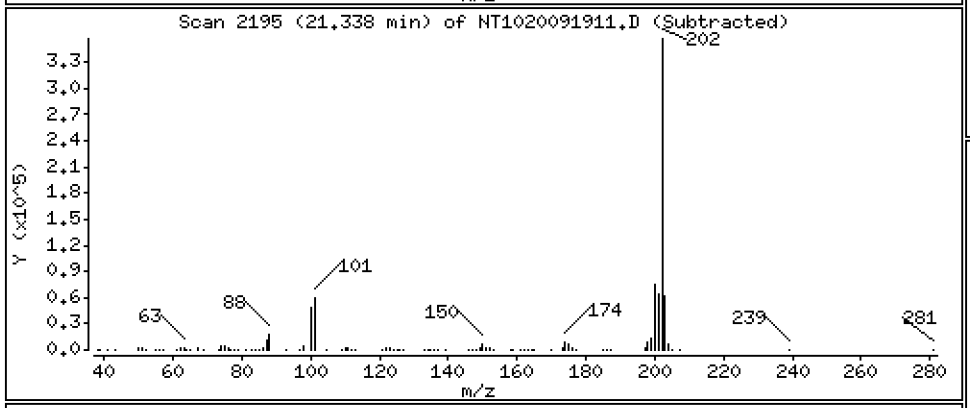
Column diameter: 0.25

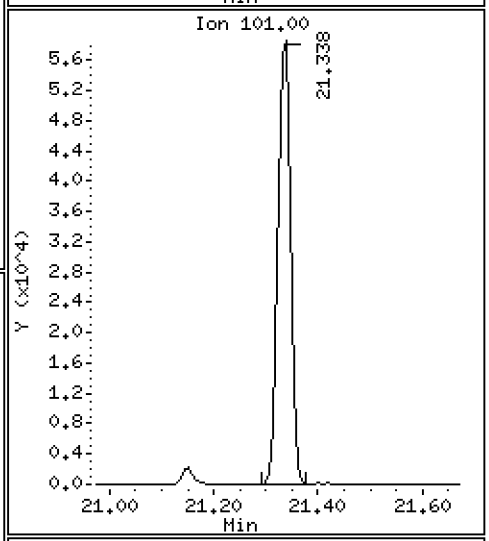
65 Pyrene

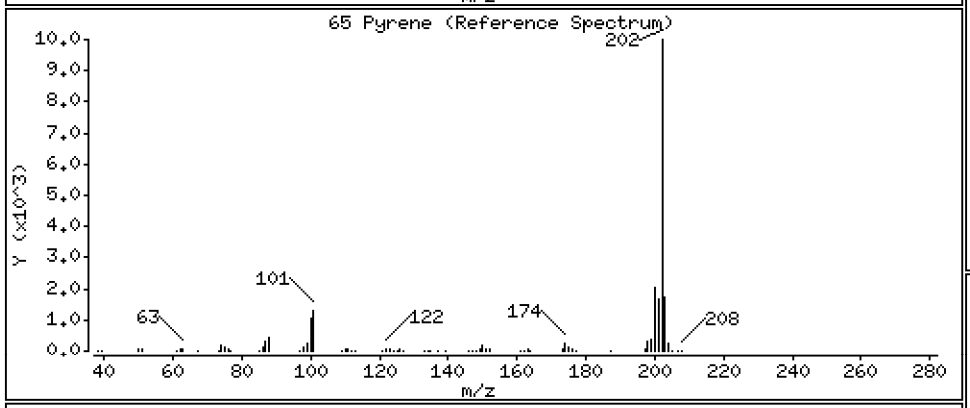
Concentration: 4.716 ug/mL

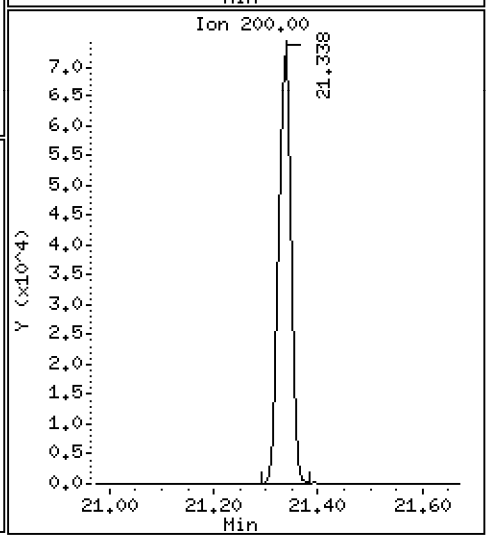


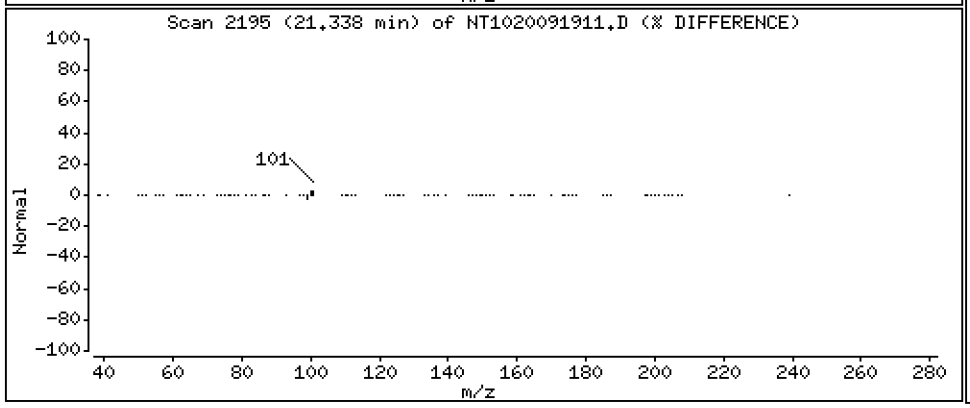












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

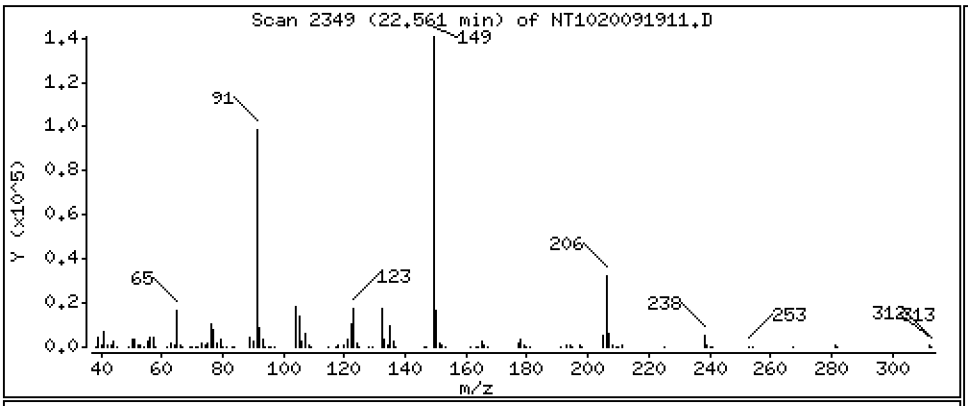
Operator: VTS

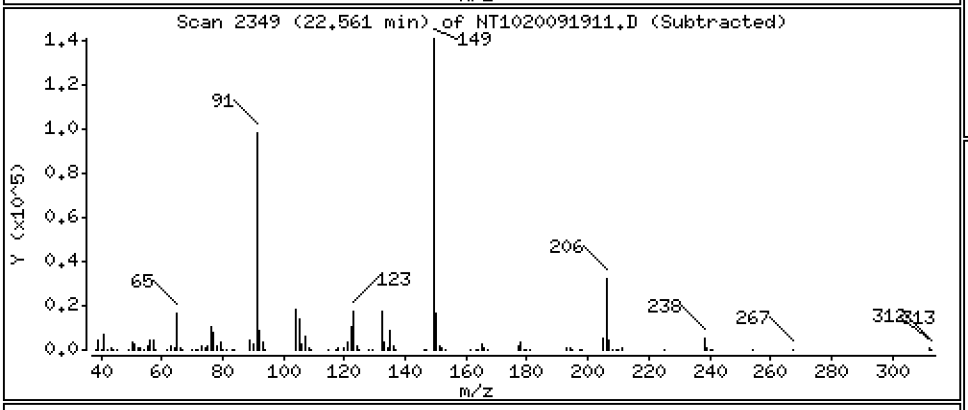
Column phase: ZB-5msi

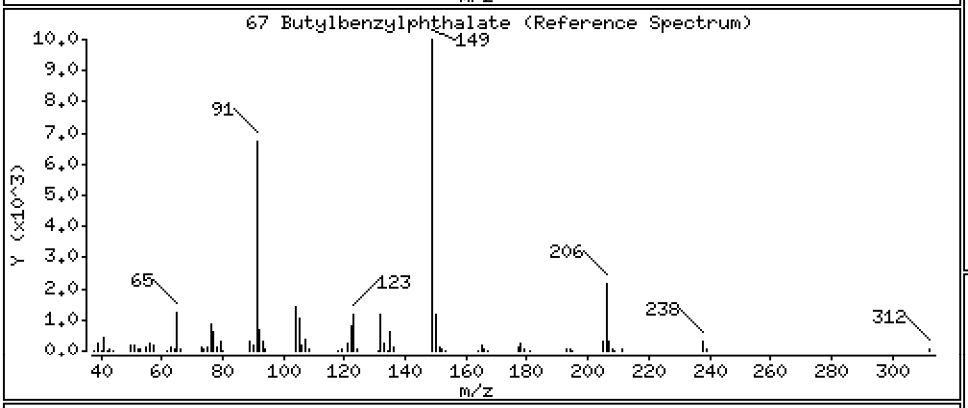
Column diameter: 0.25

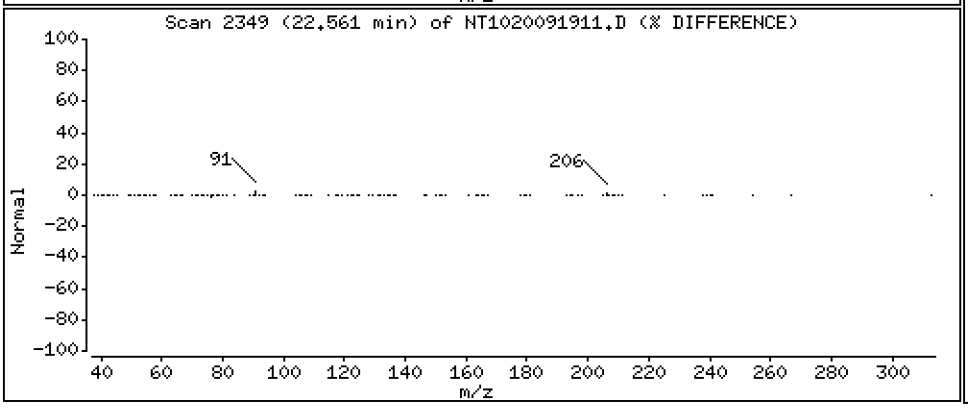
67 Butylbenzylphthalate

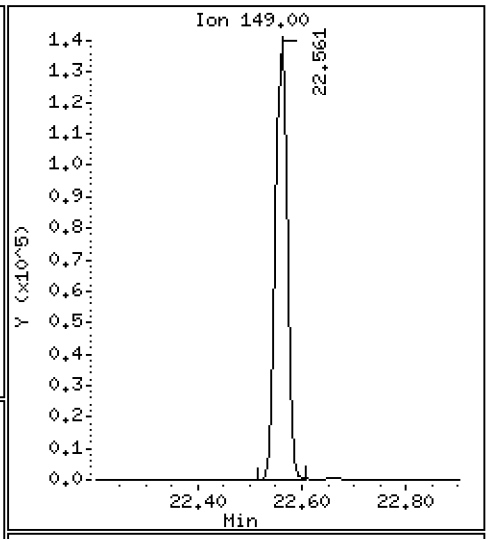
Concentration: 4.812 ug/mL

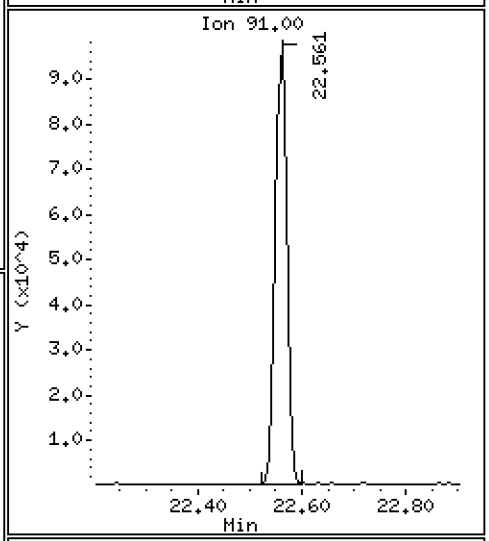


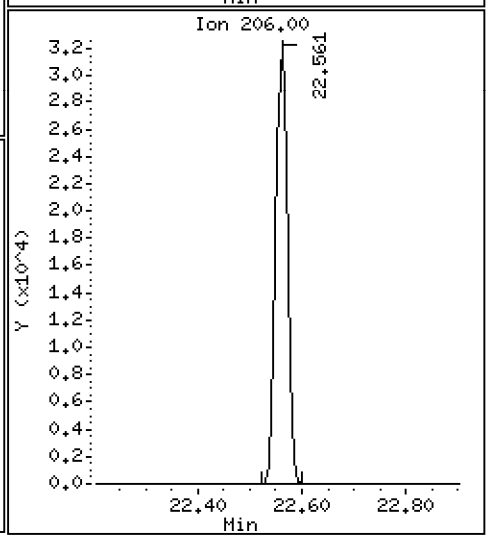












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

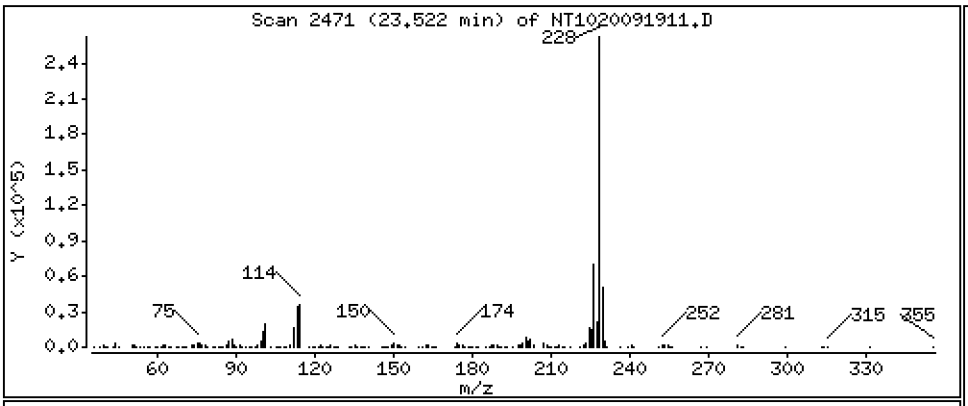
Operator: VTS

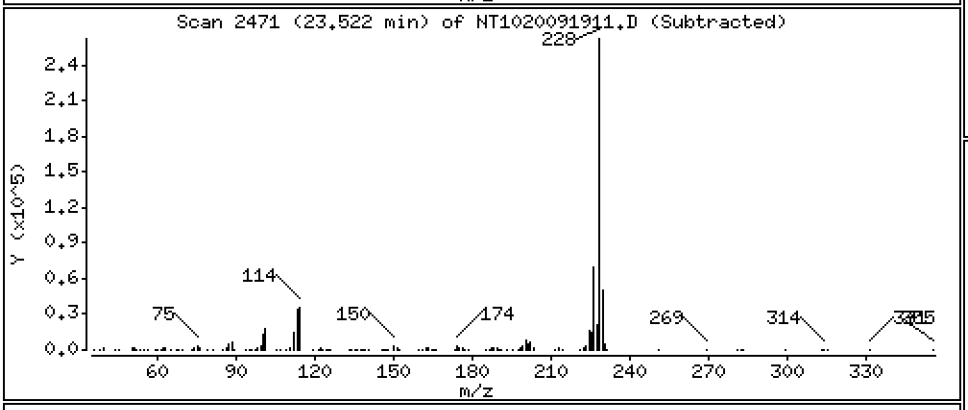
Column phase: ZB-5msi

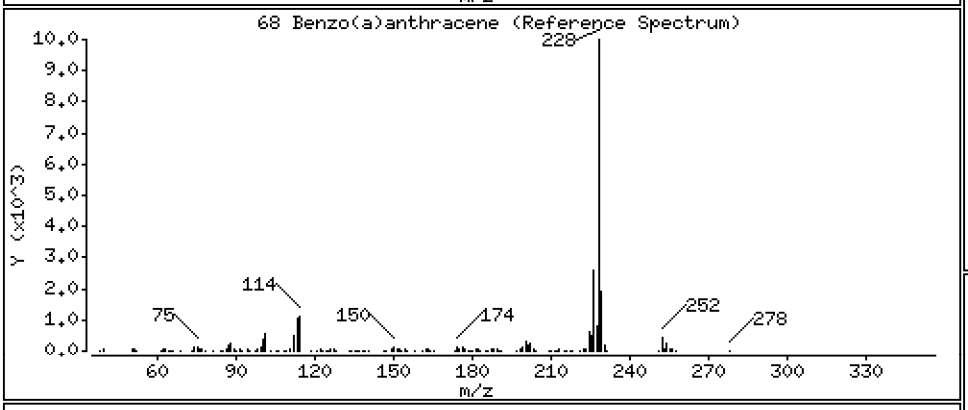
Column diameter: 0.25

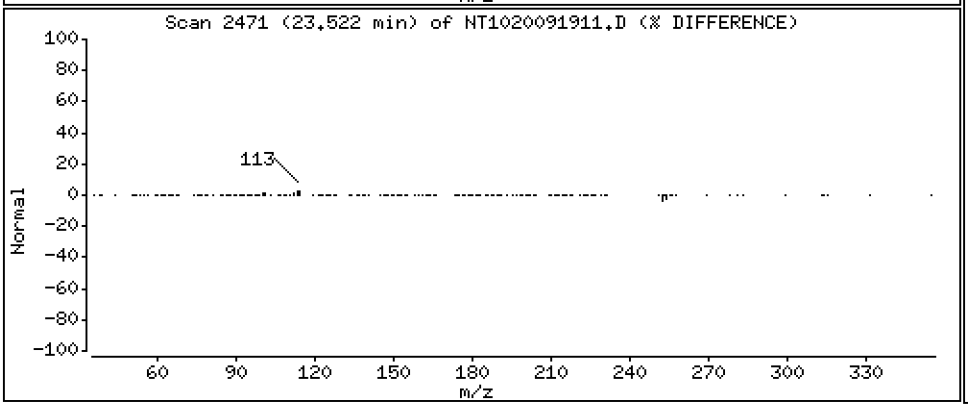
68 Benzo(a)anthracene

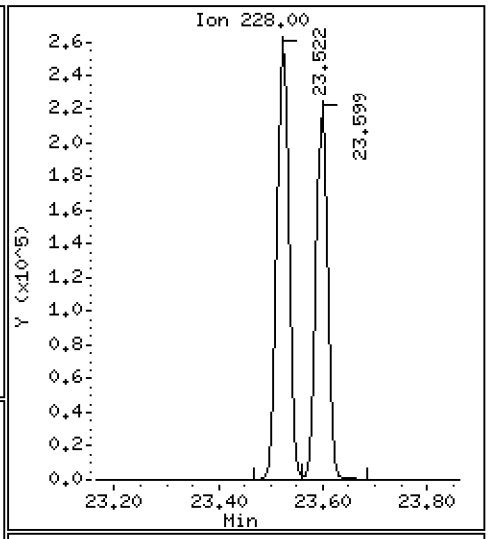
Concentration: 4.727 ug/mL

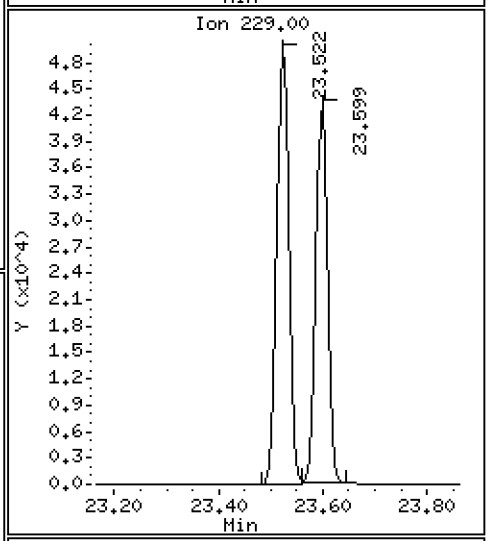


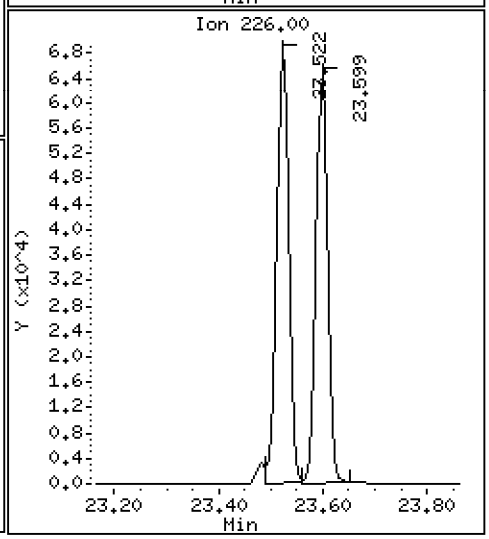












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

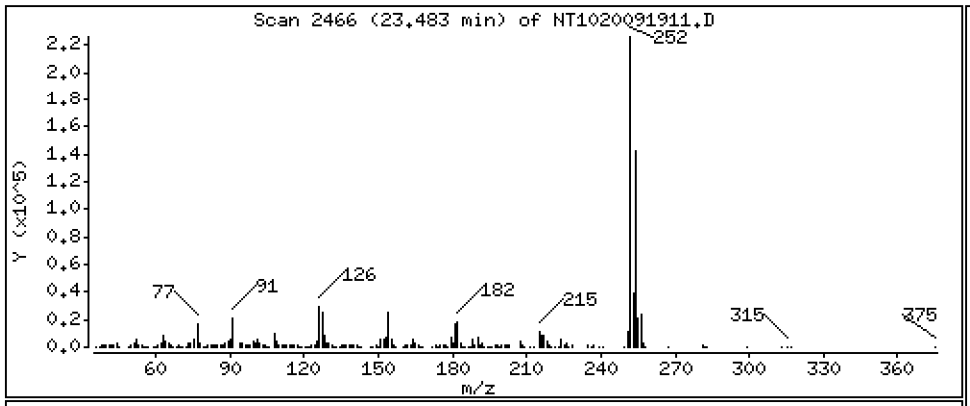
Operator: VTS

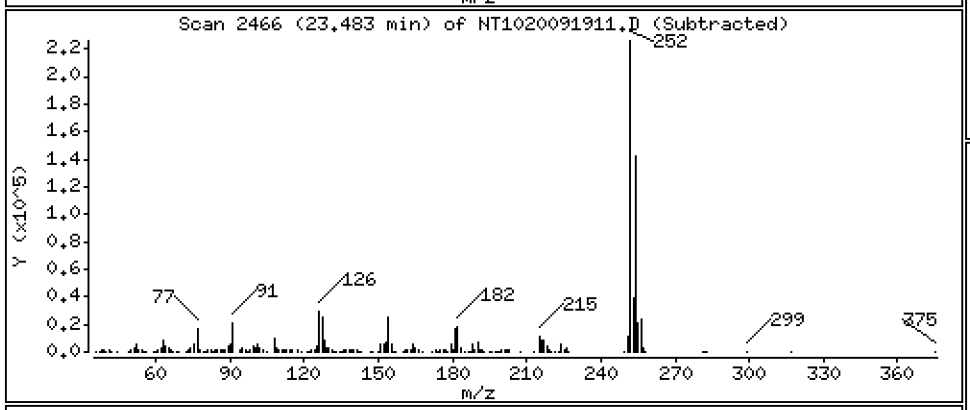
Column phase: ZB-5msi

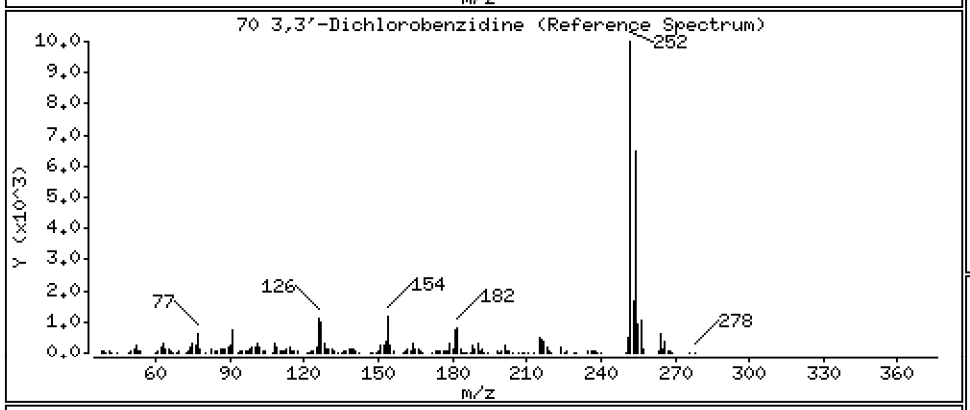
Column diameter: 0.25

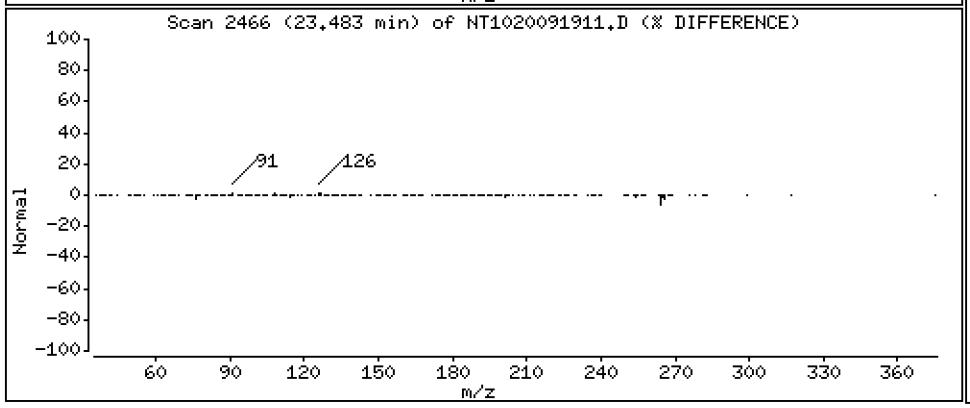
70 3,3'-Dichlorobenzidine

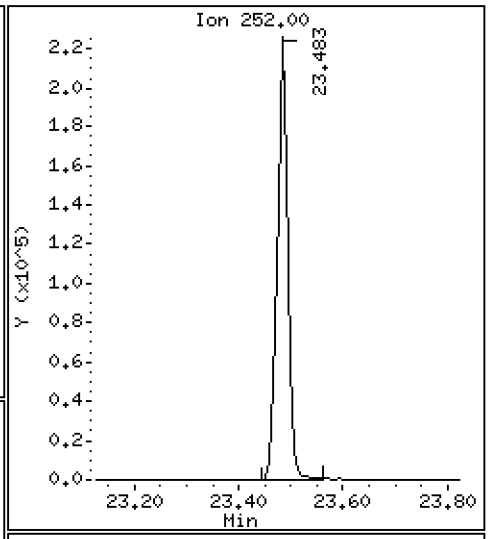
Concentration: 10.10 ug/mL

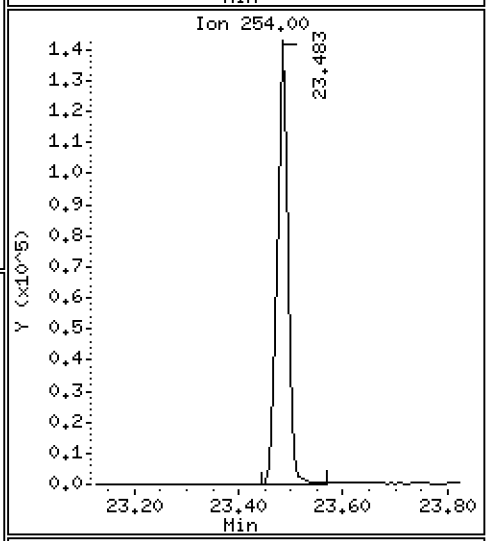


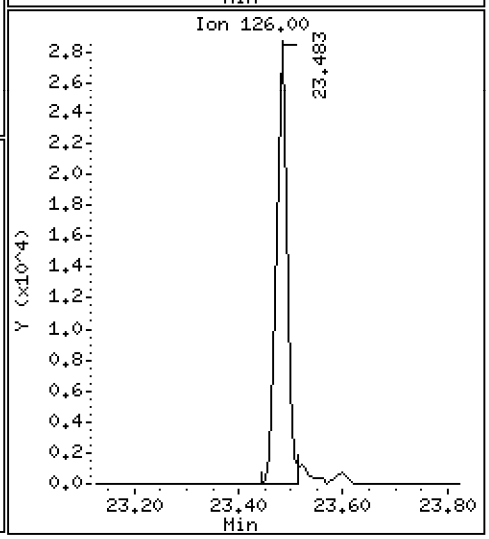












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

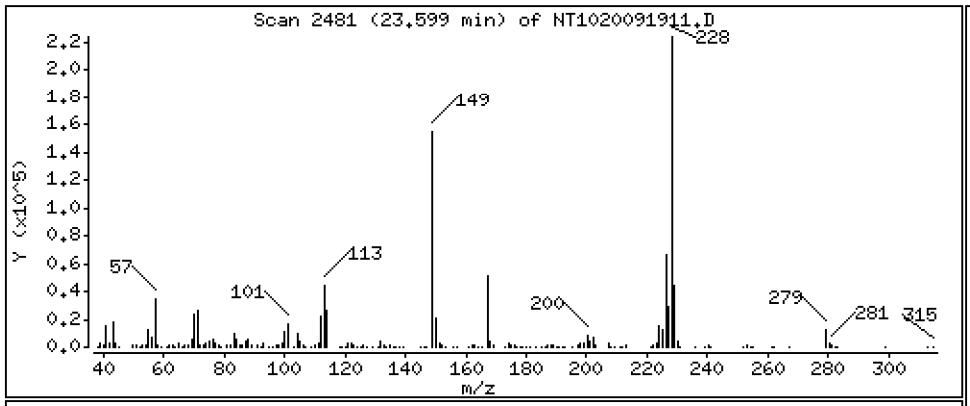
Operator: VTS

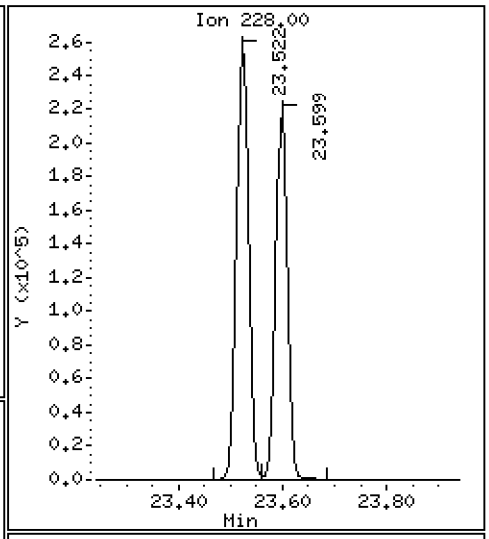
Column phase: ZB-5msi

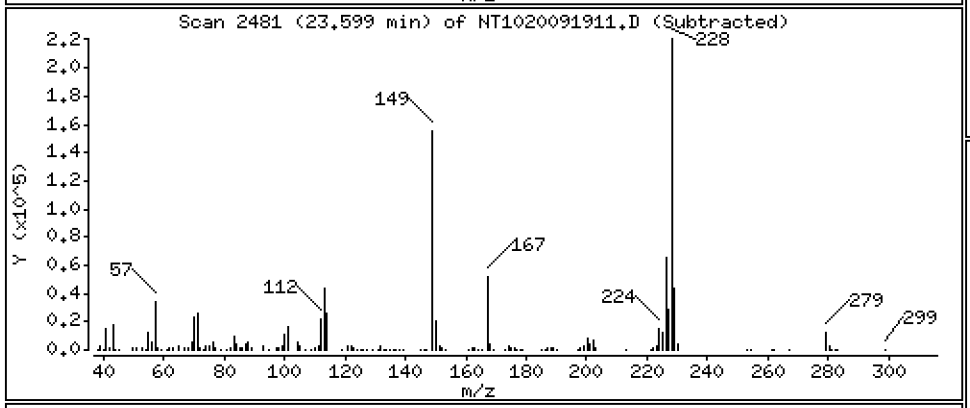
Column diameter: 0.25

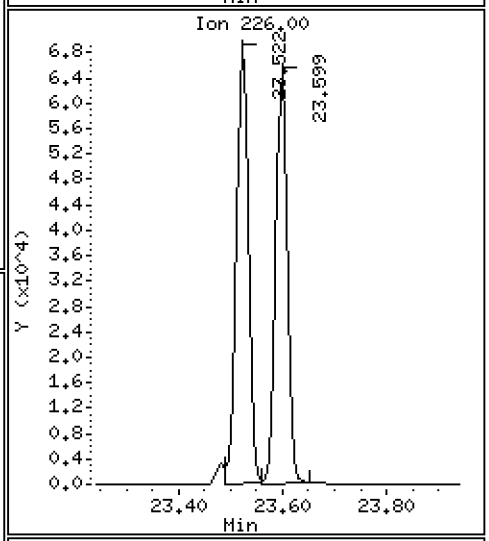
71 Chrysene

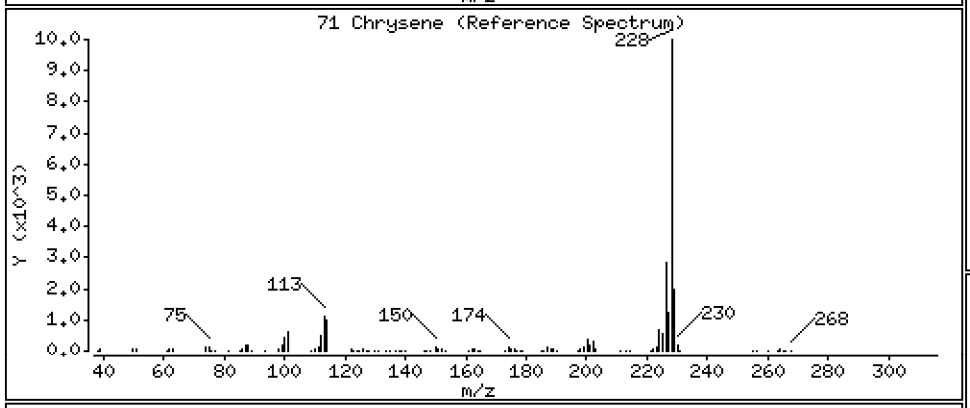
Concentration: 4.791 ug/mL

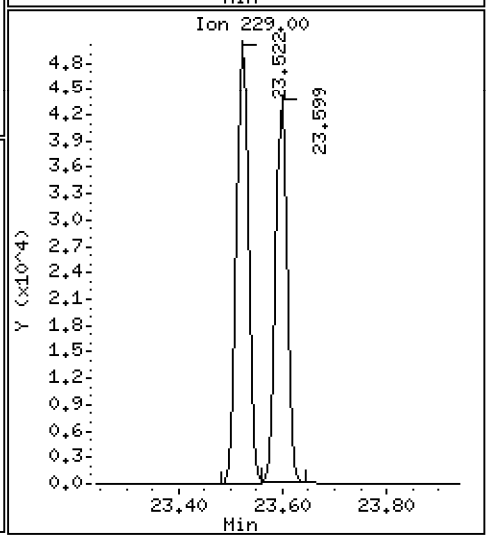


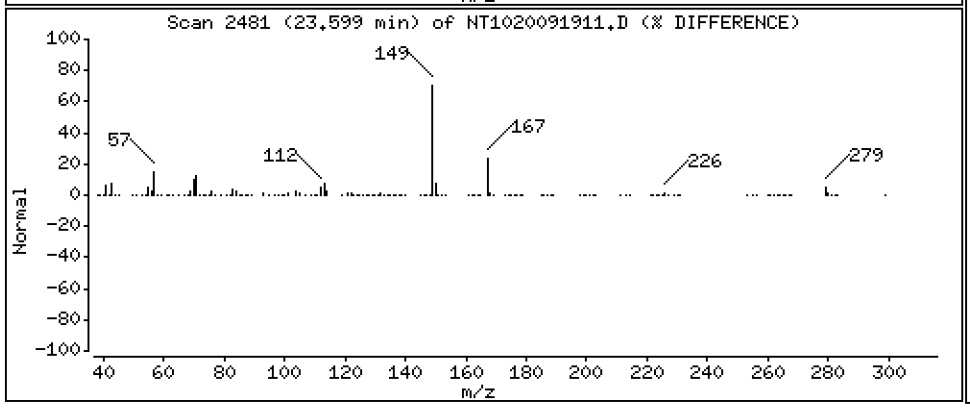












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

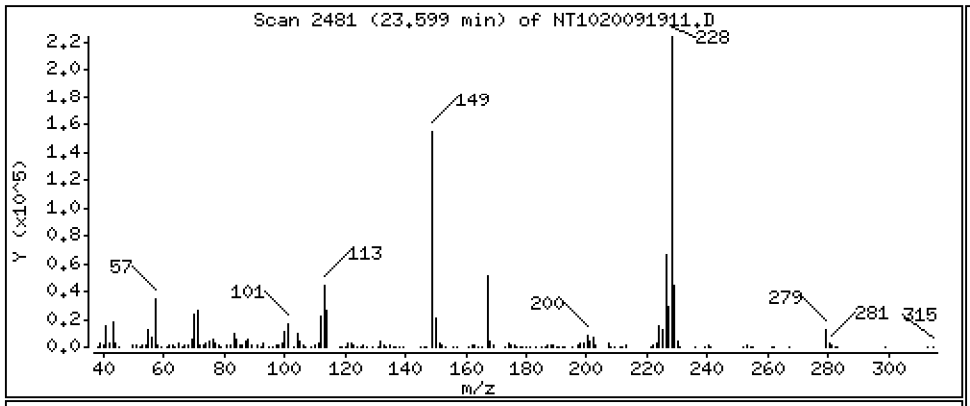
Operator: VTS

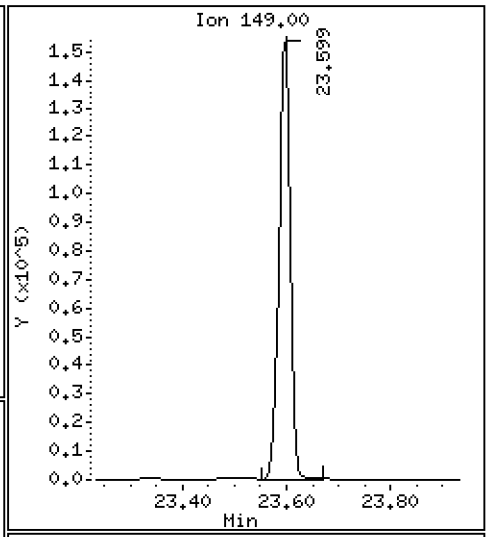
Column phase: ZB-5msi

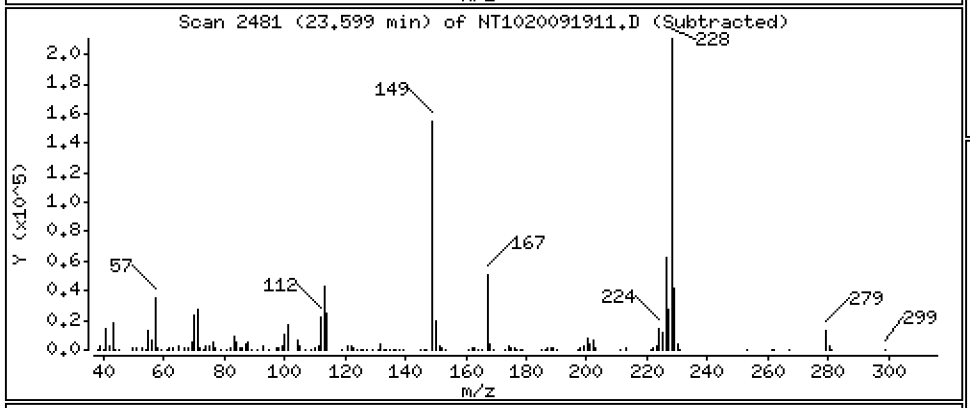
Column diameter: 0.25

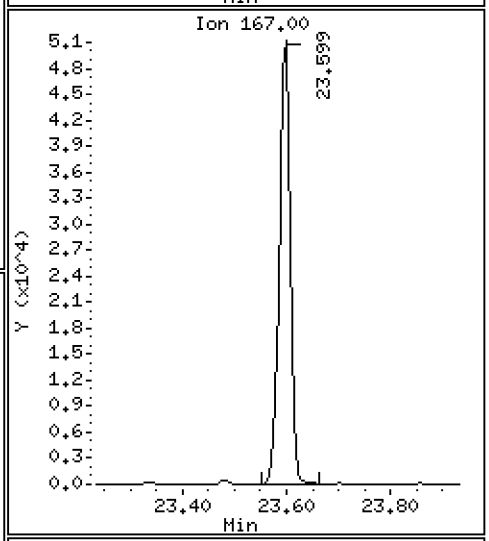
72 bis(2-Ethylhexyl)phthalate

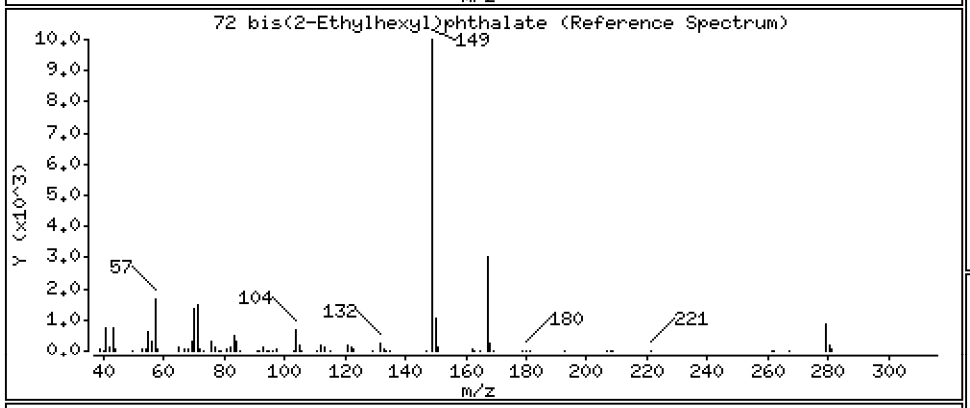
Concentration: 4.731 ug/mL

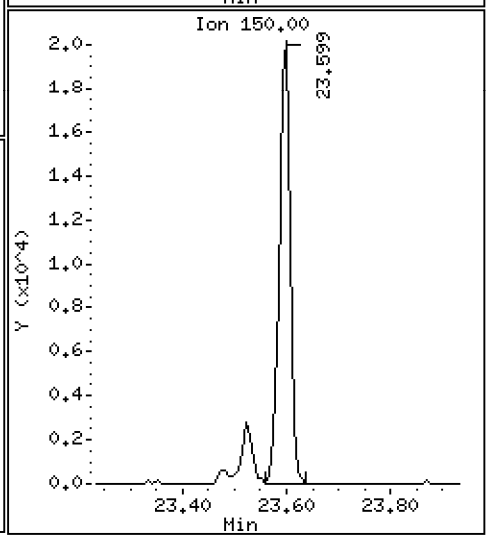


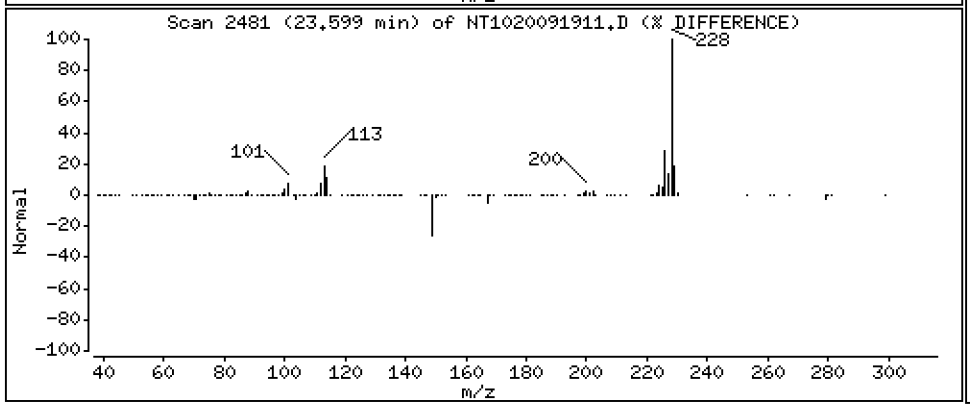












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

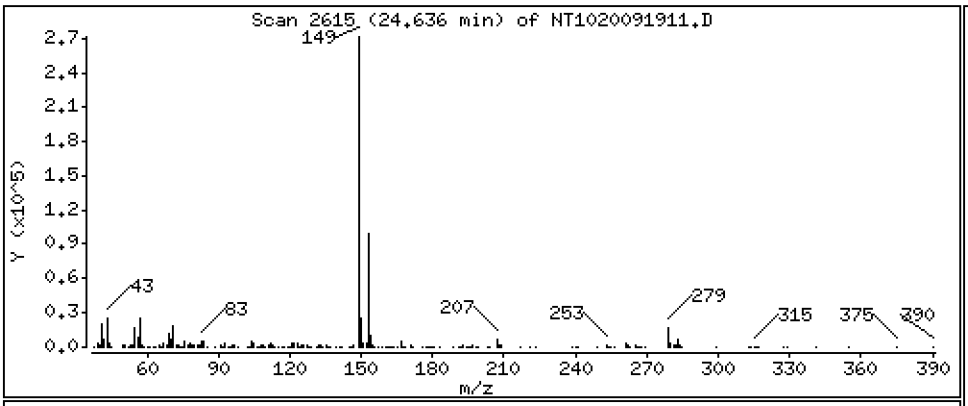
Client ID: Instrument: nt10.i

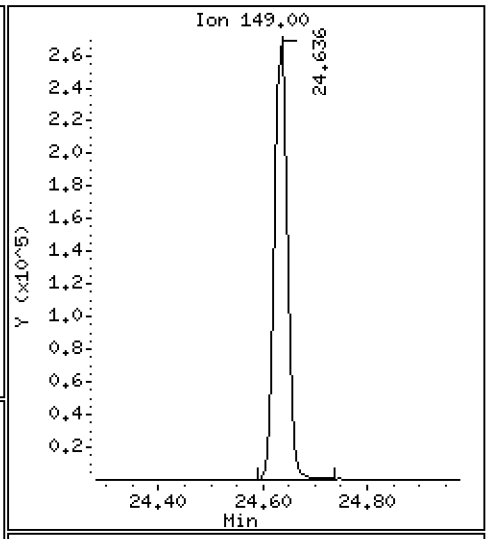
Sample Info: SII0276-SCV1

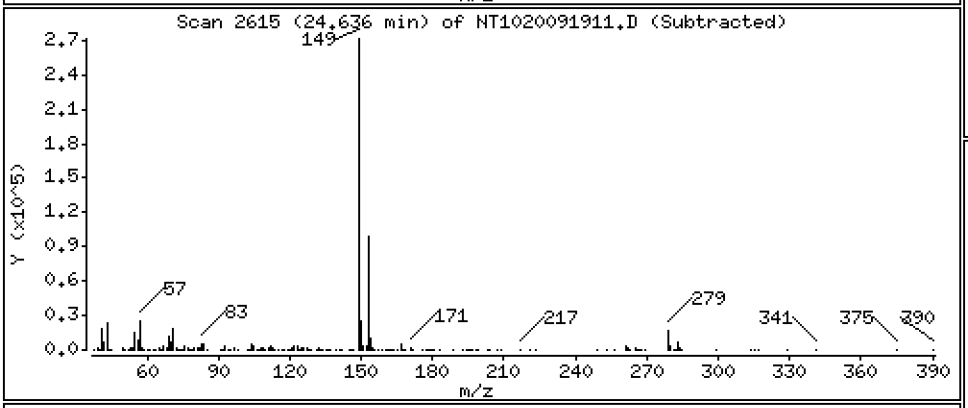
Operator: VTS

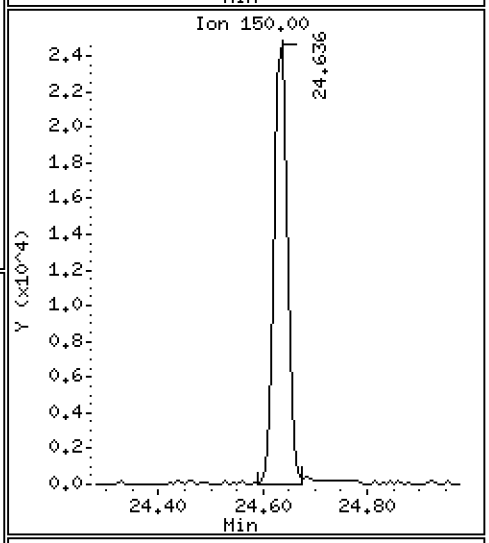
Column phase: ZB-5msi Column diameter: 0.25

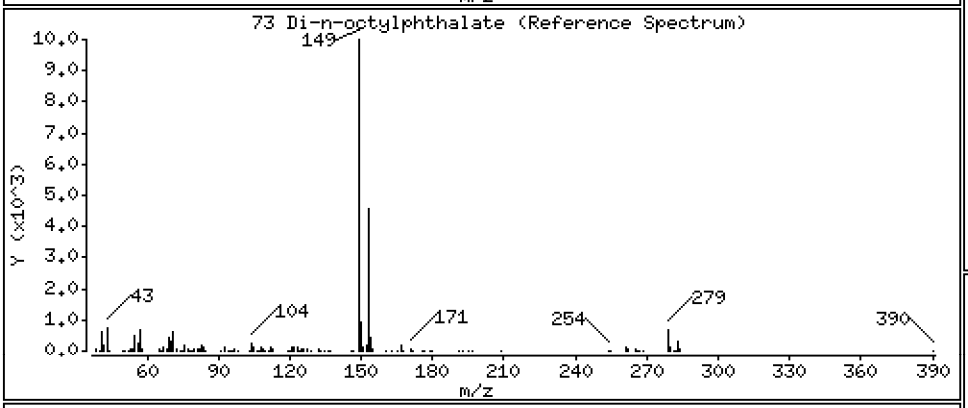
73 Di-n-octylphthalate Concentration: 4.854 ug/mL

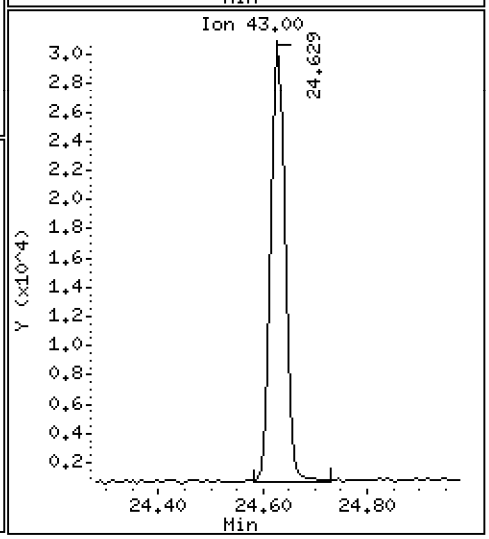


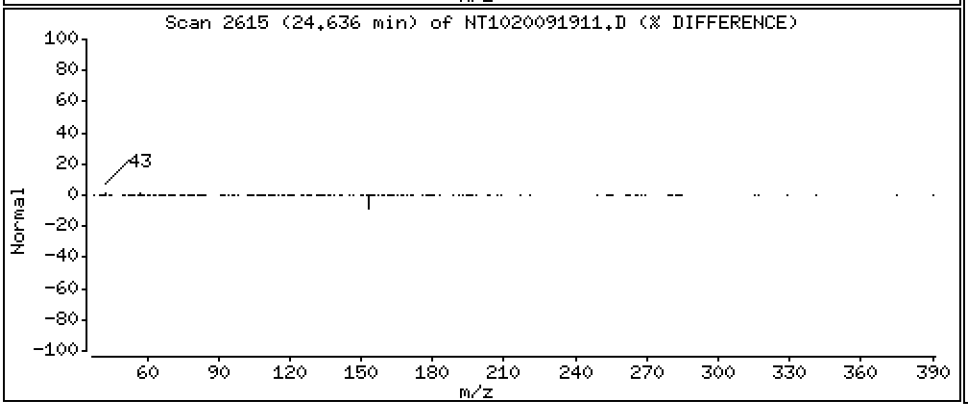












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

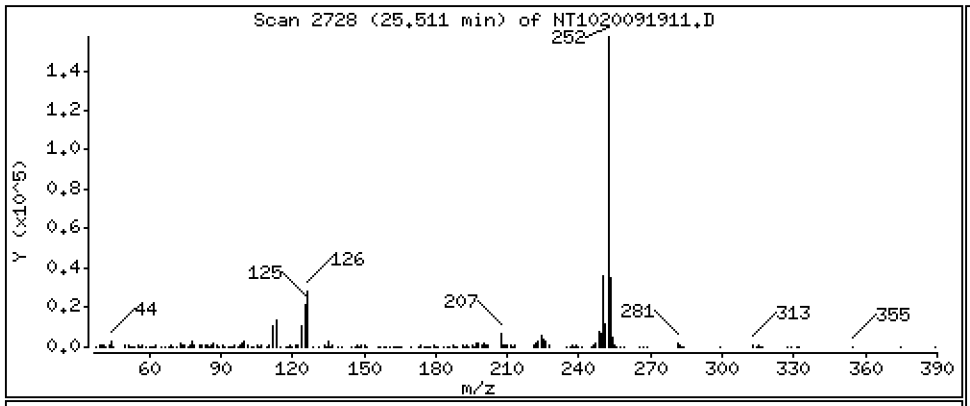
Operator: VTS

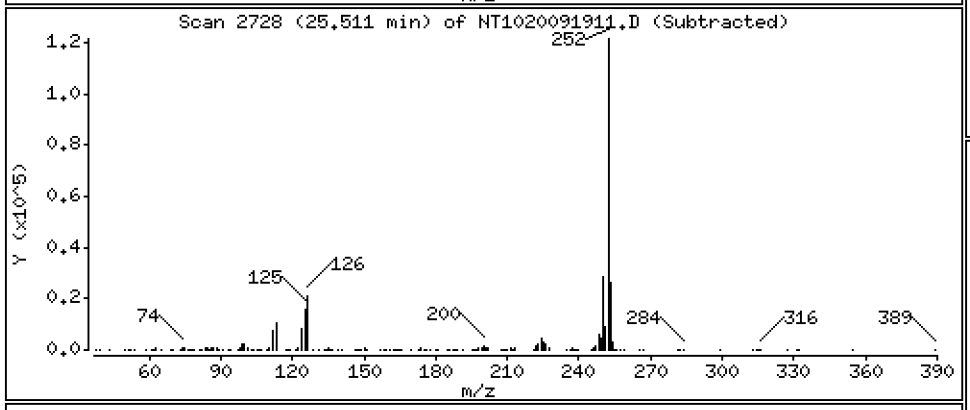
Column phase: ZB-5msi

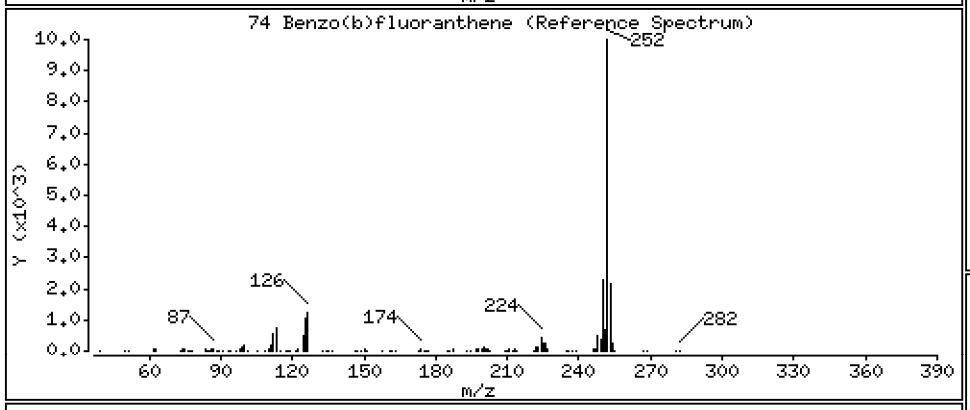
Column diameter: 0.25

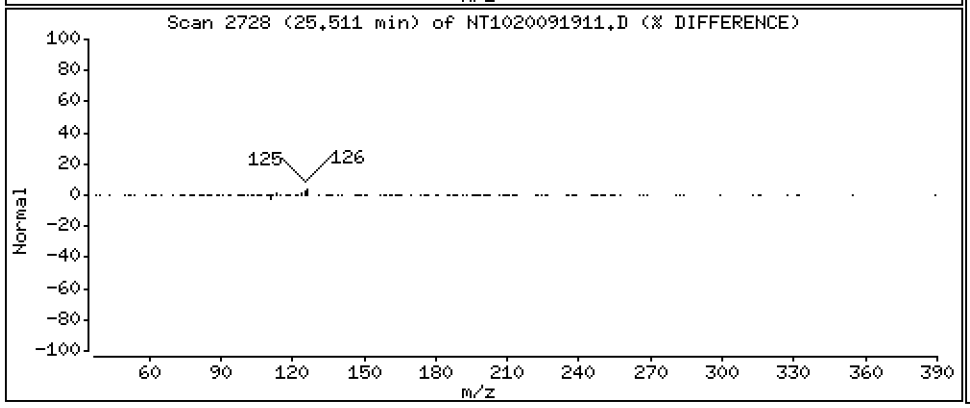
74 Benzo(b)fluoranthene

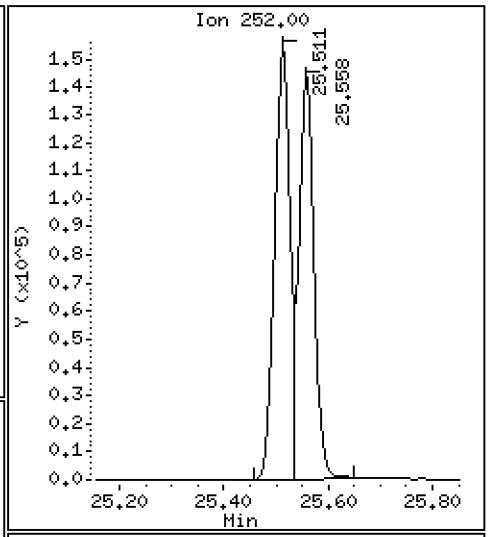
Concentration: 5.066 ug/mL

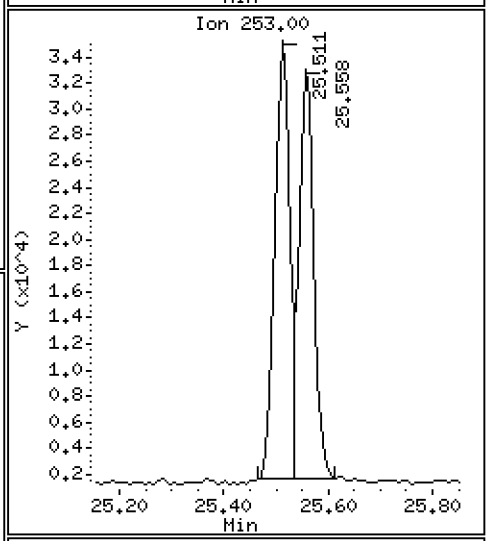


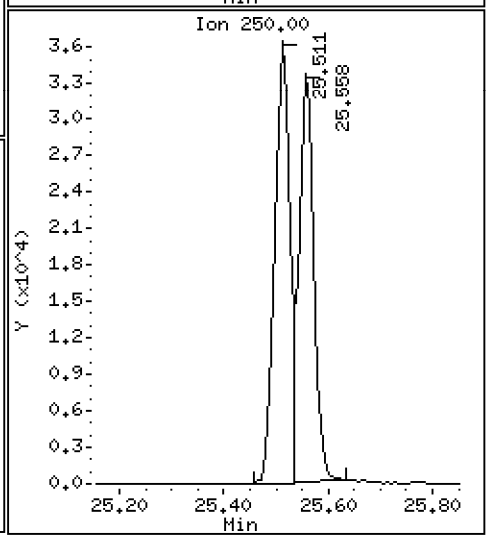












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

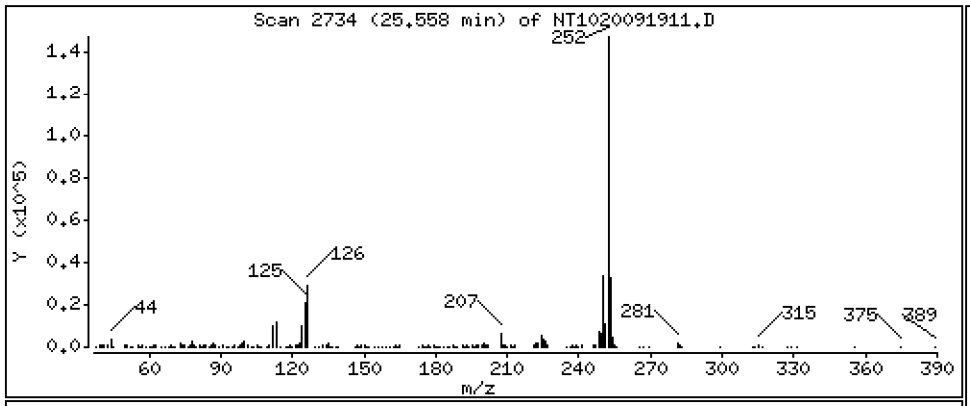
Operator: VTS

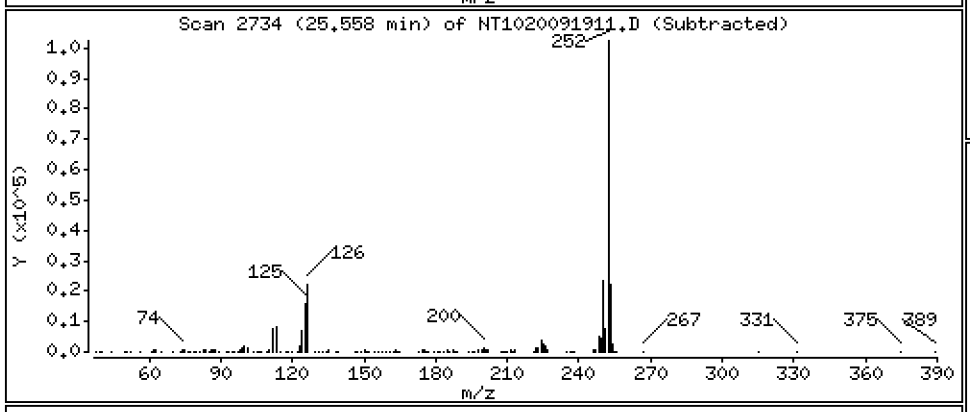
Column phase: ZB-5msi

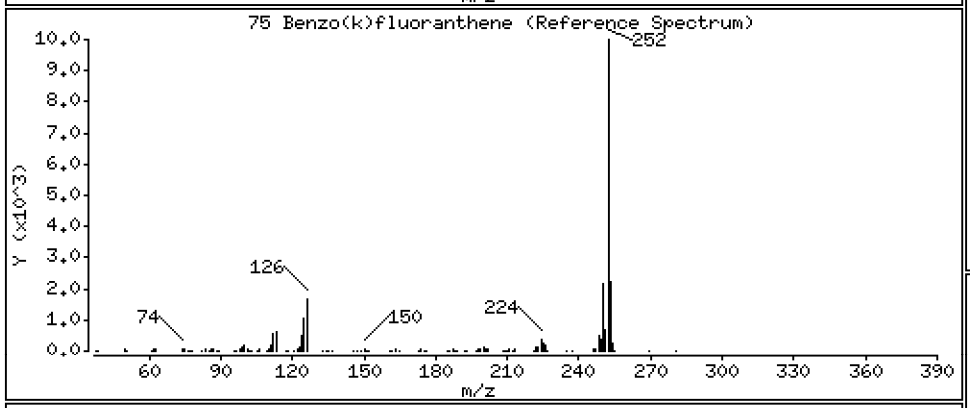
Column diameter: 0.25

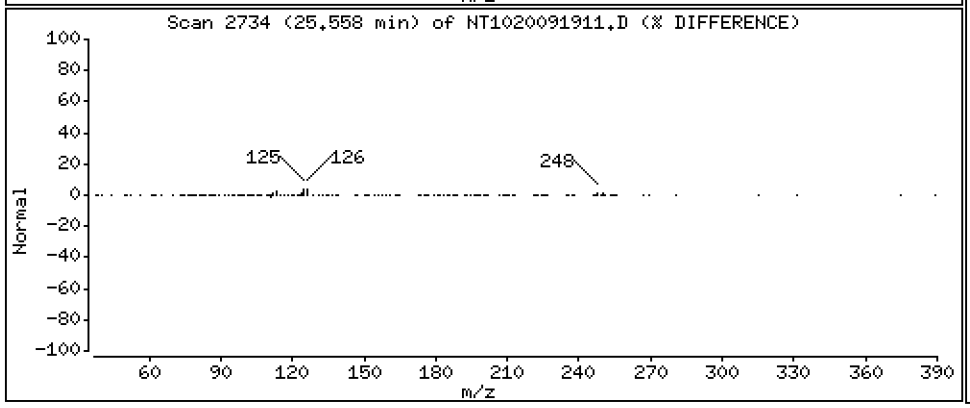
75 Benzo(k)fluoranthene

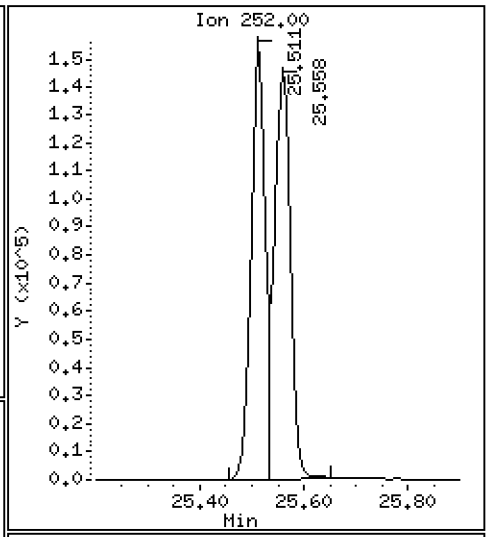
Concentration: 5.078 ug/mL

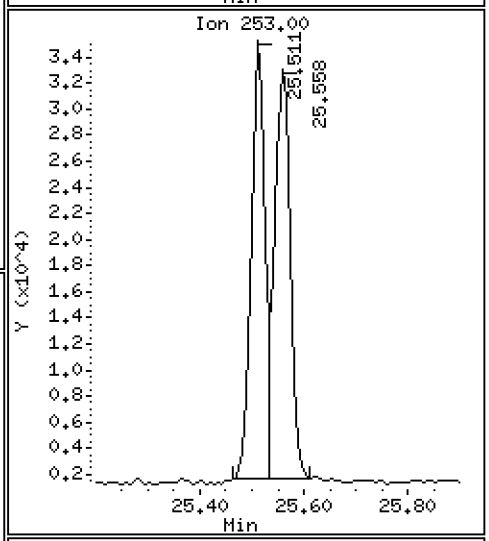


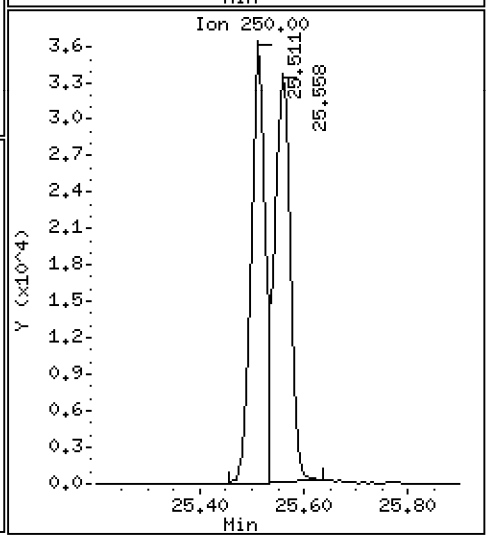












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

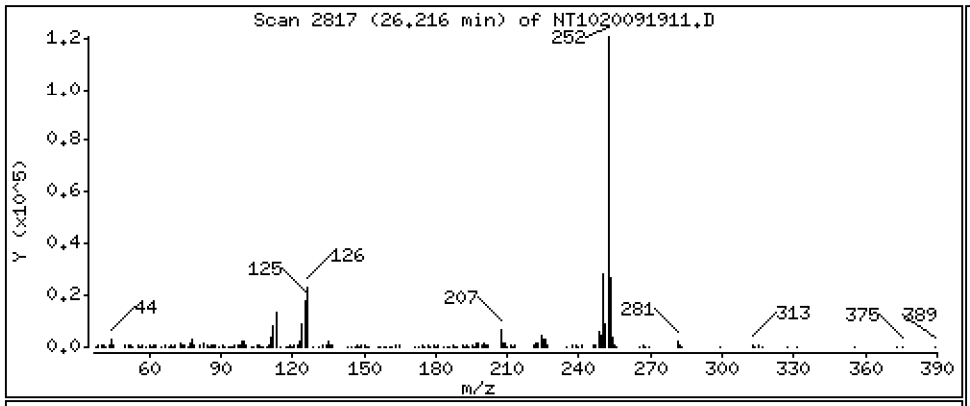
Operator: VTS

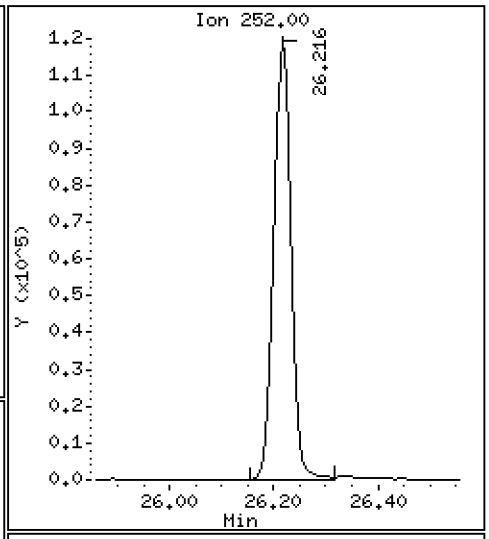
Column phase: ZB-5msi

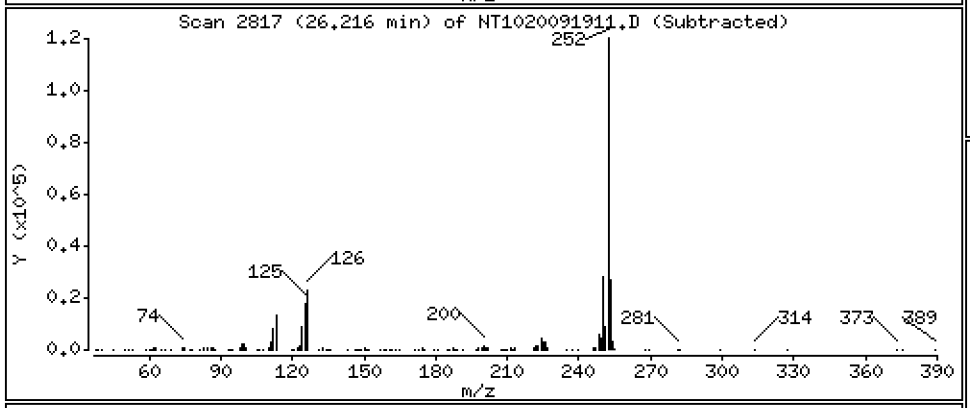
Column diameter: 0.25

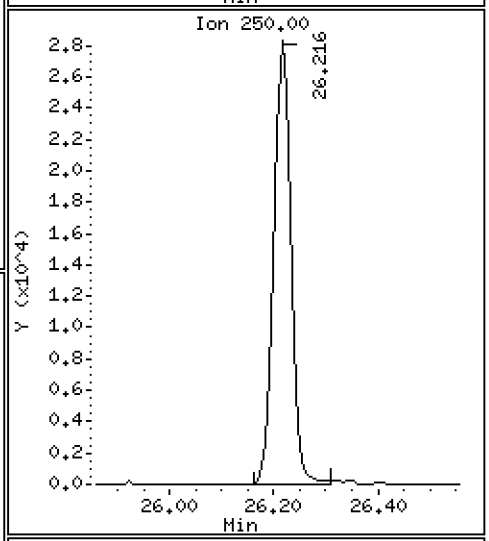
76 Benzo(a)pyrene

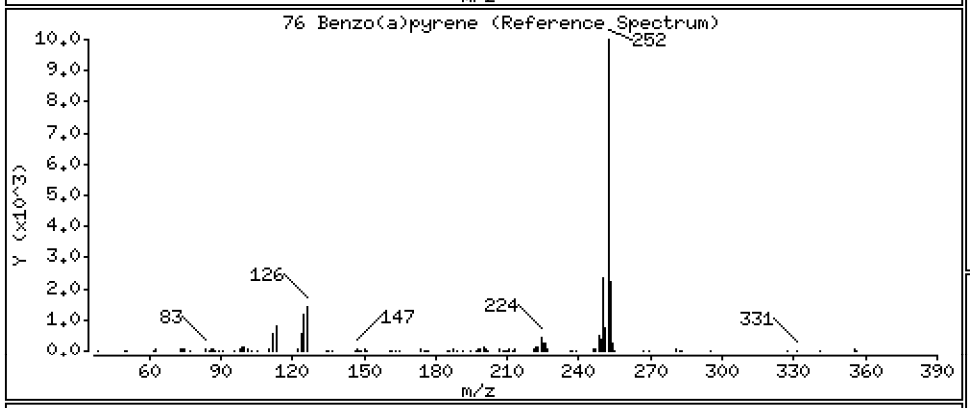
Concentration: 5.247 ug/mL

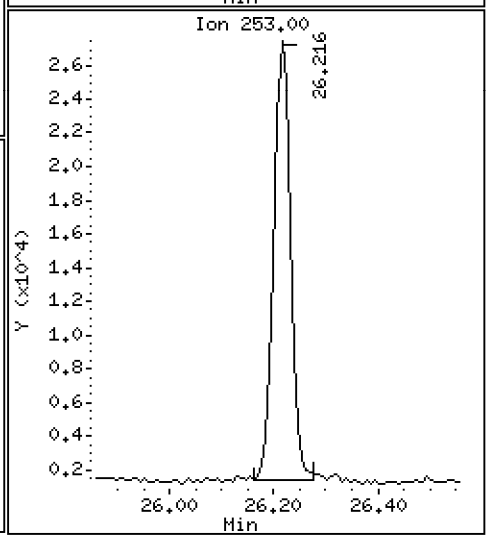


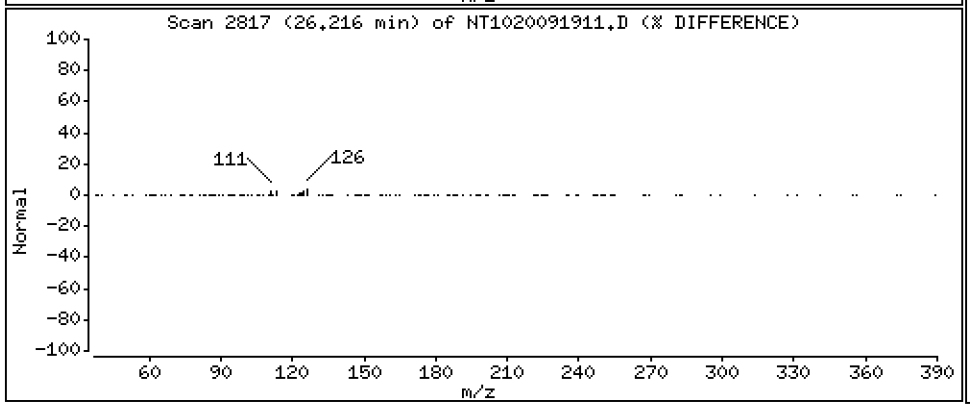












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

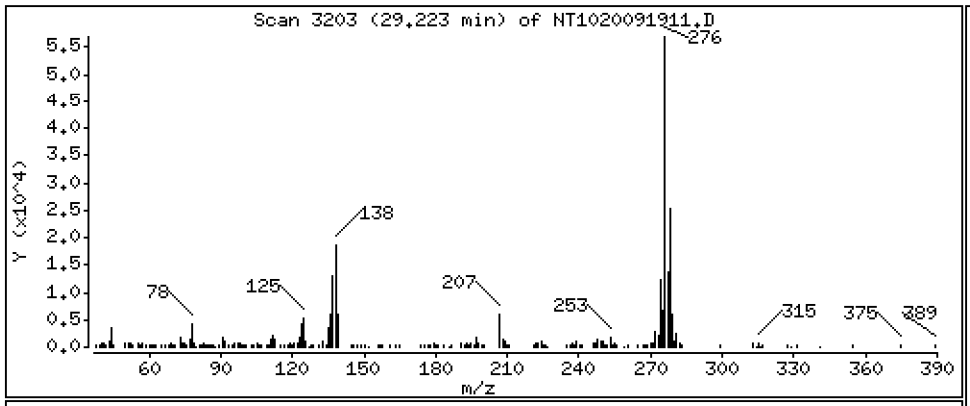
Operator: VTS

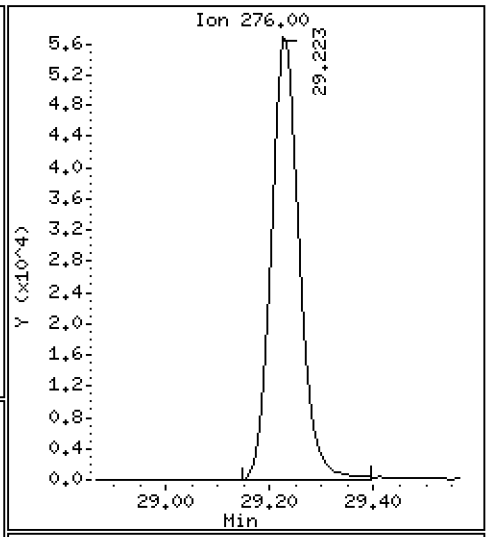
Column phase: ZB-5msi

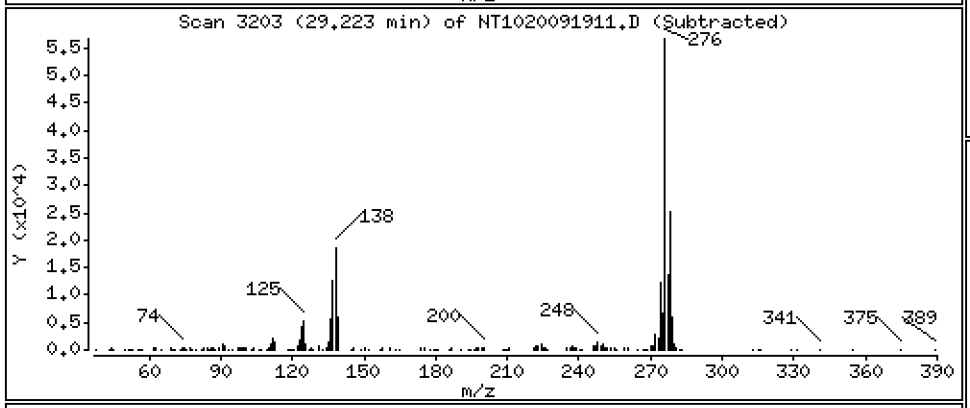
Column diameter: 0.25

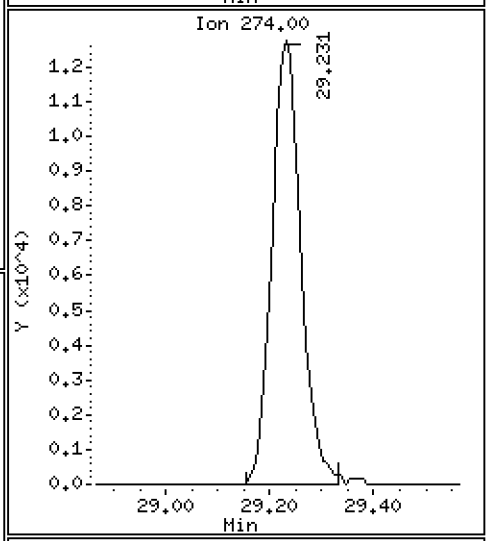
78 Indeno(1,2,3-cd)pyrene

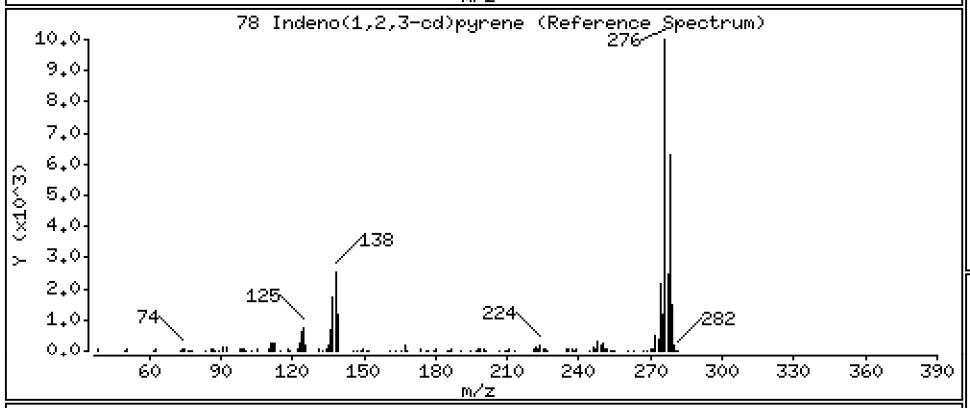
Concentration: 5.052 ug/mL

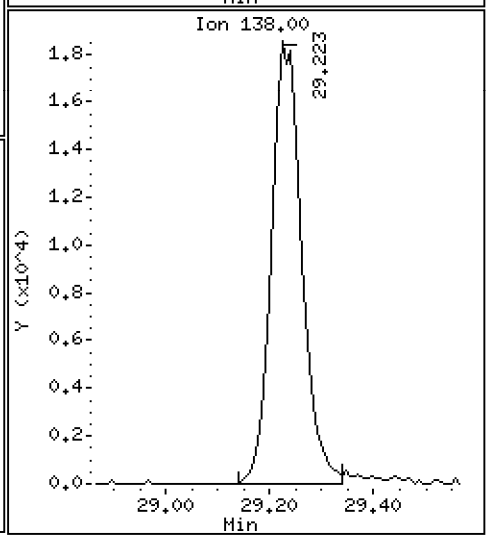


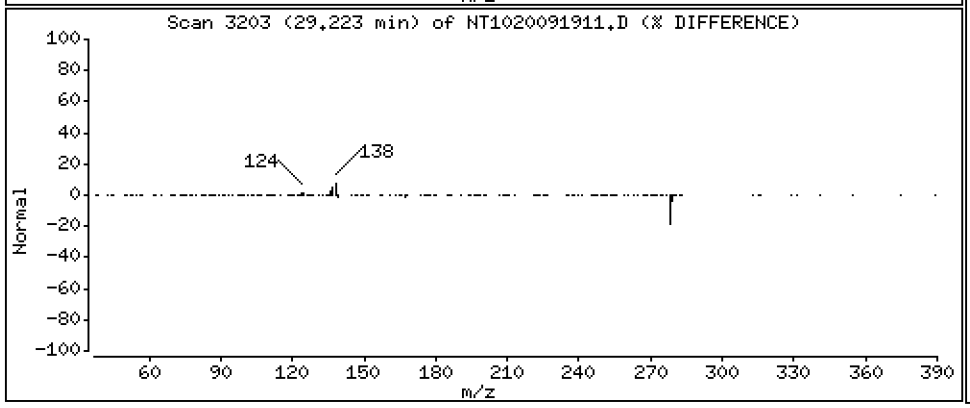












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

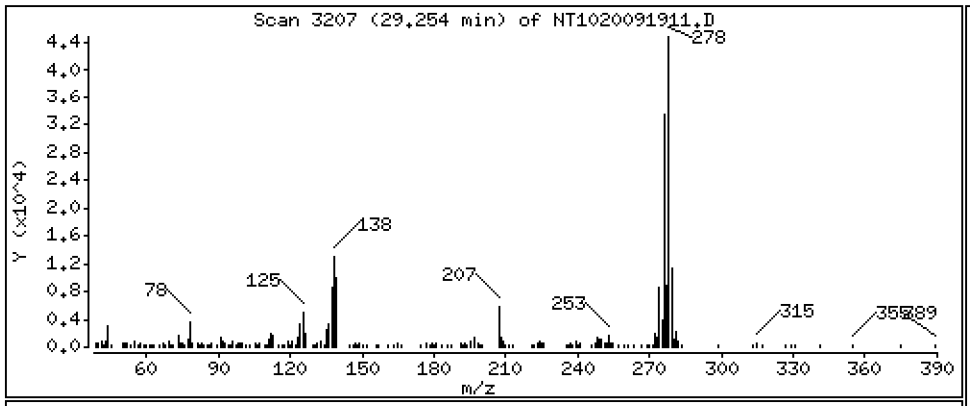
Operator: VTS

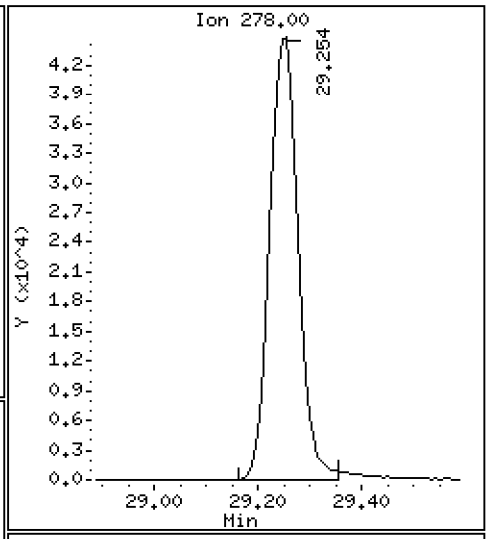
Column phase: ZB-5msi

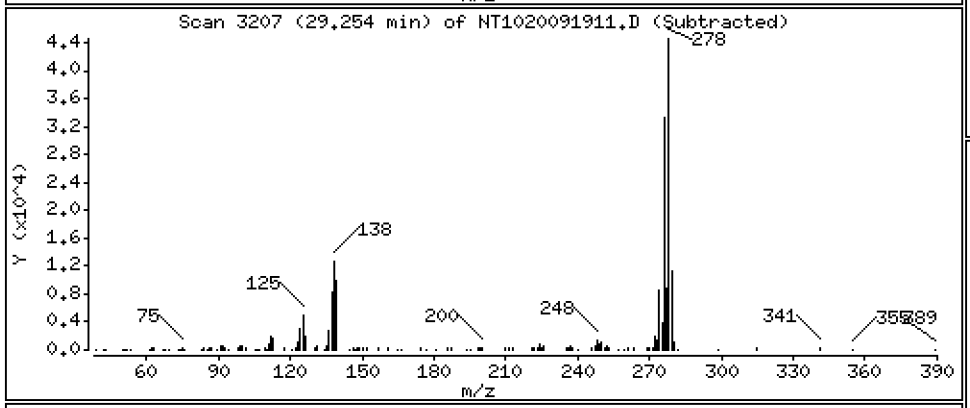
Column diameter: 0.25

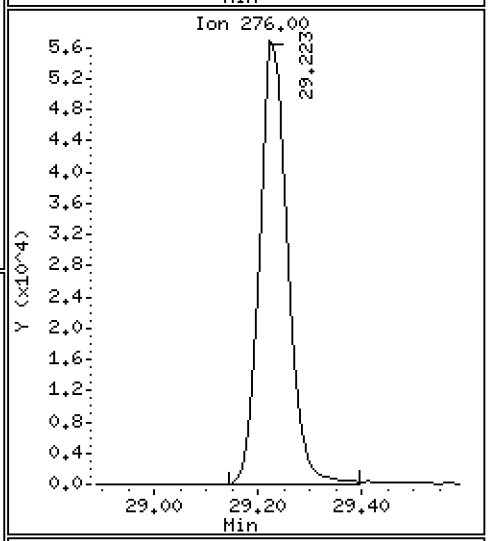
79 Dibenzo(a,h)anthracene

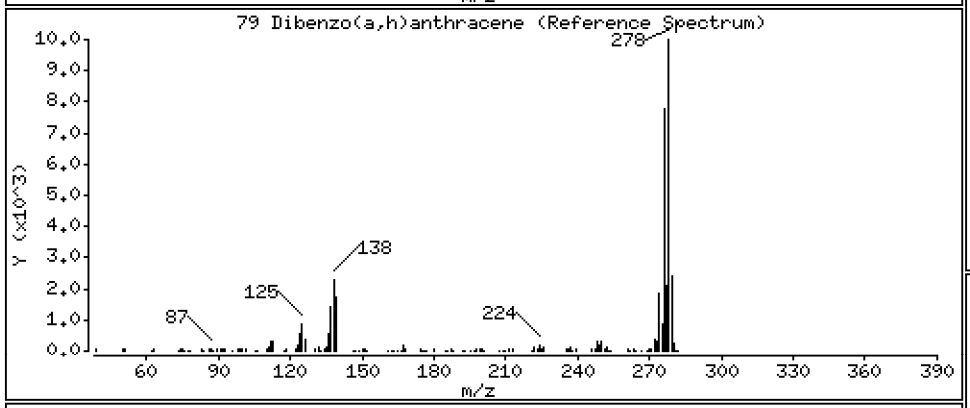
Concentration: 4.995 ug/mL

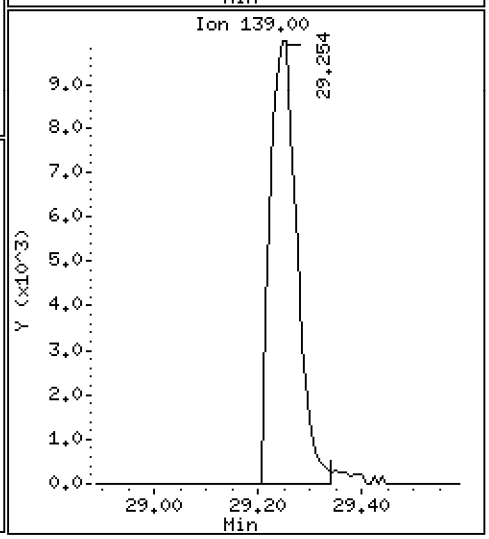


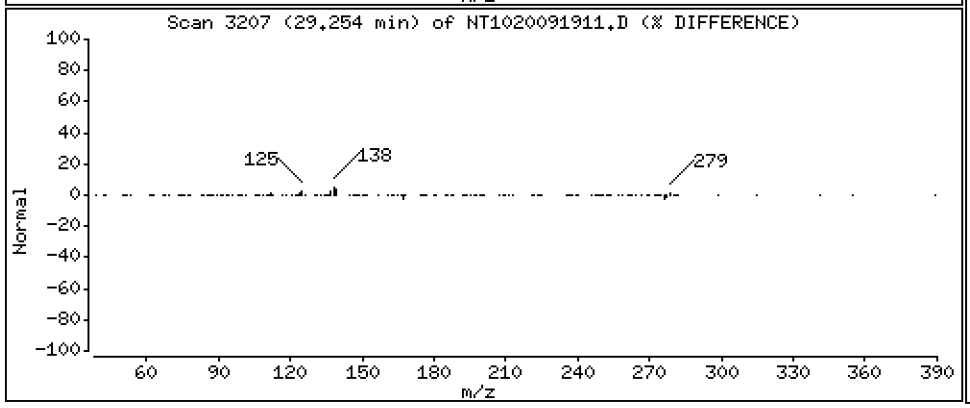












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

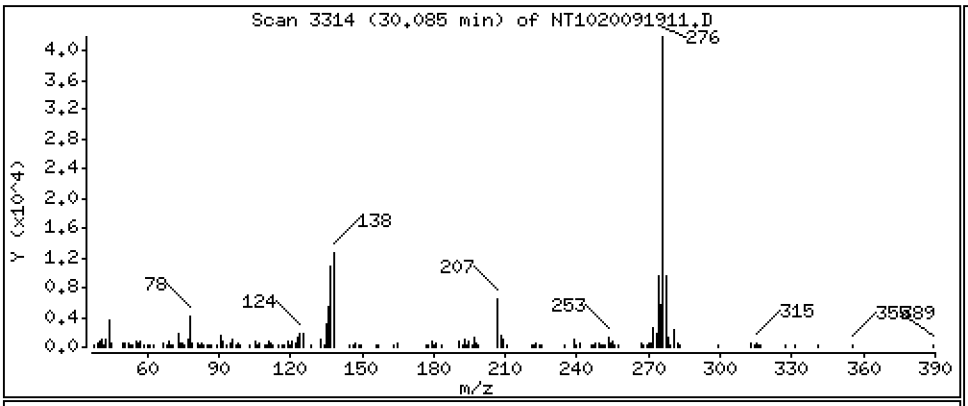
Operator: VTS

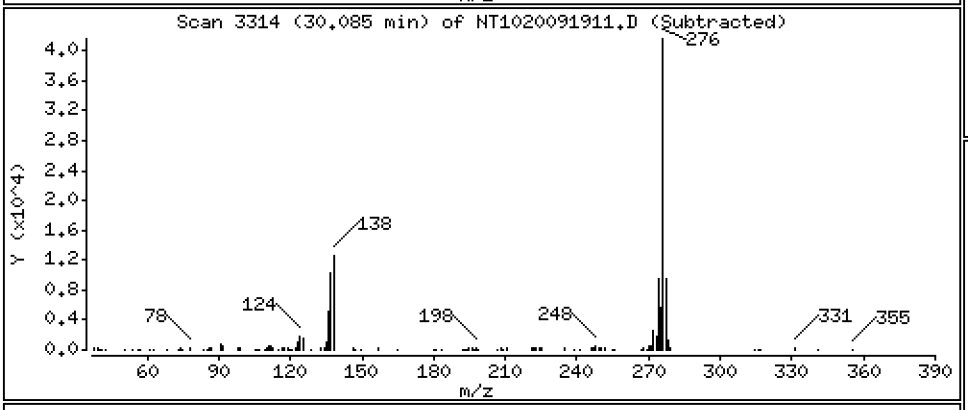
Column phase: ZB-5msi

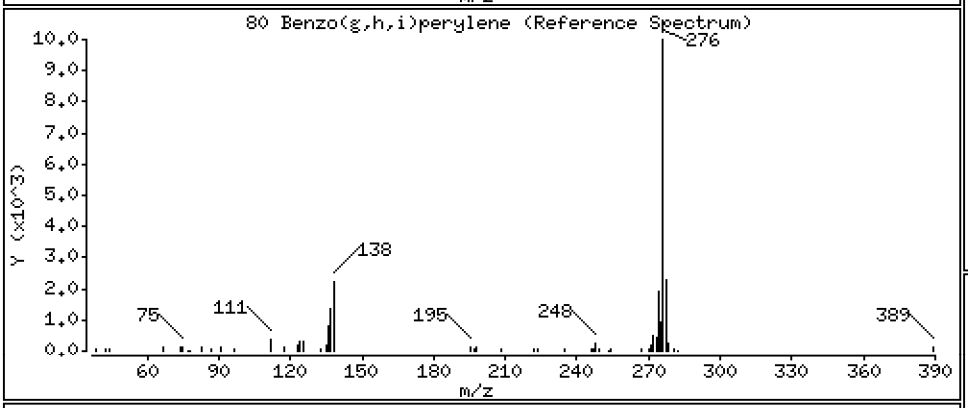
Column diameter: 0.25

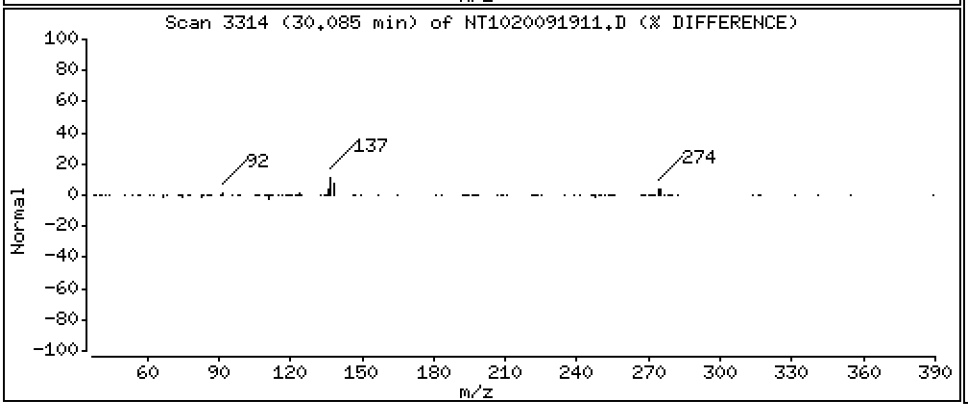
80 Benzo(g,h,i)perylene

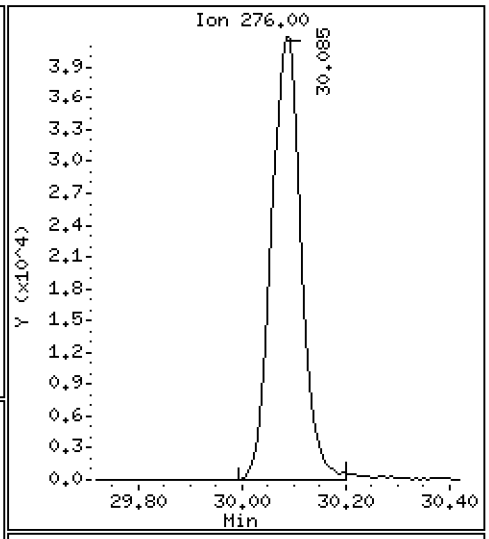
Concentration: 4.848 ug/mL

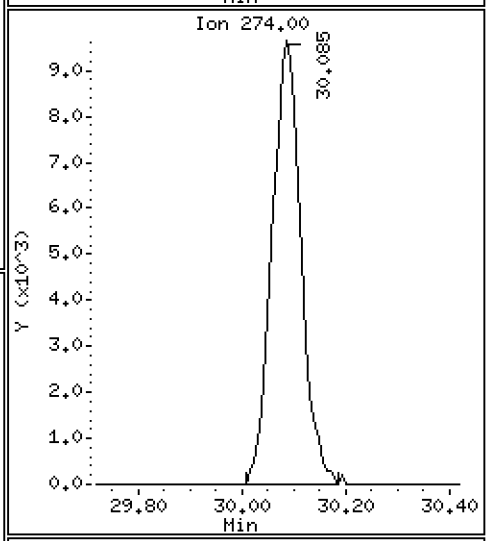


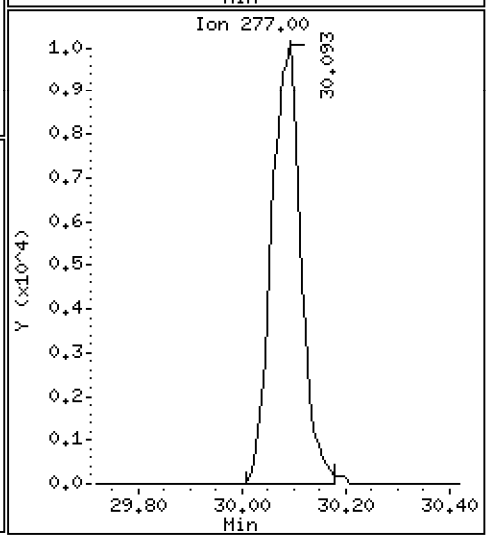












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

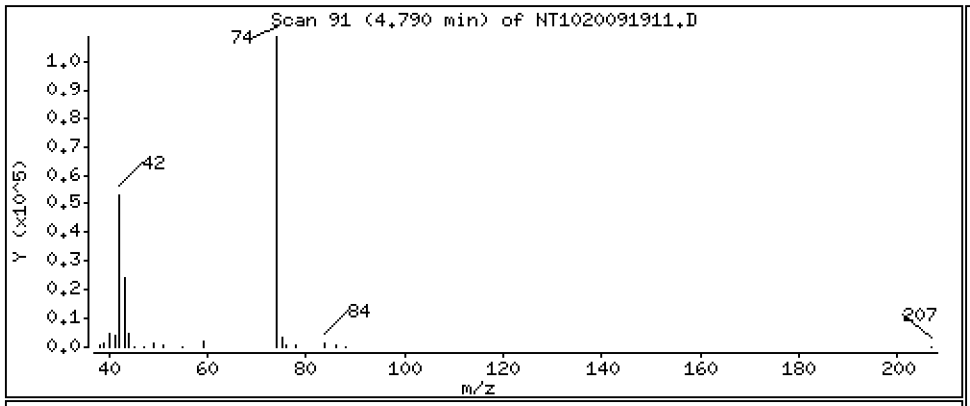
Operator: VTS

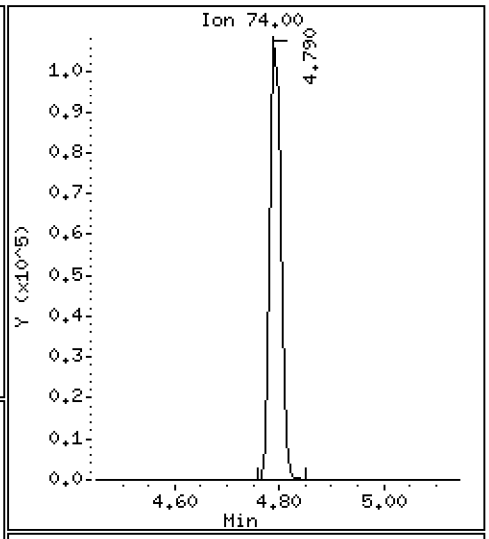
Column phase: ZB-5msi

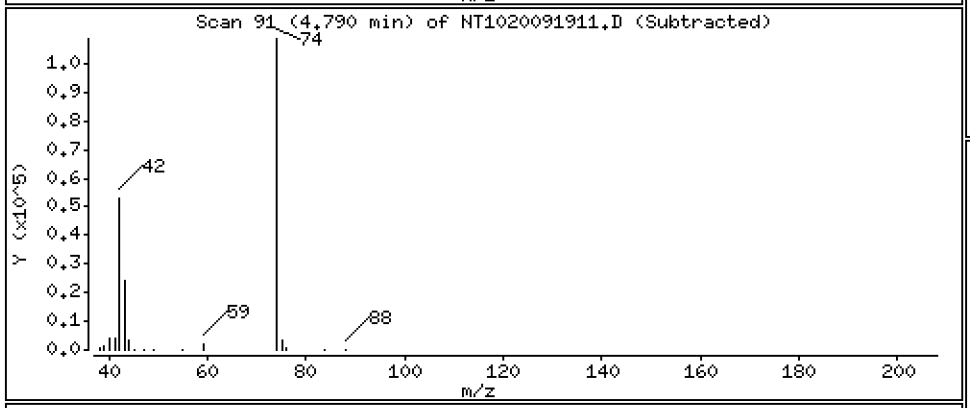
Column diameter: 0.25

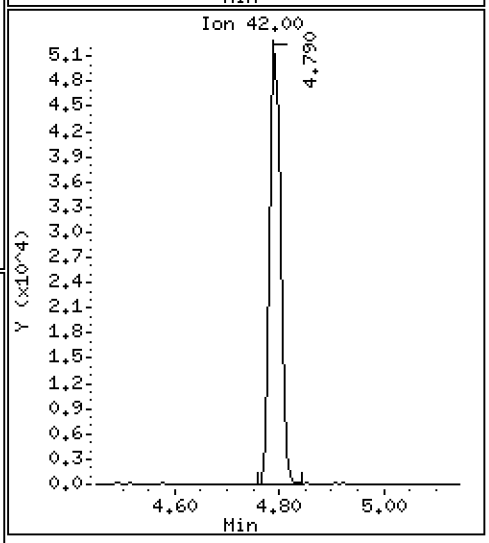
90 N-Nitrosodimethylamine

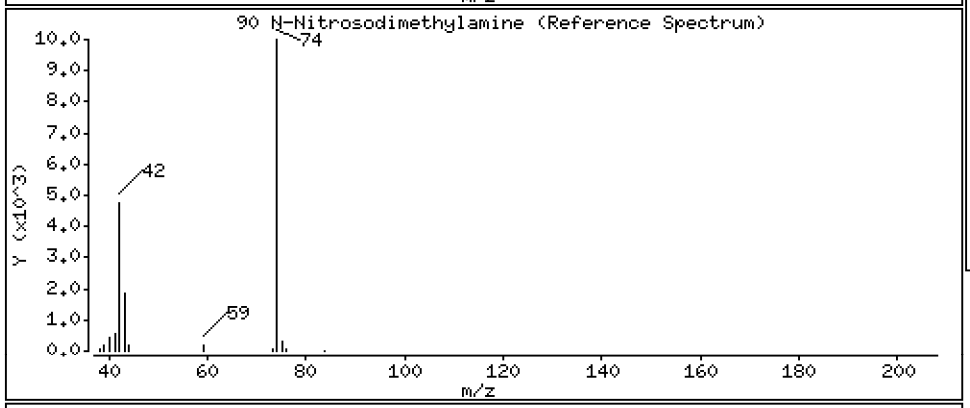
Concentration: 5.857 ug/mL

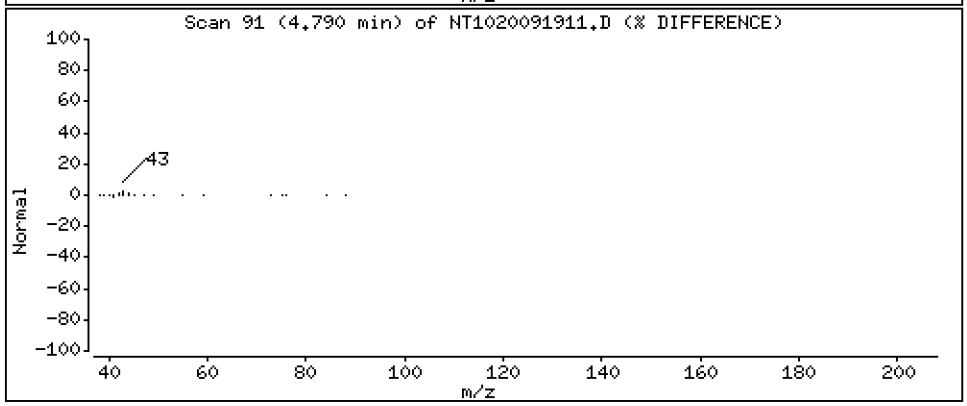












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

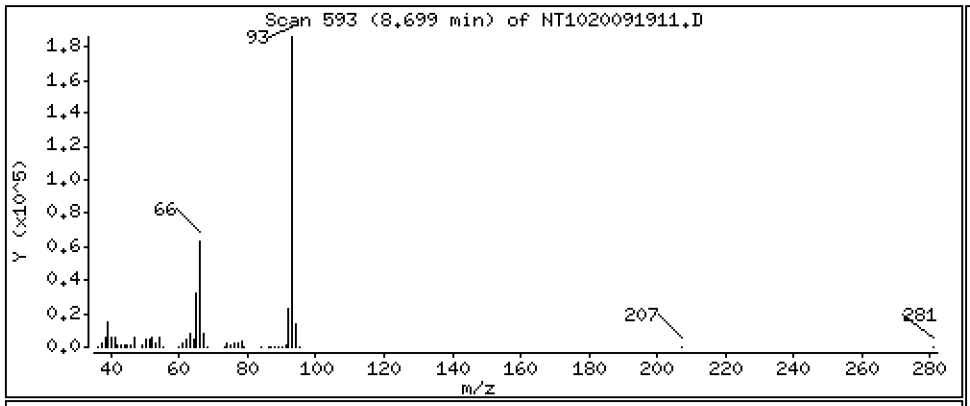
Operator: VTS

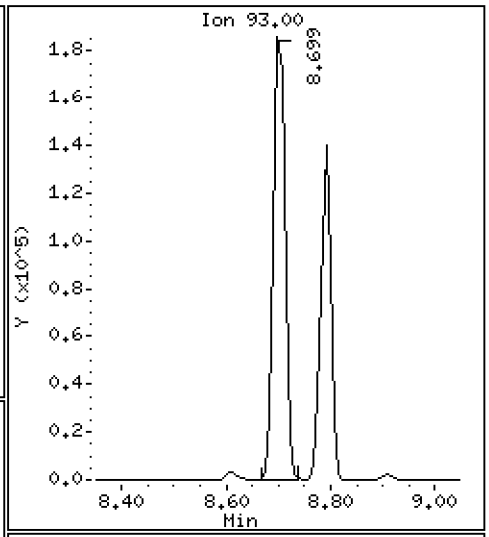
Column phase: ZB-5msi

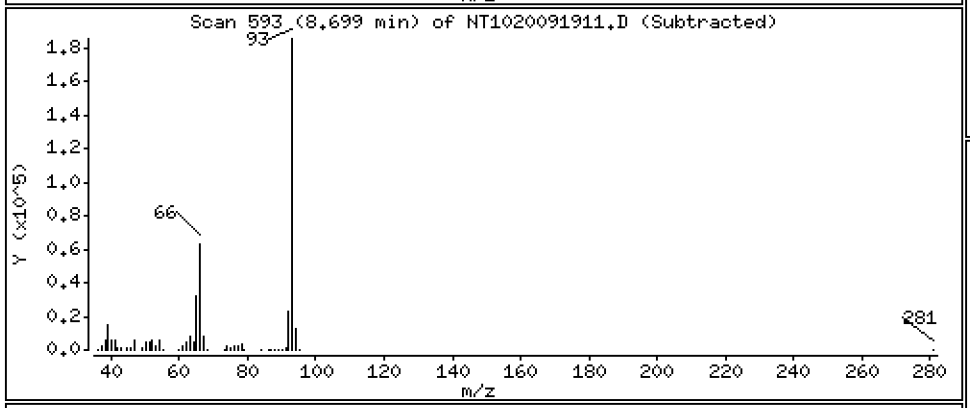
Column diameter: 0.25

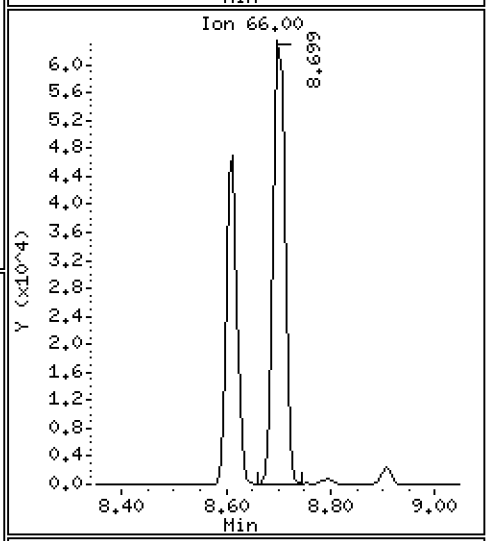
91 Aniline

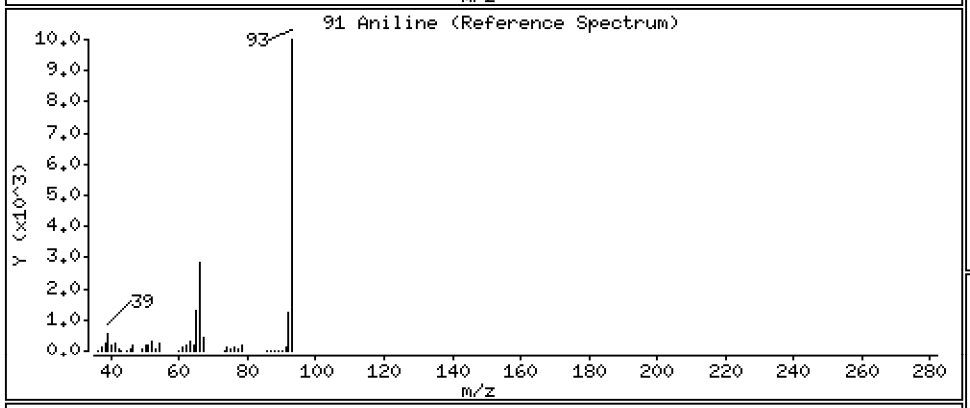
Concentration: 8.041 ug/mL

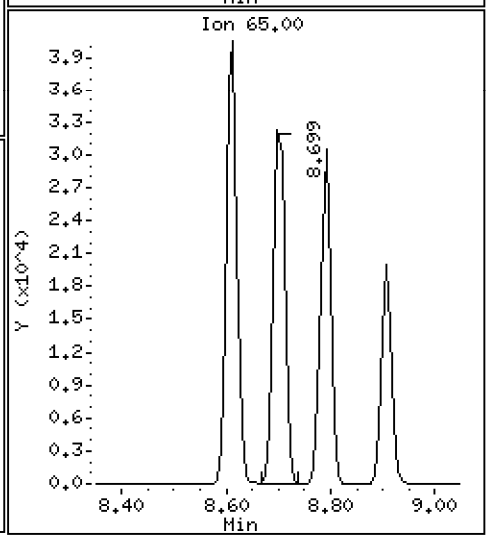


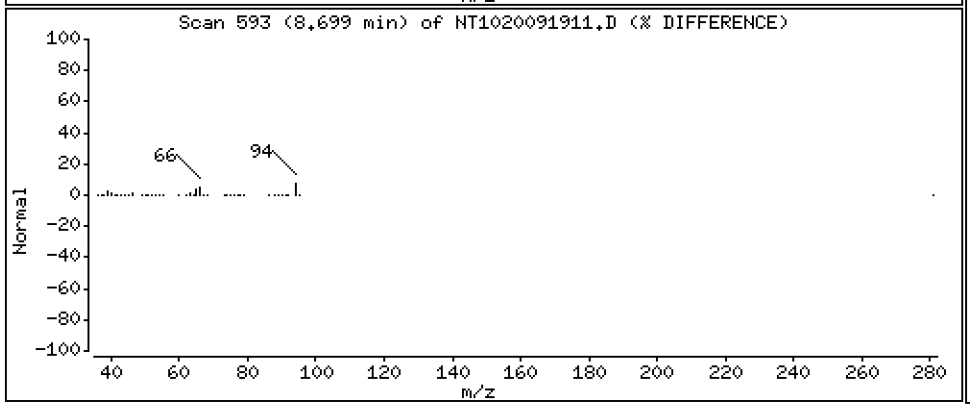












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

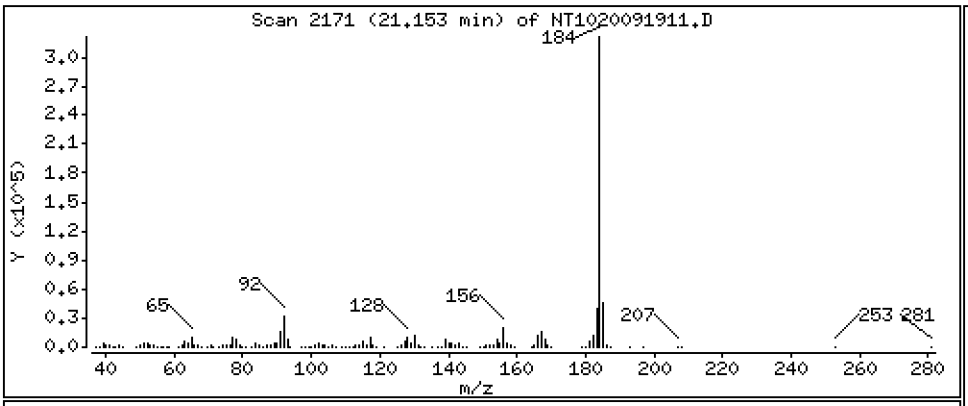
Operator: VTS

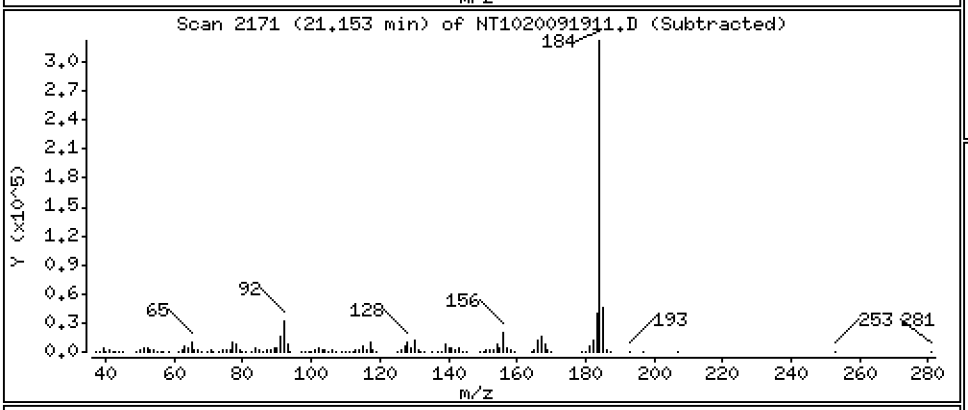
Column phase: ZB-5msi

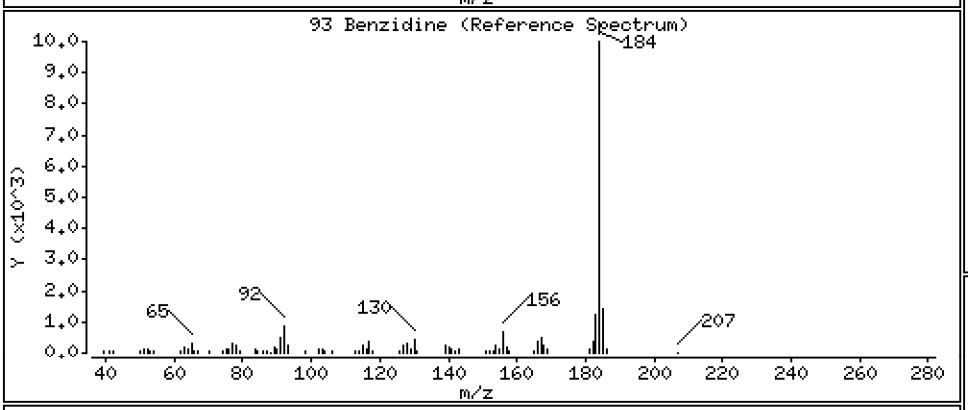
Column diameter: 0.25

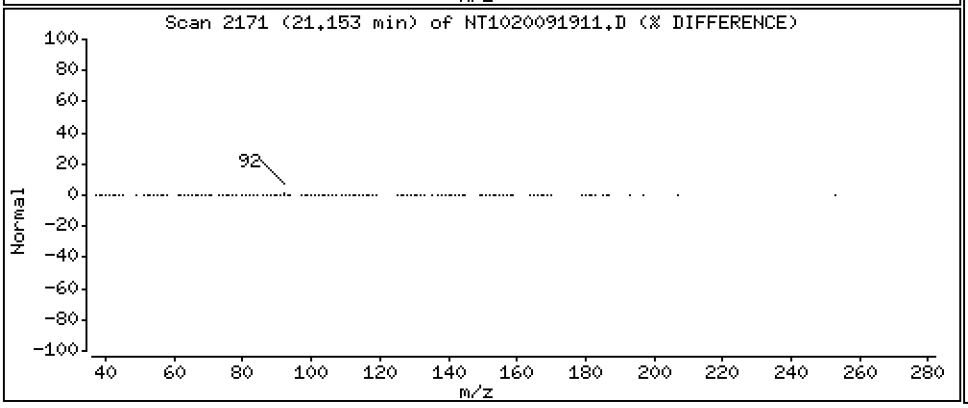
93 Benzidine

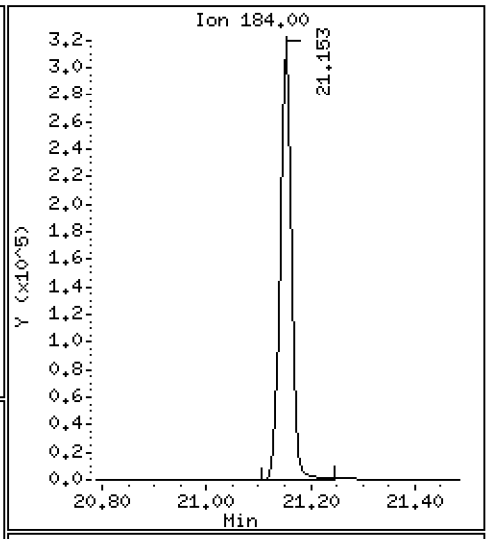
Concentration: 10.25 ug/mL

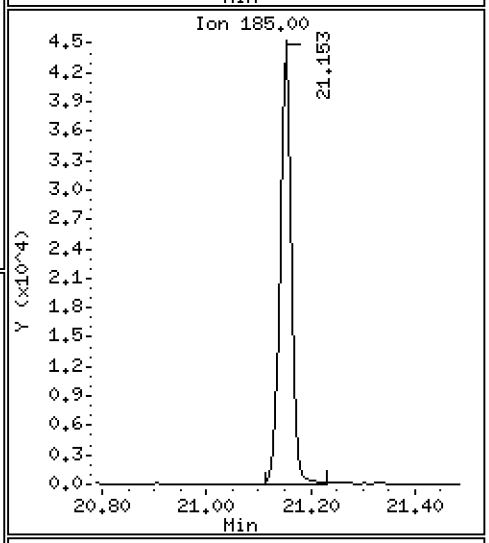


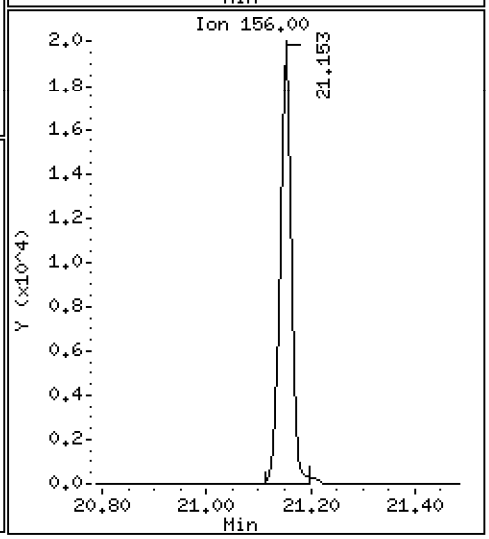












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

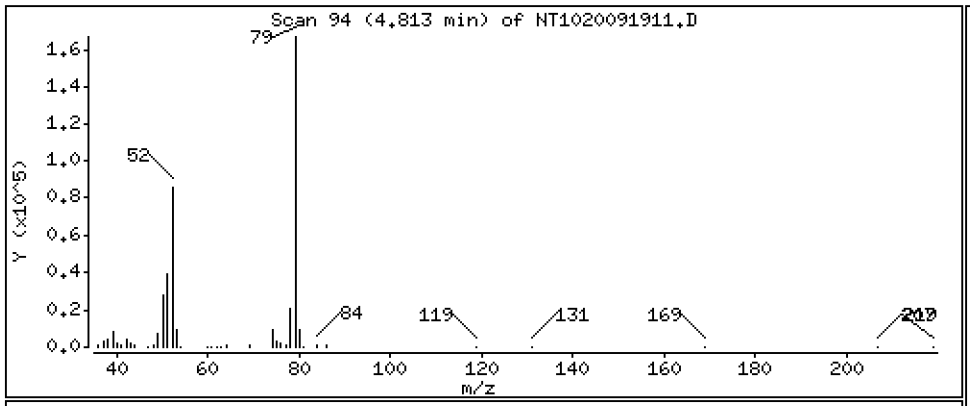
Operator: VTS

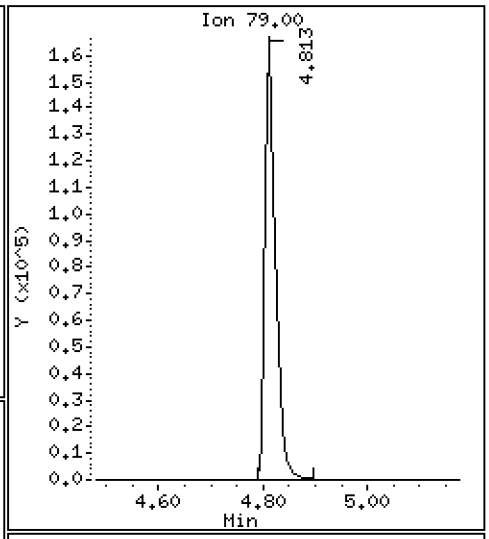
Column phase: ZB-5msi

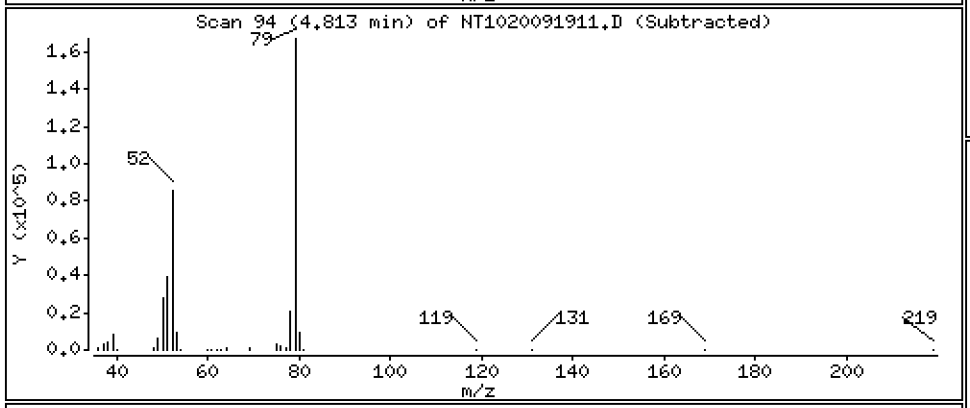
Column diameter: 0.25

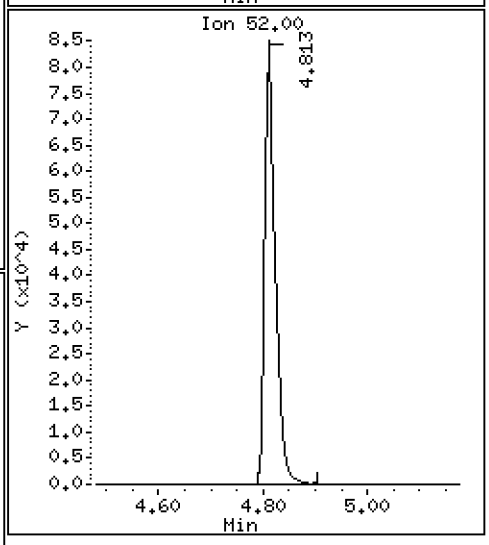
103 Pyridine

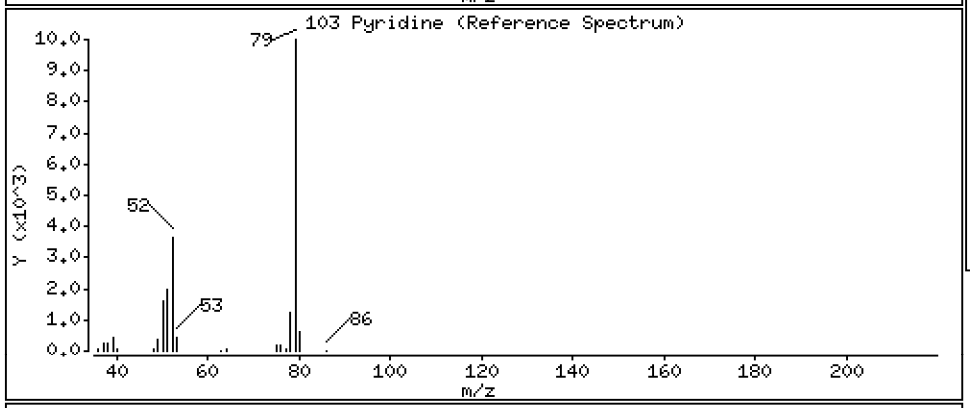
Concentration: 6.085 ug/mL

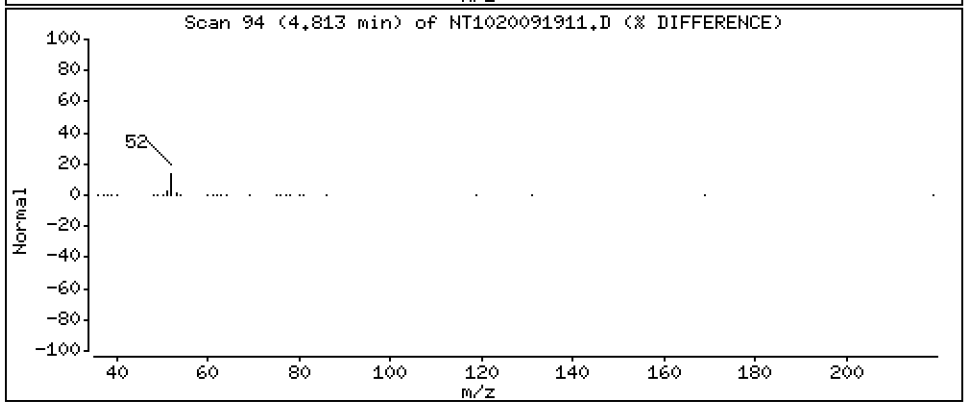












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

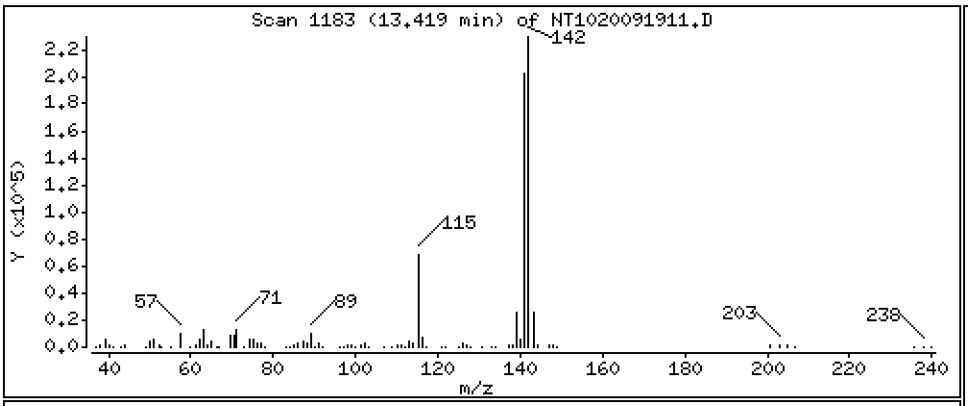
Operator: VTS

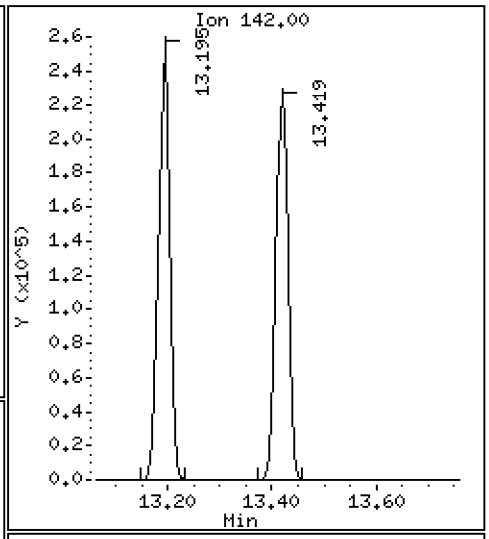
Column phase: ZB-5msi

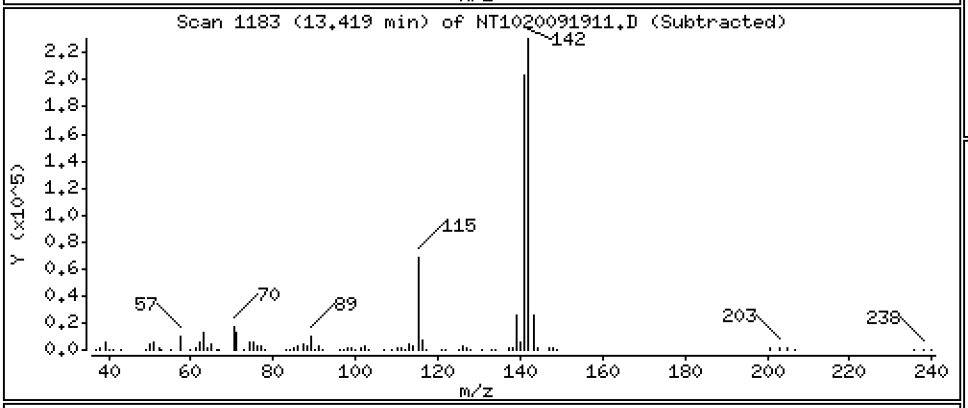
Column diameter: 0.25

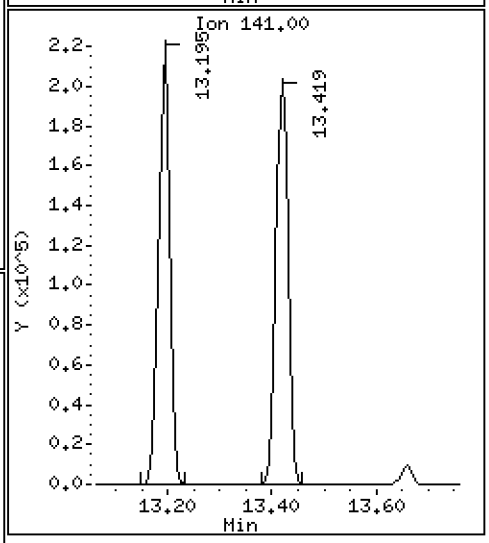
105 1-methylnaphthalene

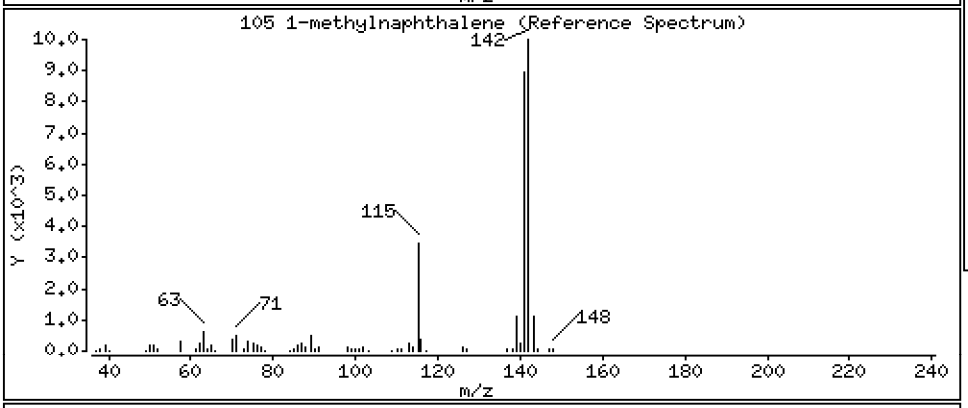
Concentration: 5.011 ug/mL

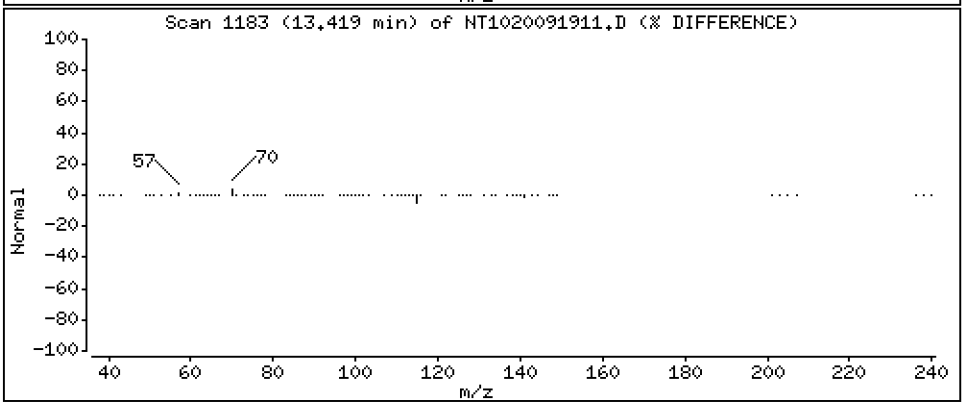












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

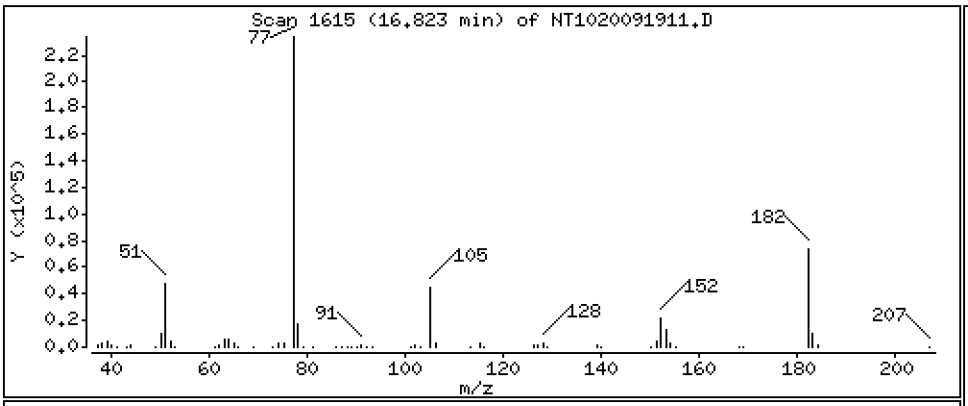
Operator: VTS

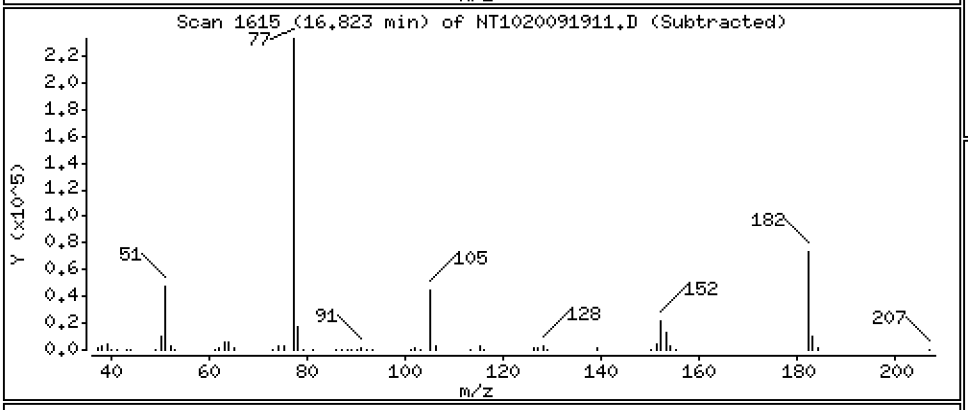
Column phase: ZB-5msi

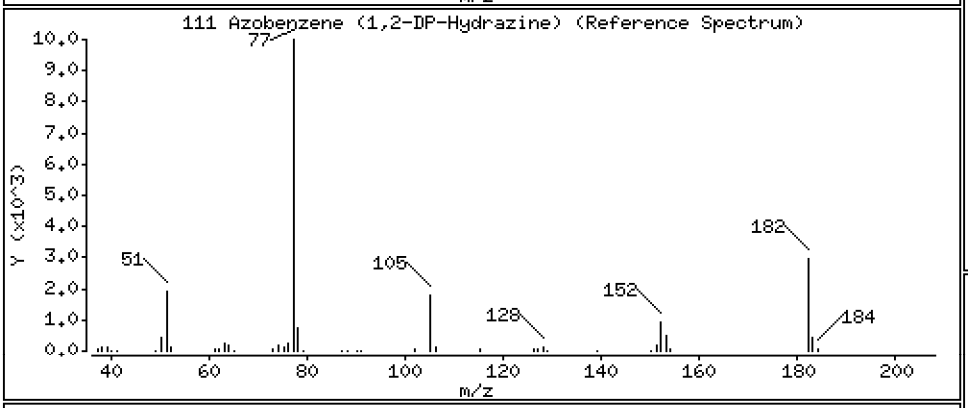
Column diameter: 0.25

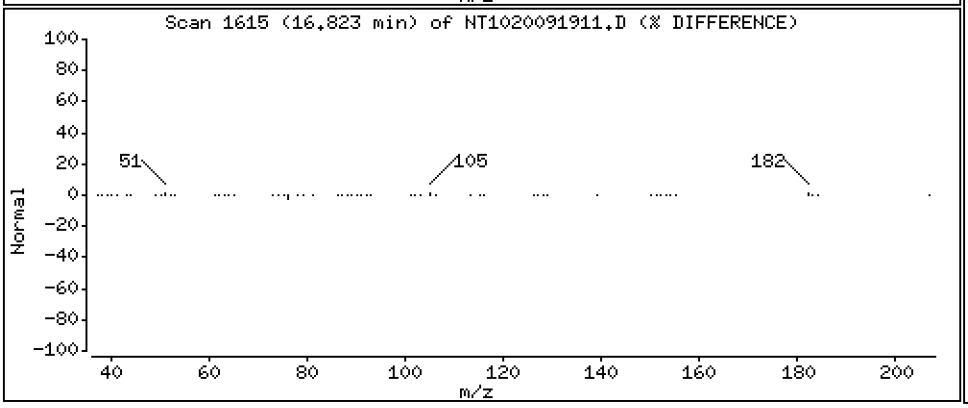
111 Azobenzene (1,2-DP-Hydrazine)

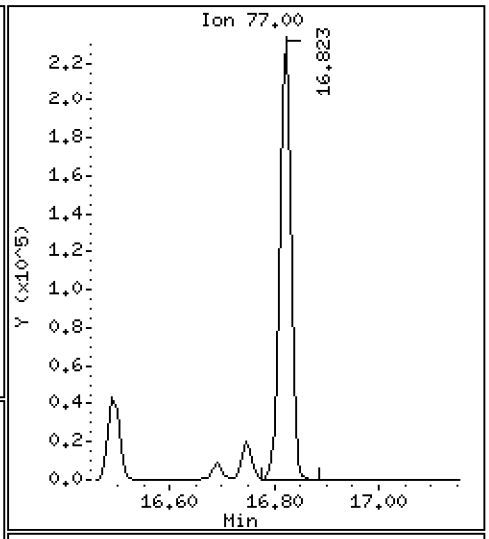
Concentration: 4.563 ug/mL

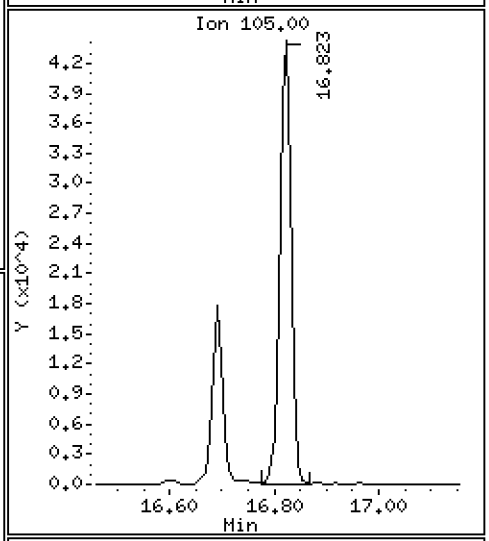


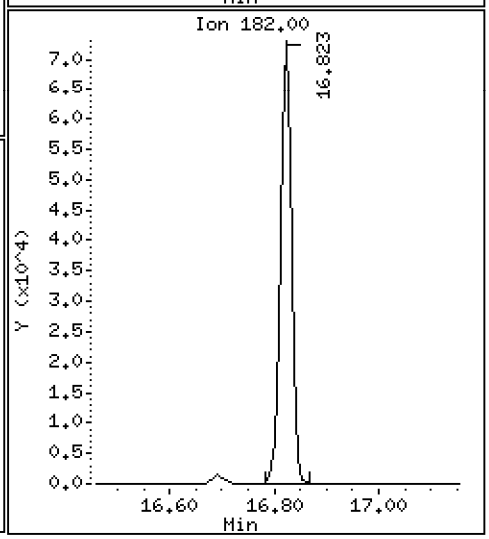












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

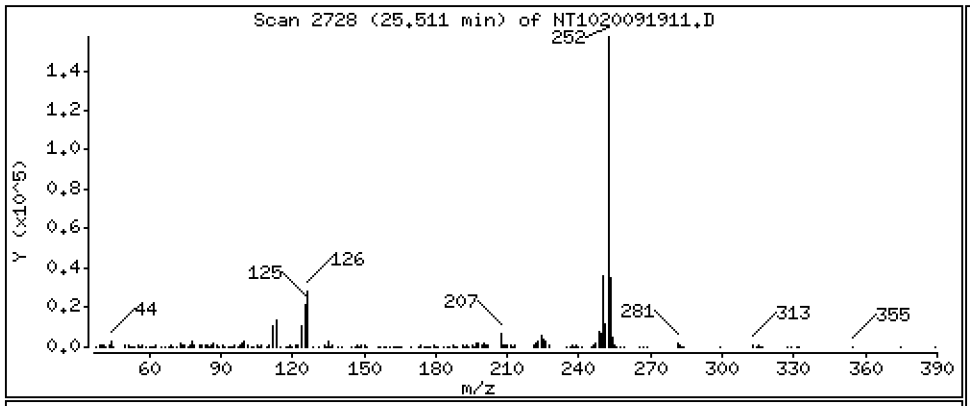
Operator: VTS

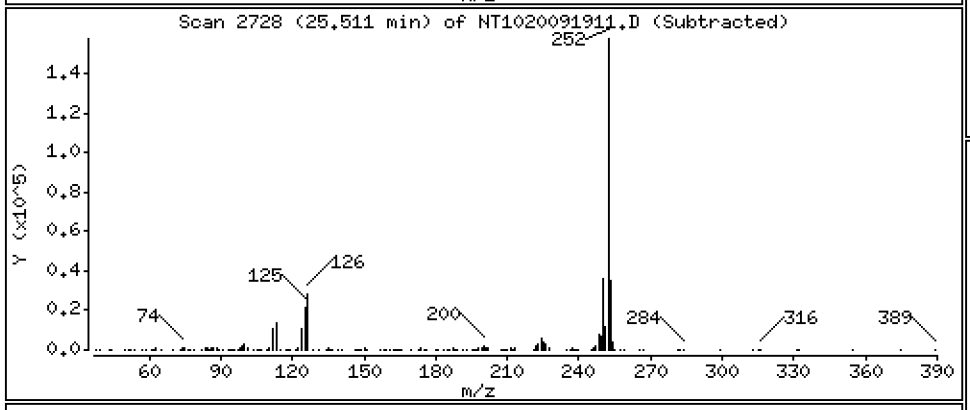
Column phase: ZB-5msi

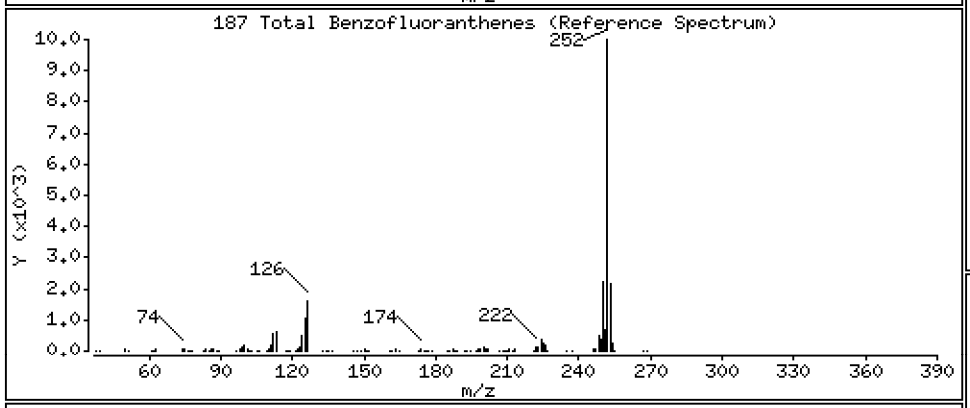
Column diameter: 0.25

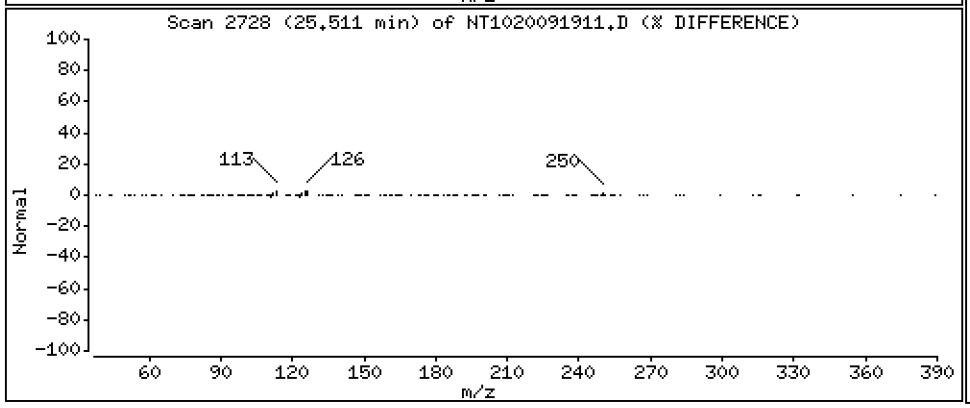
187 Total Benzofluoranthenes

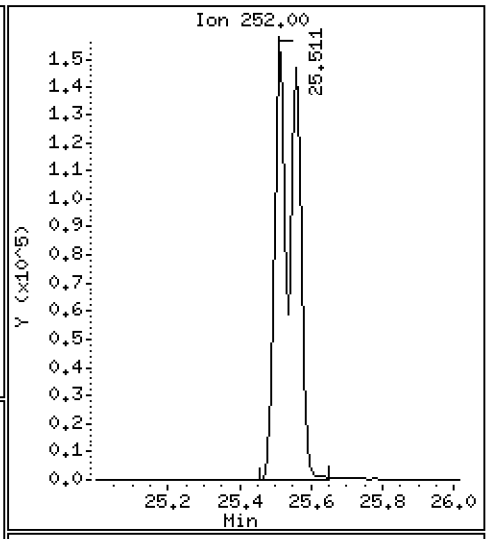
Concentration: 10.08 ug/mL

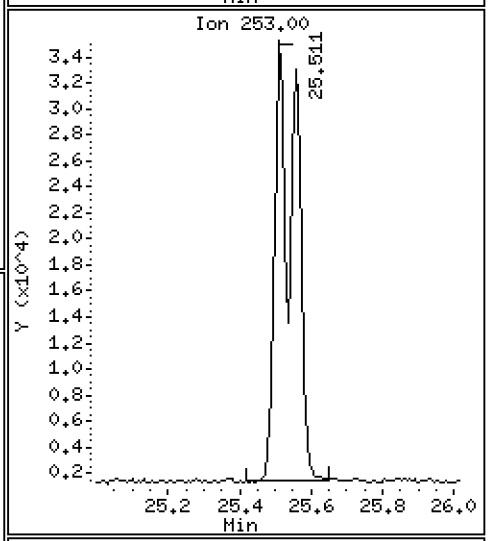


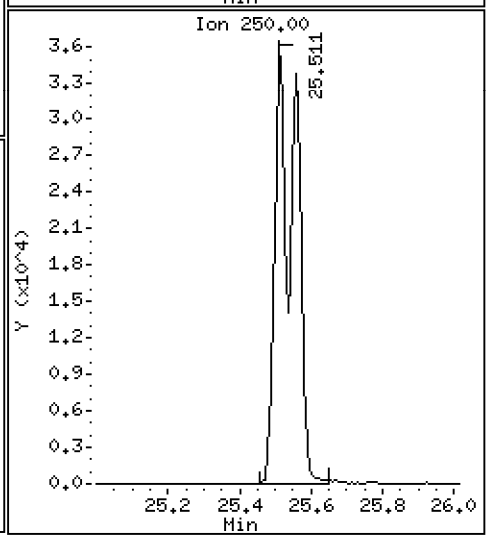












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

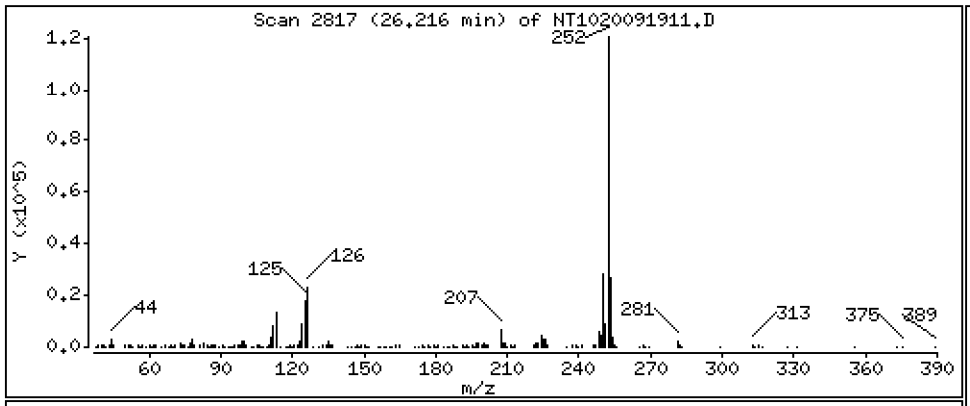
Operator: VTS

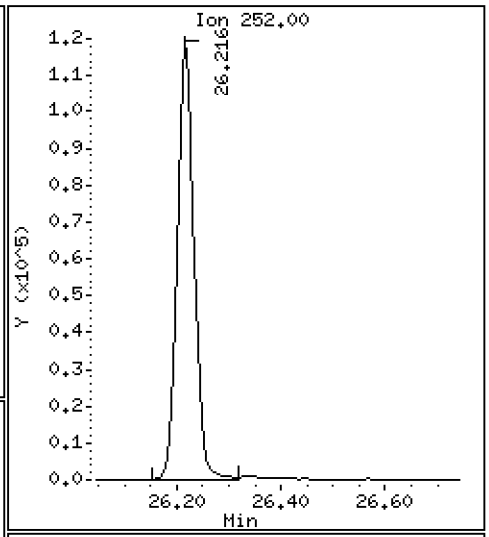
Column phase: ZB-5msi

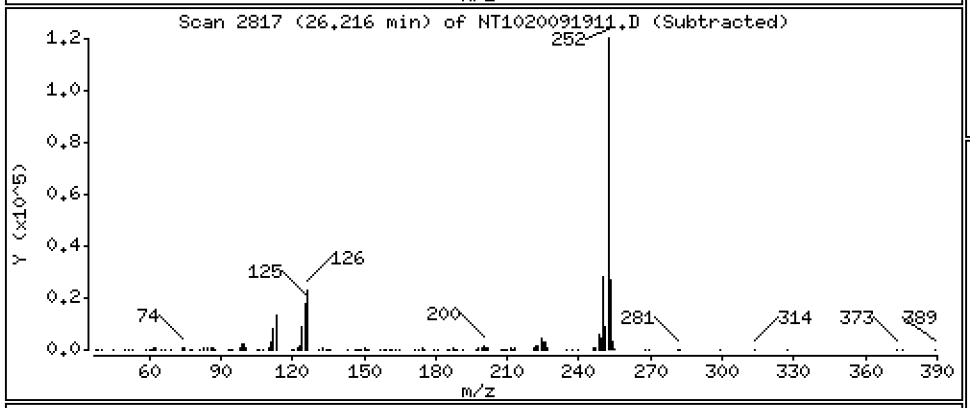
Column diameter: 0.25

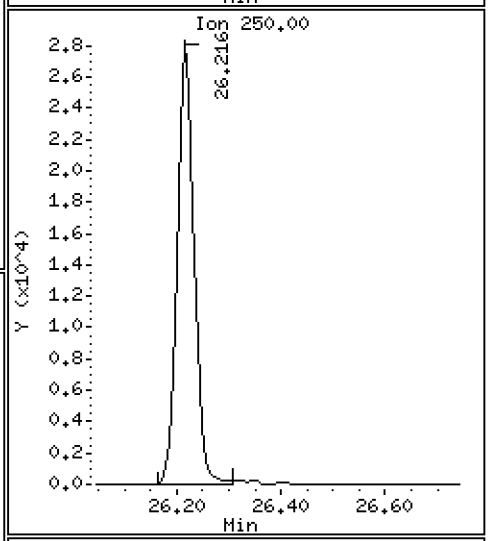
99 Perylene

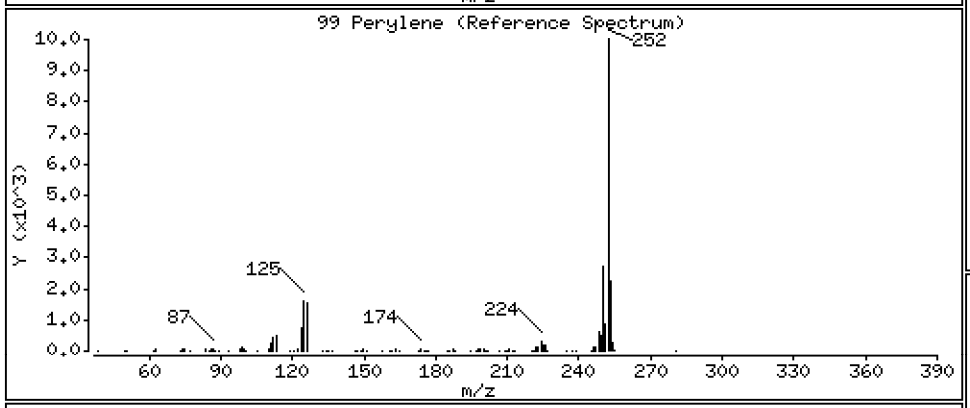
Concentration: 5.952 ug/mL

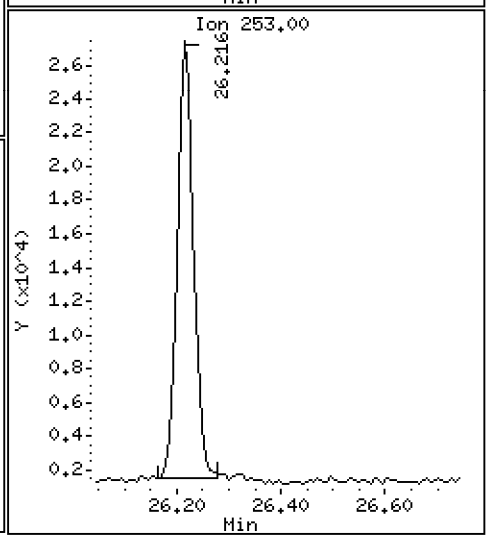


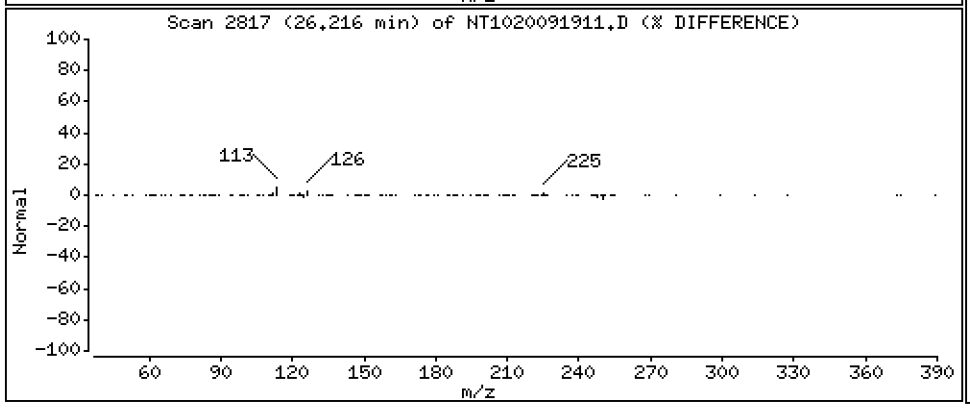












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

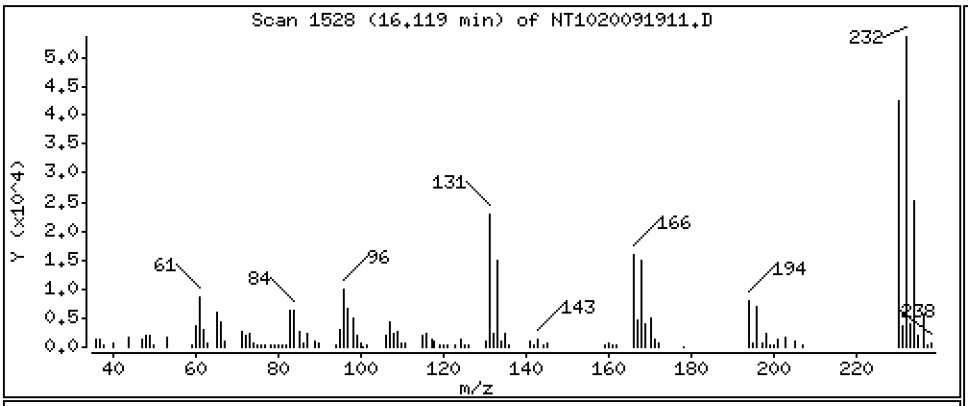
Operator: VTS

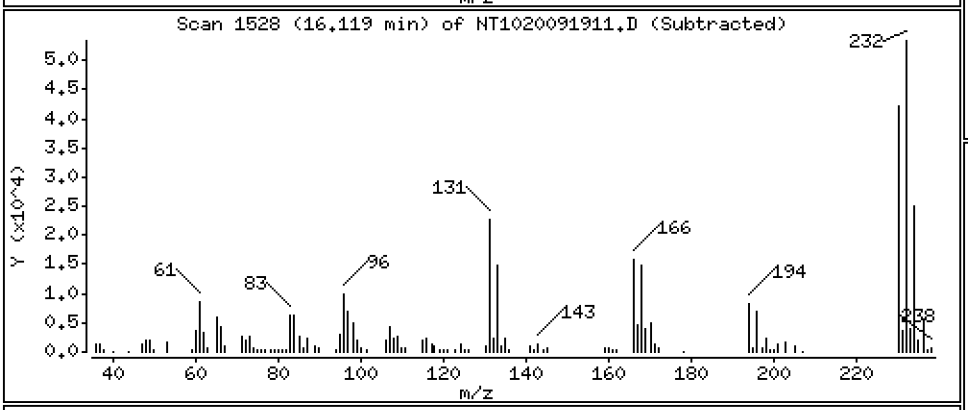
Column phase: ZB-5msi

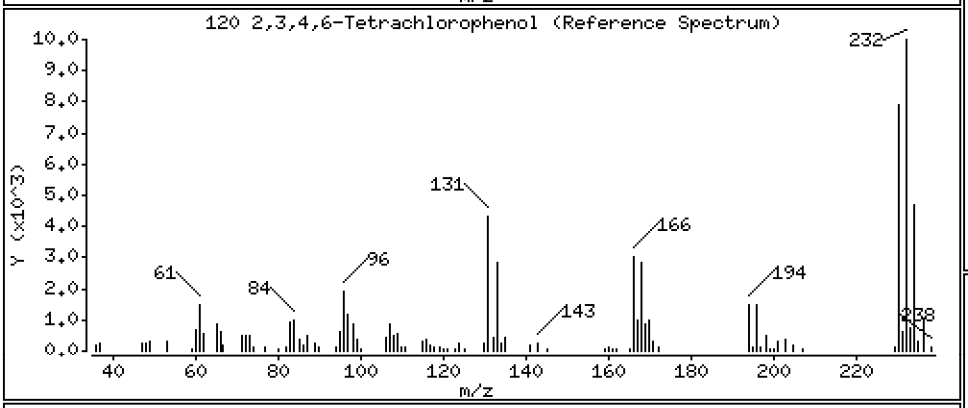
Column diameter: 0.25

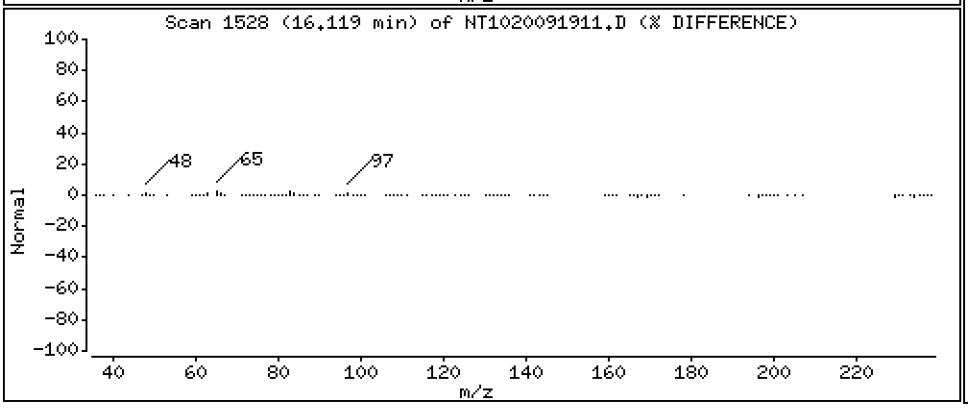
120 2,3,4,6-Tetrachlorophenol

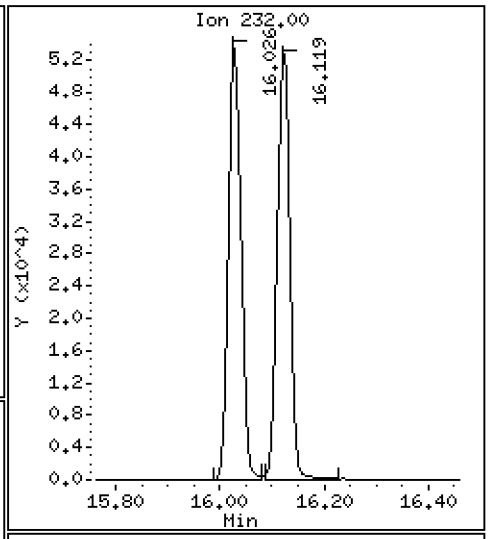
Concentration: 4.973 ug/mL

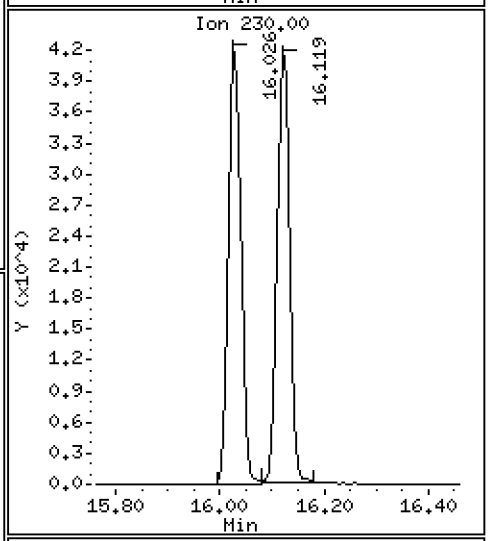


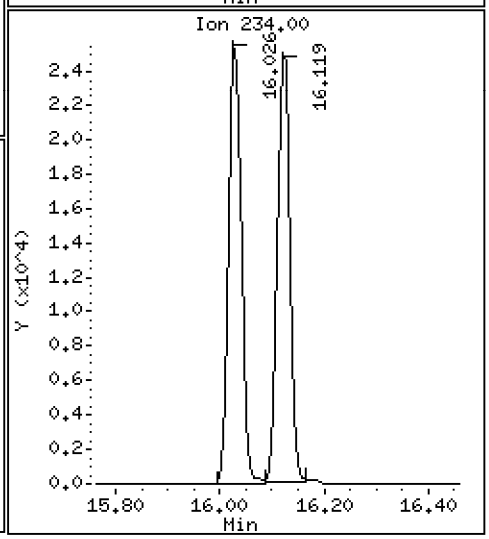












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D
Lab Smp Id: SII0276-SCV1
Inj Date : 19-SEP-2020 18:28
Operator : VTS Inst ID: nt10.i
Smp Info : SII0276-SCV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Meth Date : 22-Sep-2020 14:56 yev Quant Type: ISTD
Cal Date : 19-SEP-2020 17:51 Cal File: NT1020091910.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1	2-Fluorophenol	112	Compound Not Detected.					
$ 2	Phenol-d5	99	Compound Not Detected.					
3	Phenol	94	8.614	8.606	(0.931)	242058	5.05047	5.050
$ 5	2-Chlorophenol-d4	132	Compound Not Detected.					
4	Bis(2-Chloroethyl)ether	93	8.791	8.791	(0.951)	185904	4.97745	4.977
6	2-Chlorophenol	128	8.907	8.907	(0.963)	184170	4.68652	4.687
7	1,3-Dichlorobenzene	146	9.186	9.186	(0.993)	192502	4.77178	4.772
* 8	1,4-Dichlorobenzene-d4	152	9.248	9.248	(1.000)	94859	4.00000	
9	1,4-Dichlorobenzene	146	9.279	9.279	(1.003)	167109	4.83134	4.831
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
12	1,2-Dichlorobenzene	146	9.636	9.636	(1.042)	170451	4.66051	4.661
11	Benzyl alcohol	108	9.520	9.512	(1.029)	104930	5.03947	5.039
14	2,2'-oxybis(1-Chloropropane)	121	9.822	9.815	(1.062)	55340	4.50100	4.501
13	2-Methylphenol	108	9.737	9.737	(1.053)	139615	4.59663	4.597
17	Hexachloroethane	117	10.234	10.226	(1.107)	70632	4.68602	4.686
16	N-Nitroso-di-n-propylamine	70	10.078	10.078	(1.090)	109215	4.85206	4.852
15	4-Methylphenol	108	10.009	10.001	(1.082)	156717	4.82278	4.823
$ 18	Nitrobenzene-d5	82	Compound Not Detected.					
19	Nitrobenzene	77	10.389	10.389	(0.884)	165486	4.51170	4.512
20	Isophorone	82	10.831	10.831	(0.922)	346349	4.79453	4.795
21	2-Nitrophenol	139	11.019	11.019	(0.938)	103271	4.74324	4.743
22	2,4-Dimethylphenol	107	11.062	11.053	(0.942)	146636	4.72998	4.730
23	Bis(2-Chloroethoxy)methane	93	11.265	11.257	(0.959)	185204	4.89492	4.895
24	Benzoic acid	105	11.197	11.138	(0.953)	179594	8.44509	8.445
25	2,4-Dichlorophenol	162	11.469	11.460	(0.976)	140055	5.04062	5.041
26	1,2,4-Trichlorobenzene	180	11.663	11.655	(0.993)	139996	4.68418	4.684
* 27	Naphthalene-d8	136	11.748	11.740	(1.000)	335883	4.00000	
28	Naphthalene	128	11.794	11.786	(1.004)	422895	4.85635	4.856
29	4-Chloroaniline	127	11.925	11.917	(1.015)	189754	5.25817	5.258
30	Hexachlorobutadiene	225	12.149	12.142	(1.034)	80147	4.79288	4.793
31	4-Chloro-3-methylphenol	107	12.877	12.869	(1.096)	144498	4.87029	4.870
32	2-Methylnaphthalene	142	13.194	13.186	(1.123)	368675	5.08252	5.083
33	Hexachlorocyclopentadiene	237	13.658	13.651	(0.887)	124092	5.51418	5.514

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.821	13.805	(0.898)	111883	4.97822	4.978
	35 2,4,5-Trichlorophenol	196	13.891	13.875	(0.902)	118253	4.82966	4.830
$	36 2-Fluorobiphenyl	172	Compound Not Detected.					
	37 2-Chloronaphthalene	162	14.192	14.185	(0.922)	335887	4.77238	4.772
	38 2-Nitroaniline	65	14.463	14.455	(0.940)	92564	5.04078	5.041
	39 Dimethylphthalate	163	14.897	14.881	(0.968)	320919	4.68520	4.685
	40 Acenaphthylene	152	15.075	15.067	(0.979)	472438	4.60182	4.602
	41 2,6-Dinitrotoluene	165	15.036	15.028	(0.977)	76576	4.89443	4.894
*	42 Acenaphthene-d10	164	15.392	15.376	(1.000)	174376	4.00000	
	43 3-Nitroaniline	138	15.322	15.315	(0.995)	95651	5.30528	5.305
	44 Acenaphthene	153	15.461	15.446	(1.005)	264544	4.51626	4.516
	45 2,4-Dinitrophenol	184	15.531	15.523	(1.009)	27863	2.73997	2.740
	46 Dibenzofuran	168	15.786	15.771	(1.026)	419795	4.90529	4.905
	47 4-Nitrophenol	109	15.624	15.616	(1.015)	28746	4.78575	4.786
	48 2,4-Dinitrotoluene	165	15.848	15.840	(1.030)	99793	4.81914	4.819
	50 Diethylphthalate	149	16.358	16.343	(1.063)	298873	4.77154	4.772
	49 Fluorene	166	16.505	16.498	(1.072)	318421	4.49217	4.492
	51 4-Chlorophenyl-phenylether	204	16.490	16.482	(1.071)	160750	4.69786	4.698
	52 4-Nitroaniline	138	16.598	16.590	(1.078)	95668	5.31293	5.313
	53 4,6-Dinitro-2-methylphenol	198	16.691	16.683	(0.904)	77068	4.94987	4.950
	54 N-Nitrosodiphenylamine	169	16.745	16.737	(0.907)	274102	6.42978	6.430
$	55 2,4,6-Tribromophenol	330	Compound Not Detected.					
	56 4-Bromophenyl-phenylether	248	17.508	17.501	(0.948)	140285	4.84840	4.848
	57 Hexachlorobenzene	284	17.825	17.817	(0.966)	130876	4.59776	4.598
	58 Pentachlorophenol	266	18.189	18.173	(0.985)	57510	4.88340	4.883
*	59 Phenanthrene-d10	188	18.460	18.444	(1.000)	328343	4.00000	
	60 Phenanthrene	178	18.506	18.498	(1.002)	423820	4.89488	4.895
	61 Anthracene	178	18.599	18.591	(1.008)	437919	4.70531	4.705
	62 Carbazole	167	18.939	18.924	(1.026)	451719	4.81042	4.810
	63 Di-n-butylphthalate	149	19.729	19.721	(1.069)	579118	4.79068	4.791
	64 Fluoranthene	202	20.905	20.897	(0.888)	532561	4.52973	4.530
	65 Pyrene	202	21.338	21.322	(0.906)	563185	4.71565	4.716
$	66 Terphenyl-d14	244	Compound Not Detected.					
	67 Butylbenzylphthalate	149	22.561	22.553	(0.958)	206361	4.81201	4.812
	68 Benzo(a)anthracene	228	23.521	23.513	(0.999)	397218	4.72692	4.727
*	69 Chrysene-d12	240	23.552	23.544	(1.000)	216919	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.482	23.475	(0.997)	309355	10.1029	10.10
	71 Chrysene	228	23.598	23.591	(1.002)	323192	4.79059	4.791
	72 bis(2-Ethylhexyl)phthalate	149	23.598	23.583	(0.958)	233436	4.73101	4.731
*	134 Di-n-octylphthalate-d4	153	24.620	24.613	(1.000)	349027	4.00000	
	73 Di-n-octylphthalate	149	24.636	24.628	(1.001)	440607	4.85361	4.854
	74 Benzo(b)fluoranthene	252	25.511	25.503	(0.968)	309270	5.06616	5.066
	75 Benzo(k)fluoranthene	252	25.557	25.549	(0.970)	311932	5.07811	5.078
	76 Benzo(a)pyrene	252	26.215	26.207	(0.995)	266485	5.24711	5.247
*	77 Perylene-d12	264	26.347	26.331	(1.000)	160930	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	29.222	29.215	(1.109)	212426	5.05171	5.052
	79 Dibenzo(a,h)anthracene	278	29.253	29.238	(1.110)	170917	4.99497	4.995
	80 Benzo(g,h,i)perylene	276	30.085	30.069	(1.142)	167170	4.84778	4.848
	90 N-Nitrosodimethylamine	74	4.790	4.797	(0.518)	146984	5.85692	5.857
	91 Aniline	93	8.699	8.699	(0.941)	272309	8.04102	8.041
	93 Benzidine	184	21.152	21.137	(0.898)	488349	10.2536	10.25
	103 Pyridine	79	4.813	4.828	(0.520)	225760	6.08494	6.085
	105 1-methylnaphthalene	142	13.418	13.411	(1.142)	350810	5.01072	5.011
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.822	16.807	(1.093)	362084	4.56296	4.563

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.511	25.503	(0.968)	598167	10.0798	10.08
99 Perylene	252	26.215	26.393	(0.995)	266485	5.95198	5.952
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	16.119	16.111	(1.047)	96211	4.97275	4.973

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020091911.D
Lab Smp Id: SII0276-SCV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Misc Info:

Calibration Date: 19-SEP-2020
Calibration Time: 12:43
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	131496	65748	262992	94859	-27.86
27 Naphthalene-d8	469048	234524	938096	335883	-28.39
42 Acenaphthene-d10	240338	120169	480676	174376	-27.45
59 Phenanthrene-d10	451272	225636	902544	328343	-27.24
69 Chrysene-d12	290698	145349	581396	216919	-25.38
134 Di-n-octylphthala	509417	254709	1018834	349027	-31.49
77 Perylene-d12	218282	109141	436564	160930	-26.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.26	8.76	9.76	9.25	-0.09
27 Naphthalene-d8	11.75	11.25	12.25	11.75	-0.00
42 Acenaphthene-d10	15.38	14.88	15.88	15.39	0.10
59 Phenanthrene-d10	18.44	17.94	18.94	18.46	0.13
69 Chrysene-d12	23.51	23.01	24.01	23.55	0.16
134 Di-n-octylphthala	24.57	24.07	25.07	24.62	0.19
77 Perylene-d12	26.29	25.79	26.79	26.35	0.24

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020091911.D

Lab ID: SII0276-SCV1
nt10.i, ABN.m, 19-SEP-2020 18:28

RT	CO-ELUTION COMPOUNDS
26.216	Perylene and Benzo(a)pyrene

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.995	1.002	-0.0074	Perylene

RRT check based on Ccal File: NT1020091910.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Analytical Resources, Incorporated
Analytical Chemists and Consultants

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, Inc.
SDG: 20I0181
Client: Anchor QEA, LLC
Project: Lower Duwamish AOC4
Calibration: DJ00051
Laboratory ID: SIJ0179-SCV1
Sequence: SIJ0179
Standard ID: I006450

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Phenol	5.0000	5.1	2.5	20.00
4-Methylphenol	5.0000	4.7	-5.5	20.00
Naphthalene	5.0000	4.7	-5.4	20.00
2-Methylnaphthalene	5.0000	4.9	-1.8	20.00
Acenaphthylene	5.0000	4.1	-18.1	20.00
Dimethylphthalate	5.0000	4.8	-4.1	20.00
Acenaphthene	5.0000	4.5	-9.5	20.00
Dibenzofuran	5.0000	4.9	-2.7	20.00
Fluorene	5.0000	4.4	-12.2	20.00
Phenanthrene	5.0000	4.9	-1.5	20.00
Anthracene	5.0000	4.8	-4.1	20.00
Fluoranthene	5.0000	4.7	-6.1	20.00
Pyrene	5.0000	4.8	-4.0	20.00
Butylbenzylphthalate	5.0000	4.9	-2.5	20.00
Benzo(a)anthracene	5.0000	4.7	-6.3	20.00
Chrysene	5.0000	4.8	-3.2	20.00
bis(2-Ethylhexyl)phthalate	5.0000	4.9	-1.1	20.00
Benzofluoranthenes, Total	10.000	9.6	-4.0	20.00
Benzo(a)pyrene	5.0000	4.9	-1.1	20.00
Indeno(1,2,3-cd)pyrene	5.0000	4.7	-5.8	20.00
Dibenzo(a,h)anthracene	5.0000	4.7	-6.4	20.00
Benzo(g,h,i)perylene	5.0000	4.7	-6.1	20.00

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Page 1

Date : 13-OCT-2020 15:40

Client ID:

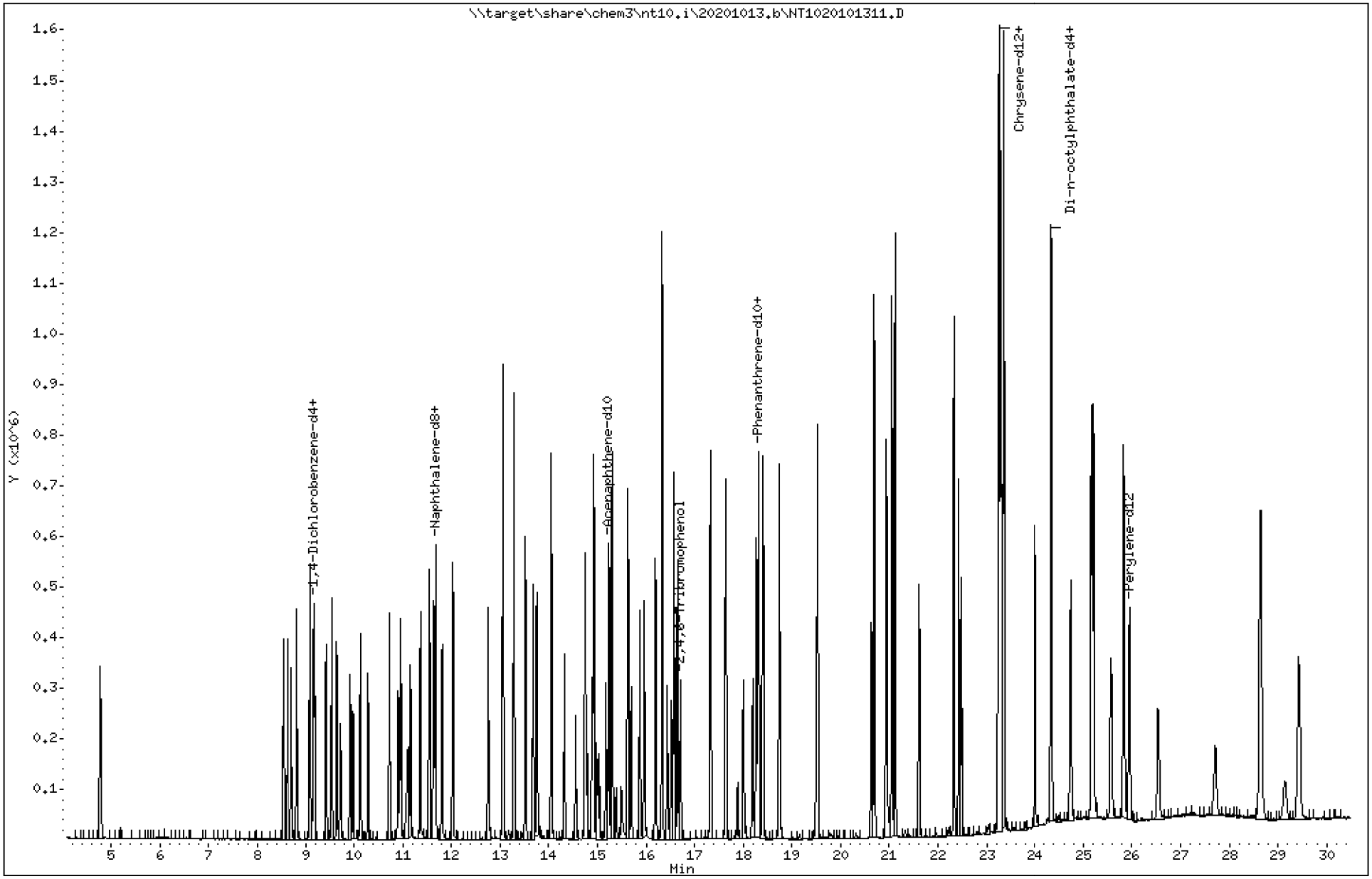
Instrument: nt10.i

Sample Info: SIJ0179-SCV1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

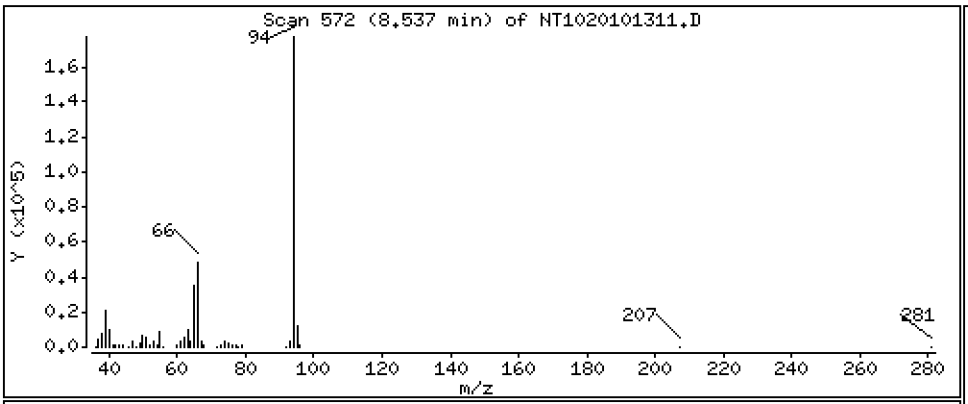
Operator: VTS

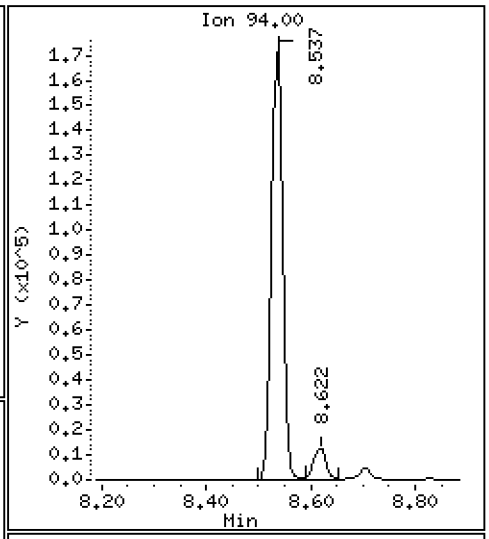
Column phase: ZB-5msi

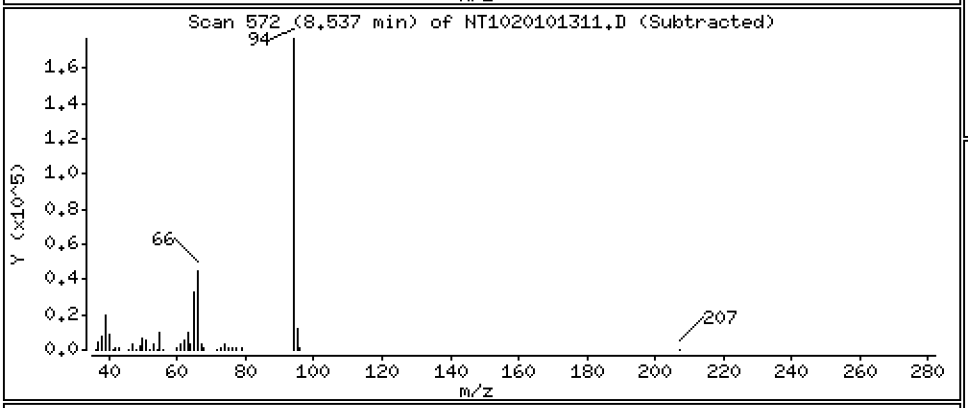
Column diameter: 0.25

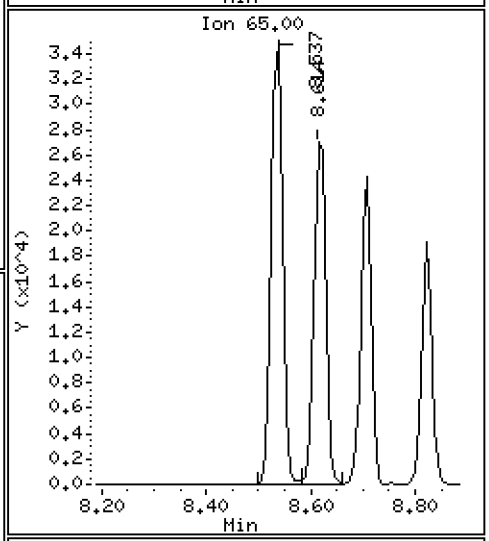
3 Phenol

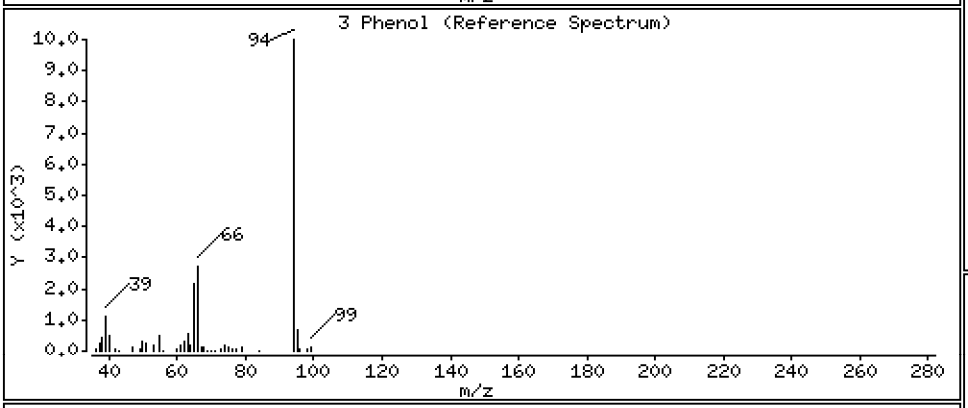
Concentration: 5.127 ug/mL

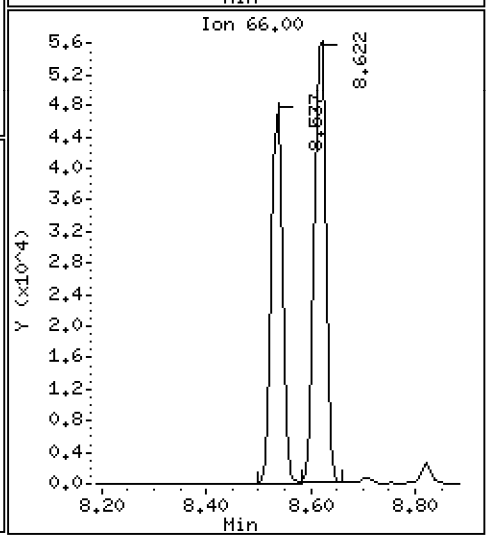


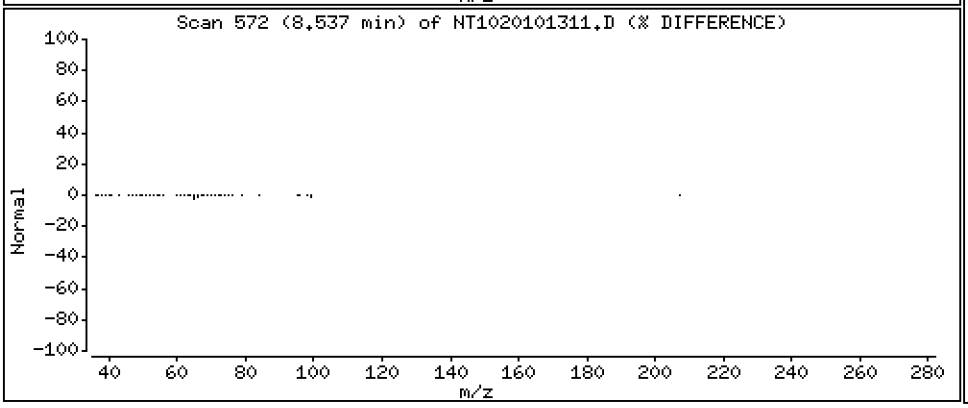












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

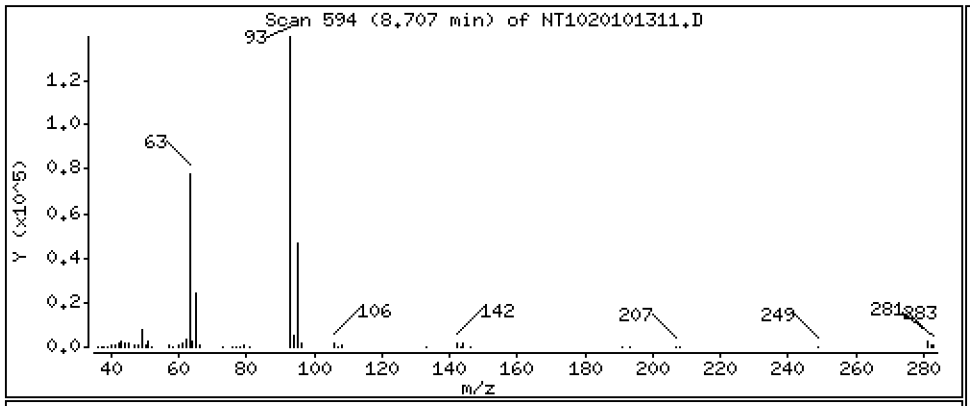
Operator: VTS

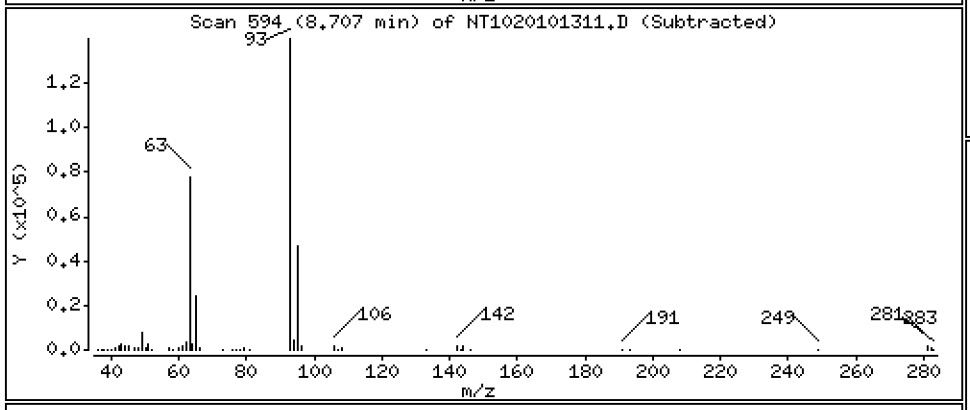
Column phase: ZB-5msi

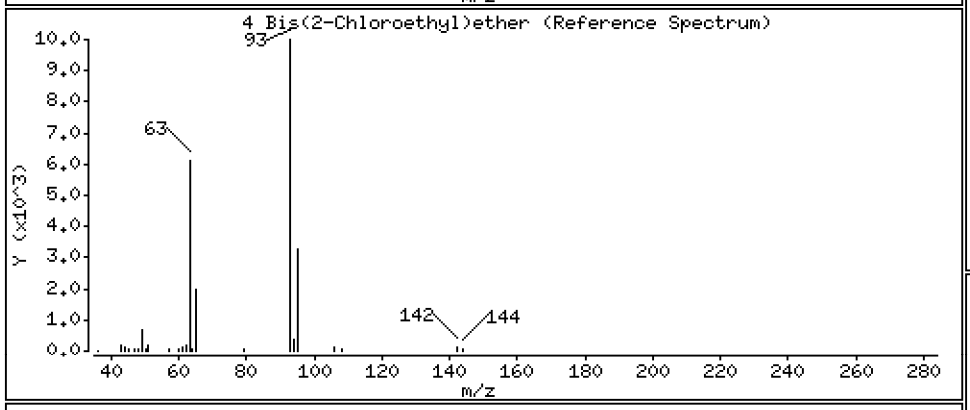
Column diameter: 0.25

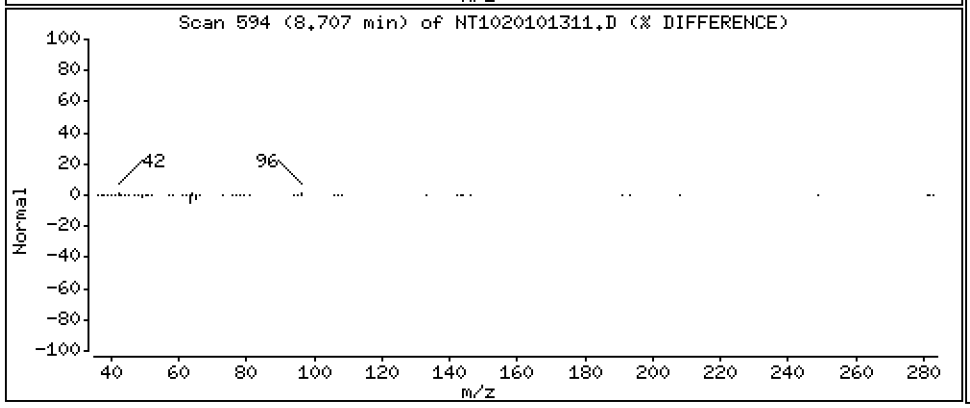
4 Bis(2-Chloroethyl)ether

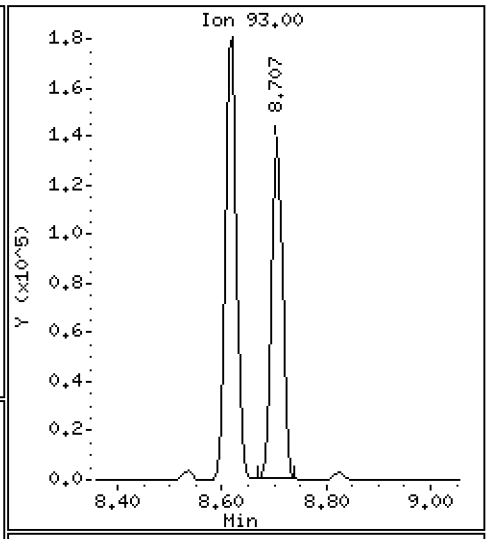
Concentration: 4.920 ug/mL

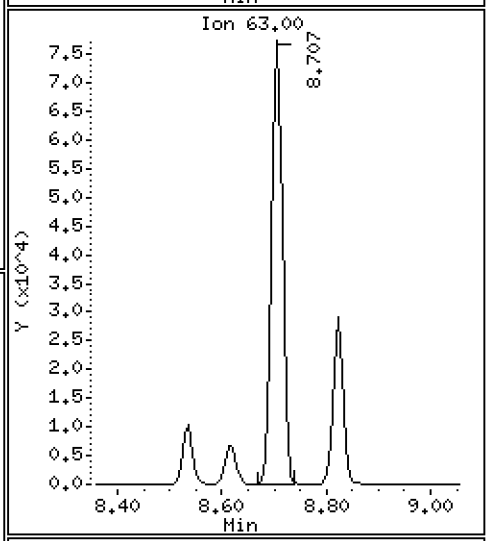


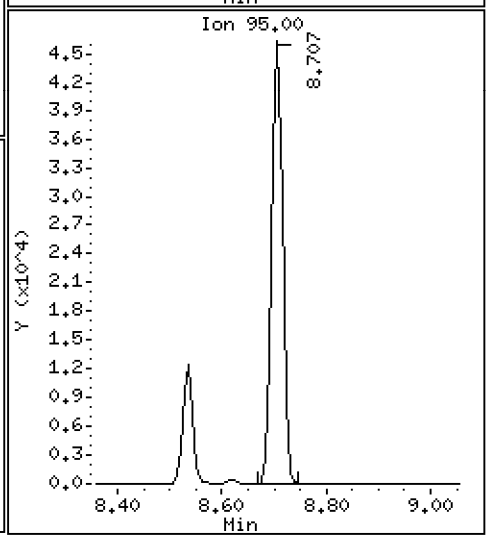












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

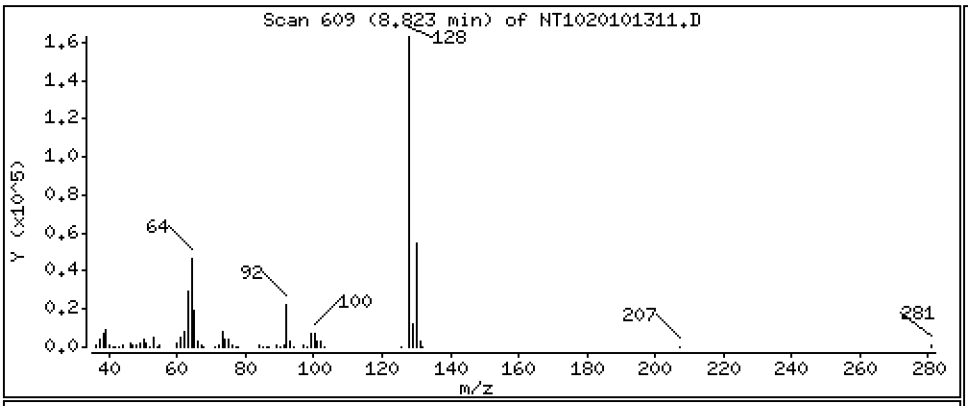
Operator: VTS

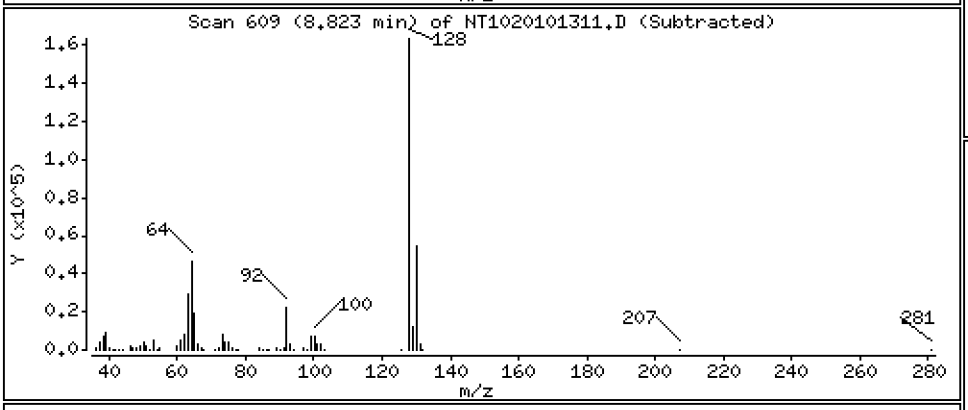
Column phase: ZB-5msi

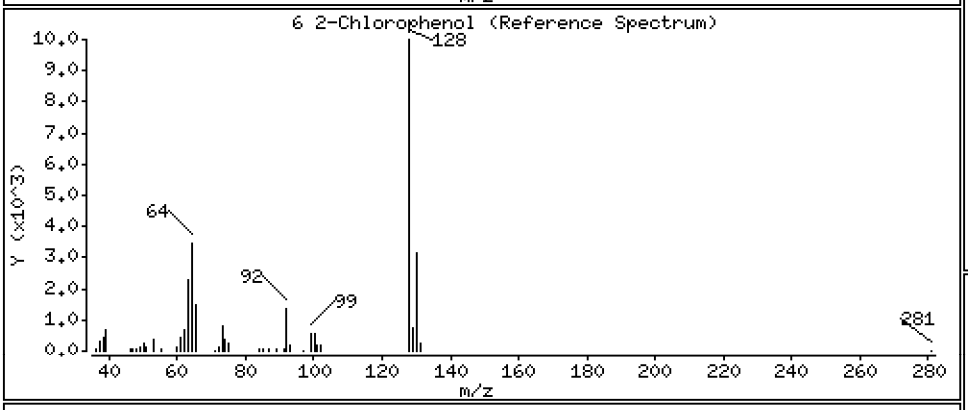
Column diameter: 0.25

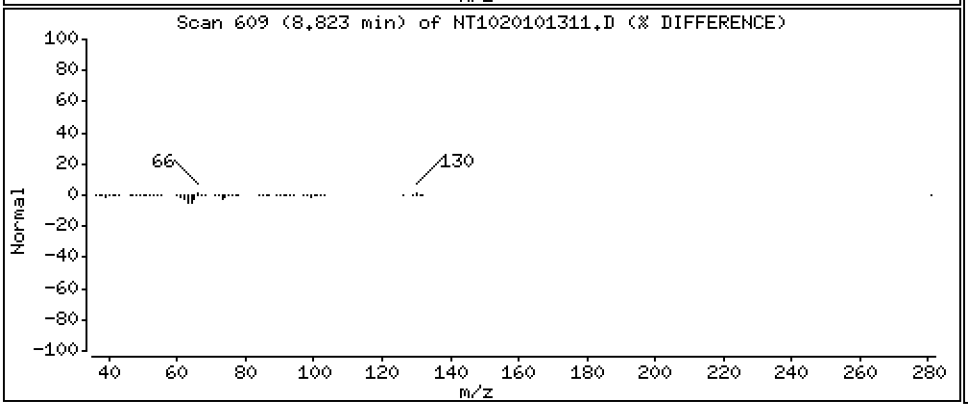
6 2-Chlorophenol

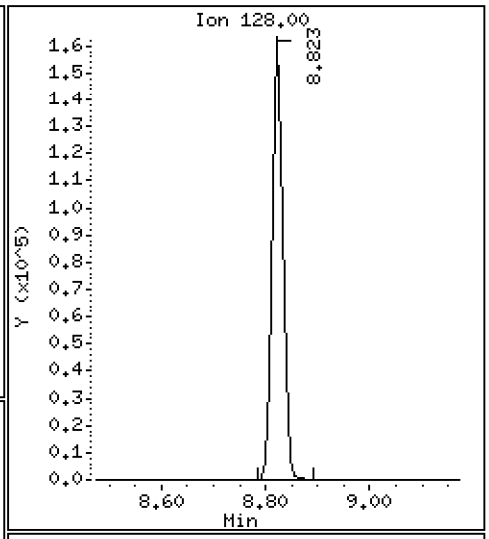
Concentration: 4.921 ug/mL

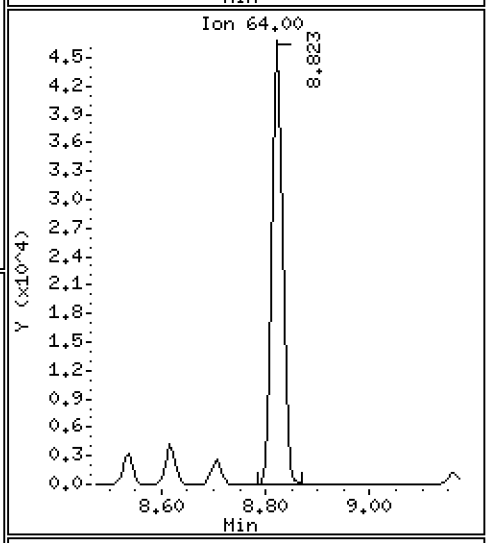


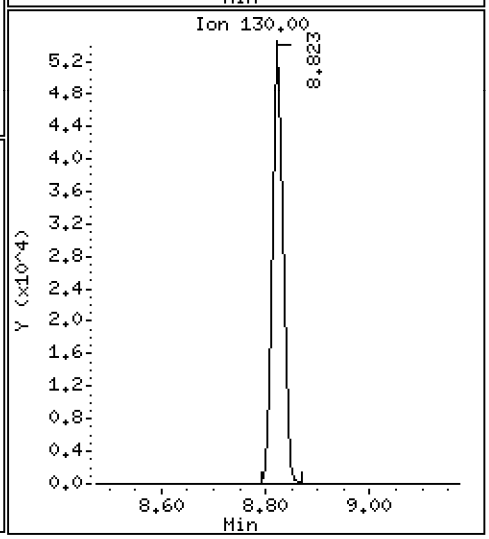












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

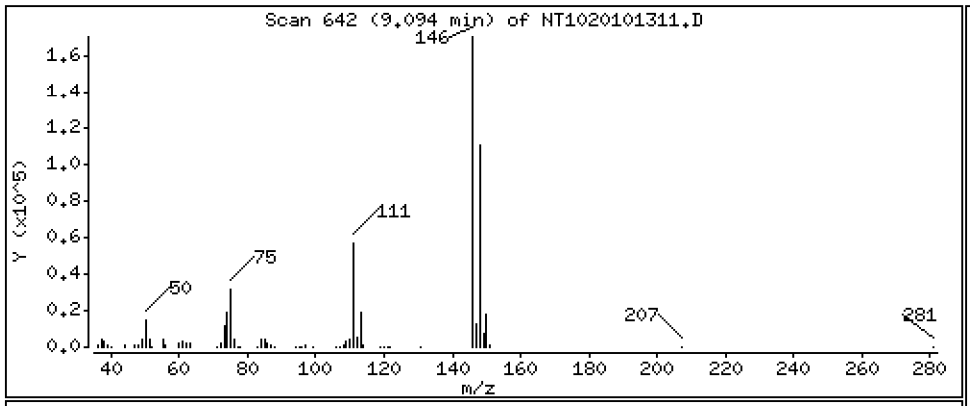
Operator: VTS

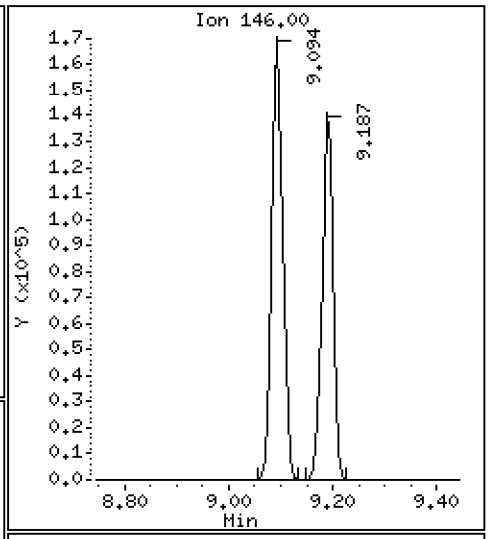
Column phase: ZB-5msi

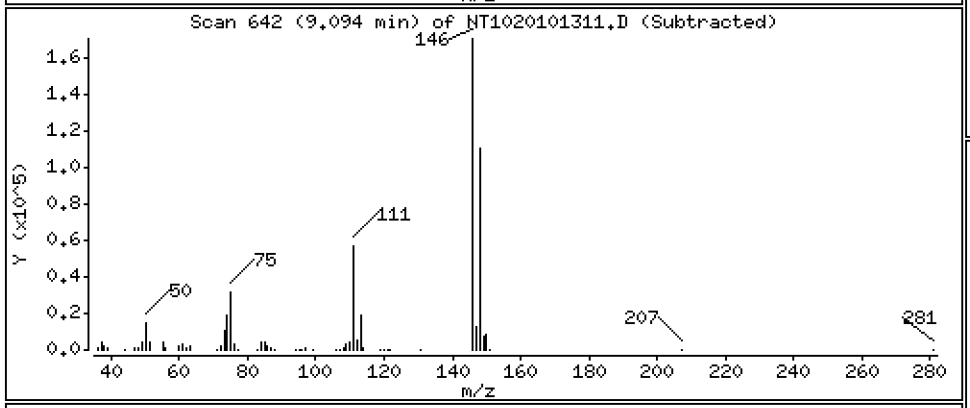
Column diameter: 0.25

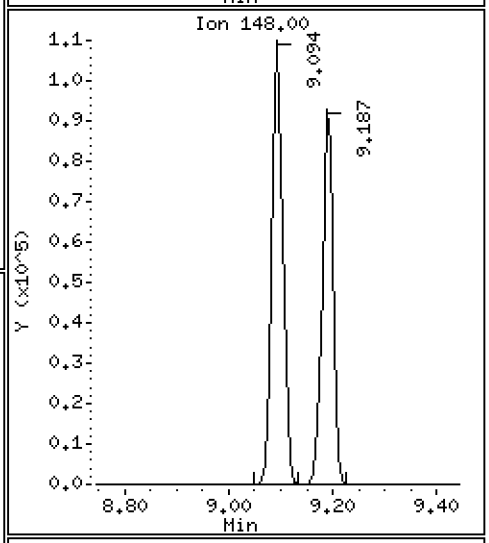
7 1,3-Dichlorobenzene

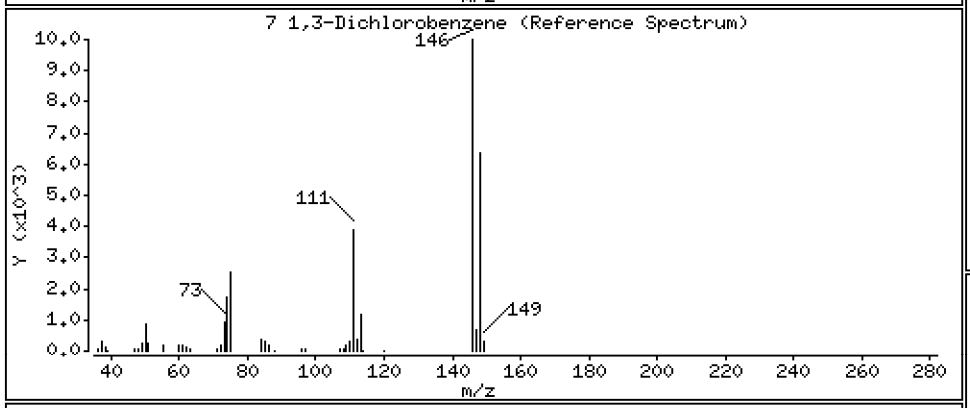
Concentration: 4.579 ug/mL

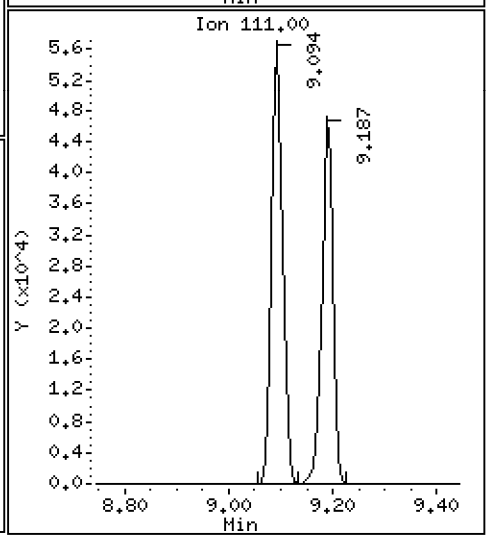


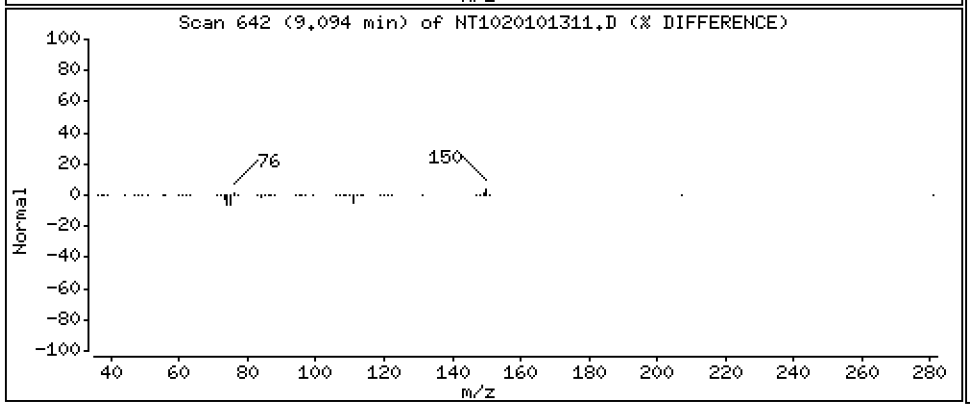












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

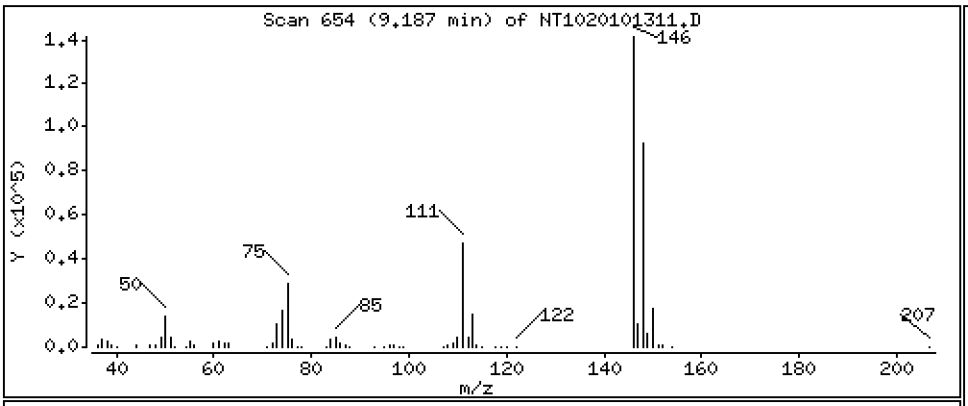
Operator: VTS

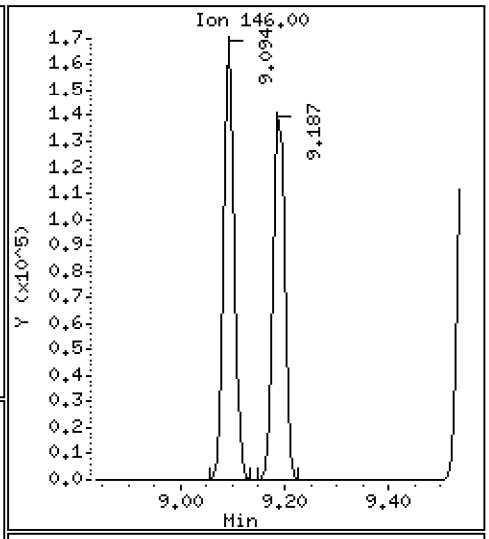
Column phase: ZB-5msi

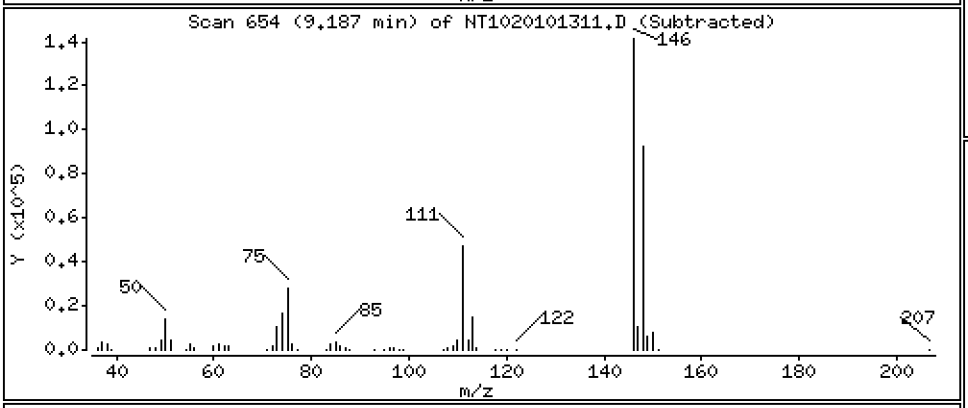
Column diameter: 0.25

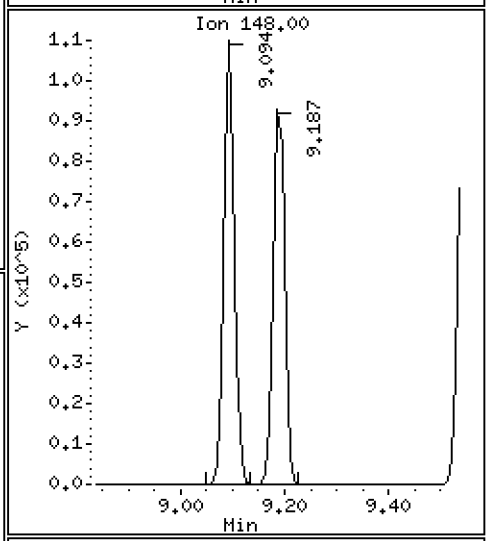
9 1,4-Dichlorobenzene

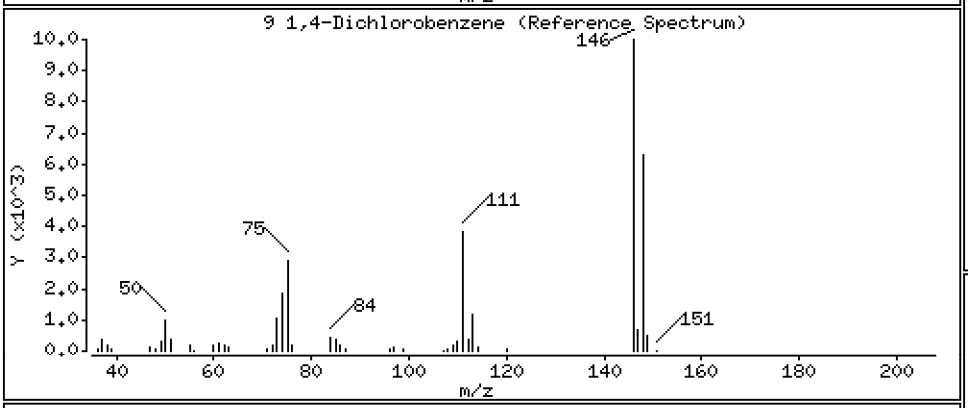
Concentration: 4.559 ug/mL

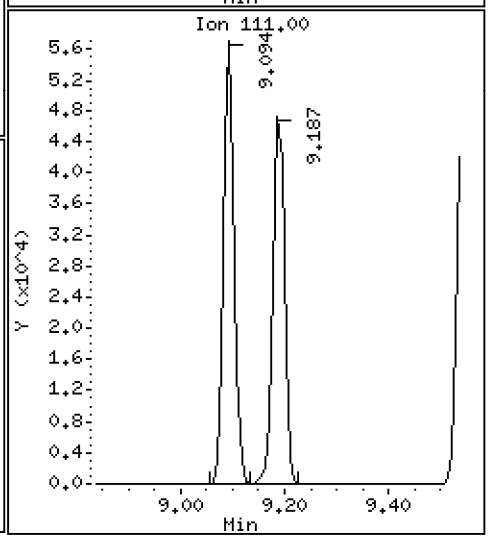


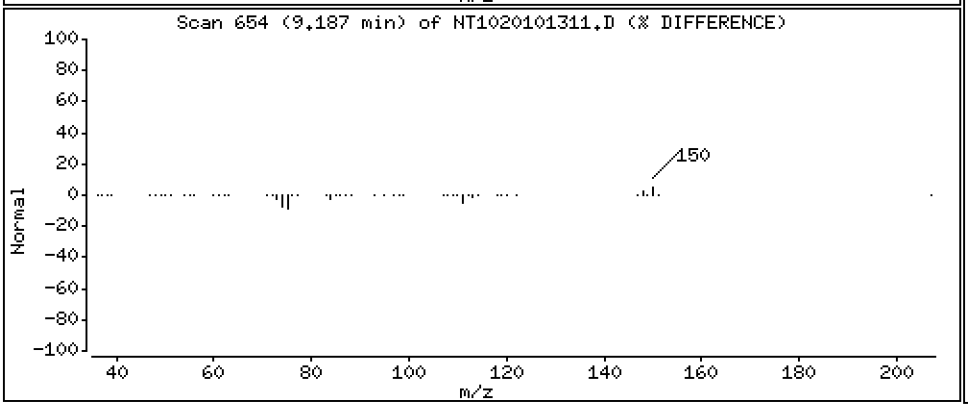












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

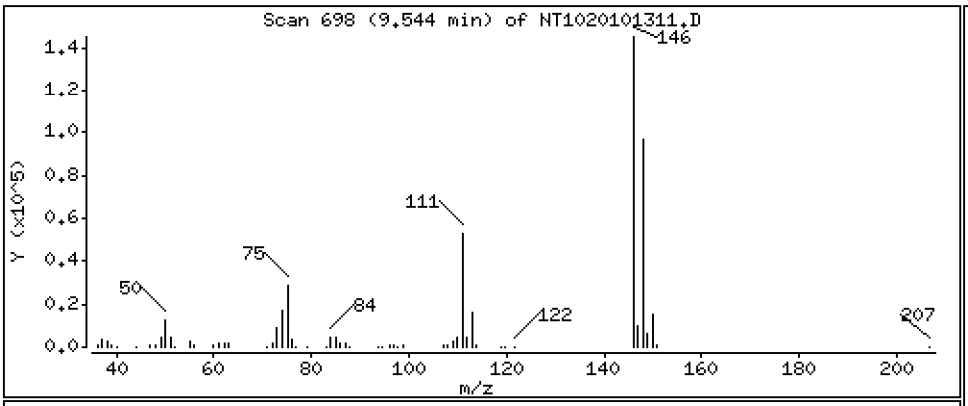
Operator: VTS

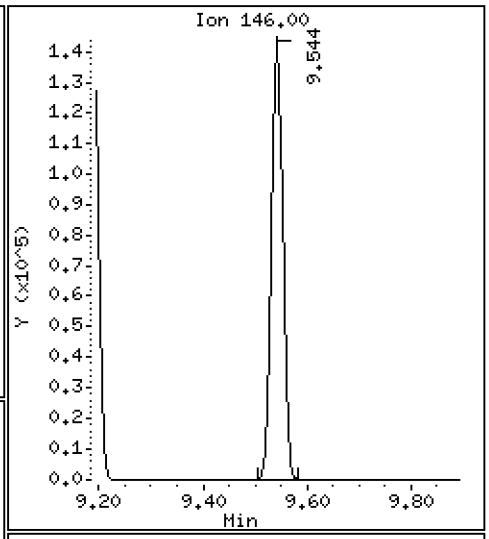
Column phase: ZB-5msi

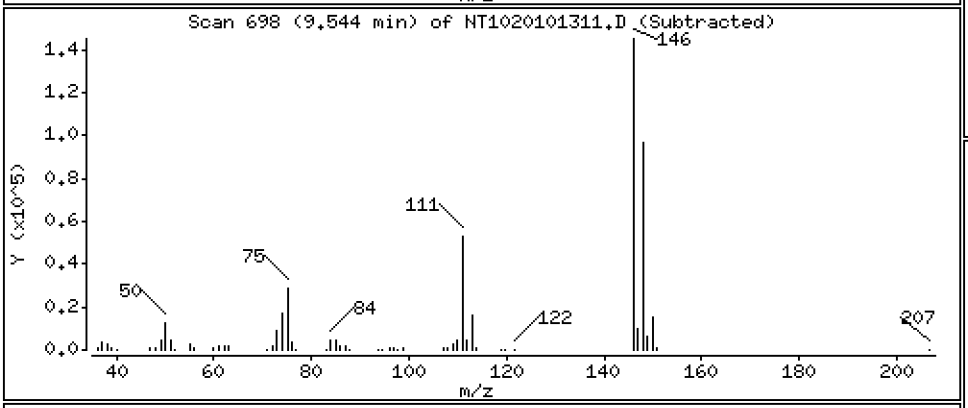
Column diameter: 0.25

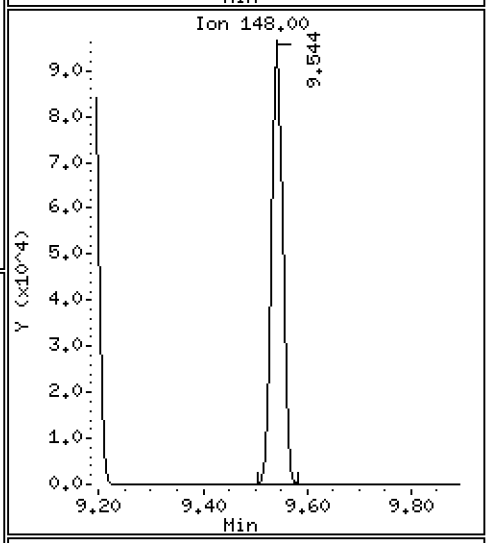
12 1,2-Dichlorobenzene

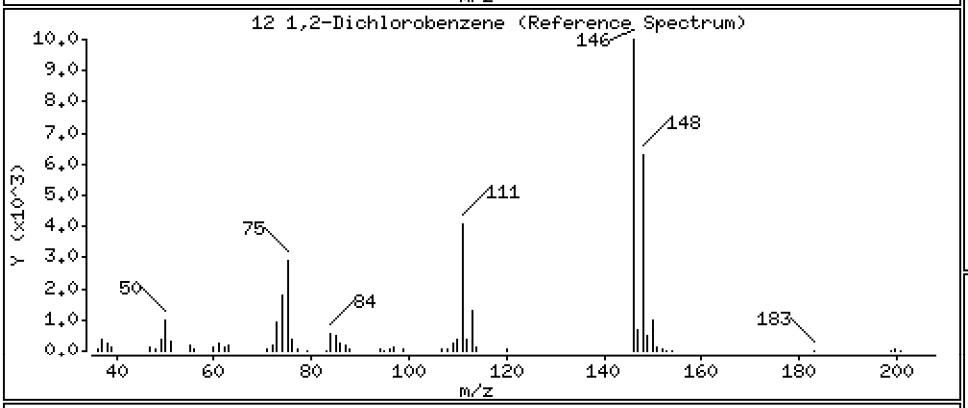
Concentration: 4.335 ug/mL

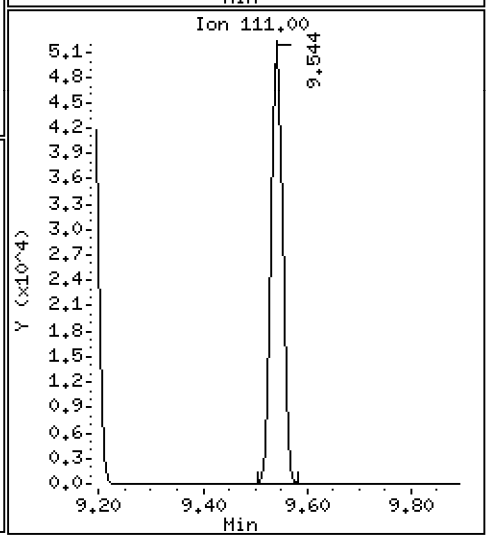


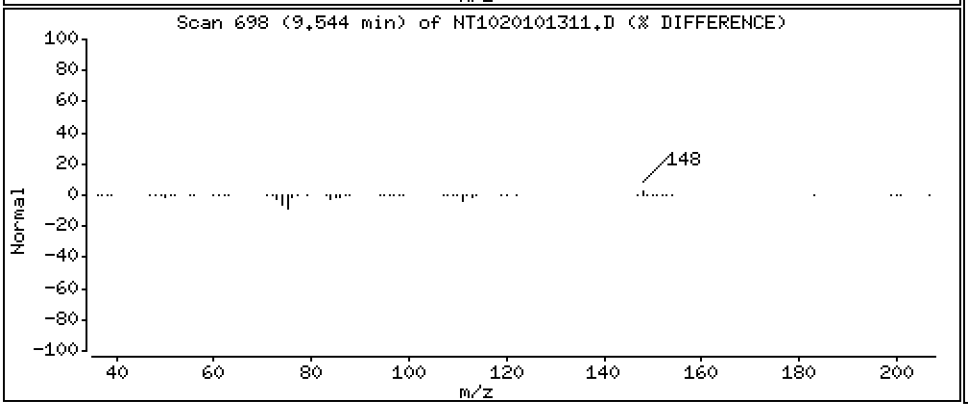












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

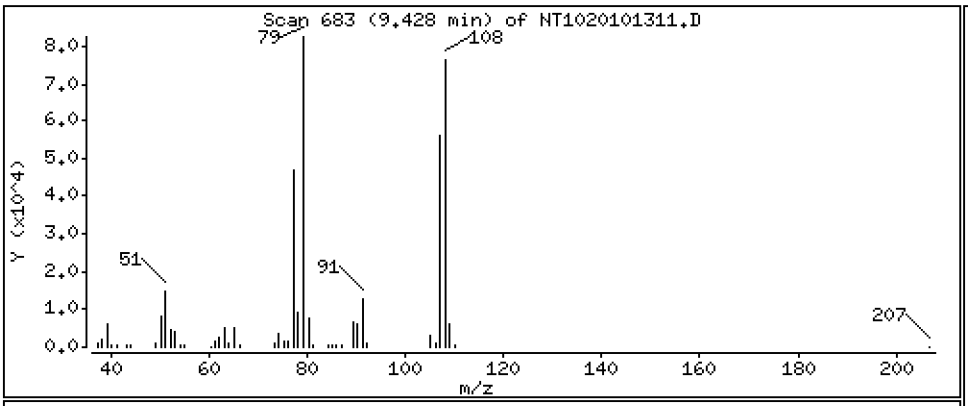
Operator: VTS

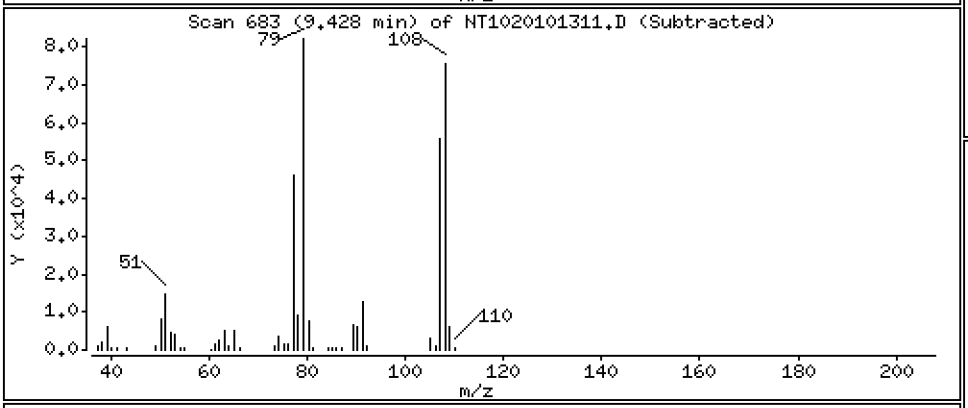
Column phase: ZB-5msi

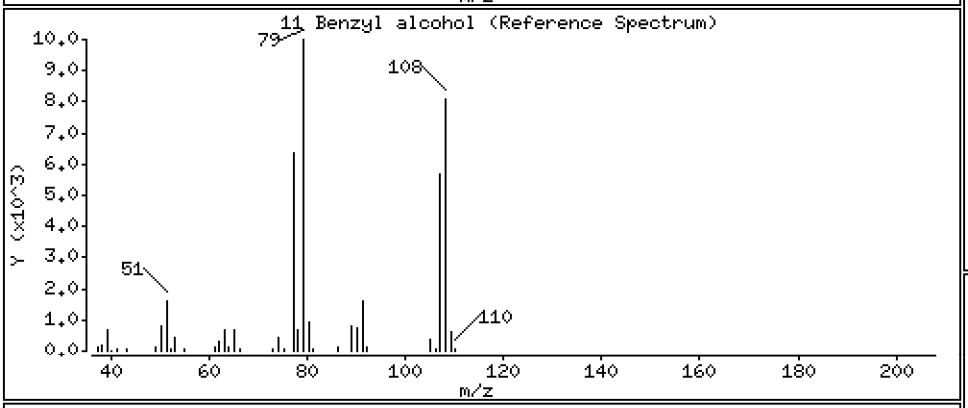
Column diameter: 0.25

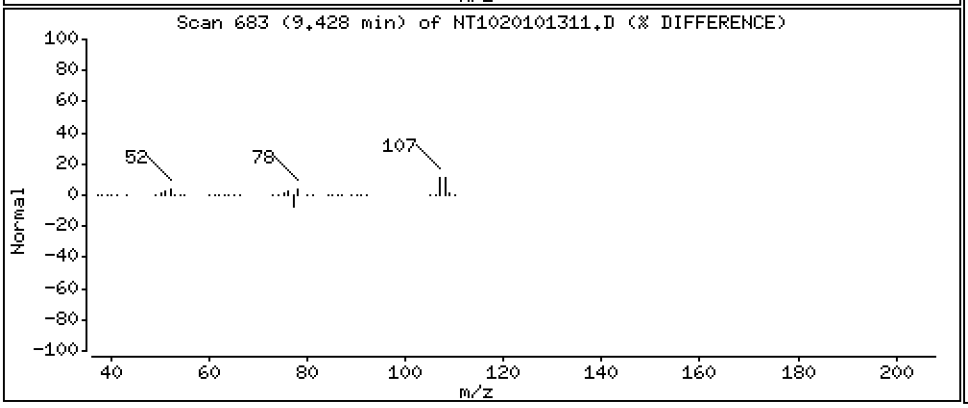
11 Benzyl alcohol

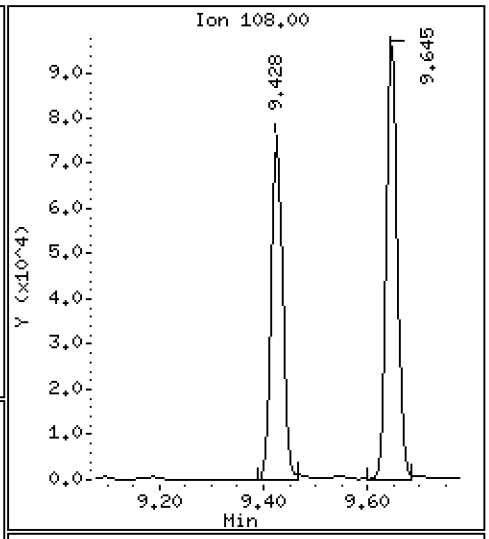
Concentration: 4.424 ug/mL

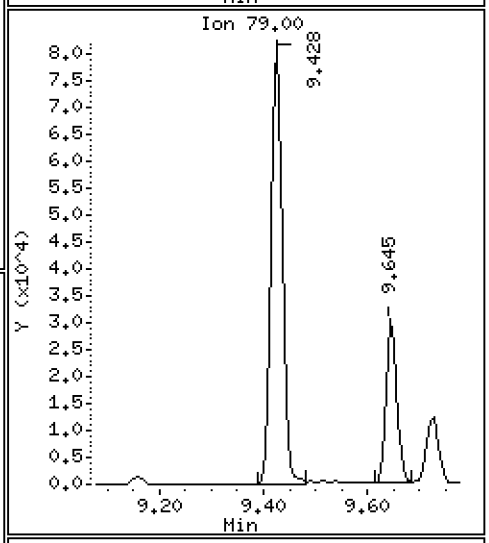


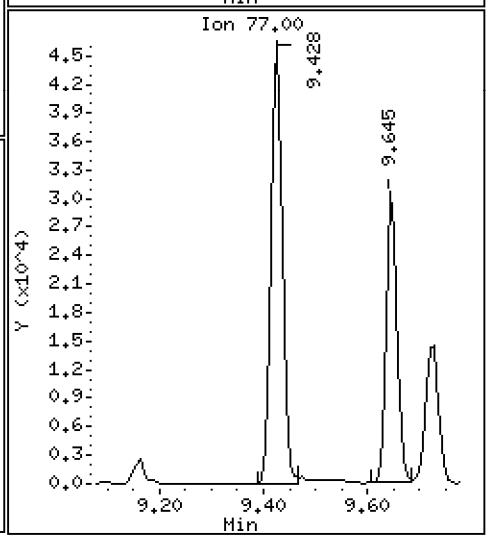












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

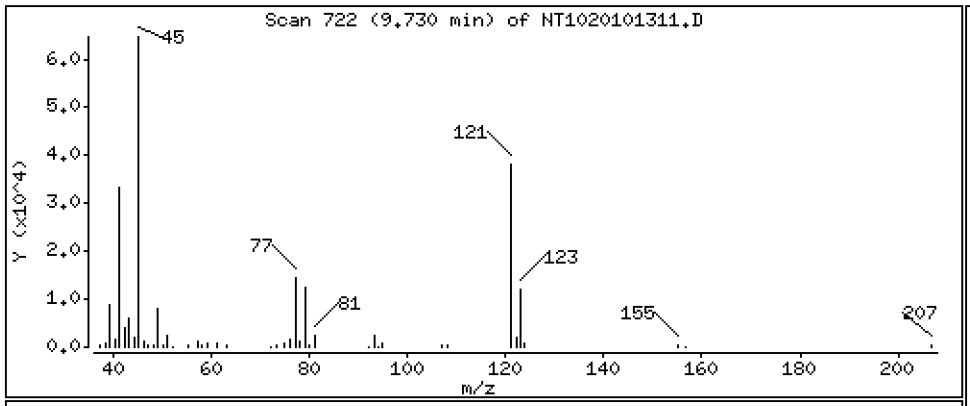
Operator: VTS

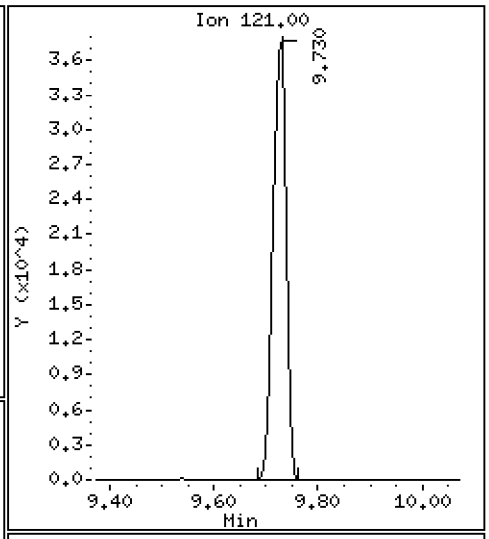
Column phase: ZB-5msi

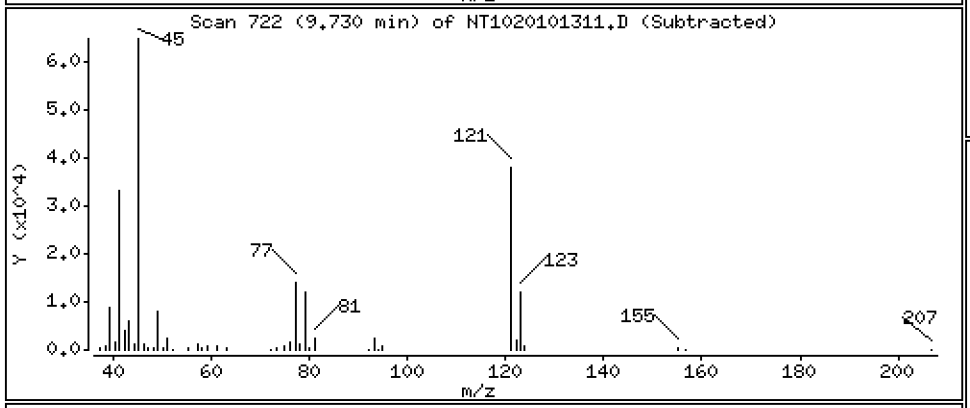
Column diameter: 0.25

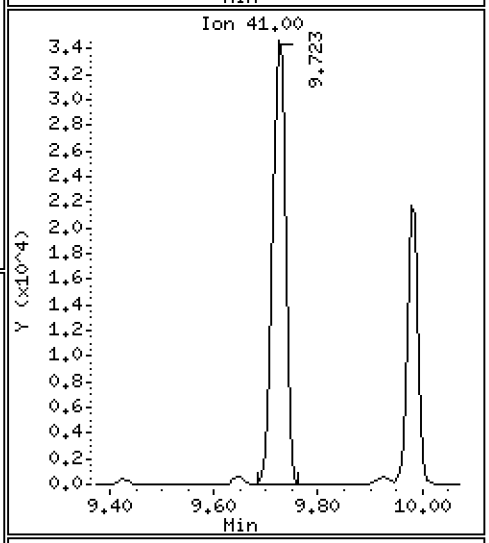
14 2,2'-oxybis(1-Chloropropane)

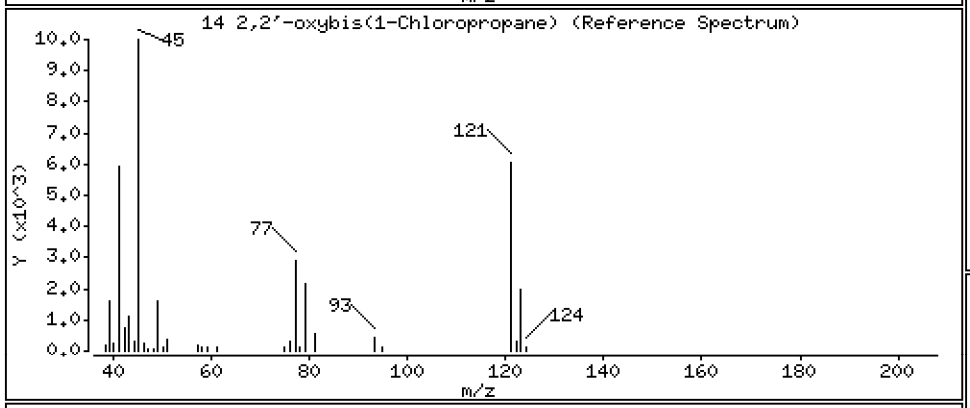
Concentration: 4.440 ug/mL

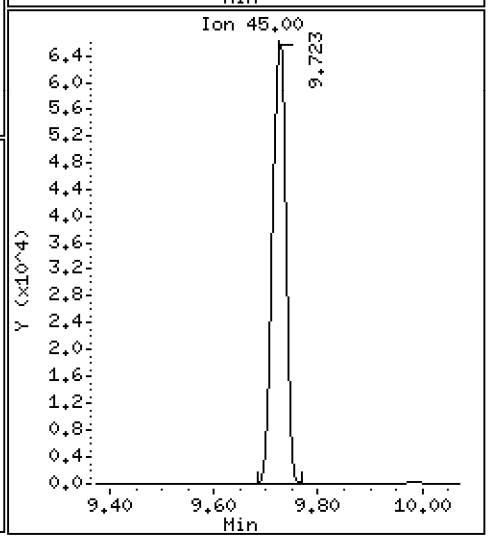


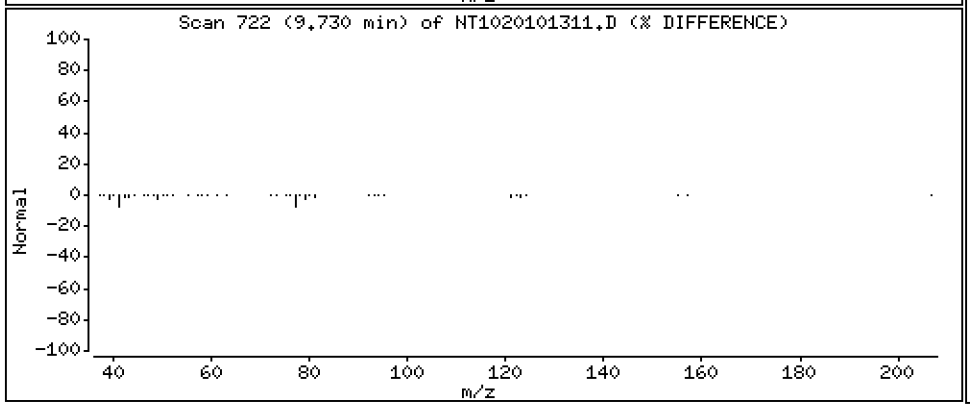












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

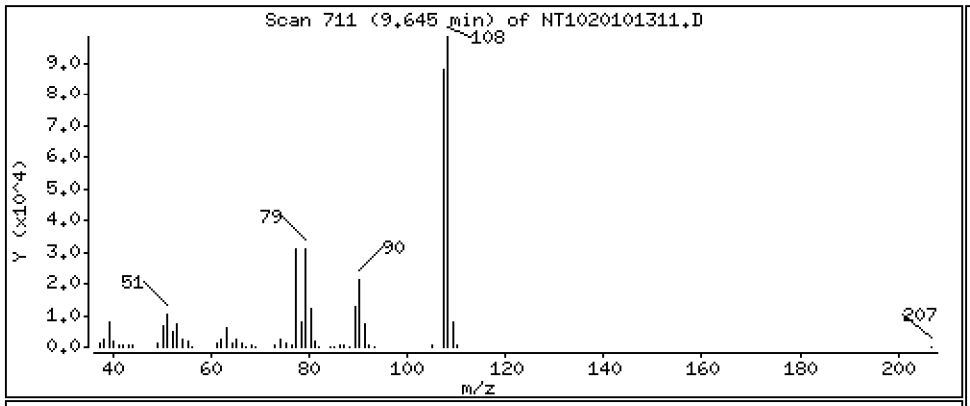
Operator: VTS

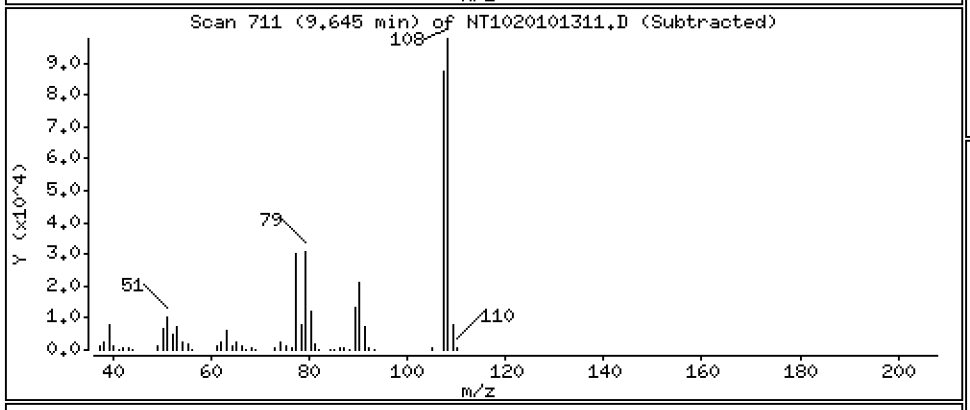
Column phase: ZB-5msi

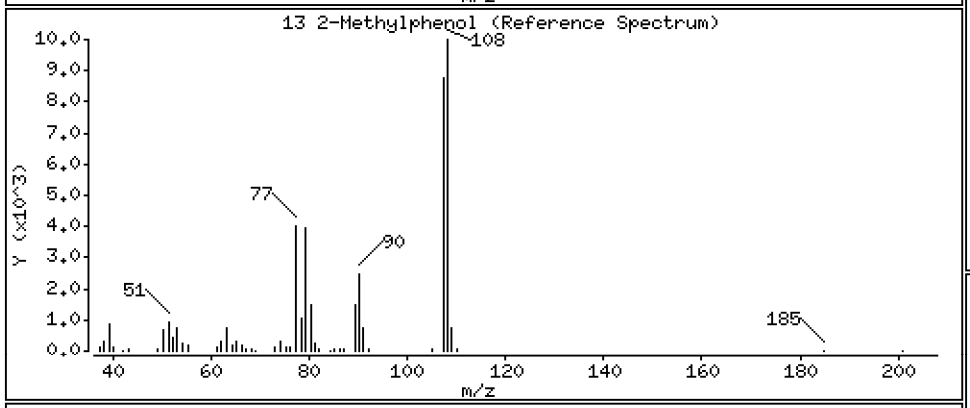
Column diameter: 0.25

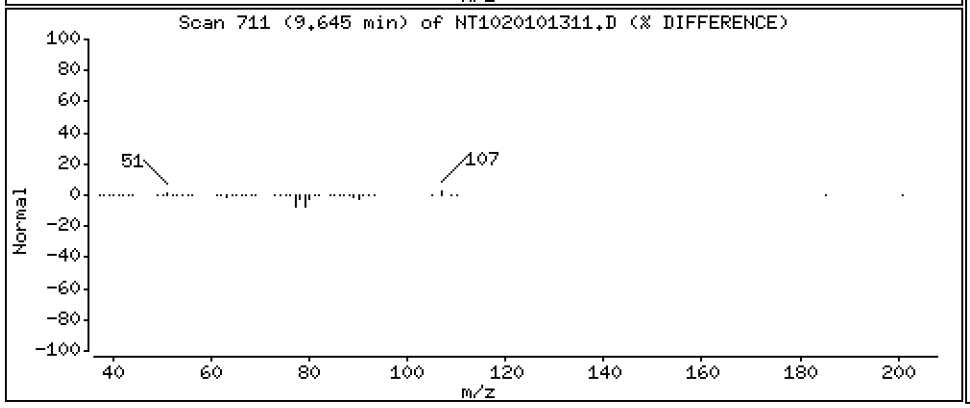
13 2-Methylphenol

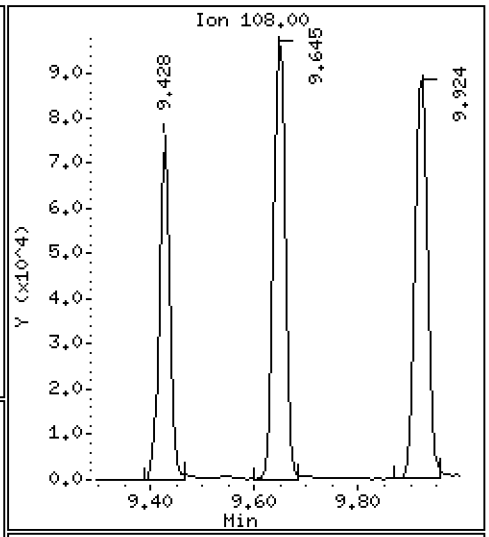
Concentration: 4.572 ug/mL

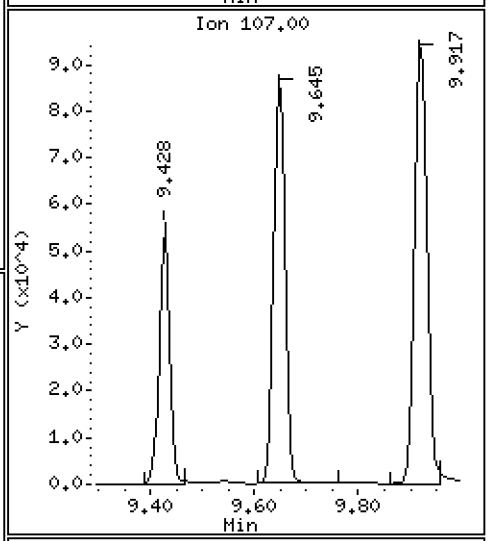


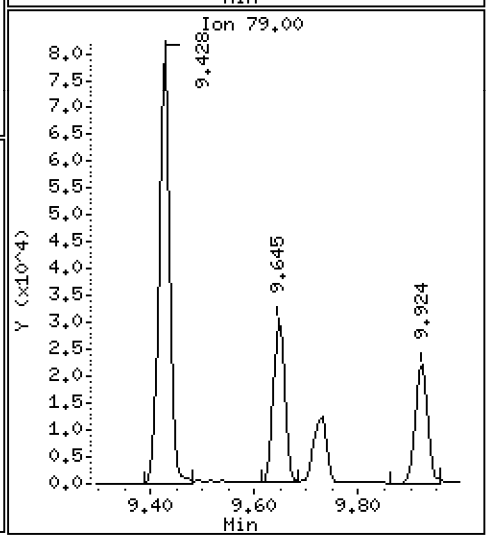












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

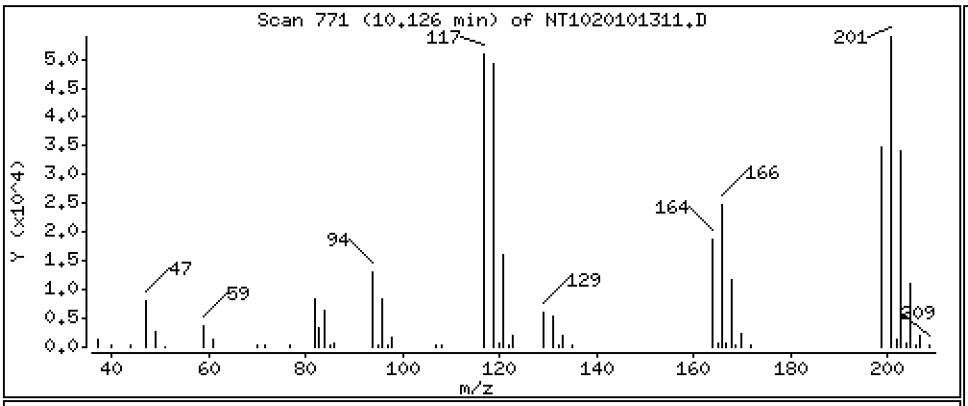
Operator: VTS

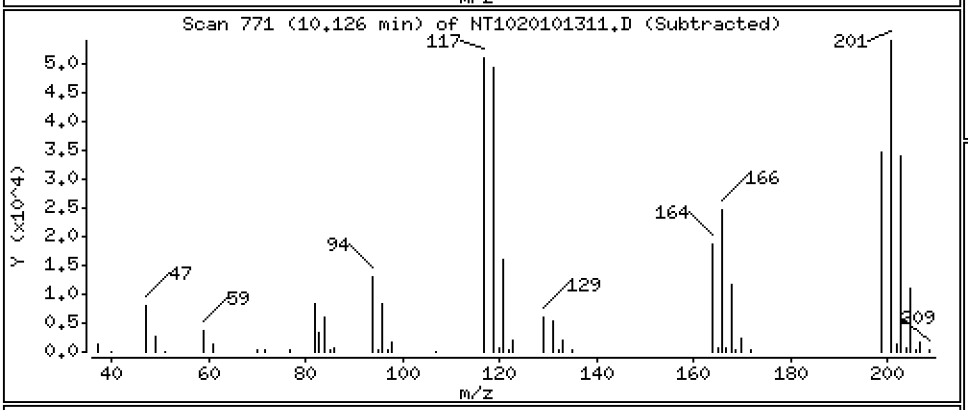
Column phase: ZB-5msi

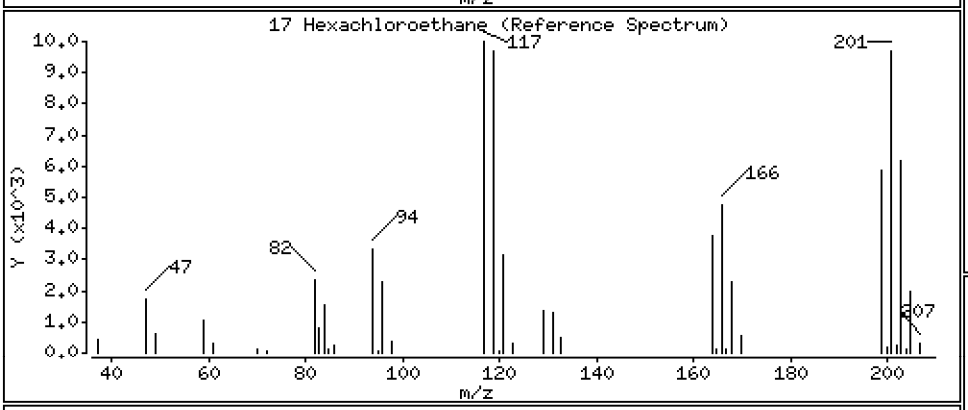
Column diameter: 0.25

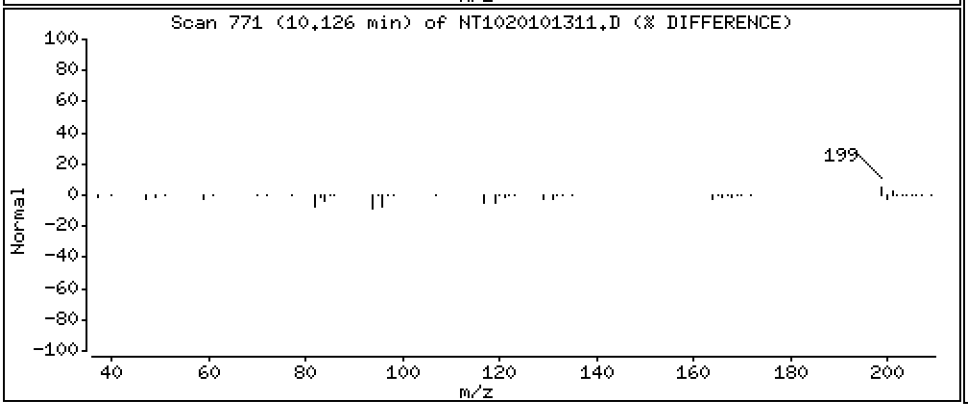
17 Hexachloroethane

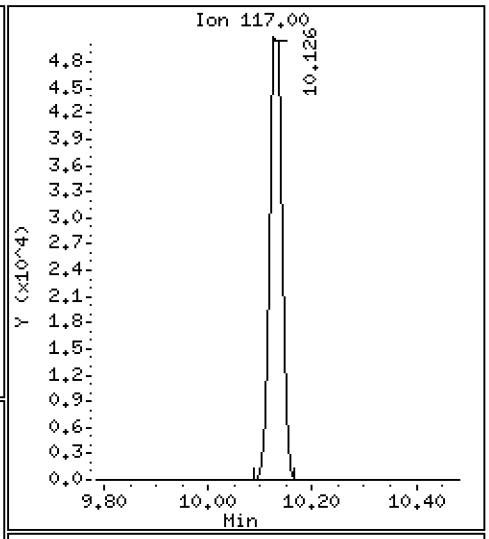
Concentration: 4.538 ug/mL

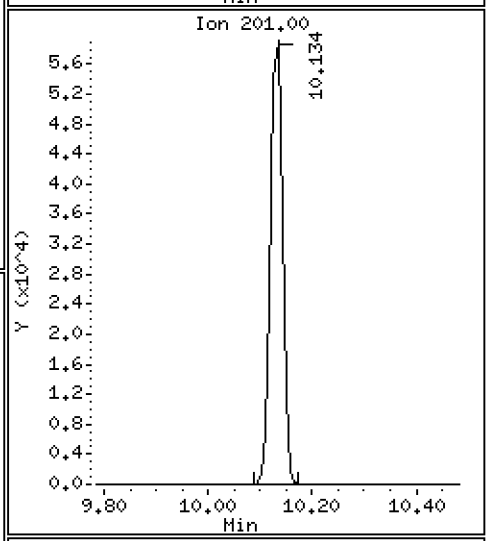


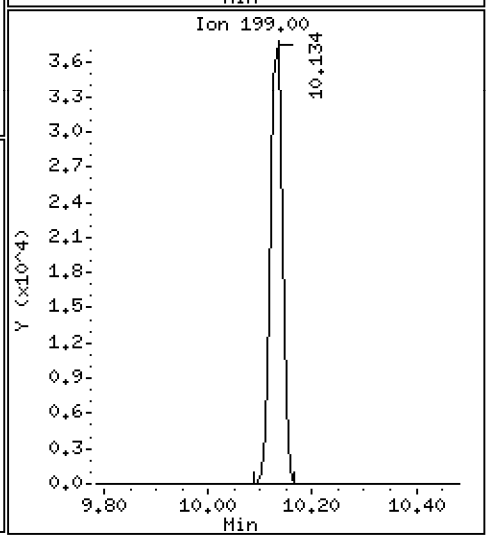












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

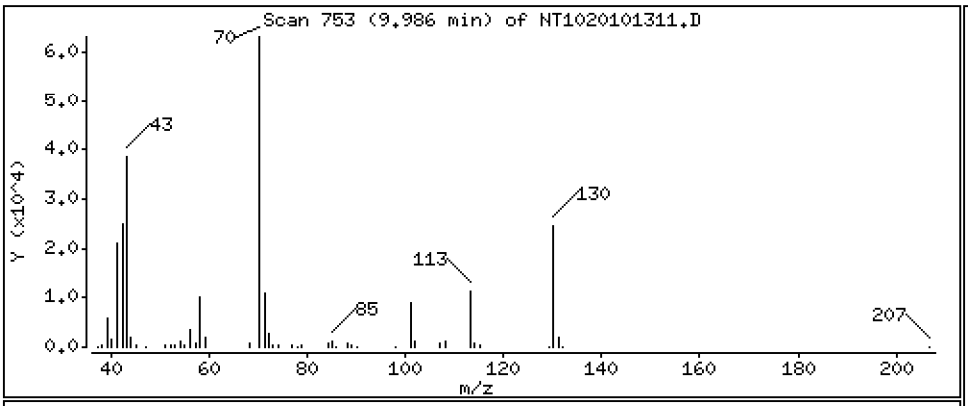
Operator: VTS

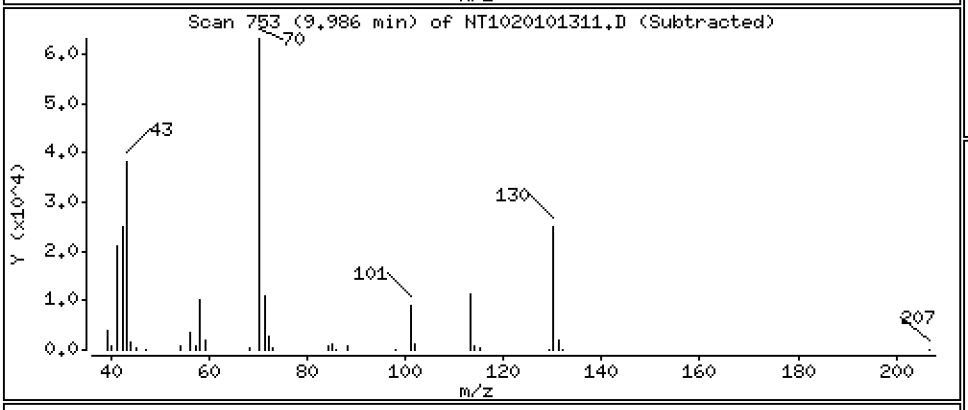
Column phase: ZB-5msi

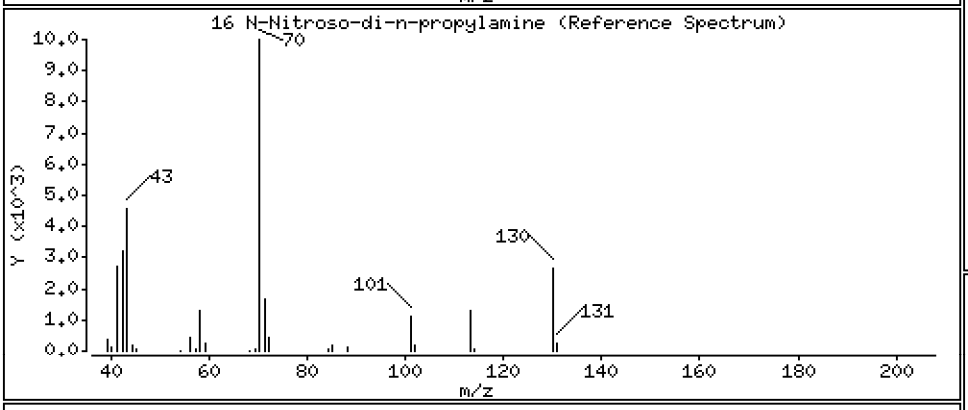
Column diameter: 0.25

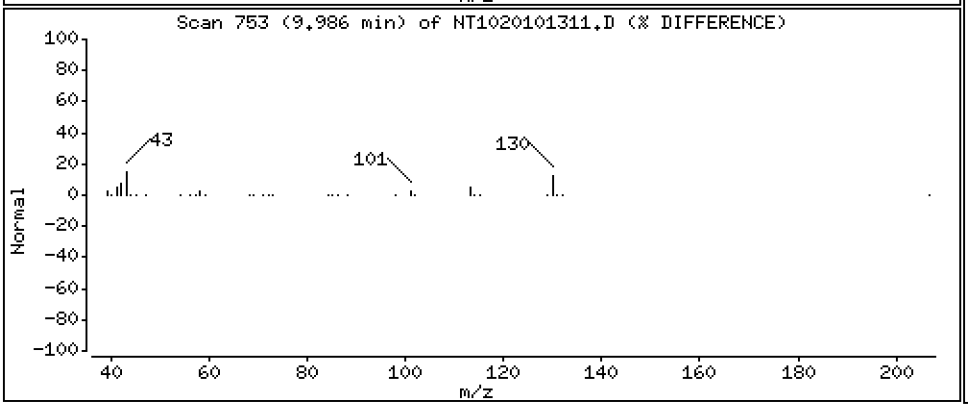
16 N-Nitroso-di-n-propylamine

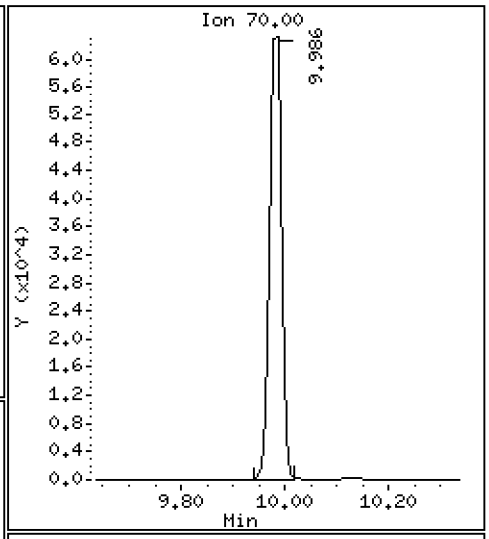
Concentration: 4.710 ug/mL

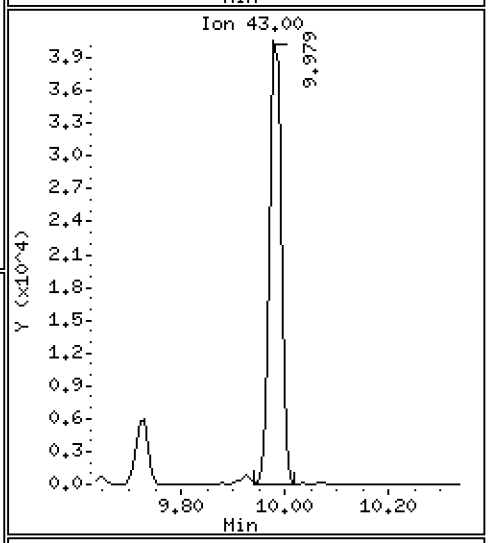


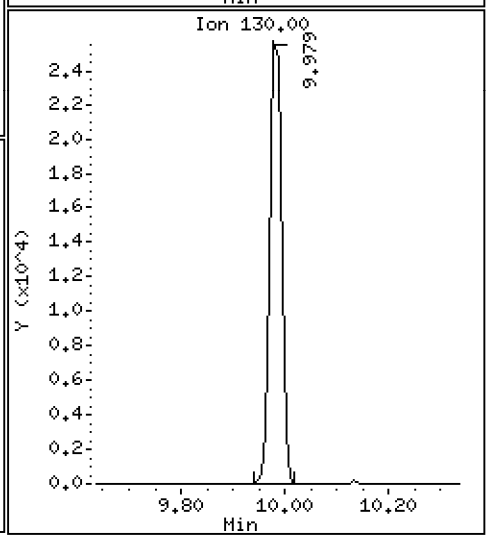












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

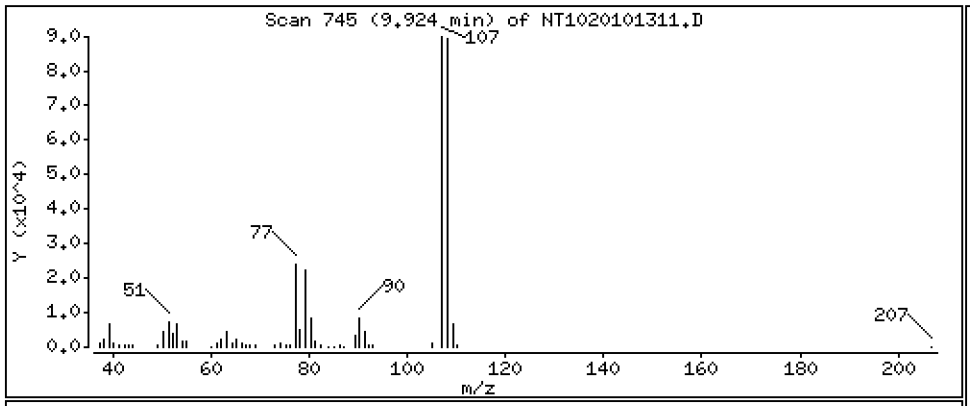
Operator: VTS

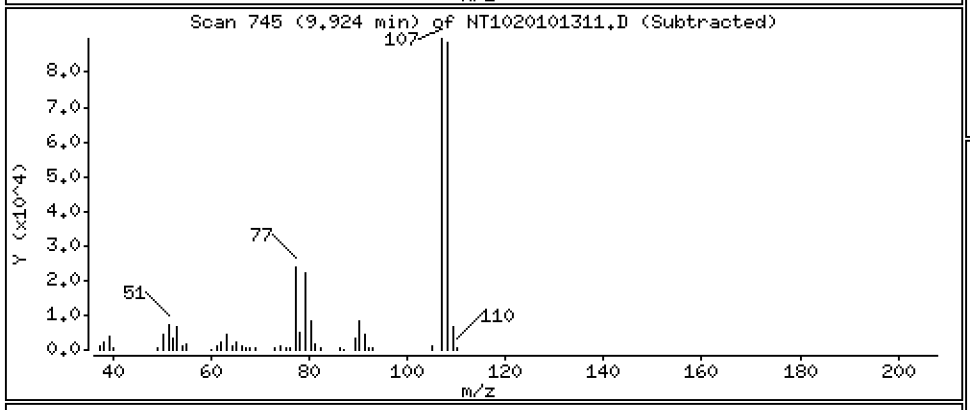
Column phase: ZB-5msi

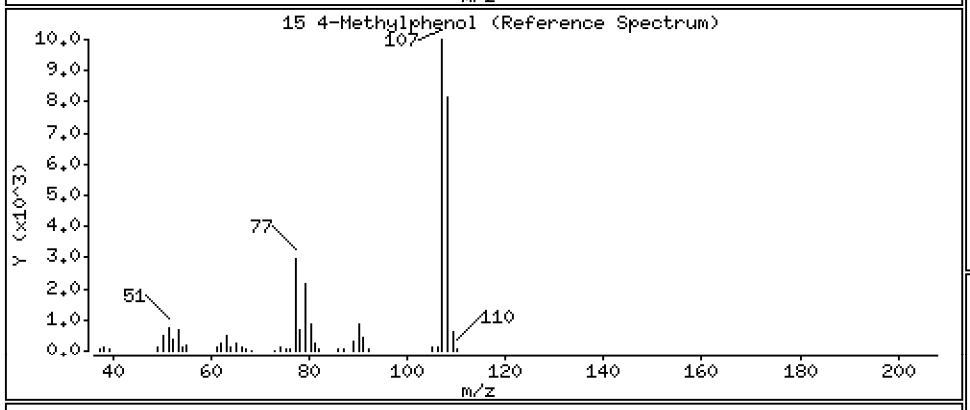
Column diameter: 0.25

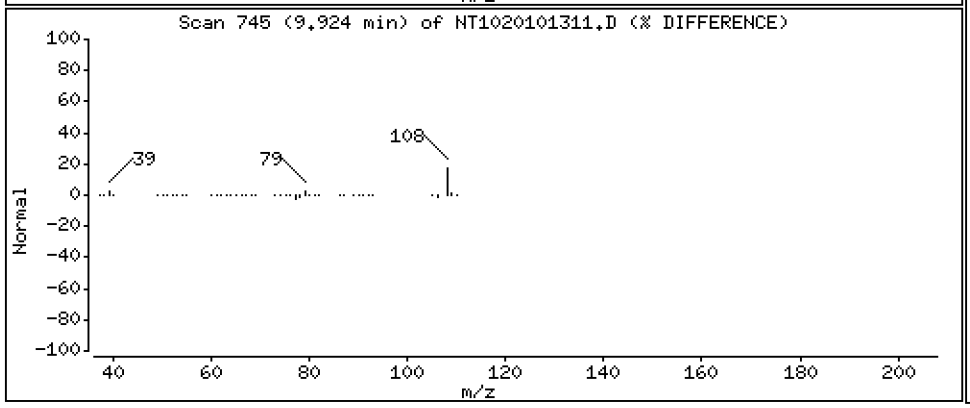
15 4-Methylphenol

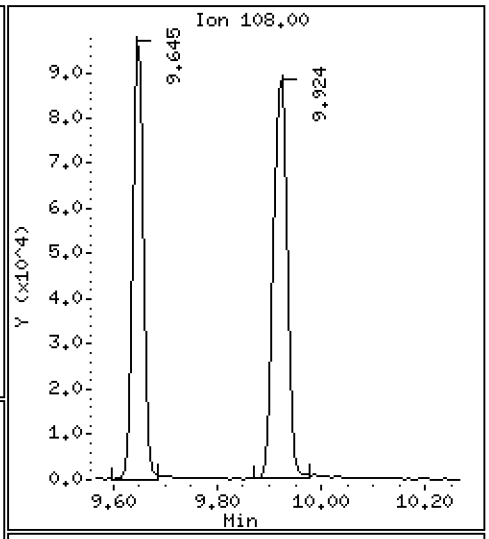
Concentration: 4.727 ug/mL

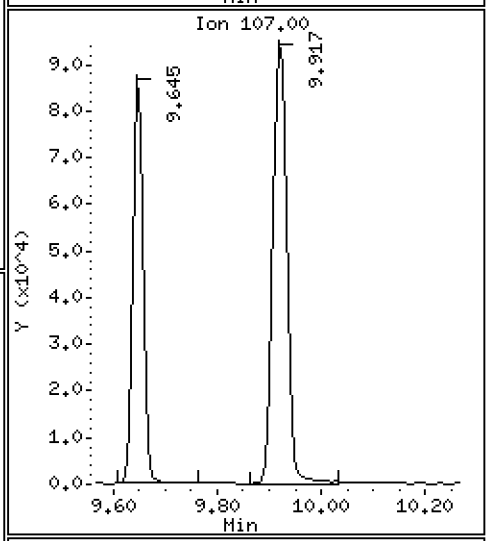


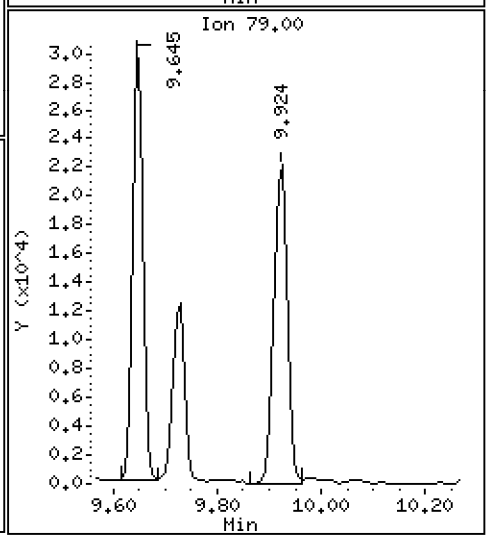












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

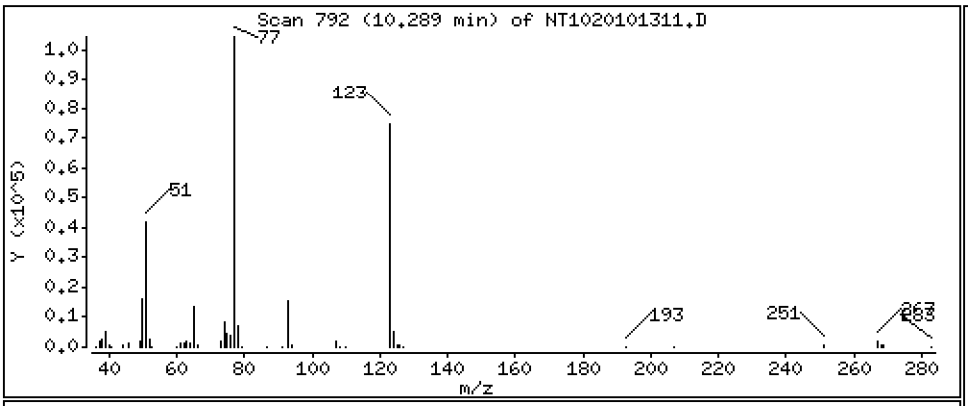
Operator: VTS

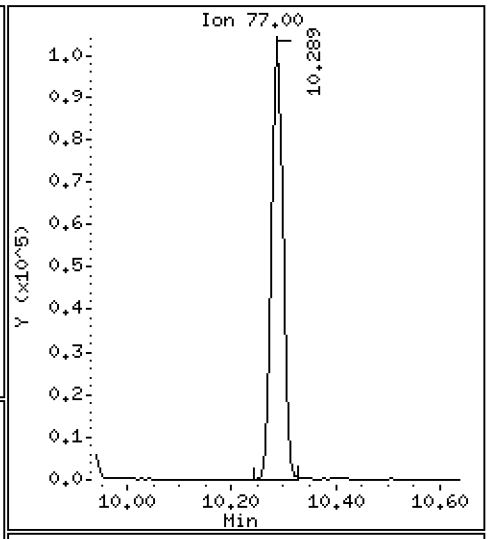
Column phase: ZB-5msi

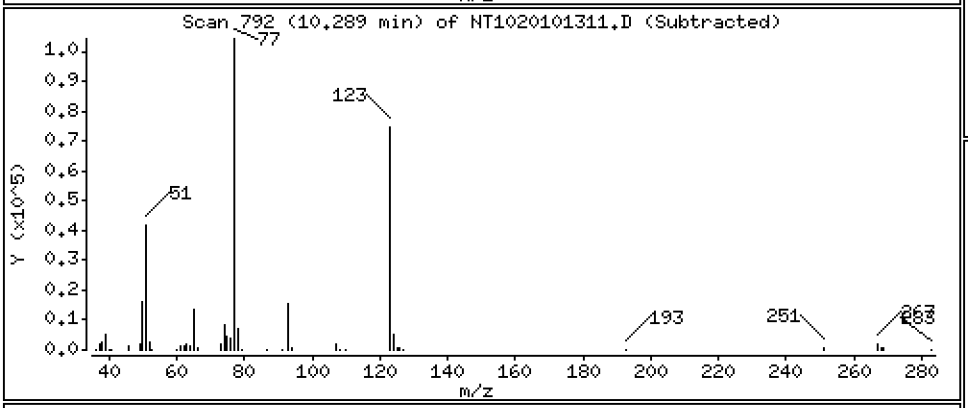
Column diameter: 0.25

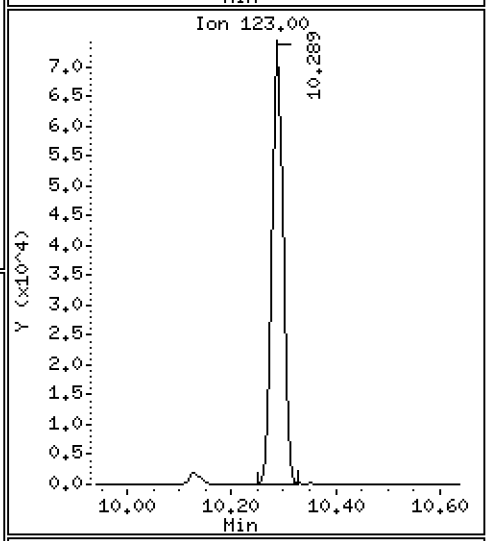
19 Nitrobenzene

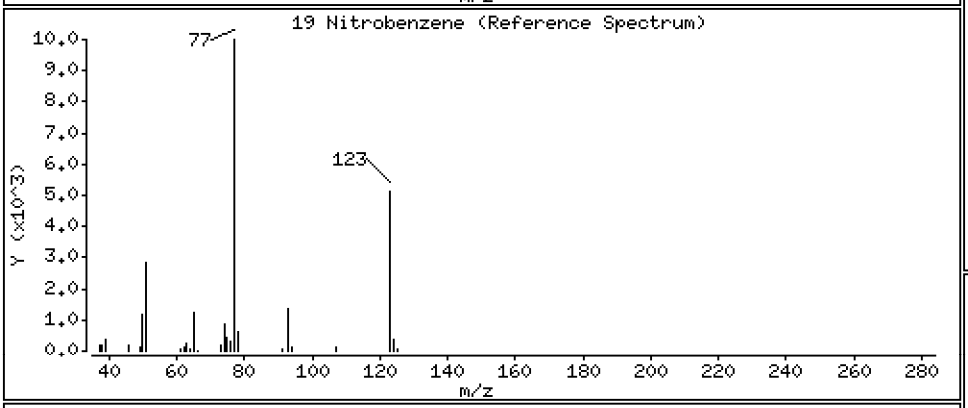
Concentration: 4.500 ug/mL

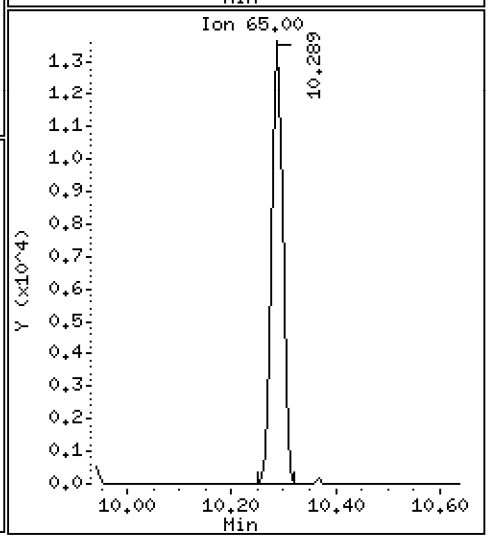


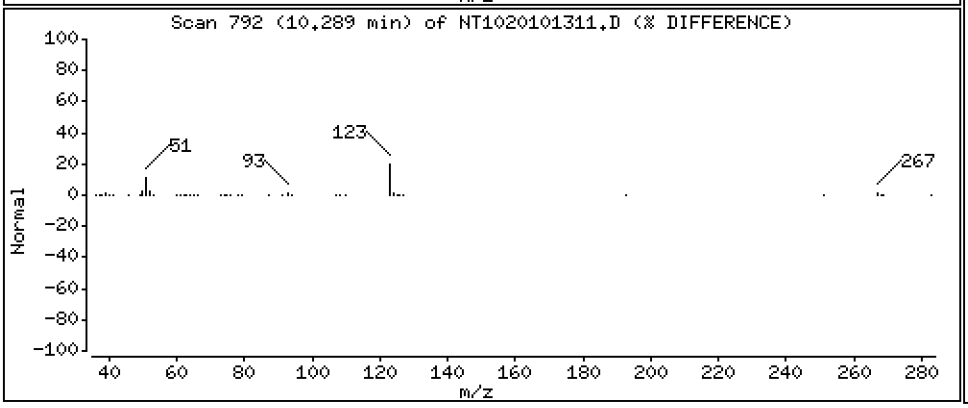












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

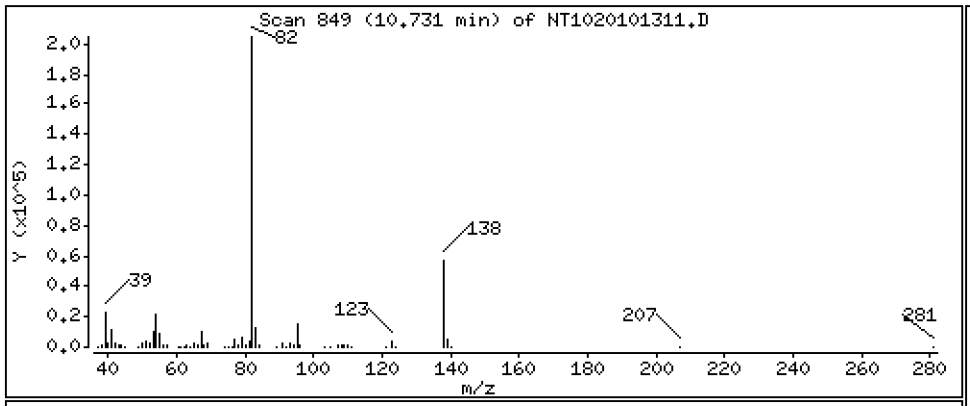
Operator: VTS

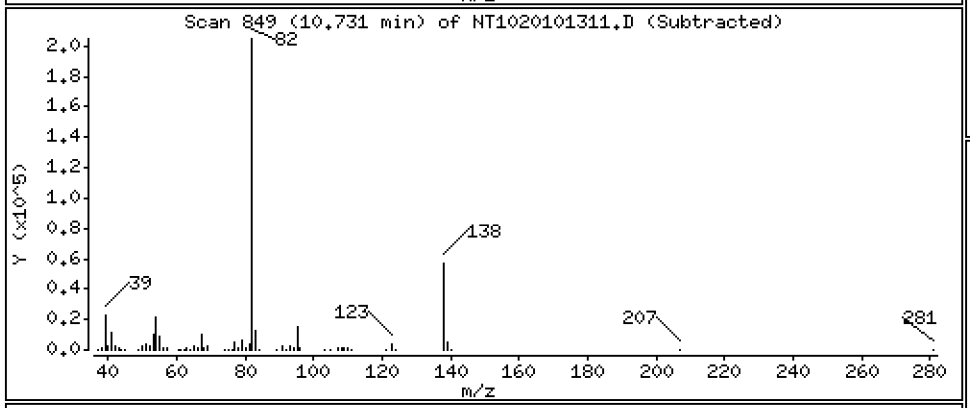
Column phase: ZB-5msi

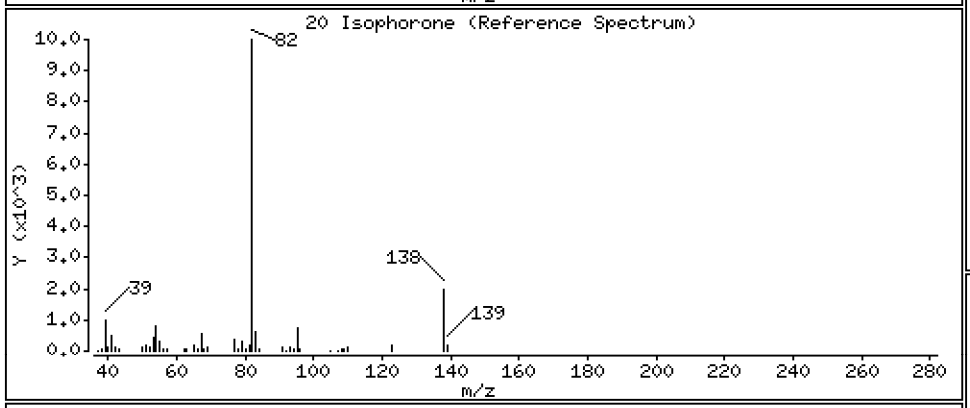
Column diameter: 0.25

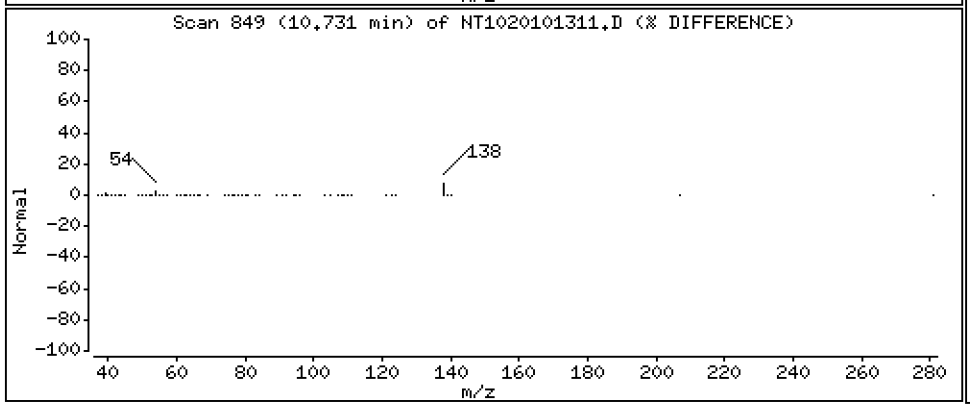
20 Isophorone

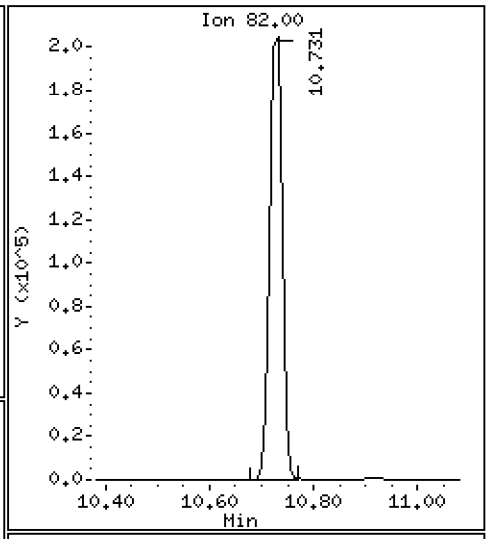
Concentration: 4.759 ug/mL

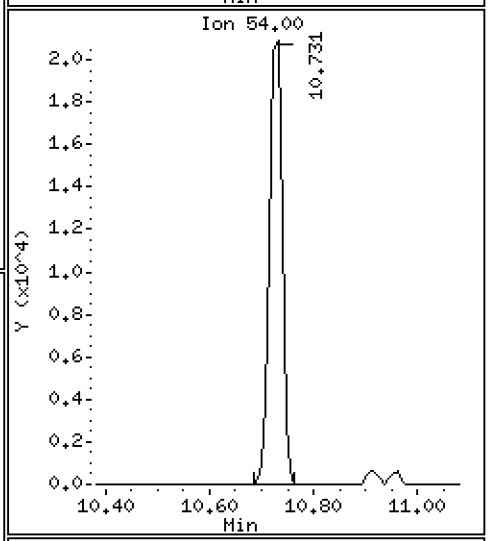


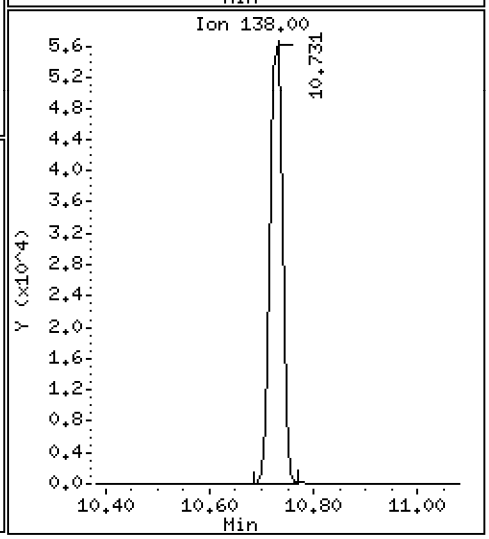












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

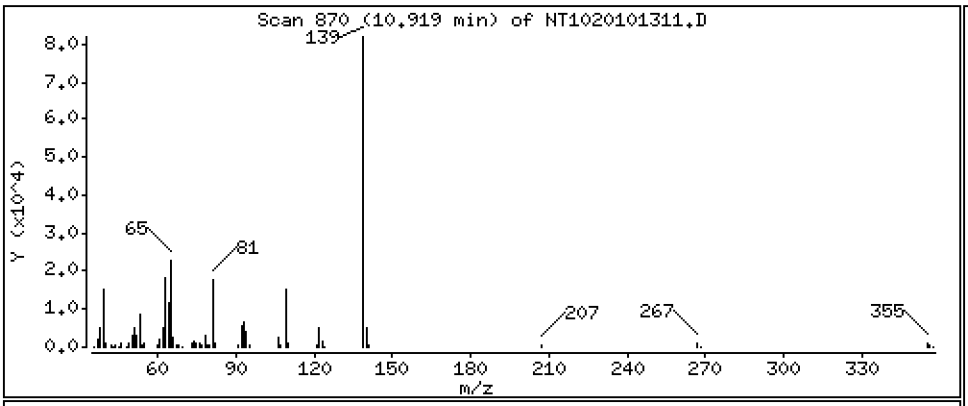
Operator: VTS

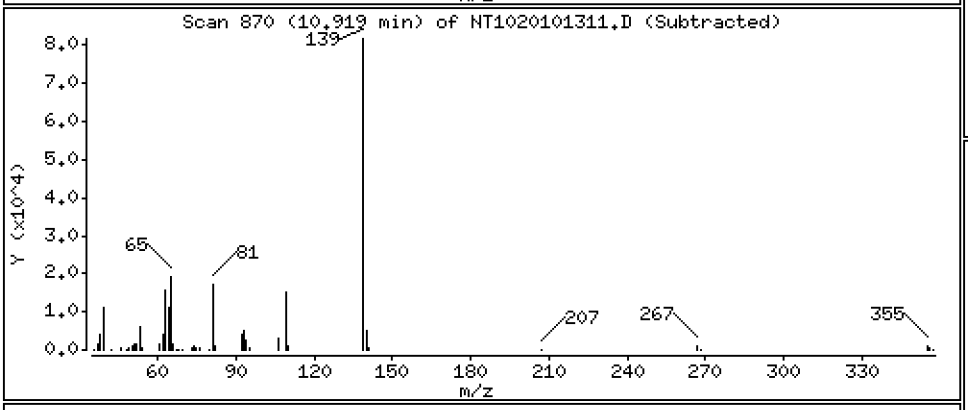
Column phase: ZB-5msi

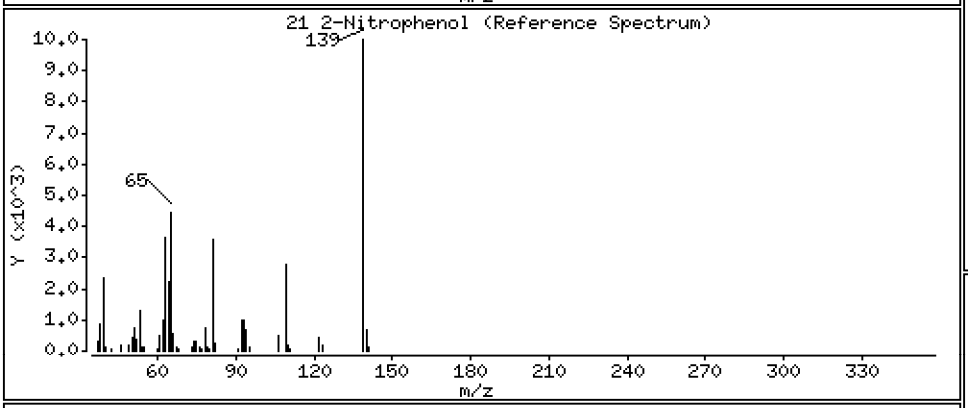
Column diameter: 0.25

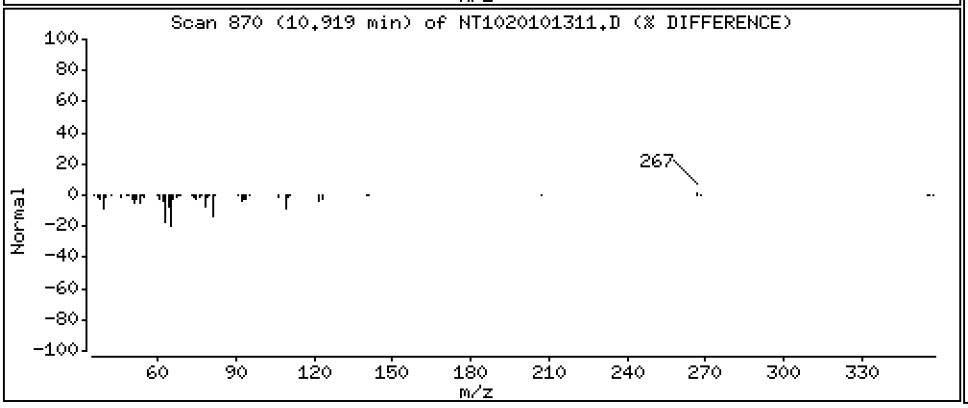
21 2-Nitrophenol

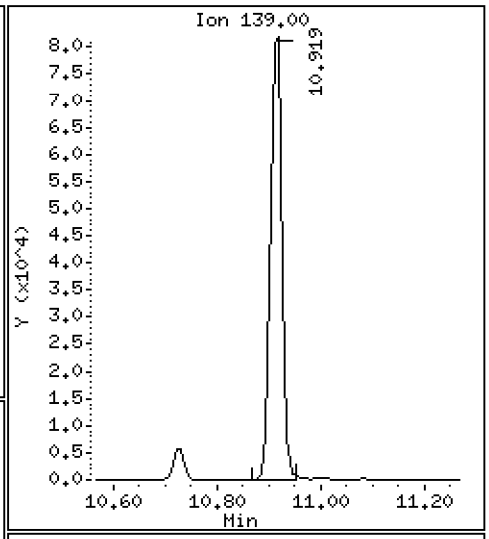
Concentration: 4.967 ug/mL

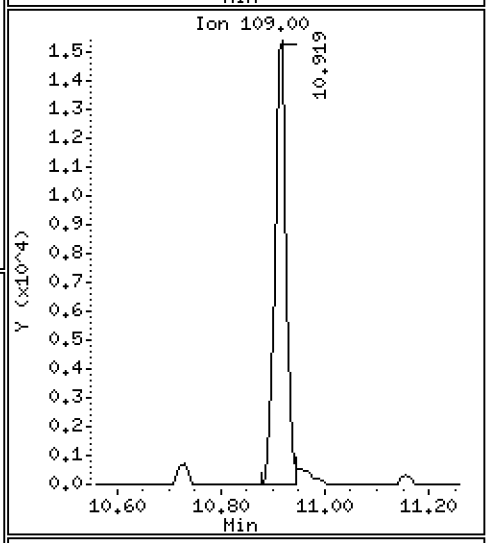


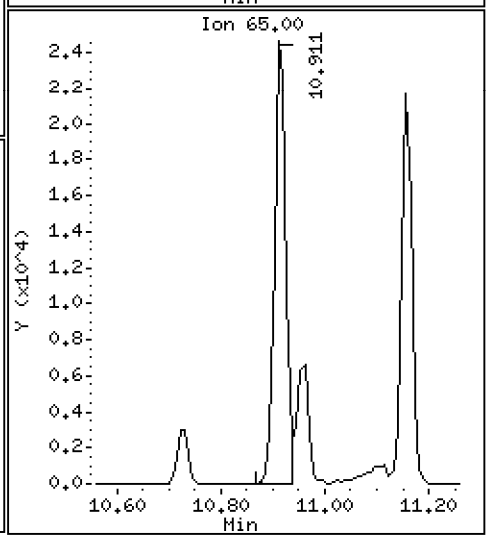












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

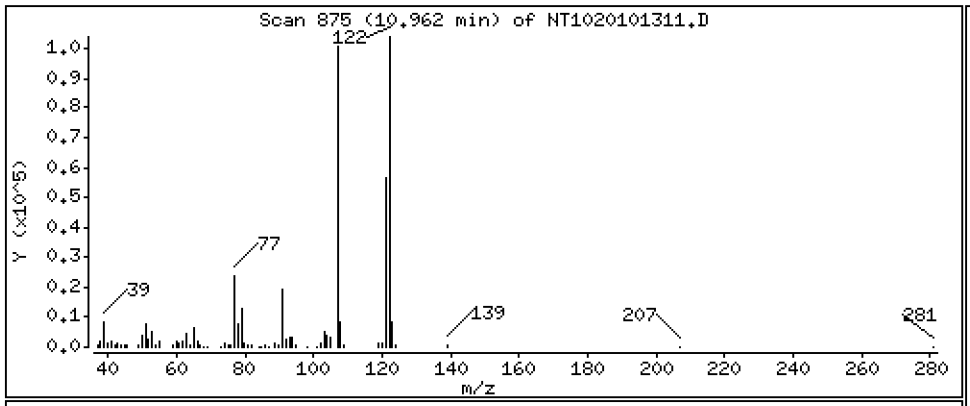
Operator: VTS

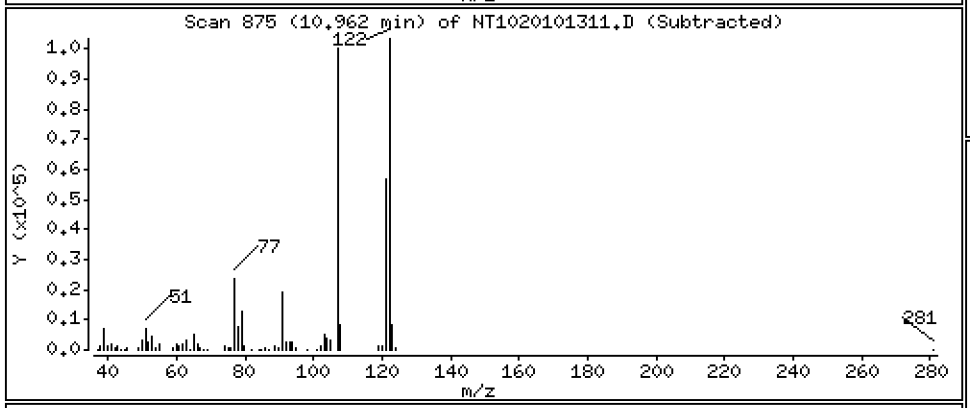
Column phase: ZB-5msi

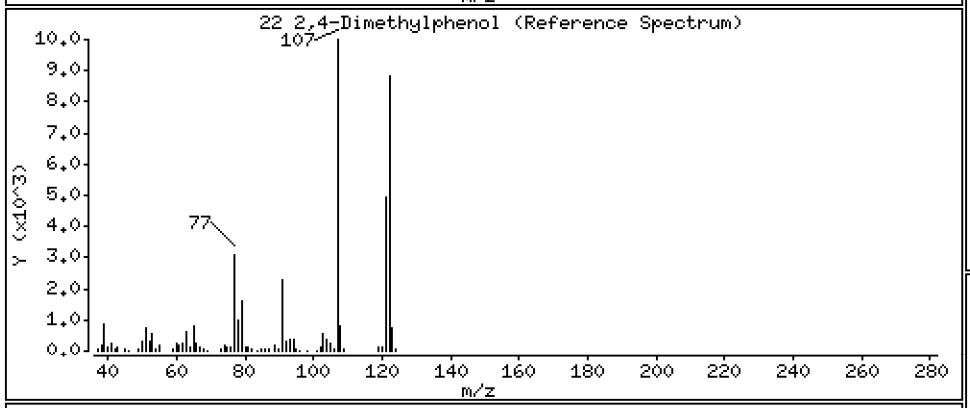
Column diameter: 0.25

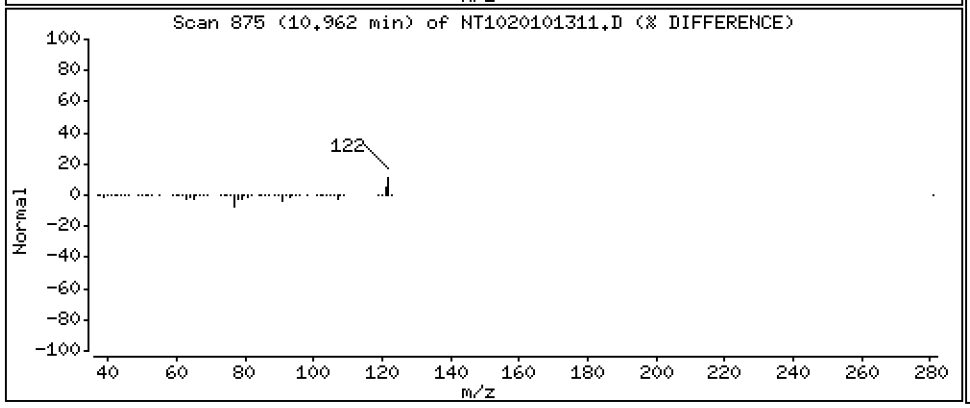
22 2,4-Dimethylphenol

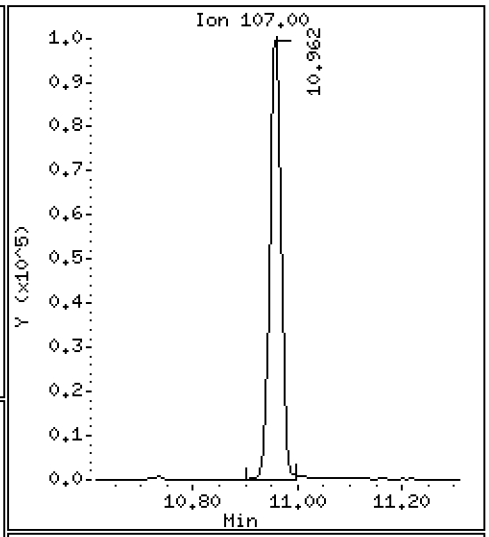
Concentration: 4.636 ug/mL

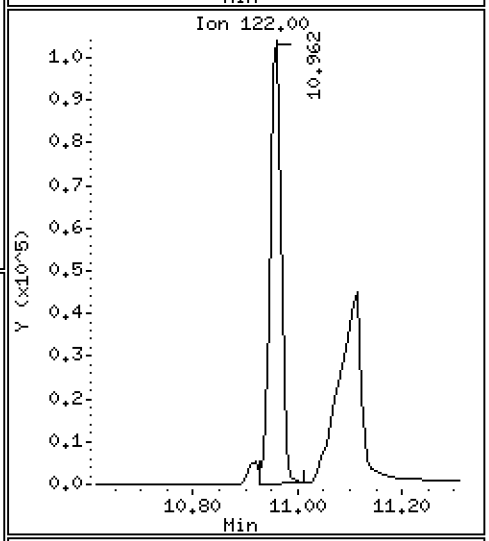


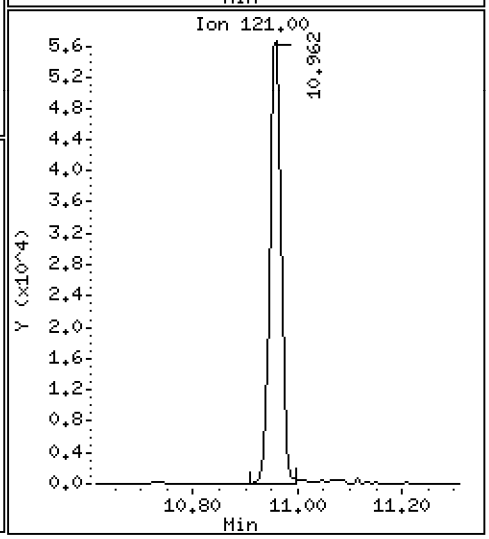












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

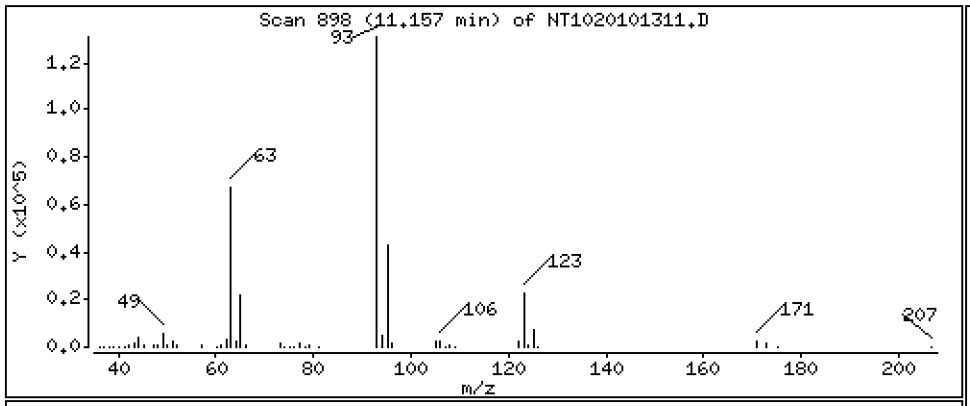
Operator: VTS

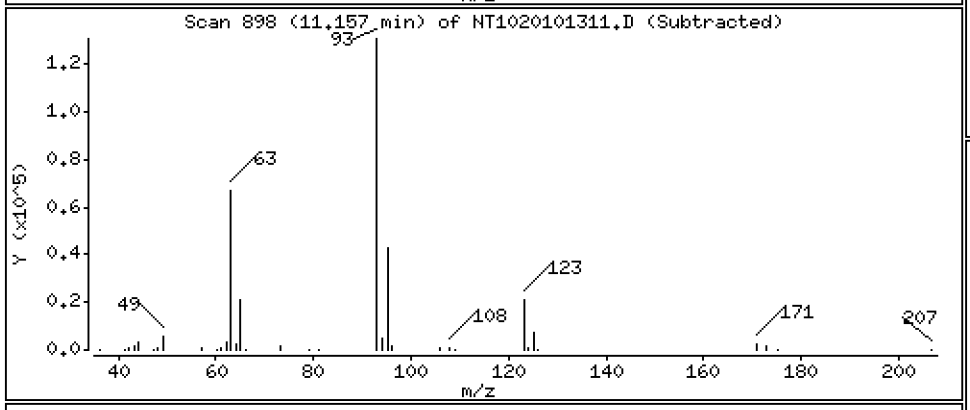
Column phase: ZB-5msi

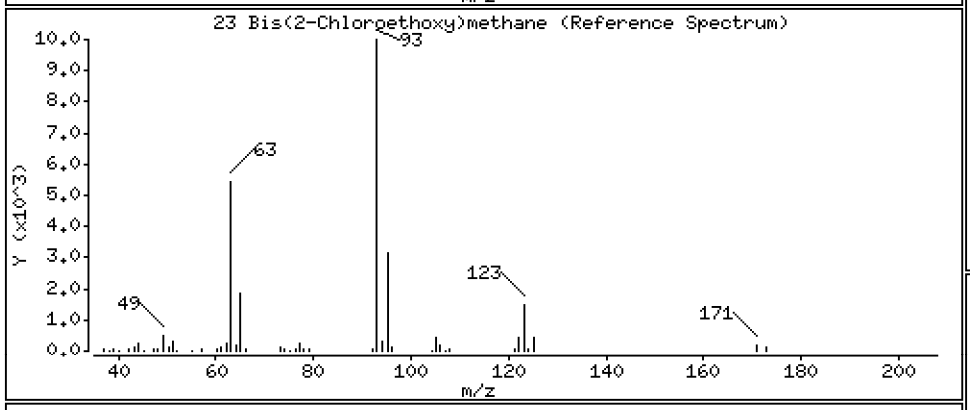
Column diameter: 0.25

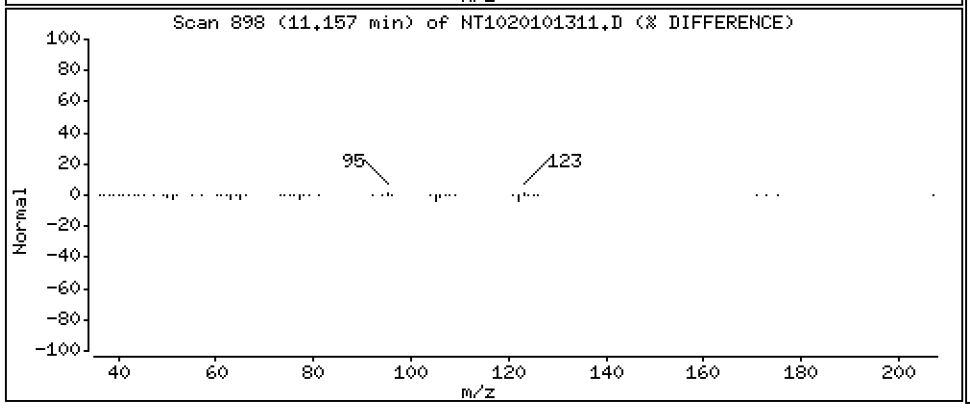
23 Bis(2-Chloroethoxy)methane

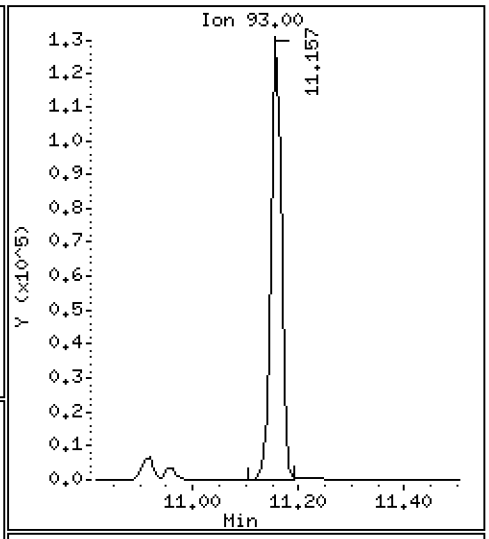
Concentration: 4.757 ug/mL

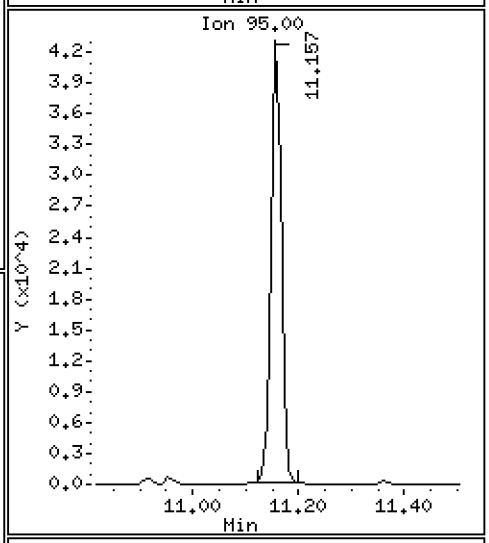


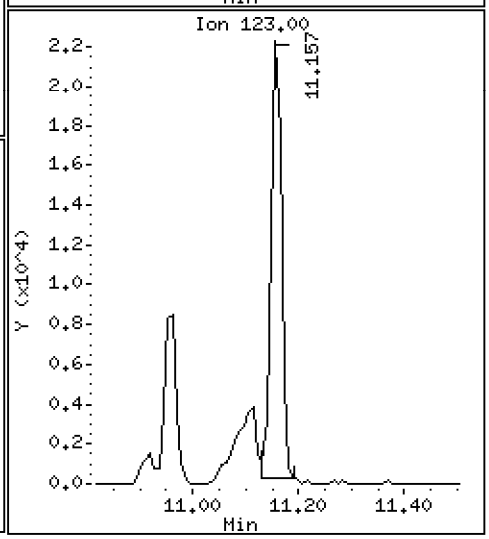












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

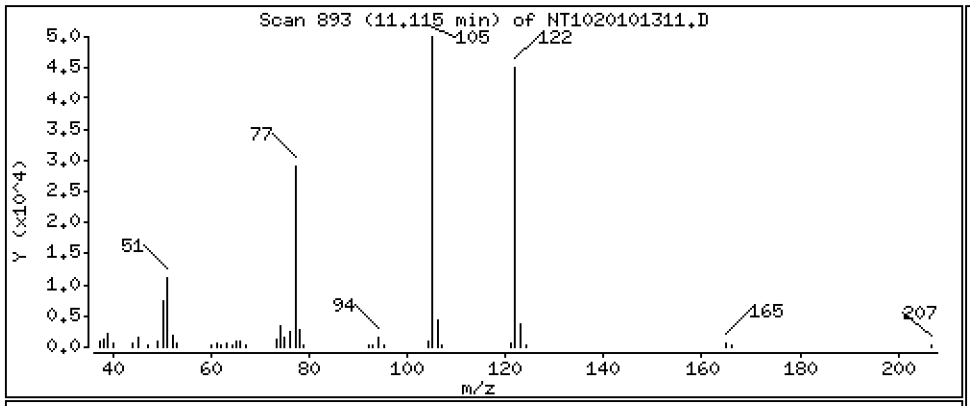
Operator: VTS

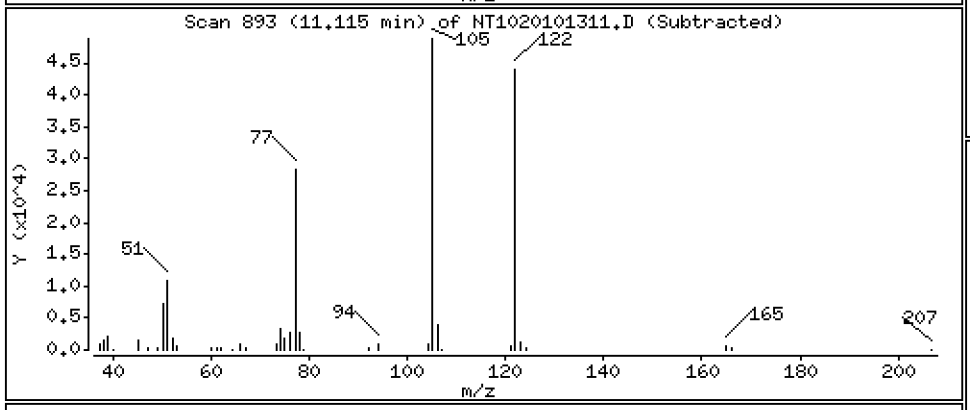
Column phase: ZB-5msi

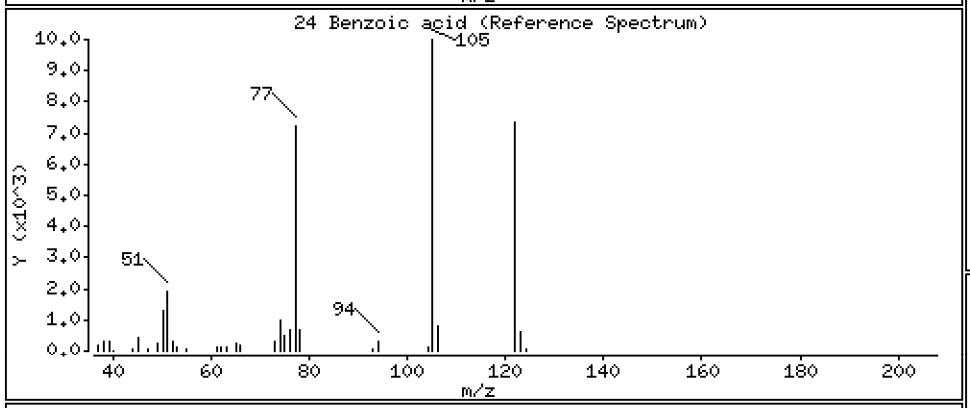
Column diameter: 0.25

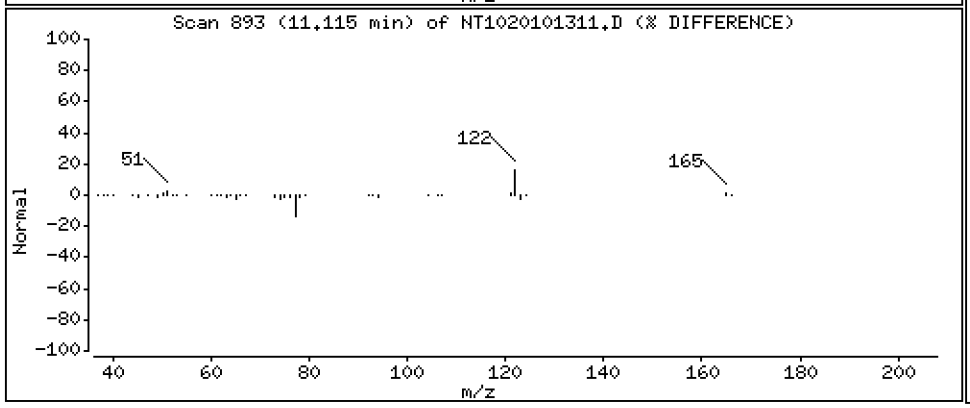
24 Benzoic acid

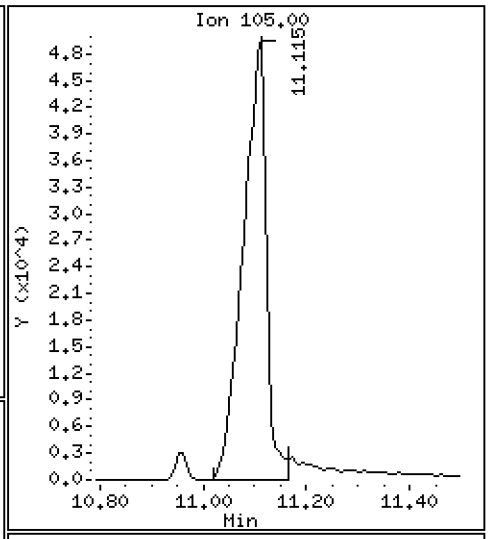
Concentration: 7.183 ug/mL

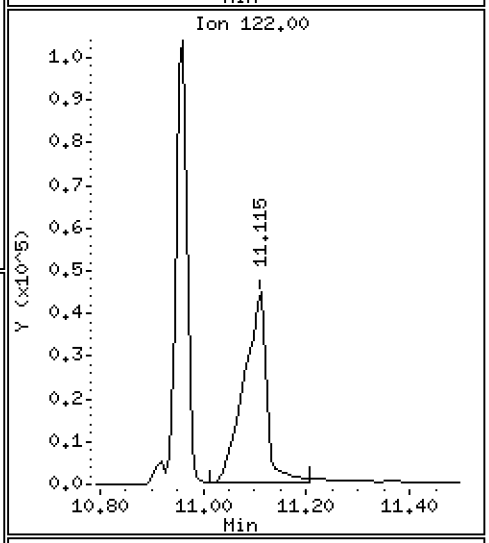


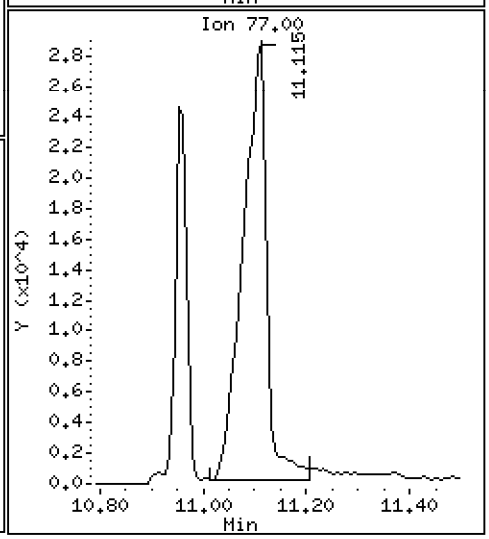












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

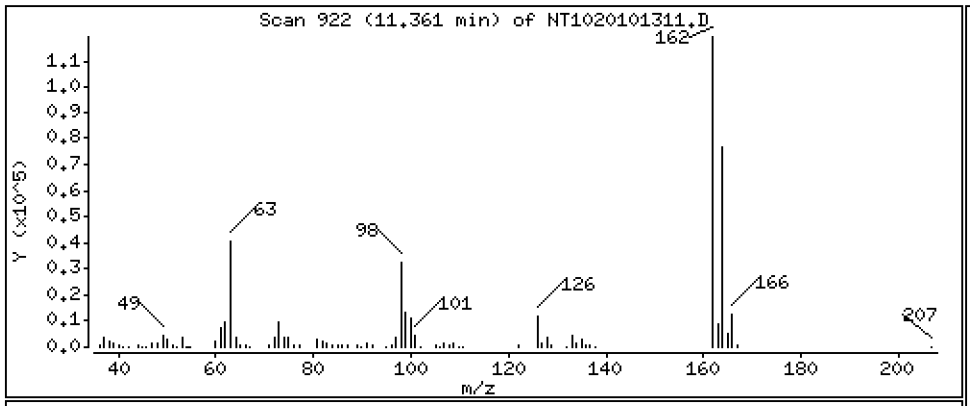
Operator: VTS

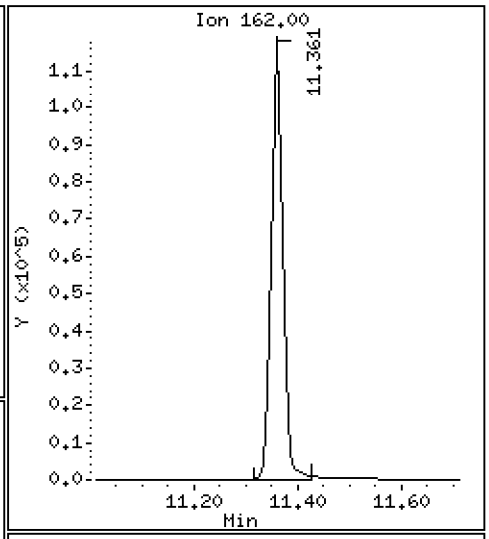
Column phase: ZB-5msi

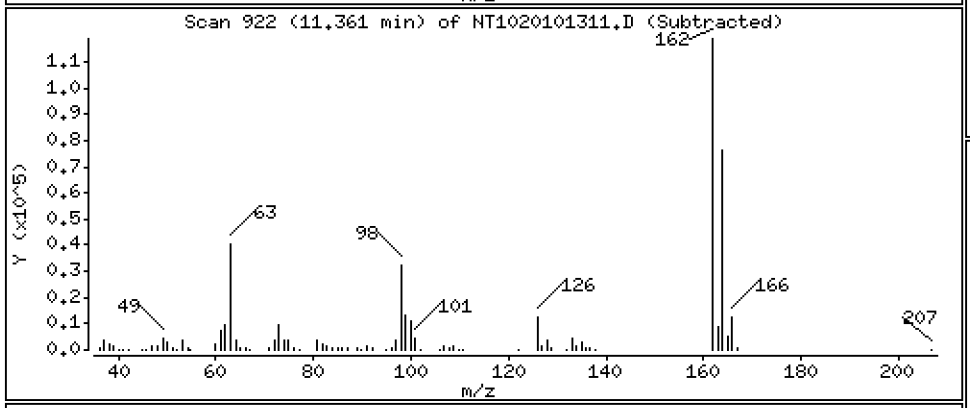
Column diameter: 0.25

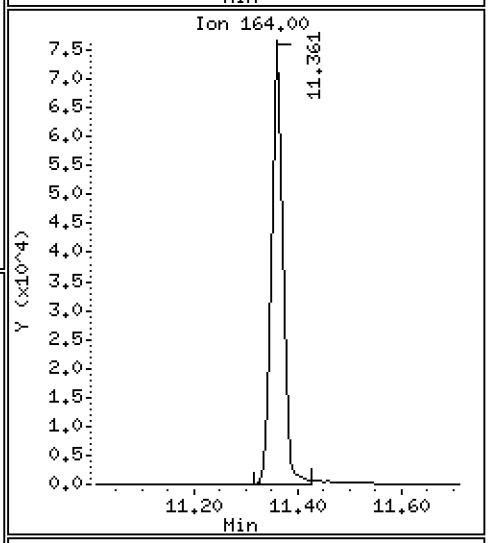
25 2,4-Dichlorophenol

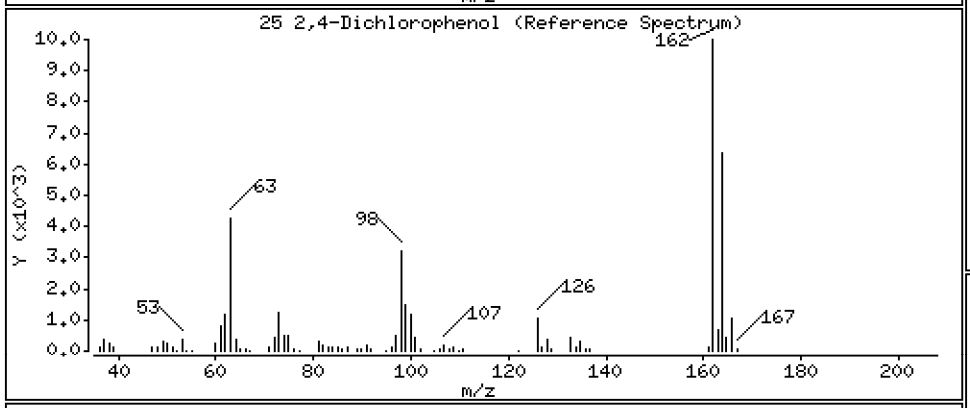
Concentration: 5.393 ug/mL

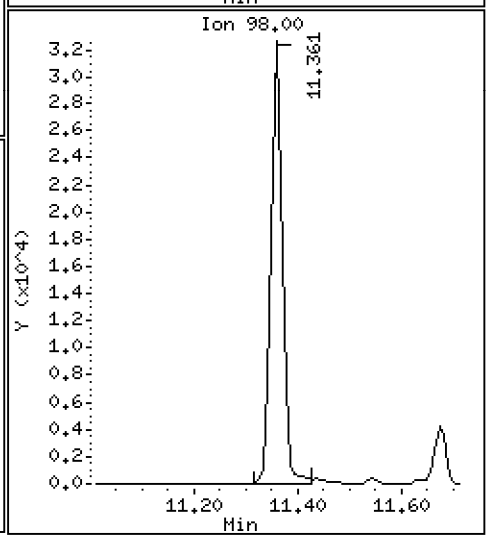


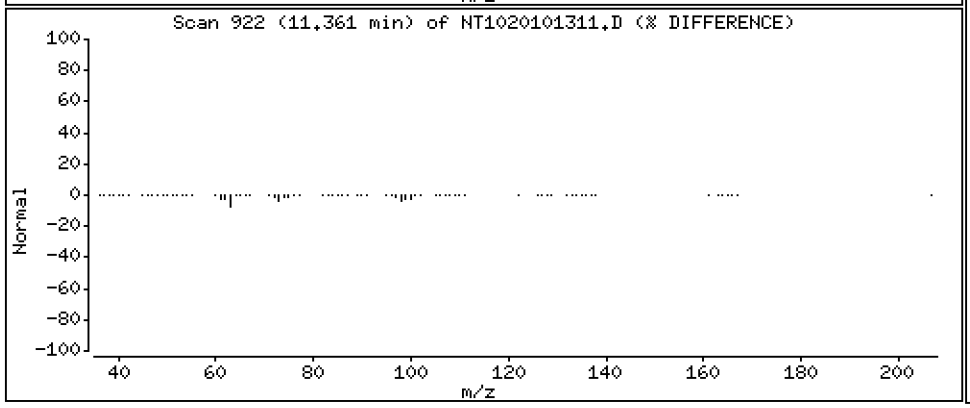












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

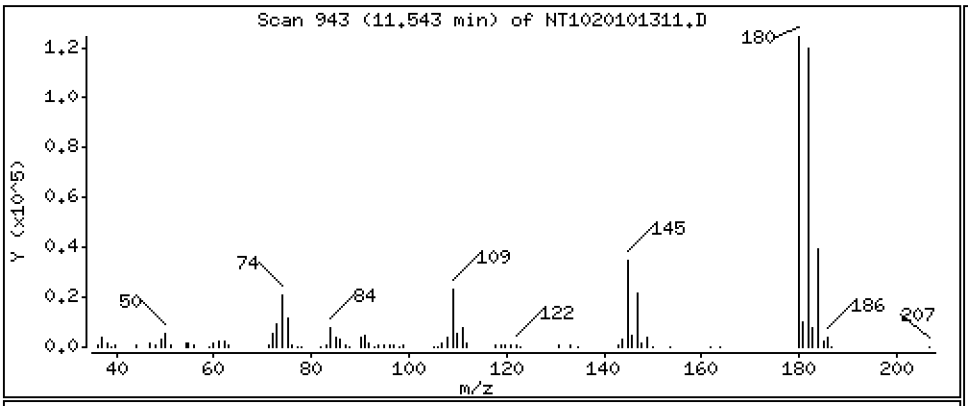
Operator: VTS

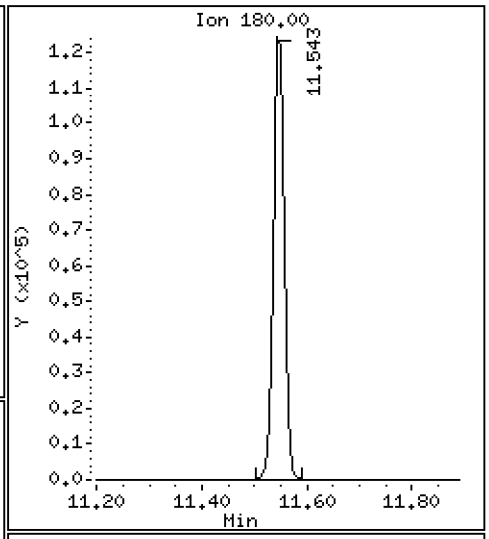
Column phase: ZB-5msi

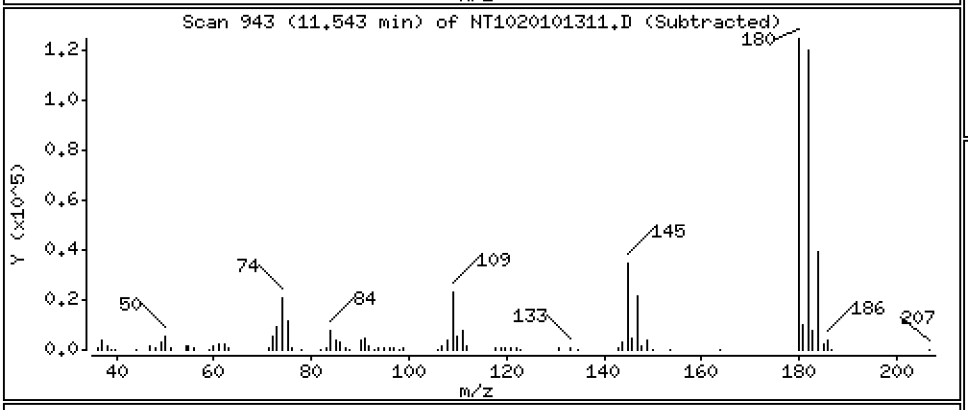
Column diameter: 0.25

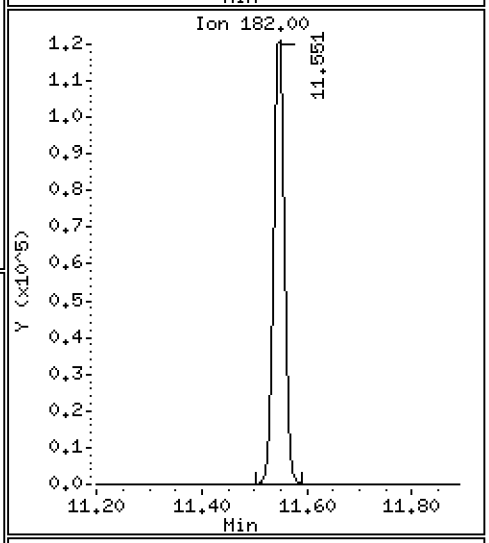
26 1,2,4-Trichlorobenzene

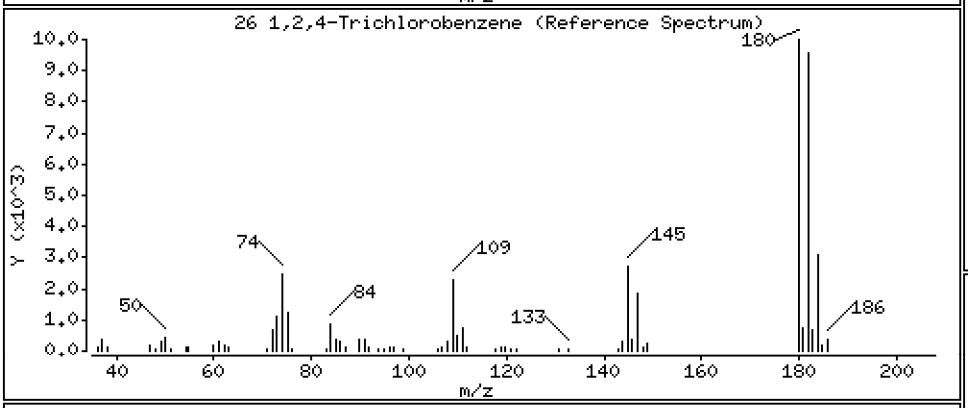
Concentration: 4.482 ug/mL

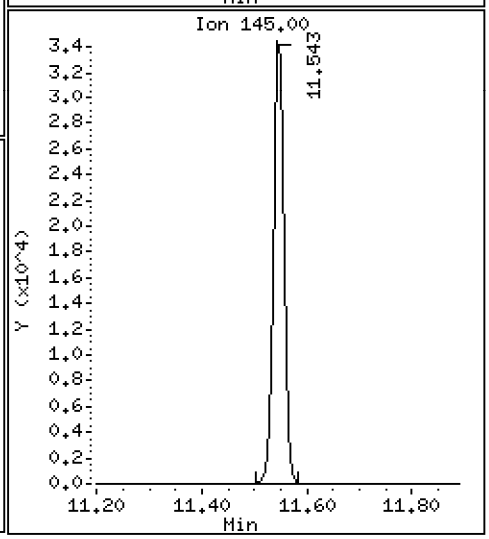


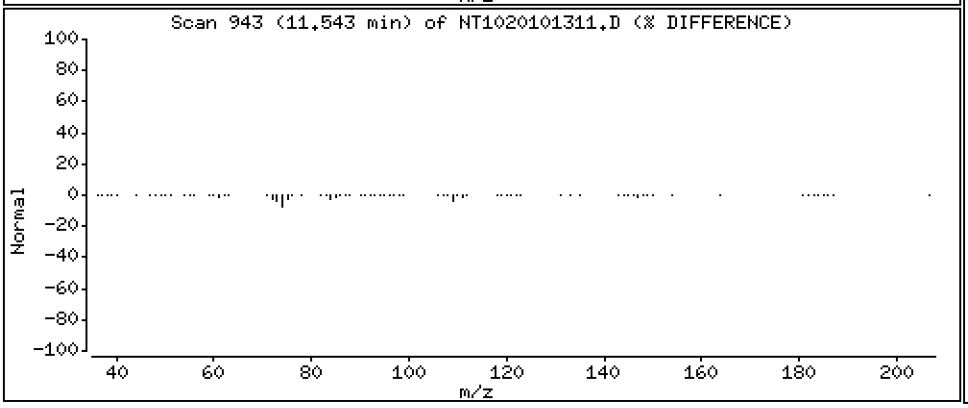












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

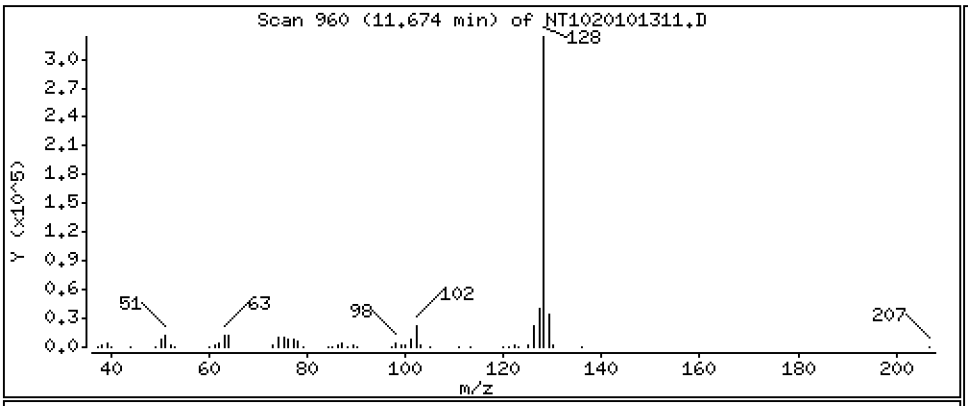
Operator: VTS

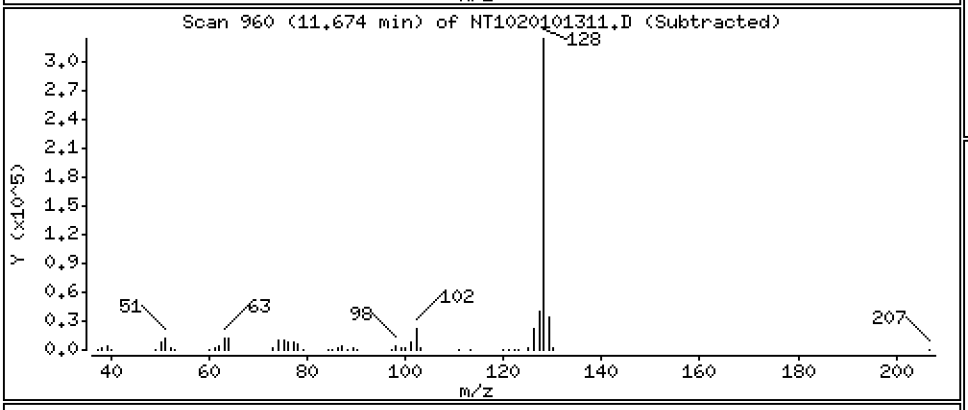
Column phase: ZB-5msi

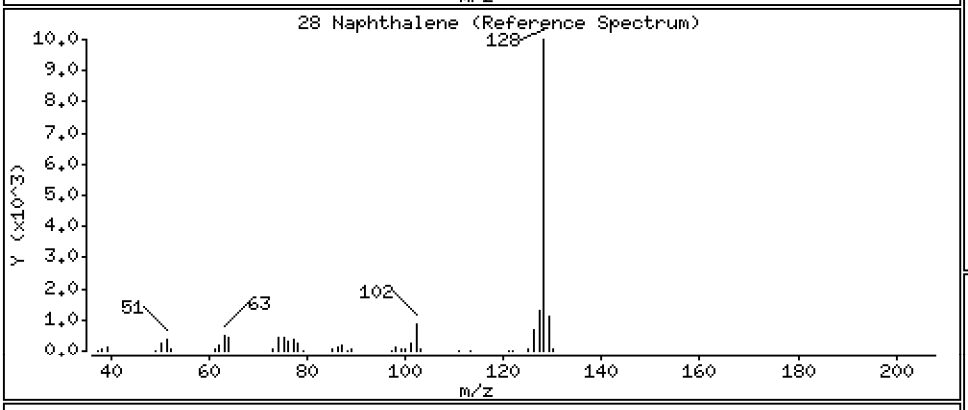
Column diameter: 0.25

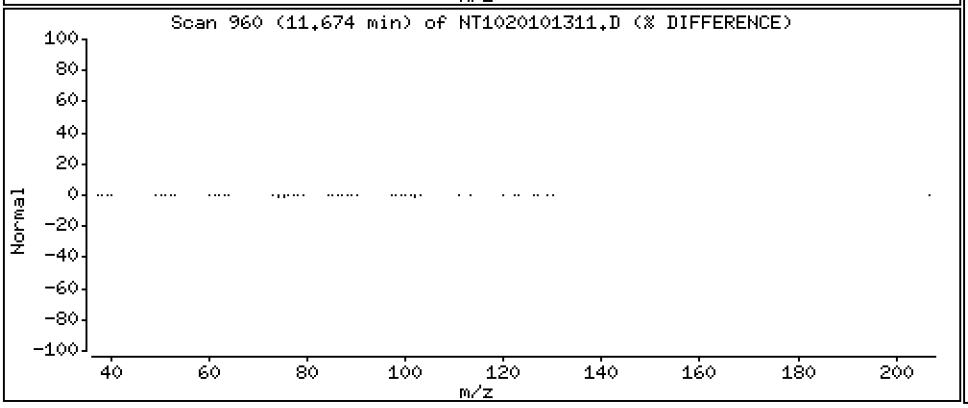
28 Naphthalene

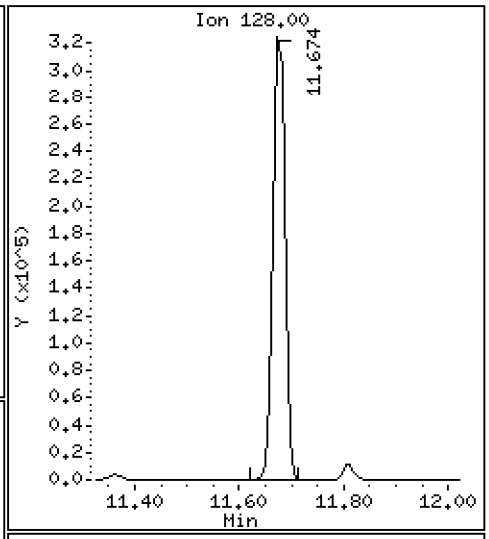
Concentration: 4.728 ug/mL

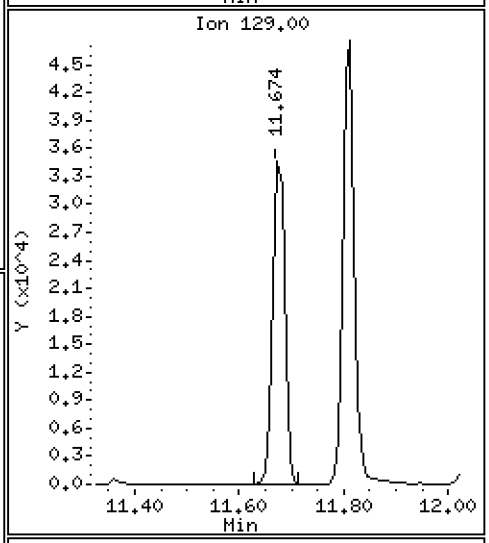


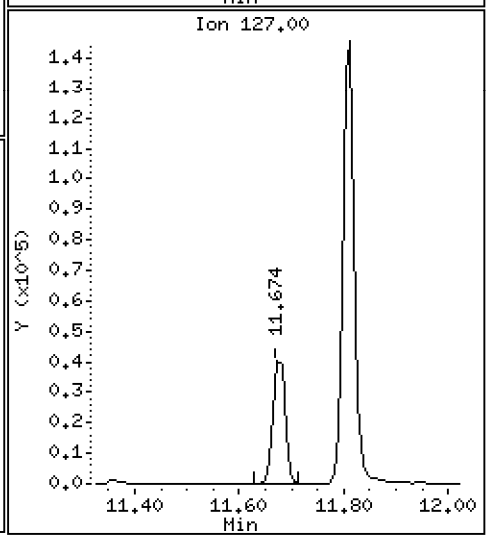












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

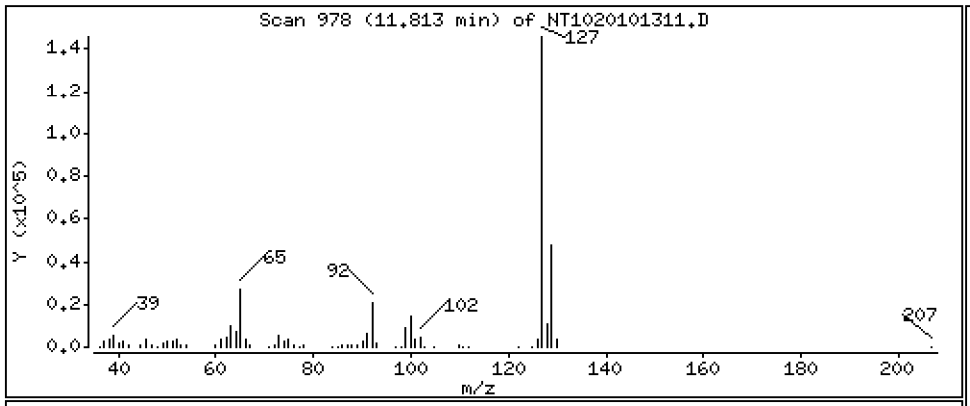
Operator: VTS

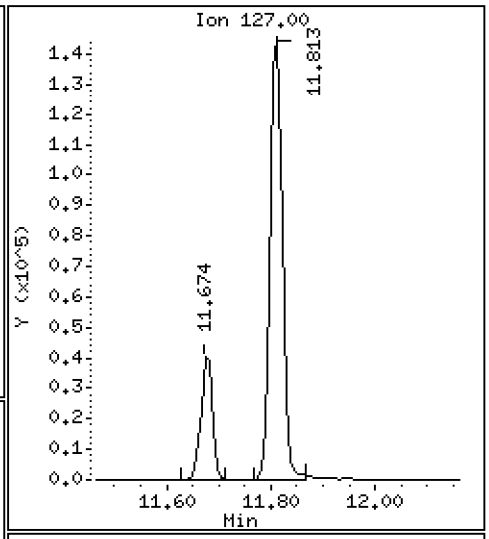
Column phase: ZB-5msi

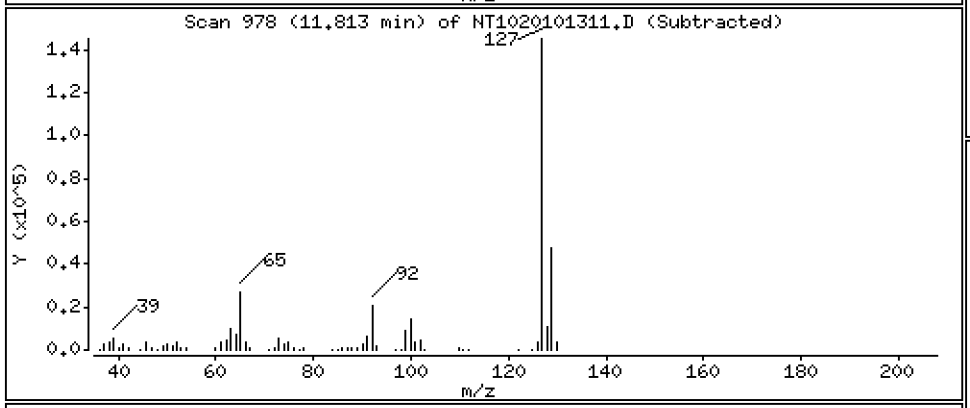
Column diameter: 0.25

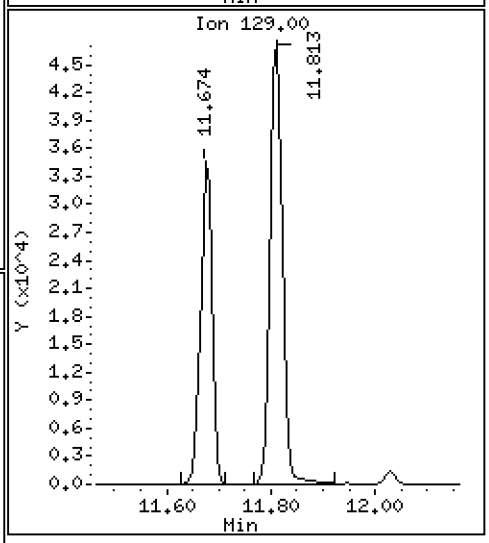
29 4-Chloroaniline

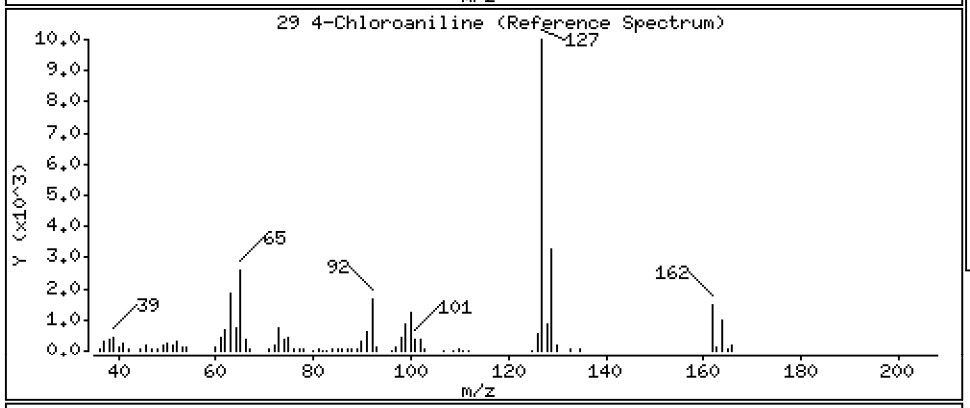
Concentration: 4.945 ug/mL

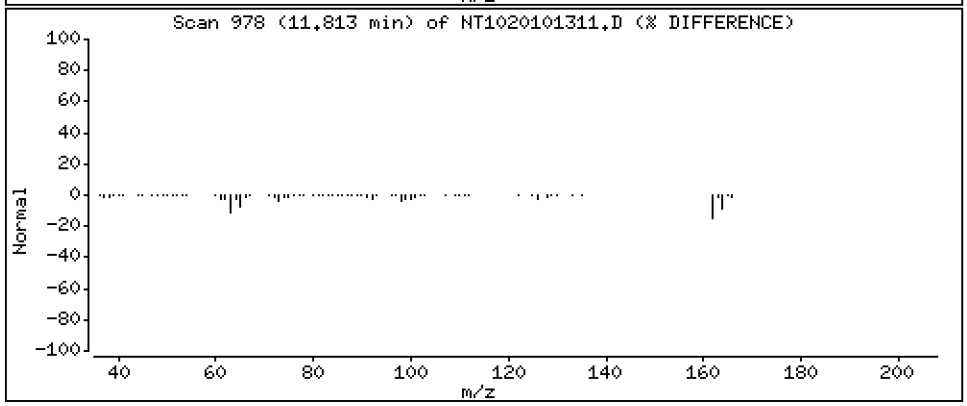












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

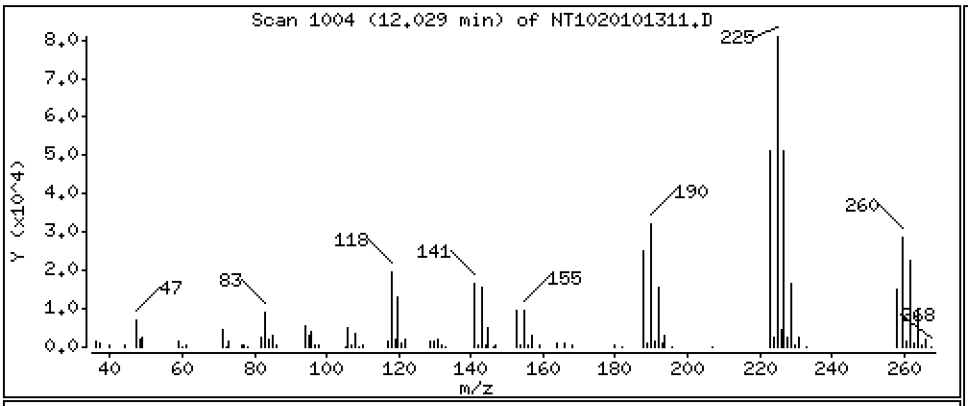
Operator: VTS

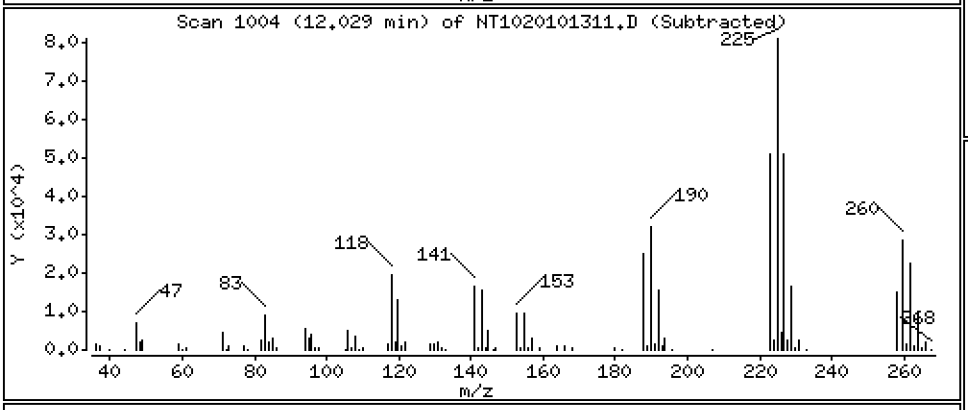
Column phase: ZB-5msi

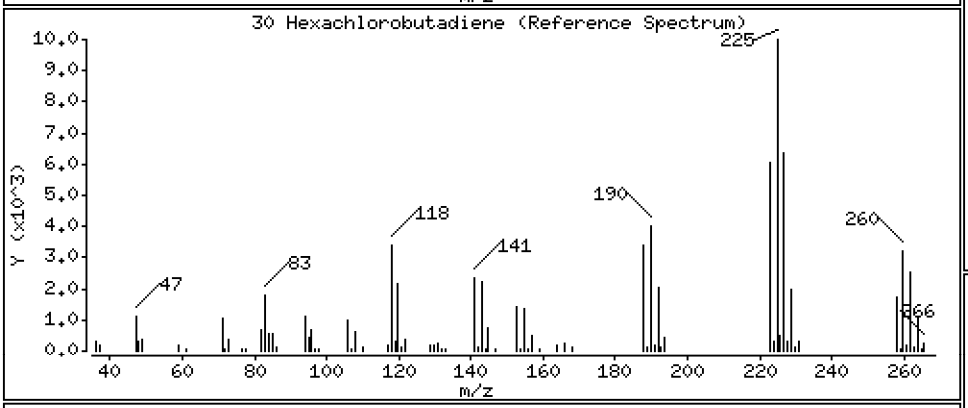
Column diameter: 0.25

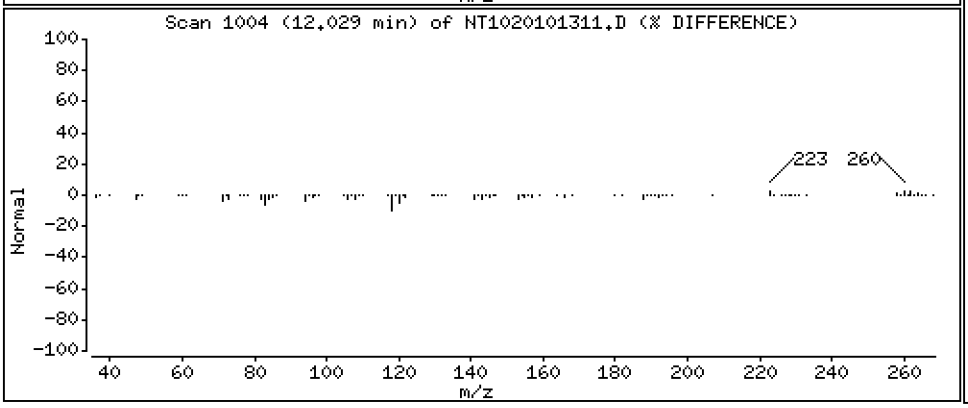
30 Hexachlorobutadiene

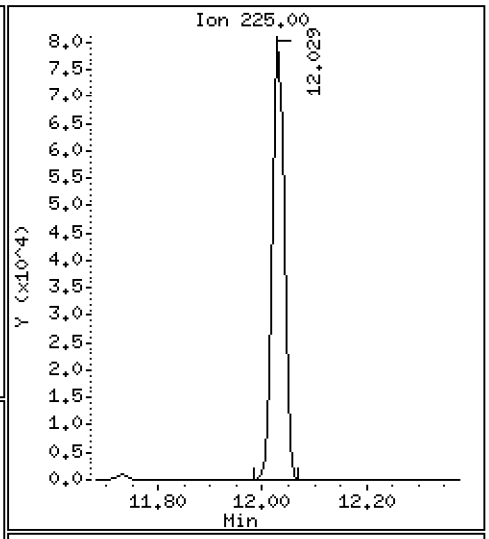
Concentration: 4.734 ug/mL

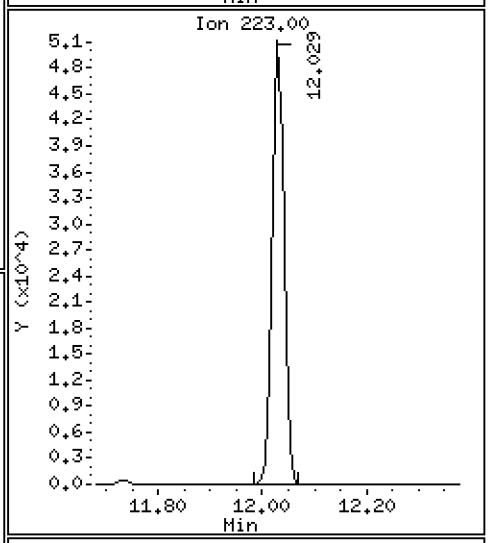


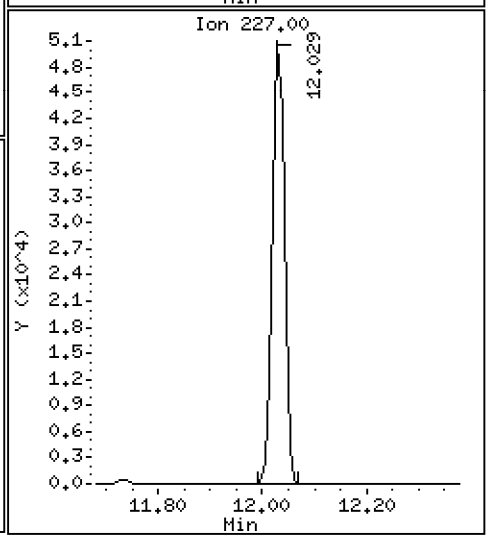












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

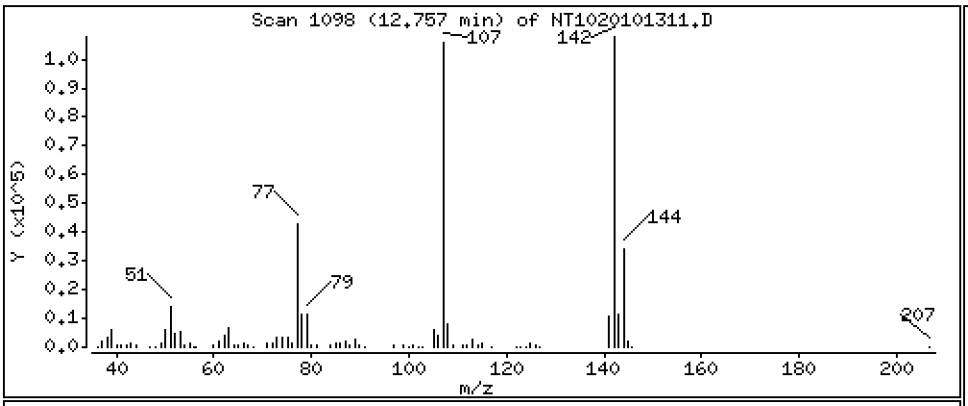
Operator: VTS

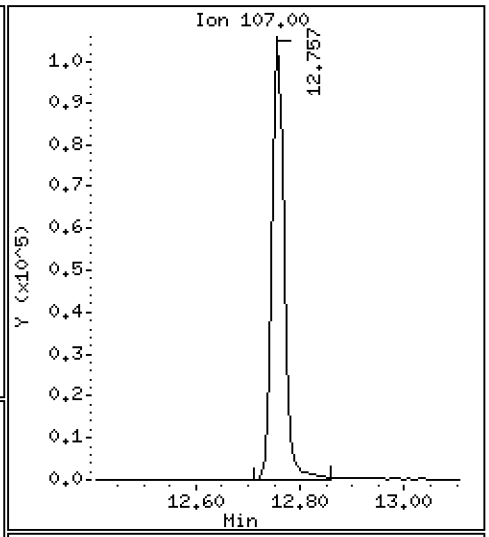
Column phase: ZB-5msi

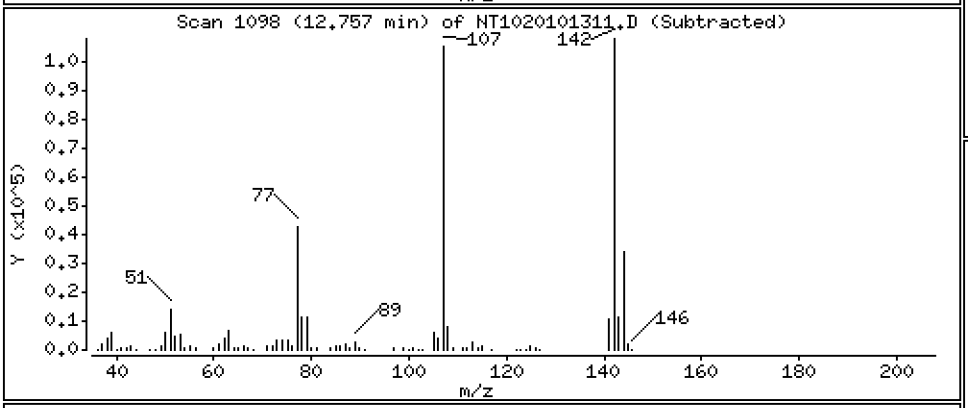
Column diameter: 0.25

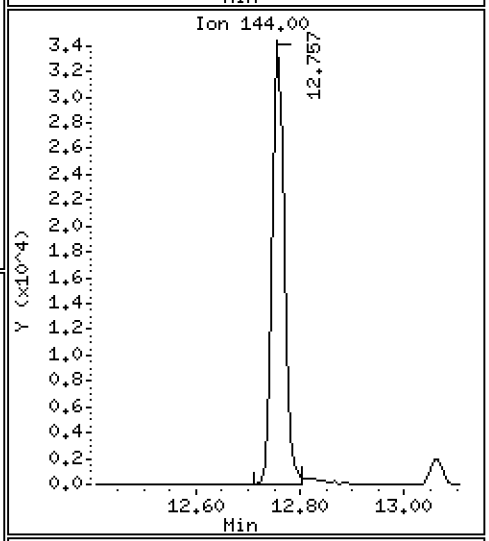
31 4-Chloro-3-methylphenol

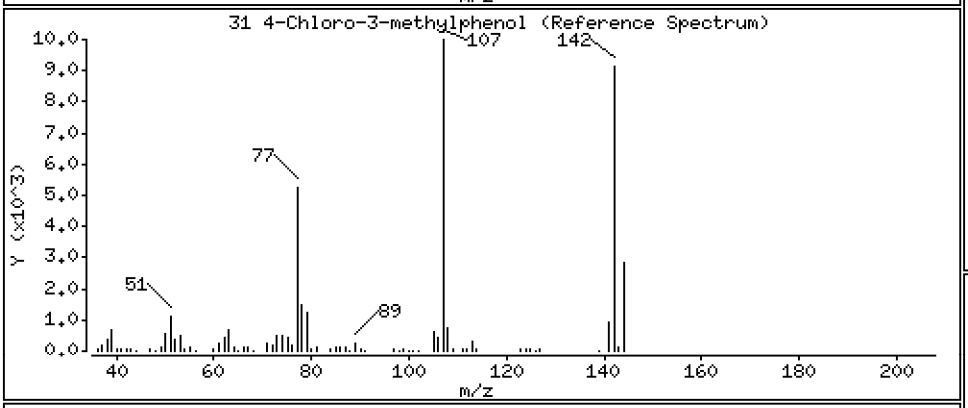
Concentration: 5.032 ug/mL

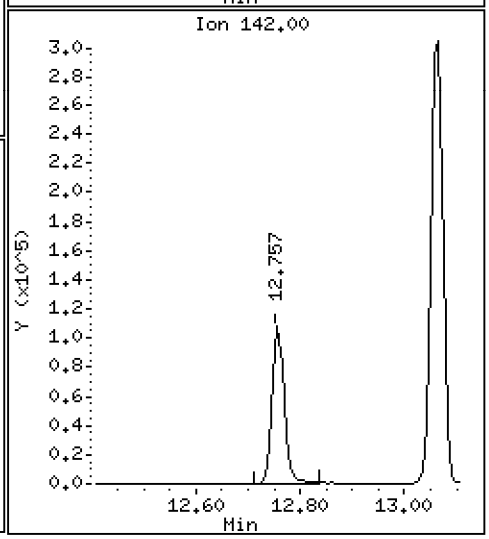


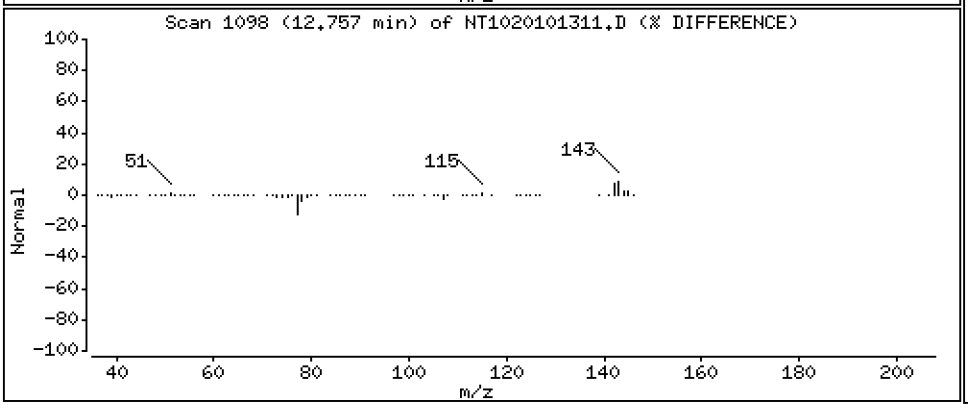












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

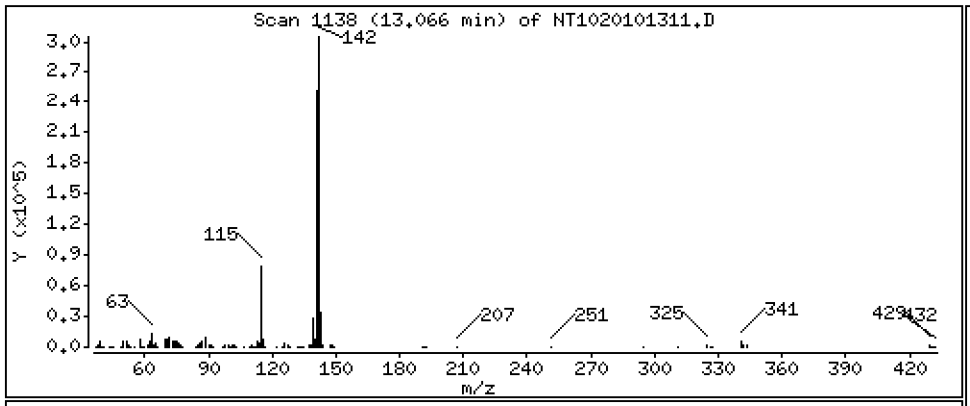
Operator: VTS

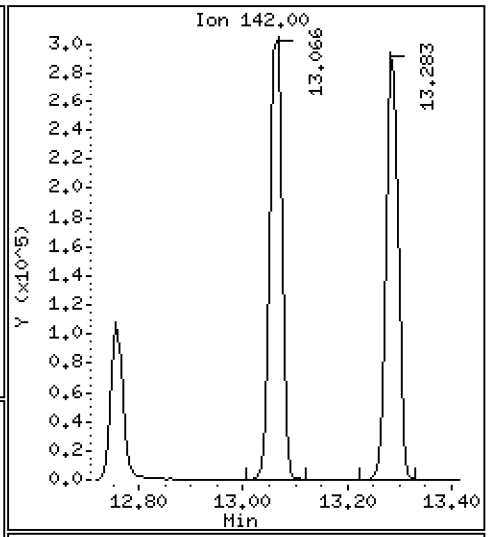
Column phase: ZB-5msi

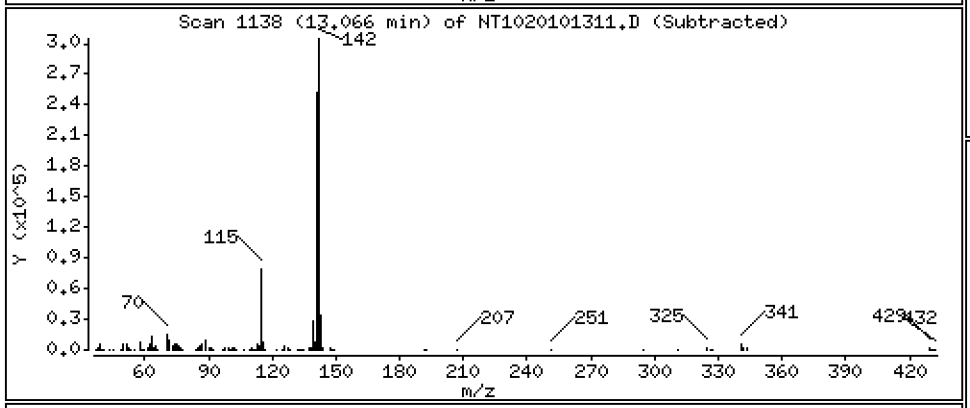
Column diameter: 0.25

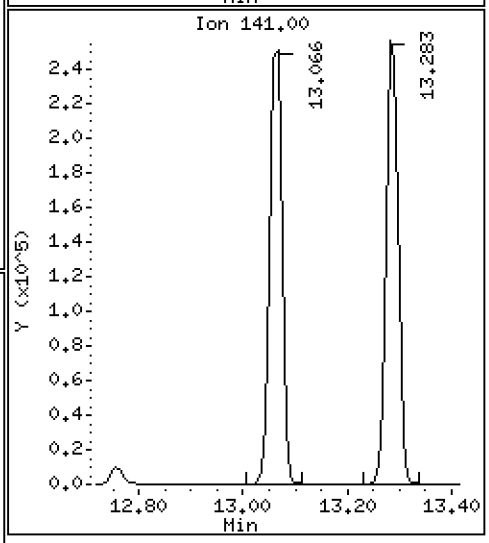
32 2-Methylnaphthalene

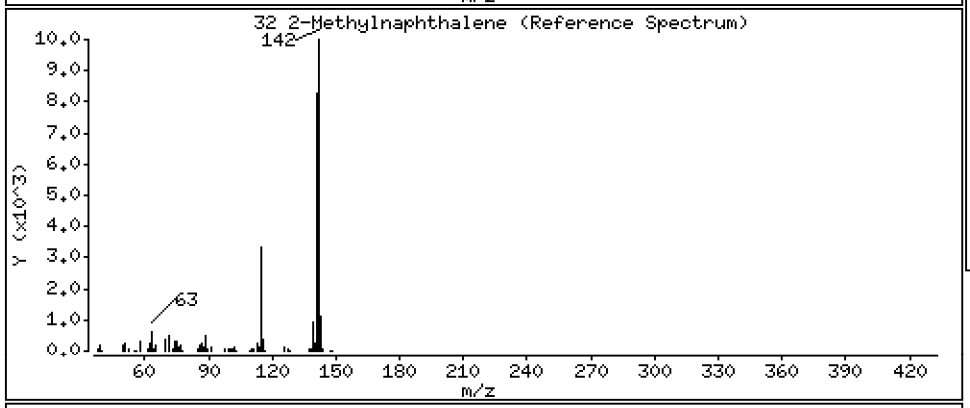
Concentration: 4.909 ug/mL

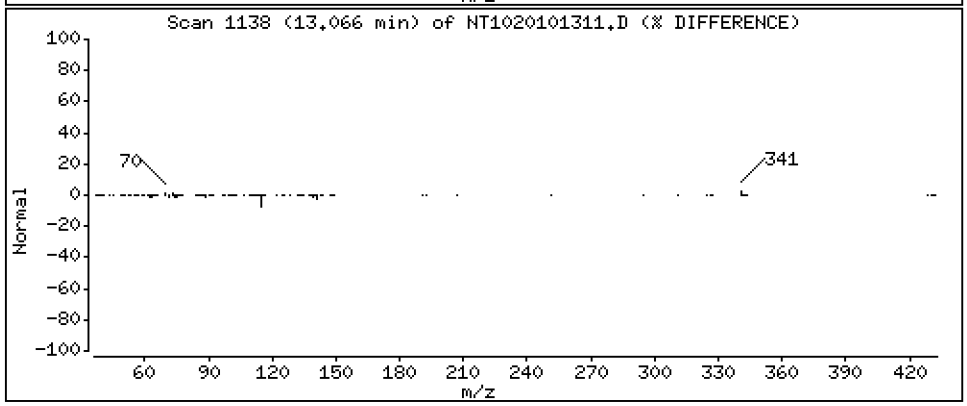












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

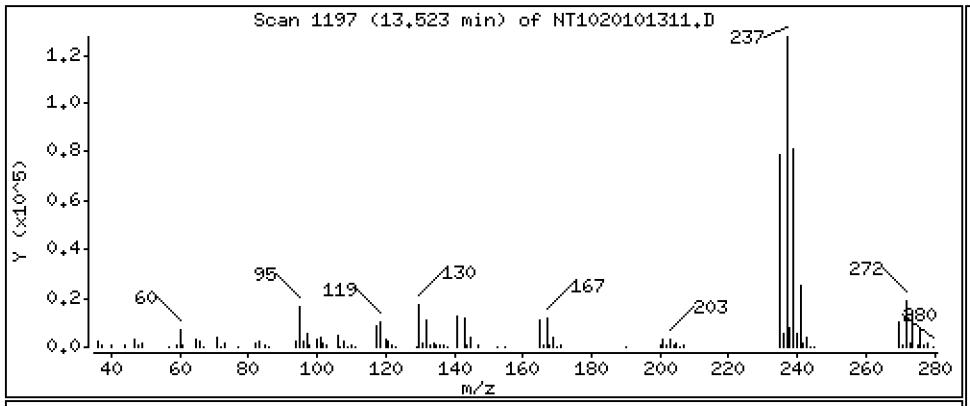
Operator: VTS

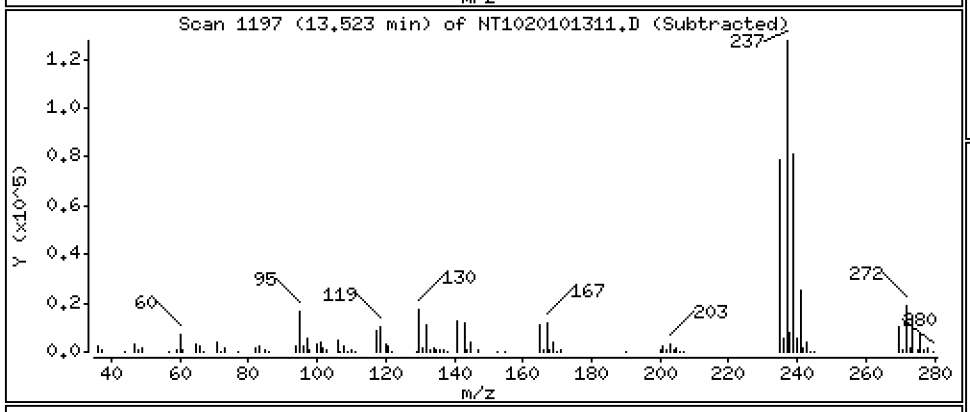
Column phase: ZB-5msi

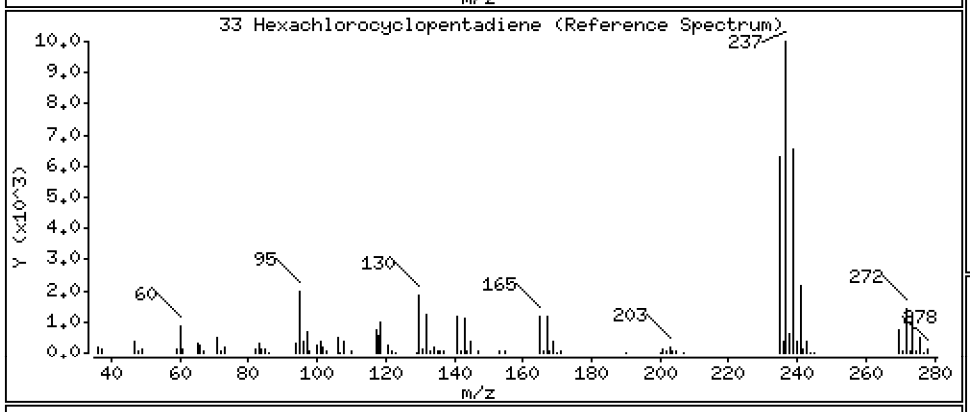
Column diameter: 0.25

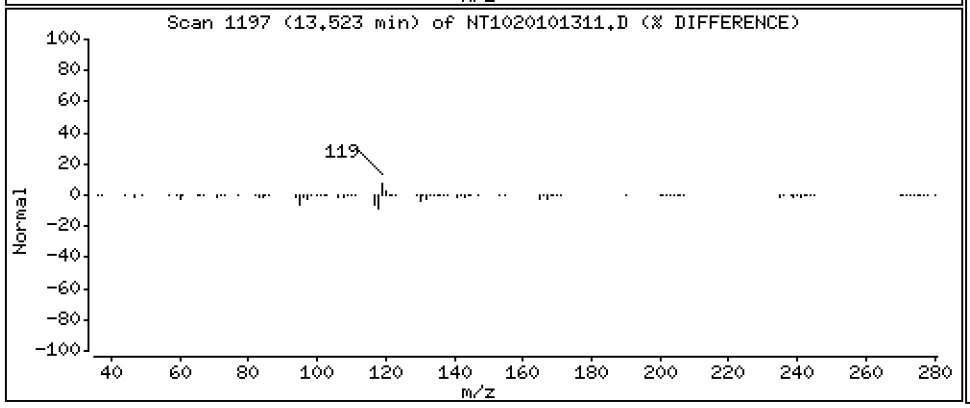
33 Hexachlorocyclopentadiene

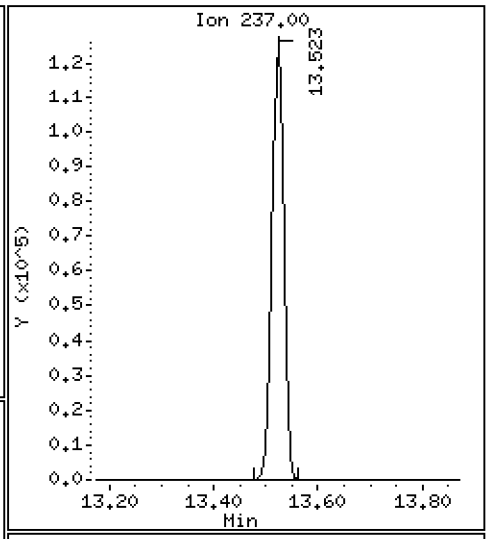
Concentration: 5.611 ug/mL

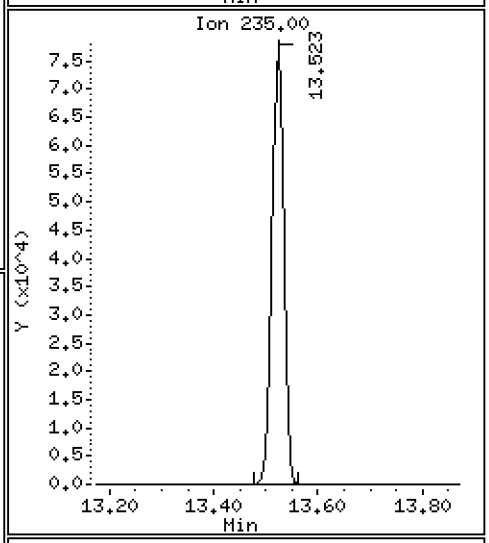


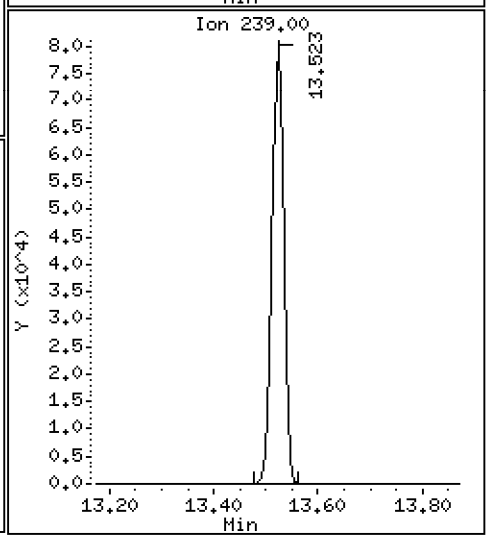












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

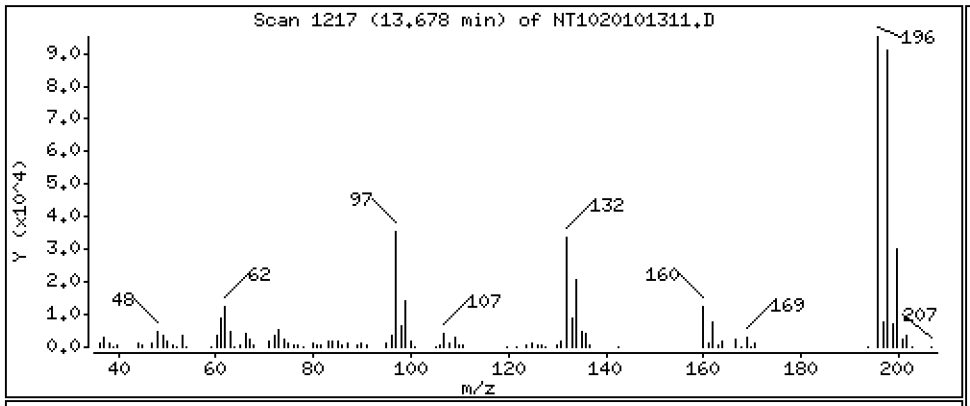
Operator: VTS

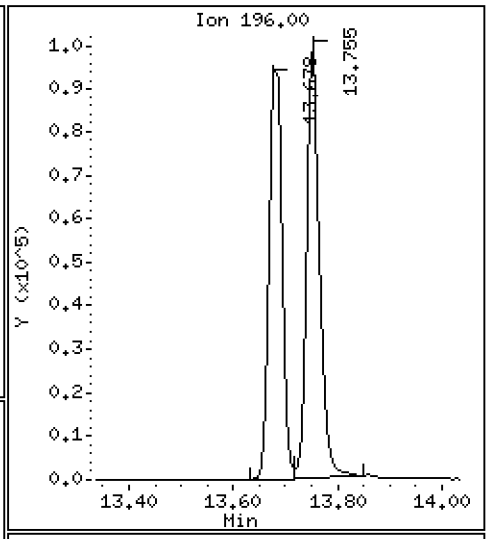
Column phase: ZB-5msi

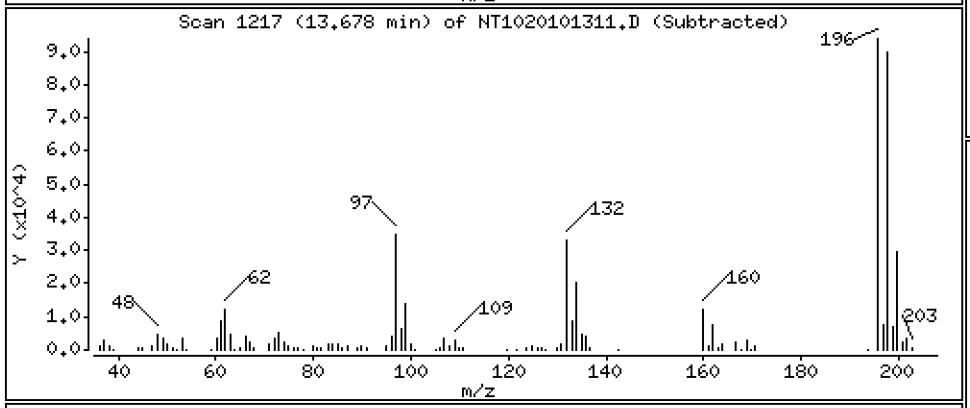
Column diameter: 0.25

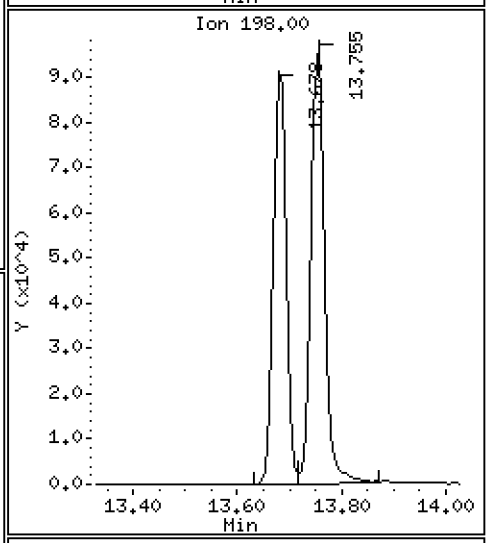
34 2,4,6-Trichlorophenol

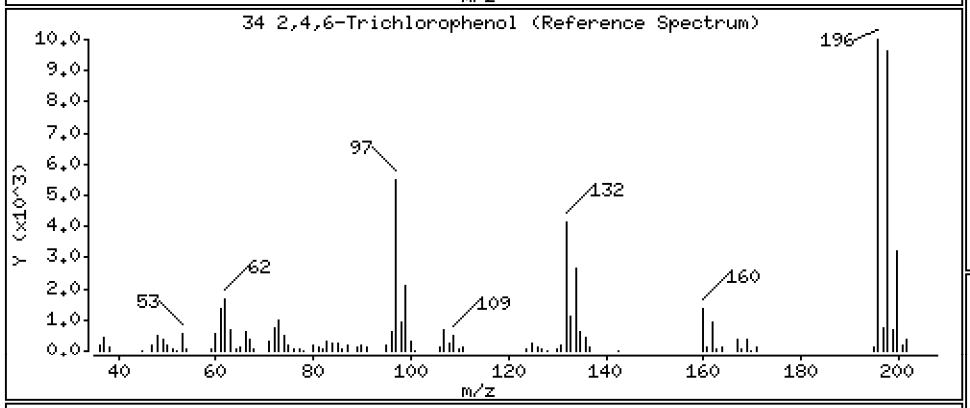
Concentration: 5.176 ug/mL

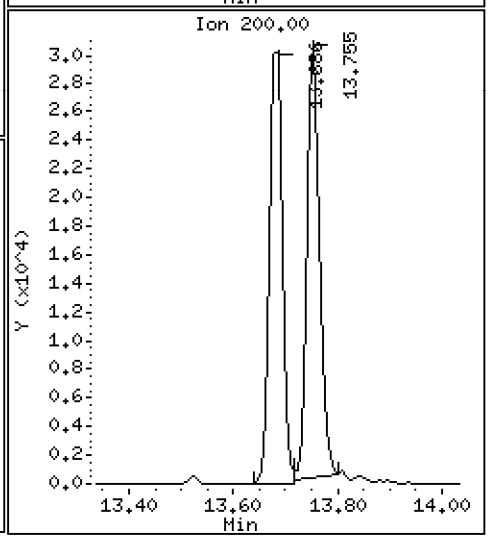


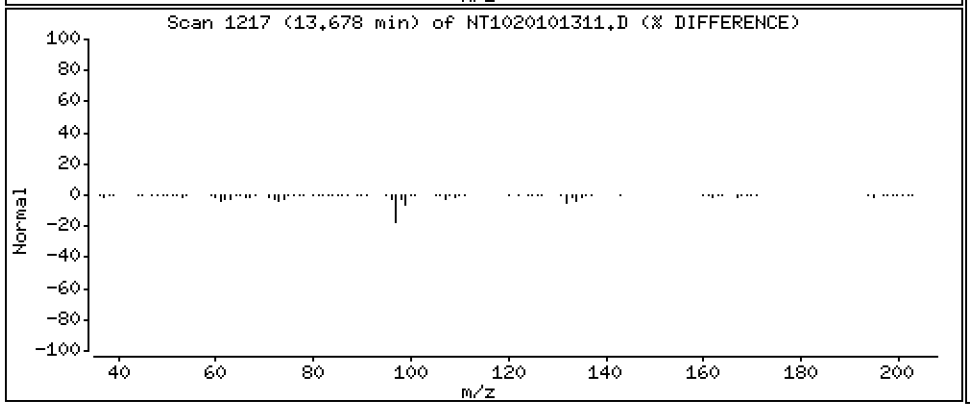












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

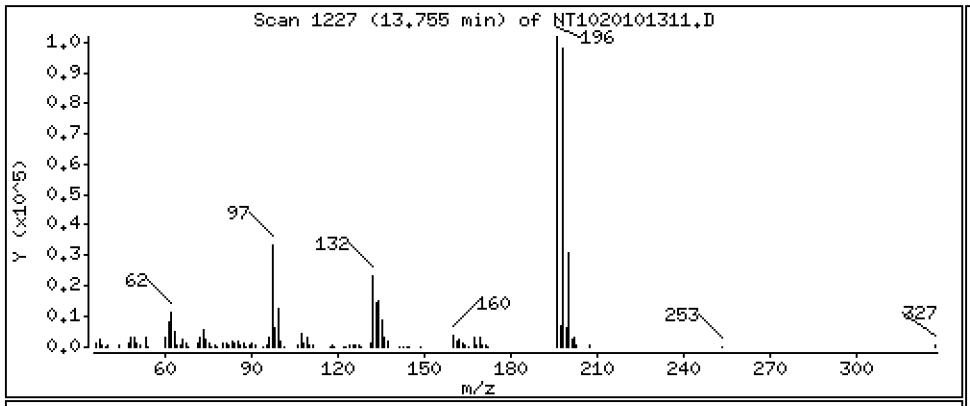
Operator: VTS

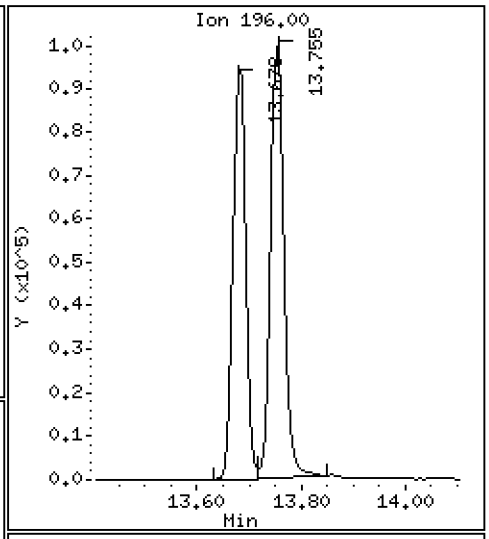
Column phase: ZB-5msi

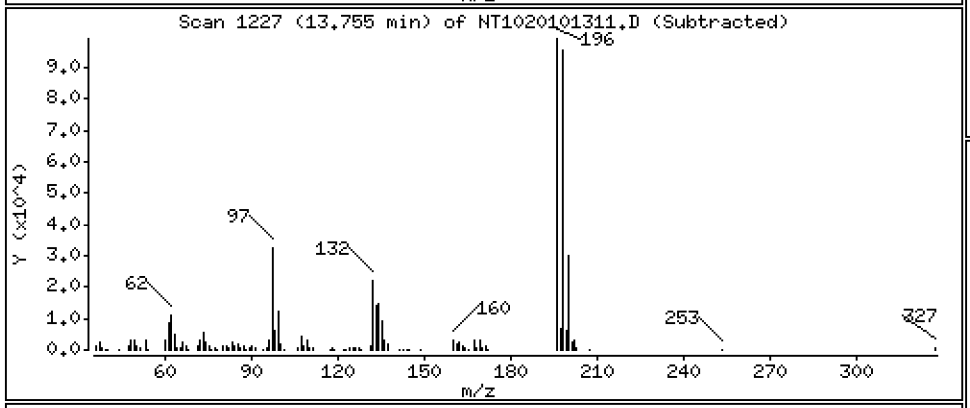
Column diameter: 0.25

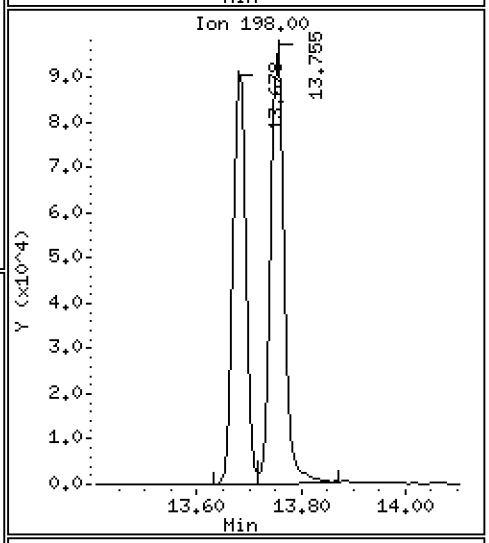
35 2,4,5-Trichlorophenol

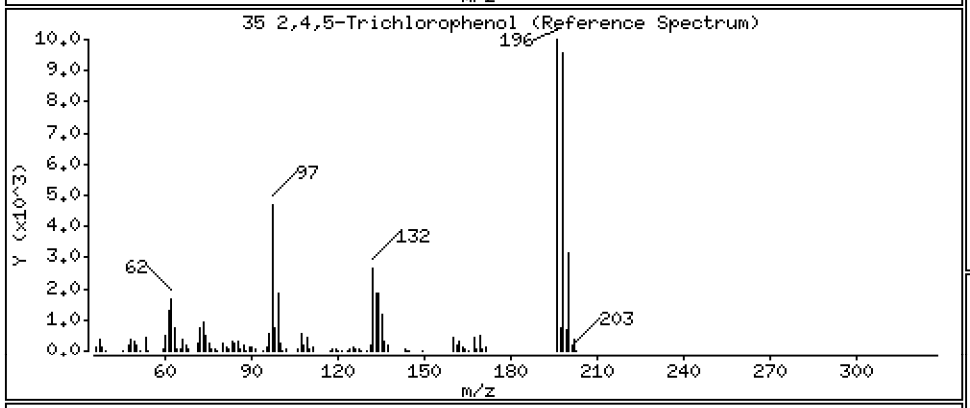
Concentration: 5.062 ug/mL

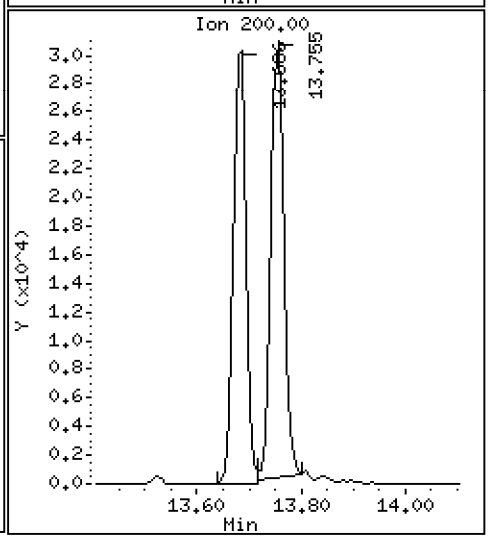


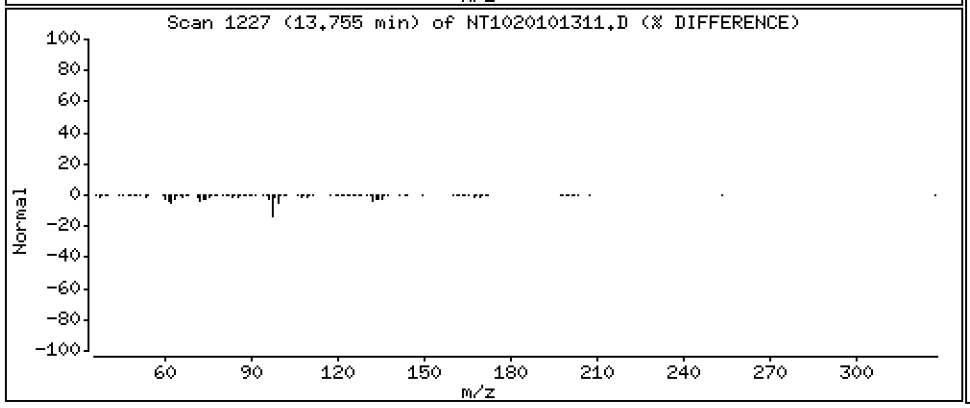












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

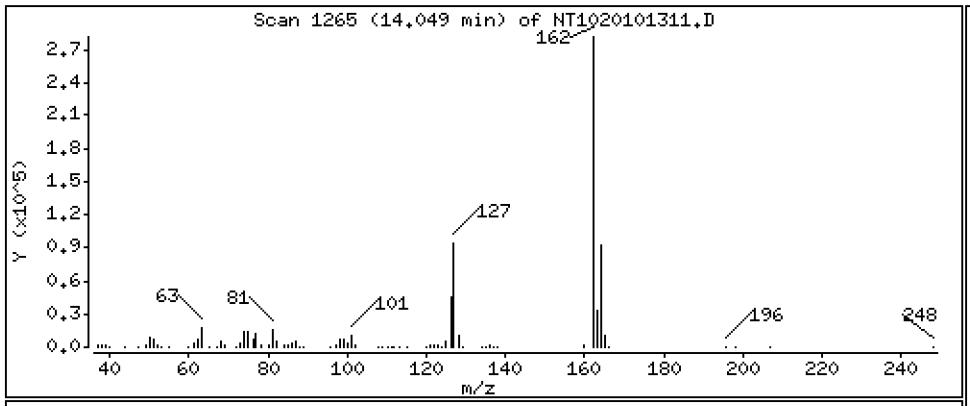
Operator: VTS

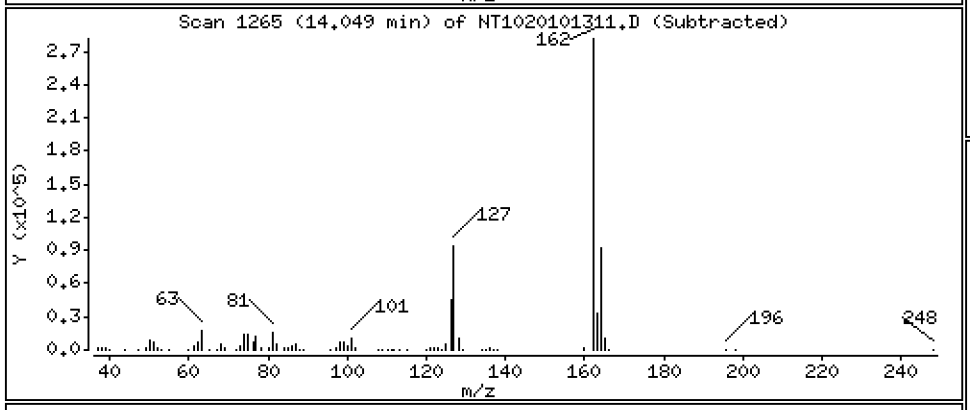
Column phase: ZB-5msi

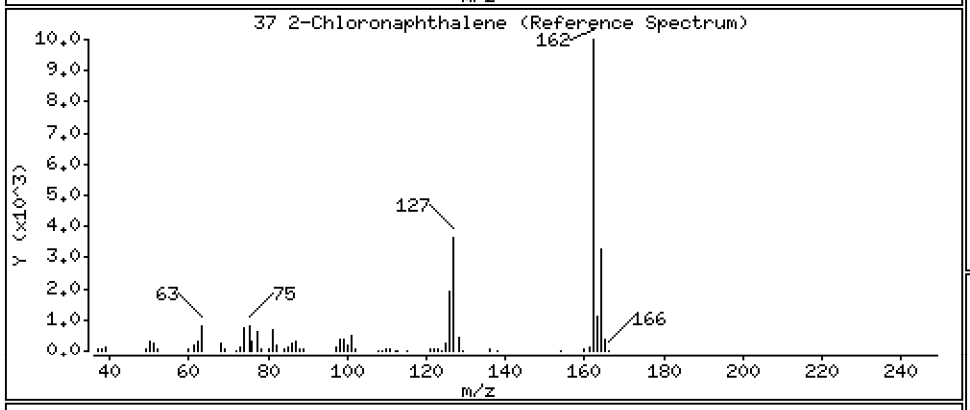
Column diameter: 0.25

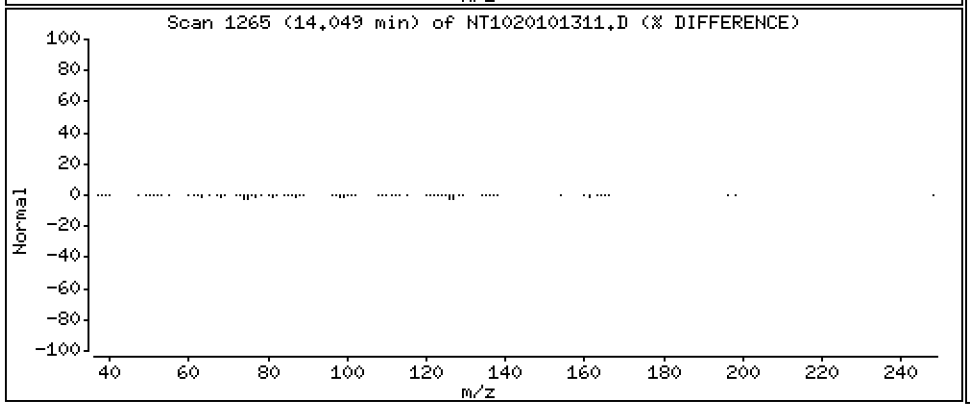
37 2-Chloronaphthalene

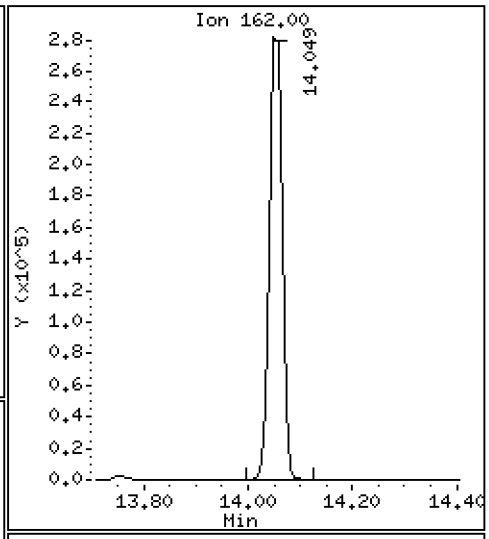
Concentration: 4.783 ug/mL

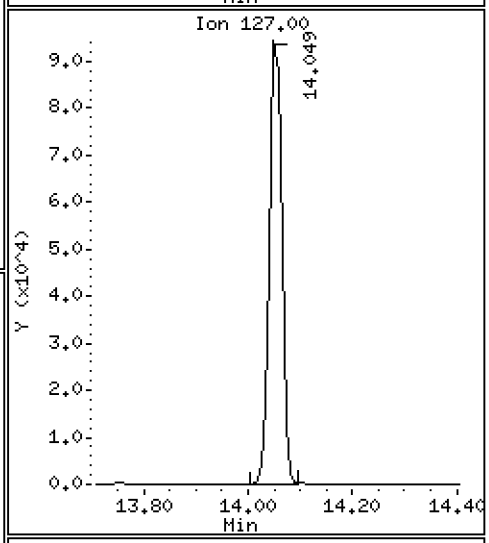


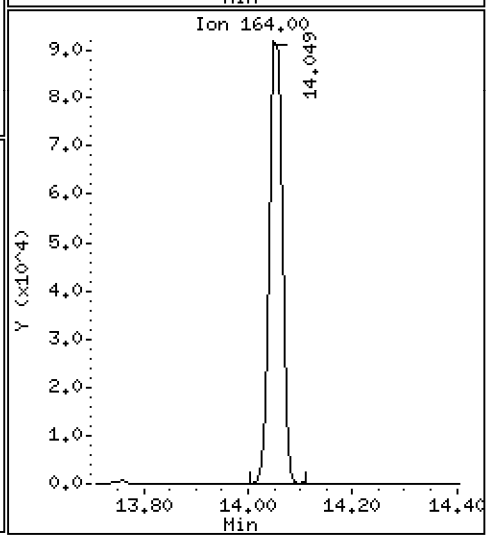












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

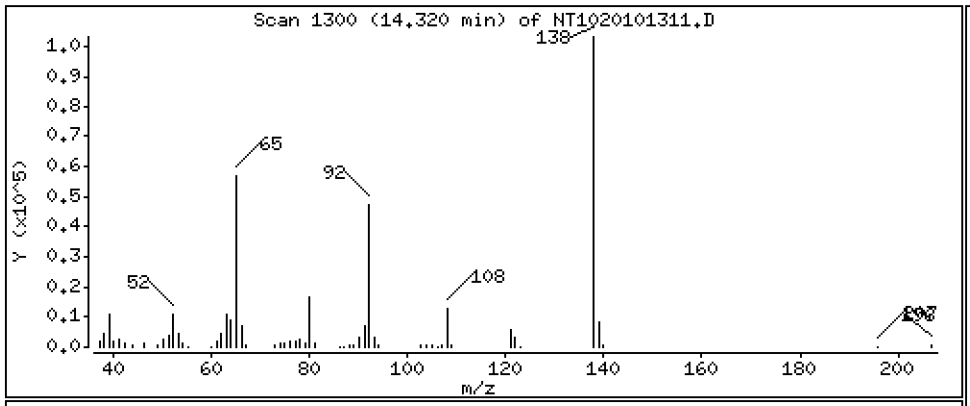
Operator: VTS

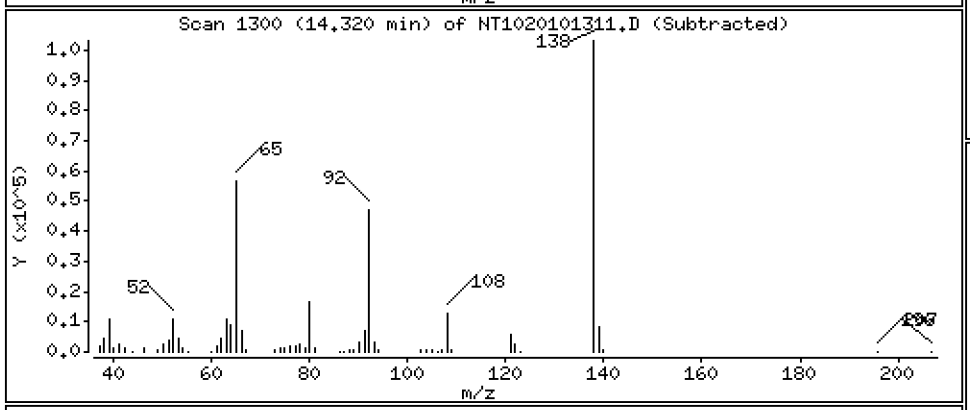
Column phase: ZB-5msi

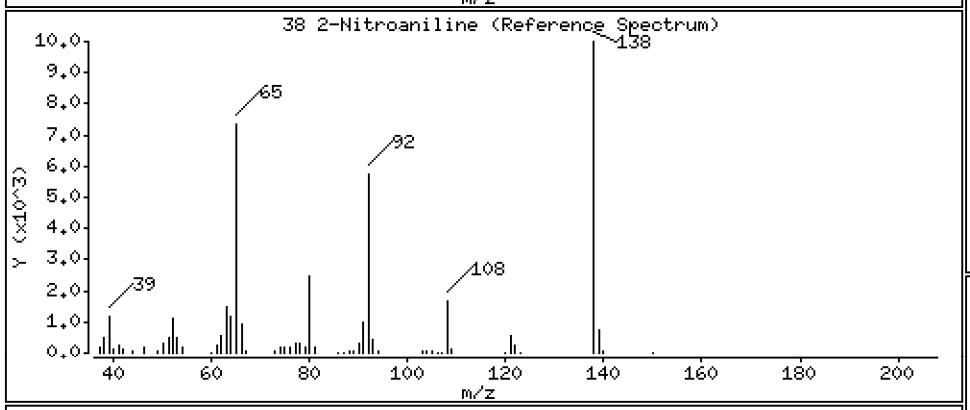
Column diameter: 0.25

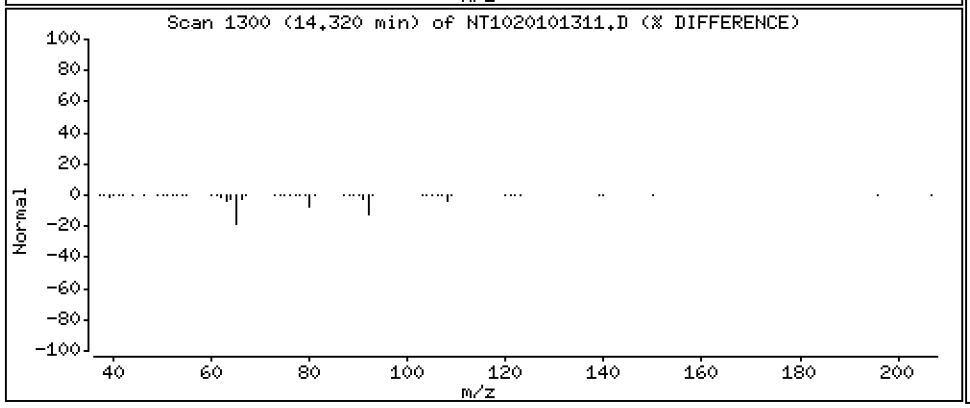
38 2-Nitroaniline

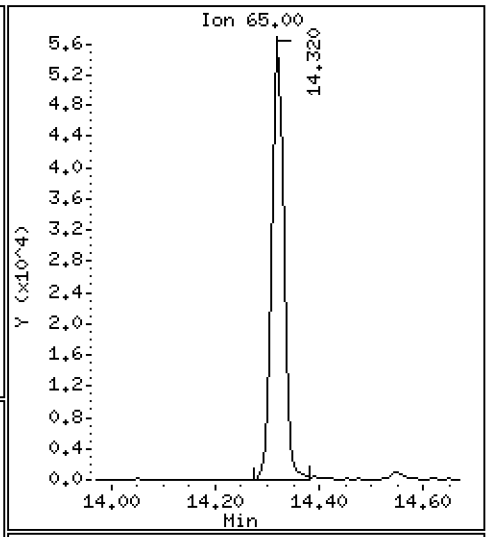
Concentration: 5.326 ug/mL

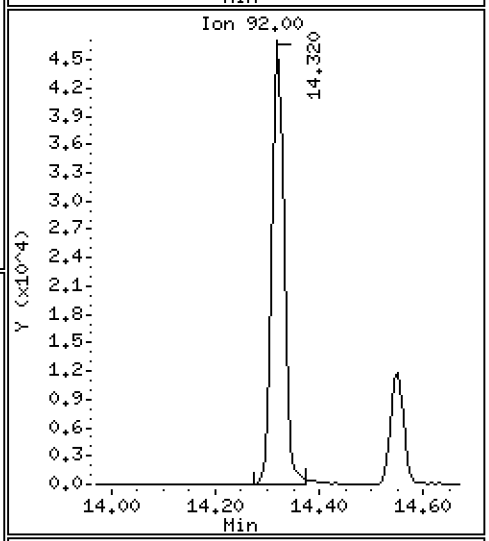


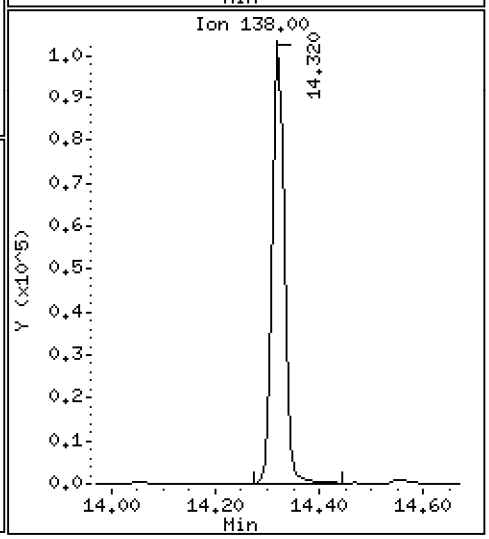












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

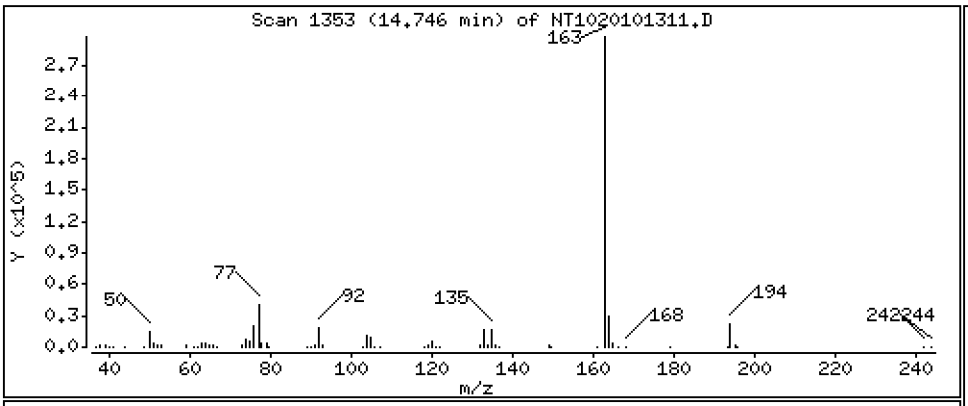
Operator: VTS

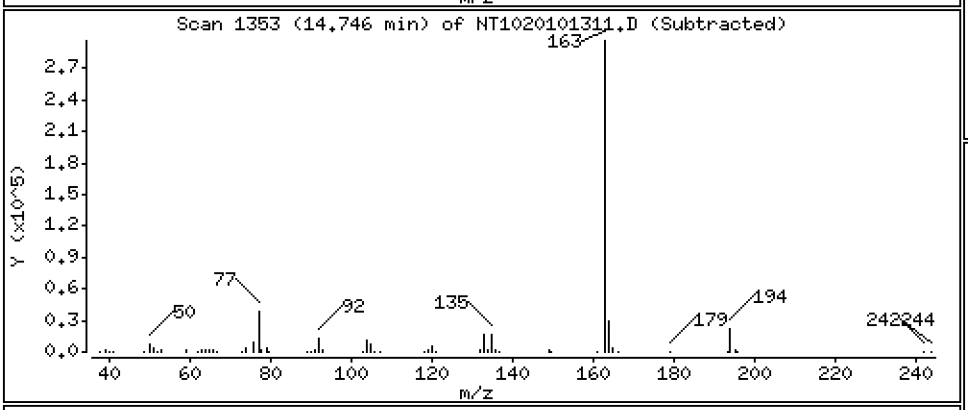
Column phase: ZB-5msi

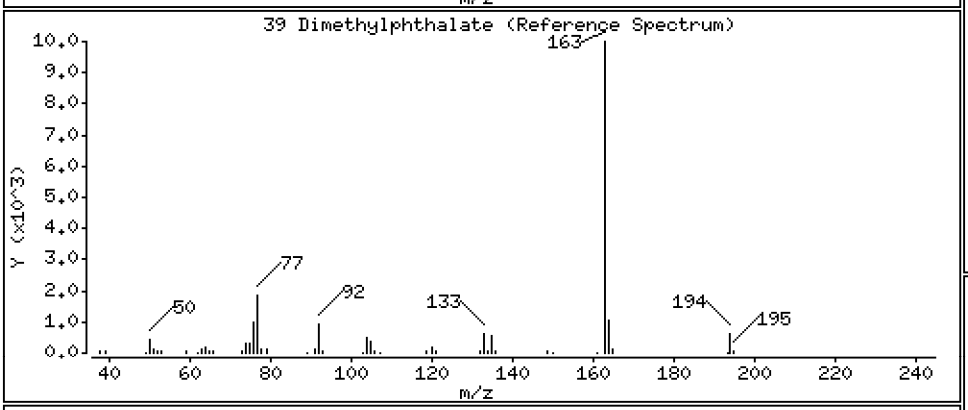
Column diameter: 0.25

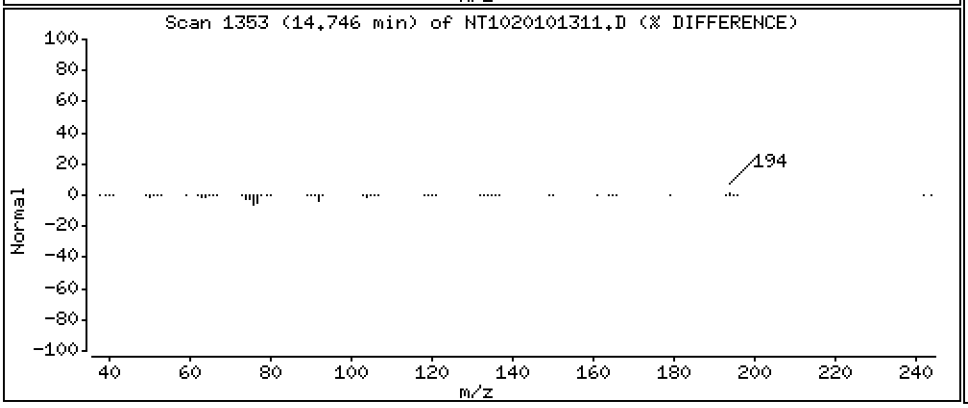
39 Dimethylphthalate

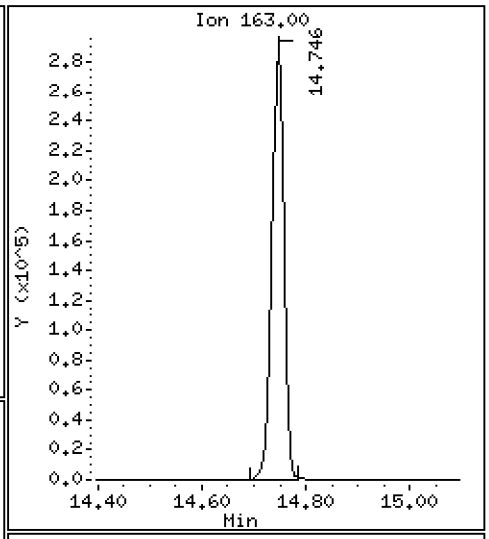
Concentration: 4.796 ug/mL

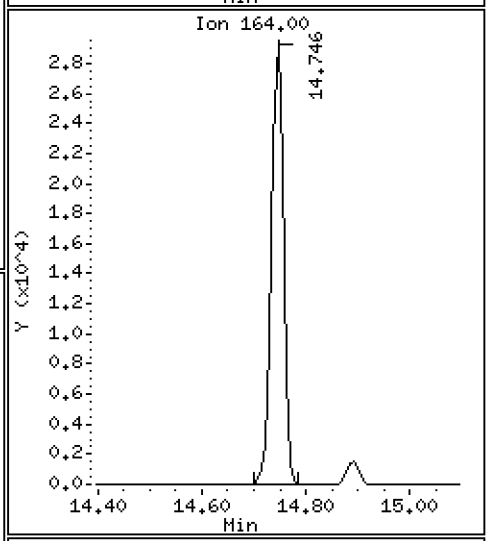


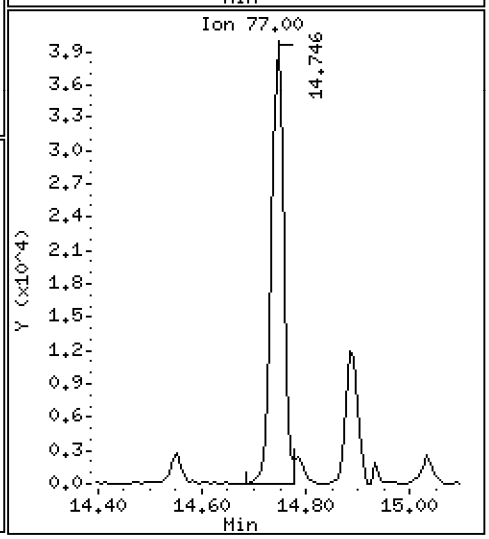












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

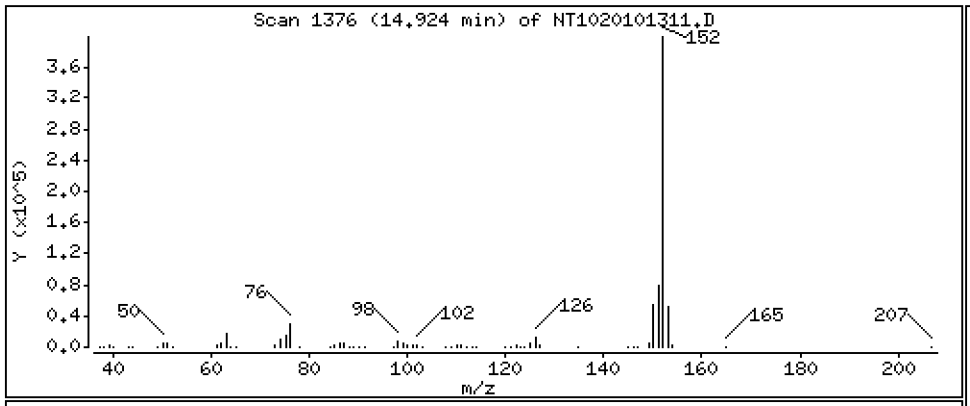
Operator: VTS

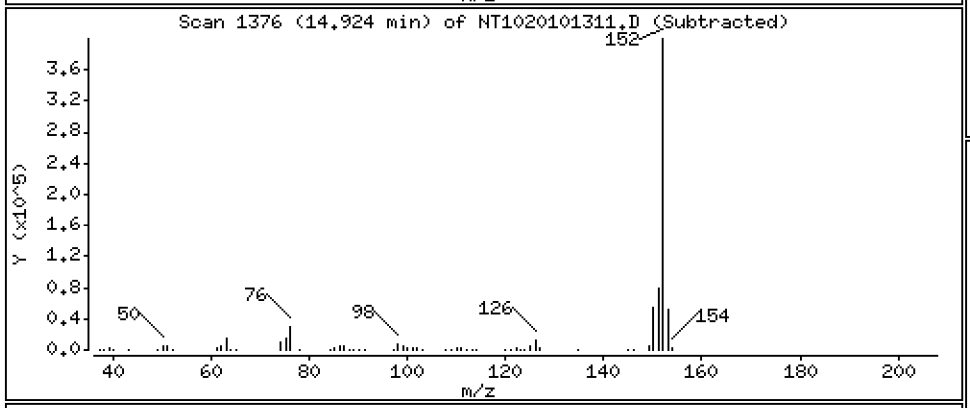
Column phase: ZB-5msi

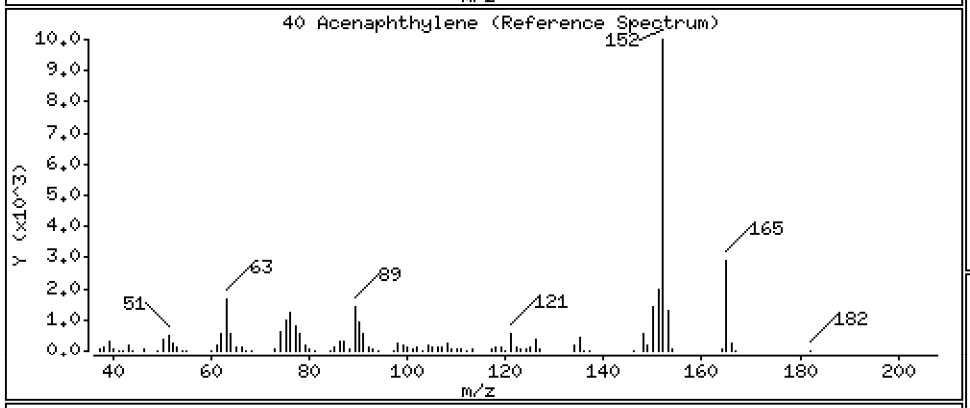
Column diameter: 0.25

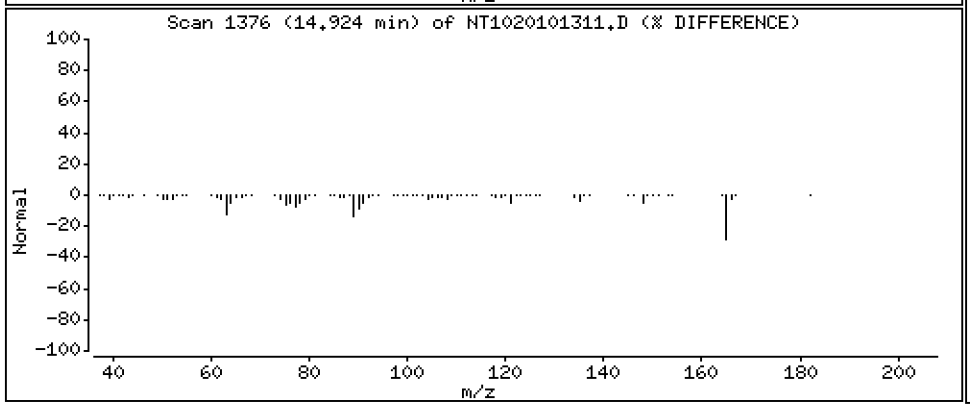
40 Acenaphthylene

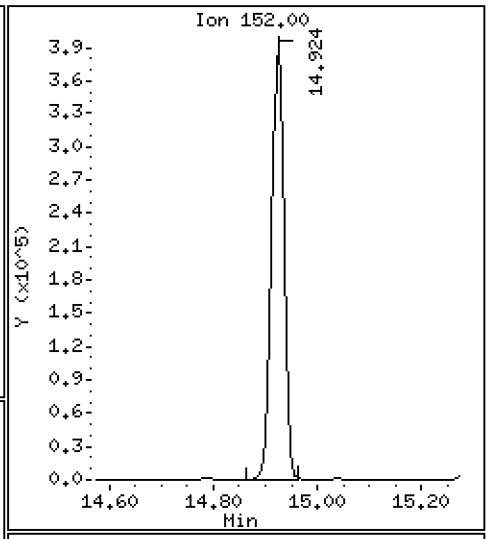
Concentration: 4.096 ug/mL

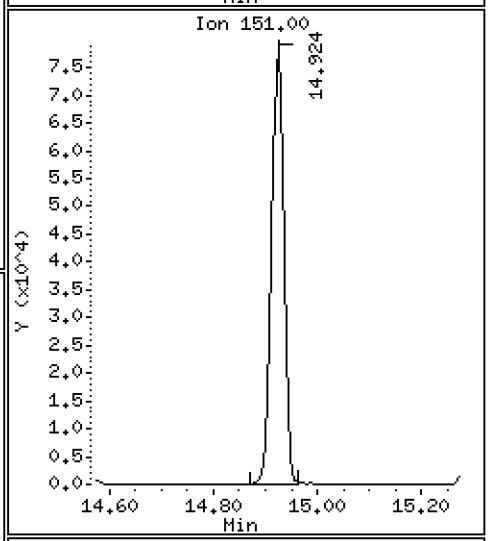


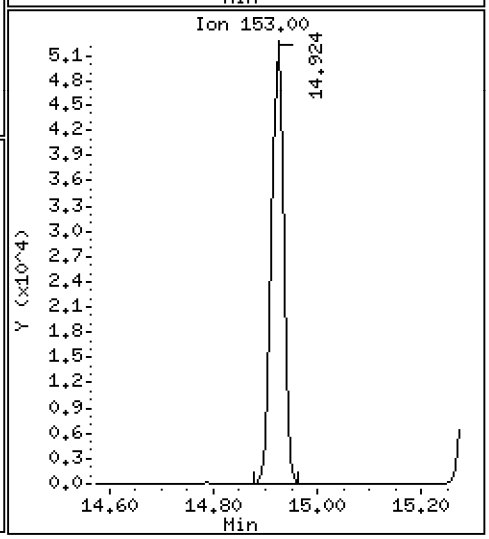












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

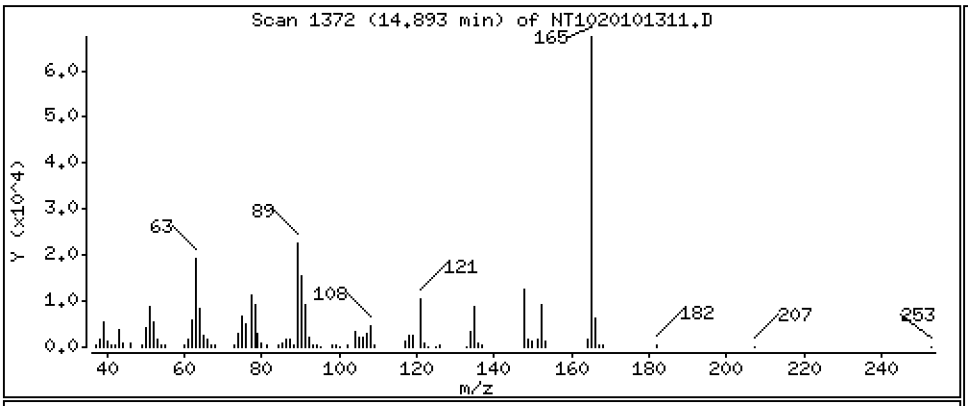
Operator: VTS

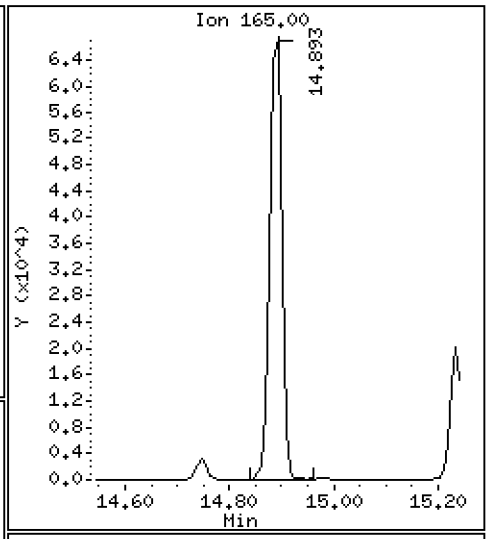
Column phase: ZB-5msi

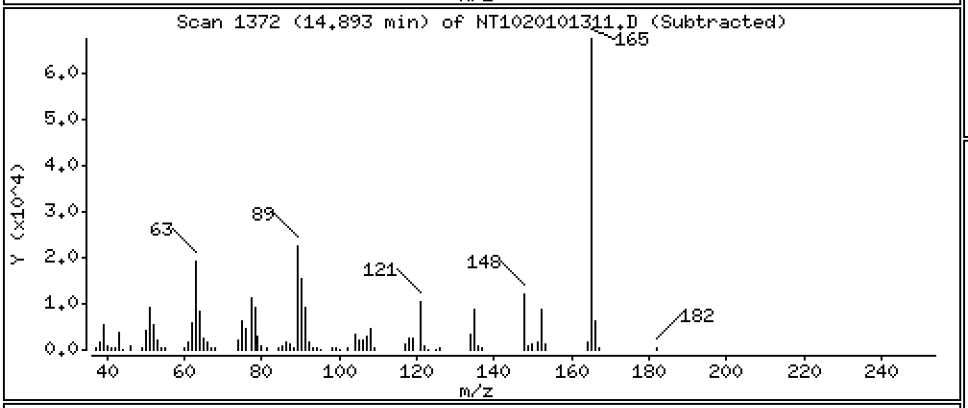
Column diameter: 0.25

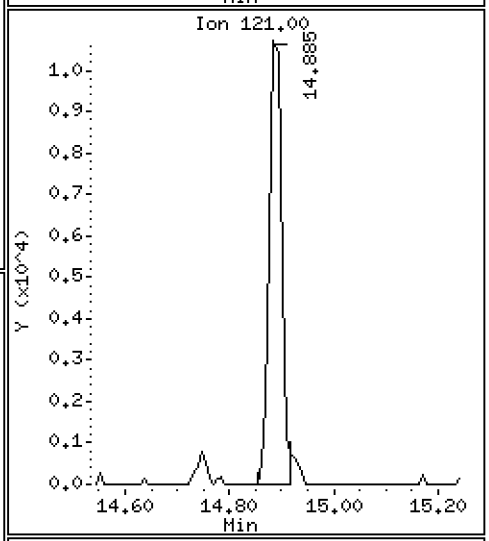
41 2,6-Dinitrotoluene

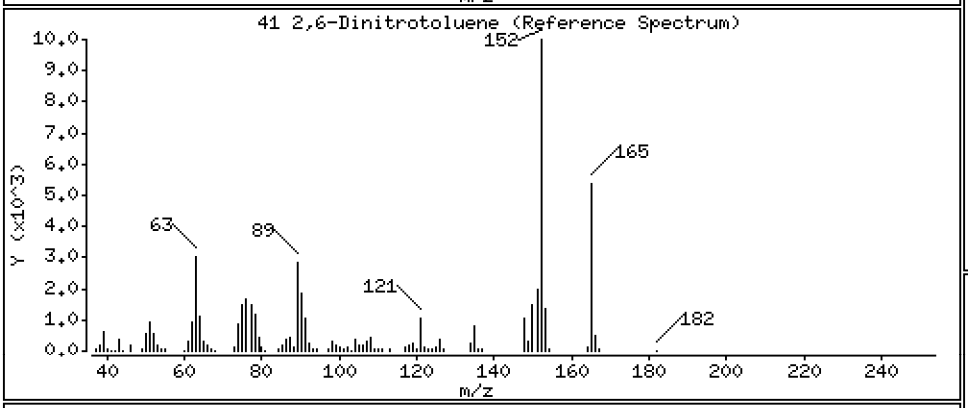
Concentration: 4.873 ug/mL

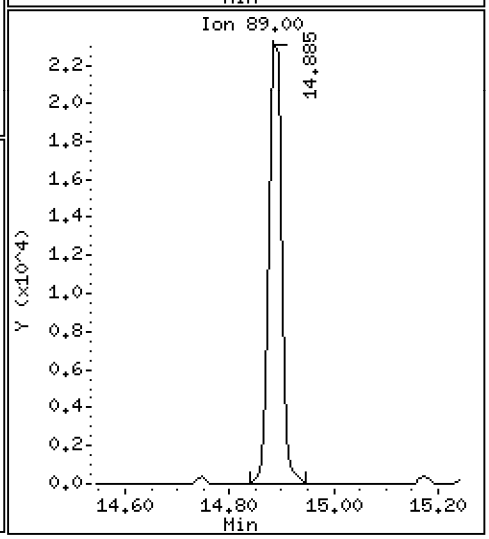


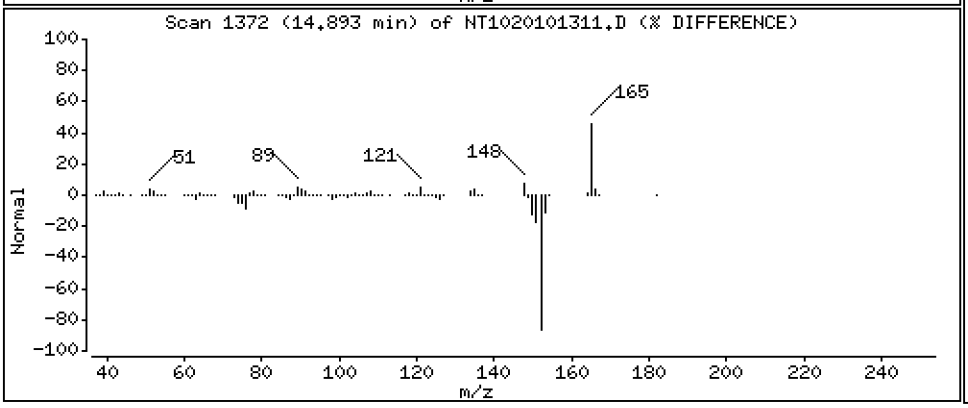












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

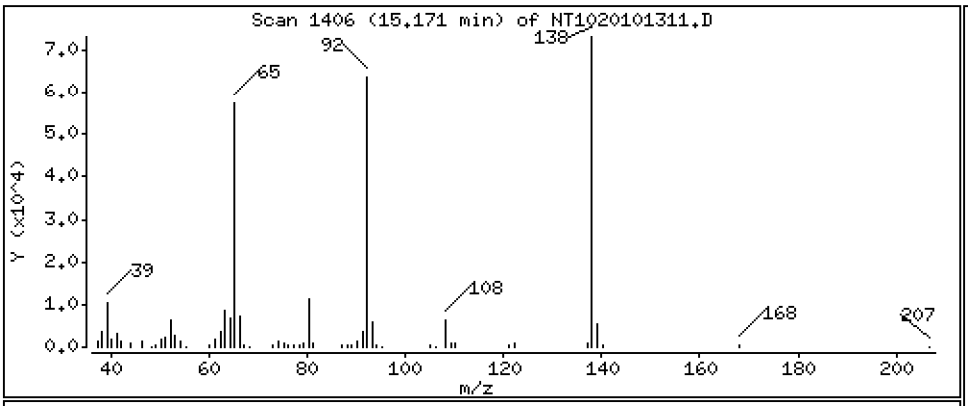
Operator: VTS

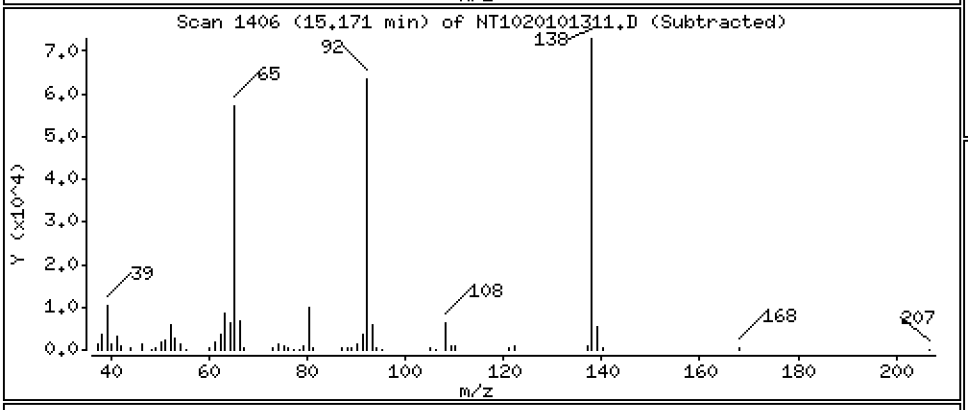
Column phase: ZB-5msi

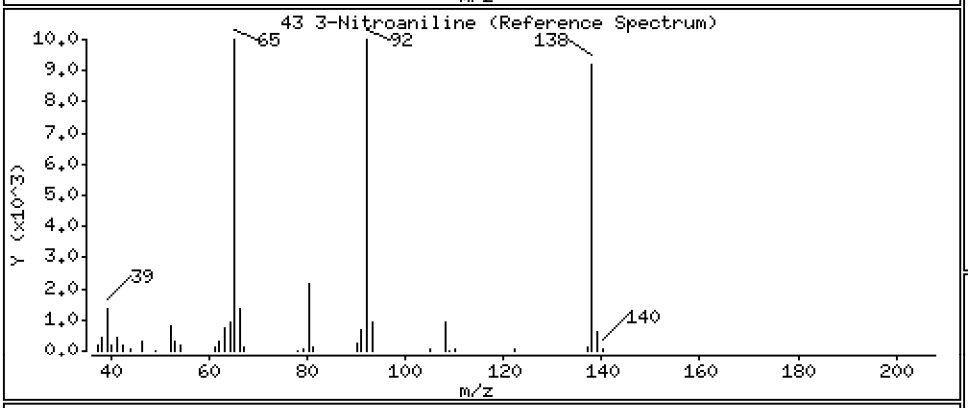
Column diameter: 0.25

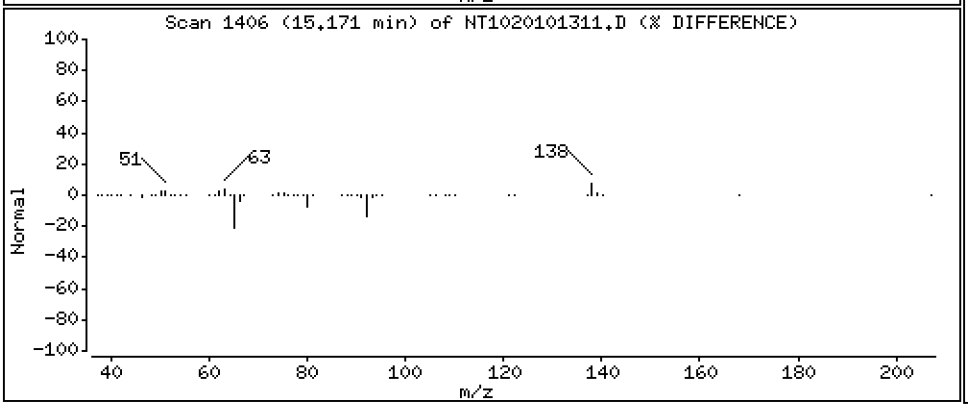
43 3-Nitroaniline

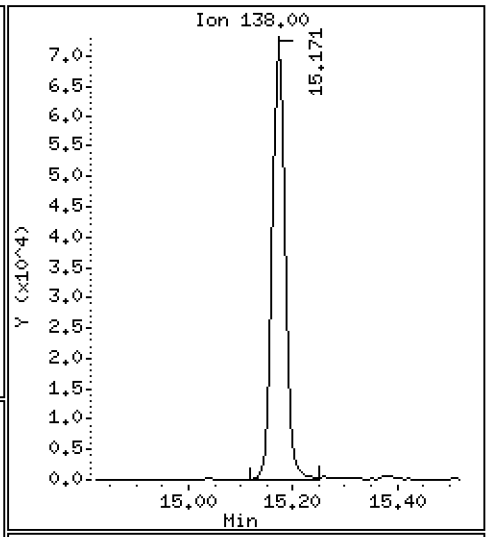
Concentration: 5.167 ug/mL

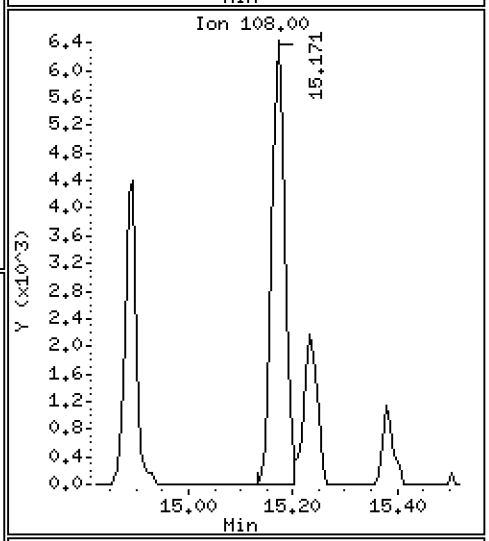


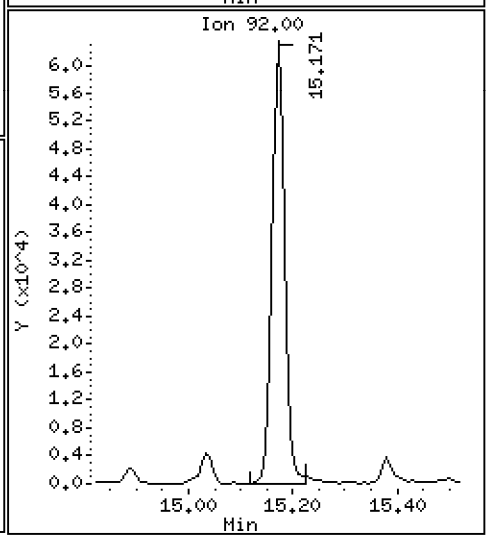












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

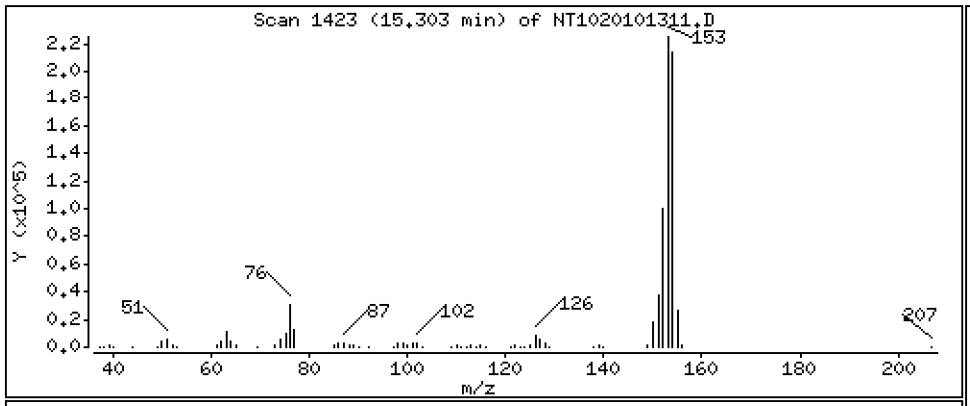
Operator: VTS

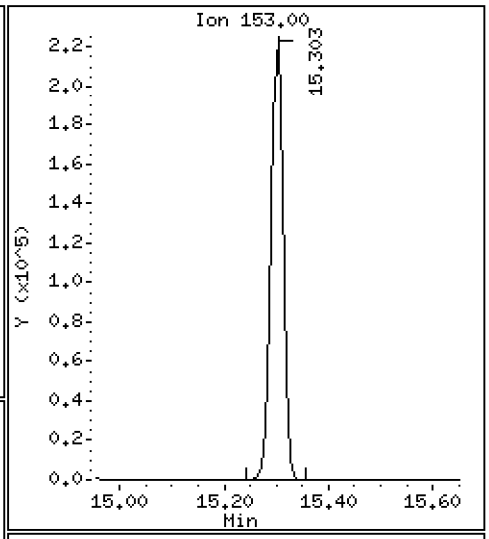
Column phase: ZB-5msi

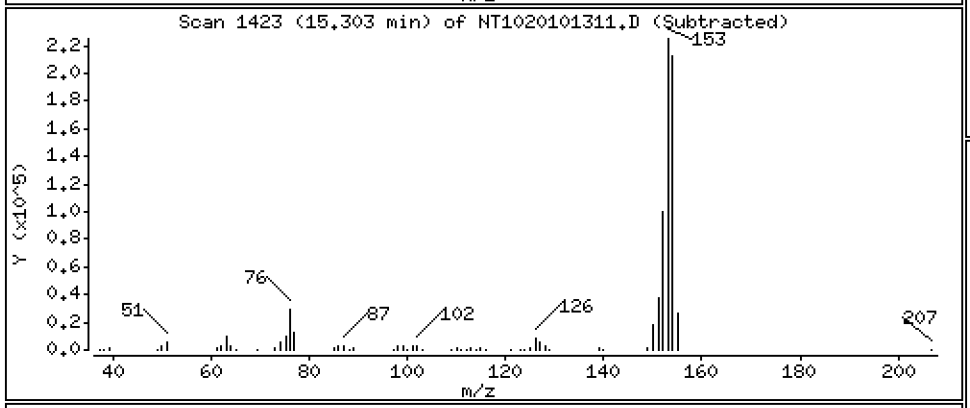
Column diameter: 0.25

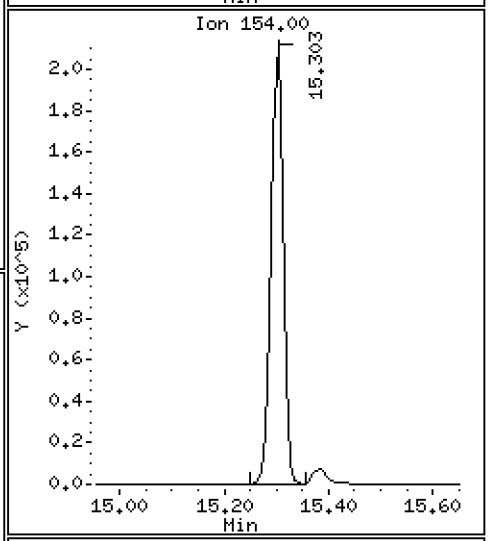
44 Acenaphthene

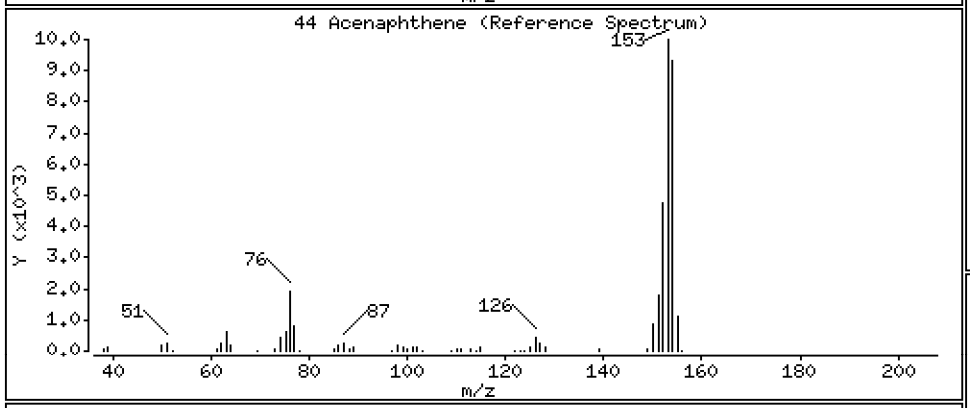
Concentration: 4.523 ug/mL

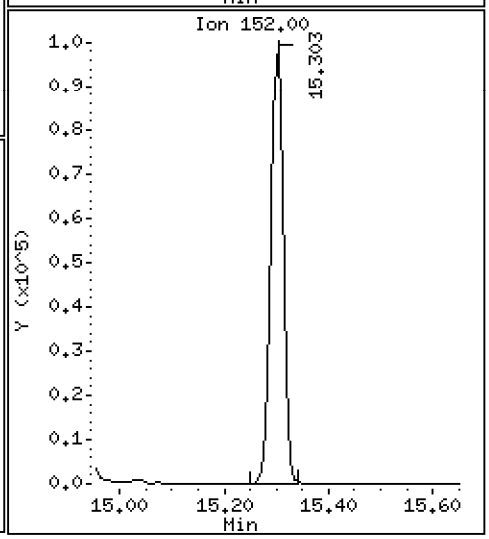


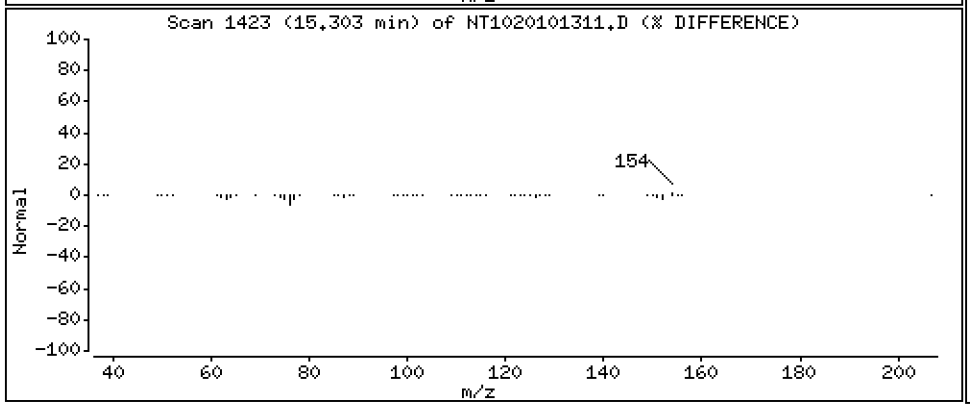












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

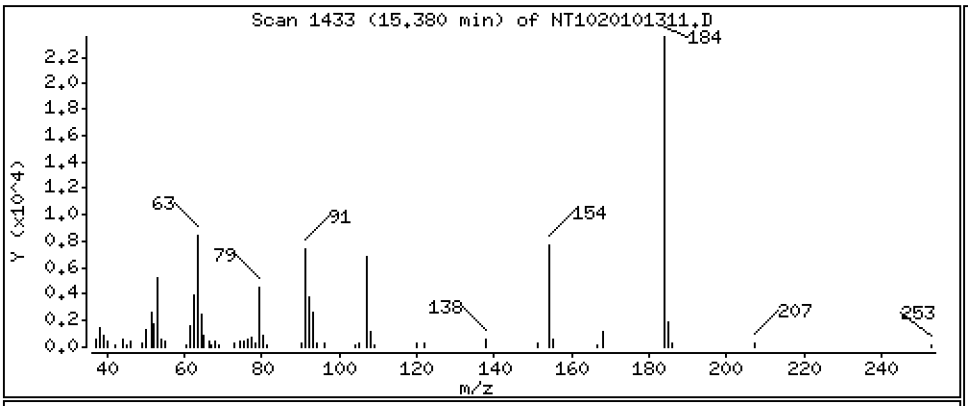
Operator: VTS

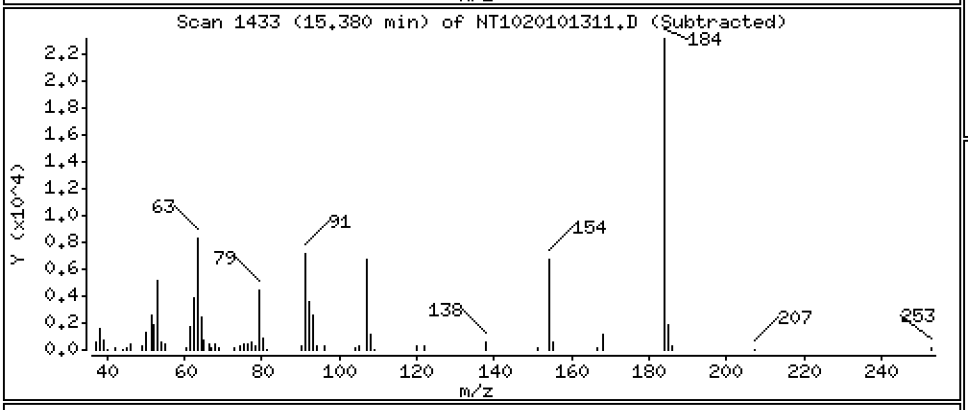
Column phase: ZB-5msi

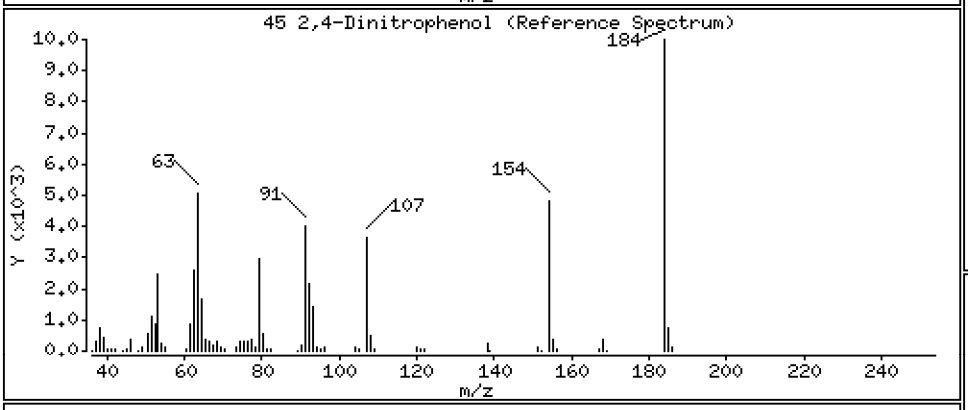
Column diameter: 0.25

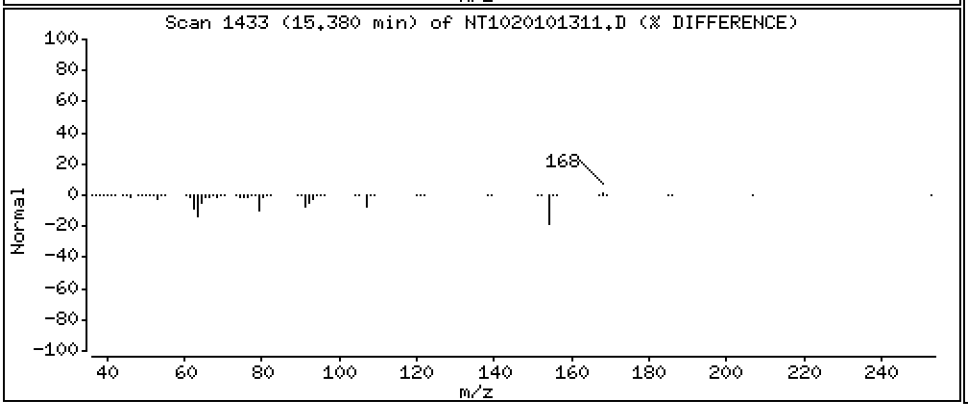
45 2,4-Dinitrophenol

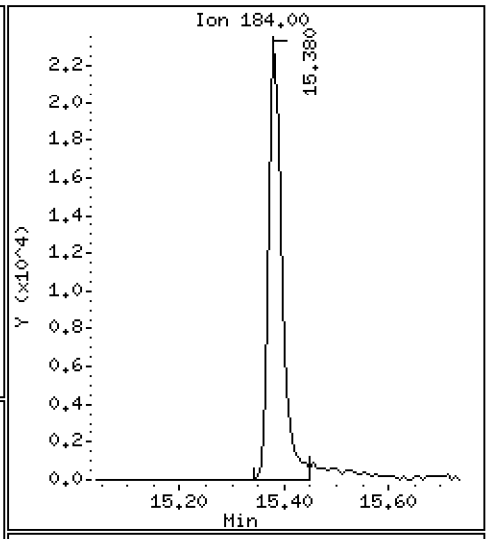
Concentration: 2.539 ug/mL

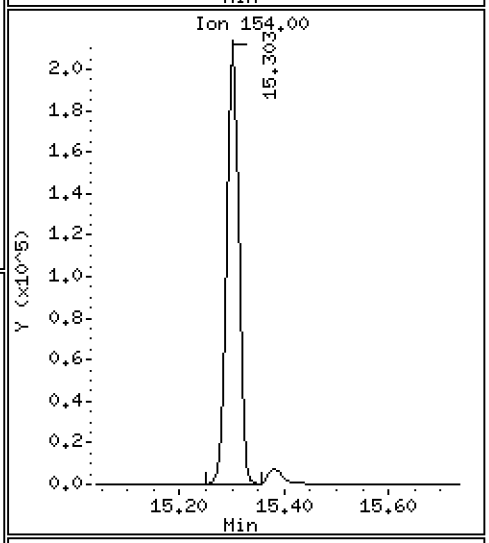


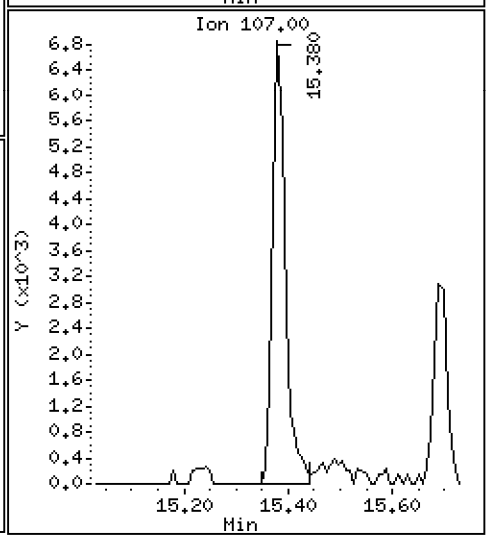












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

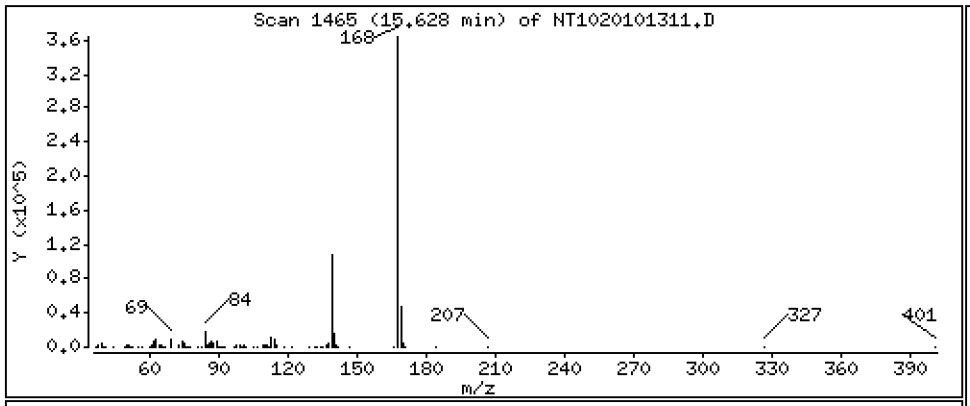
Operator: VTS

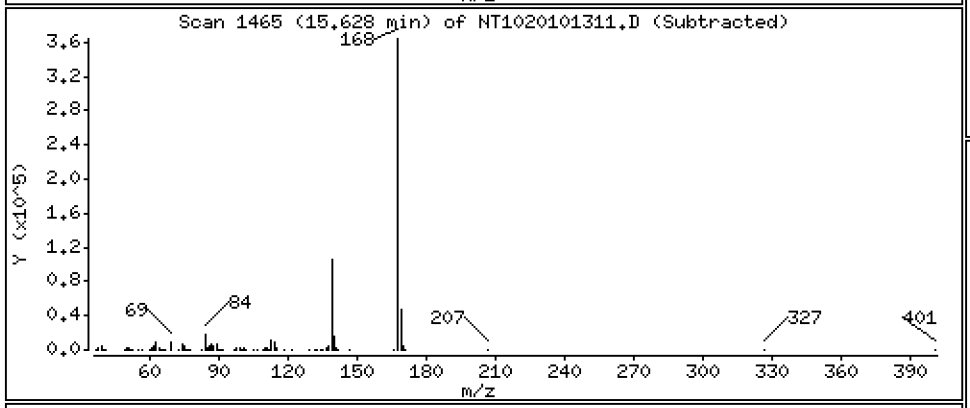
Column phase: ZB-5msi

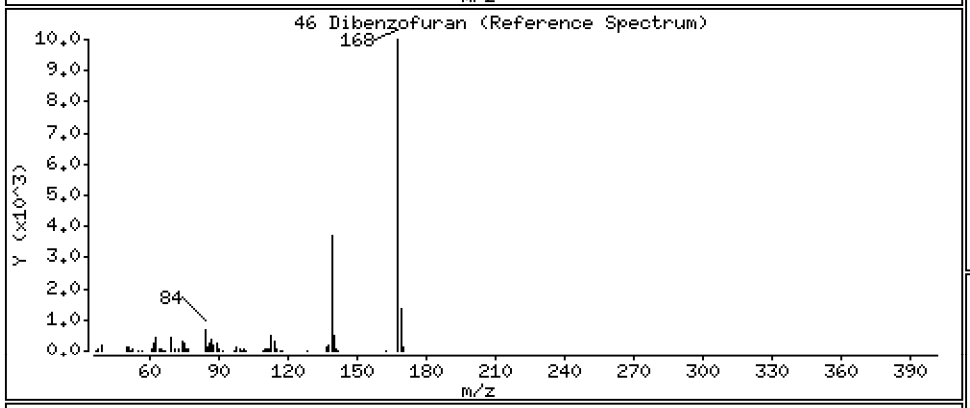
Column diameter: 0.25

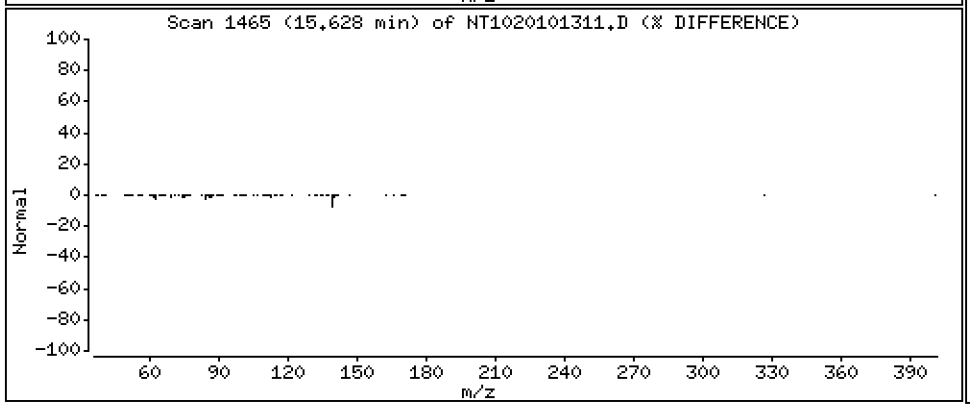
46 Dibenzofuran

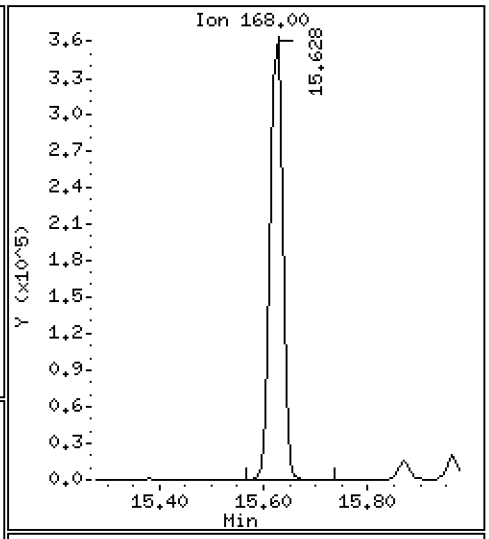
Concentration: 4.866 ug/mL

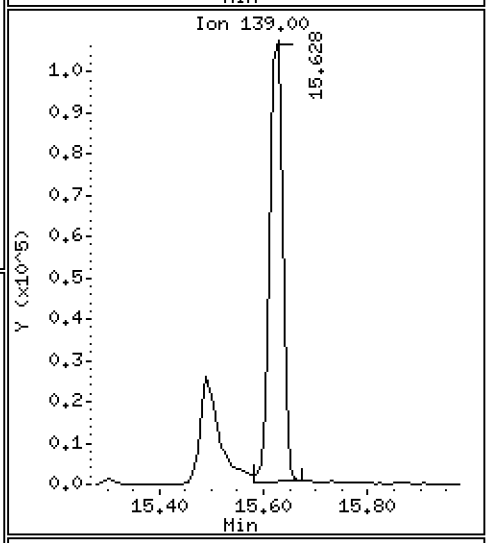


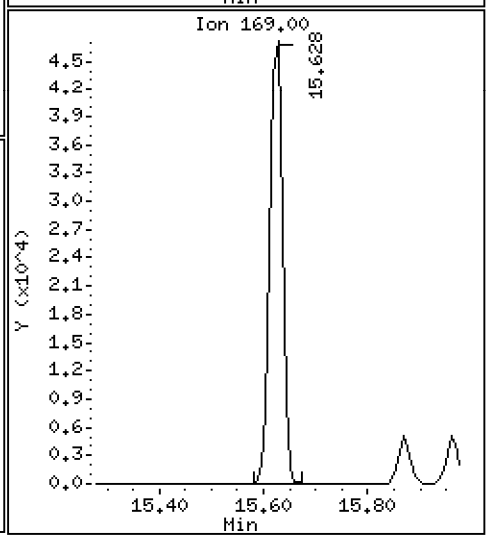












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

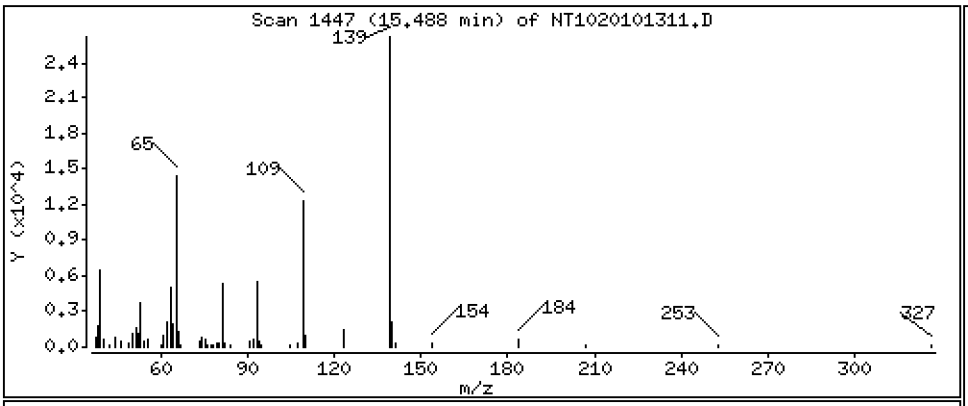
Operator: VTS

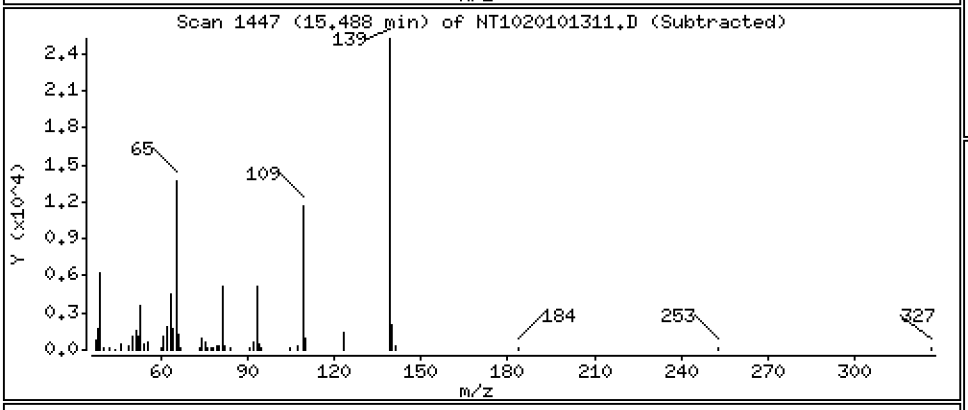
Column phase: ZB-5msi

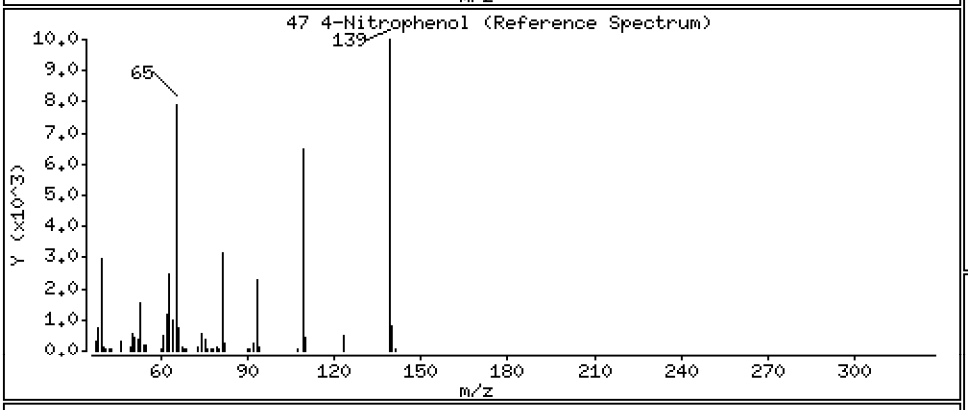
Column diameter: 0.25

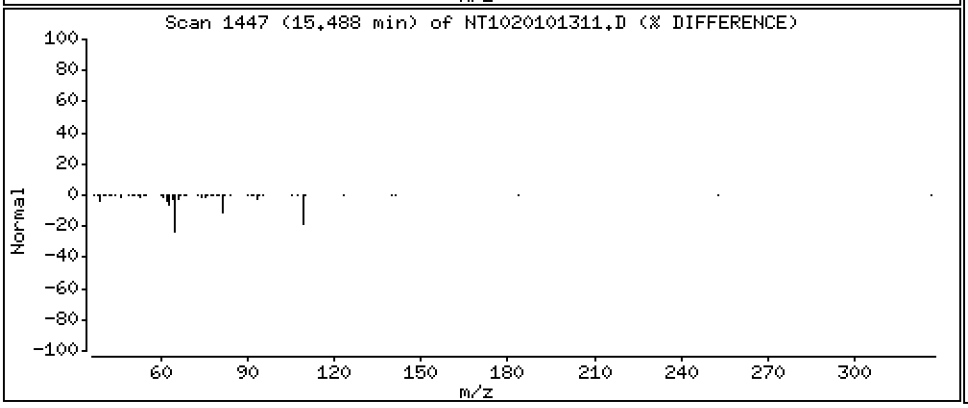
47 4-Nitrophenol

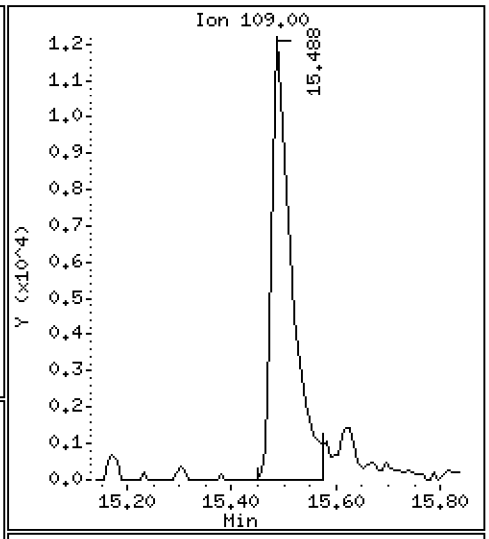
Concentration: 4.451 ug/mL

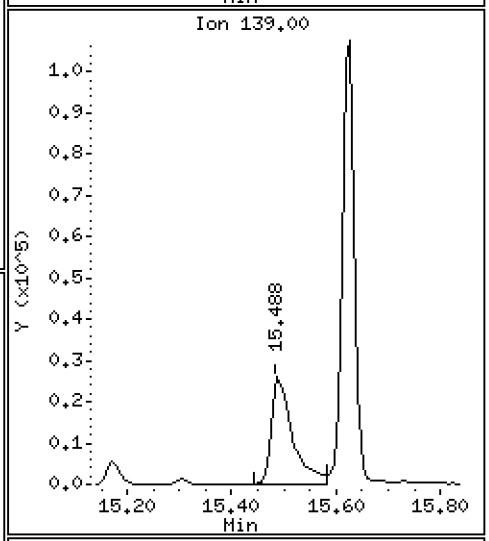


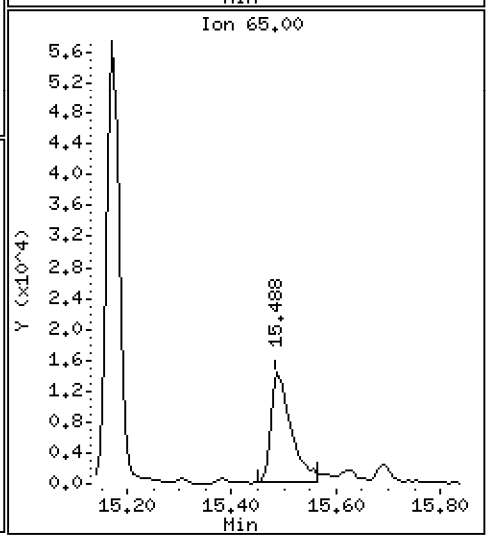












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

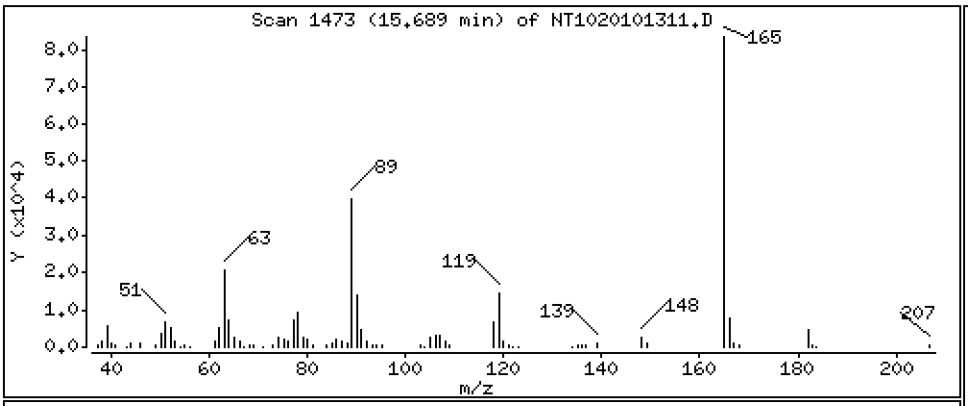
Operator: VTS

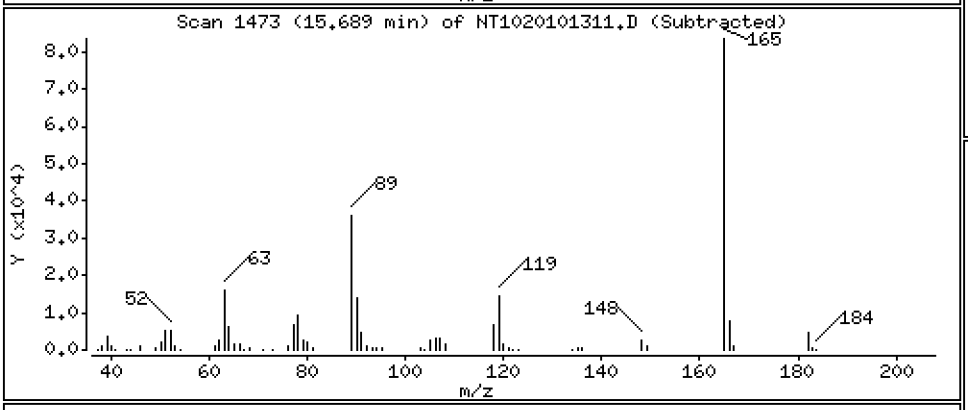
Column phase: ZB-5msi

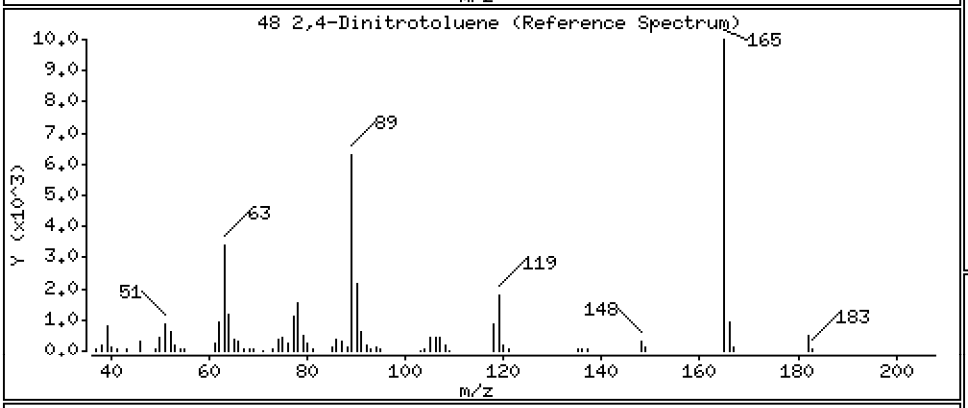
Column diameter: 0.25

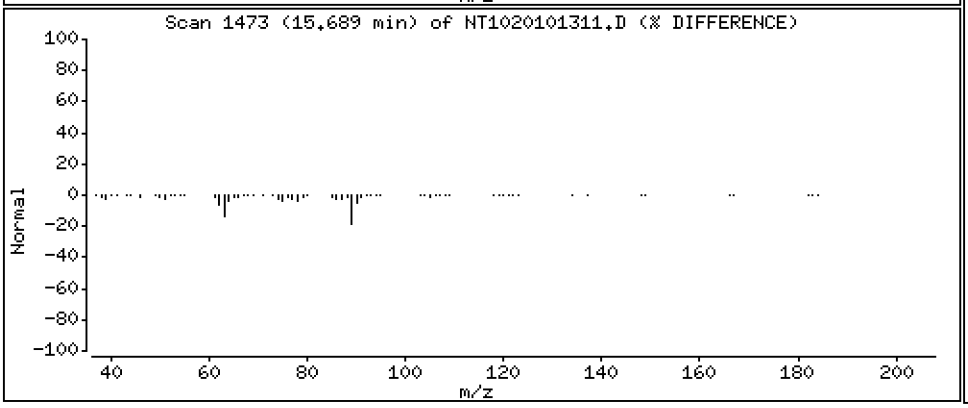
48 2,4-Dinitrotoluene

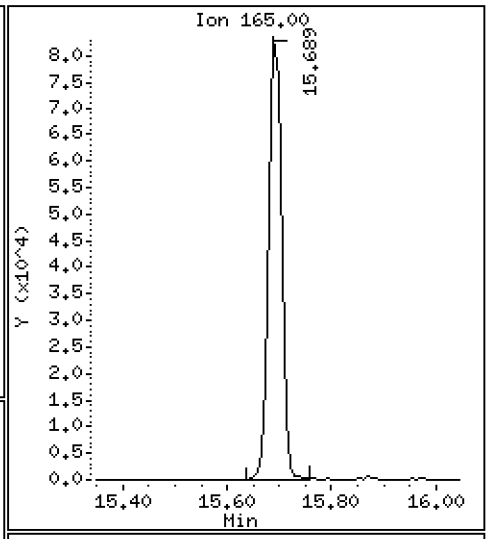
Concentration: 4.912 ug/mL

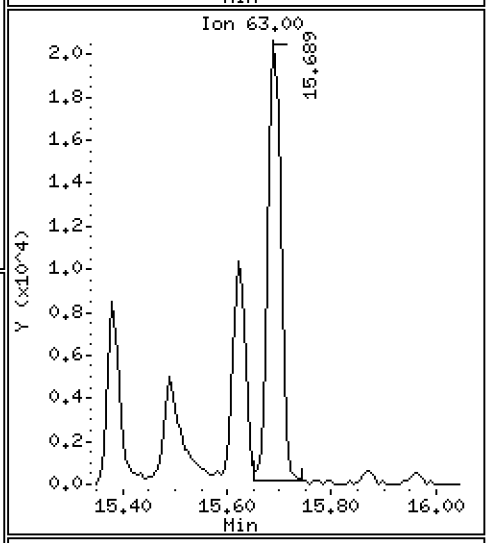


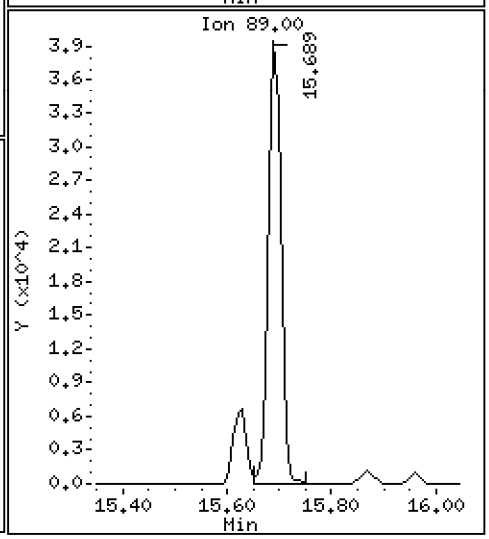












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

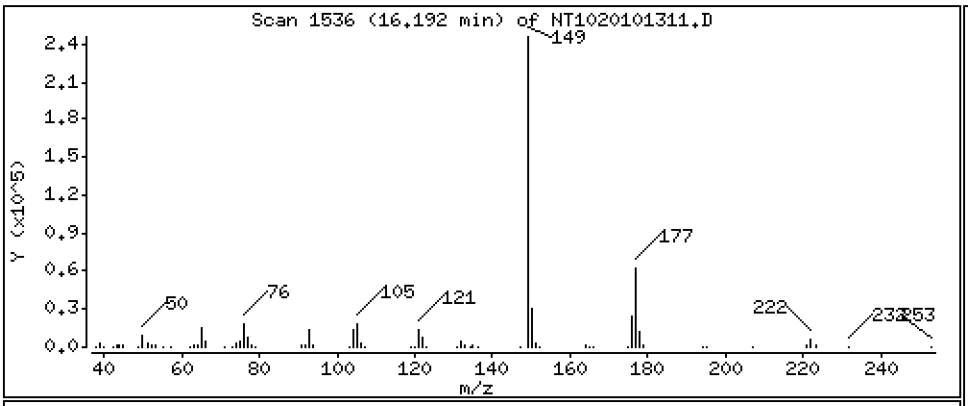
Operator: VTS

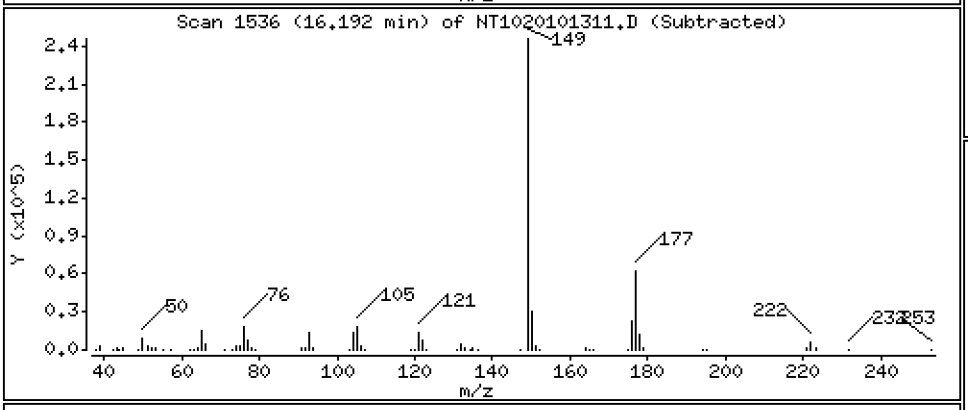
Column phase: ZB-5msi

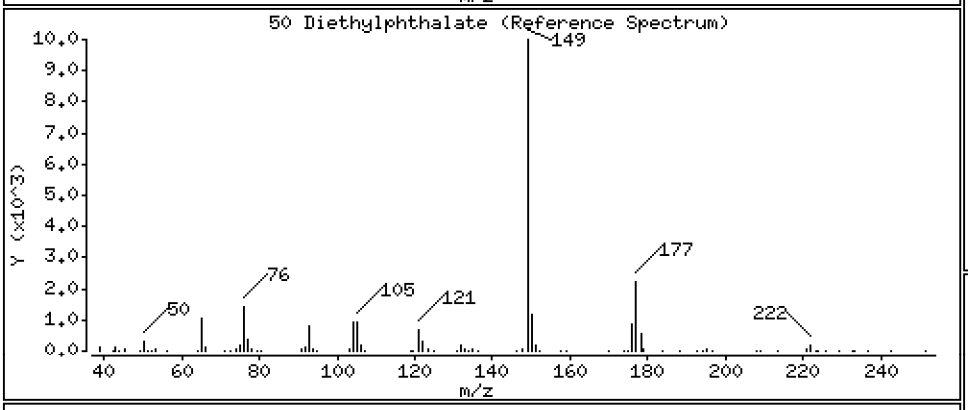
Column diameter: 0.25

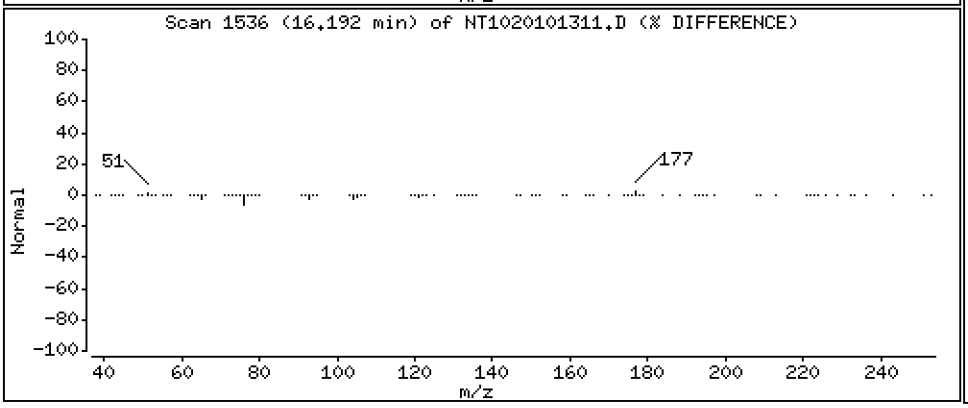
50 Diethylphthalate

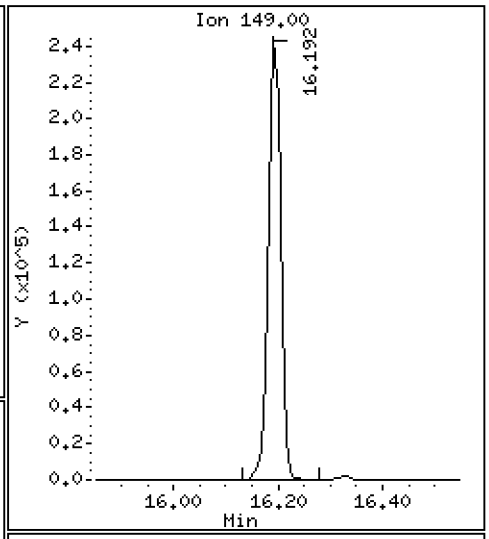
Concentration: 4.693 ug/mL

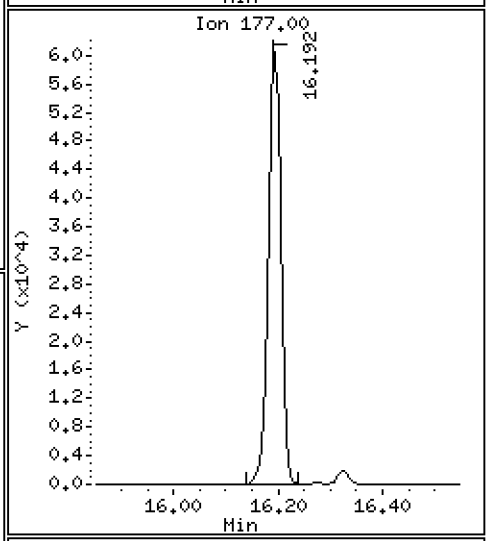


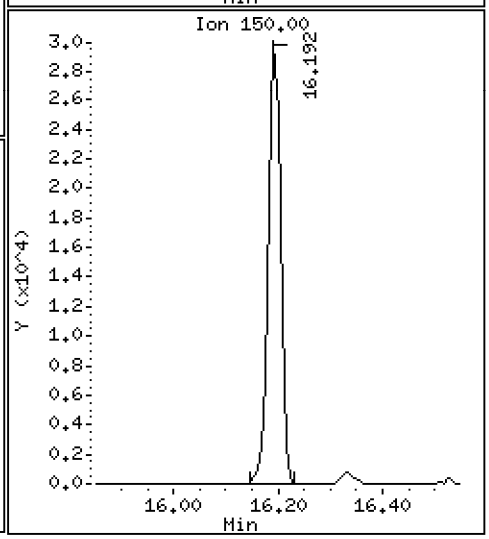












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

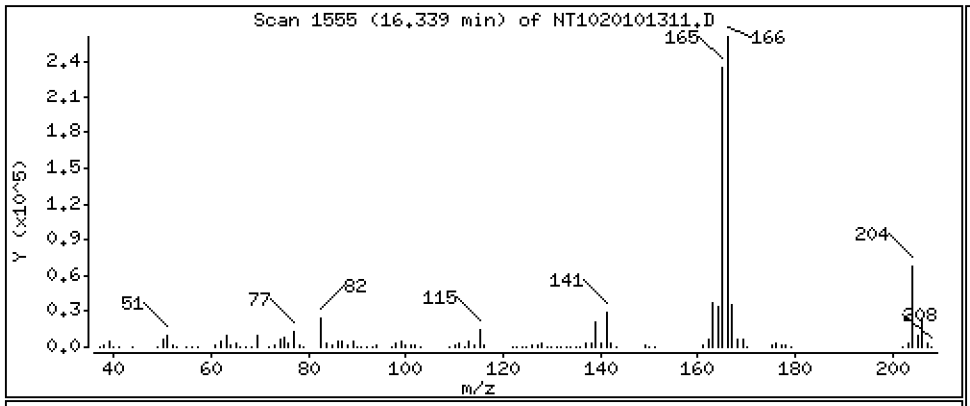
Operator: VTS

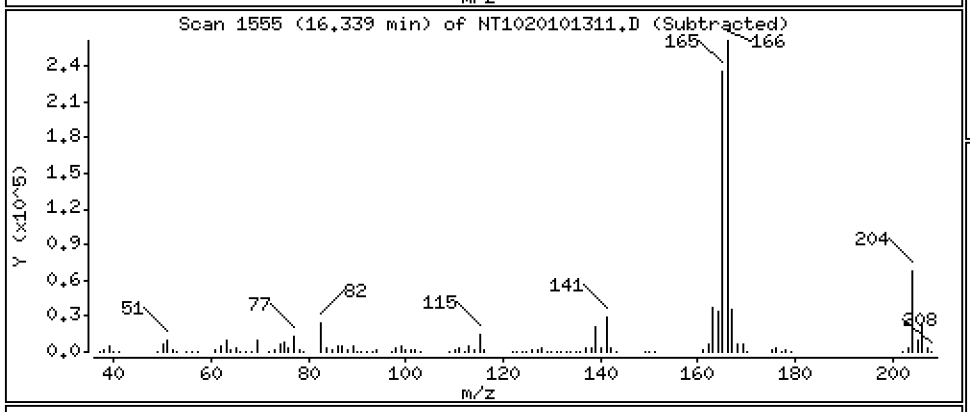
Column phase: ZB-5msi

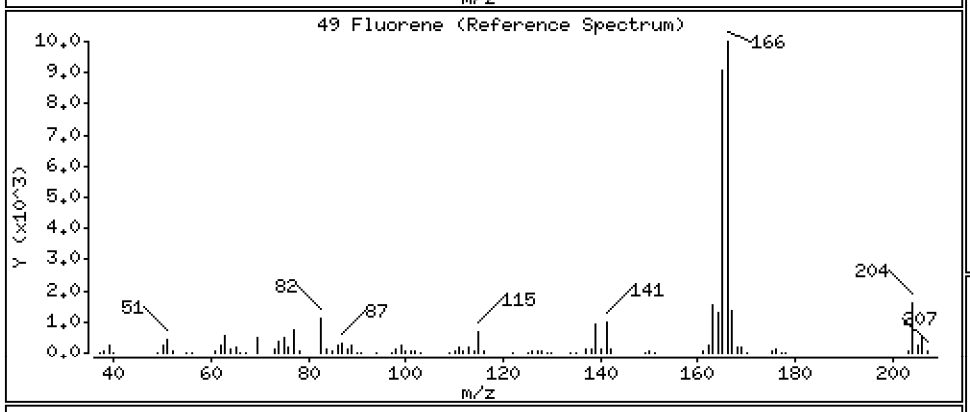
Column diameter: 0.25

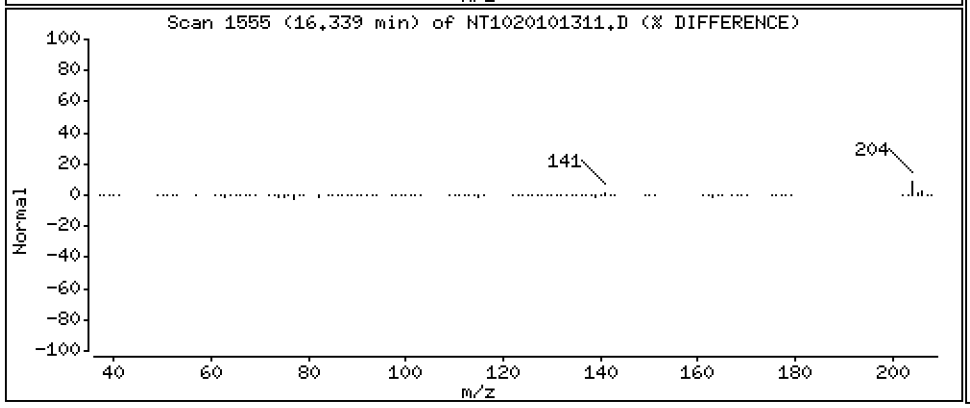
49 Fluorene

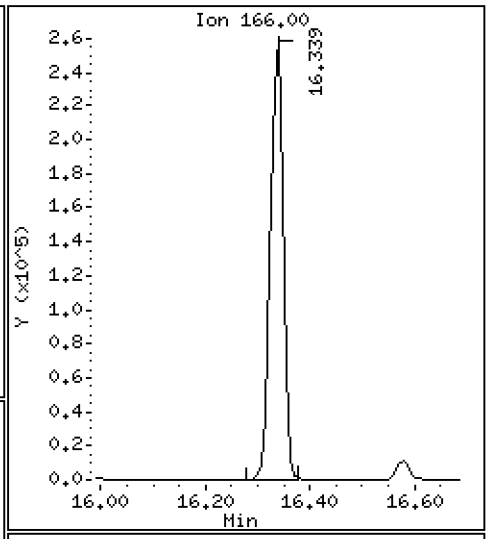
Concentration: 4.390 ug/mL

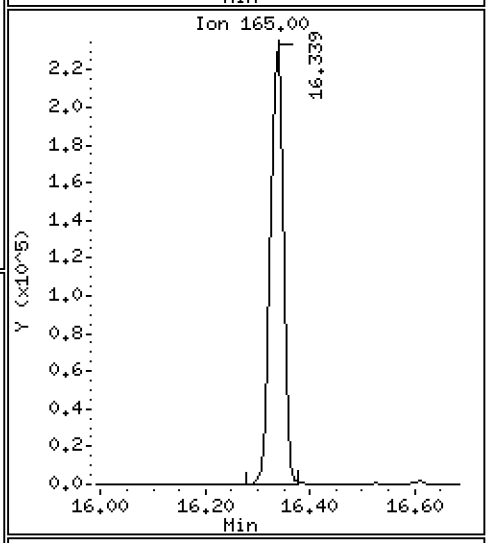


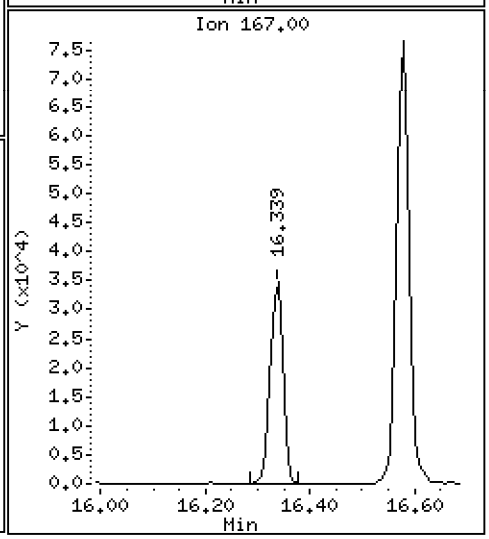












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

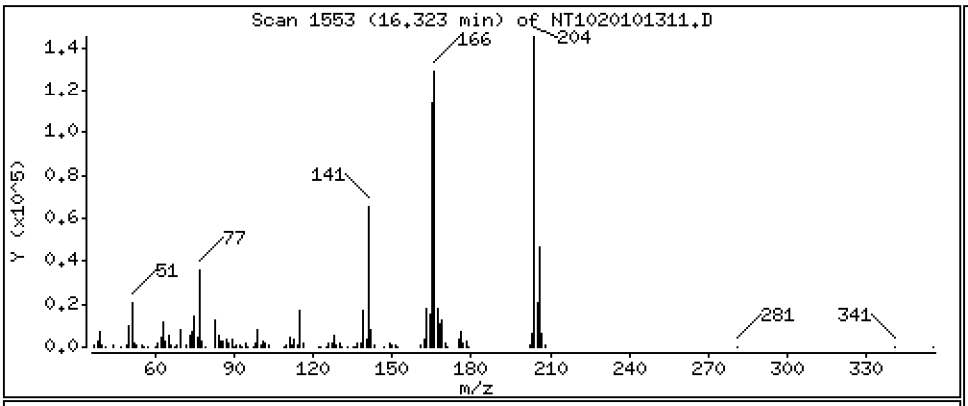
Operator: VTS

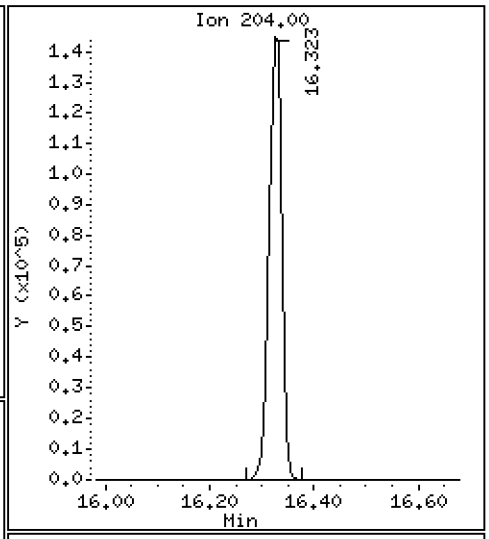
Column phase: ZB-5msi

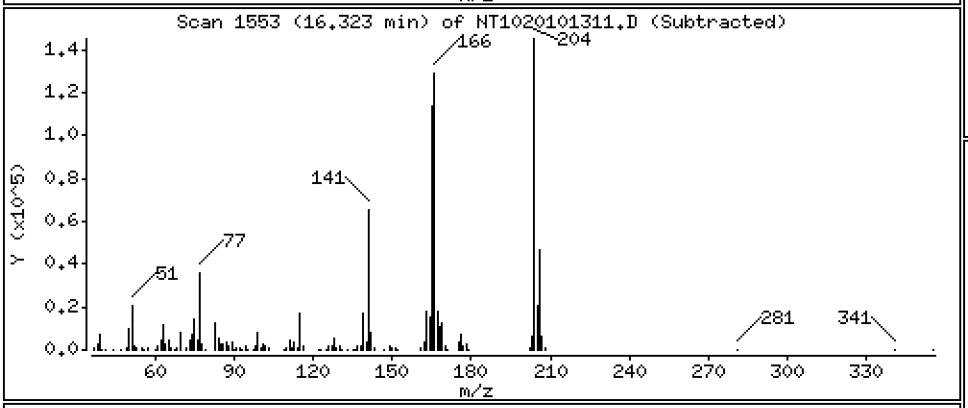
Column diameter: 0.25

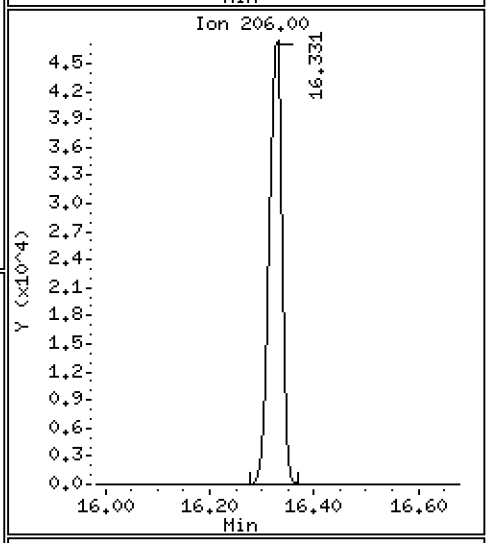
51 4-Chlorophenyl-phenylether

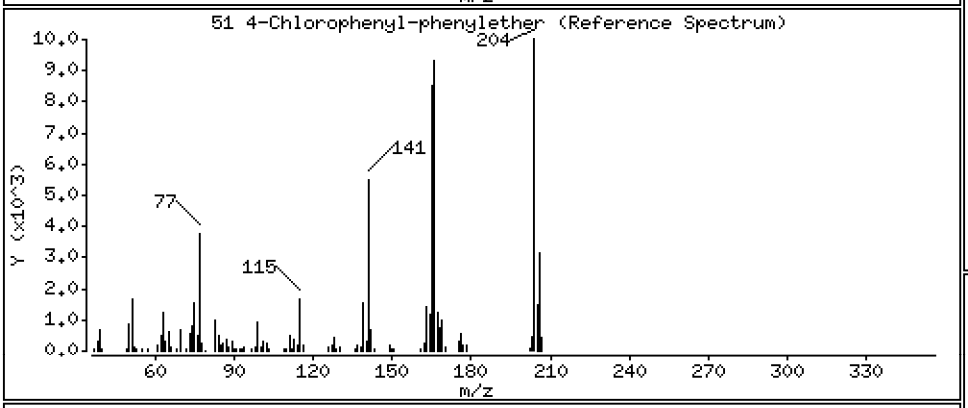
Concentration: 4.649 ug/mL

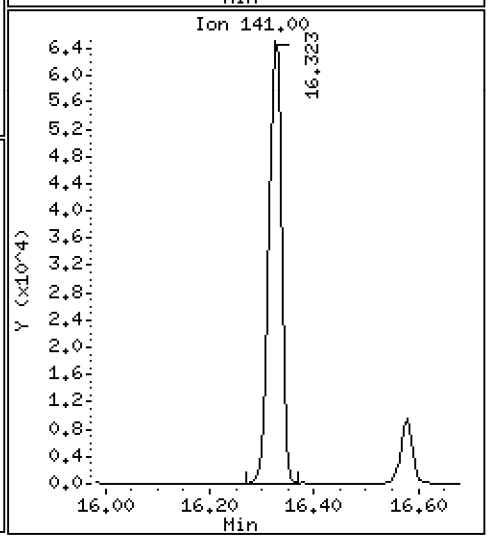


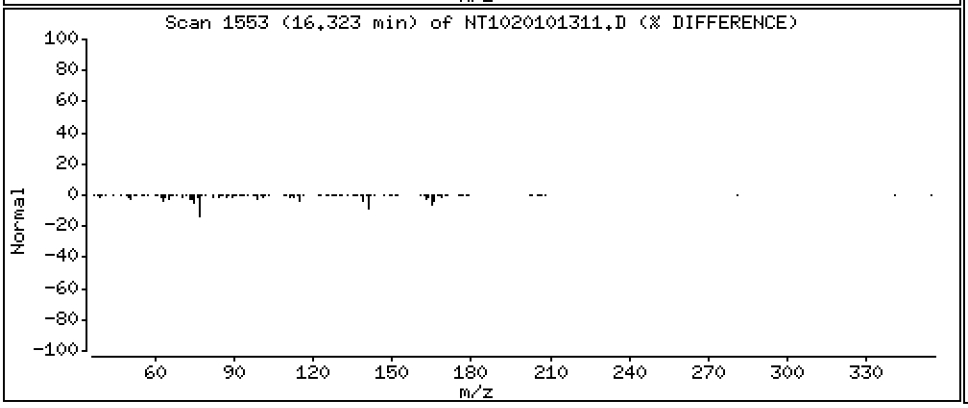












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

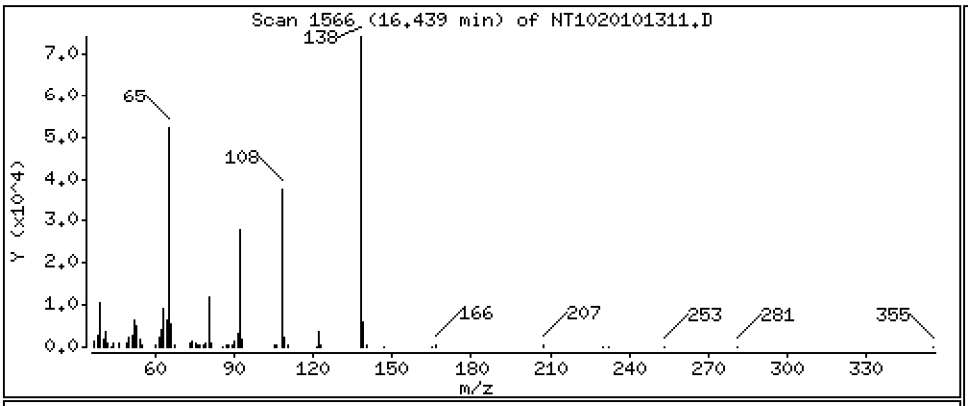
Operator: VTS

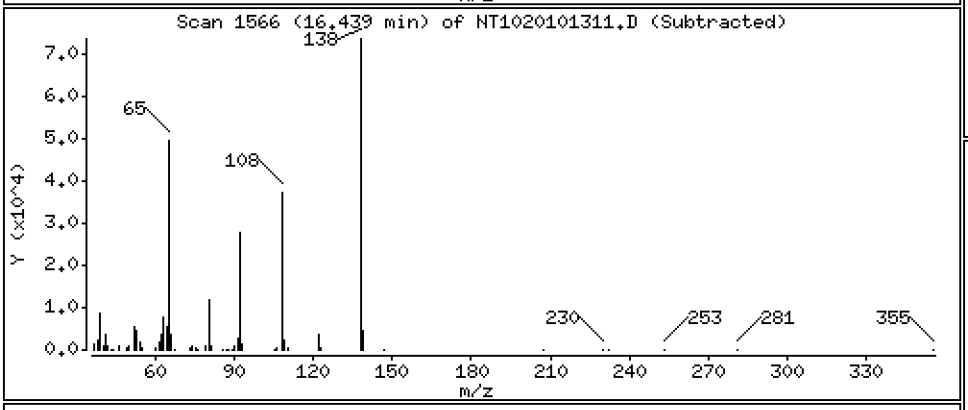
Column phase: ZB-5msi

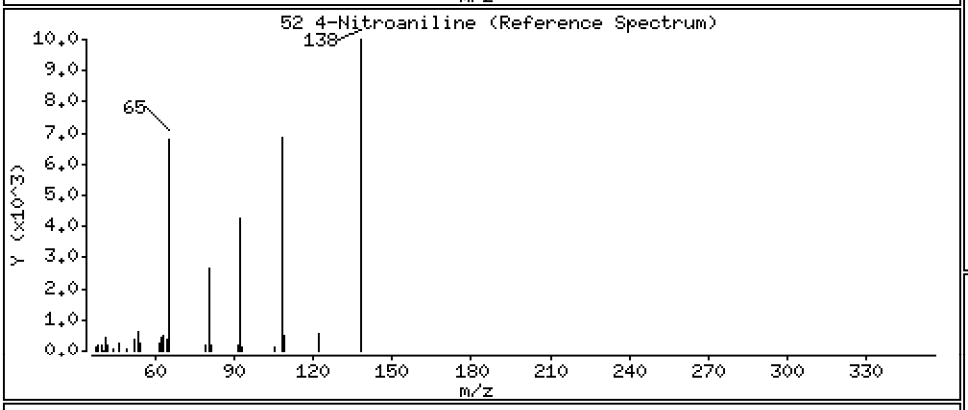
Column diameter: 0.25

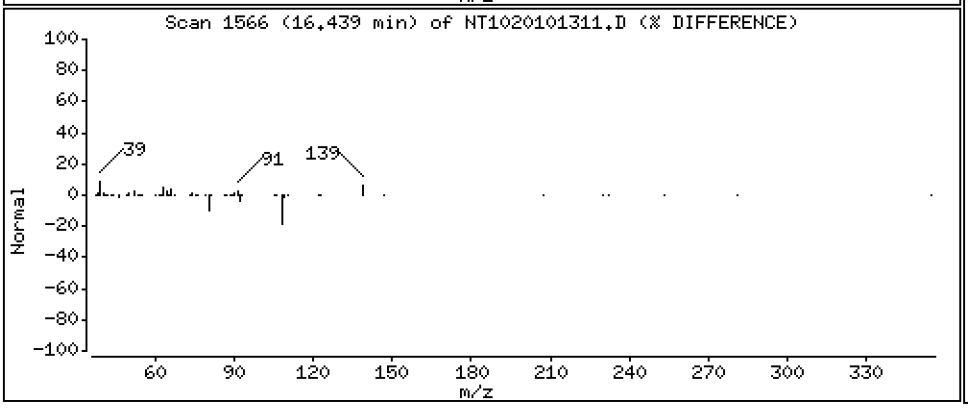
52 4-Nitroaniline

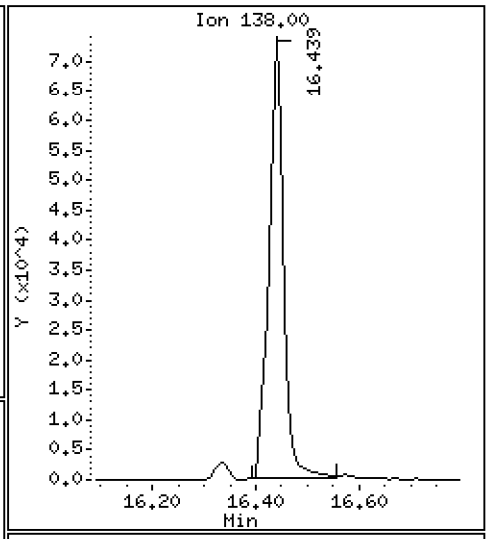
Concentration: 4.934 ug/mL

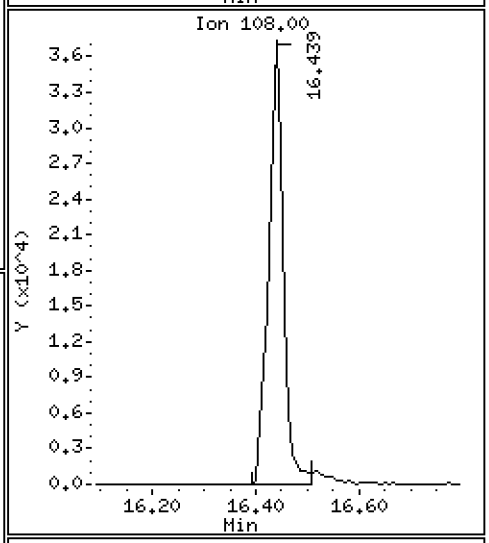


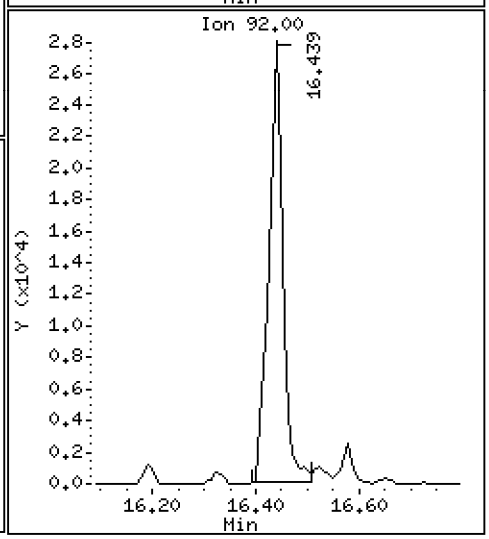












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

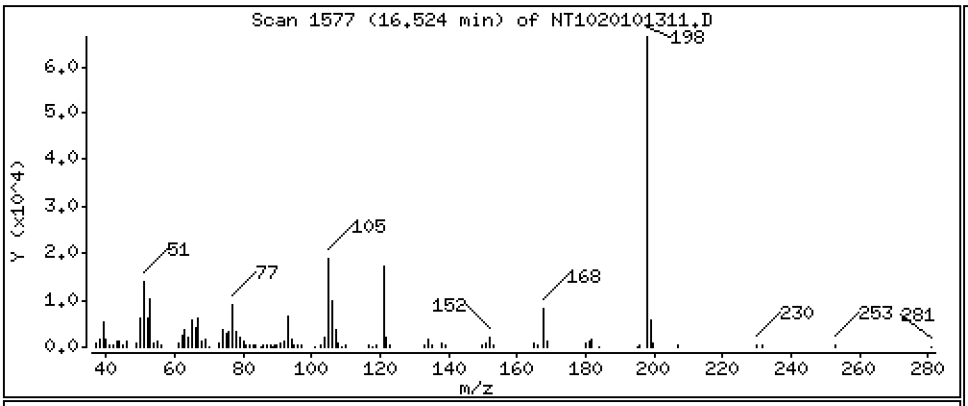
Operator: VTS

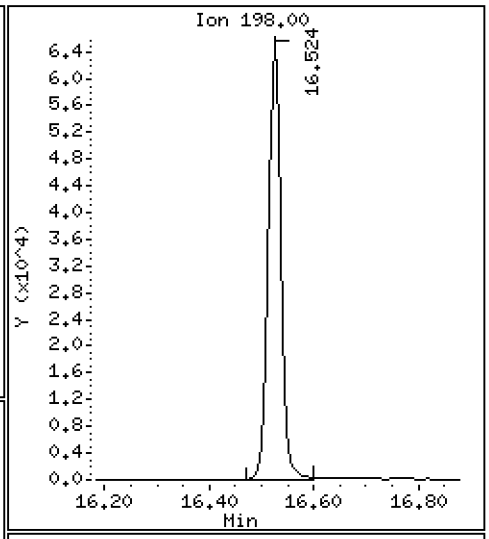
Column phase: ZB-5msi

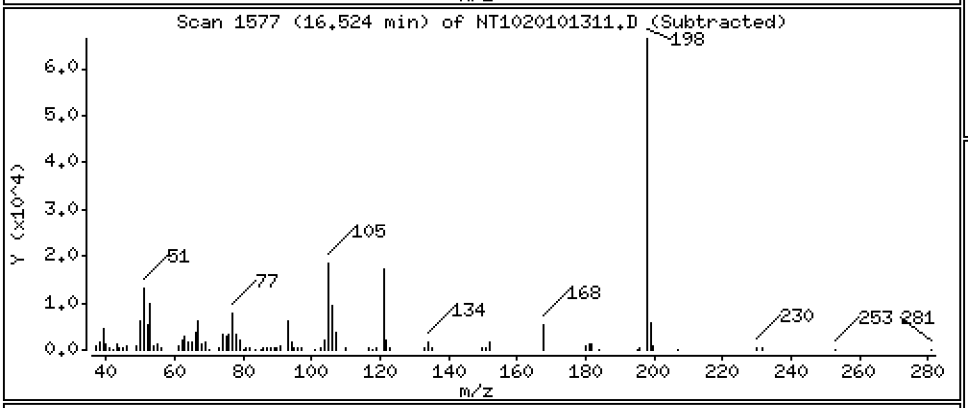
Column diameter: 0.25

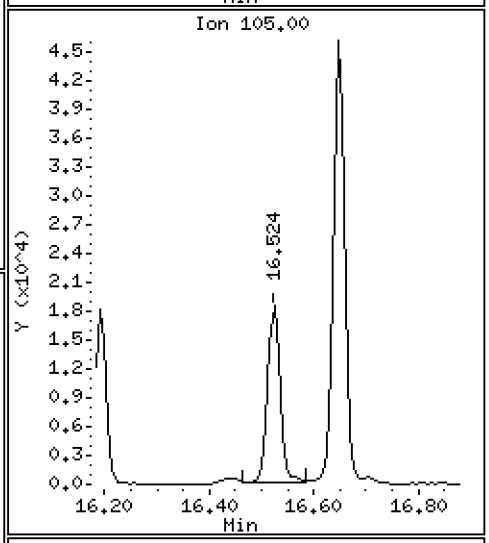
53 4,6-Dinitro-2-methylphenol

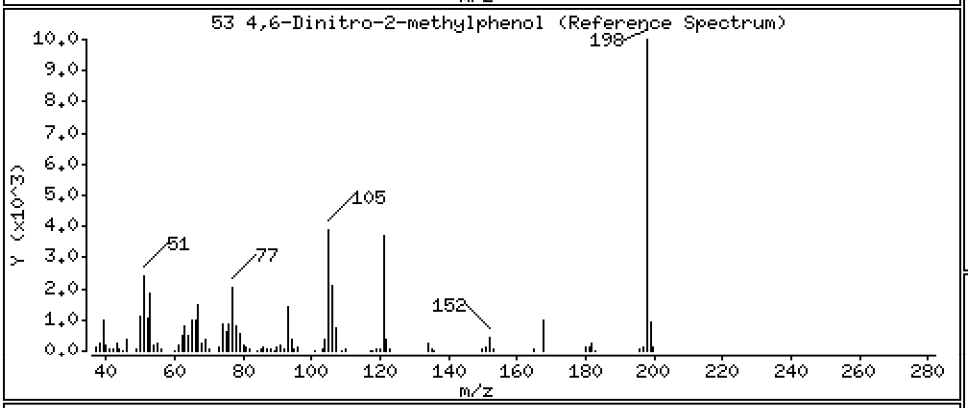
Concentration: 5.023 ug/mL

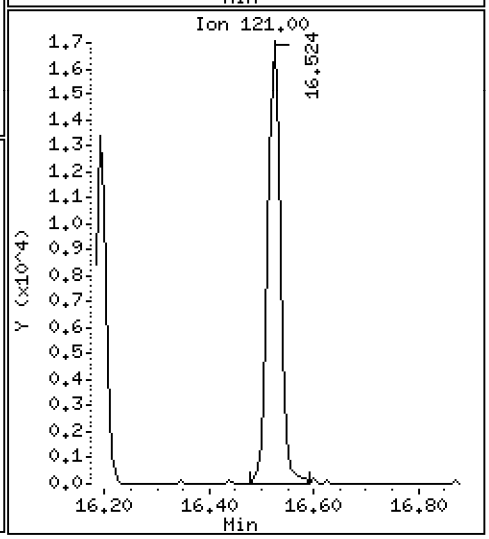


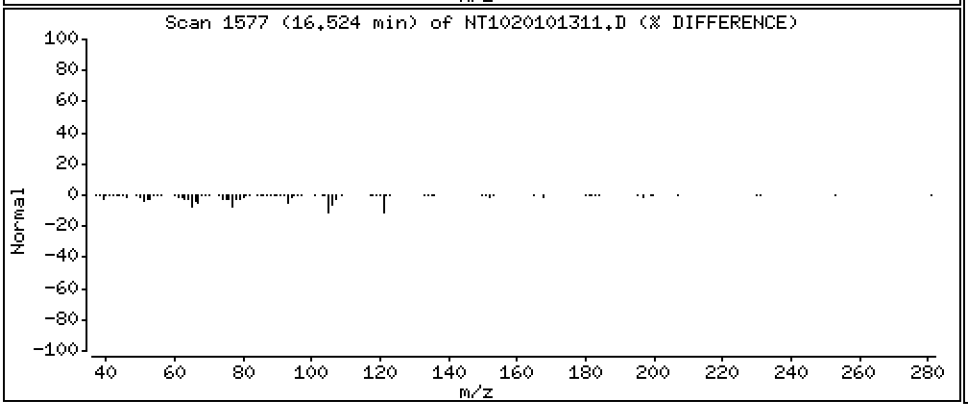












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

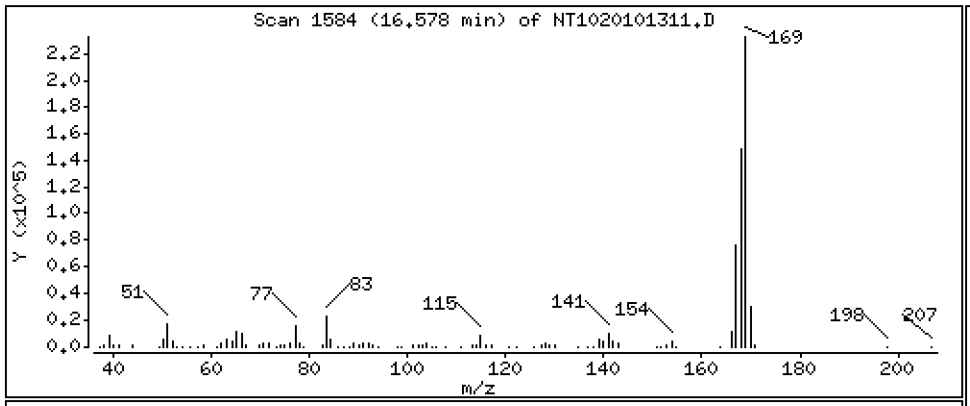
Operator: VTS

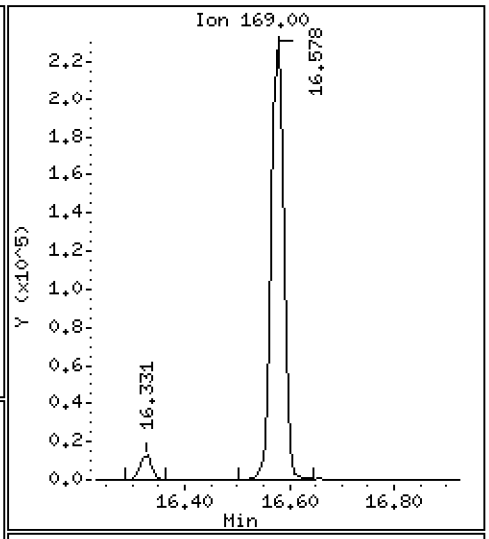
Column phase: ZB-5msi

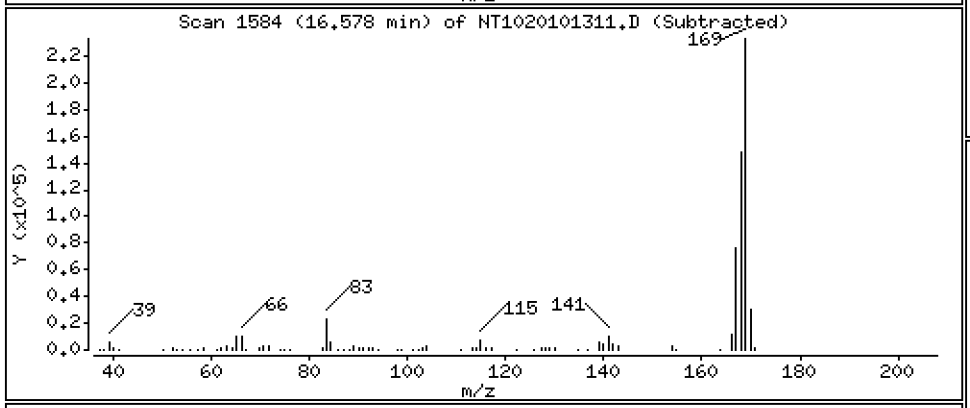
Column diameter: 0.25

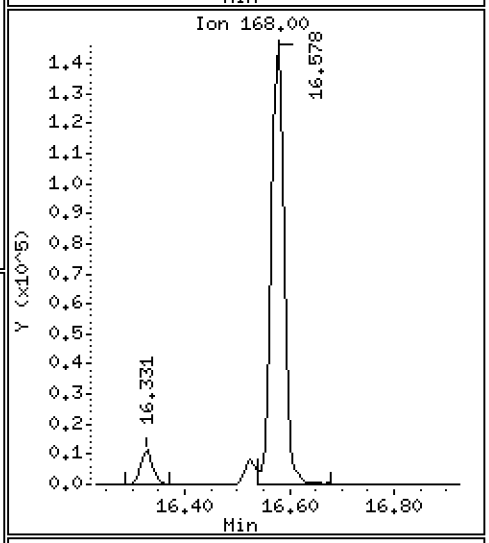
54 N-Nitrosodiphenylamine

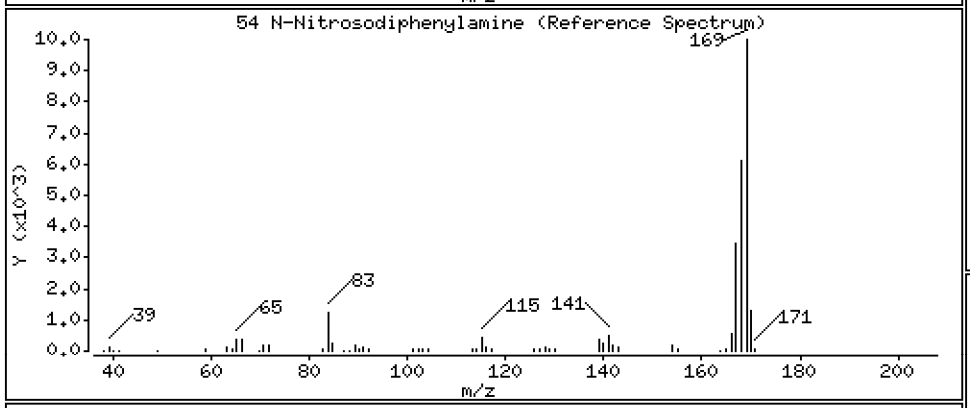
Concentration: 6.354 ug/mL

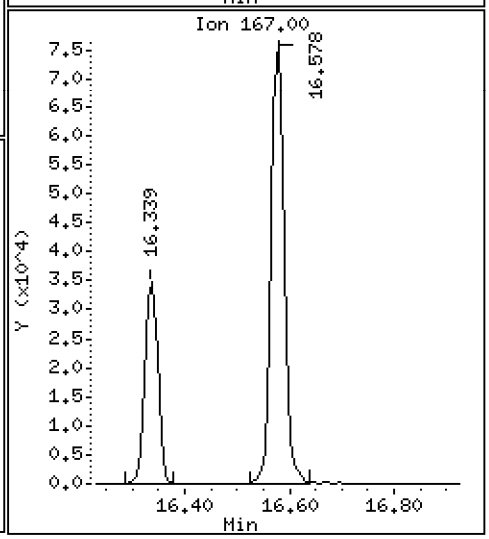


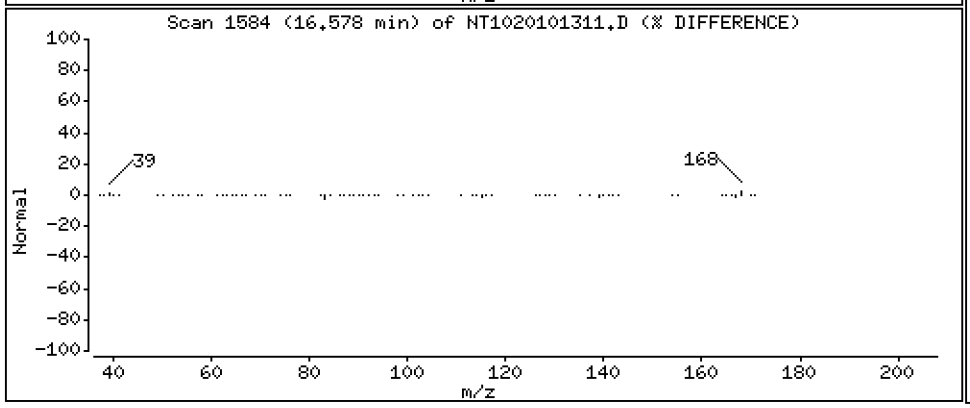












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

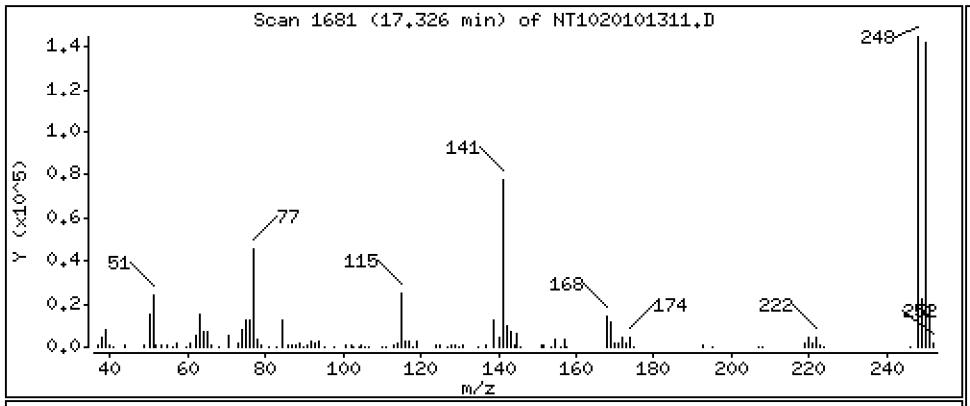
Operator: VTS

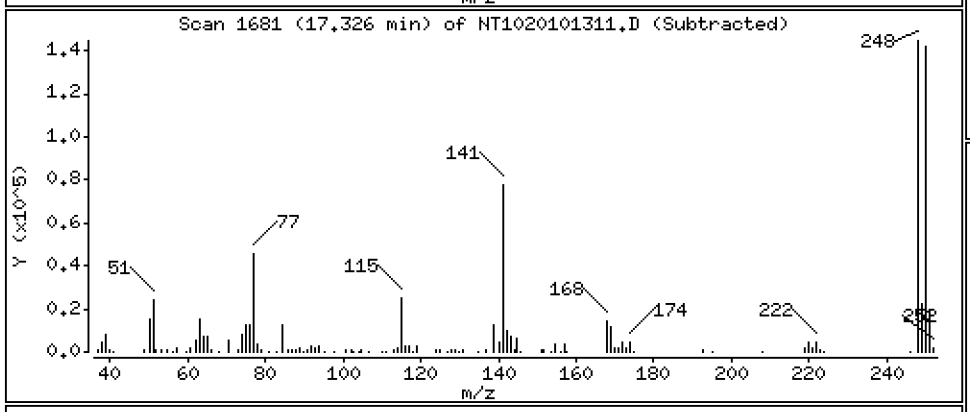
Column phase: ZB-5msi

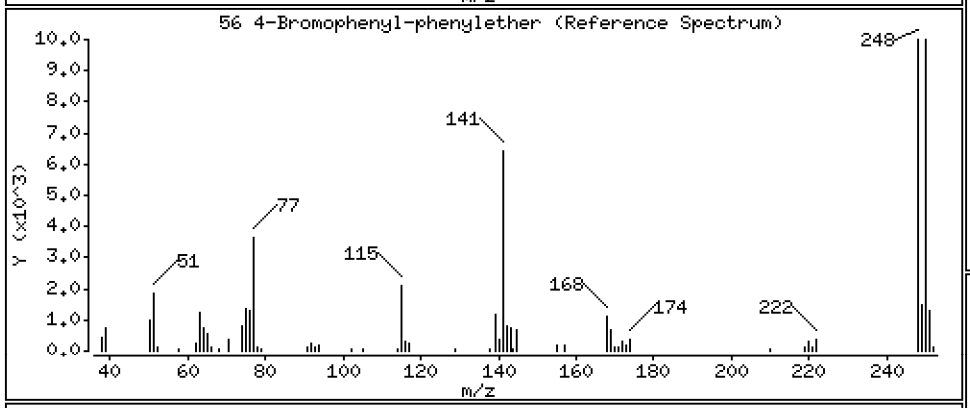
Column diameter: 0.25

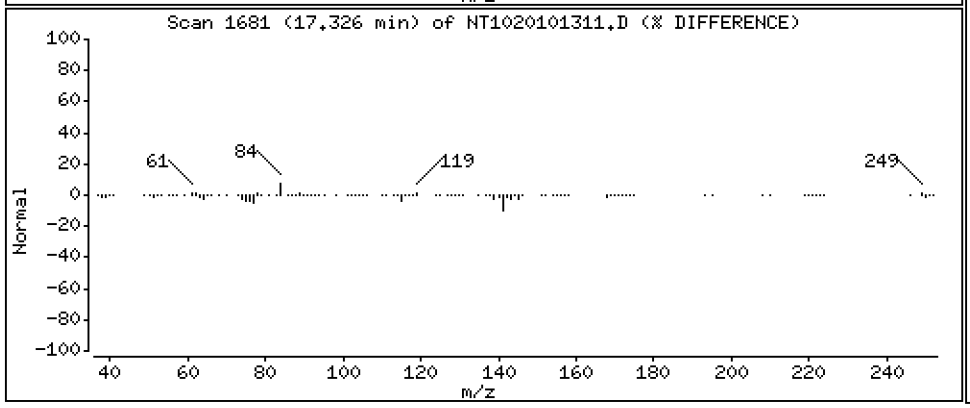
56 4-Bromophenyl-phenylether

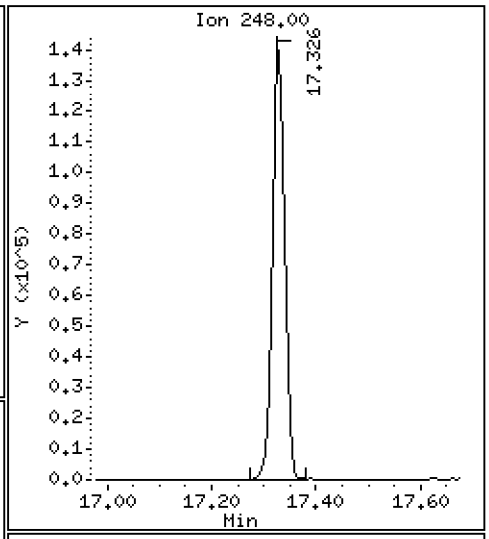
Concentration: 4.864 ug/mL

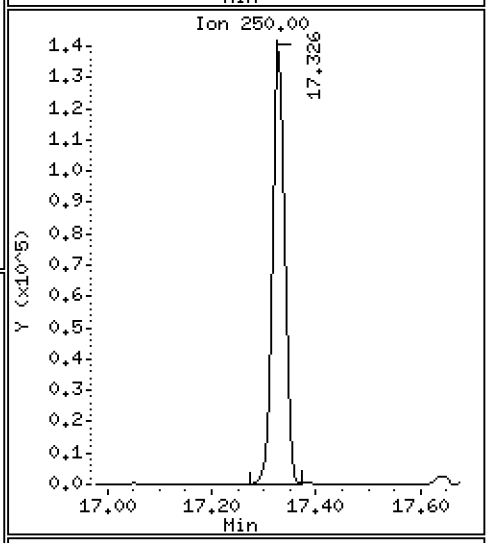


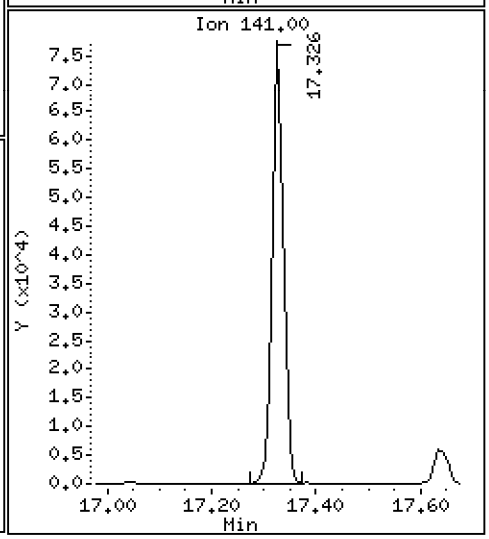












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

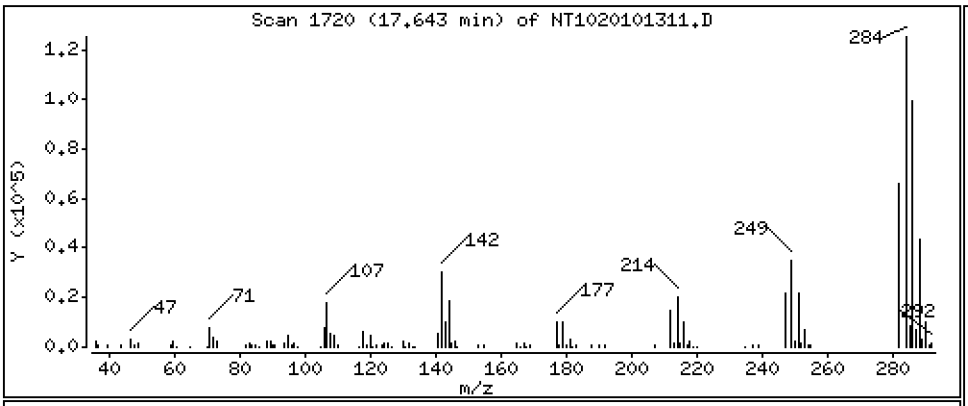
Operator: VTS

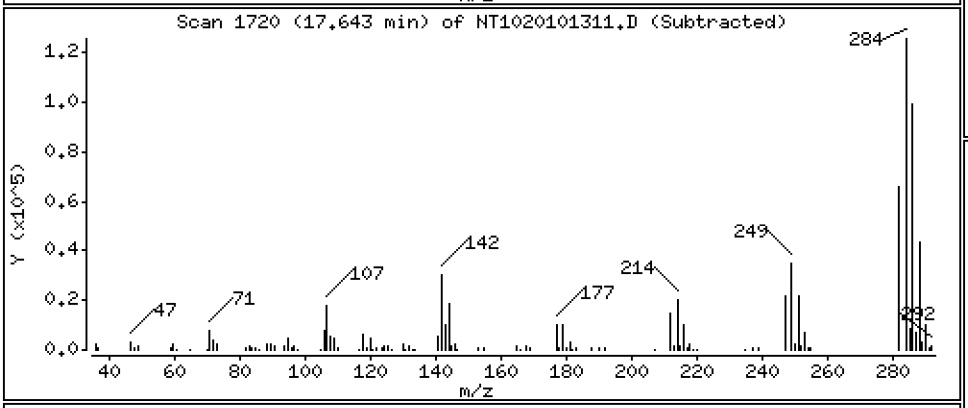
Column phase: ZB-5msi

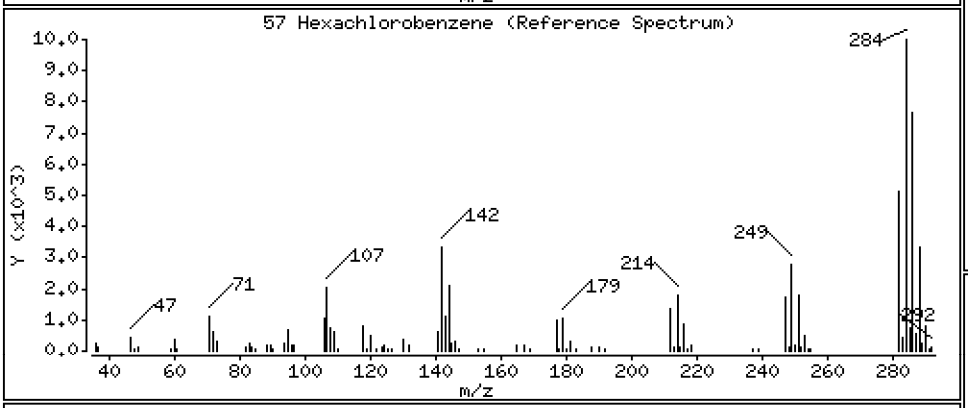
Column diameter: 0.25

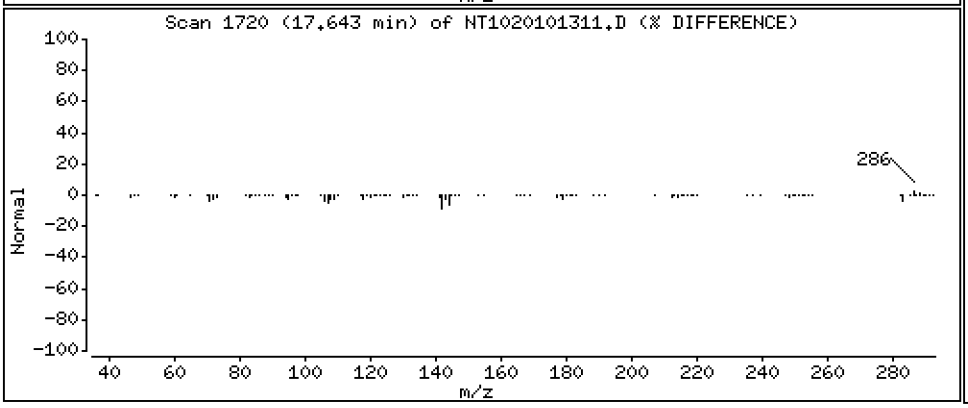
57 Hexachlorobenzene

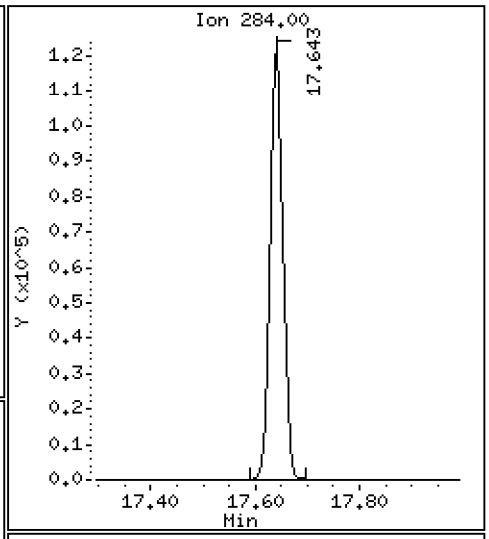
Concentration: 4.505 ug/mL

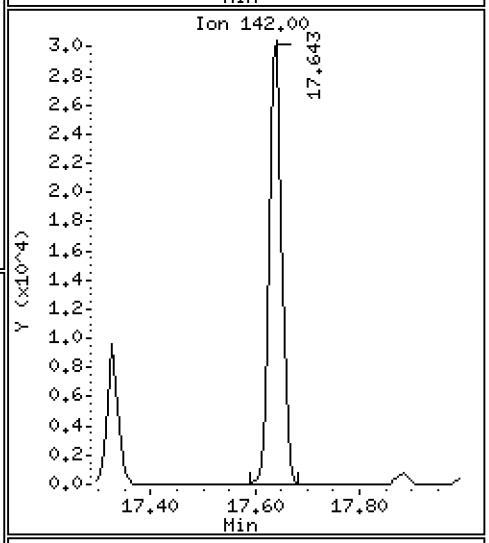


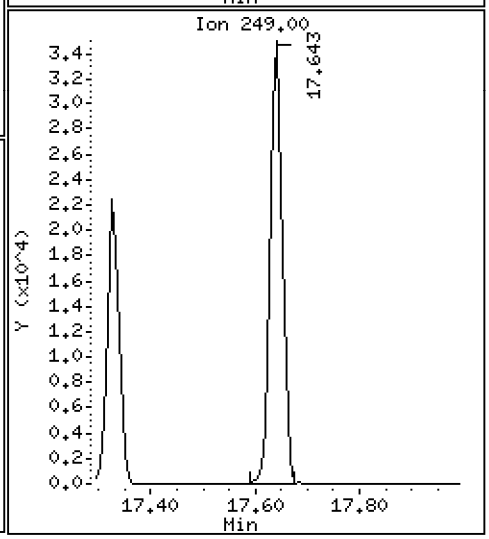












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

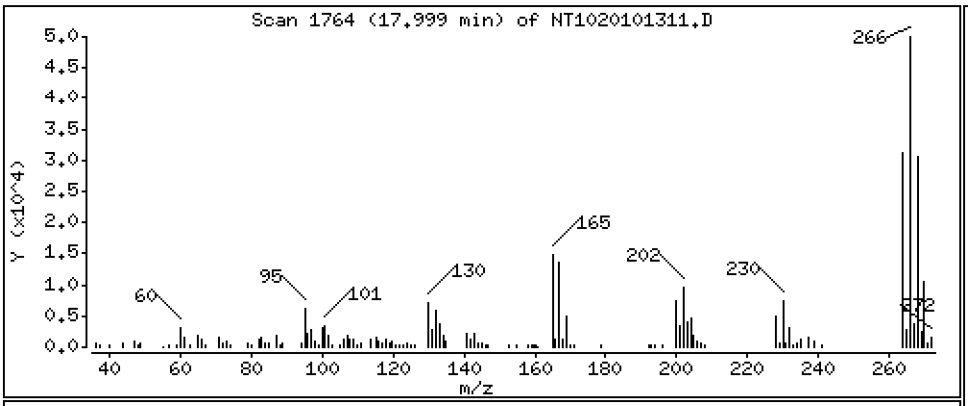
Operator: VTS

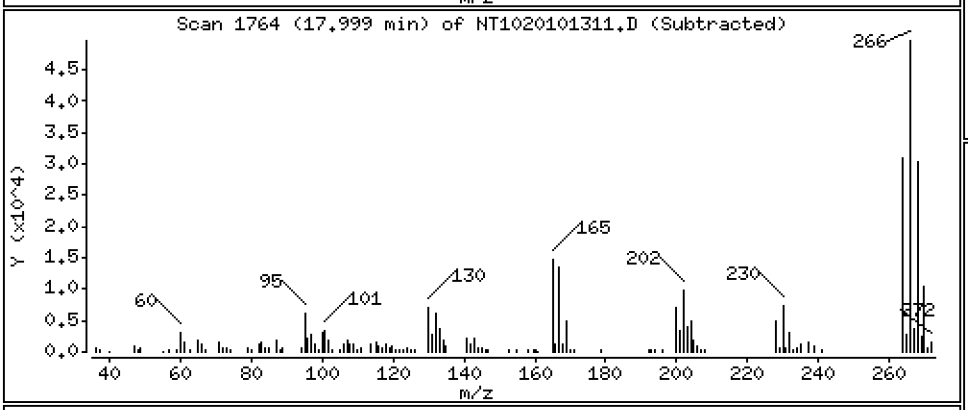
Column phase: ZB-5msi

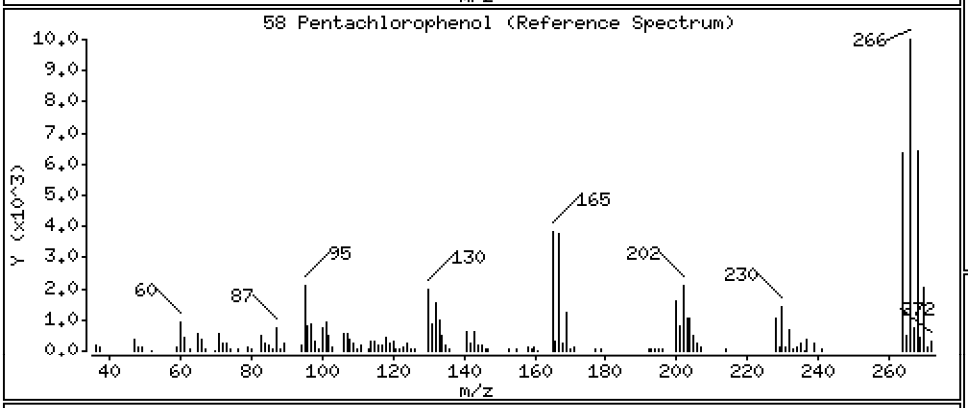
Column diameter: 0.25

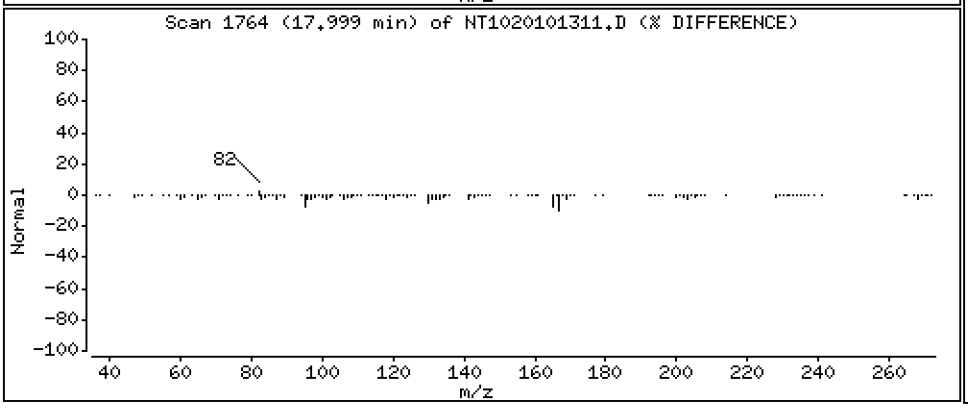
58 Pentachlorophenol

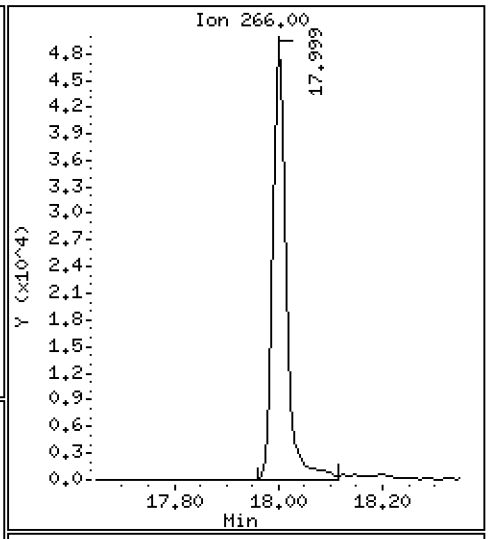
Concentration: 4.289 ug/mL

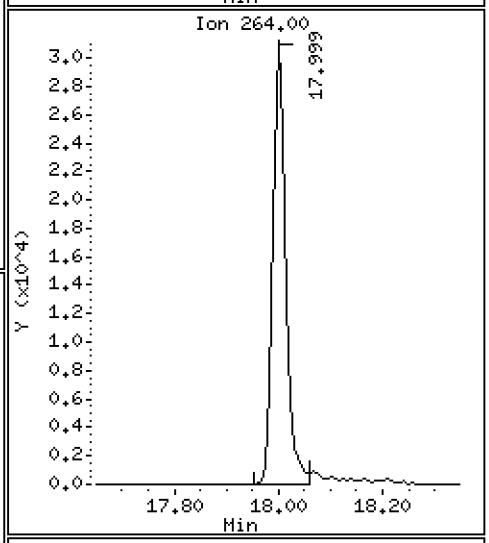


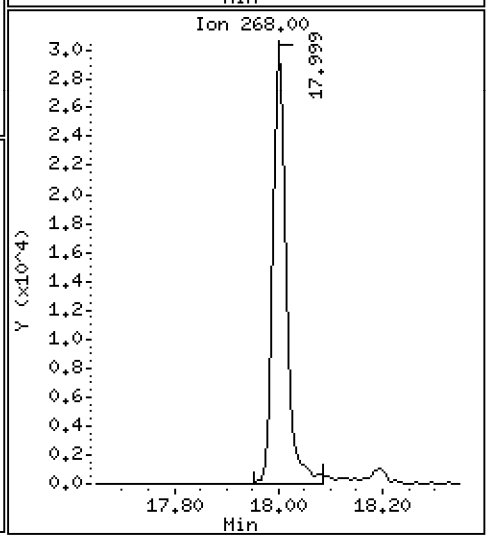












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

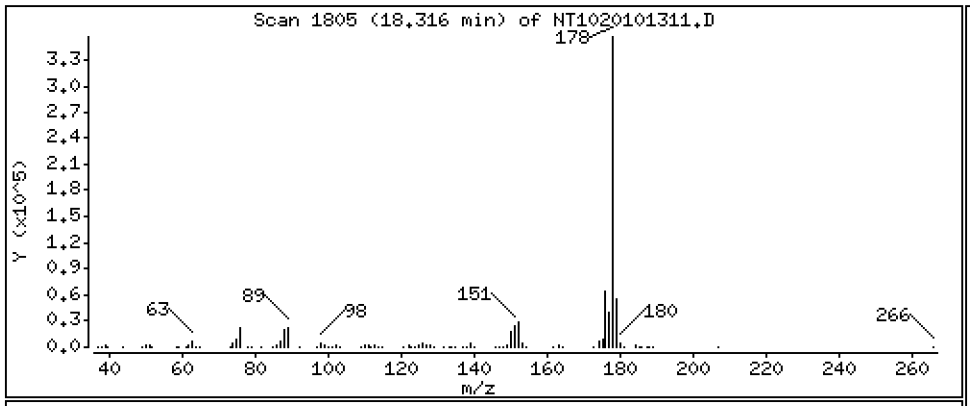
Operator: VTS

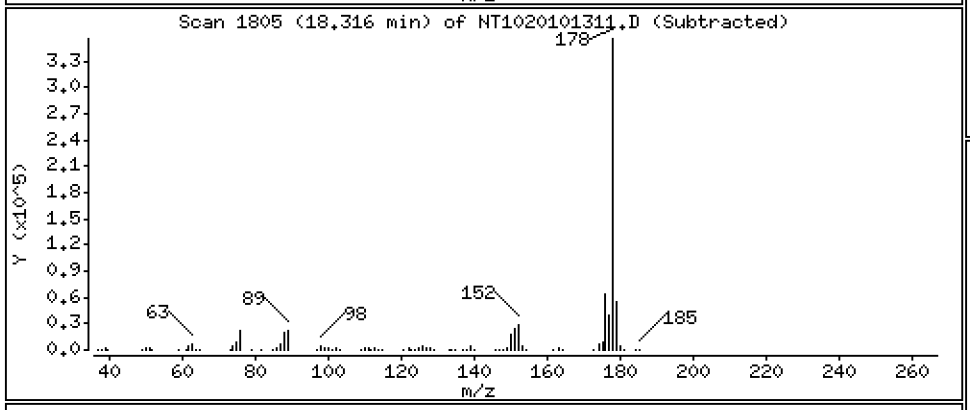
Column phase: ZB-5msi

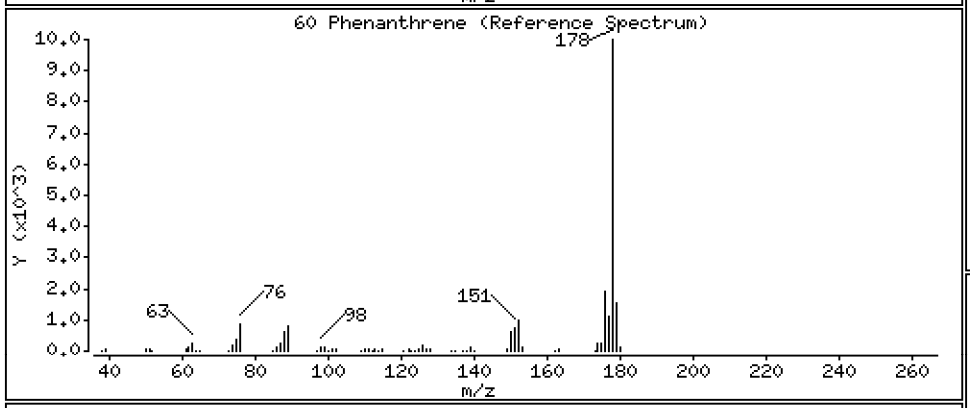
Column diameter: 0.25

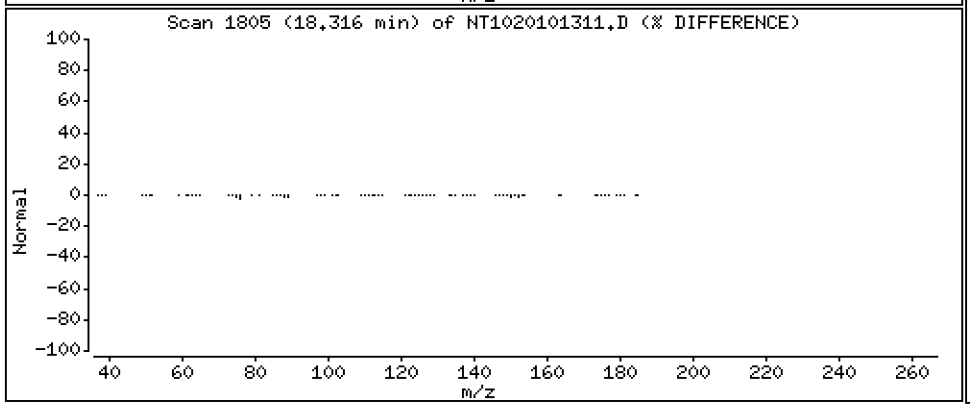
60 Phenanthrene

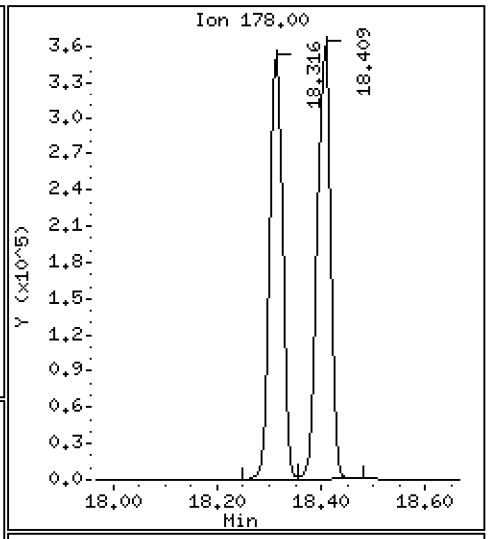
Concentration: 4.927 ug/mL

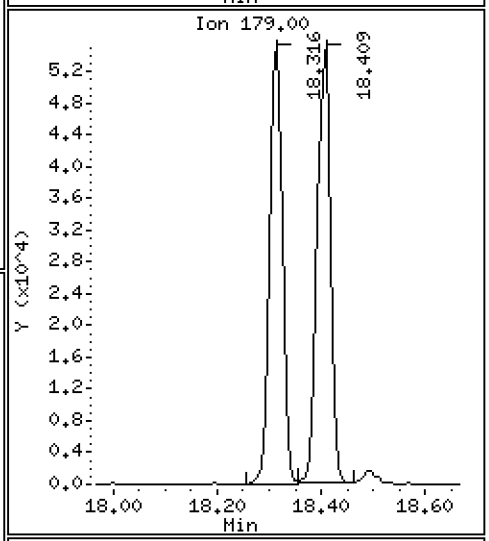


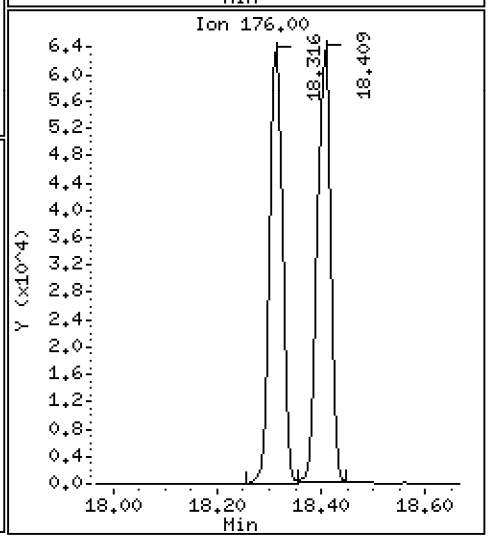












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

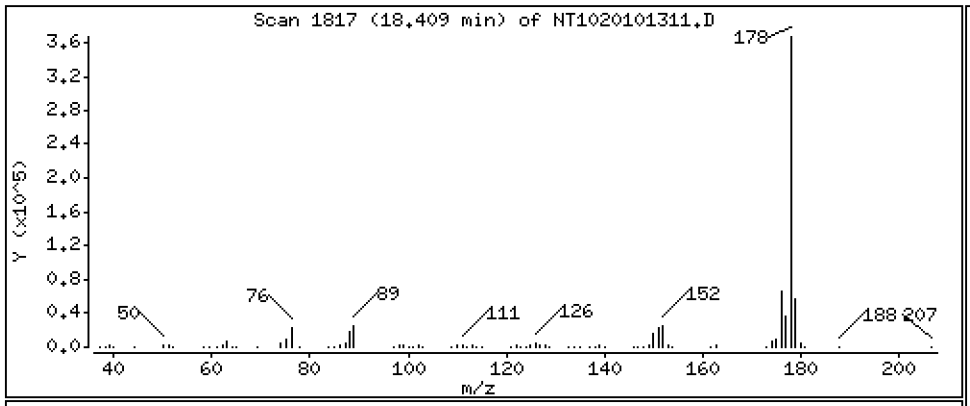
Operator: VTS

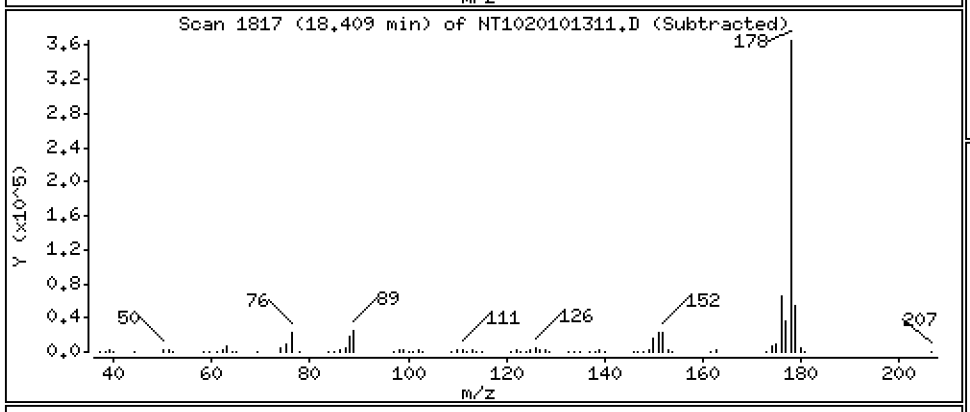
Column phase: ZB-5msi

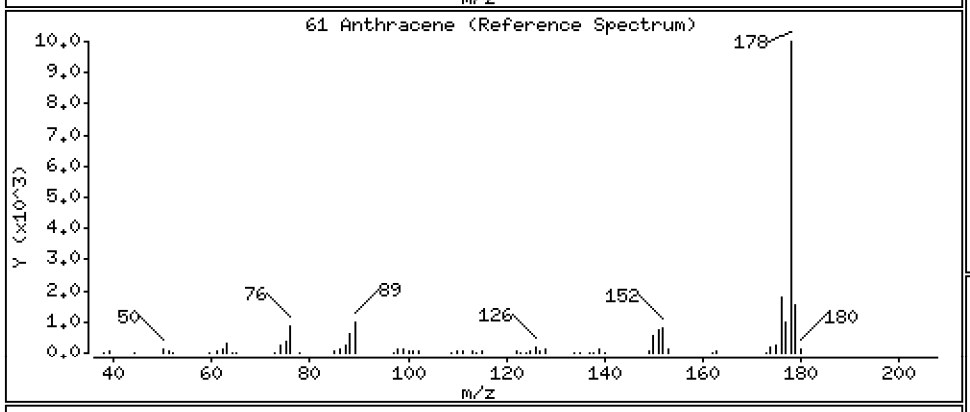
Column diameter: 0.25

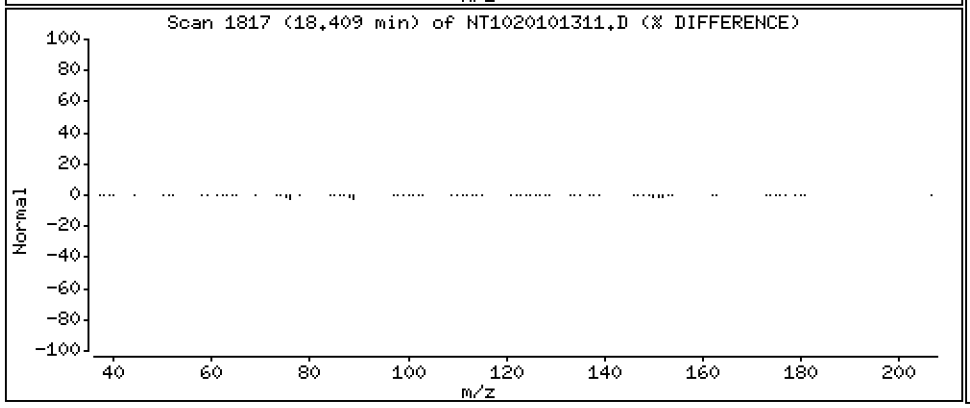
61 Anthracene

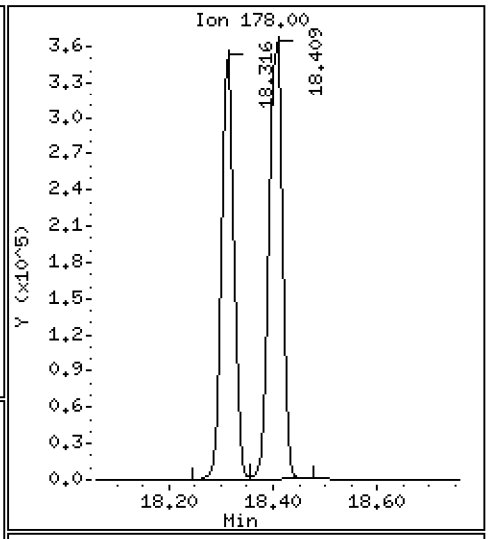
Concentration: 4.794 ug/mL

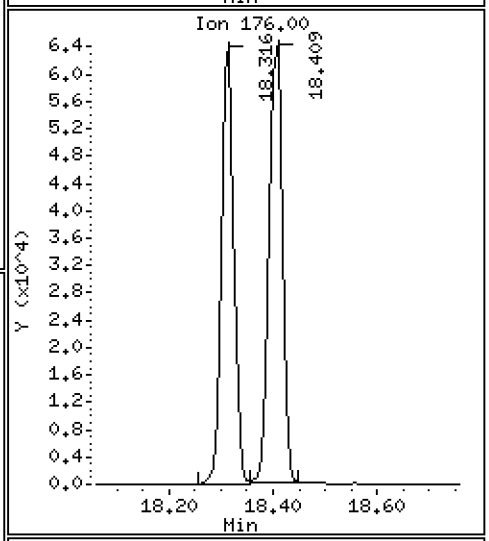


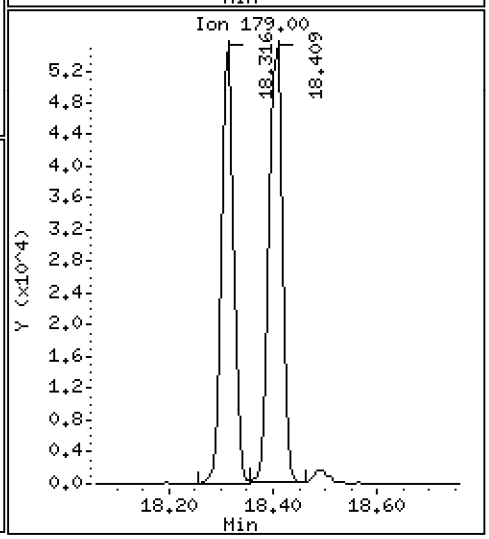












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

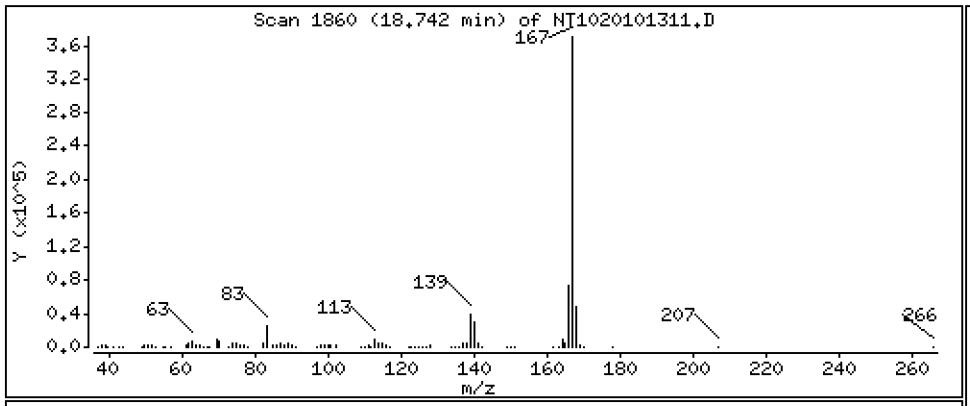
Operator: VTS

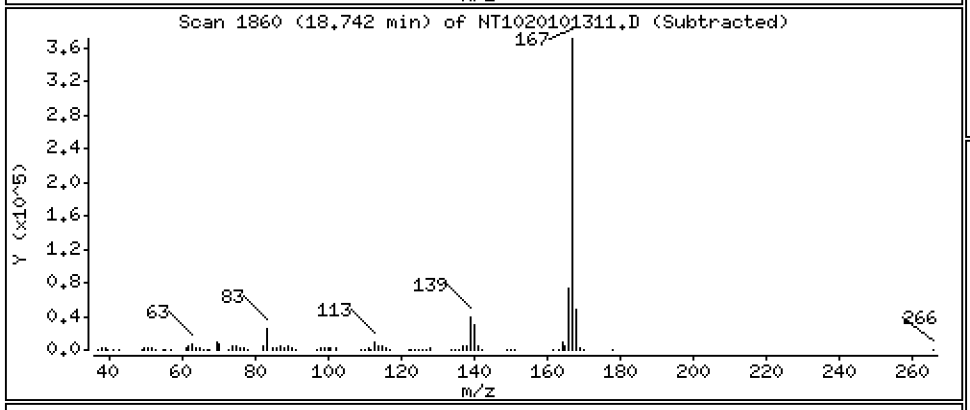
Column phase: ZB-5msi

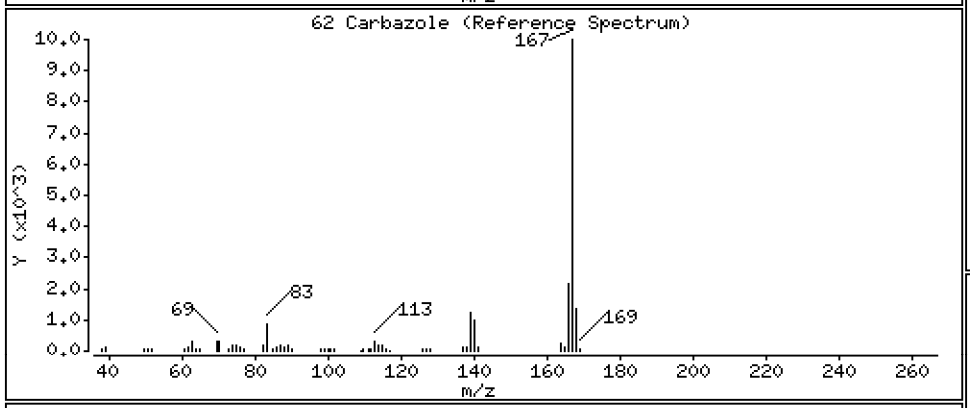
Column diameter: 0.25

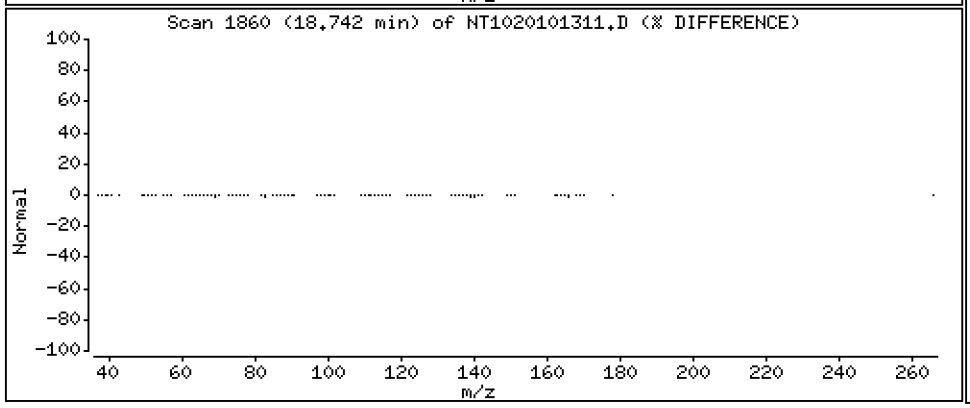
62 Carbazole

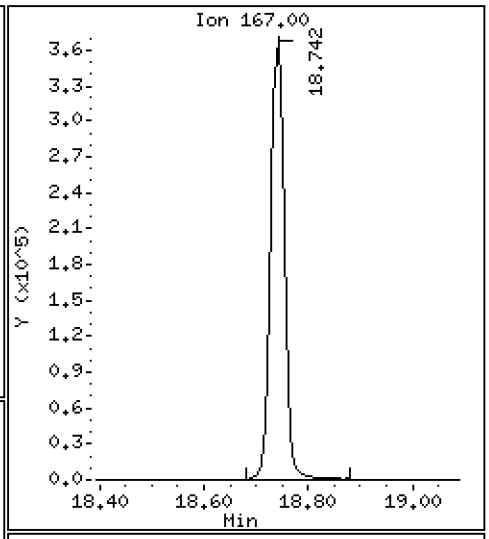
Concentration: 5.036 ug/mL

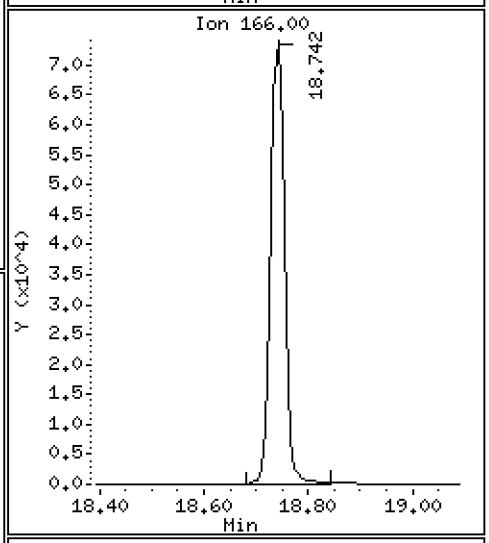


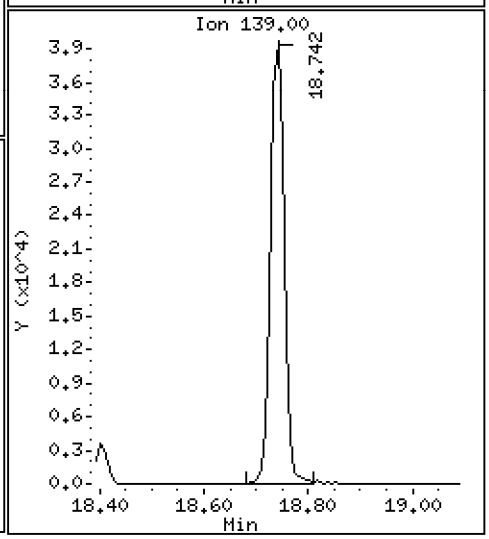












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

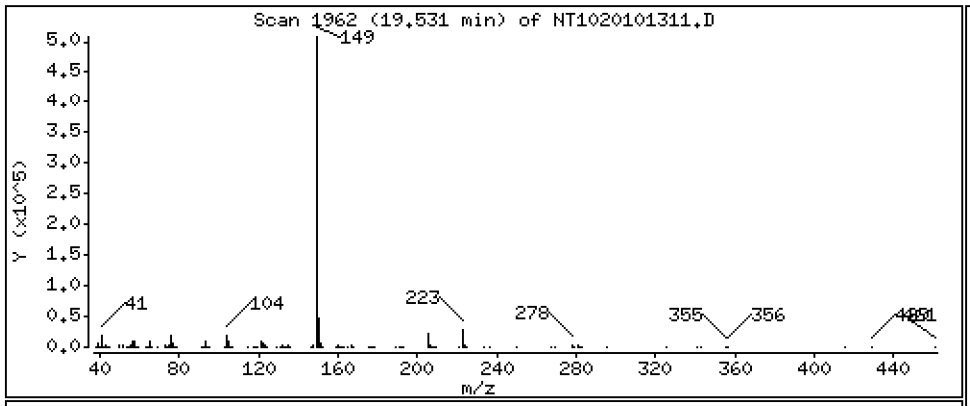
Operator: VTS

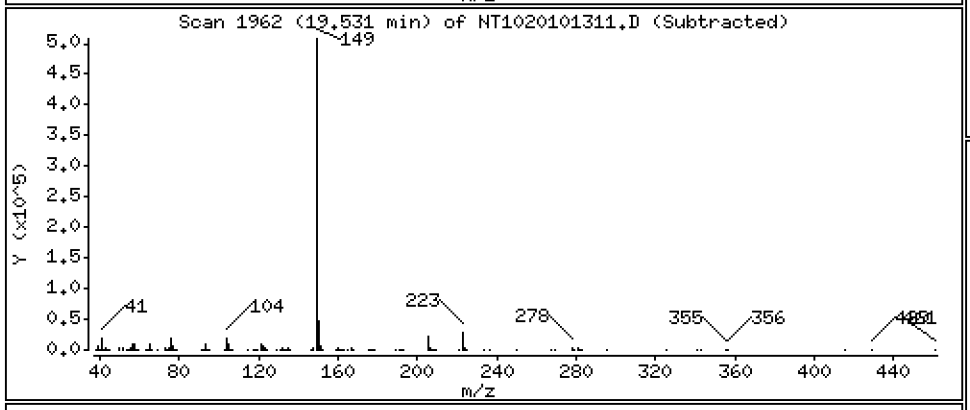
Column phase: ZB-5msi

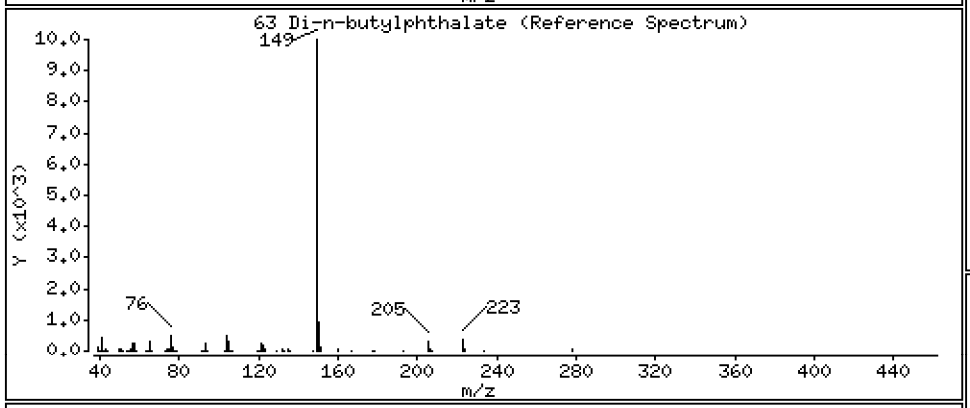
Column diameter: 0.25

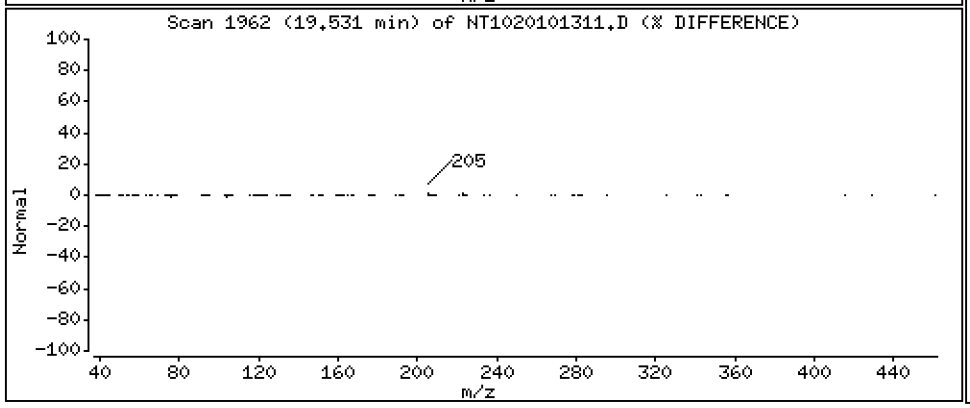
63 Di-n-butylphthalate

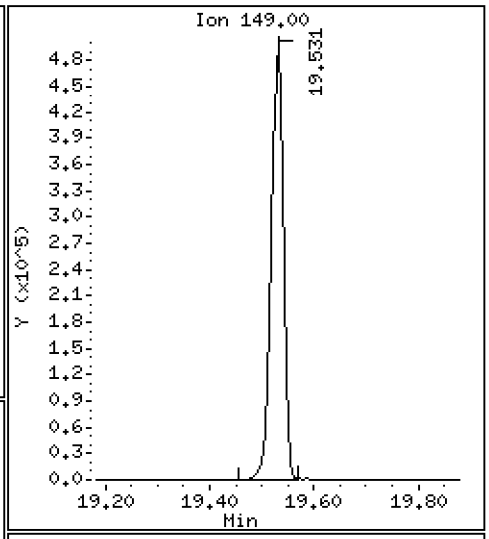
Concentration: 4.800 ug/mL

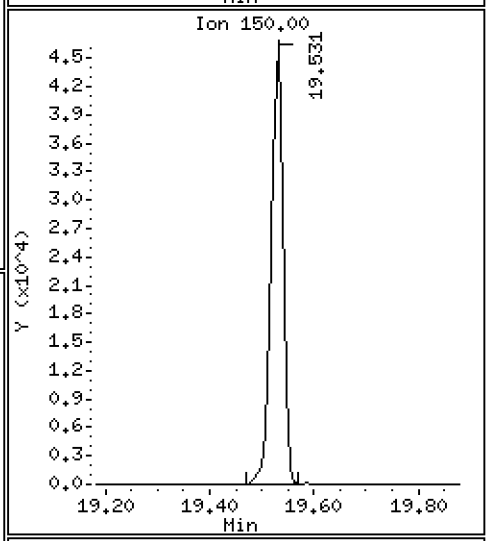


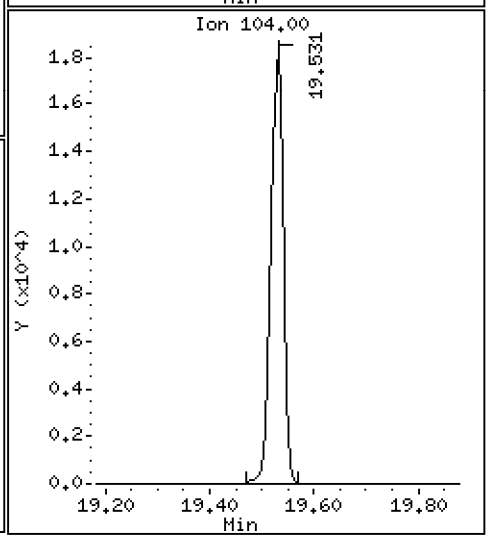












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

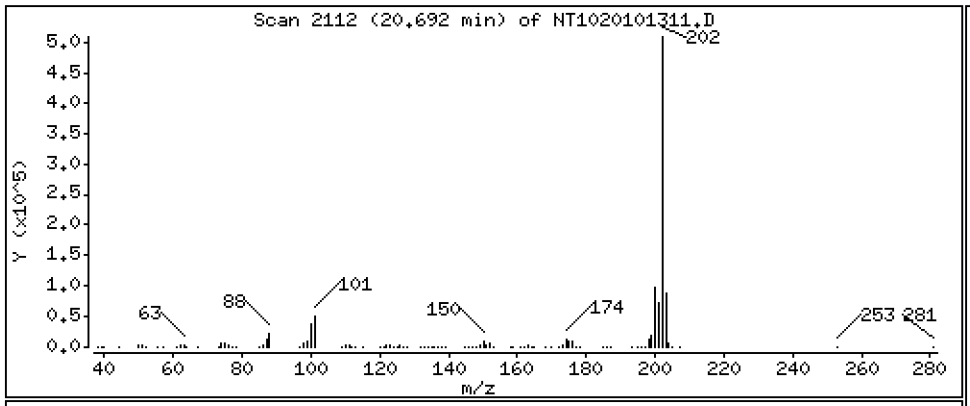
Operator: VTS

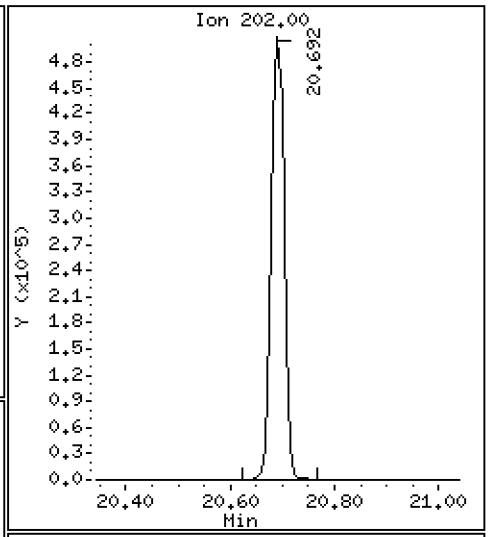
Column phase: ZB-5msi

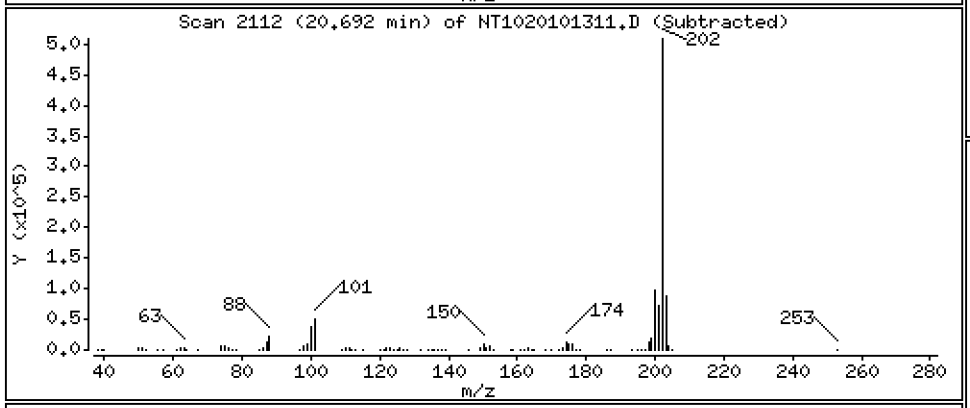
Column diameter: 0.25

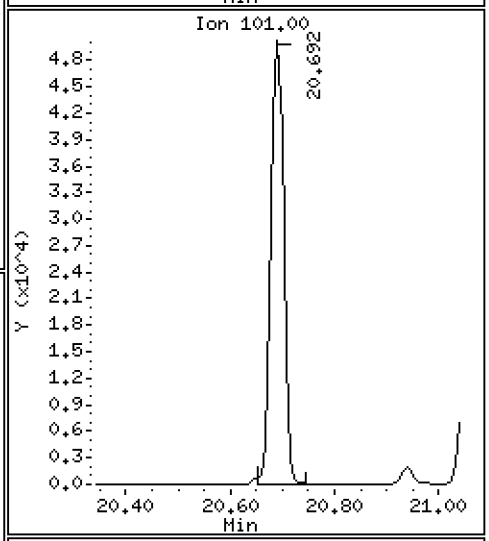
64 Fluoranthene

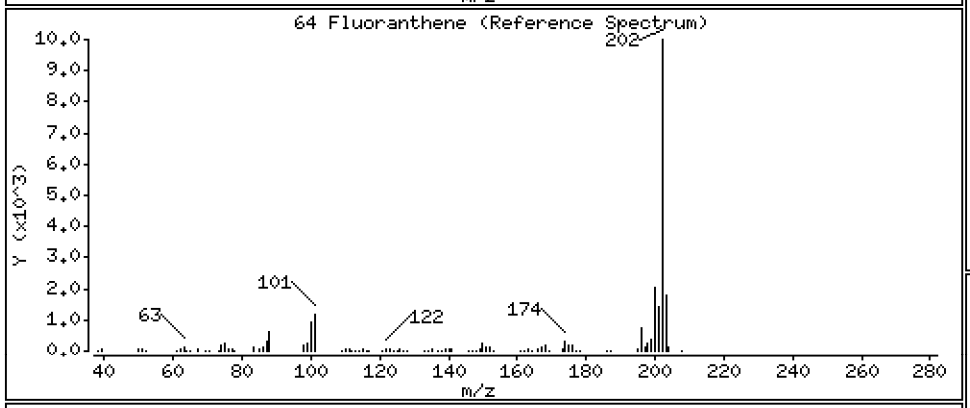
Concentration: 4.693 ug/mL

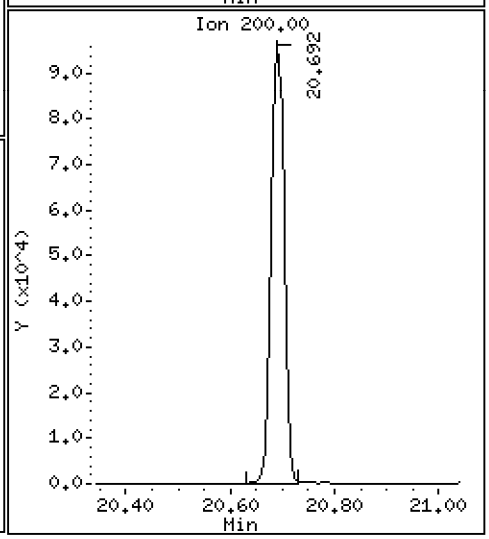


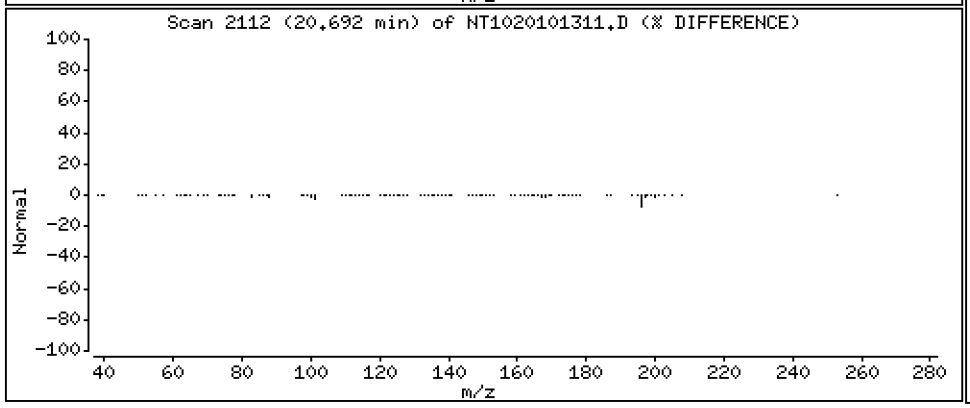












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

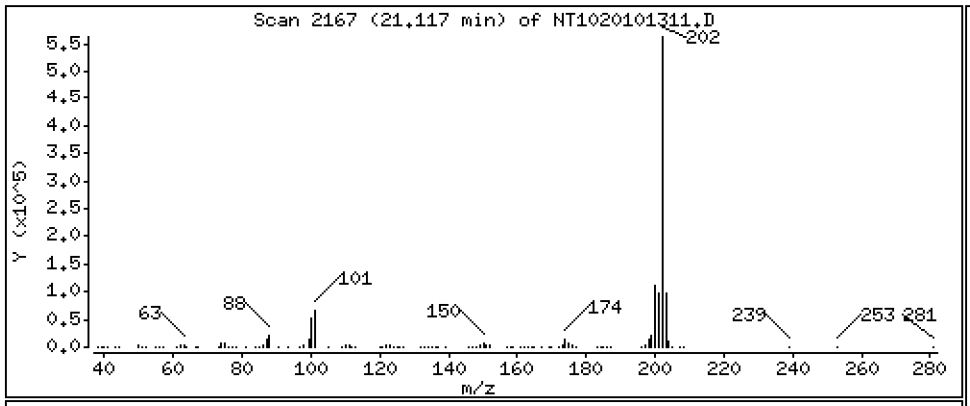
Operator: VTS

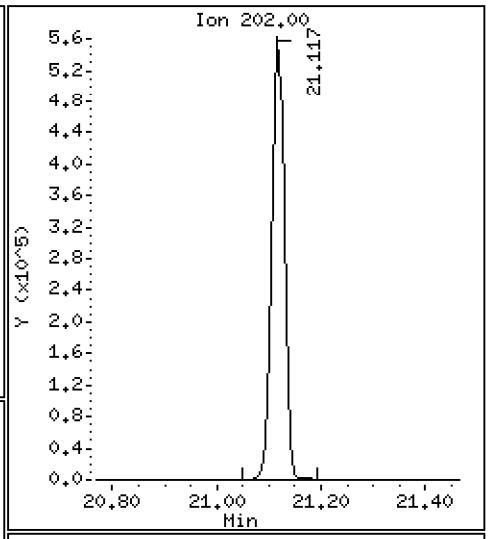
Column phase: ZB-5msi

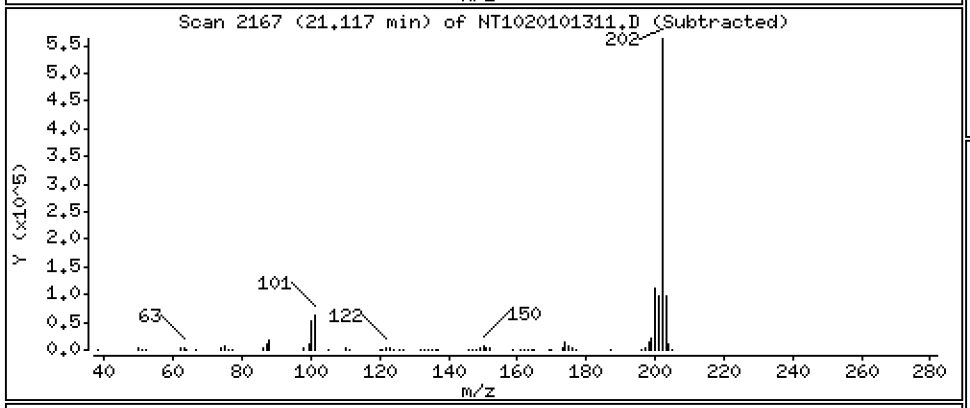
Column diameter: 0.25

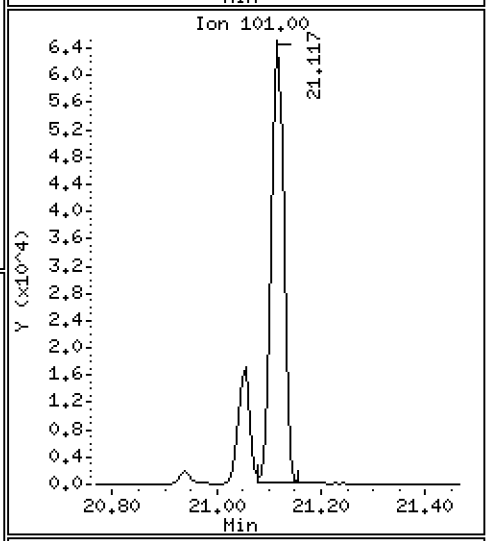
65 Pyrene

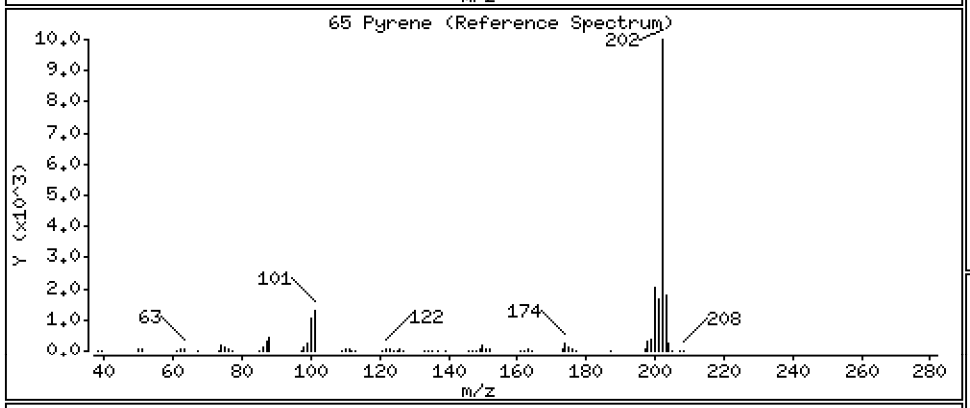
Concentration: 4.802 ug/mL

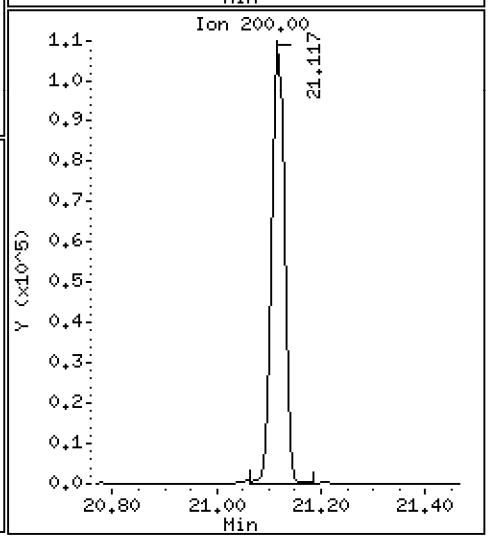


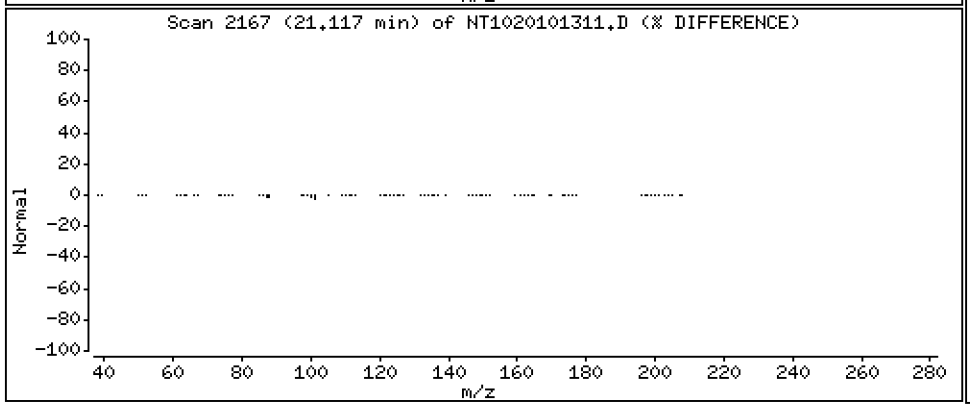












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

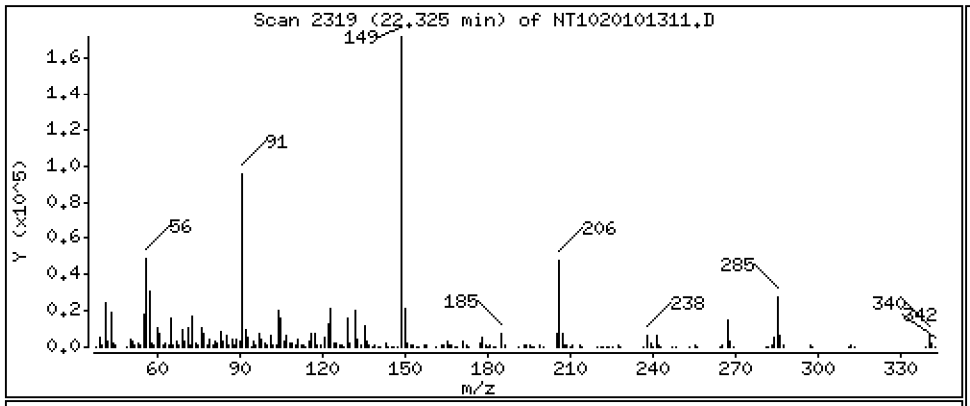
Operator: VTS

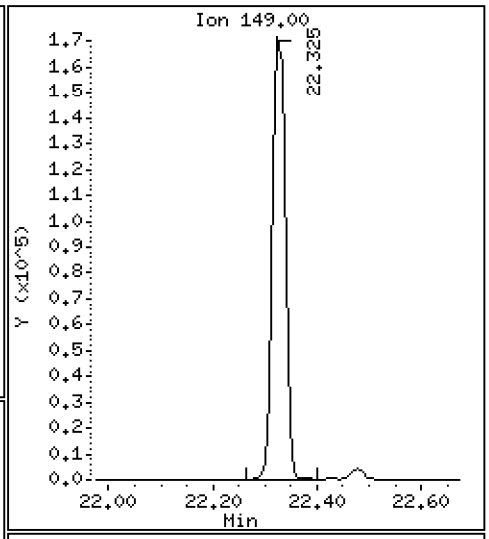
Column phase: ZB-5msi

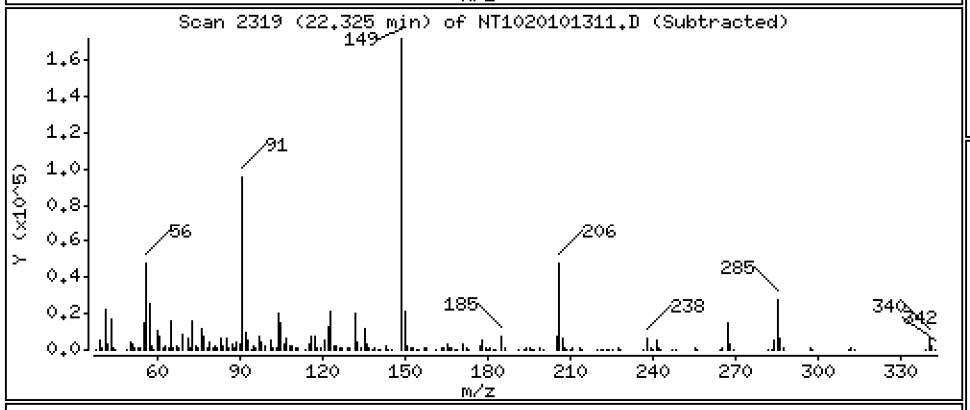
Column diameter: 0.25

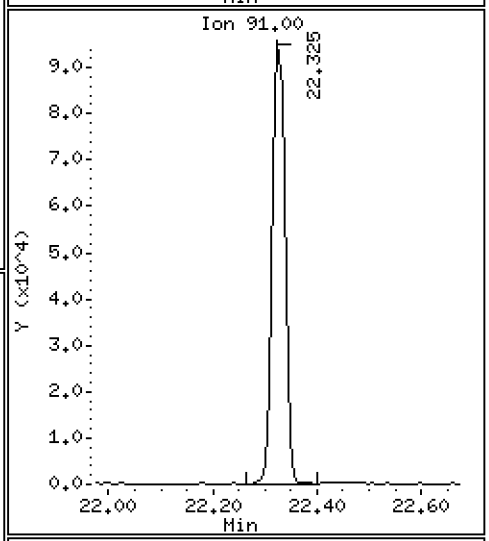
67 Butylbenzylphthalate

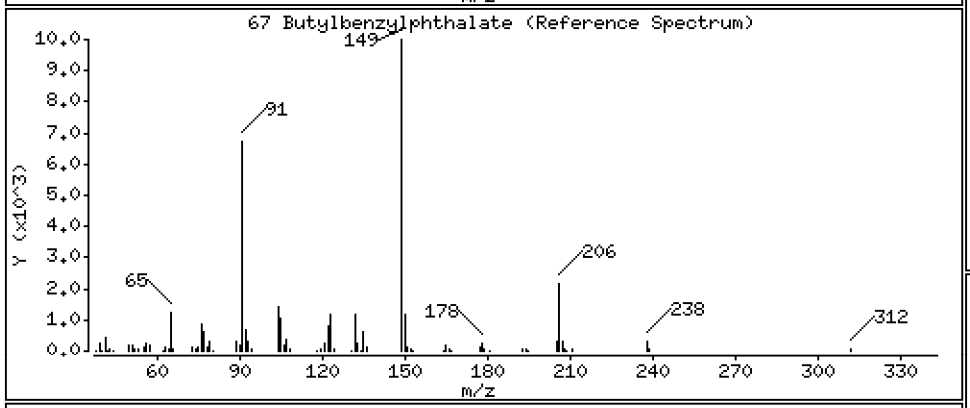
Concentration: 4.876 ug/mL

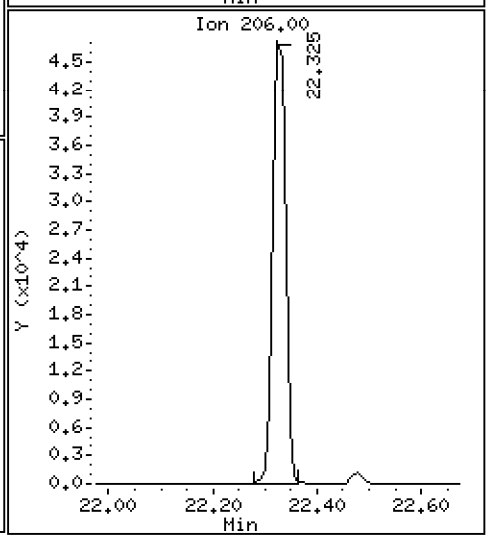


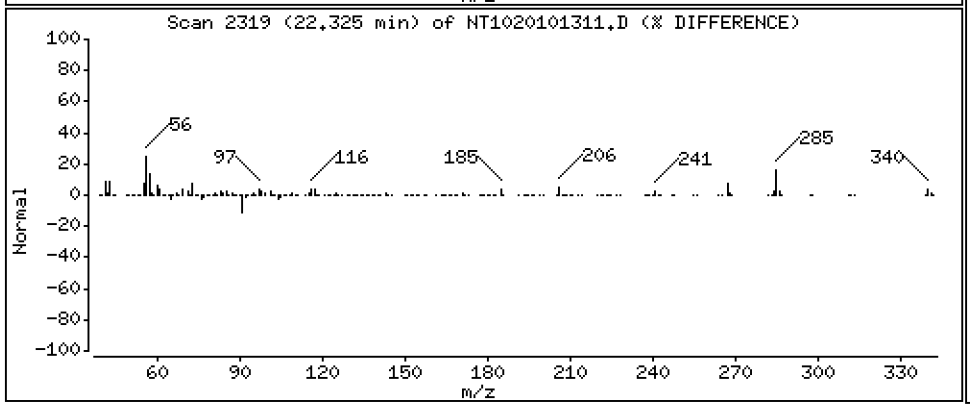












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

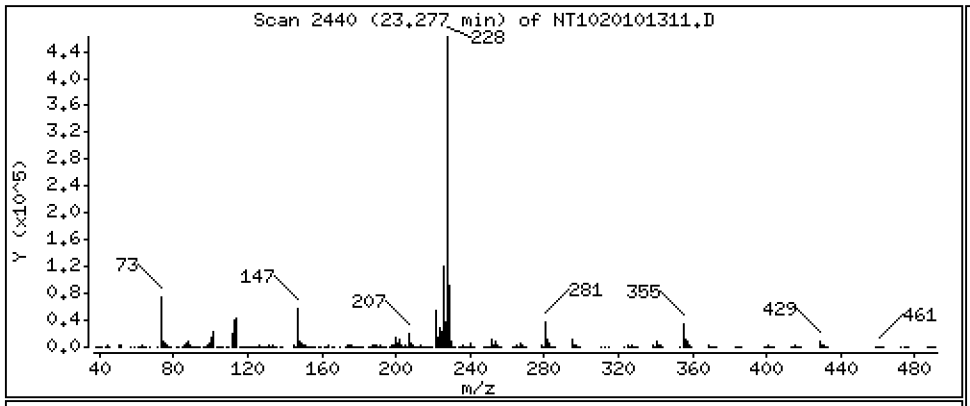
Operator: VTS

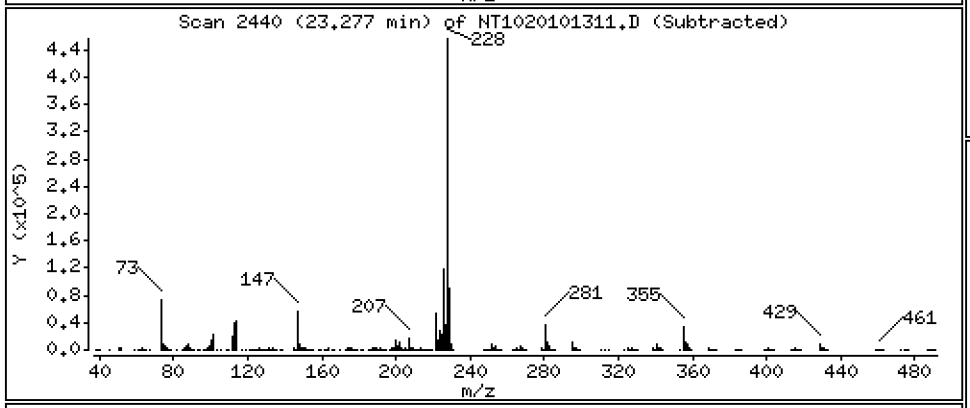
Column phase: ZB-5msi

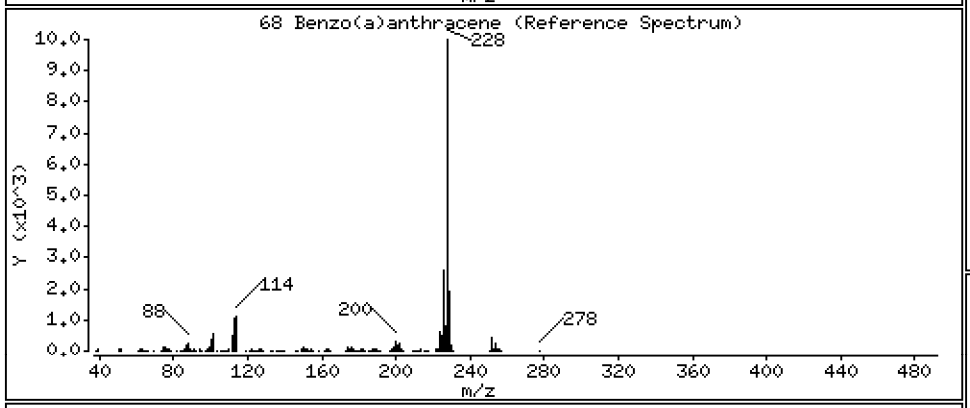
Column diameter: 0.25

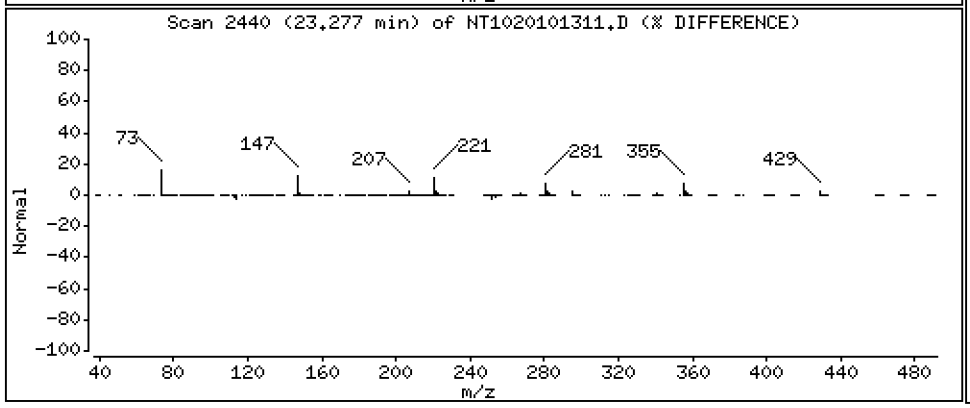
68 Benzo(a)anthracene

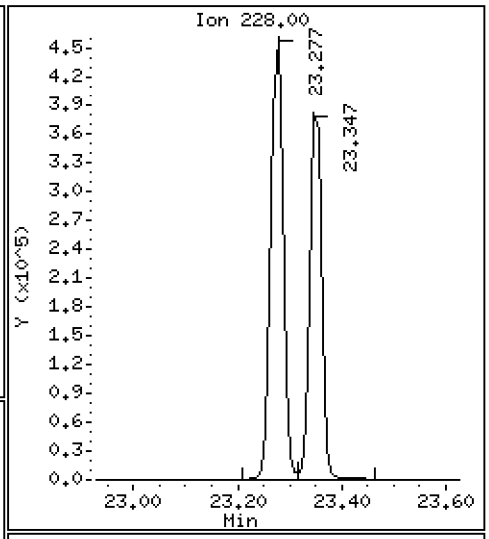
Concentration: 4.683 ug/mL

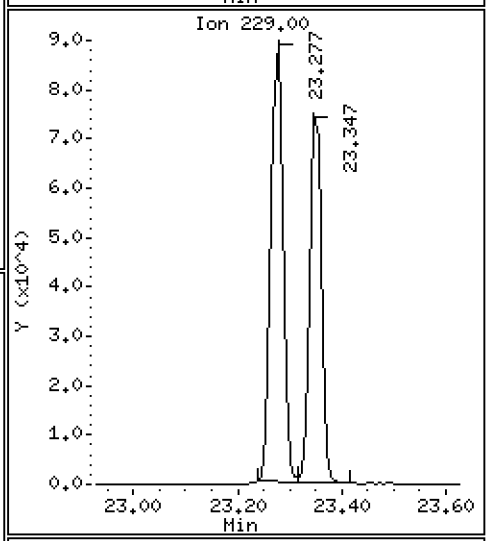


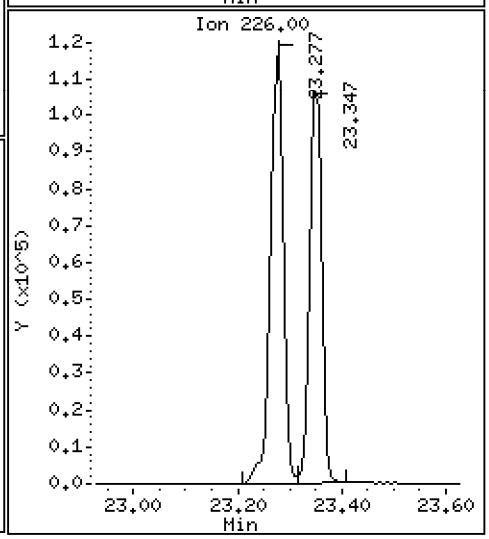












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

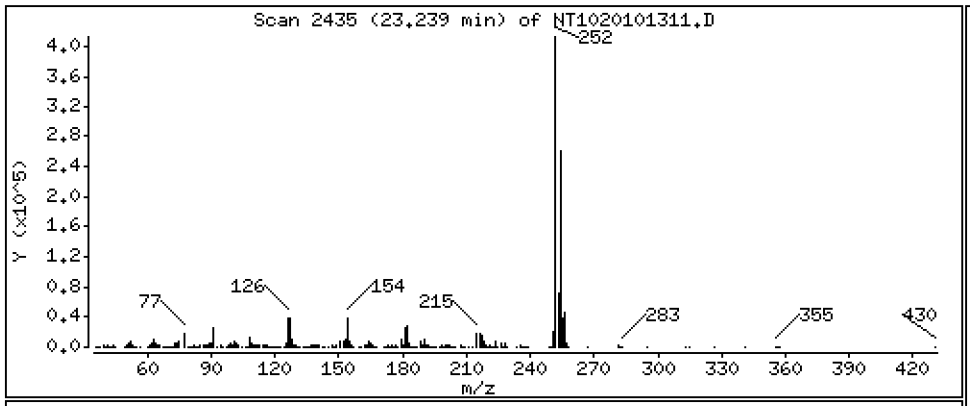
Operator: VTS

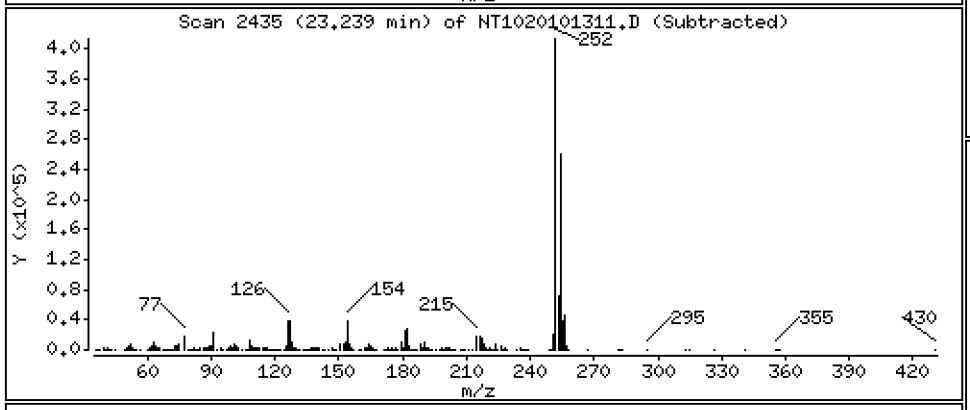
Column phase: ZB-5msi

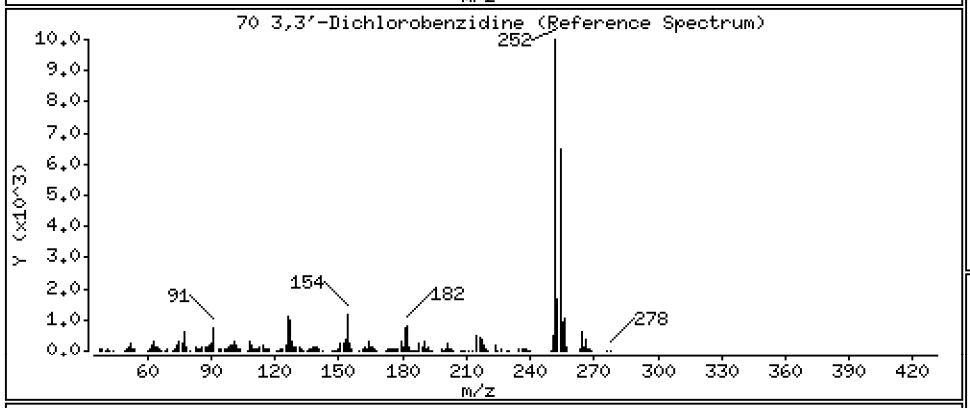
Column diameter: 0.25

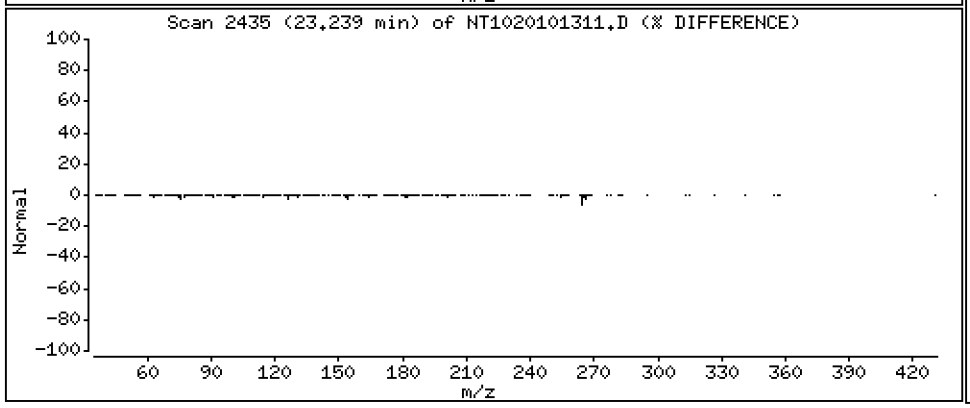
70 3,3'-Dichlorobenzidine

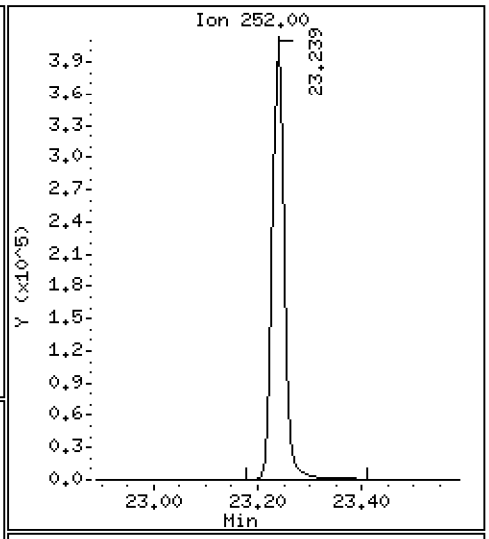
Concentration: 10.24 ug/mL

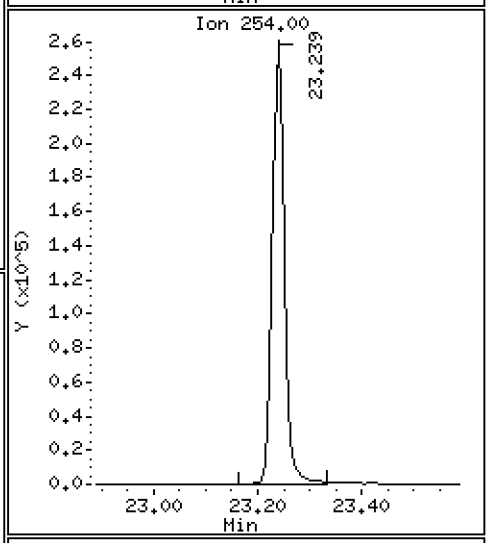


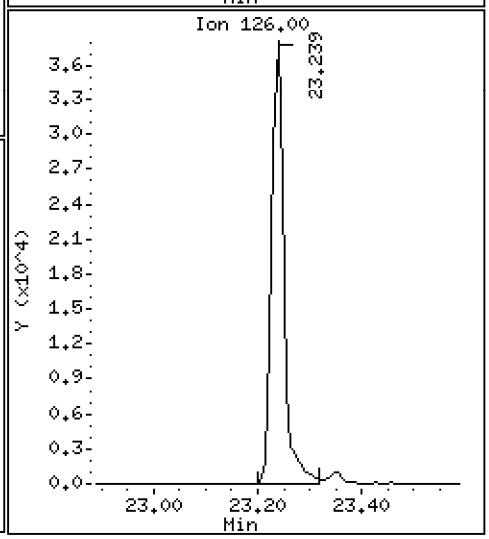












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

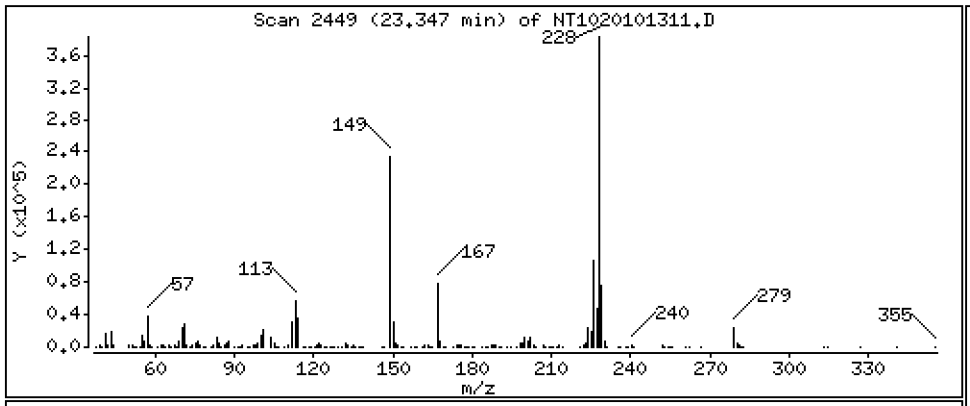
Operator: VTS

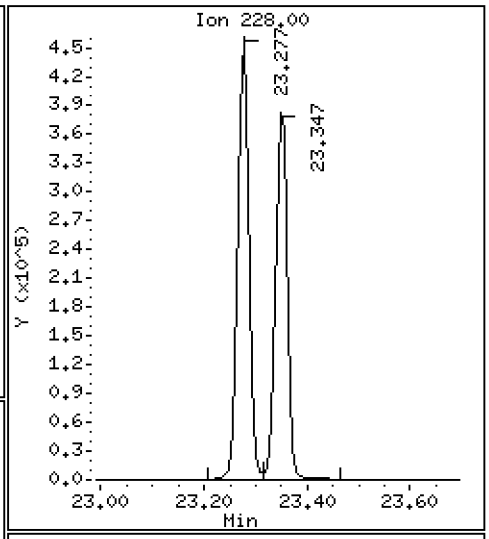
Column phase: ZB-5msi

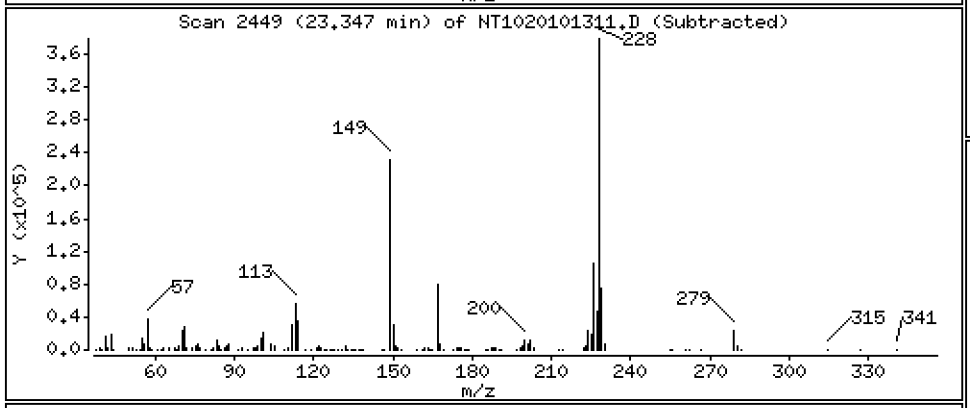
Column diameter: 0.25

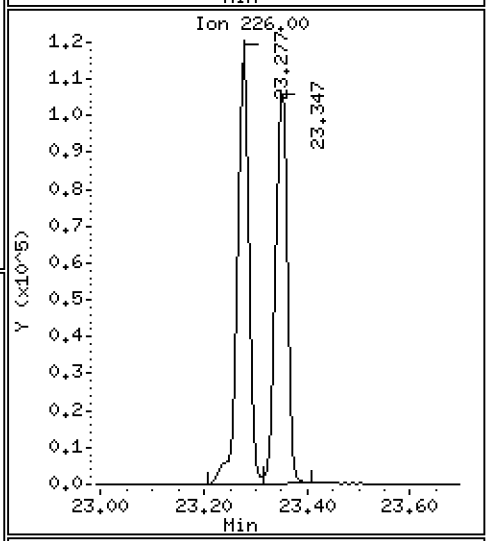
71 Chrysene

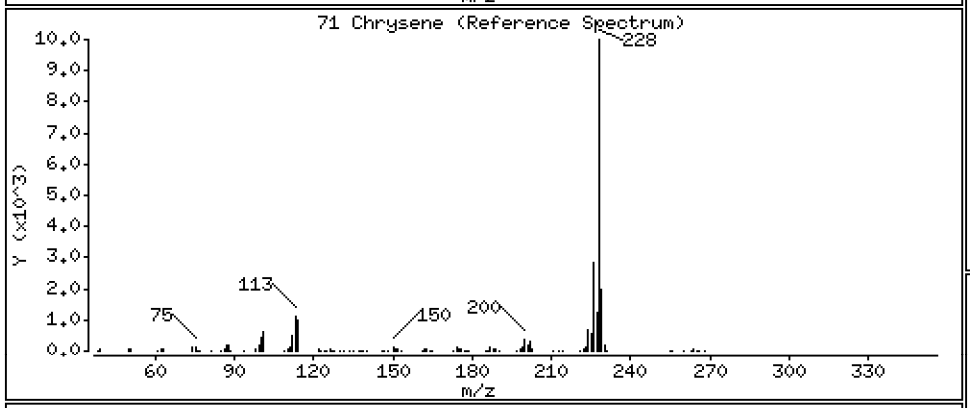
Concentration: 4.838 ug/mL

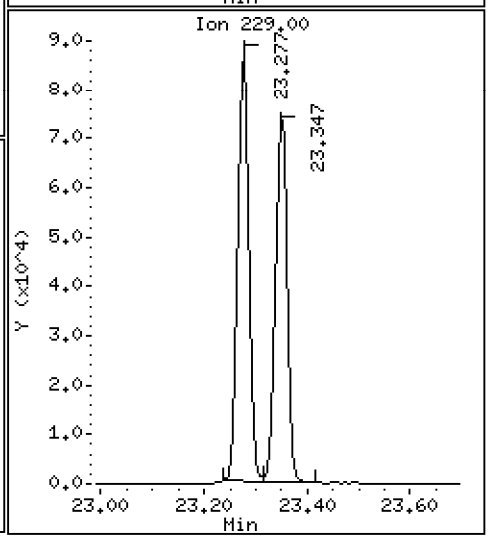


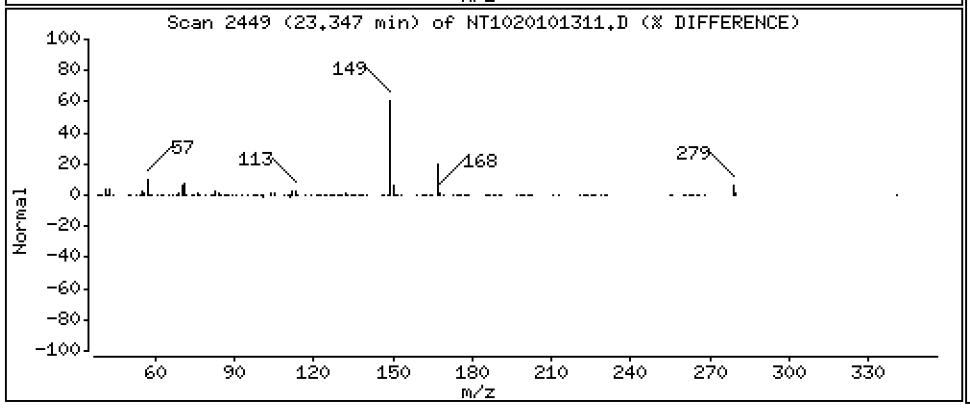












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

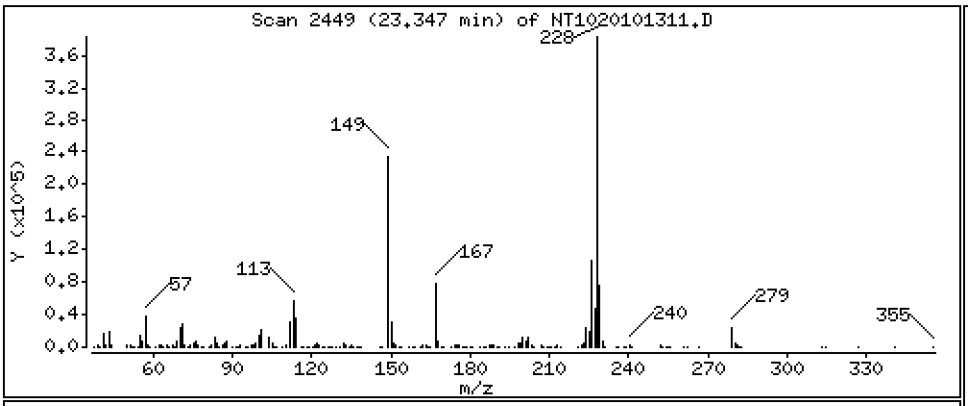
Operator: VTS

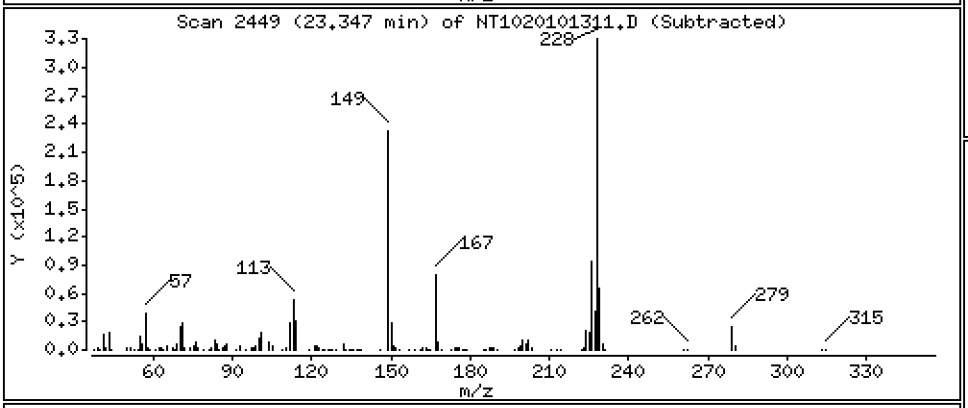
Column phase: ZB-5msi

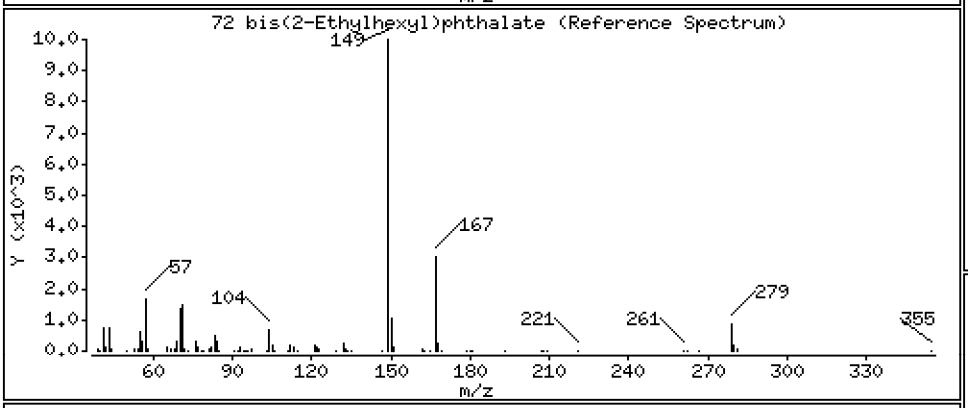
Column diameter: 0.25

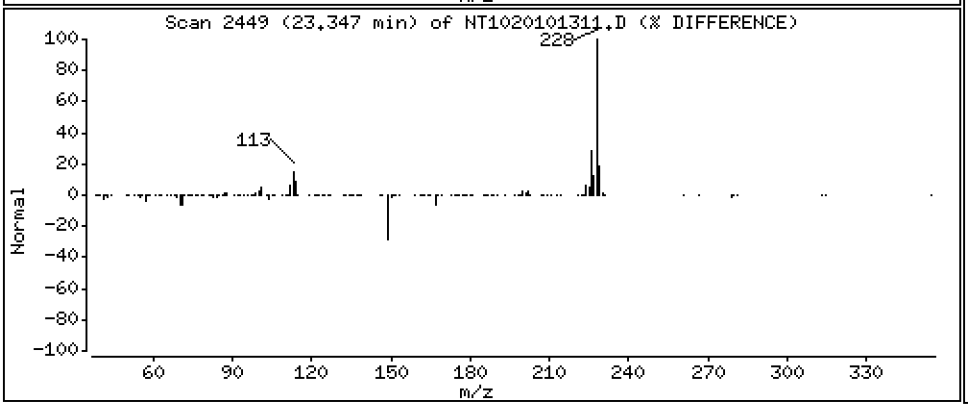
72 bis(2-Ethylhexyl)phthalate

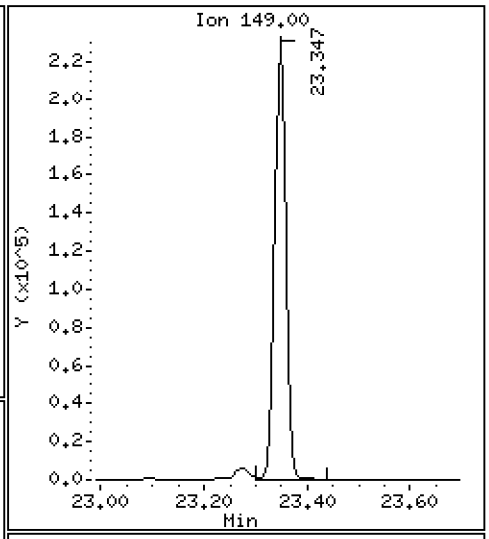
Concentration: 4.943 ug/mL

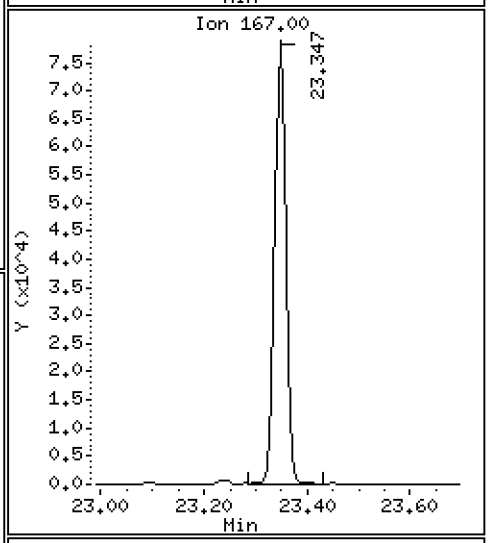


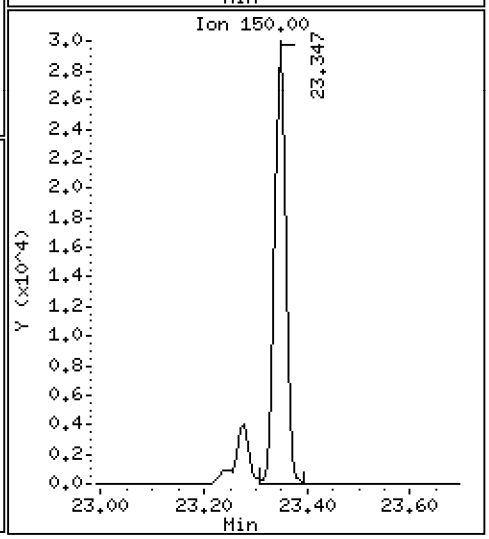












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

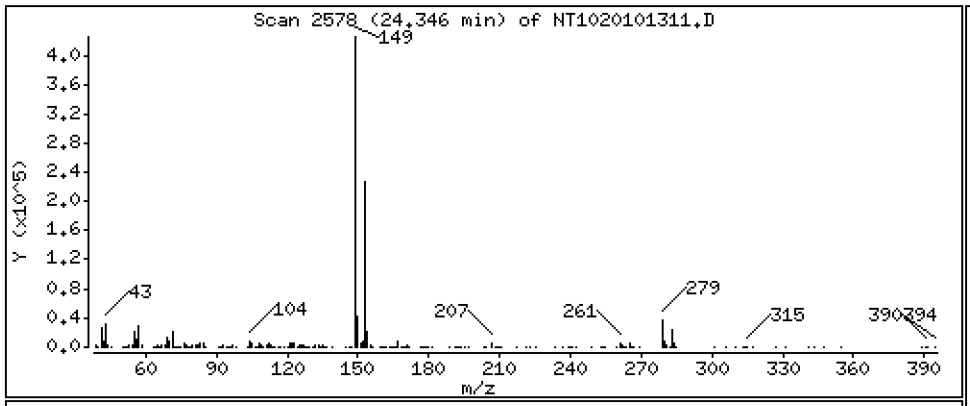
Operator: VTS

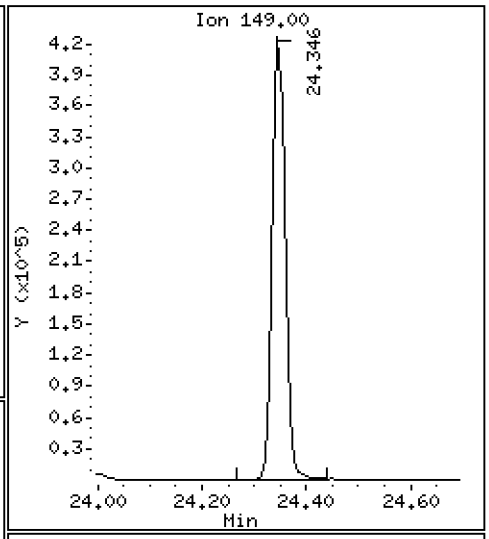
Column phase: ZB-5msi

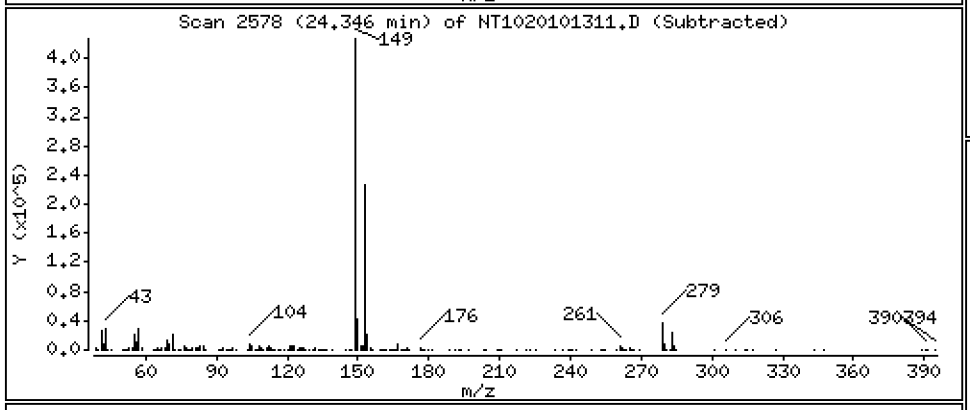
Column diameter: 0.25

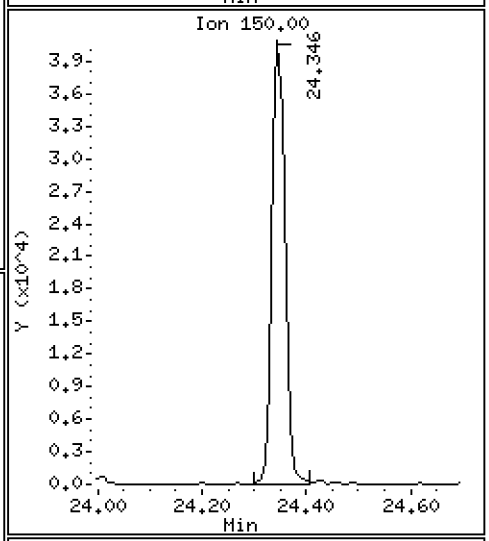
73 Di-n-octylphthalate

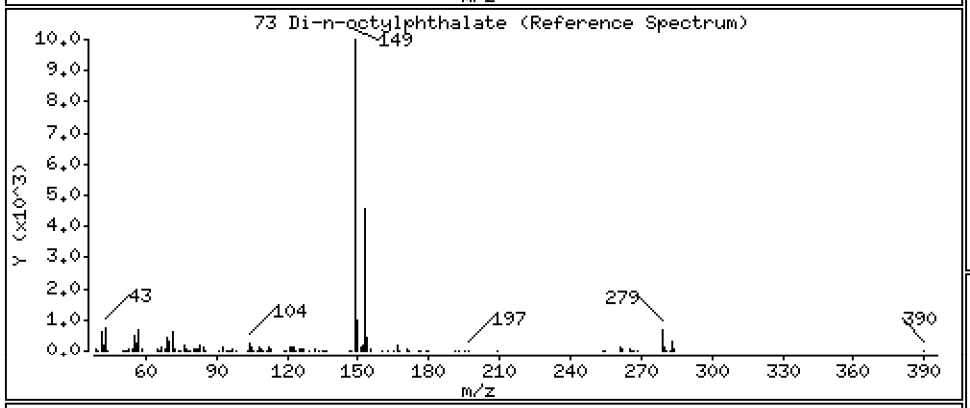
Concentration: 4.795 ug/mL

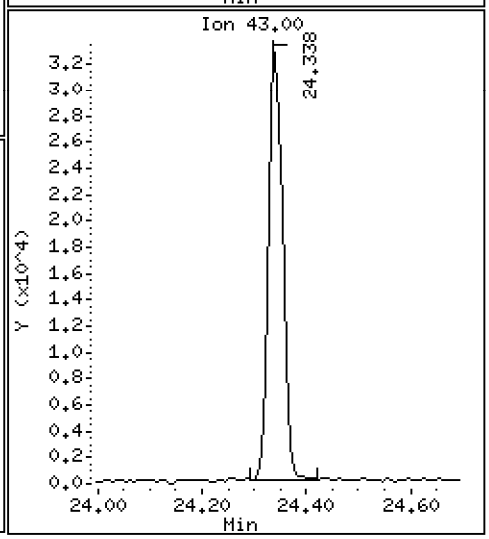


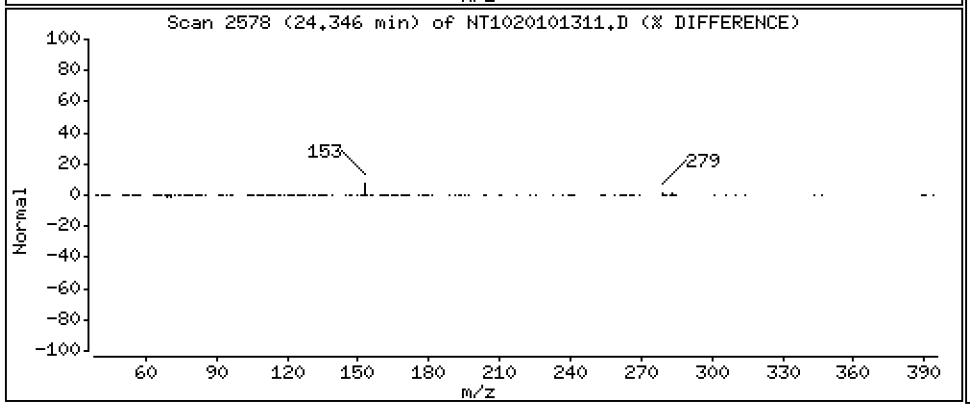












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

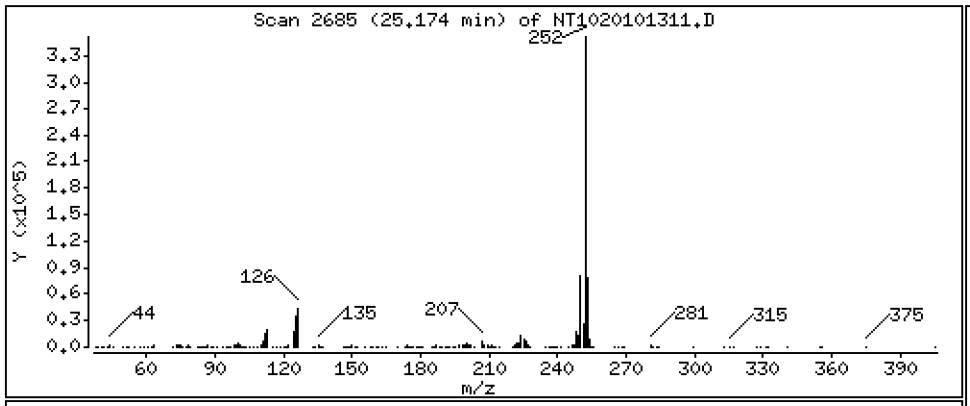
Operator: VTS

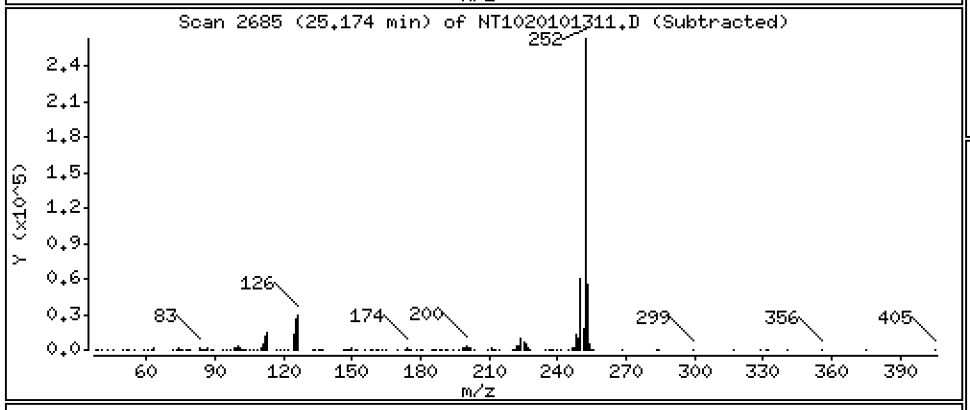
Column phase: ZB-5msi

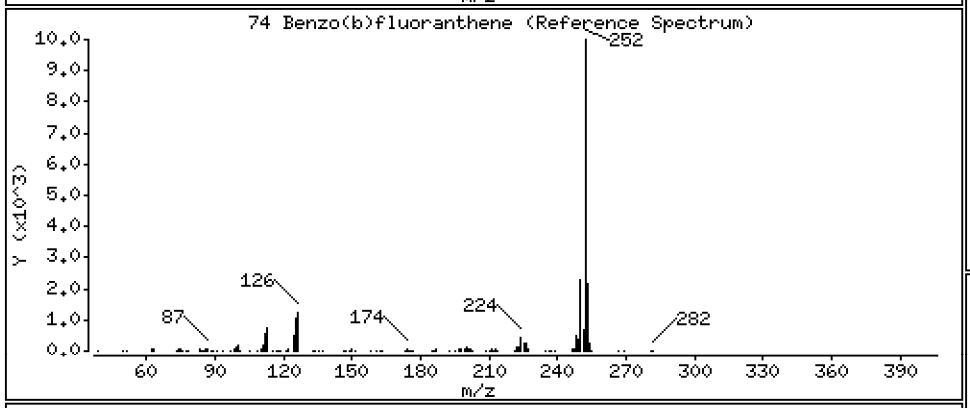
Column diameter: 0.25

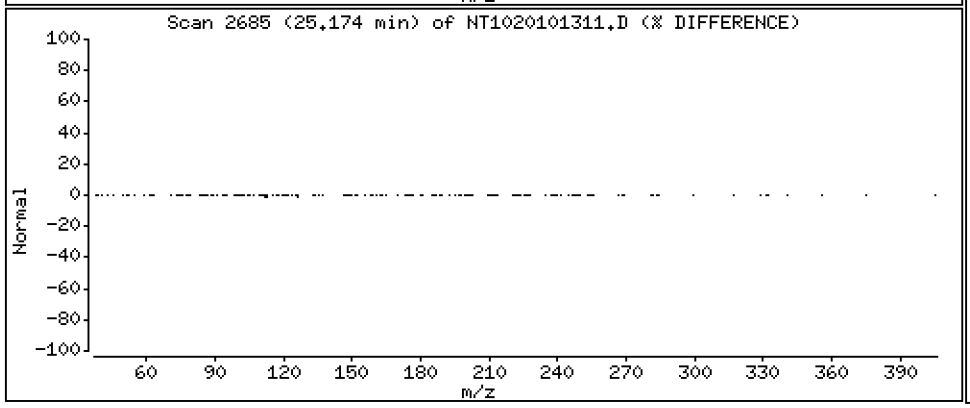
74 Benzo(b)fluoranthene

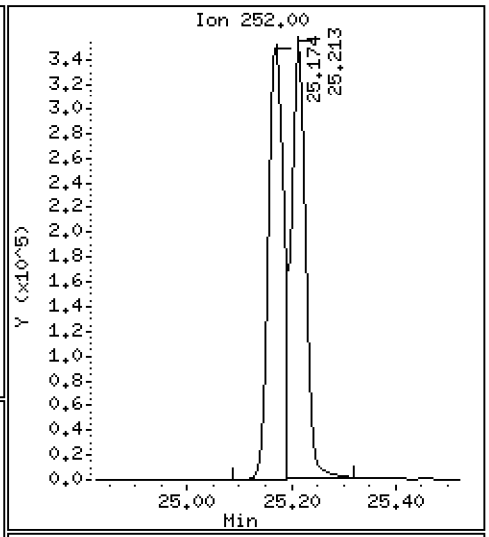
Concentration: 4.759 ug/mL

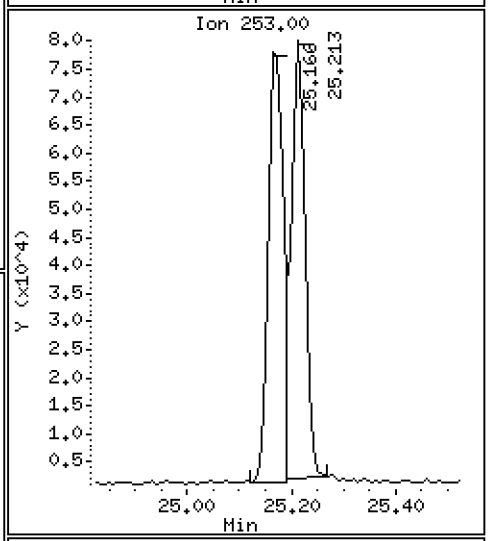


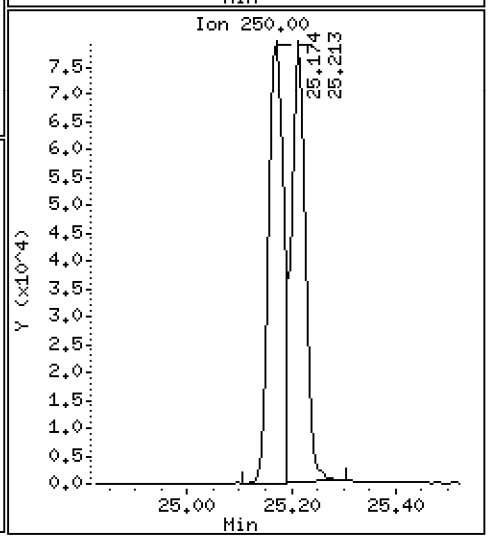












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

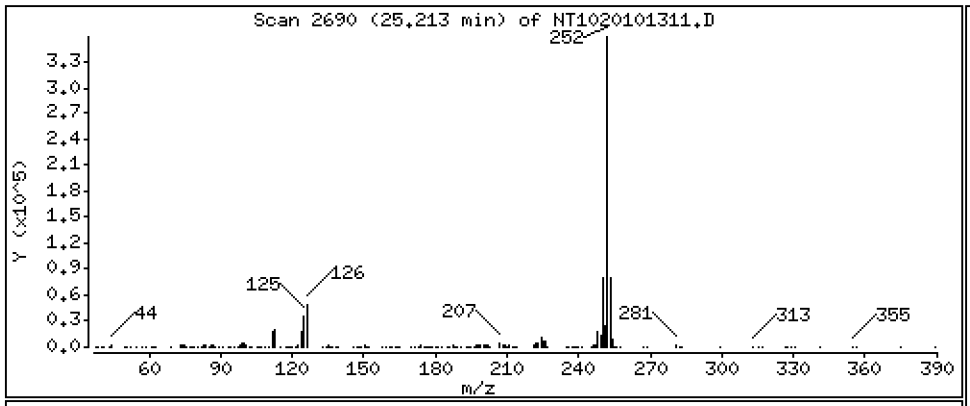
Operator: VTS

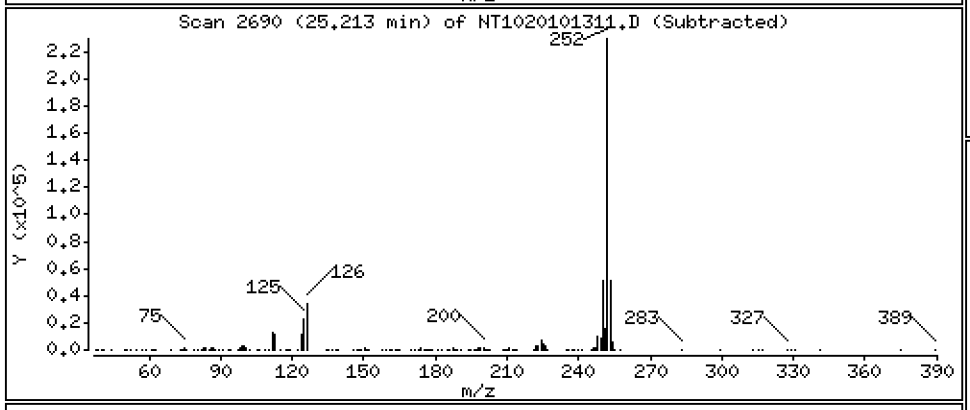
Column phase: ZB-5msi

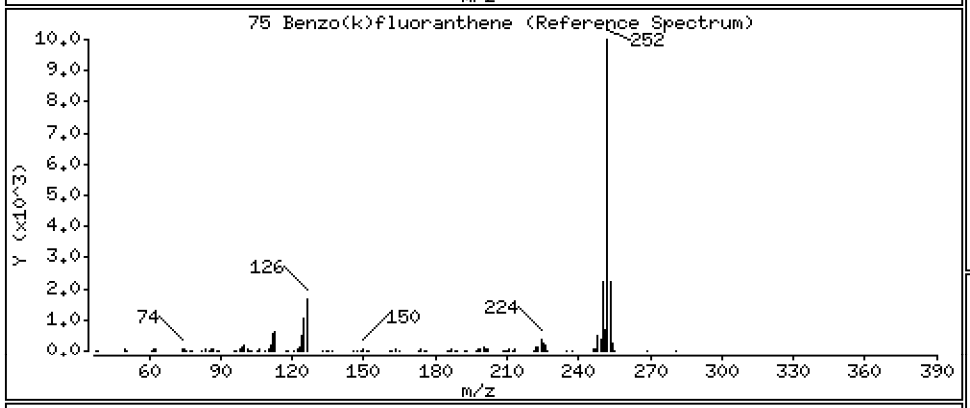
Column diameter: 0.25

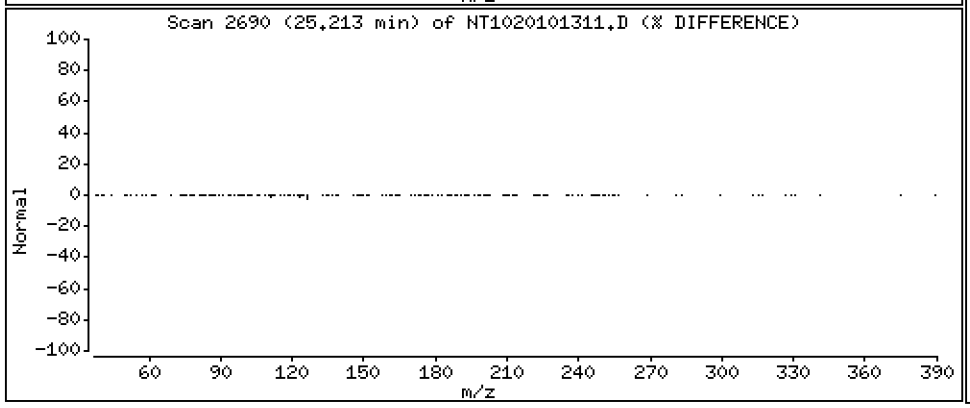
75 Benzo(k)fluoranthene

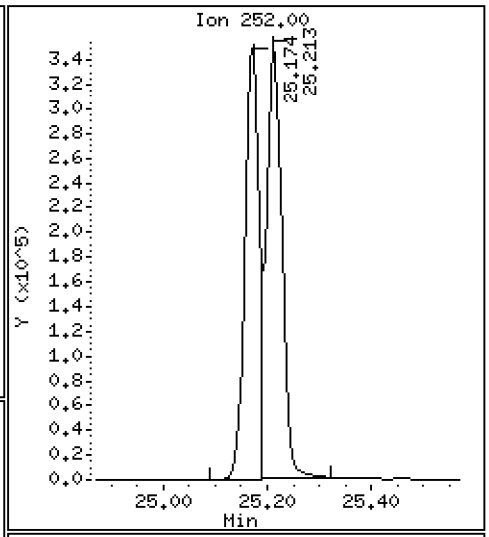
Concentration: 4.980 ug/mL

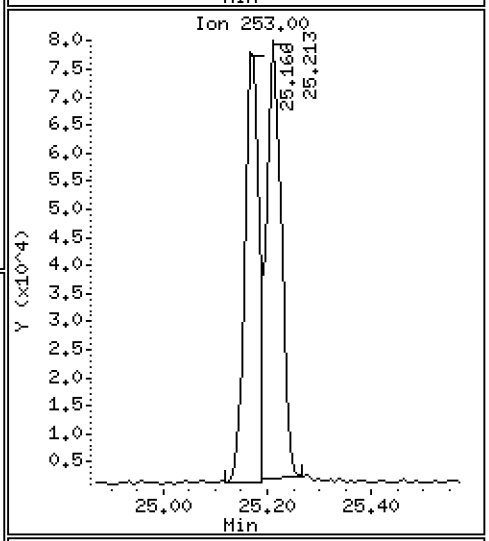


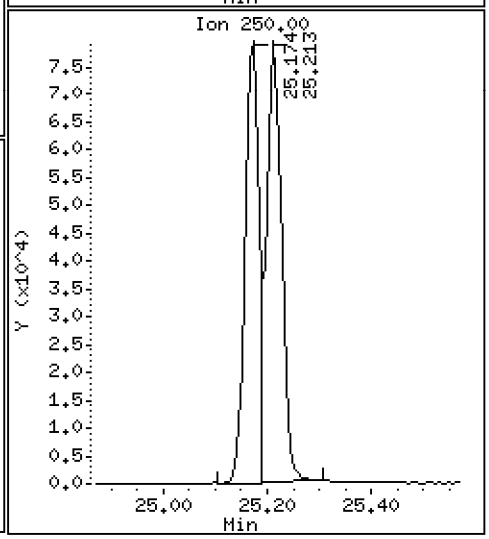












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

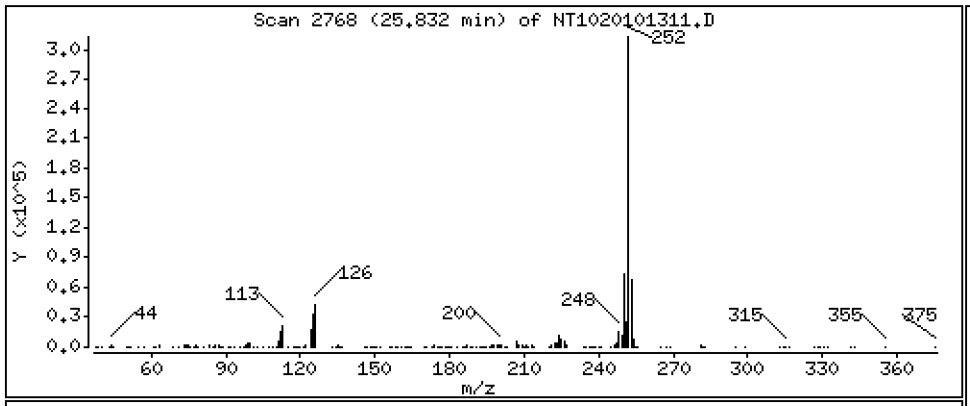
Operator: VTS

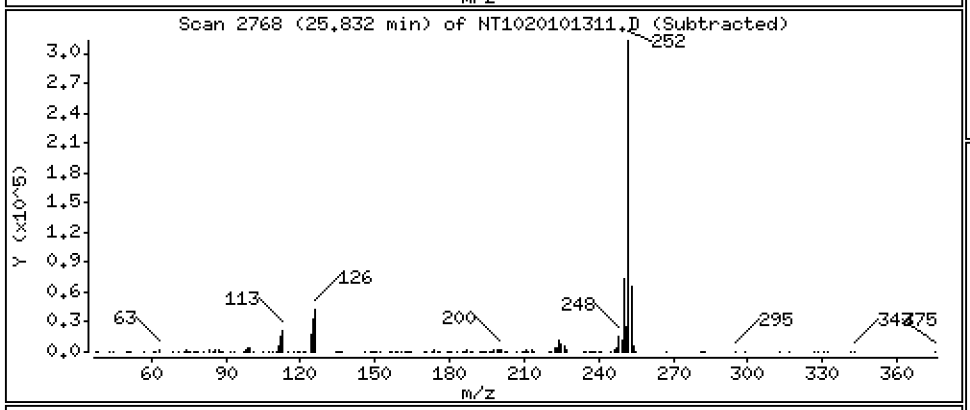
Column phase: ZB-5msi

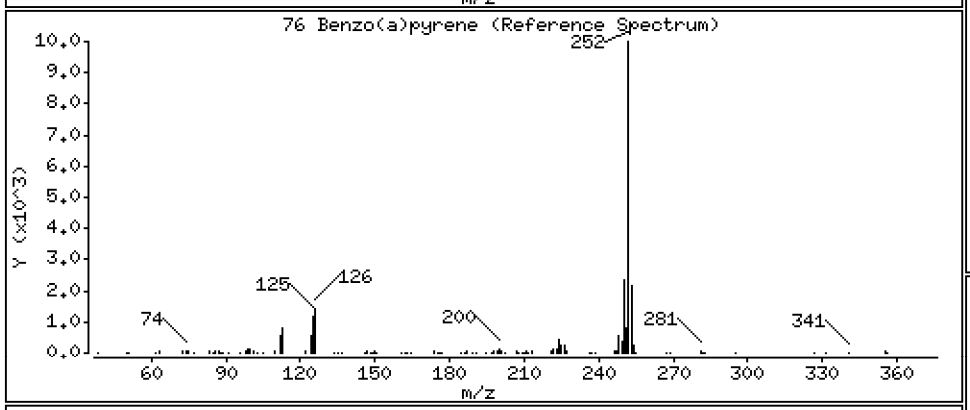
Column diameter: 0.25

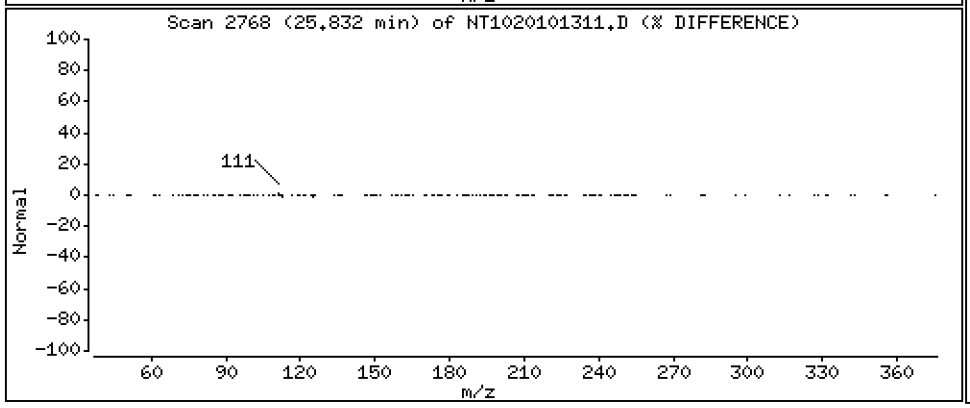
76 Benzo(a)pyrene

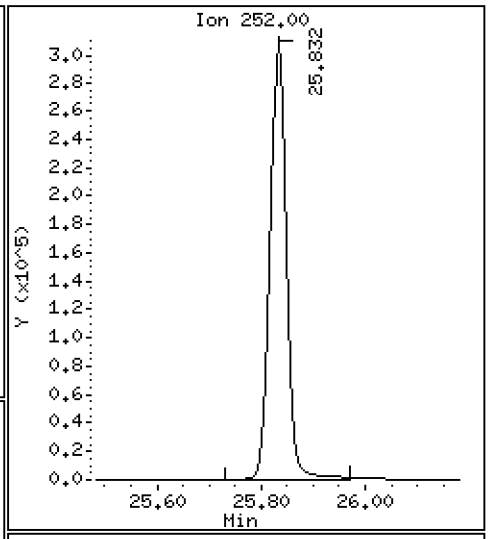
Concentration: 4.944 ug/mL

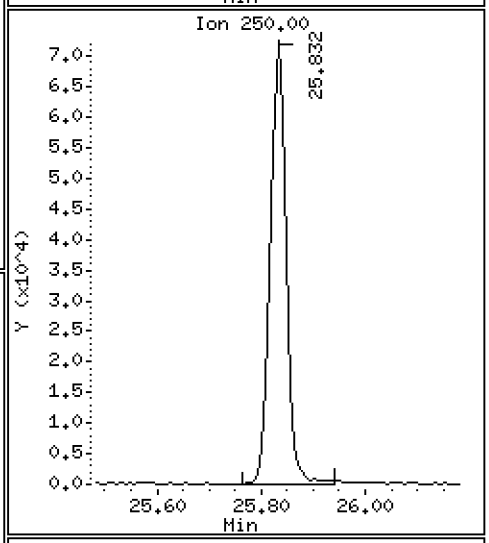


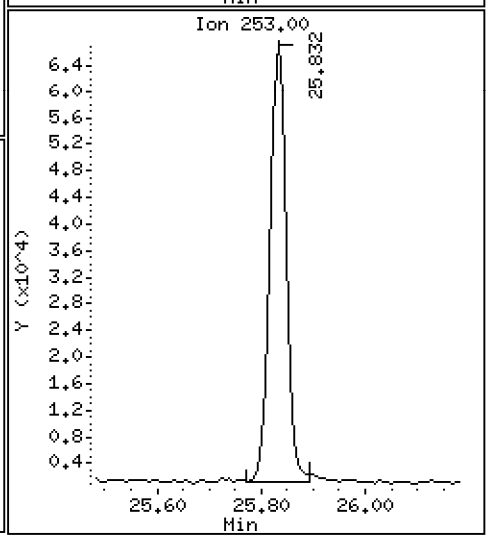












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

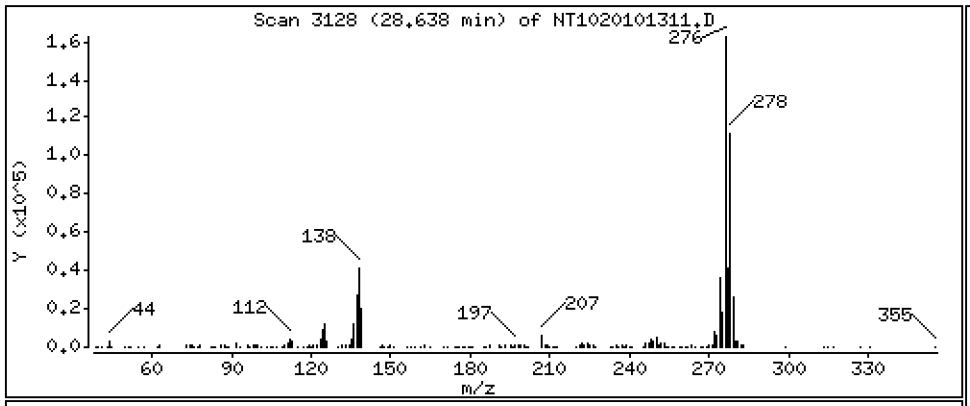
Operator: VTS

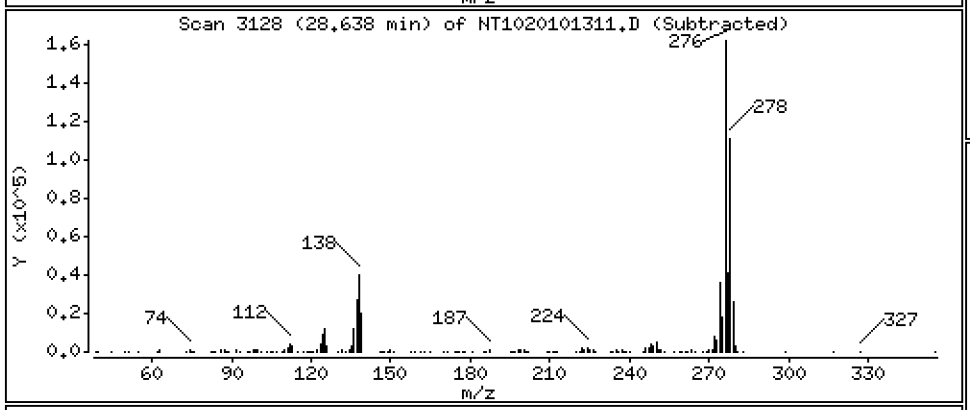
Column phase: ZB-5msi

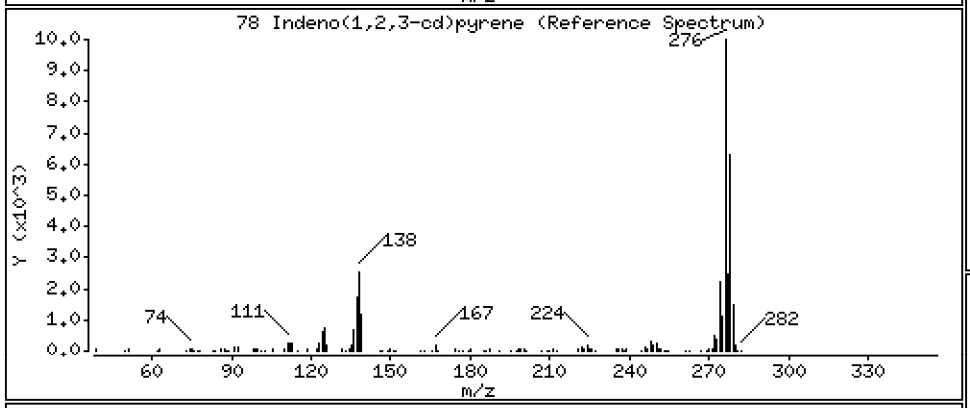
Column diameter: 0.25

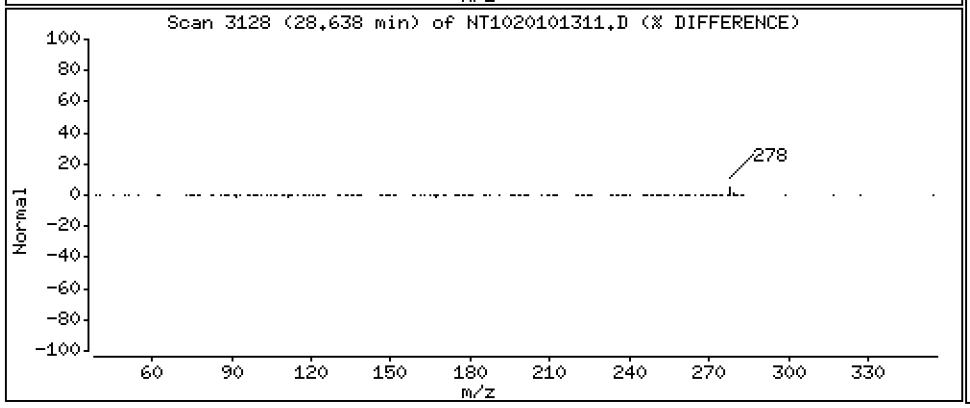
78 Indeno(1,2,3-cd)pyrene

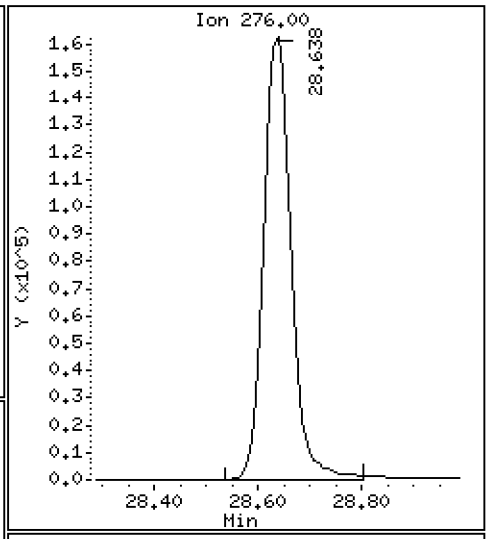
Concentration: 4.709 ug/mL

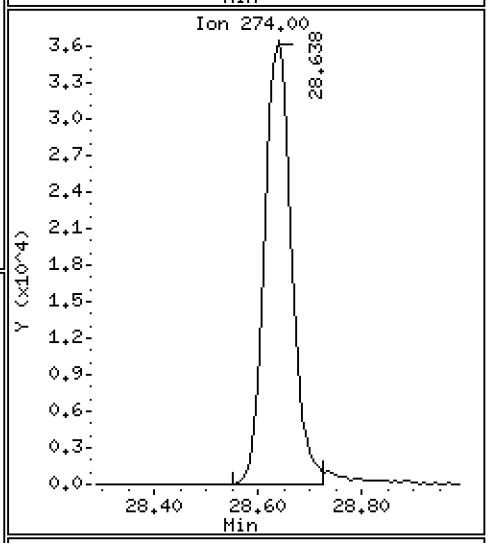


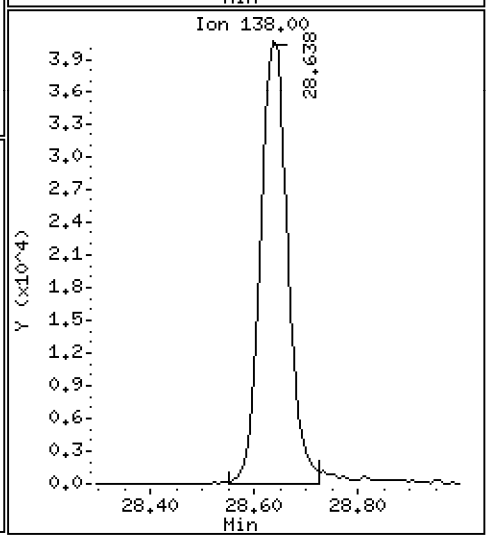












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

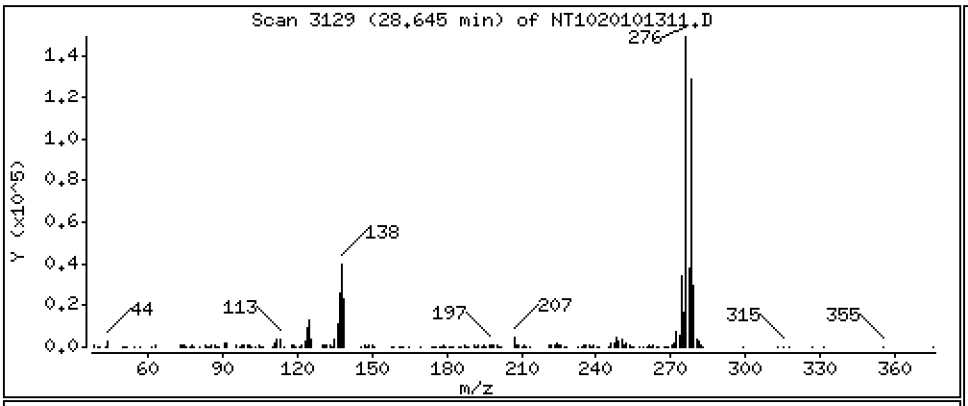
Operator: VTS

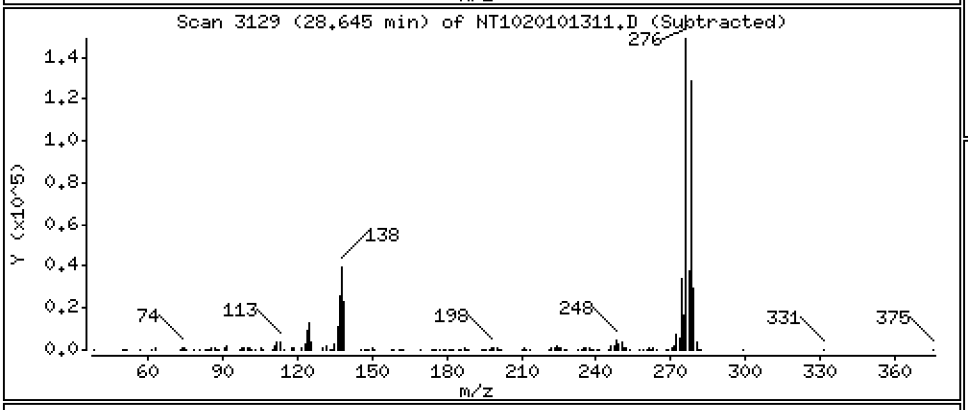
Column phase: ZB-5msi

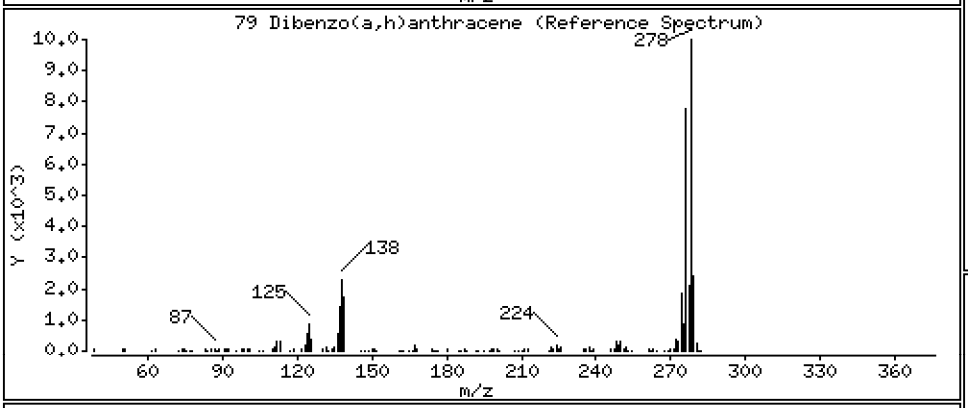
Column diameter: 0.25

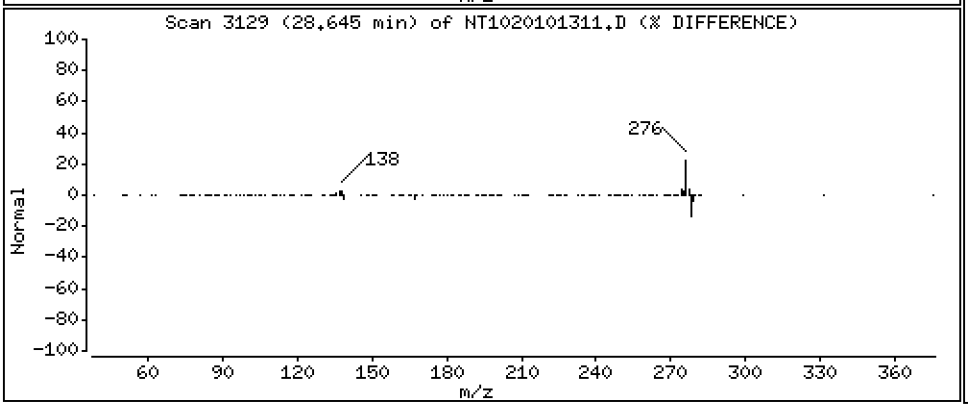
79 Dibenzo(a,h)anthracene

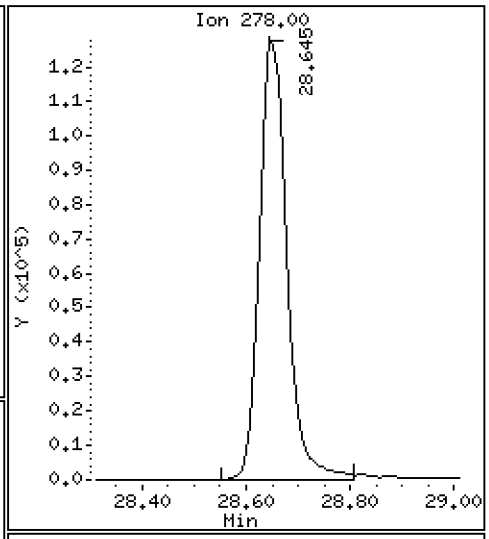
Concentration: 4.681 ug/mL

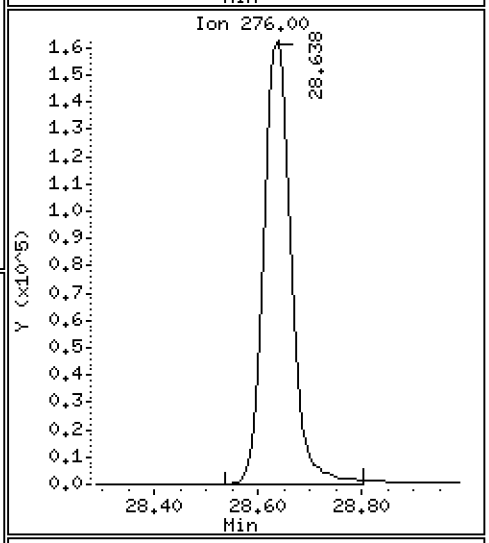


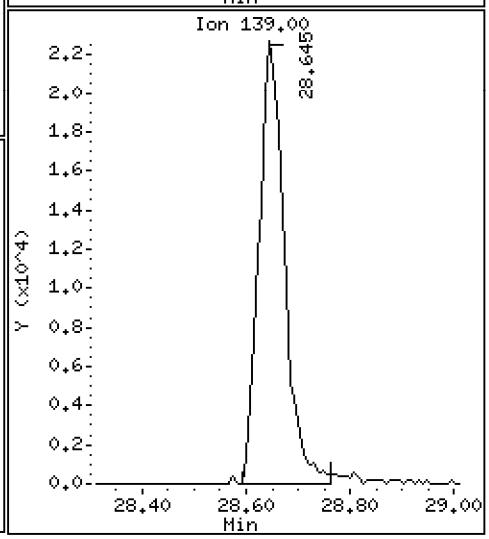












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

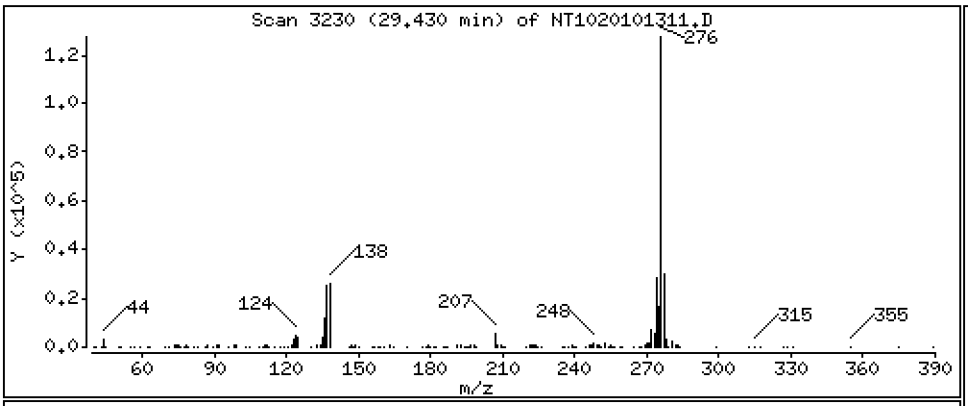
Operator: VTS

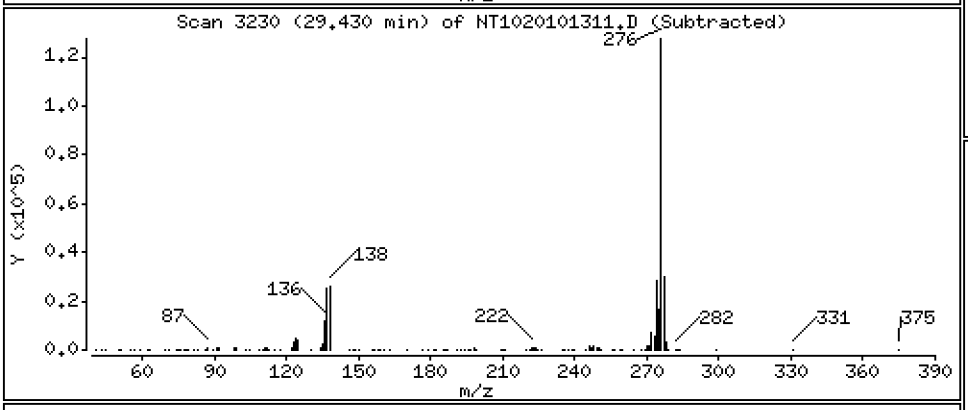
Column phase: ZB-5msi

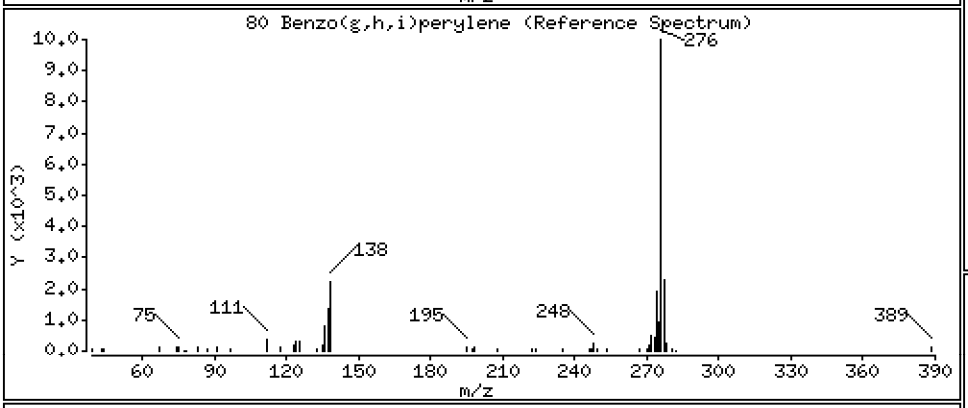
Column diameter: 0.25

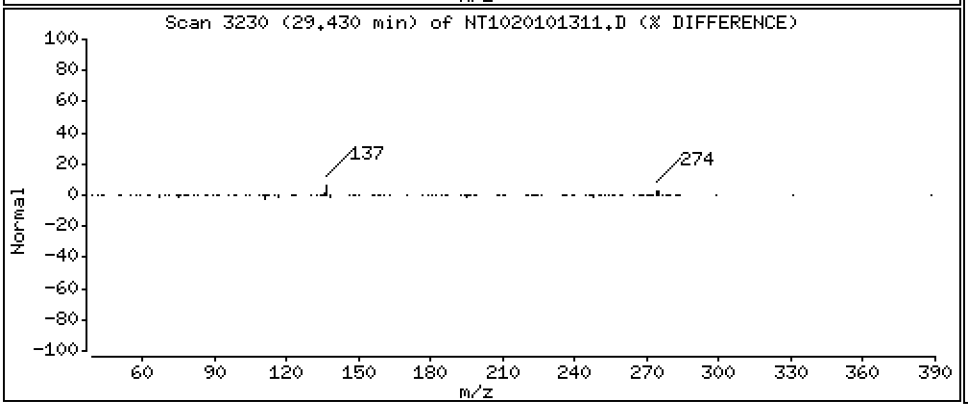
80 Benzo(g,h,i)perylene

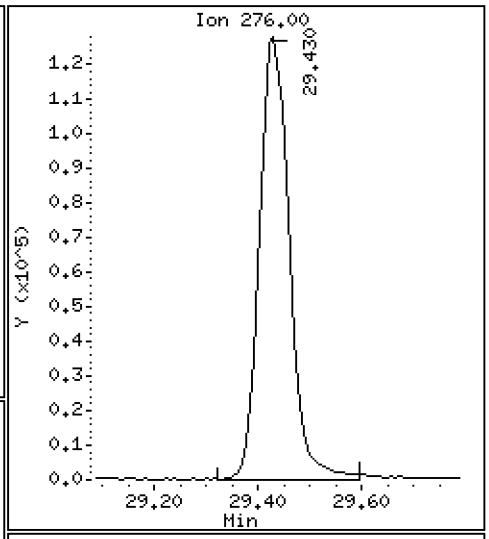
Concentration: 4.697 ug/mL

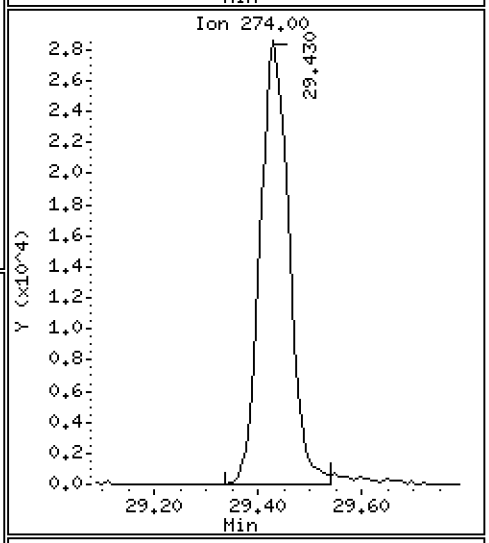


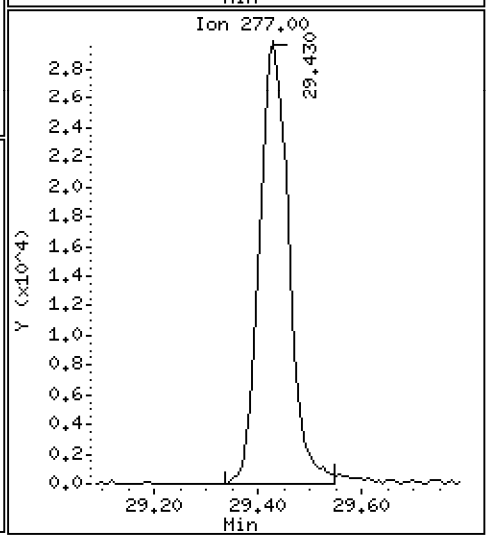












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

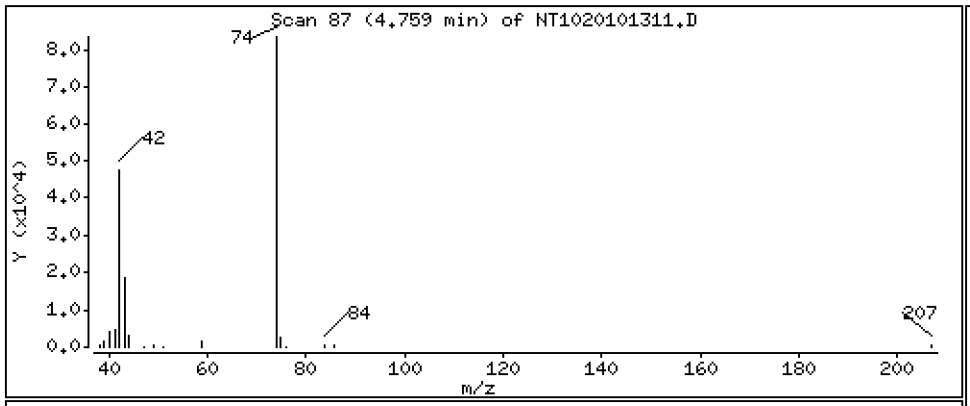
Operator: VTS

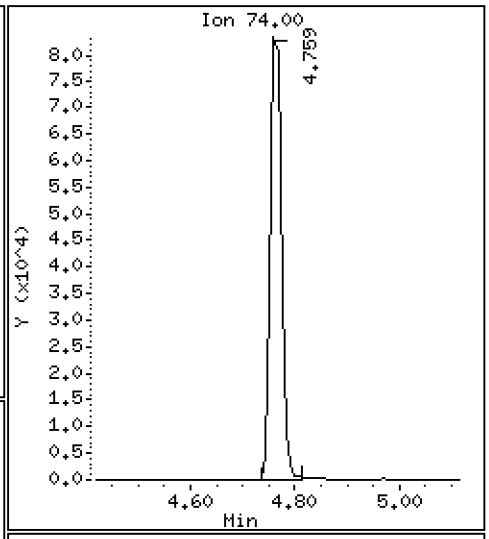
Column phase: ZB-5msi

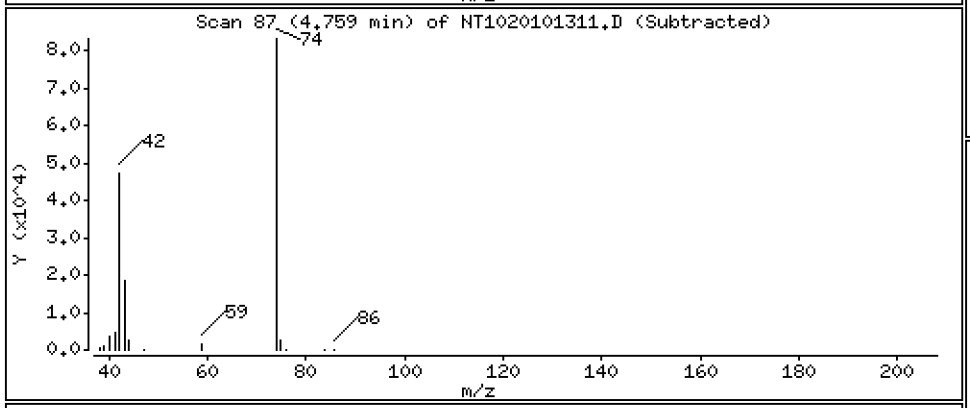
Column diameter: 0.25

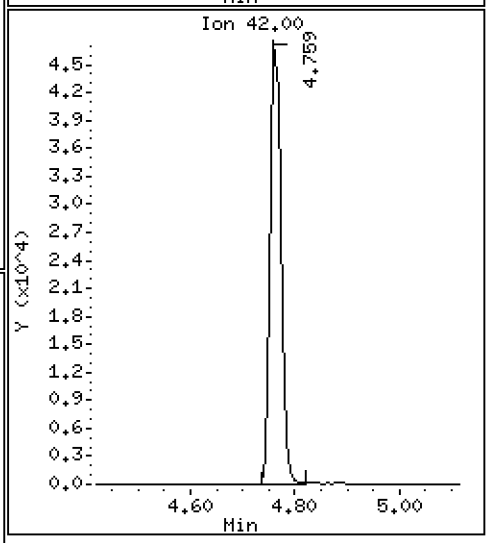
90 N-Nitrosodimethylamine

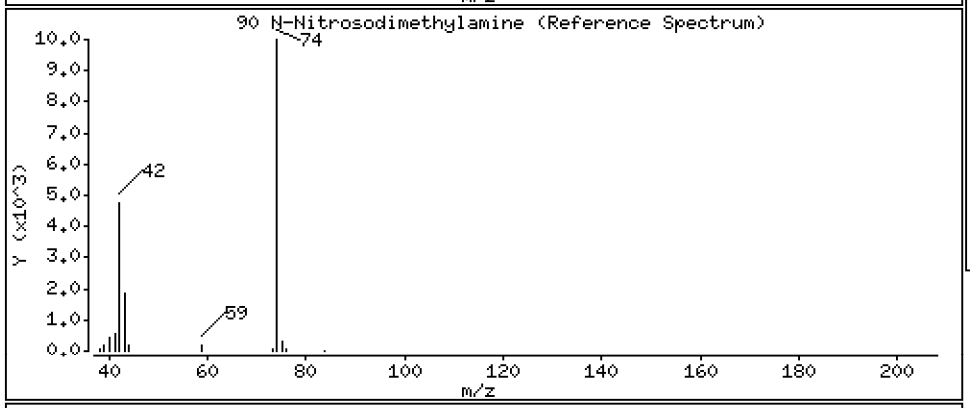
Concentration: 5.870 ug/mL

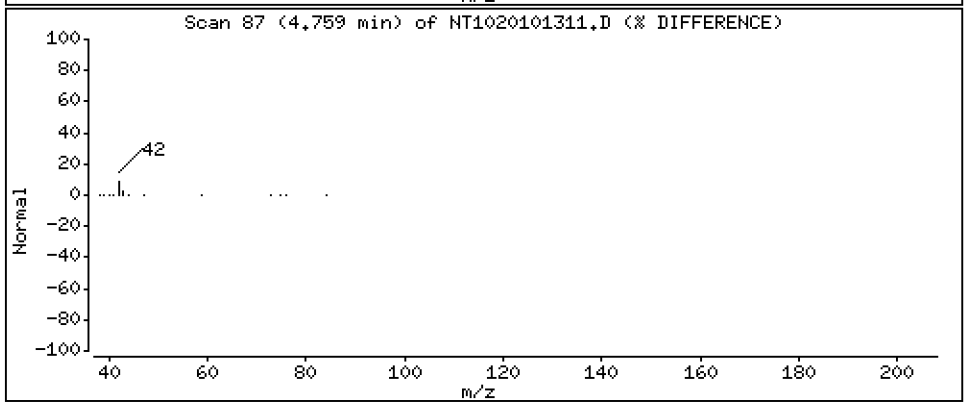












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

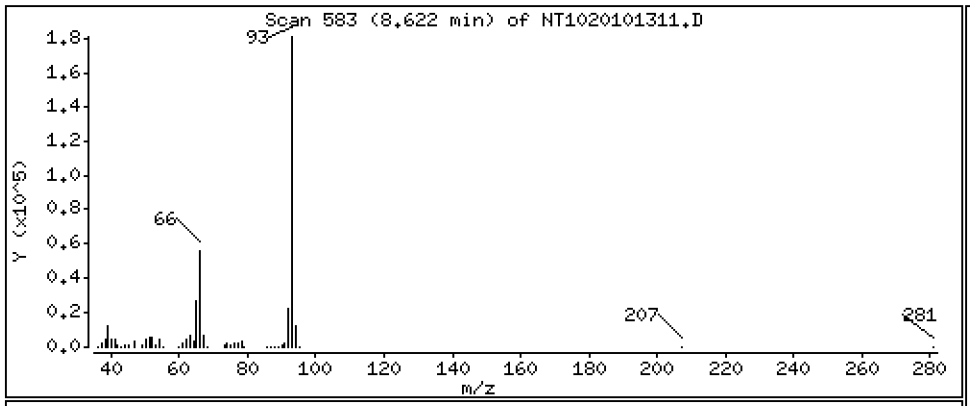
Operator: VTS

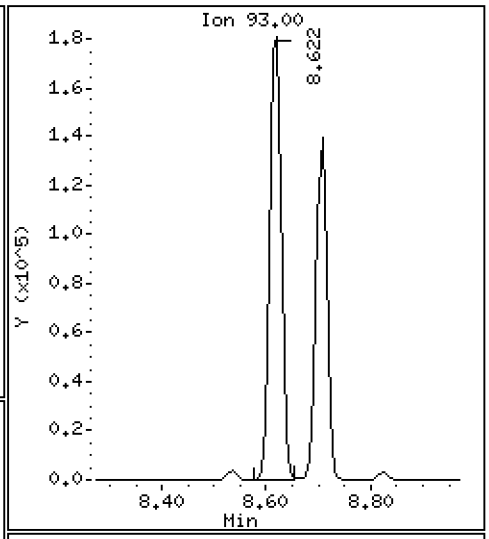
Column phase: ZB-5msi

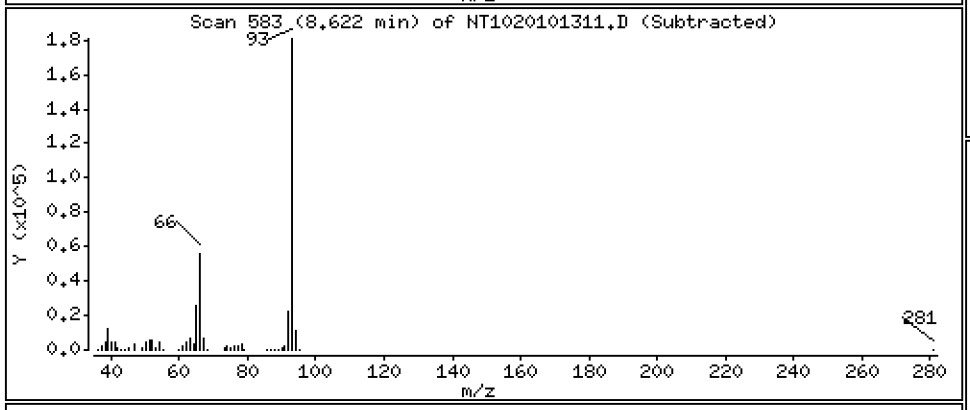
Column diameter: 0.25

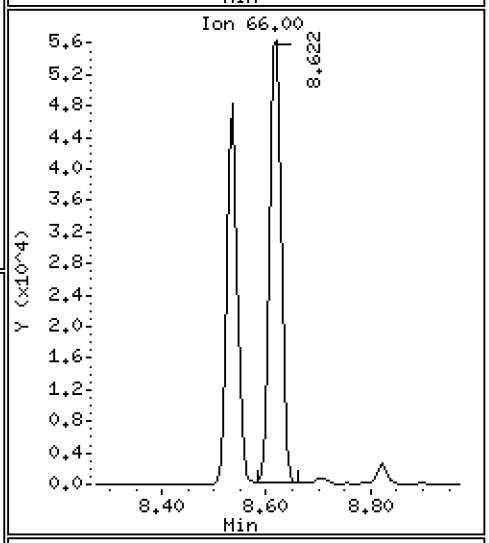
91 Aniline

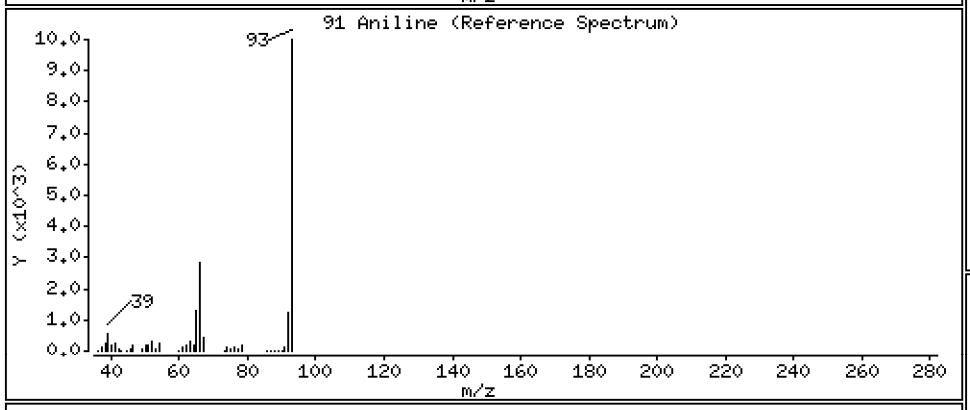
Concentration: 7.424 ug/mL

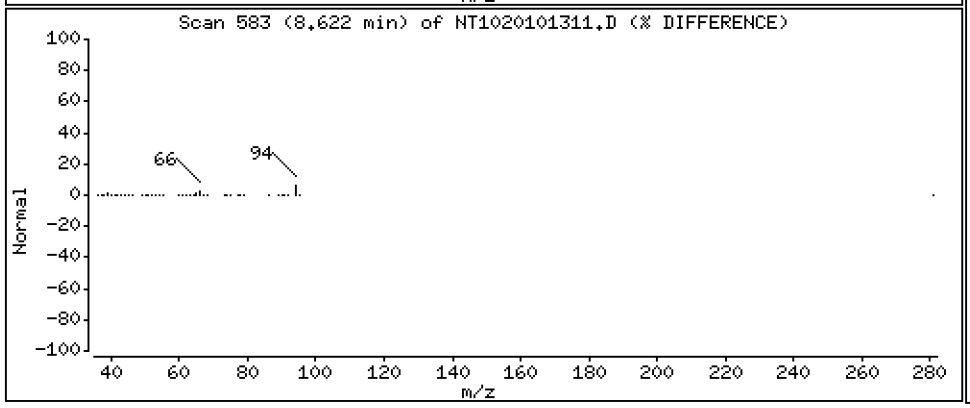


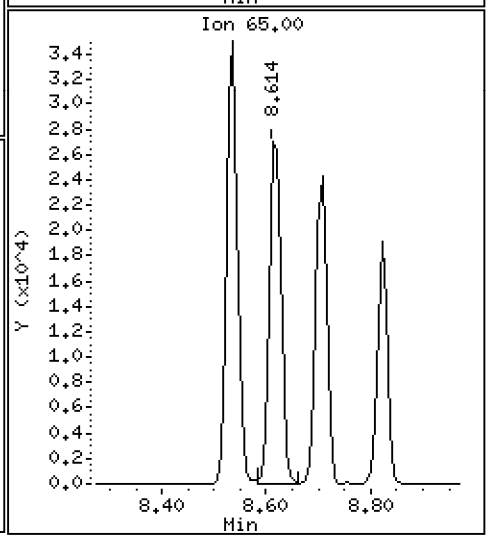












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

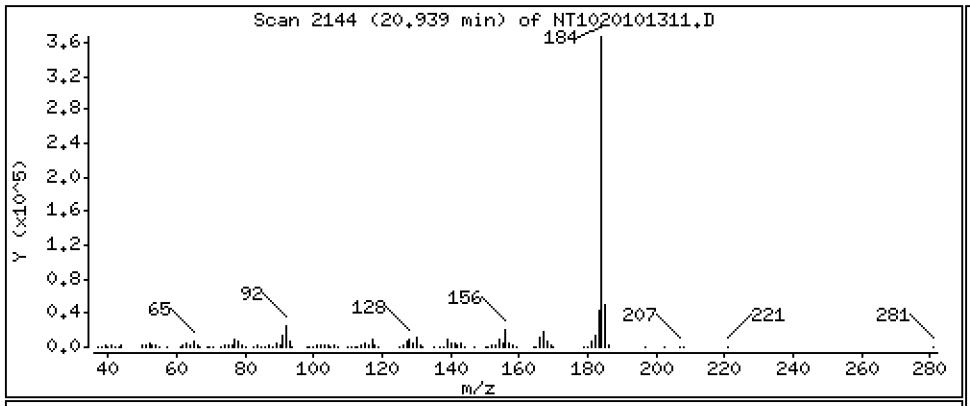
Operator: VTS

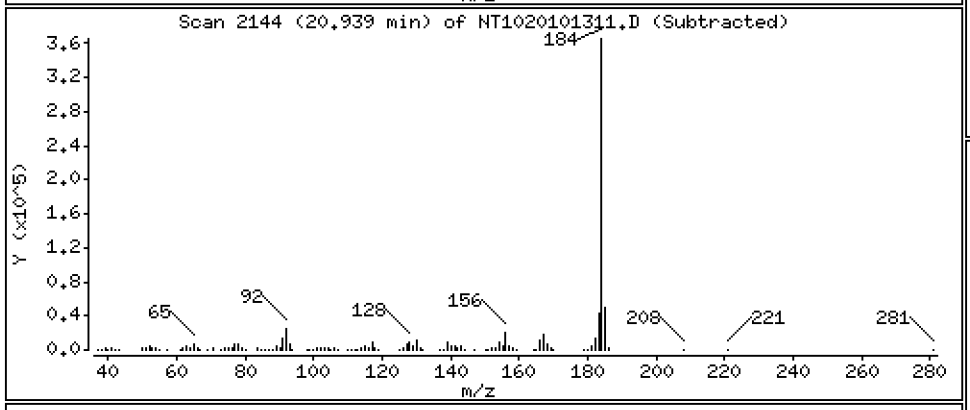
Column phase: ZB-5msi

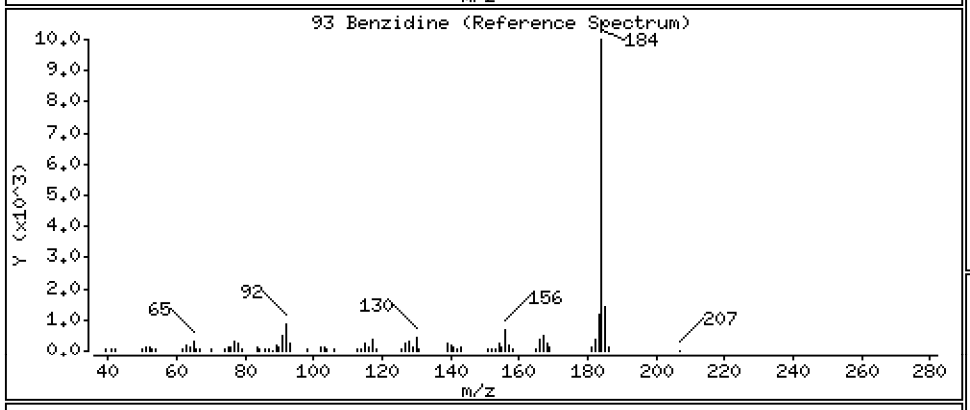
Column diameter: 0.25

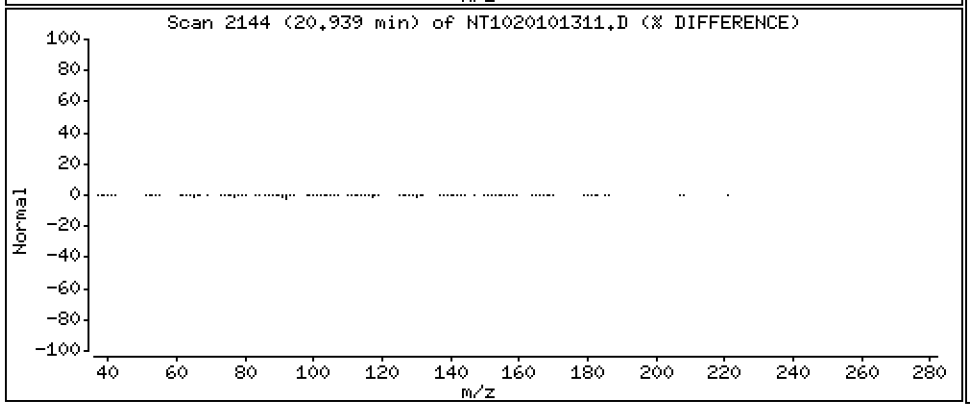
93 Benzidine

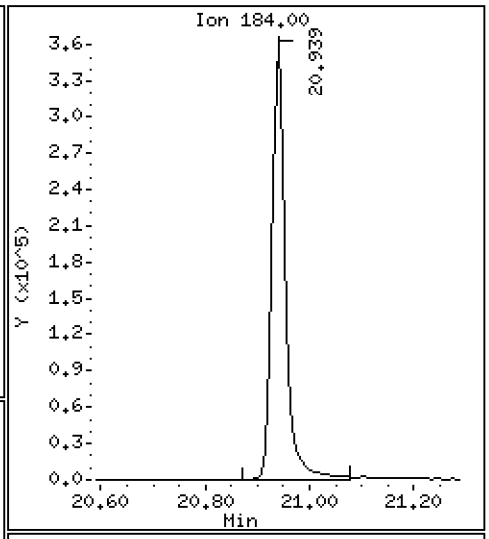
Concentration: 6.545 ug/mL

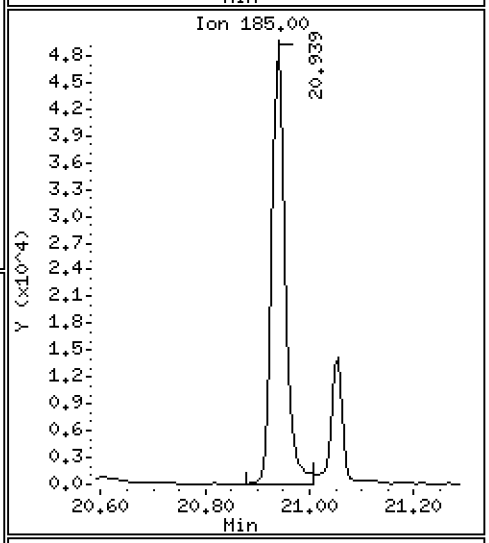


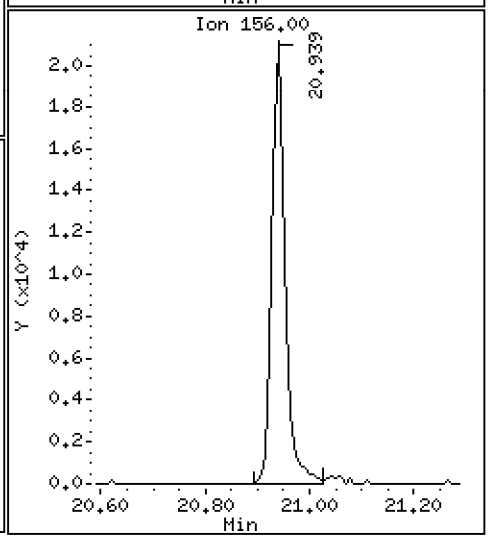












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

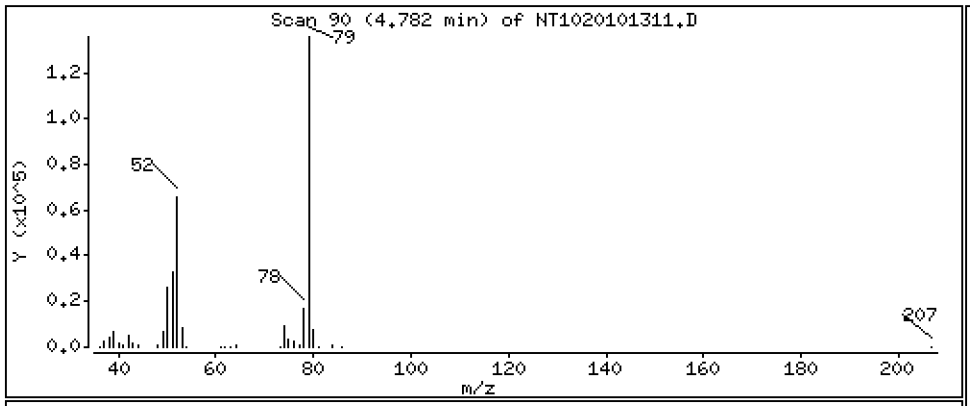
Operator: VTS

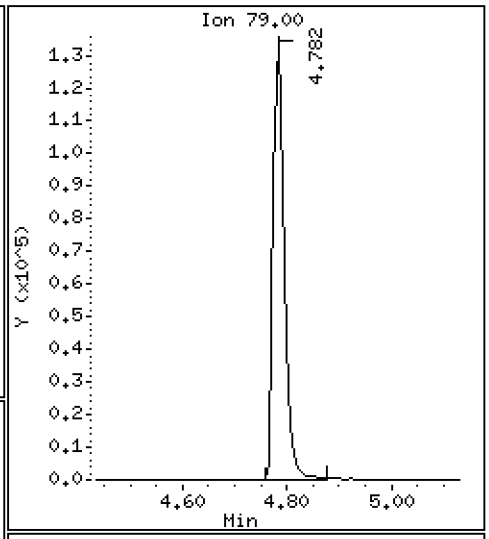
Column phase: ZB-5msi

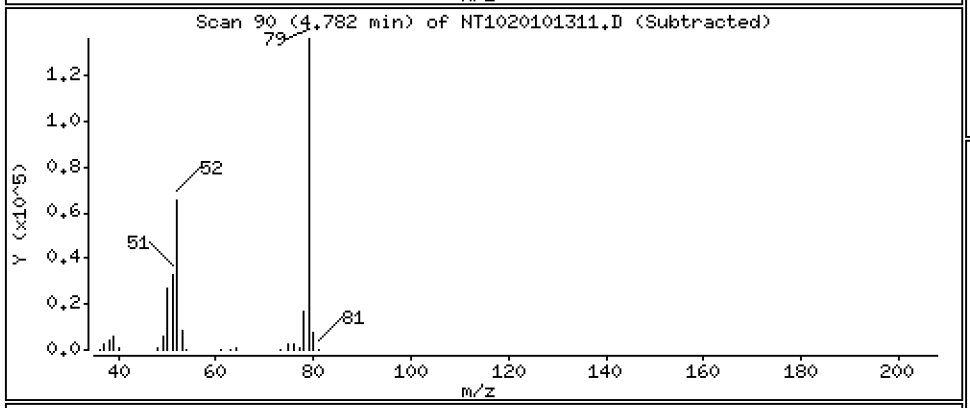
Column diameter: 0.25

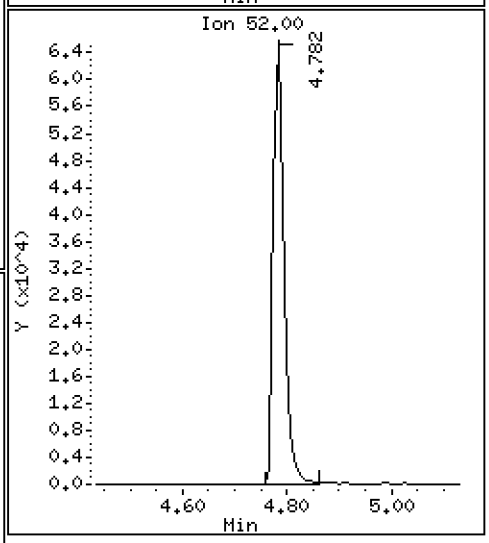
103 Pyridine

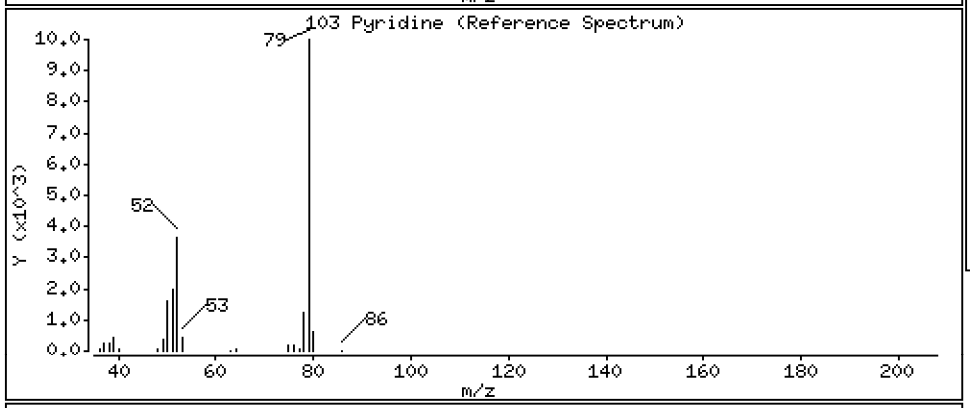
Concentration: 5.872 ug/mL

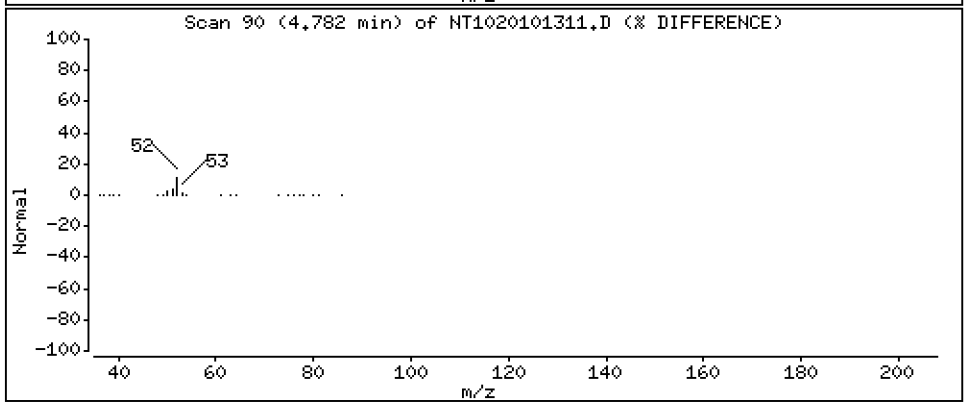












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

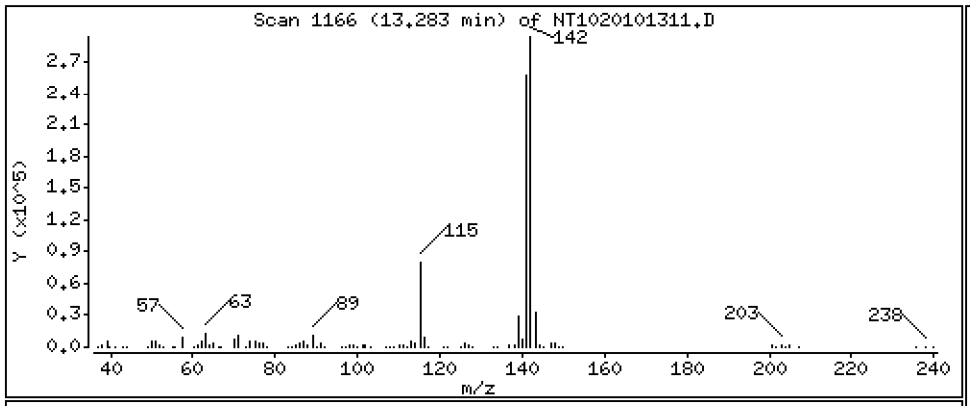
Operator: VTS

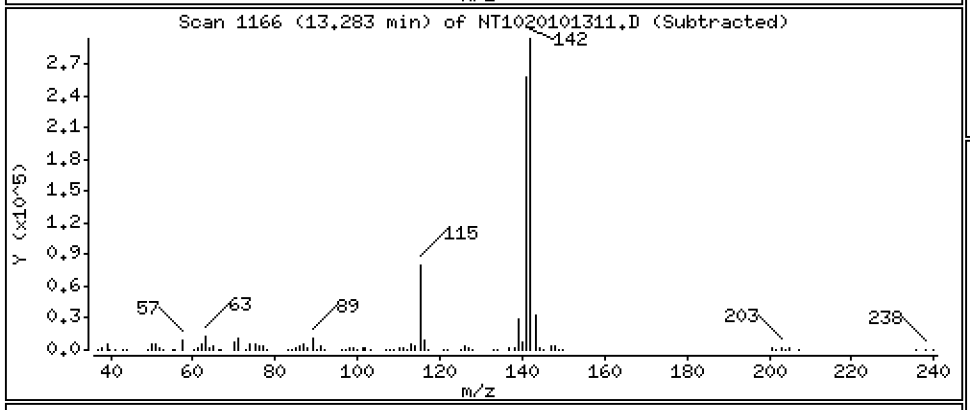
Column phase: ZB-5msi

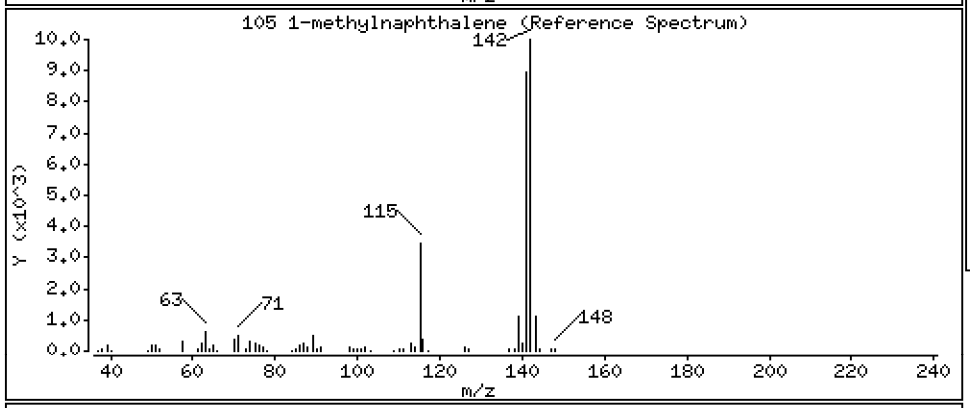
Column diameter: 0.25

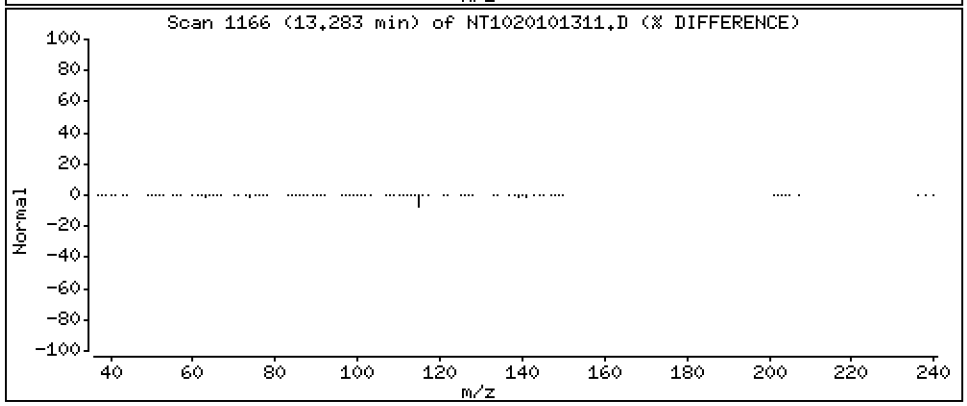
105 1-methylnaphthalene

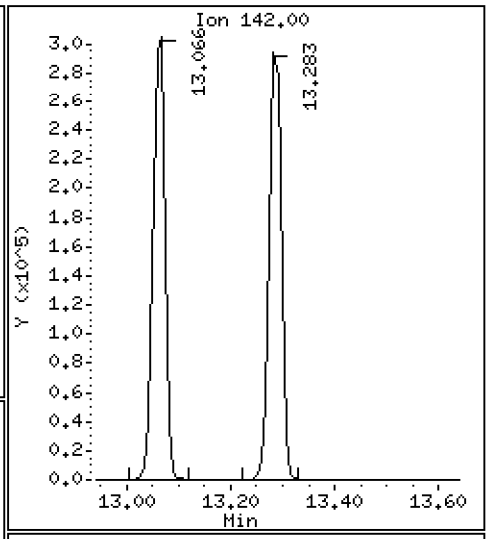
Concentration: 5.103 ug/mL

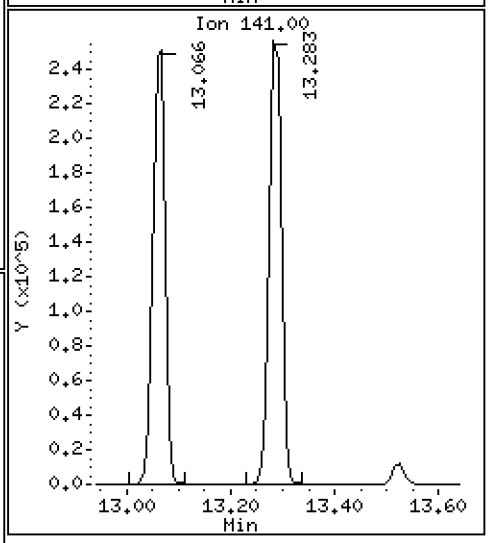












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

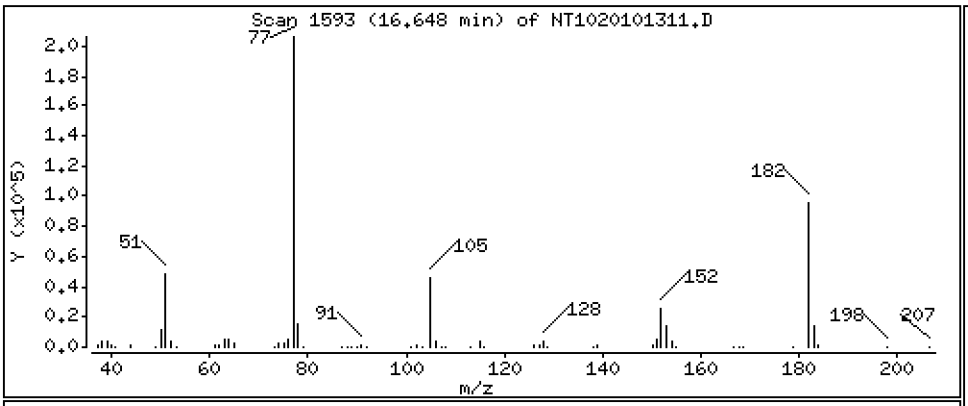
Operator: VTS

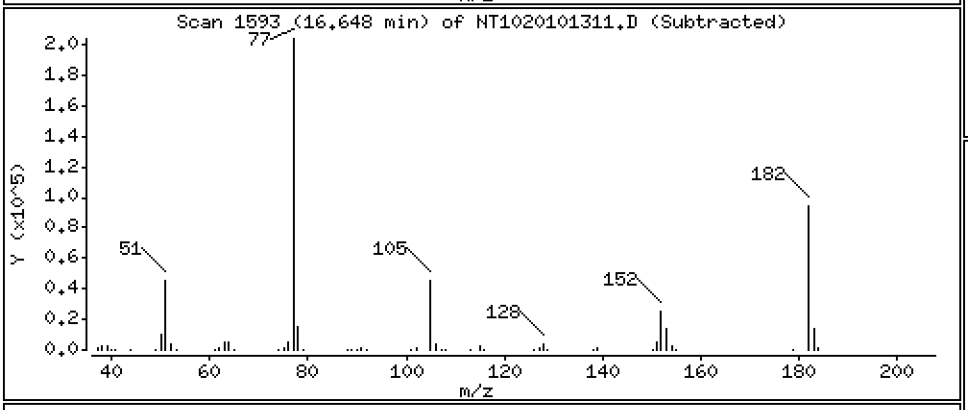
Column phase: ZB-5msi

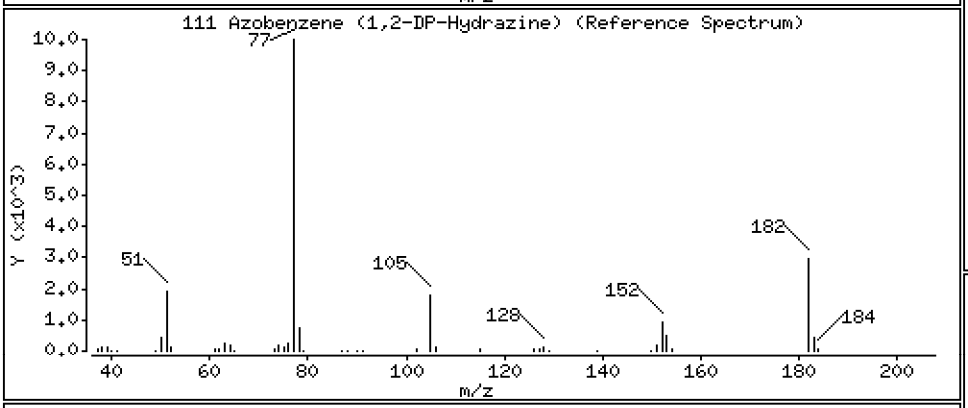
Column diameter: 0.25

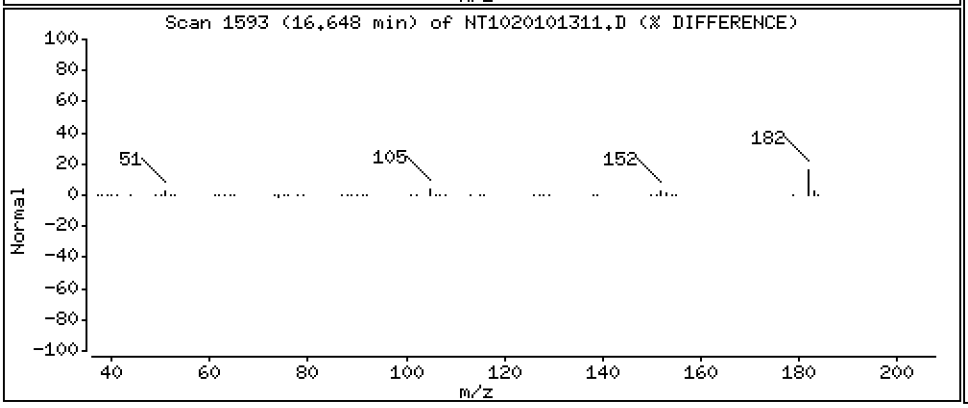
111 Azobenzene (1,2-DP-Hydrazine)

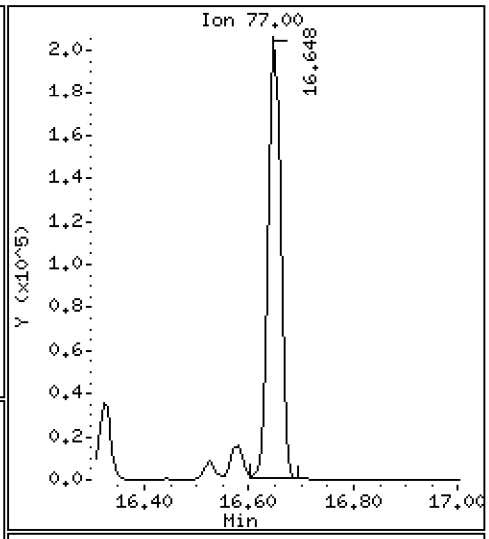
Concentration: 4.401 ug/mL

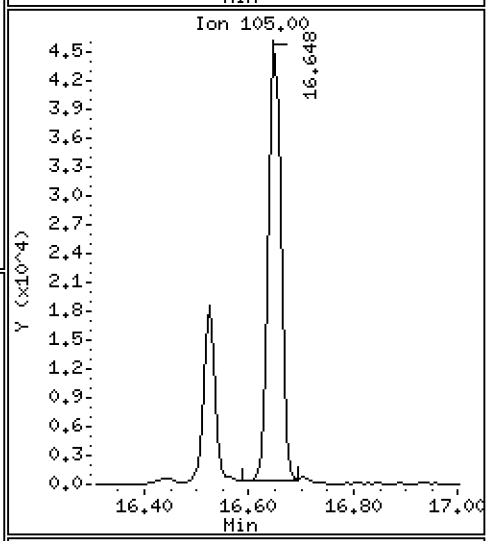


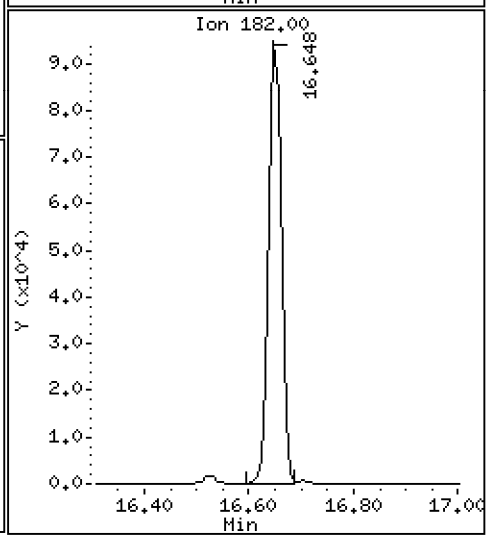












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

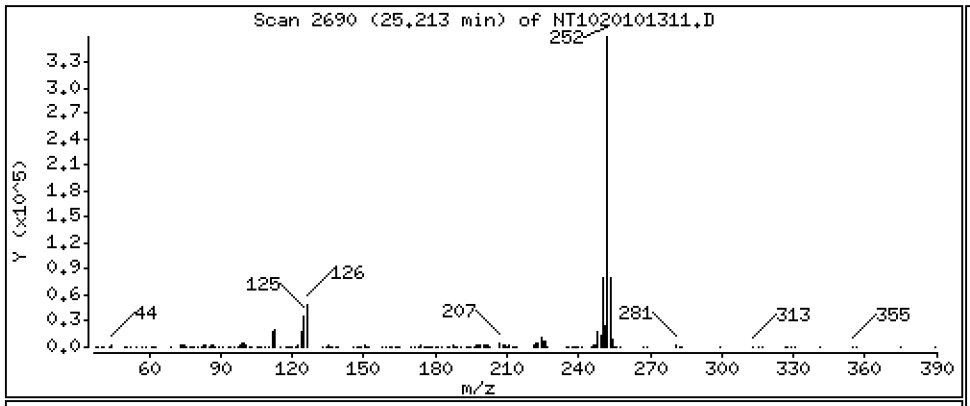
Operator: VTS

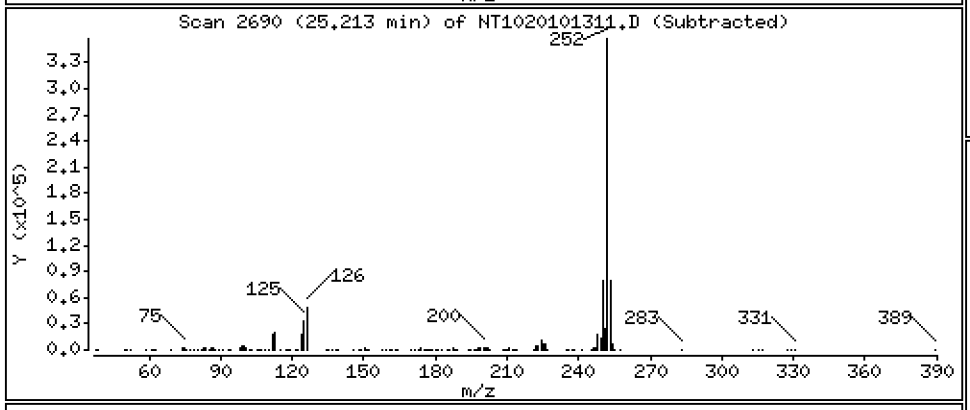
Column phase: ZB-5msi

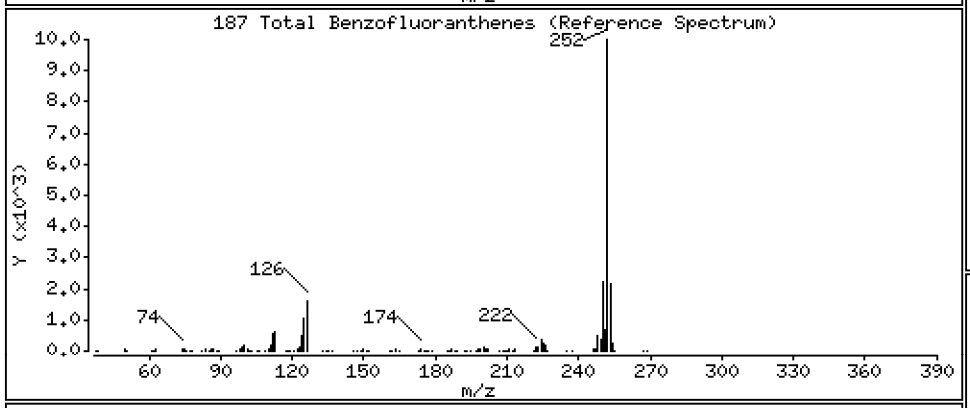
Column diameter: 0.25

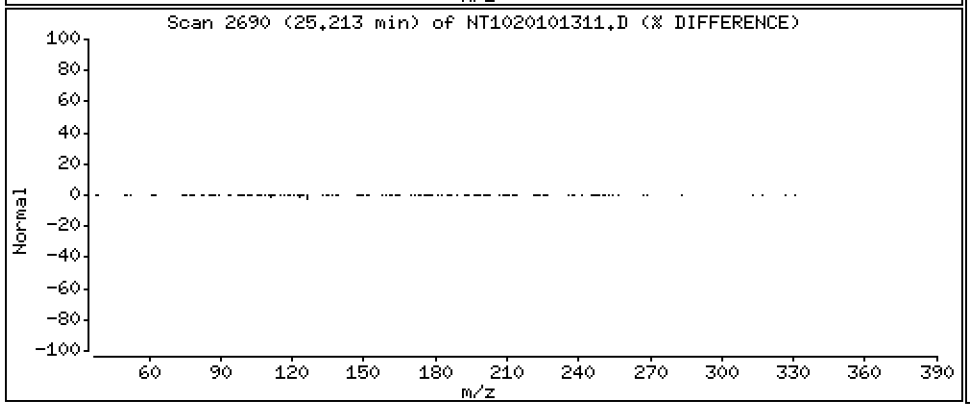
187 Total Benzofluoranthenes

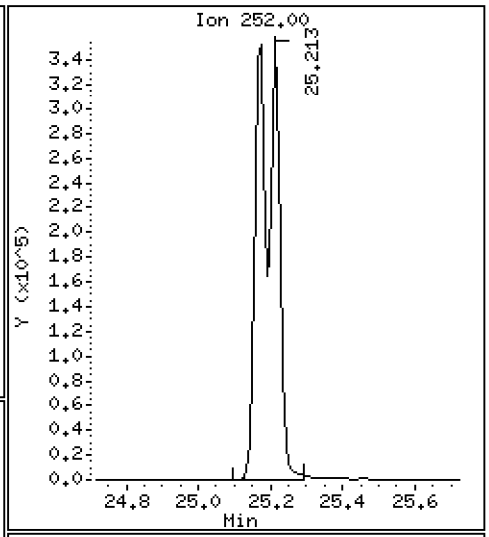
Concentration: 9.603 ug/mL

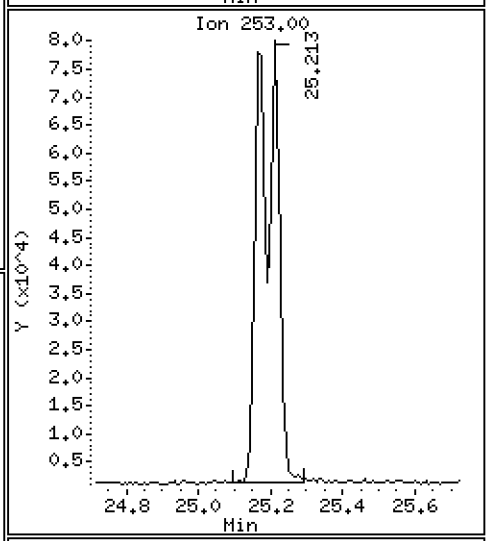


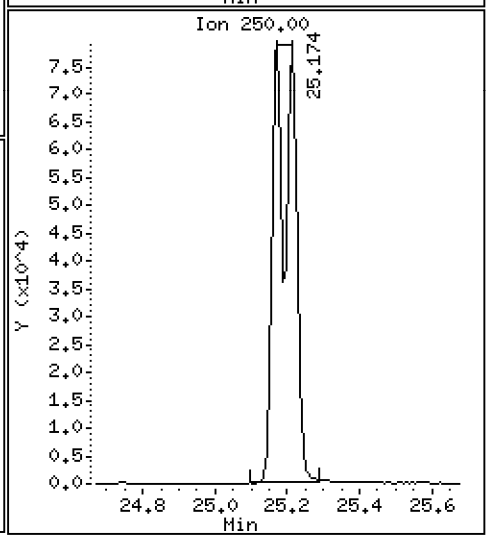












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

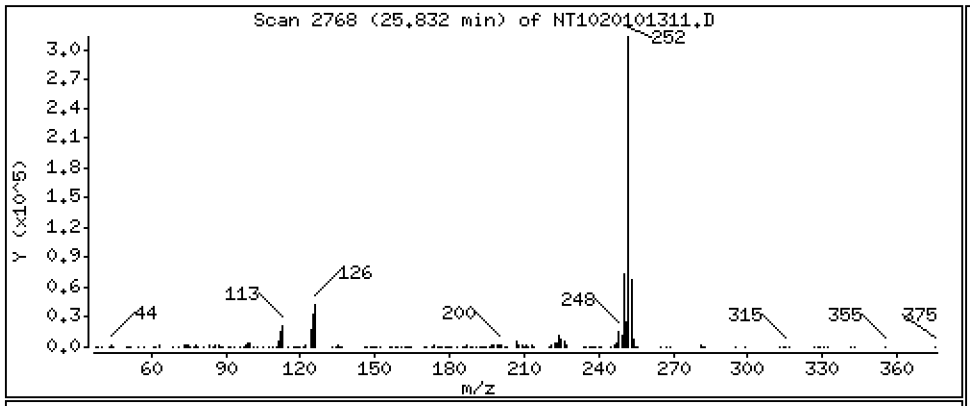
Operator: VTS

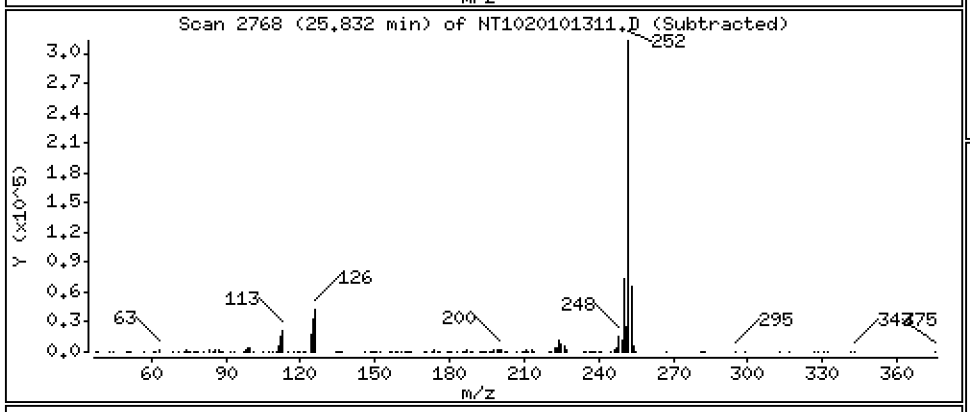
Column phase: ZB-5msi

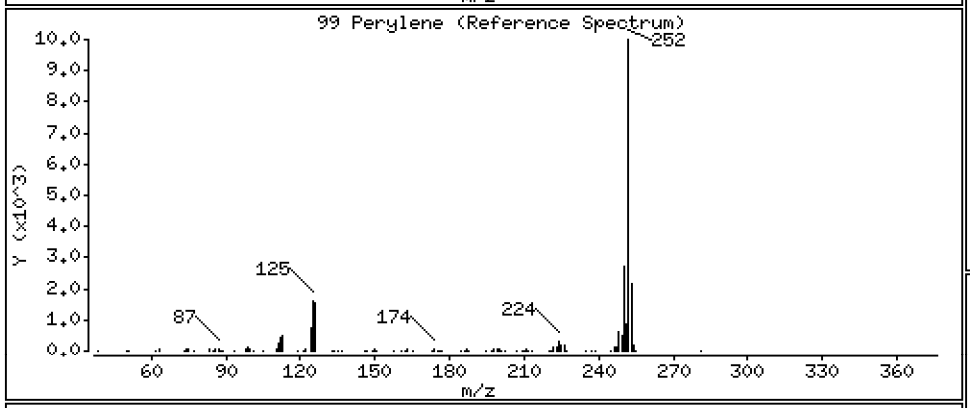
Column diameter: 0.25

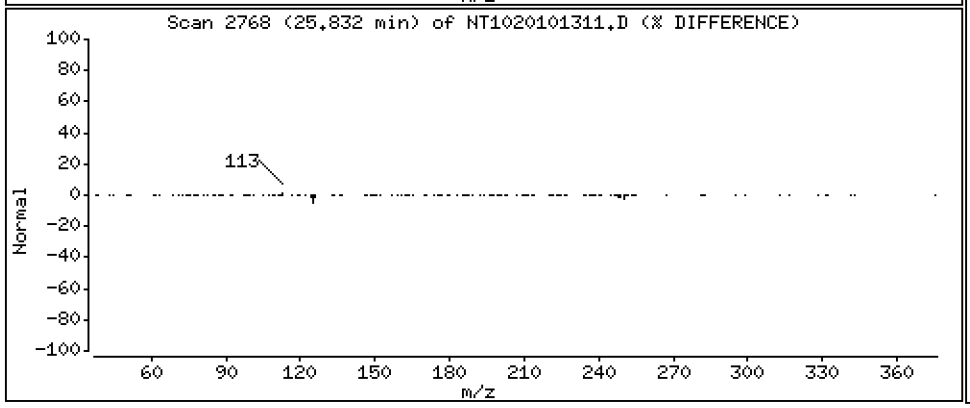
99 Perylene

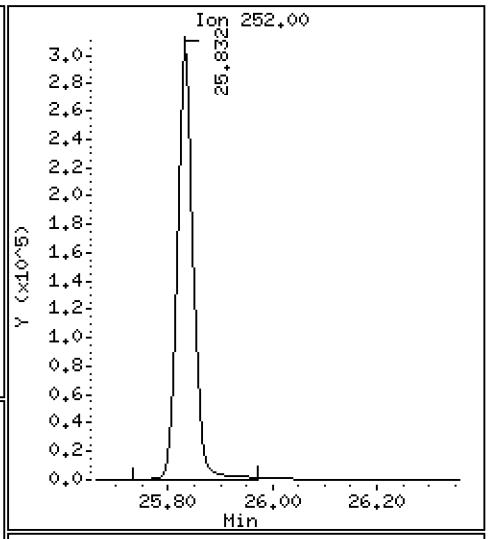
Concentration: 6.282 ug/mL

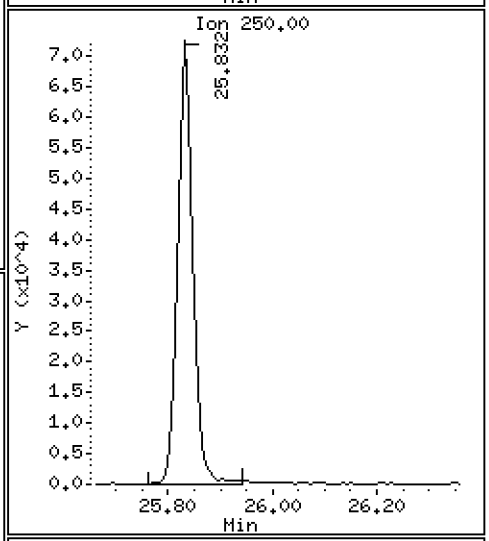


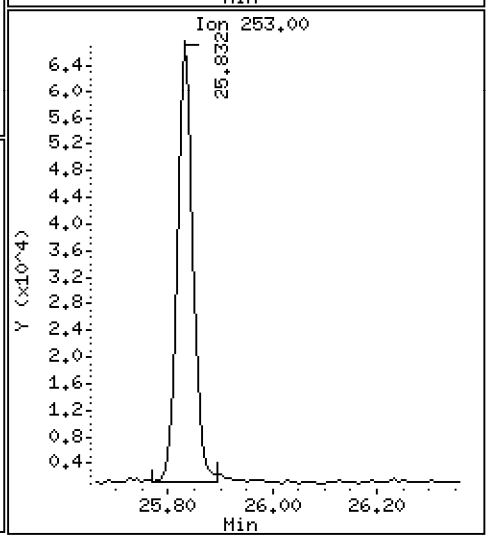












Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D

Date : 13-OCT-2020 15:40

Client ID:

Instrument: nt10.i

Sample Info: SIJ0179-SCV1

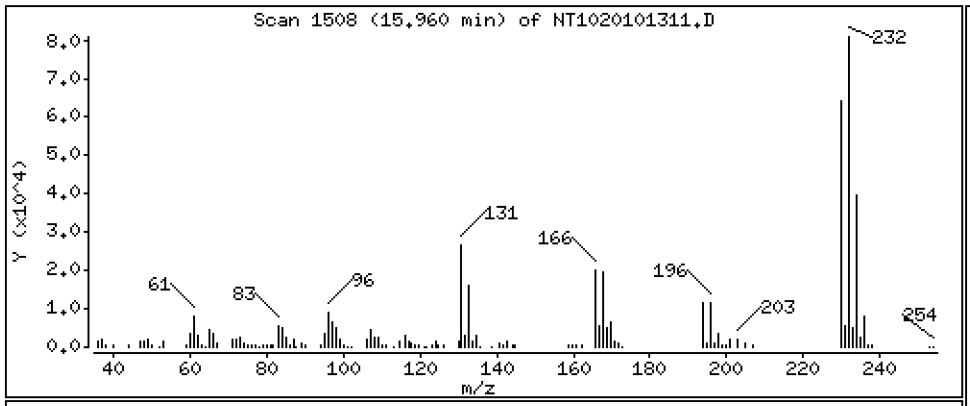
Operator: VTS

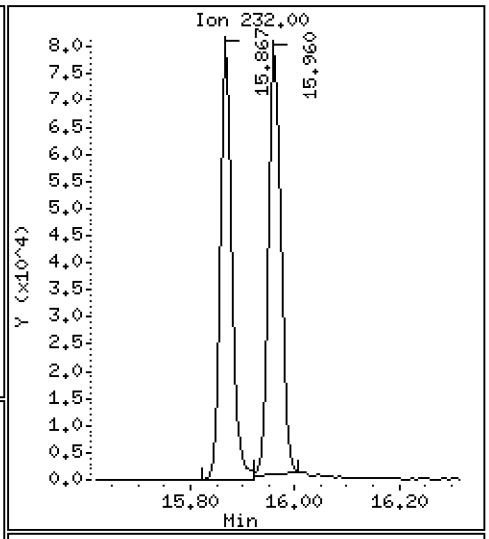
Column phase: ZB-5msi

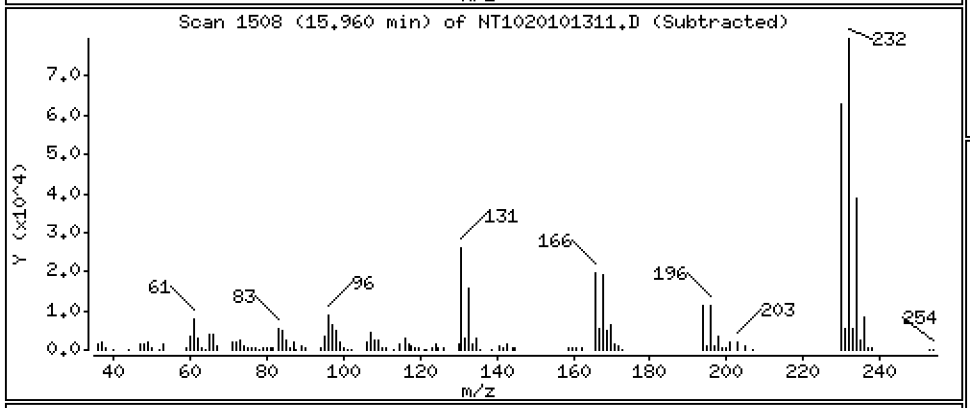
Column diameter: 0.25

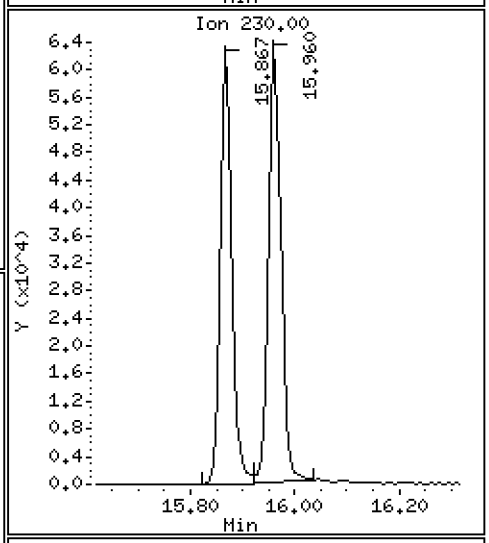
120 2,3,4,6-Tetrachlorophenol

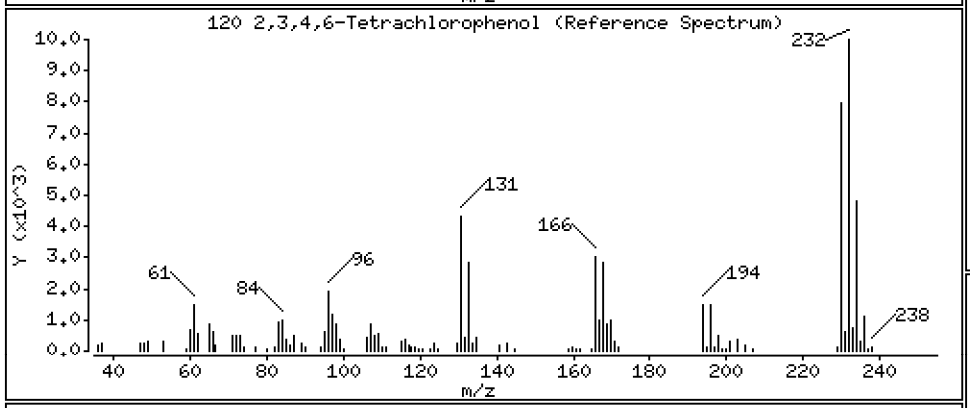
Concentration: 3.956 ug/mL

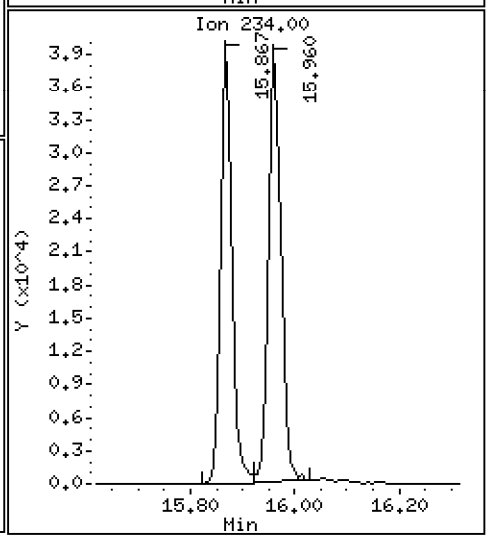


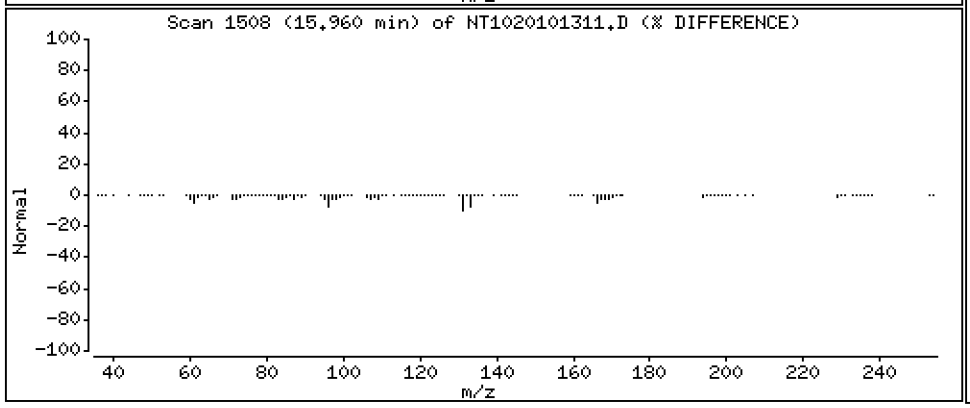












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201013.b\NT1020101311.D
Lab Smp Id: SIJ0179-SCV1
Inj Date : 13-OCT-2020 15:40
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0179-SCV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Meth Date : 14-Oct-2020 15:43 nt10.i Quant Type: ISTD
Cal Date : 13-OCT-2020 16:56 Cal File: NT1020101313.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1	2-Fluorophenol	112	Compound Not Detected.					
$ 2	Phenol-d5	99	Compound Not Detected.					
3	Phenol	94	8.537	8.536	(0.932)	239723	5.12693	5.127
$ 5	2-Chlorophenol-d4	132	Compound Not Detected.					
4	Bis(2-Chloroethyl)ether	93	8.706	8.706	(0.951)	189152	4.91990	4.920
6	2-Chlorophenol	128	8.822	8.822	(0.964)	225134	4.92140	4.921
7	1,3-Dichlorobenzene	146	9.093	9.093	(0.993)	243824	4.57909	4.579
* 8	1,4-Dichlorobenzene-d4	152	9.155	9.163	(1.000)	124685	4.00000	
9	1,4-Dichlorobenzene	146	9.186	9.186	(1.003)	204109	4.55897	4.559
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
12	1,2-Dichlorobenzene	146	9.543	9.543	(1.042)	205007	4.33474	4.335
11	Benzyl alcohol	108	9.427	9.427	(1.030)	108796	4.42357	4.424
14	2,2'-oxybis(1-Chloropropane)	121	9.730	9.722	(1.063)	63494	4.44035	4.440
13	2-Methylphenol	108	9.644	9.644	(1.053)	144731	4.57228	4.572
17	Hexachloroethane	117	10.126	10.133	(1.106)	78366	4.53801	4.538
16	N-Nitroso-di-n-propylamine	70	9.986	9.986	(1.091)	94242	4.70961	4.710
15	4-Methylphenol	108	9.924	9.916	(1.084)	159440	4.72735	4.727
$ 18	Nitrobenzene-d5	82	Compound Not Detected.					
19	Nitrobenzene	77	10.289	10.288	(0.884)	147879	4.49992	4.500
20	Isophorone	82	10.731	10.731	(0.922)	323475	4.75917	4.759
21	2-Nitrophenol	139	10.919	10.918	(0.938)	129462	4.96726	4.967
22	2,4-Dimethylphenol	107	10.961	10.961	(0.942)	151862	4.63642	4.636
23	Bis(2-Chloroethoxy)methane	93	11.156	11.156	(0.959)	176346	4.75670	4.757
24	Benzoic acid	105	11.114	11.148	(0.955)	154334	7.18267	7.183
25	2,4-Dichlorophenol	162	11.360	11.360	(0.976)	208129	5.39255	5.393
26	1,2,4-Trichlorobenzene	180	11.542	11.550	(0.992)	189474	4.48174	4.482
* 27	Naphthalene-d8	136	11.635	11.635	(1.000)	408464	4.00000	
28	Naphthalene	128	11.674	11.673	(1.003)	487994	4.72804	4.728
29	4-Chloroaniline	127	11.812	11.812	(1.015)	226573	4.94535	4.945
30	Hexachlorobutadiene	225	12.029	12.029	(1.034)	118961	4.73357	4.734
31	4-Chloro-3-methylphenol	107	12.756	12.756	(1.096)	162416	5.03170	5.032
32	2-Methylnaphthalene	142	13.066	13.066	(1.123)	465845	4.90936	4.909
33	Hexachlorocyclopentadiene	237	13.523	13.522	(0.888)	185549	5.61053	5.611

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.677	13.685	(0.898)	154382	5.17562	5.176
	35 2,4,5-Trichlorophenol	196	13.755	13.754	(0.903)	167288	5.06216	5.062
$	36 2-Fluorobiphenyl	172	Compound Not Detected.					
	37 2-Chloronaphthalene	162	14.049	14.056	(0.922)	454319	4.78328	4.783
	38 2-Nitroaniline	65	14.320	14.319	(0.940)	85577	5.32550	5.326
	39 Dimethylphthalate	163	14.745	14.745	(0.968)	437419	4.79646	4.796
	40 Acenaphthylene	152	14.923	14.923	(0.980)	614128	4.09626	4.096
	41 2,6-Dinitrotoluene	165	14.893	14.892	(0.978)	102487	4.87251	4.873
*	42 Acenaphthene-d10	164	15.233	15.232	(1.000)	233555	4.00000	
	43 3-Nitroaniline	138	15.171	15.171	(0.996)	118602	5.16678	5.167
	44 Acenaphthene	153	15.302	15.302	(1.005)	342691	4.52257	4.523
	45 2,4-Dinitrophenol	184	15.380	15.387	(1.010)	39380	2.53932	2.539
	46 Dibenzofuran	168	15.627	15.627	(1.026)	577446	4.86591	4.866
	47 4-Nitrophenol	109	15.488	15.488	(1.017)	31543	4.45129	4.451
	48 2,4-Dinitrotoluene	165	15.689	15.696	(1.030)	136471	4.91219	4.912
	50 Diethylphthalate	149	16.191	16.199	(1.063)	380738	4.69346	4.693
	49 Fluorene	166	16.338	16.338	(1.073)	427552	4.39016	4.390
	51 4-Chlorophenyl-phenylether	204	16.323	16.330	(1.072)	234870	4.64887	4.649
	52 4-Nitroaniline	138	16.439	16.446	(1.079)	140766	4.93382	4.934
	53 4,6-Dinitro-2-methylphenol	198	16.524	16.531	(0.905)	104334	5.02340	5.023
	54 N-Nitrosodiphenylamine	169	16.578	16.577	(0.908)	367194	6.35390	6.354
$	55 2,4,6-Tribromophenol	330	16.709	16.870	(1.097)	352	0.01786	0.01786
	56 4-Bromophenyl-phenylether	248	17.326	17.325	(0.949)	220844	4.86385	4.864
	57 Hexachlorobenzene	284	17.642	17.642	(0.966)	205230	4.50463	4.505
	58 Pentachlorophenol	266	17.999	17.998	(0.986)	84714	4.28883	4.289
*	59 Phenanthrene-d10	188	18.262	18.261	(1.000)	450104	4.00000	
	60 Phenanthrene	178	18.316	18.315	(1.003)	584403	4.92739	4.927
	61 Anthracene	178	18.409	18.408	(1.008)	616939	4.79375	4.794
	62 Carbazole	167	18.741	18.741	(1.026)	649242	5.03614	5.036
	63 Di-n-butylphthalate	149	19.531	19.530	(1.069)	760237	4.79975	4.800
	64 Fluoranthene	202	20.691	20.691	(0.888)	837101	4.69282	4.693
	65 Pyrene	202	21.117	21.116	(0.906)	885552	4.80208	4.802
$	66 Terphenyl-d14	244	Compound Not Detected.					
	67 Butylbenzylphthalate	149	22.324	22.324	(0.958)	281238	4.87635	4.876
	68 Benzo(a)anthracene	228	23.277	23.276	(0.999)	723014	4.68297	4.683
*	69 Chrysene-d12	240	23.308	23.307	(1.000)	387287	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.238	23.238	(0.997)	619922	10.2443	10.24
	71 Chrysene	228	23.346	23.346	(1.002)	570134	4.83819	4.838
	72 bis(2-Ethylhexyl)phthalate	149	23.346	23.346	(0.959)	322075	4.94259	4.943
*	134 Di-n-octylphthalate-d4	153	24.337	24.337	(1.000)	551837	4.00000	
	73 Di-n-octylphthalate	149	24.345	24.345	(1.000)	694322	4.79490	4.795
	74 Benzo(b)fluoranthene	252	25.173	25.173	(0.970)	687971	4.75875	4.759
	75 Benzo(k)fluoranthene	252	25.212	25.220	(0.972)	752505	4.98005	4.980
	76 Benzo(a)pyrene	252	25.832	25.831	(0.996)	651179	4.94388	4.944
*	77 Perylene-d12	264	25.948	25.947	(1.000)	387514	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	28.637	28.637	(1.104)	589138	4.70921	4.709
	79 Dibenzo(a,h)anthracene	278	28.645	28.660	(1.104)	466048	4.68129	4.681
	80 Benzo(g,h,i)perylene	276	29.429	29.437	(1.134)	506718	4.69735	4.697
	90 N-Nitrosodimethylamine	74	4.759	4.766	(0.520)	116251	5.86998	5.870
	91 Aniline	93	8.621	8.621	(0.942)	267317	7.42417	7.424
	93 Benzidine	184	20.939	20.938	(0.898)	619929	6.54451	6.545
	103 Pyridine	79	4.782	4.782	(0.522)	186044	5.87190	5.872
	105 1-methylnaphthalene	142	13.283	13.290	(1.142)	453804	5.10328	5.103
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.647	16.654	(1.093)	321162	4.40072	4.401

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.212	25.220	(0.972)	1368947	9.60349	9.603
99 Perylene	252	25.832	26.009	(0.996)	651179	6.28224	6.282
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	15.959	15.967	(1.048)	126204	3.95586	3.956

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020101311.D
Lab Smp Id: SIJ0179-SCV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Misc Info:

Calibration Date: 13-OCT-2020
Calibration Time: 17:35
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	109762	54881	219524	124685	13.60
27 Naphthalene-d8	353207	176604	706414	408464	15.64
42 Acenaphthene-d10	202286	101143	404572	233555	15.46
59 Phenanthrene-d10	390957	195479	781914	450104	15.13
69 Chrysene-d12	336840	168420	673680	387287	14.98
134 Di-n-octylphthala	476401	238201	952802	551837	15.83
77 Perylene-d12	353661	176831	707322	387514	9.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	-0.08
27 Naphthalene-d8	11.64	11.14	12.14	11.64	0.00
42 Acenaphthene-d10	15.23	14.73	15.73	15.23	0.00
59 Phenanthrene-d10	18.26	17.76	18.76	18.26	0.00
69 Chrysene-d12	23.31	22.81	23.81	23.31	0.00
134 Di-n-octylphthala	24.34	23.84	24.84	24.34	0.00
77 Perylene-d12	25.95	25.45	26.45	25.95	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020101311.D

Lab ID: SIJ0179-SCV1
nt10.i, ABN.m, 13-OCT-2020 15:40

RT	CO-ELUTION COMPOUNDS
25.832	Perylene and Benzo(a)pyrene

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.996	1.002	-0.0069	Perylene
1.097	1.108	-0.0106	2,4,6-Tribromophenol

RRT check based on Ccal File: NT1020101314.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Analytical Resources, Incorporated
Analytical Chemists and Consultants

LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, Inc.
SDG: 20I0181
Client: Anchor QEA, LLC
Project: Lower Duwamish AOC4
Calibration: DI00063
Laboratory ID: SIJ0109-LCV1
Sequence: SIJ0109
Standard ID: I009380

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Phenol	0.50000	0.5	5.8	
4-Methylphenol	0.50000	0.5	4.2	
Naphthalene	0.50000	0.5	-0.8	
2-Methylnaphthalene	0.50000	0.5	-8.7	
Acenaphthylene	0.50000	0.5	6.5	
Dimethylphthalate	0.50000	0.6	12.1	
Acenaphthene	0.50000	0.5	-1.5	
Dibenzofuran	0.50000	0.5	-4.4	
Fluorene	0.50000	0.5	2.9	
Phenanthrene	0.50000	0.5	-3.2	
Anthracene	0.50000	0.5	-7.8	
Fluoranthene	0.50000	0.4	-11.4	
Pyrene	0.50000	0.5	-8.1	
Butylbenzylphthalate	0.50000	0.5	3.4	
Benzo(a)anthracene	0.50000	0.5	4.6	
Chrysene	0.50000	0.5	-3.0	
bis(2-Ethylhexyl)phthalate	0.50000	0.5	2.1	
Benzofluoranthenes, Total	1.0000	1.0	2.6	
Benzo(a)pyrene	0.50000	0.5	3.4	
Indeno(1,2,3-cd)pyrene	0.50000	0.5	-1.0	
Dibenzo(a,h)anthracene	0.50000	0.2	-54.2	
Benzo(g,h,i)perylene	0.50000	0.5	6.5	
2-Fluorophenol	0.75000	0.768	2.5	
Phenol-d5	0.75000	0.710	-5.3	
2-Chlorophenol-d4	0.75000	0.783	4.4	
1,2-Dichlorobenzene-d4	0.50000	0.512	2.4	
Nitrobenzene-d5	0.50000	0.519	3.7	
2-Fluorobiphenyl	0.50000	0.526	5.1	
2,4,6-Tribromophenol	0.75000	0.666	-11.2	

Analytical Resources, Incorporated
Analytical Chemists and Consultants

LOW-CONCENTRATION CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Analytical Resources, Inc.
SDG: 20I0181
Client: Anchor QEA, LLC
Project: Lower Duwamish AOC4
Calibration: DI00063
Laboratory ID: SIJ0109-LCV1
Sequence: SIJ0109
Standard ID: I009380

p-Terphenyl-d14	0.50000	0.501	0.2	

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Page 1

Date : 08-OCT-2020 12:27

Client ID:

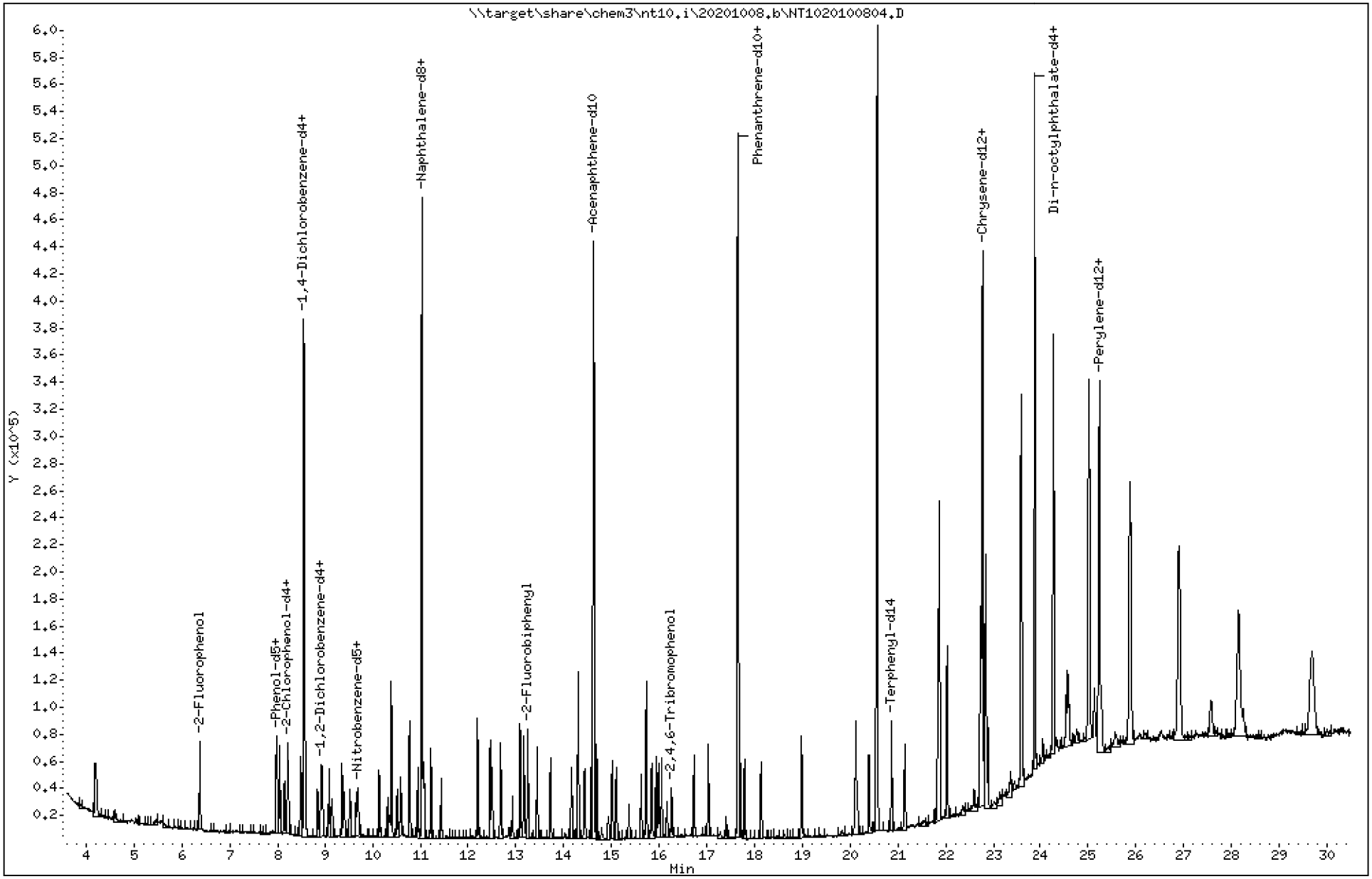
Instrument: nt10.i

Sample Info: SIJ0109-LCV1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

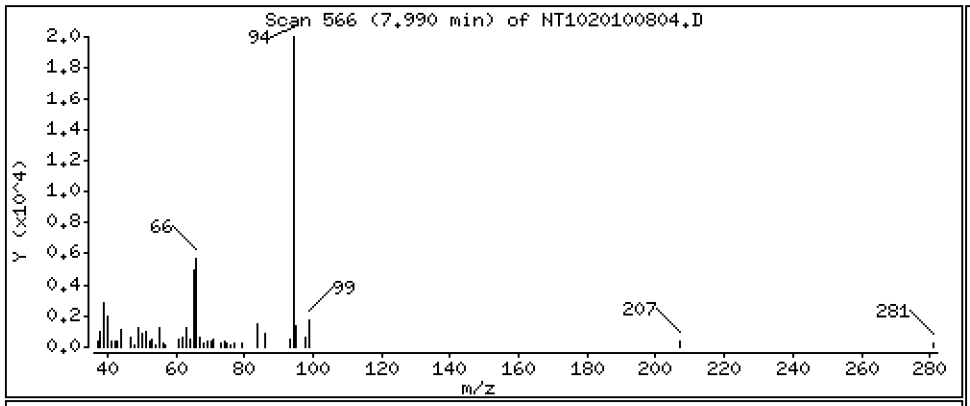
Operator: VTS

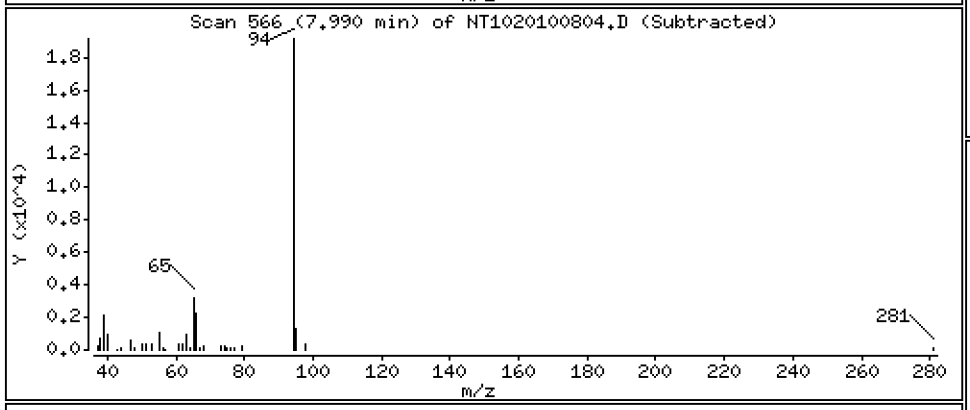
Column phase: ZB-5msi

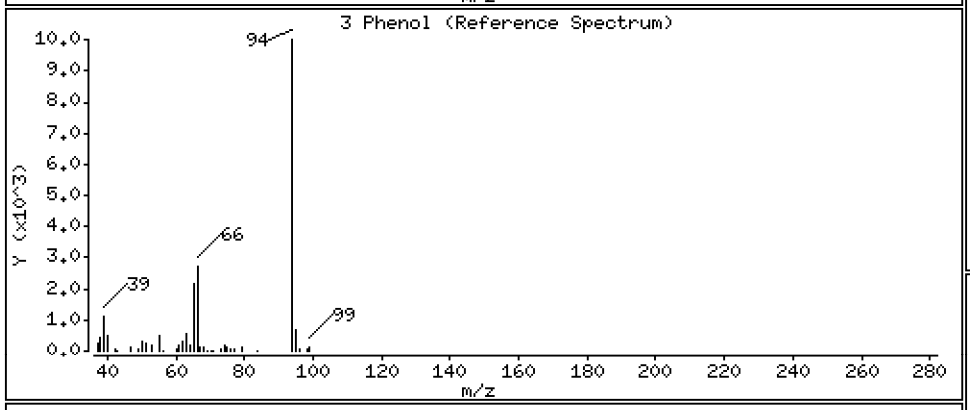
Column diameter: 0.25

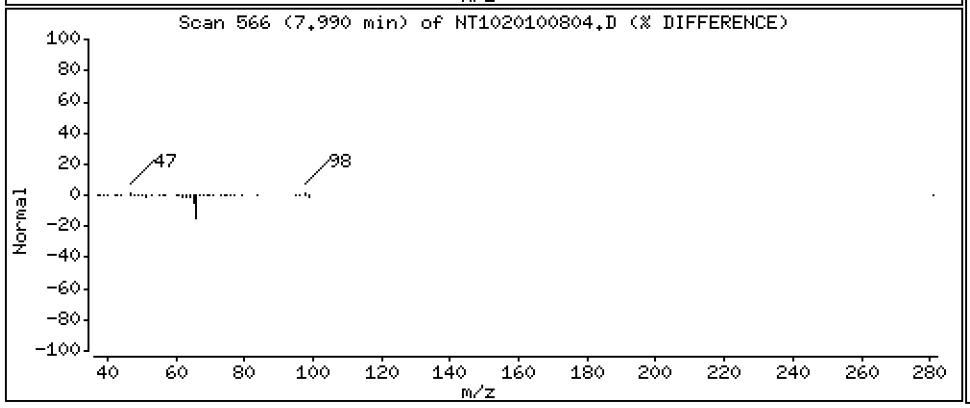
3 Phenol

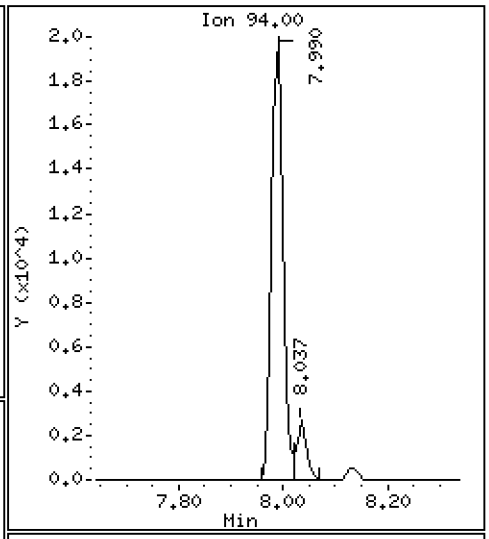
Concentration: 0.5291 ug/mL

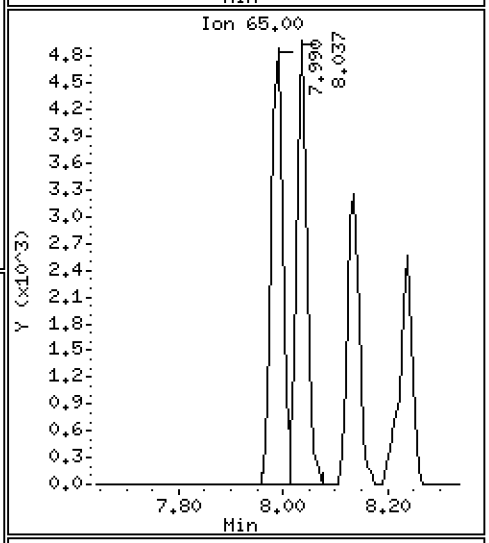


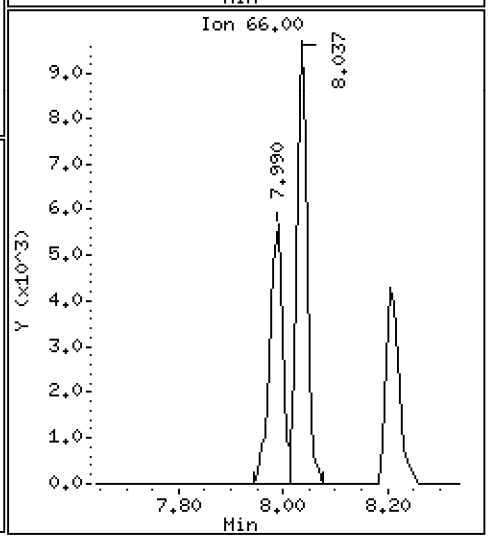












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

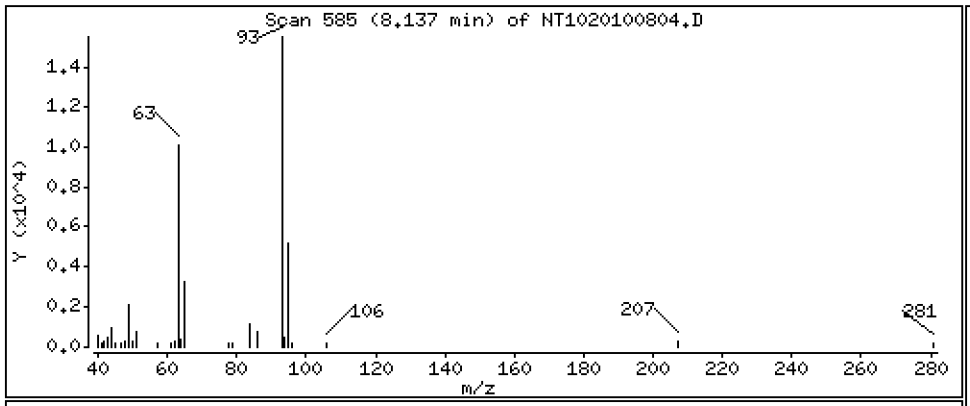
Operator: VTS

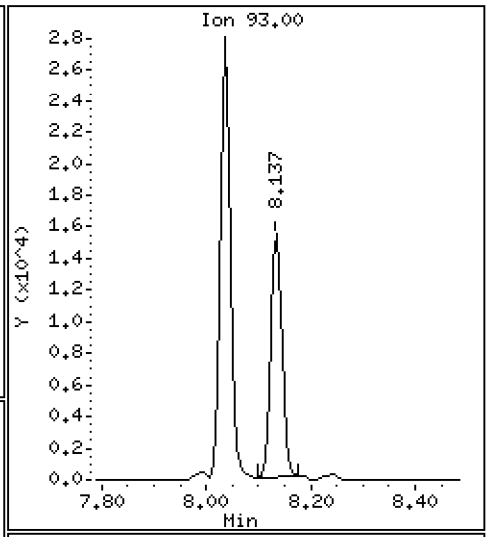
Column phase: ZB-5msi

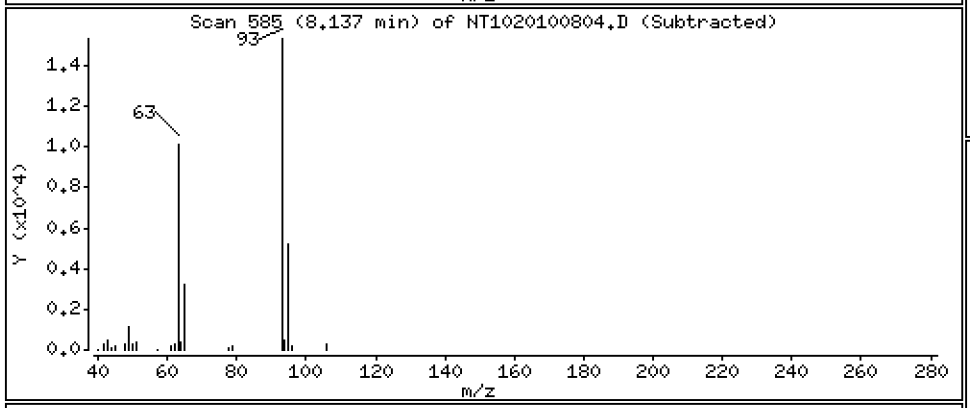
Column diameter: 0.25

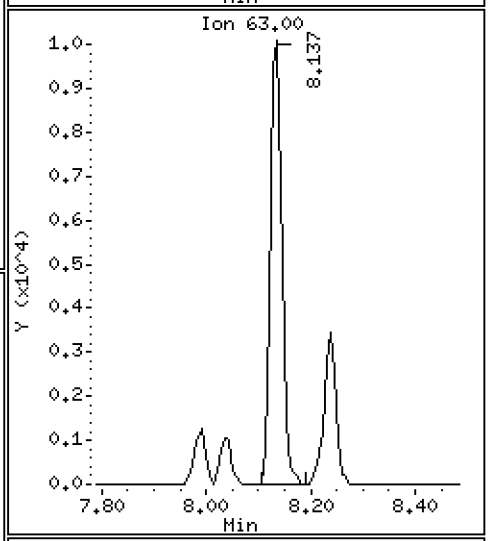
4 Bis(2-Chloroethyl)ether

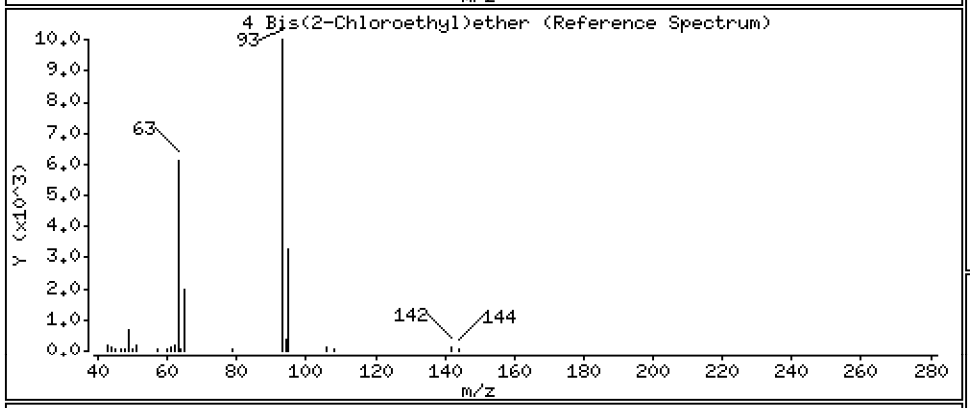
Concentration: 0.5160 ug/mL

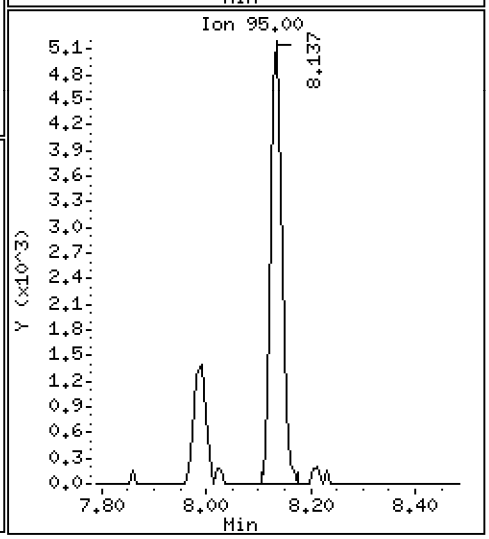


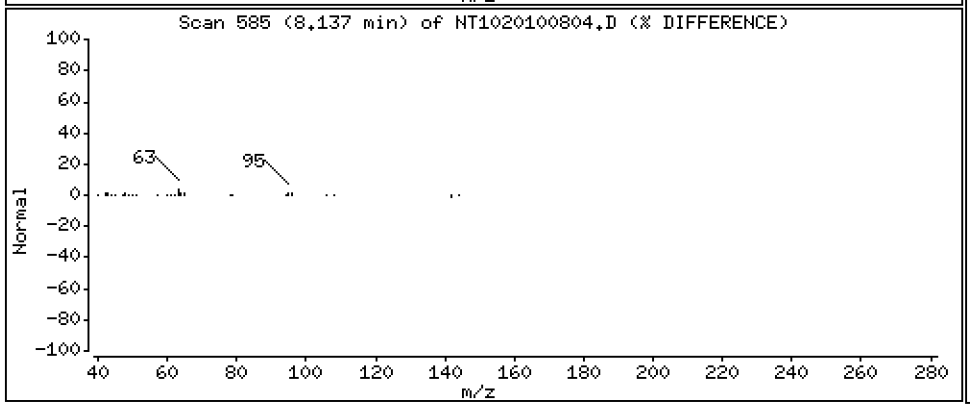












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

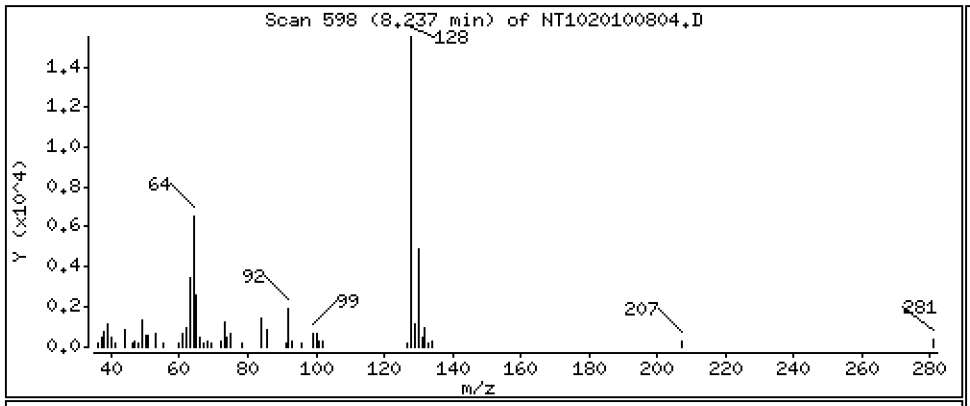
Operator: VTS

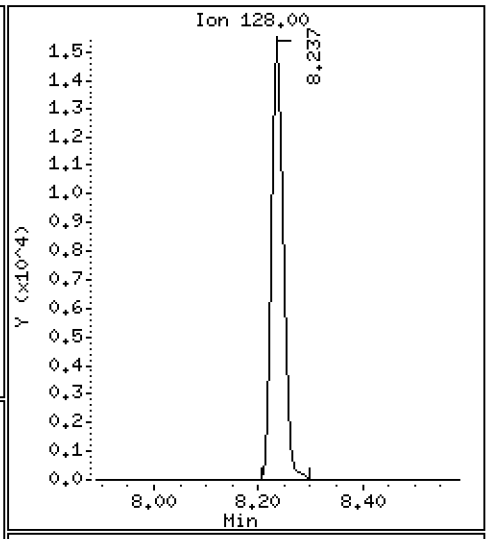
Column phase: ZB-5msi

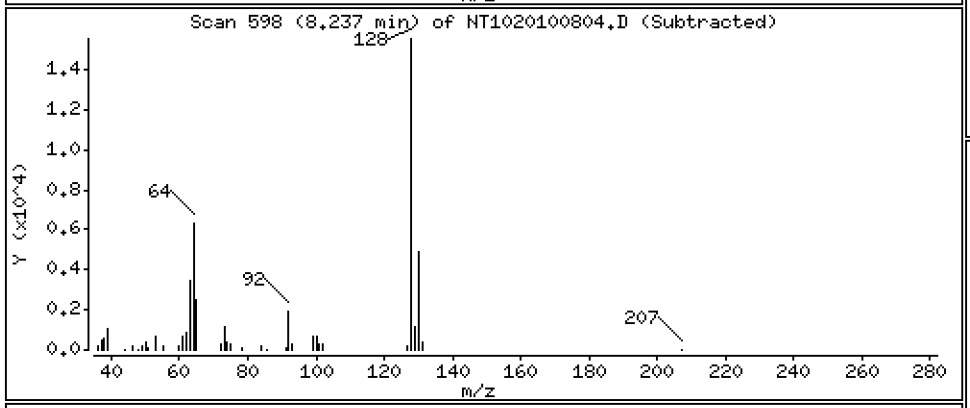
Column diameter: 0.25

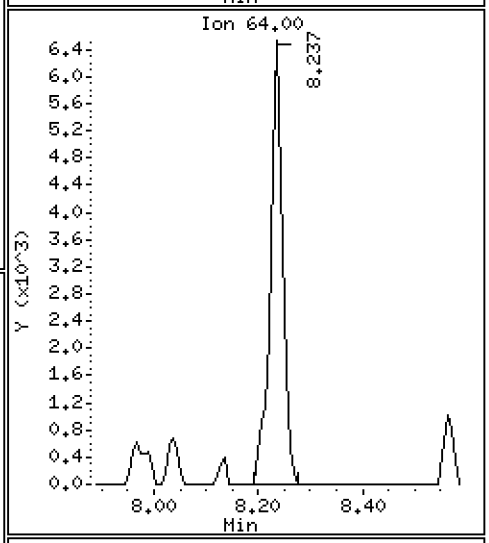
6 2-Chlorophenol

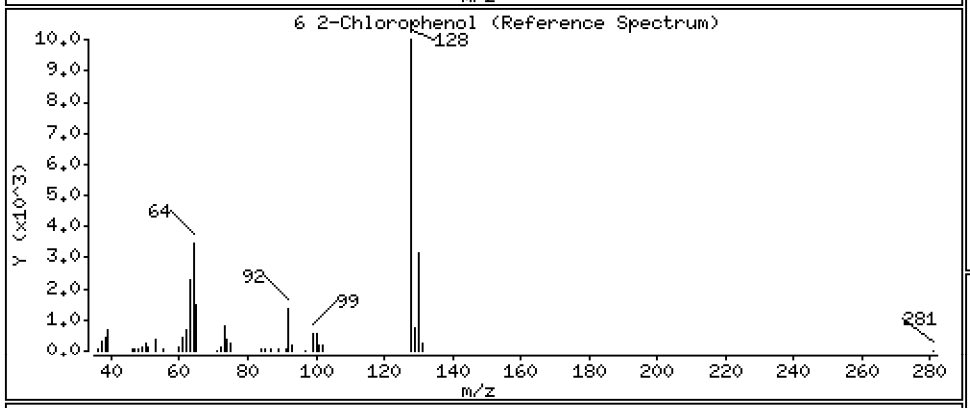
Concentration: 0.5364 ug/mL

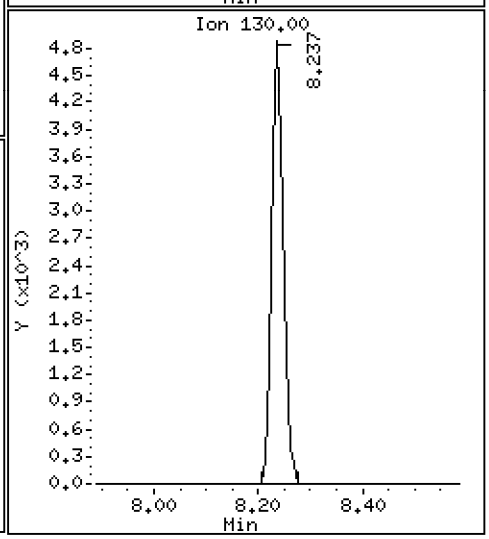


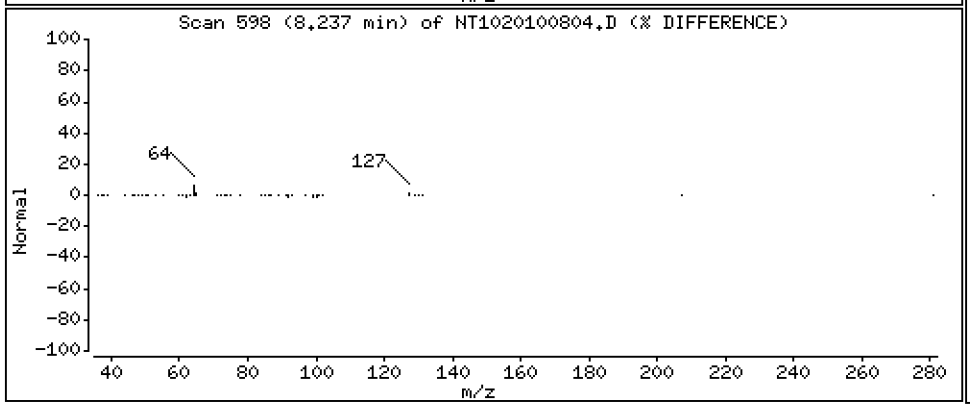












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

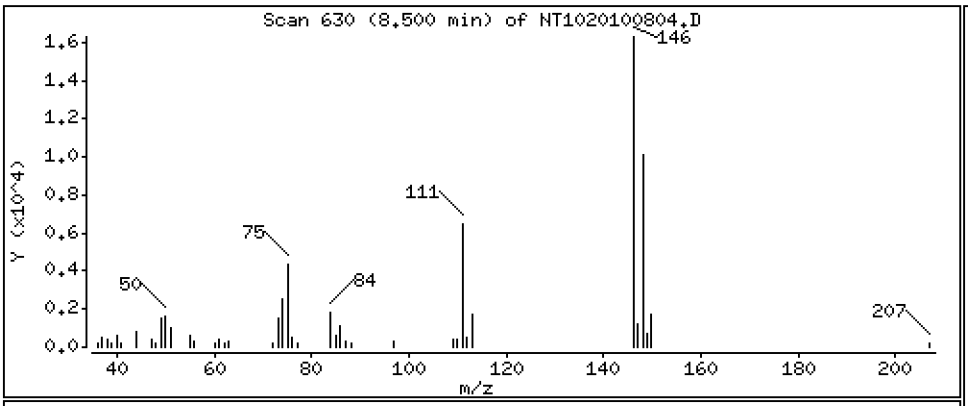
Operator: VTS

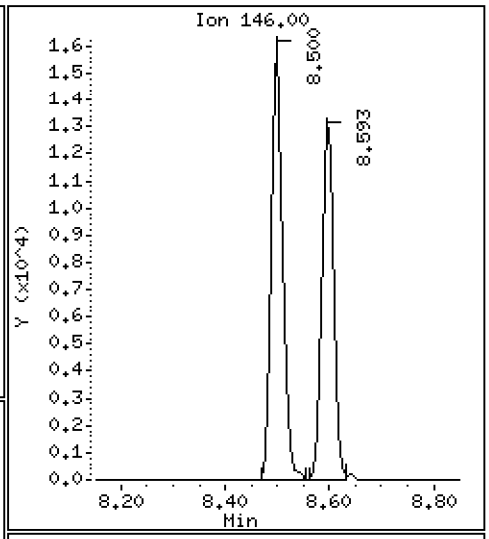
Column phase: ZB-5msi

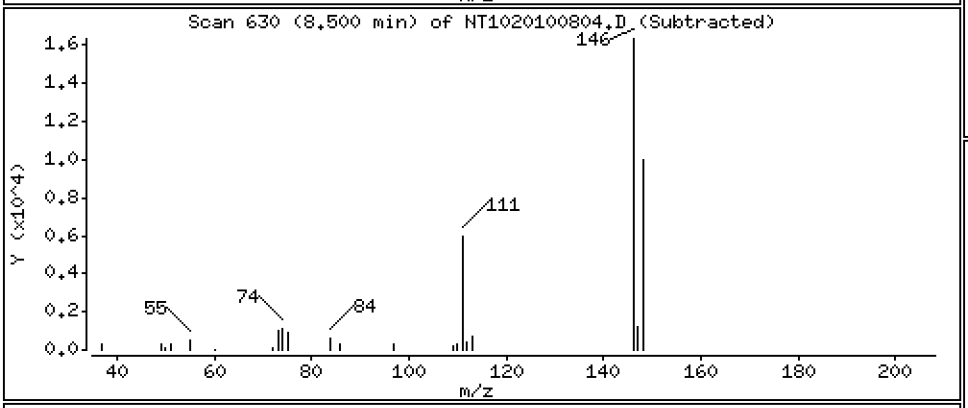
Column diameter: 0.25

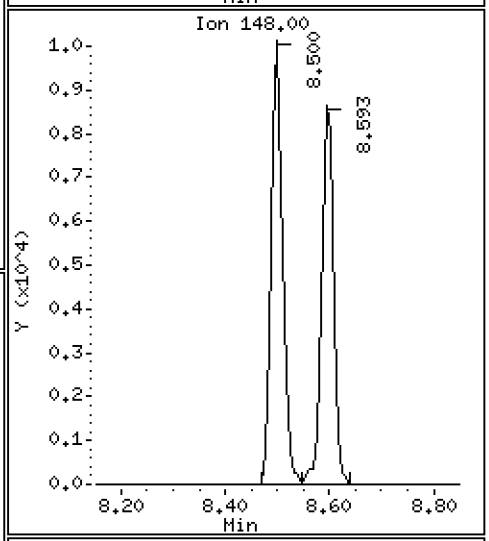
7 1,3-Dichlorobenzene

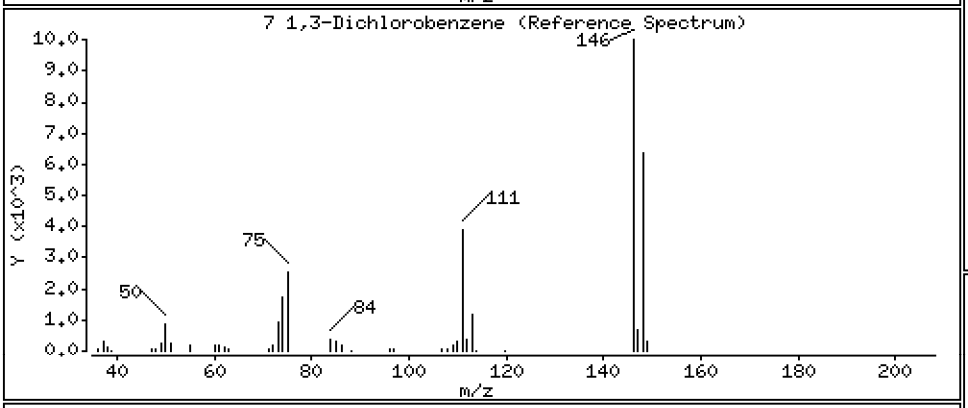
Concentration: 0.5260 ug/mL

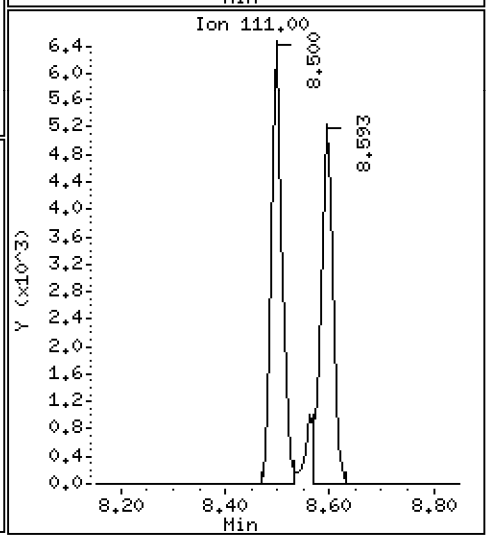


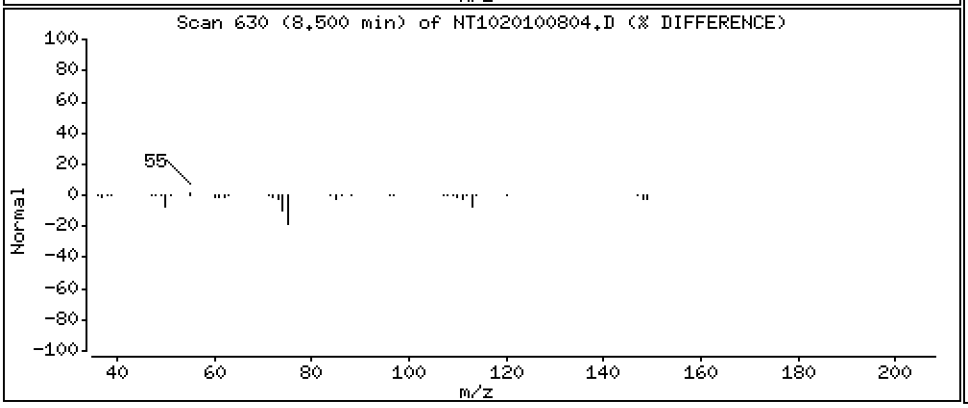












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

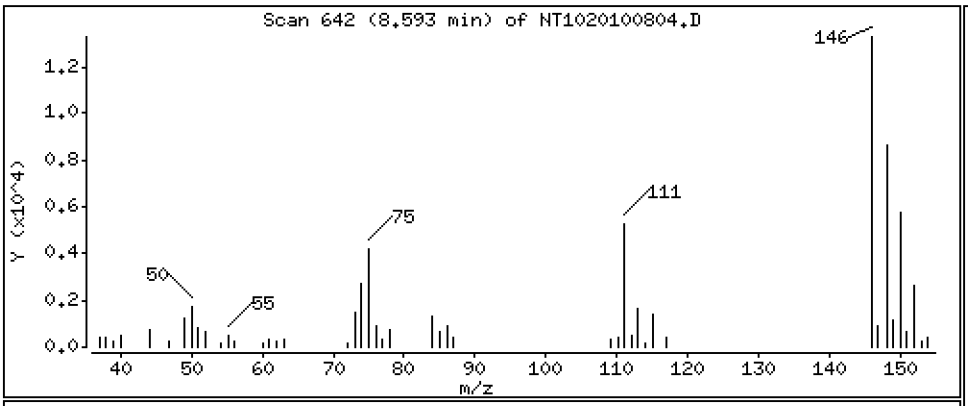
Operator: VTS

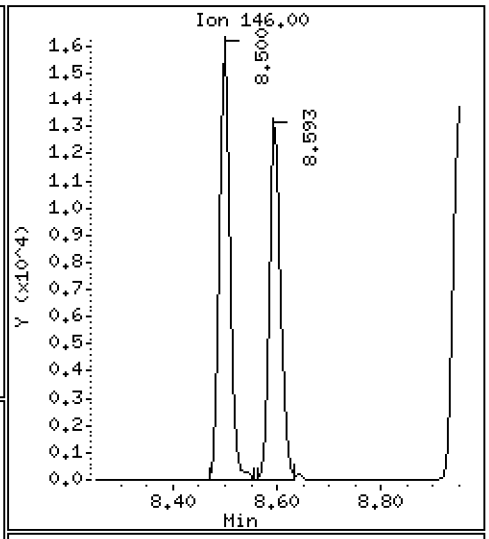
Column phase: ZB-5msi

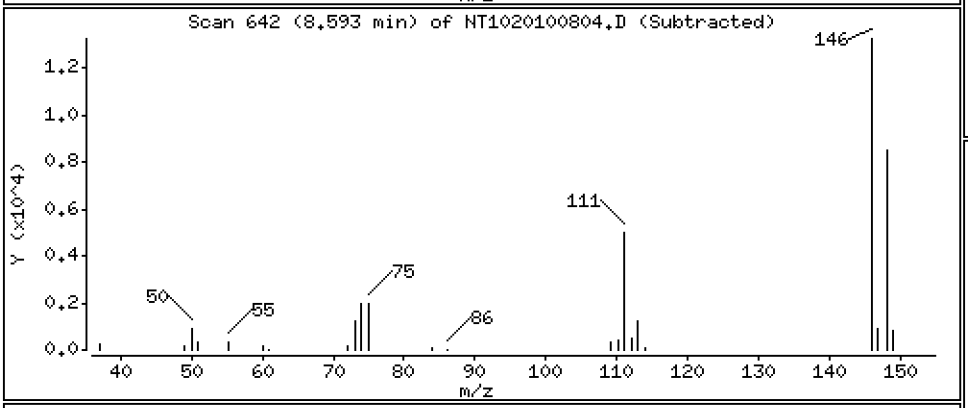
Column diameter: 0.25

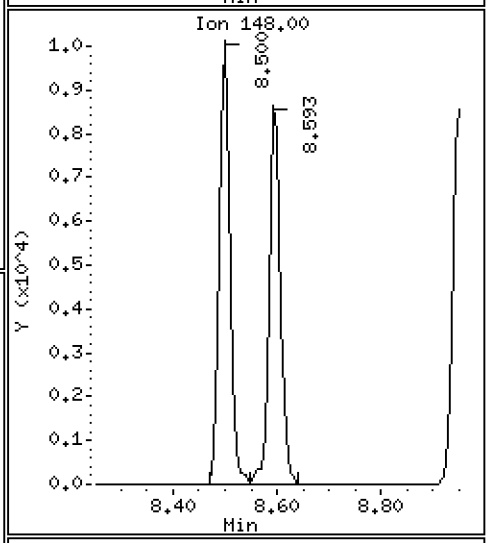
9 1,4-Dichlorobenzene

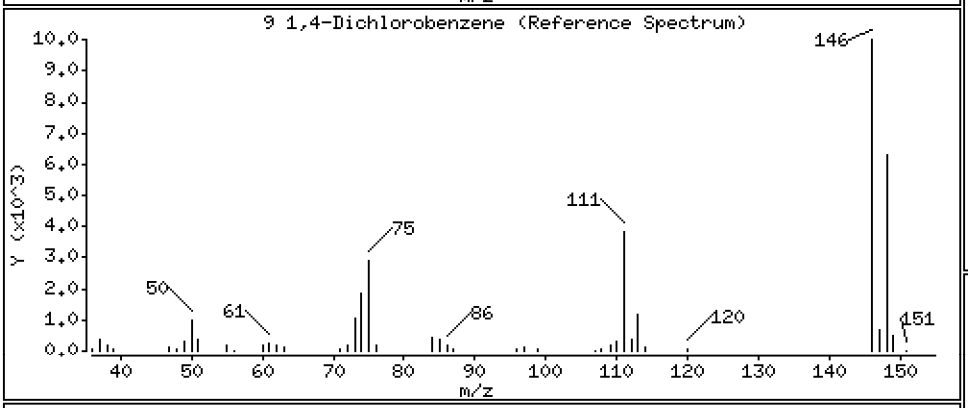
Concentration: 0.5079 ug/mL

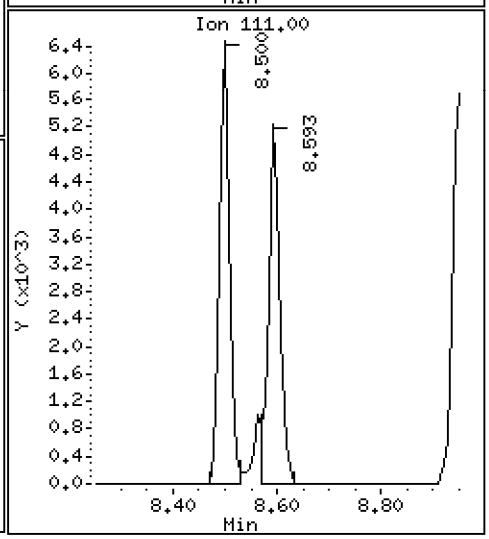


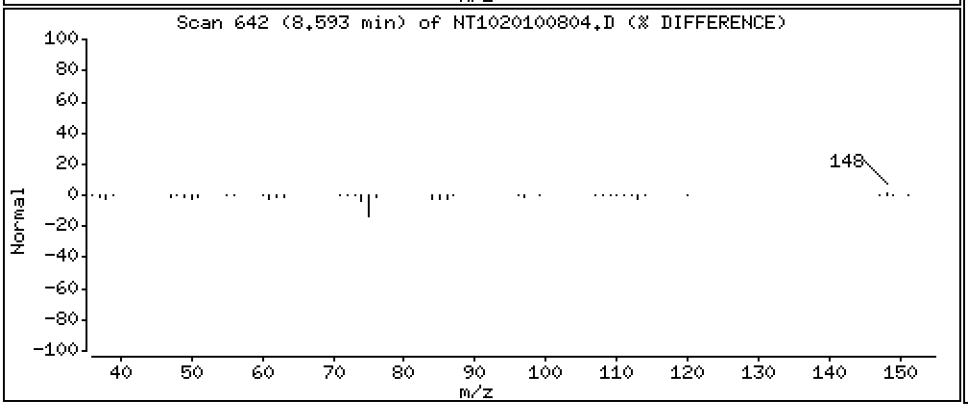












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

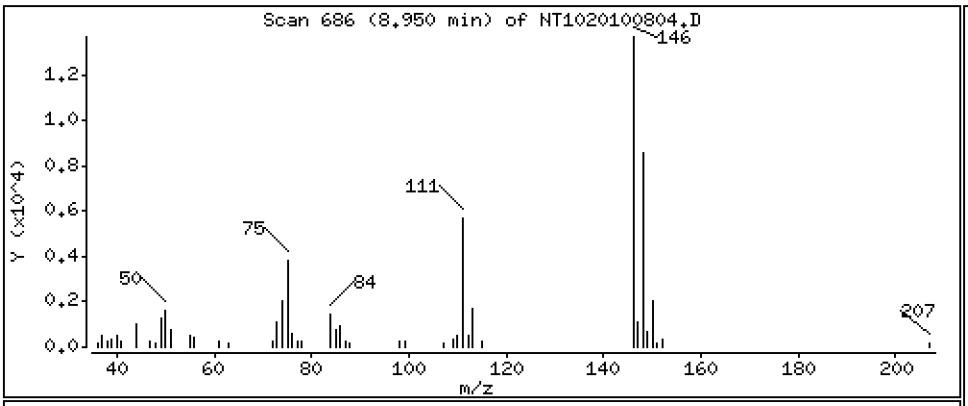
Operator: VTS

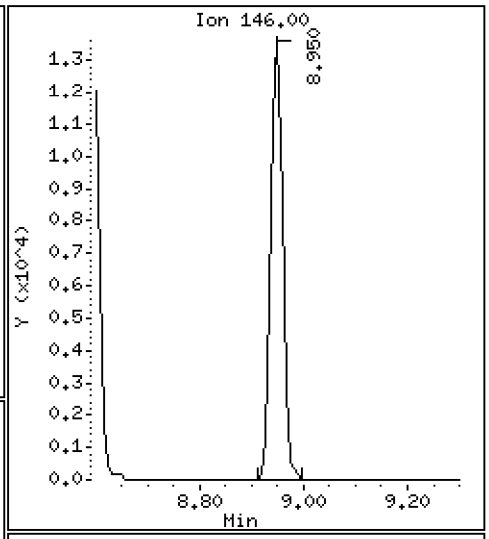
Column phase: ZB-5msi

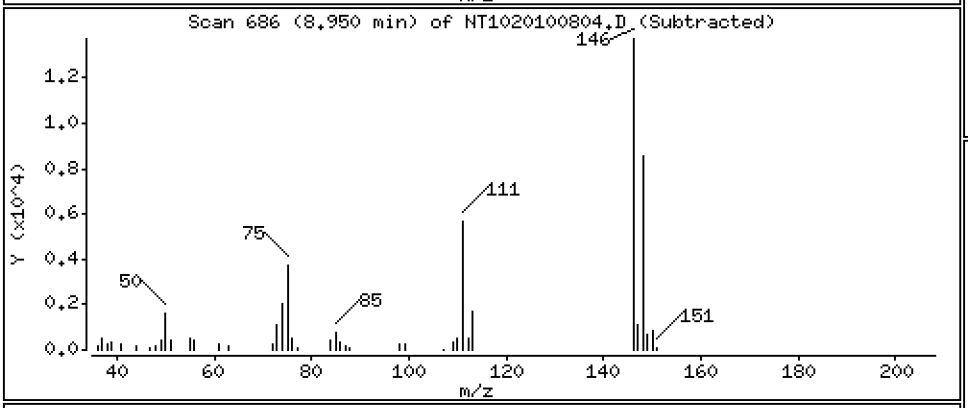
Column diameter: 0.25

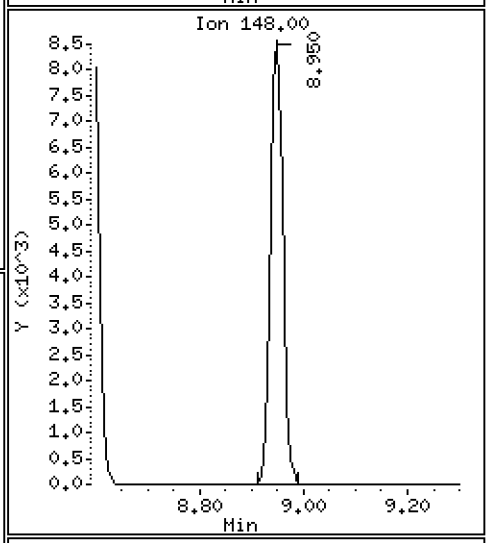
12 1,2-Dichlorobenzene

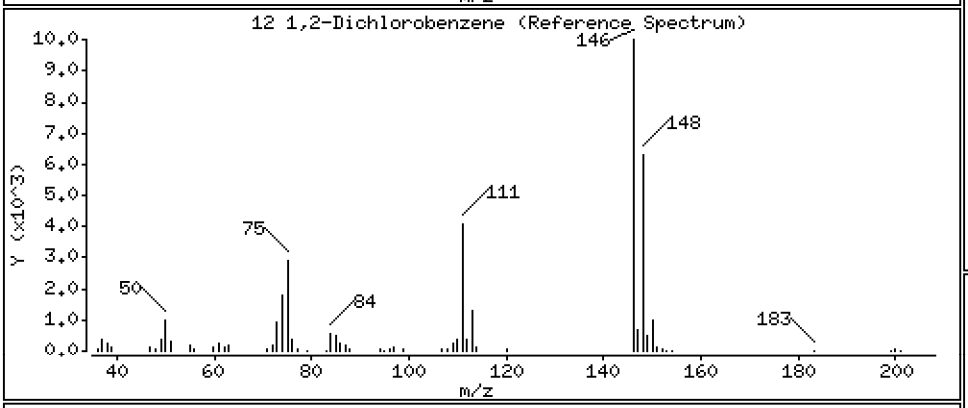
Concentration: 0.5041 ug/mL

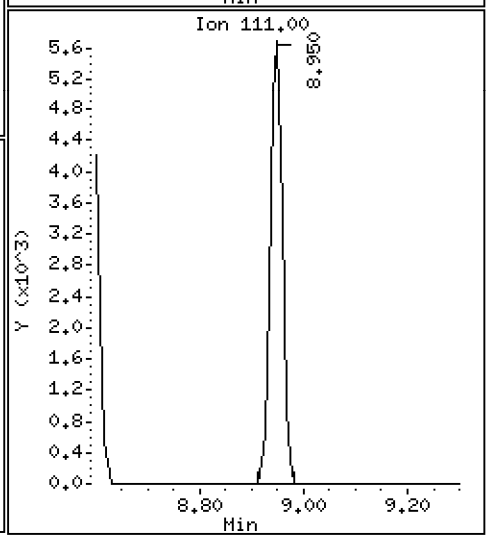


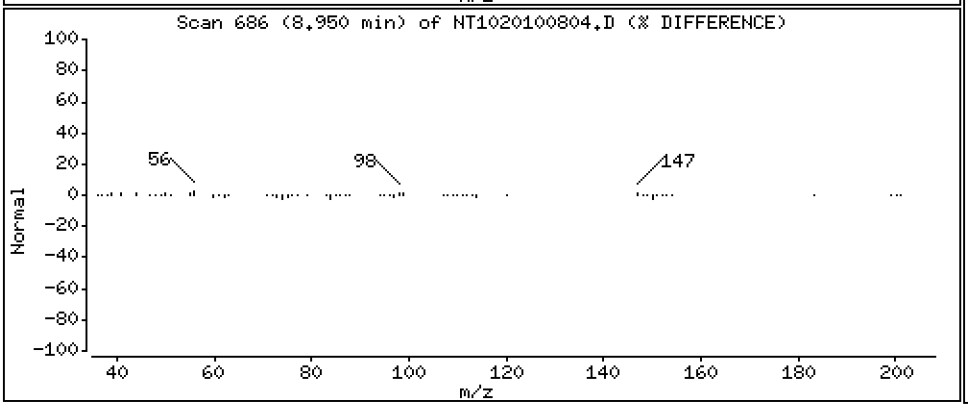












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

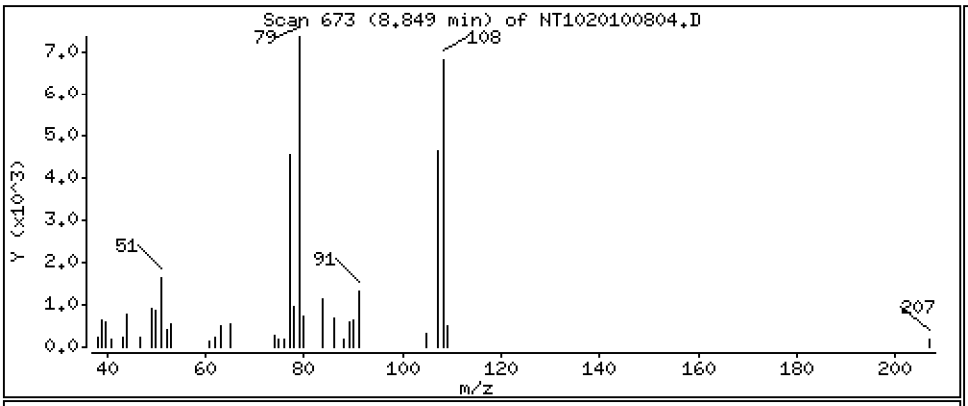
Operator: VTS

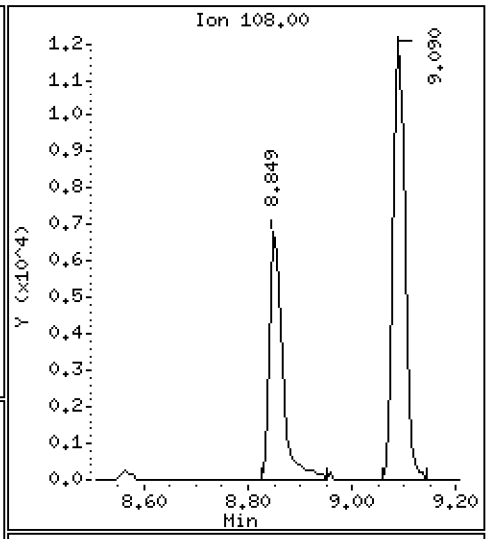
Column phase: ZB-5msi

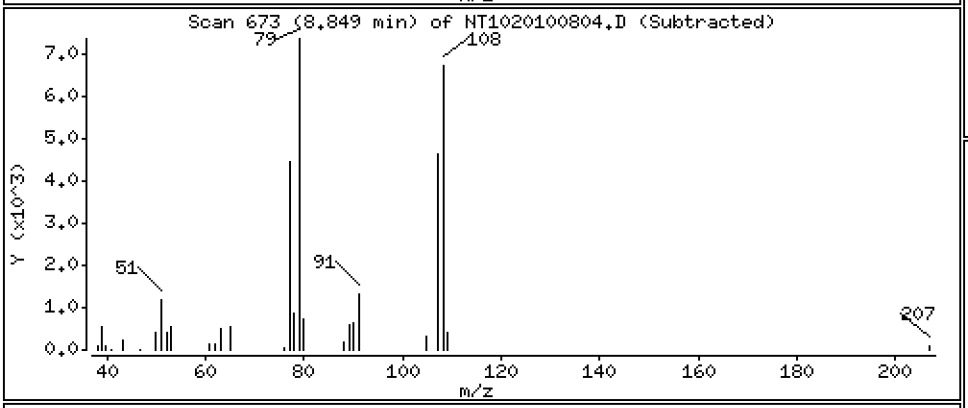
Column diameter: 0.25

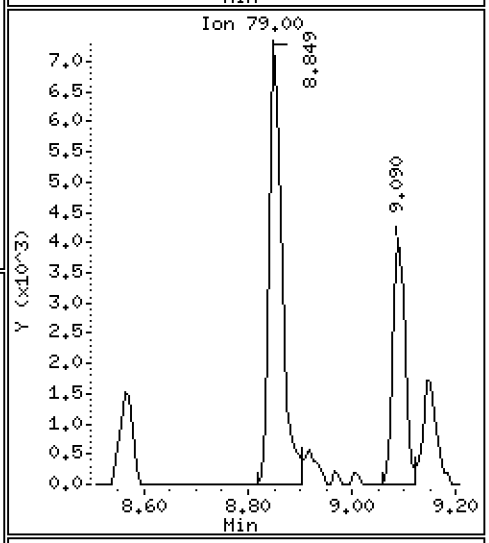
11 Benzyl alcohol

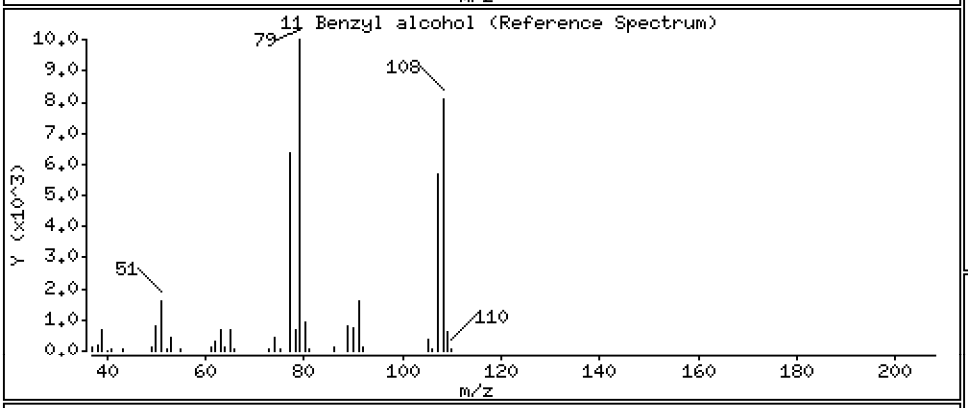
Concentration: 0.4937 ug/mL

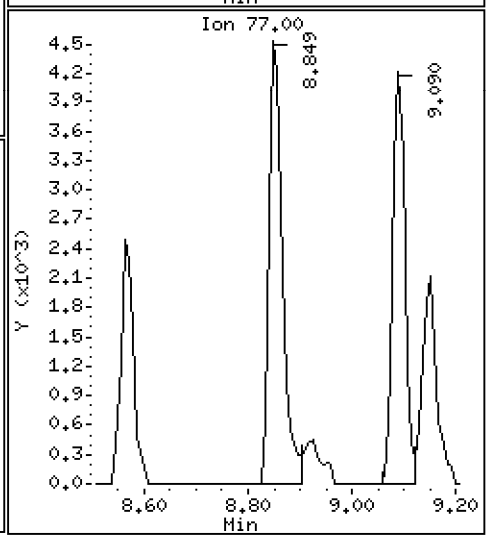


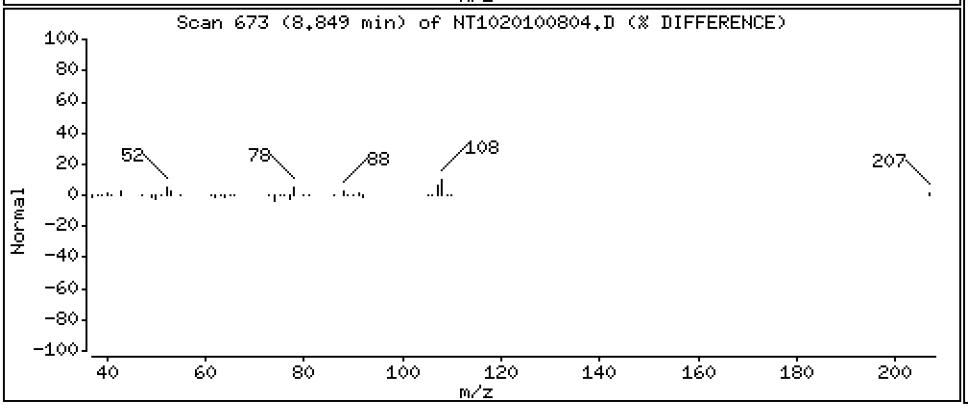












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

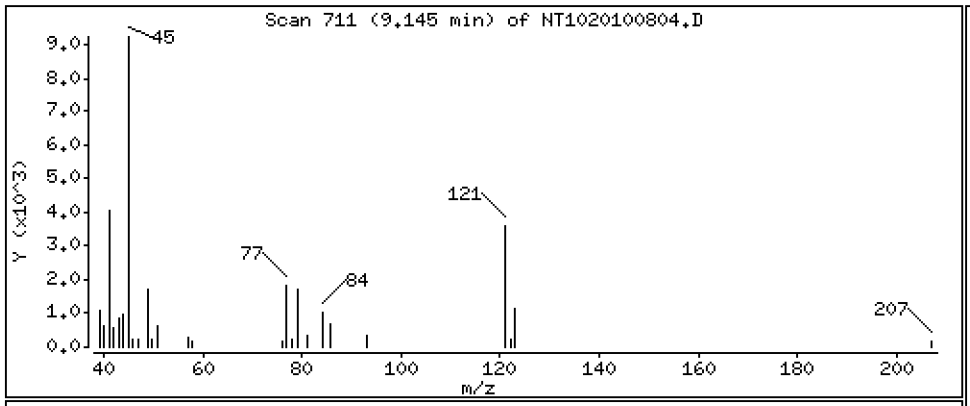
Operator: VTS

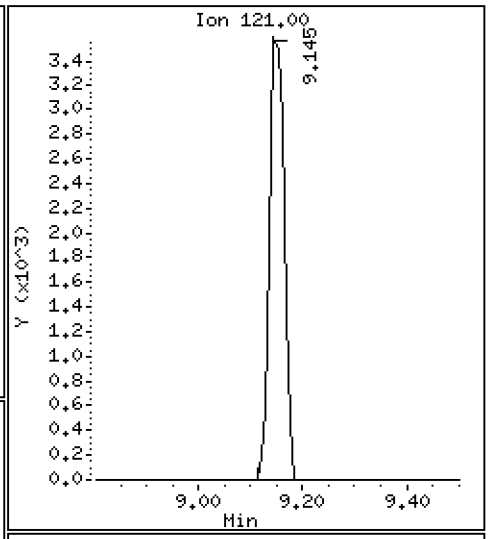
Column phase: ZB-5msi

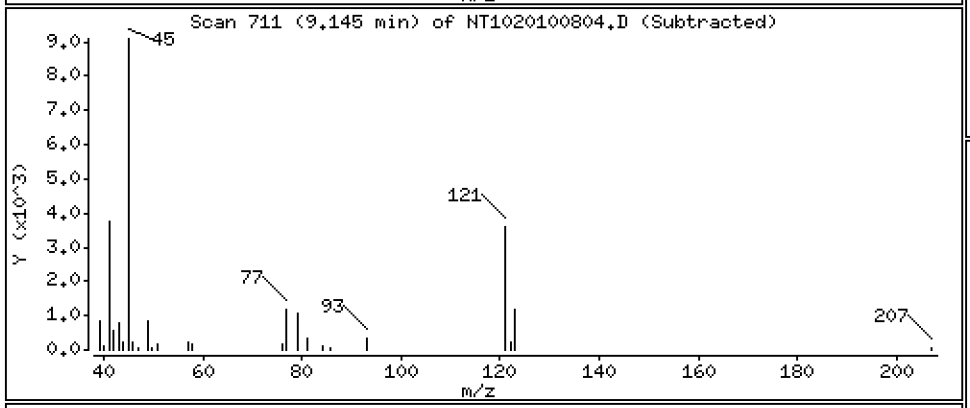
Column diameter: 0.25

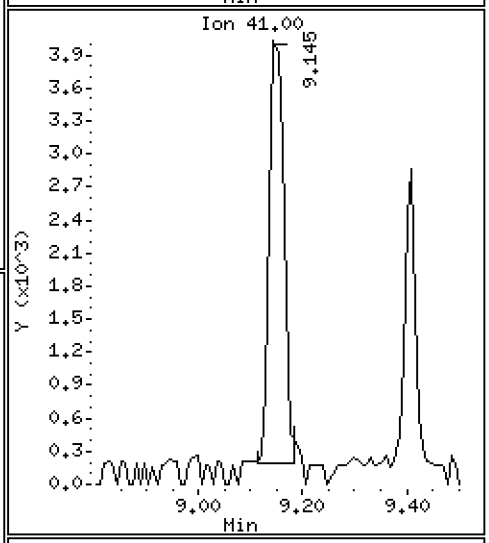
14 2,2'-oxybis(1-Chloropropane)

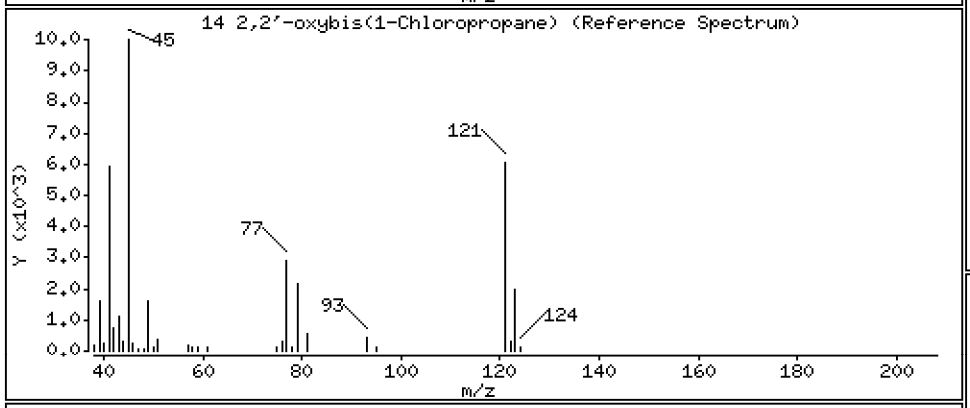
Concentration: 0.4862 ug/mL

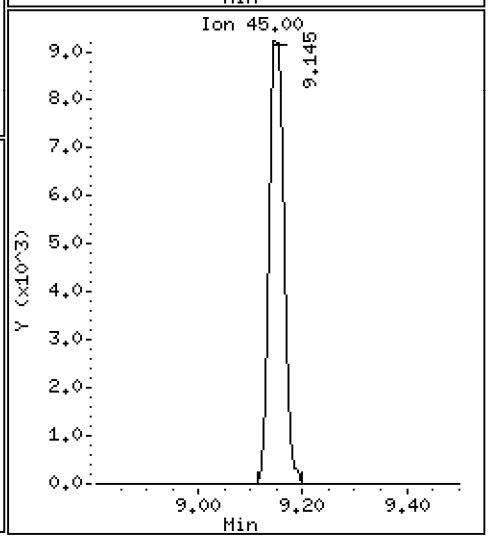


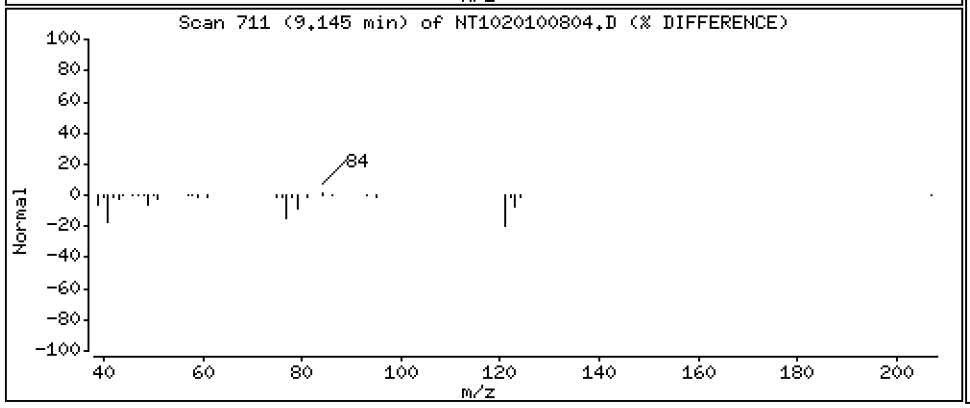












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

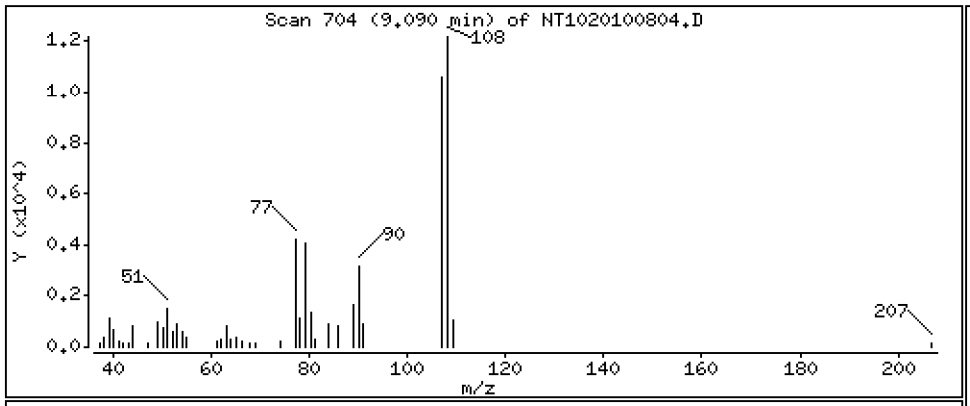
Operator: VTS

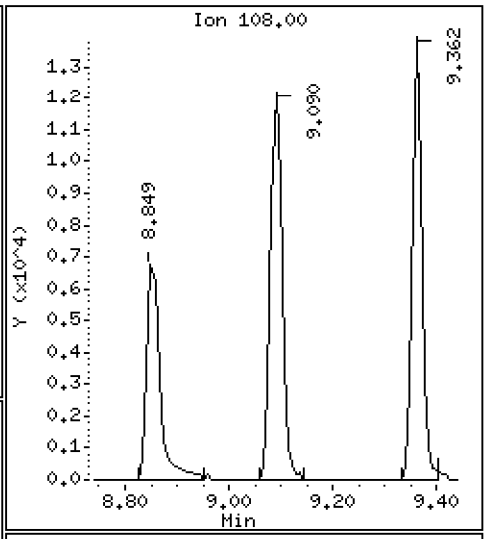
Column phase: ZB-5msi

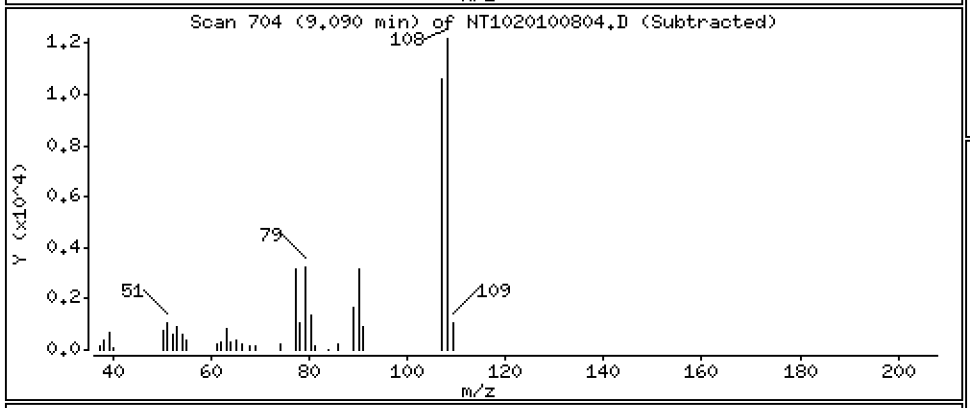
Column diameter: 0.25

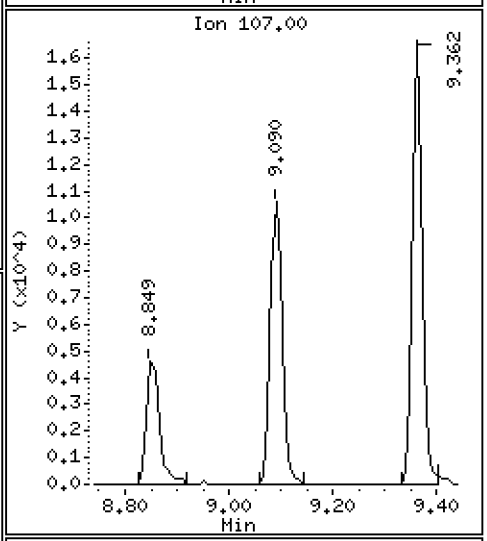
13 2-Methylphenol

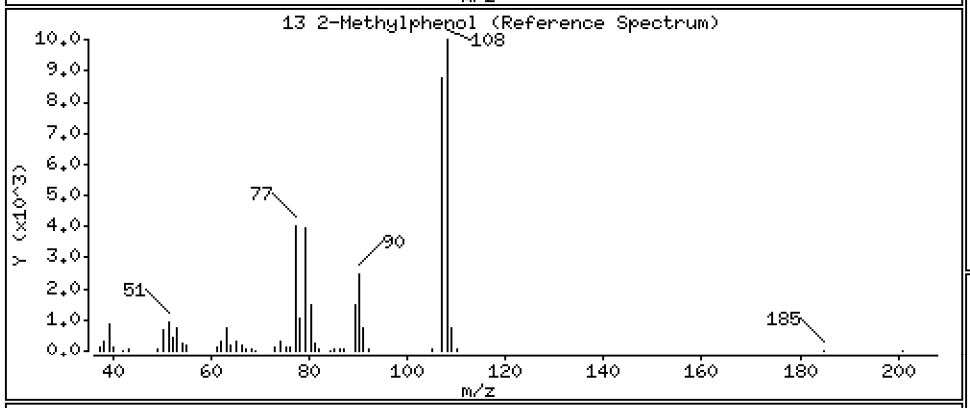
Concentration: 0.5331 ug/mL

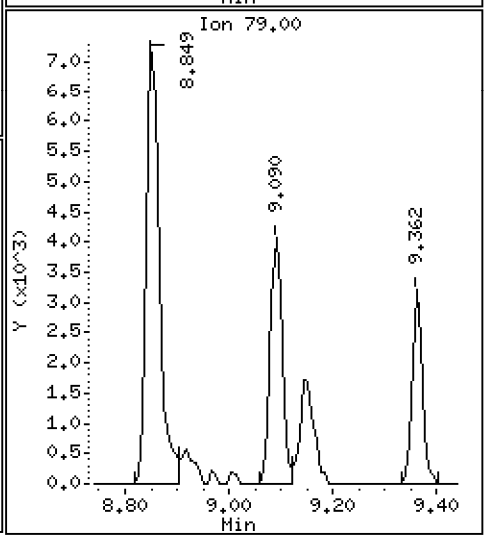


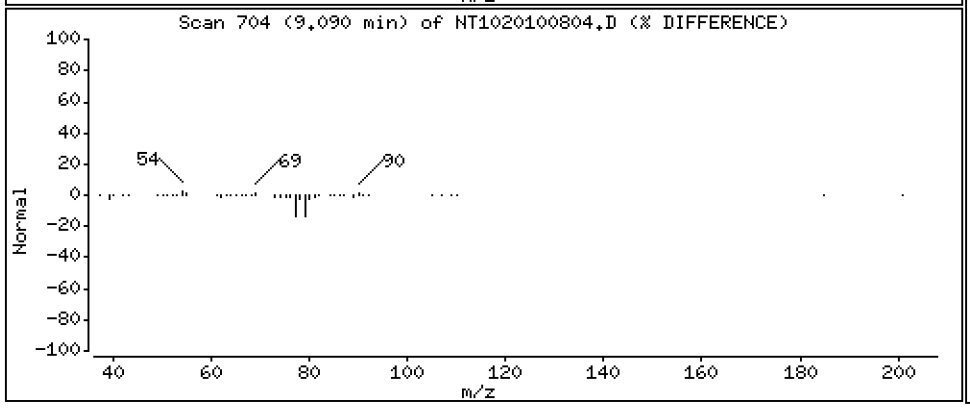












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

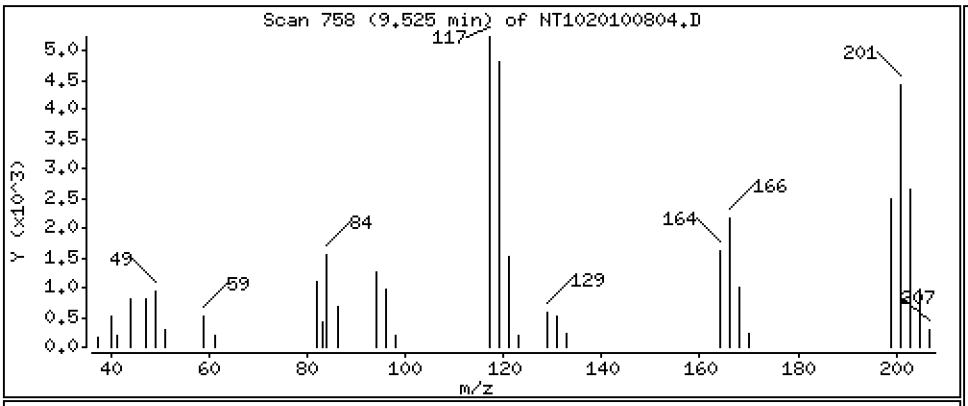
Operator: VTS

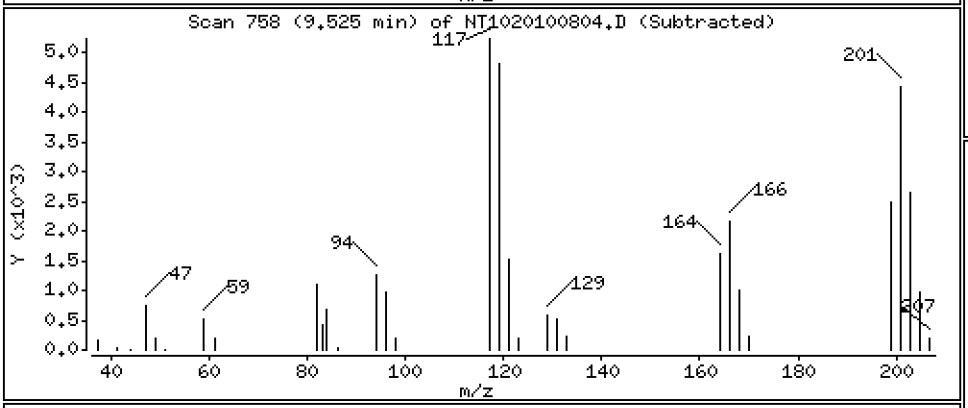
Column phase: ZB-5msi

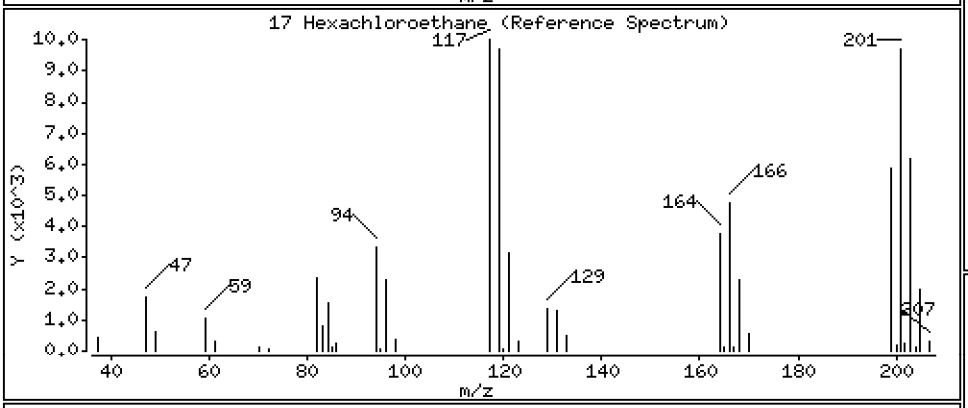
Column diameter: 0.25

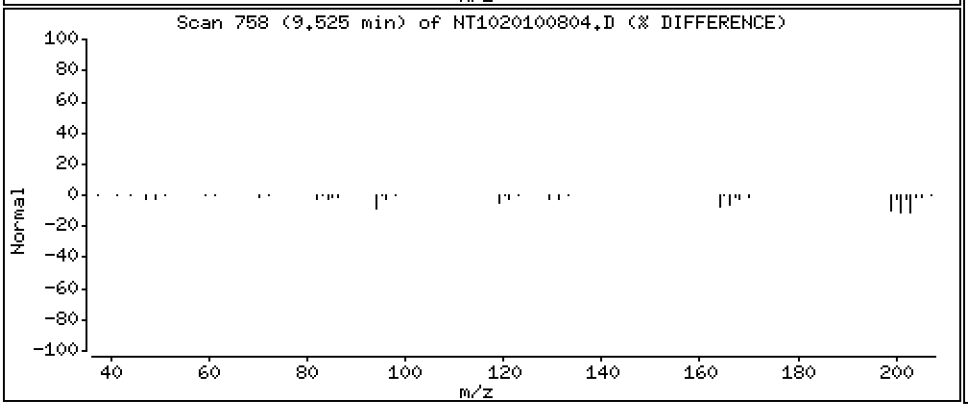
17 Hexachloroethane

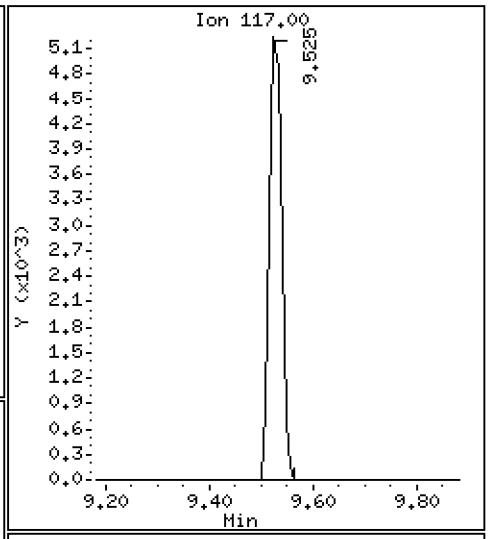
Concentration: 0.4828 ug/mL

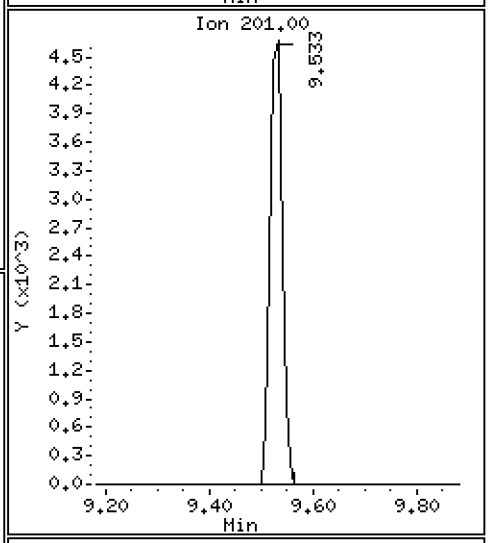


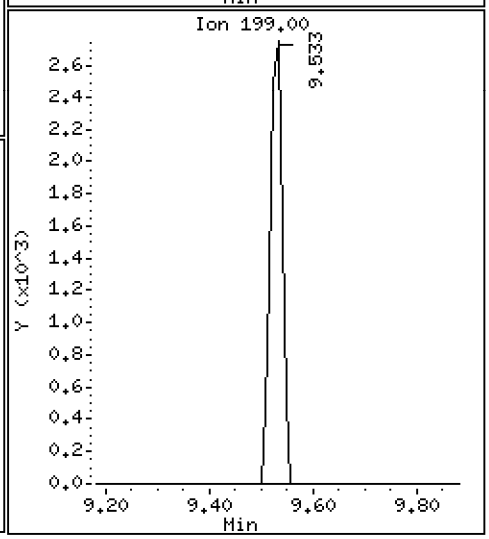












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

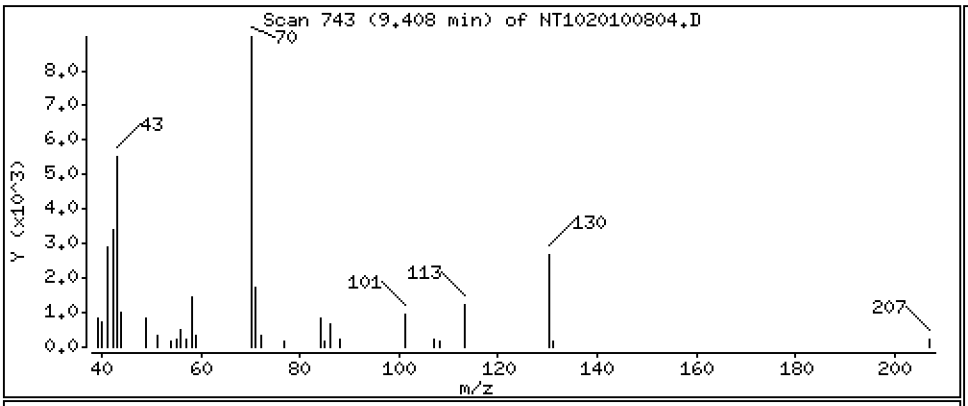
Operator: VTS

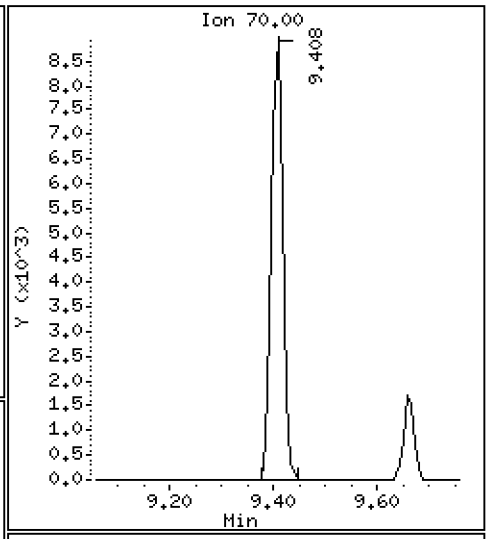
Column phase: ZB-5msi

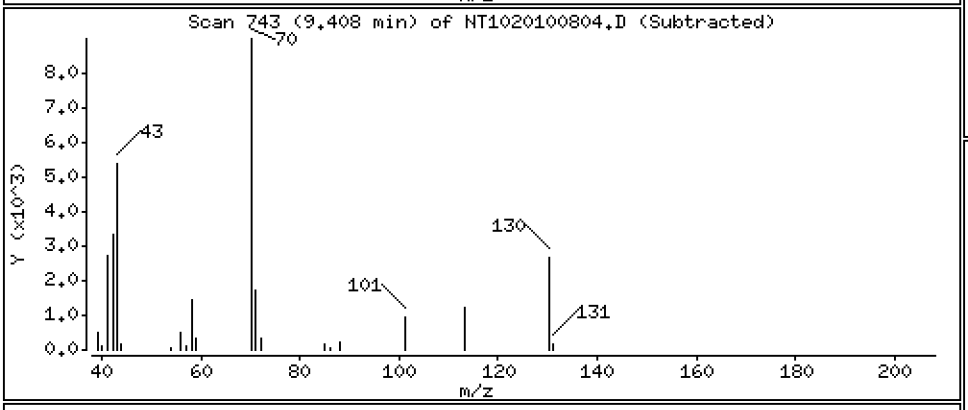
Column diameter: 0.25

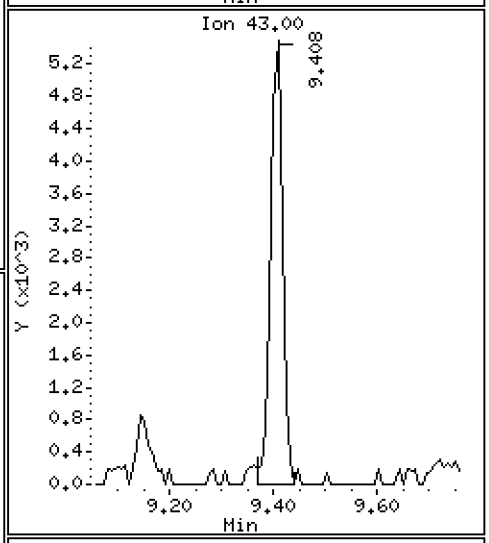
16 N-Nitroso-di-n-propylamine

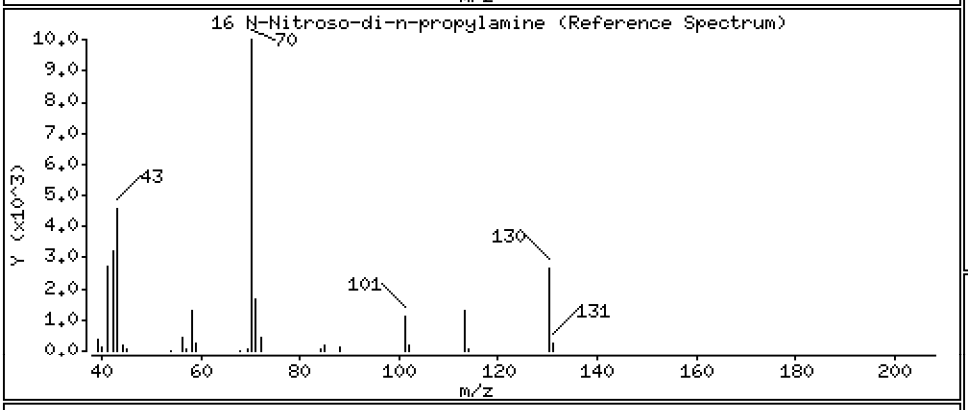
Concentration: 0.5114 ug/mL

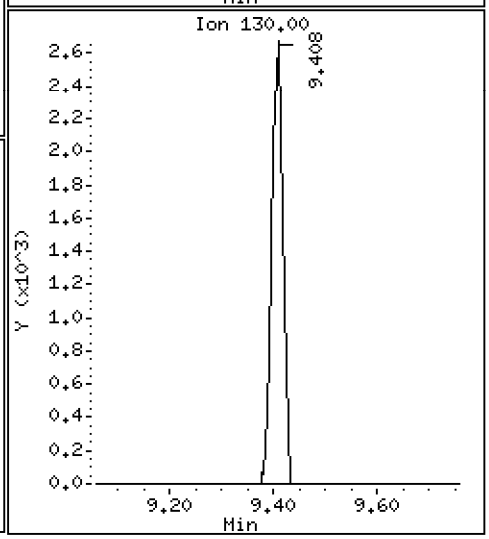


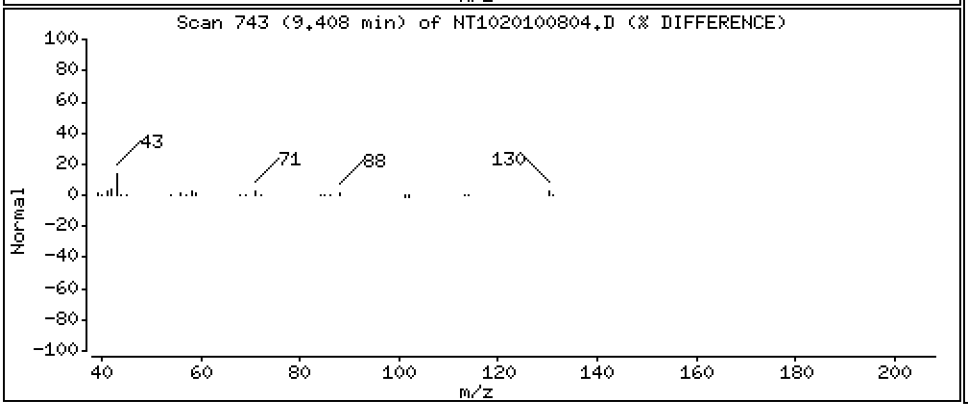












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

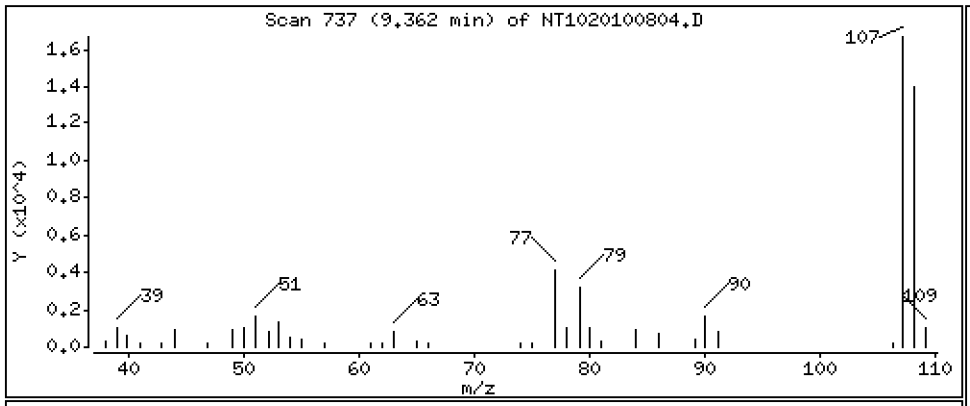
Operator: VTS

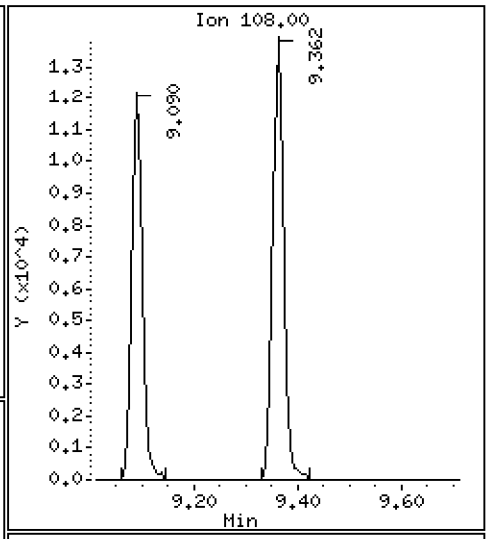
Column phase: ZB-5msi

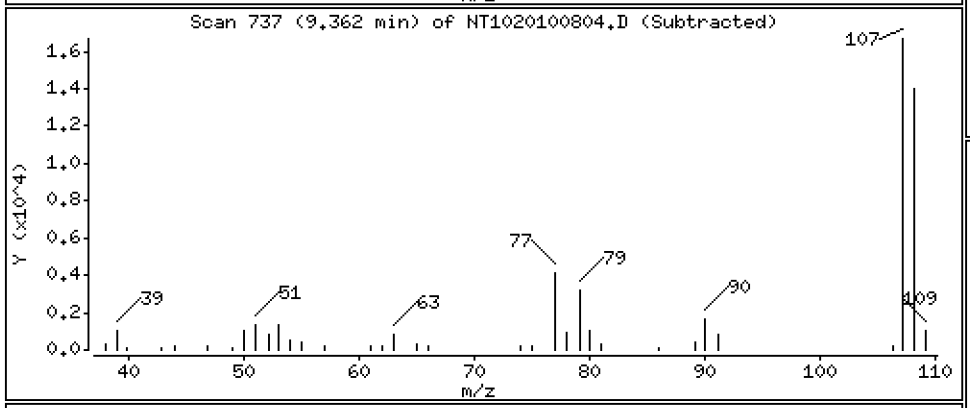
Column diameter: 0.25

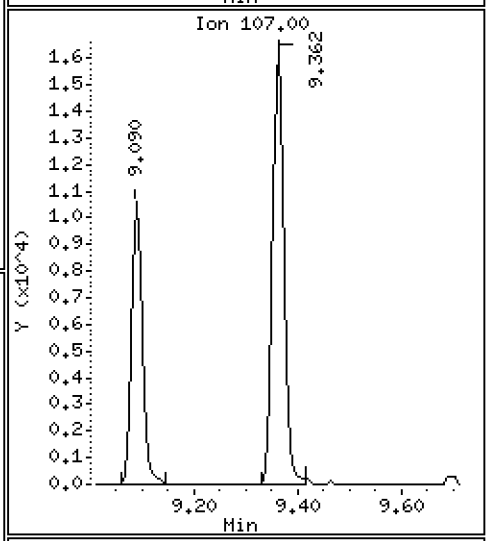
15 4-Methylphenol

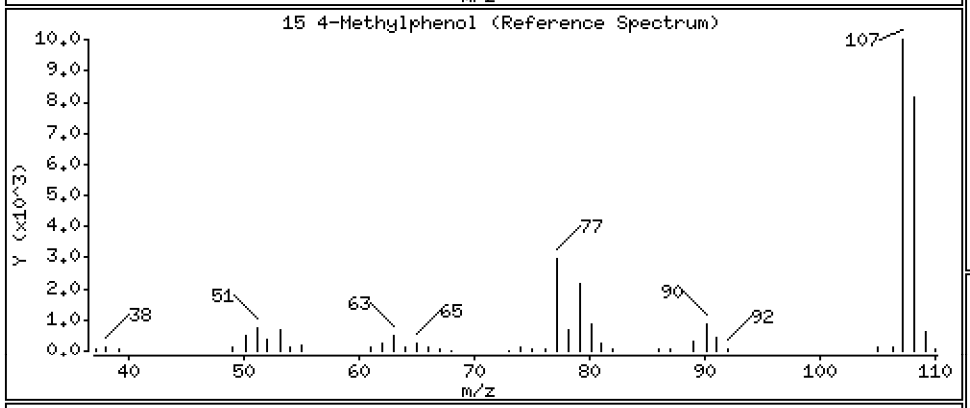
Concentration: 0.5211 ug/mL

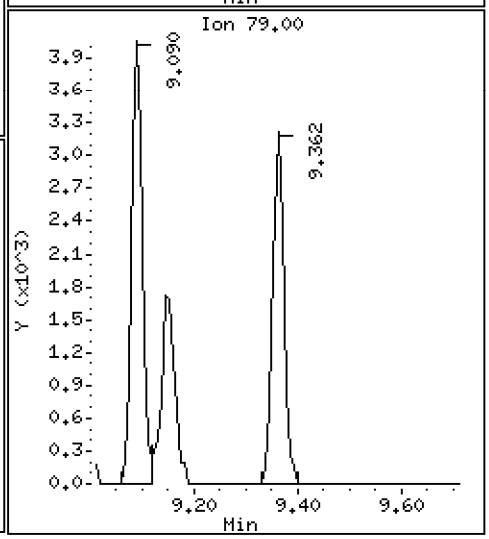


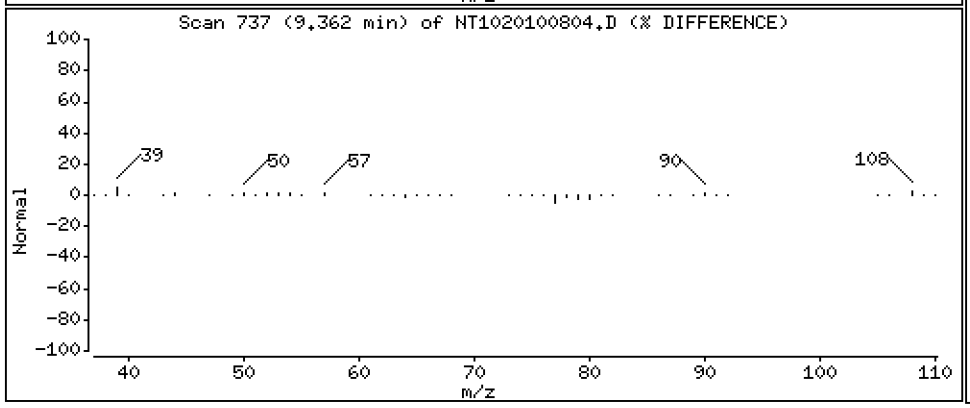












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

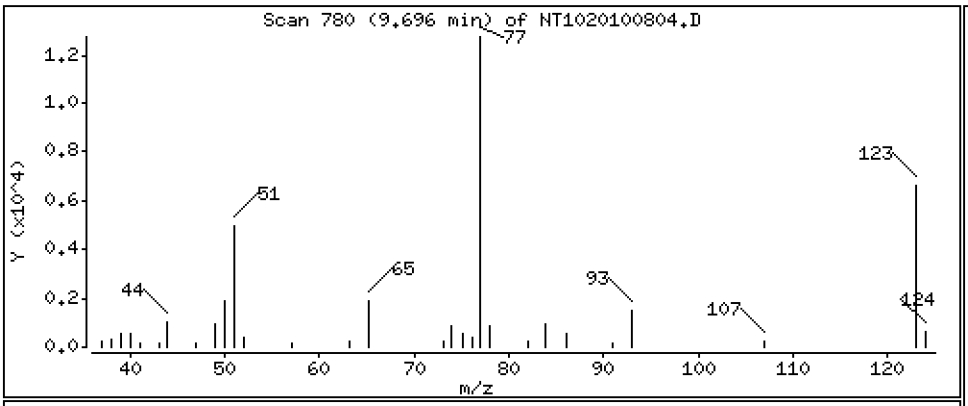
Operator: VTS

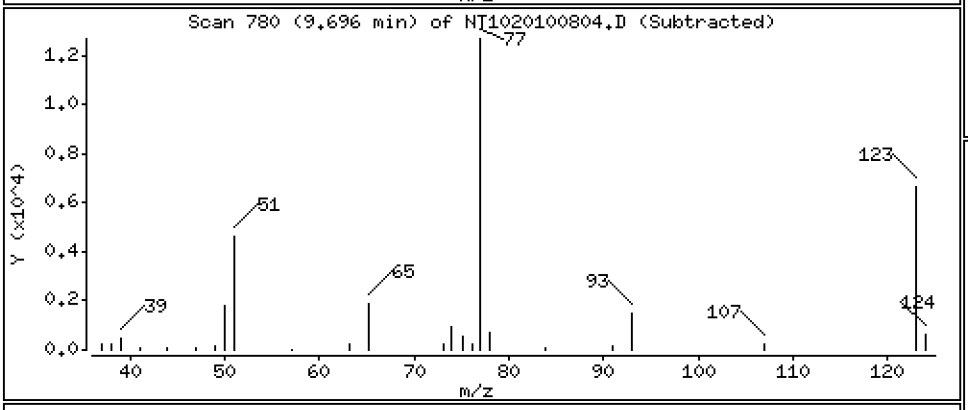
Column phase: ZB-5msi

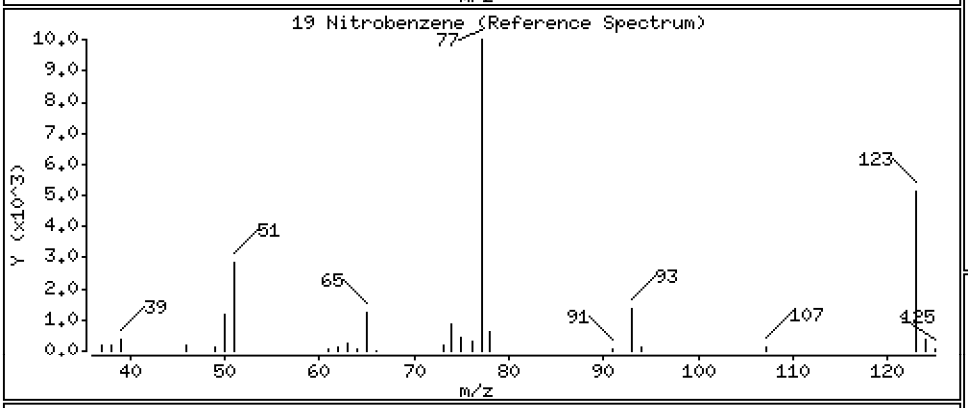
Column diameter: 0.25

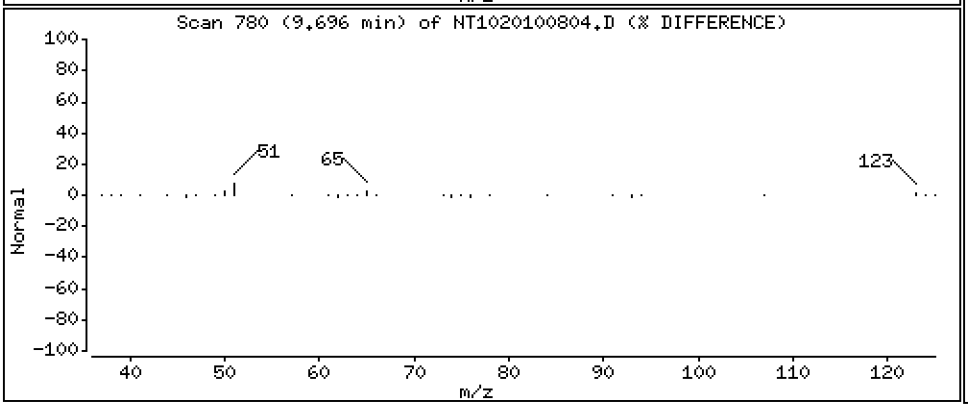
19 Nitrobenzene

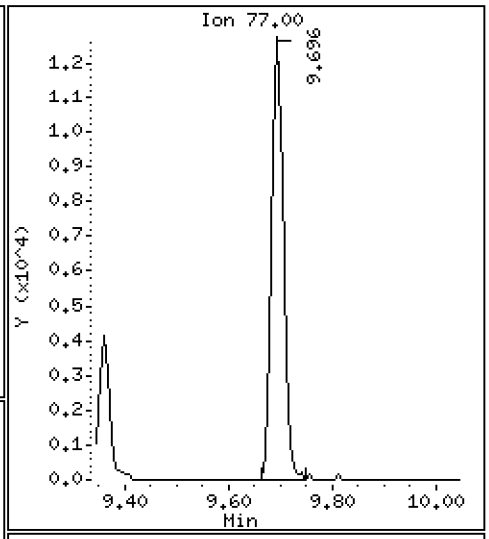
Concentration: 0.4862 ug/mL

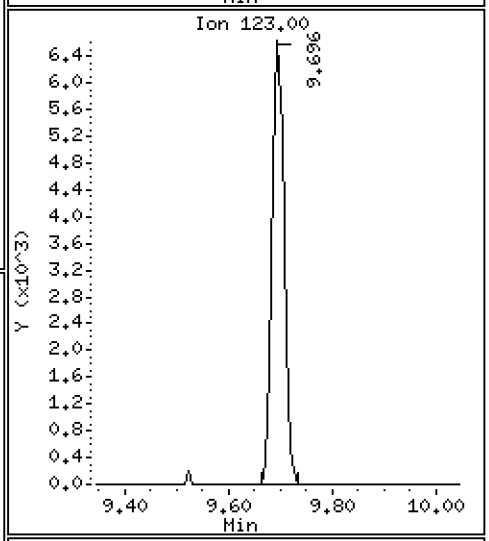


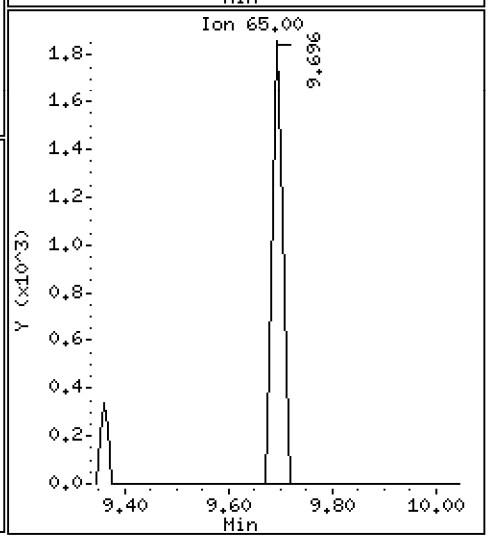












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

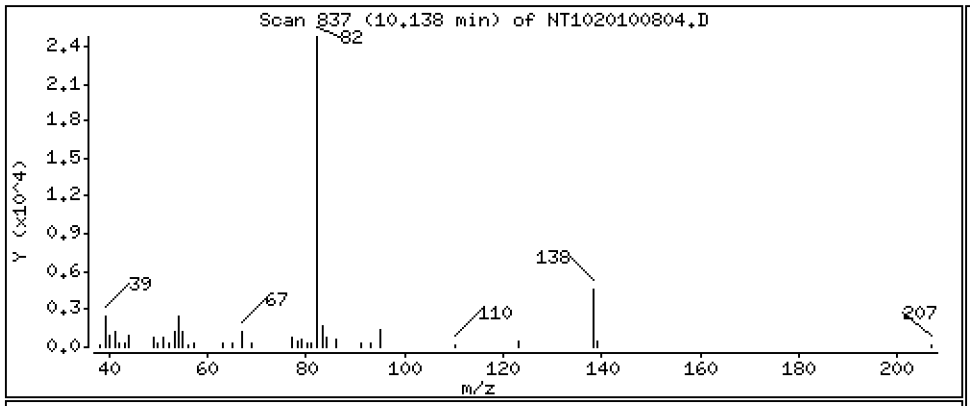
Operator: VTS

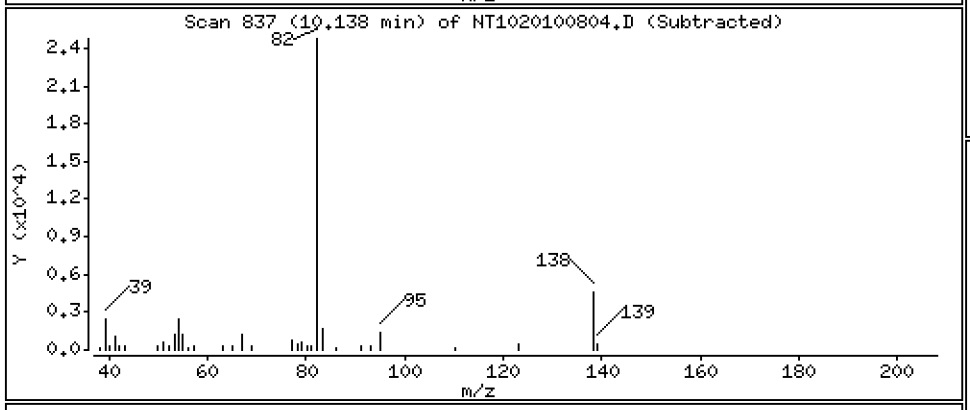
Column phase: ZB-5msi

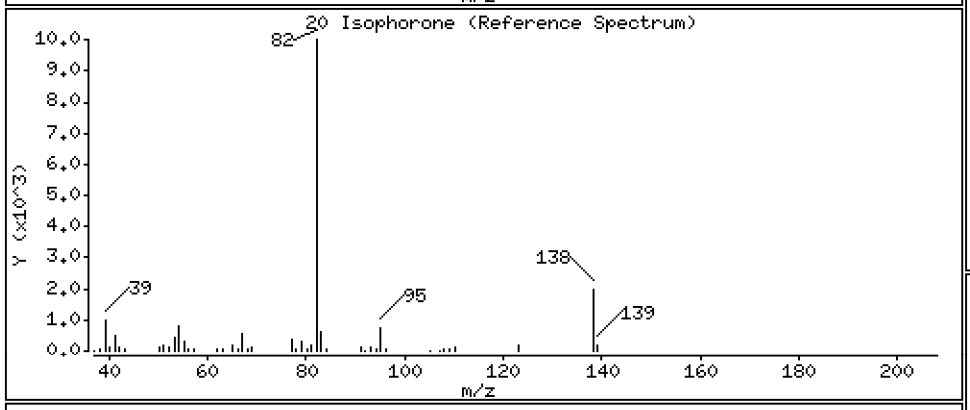
Column diameter: 0.25

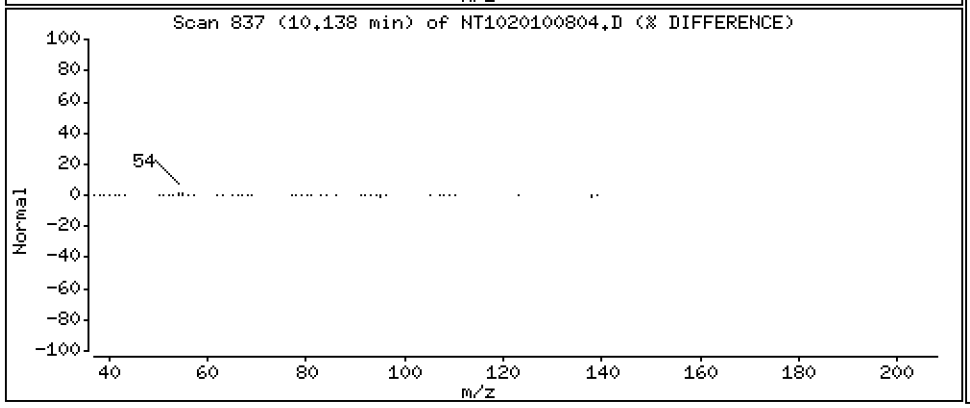
20 Isophorone

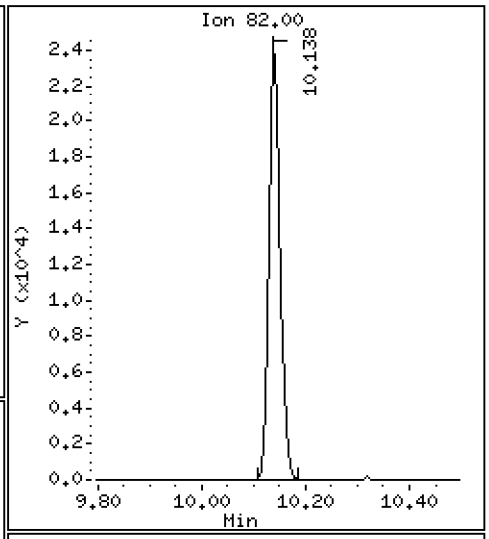
Concentration: 0.4708 ug/mL

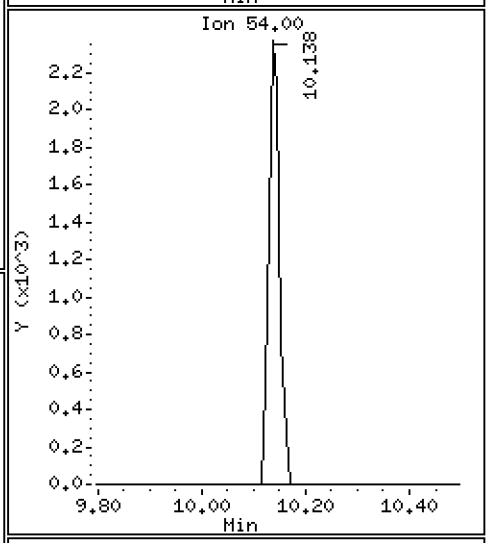


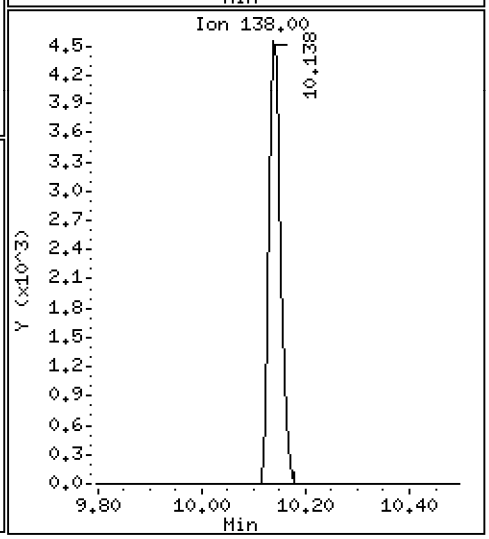












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

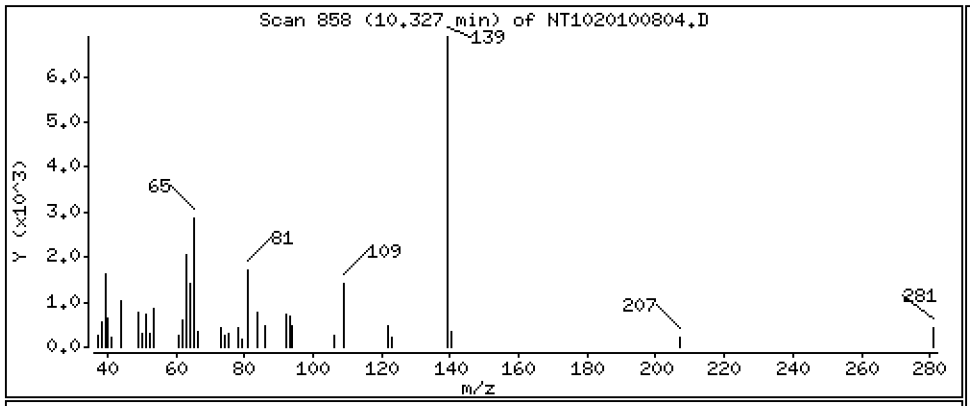
Operator: VTS

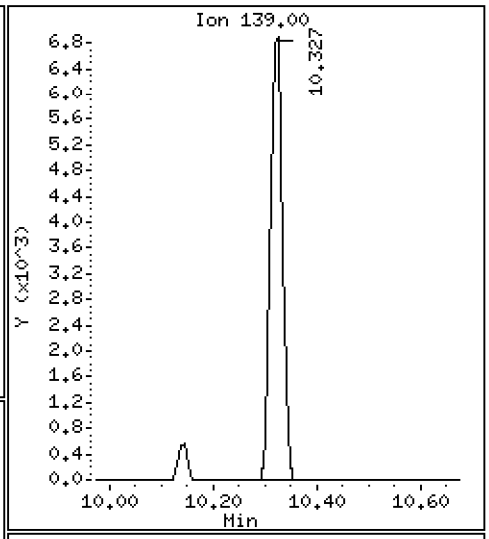
Column phase: ZB-5msi

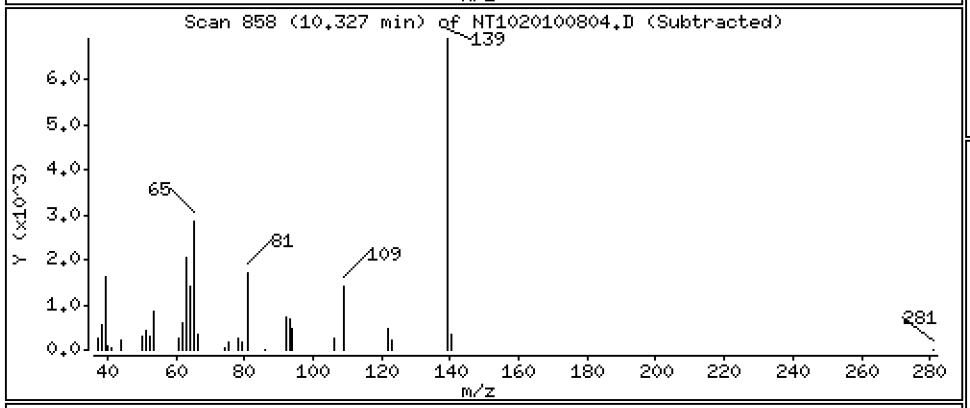
Column diameter: 0.25

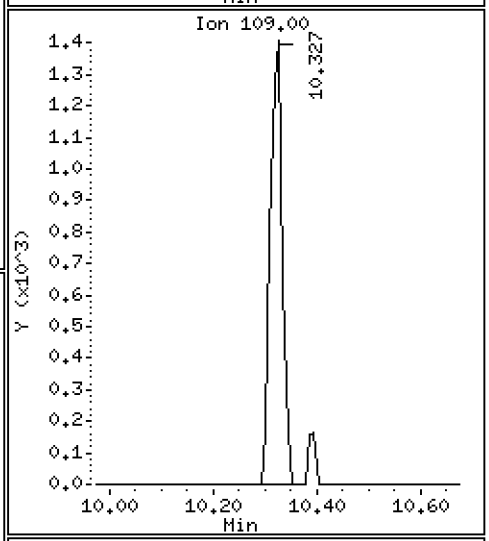
21 2-Nitrophenol

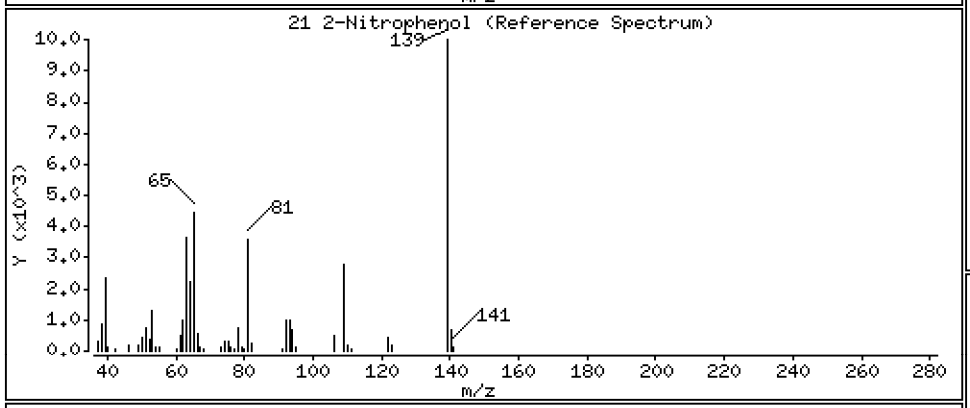
Concentration: 0.4783 ug/mL

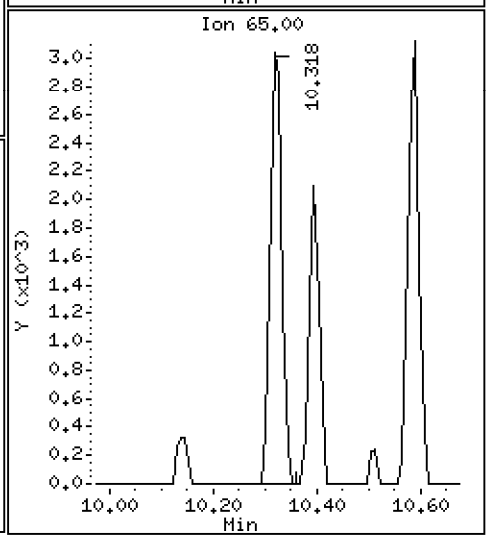


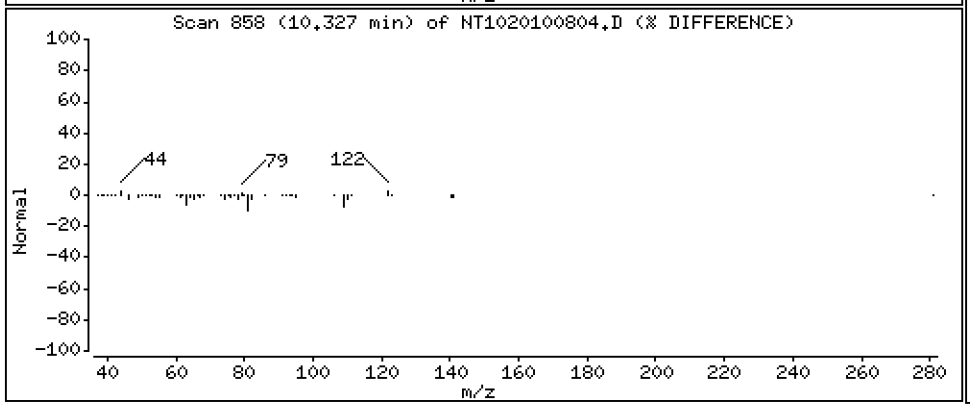












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

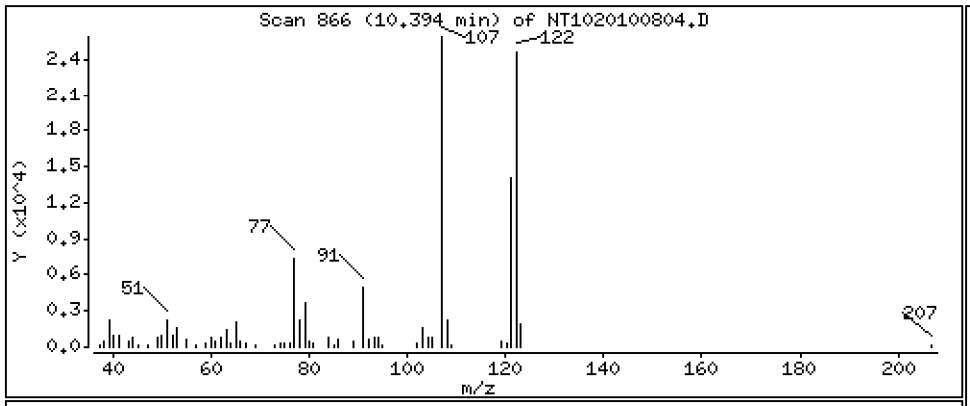
Operator: VTS

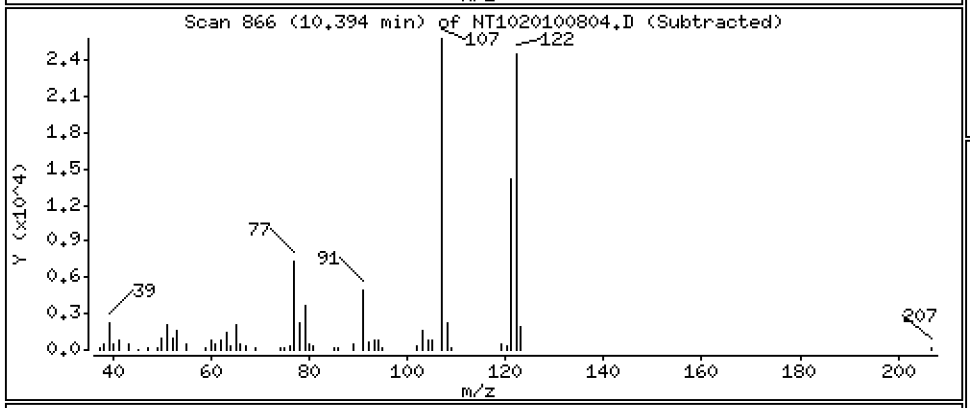
Column phase: ZB-5msi

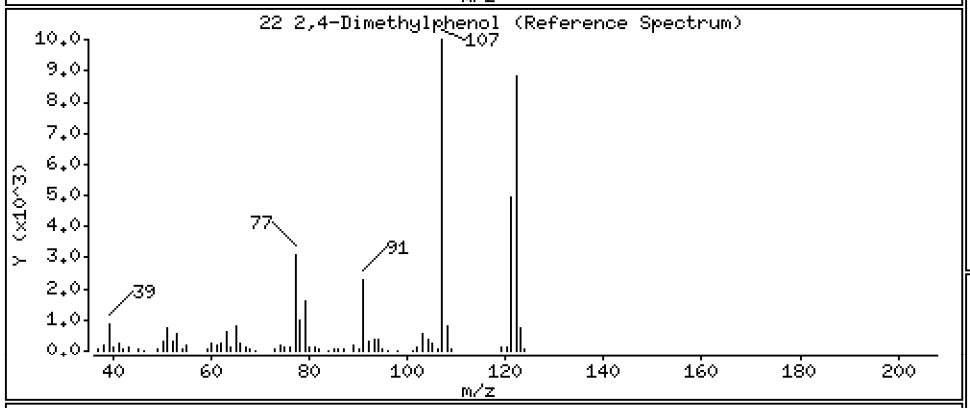
Column diameter: 0.25

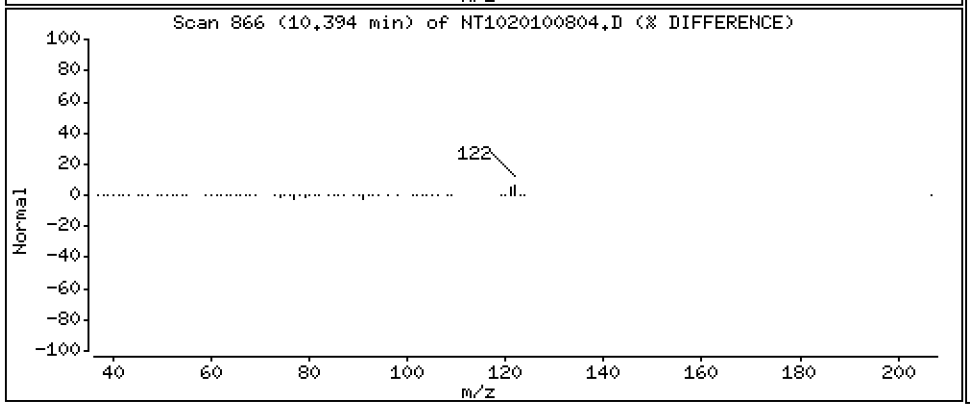
22 2,4-Dimethylphenol

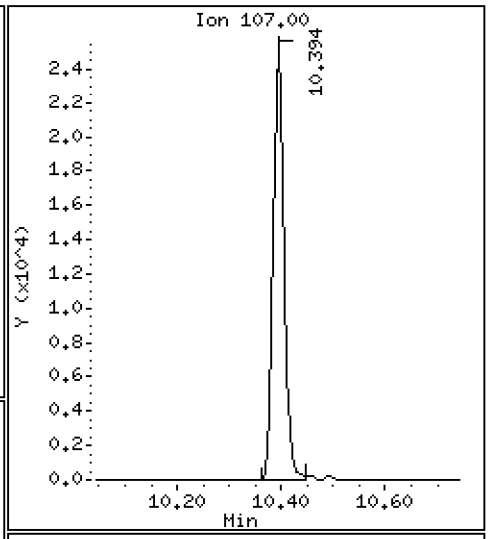
Concentration: 1.090 ug/mL

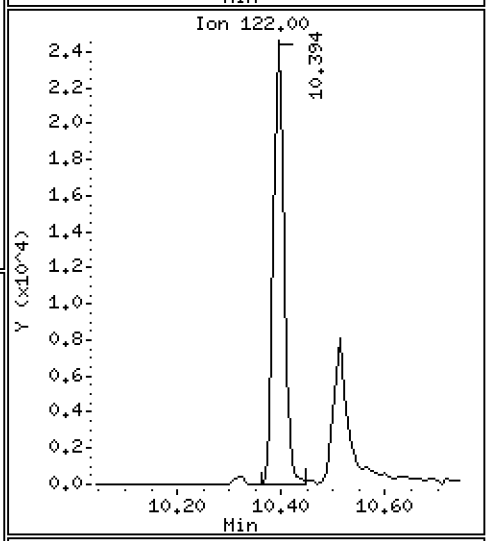


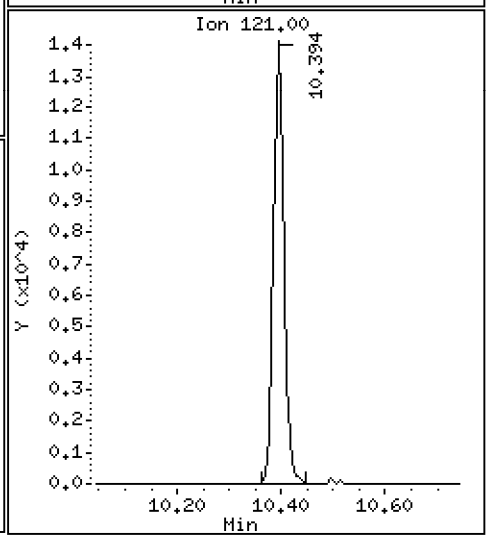












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

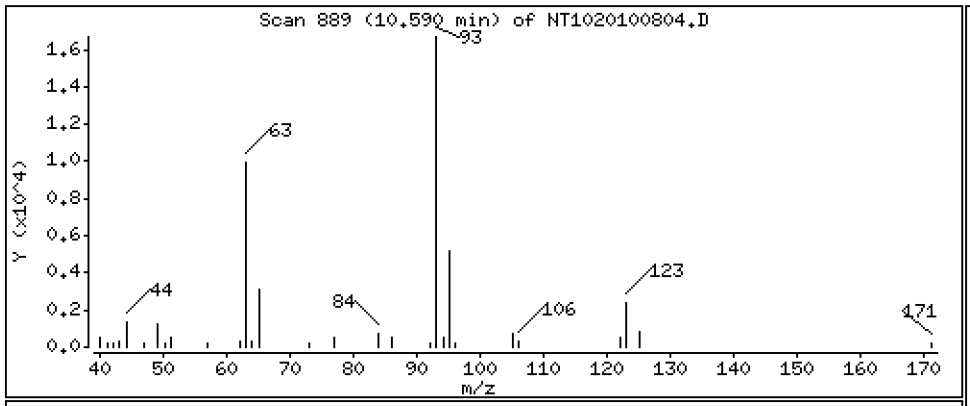
Operator: VTS

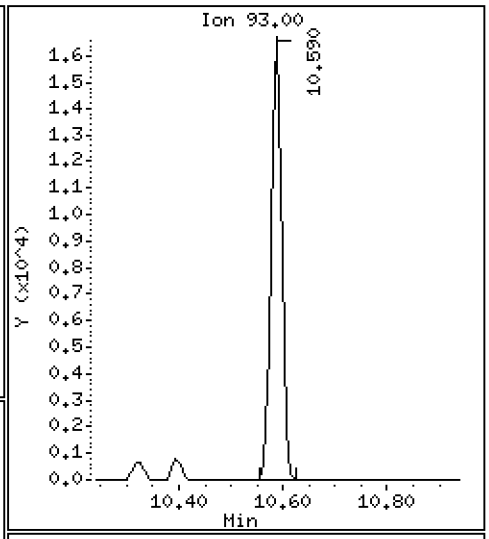
Column phase: ZB-5msi

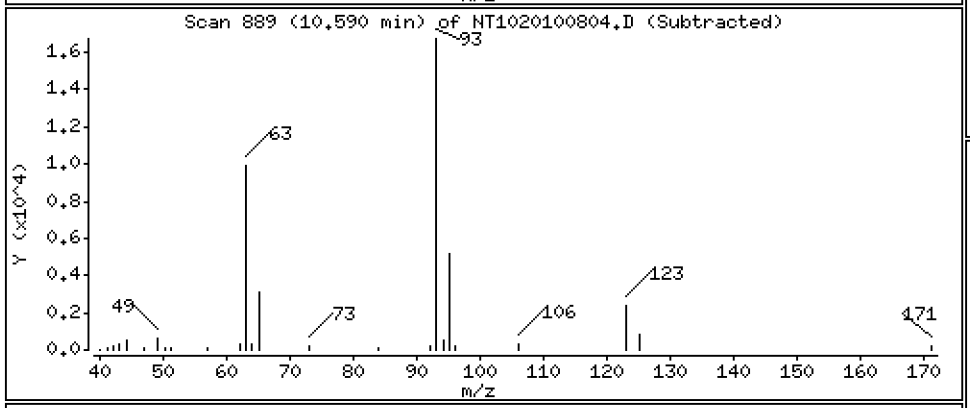
Column diameter: 0.25

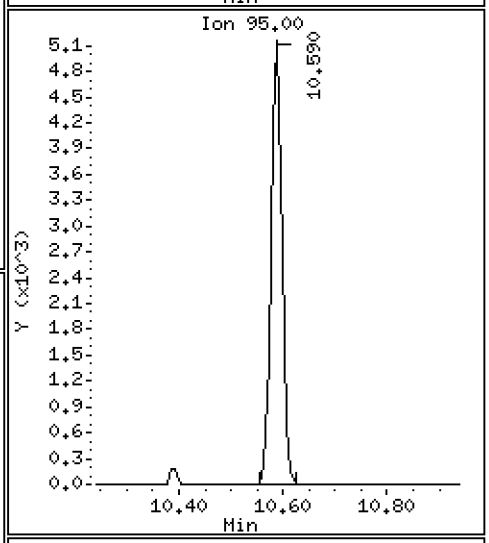
23 Bis(2-Chloroethoxy)methane

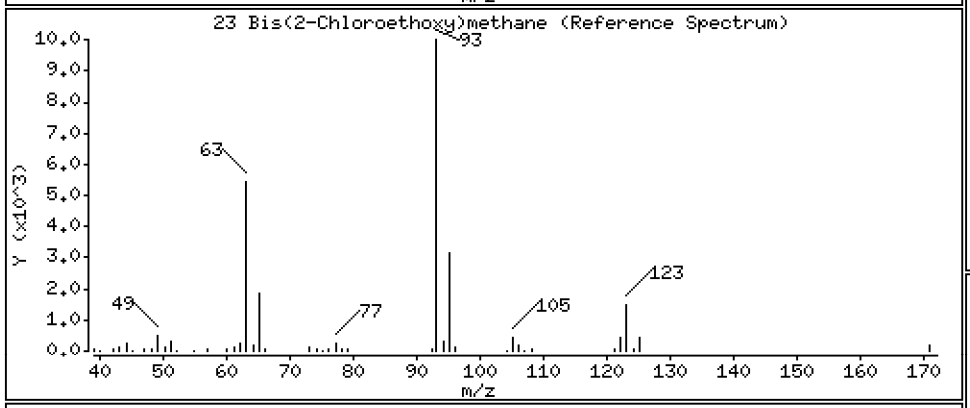
Concentration: 0.5771 ug/mL

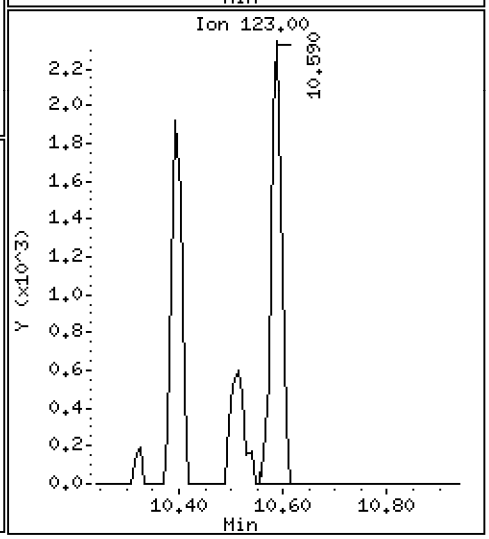


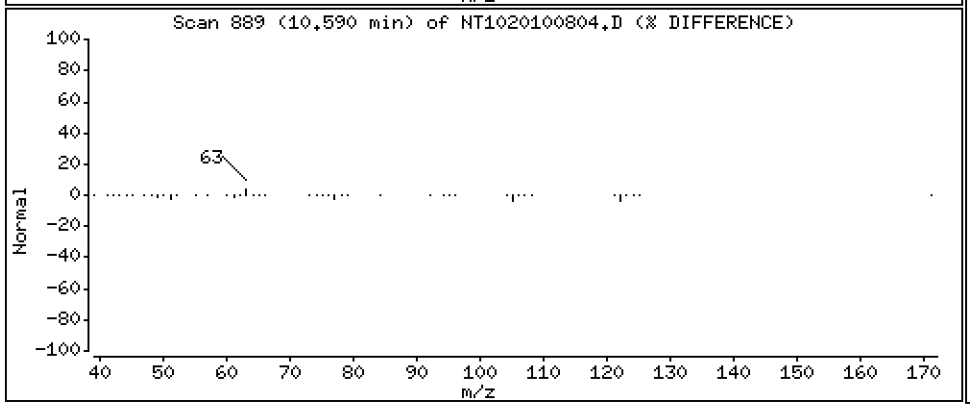












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

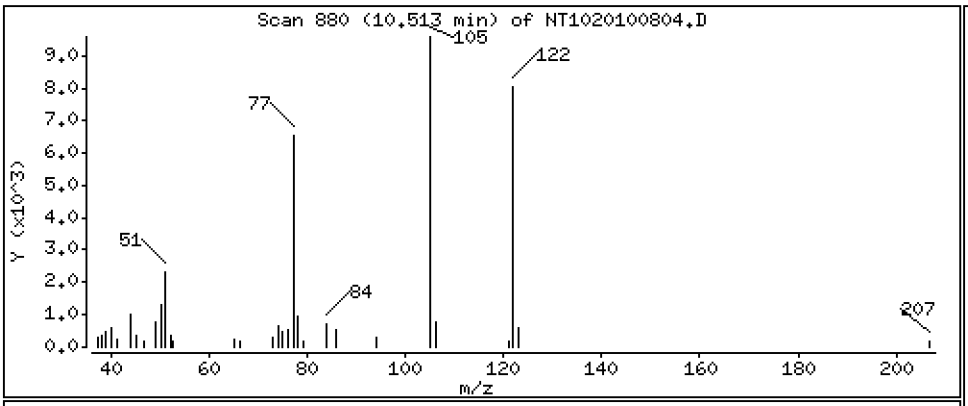
Operator: VTS

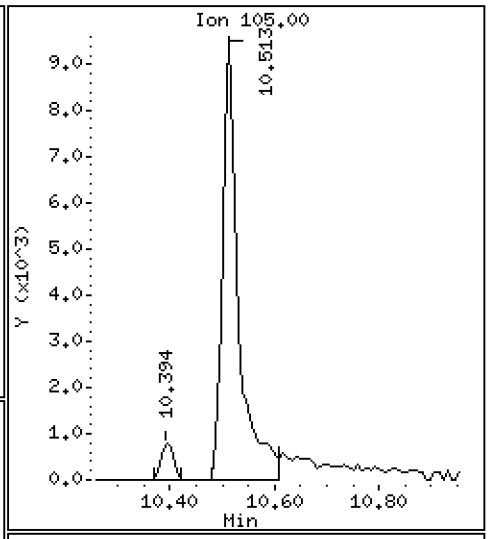
Column phase: ZB-5msi

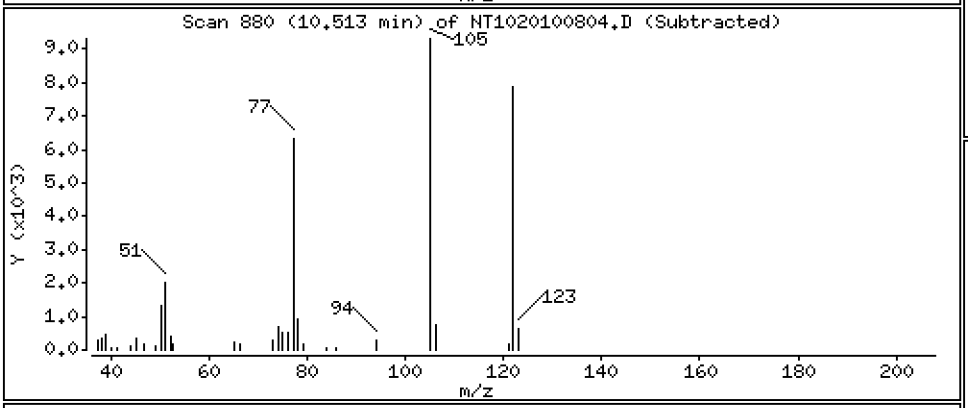
Column diameter: 0.25

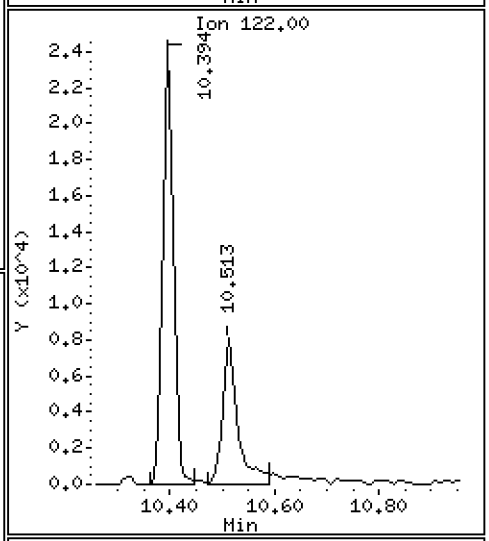
24 Benzoic acid

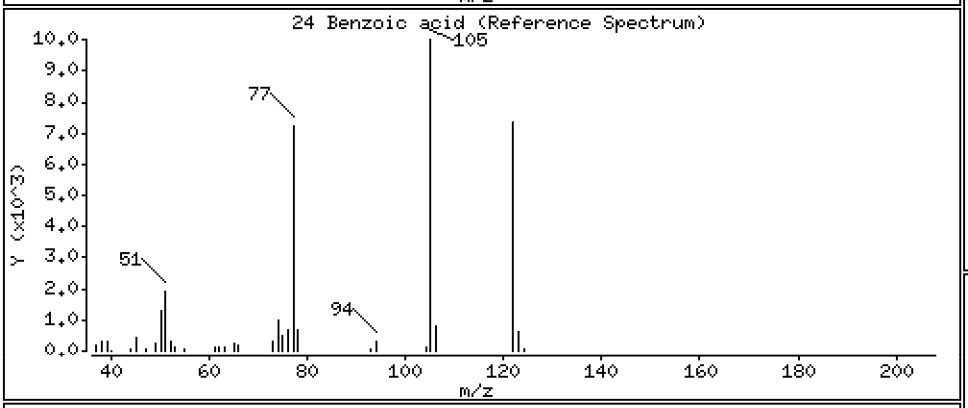
Concentration: 0.8872 ug/mL

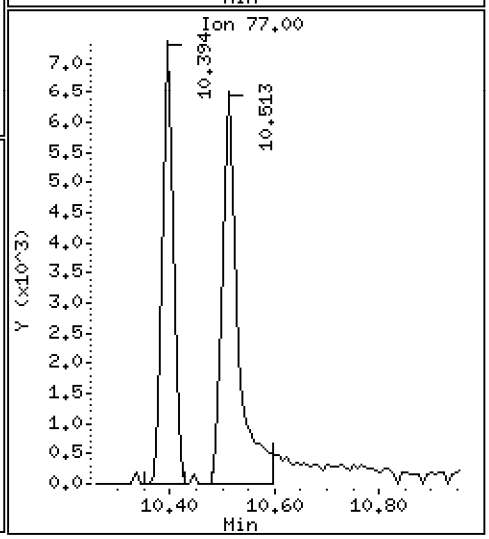


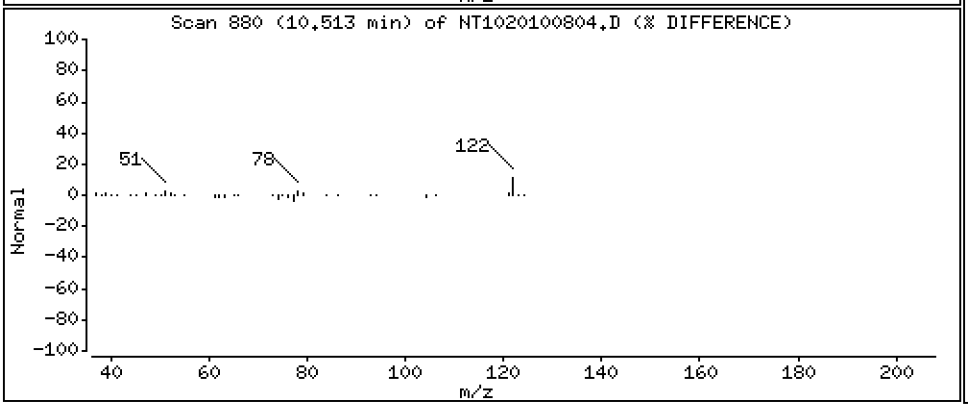












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

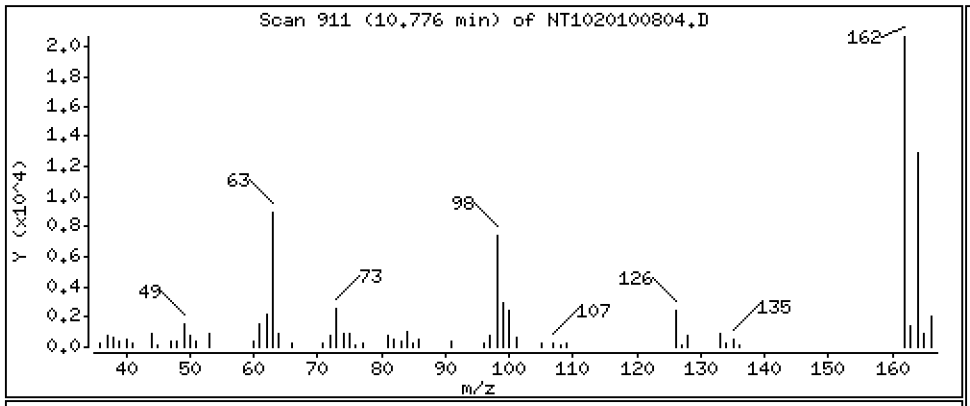
Operator: VTS

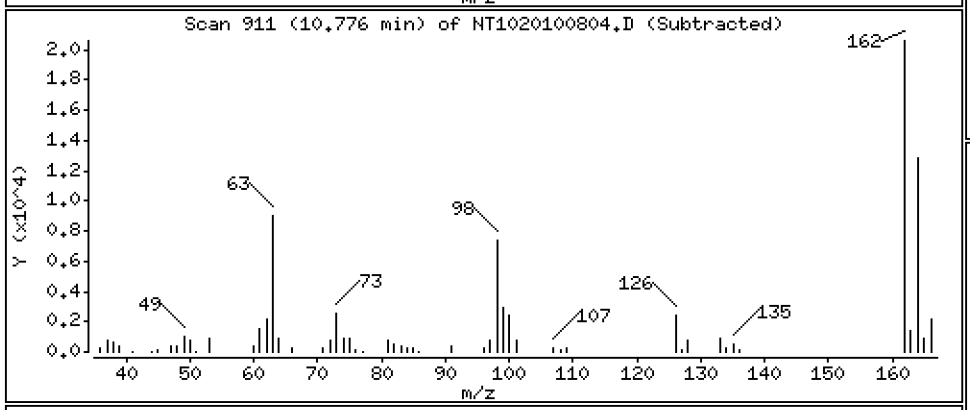
Column phase: ZB-5msi

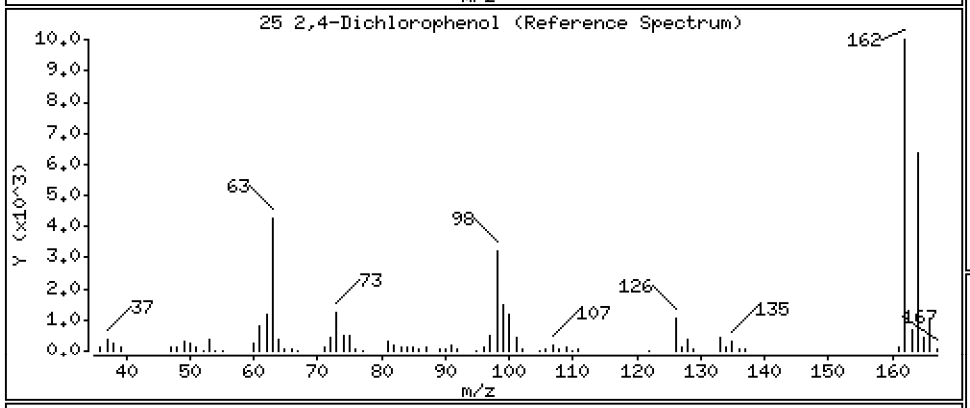
Column diameter: 0.25

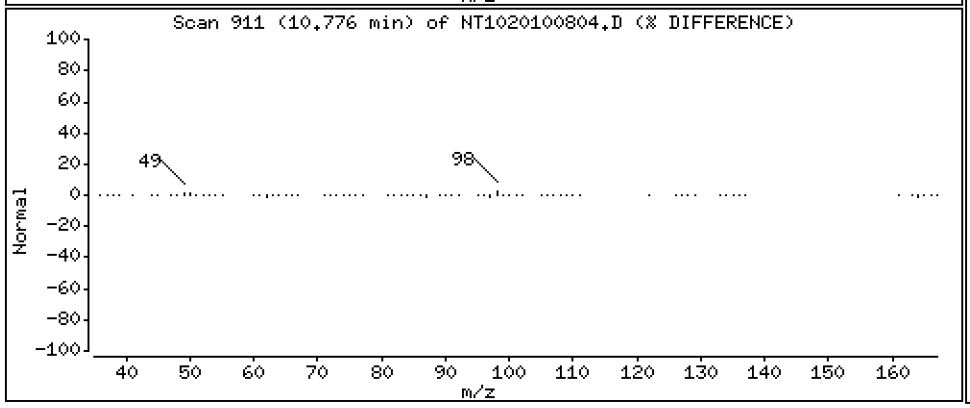
25 2,4-Dichlorophenol

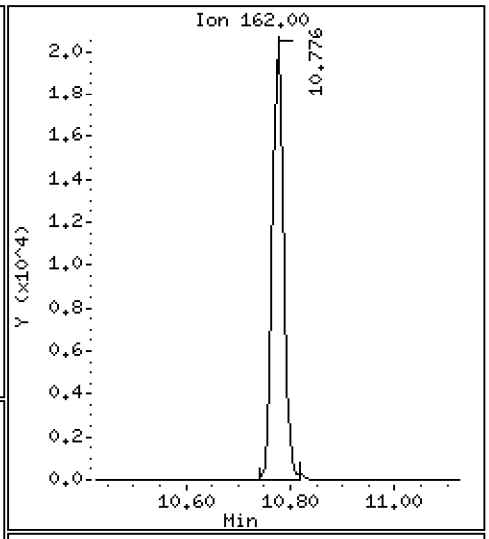
Concentration: 1.031 ug/mL

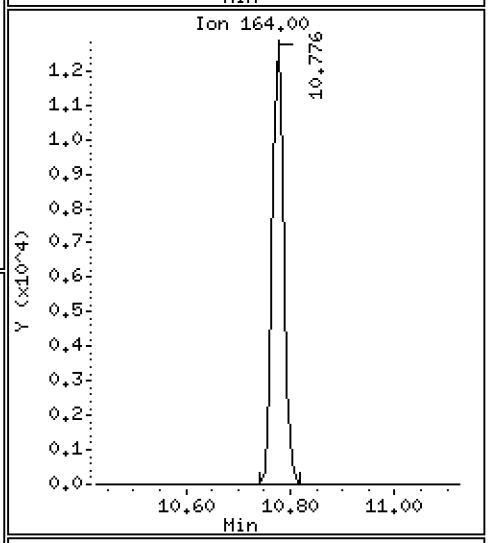


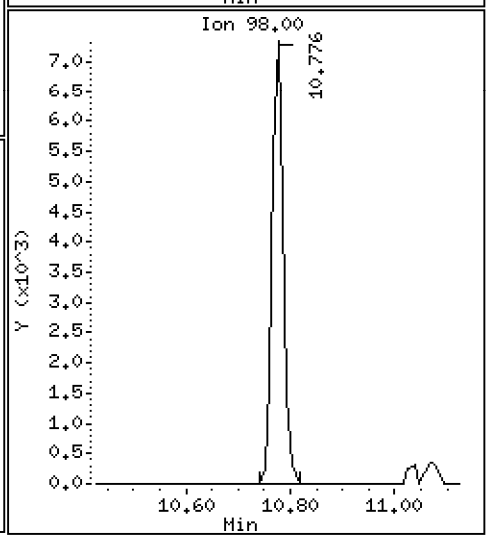












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

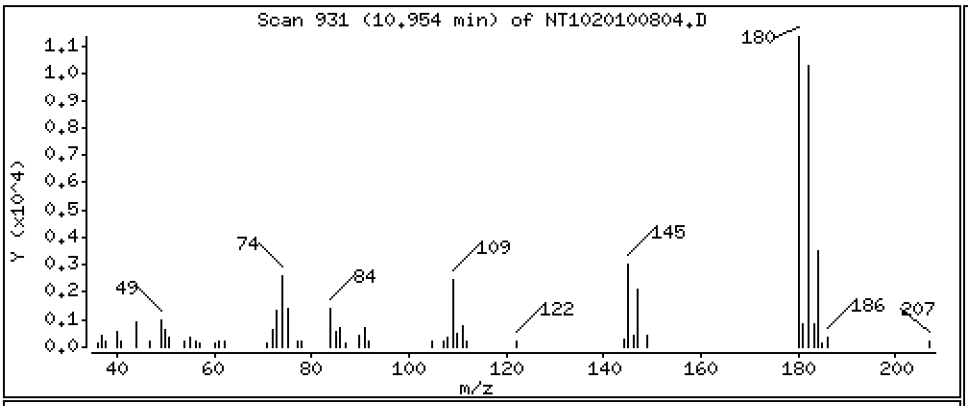
Operator: VTS

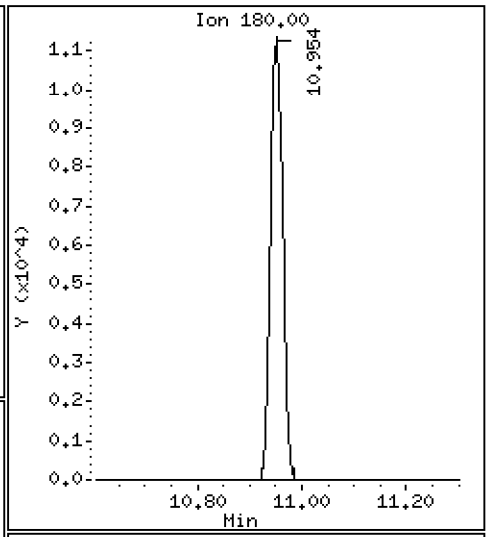
Column phase: ZB-5msi

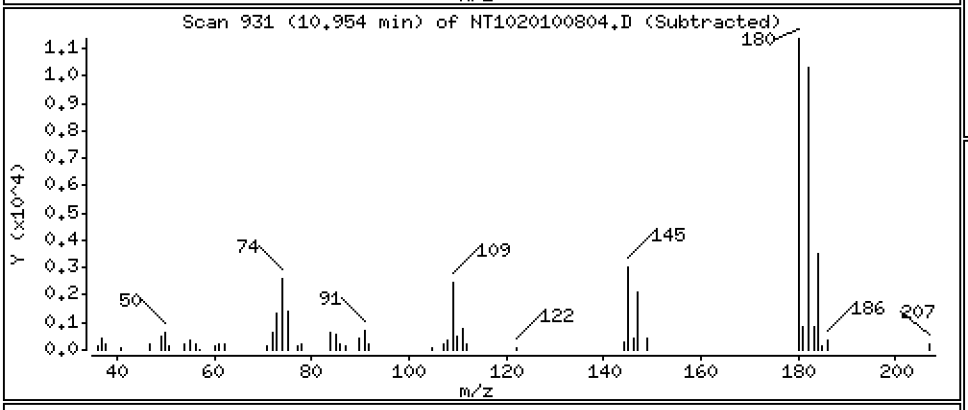
Column diameter: 0.25

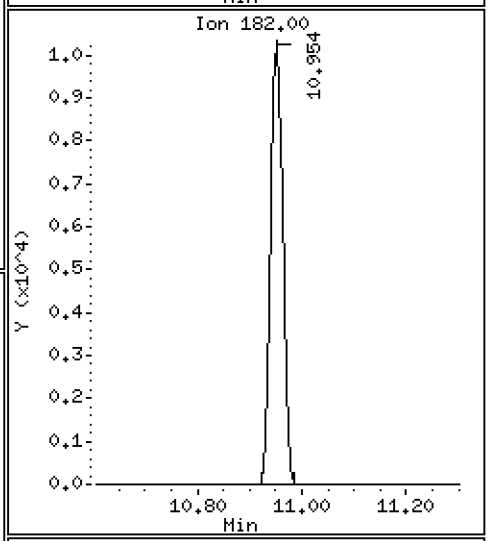
26 1,2,4-Trichlorobenzene

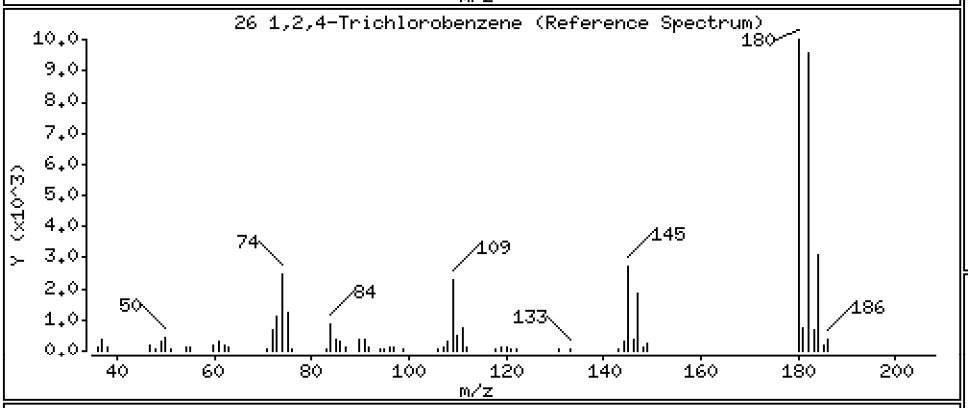
Concentration: 0.5456 ug/mL

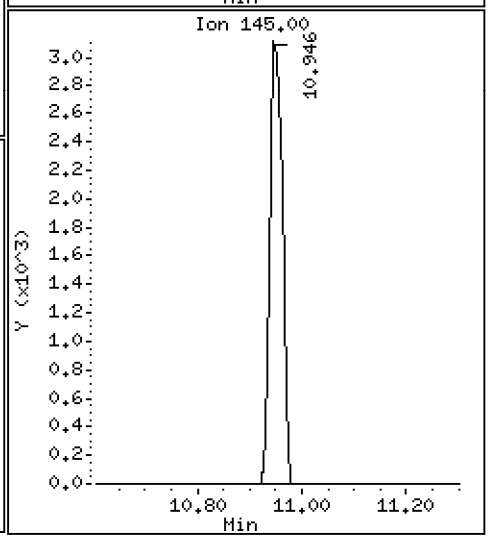


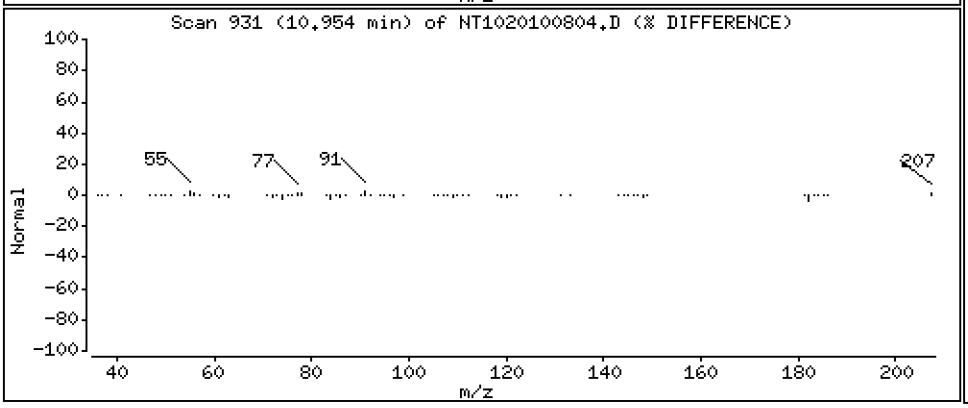












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

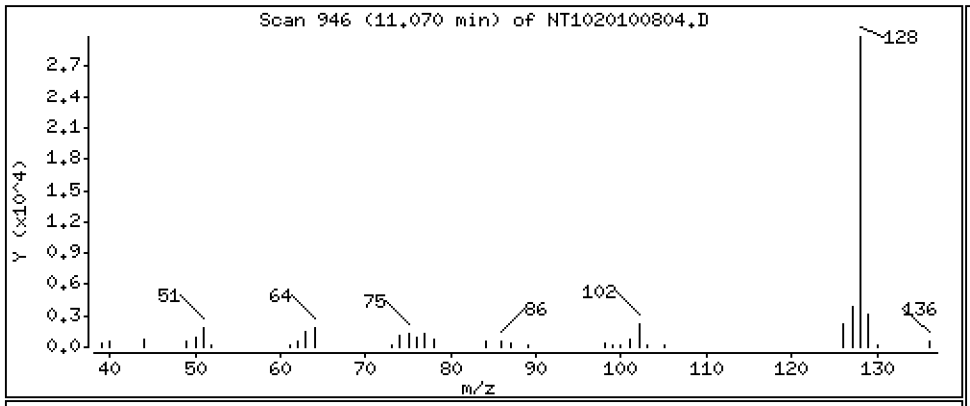
Operator: VTS

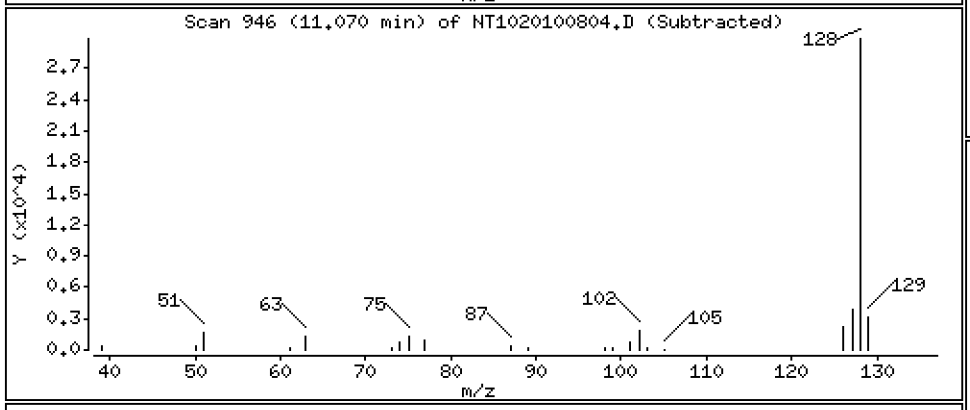
Column phase: ZB-5msi

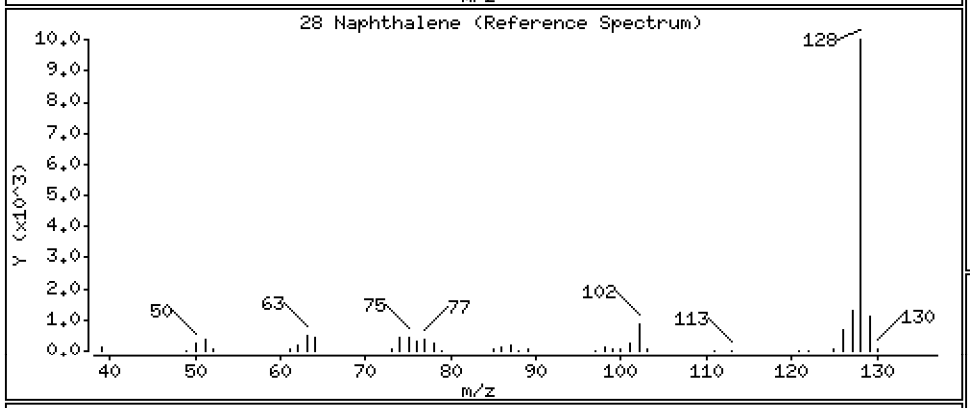
Column diameter: 0.25

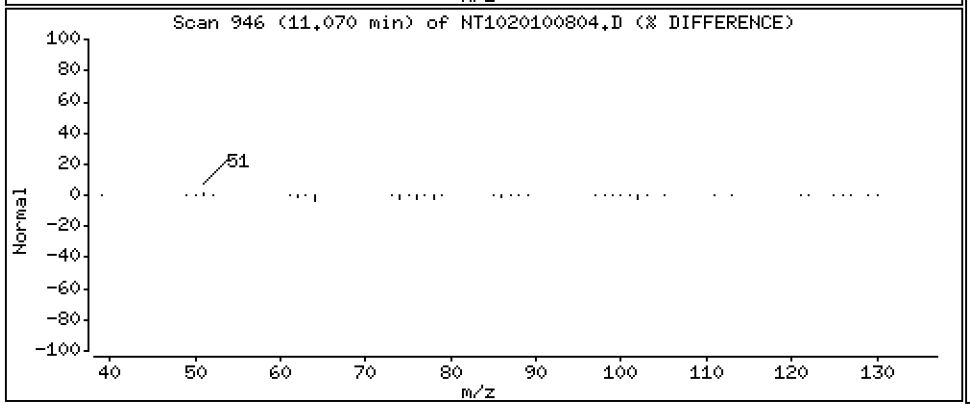
28 Naphthalene

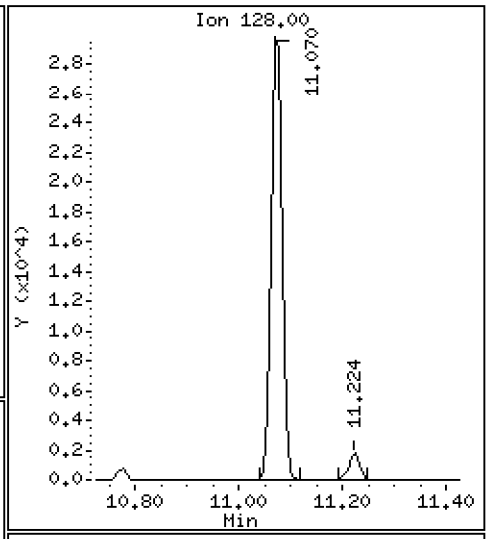
Concentration: 0.4959 ug/mL

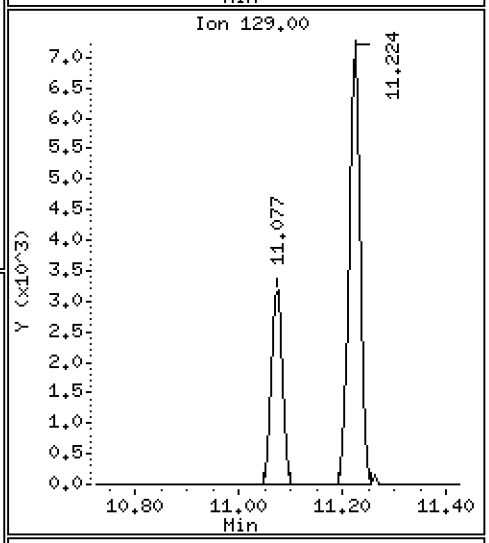


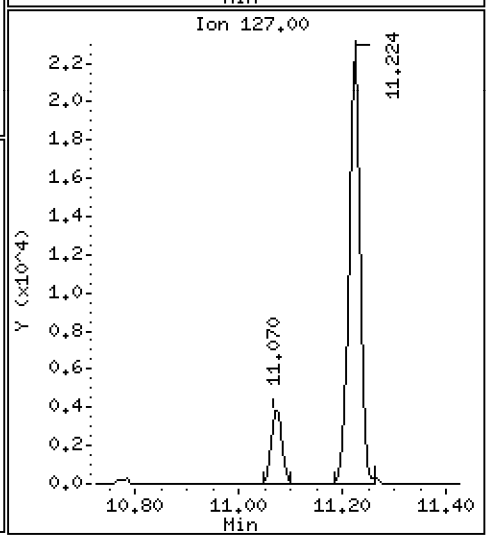












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

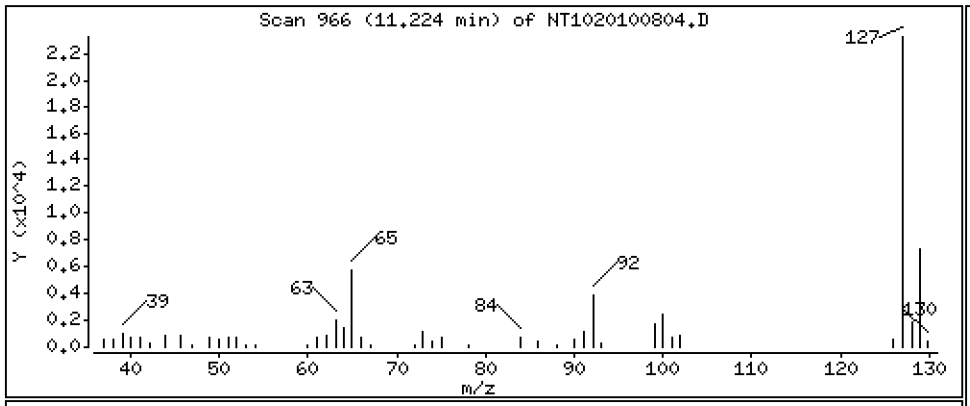
Client ID: Instrument: nt10.i

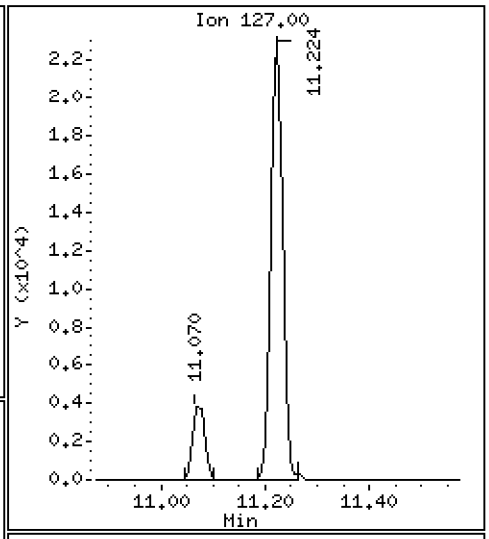
Sample Info: SIJ0109-LCV1

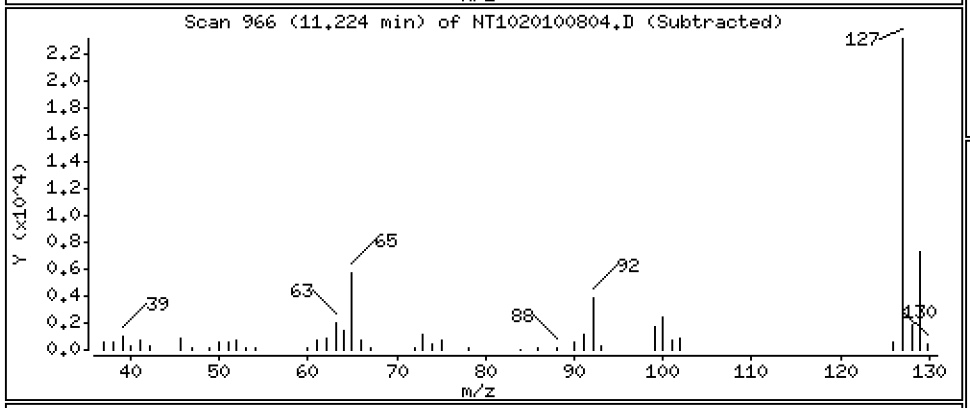
Operator: VTS

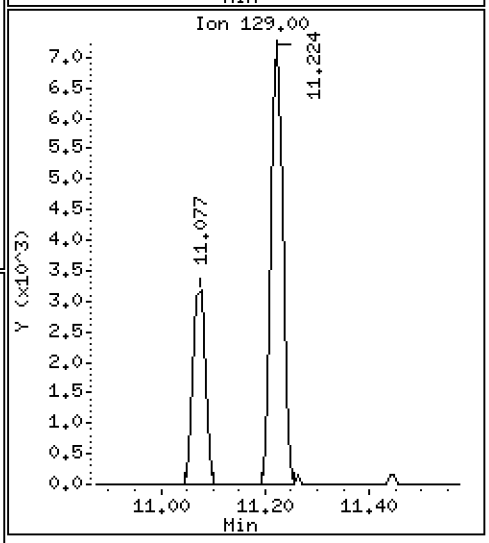
Column phase: ZB-5msi Column diameter: 0.25

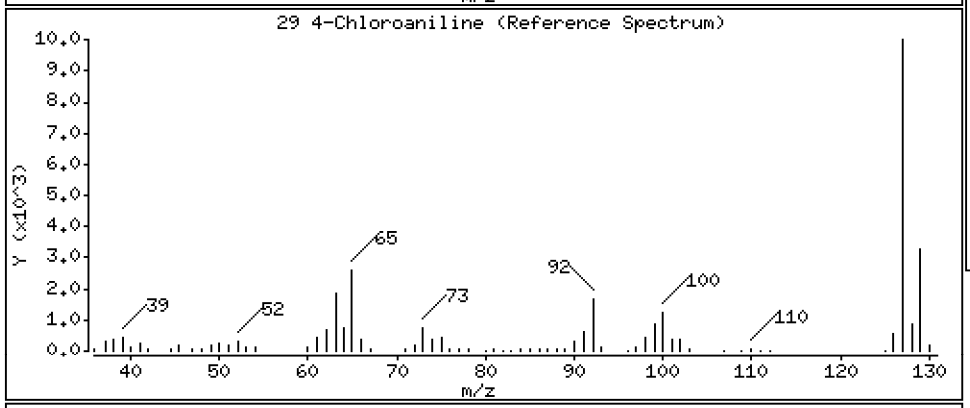
29 4-Chloroaniline Concentration: 0.8918 ug/mL

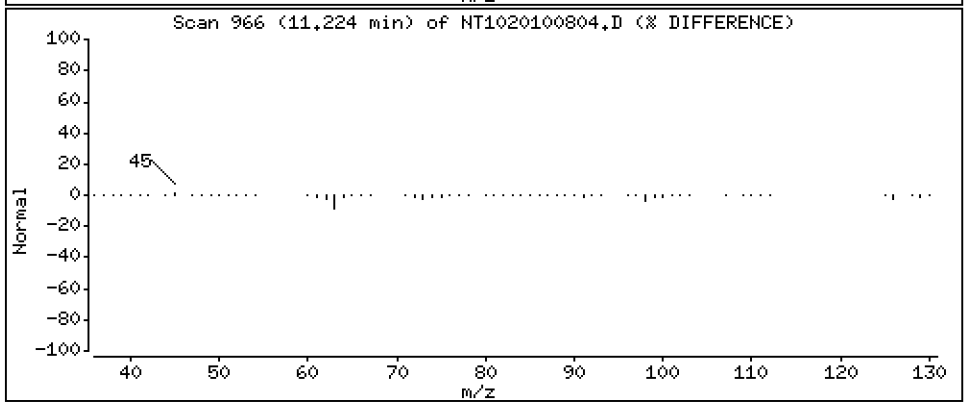












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

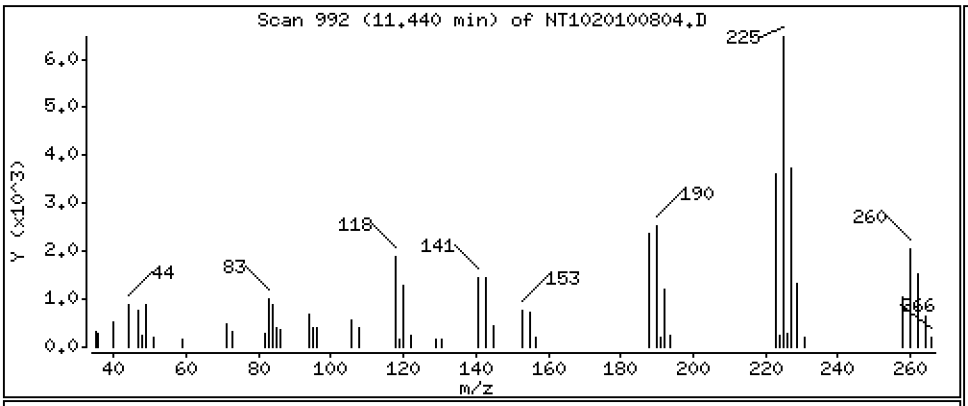
Operator: VTS

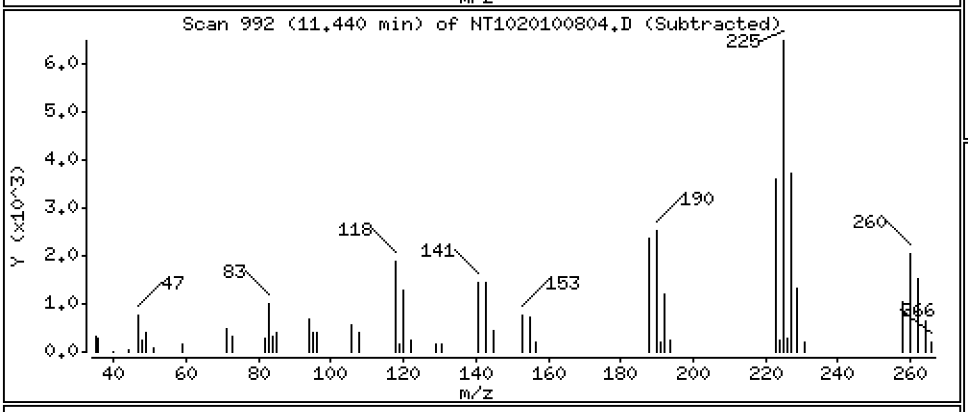
Column phase: ZB-5msi

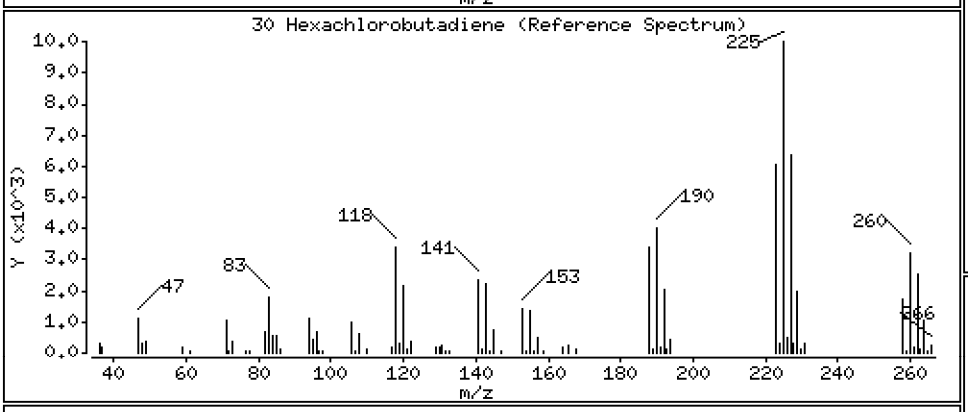
Column diameter: 0.25

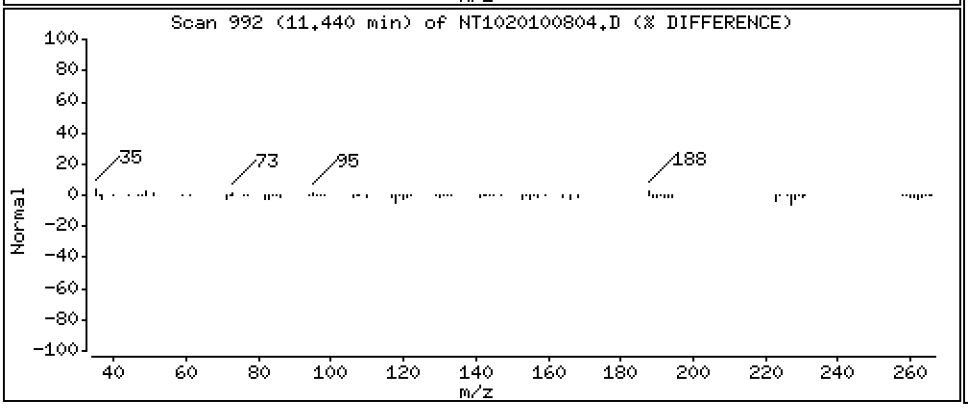
30 Hexachlorobutadiene

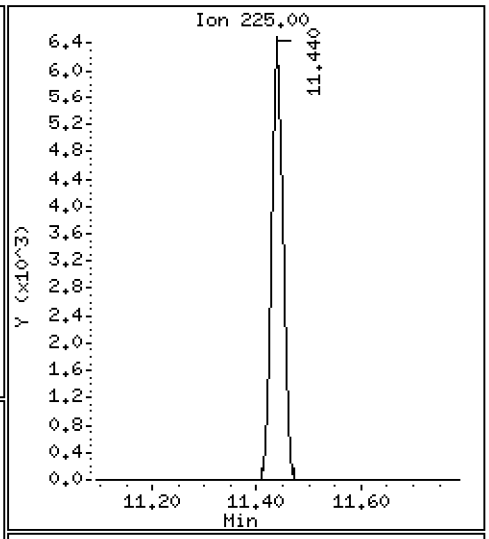
Concentration: 0.5056 ug/mL

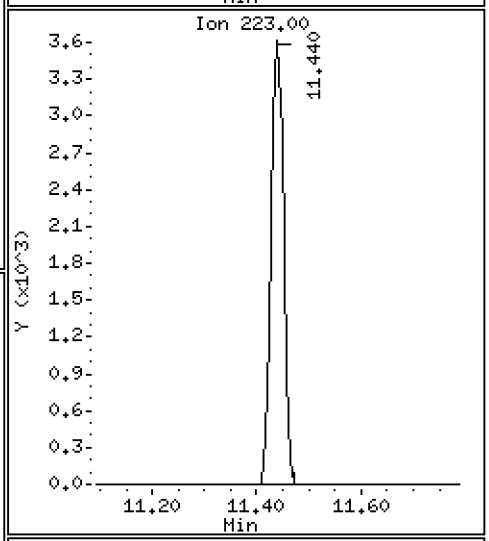


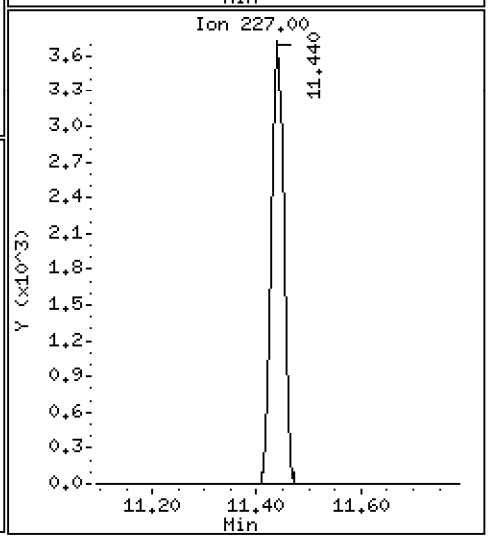












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

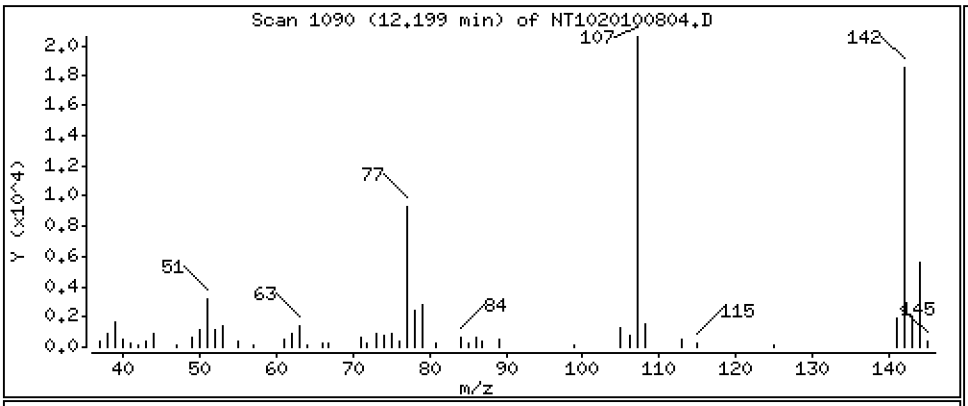
Operator: VTS

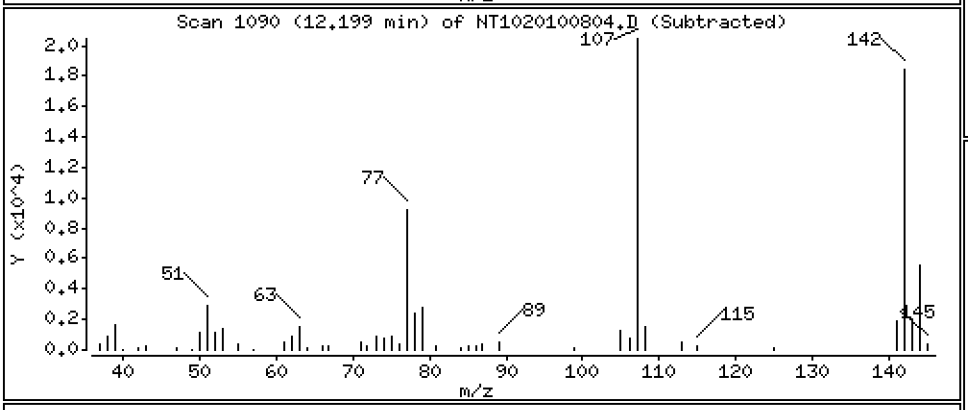
Column phase: ZB-5msi

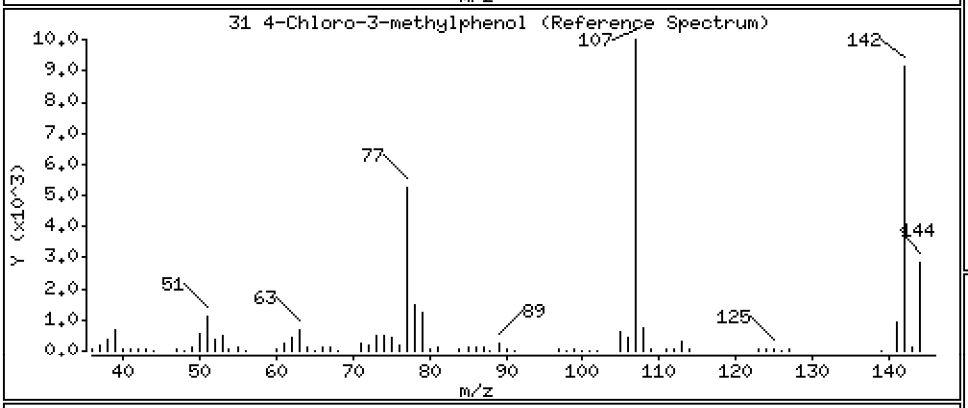
Column diameter: 0.25

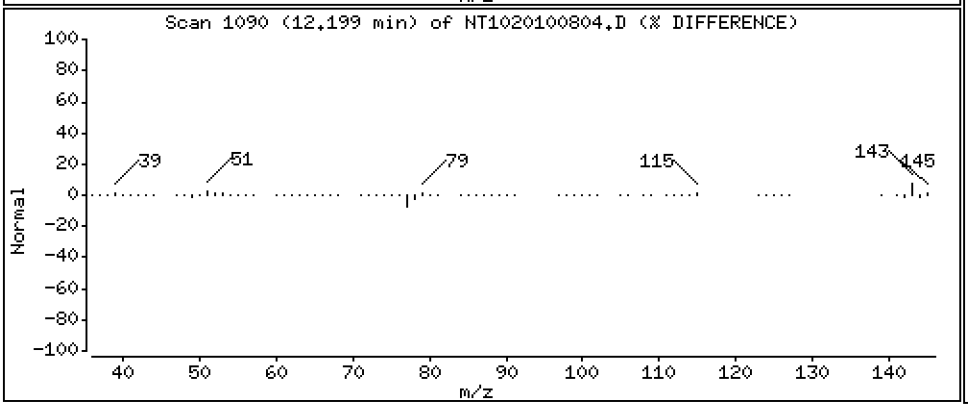
31 4-Chloro-3-methylphenol

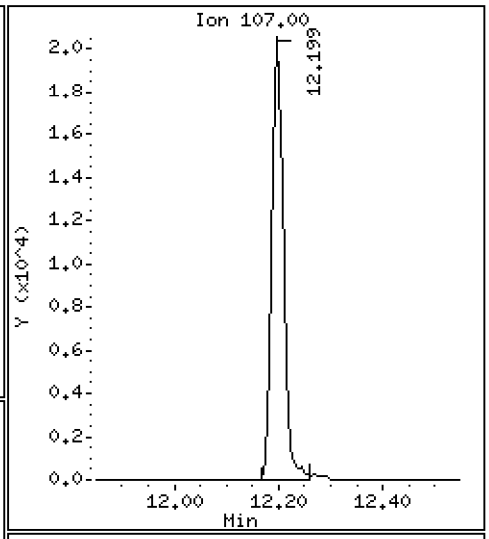
Concentration: 0.9481 ug/mL

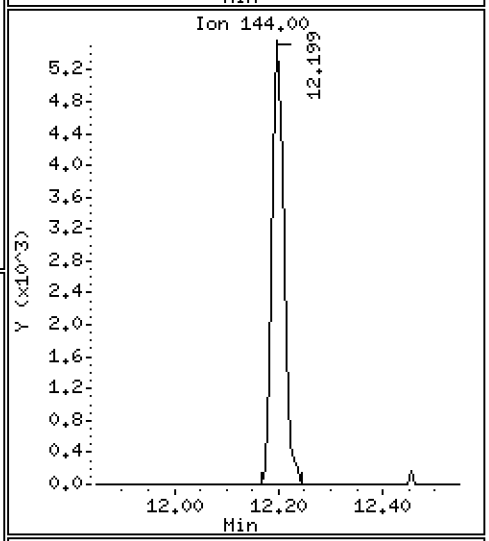


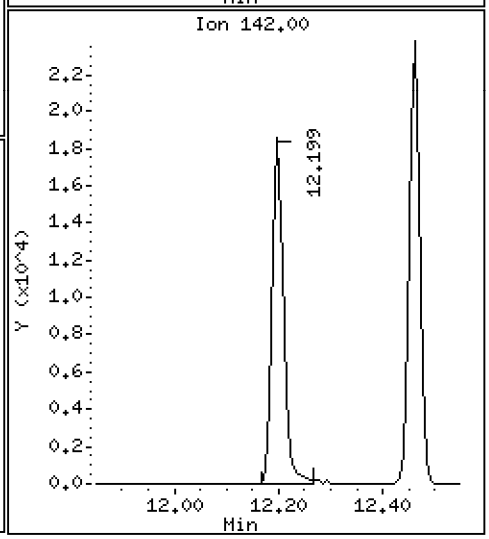












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

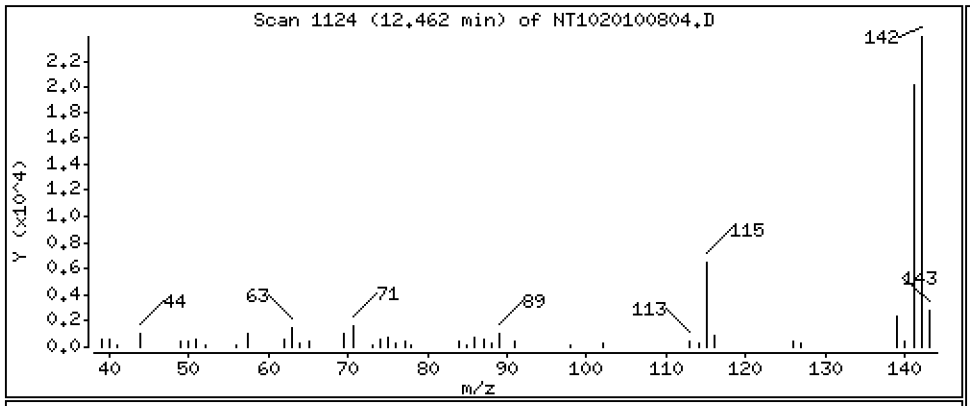
Operator: VTS

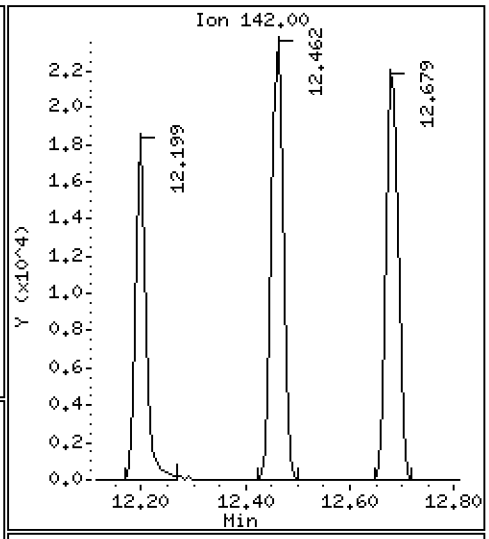
Column phase: ZB-5msi

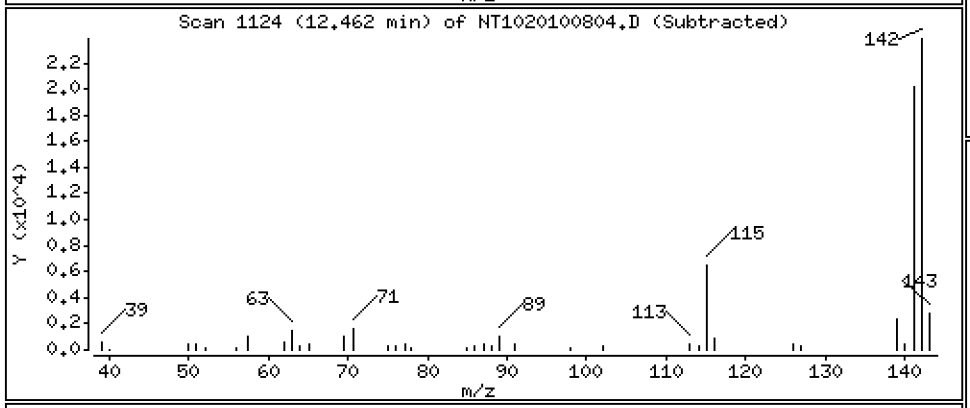
Column diameter: 0.25

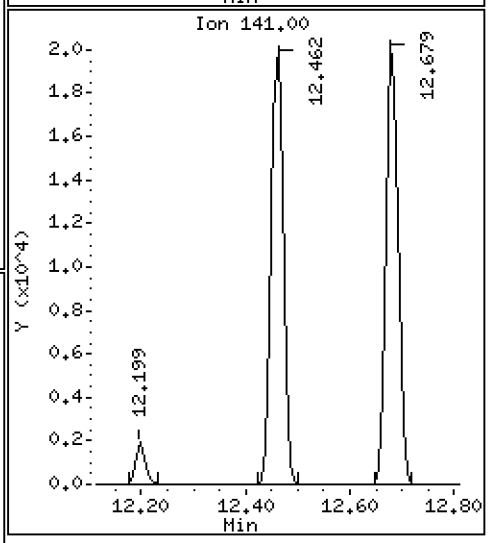
32 2-Methylnaphthalene

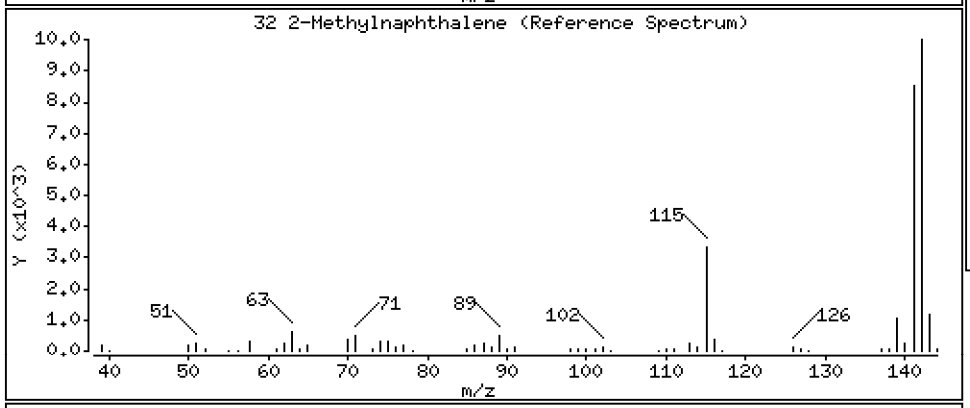
Concentration: 0.4564 ug/mL

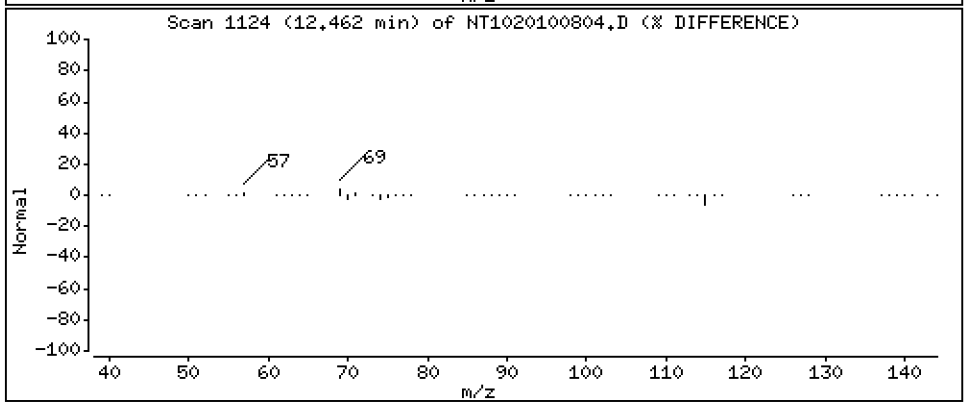












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

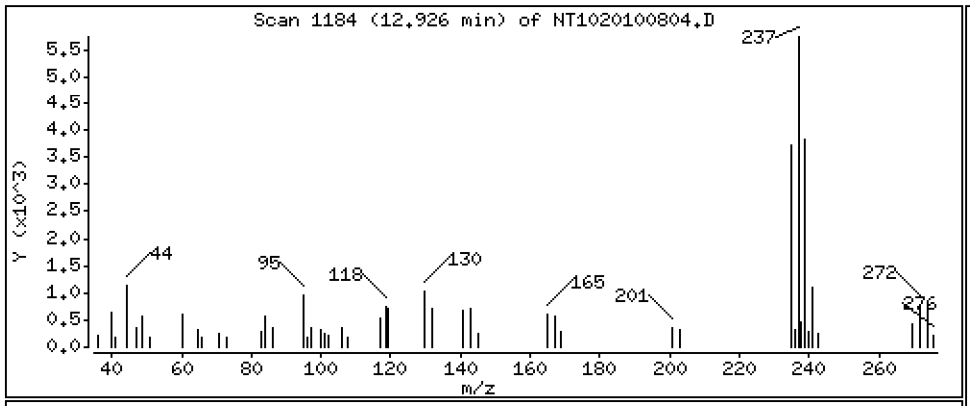
Operator: VTS

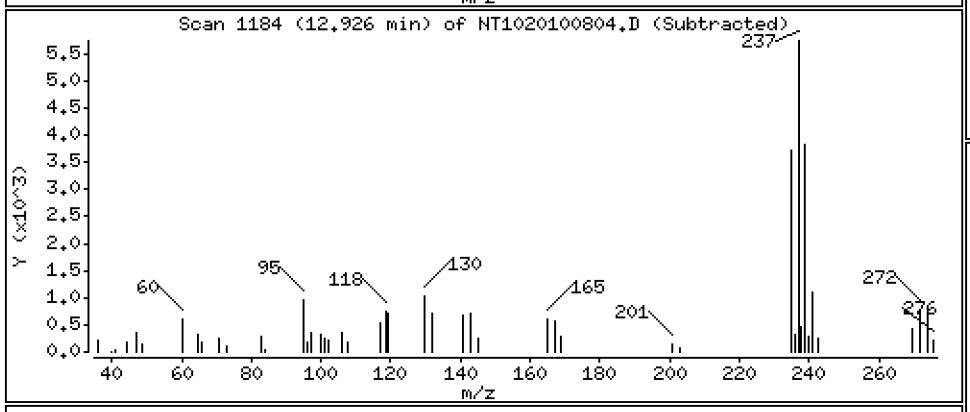
Column phase: ZB-5msi

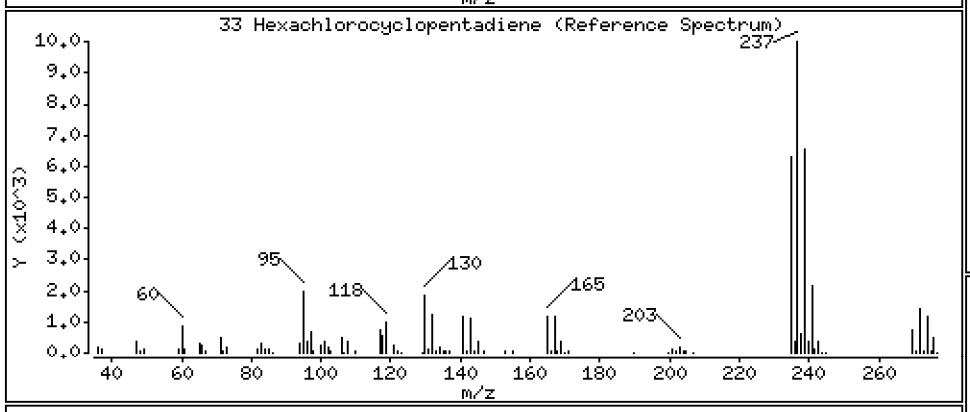
Column diameter: 0.25

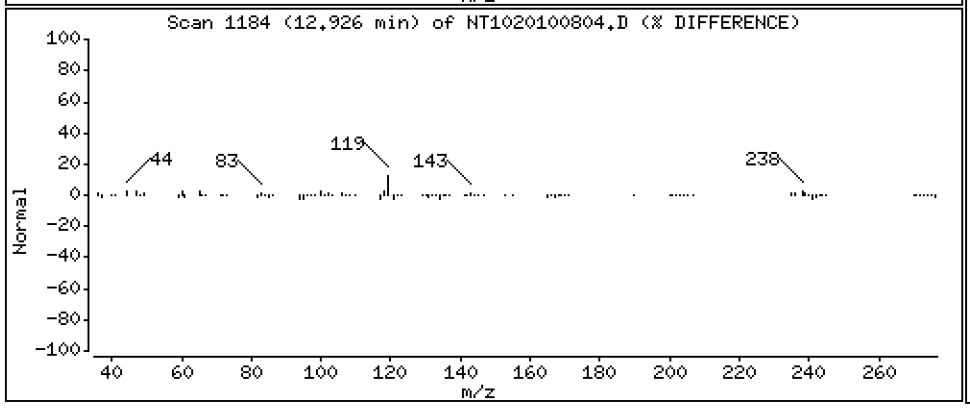
33 Hexachlorocyclopentadiene

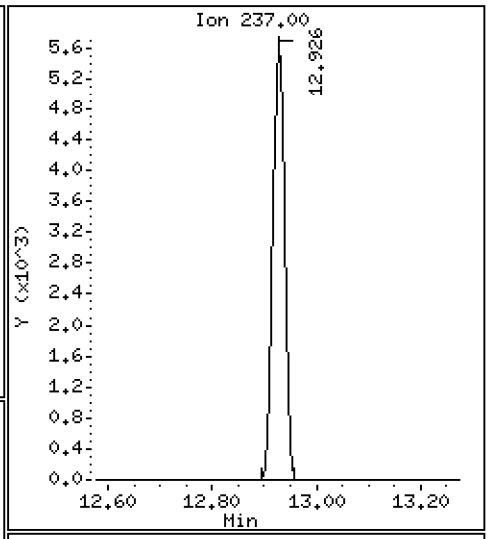
Concentration: 0.3701 ug/mL

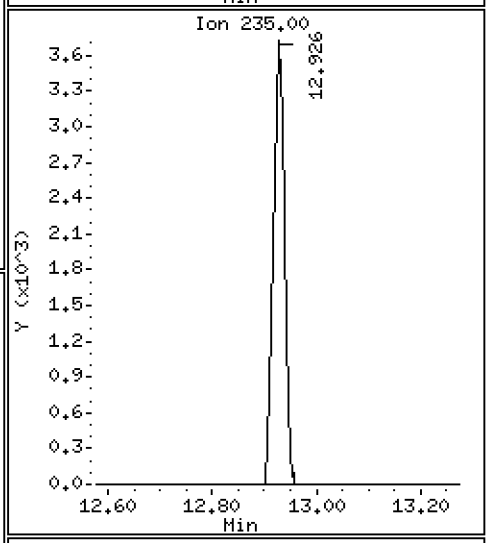


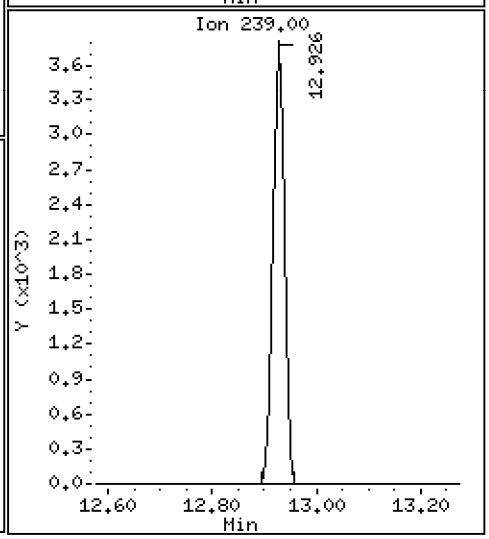












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

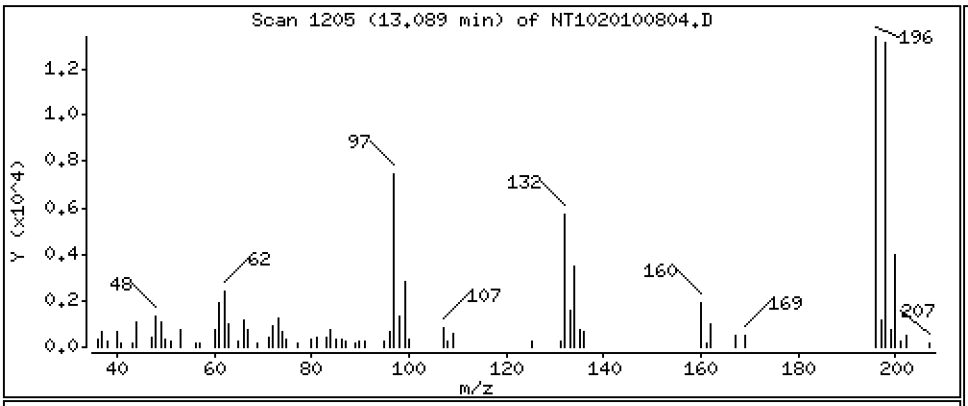
Operator: VTS

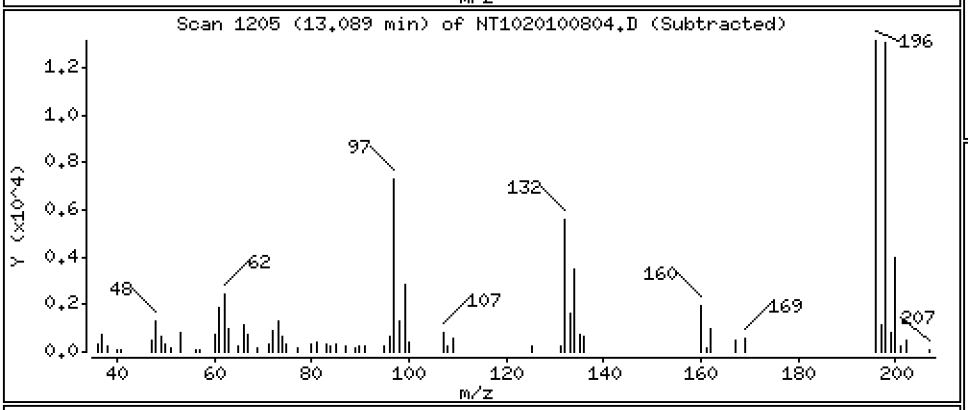
Column phase: ZB-5msi

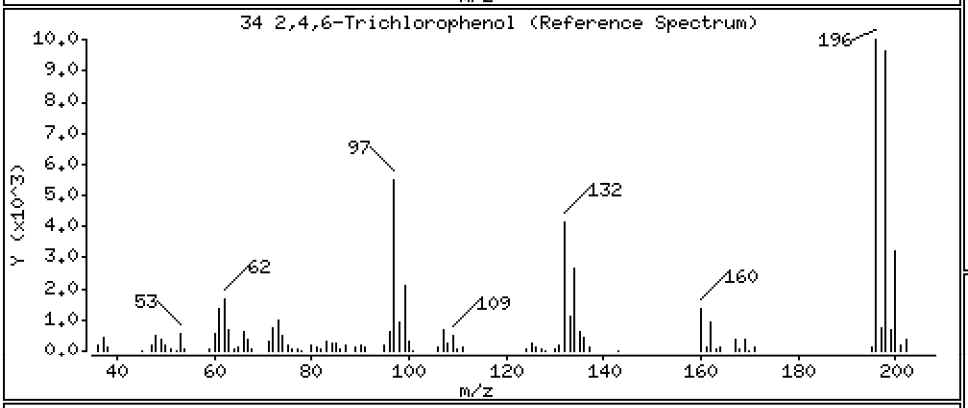
Column diameter: 0.25

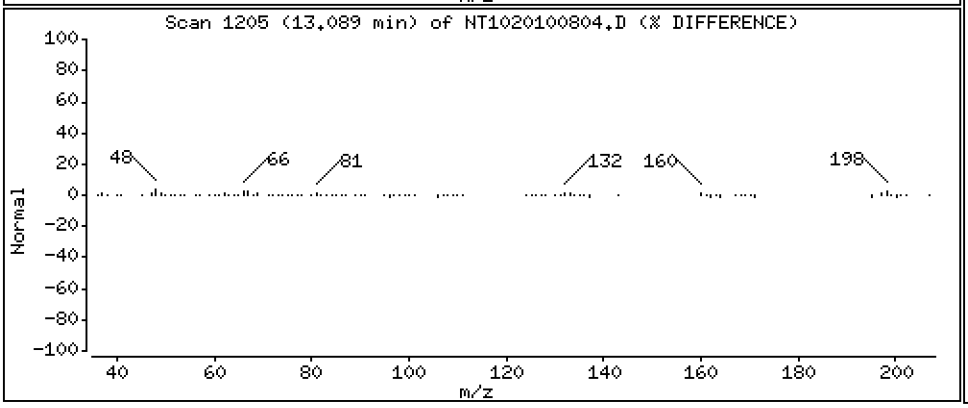
34 2,4,6-Trichlorophenol

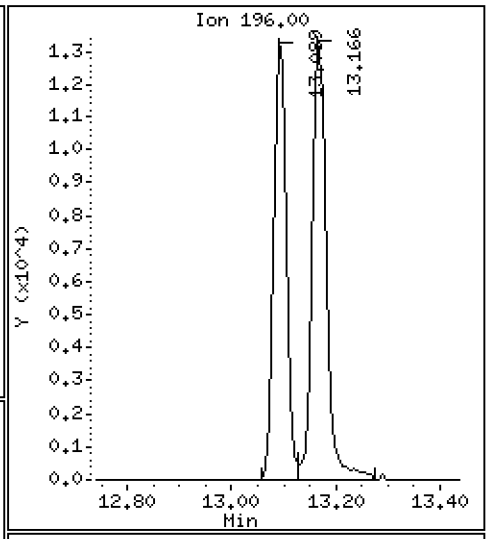
Concentration: 0.9525 ug/mL

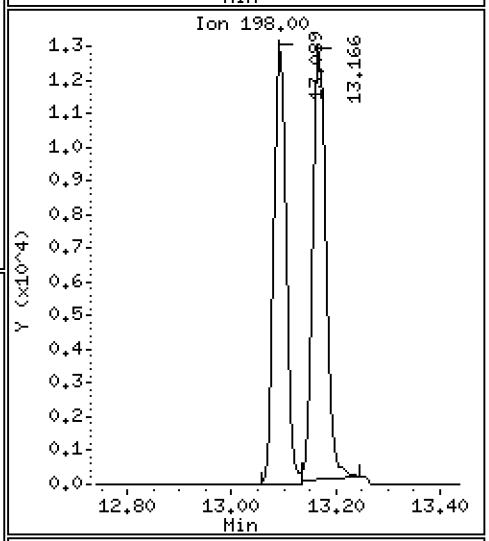


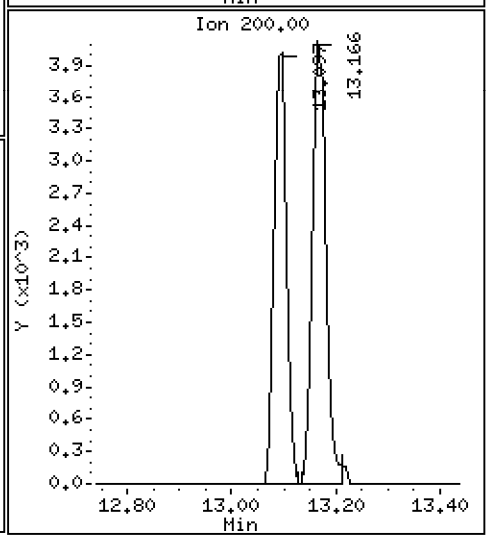












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

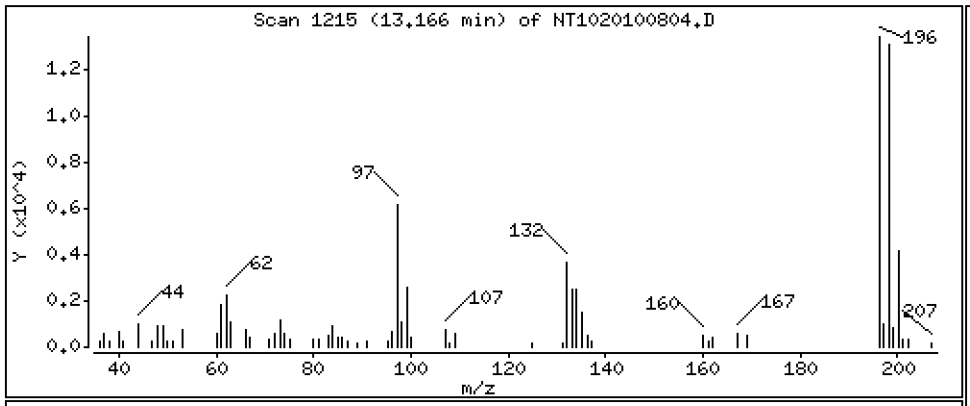
Client ID: Instrument: nt10.i

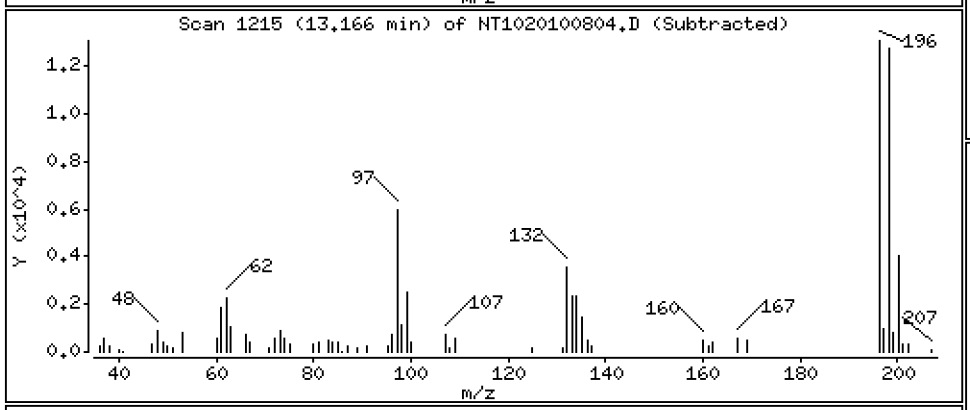
Sample Info: SIJ0109-LCV1

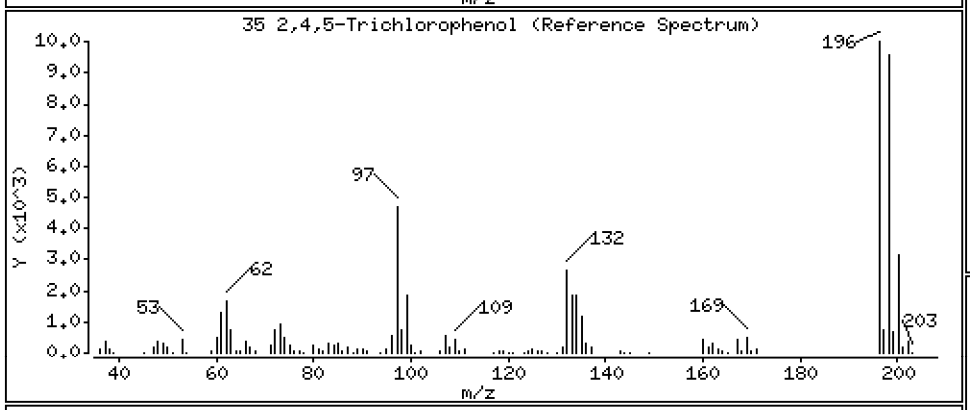
Operator: VTS

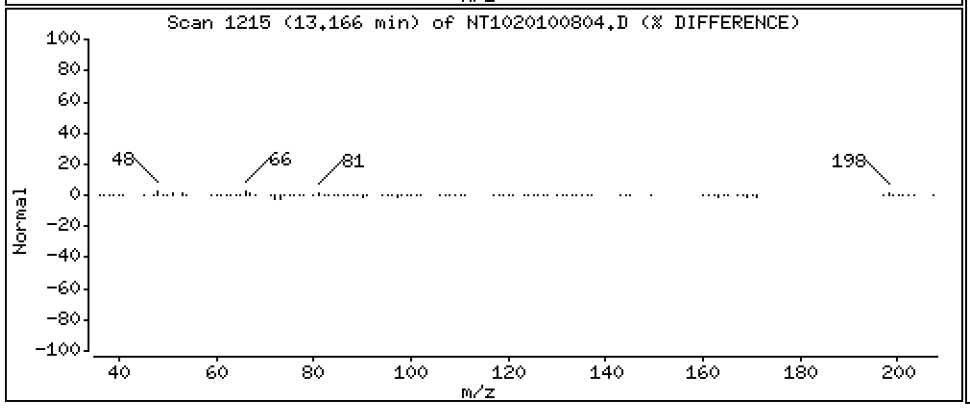
Column phase: ZB-5msi Column diameter: 0.25

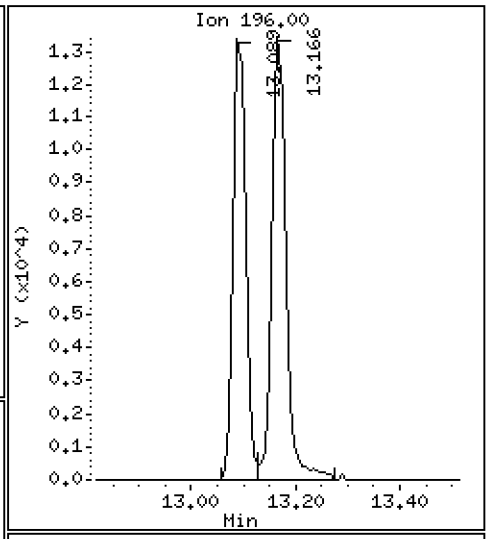
35 2,4,5-Trichlorophenol Concentration: 0.9887 ug/mL

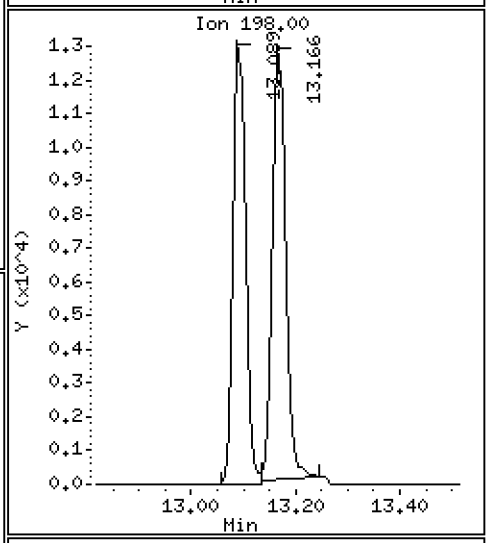


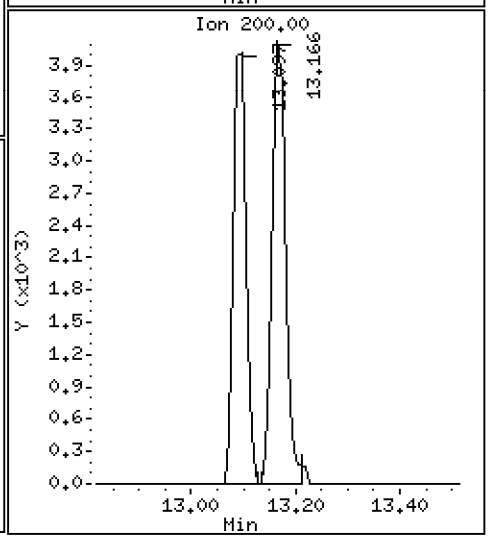












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

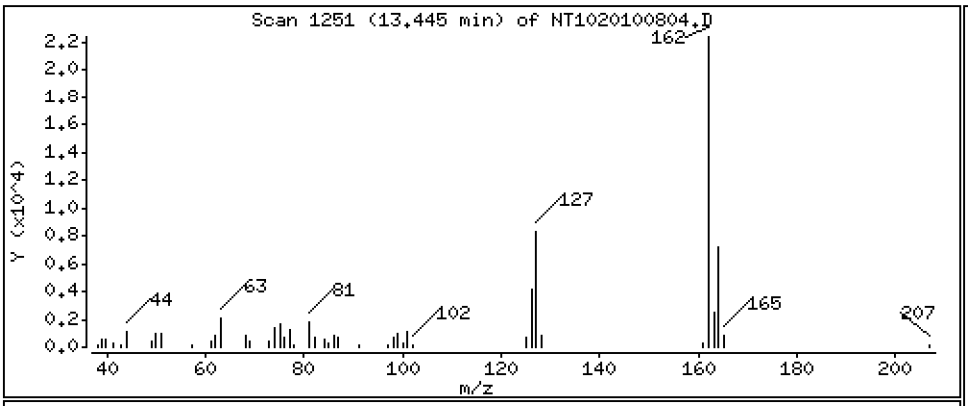
Operator: VTS

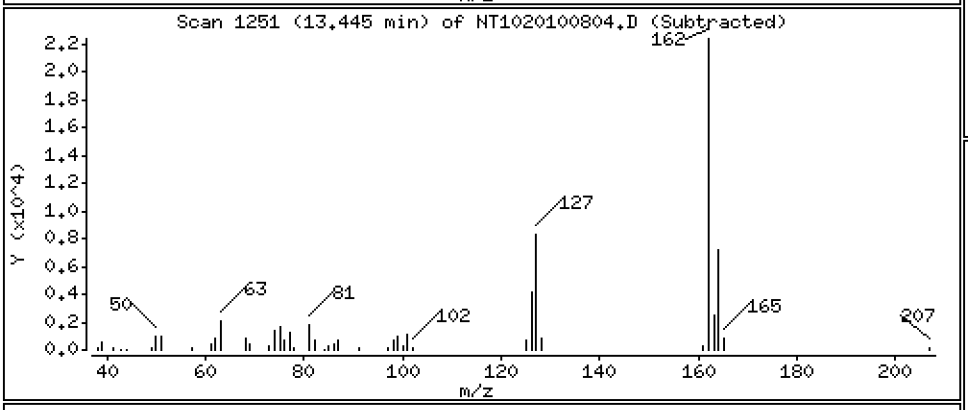
Column phase: ZB-5msi

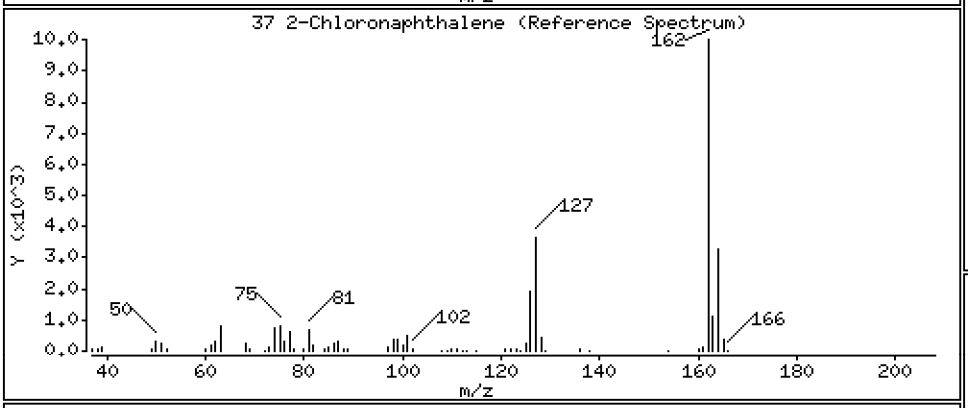
Column diameter: 0.25

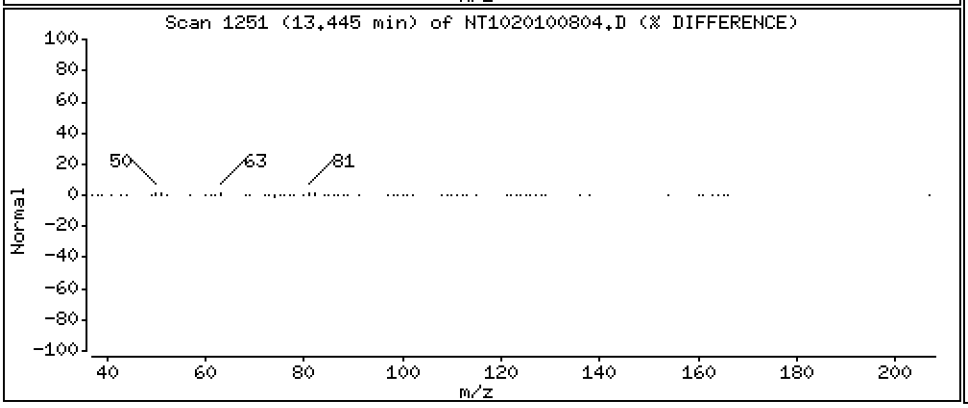
37 2-Chloronaphthalene

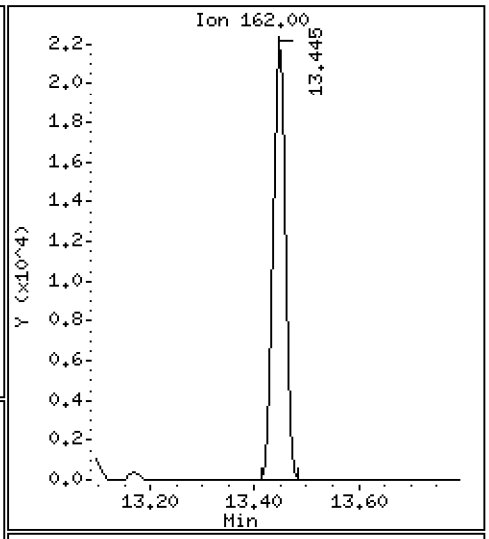
Concentration: 0.4856 ug/mL

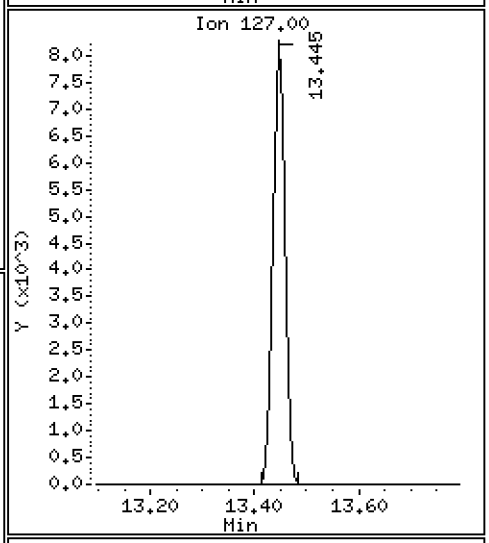


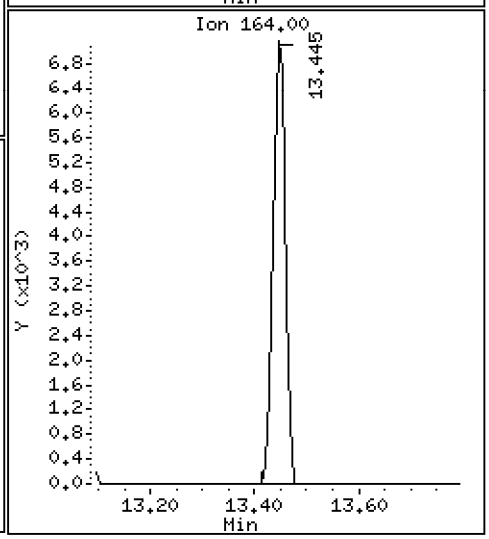












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

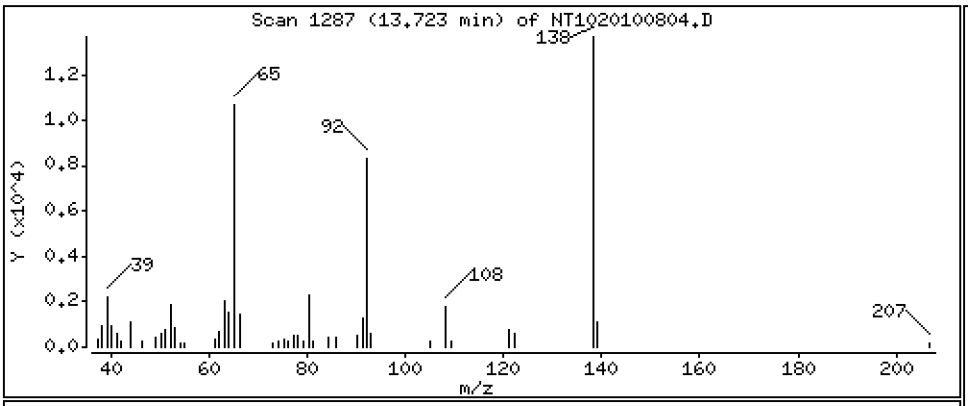
Operator: VTS

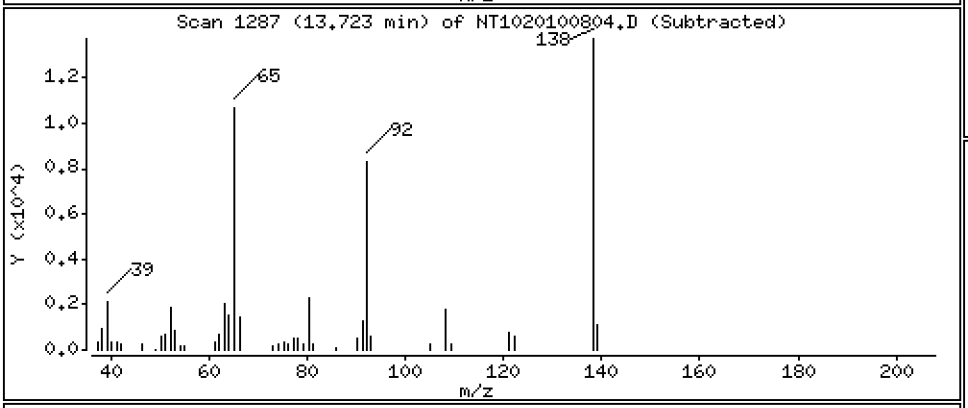
Column phase: ZB-5msi

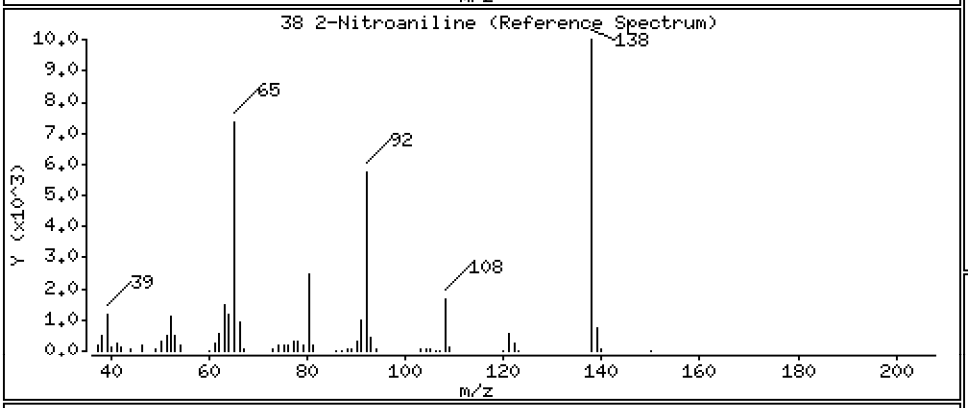
Column diameter: 0.25

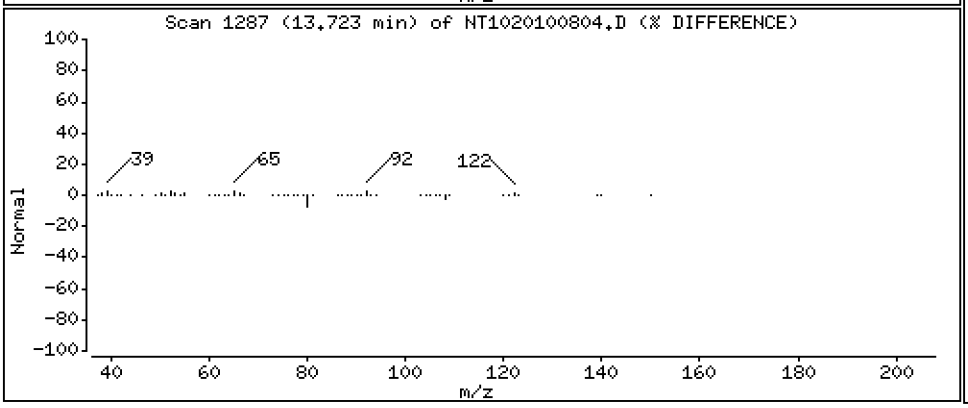
38 2-Nitroaniline

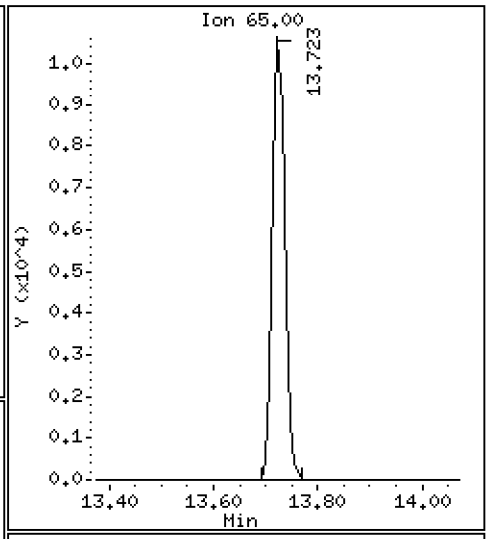
Concentration: 0.9128 ug/mL

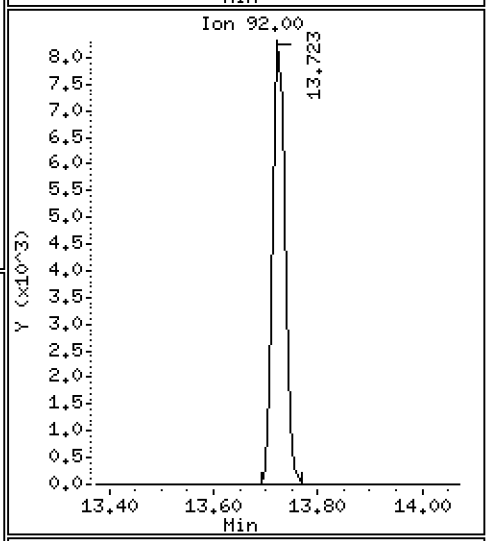


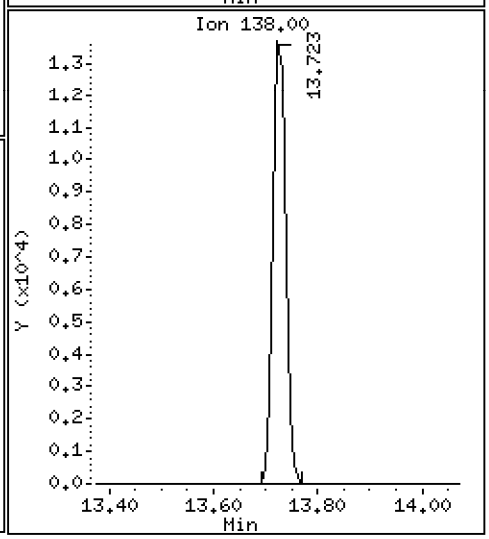












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

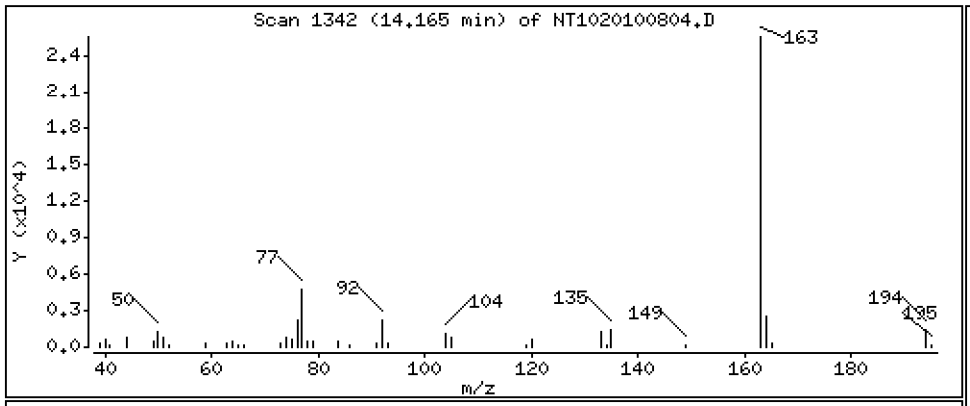
Operator: VTS

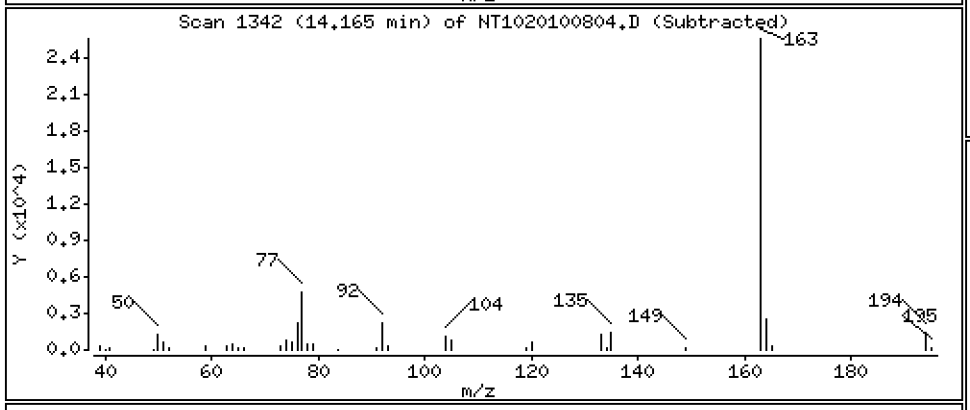
Column phase: ZB-5msi

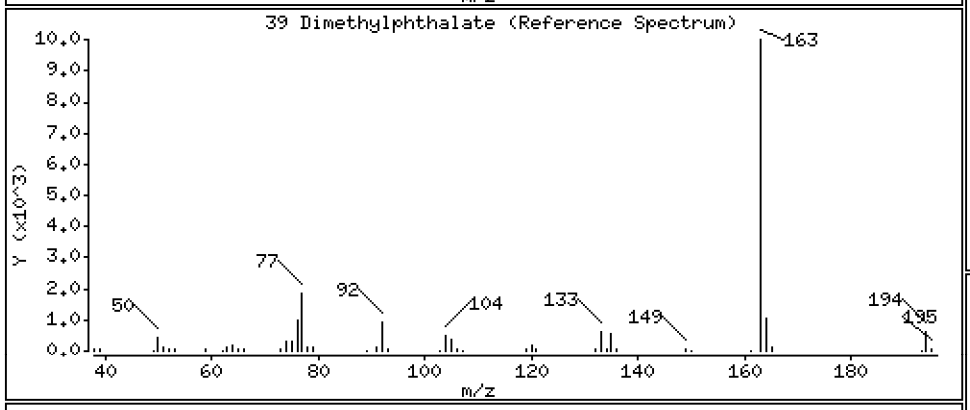
Column diameter: 0.25

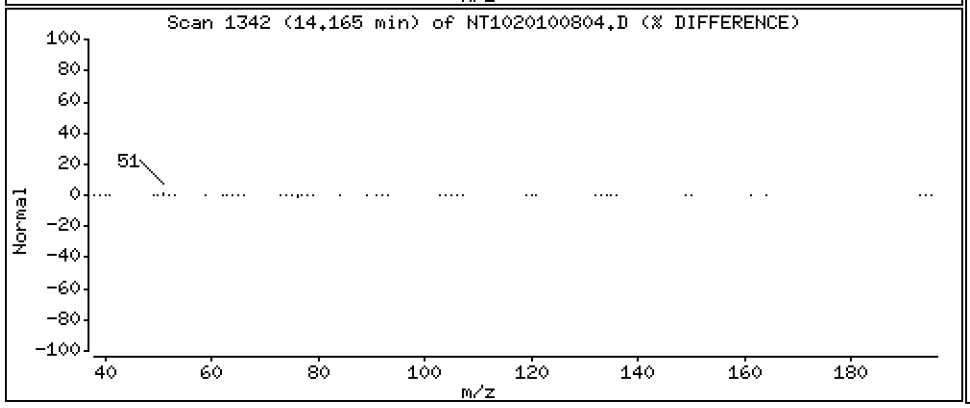
39 Dimethylphthalate

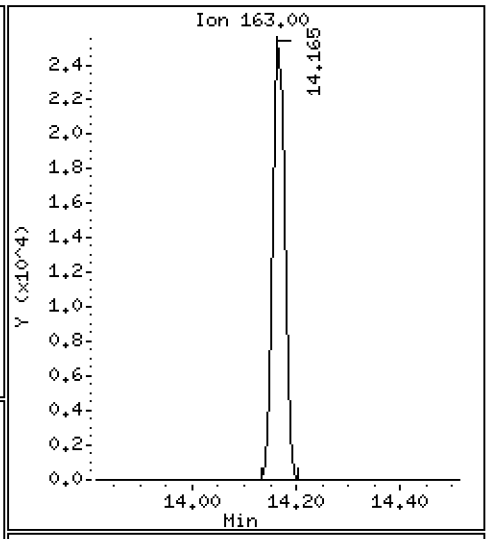
Concentration: 0.5606 ug/mL

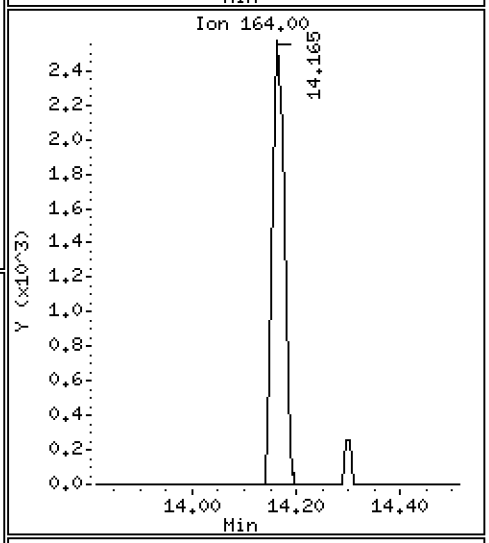


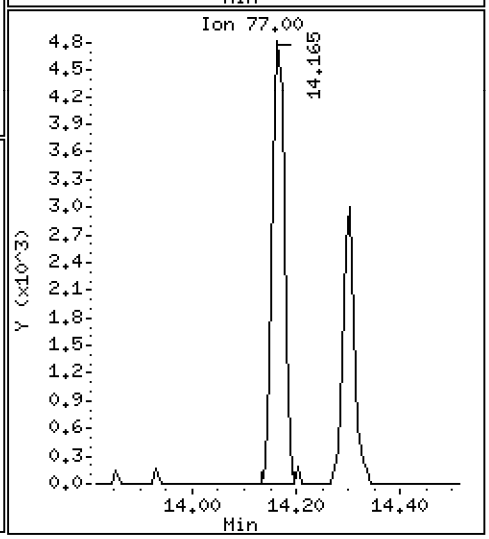












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

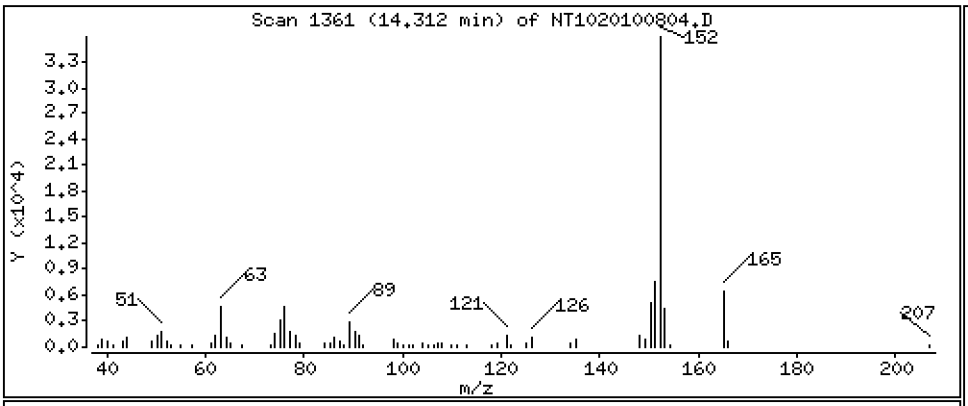
Operator: VTS

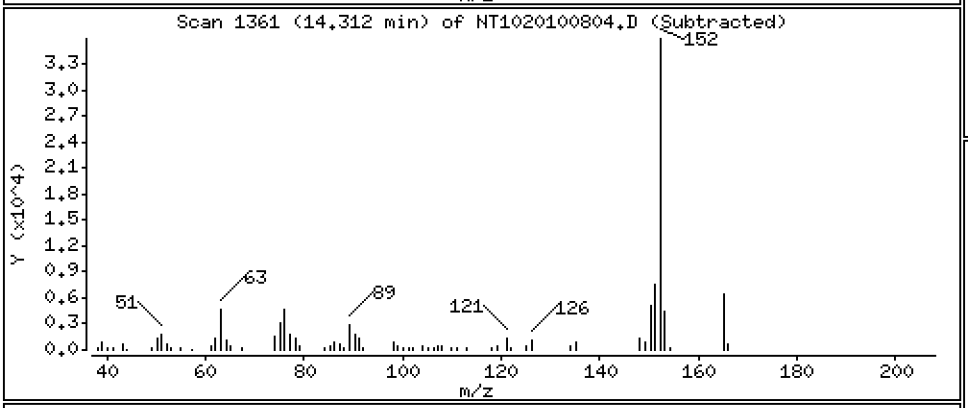
Column phase: ZB-5msi

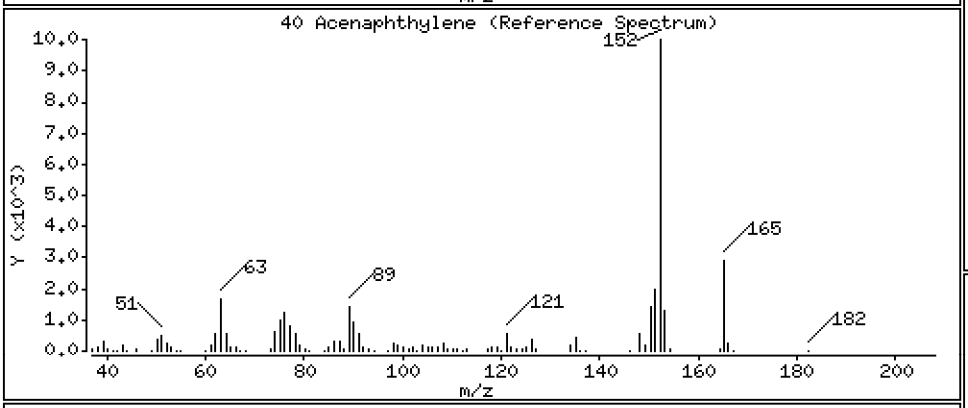
Column diameter: 0.25

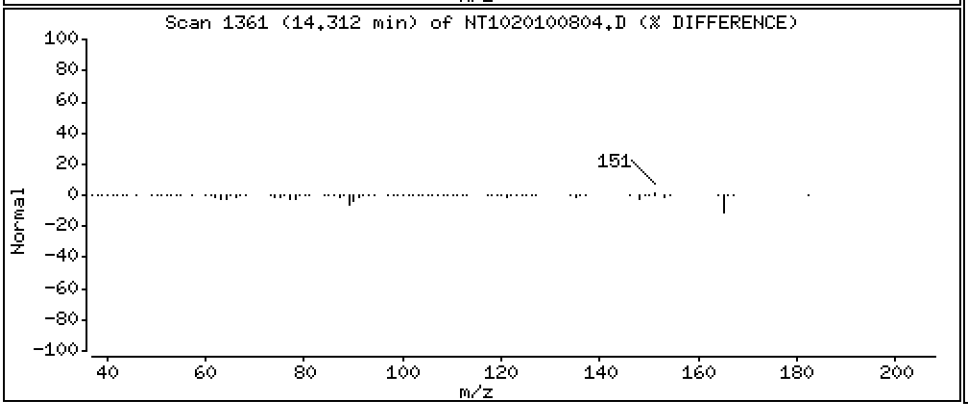
40 Acenaphthylene

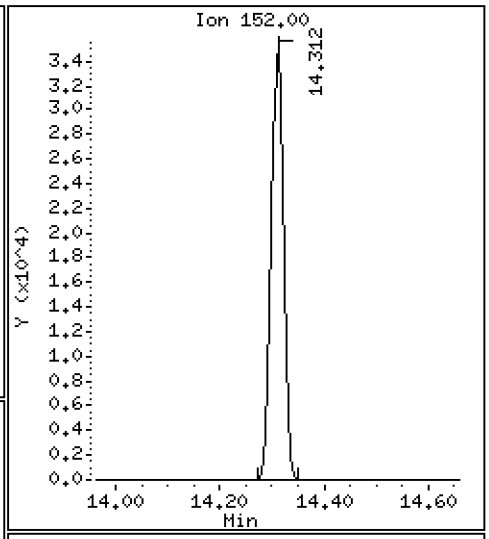
Concentration: 0.5327 ug/mL

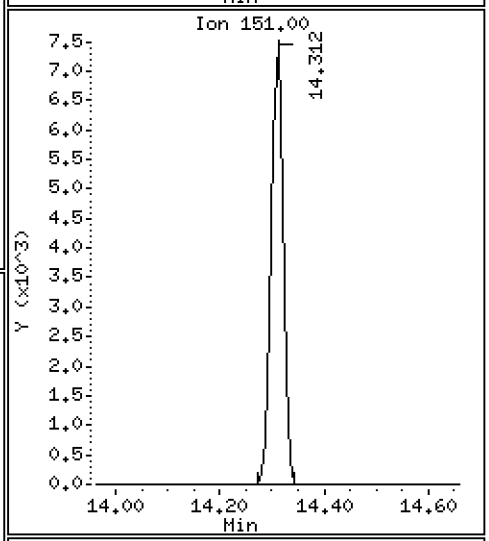


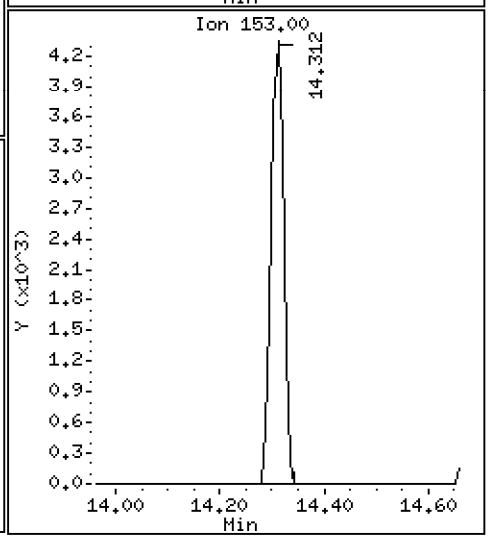












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

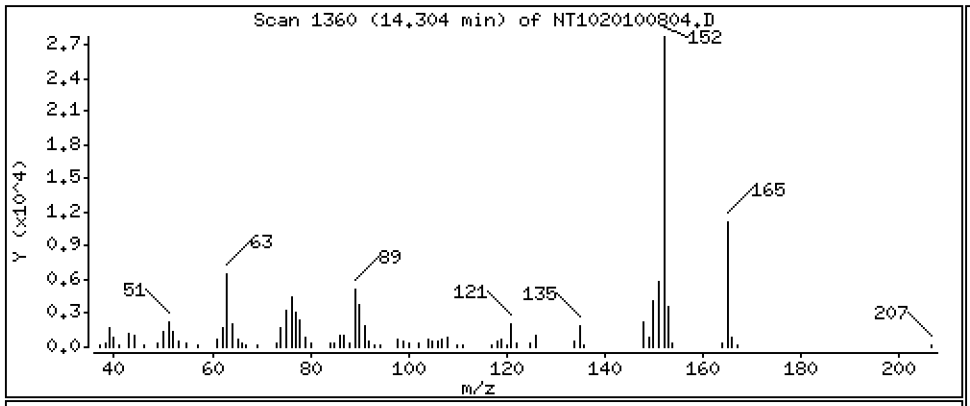
Operator: VTS

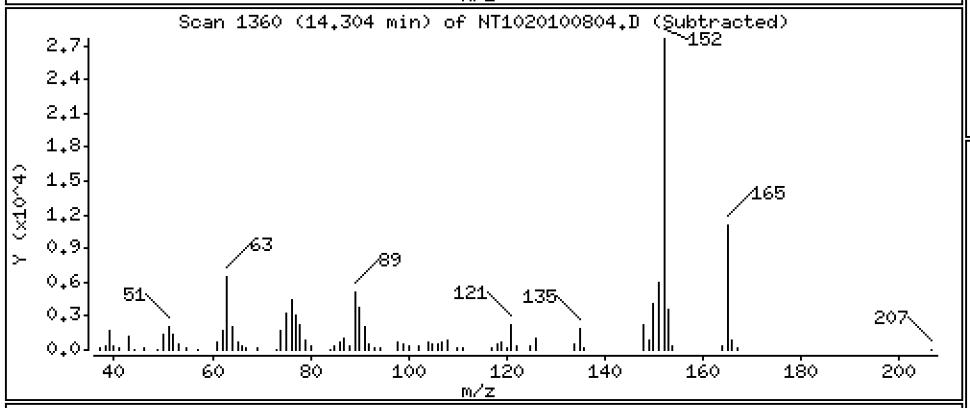
Column phase: ZB-5msi

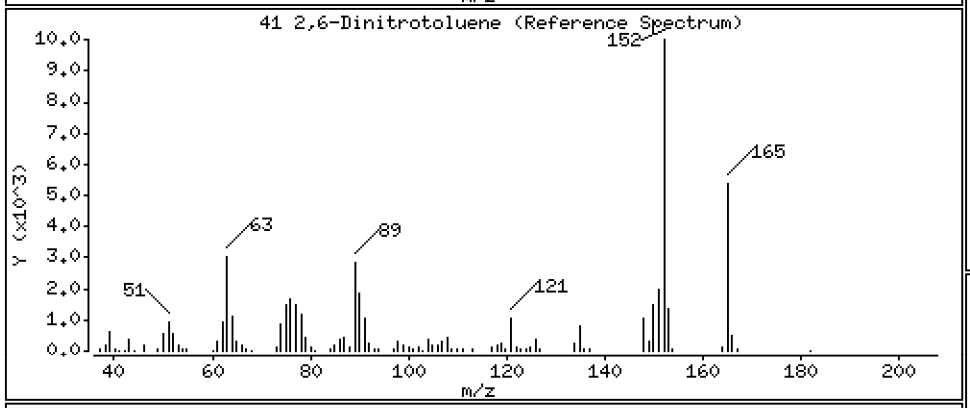
Column diameter: 0.25

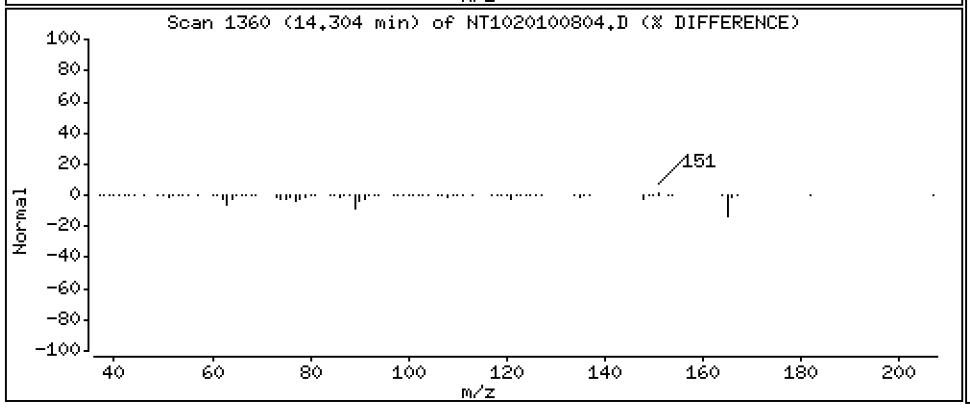
41 2,6-Dinitrotoluene

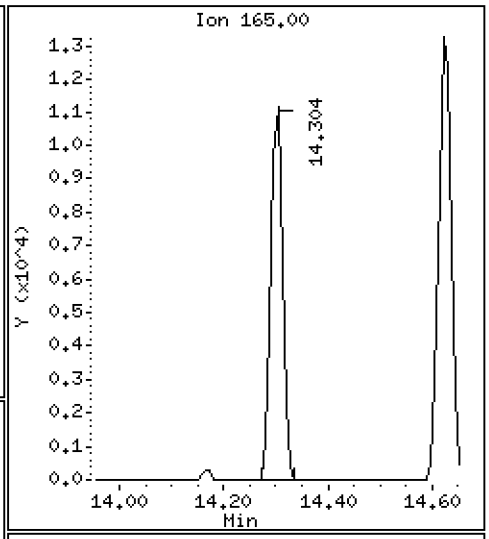
Concentration: 1.058 ug/mL

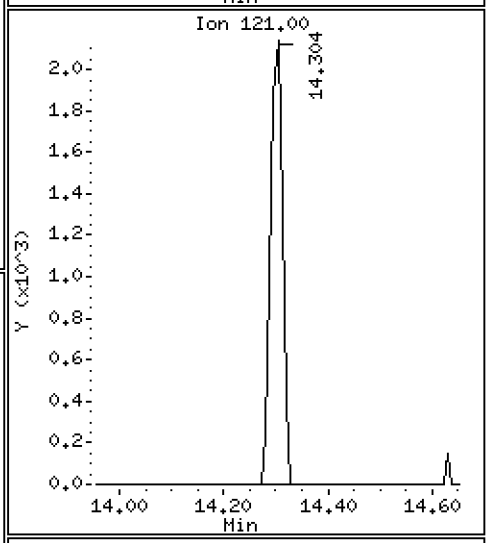


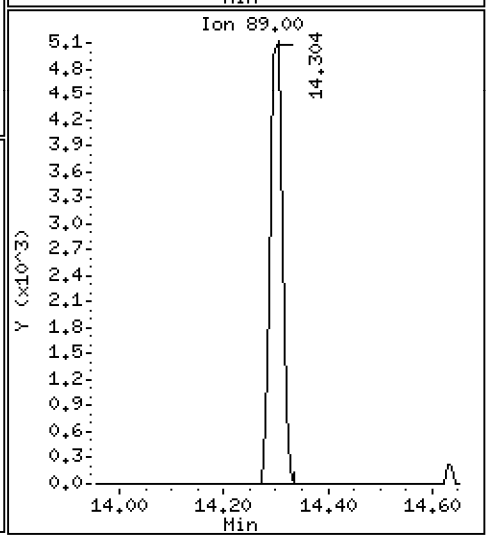












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

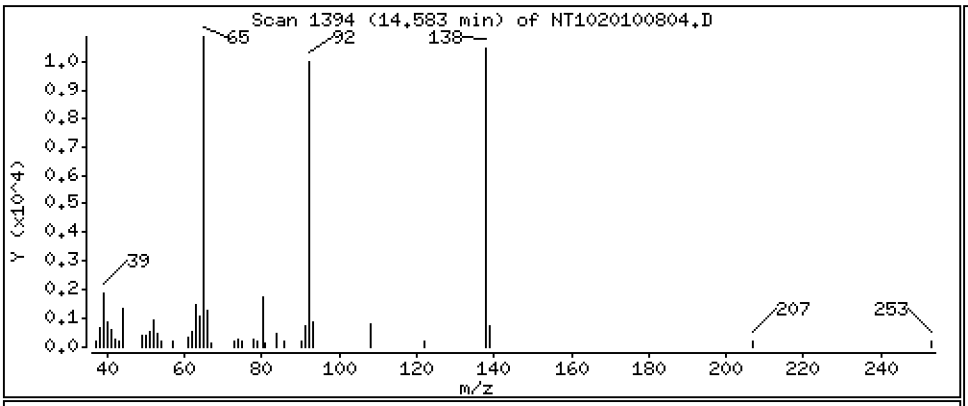
Operator: VTS

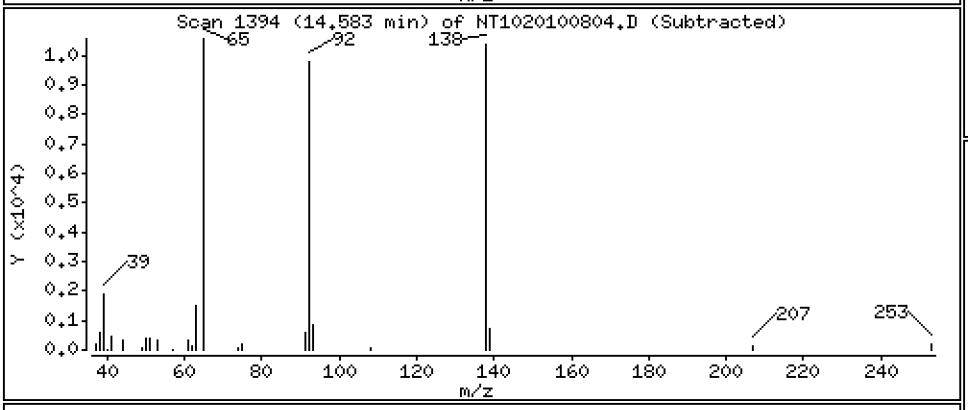
Column phase: ZB-5msi

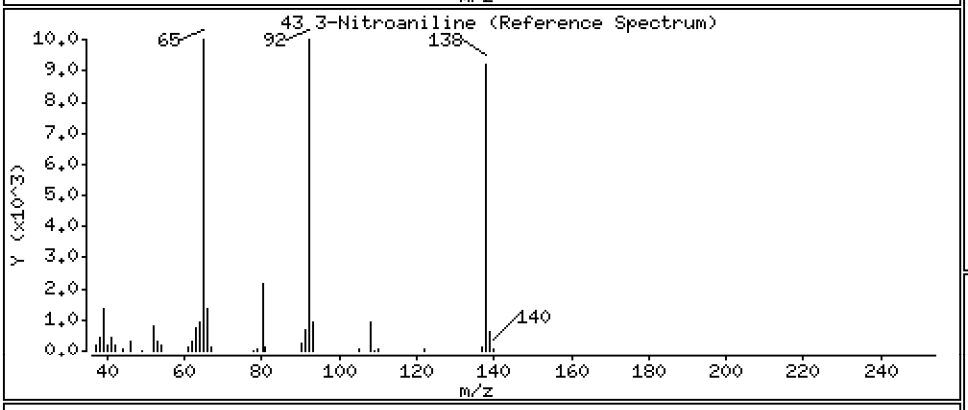
Column diameter: 0.25

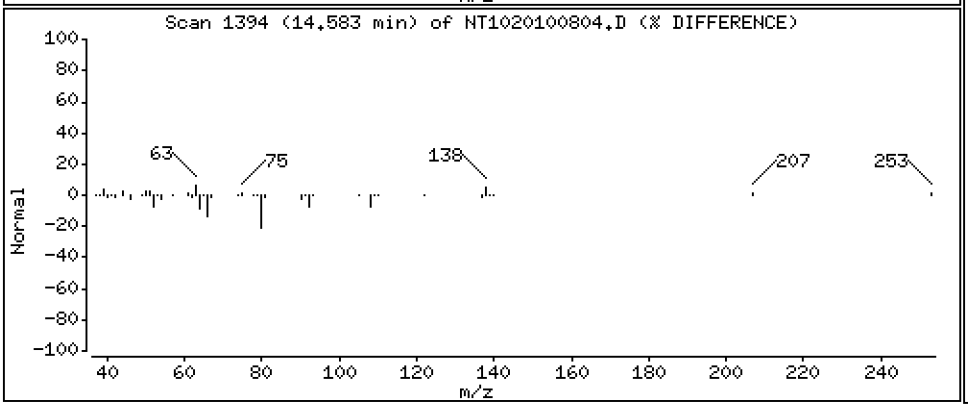
43 3-Nitroaniline

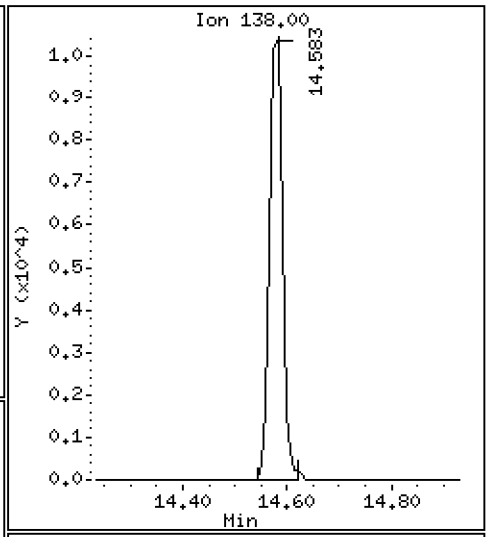
Concentration: 0.9471 ug/mL

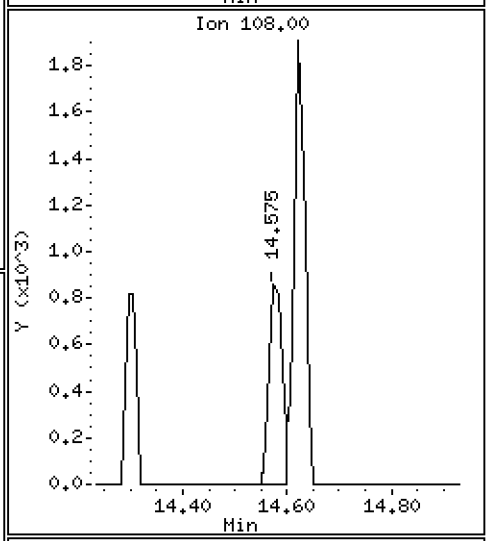


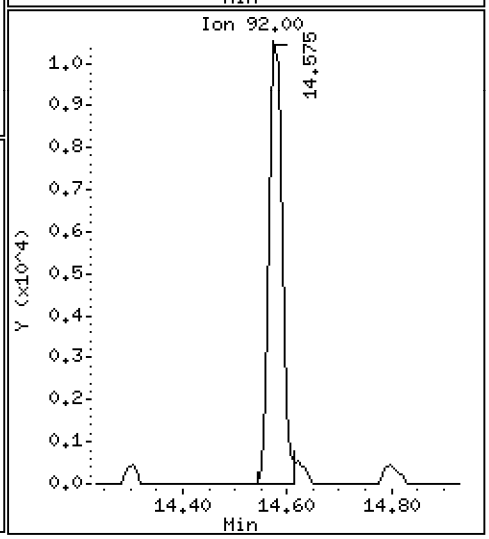












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

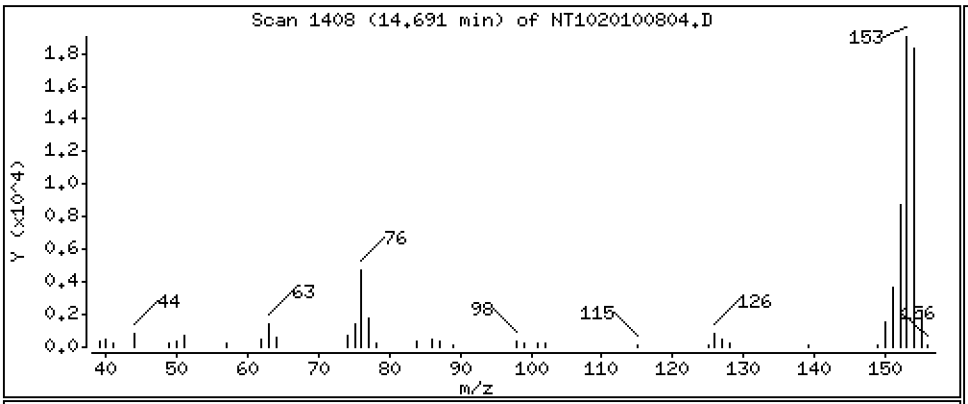
Operator: VTS

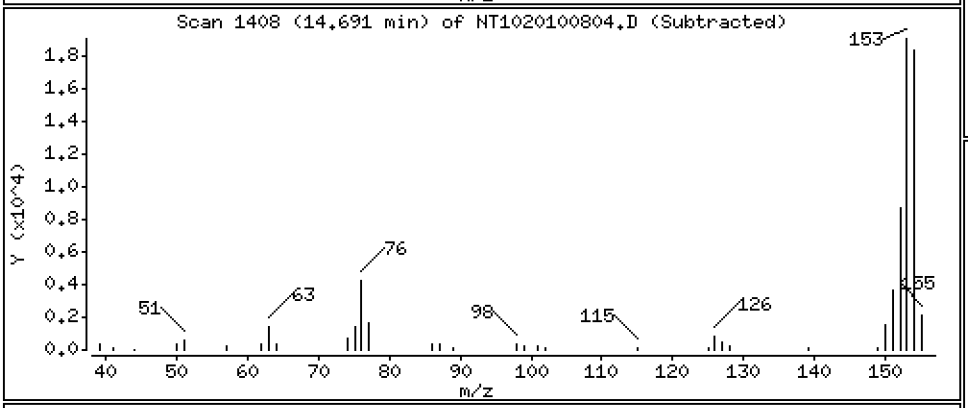
Column phase: ZB-5msi

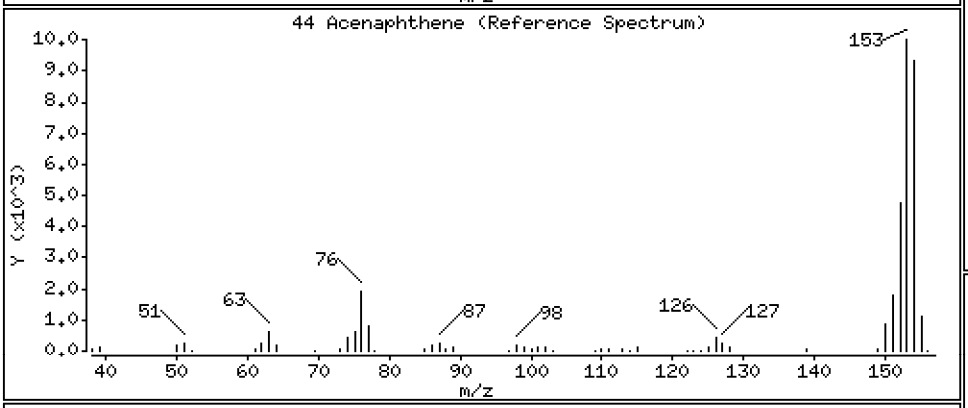
Column diameter: 0.25

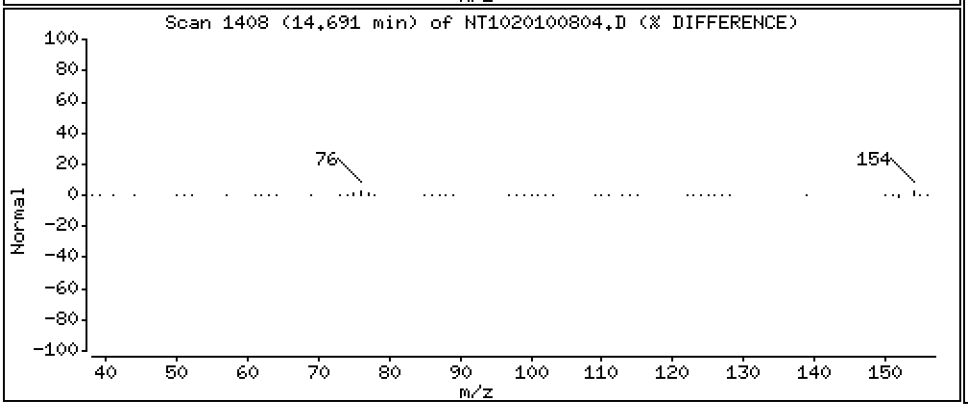
44 Acenaphthene

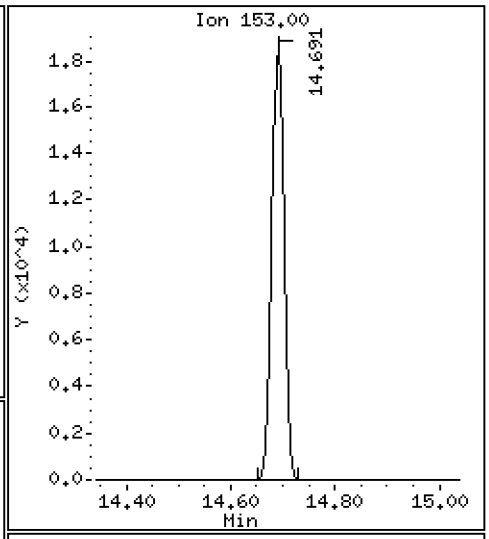
Concentration: 0.4923 ug/mL

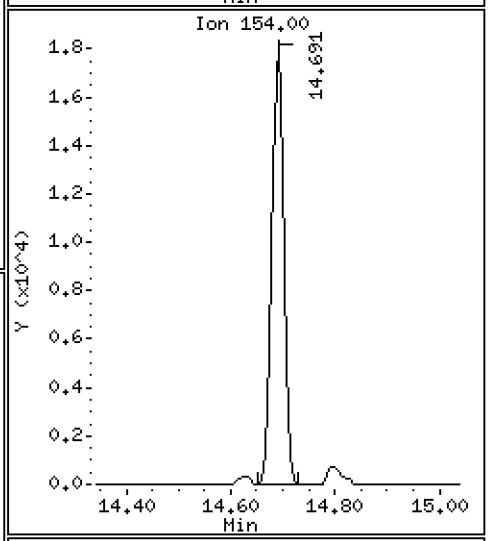


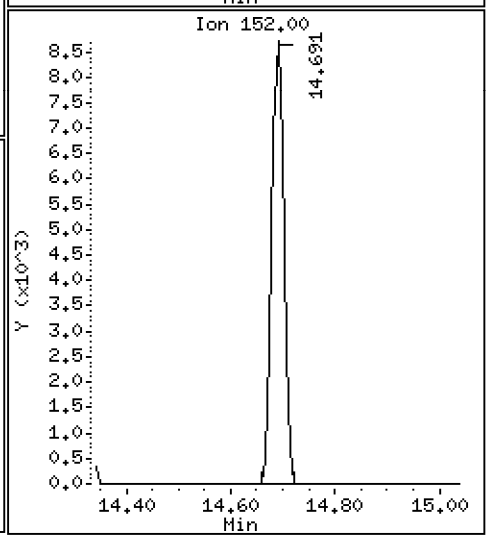












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

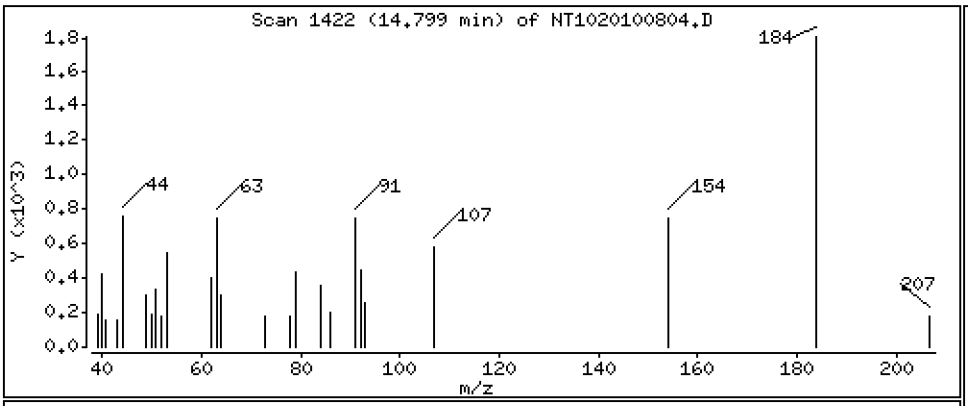
Operator: VTS

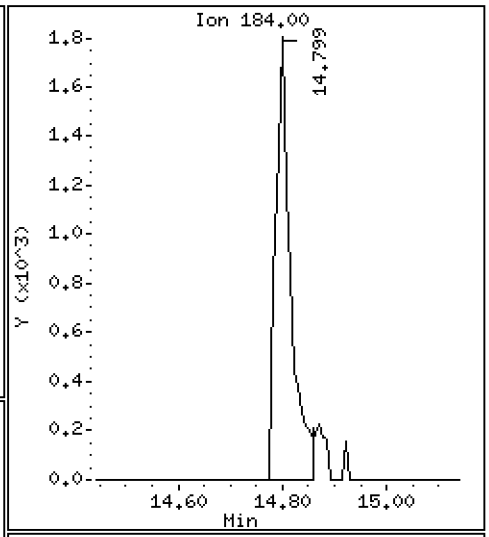
Column phase: ZB-5msi

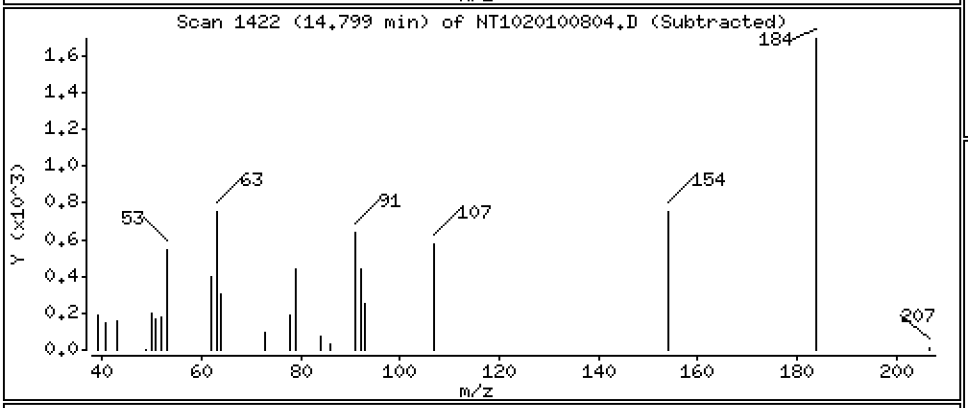
Column diameter: 0.25

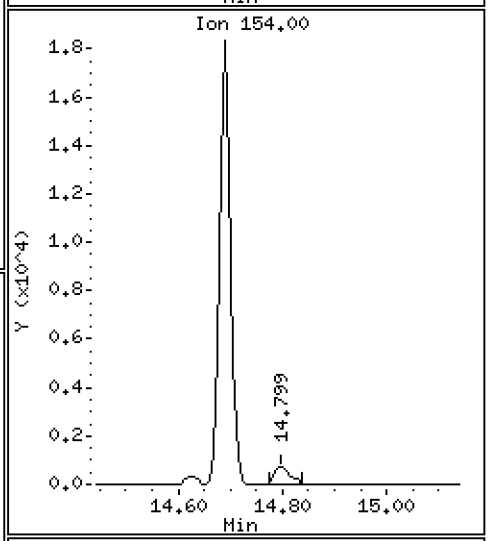
45 2,4-Dinitrophenol

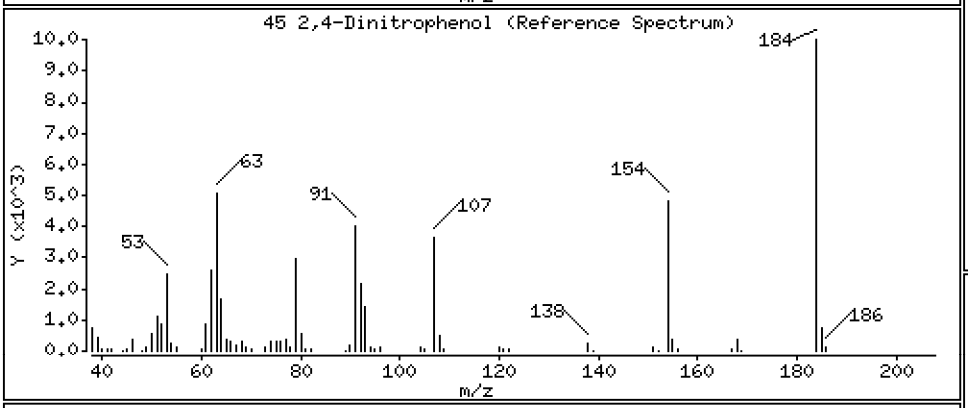
Concentration: 0.3508 ug/mL

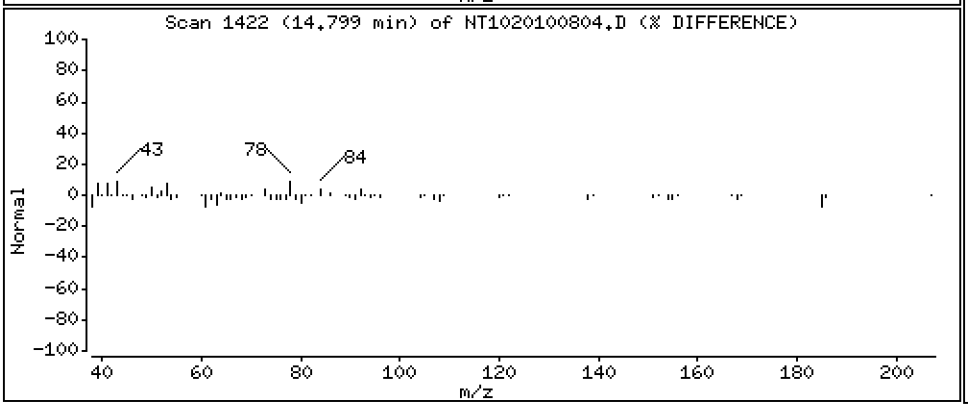


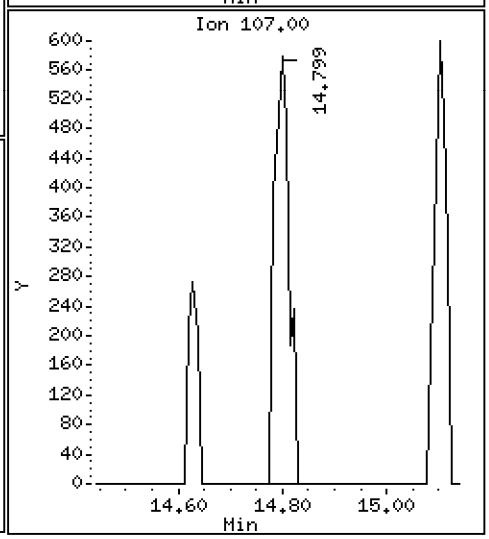












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

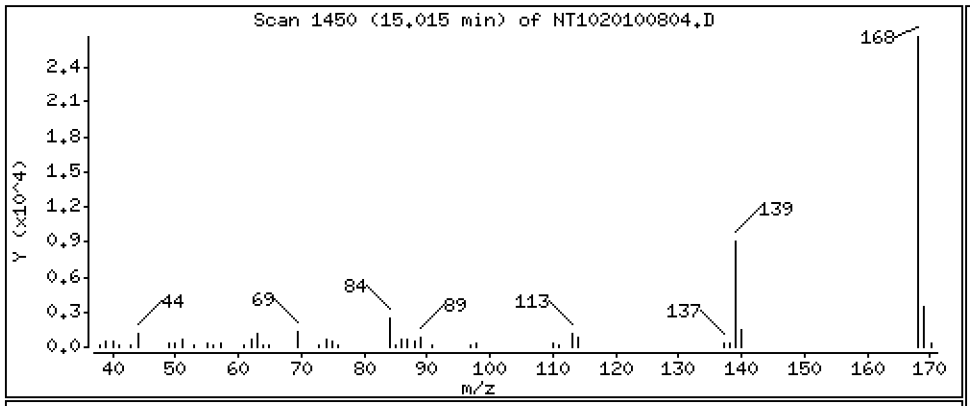
Operator: VTS

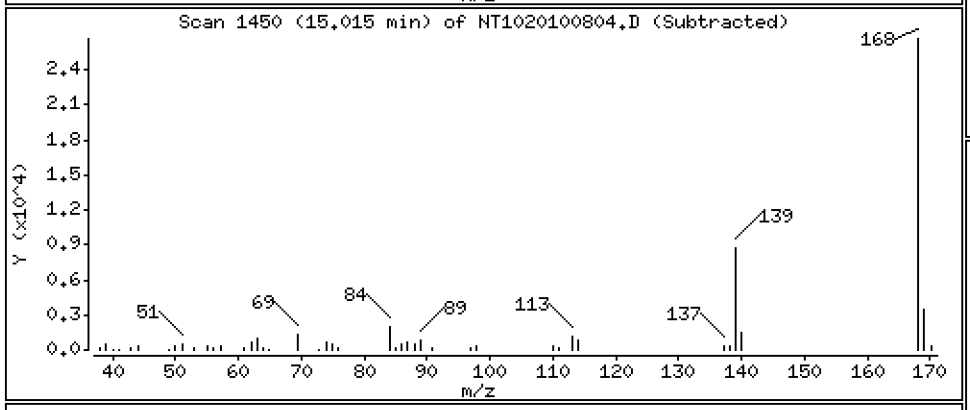
Column phase: ZB-5msi

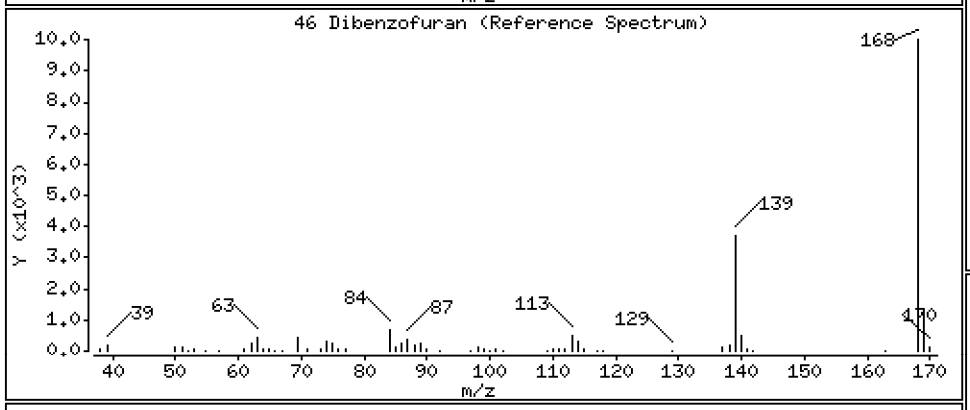
Column diameter: 0.25

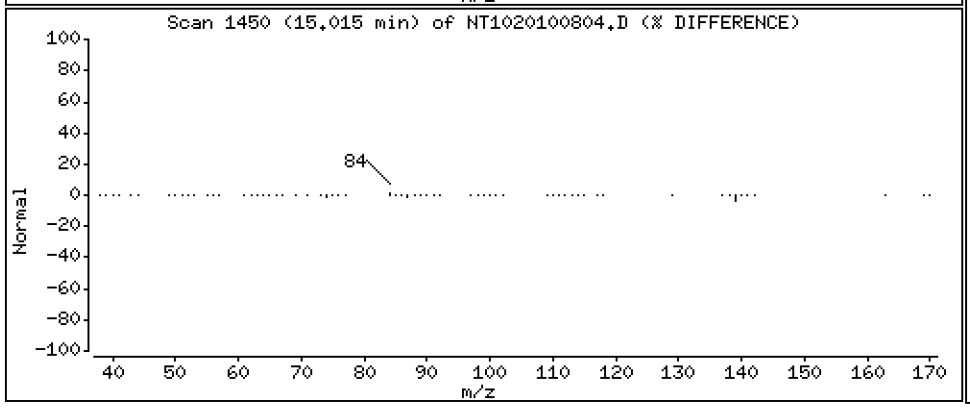
46 Dibenzofuran

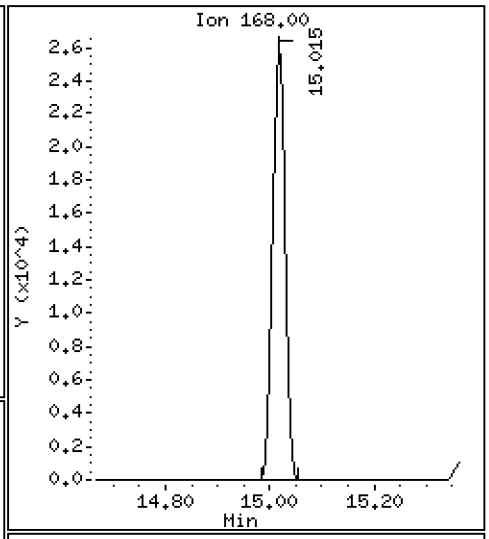
Concentration: 0.4780 ug/mL

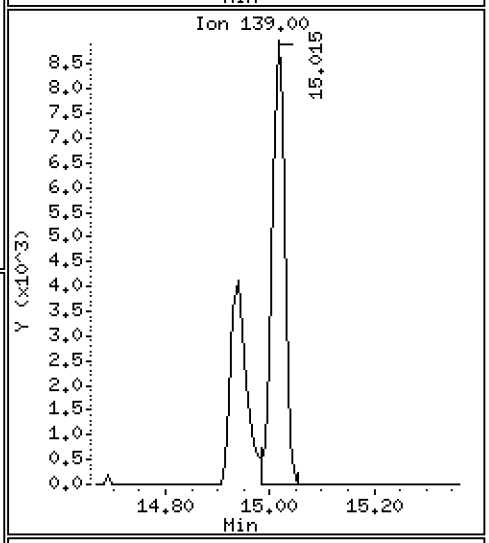


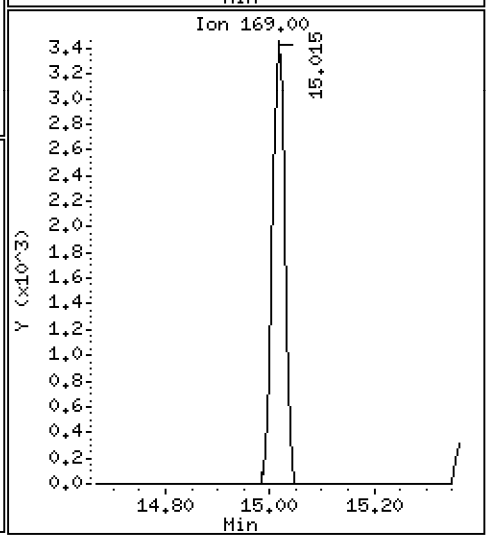












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

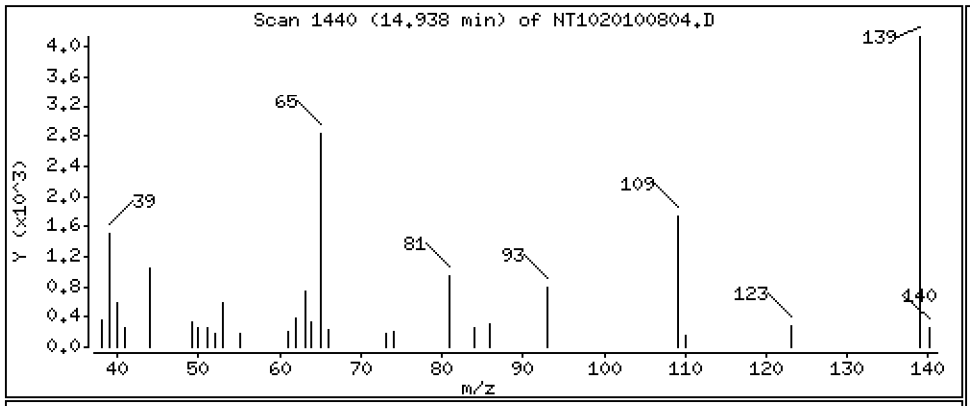
Operator: VTS

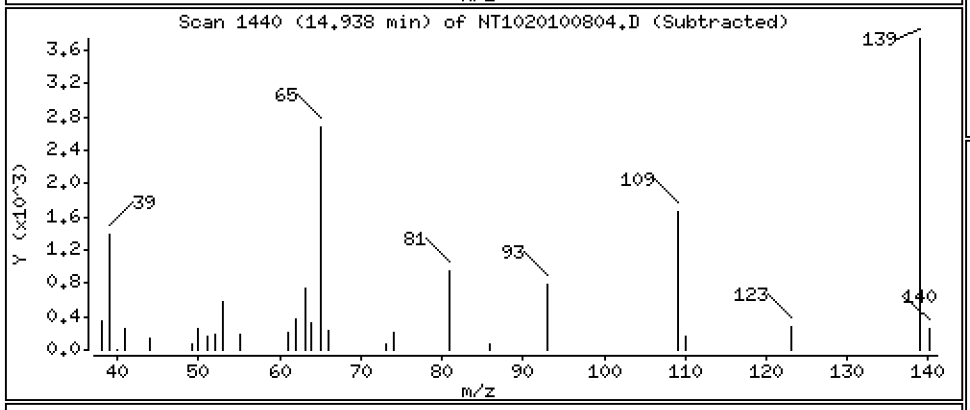
Column phase: ZB-5msi

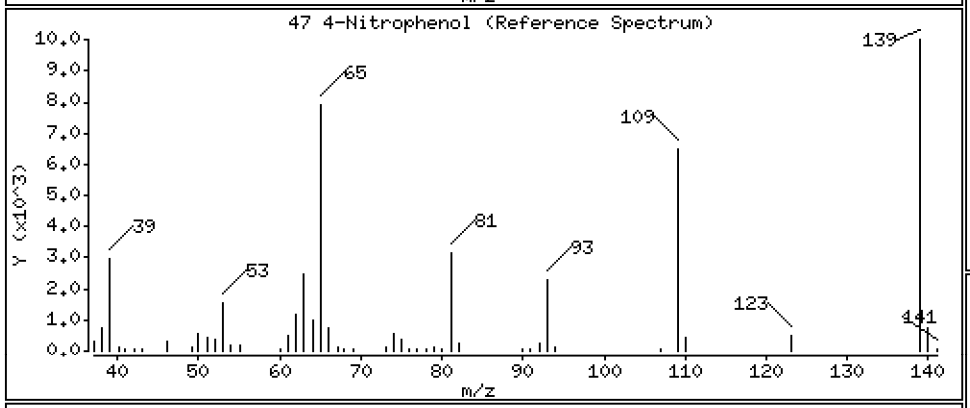
Column diameter: 0.25

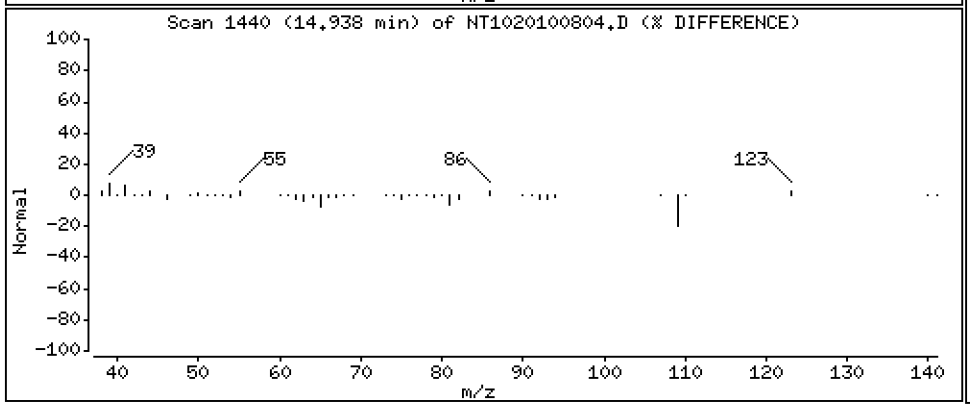
47 4-Nitrophenol

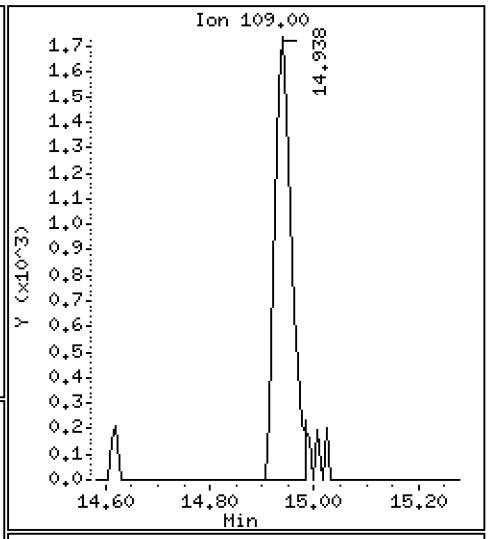
Concentration: 0.6446 ug/mL

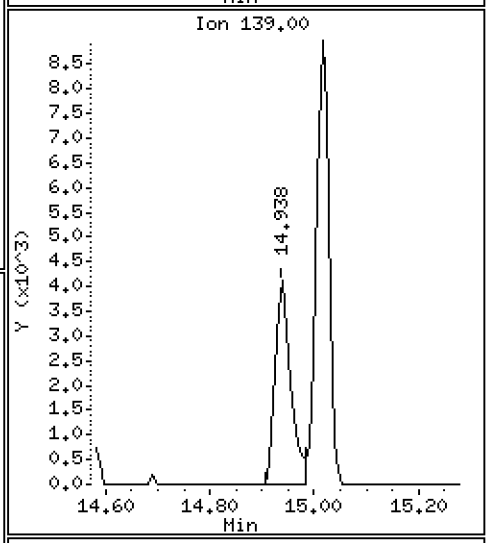


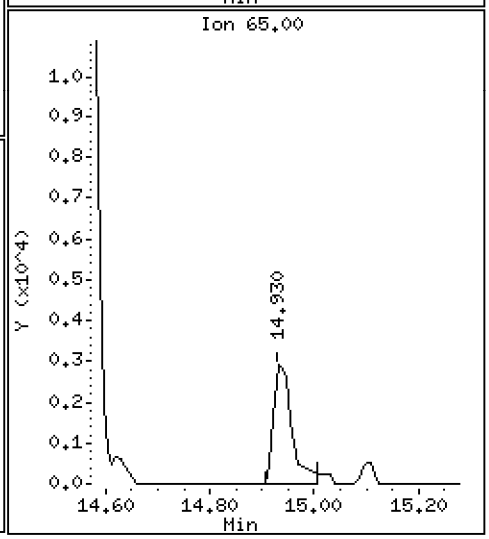












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

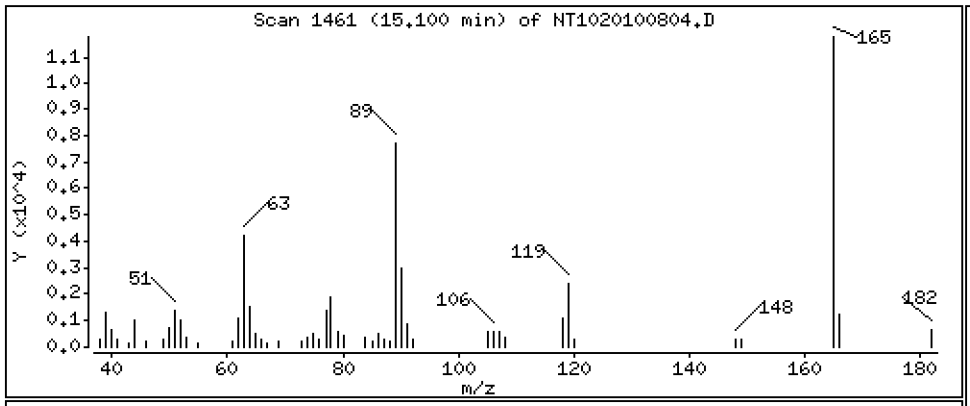
Operator: VTS

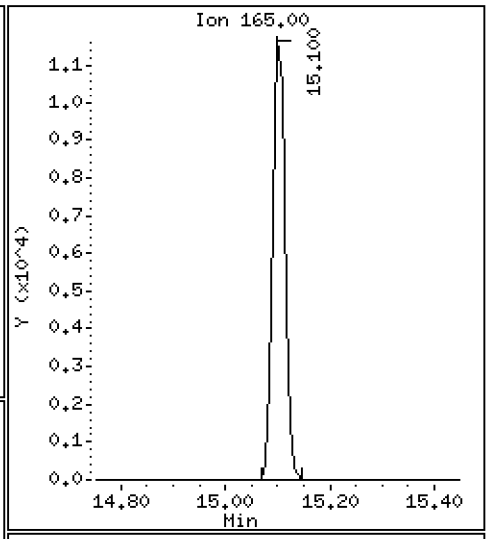
Column phase: ZB-5msi

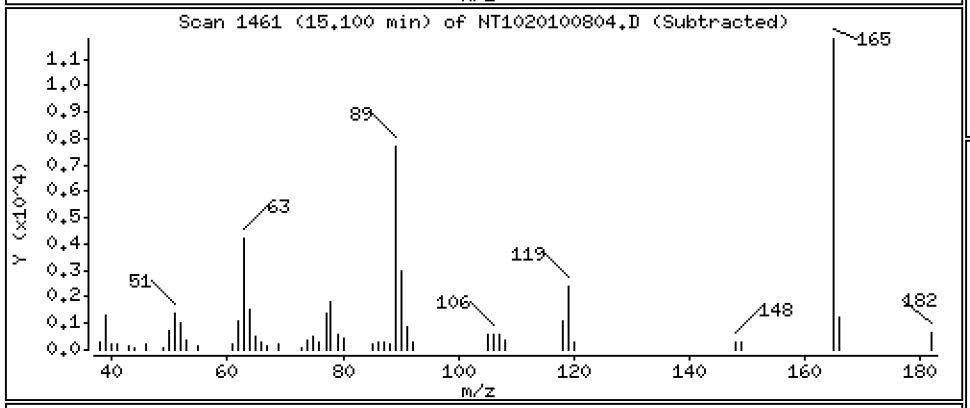
Column diameter: 0.25

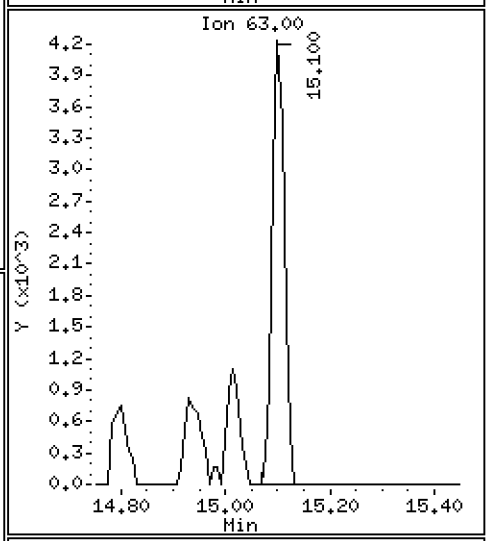
48 2,4-Dinitrotoluene

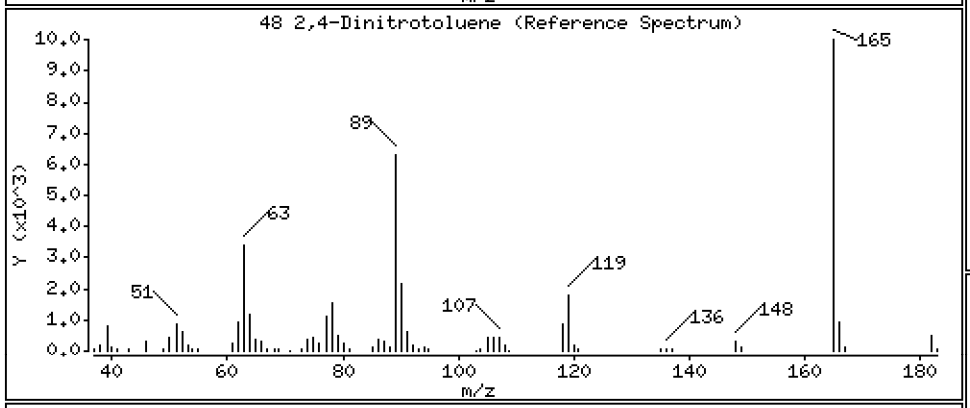
Concentration: 0.8715 ug/mL

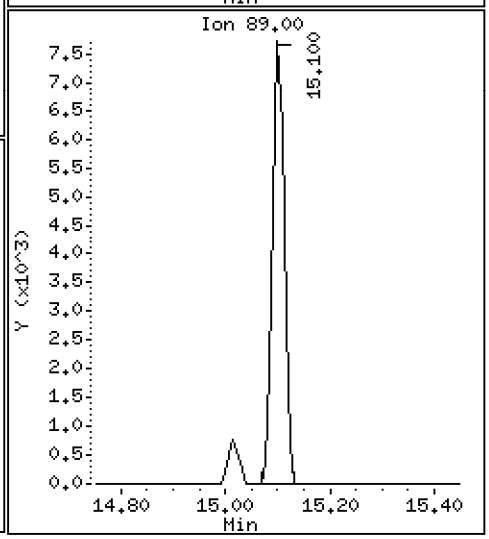


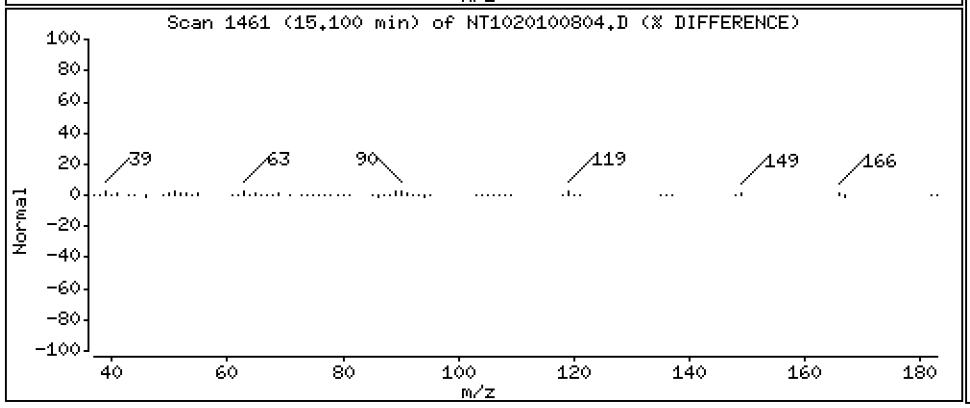












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

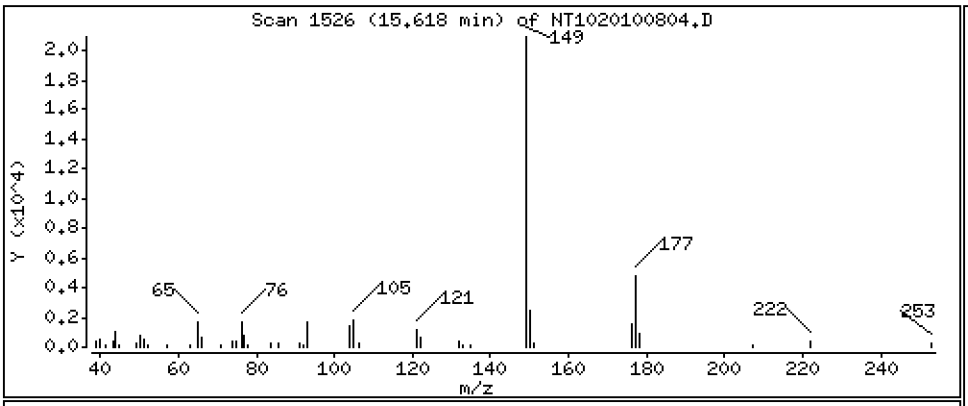
Operator: VTS

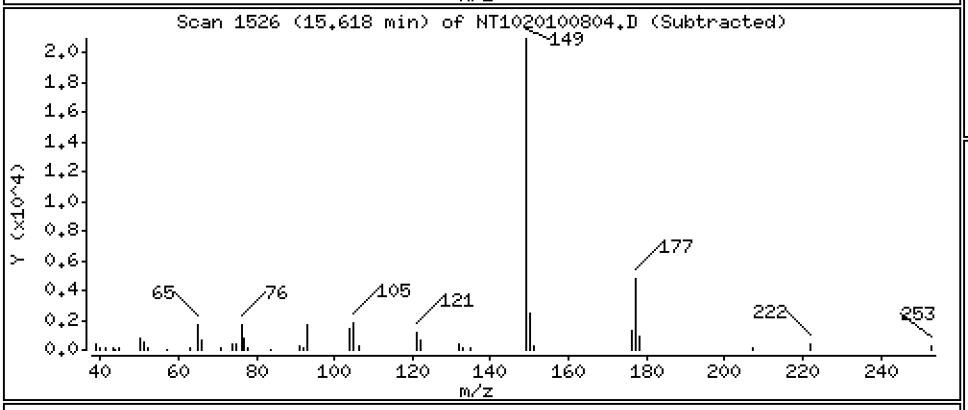
Column phase: ZB-5msi

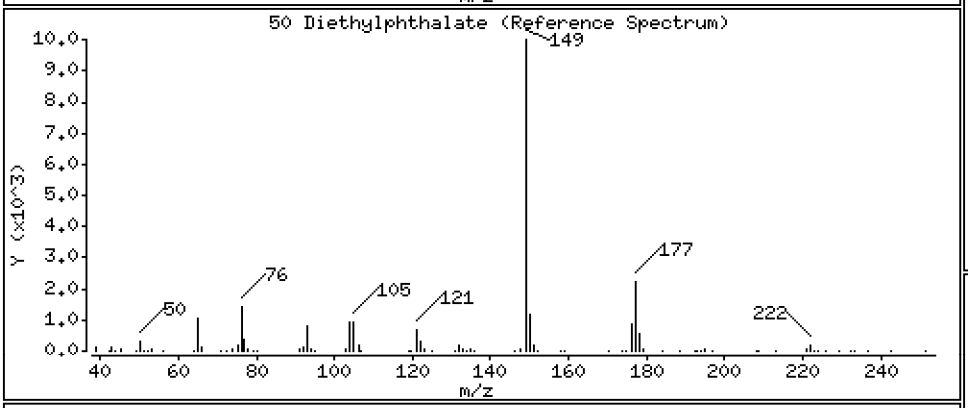
Column diameter: 0.25

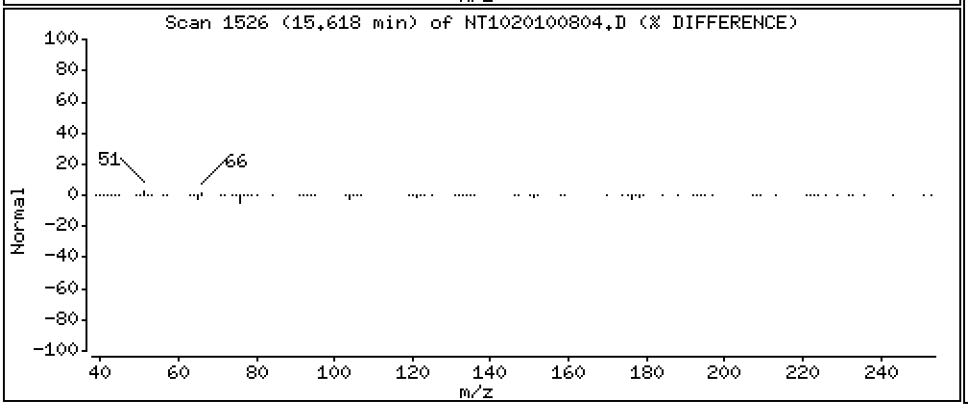
50 Diethylphthalate

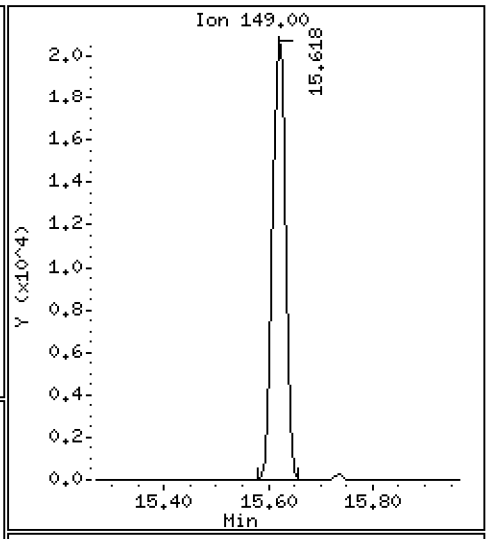
Concentration: 0.5479 ug/mL

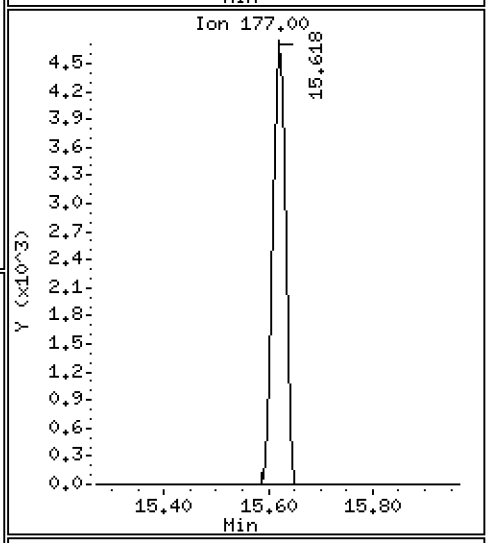


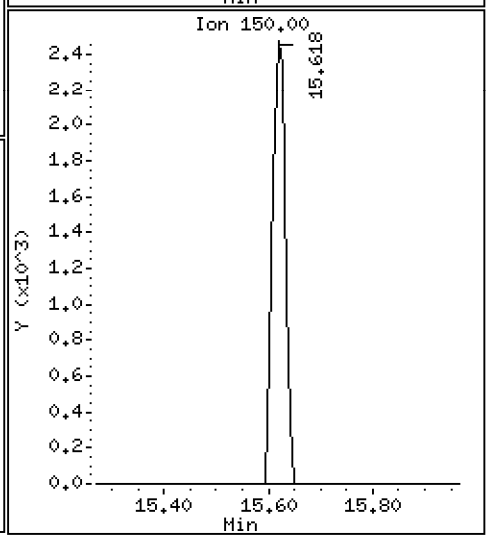












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

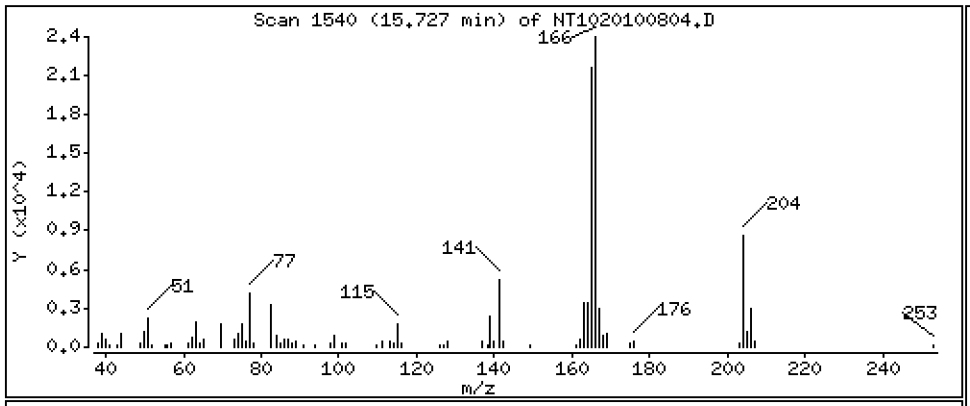
Operator: VTS

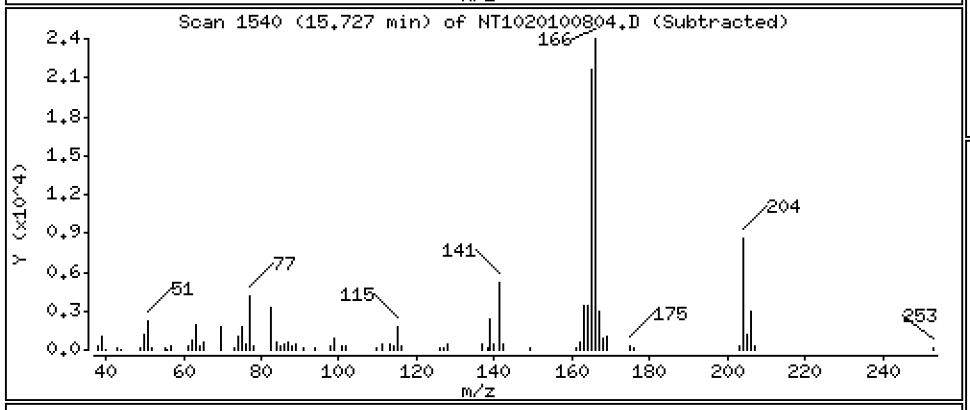
Column phase: ZB-5msi

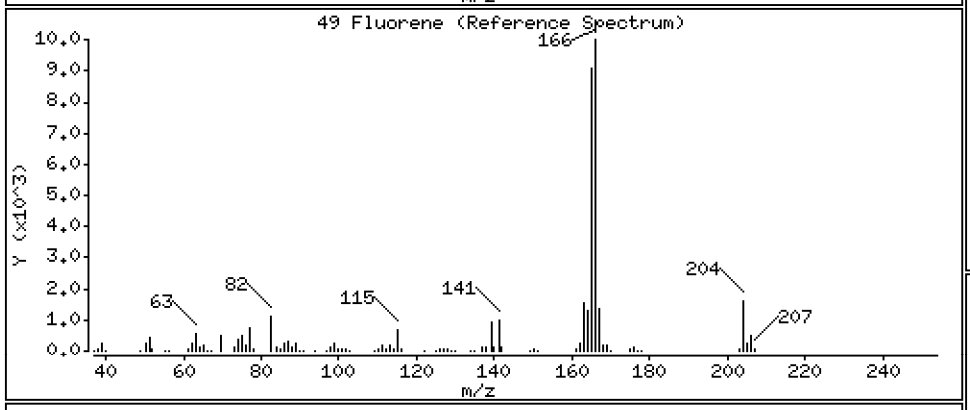
Column diameter: 0.25

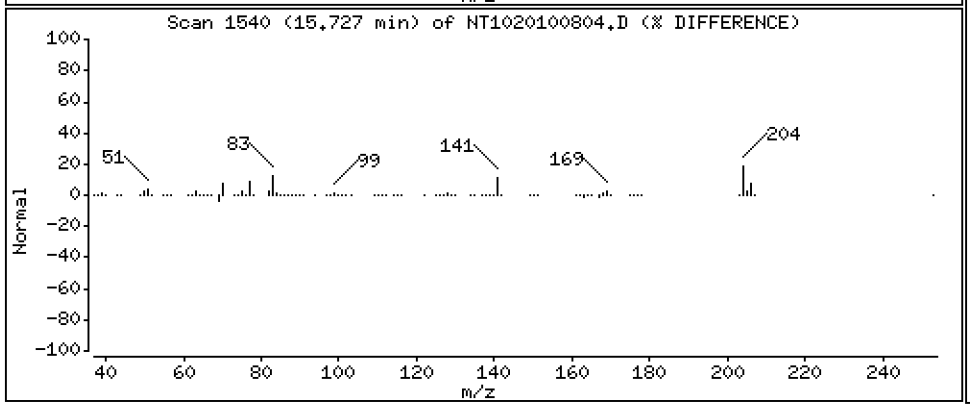
49 Fluorene

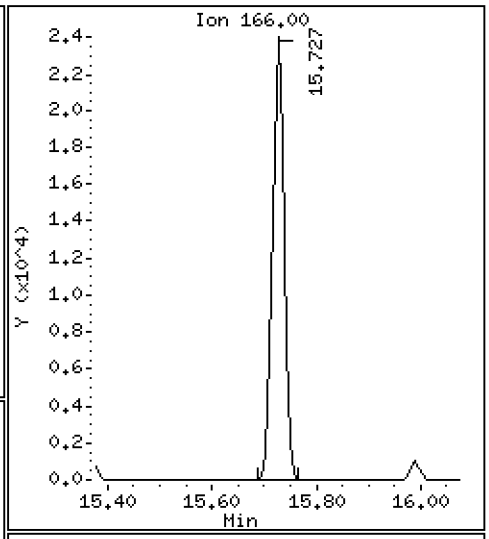
Concentration: 0.5144 ug/mL

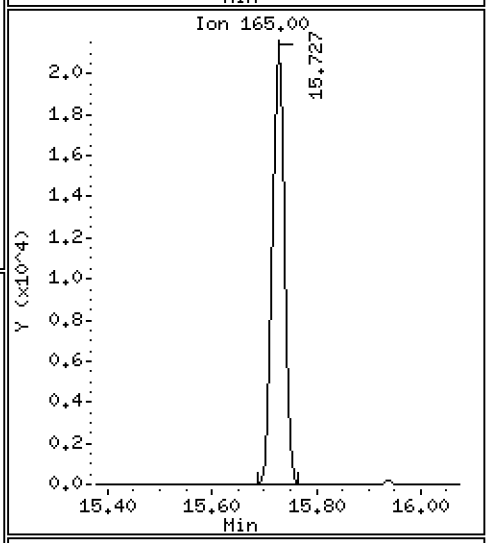


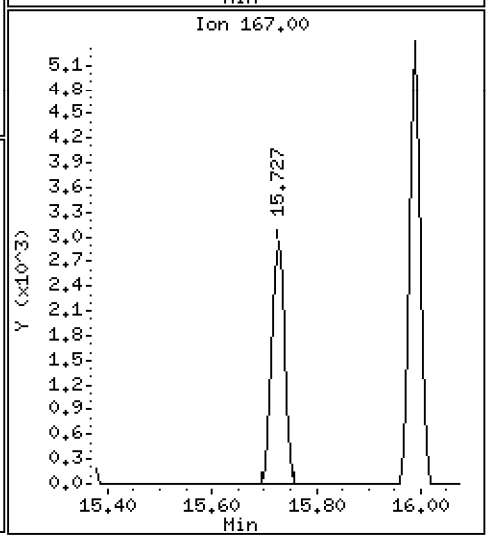












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

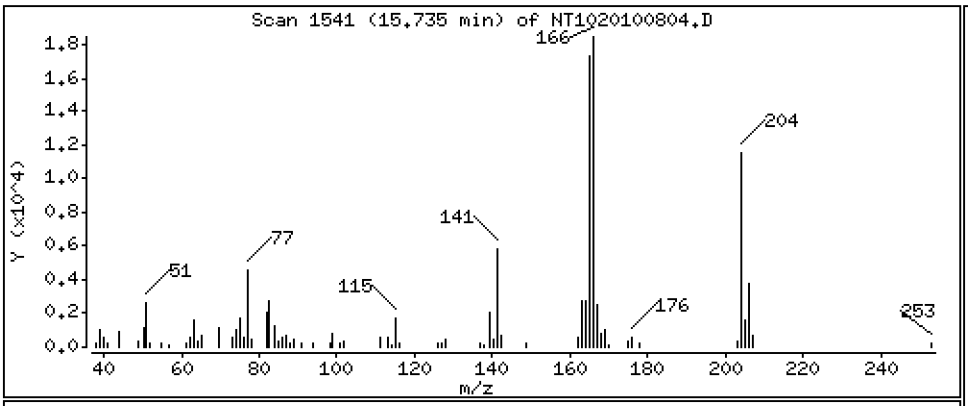
Operator: VTS

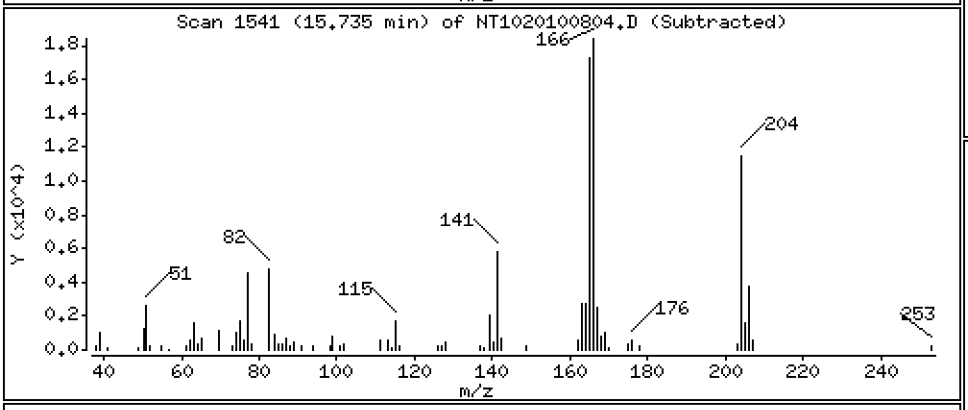
Column phase: ZB-5msi

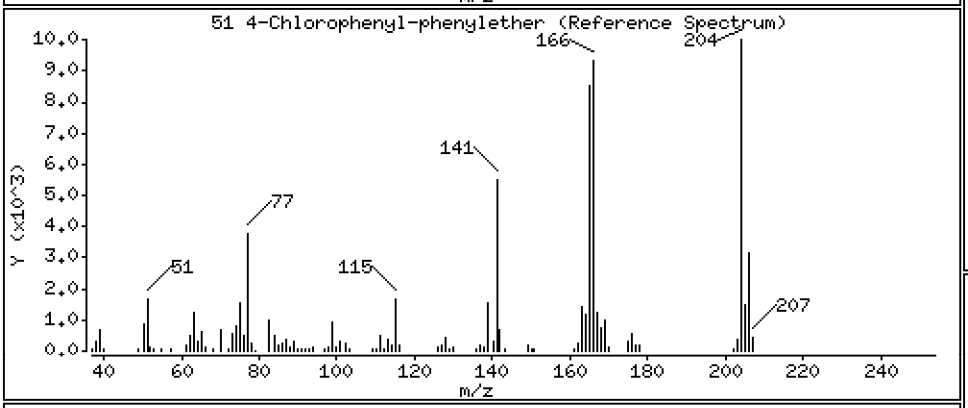
Column diameter: 0.25

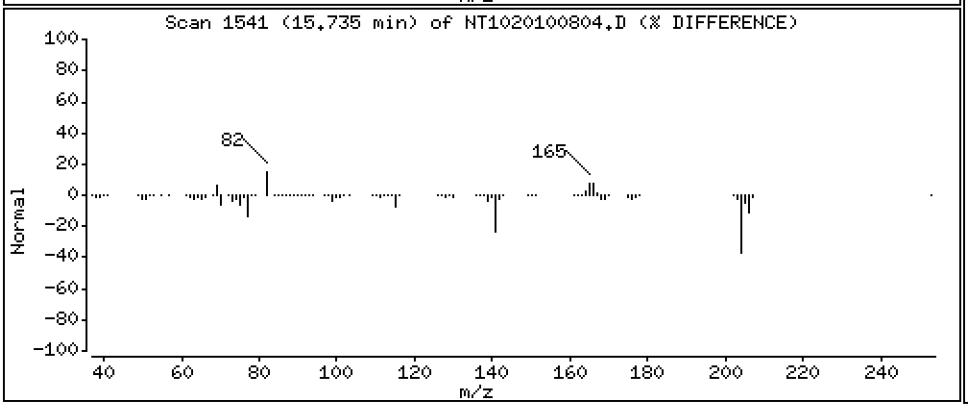
51 4-Chlorophenyl-phenylether

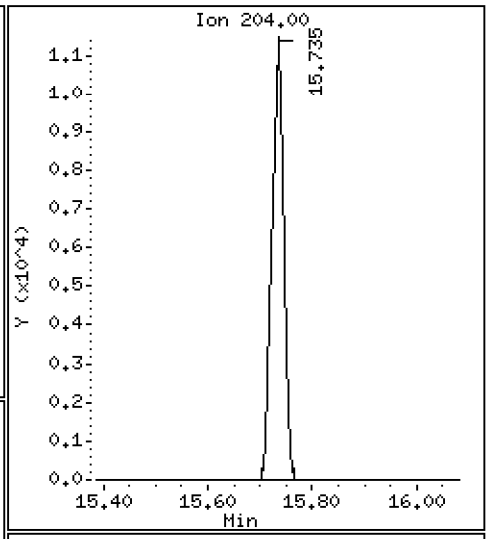
Concentration: 0.5079 ug/mL

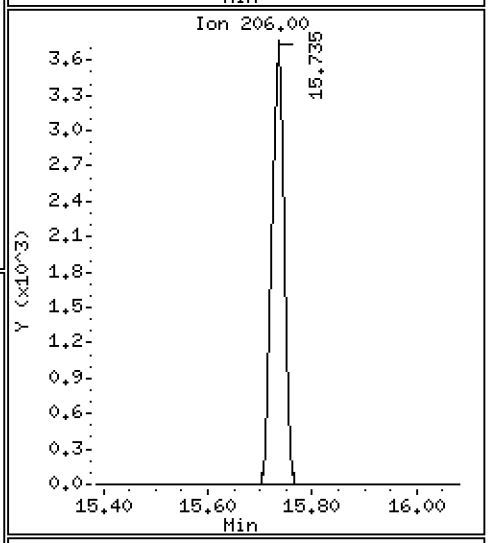


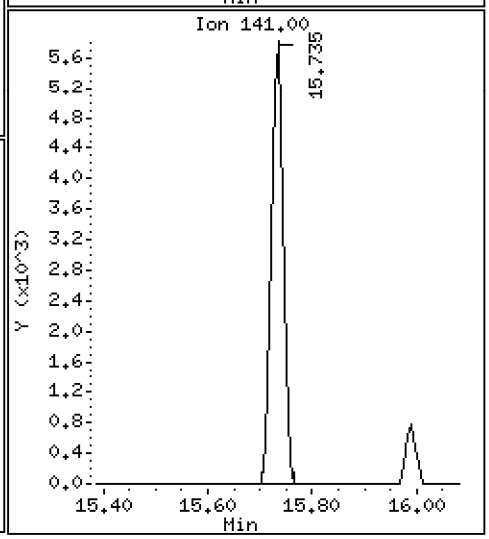












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

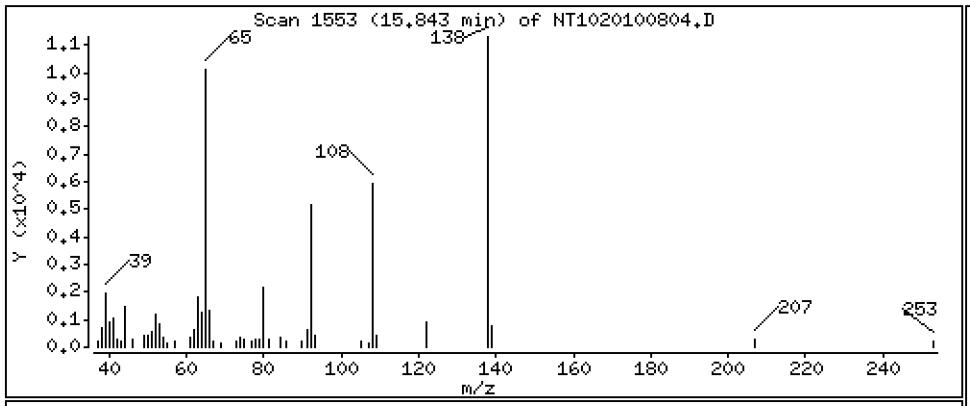
Operator: VTS

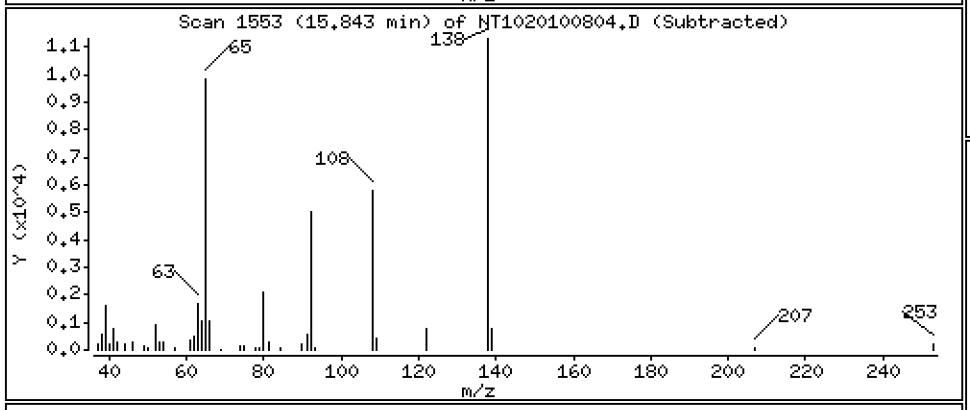
Column phase: ZB-5msi

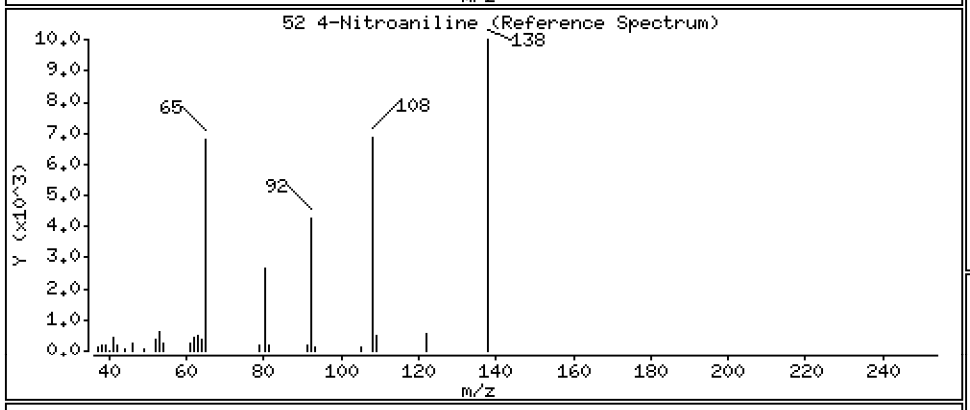
Column diameter: 0.25

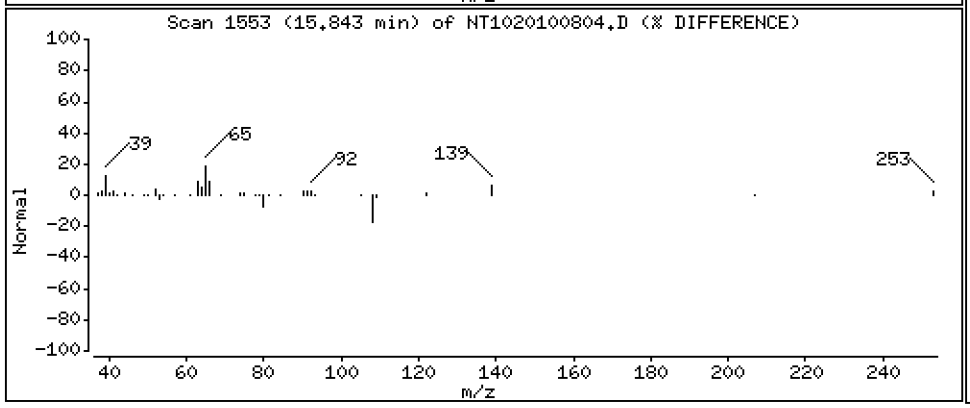
52 4-Nitroaniline

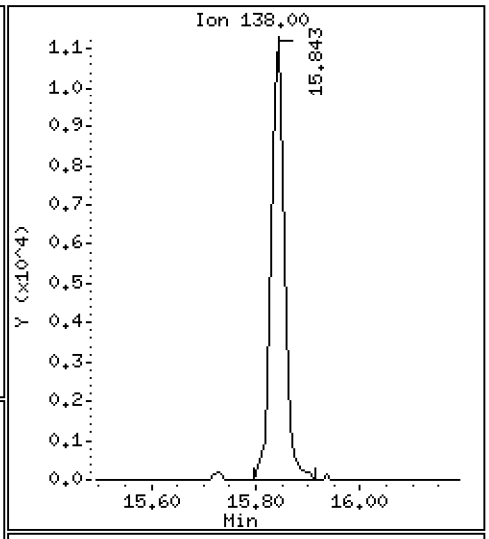
Concentration: 1.223 ug/mL

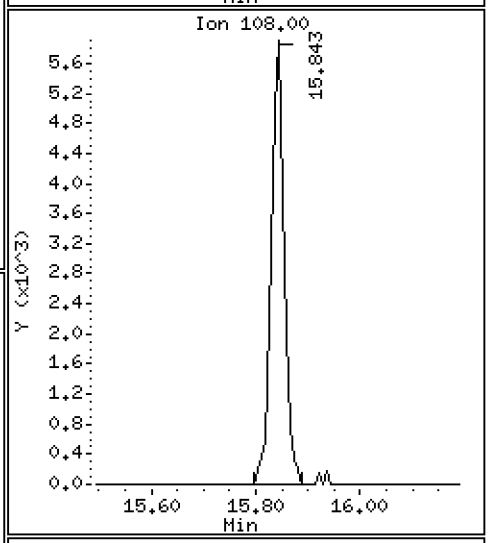


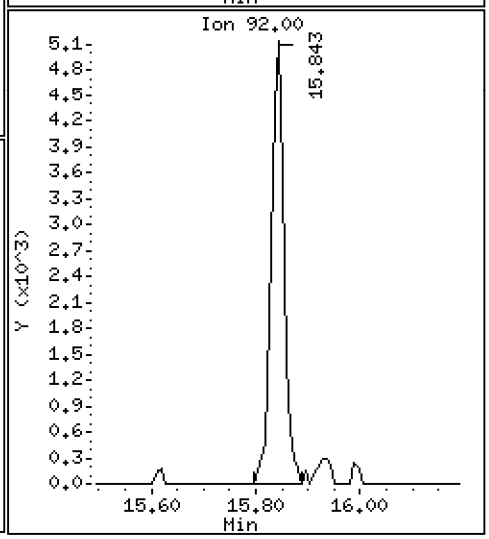












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

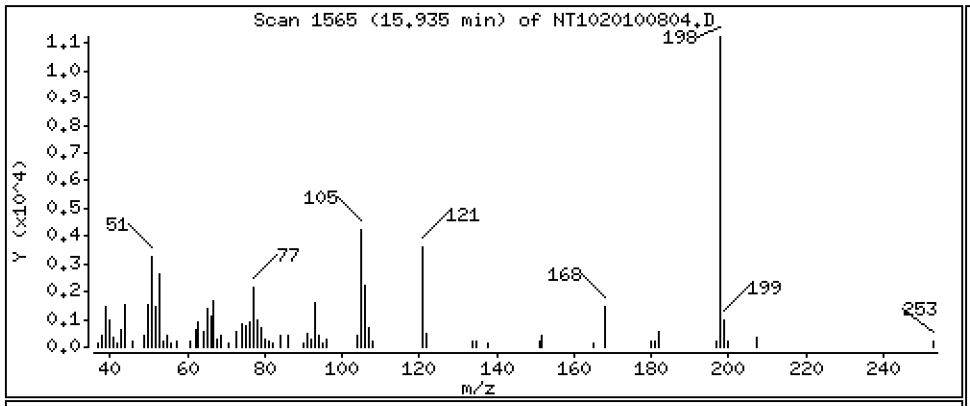
Operator: VTS

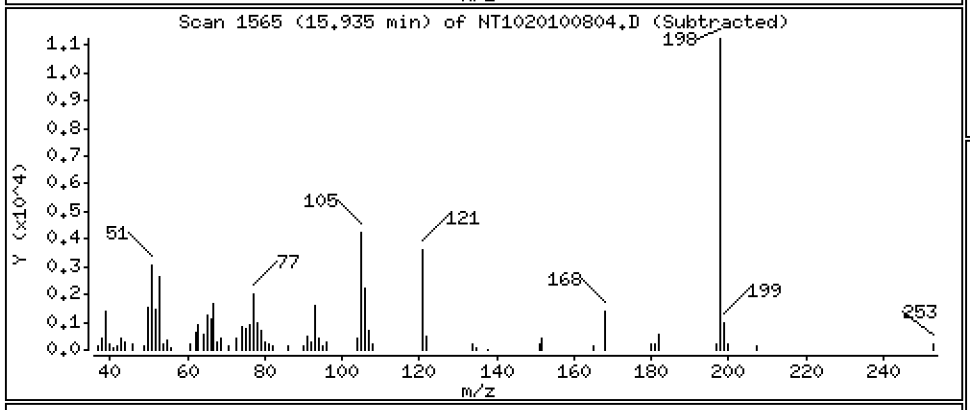
Column phase: ZB-5msi

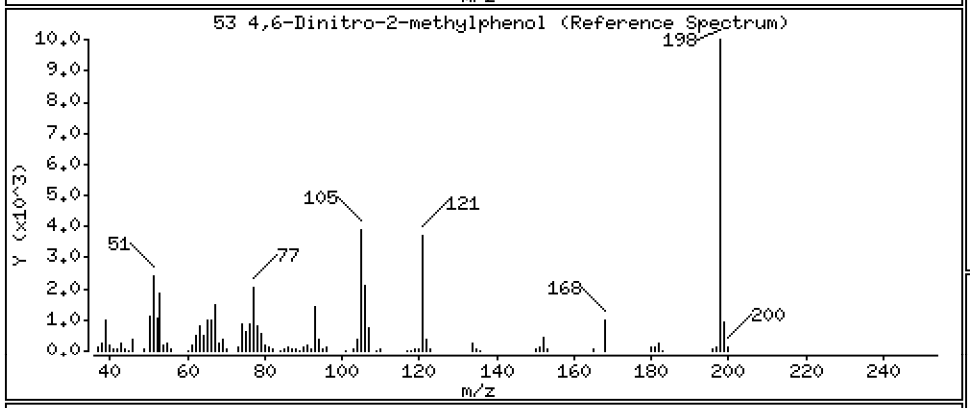
Column diameter: 0.25

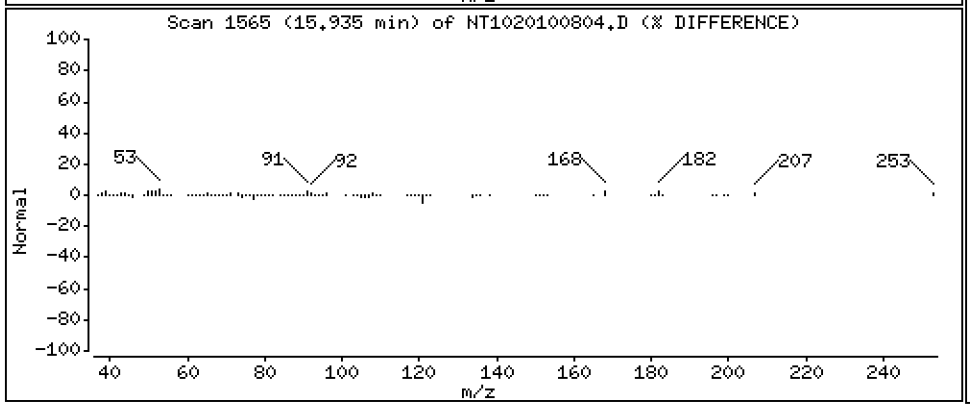
53 4,6-Dinitro-2-methylphenol

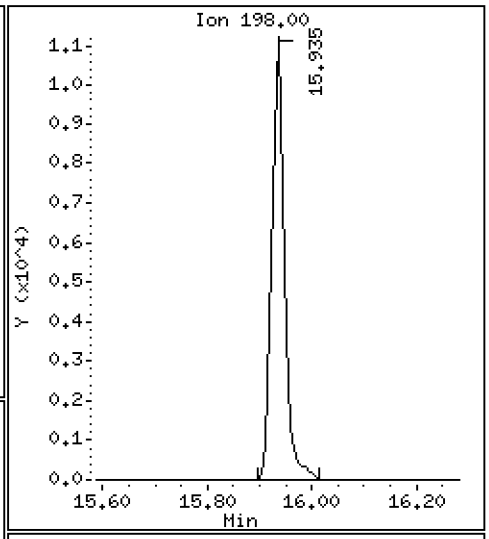
Concentration: 1.182 ug/mL

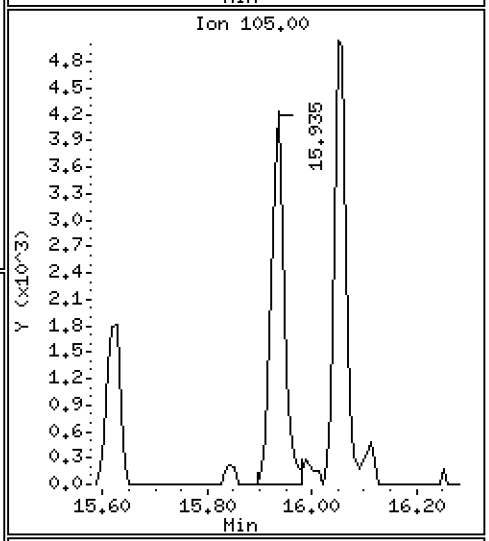


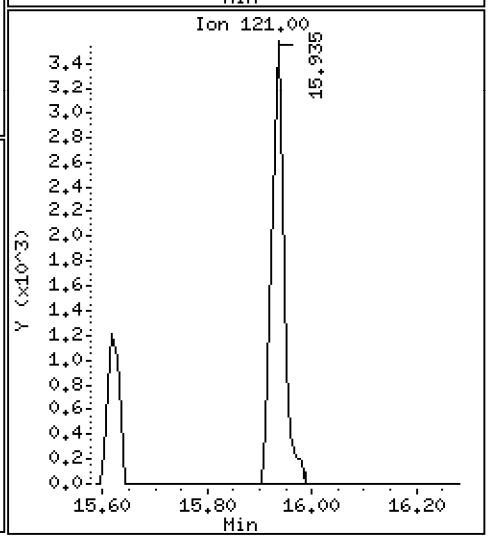












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

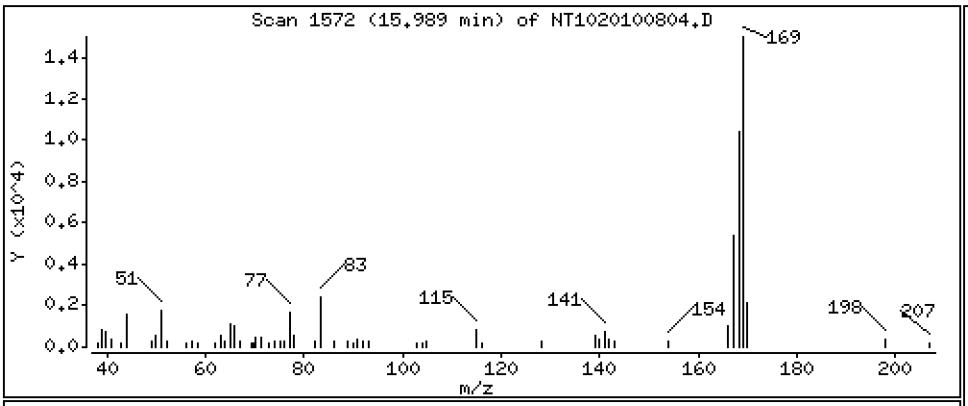
Operator: VTS

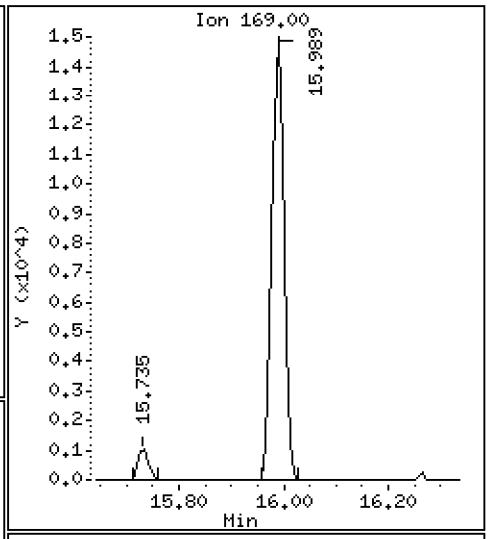
Column phase: ZB-5msi

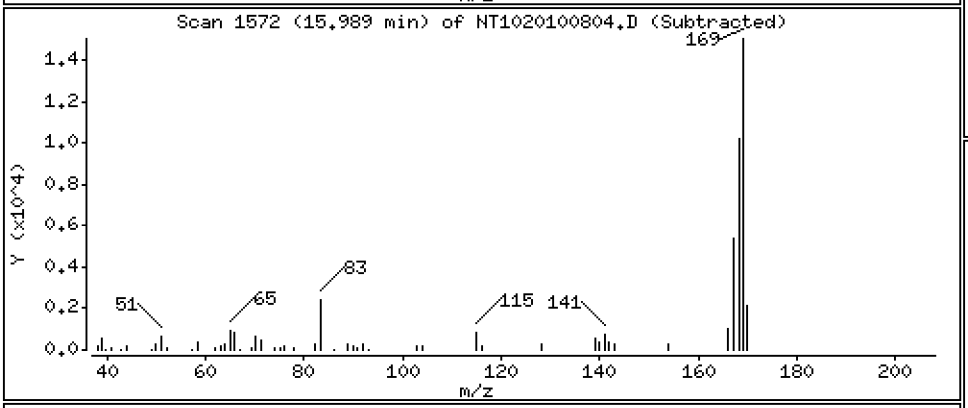
Column diameter: 0.25

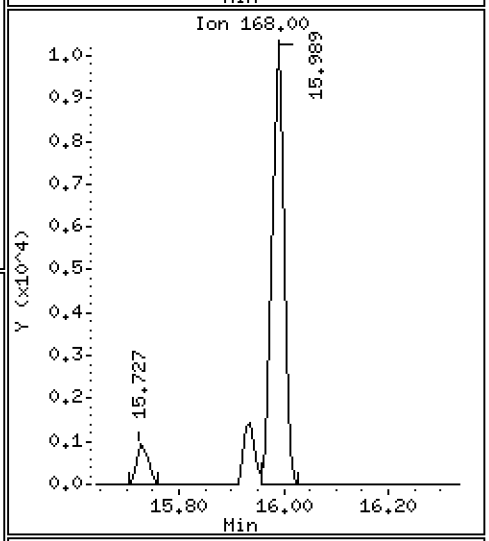
54 N-Nitrosodiphenylamine

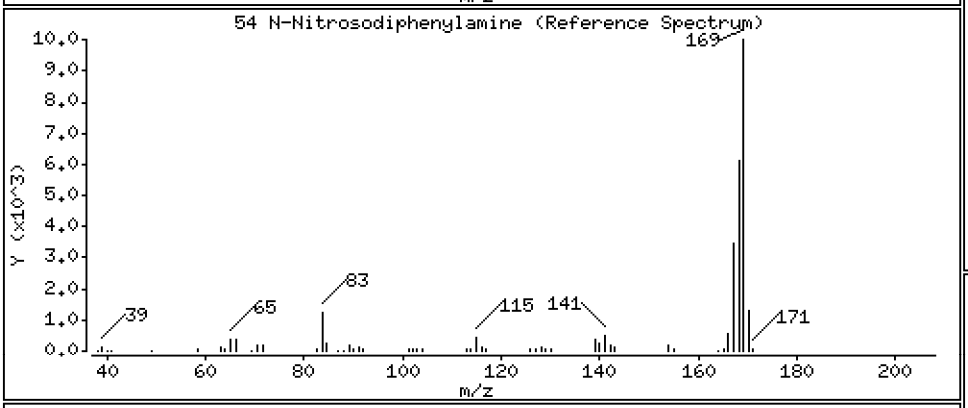
Concentration: 0.5373 ug/mL

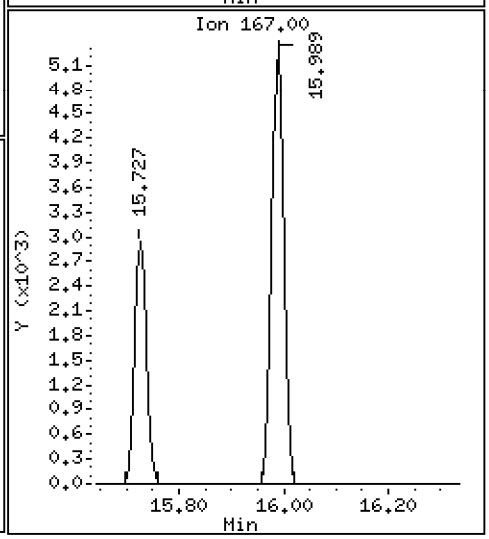


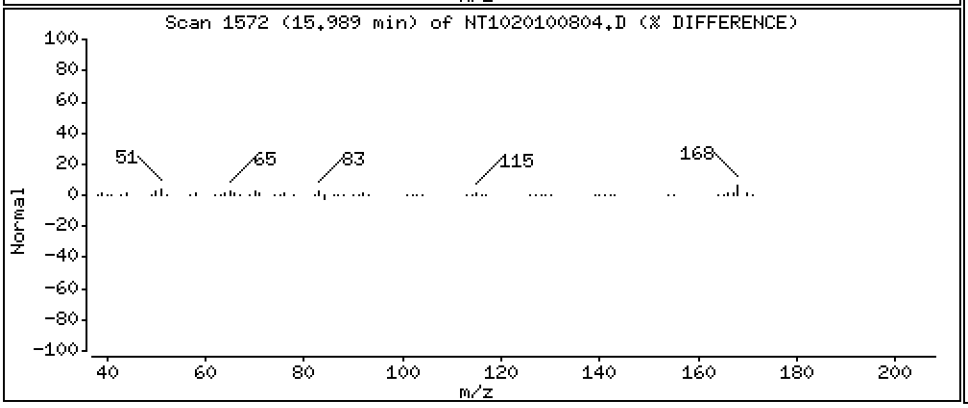












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

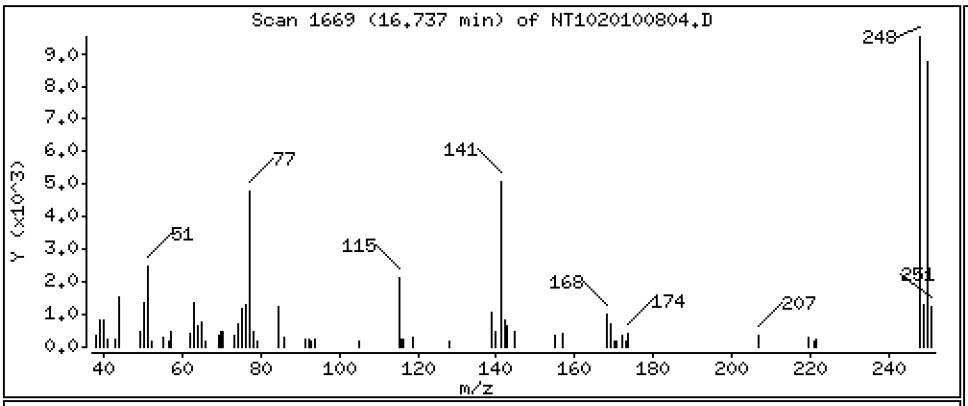
Operator: VTS

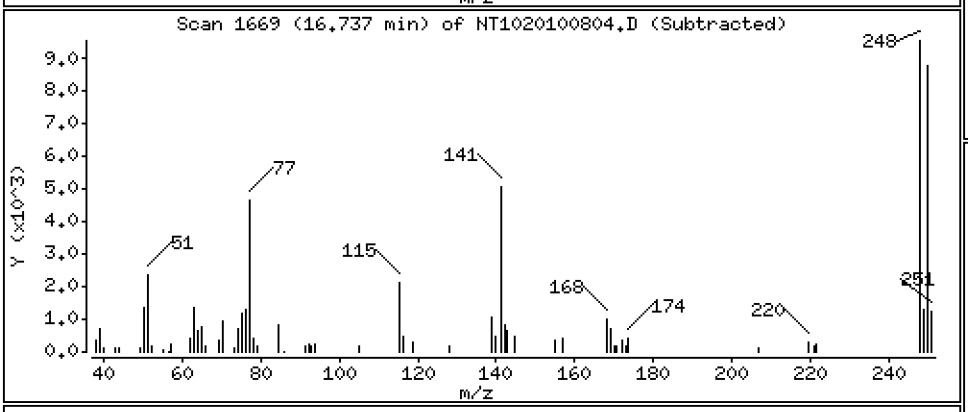
Column phase: ZB-5msi

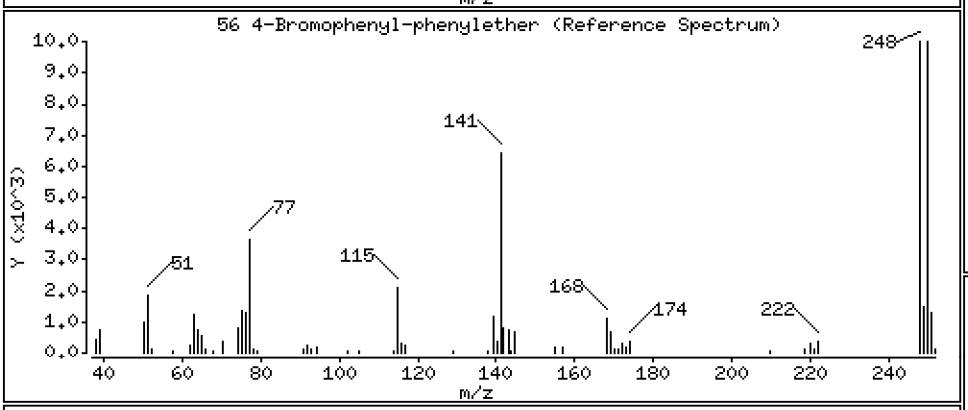
Column diameter: 0.25

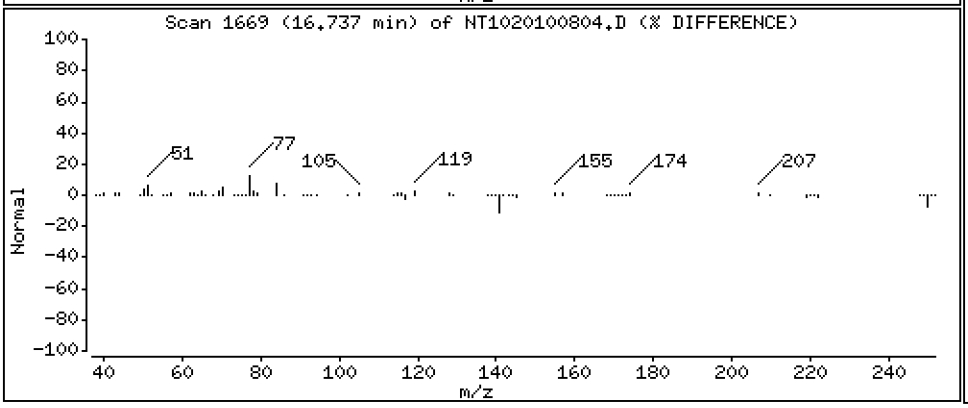
56 4-Bromophenyl-phenylether

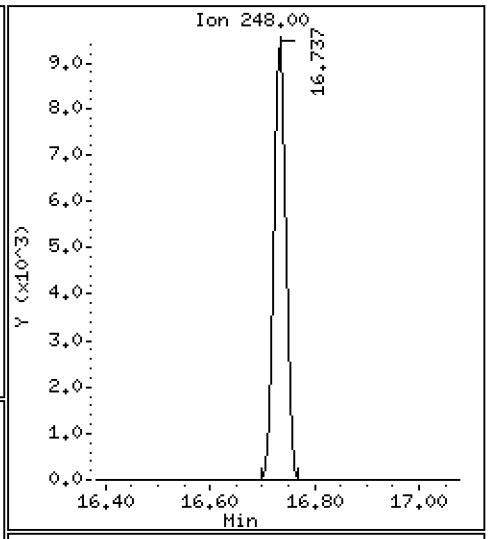
Concentration: 0.4978 ug/mL

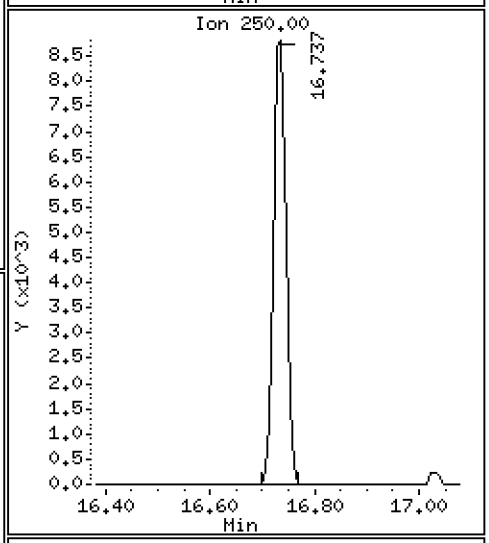


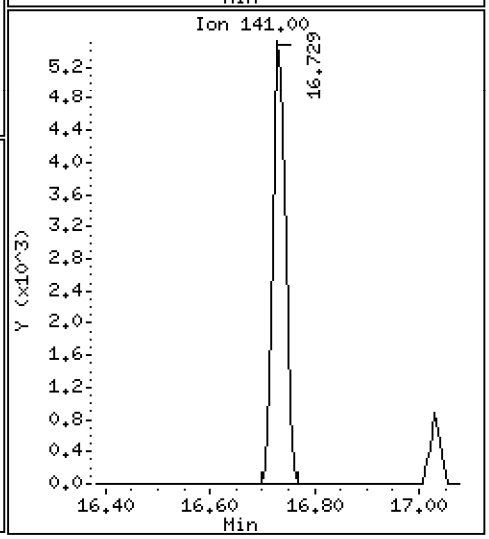












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

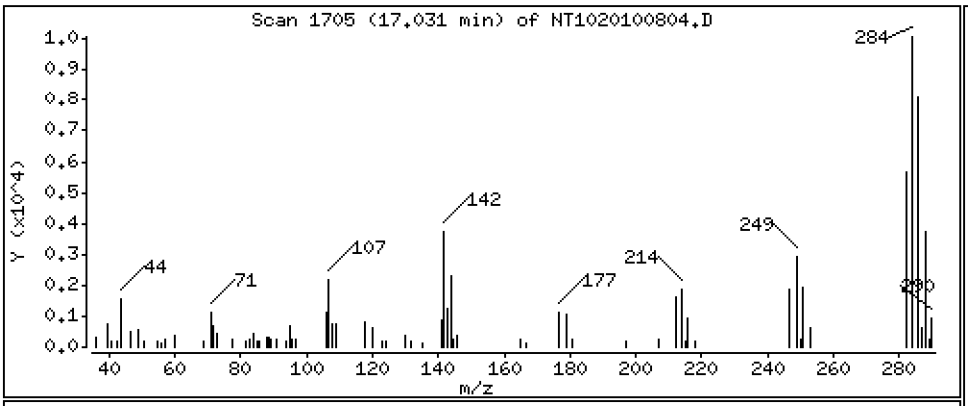
Operator: VTS

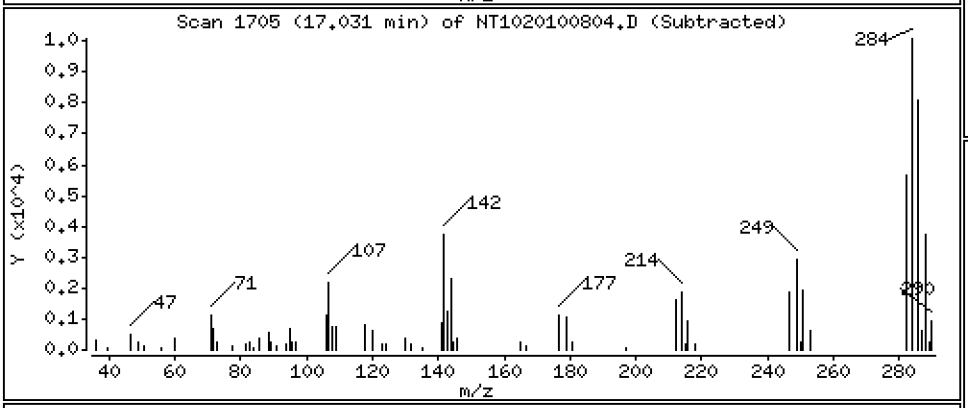
Column phase: ZB-5msi

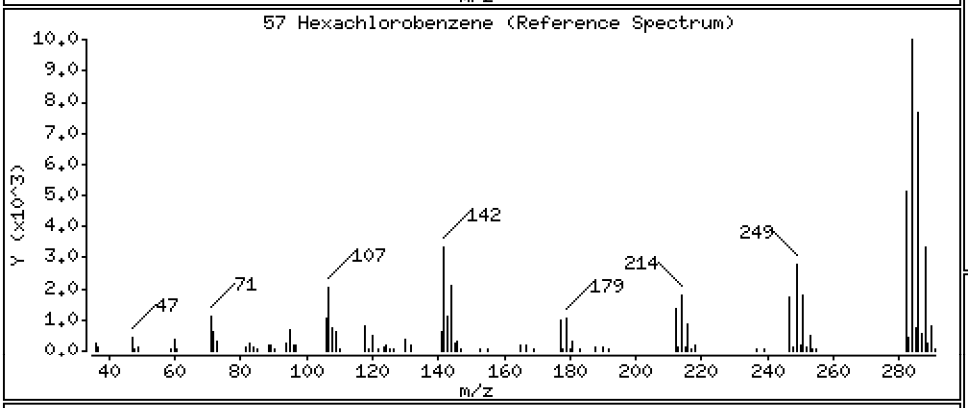
Column diameter: 0.25

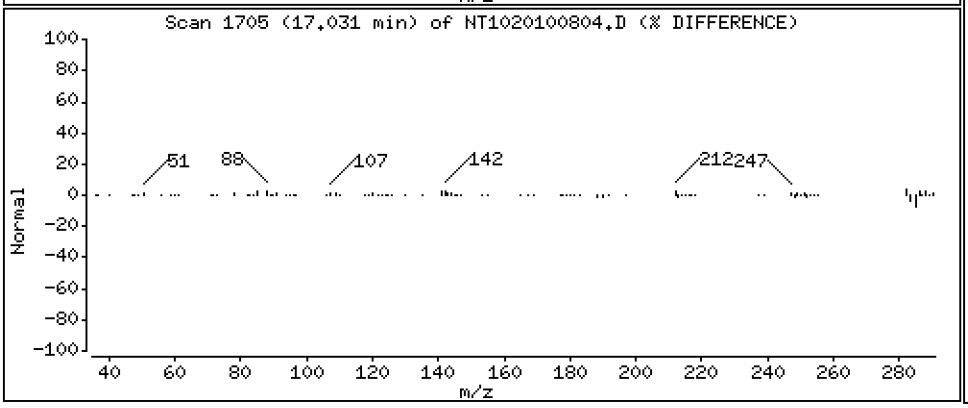
57 Hexachlorobenzene

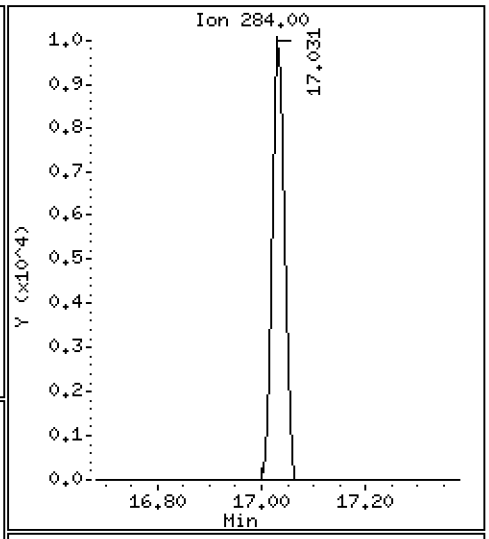
Concentration: 0.5593 ug/mL

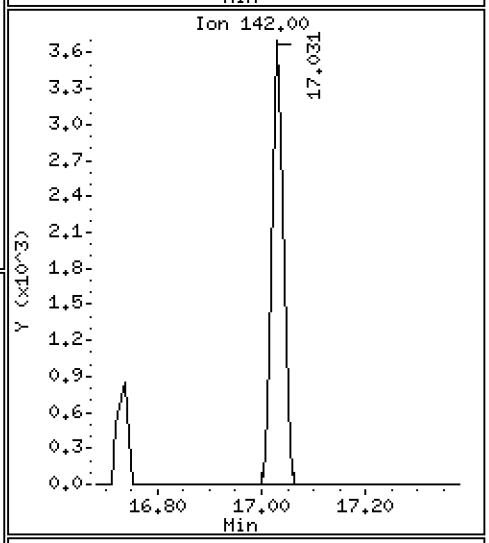


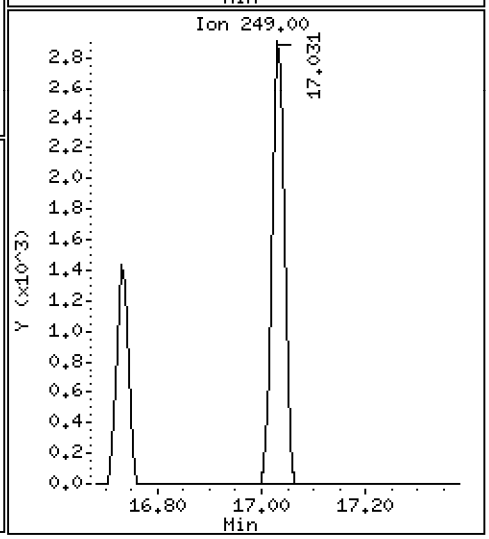












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

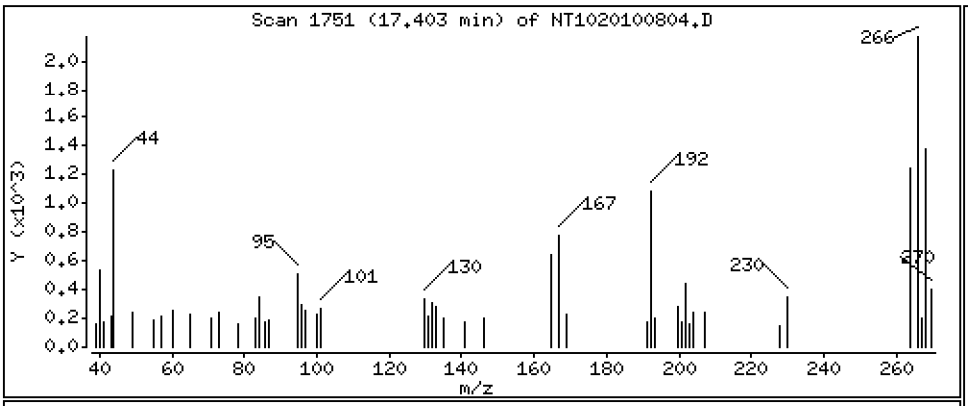
Operator: VTS

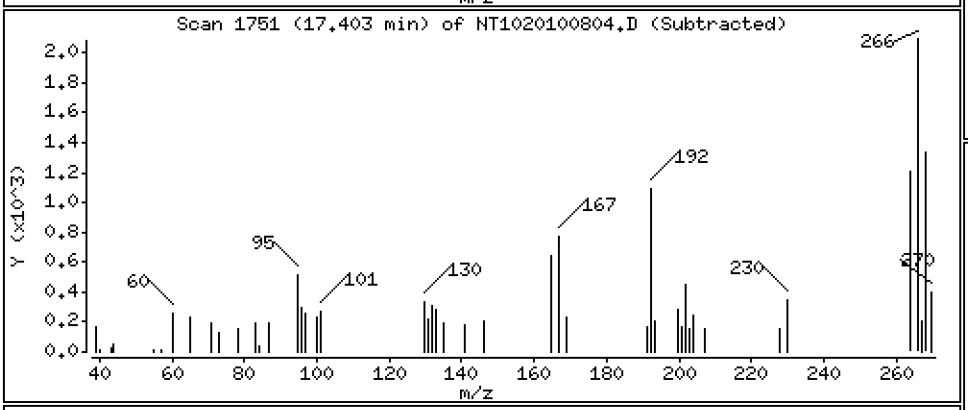
Column phase: ZB-5msi

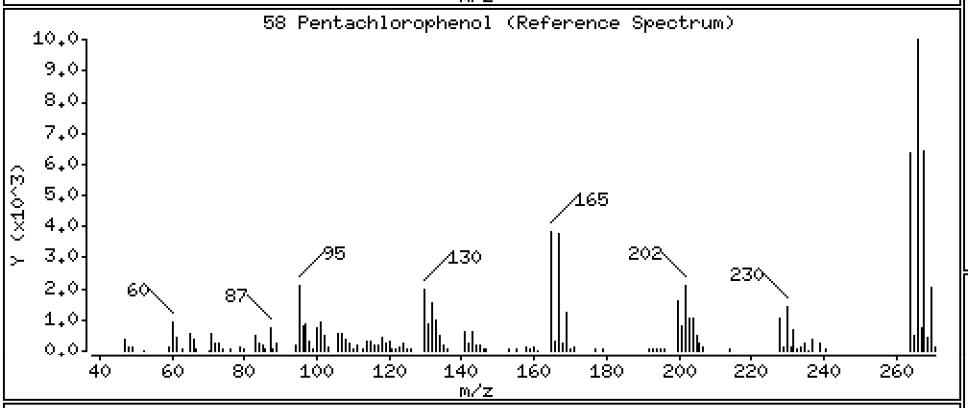
Column diameter: 0.25

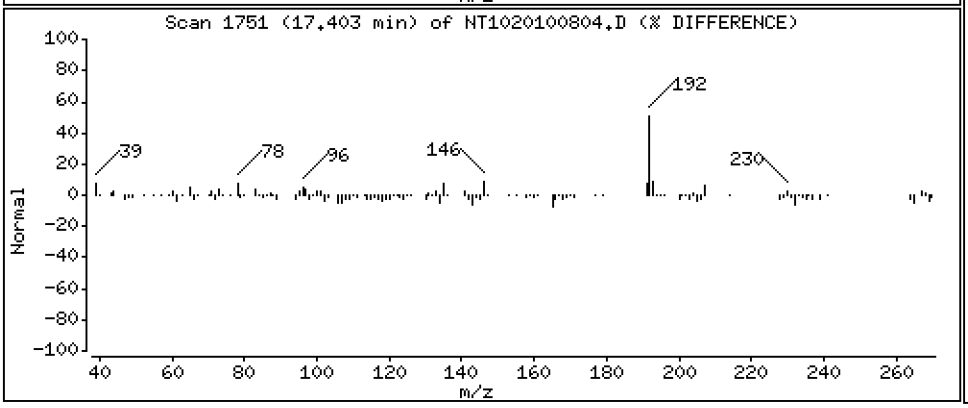
58 Pentachlorophenol

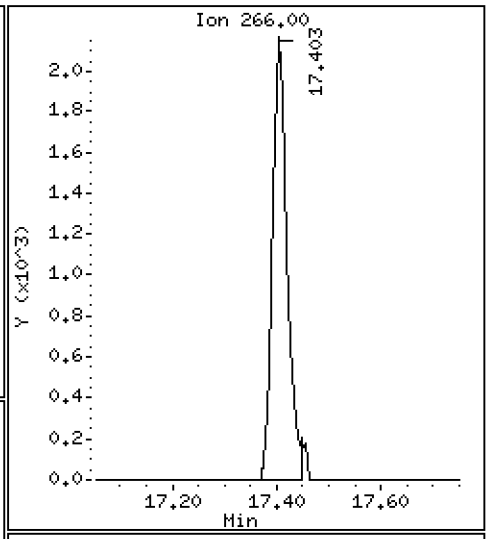
Concentration: 0.3452 ug/mL

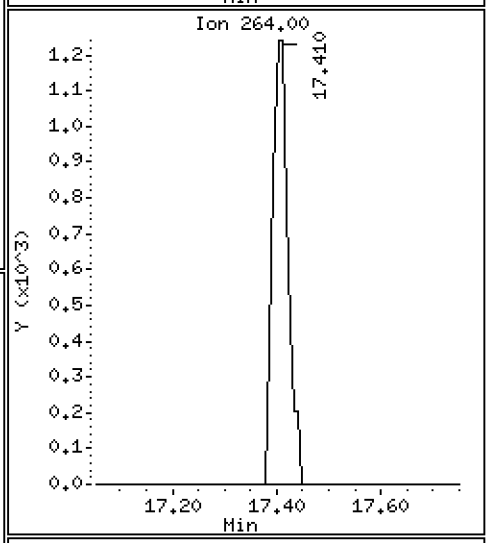


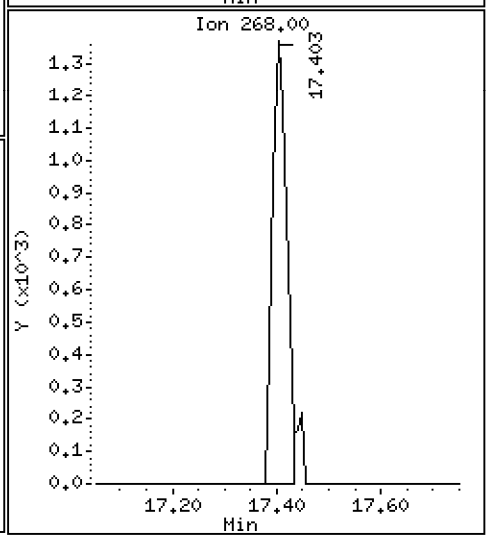












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

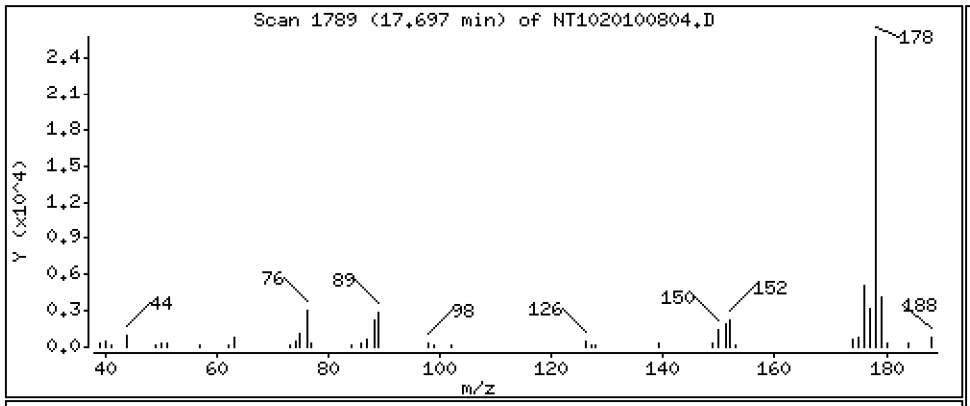
Operator: VTS

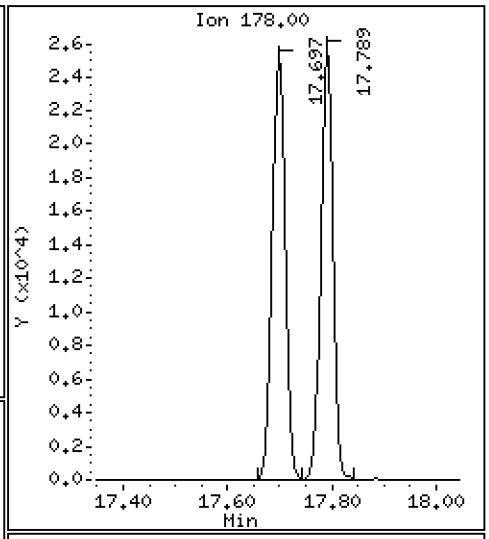
Column phase: ZB-5msi

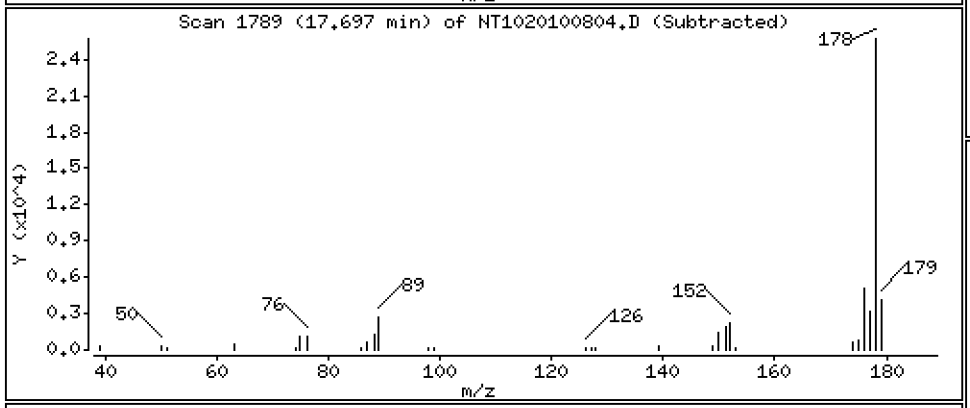
Column diameter: 0.25

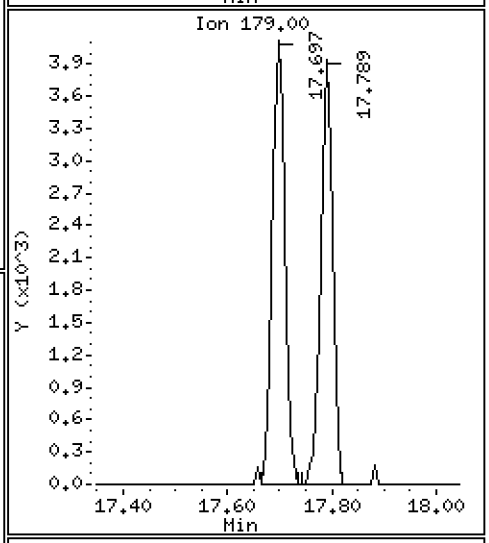
60 Phenanthrene

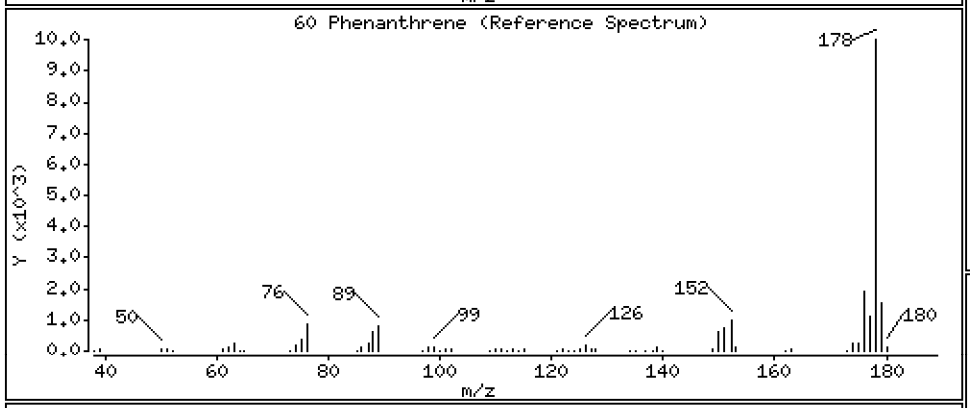
Concentration: 0.4838 ug/mL

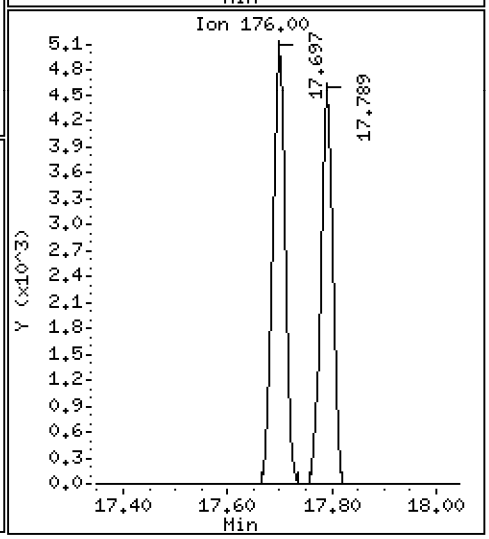


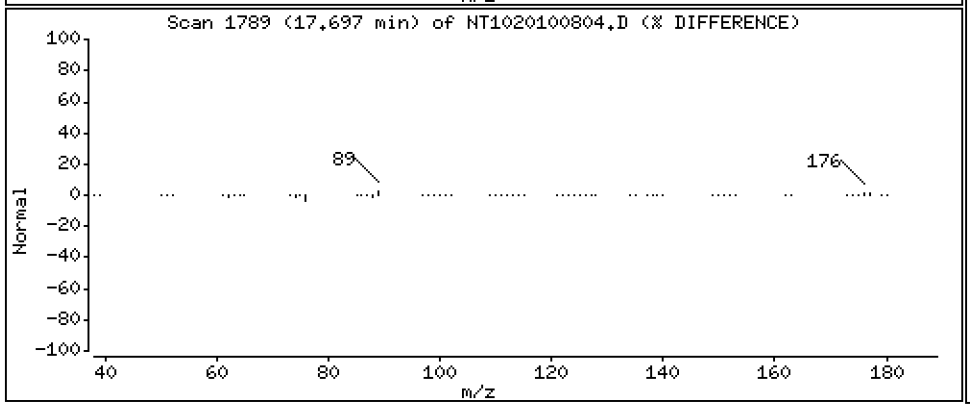












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

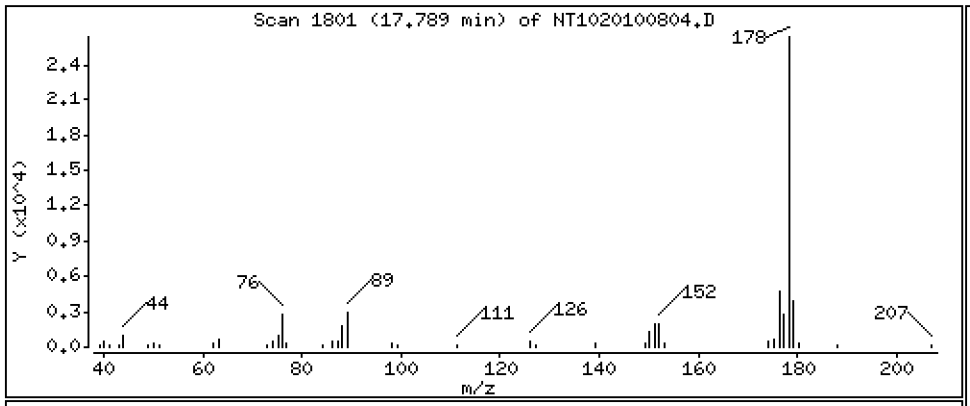
Operator: VTS

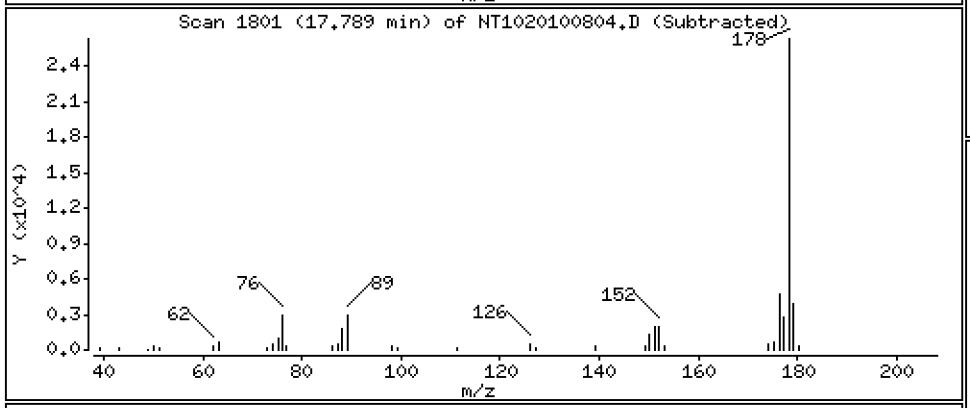
Column phase: ZB-5msi

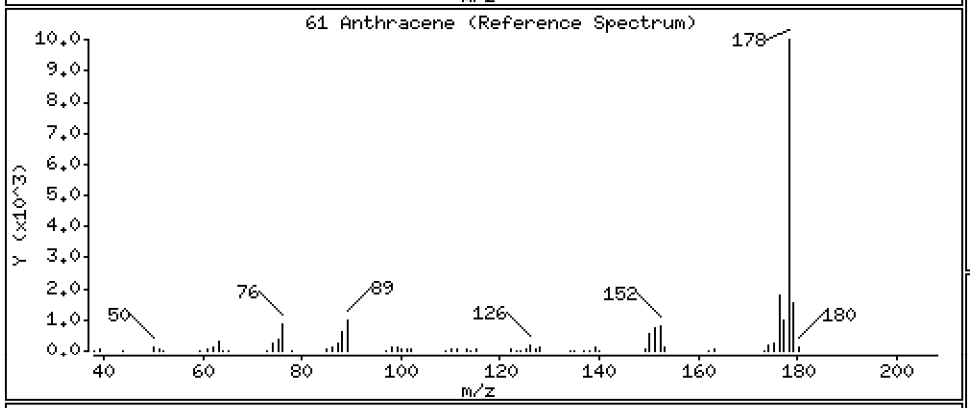
Column diameter: 0.25

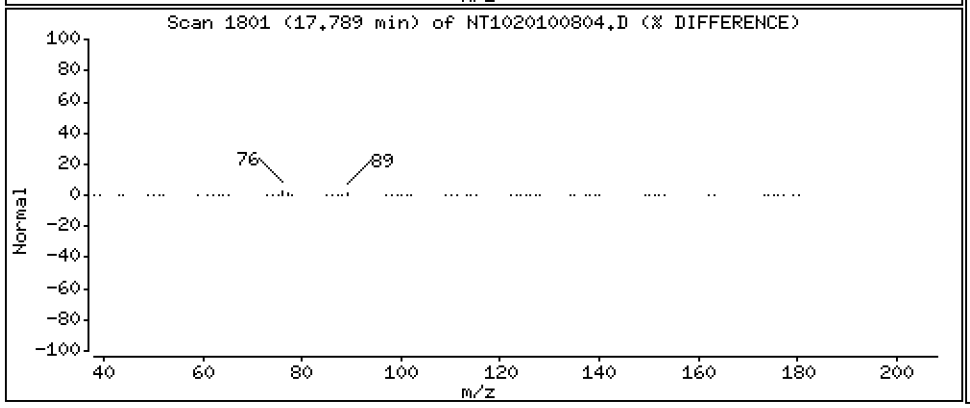
61 Anthracene

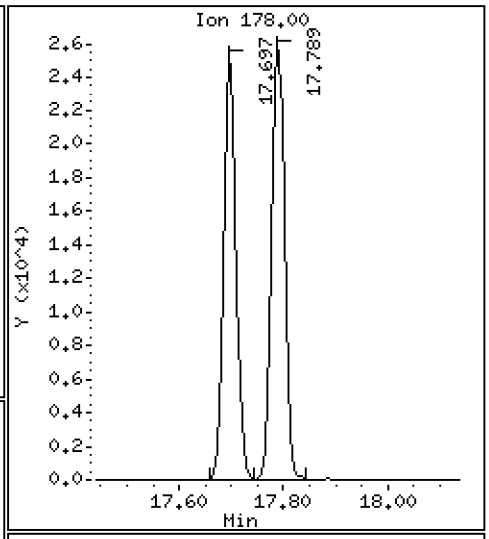
Concentration: 0.4609 ug/mL

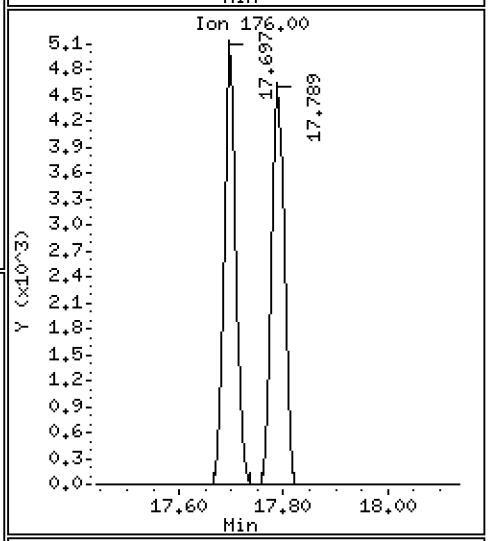


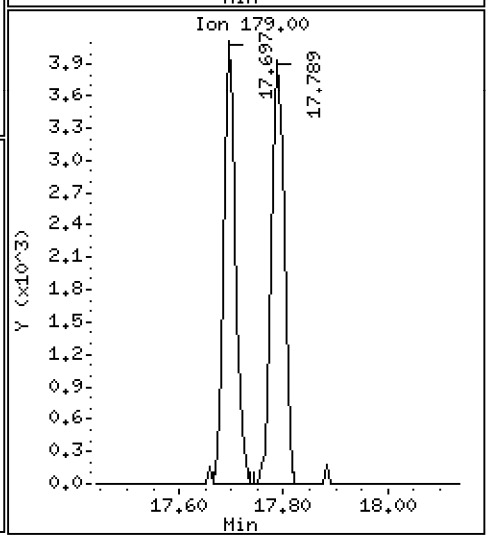












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

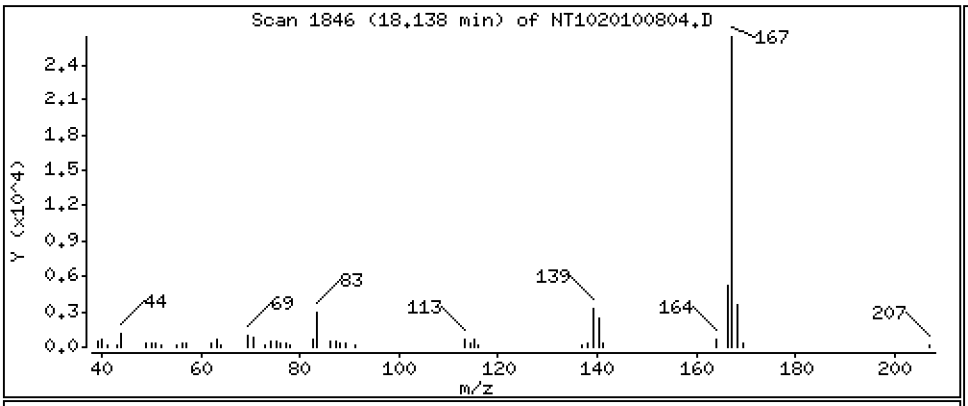
Client ID: Instrument: nt10.i

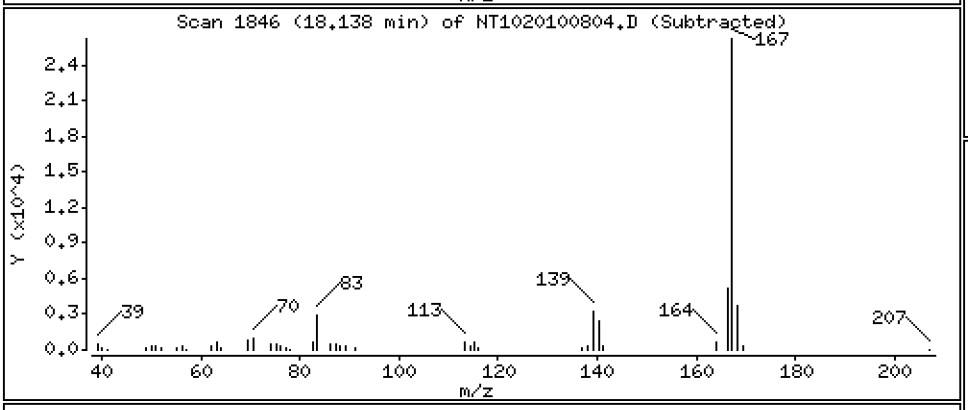
Sample Info: SIJ0109-LCV1

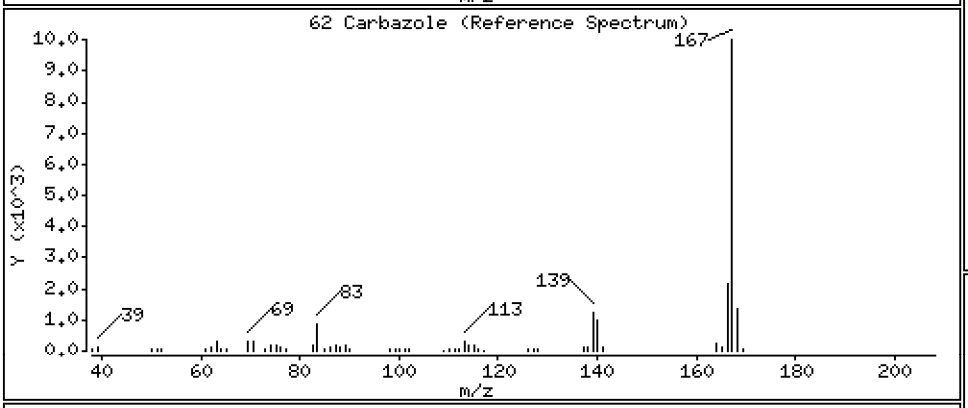
Operator: VTS

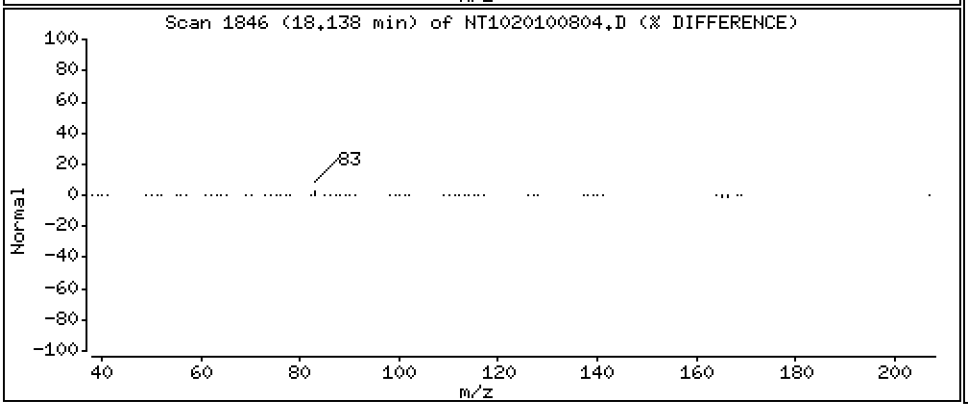
Column phase: ZB-5msi Column diameter: 0.25

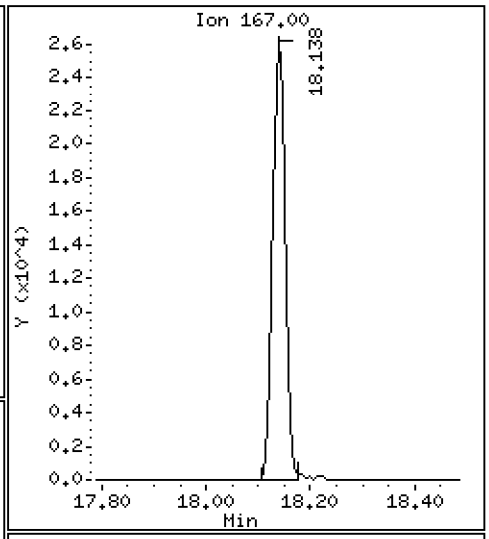
62 Carbazole Concentration: 0.4423 ug/mL

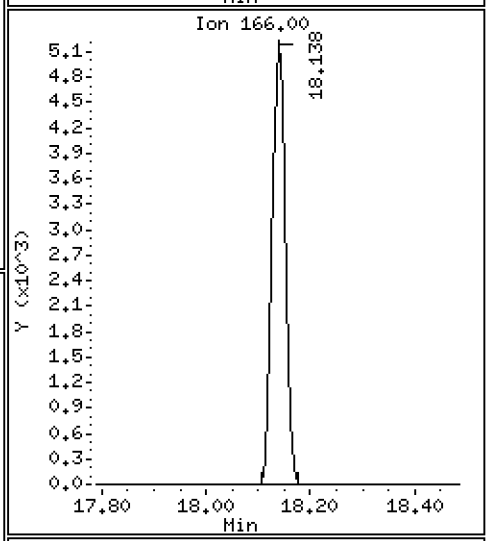


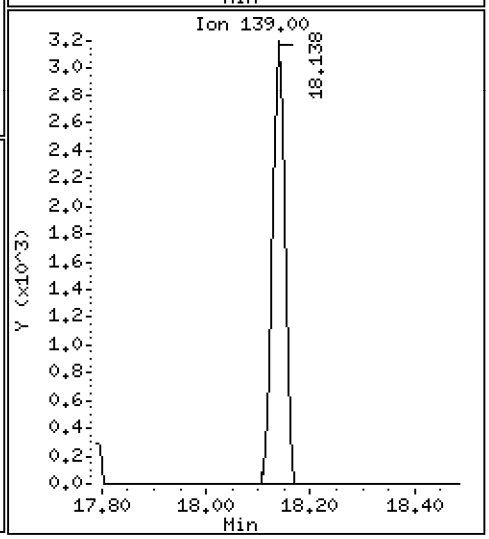












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

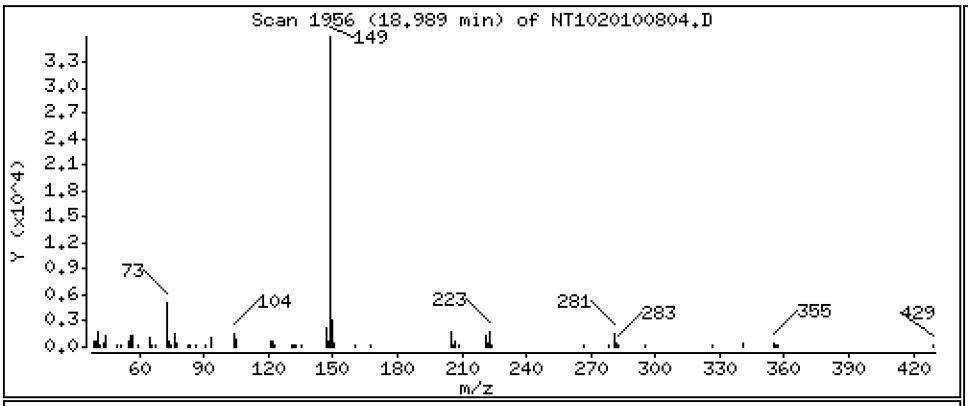
Operator: VTS

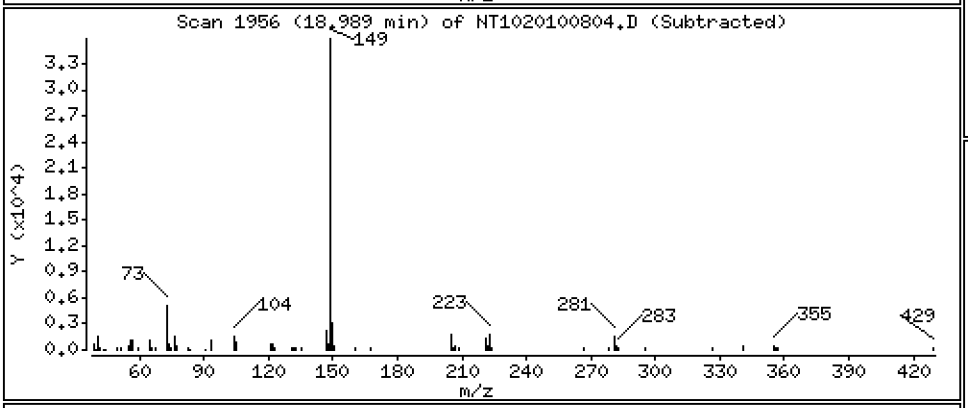
Column phase: ZB-5msi

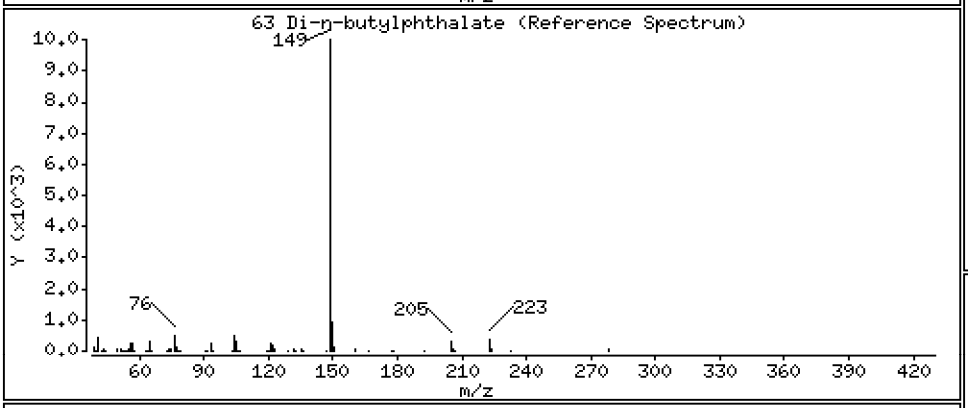
Column diameter: 0.25

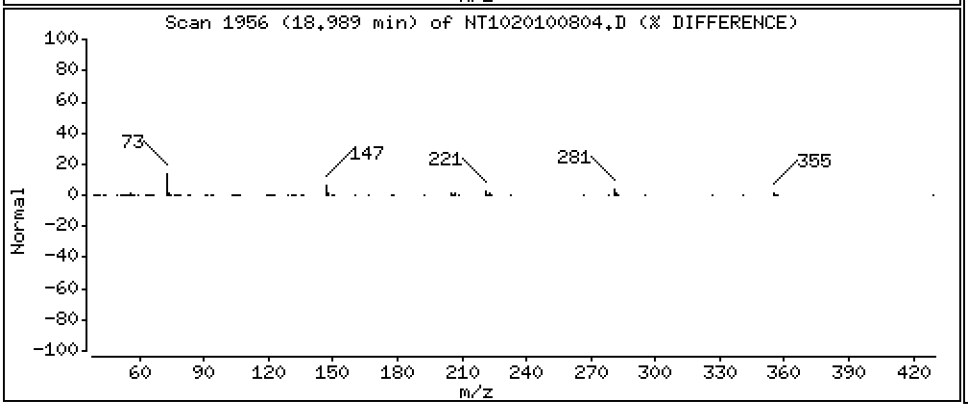
63 Di-n-butylphthalate

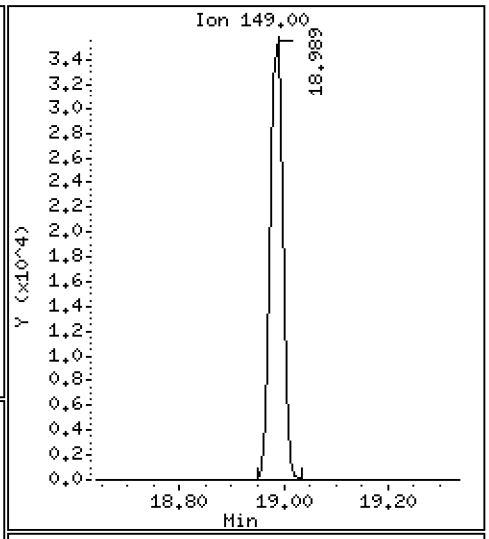
Concentration: 0.4733 ug/mL

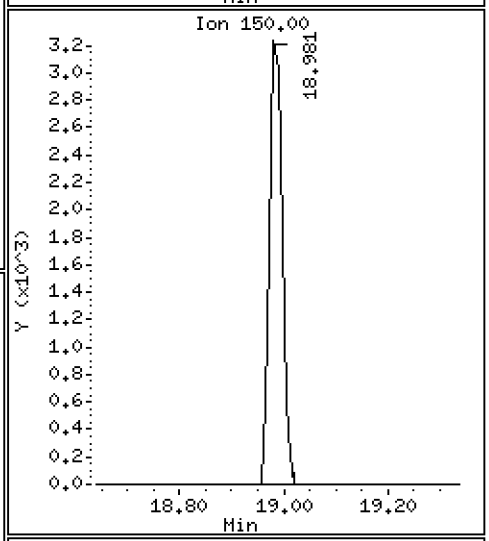


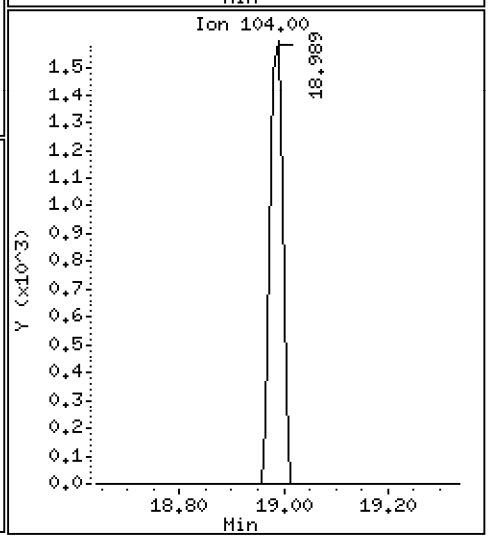












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

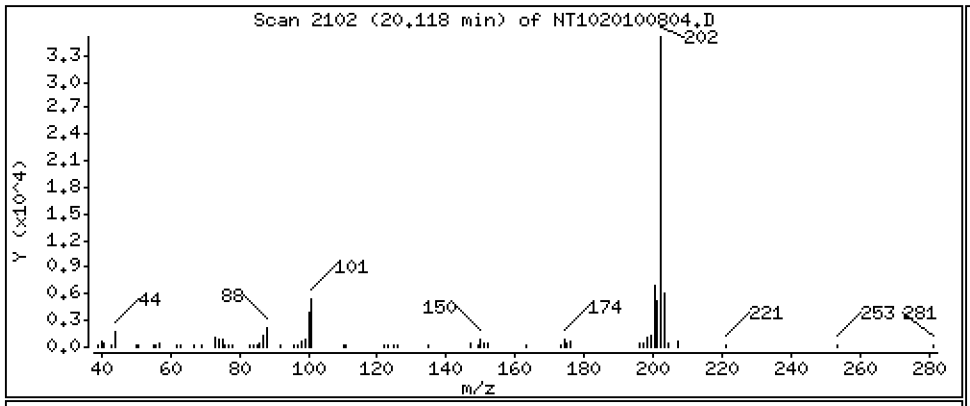
Operator: VTS

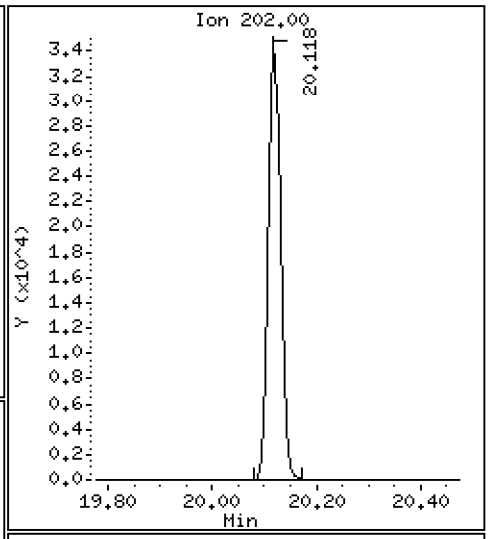
Column phase: ZB-5msi

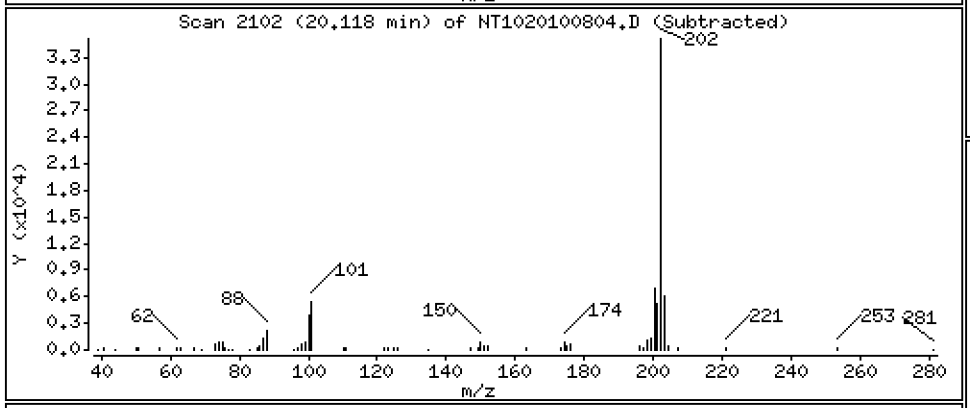
Column diameter: 0.25

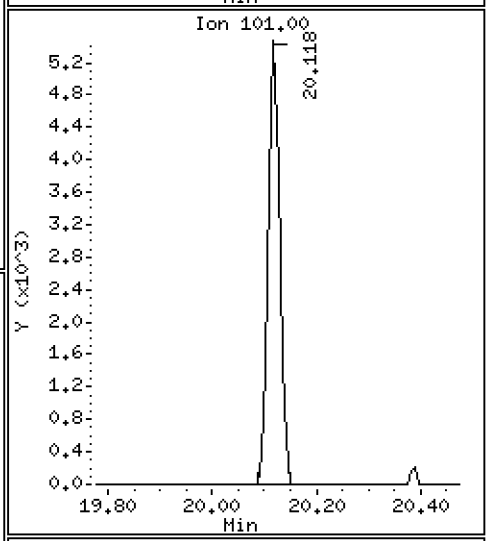
64 Fluoranthene

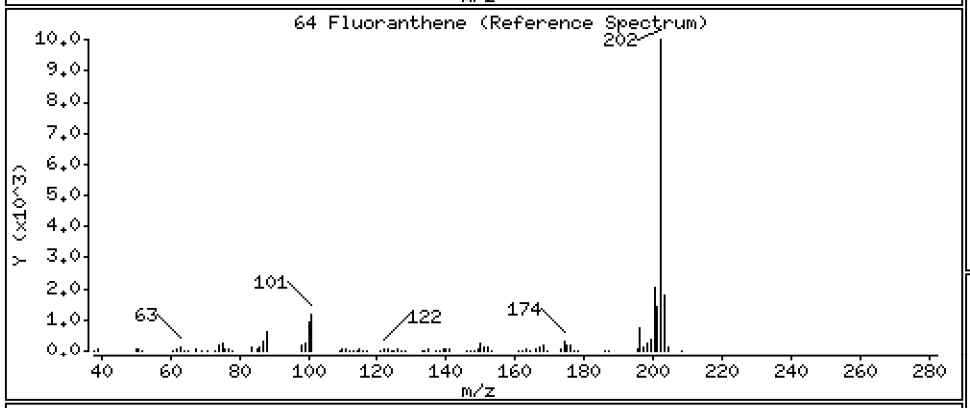
Concentration: 0.4429 ug/mL

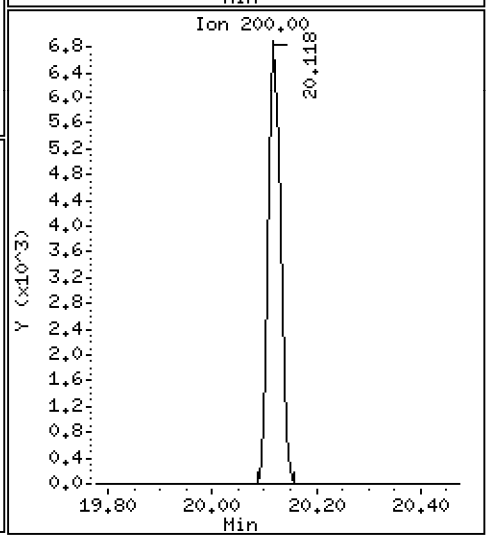


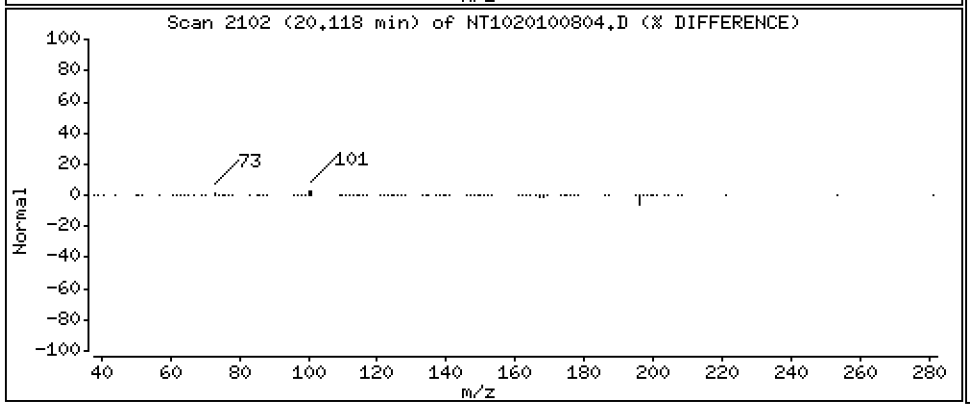












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

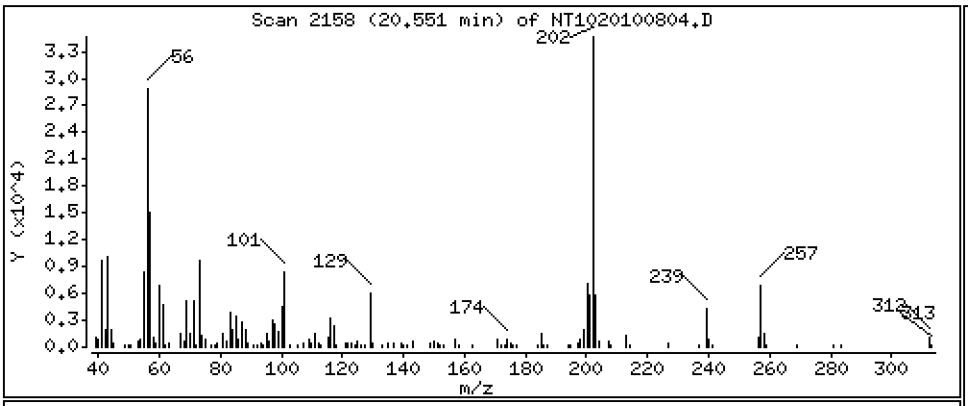
Operator: VTS

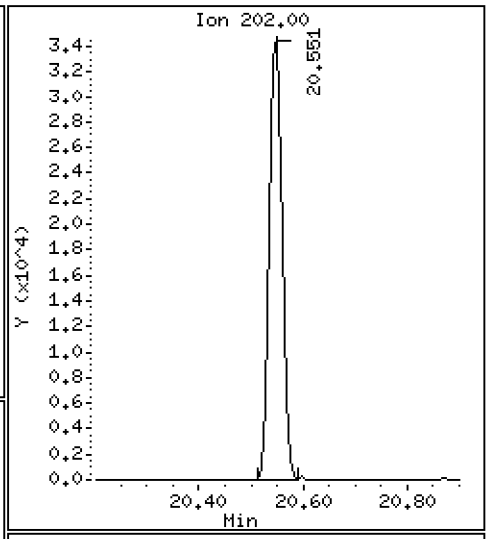
Column phase: ZB-5msi

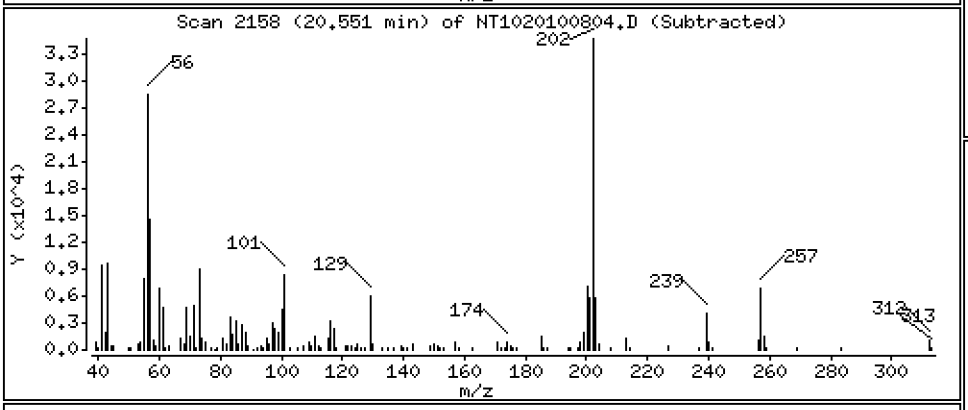
Column diameter: 0.25

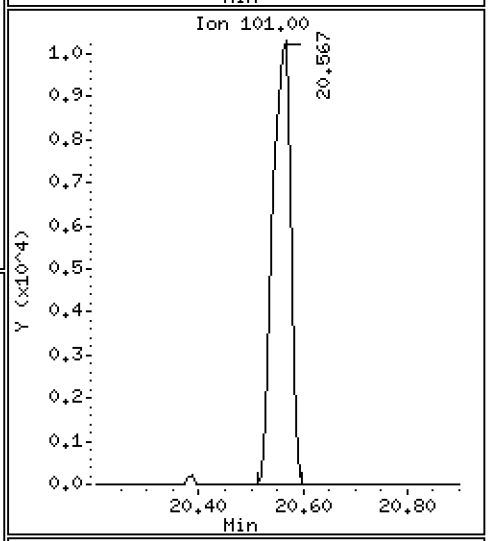
65 Pyrene

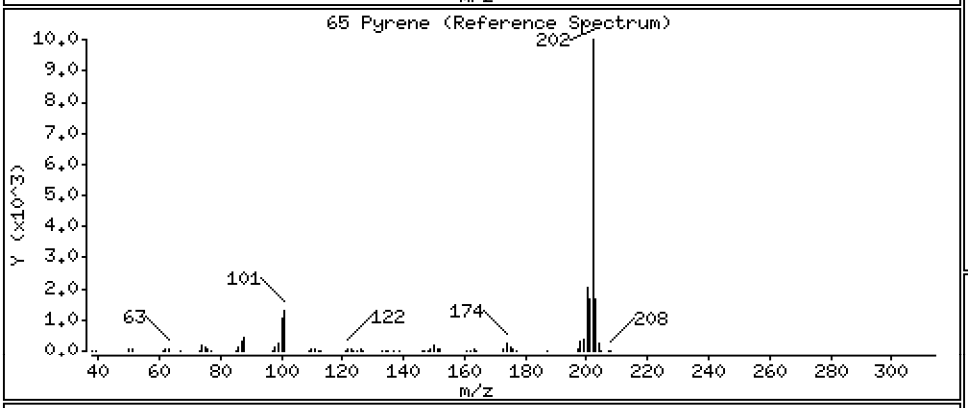
Concentration: 0.4596 ug/mL

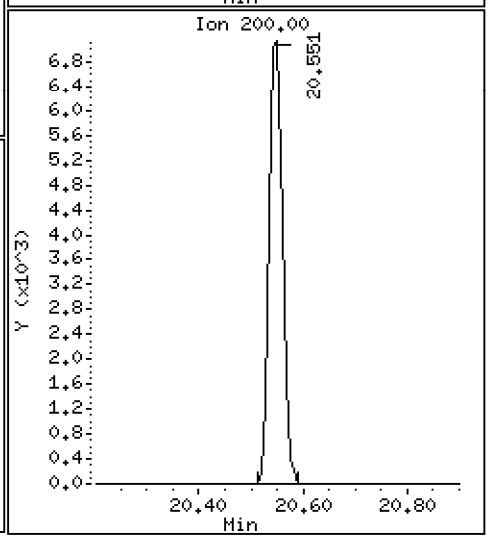


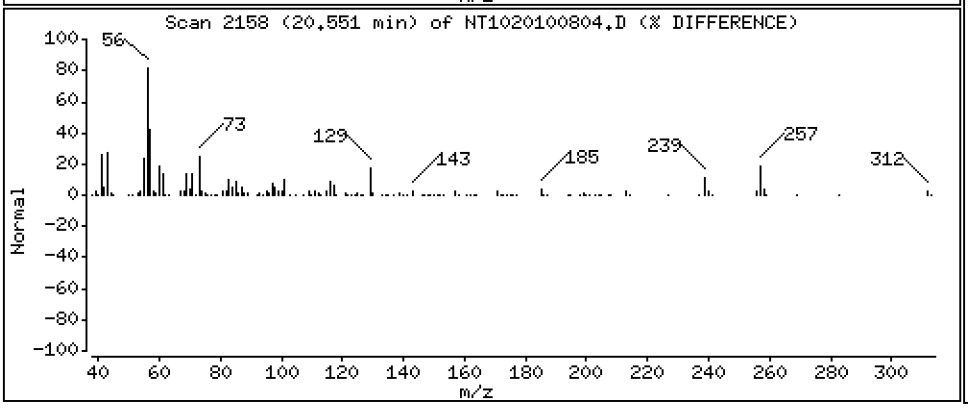












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

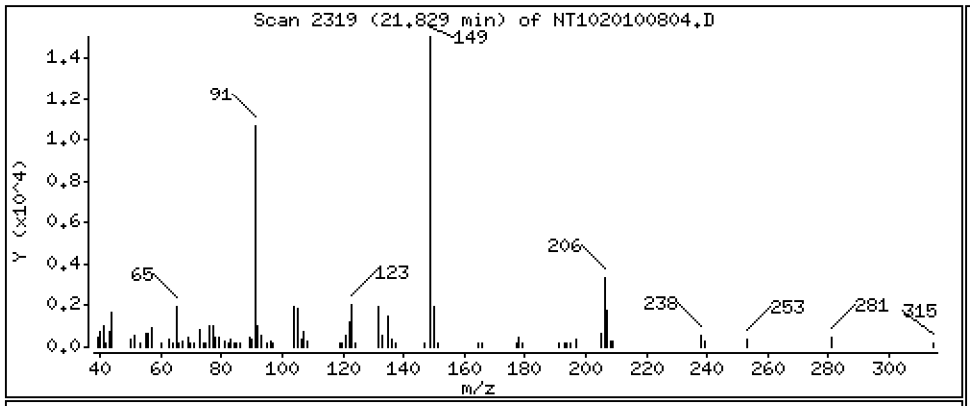
Operator: VTS

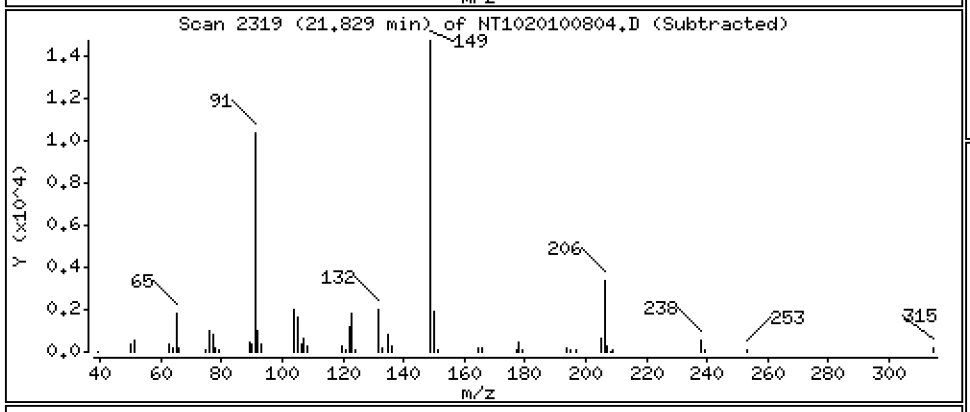
Column phase: ZB-5msi

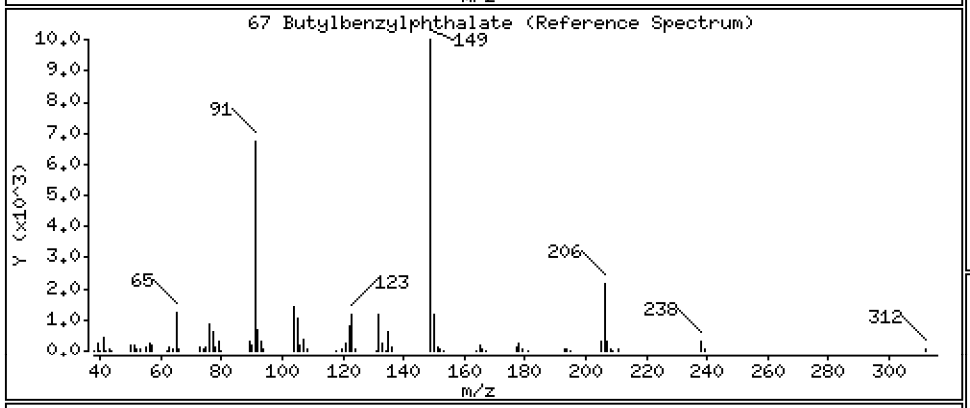
Column diameter: 0.25

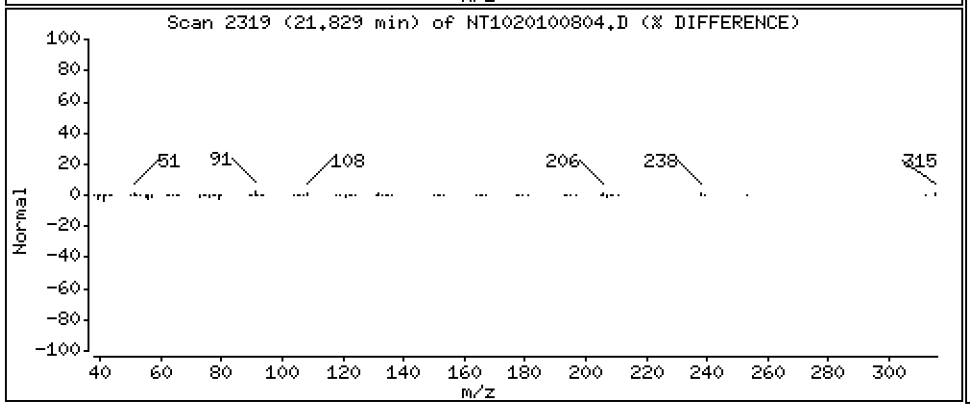
67 Butylbenzylphthalate

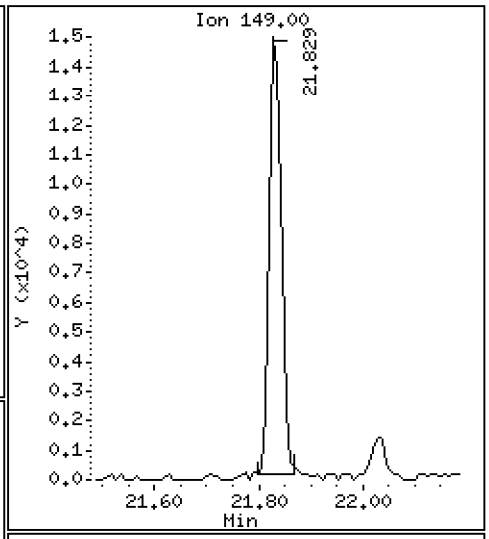
Concentration: 0.5168 ug/mL

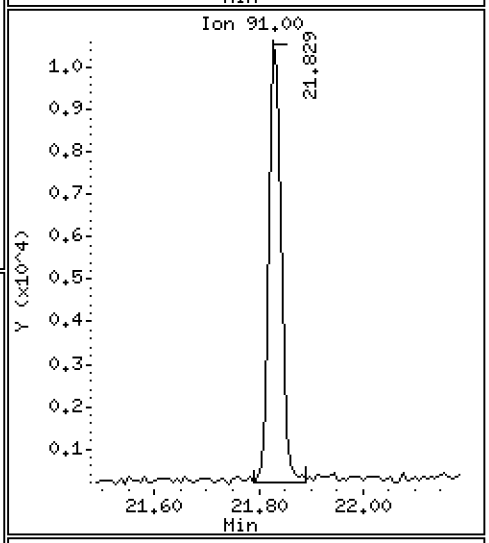


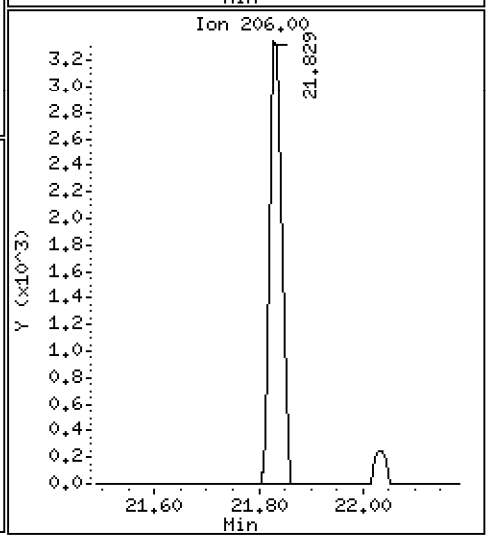












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

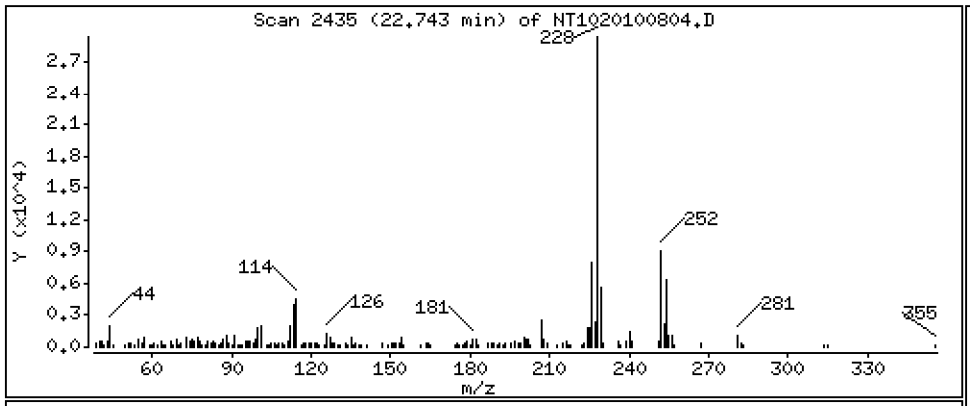
Operator: VTS

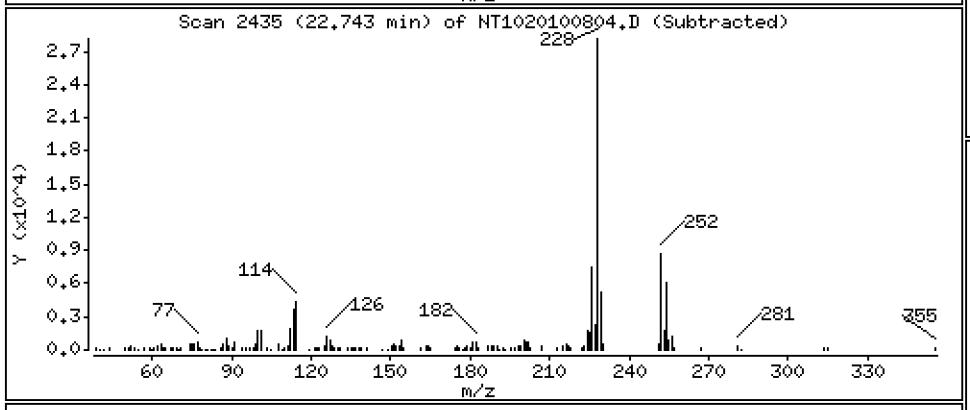
Column phase: ZB-5msi

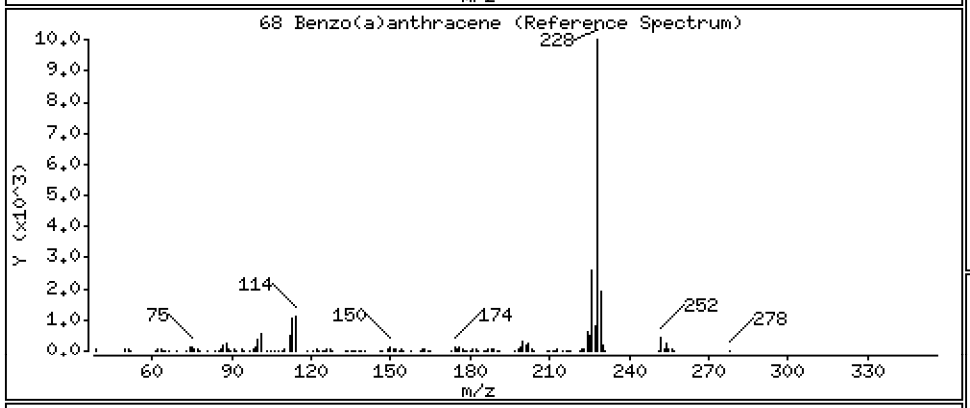
Column diameter: 0.25

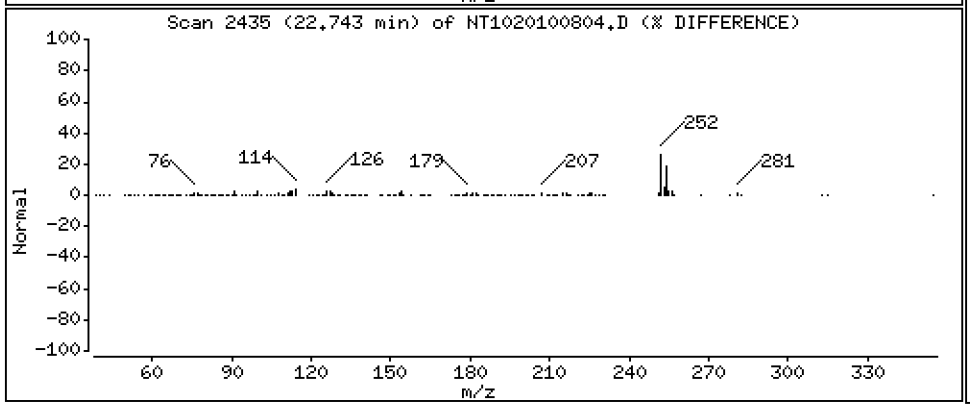
68 Benzo(a)anthracene

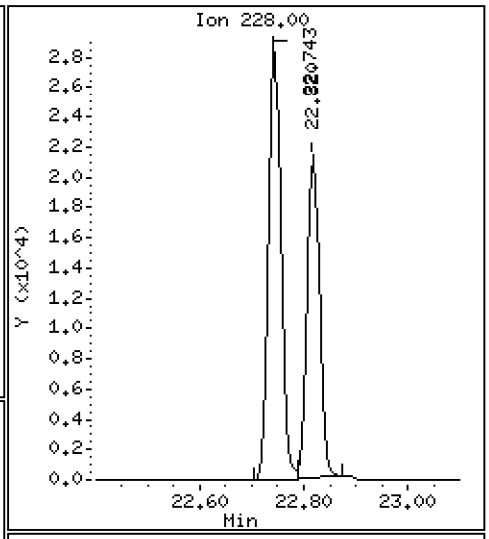
Concentration: 0.5232 ug/mL

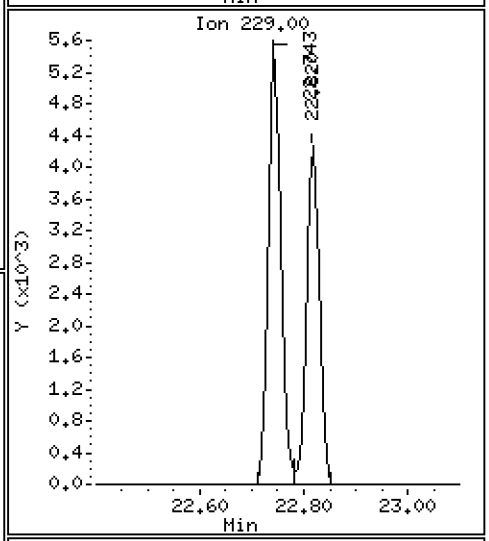


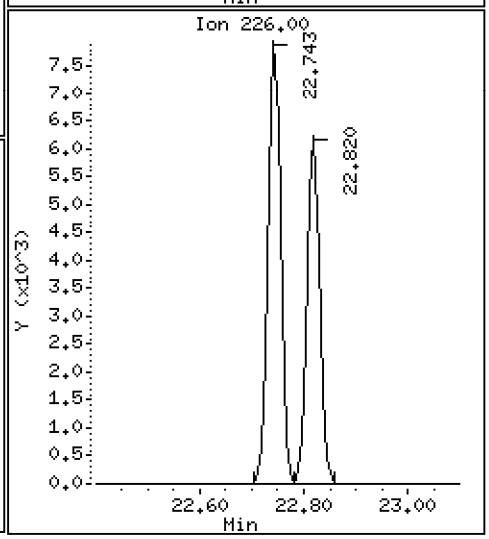












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

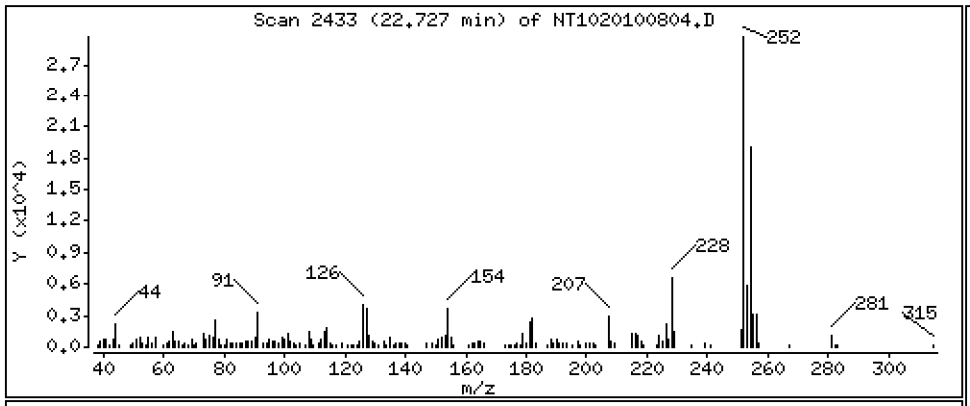
Operator: VTS

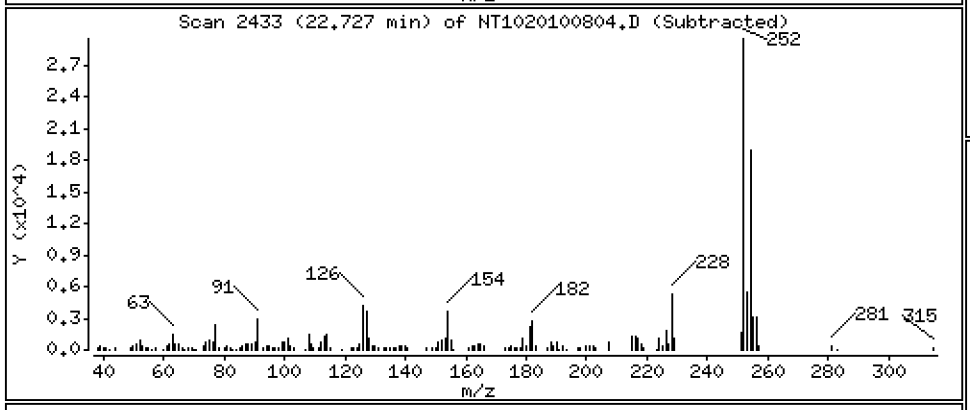
Column phase: ZB-5msi

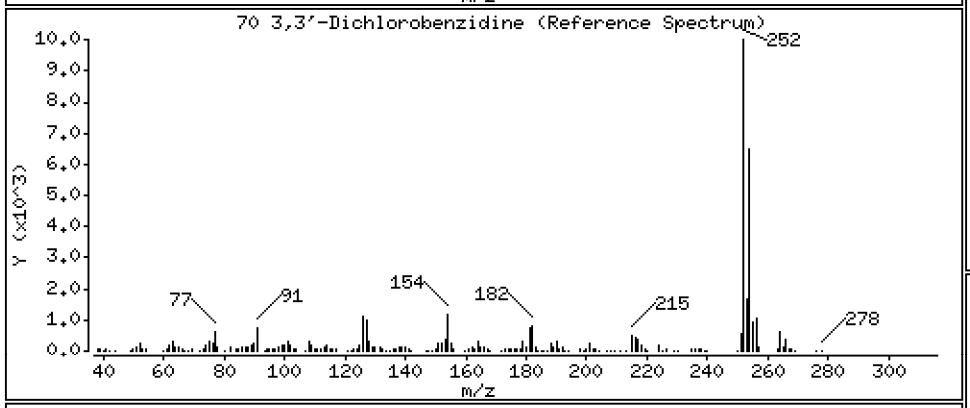
Column diameter: 0.25

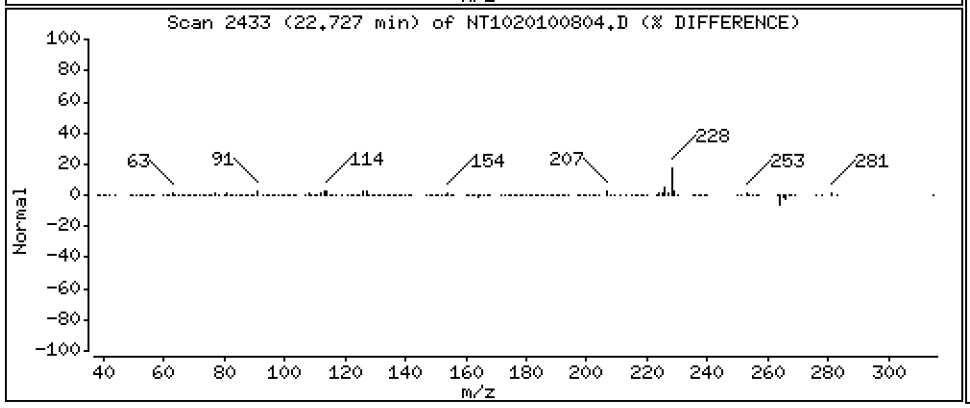
70 3,3'-Dichlorobenzidine

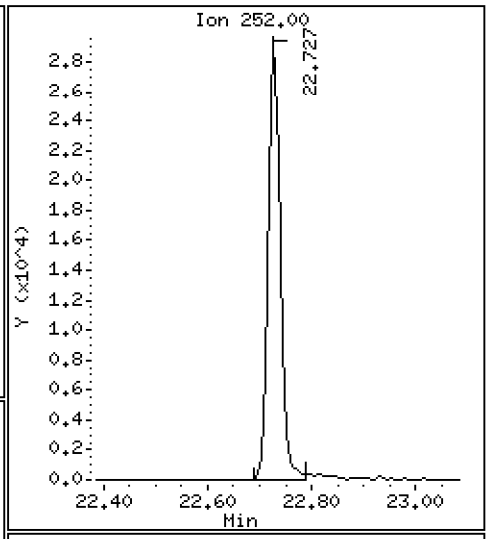
Concentration: 1.405 ug/mL

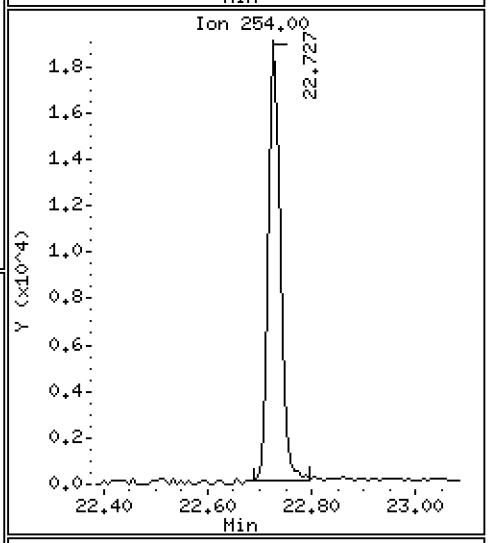


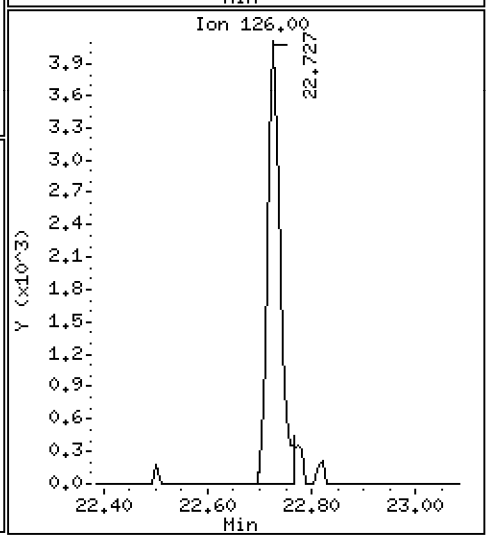












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

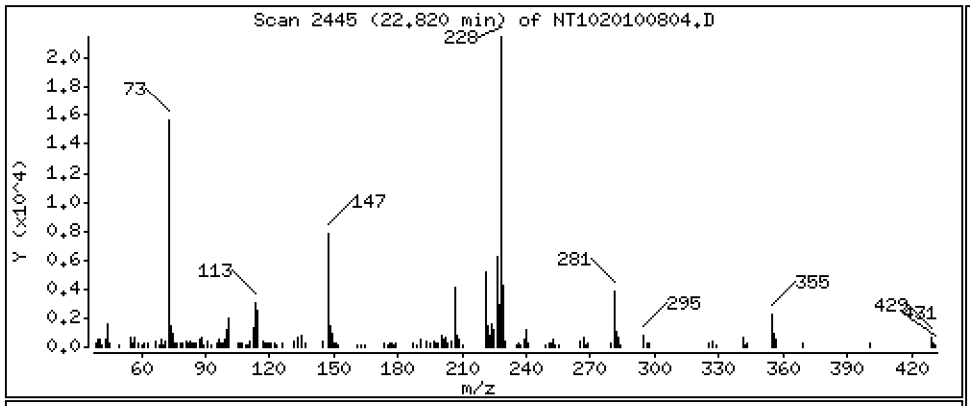
Operator: VTS

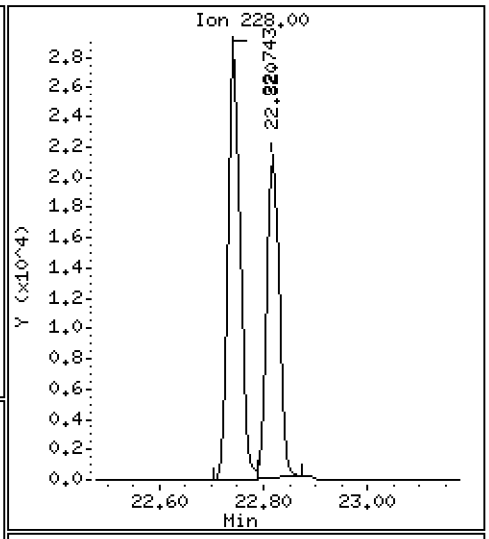
Column phase: ZB-5msi

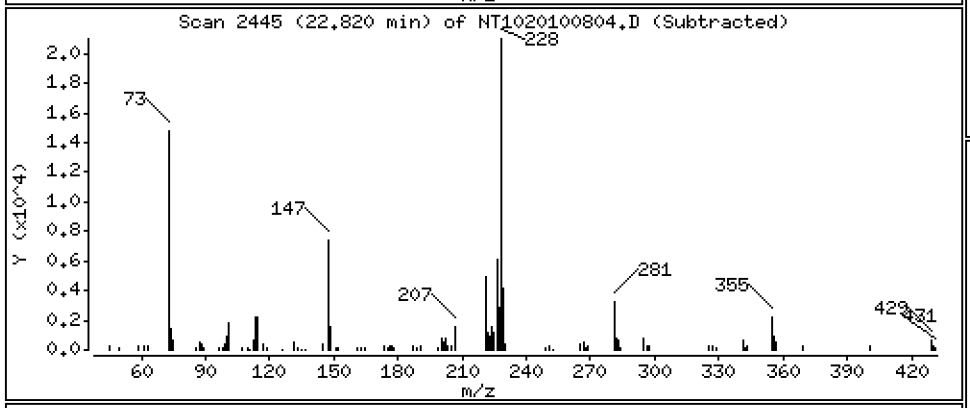
Column diameter: 0.25

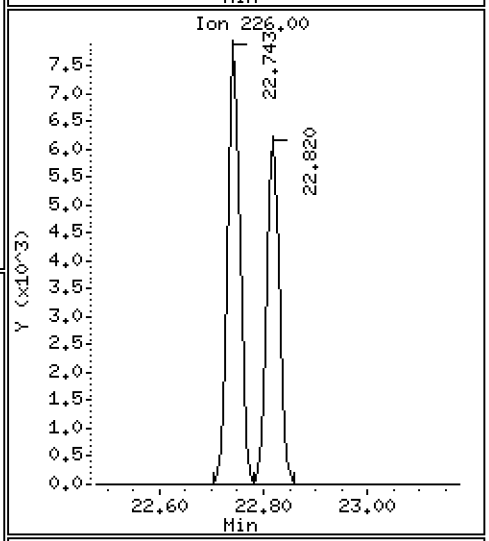
71 Chrysene

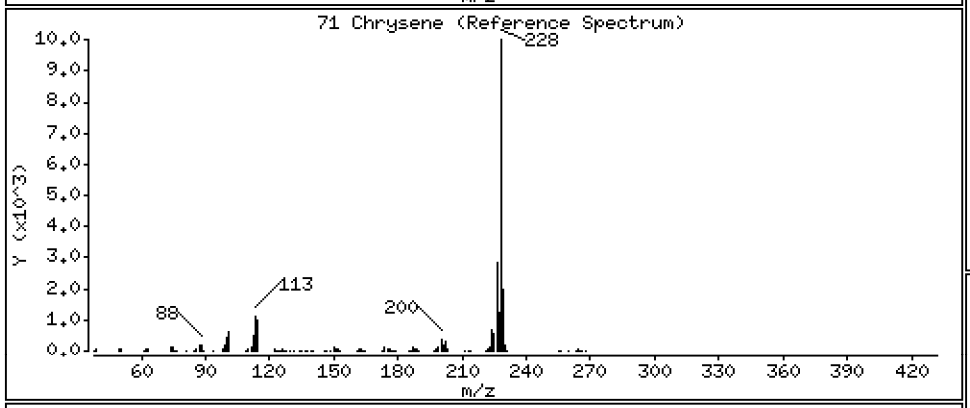
Concentration: 0.4850 ug/mL

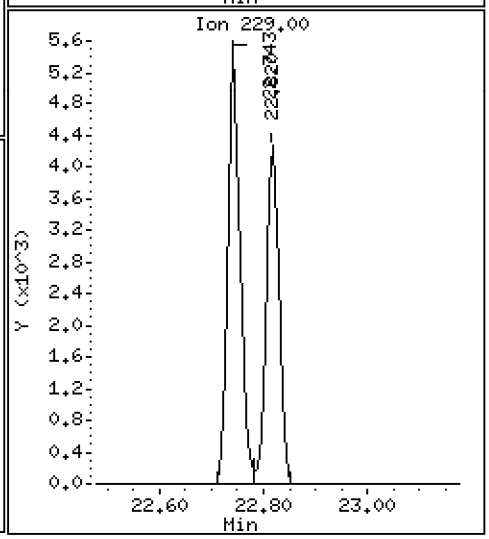


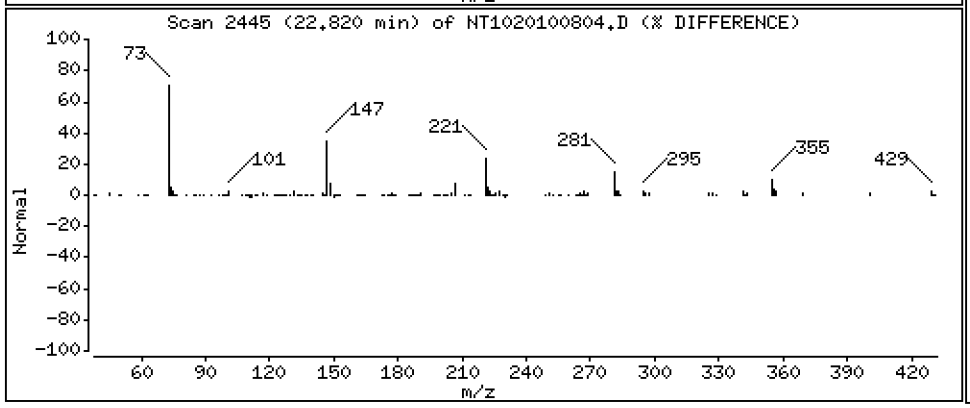












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

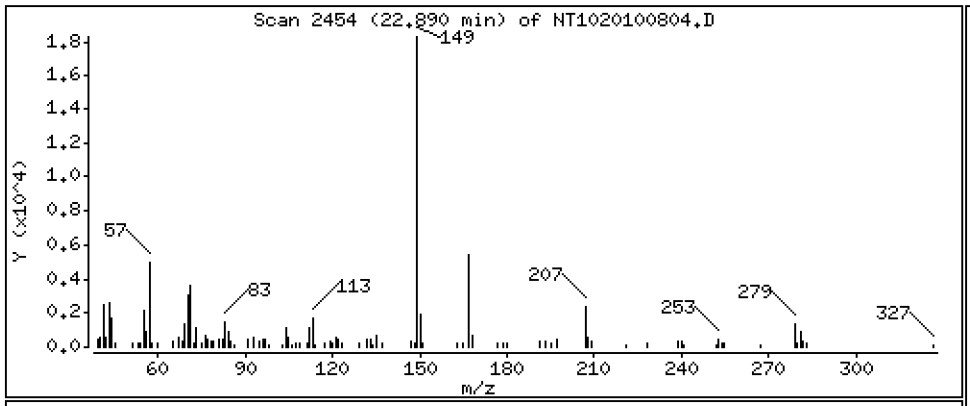
Operator: VTS

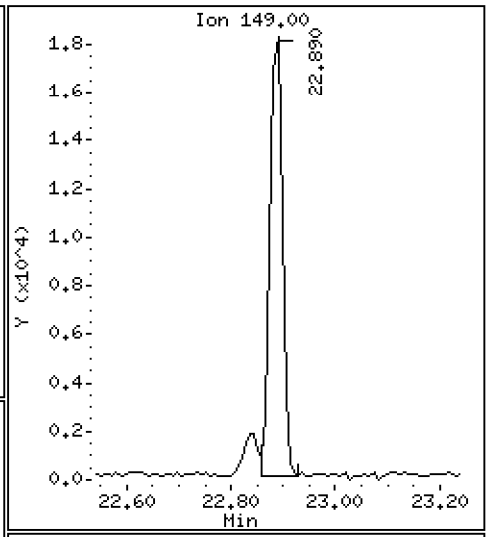
Column phase: ZB-5msi

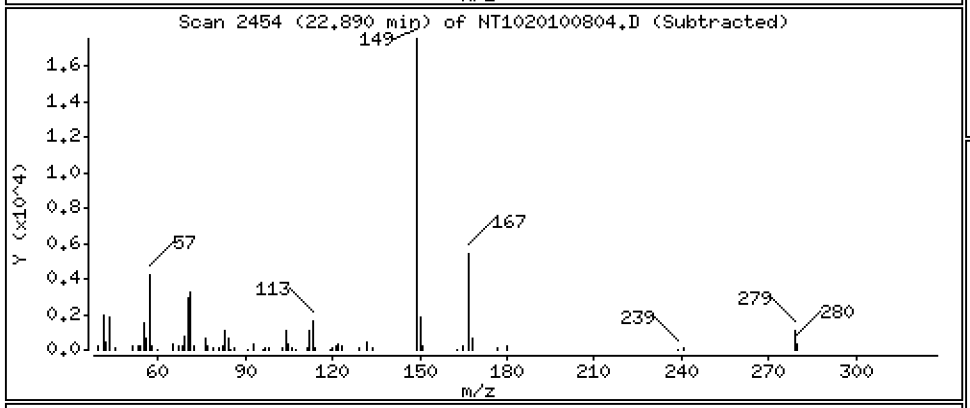
Column diameter: 0.25

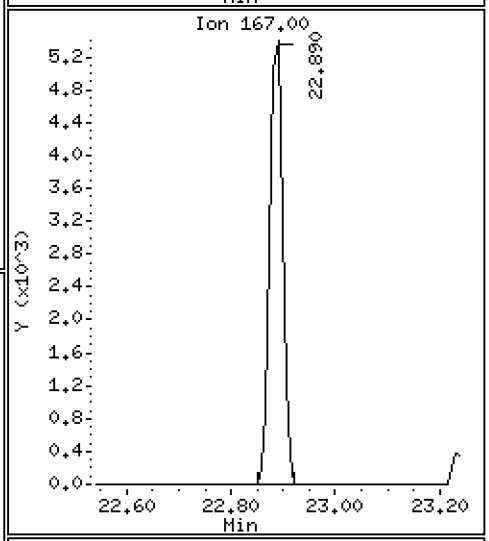
72 bis(2-Ethylhexyl)phthalate

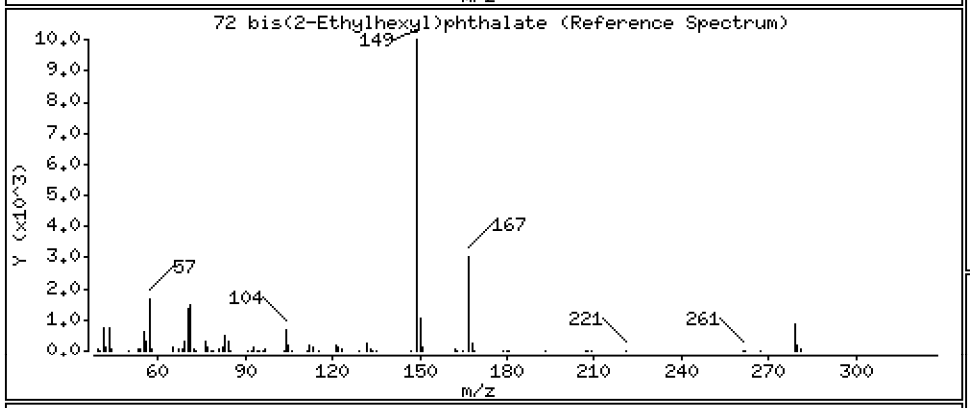
Concentration: 0.5107 ug/mL

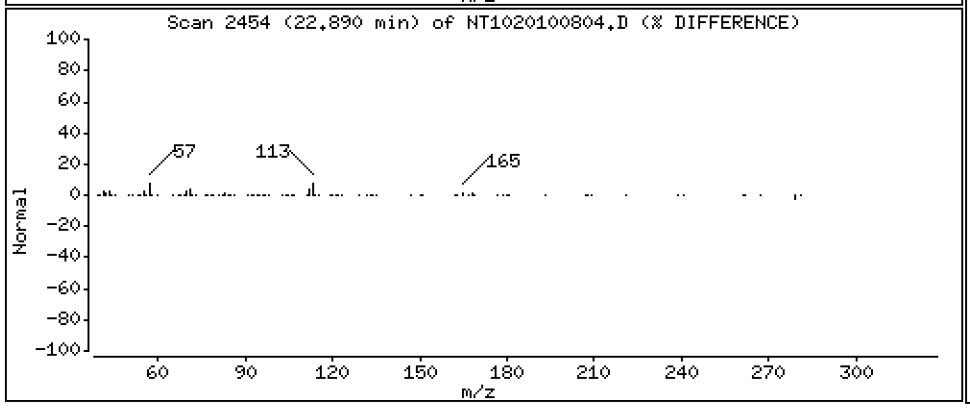


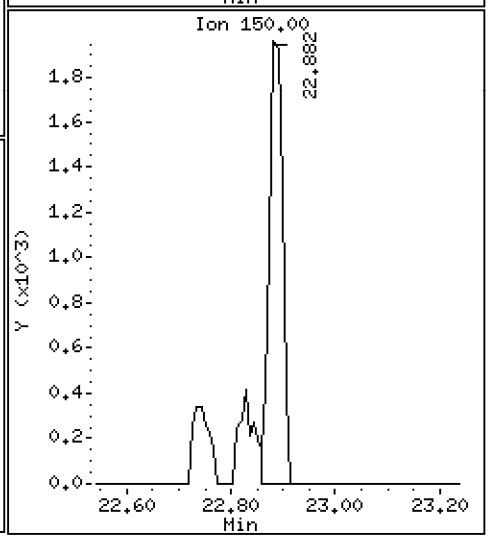












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

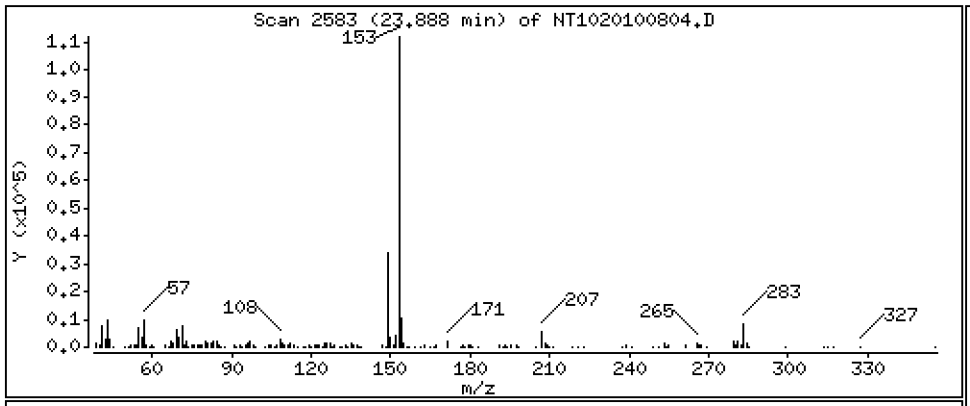
Operator: VTS

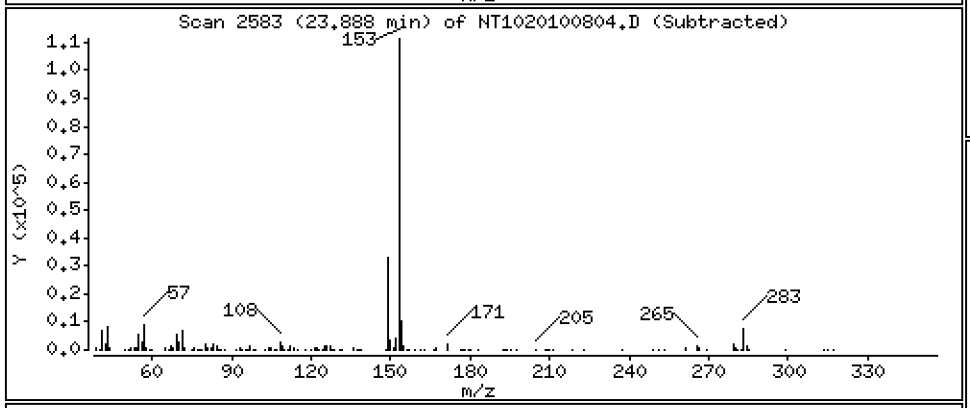
Column phase: ZB-5msi

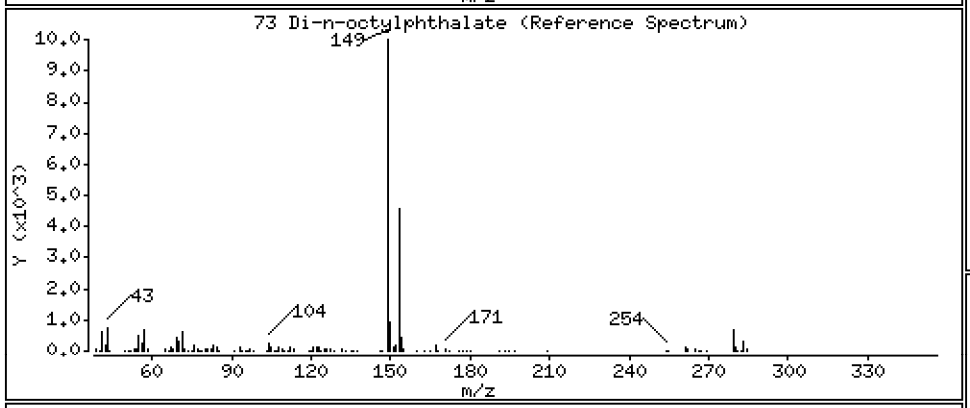
Column diameter: 0.25

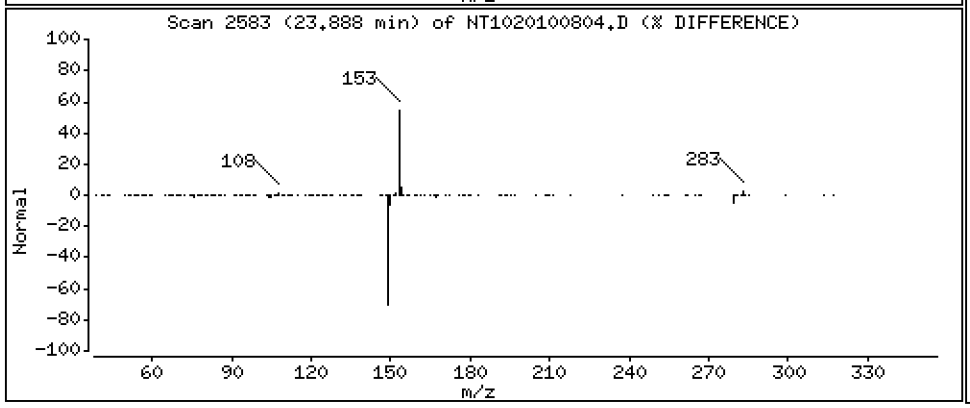
73 Di-n-octylphthalate

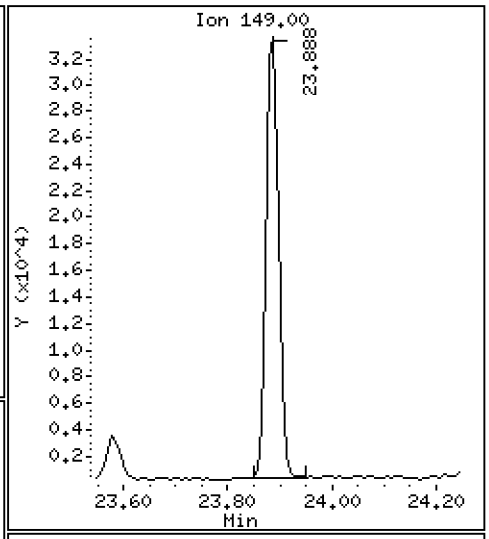
Concentration: 0.5102 ug/mL

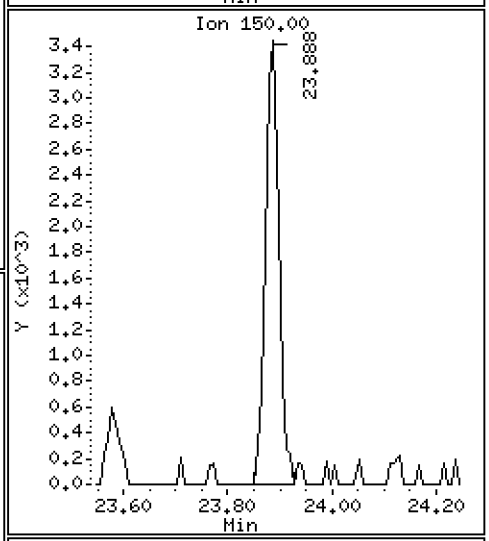


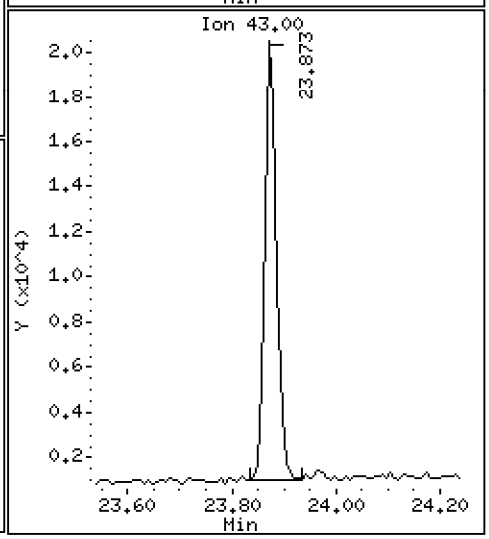












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

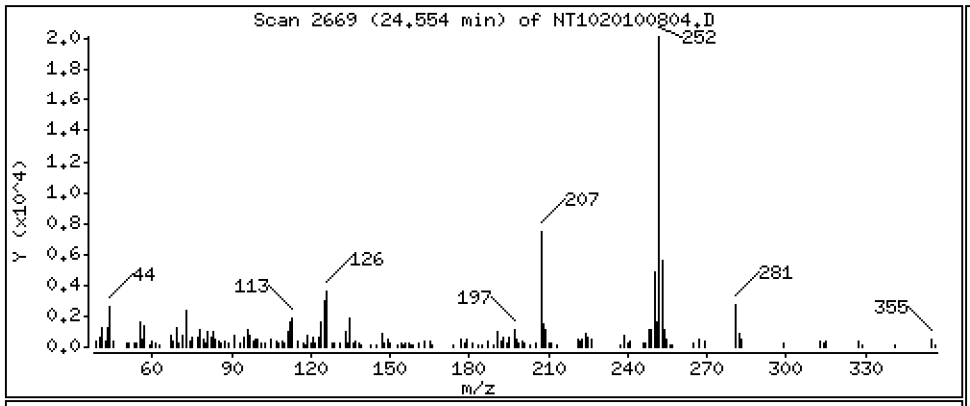
Operator: VTS

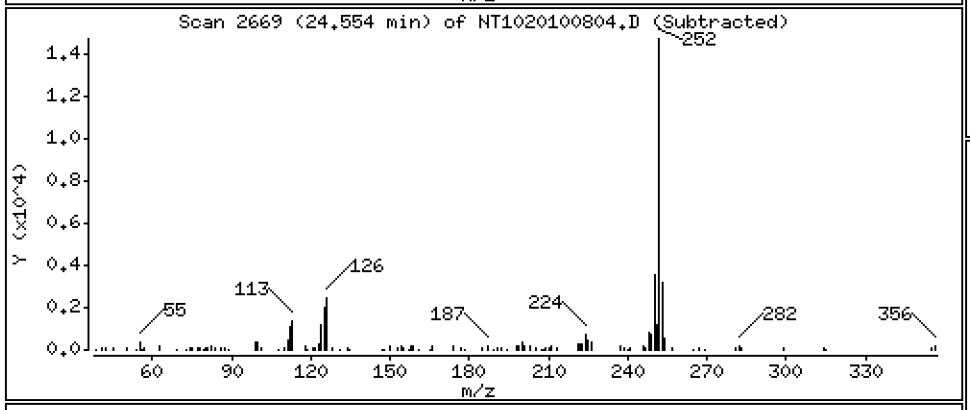
Column phase: ZB-5msi

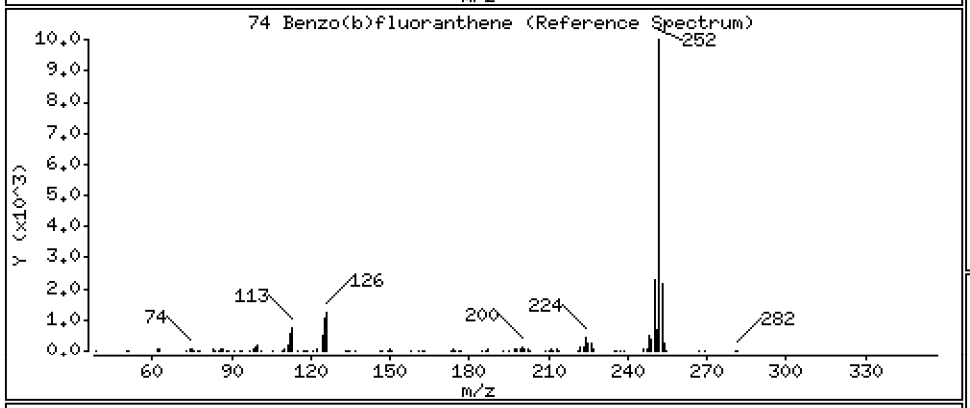
Column diameter: 0.25

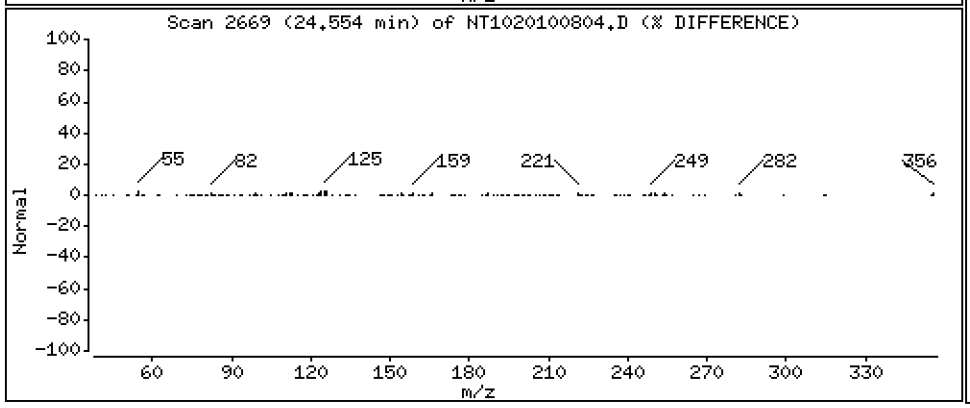
74 Benzo(b)fluoranthene

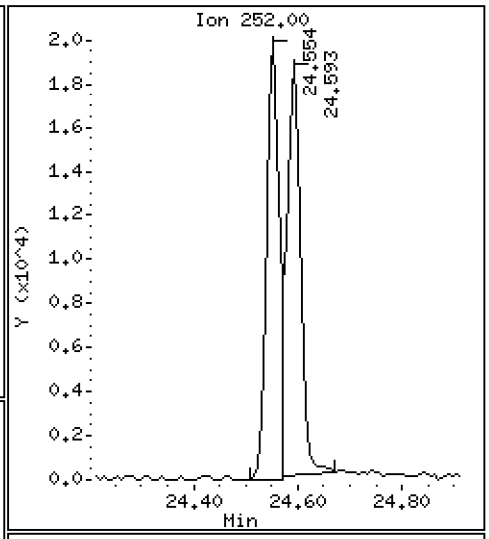
Concentration: 0.4822 ug/mL

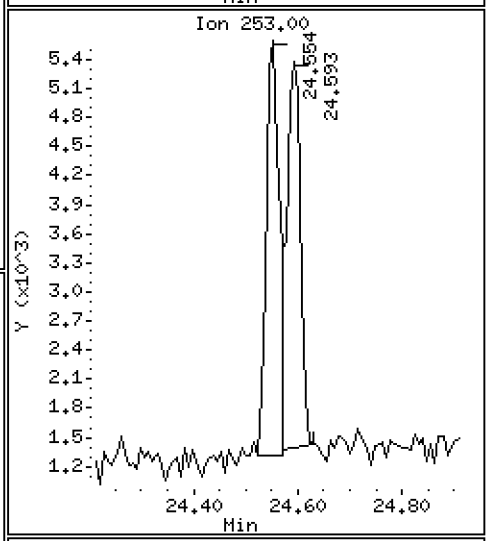


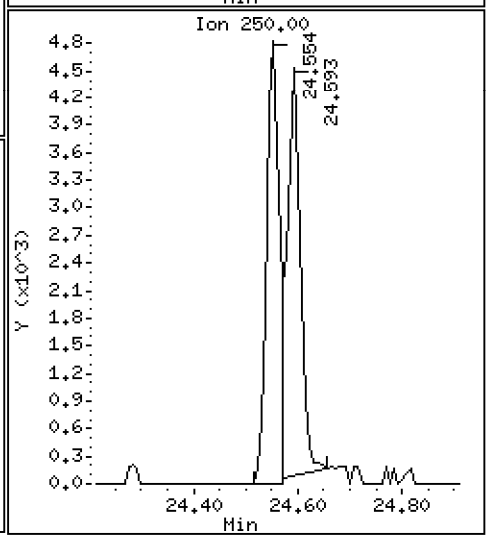












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

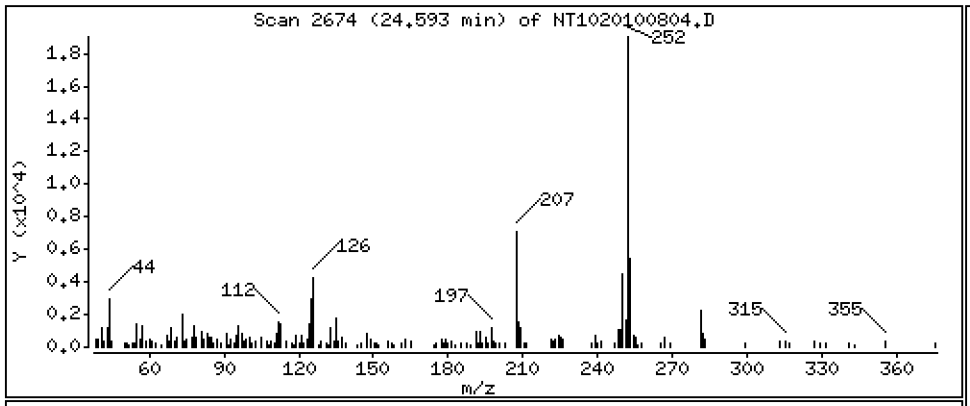
Operator: VTS

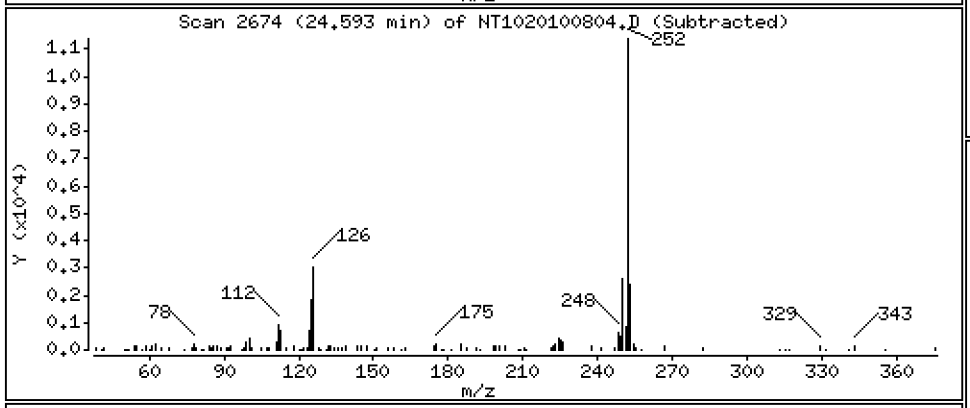
Column phase: ZB-5msi

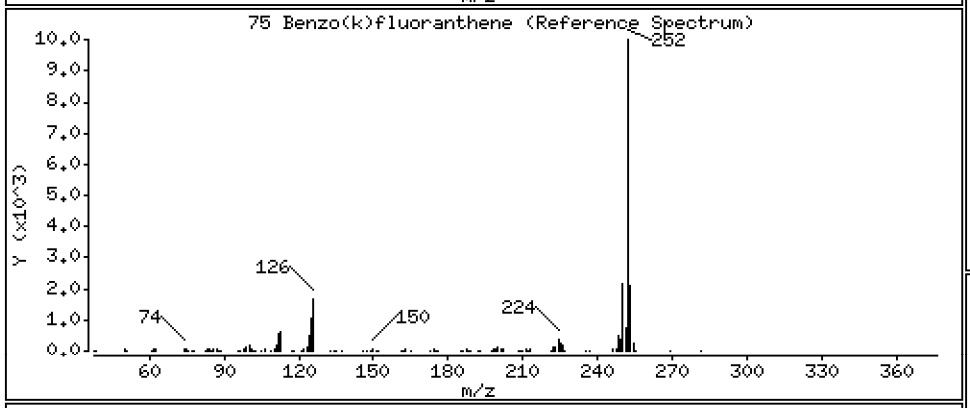
Column diameter: 0.25

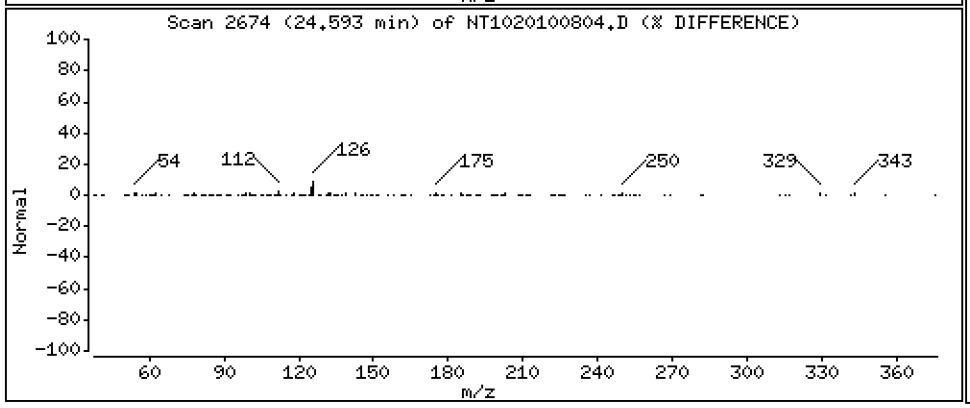
75 Benzo(k)fluoranthene

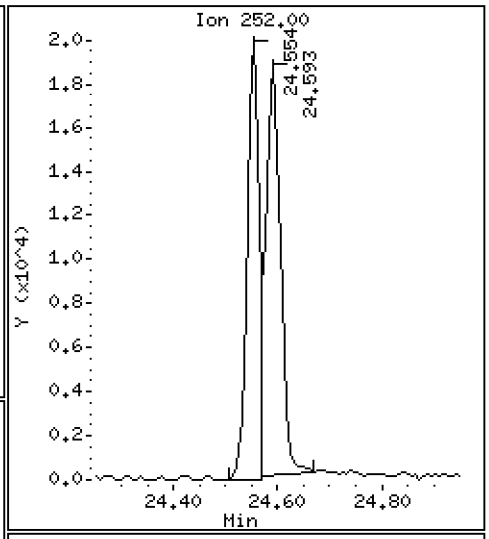
Concentration: 0.5454 ug/mL

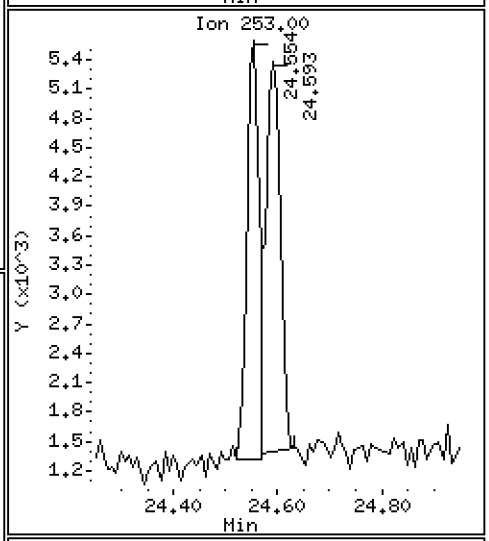


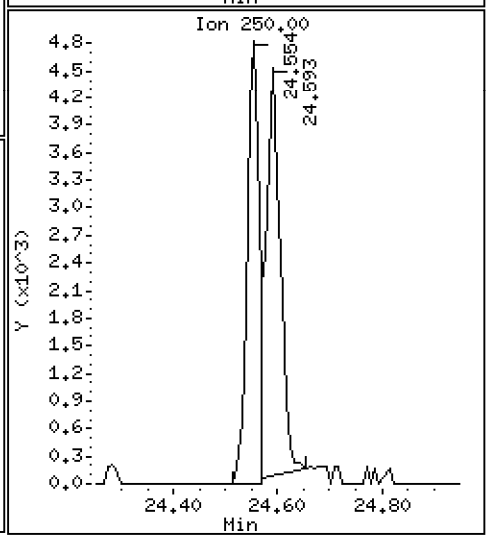












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

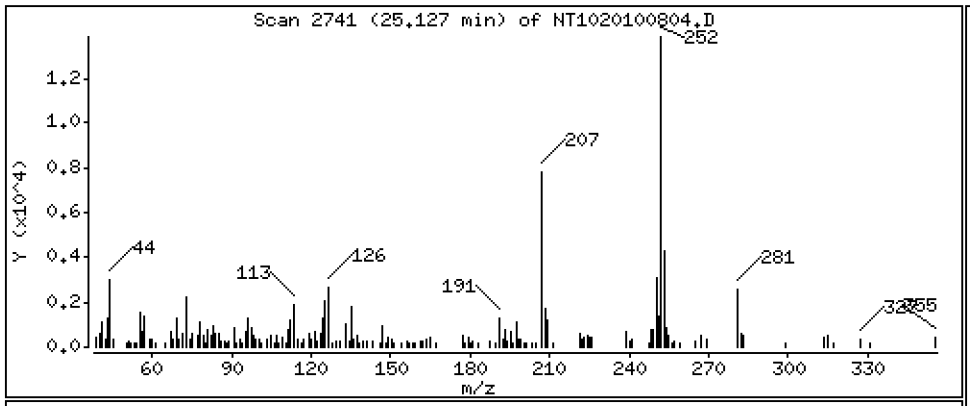
Operator: VTS

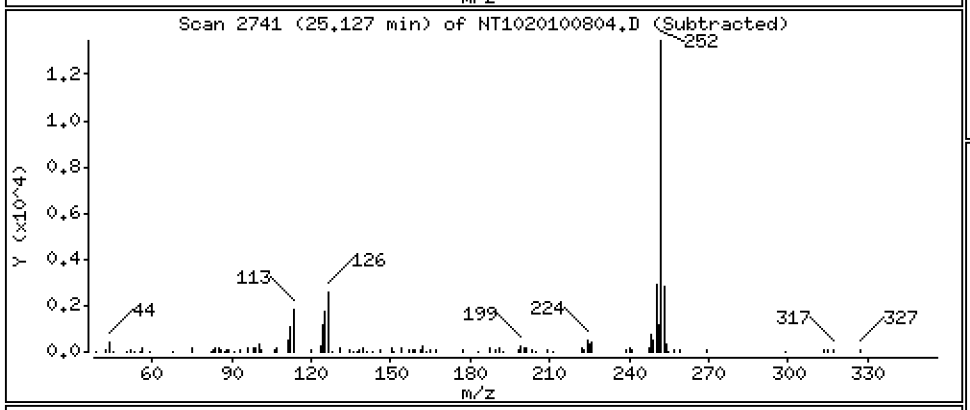
Column phase: ZB-5msi

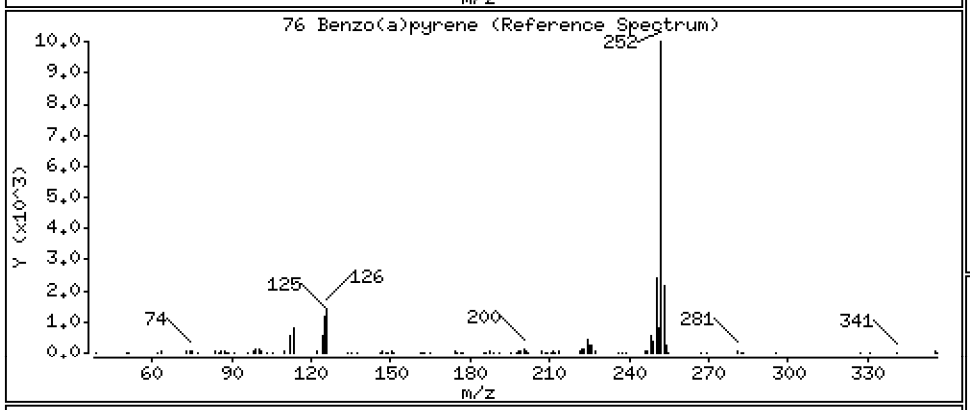
Column diameter: 0.25

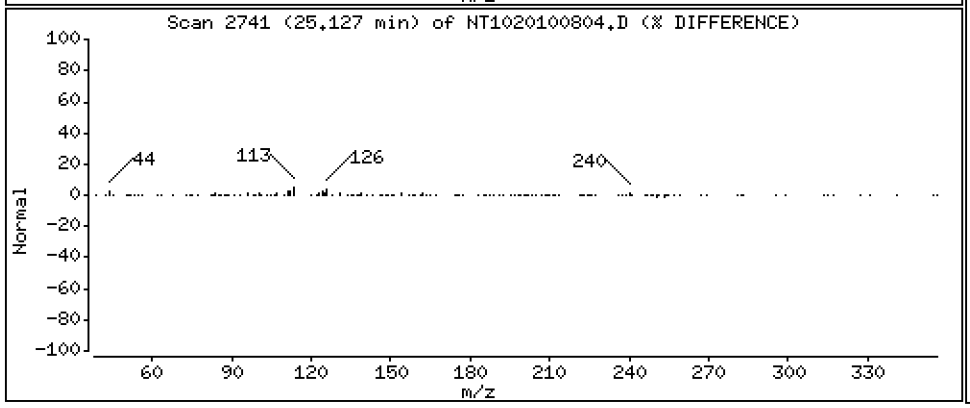
76 Benzo(a)pyrene

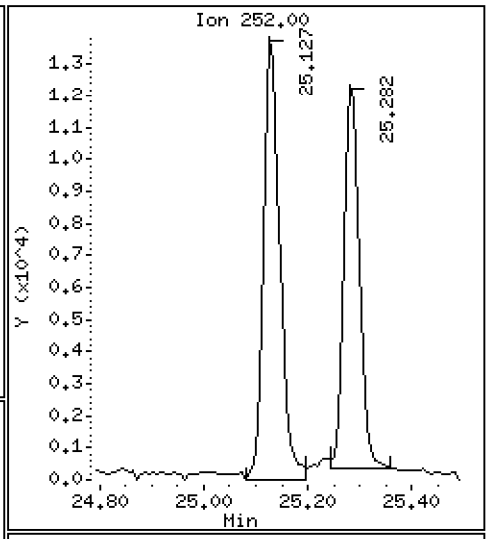
Concentration: 0.5168 ug/mL

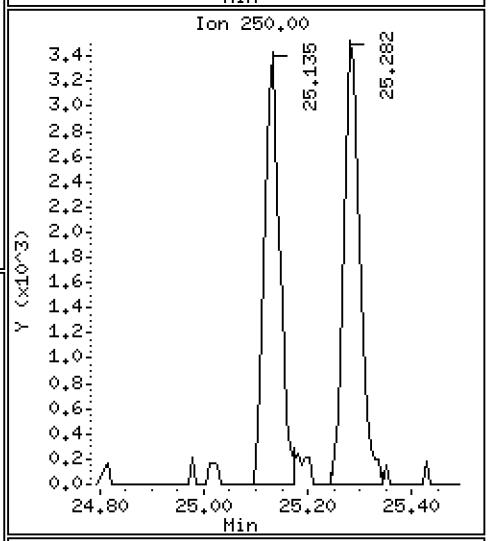


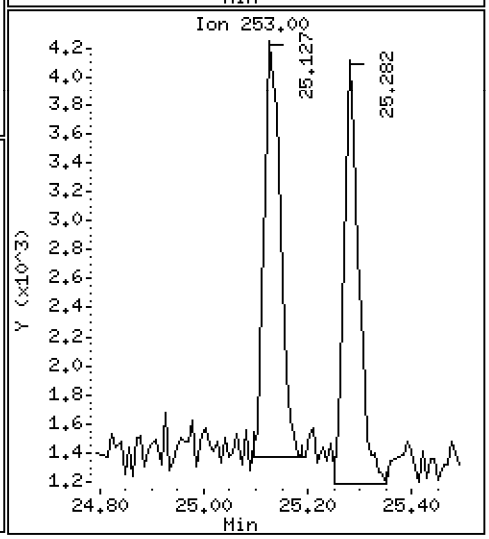












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

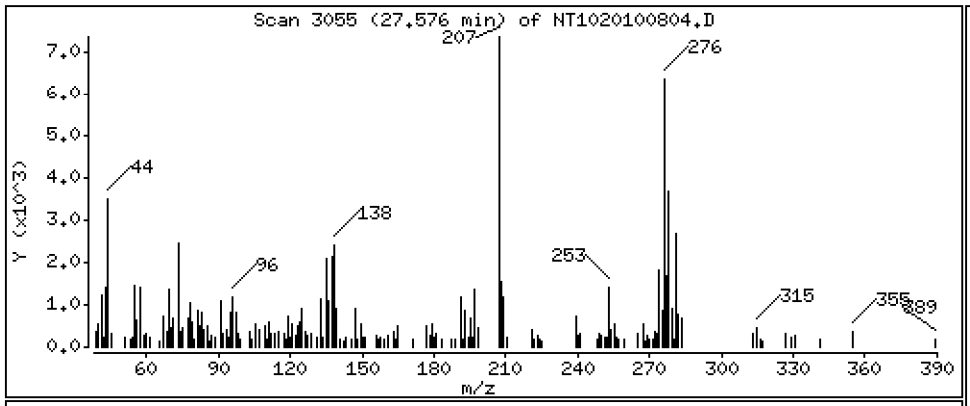
Operator: VTS

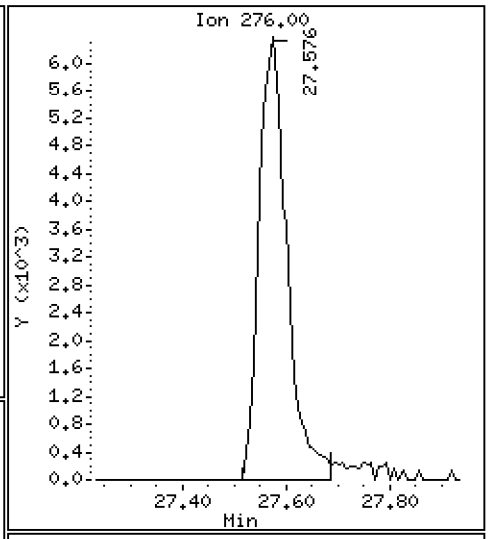
Column phase: ZB-5msi

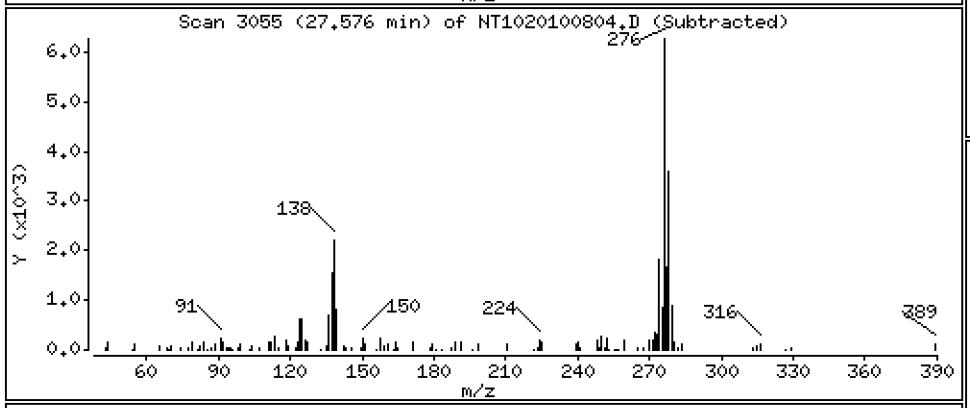
Column diameter: 0.25

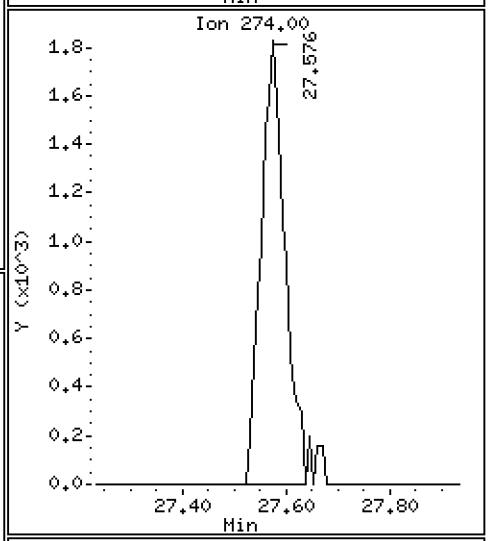
78 Indeno(1,2,3-cd)pyrene

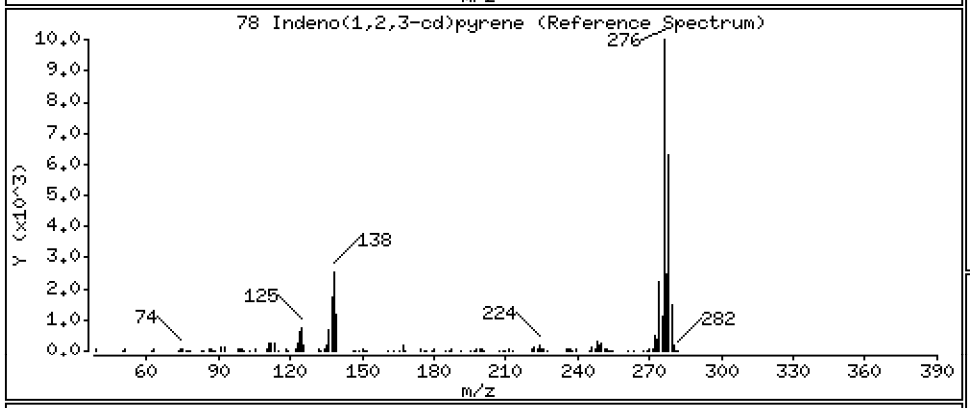
Concentration: 0.4948 ug/mL

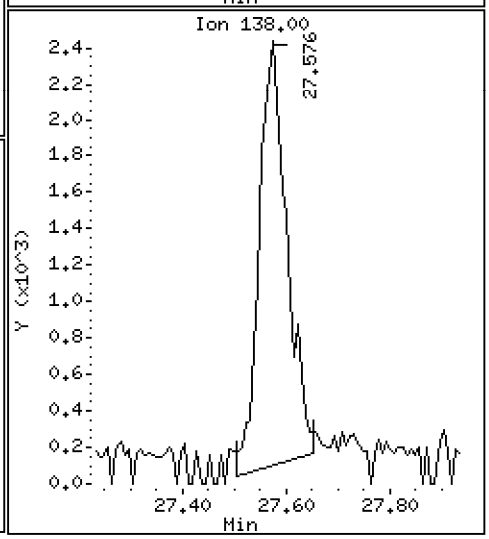


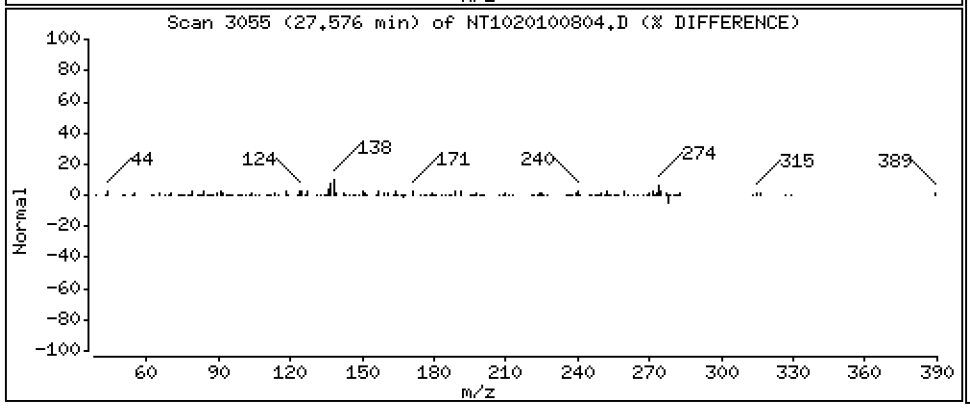












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

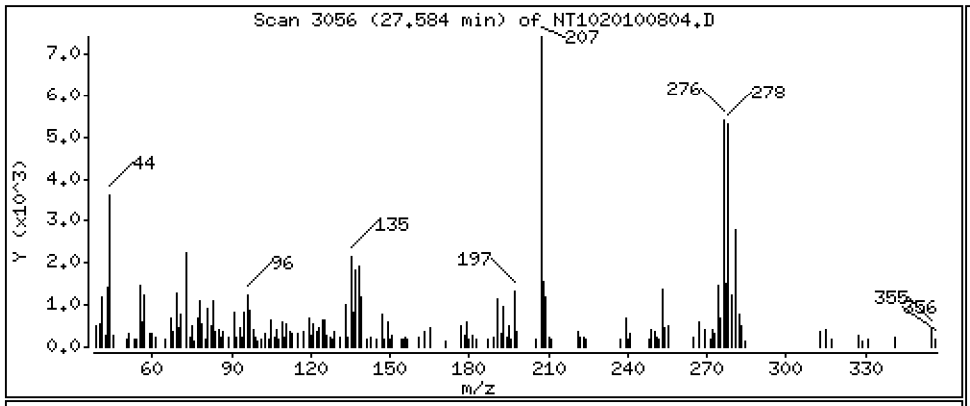
Operator: VTS

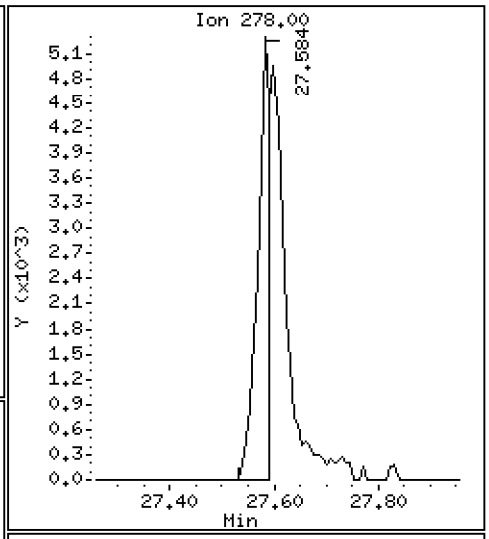
Column phase: ZB-5msi

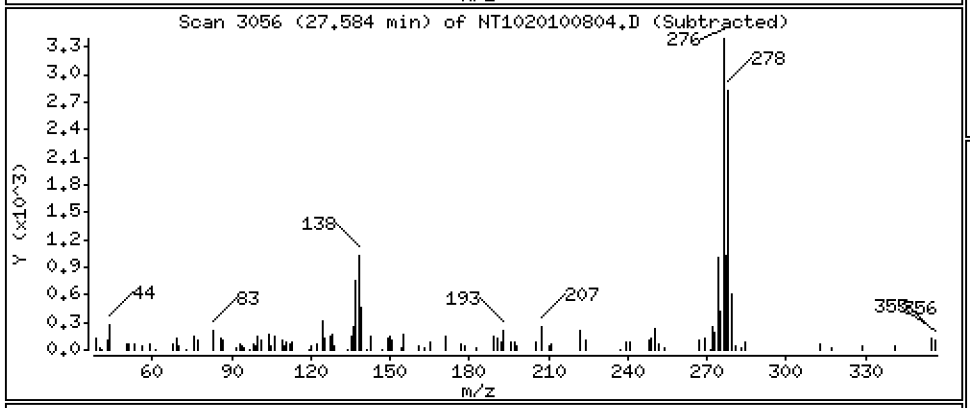
Column diameter: 0.25

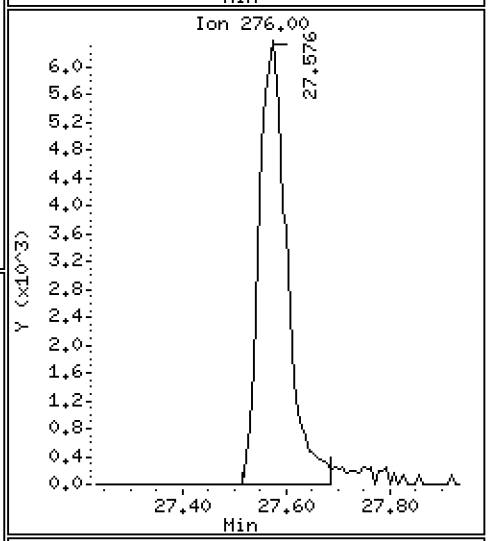
79 Dibenzo(a,h)anthracene

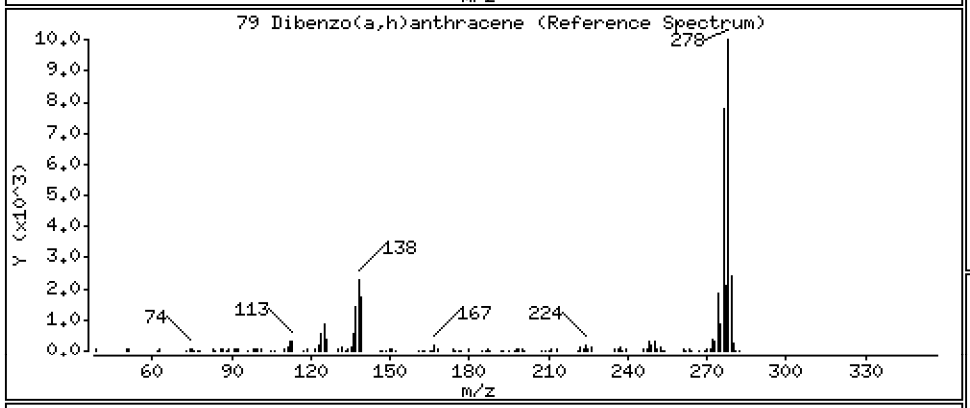
Concentration: 0.2290 ug/mL

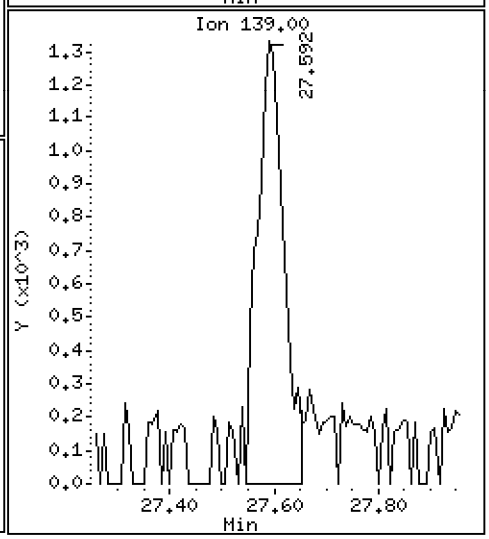


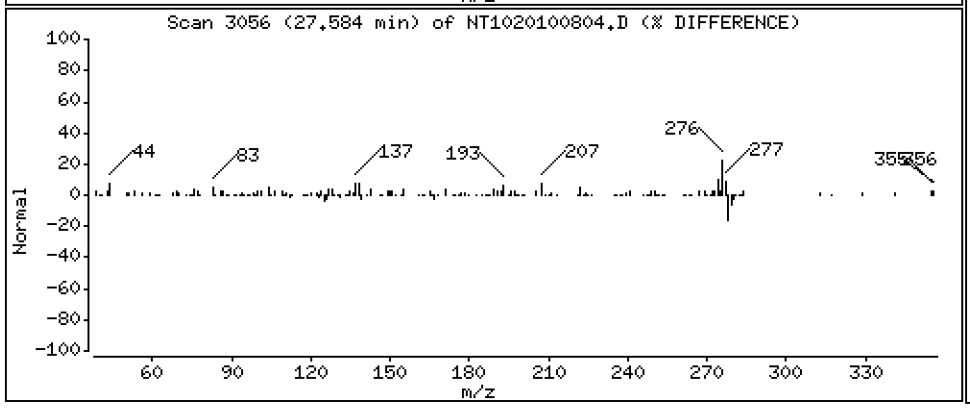












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

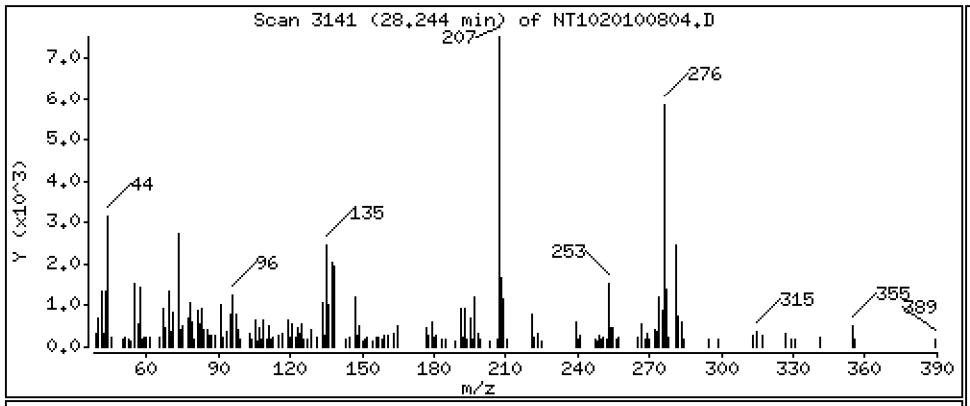
Operator: VTS

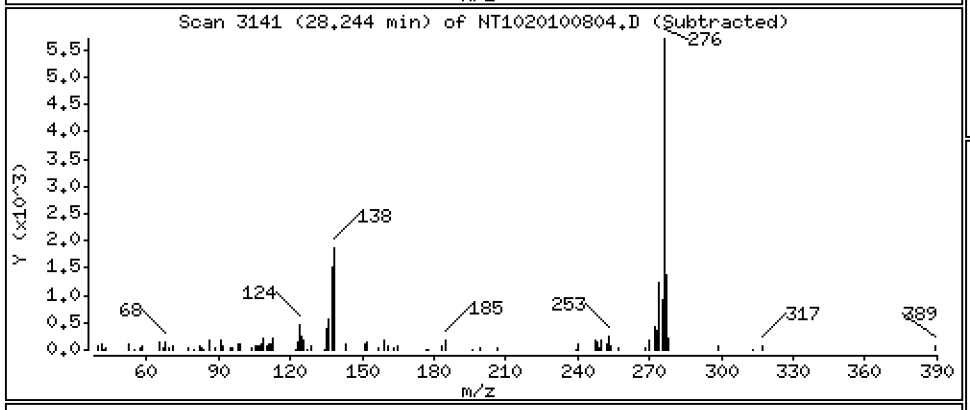
Column phase: ZB-5msi

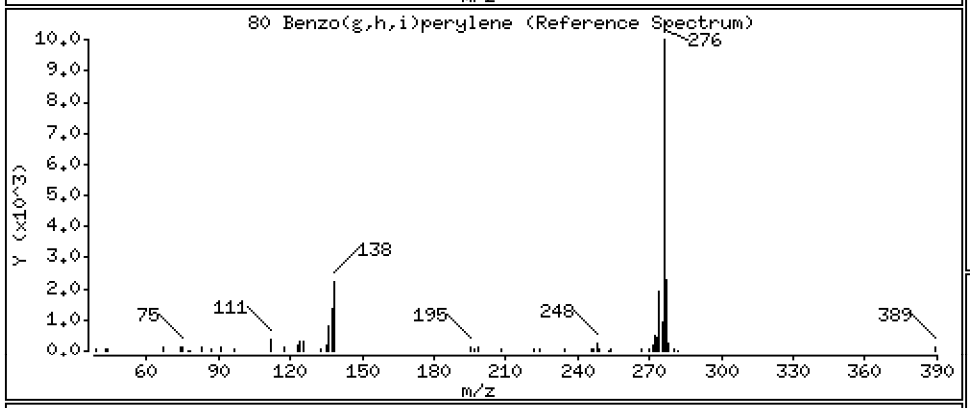
Column diameter: 0.25

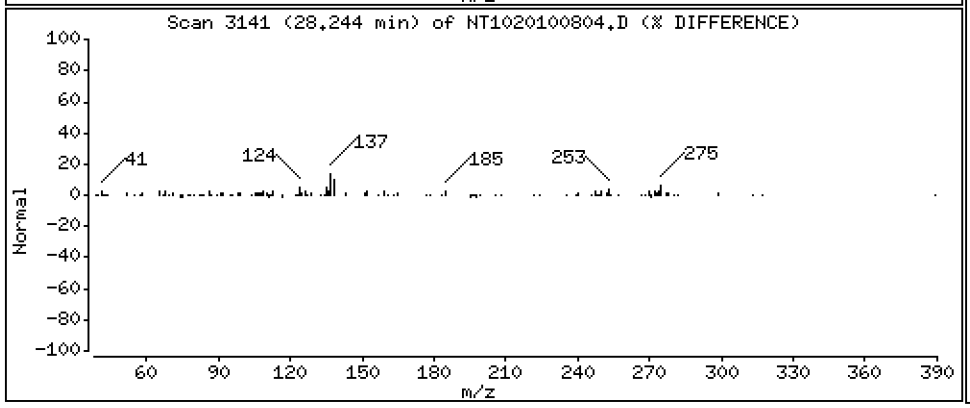
80 Benzo(g,h,i)perylene

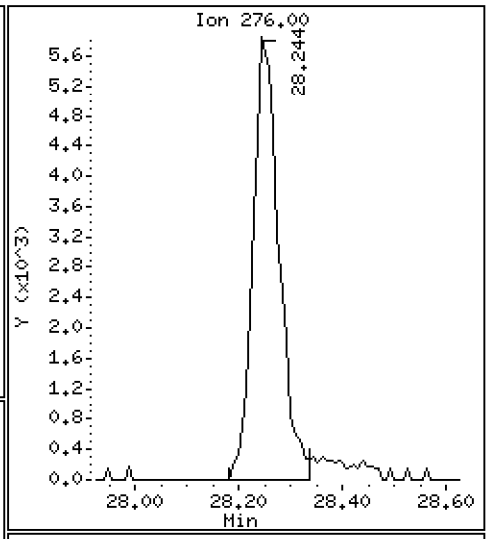
Concentration: 0.5324 ug/mL

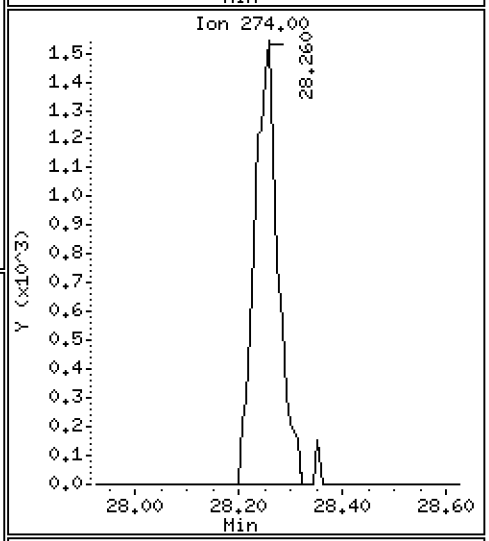


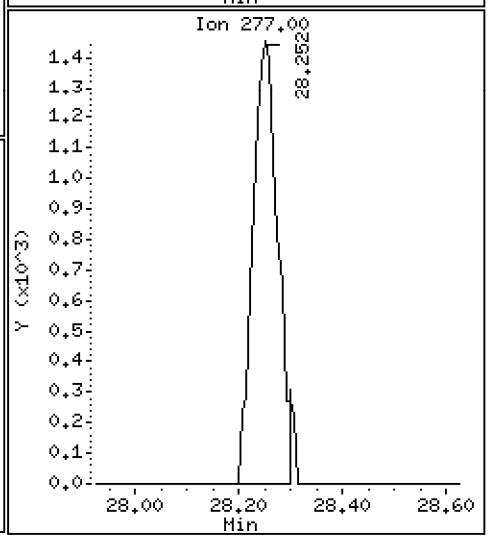












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

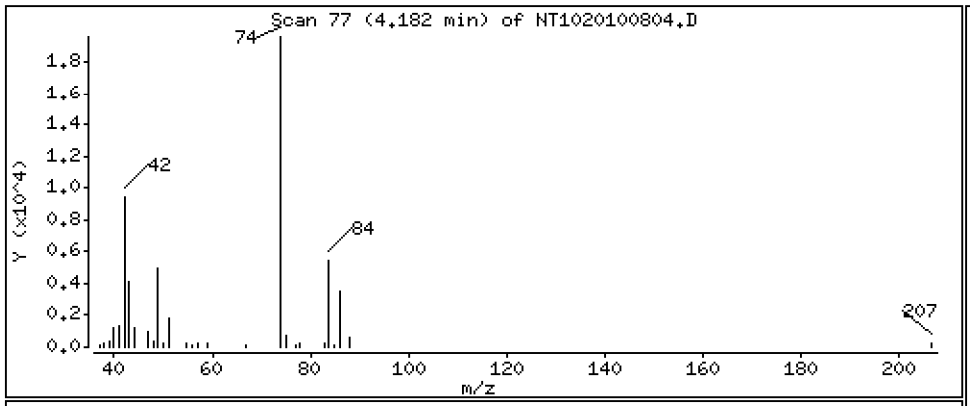
Operator: VTS

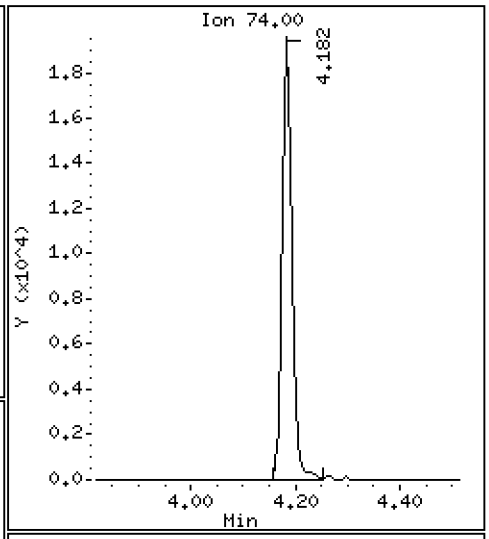
Column phase: ZB-5msi

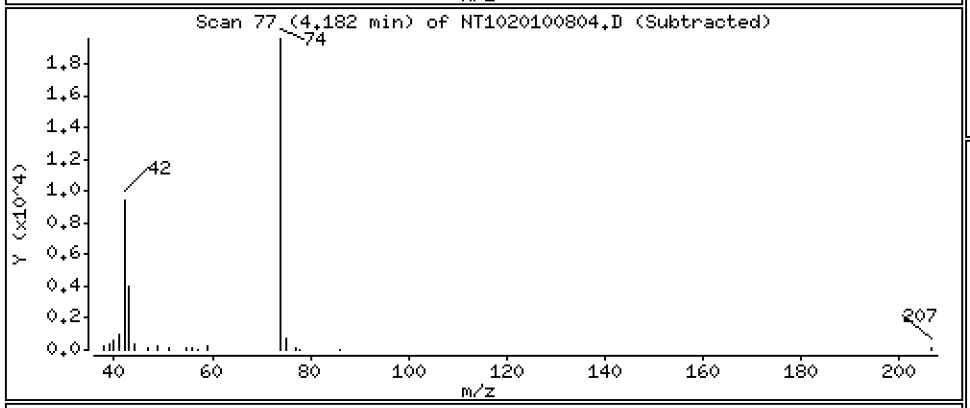
Column diameter: 0.25

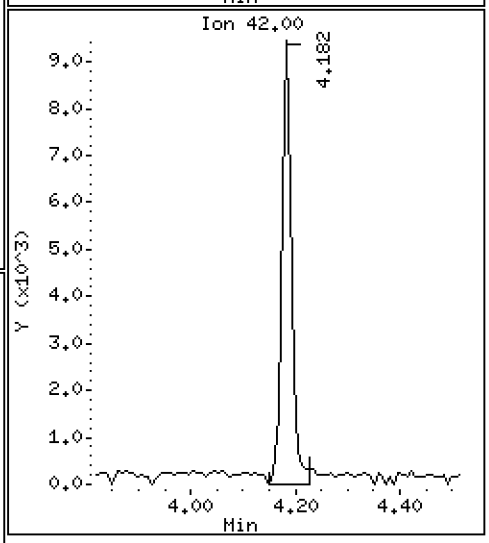
90 N-Nitrosodimethylamine

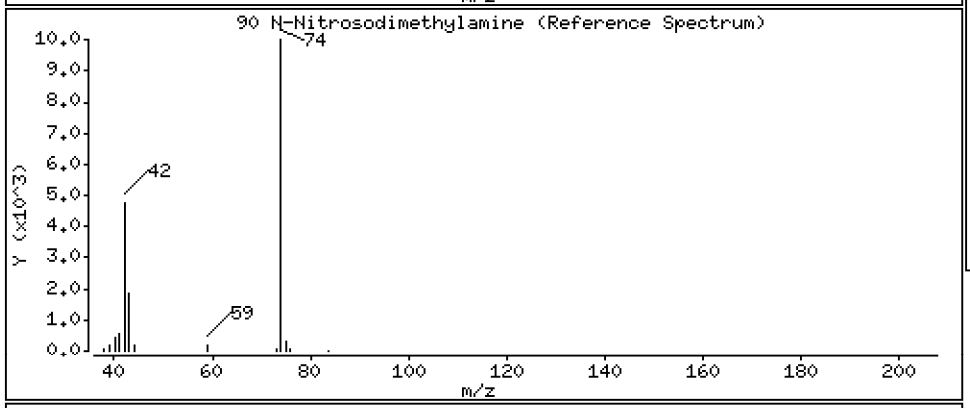
Concentration: 0.9430 ug/mL

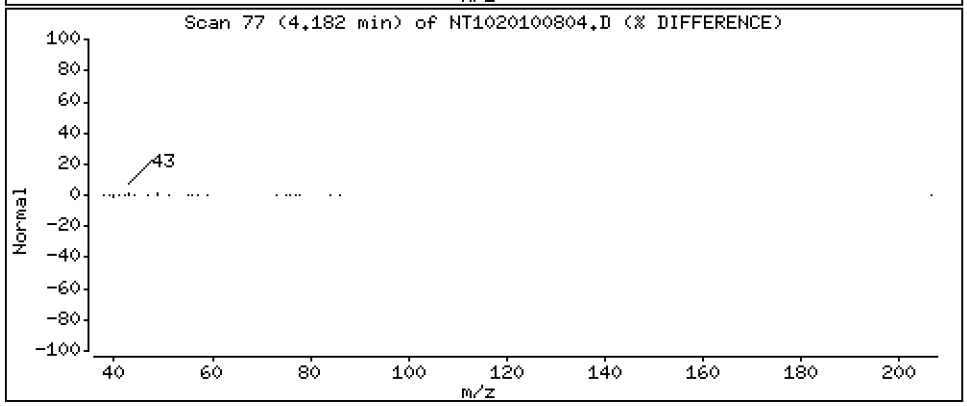












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

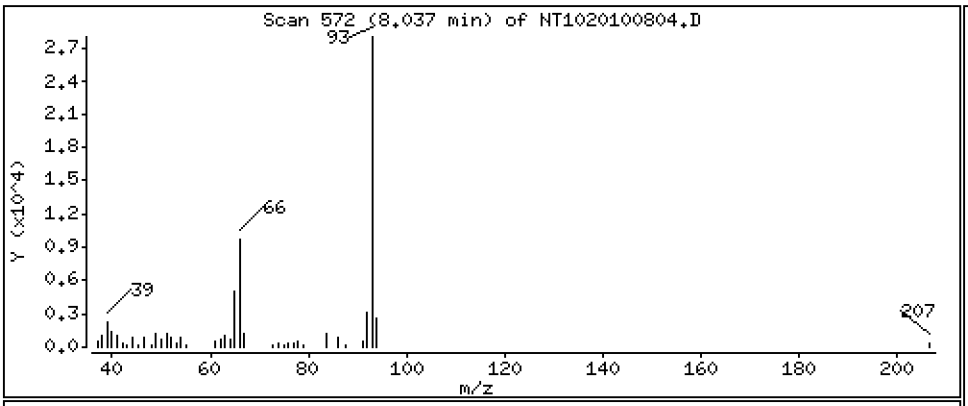
Operator: VTS

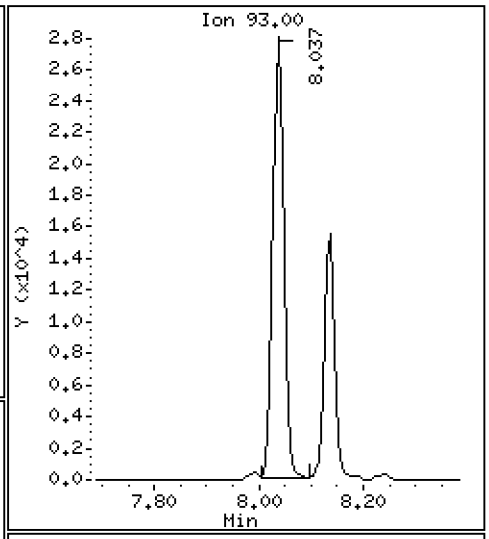
Column phase: ZB-5msi

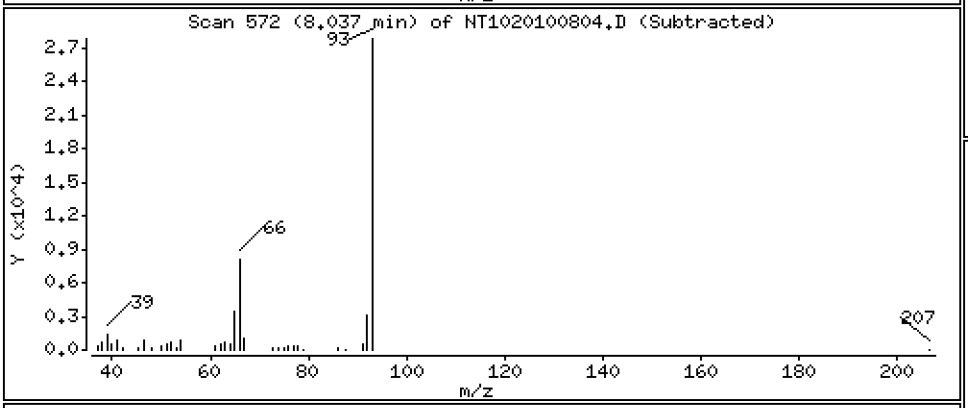
Column diameter: 0.25

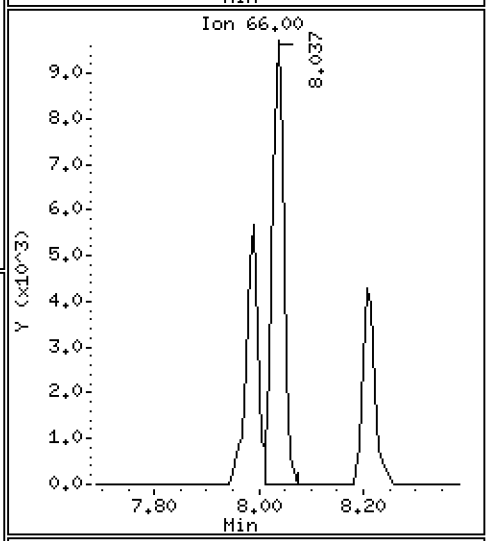
91 Aniline

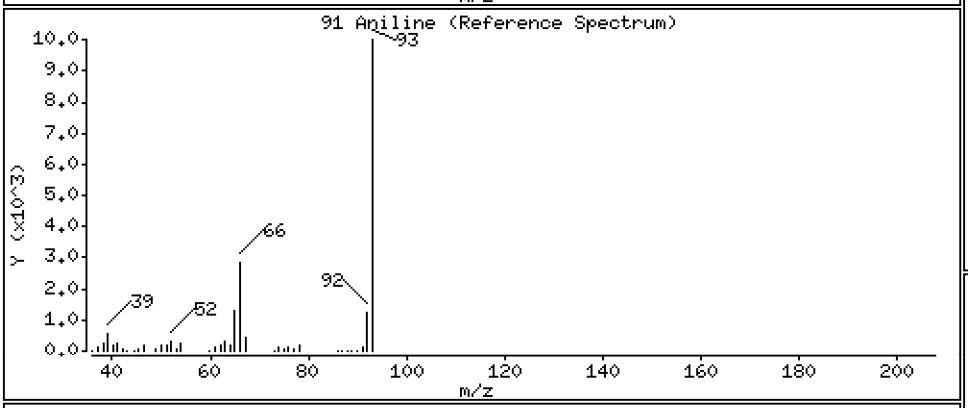
Concentration: 1.008 ug/mL

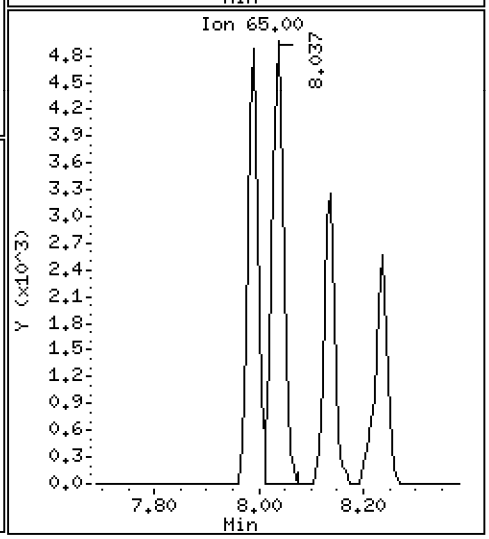


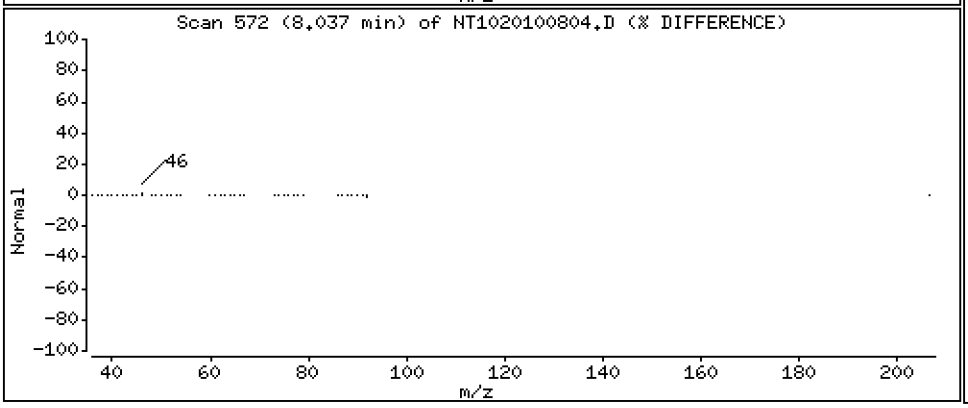












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

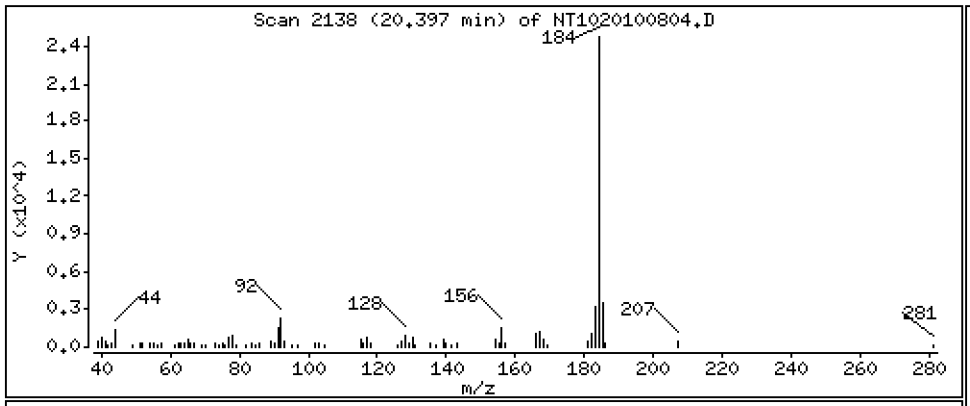
Operator: VTS

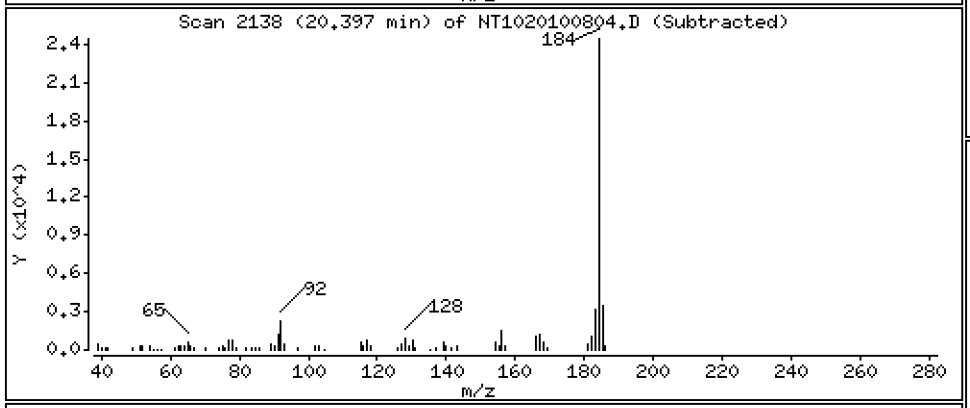
Column phase: ZB-5msi

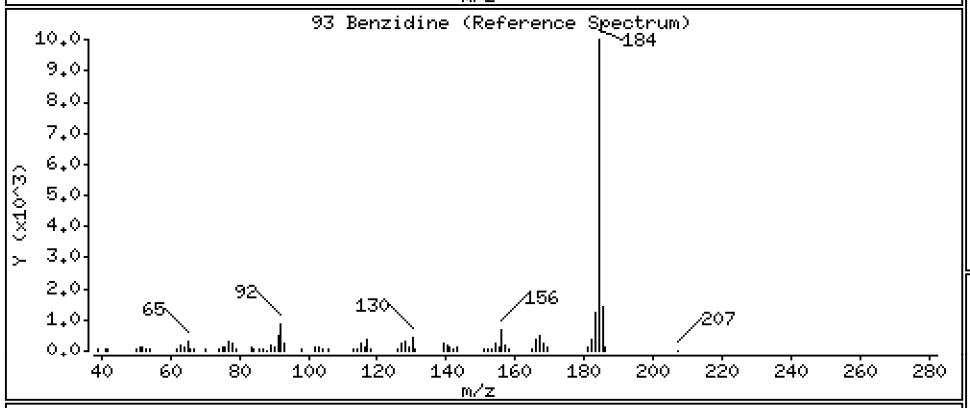
Column diameter: 0.25

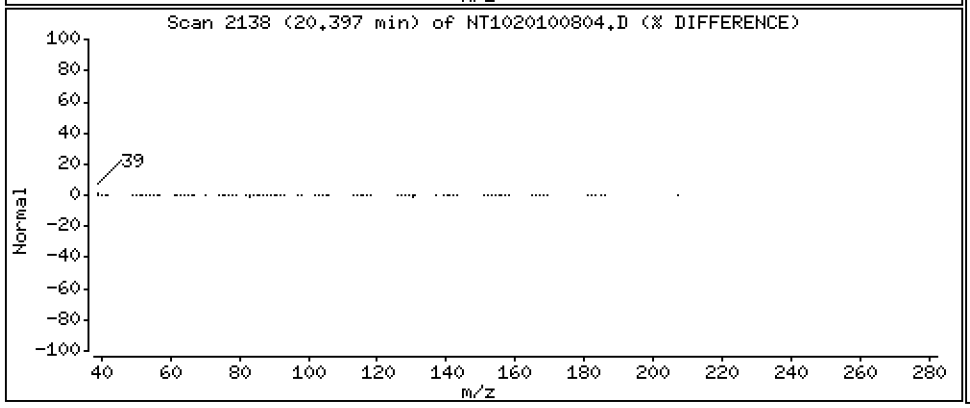
93 Benzidine

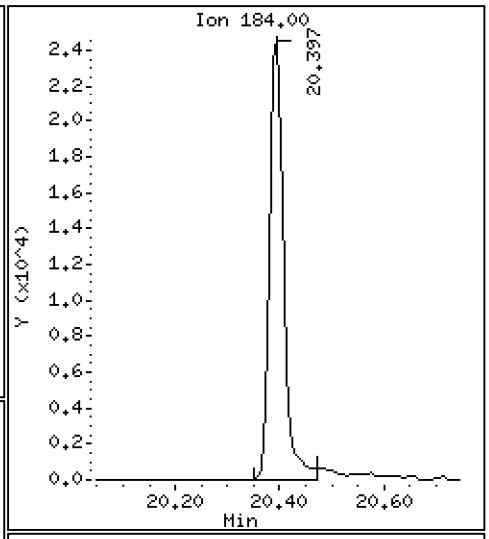
Concentration: 0.9088 ug/mL

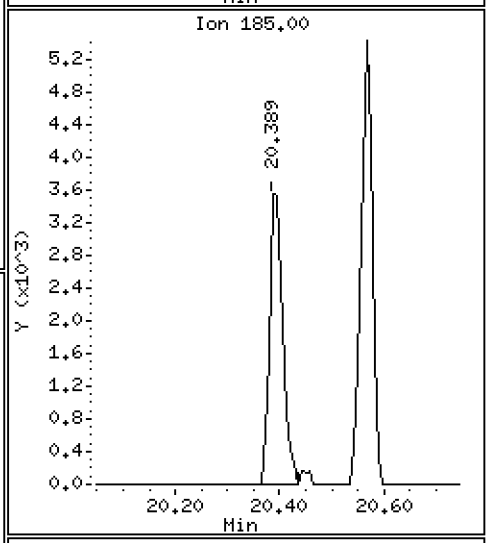


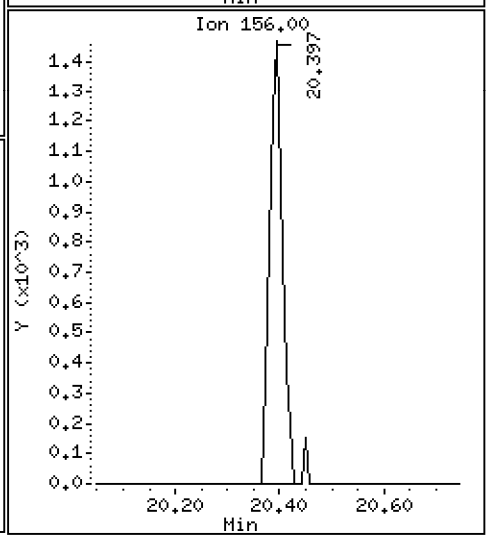












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

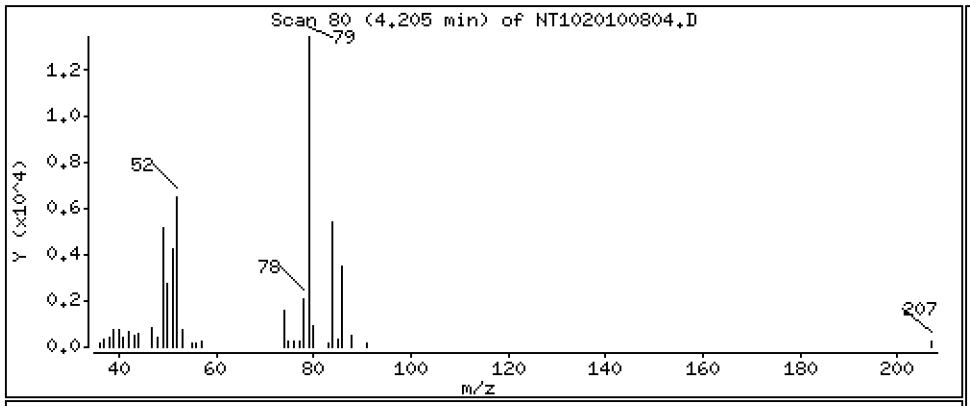
Operator: VTS

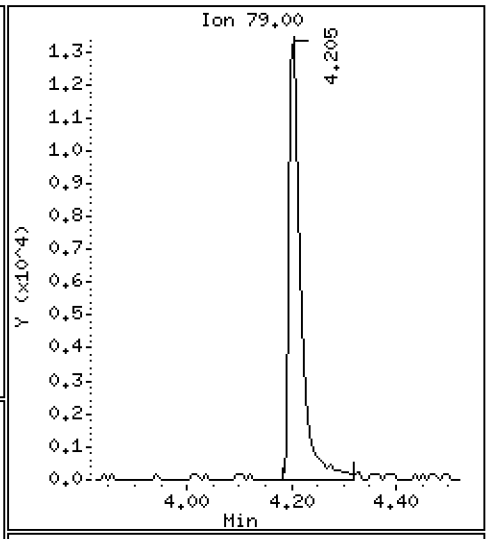
Column phase: ZB-5msi

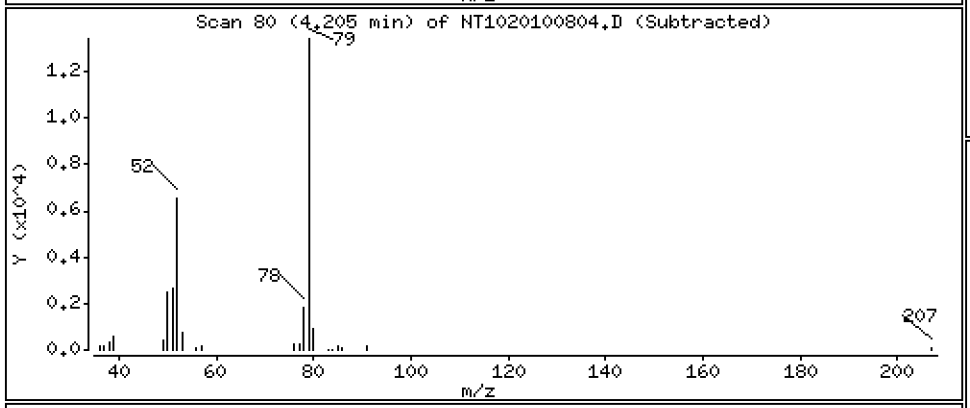
Column diameter: 0.25

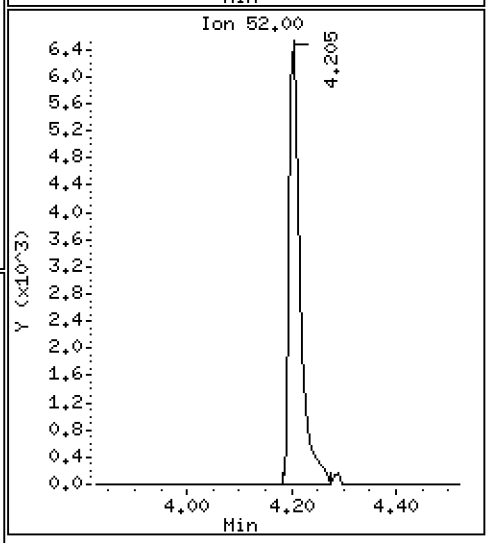
103 Pyridine

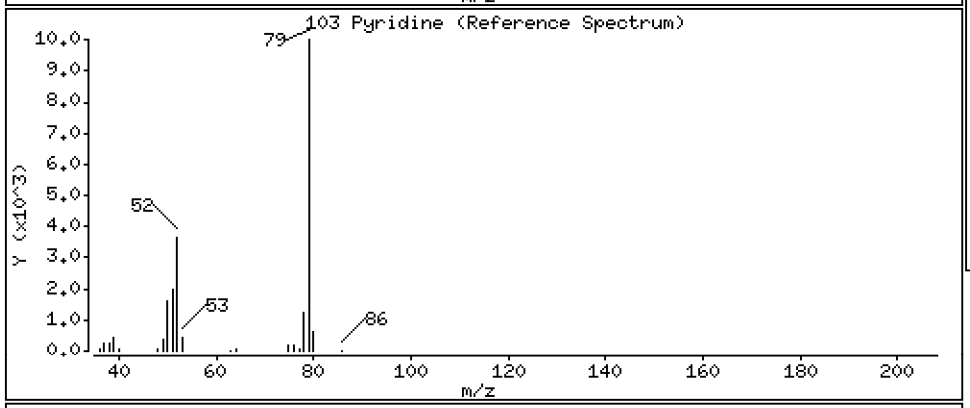
Concentration: 0.5397 ug/mL

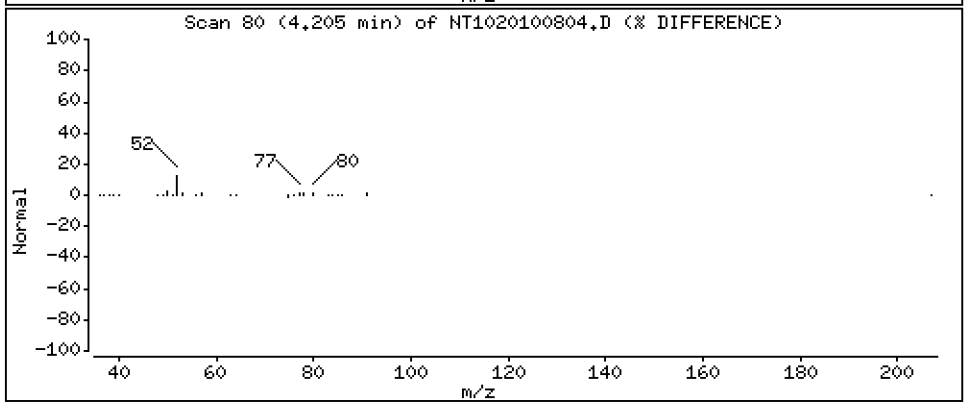












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

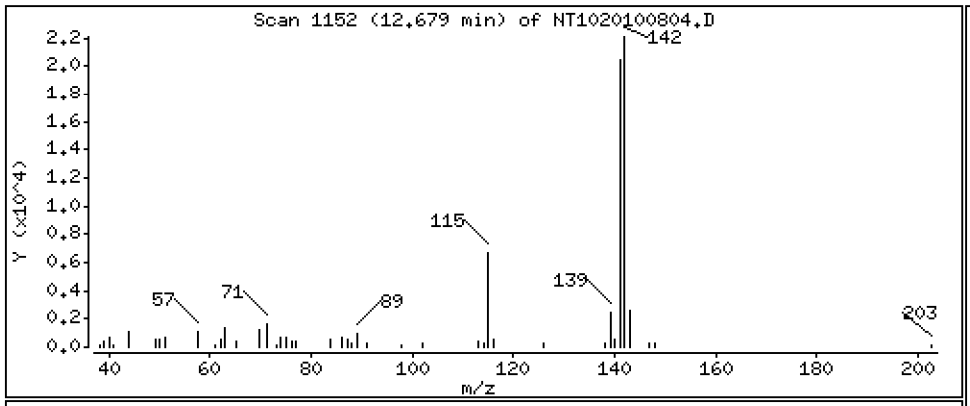
Operator: VTS

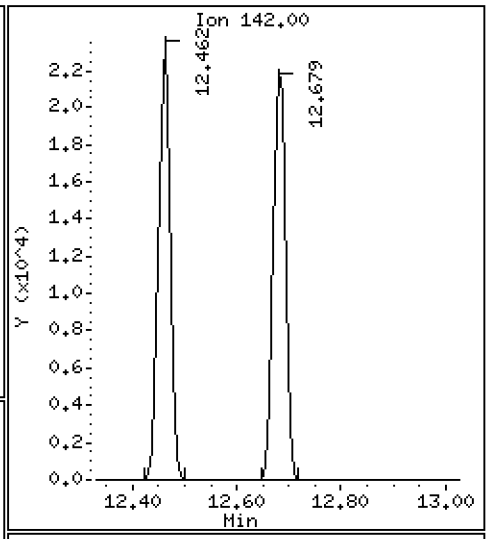
Column phase: ZB-5msi

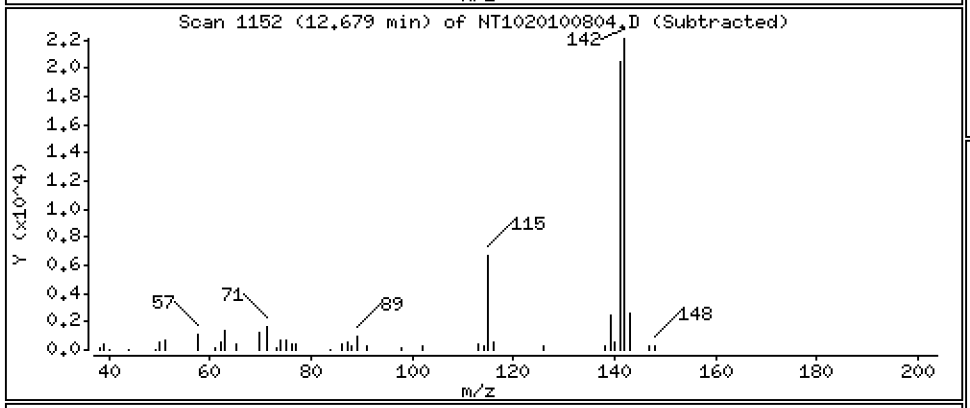
Column diameter: 0.25

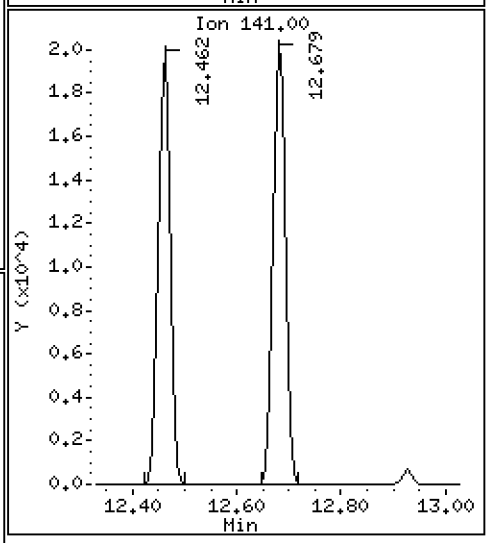
105 1-methylnaphthalene

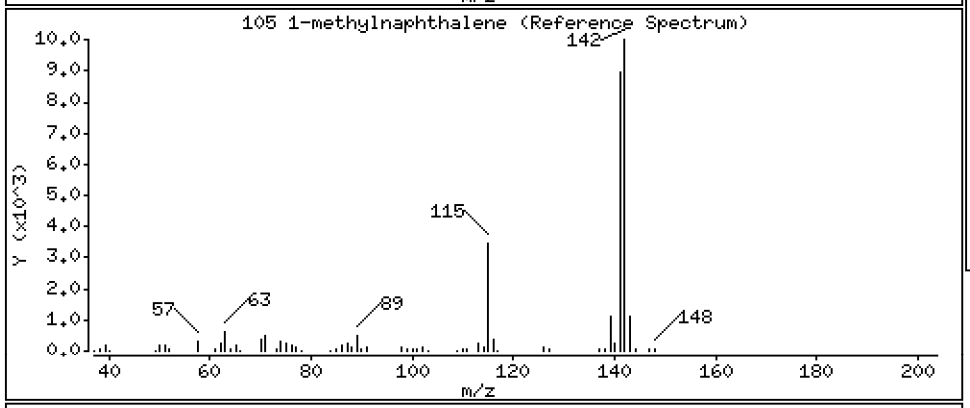
Concentration: 0.4637 ug/mL

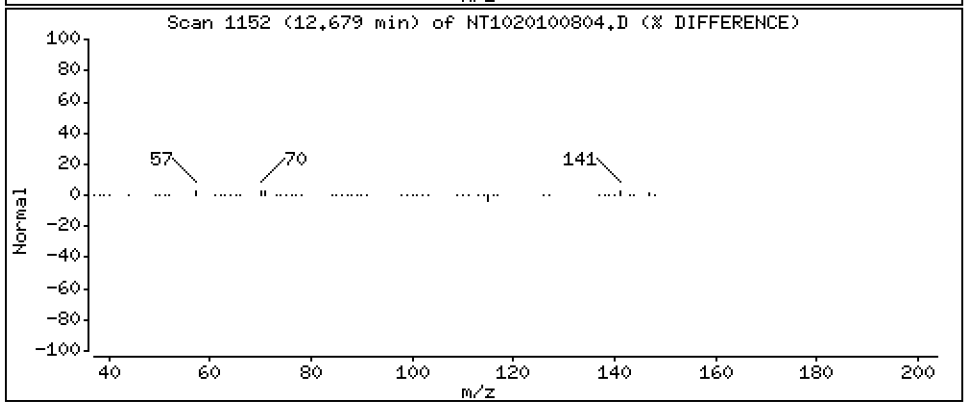












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

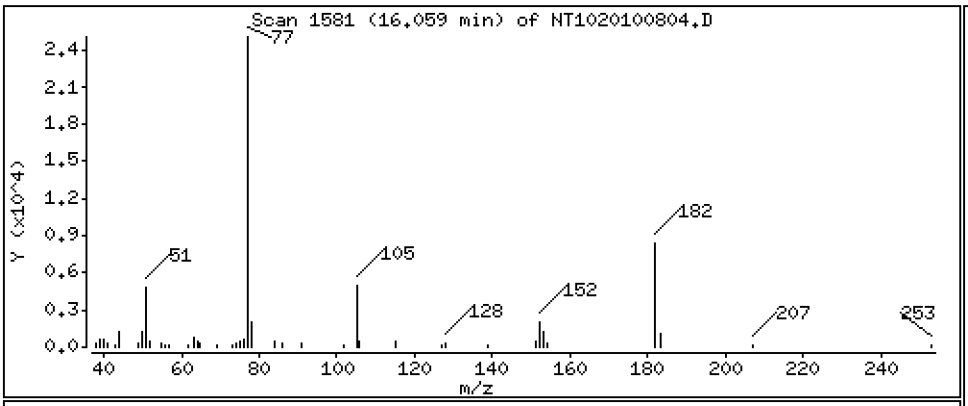
Operator: VTS

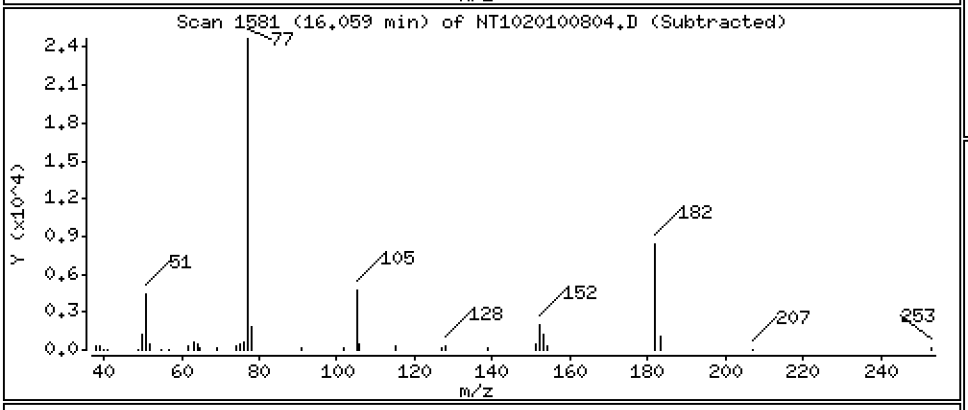
Column phase: ZB-5msi

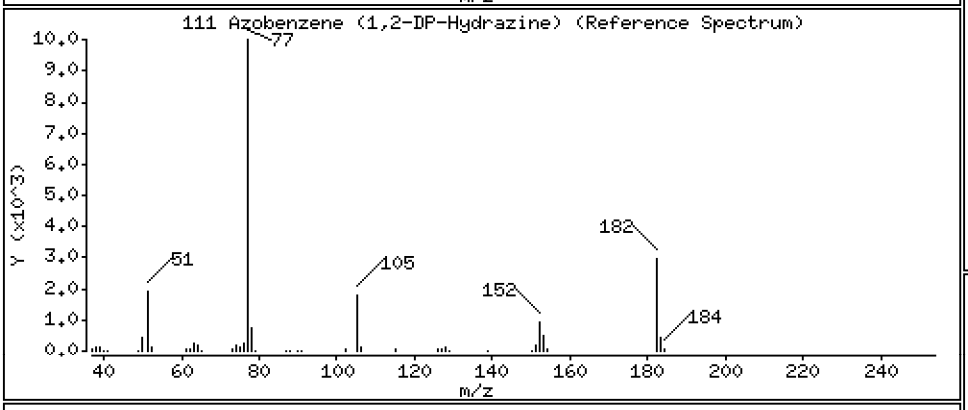
Column diameter: 0.25

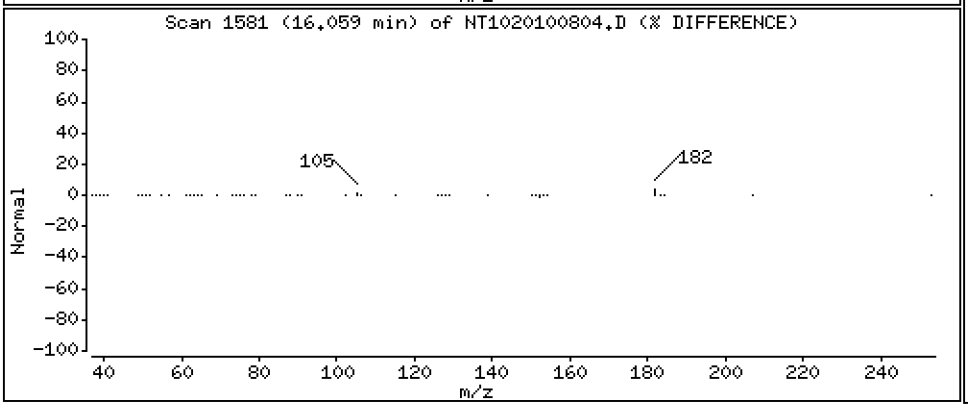
111 Azobenzene (1,2-DP-Hydrazine)

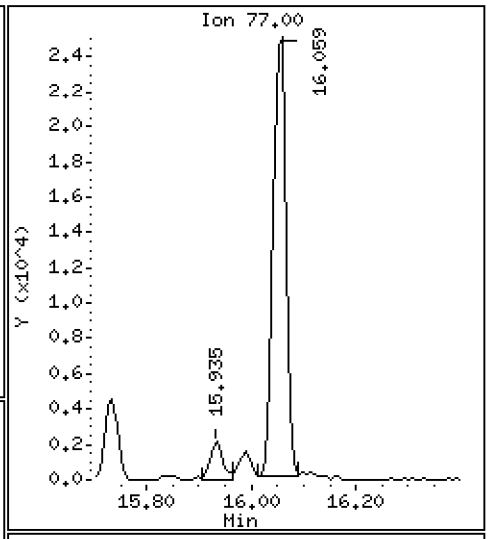
Concentration: 0.5133 ug/mL

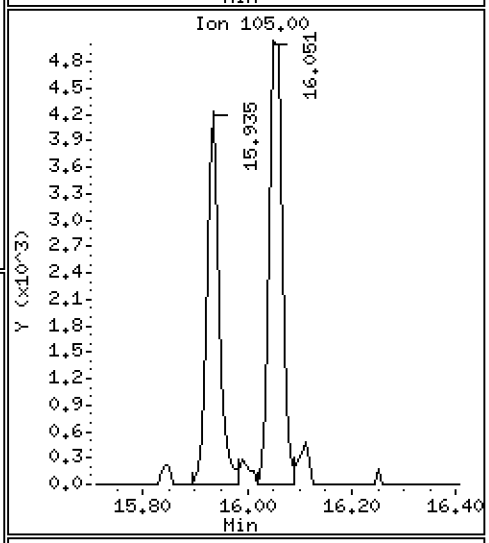


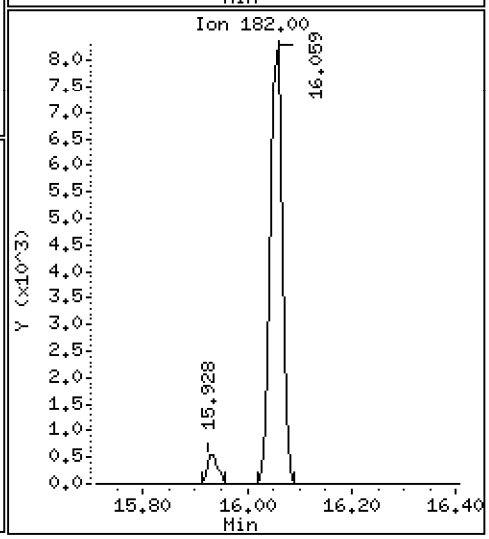












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

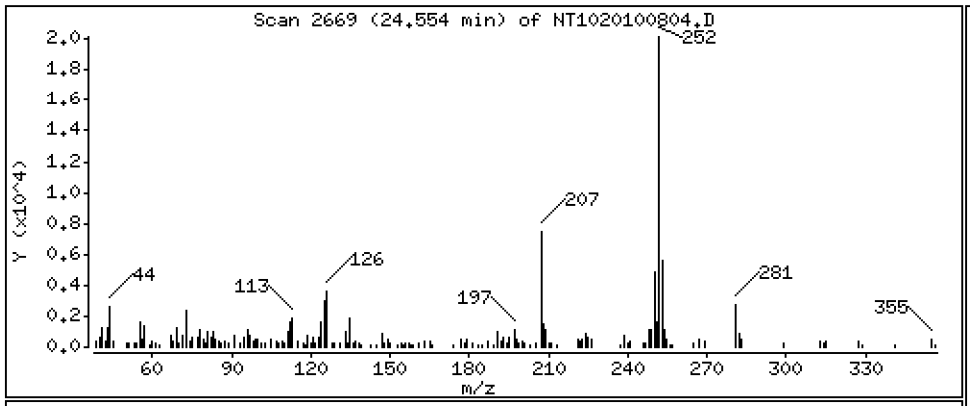
Operator: VTS

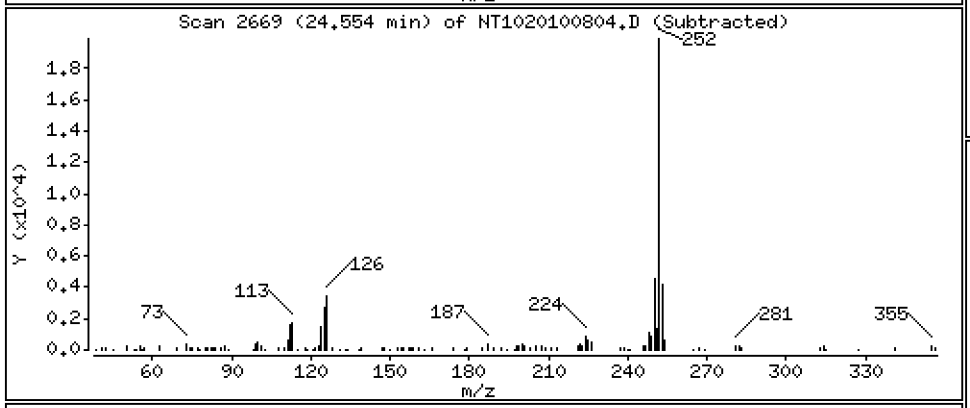
Column phase: ZB-5msi

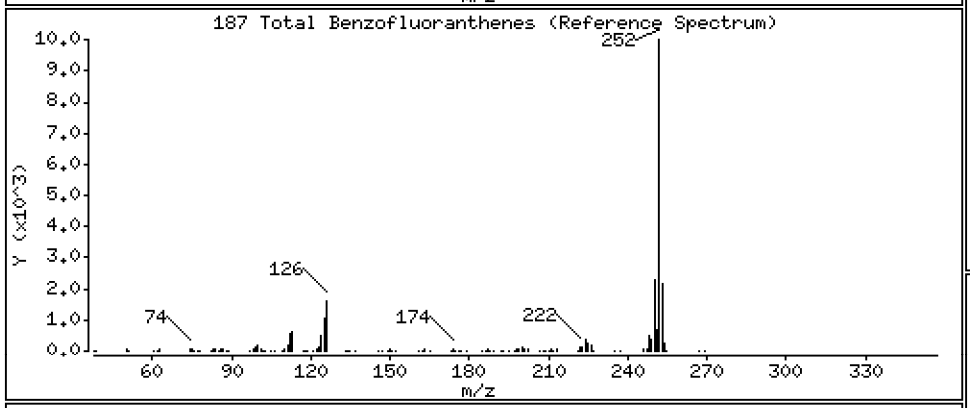
Column diameter: 0.25

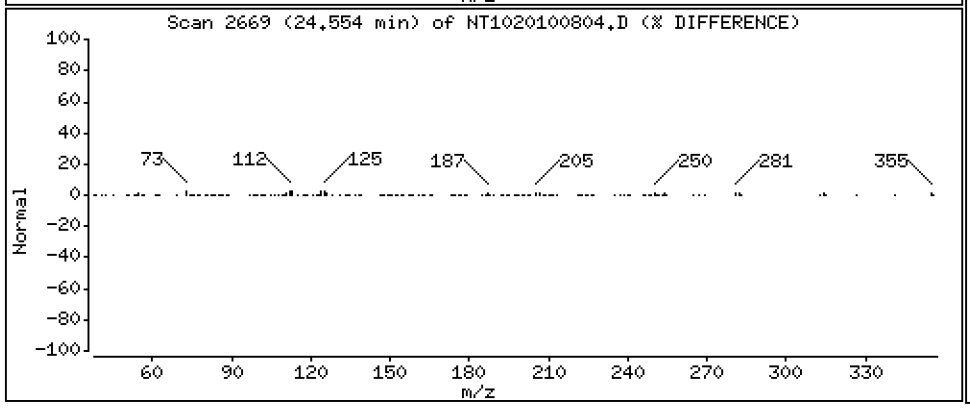
187 Total Benzofluoranthenes

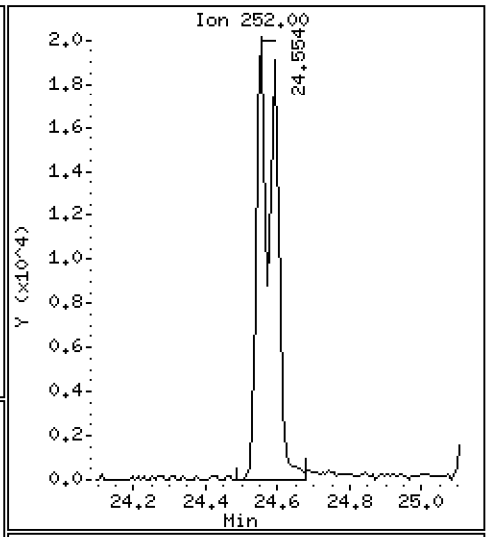
Concentration: 1.026 ug/mL

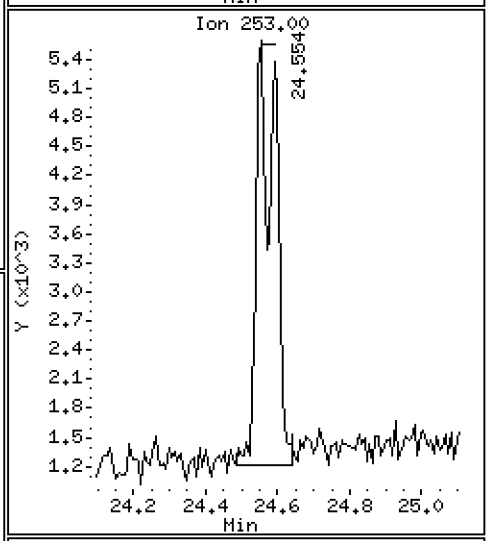


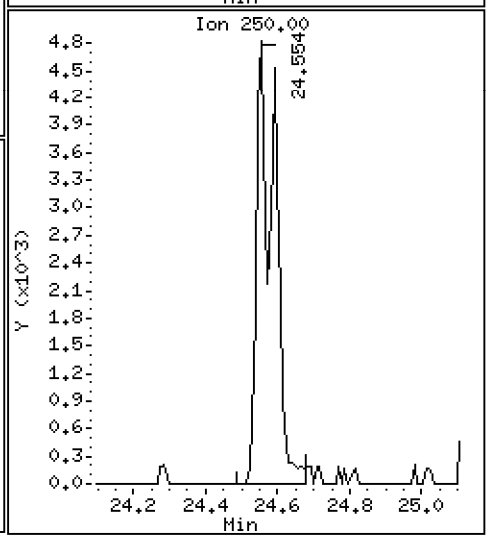












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

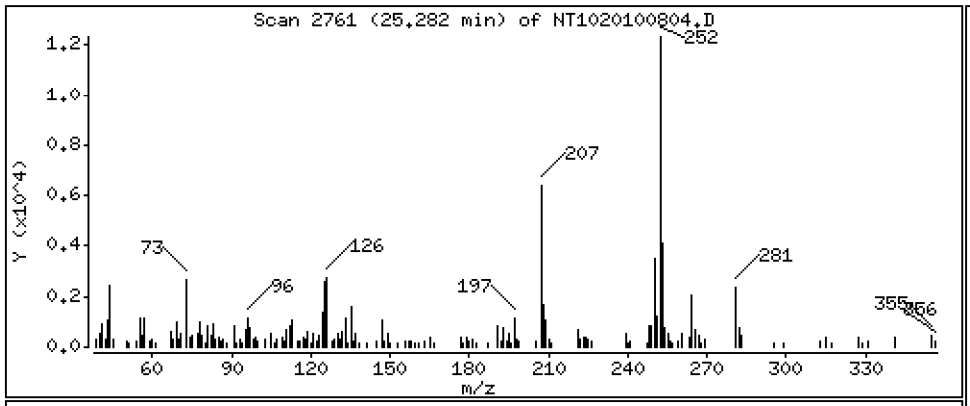
Client ID: Instrument: nt10.i

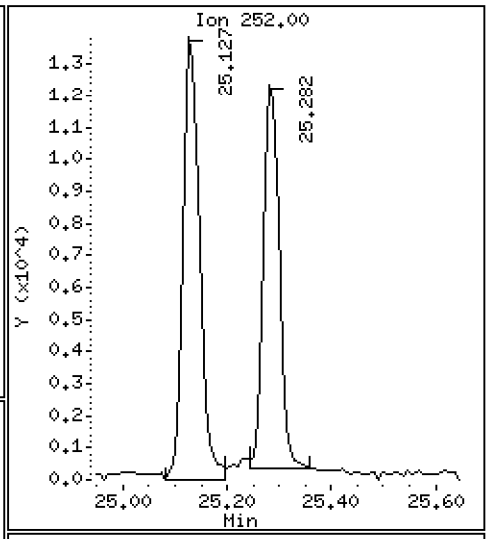
Sample Info: SIJ0109-LCV1

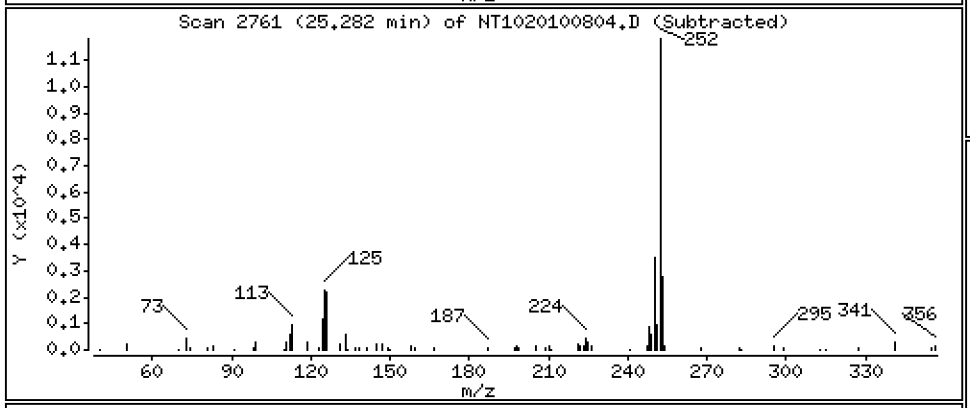
Operator: VTS

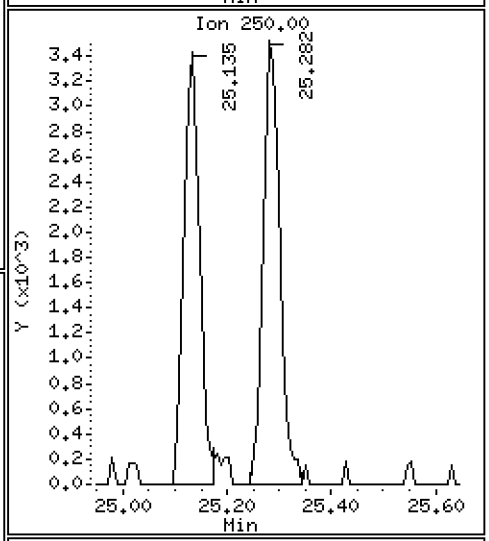
Column phase: ZB-5msi Column diameter: 0.25

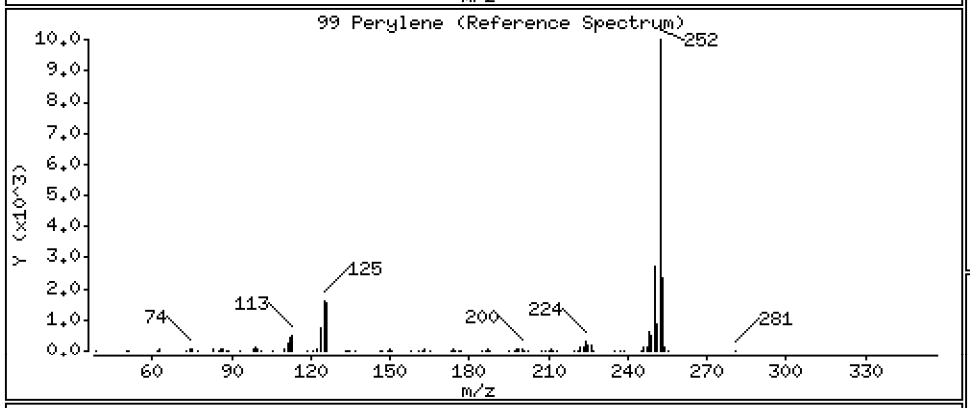
99 Perylene Concentration: 0.4893 ug/mL

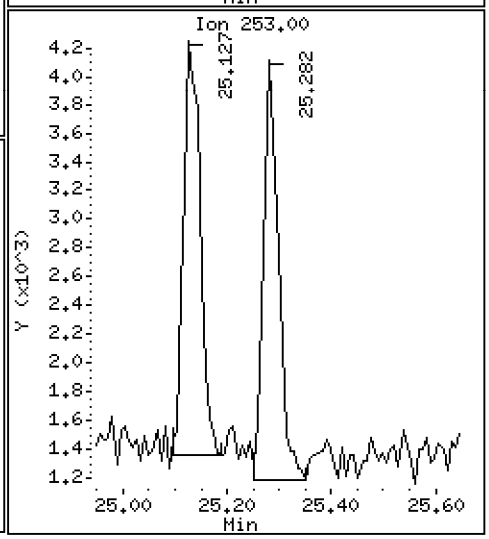


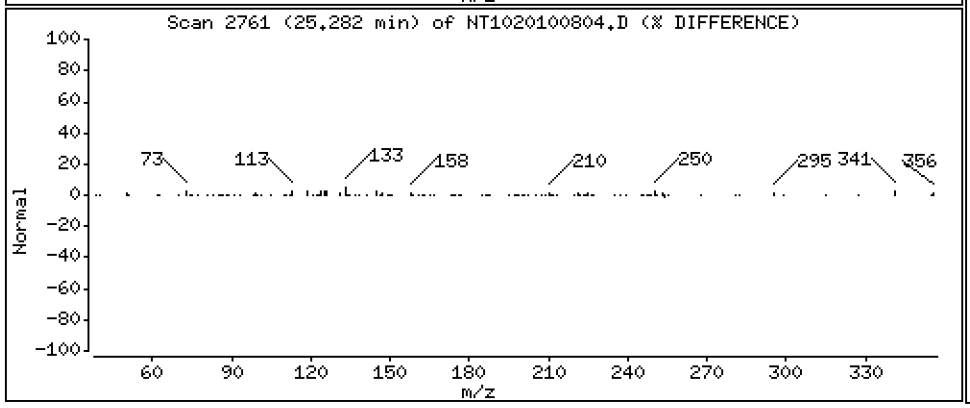












Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D

Date : 08-OCT-2020 12:27

Client ID:

Instrument: nt10.i

Sample Info: SIJ0109-LCV1

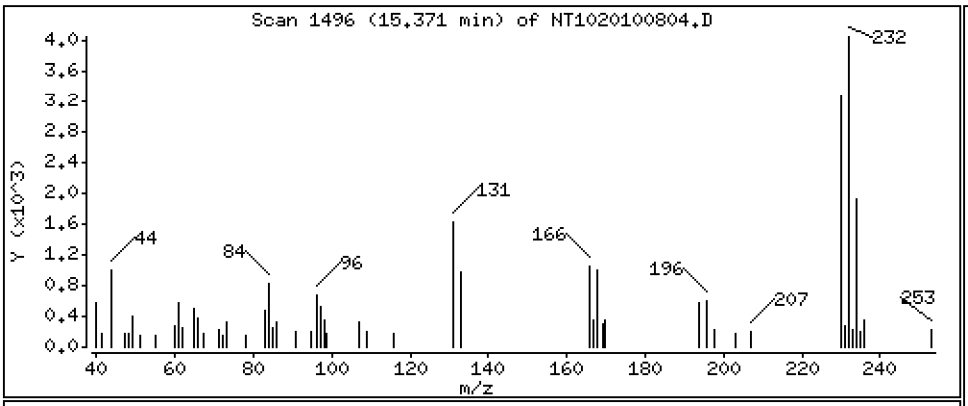
Operator: VTS

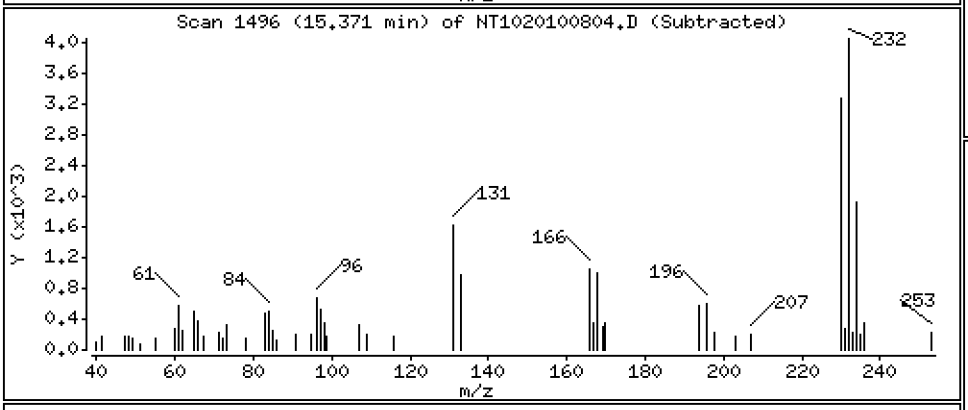
Column phase: ZB-5msi

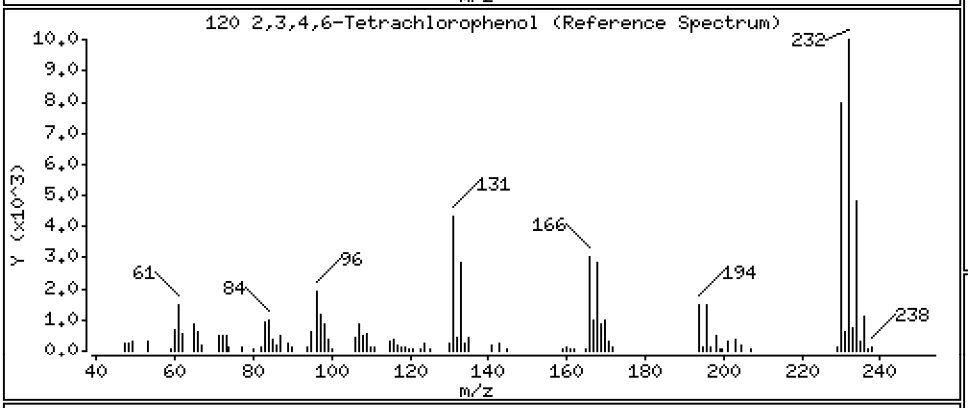
Column diameter: 0.25

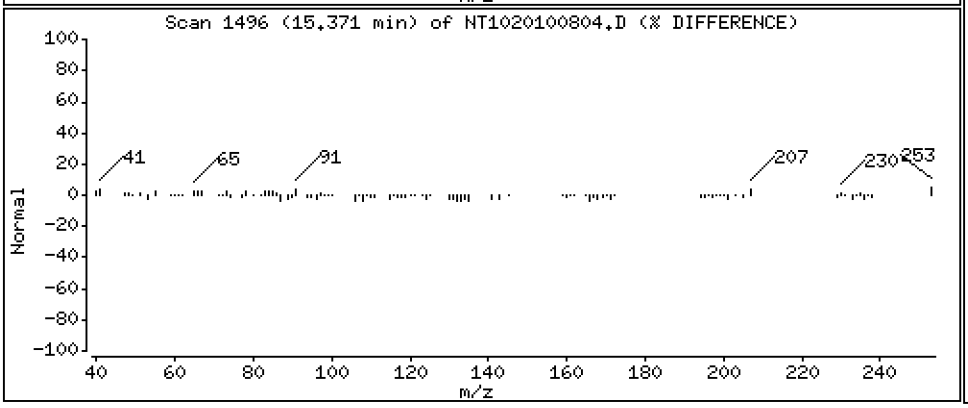
120 2,3,4,6-Tetrachlorophenol

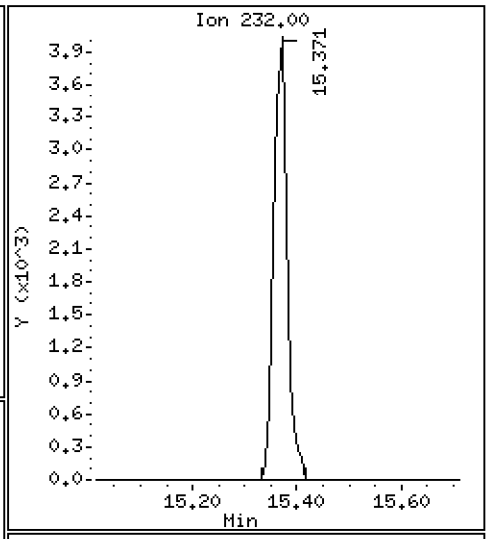
Concentration: 0.3539 ug/mL

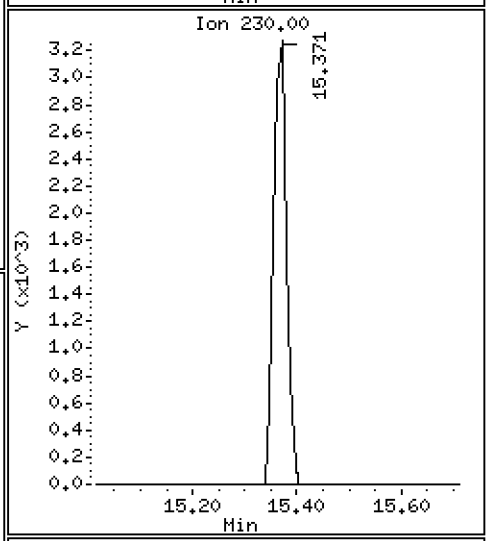


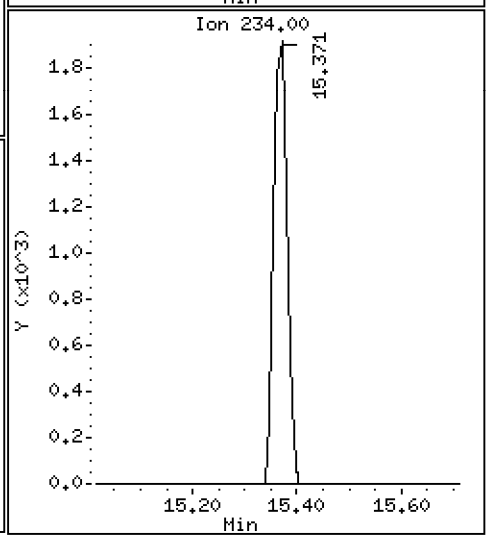












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201008.b\NT1020100804.D
Lab Smp Id: SIJ0109-LCV1
Inj Date : 08-OCT-2020 12:27
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0109-LCV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201008.b\ABN.m
Meth Date : 10-Oct-2020 18:35 nt10.i Quant Type: ISTD
Cal Date : 19-SEP-2020 17:51 Cal File: NT1020091910.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1 2-Fluorophenol	112	6.367	6.367	(0.744)	30042	0.76845	0.7685
$ 2 Phenol-d5	99	7.967	7.967	(0.930)	38987	0.71014	0.7101
3 Phenol	94	7.990	7.990	(0.933)	28496	0.52909	0.5291
$ 5 2-Chlorophenol-d4	132	8.206	8.214	(0.958)	31566	0.78272	0.7827
4 Bis(2-Chloroethyl)ether	93	8.136	8.137	(0.950)	21655	0.51595	0.5160
6 2-Chlorophenol	128	8.237	8.237	(0.962)	23689	0.53643	0.5364
7 1,3-Dichlorobenzene	146	8.500	8.500	(0.993)	23844	0.52597	0.5260
* 8 1,4-Dichlorobenzene-d4	152	8.562	8.570	(1.000)	106597	4.00000	
9 1,4-Dichlorobenzene	146	8.593	8.601	(1.004)	19742	0.50792	0.5079
$ 10 1,2-Dichlorobenzene-d4	152	8.919	8.919	(1.042)	13384	0.51190	0.5119
12 1,2-Dichlorobenzene	146	8.950	8.950	(1.045)	20717	0.50407	0.5041
11 Benzyl alcohol	108	8.849	8.857	(1.034)	11551	0.49367	0.4937
14 2,2'-oxybis(1-Chloropropane)	121	9.144	9.152	(1.068)	6717	0.48616	0.4862
13 2-Methylphenol	108	9.090	9.090	(1.062)	18196	0.53311	0.5331
17 Hexachloroethane	117	9.524	9.532	(1.112)	8178	0.48282	0.4828
16 N-Nitroso-di-n-propylamine	70	9.408	9.408	(1.099)	12936	0.51142	0.5114
15 4-Methylphenol	108	9.361	9.362	(1.093)	19027	0.52106	0.5211
$ 18 Nitrobenzene-d5	82	9.656	9.664	(0.875)	19306	0.51855	0.5185
19 Nitrobenzene	77	9.695	9.695	(0.879)	18995	0.48619	0.4862
20 Isophorone	82	10.137	10.145	(0.919)	36224	0.47078	0.4708
21 2-Nitrophenol	139	10.326	10.326	(0.936)	11092	0.47829	0.4783
22 2,4-Dimethylphenol	107	10.394	10.394	(0.942)	35997	1.09011	1.090
23 Bis(2-Chloroethoxy)methane	93	10.589	10.589	(0.960)	23257	0.57708	0.5771
24 Benzoic acid	105	10.513	10.606	(0.953)	20177	0.88720	0.8872
25 2,4-Dichlorophenol	162	10.776	10.776	(0.977)	30512	1.03096	1.031
26 1,2,4-Trichlorobenzene	180	10.953	10.953	(0.993)	17368	0.54557	0.5456
* 27 Naphthalene-d8	136	11.031	11.038	(1.000)	357768	4.00000	
28 Naphthalene	128	11.069	11.077	(1.003)	45995	0.49588	0.4959
29 4-Chloroaniline	127	11.224	11.224	(1.017)	34278	0.89176	0.8918
30 Hexachlorobutadiene	225	11.440	11.440	(1.037)	9005	0.50557	0.5056
31 4-Chloro-3-methylphenol	107	12.198	12.198	(1.106)	29962	0.94809	0.9481
32 2-Methylnaphthalene	142	12.461	12.462	(1.130)	35267	0.45645	0.4564
33 Hexachlorocyclopentadiene	237	12.926	12.926	(0.884)	8307	0.37008	0.3701

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.088	13.088	(0.895)	21352	0.95251	0.9525
	35 2,4,5-Trichlorophenol	196	13.166	13.166	(0.900)	24147	0.98875	0.9887
$	36 2-Fluorobiphenyl	172	13.251	13.251	(0.906)	40883	0.52563	0.5256
	37 2-Chloronaphthalene	162	13.444	13.444	(0.920)	34089	0.48560	0.4856
	38 2-Nitroaniline	65	13.723	13.723	(0.939)	16718	0.91277	0.9128
	39 Dimethylphthalate	163	14.164	14.164	(0.969)	38297	0.56055	0.5606
	40 Acenaphthylene	152	14.311	14.311	(0.979)	54543	0.53265	0.5327
	41 2,6-Dinitrotoluene	165	14.303	14.304	(0.978)	16509	1.05791	1.058
*	42 Acenaphthene-d10	164	14.621	14.621	(1.000)	173927	4.00000	
	43 3-Nitroaniline	138	14.582	14.582	(0.997)	17031	0.94706	0.9471
	44 Acenaphthene	153	14.690	14.690	(1.005)	28763	0.49231	0.4923
	45 2,4-Dinitrophenol	184	14.798	14.791	(1.012)	3551	0.35080	0.3508
	46 Dibenzofuran	168	15.015	15.015	(1.027)	40801	0.47799	0.4780
	47 4-Nitrophenol	109	14.938	14.930	(1.022)	3862	0.64462	0.6446
	48 2,4-Dinitrotoluene	165	15.100	15.100	(1.033)	18000	0.87149	0.8715
	50 Diethylphthalate	149	15.618	15.618	(1.068)	34231	0.54791	0.5479
	49 Fluorene	166	15.726	15.726	(1.076)	36370	0.51442	0.5144
	51 4-Chlorophenyl-phenylether	204	15.734	15.734	(1.076)	17333	0.50786	0.5079
	52 4-Nitroaniline	138	15.842	15.842	(1.084)	21962	1.22281	1.223
	53 4,6-Dinitro-2-methylphenol	198	15.935	15.935	(0.903)	18278	1.18197	1.182
	54 N-Nitrosodiphenylamine	169	15.989	15.989	(0.906)	22749	0.53728	0.5373
$	55 2,4,6-Tribromophenol	330	16.266	16.259	(1.113)	8113	0.66572	0.6657
	56 4-Bromophenyl-phenylether	248	16.737	16.729	(0.948)	14305	0.49777	0.4978
	57 Hexachlorobenzene	284	17.030	17.030	(0.965)	15813	0.55932	0.5593
	58 Pentachlorophenol	266	17.402	17.402	(0.986)	4038	0.34523	0.3452
*	59 Phenanthrene-d10	188	17.650	17.650	(1.000)	326115	4.00000	
	60 Phenanthrene	178	17.696	17.696	(1.003)	41606	0.48381	0.4838
	61 Anthracene	178	17.789	17.789	(1.008)	42602	0.46087	0.4609
	62 Carbazole	167	18.137	18.137	(1.028)	41249	0.44227	0.4423
	63 Di-n-butylphthalate	149	18.988	18.988	(1.076)	56821	0.47326	0.4733
	64 Fluoranthene	202	20.118	20.126	(0.883)	53734	0.44287	0.4429
	65 Pyrene	202	20.551	20.551	(0.902)	56645	0.45960	0.4596
$	66 Terphenyl-d14	244	20.868	20.868	(0.916)	41230	0.50106	0.5011
	67 Butylbenzylphthalate	149	21.828	21.836	(0.959)	22871	0.51678	0.5168
	68 Benzo(a)anthracene	228	22.742	22.750	(0.999)	45372	0.52319	0.5232
*	69 Chrysene-d12	240	22.773	22.781	(1.000)	223858	4.00000	
	70 3,3'-Dichlorobenzidine	252	22.727	22.734	(0.998)	44408	1.40532	1.405
	71 Chrysene	228	22.819	22.827	(1.002)	33765	0.48497	0.4850
	72 bis(2-Ethylhexyl)phthalate	149	22.889	22.889	(0.959)	28629	0.51068	0.5107
*	134 Di-n-octylphthalate-d4	153	23.872	23.880	(1.000)	396555	4.00000	
	73 Di-n-octylphthalate	149	23.888	23.896	(1.001)	52620	0.51018	0.5102
	74 Benzo(b)fluoranthene	252	24.554	24.561	(0.973)	33532	0.48215	0.4822
	75 Benzo(k)fluoranthene	252	24.592	24.600	(0.975)	38170	0.54544	0.5454
	76 Benzo(a)pyrene	252	25.127	25.142	(0.996)	29901	0.51679	0.5168
*	77 Perylene-d12	264	25.235	25.243	(1.000)	183338	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	27.576	27.584	(1.093)	23702	0.49477	0.4948
	79 Dibenzo(a,h)anthracene	278	27.583	27.607	(1.093)	8926	0.22898	0.2290
	80 Benzo(g,h,i)perylene	276	28.244	28.275	(1.119)	20852	0.53237	0.5324
	90 N-Nitrosodimethylamine	74	4.181	4.166	(0.488)	26595	0.94305	0.9430
	91 Aniline	93	8.036	8.036	(0.939)	38378	1.00848	1.008
	93 Benzidine	184	20.396	20.396	(0.896)	44666	0.90876	0.9088
	103 Pyridine	79	4.205	4.174	(0.491)	22503	0.53974	0.5397
	105 1-methylnaphthalene	142	12.678	12.678	(1.149)	34577	0.46366	0.4637
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.058	16.051	(1.098)	40624	0.51326	0.5133

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	24.554	24.600	(0.973)	69410	1.02564	1.026
99 Perylene	252	25.282	25.297	(1.002)	24957	0.48929	0.4893
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	15.370	15.363	(1.051)	6830	0.35393	0.3539

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020100804.D
Lab Smp Id: SIJ0109-LCV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201008.b\ABN.m
Misc Info:

Calibration Date: 08-OCT-2020
Calibration Time: 10:44
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	81890	40945	163780	106597	30.17
27 Naphthalene-d8	287318	143659	574636	357768	24.52
42 Acenaphthene-d10	155495	77748	310990	173927	11.85
59 Phenanthrene-d10	298535	149268	597070	326115	9.24
69 Chrysene-d12	217135	108568	434270	223858	3.10
134 Di-n-octylphthala	431489	215745	862978	396555	-8.10
77 Perylene-d12	208922	104461	417844	183338	-12.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.57	8.07	9.07	8.56	-0.09
27 Naphthalene-d8	11.04	10.54	11.54	11.03	-0.07
42 Acenaphthene-d10	14.62	14.12	15.12	14.62	-0.00
59 Phenanthrene-d10	17.65	17.15	18.15	17.65	-0.00
69 Chrysene-d12	22.78	22.28	23.28	22.77	-0.03
134 Di-n-octylphthala	23.88	23.38	24.38	23.87	-0.03
77 Perylene-d12	25.24	24.74	25.74	25.24	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020100804.D

Lab ID: SIJ0109-LCV1
nt10.i, ABN.m, 08-OCT-2020 12:27

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.953	0.961	-0.0078	Benzoic acid

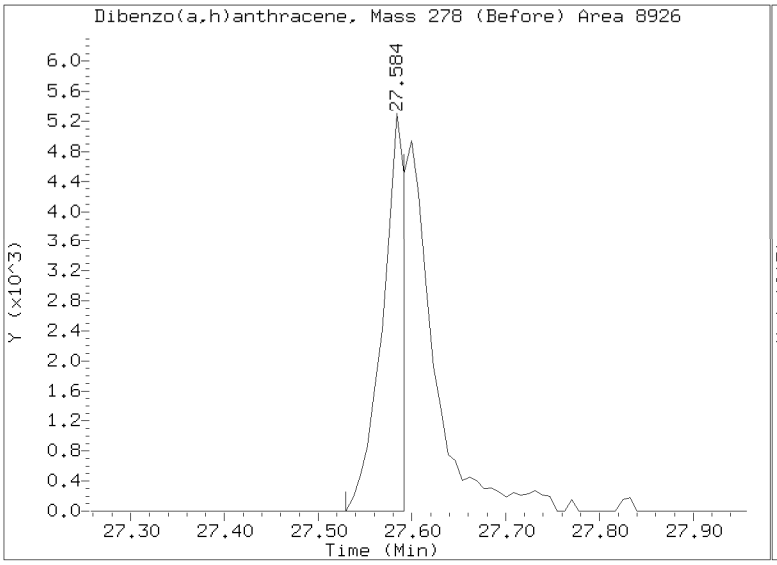
RRT check based on Ccal File: NT1020100802.D

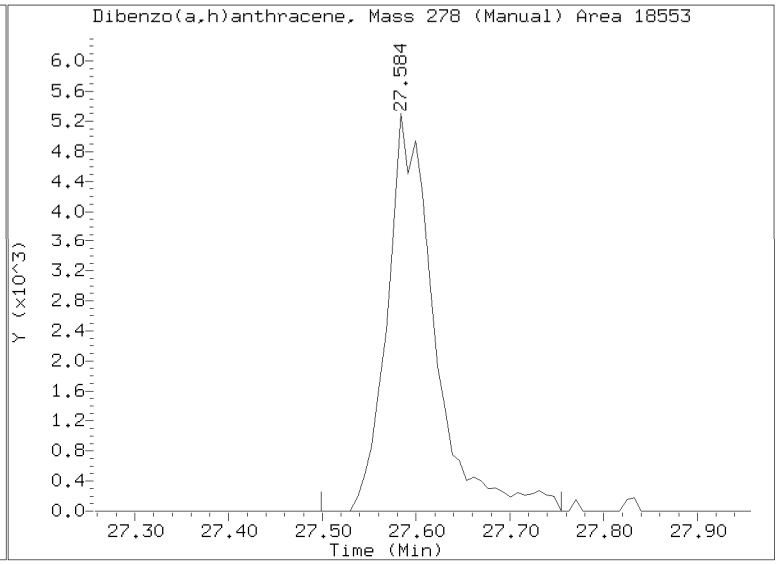
On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20201008.b/NT1020100804.D
Injection Date: 08-OCT-2020 12:27
Lab ID:SIJ0109-LCV1 Client ID:
Report Date: 10/08/2020 13:05





Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Instrument ID:	NT10	Calibration:	DI00063
Lab File ID:	NT1020091913.D	Calibration Date:	09/22/2020
Sequence:	SII0276	Injection Date:	09/19/20
Lab Sample ID:	SII0276-ICV1	Injection Time:	19:43
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Phenol	A	5.0000	5.1	2.0210150	2.0410710		1.0	+/-20
4-Methylphenol	A	5.0000	5.1	1.3702510	1.4062910		2.6	+/-20
Naphthalene	A	5.0000	5.3	1.0370380	1.0896040		5.1	+/-20
2-Methylnaphthalene	A	5.0000	5.3	0.8638465	0.9071279		5.0	+/-20
Acenaphthylene	A	5.0000	4.8	2.3549840	2.2836480		-3.0	+/-20
Dimethylphthalate	A	5.0000	4.9	1.5712320	1.5394830		-2.0	+/-20
Acenaphthene	A	5.0000	5.1	1.3436690	1.3671270		1.7	+/-20
Dibenzofuran	A	5.0000	5.1	1.9631150	2.0071360		2.2	+/-20
Fluorene	A	5.0000	4.9	1.6259940	1.5884580		-2.3	+/-20
Phenanthrene	A	5.0000	5.0	1.0548050	1.0602980		0.5	+/-20
Anthracene	A	5.0000	5.1	1.1338030	1.1597780		2.3	+/-20
Fluoranthene	A	5.0000	5.1	2.1679990	2.2001180		1.5	+/-20
Pyrene	A	5.0000	5.1	2.2022770	2.2360530		1.5	+/-20
Butylbenzylphthalate	A	5.0000	4.8	0.7907942	0.7648265		-3.3	+/-20
Benzo(a)anthracene	A	5.0000	4.9	1.5495780	1.5121620		-2.4	+/-20
Chrysene	A	5.0000	4.9	1.2440400	1.2204600		-1.9	+/-20
bis(2-Ethylhexyl)phthalate	A	5.0000	5.2	0.5654770	0.5830001		3.1	+/-20
Benzofluoranthenes, Total	A	10.000	10.2	1.4750090	1.5000420		1.7	+/-20
Benzo(a)pyrene	A	5.0000	5.0	1.2623370	1.2745530		1.0	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	5.1	1.0451830	1.0622390		1.6	+/-20
Dibenzo(a,h)anthracene	A	5.0000	5.0	0.8505023	0.8432661		-0.9	+/-20
Benzo(g,h,i)perylene	A	5.0000	5.0	0.8571136	0.8573632		0.02	+/-20
2-Fluorophenol	A	7.5000	7.61	1.4669840	1.4877920		1.4	+/-20
Phenol-d5	A	7.5000	7.61	2.0601030	2.0893080		1.4	+/-20
2-Chlorophenol-d4	A	7.5000	7.36	1.5133110	1.4846260		-1.9	+/-20
1,2-Dichlorobenzene-d4	A	5.0000	4.98	0.9811148	0.9767376		-0.4	+/-20
Nitrobenzene-d5	A	5.0000	5.00	0.4162577	0.4164451		0.04	+/-20
2-Fluorobiphenyl	A	5.0000	4.88	1.7887750	1.7446490		-2.5	+/-20
2,4,6-Tribromophenol	A	7.5000	7.69	0.2802730	0.2873280		2.5	+/-20
p-Terphenyl-d14	A	5.0000	4.86	1.4703140	1.4282490		-2.9	+/-20
1,4-Dichlorobenzene-d4	A	4.0000	4.0	27802.7900	1.0000		0.0	

* Values outside of QC limits

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Instrument ID:	NT10	Calibration:	DI00063
Lab File ID:	NT1020091913.D	Calibration Date:	09/22/2020
Sequence:	SII0276	Injection Date:	09/19/20
Lab Sample ID:	SII0276-ICV1	Injection Time:	19:43
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Naphthalene-d8	A	4.0000	4.0	96334.3200	1.0000		0.0	
Acenaphthene-d10	A	4.0000	4.0	48510.9600	1.0000		0.0	
Phenanthrene-d10	A	4.0000	4.0	90767.4300	1.0000		0.0	
Chrysene-d12	A	4.0000	4.0	57320.7100	1.0000		0.0	
Di-n-Octylphthalate-d4	A	4.0000	4.0	93499.8900	1.0000		0.0	
Perylene-d12	A	4.0000	4.0	44004.7500	1.0000		0.0	

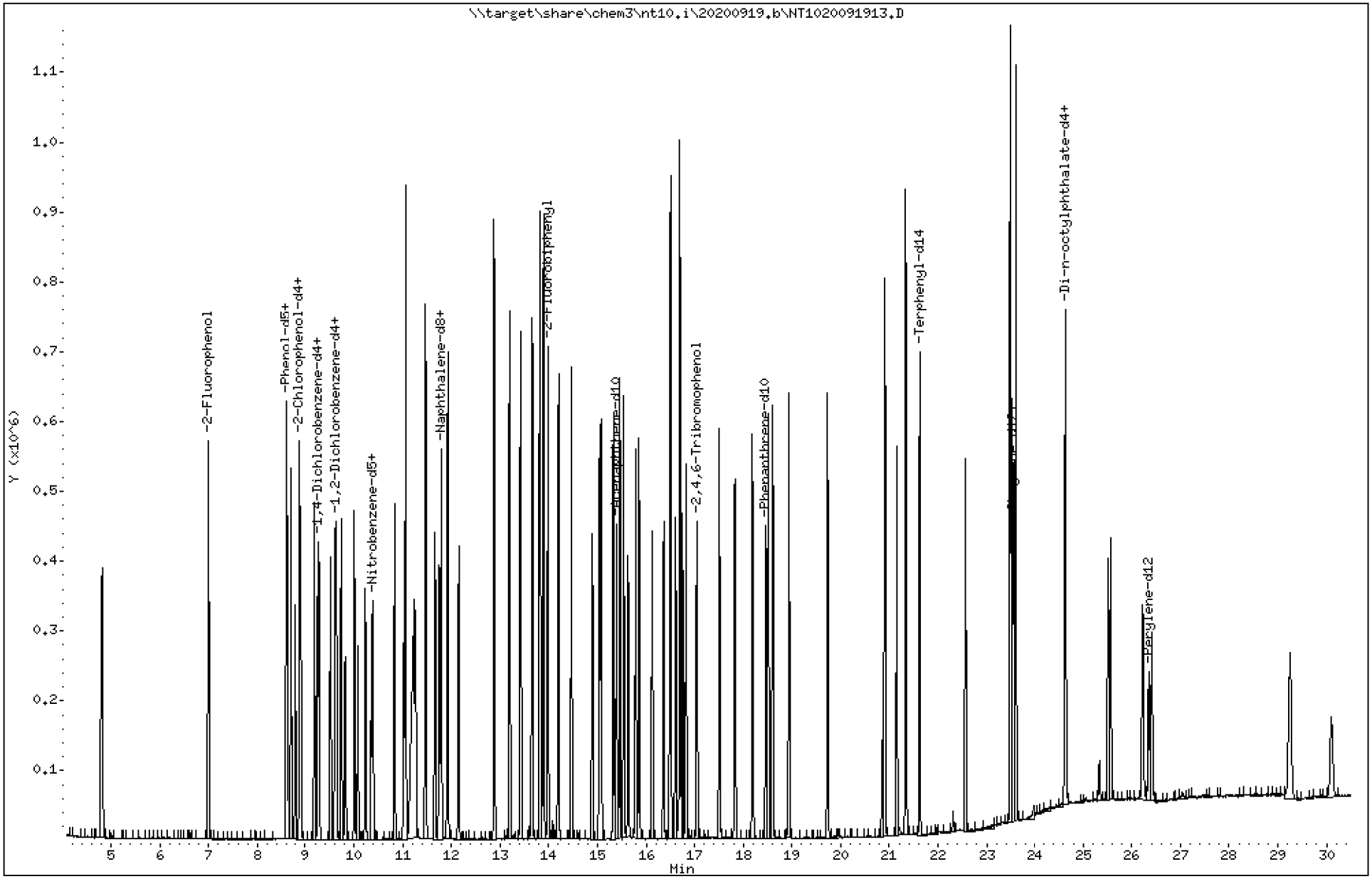
* Values outside of QC limits

Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091913.D
Date : 19-SEP-2020 19:43
Client ID:
Sample Info: SII0276-ICV1

Instrument: nt10.i

Operator: VTS

Column phase: ZB-5msi
Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20200919.b\NT1020091913.D
Lab Smp Id: SII0276-ICV1
Inj Date : 19-SEP-2020 19:43
Operator : VTS Inst ID: nt10.i
Smp Info : SII0276-ICV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Meth Date : 22-Sep-2020 15:00 nt10.i Quant Type: ISTD
Cal Date : 19-SEP-2020 17:51 Cal File: NT1020091910.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	6.991	6.991	(0.756)	259841	7.50000	7.606
$ 2 Phenol-d5	99	8.591	8.591	(0.929)	364895	7.50000	7.606
3 Phenol	94	8.614	8.614	(0.931)	237647	5.00000	5.050
$ 5 2-Chlorophenol-d4	132	8.884	8.884	(0.961)	259288	7.50000	7.358
4 Bis(2-Chloroethyl)ether	93	8.791	8.791	(0.951)	179979	5.00000	4.907
6 2-Chlorophenol	128	8.907	8.907	(0.963)	186295	5.00000	4.828
7 1,3-Dichlorobenzene	146	9.186	9.186	(0.993)	198143	5.00000	5.002
* 8 1,4-Dichlorobenzene-d4	152	9.248	9.248	(1.000)	93146	4.00000	
9 1,4-Dichlorobenzene	146	9.279	9.279	(1.003)	175851	5.00000	5.178
$ 10 1,2-Dichlorobenzene-d4	152	9.613	9.613	(1.039)	113724	5.00000	4.978
12 1,2-Dichlorobenzene	146	9.636	9.636	(1.042)	184152	5.00000	5.128
11 Benzyl alcohol	108	9.520	9.520	(1.029)	105408	5.00000	5.156
14 2,2'-oxybis(1-Chloropropane)	121	9.822	9.822	(1.062)	59435	5.00000	4.923
13 2-Methylphenol	108	9.737	9.737	(1.053)	150327	5.00000	5.040
17 Hexachloroethane	117	10.234	10.234	(1.107)	76018	5.00000	5.136
16 N-Nitroso-di-n-propylamine	70	10.079	10.079	(1.090)	110870	5.00000	5.016
15 4-Methylphenol	108	10.009	10.009	(1.082)	163738	5.00000	5.132
$ 18 Nitrobenzene-d5	82	10.358	10.358	(0.881)	169147	5.00000	5.002
19 Nitrobenzene	77	10.389	10.389	(0.884)	182366	5.00000	5.139
20 Isophorone	82	10.839	10.839	(0.922)	355712	5.00000	5.090
21 2-Nitrophenol	139	11.019	11.019	(0.937)	108736	5.00000	5.163
22 2,4-Dimethylphenol	107	11.062	11.062	(0.941)	297995	10.0000	9.936
23 Bis(2-Chloroethoxy)methane	93	11.265	11.265	(0.958)	175406	5.00000	4.792
24 Benzoic acid	105	11.240	11.240	(0.956)	400193	20.0000	19.57
25 2,4-Dichlorophenol	162	11.469	11.469	(0.976)	268815	10.0000	10.00
26 1,2,4-Trichlorobenzene	180	11.663	11.663	(0.992)	146485	5.00000	5.066
* 27 Naphthalene-d8	136	11.755	11.755	(1.000)	324935	4.00000	
28 Naphthalene	128	11.794	11.794	(1.003)	442563	5.00000	5.253
29 4-Chloroaniline	127	11.925	11.925	(1.014)	359812	10.0000	10.31
30 Hexachlorobutadiene	225	12.149	12.149	(1.034)	81464	5.00000	5.036
31 4-Chloro-3-methylphenol	107	12.877	12.877	(1.095)	301174	10.0000	10.49
32 2-Methylnaphthalene	142	13.194	13.194	(1.122)	368447	5.00000	5.251
33 Hexachlorocyclopentadiene	237	13.658	13.658	(0.887)	225528	10.0000	10.33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.821	13.821	(0.898)	220413	10.0000	10.11
	35 2,4,5-Trichlorophenol	196	13.891	13.891	(0.902)	242071	10.0000	10.19
$	36 2-Fluorobiphenyl	172	13.983	13.983	(0.908)	368808	5.00000	4.877
	37 2-Chloronaphthalene	162	14.200	14.200	(0.923)	350267	5.00000	5.132
	38 2-Nitroaniline	65	14.471	14.471	(0.940)	185555	10.0000	10.42
	39 Dimethylphthalate	163	14.897	14.897	(0.968)	325437	5.00000	4.899
	40 Acenaphthylene	152	15.075	15.075	(0.979)	482749	5.00000	4.849
	41 2,6-Dinitrotoluene	165	15.044	15.044	(0.977)	153597	10.0000	10.12
*	42 Acenaphthene-d10	164	15.392	15.392	(1.000)	169115	4.00000	
	43 3-Nitroaniline	138	15.330	15.330	(0.996)	184210	10.0000	10.54
	44 Acenaphthene	153	15.462	15.462	(1.005)	289002	5.00000	5.087
	45 2,4-Dinitrophenol	184	15.539	15.539	(1.010)	183707	20.0000	18.38
	46 Dibenzofuran	168	15.786	15.786	(1.026)	424296	5.00000	5.112
	47 4-Nitrophenol	109	15.632	15.632	(1.016)	63261	10.0000	10.86
	48 2,4-Dinitrotoluene	165	15.856	15.856	(1.030)	208986	10.0000	10.41
	50 Diethylphthalate	149	16.366	16.366	(1.063)	305653	5.00000	5.032
	49 Fluorene	166	16.513	16.513	(1.073)	335790	5.00000	4.885
	51 4-Chlorophenyl-phenylether	204	16.498	16.498	(1.072)	163499	5.00000	4.927
	52 4-Nitroaniline	138	16.614	16.614	(1.079)	193263	10.0000	11.07
	53 4,6-Dinitro-2-methylphenol	198	16.699	16.699	(0.905)	335487	20.0000	22.60
	54 N-Nitrosodiphenylamine	169	16.753	16.753	(0.908)	199889	5.00000	4.917
$	55 2,4,6-Tribromophenol	330	17.053	17.053	(1.108)	91109	7.50000	7.689
	56 4-Bromophenyl-phenylether	248	17.508	17.508	(0.948)	140391	5.00000	5.088
	57 Hexachlorobenzene	284	17.833	17.833	(0.966)	135762	5.00000	5.002
	58 Pentachlorophenol	266	18.189	18.189	(0.985)	124388	10.0000	11.08
*	59 Phenanthrene-d10	188	18.460	18.460	(1.000)	313093	4.00000	
	60 Phenanthrene	178	18.514	18.514	(1.003)	414965	5.00000	5.026
	61 Anthracene	178	18.607	18.607	(1.008)	453898	5.00000	5.115
	62 Carbazole	167	18.939	18.939	(1.026)	452844	5.00000	5.057
	63 Di-n-butylphthalate	149	19.736	19.736	(1.069)	589045	5.00000	5.110
	64 Fluoranthene	202	20.912	20.912	(0.888)	554823	5.00000	5.074
	65 Pyrene	202	21.338	21.338	(0.906)	563885	5.00000	5.077
$	66 Terphenyl-d14	244	21.624	21.624	(0.918)	360174	5.00000	4.857
	67 Butylbenzylphthalate	149	22.561	22.561	(0.958)	192873	5.00000	4.836
	68 Benzo(a)anthracene	228	23.529	23.529	(0.999)	381335	5.00000	4.879
*	69 Chrysene-d12	240	23.552	23.552	(1.000)	201743	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.490	23.490	(0.997)	427887	15.0000	15.03
	71 Chrysene	228	23.599	23.599	(1.002)	307774	5.00000	4.905
	72 bis(2-Ethylhexyl)phthalate	149	23.599	23.599	(0.958)	226986	5.00000	5.155
*	134 Di-n-octylphthalate-d4	153	24.628	24.628	(1.000)	311473	4.00000	
	73 Di-n-octylphthalate	149	24.636	24.636	(1.000)	414193	5.00000	5.113
	74 Benzo(b)fluoranthene	252	25.518	25.518	(0.968)	292542	5.00000	5.136
	75 Benzo(k)fluoranthene	252	25.565	25.565	(0.970)	294534	5.00000	5.139
	76 Benzo(a)pyrene	252	26.223	26.223	(0.995)	239232	5.00000	5.048
*	77 Perylene-d12	264	26.355	26.355	(1.000)	150159	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	29.238	29.238	(1.109)	199381	5.00000	5.082
	79 Dibenzo(a,h)anthracene	278	29.261	29.261	(1.110)	158280	5.00000	4.957
	80 Benzo(g,h,i)perylene	276	30.100	30.100	(1.142)	160926	5.00000	5.001
	90 N-Nitrosodimethylamine	74	4.797	4.797	(0.519)	262921	10.0000	10.67
	91 Aniline	93	8.706	8.706	(0.941)	330412	10.0000	9.936
	93 Benzidine	184	21.152	21.152	(0.898)	341111	10.0000	7.701
	103 Pyridine	79	4.813	4.813	(0.520)	191699	5.00000	5.262
	105 1-methylnaphthalene	142	13.426	13.426	(1.142)	356694	5.00000	5.266
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.822	16.822	(1.093)	384820	5.00000	5.000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.565	25.565	(0.970)	563112	10.0000	10.17
99 Perylene	252	26.409	26.409	(1.002)	206205	5.00000	4.936
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	16.126	16.126	(1.048)	109546	5.00000	5.838

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020091913.D
Lab Smp Id: SII0276-ICV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Misc Info:

Calibration Date: 19-SEP-2020
Calibration Time: 12:43
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	93146	46573	186292	93146	0.00
27 Naphthalene-d8	324935	162468	649870	324935	0.00
42 Acenaphthene-d10	169115	84558	338230	169115	0.00
59 Phenanthrene-d10	313093	156547	626186	313093	0.00
69 Chrysene-d12	201743	100872	403486	201743	0.00
134 Di-n-octylphthala	311473	155737	622946	311473	0.00
77 Perylene-d12	150159	75080	300318	150159	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.25	8.75	9.75	9.25	0.00
27 Naphthalene-d8	11.76	11.26	12.26	11.76	0.00
42 Acenaphthene-d10	15.39	14.89	15.89	15.39	0.00
59 Phenanthrene-d10	18.46	17.96	18.96	18.46	0.00
69 Chrysene-d12	23.55	23.05	24.05	23.55	0.00
134 Di-n-octylphthala	24.63	24.13	25.13	24.63	0.00
77 Perylene-d12	26.36	25.86	26.86	26.36	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020091913.D

Lab ID: SII0276-ICV1
nt10.i, ABN.m, 19-SEP-2020 19:43

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

No RRT check. Ccal file.

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20200919.b

Instrument: nt10.i Date: 19-SEP-2020 Method: ABN.m

INITIAL CAL: 19-SEP-2020

Compound	%RSD or R^2
Retene	ND

ICV CAL: NT1020091913.D 19-SEP-2020 19:43

Compound	%D
Benzidine	-22.99

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Instrument ID:	NT10	Calibration:	DI00063
Lab File ID:	NT1020100604.D	Calibration Date:	09/22/2020
Sequence:	SIJ0067	Injection Date:	10/06/20
Lab Sample ID:	SIJ0067-ICV1	Injection Time:	13:49
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT	
Phenol	A	5.0000	5.1	2.0210150	2.0614890		2.0	+/-20	
4-Methylphenol	A	5.0000	5.3	1.3702510	1.4616660		6.7	+/-20	
Naphthalene	A	5.0000	5.1	1.0370380	1.0535790		1.6	+/-20	
2-Methylnaphthalene	A	5.0000	5.5	0.8638465	0.9502634		10.0	+/-20	
Acenaphthylene	A	5.0000	4.9	2.3549840	2.3028790		-2.2	+/-20	
Dimethylphthalate	A	5.0000	5.0	1.5712320	1.5766870		0.3	+/-20	
Acenaphthene	A	5.0000	5.2	1.3436690	1.3883320		3.3	+/-20	
Dibenzofuran	A	5.0000	5.2	1.9631150	2.0610080		5.0	+/-20	
Fluorene	A	5.0000	5.0	1.6259940	1.6146230		-0.7	+/-20	
Phenanthrene	A	5.0000	5.1	1.0548050	1.0672160		1.2	+/-20	
Anthracene	A	5.0000	5.2	1.1338030	1.1700070		3.2	+/-20	
Fluoranthene	A	5.0000	4.7	2.1679990	2.0373890		-6.0	+/-20	
Pyrene	A	5.0000	4.9	2.2022770	2.1396340		-2.8	+/-20	
Butylbenzylphthalate	A	5.0000	4.6	0.7907942	0.7310739		-7.6	+/-20	
Benzo(a)anthracene	A	5.0000	5.2	1.5495780	1.6022960		3.4	+/-20	
Chrysene	A	5.0000	5.0	1.2440400	1.2519030		0.6	+/-20	
bis(2-Ethylhexyl)phthalate	A	5.0000	4.5	0.5654770	0.5110138		-9.6	+/-20	
Benzofluoranthenes, Total	A	10.000	9.5	1.4750090	1.3998930		-5.2	+/-20	
Benzo(a)pyrene	A	5.0000	5.2	1.2623370	1.3230770		4.8	+/-20	
Indeno(1,2,3-cd)pyrene	A	5.0000	6.5	1.0451830	1.3502600		29.2	+/-20	*
Dibenzo(a,h)anthracene	A	5.0000	6.2	0.8505023	1.0517770		23.7	+/-20	*
Benzo(g,h,i)perylene	A	5.0000	6.9	0.8571136	1.1721560		37.2	+/-20	*
2-Fluorophenol	A	7.5000	7.60	1.4669840	1.4865870		1.3	+/-20	
Phenol-d5	A	7.5000	7.85	2.0601030	2.1567930		4.7	+/-20	
2-Chlorophenol-d4	A	7.5000	7.42	1.5133110	1.4961860		-1.1	+/-20	
1,2-Dichlorobenzene-d4	A	5.0000	4.96	0.9811148	0.9731162		-0.8	+/-20	
Nitrobenzene-d5	A	5.0000	4.97	0.4162577	0.4133988		-0.7	+/-20	
2-Fluorobiphenyl	A	5.0000	5.08	1.7887750	1.8177260		1.6	+/-20	
2,4,6-Tribromophenol	A	7.5000	7.42	0.2802730	0.2773640		-1.0	+/-20	
p-Terphenyl-d14	A	5.0000	4.26	1.4703140	1.2537640		-14.7	+/-20	
1,4-Dichlorobenzene-d4	A	4.0000	4.0	27802.7900	1.0000		0.0		

* Values outside of QC limits

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Instrument ID:	NT10	Calibration:	DI00063
Lab File ID:	NT1020100604.D	Calibration Date:	09/22/2020
Sequence:	SIJ0067	Injection Date:	10/06/20
Lab Sample ID:	SIJ0067-ICV1	Injection Time:	13:49
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Naphthalene-d8	A	4.0000	4.0	96334.3200	1.0000		0.0	
Acenaphthene-d10	A	4.0000	4.0	48510.9600	1.0000		0.0	
Phenanthrene-d10	A	4.0000	4.0	90767.4300	1.0000		0.0	
Chrysene-d12	A	4.0000	4.0	57320.7100	1.0000		0.0	
Di-n-Octylphthalate-d4	A	4.0000	4.0	93499.8900	1.0000		0.0	
Perylene-d12	A	4.0000	4.0	44004.7500	1.0000		0.0	

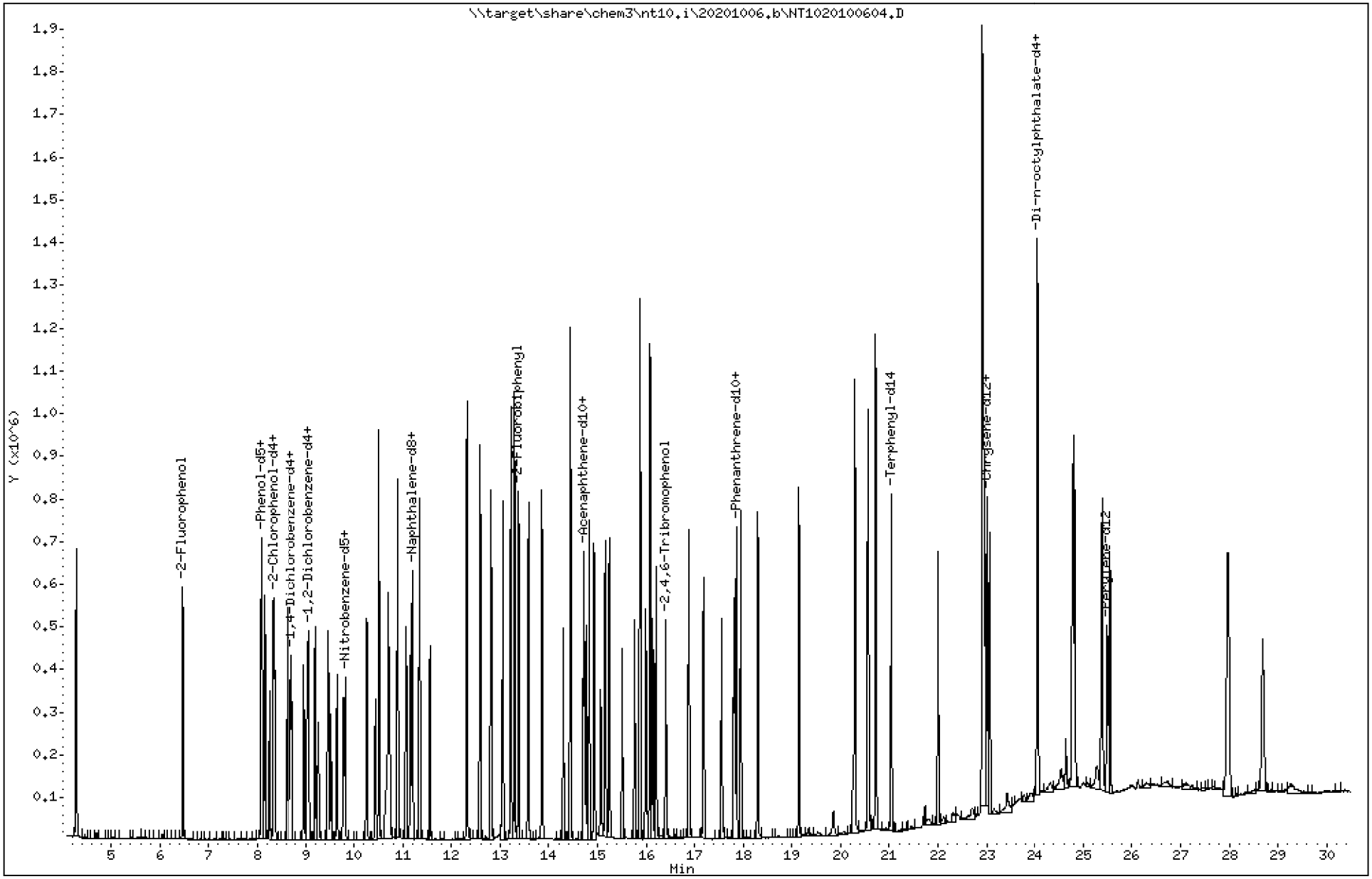
* Values outside of QC limits

Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100604.D
Date : 06-OCT-2020 13:49
Client ID:
Sample Info: SIJ0067-ICV1

Instrument: nt10.i

Operator: VTS

Column phase: ZB-5msi
Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201006.b\NT1020100604.D
Lab Smp Id: SIJ0067-ICV1
Inj Date : 06-OCT-2020 13:49
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0067-ICV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201006.b\ABN.m
Meth Date : 08-Oct-2020 09:57 yev Quant Type: ISTD
Cal Date : 19-SEP-2020 17:51 Cal File: NT1020091910.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	6.465	6.465	(0.745)	279836	7.50000	7.600
$ 2 Phenol-d5	99	8.073	8.073	(0.930)	405996	7.50000	7.852
3 Phenol	94	8.096	8.096	(0.932)	258704	5.00000	5.100
$ 5 2-Chlorophenol-d4	132	8.328	8.328	(0.959)	281643	7.50000	7.415
4 Bis(2-Chloroethyl)ether	93	8.250	8.250	(0.950)	191376	5.00000	4.841
6 2-Chlorophenol	128	8.351	8.351	(0.962)	203501	5.00000	4.893
7 1,3-Dichlorobenzene	146	8.614	8.614	(0.992)	187214	5.00000	4.385
* 8 1,4-Dichlorobenzene-d4	152	8.683	8.683	(1.000)	100395	4.00000	
9 1,4-Dichlorobenzene	146	8.714	8.714	(1.004)	186636	5.00000	5.098
$ 10 1,2-Dichlorobenzene-d4	152	9.040	9.040	(1.041)	122120	5.00000	4.959
12 1,2-Dichlorobenzene	146	9.064	9.064	(1.044)	193449	5.00000	4.998
11 Benzyl alcohol	108	8.970	8.970	(1.033)	118436	5.00000	5.374
14 2,2'-oxybis(1-Chloropropane)	121	9.265	9.265	(1.067)	62654	5.00000	4.815
13 2-Methylphenol	108	9.203	9.203	(1.060)	167065	5.00000	5.197
17 Hexachloroethane	117	9.646	9.646	(1.111)	80829	5.00000	5.067
16 N-Nitroso-di-n-propylamine	70	9.522	9.522	(1.097)	119644	5.00000	5.022
15 4-Methylphenol	108	9.475	9.475	(1.091)	183430	5.00000	5.334
$ 18 Nitrobenzene-d5	82	9.778	9.778	(0.876)	183640	5.00000	4.966
19 Nitrobenzene	77	9.816	9.816	(0.880)	191423	5.00000	4.933
20 Isophorone	82	10.259	10.259	(0.919)	397279	5.00000	5.198
21 2-Nitrophenol	139	10.440	10.440	(0.936)	149476	5.00000	6.489
22 2,4-Dimethylphenol	107	10.508	10.508	(0.942)	325278	10.0000	9.917
23 Bis(2-Chloroethoxy)methane	93	10.703	10.703	(0.959)	193776	5.00000	4.841
24 Benzoic acid	105	10.737	10.737	(0.962)	367259	20.0000	16.39
25 2,4-Dichlorophenol	162	10.898	10.898	(0.977)	314739	10.0000	10.71
26 1,2,4-Trichlorobenzene	180	11.075	11.075	(0.992)	175905	5.00000	5.563
* 27 Naphthalene-d8	136	11.160	11.160	(1.000)	355376	4.00000	
28 Naphthalene	128	11.199	11.199	(1.003)	468021	5.00000	5.080
29 4-Chloroaniline	127	11.345	11.345	(1.017)	392858	10.0000	10.29
30 Hexachlorobutadiene	225	11.562	11.562	(1.036)	91851	5.00000	5.191
31 4-Chloro-3-methylphenol	107	12.320	12.320	(1.104)	344373	10.0000	10.97
32 2-Methylnaphthalene	142	12.591	12.591	(1.128)	422126	5.00000	5.500
33 Hexachlorocyclopentadiene	237	13.055	13.055	(0.884)	217721	10.0000	8.996

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.225	13.225	(0.896)	253345	10.0000	10.48
	35 2,4,5-Trichlorophenol	196	13.295	13.295	(0.900)	275685	10.0000	10.47
$	36 2-Fluorobiphenyl	172	13.380	13.380	(0.906)	426109	5.00000	5.081
	37 2-Chloronaphthalene	162	13.581	13.581	(0.920)	394069	5.00000	5.206
	38 2-Nitroaniline	65	13.860	13.860	(0.939)	217028	10.0000	10.99
	39 Dimethylphthalate	163	14.301	14.301	(0.969)	369605	5.00000	5.017
	40 Acenaphthylene	152	14.448	14.448	(0.979)	539838	5.00000	4.889
	41 2,6-Dinitrotoluene	165	14.441	14.441	(0.978)	174456	10.0000	10.37
*	42 Acenaphthene-d10	164	14.766	14.766	(1.000)	187535	4.00000	
	43 3-Nitroaniline	138	14.719	14.719	(0.997)	206654	10.0000	10.66
	44 Acenaphthene	153	14.827	14.827	(1.004)	325451	5.00000	5.166
	45 2,4-Dinitrophenol	184	14.936	14.936	(1.012)	221280	20.0000	19.94
	46 Dibenzofuran	168	15.160	15.160	(1.027)	483139	5.00000	5.249
	47 4-Nitrophenol	109	15.067	15.067	(1.020)	66848	10.0000	10.35
	48 2,4-Dinitrotoluene	165	15.245	15.245	(1.032)	243147	10.0000	10.92
	50 Diethylphthalate	149	15.763	15.763	(1.068)	344905	5.00000	5.120
	49 Fluorene	166	15.871	15.871	(1.075)	378498	5.00000	4.965
	51 4-Chlorophenyl-phenylether	204	15.879	15.879	(1.075)	178839	5.00000	4.860
	52 4-Nitroaniline	138	15.995	15.995	(1.083)	261015	10.0000	13.48
	53 4,6-Dinitro-2-methylphenol	198	16.087	16.087	(0.903)	370927	20.0000	21.46
	54 N-Nitrosodiphenylamine	169	16.134	16.134	(0.906)	230074	5.00000	4.862
$	55 2,4,6-Tribromophenol	330	16.411	16.411	(1.111)	97529	7.50000	7.422
	56 4-Bromophenyl-phenylether	248	16.882	16.882	(0.948)	163564	5.00000	5.093
	57 Hexachlorobenzene	284	17.183	17.183	(0.965)	153483	5.00000	4.858
	58 Pentachlorophenol	266	17.555	17.555	(0.986)	115647	10.0000	8.847
*	59 Phenanthrene-d10	188	17.810	17.810	(1.000)	364436	4.00000	
	60 Phenanthrene	178	17.857	17.857	(1.003)	486165	5.00000	5.059
	61 Anthracene	178	17.949	17.949	(1.008)	532991	5.00000	5.160
	62 Carbazole	167	18.298	18.298	(1.027)	547475	5.00000	5.253
	63 Di-n-butylphthalate	149	19.141	19.141	(1.075)	733357	5.00000	5.466
	64 Fluoranthene	202	20.294	20.294	(0.884)	711693	5.00000	4.699
	65 Pyrene	202	20.719	20.719	(0.903)	747409	5.00000	4.858
$	66 Terphenyl-d14	244	21.037	21.037	(0.916)	437960	5.00000	4.264
	67 Butylbenzylphthalate	149	22.004	22.004	(0.959)	255376	5.00000	4.622
	68 Benzo(a)anthracene	228	22.934	22.934	(0.999)	559708	5.00000	5.170
*	69 Chrysene-d12	240	22.957	22.957	(1.000)	279453	4.00000	
	70 3,3'-Dichlorobenzidine	252	22.910	22.910	(0.998)	645200	15.0000	16.36
	71 Chrysene	228	23.003	23.003	(1.002)	437310	5.00000	5.032
	72 bis(2-Ethylhexyl)phthalate	149	23.057	23.057	(0.958)	328785	5.00000	4.518
*	134 Di-n-octylphthalate-d4	153	24.056	24.056	(1.000)	514718	4.00000	
	73 Di-n-octylphthalate	149	24.072	24.072	(1.001)	672193	5.00000	5.021
	74 Benzo(b)fluoranthene	252	24.784	24.784	(0.972)	536537	5.00000	4.720
	75 Benzo(k)fluoranthene	252	24.823	24.823	(0.974)	561737	5.00000	4.912
	76 Benzo(a)pyrene	252	25.388	25.388	(0.996)	495552	5.00000	5.241
*	77 Perylene-d12	264	25.496	25.496	(1.000)	299636	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	27.962	27.962	(1.097)	505733	5.00000	6.459
	79 Dibenzo(a,h)anthracene	278	27.985	27.985	(1.098)	393938	5.00000	6.183
	80 Benzo(g,h,i)perylene	276	28.692	28.692	(1.125)	439025	5.00000	6.858
	90 N-Nitrosodimethylamine	74	4.280	4.280	(0.493)	284170	10.0000	10.70
	91 Aniline	93	8.150	8.150	(0.939)	348695	10.0000	9.729
	93 Benzidine	184	20.564	20.564	(0.896)	694958	10.0000	11.33
	103 Pyridine	79	4.288	4.288	(0.494)	205381	5.00000	5.230
	105 1-methylnaphthalene	142	12.815	12.815	(1.148)	399632	5.00000	5.395
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.203	16.203	(1.097)	426895	5.00000	5.002

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	24.823	24.823	(0.974)	1048646	10.0000	9.481
99 Perylene	252	25.551	25.551	(1.002)	414196	5.00000	4.969
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	15.508	15.508	(1.050)	102908	5.00000	4.946

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020100604.D
Lab Smp Id: SIJ0067-ICV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201006.b\ABN.m
Misc Info:

Calibration Date: 06-OCT-2020
Calibration Time: 12:02
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	100395	50198	200790	100395	0.00
27 Naphthalene-d8	355376	177688	710752	355376	0.00
42 Acenaphthene-d10	187535	93768	375070	187535	0.00
59 Phenanthrene-d10	364436	182218	728872	364436	0.00
69 Chrysene-d12	279453	139727	558906	279453	0.00
134 Di-n-octylphthala	514718	257359	1029436	514718	0.00
77 Perylene-d12	299636	149818	599272	299636	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.68	8.18	9.18	8.68	0.00
27 Naphthalene-d8	11.16	10.66	11.66	11.16	0.00
42 Acenaphthene-d10	14.77	14.27	15.27	14.77	0.00
59 Phenanthrene-d10	17.81	17.31	18.31	17.81	0.00
69 Chrysene-d12	22.96	22.46	23.46	22.96	0.00
134 Di-n-octylphthala	24.06	23.56	24.56	24.06	0.00
77 Perylene-d12	25.50	25.00	26.00	25.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020100604.D

Lab ID: SIJ0067-ICV1
nt10.i, ABN.m, 06-OCT-2020 13:49

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

No RRT check. Ccal file.

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20201006.b

Instrument: nt10.i Date: 06-OCT-2020 Method: ABN.m

INITIAL CAL: 19-SEP-2020

Compound	%RSD or R^2
Retene	ND

ICV CAL: NT1020100604.D 06-OCT-2020 13:49

Compound	%D
2-Nitrophenol	29.78
4-Nitroaniline	34.78
Indeno(1,2,3-cd)pyrene	29.19
Dibenzo(a,h)anthracene	23.67
Benzo(g,h,i)perylene	37.16

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Instrument ID:	NT10	Calibration:	DI00063
Lab File ID:	NT1020100802.D	Calibration Date:	09/22/2020
Sequence:	SIJ0109	Injection Date:	10/08/20
Lab Sample ID:	SIJ0109-ICV1	Injection Time:	10:44
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Phenol	A	5.0000	5.1	2.0210150	2.0574620		1.8	+/-20
4-Methylphenol	A	5.0000	5.0	1.3702510	1.3804660		0.7	+/-20
Naphthalene	A	5.0000	5.1	1.0370380	1.0567110		1.9	+/-20
2-Methylnaphthalene	A	5.0000	5.4	0.8638465	0.9374115		8.5	+/-20
Acenaphthylene	A	5.0000	4.8	2.3549840	2.2802230		-3.2	+/-20
Dimethylphthalate	A	5.0000	5.1	1.5712320	1.5875440		1.0	+/-20
Acenaphthene	A	5.0000	5.1	1.3436690	1.3592210		1.2	+/-20
Dibenzofuran	A	5.0000	5.1	1.9631150	2.0135280		2.6	+/-20
Fluorene	A	5.0000	4.8	1.6259940	1.5559960		-4.3	+/-20
Phenanthrene	A	5.0000	5.0	1.0548050	1.0484750		-0.6	+/-20
Anthracene	A	5.0000	5.0	1.1338030	1.1426730		0.8	+/-20
Fluoranthene	A	5.0000	4.8	2.1679990	2.0940960		-3.4	+/-20
Pyrene	A	5.0000	5.0	2.2022770	2.2006660		-0.08	+/-20
Butylbenzylphthalate	A	5.0000	4.9	0.7907942	0.7757570		-1.9	+/-20
Benzo(a)anthracene	A	5.0000	5.1	1.5495780	1.5826500		2.1	+/-20
Chrysene	A	5.0000	5.0	1.2440400	1.2458130		0.1	+/-20
bis(2-Ethylhexyl)phthalate	A	5.0000	4.7	0.5654770	0.5325410		-5.8	+/-20
Benzofluoranthenes, Total	A	10.000	9.5	1.4750090	1.4012500		-5.1	+/-20
Benzo(a)pyrene	A	5.0000	4.9	1.2623370	1.2280530		-2.7	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	4.9	1.0451830	1.0286440		-1.6	+/-20
Dibenzo(a,h)anthracene	A	5.0000	4.5	0.8505023	0.7727822		-9.1	+/-20
Benzo(g,h,i)perylene	A	5.0000	5.2	0.8571136	0.8916706		4.3	+/-20
2-Fluorophenol	A	7.5000	7.64	1.4669840	1.4939060		1.8	+/-20
Phenol-d5	A	7.5000	7.68	2.0601030	2.1102260		2.4	+/-20
2-Chlorophenol-d4	A	7.5000	7.33	1.5133110	1.4787710		-2.3	+/-20
1,2-Dichlorobenzene-d4	A	5.0000	4.91	0.9811148	0.9637123		-1.8	+/-20
Nitrobenzene-d5	A	5.0000	4.93	0.4162577	0.4102075		-1.5	+/-20
2-Fluorobiphenyl	A	5.0000	5.00	1.7887750	1.7902720		0.08	+/-20
2,4,6-Tribromophenol	A	7.5000	7.06	0.2802730	0.2638559		-5.9	+/-20
p-Terphenyl-d14	A	5.0000	4.45	1.4703140	1.3090070		-11.0	+/-20
1,4-Dichlorobenzene-d4	A	4.0000	4.0	27802.7900	1.0000		0.0	

* Values outside of QC limits

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Instrument ID:	NT10	Calibration:	DI00063
Lab File ID:	NT1020100802.D	Calibration Date:	09/22/2020
Sequence:	SIJ0109	Injection Date:	10/08/20
Lab Sample ID:	SIJ0109-ICV1	Injection Time:	10:44
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Naphthalene-d8	A	4.0000	4.0	96334.3200	1.0000		0.0	
Acenaphthene-d10	A	4.0000	4.0	48510.9600	1.0000		0.0	
Phenanthrene-d10	A	4.0000	4.0	90767.4300	1.0000		0.0	
Chrysene-d12	A	4.0000	4.0	57320.7100	1.0000		0.0	
Di-n-Octylphthalate-d4	A	4.0000	4.0	93499.8900	1.0000		0.0	
Perylene-d12	A	4.0000	4.0	44004.7500	1.0000		0.0	

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100802.D

Page 1

Date : 08-OCT-2020 10:44

Client ID:

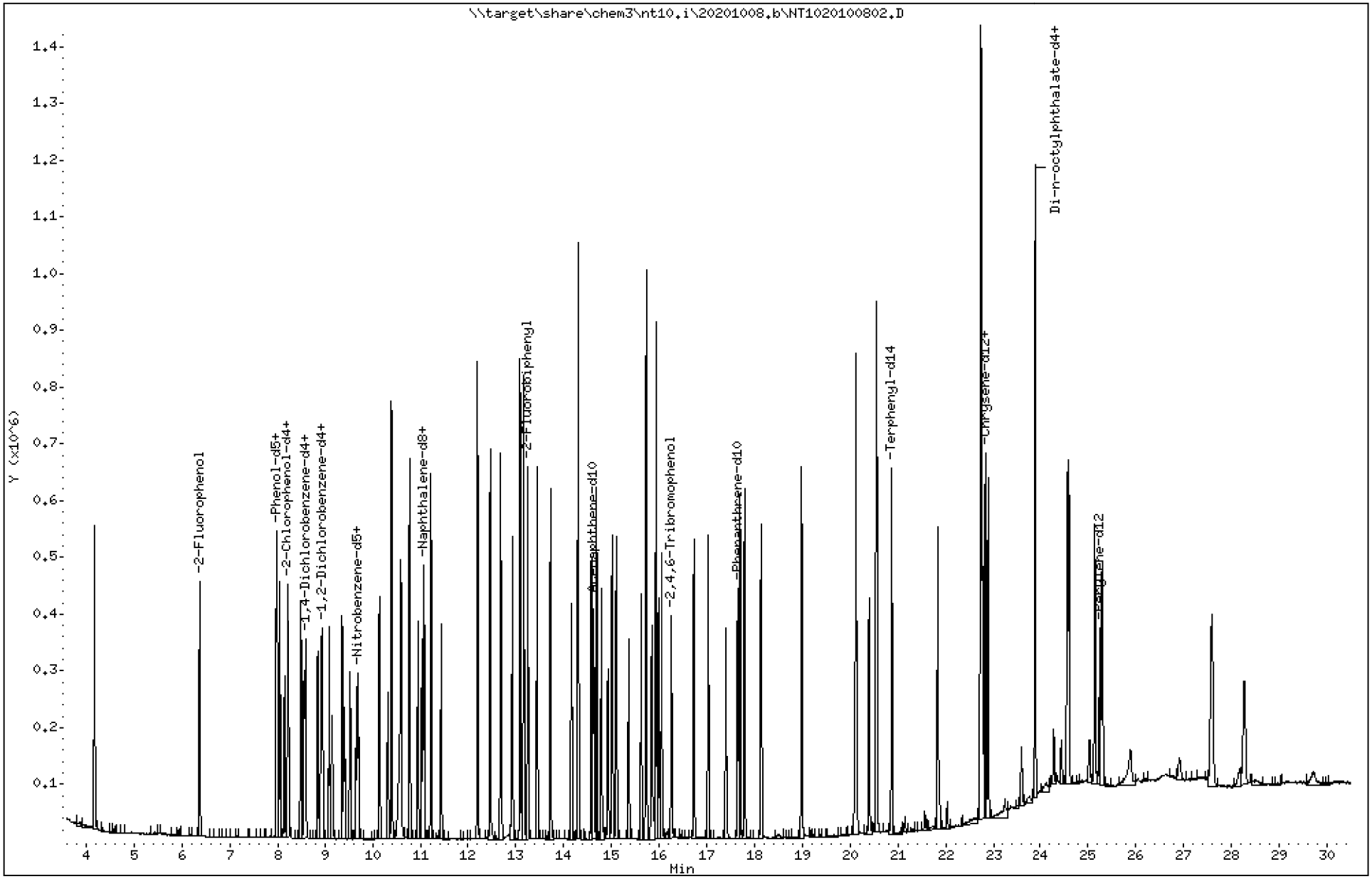
Instrument: nt10.i

Sample Info: SIJ0109-ICV1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201008.b\NT1020100802.D
Lab Smp Id: SIJ0109-ICV1
Inj Date : 08-OCT-2020 10:44
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0109-ICV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201008.b\ABN.m
Meth Date : 10-Oct-2020 18:35 nt10.i Quant Type: ISTD
Cal Date : 19-SEP-2020 17:51 Cal File: NT1020091910.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	6.367	6.367	(0.743)	229380	7.50000	7.638
$ 2 Phenol-d5	99	7.967	7.967	(0.930)	324012	7.50000	7.682
3 Phenol	94	7.990	7.990	(0.932)	210607	5.00000	5.090
$ 5 2-Chlorophenol-d4	132	8.214	8.214	(0.958)	227056	7.50000	7.329
4 Bis(2-Chloroethyl)ether	93	8.137	8.137	(0.949)	158582	5.00000	4.918
6 2-Chlorophenol	128	8.237	8.237	(0.961)	165655	5.00000	4.883
7 1,3-Dichlorobenzene	146	8.500	8.500	(0.992)	175436	5.00000	5.037
* 8 1,4-Dichlorobenzene-d4	152	8.570	8.570	(1.000)	81890	4.00000	
9 1,4-Dichlorobenzene	146	8.601	8.601	(1.004)	154524	5.00000	5.175
$ 10 1,2-Dichlorobenzene-d4	152	8.919	8.919	(1.041)	98648	5.00000	4.911
12 1,2-Dichlorobenzene	146	8.950	8.950	(1.044)	156092	5.00000	4.944
11 Benzyl alcohol	108	8.857	8.857	(1.034)	94863	5.00000	5.278
14 2,2'-oxybis(1-Chloropropane)	121	9.152	9.152	(1.068)	50876	5.00000	4.793
13 2-Methylphenol	108	9.090	9.090	(1.061)	134581	5.00000	5.133
17 Hexachloroethane	117	9.532	9.532	(1.112)	63786	5.00000	4.902
16 N-Nitroso-di-n-propylamine	70	9.408	9.408	(1.098)	96996	5.00000	4.992
15 4-Methylphenol	108	9.362	9.362	(1.092)	141308	5.00000	5.037
$ 18 Nitrobenzene-d5	82	9.664	9.664	(0.876)	147325	5.00000	4.927
19 Nitrobenzene	77	9.695	9.695	(0.878)	155153	5.00000	4.945
20 Isophorone	82	10.145	10.145	(0.919)	377237	5.00000	6.105
21 2-Nitrophenol	139	10.326	10.326	(0.935)	97577	5.00000	5.239
22 2,4-Dimethylphenol	107	10.394	10.394	(0.942)	268327	10.0000	10.12
23 Bis(2-Chloroethoxy)methane	93	10.589	10.589	(0.959)	155969	5.00000	4.819
24 Benzoic acid	105	10.606	10.606	(0.961)	270337	20.0000	14.91
25 2,4-Dichlorophenol	162	10.776	10.776	(0.976)	264892	10.0000	11.14
26 1,2,4-Trichlorobenzene	180	10.953	10.953	(0.992)	125289	5.00000	4.901
* 27 Naphthalene-d8	136	11.038	11.038	(1.000)	287318	4.00000	
28 Naphthalene	128	11.077	11.077	(1.003)	379515	5.00000	5.095
29 4-Chloroaniline	127	11.224	11.224	(1.017)	309012	10.0000	10.01
30 Hexachlorobutadiene	225	11.440	11.440	(1.036)	75040	5.00000	5.246
31 4-Chloro-3-methylphenol	107	12.198	12.198	(1.105)	274141	10.0000	10.80
32 2-Methylnaphthalene	142	12.462	12.462	(1.129)	336669	5.00000	5.426
33 Hexachlorocyclopentadiene	237	12.926	12.926	(0.884)	147484	10.0000	7.349

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.088	13.088	(0.895)	206785	10.0000	10.32
	35 2,4,5-Trichlorophenol	196	13.166	13.166	(0.900)	224537	10.0000	10.28
$	36 2-Fluorobiphenyl	172	13.251	13.251	(0.906)	347973	5.00000	5.004
	37 2-Chloronaphthalene	162	13.444	13.444	(0.920)	315860	5.00000	5.033
	38 2-Nitroaniline	65	13.723	13.723	(0.939)	170651	10.0000	10.42
	39 Dimethylphthalate	163	14.164	14.164	(0.969)	308569	5.00000	5.052
	40 Acenaphthylene	152	14.311	14.311	(0.979)	443204	5.00000	4.841
	41 2,6-Dinitrotoluene	165	14.304	14.304	(0.978)	142030	10.0000	10.18
*	42 Acenaphthene-d10	164	14.621	14.621	(1.000)	155495	4.00000	
	43 3-Nitroaniline	138	14.582	14.582	(0.997)	159174	10.0000	9.901
	44 Acenaphthene	153	14.690	14.690	(1.005)	264190	5.00000	5.058
	45 2,4-Dinitrophenol	184	14.791	14.791	(1.012)	136035	20.0000	14.85
	46 Dibenzofuran	168	15.015	15.015	(1.027)	391367	5.00000	5.128
	47 4-Nitrophenol	109	14.930	14.930	(1.021)	51339	10.0000	9.585
	48 2,4-Dinitrotoluene	165	15.100	15.100	(1.033)	194809	10.0000	10.55
	50 Diethylphthalate	149	15.618	15.618	(1.068)	288848	5.00000	5.171
	49 Fluorene	166	15.726	15.726	(1.076)	302437	5.00000	4.785
	51 4-Chlorophenyl-phenylether	204	15.734	15.734	(1.076)	146641	5.00000	4.806
	52 4-Nitroaniline	138	15.842	15.842	(1.084)	192246	10.0000	11.97
	53 4,6-Dinitro-2-methylphenol	198	15.935	15.935	(0.903)	270059	20.0000	19.08
	54 N-Nitrosodiphenylamine	169	15.989	15.989	(0.906)	184910	5.00000	4.771
$	55 2,4,6-Tribromophenol	330	16.259	16.259	(1.112)	76928	7.50000	7.061
	56 4-Bromophenyl-phenylether	248	16.729	16.729	(0.948)	133054	5.00000	5.058
	57 Hexachlorobenzene	284	17.030	17.030	(0.965)	128425	5.00000	4.962
	58 Pentachlorophenol	266	17.402	17.402	(0.986)	84220	10.0000	7.866
*	59 Phenanthrene-d10	188	17.650	17.650	(1.000)	298535	4.00000	
	60 Phenanthrene	178	17.696	17.696	(1.003)	391258	5.00000	4.970
	61 Anthracene	178	17.789	17.789	(1.008)	426410	5.00000	5.039
	62 Carbazole	167	18.137	18.137	(1.028)	414876	5.00000	4.859
	63 Di-n-butylphthalate	149	18.988	18.988	(1.076)	600019	5.00000	5.459
	64 Fluoranthene	202	20.126	20.126	(0.883)	568377	5.00000	4.830
	65 Pyrene	202	20.551	20.551	(0.902)	597302	5.00000	4.996
$	66 Terphenyl-d14	244	20.868	20.868	(0.916)	355289	5.00000	4.451
	67 Butylbenzylphthalate	149	21.836	21.836	(0.959)	210555	5.00000	4.905
	68 Benzo(a)anthracene	228	22.750	22.750	(0.999)	429561	5.00000	5.107
*	69 Chrysene-d12	240	22.781	22.781	(1.000)	217135	4.00000	
	70 3,3'-Dichlorobenzidine	252	22.734	22.734	(0.998)	436798	15.0000	14.25
	71 Chrysene	228	22.827	22.827	(1.002)	338137	5.00000	5.007
	72 bis(2-Ethylhexyl)phthalate	149	22.889	22.889	(0.959)	287232	5.00000	4.709
*	134 Di-n-octylphthalate-d4	153	23.880	23.880	(1.000)	431489	4.00000	
	73 Di-n-octylphthalate	149	23.896	23.896	(1.001)	558093	5.00000	4.973
	74 Benzo(b)fluoranthene	252	24.561	24.561	(0.973)	400899	5.00000	5.059
	75 Benzo(k)fluoranthene	252	24.600	24.600	(0.975)	371284	5.00000	4.656
	76 Benzo(a)pyrene	252	25.142	25.142	(0.996)	320709	5.00000	4.864
*	77 Perylene-d12	264	25.243	25.243	(1.000)	208922	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	27.584	27.584	(1.093)	268633	5.00000	4.921
	79 Dibenzo(a,h)anthracene	278	27.607	27.607	(1.094)	201814	5.00000	4.543
	80 Benzo(g,h,i)perylene	276	28.275	28.275	(1.120)	232862	5.00000	5.217
	90 N-Nitrosodimethylamine	74	4.166	4.166	(0.486)	224080	10.0000	10.34
	91 Aniline	93	8.036	8.036	(0.938)	280889	10.0000	9.608
	93 Benzidine	184	20.396	20.396	(0.895)	276091	10.0000	5.791
	103 Pyridine	79	4.174	4.174	(0.487)	168179	5.00000	5.251
	105 1-methylnaphthalene	142	12.678	12.678	(1.149)	320789	5.00000	5.356
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.051	16.051	(1.098)	341173	5.00000	4.822

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	24.600	24.600	(0.975)	731880	10.0000	9.490
99 Perylene	252	25.297	25.297	(1.002)	283368	5.00000	4.875
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	15.363	15.363	(1.051)	83130	5.00000	4.818

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020100802.D
Lab Smp Id: SIJ0109-ICV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201008.b\ABN.m
Misc Info:

Calibration Date: 08-OCT-2020
Calibration Time: 09:34
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	81890	40945	163780	81890	0.00
27 Naphthalene-d8	287318	143659	574636	287318	0.00
42 Acenaphthene-d10	155495	77748	310990	155495	0.00
59 Phenanthrene-d10	298535	149268	597070	298535	0.00
69 Chrysene-d12	217135	108568	434270	217135	0.00
134 Di-n-octylphthala	431489	215745	862978	431489	0.00
77 Perylene-d12	208922	104461	417844	208922	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.57	8.07	9.07	8.57	0.00
27 Naphthalene-d8	11.04	10.54	11.54	11.04	0.00
42 Acenaphthene-d10	14.62	14.12	15.12	14.62	0.00
59 Phenanthrene-d10	17.65	17.15	18.15	17.65	0.00
69 Chrysene-d12	22.78	22.28	23.28	22.78	0.00
134 Di-n-octylphthala	23.88	23.38	24.38	23.88	0.00
77 Perylene-d12	25.24	24.74	25.74	25.24	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020100802.D

Lab ID: SIJ0109-ICV1
nt10.i, ABN.m, 08-OCT-2020 10:44

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

No RRT check. Ccal file.

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20201008.b

Instrument: nt10.i Date: 08-OCT-2020 Method: ABN.m

INITIAL CAL: 19-SEP-2020

Compound	%RSD or R^2
Retene	ND

ICV CAL: NT1020100802.D 08-OCT-2020 10:44

Compound	%D
Isophorone	22.10
Benzoic acid	-25.4
Hexachlorocyclopentadiene	-26.51
2,4-Dinitrophenol	-25.8
Pentachlorophenol	-21.34
Benzidine	-42.09

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Instrument ID:	NT10	Calibration:	DJ00051
Lab File ID:	NT1020101314.D	Calibration Date:	10/13/2020
Sequence:	SIJ0179	Injection Date:	10/13/20
Lab Sample ID:	SIJ0179-ICV1	Injection Time:	17:35
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Phenol	A	5.0000	5.3	1.5000220	1.5840090		5.6	+/-20
4-Methylphenol	A	5.0000	5.3	1.0819950	1.1549350		6.7	+/-20
Naphthalene	A	5.0000	5.1	1.0107410	1.0317120		2.1	+/-20
2-Methylnaphthalene	A	5.0000	5.2	0.9292291	0.9670431		4.1	+/-20
Acenaphthylene	A	5.0000	4.4	2.5676850	2.2339900		-13.0	+/-20
Dimethylphthalate	A	5.0000	5.0	1.5618800	1.5537130		-0.5	+/-20
Acenaphthene	A	5.0000	5.1	1.2977410	1.3324260		2.7	+/-20
Dibenzofuran	A	5.0000	5.2	2.0324410	2.1144120		4.0	+/-20
Fluorene	A	5.0000	4.9	1.6679360	1.6251010		-2.6	+/-20
Phenanthrene	A	5.0000	5.0	1.0540050	1.0601880		0.6	+/-20
Anthracene	A	5.0000	5.1	1.1437040	1.1626920		1.7	+/-20
Fluoranthene	A	5.0000	5.2	1.8423460	1.9046720		3.4	+/-20
Pyrene	A	5.0000	5.1	1.9046340	1.9434250		2.0	+/-20
Butylbenzylphthalate	A	5.0000	4.9	0.5956702	0.5787982		-2.8	+/-20
Benzo(a)anthracene	A	5.0000	4.9	1.5946030	1.5477590		-2.9	+/-20
Chrysene	A	5.0000	5.0	1.2170850	1.2257570		0.7	+/-20
bis(2-Ethylhexyl)phthalate	A	5.0000	5.2	0.4723366	0.4950636		4.8	+/-20
Benzofluoranthenes, Total	A	10.000	9.8	1.4713980	1.4463990		-1.7	+/-20
Benzo(a)pyrene	A	5.0000	4.9	1.3595820	1.3372080		-1.6	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	5.0	1.2913420	1.2846180		-0.5	+/-20
Dibenzo(a,h)anthracene	A	5.0000	5.0	1.0276330	1.0202810		-0.7	+/-20
Benzo(g,h,i)perylene	A	5.0000	5.0	1.1134900	1.1132270		-0.02	+/-20
2-Fluorophenol	A	7.5000	8.22	1.1538820	1.2648510		9.6	+/-20
Phenol-d5	A	7.5000	8.08	1.5322930	1.6504070		7.7	+/-20
2-Chlorophenol-d4	A	7.5000	7.58	1.4271760	1.4414610		1.0	+/-20
1,2-Dichlorobenzene-d4	A	5.0000	5.01	0.9722002	0.9740420		0.2	+/-20
Nitrobenzene-d5	A	5.0000	5.20	0.3091852	0.3217988		4.1	+/-20
2-Fluorobiphenyl	A	5.0000	5.17	1.8038630	1.8646230		3.4	+/-20
2,4,6-Tribromophenol	A	7.5000	8.16	0.3375657	0.3673980		8.8	+/-20
p-Terphenyl-d14	A	5.0000	4.83	1.3289680	1.2844340		-3.4	+/-20
1,4-Dichlorobenzene-d4	A	4.0000	4.0	27553.2500	1.0000			

* Values outside of QC limits

Analytical Resources, Incorporated
Analytical Chemists and Consultants

INITIAL CALIBRATION CHECK

EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Instrument ID:	NT10	Calibration:	DJ00051
Lab File ID:	NT1020101314.D	Calibration Date:	10/13/2020
Sequence:	SIJ0179	Injection Date:	10/13/20
Lab Sample ID:	SIJ0179-ICV1	Injection Time:	17:35
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Naphthalene-d8	A	4.0000	4.0	92521.0000	1.0000			
Acenaphthene-d10	A	4.0000	4.0	53736.2500	1.0000			
Phenanthrene-d10	A	4.0000	4.0	106345.0000	1.0000			
Chrysene-d12	A	4.0000	4.0	93299.2500	1.0000			
Di-n-Octylphthalate-d4	A	4.0000	4.0	141593.8000	1.0000			
Perylene-d12	A	4.0000	4.0	97782.2500	1.0000			

* Values outside of QC limits

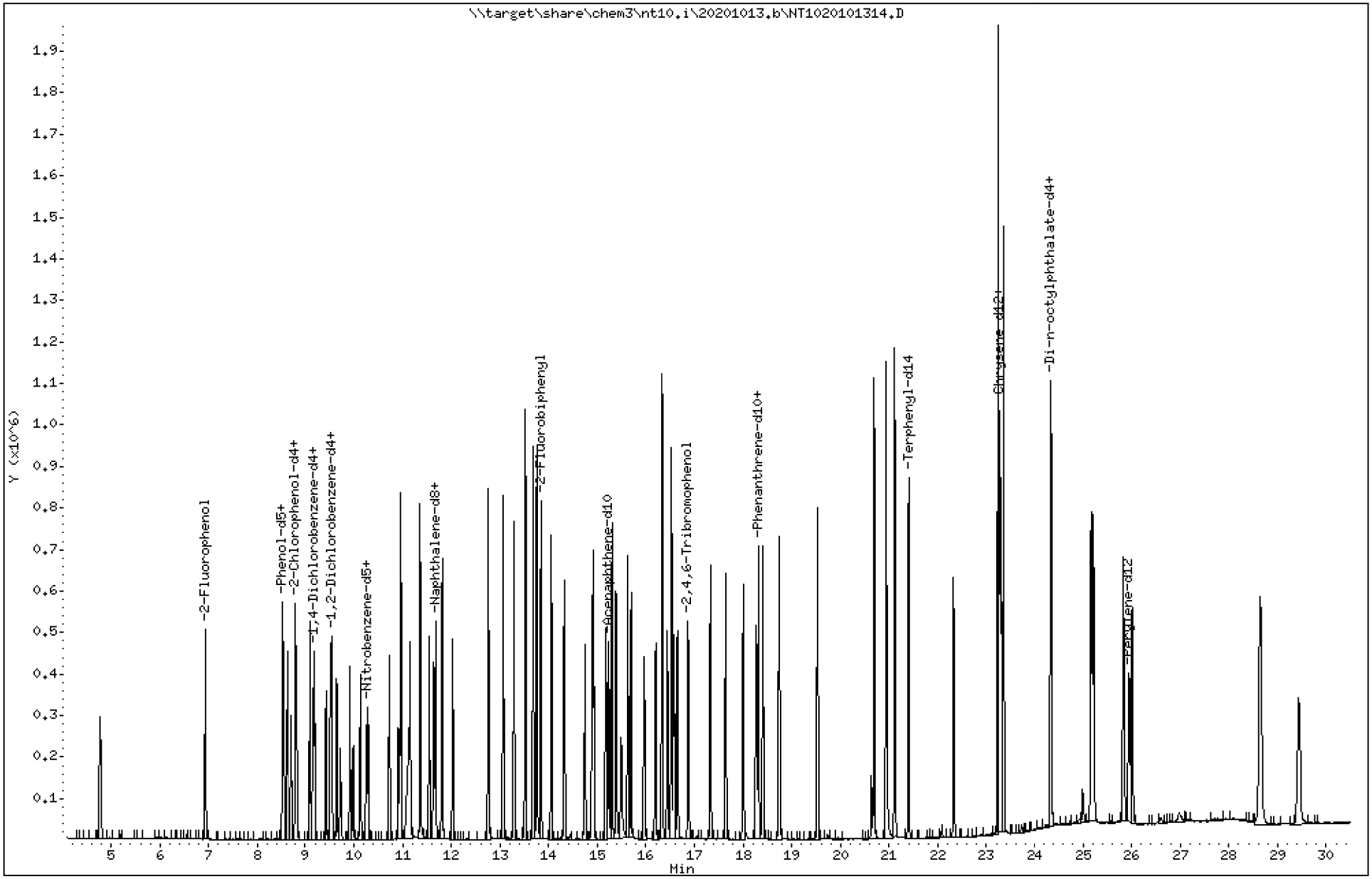
Data File: \\target\share\chem3\nt10.i\20201013.b\NT1020101314.D
Date : 13-OCT-2020 17:35
Client ID:
Sample Info: SIJ0179-ICV1

Instrument: nt10.i

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201013.b\NT1020101314.D
Lab Smp Id: SIJ0179-ICV1
Inj Date : 13-OCT-2020 17:35
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0179-ICV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201013.b\ABN.m
Meth Date : 14-Oct-2020 15:50 nt10.i Quant Type: ISTD
Cal Date : 13-OCT-2020 16:56 Cal File: NT1020101313.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	6.929	6.929	(0.756)	260311	7.50000	8.221
$ 2 Phenol-d5	99	8.513	8.513	(0.929)	339660	7.50000	8.078
3 Phenol	94	8.536	8.536	(0.932)	217330	5.00000	5.280
$ 5 2-Chlorophenol-d4	132	8.799	8.799	(0.960)	296658	7.50000	7.575
4 Bis(2-Chloroethyl)ether	93	8.706	8.706	(0.950)	163946	5.00000	4.844
6 2-Chlorophenol	128	8.822	8.822	(0.963)	204053	5.00000	5.067
7 1,3-Dichlorobenzene	146	9.093	9.093	(0.992)	233497	5.00000	4.981
* 8 1,4-Dichlorobenzene-d4	152	9.163	9.163	(1.000)	109762	4.00000	
9 1,4-Dichlorobenzene	146	9.186	9.186	(1.003)	197055	5.00000	5.000
$ 10 1,2-Dichlorobenzene-d4	152	9.520	9.520	(1.039)	133641	5.00000	5.009
12 1,2-Dichlorobenzene	146	9.543	9.543	(1.042)	204467	5.00000	4.911
11 Benzyl alcohol	108	9.427	9.427	(1.029)	104108	5.00000	4.812
14 2,2'-oxybis(1-Chloropropane)	121	9.722	9.722	(1.061)	62299	5.00000	4.949
13 2-Methylphenol	108	9.644	9.644	(1.053)	143825	5.00000	5.161
17 Hexachloroethane	117	10.133	10.133	(1.106)	77477	5.00000	5.097
16 N-Nitroso-di-n-propylamine	70	9.986	9.986	(1.090)	86054	5.00000	4.885
15 4-Methylphenol	108	9.916	9.916	(1.082)	158460	5.00000	5.337
$ 18 Nitrobenzene-d5	82	10.257	10.257	(0.882)	142077	5.00000	5.204
19 Nitrobenzene	77	10.288	10.288	(0.884)	144889	5.00000	5.099
20 Isophorone	82	10.731	10.731	(0.922)	288751	5.00000	4.913
21 2-Nitrophenol	139	10.918	10.918	(0.938)	122114	5.00000	5.418
22 2,4-Dimethylphenol	107	10.961	10.961	(0.942)	291042	10.0000	10.28
23 Bis(2-Chloroethoxy)methane	93	11.156	11.156	(0.959)	149862	5.00000	4.675
24 Benzoic acid	105	11.148	11.148	(0.958)	319292	20.0000	17.36
25 2,4-Dichlorophenol	162	11.360	11.360	(0.976)	333942	10.0000	10.01
26 1,2,4-Trichlorobenzene	180	11.550	11.550	(0.993)	178788	5.00000	4.891
* 27 Naphthalene-d8	136	11.635	11.635	(1.000)	353207	4.00000	
28 Naphthalene	128	11.673	11.673	(1.003)	455510	5.00000	5.104
29 4-Chloroaniline	127	11.812	11.812	(1.015)	384969	10.0000	9.717
30 Hexachlorobutadiene	225	12.029	12.029	(1.034)	111342	5.00000	5.124
31 4-Chloro-3-methylphenol	107	12.756	12.756	(1.096)	292928	10.0000	10.49
32 2-Methylnaphthalene	142	13.066	13.066	(1.123)	426958	5.00000	5.203
33 Hexachlorocyclopentadiene	237	13.522	13.522	(0.888)	308531	10.0000	10.77

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
34	2,4,6-Trichlorophenol	196	13.685	13.685	(0.898)	281810	10.0000	10.91
35	2,4,5-Trichlorophenol	196	13.754	13.754	(0.903)	315066	10.0000	11.01
$ 36	2-Fluorobiphenyl	172	13.839	13.839	(0.909)	471484	5.00000	5.168
37	2-Chloronaphthalene	162	14.056	14.056	(0.923)	418217	5.00000	5.084
38	2-Nitroaniline	65	14.319	14.319	(0.940)	152548	10.0000	10.96
39	Dimethylphthalate	163	14.745	14.745	(0.968)	392868	5.00000	4.974
40	Acenaphthylene	152	14.923	14.923	(0.980)	564881	5.00000	4.350
41	2,6-Dinitrotoluene	165	14.892	14.892	(0.978)	187262	10.0000	10.28
* 42	Acenaphthene-d10	164	15.232	15.232	(1.000)	202286	4.00000	
43	3-Nitroaniline	138	15.171	15.171	(0.996)	203330	10.0000	10.23
44	Acenaphthene	153	15.302	15.302	(1.005)	336914	5.00000	5.134
45	2,4-Dinitrophenol	184	15.387	15.387	(1.010)	240046	20.0000	17.94
46	Dibenzofuran	168	15.627	15.627	(1.026)	534645	5.00000	5.202
47	4-Nitrophenol	109	15.488	15.488	(1.017)	63996	10.0000	10.43
48	2,4-Dinitrotoluene	165	15.696	15.696	(1.030)	258427	10.0000	10.74
50	Diethylphthalate	149	16.199	16.199	(1.063)	352613	5.00000	5.019
49	Fluorene	166	16.338	16.338	(1.073)	410919	5.00000	4.872
51	4-Chlorophenyl-phenylether	204	16.330	16.330	(1.072)	217217	5.00000	4.964
52	4-Nitroaniline	138	16.446	16.446	(1.080)	255614	10.0000	10.34
53	4,6-Dinitro-2-methylphenol	198	16.531	16.531	(0.905)	394080	20.0000	21.84
54	N-Nitrosodiphenylamine	169	16.577	16.577	(0.908)	244636	5.00000	4.874
$ 55	2,4,6-Tribromophenol	330	16.870	16.870	(1.108)	139349	7.50000	8.163
56	4-Bromophenyl-phenylether	248	17.325	17.325	(0.949)	204209	5.00000	5.178
57	Hexachlorobenzene	284	17.642	17.642	(0.966)	190843	5.00000	4.823
58	Pentachlorophenol	266	17.998	17.998	(0.986)	163302	10.0000	9.664
* 59	Phenanthrene-d10	188	18.261	18.261	(1.000)	390957	4.00000	
60	Phenanthrene	178	18.315	18.315	(1.003)	518110	5.00000	5.029
61	Anthracene	178	18.408	18.408	(1.008)	568203	5.00000	5.083
62	Carbazole	167	18.741	18.741	(1.026)	575309	5.00000	5.138
63	Di-n-butylphthalate	149	19.530	19.530	(1.069)	711198	5.00000	5.169
64	Fluoranthene	202	20.691	20.691	(0.888)	801962	5.00000	5.169
65	Pyrene	202	21.116	21.116	(0.906)	818279	5.00000	5.102
$ 66	Terphenyl-d14	244	21.403	21.403	(0.918)	540811	5.00000	4.832
67	Butylbenzylphthalate	149	22.324	22.324	(0.958)	243703	5.00000	4.858
68	Benzo(a)anthracene	228	23.276	23.276	(0.999)	651684	5.00000	4.853
* 69	Chrysene-d12	240	23.307	23.307	(1.000)	336840	4.00000	
70	3,3'-Dichlorobenzidine	252	23.238	23.238	(0.997)	806311	15.0000	15.32
71	Chrysene	228	23.346	23.346	(1.002)	516105	5.00000	5.036
72	bis(2-Ethylhexyl)phthalate	149	23.346	23.346	(0.959)	294811	5.00000	5.241
* 134	Di-n-octylphthalate-d4	153	24.337	24.337	(1.000)	476401	4.00000	
73	Di-n-octylphthalate	149	24.345	24.345	(1.000)	641348	5.00000	5.130
74	Benzo(b)fluoranthene	252	25.173	25.173	(0.970)	682794	5.00000	5.175
75	Benzo(k)fluoranthene	252	25.220	25.220	(0.972)	654616	5.00000	4.747
76	Benzo(a)pyrene	252	25.831	25.831	(0.996)	591148	5.00000	4.918
* 77	Perylene-d12	264	25.947	25.947	(1.000)	353661	4.00000	
78	Indeno(1,2,3-cd)pyrene	276	28.637	28.637	(1.104)	567899	5.00000	4.974
79	Dibenzo(a,h)anthracene	278	28.660	28.660	(1.105)	451042	5.00000	4.964
80	Benzo(g,h,i)perylene	276	29.437	29.437	(1.134)	492131	5.00000	4.999
90	N-Nitrosodimethylamine	74	4.766	4.766	(0.520)	192384	10.0000	11.03
91	Aniline	93	8.621	8.621	(0.941)	308192	10.0000	9.723
93	Benzidine	184	20.938	20.938	(0.898)	895040	10.0000	9.264
103	Pyridine	79	4.782	4.782	(0.522)	144410	5.00000	5.178
105	1-methylnaphthalene	142	13.290	13.290	(1.142)	400239	5.00000	5.205
111	Azobenzene (1,2-DP-Hydrazine)	77	16.654	16.654	(1.093)	306345	5.00000	4.847

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
187 Total Benzofluoranthenes	252	25.220	25.220	(0.972)	1278837	10.0000	9.830
99 Perylene	252	26.009	26.009	(1.002)	473663	5.00000	5.007
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	15.967	15.967	(1.048)	130460	5.00000	4.740

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020101314.D
Lab Smp Id: SIJ0179-ICV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201013.b\ABN.m
Misc Info:

Calibration Date: 13-OCT-2020
Calibration Time: 09:55
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	109762	54881	219524	109762	0.00
27 Naphthalene-d8	353207	176604	706414	353207	0.00
42 Acenaphthene-d10	202286	101143	404572	202286	0.00
59 Phenanthrene-d10	390957	195479	781914	390957	0.00
69 Chrysene-d12	336840	168420	673680	336840	0.00
134 Di-n-octylphthala	476401	238201	952802	476401	0.00
77 Perylene-d12	353661	176831	707322	353661	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.16	8.66	9.66	9.16	0.00
27 Naphthalene-d8	11.64	11.14	12.14	11.64	0.00
42 Acenaphthene-d10	15.23	14.73	15.73	15.23	0.00
59 Phenanthrene-d10	18.26	17.76	18.76	18.26	0.00
69 Chrysene-d12	23.31	22.81	23.81	23.31	0.00
134 Di-n-octylphthala	24.34	23.84	24.84	24.34	0.00
77 Perylene-d12	25.95	25.45	26.45	25.95	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020101314.D

Lab ID: SIJ0179-ICV1
nt10.i, ABN.m, 13-OCT-2020 17:35

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

No RRT check. Ccal file.

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20201013.b

Instrument: nt10.i Date: 13-OCT-2020 Method: ABN.m

INITIAL CAL: 13-OCT-2020

Compound	%RSD or R^2
Retene	ND

ICV CAL: NT1020101314.D 13-OCT-2020 17:35

Compound	%D
NO Q-FLAGS	

Analytical Resources, Incorporated
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Instrument ID:	NT10	Calibration:	DI00063
Lab File ID:	NT1020091928.D	Calibration Date:	09/22/2020
Sequence:	SII0276	Injection Date:	09/20/20
Lab Sample ID:	SII0276-CCV1	Injection Time:	05:04
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	5.0000	5.3	2.0210150	2.1601620		6.9	+/-50
4-Methylphenol	A	5.0000	5.2	1.3702510	1.4361580		4.8	+/-50
Naphthalene	A	5.0000	5.1	1.0370380	1.0679230		3.0	+/-50
2-Methylnaphthalene	A	5.0000	5.1	0.8638465	0.8763886		1.5	+/-50
Acenaphthylene	A	5.0000	4.9	2.3549840	2.2857860		-2.9	+/-50
Dimethylphthalate	A	5.0000	5.0	1.5712320	1.5645210		-0.4	+/-50
Acenaphthene	A	5.0000	5.0	1.3436690	1.3506210		0.5	+/-50
Dibenzofuran	A	5.0000	5.0	1.9631150	1.9641390		0.05	+/-50
Fluorene	A	5.0000	4.9	1.6259940	1.5848310		-2.5	+/-50
Phenanthrene	A	5.0000	5.0	1.0548050	1.0554350		0.06	+/-50
Anthracene	A	5.0000	5.0	1.1338030	1.1277580		-0.5	+/-50
Fluoranthene	A	5.0000	5.6	2.1679990	2.4071880		11.0	+/-50
Pyrene	A	5.0000	5.5	2.2022770	2.4224440		10.0	+/-50
Butylbenzylphthalate	A	5.0000	5.6	0.7907942	0.8903471		12.6	+/-50
Benzo(a)anthracene	A	5.0000	4.9	1.5495780	1.5183580		-2.0	+/-50
Chrysene	A	5.0000	5.0	1.2440400	1.2513050		0.6	+/-50
bis(2-Ethylhexyl)phthalate	A	5.0000	5.4	0.5654770	0.6115041		8.1	+/-50
Benzofluoranthenes, Total	A	10.000	9.9	1.4750090	1.4560360		-1.3	+/-50
Benzo(a)pyrene	A	5.0000	5.0	1.2623370	1.2567020		-0.4	+/-50
Indeno(1,2,3-cd)pyrene	A	5.0000	5.1	1.0451830	1.0588330		1.3	+/-50
Dibenzo(a,h)anthracene	A	5.0000	5.1	0.8505023	0.8738326		2.7	+/-50
Benzo(g,h,i)perylene	A	5.0000	5.0	0.8571136	0.8516544		-0.6	+/-50
2-Fluorophenol	A	7.5000	7.86	1.4669840	1.5374760		4.8	+/-50
Phenol-d5	A	7.5000	7.96	2.0601030	2.1872860		6.2	+/-50
2-Chlorophenol-d4	A	7.5000	7.56	1.5133110	1.5262610		0.9	+/-50
1,2-Dichlorobenzene-d4	A	5.0000	4.95	0.9811148	0.9705075		-1.1	+/-50
Nitrobenzene-d5	A	5.0000	5.07	0.4162577	0.4220148		1.4	+/-50
2-Fluorobiphenyl	A	5.0000	4.88	1.7887750	1.7474270		-2.3	+/-50
2,4,6-Tribromophenol	A	7.5000	7.17	0.2802730	0.2680072		-4.4	+/-50
p-Terphenyl-d14	A	5.0000	5.55	1.4703140	1.6322590		11.0	+/-50

* Values outside of QC limits

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Page 1

Date : 20-SEP-2020 05:04

Client ID:

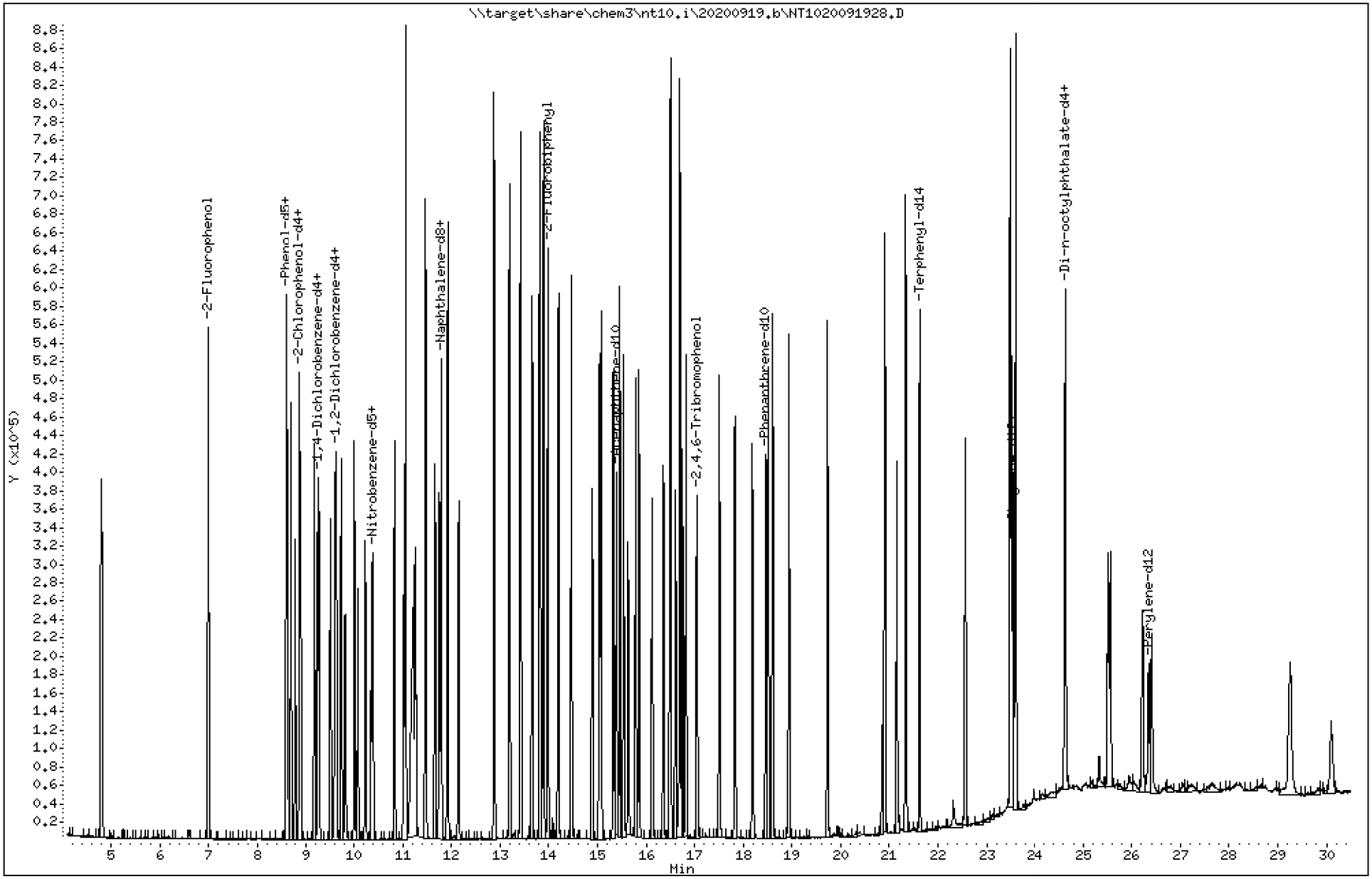
Instrument: nt10.i

Sample Info: SII0276-CCV1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

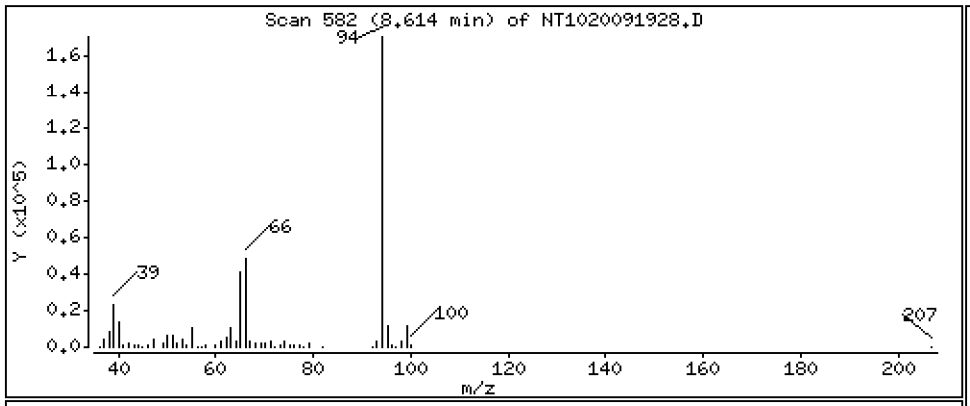
Operator: VTS

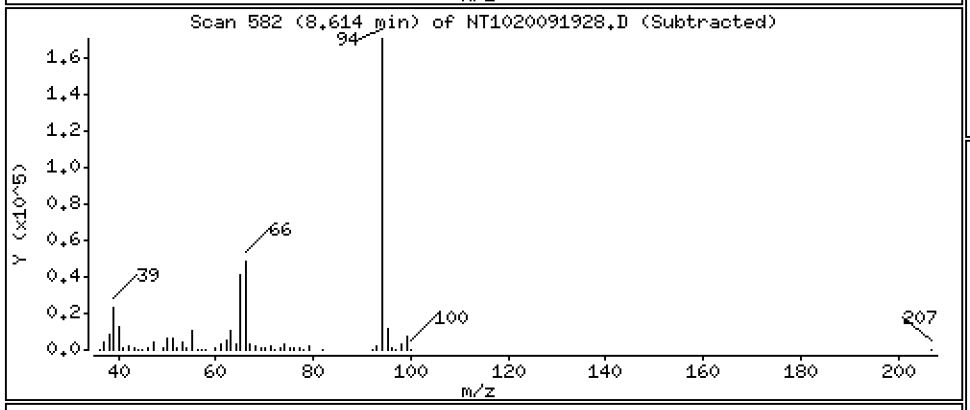
Column phase: ZB-5msi

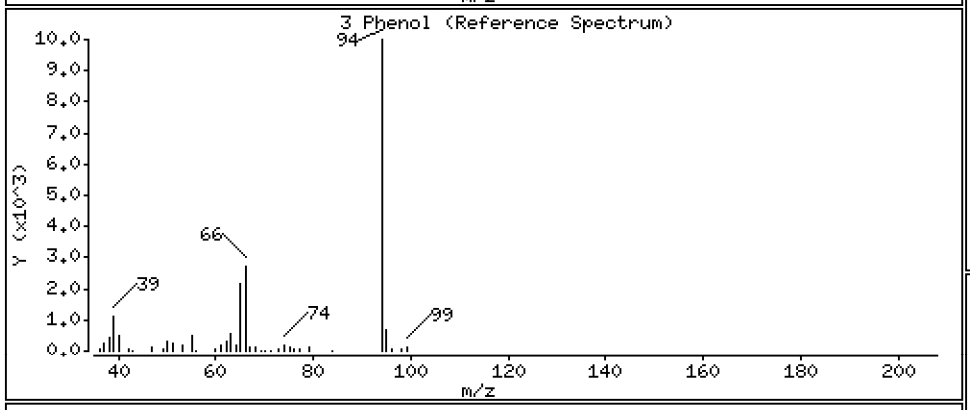
Column diameter: 0.25

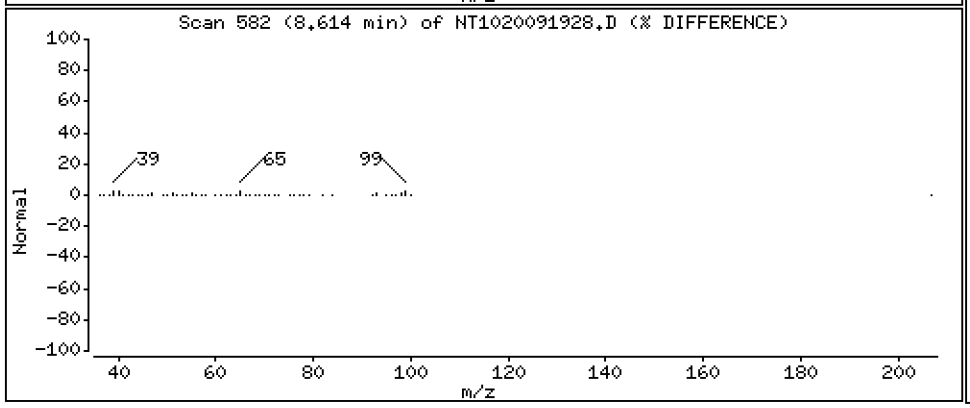
3 Phenol

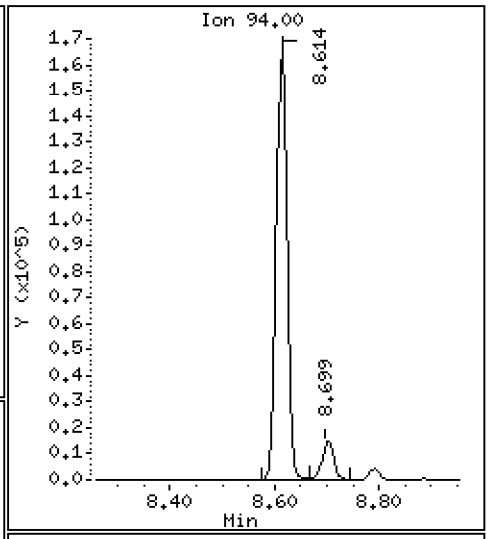
Concentration: 5.344 ug/mL

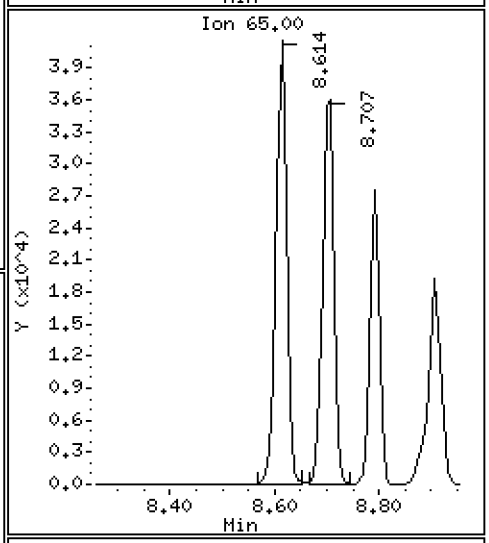


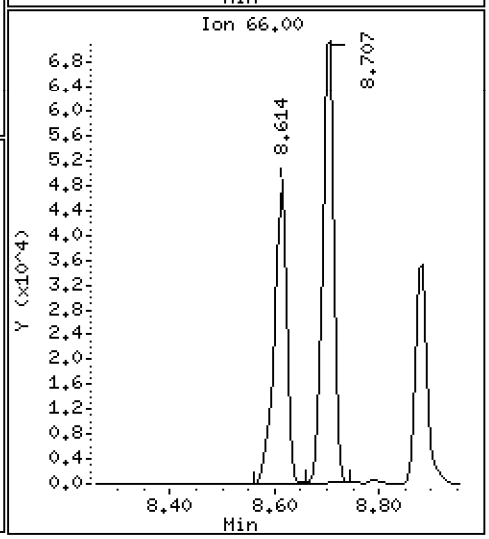












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

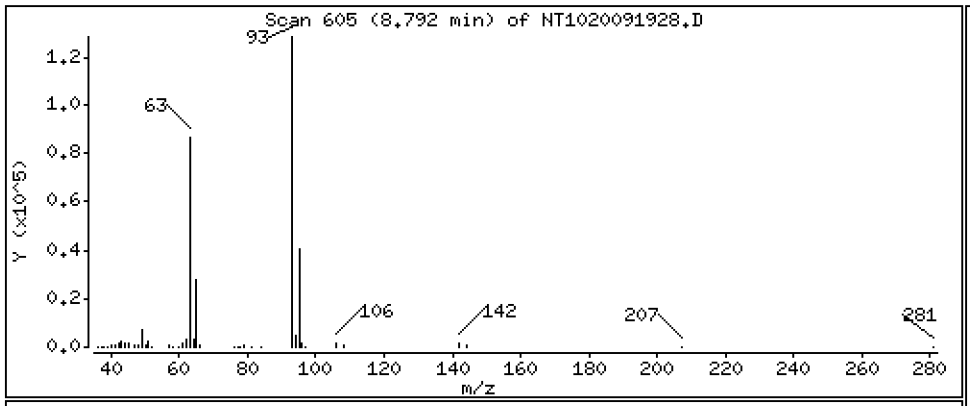
Operator: VTS

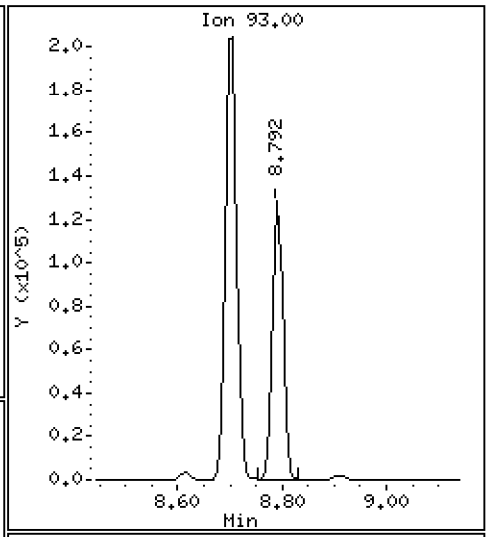
Column phase: ZB-5msi

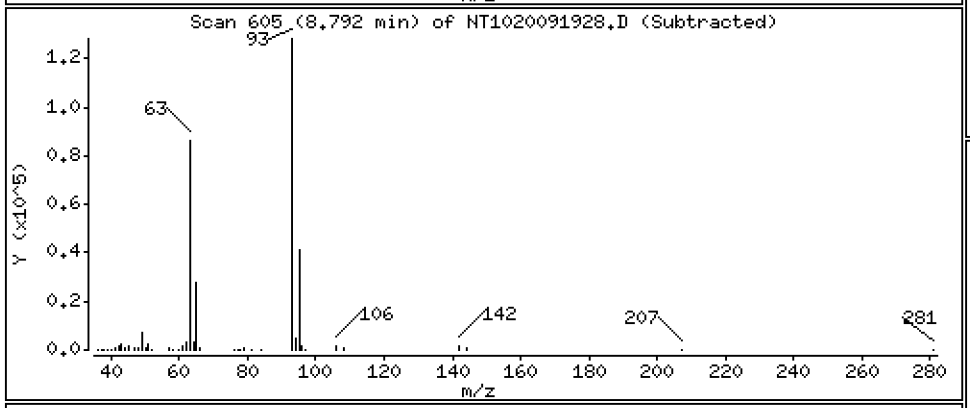
Column diameter: 0.25

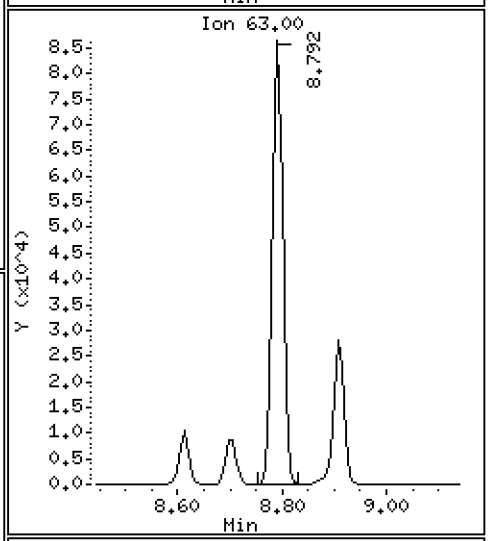
4 Bis(2-Chloroethyl)ether

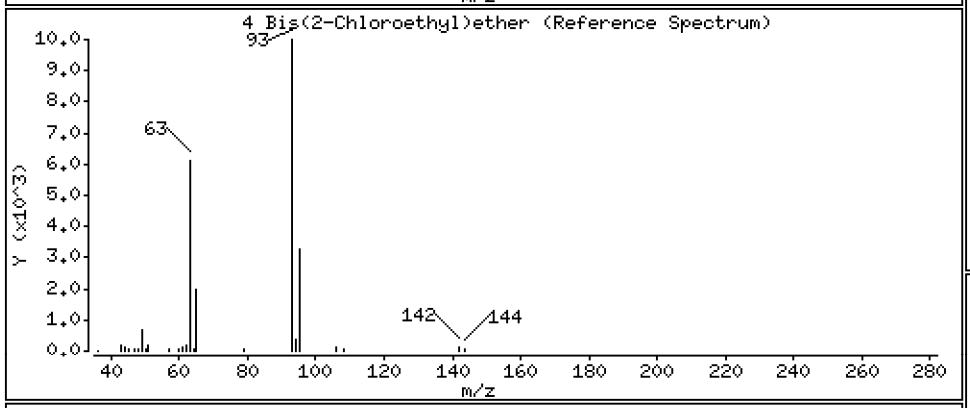
Concentration: 5.147 ug/mL

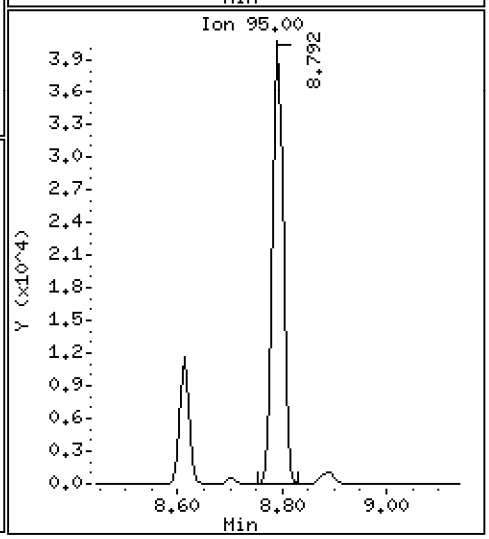


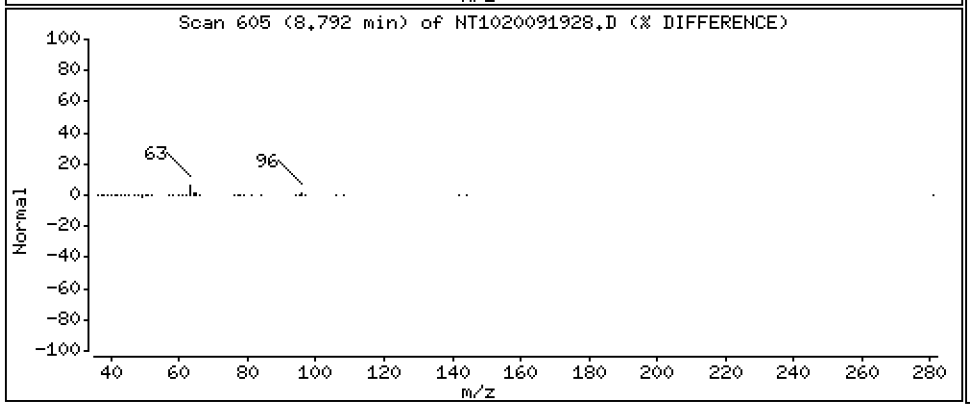












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

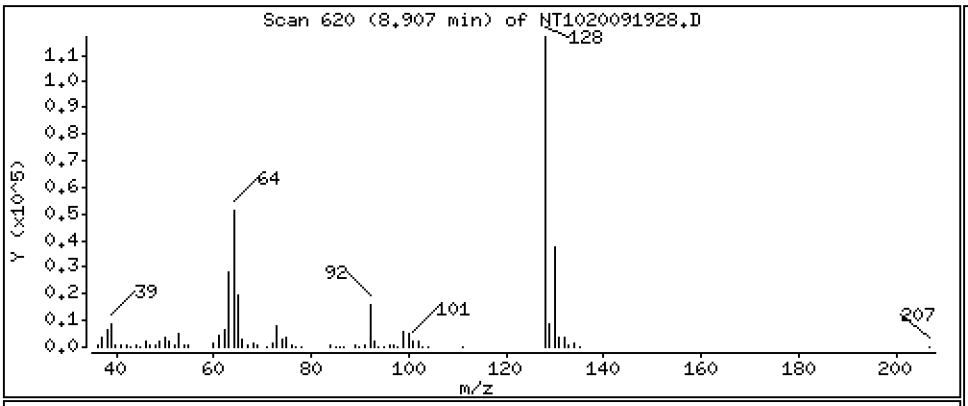
Operator: VTS

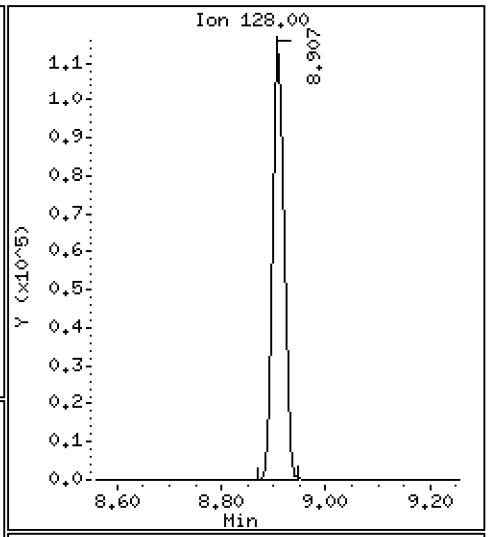
Column phase: ZB-5msi

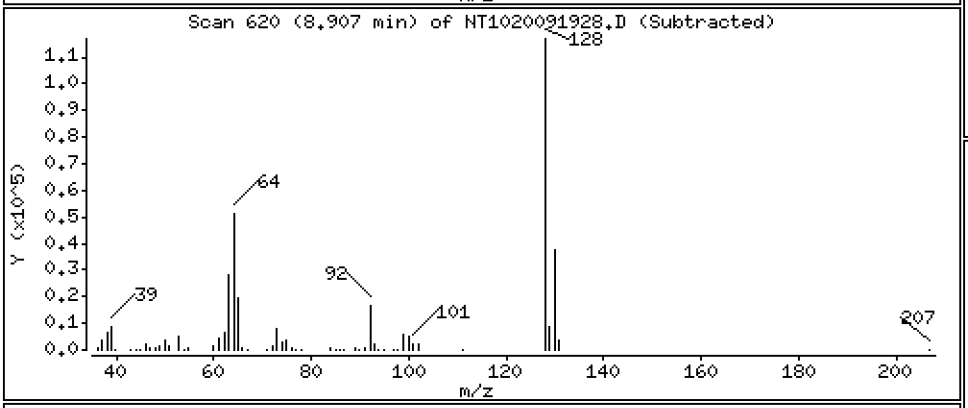
Column diameter: 0.25

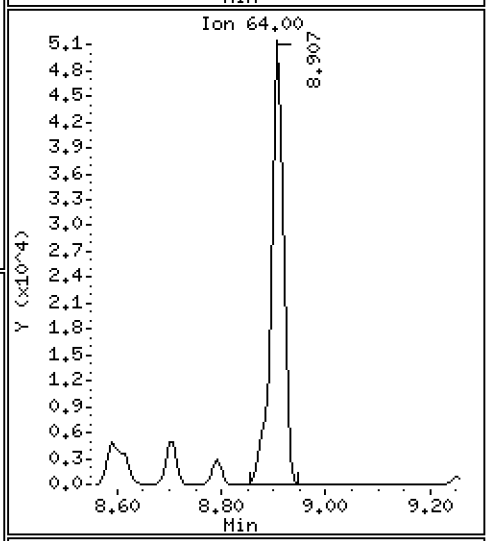
6 2-Chlorophenol

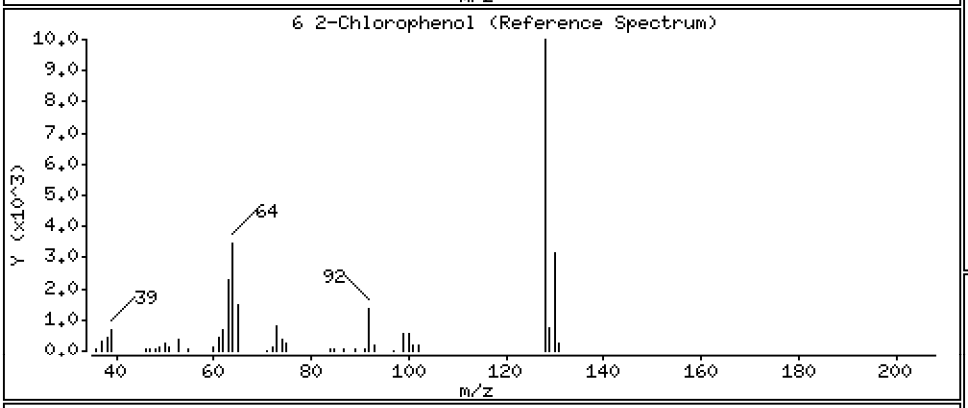
Concentration: 4.909 ug/mL

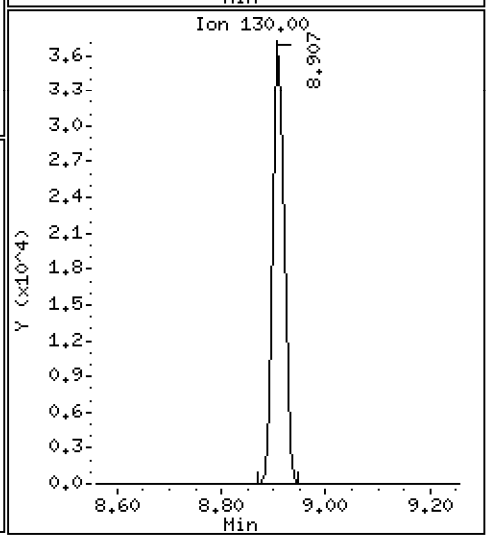


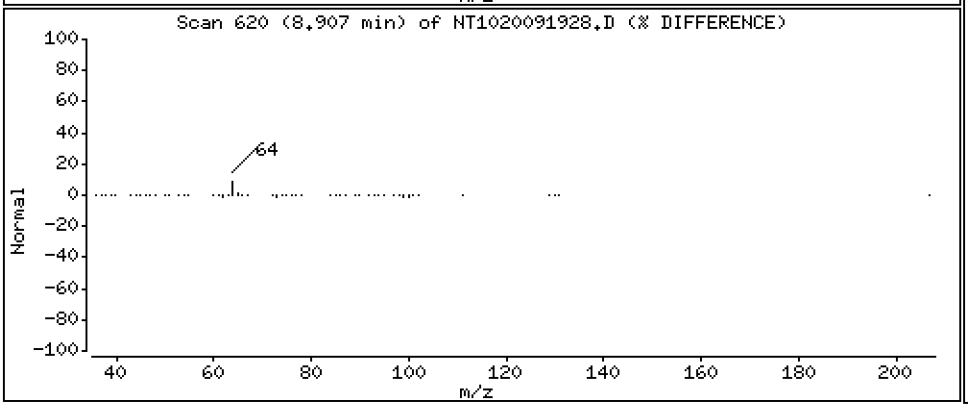












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

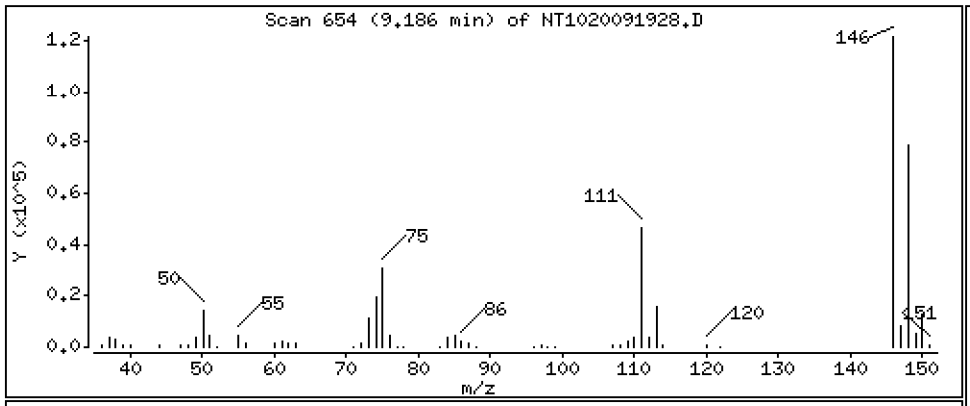
Operator: VTS

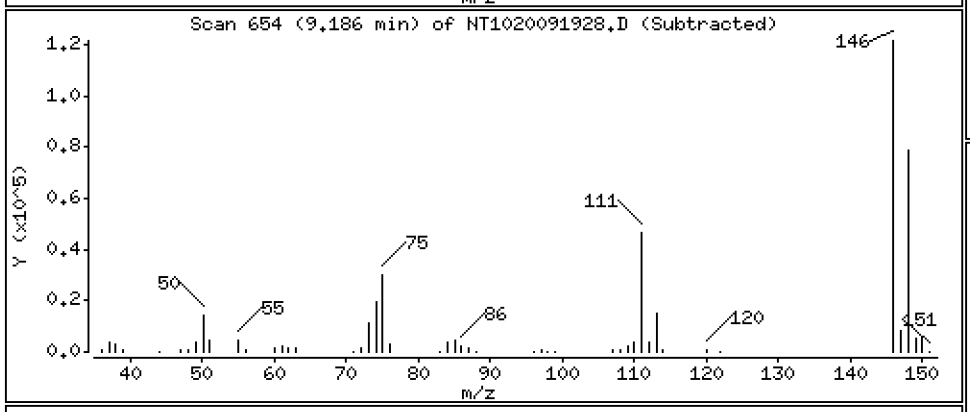
Column phase: ZB-5msi

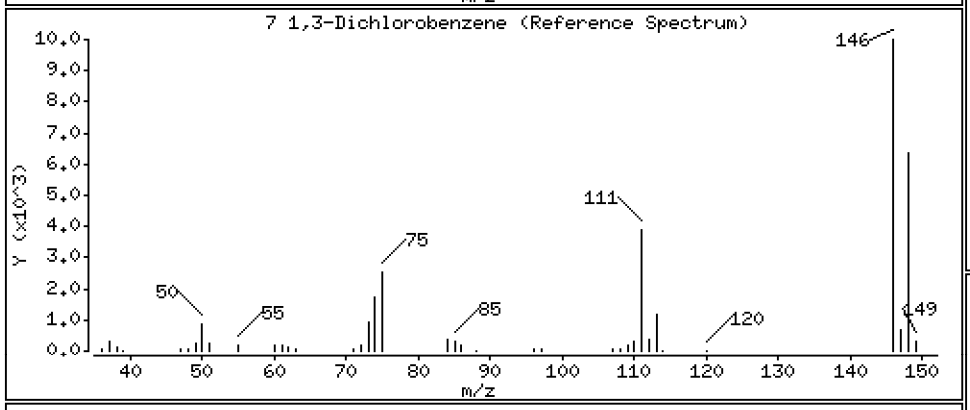
Column diameter: 0.25

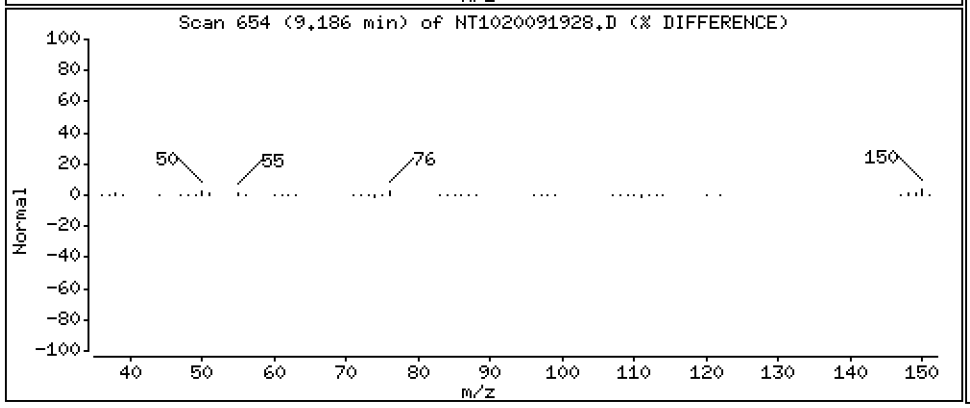
7 1,3-Dichlorobenzene

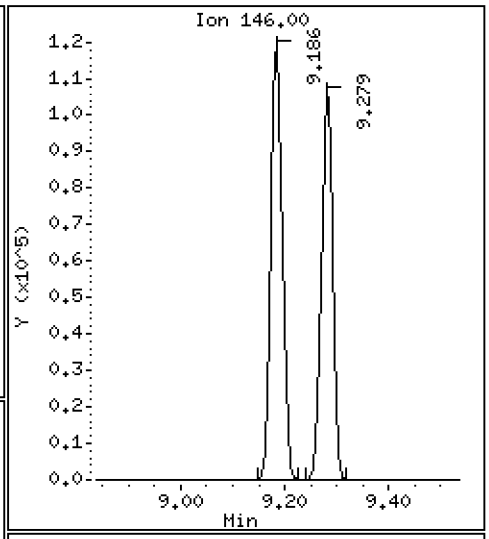
Concentration: 5.160 ug/mL

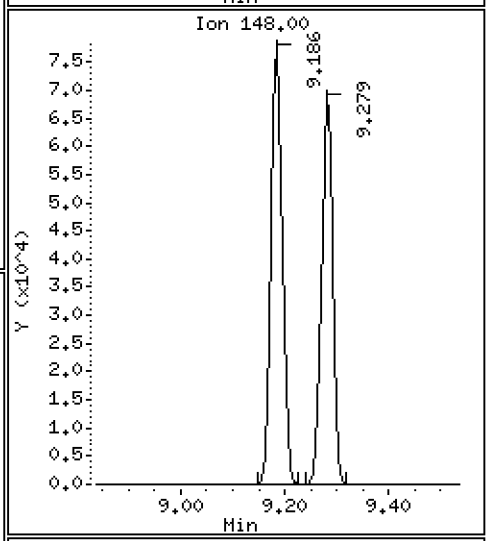


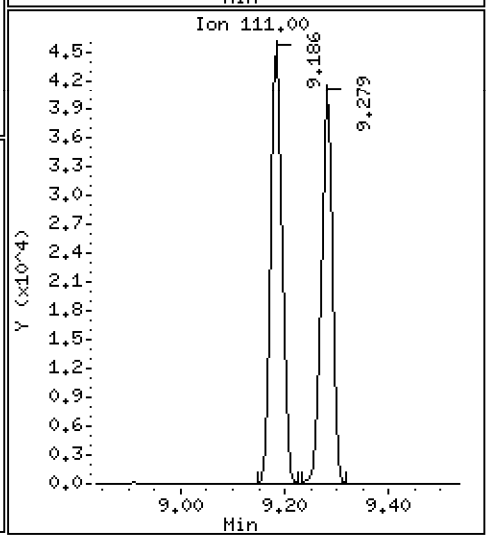












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

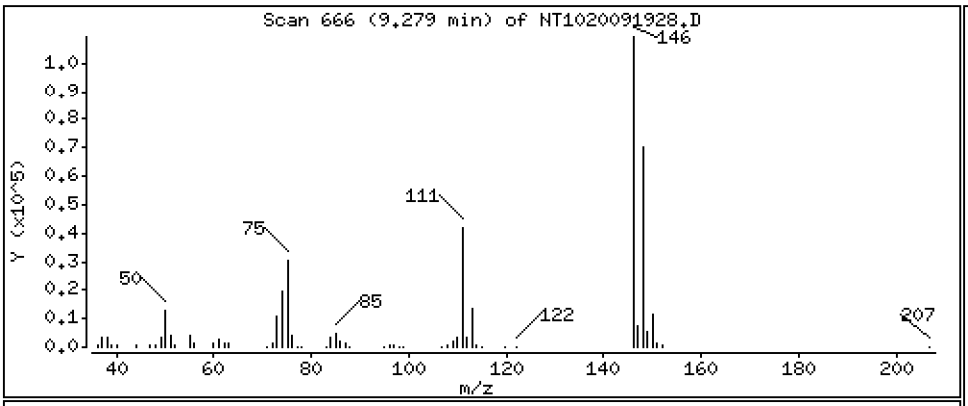
Operator: VTS

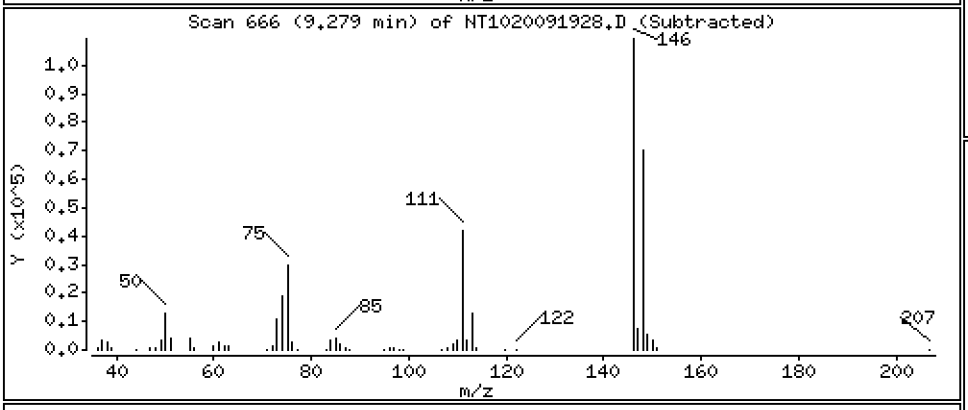
Column phase: ZB-5msi

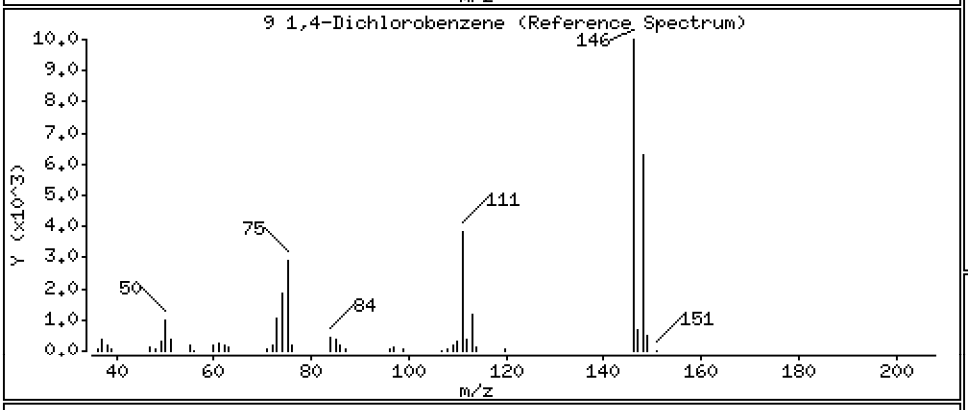
Column diameter: 0.25

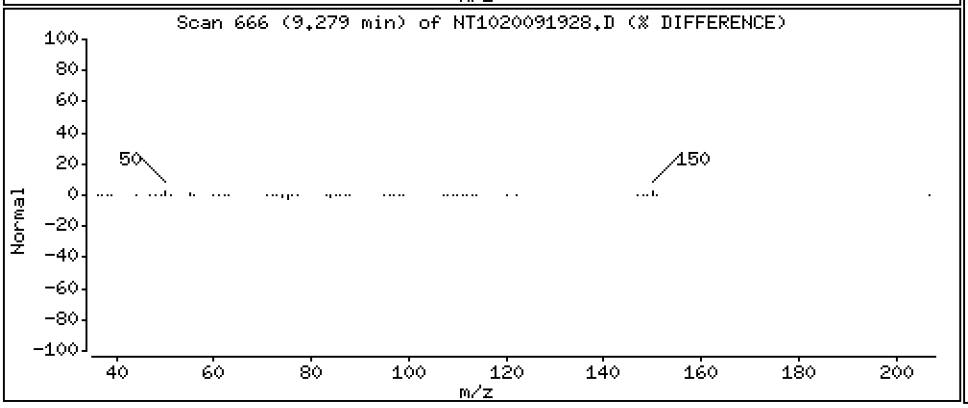
9 1,4-Dichlorobenzene

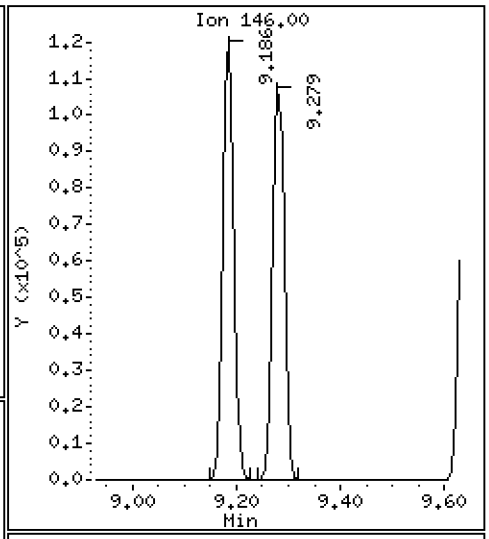
Concentration: 5.263 ug/mL

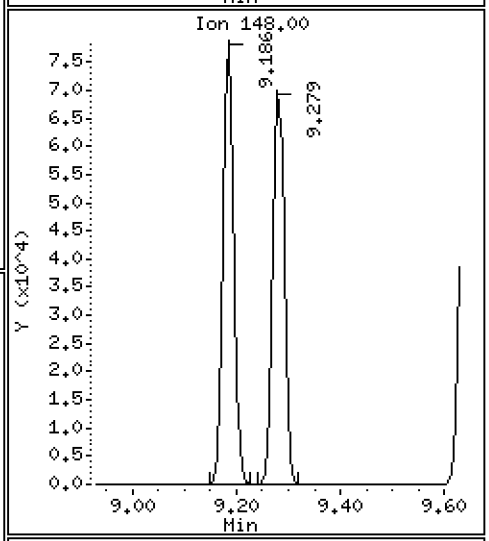


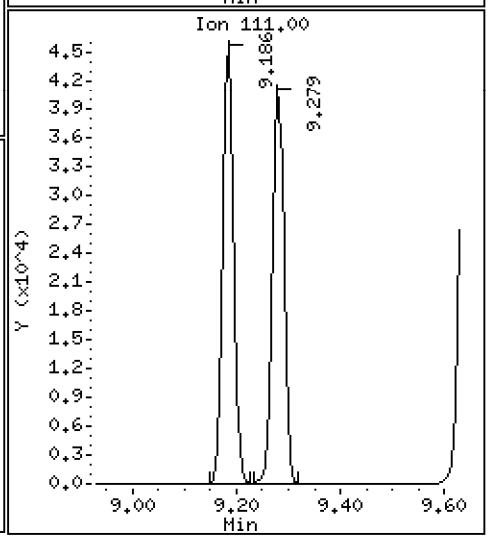












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

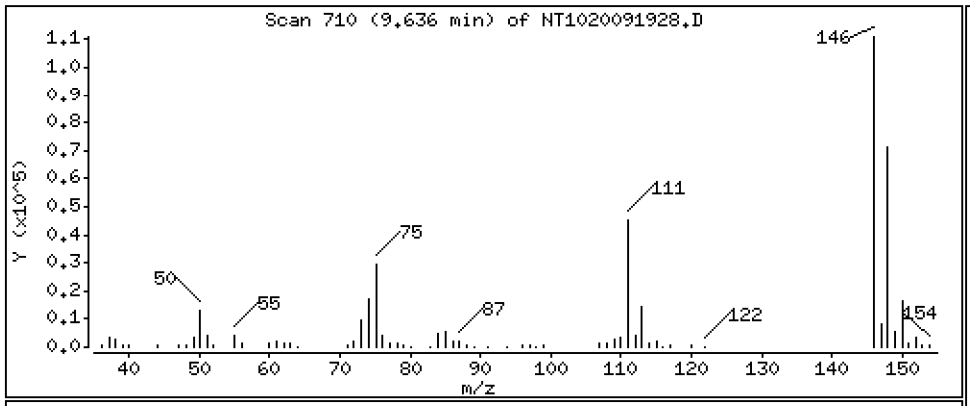
Operator: VTS

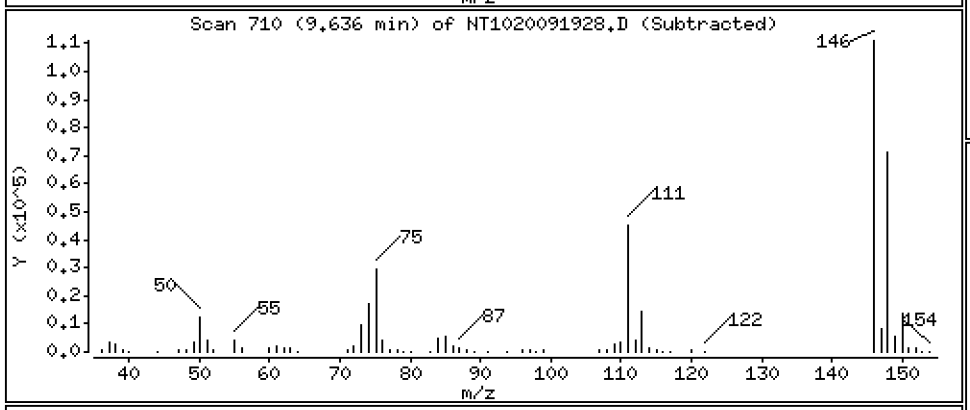
Column phase: ZB-5msi

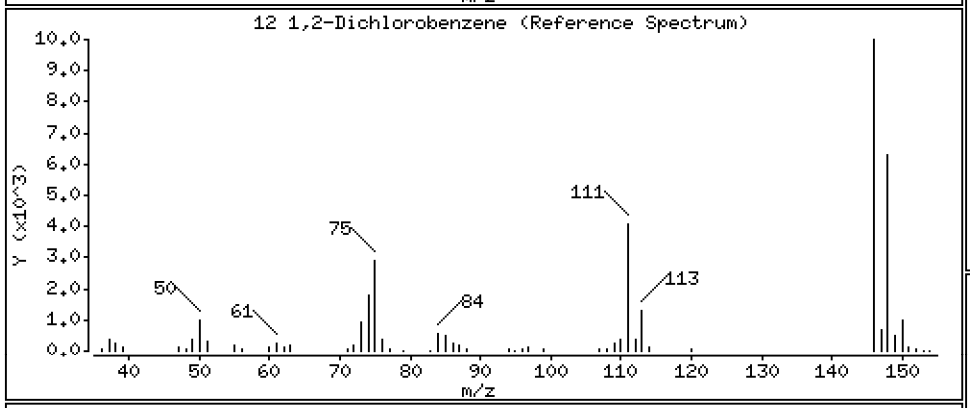
Column diameter: 0.25

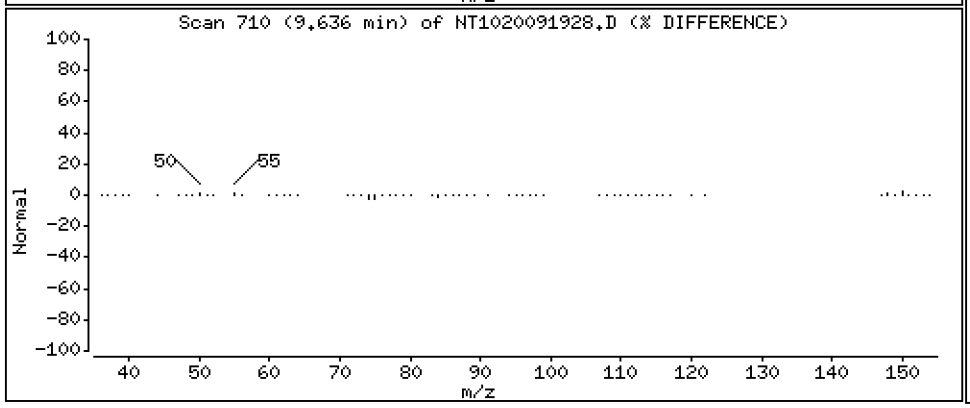
12 1,2-Dichlorobenzene

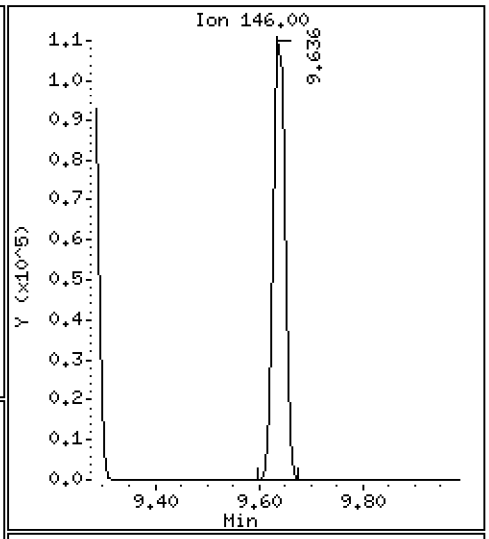
Concentration: 5.138 ug/mL

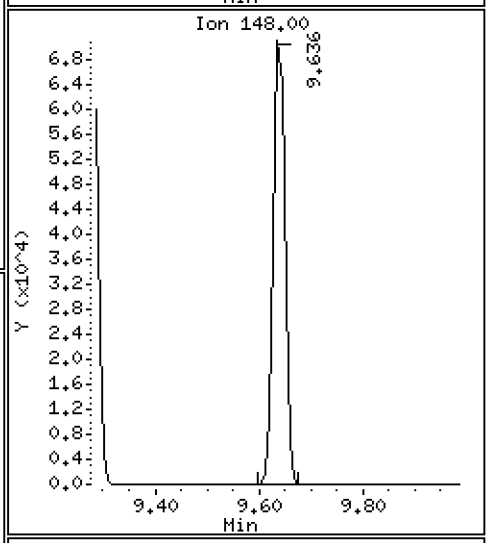


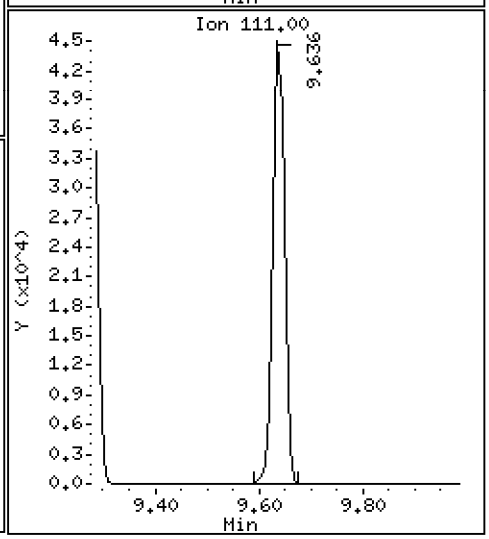












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

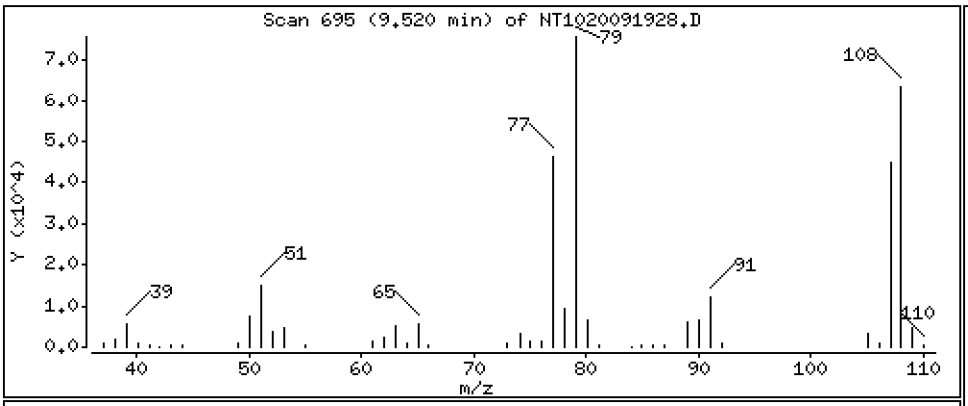
Operator: VTS

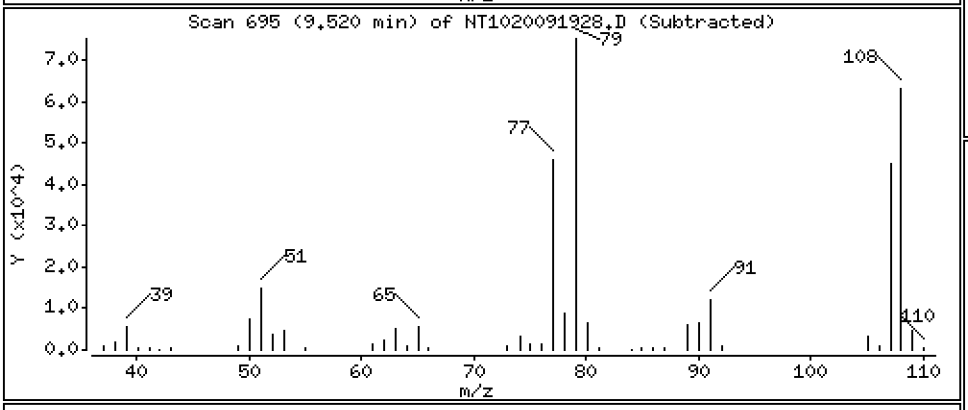
Column phase: ZB-5msi

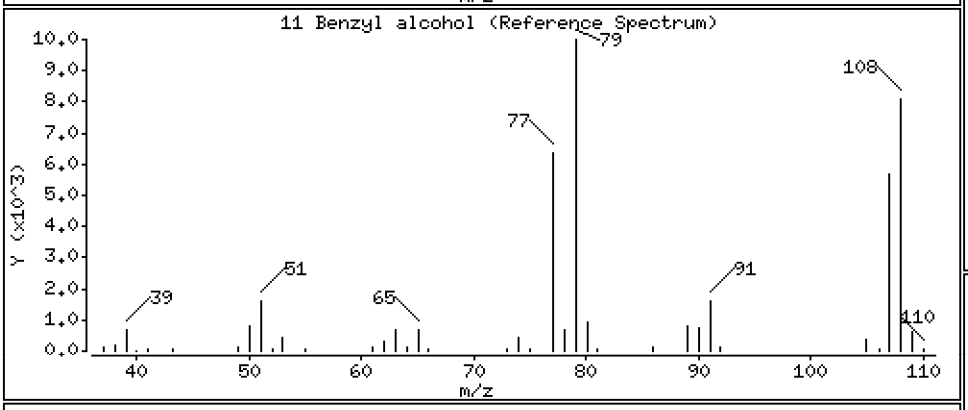
Column diameter: 0.25

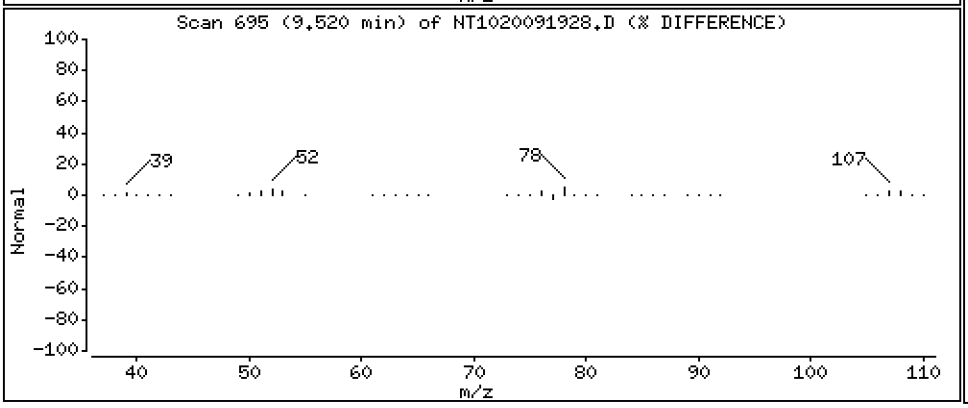
11 Benzyl alcohol

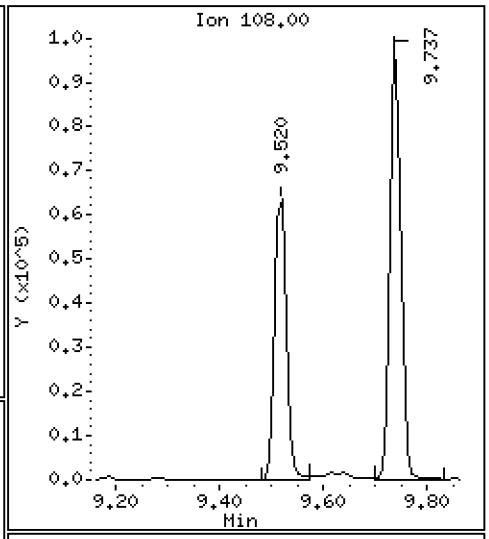
Concentration: 5.229 ug/mL

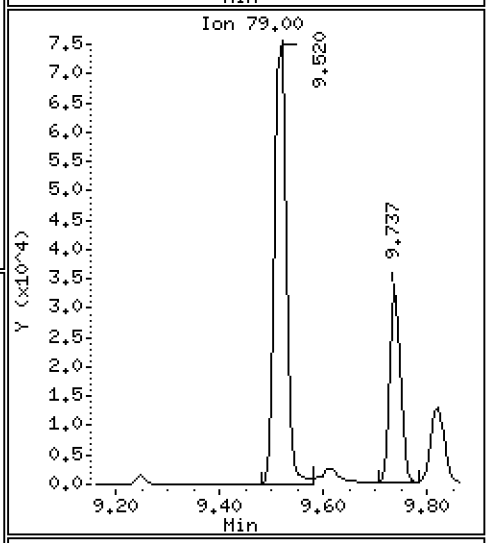


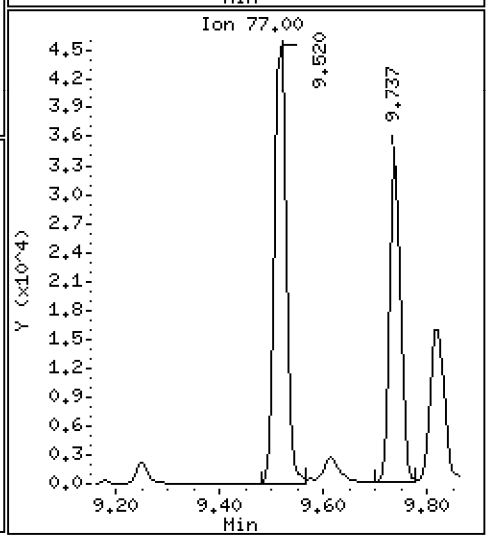












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

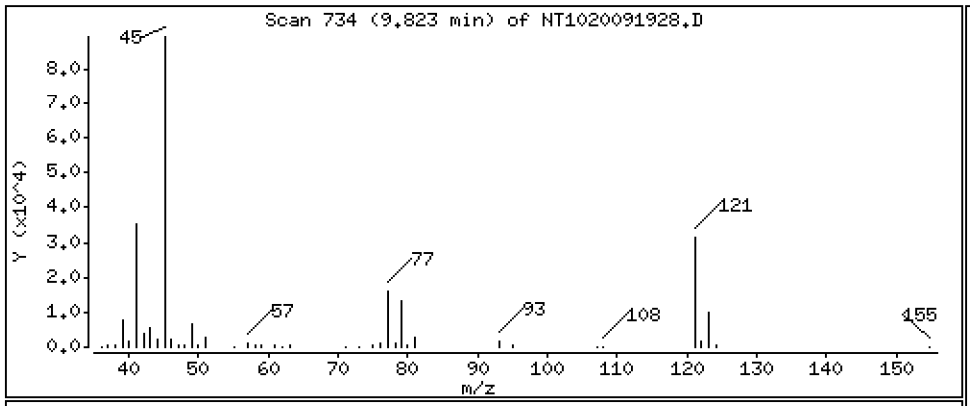
Client ID: Instrument: nt10.i

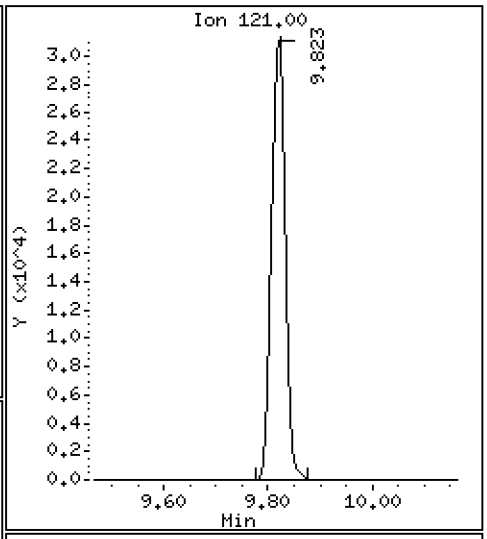
Sample Info: SII0276-CCV1

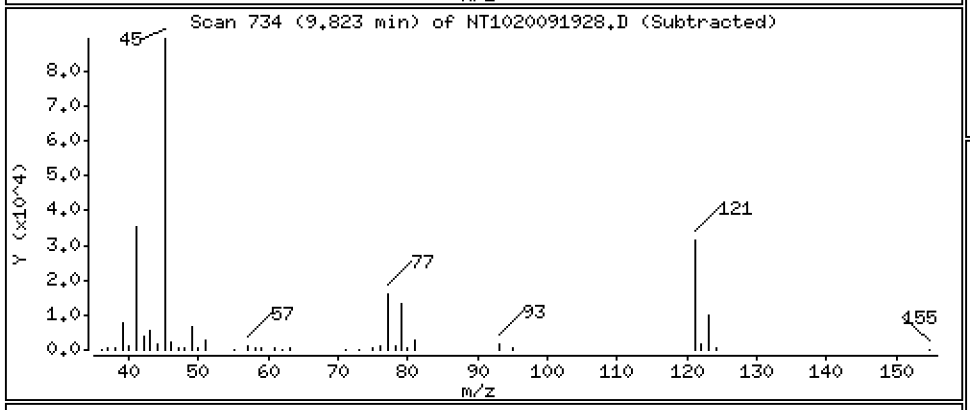
Operator: VTS

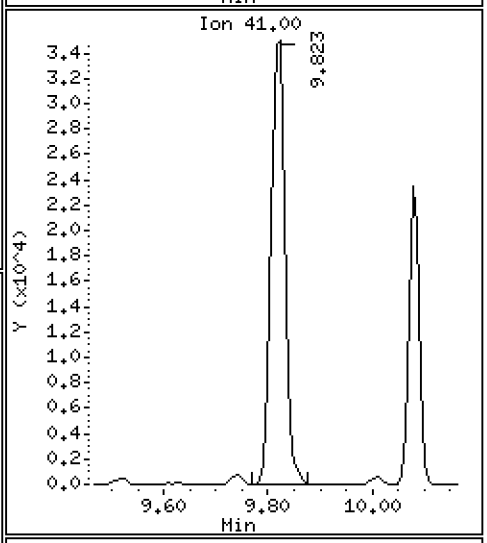
Column phase: ZB-5msi Column diameter: 0.25

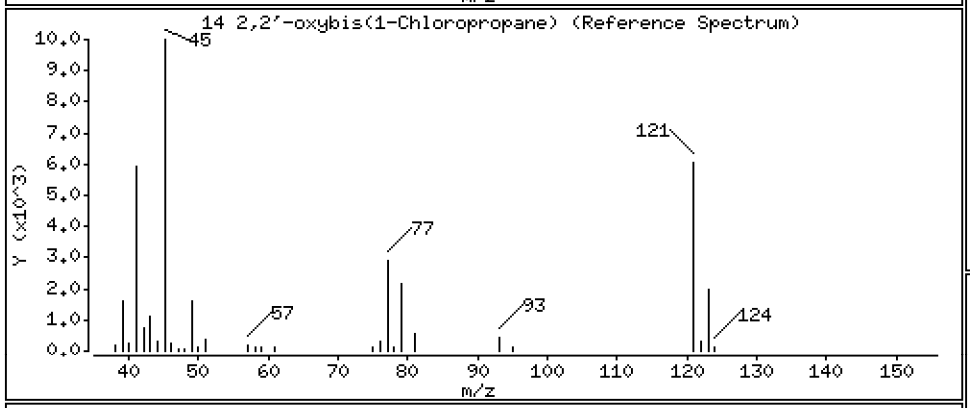
14 2,2'-oxybis(1-Chloropropane) Concentration: 5.147 ug/mL

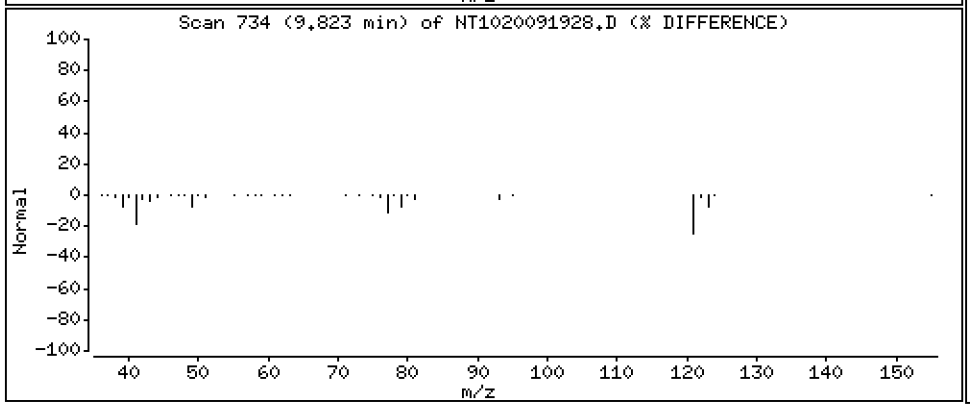


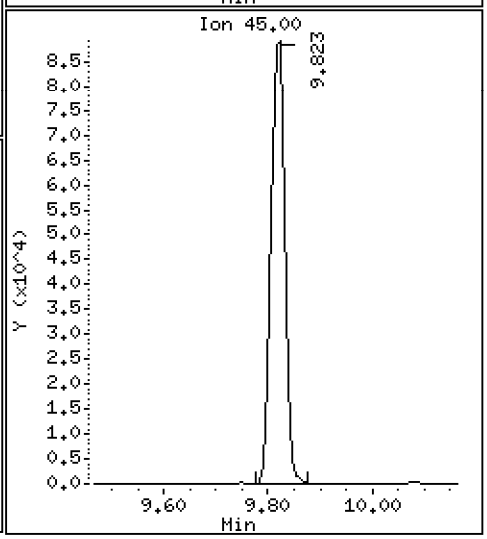












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

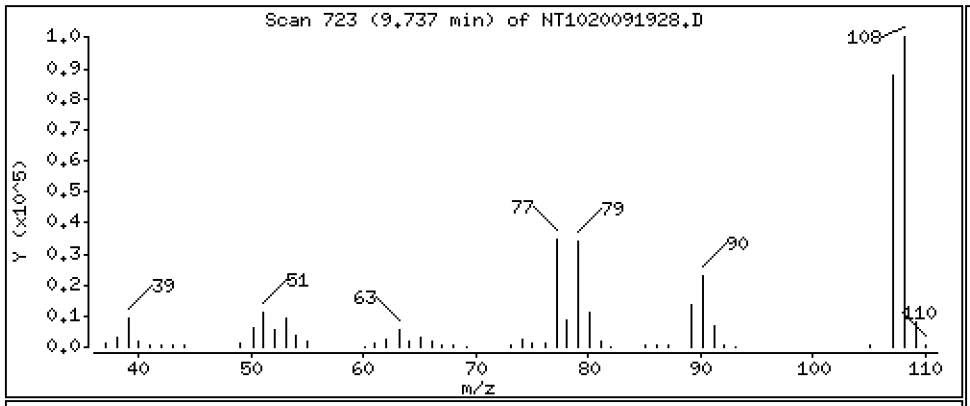
Operator: VTS

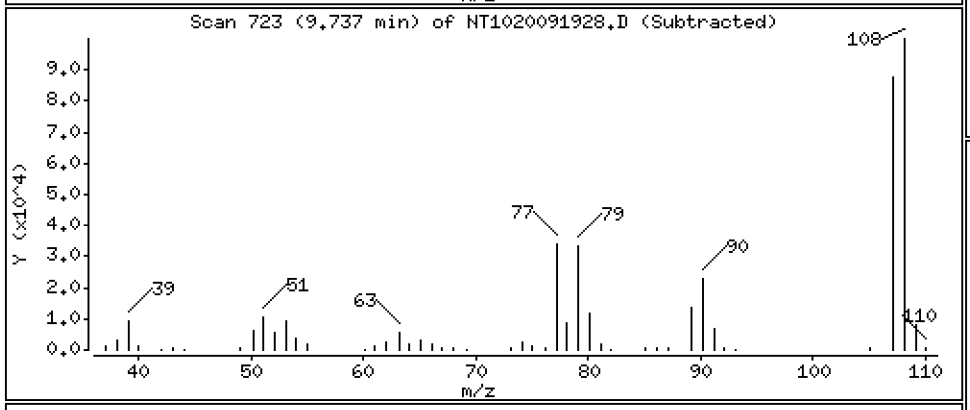
Column phase: ZB-5msi

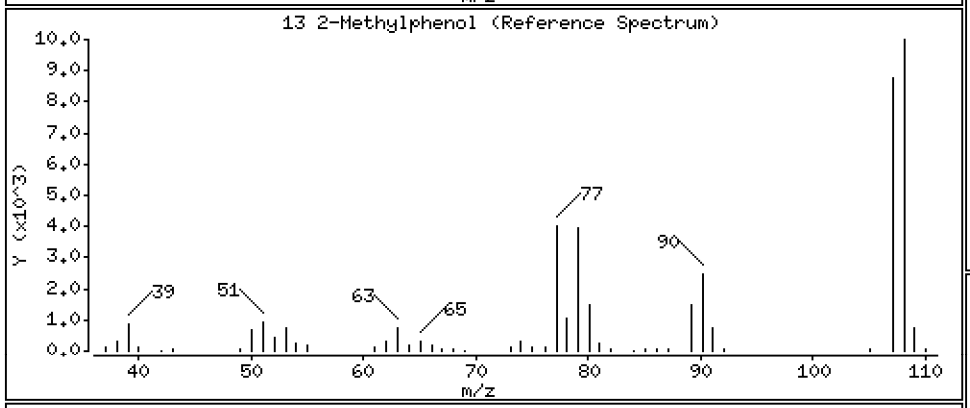
Column diameter: 0.25

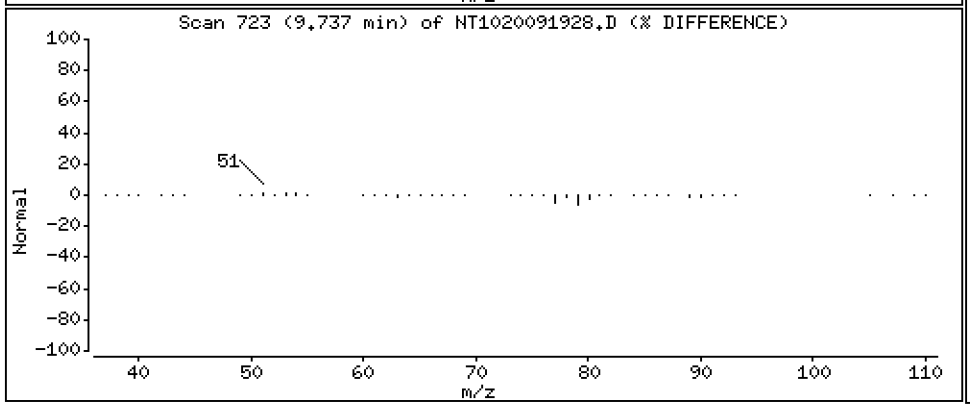
13 2-Methylphenol

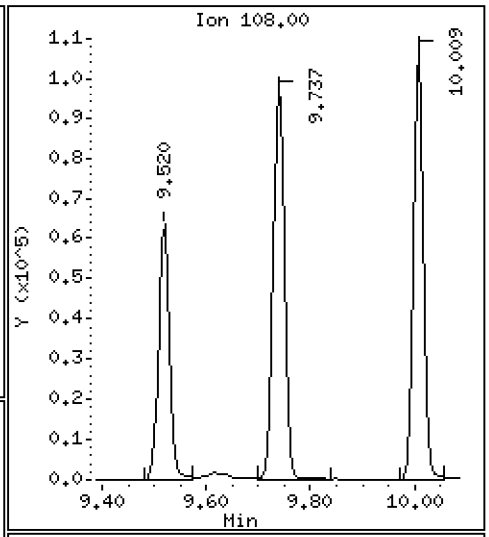
Concentration: 5.207 ug/mL

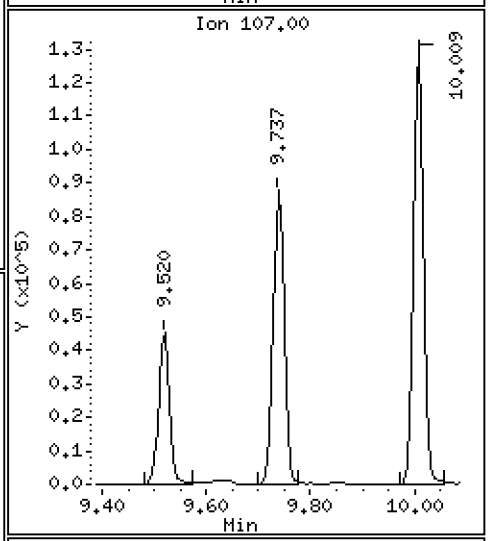


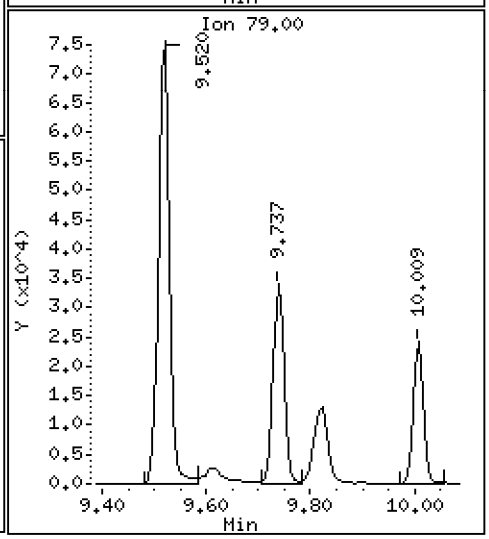












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

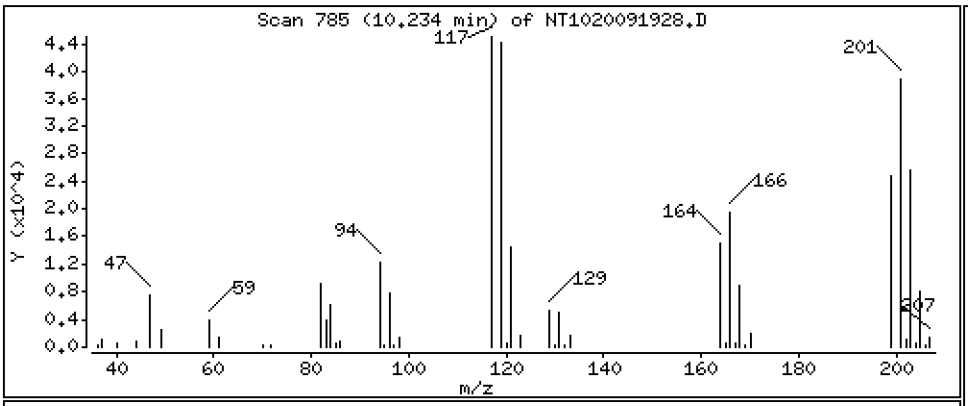
Operator: VTS

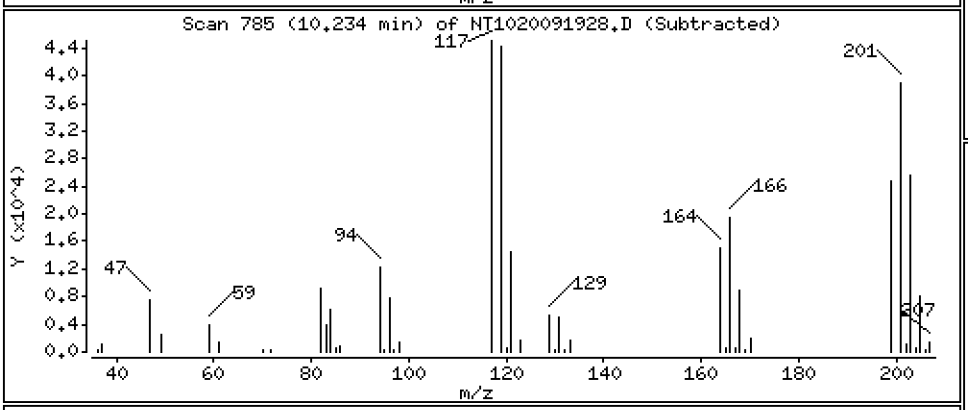
Column phase: ZB-5msi

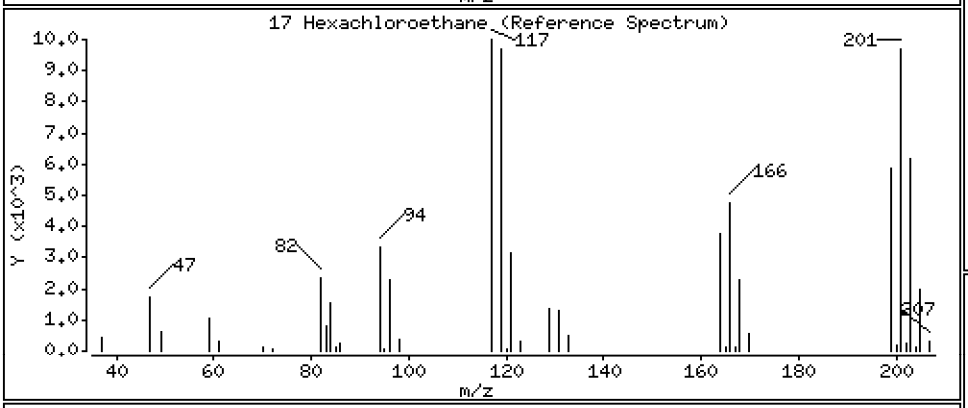
Column diameter: 0.25

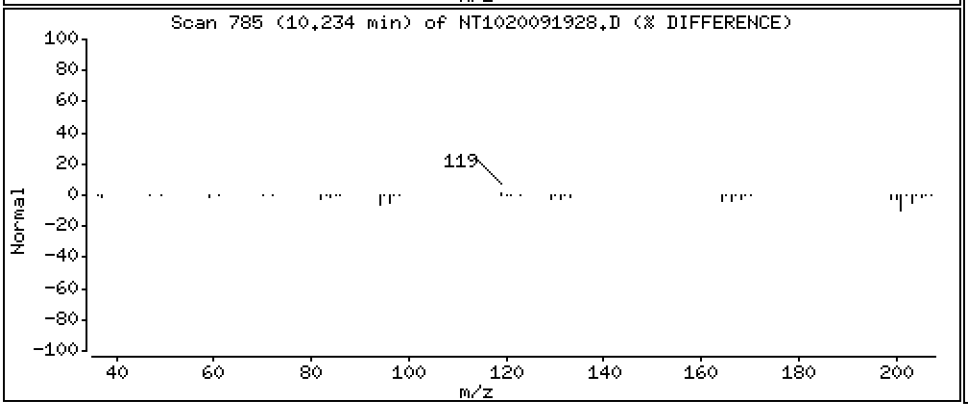
17 Hexachloroethane

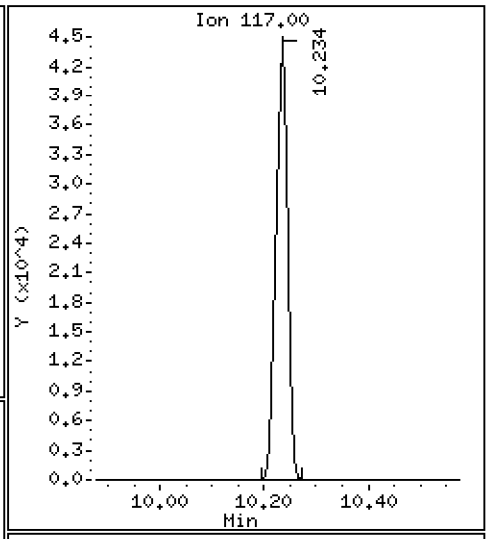
Concentration: 5.159 ug/mL

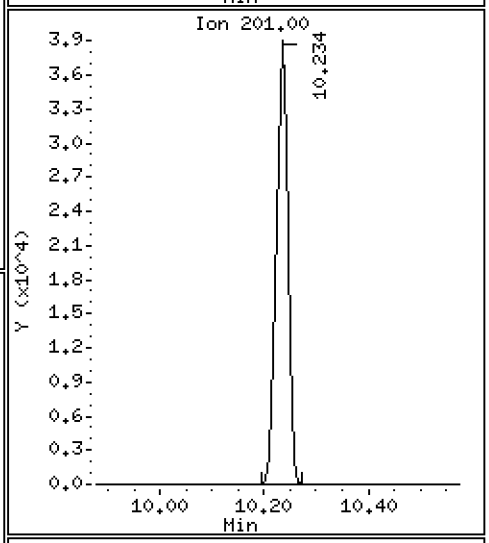


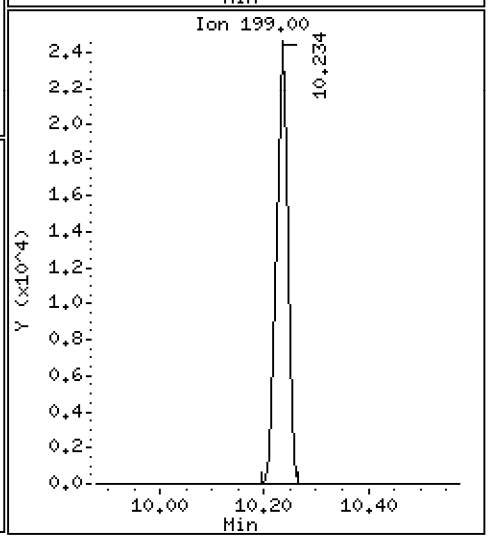












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

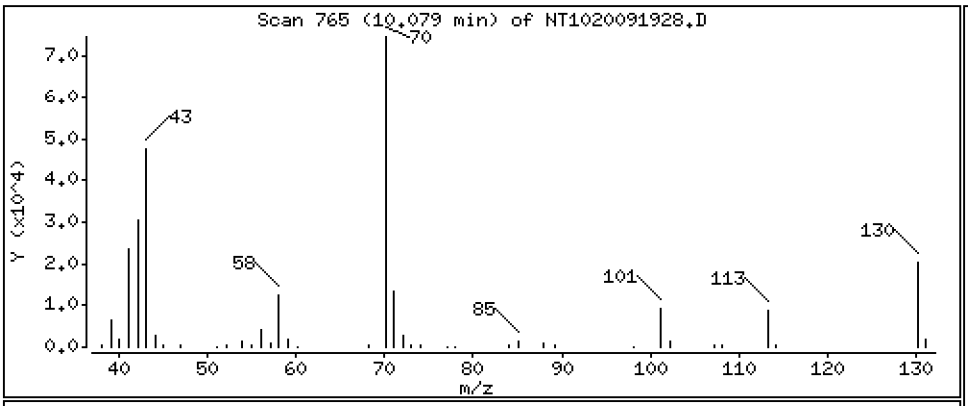
Operator: VTS

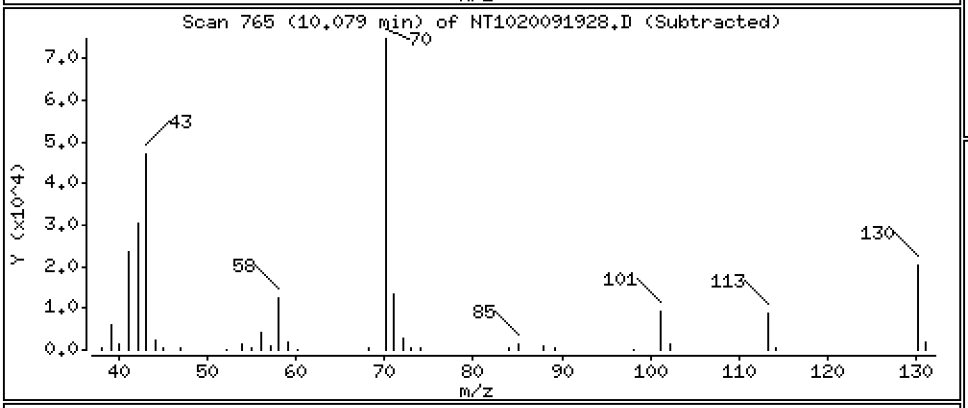
Column phase: ZB-5msi

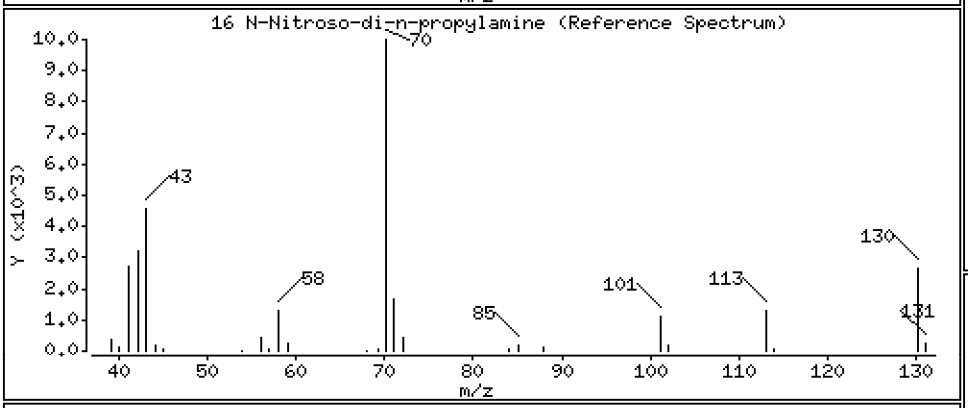
Column diameter: 0.25

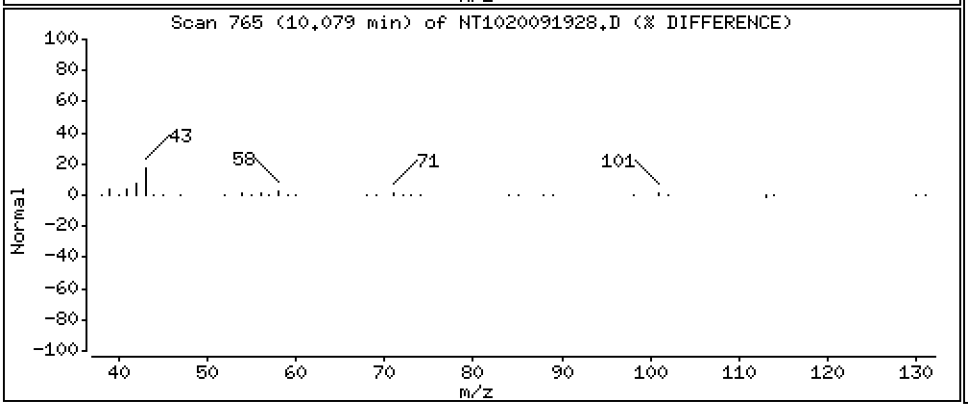
16 N-Nitroso-di-n-propylamine

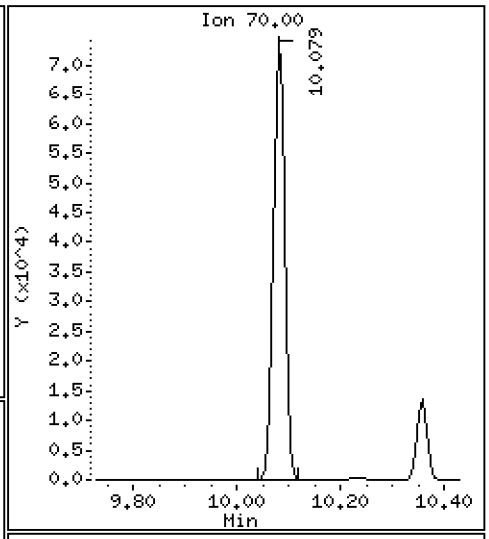
Concentration: 5.366 ug/mL

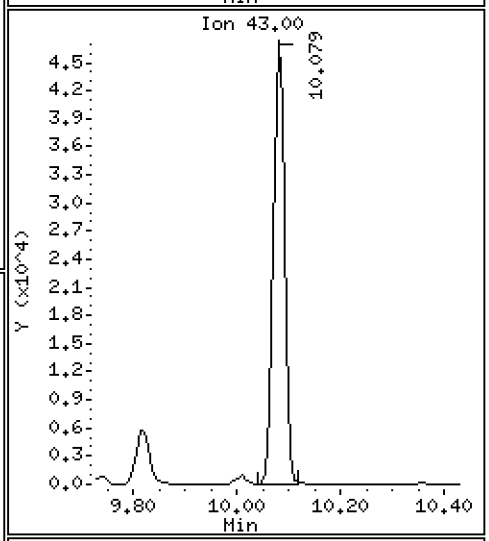


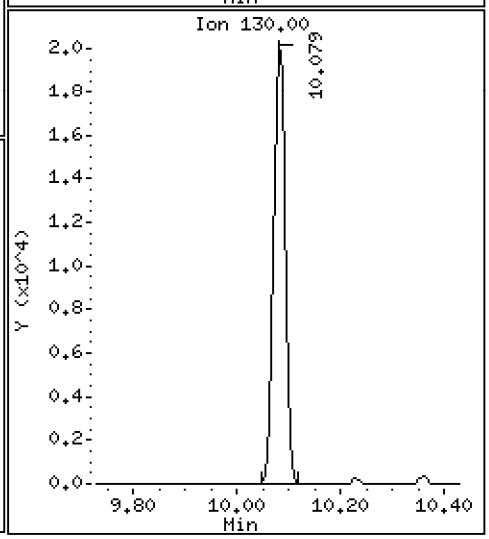












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

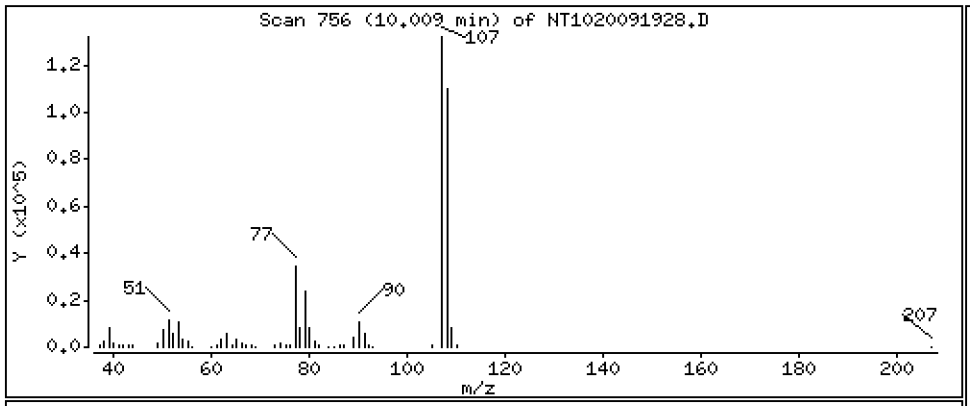
Operator: VTS

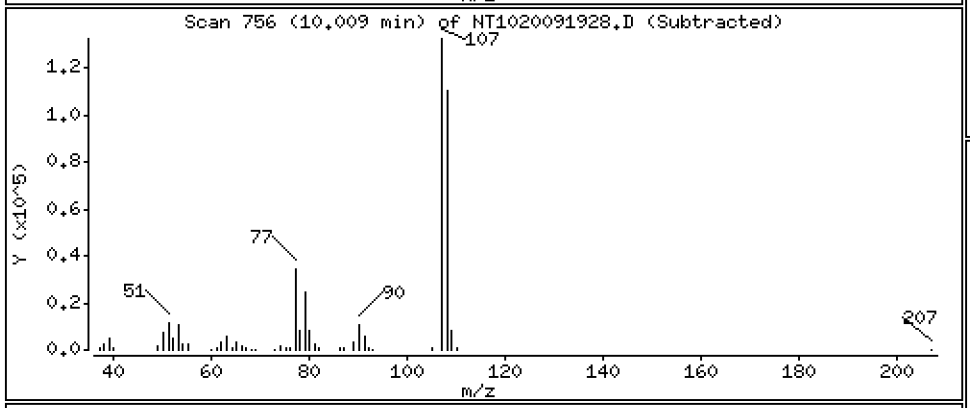
Column phase: ZB-5msi

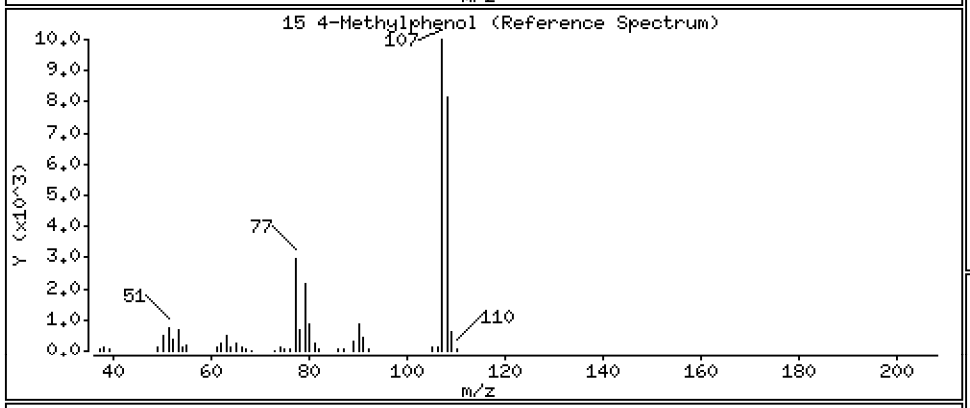
Column diameter: 0.25

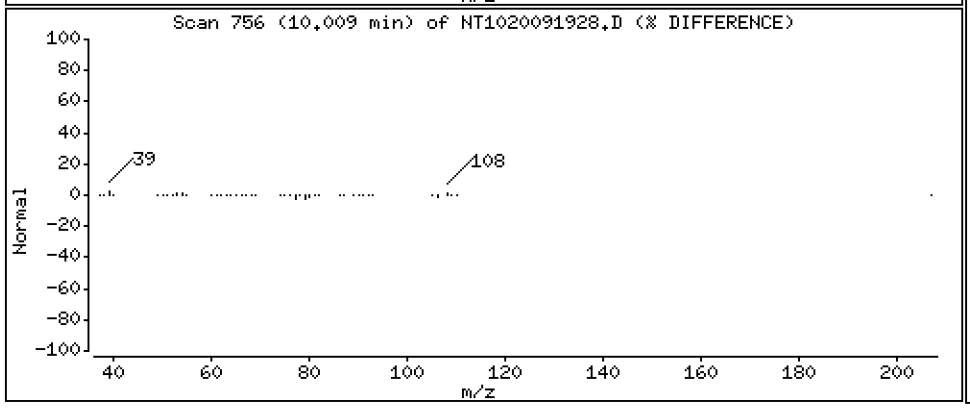
15 4-Methylphenol

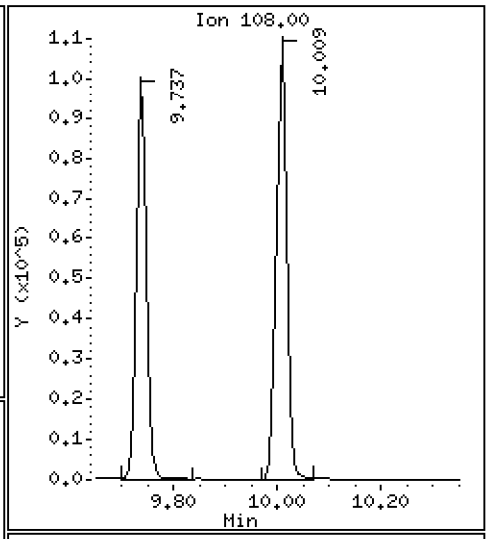
Concentration: 5.240 ug/mL

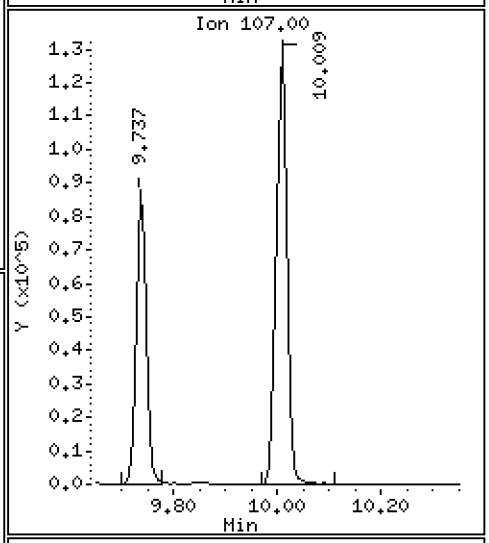


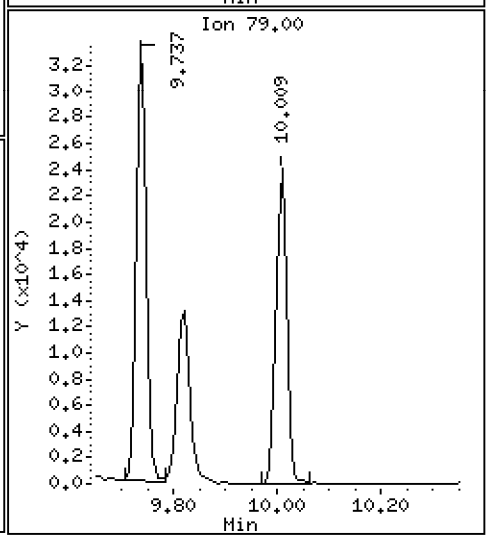












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

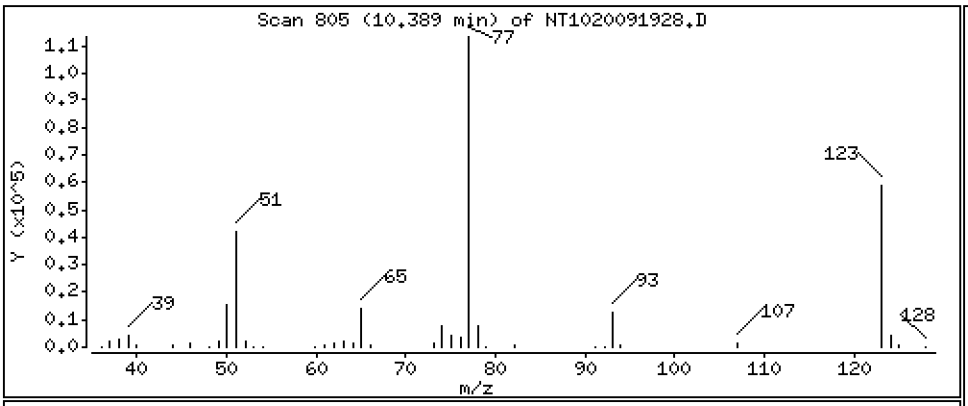
Operator: VTS

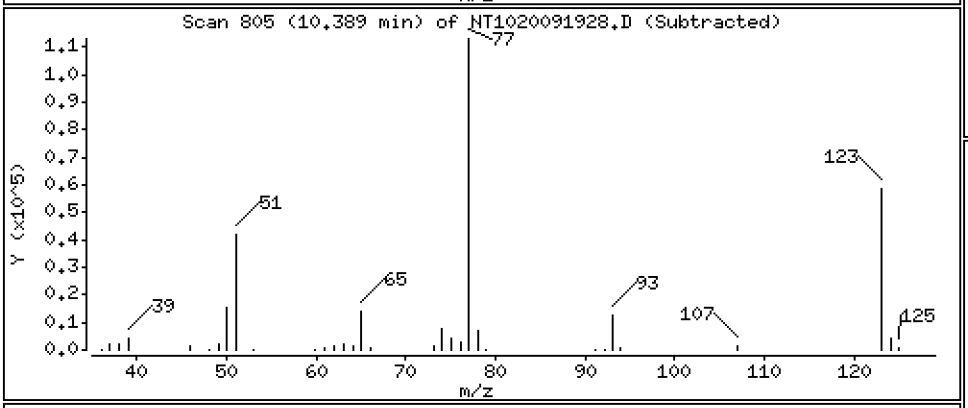
Column phase: ZB-5msi

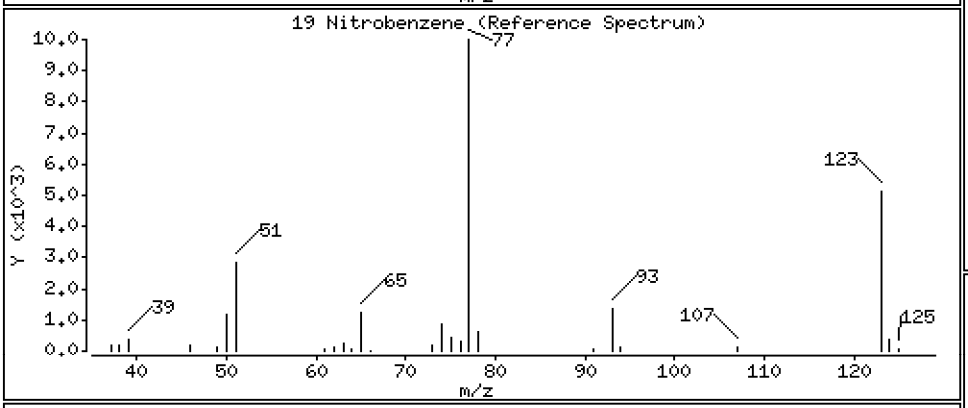
Column diameter: 0.25

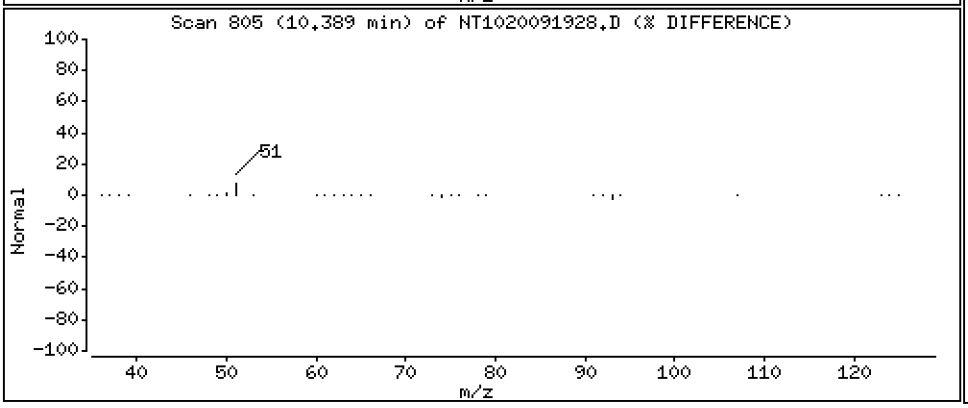
19 Nitrobenzene

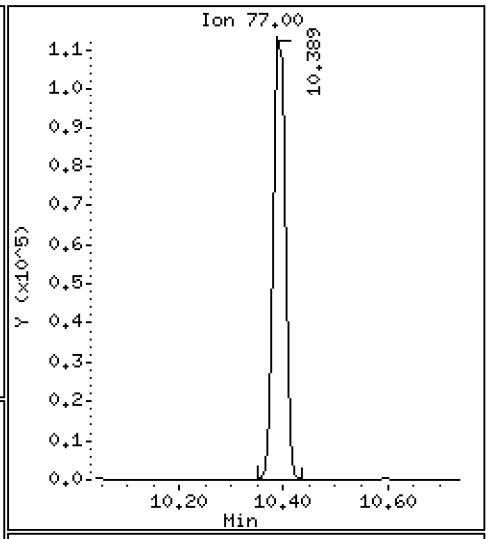
Concentration: 5.122 ug/mL

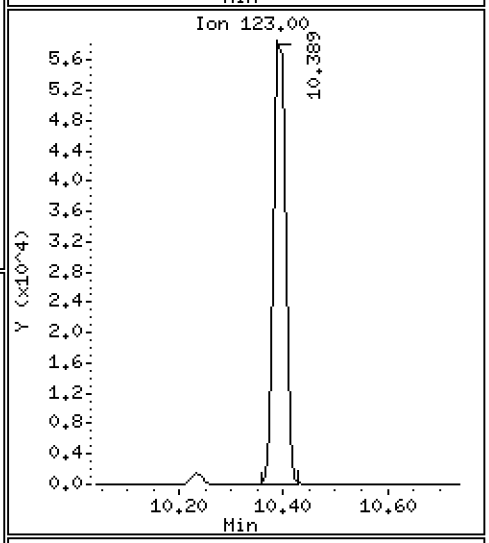


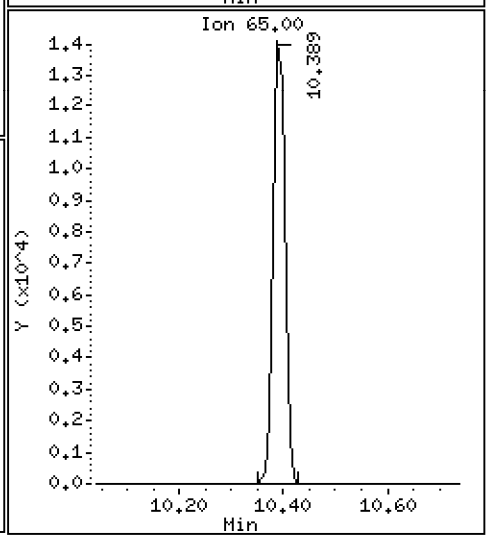












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

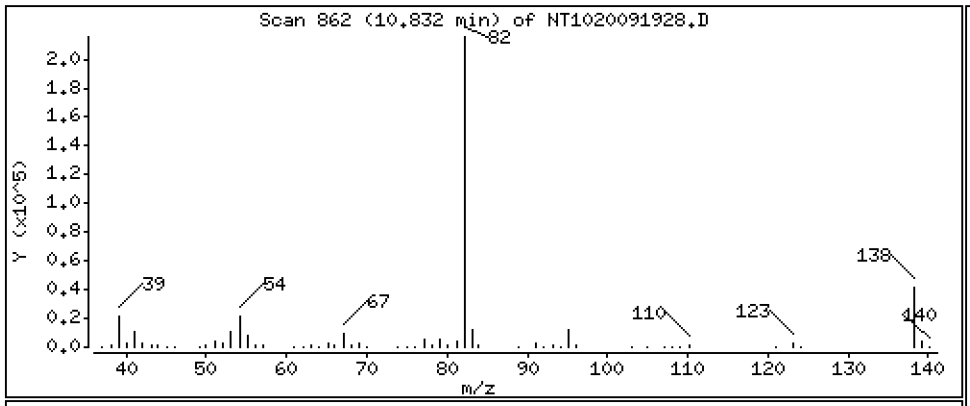
Operator: VTS

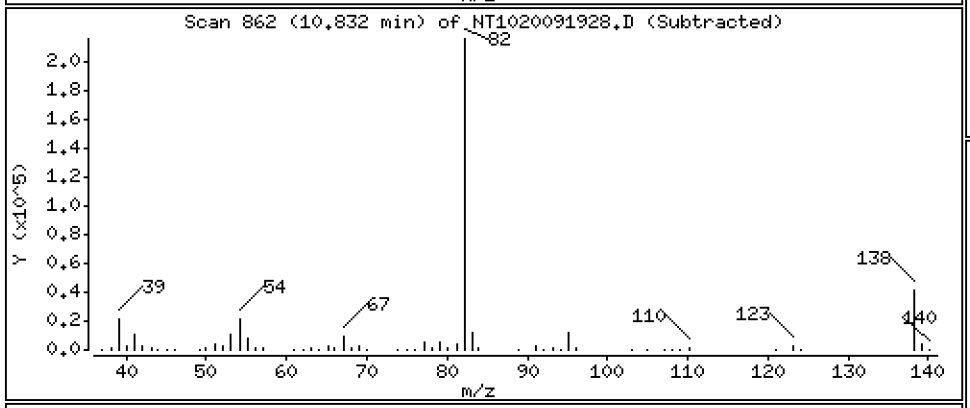
Column phase: ZB-5msi

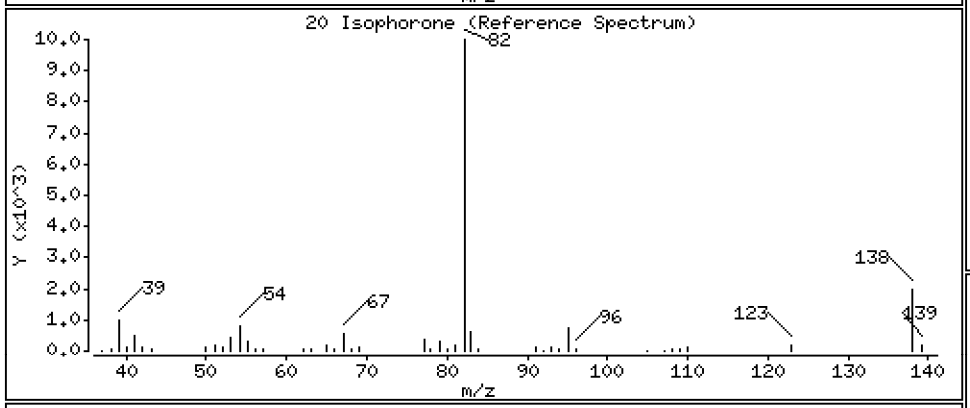
Column diameter: 0.25

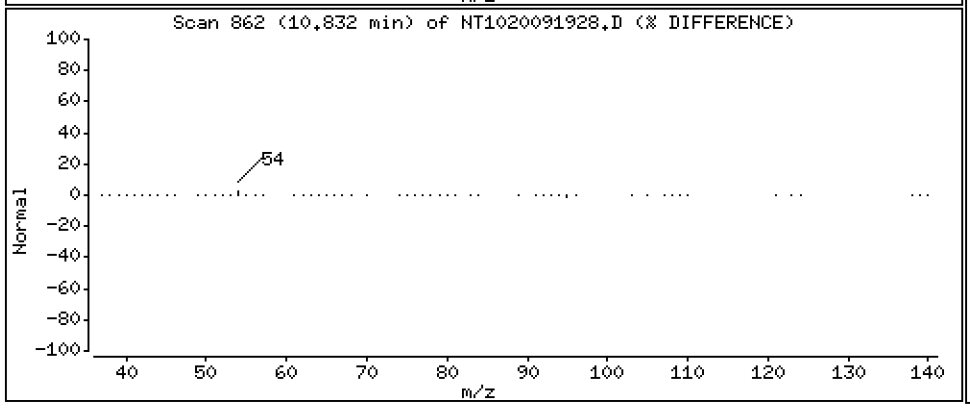
20 Isophorone

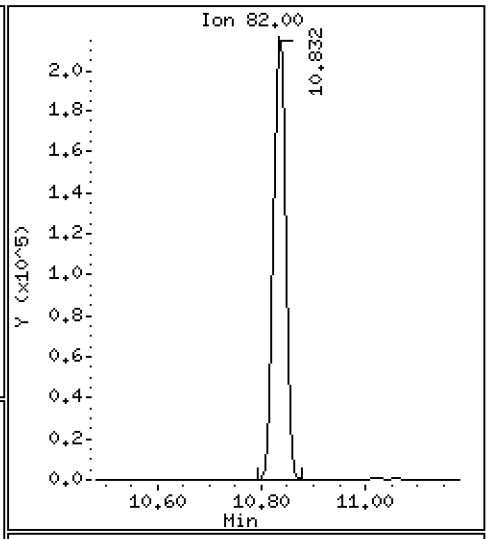
Concentration: 5.191 ug/mL

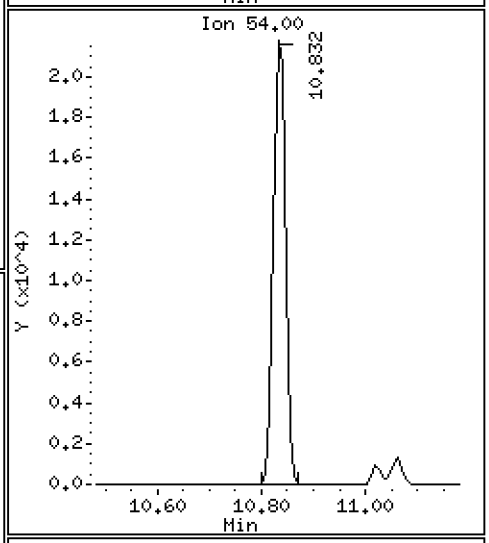


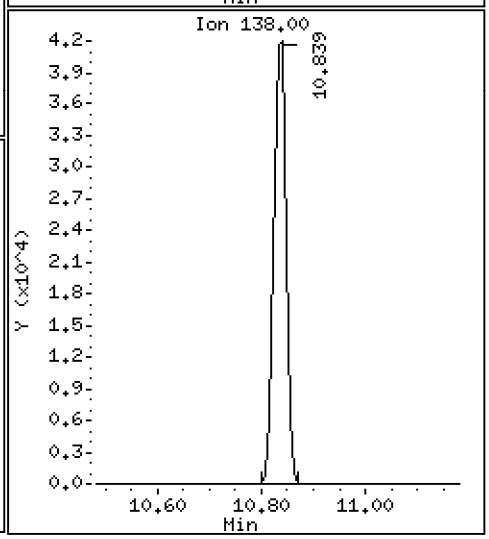












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

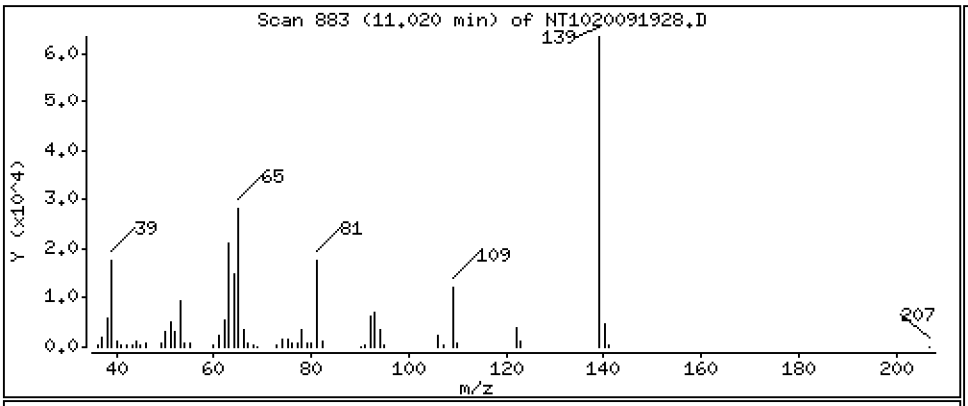
Operator: VTS

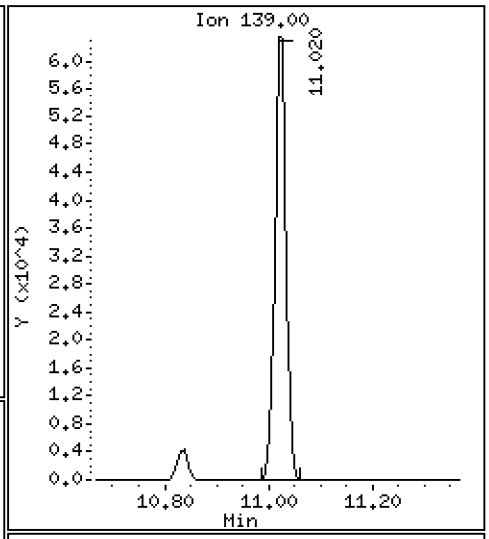
Column phase: ZB-5msi

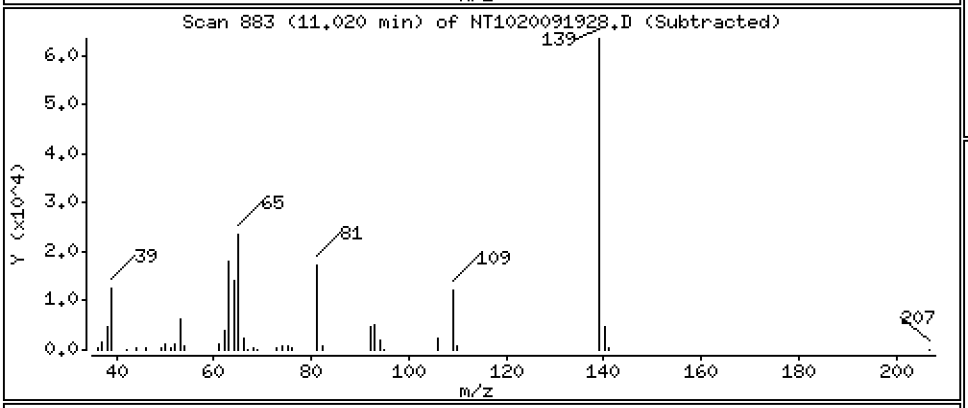
Column diameter: 0.25

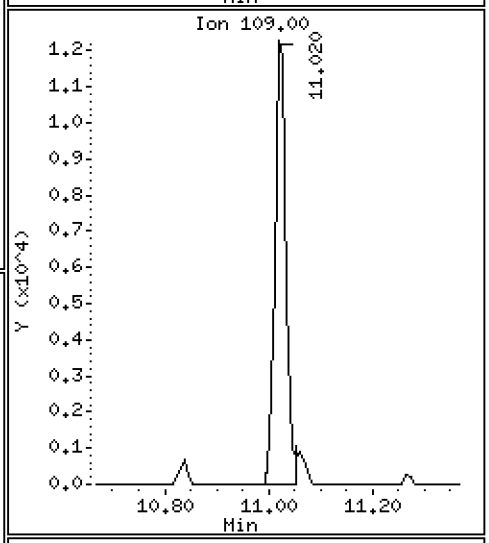
21 2-Nitrophenol

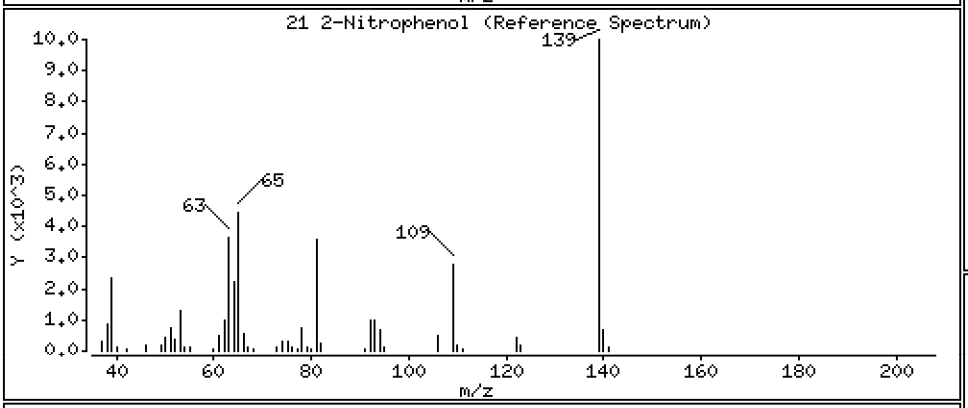
Concentration: 5.067 ug/mL

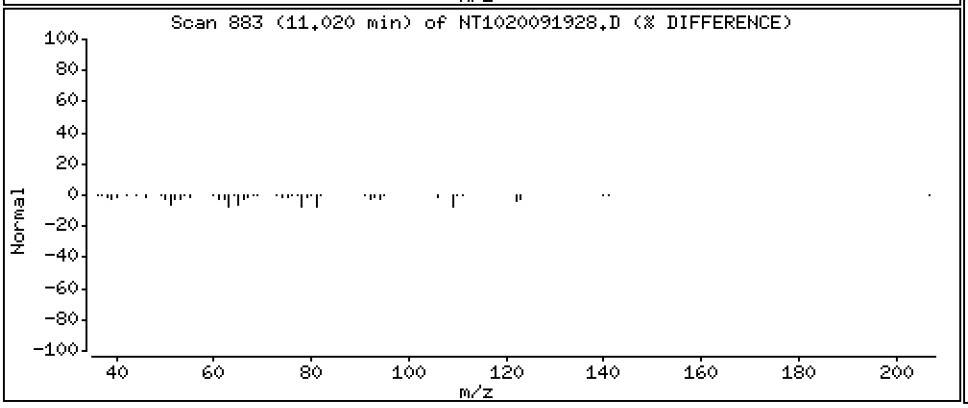


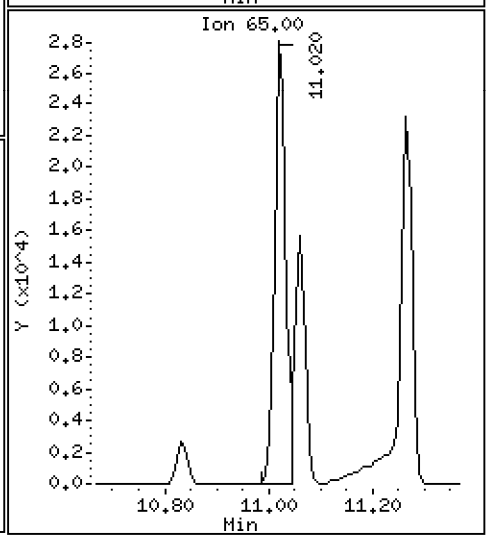












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

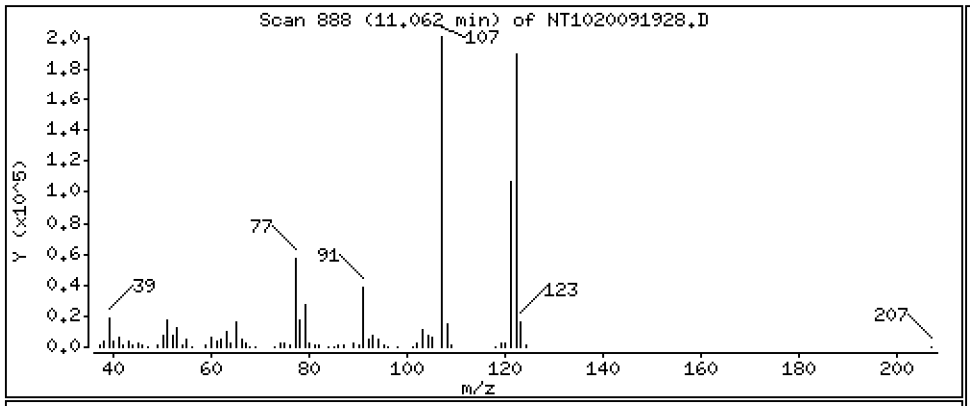
Operator: VTS

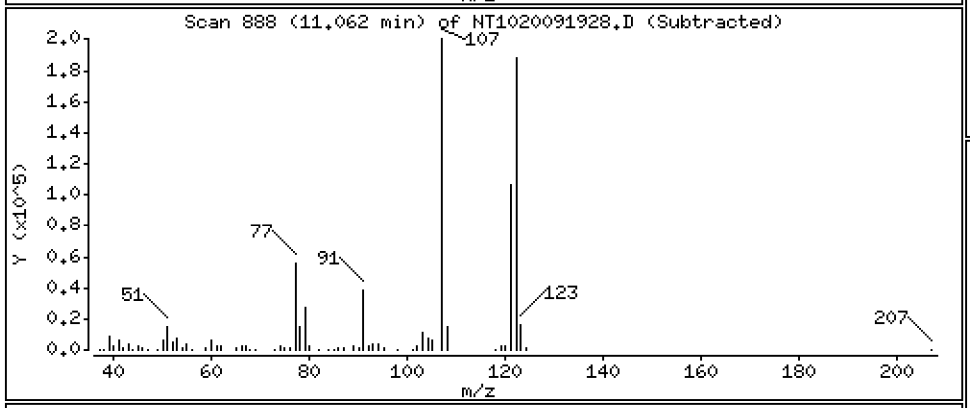
Column phase: ZB-5msi

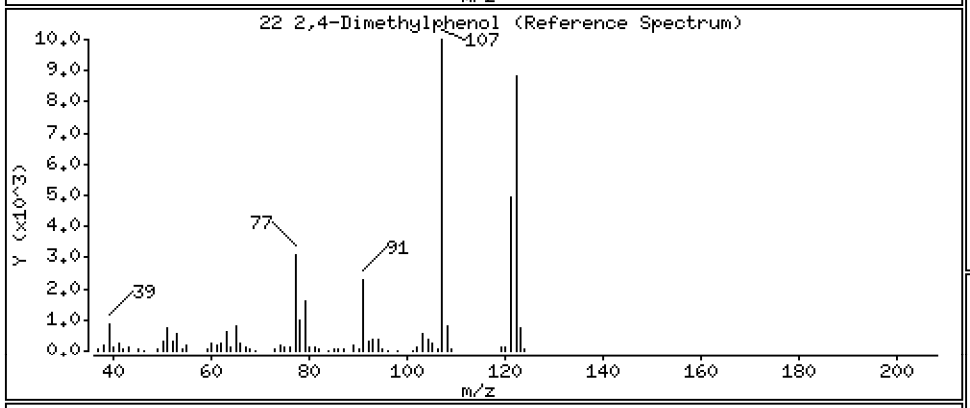
Column diameter: 0.25

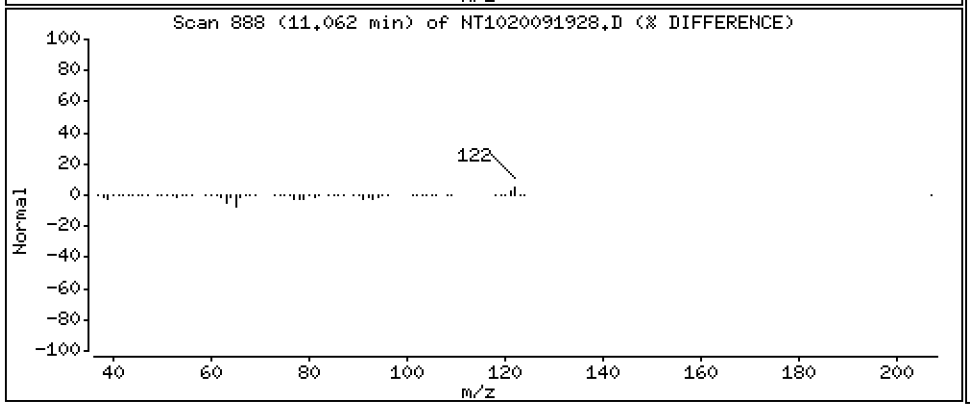
22 2,4-Dimethylphenol

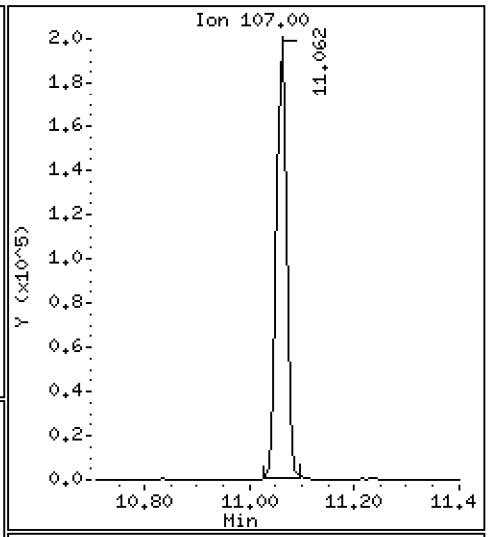
Concentration: 9.806 ug/mL

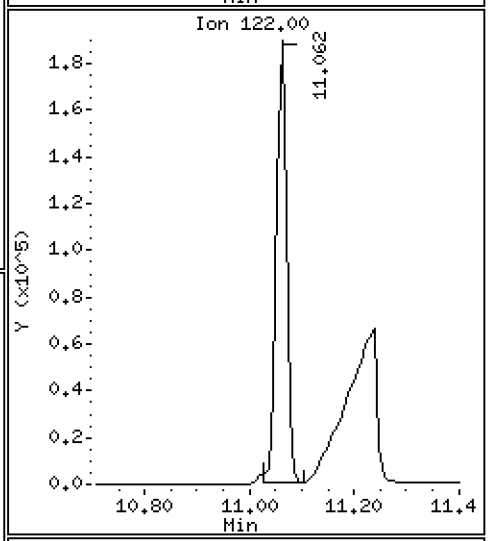


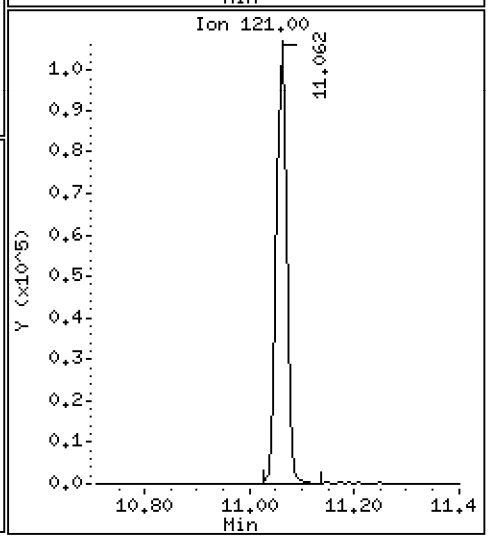












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

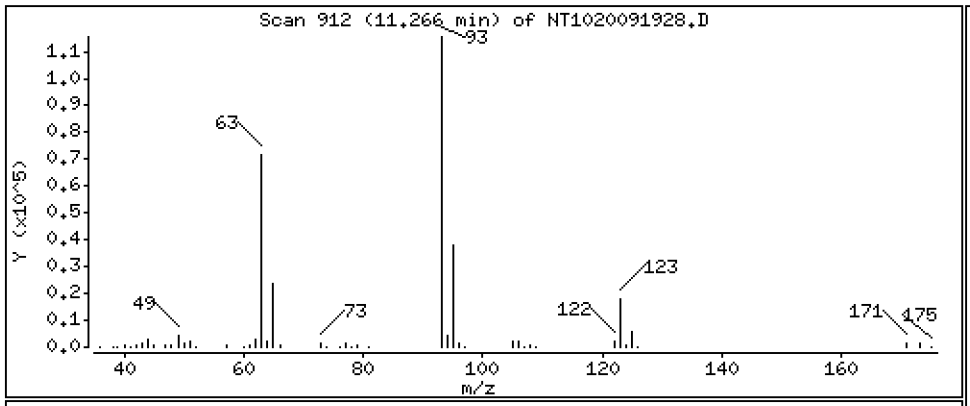
Operator: VTS

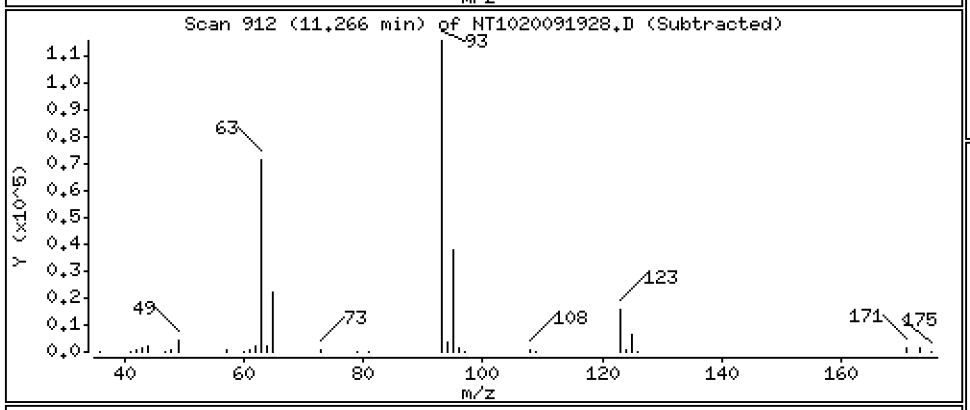
Column phase: ZB-5msi

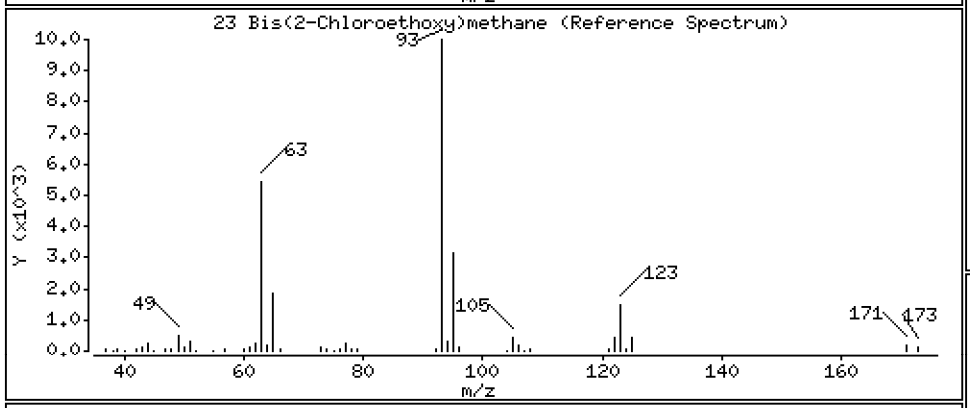
Column diameter: 0.25

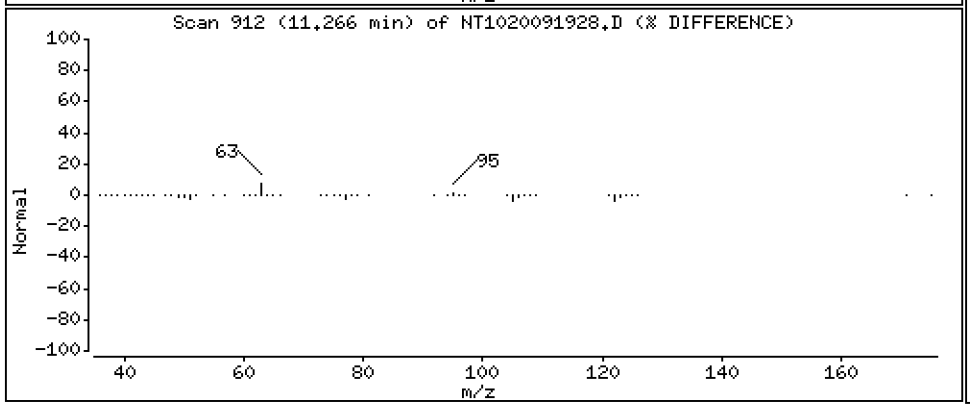
23 Bis(2-Chloroethoxy)methane

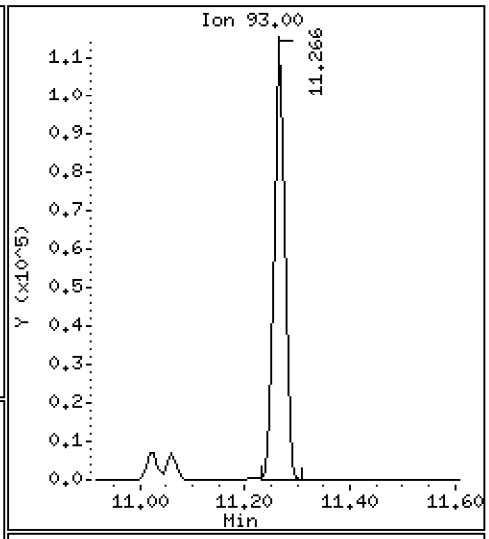
Concentration: 4.799 ug/mL

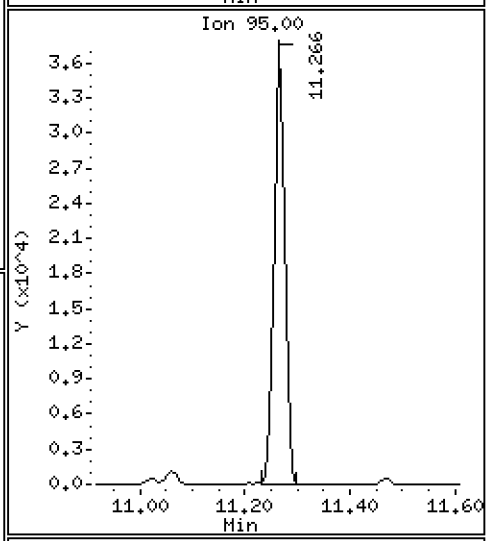


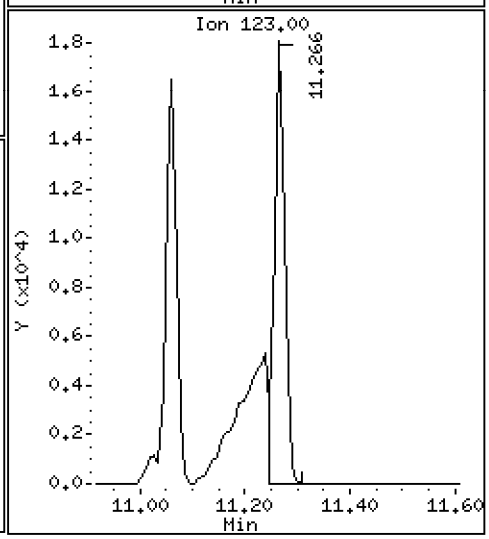












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

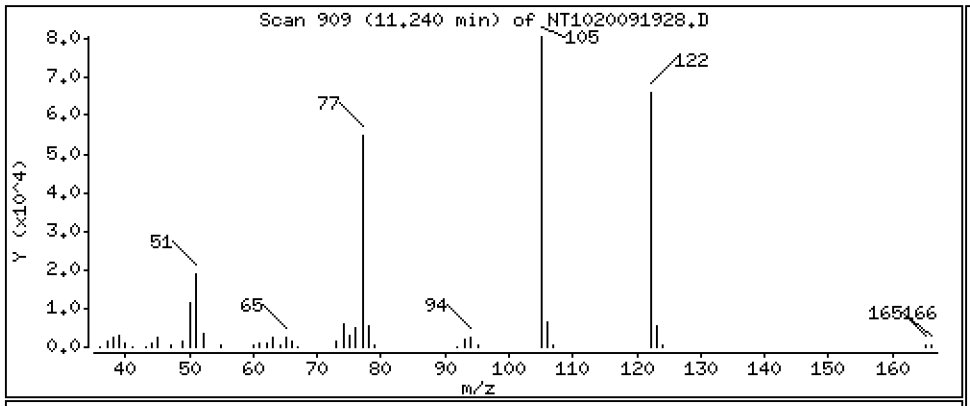
Operator: VTS

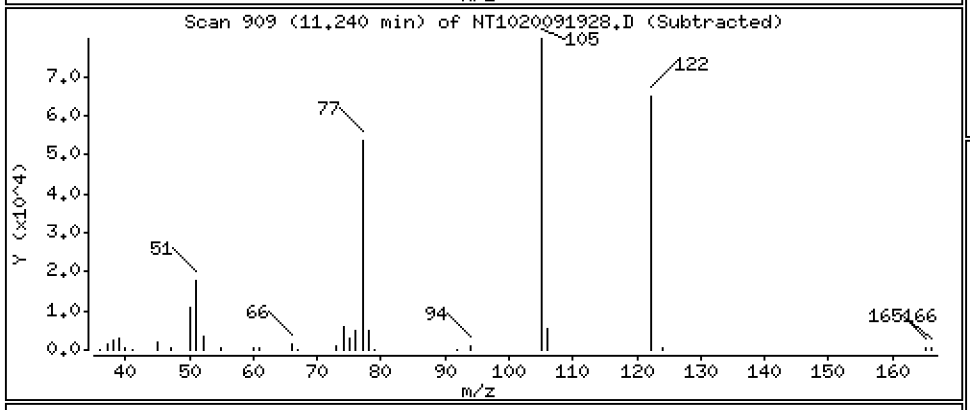
Column phase: ZB-5msi

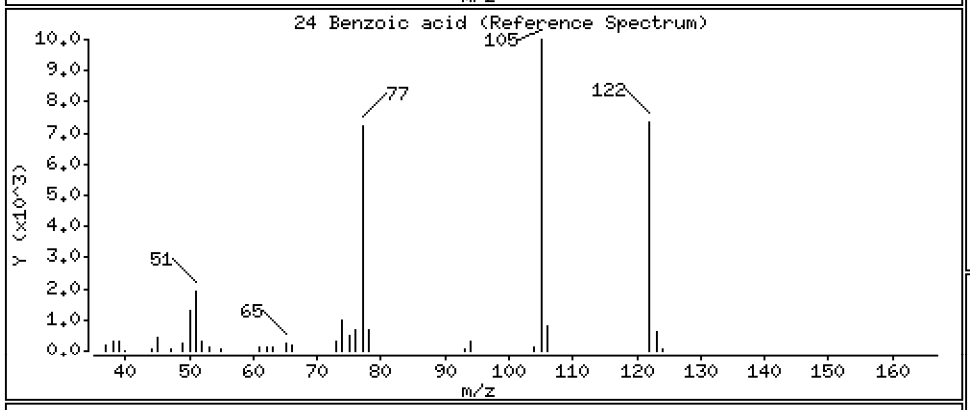
Column diameter: 0.25

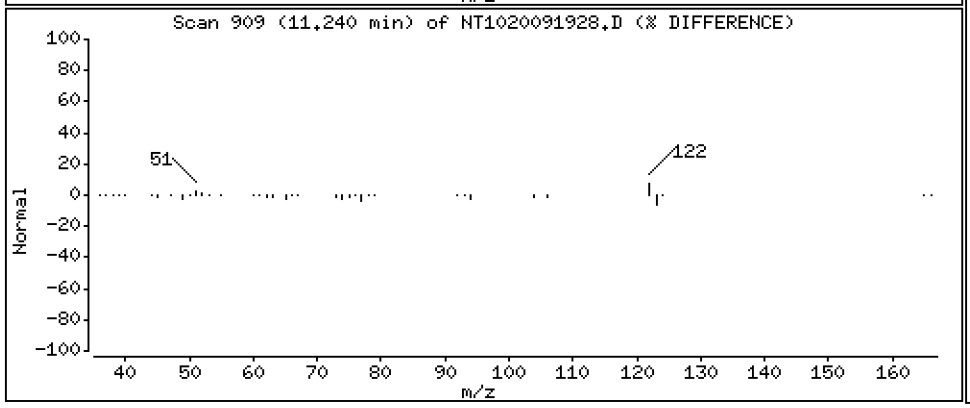
24 Benzoic acid

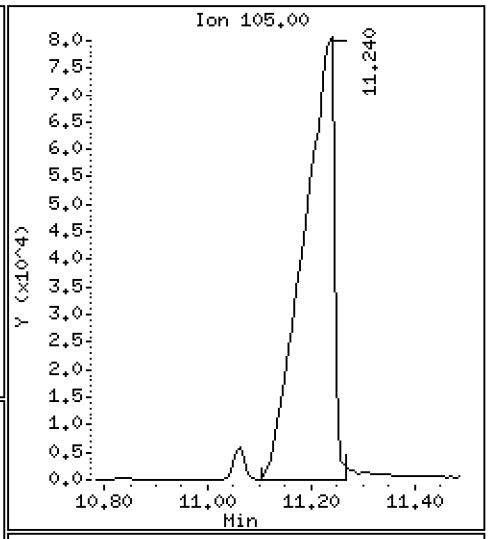
Concentration: 17.53 ug/mL

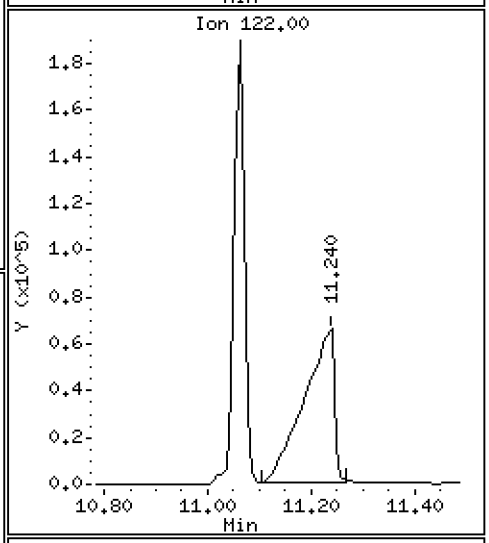


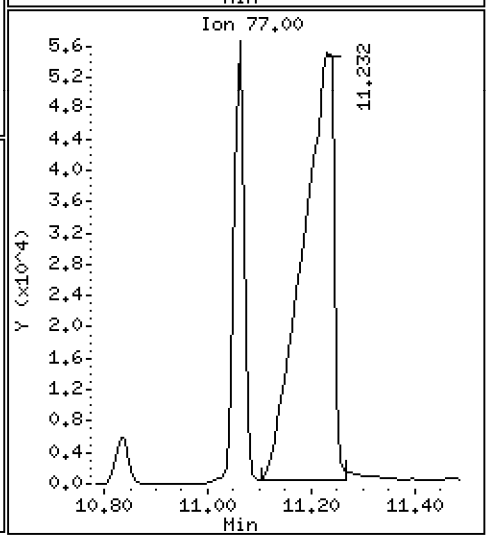












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

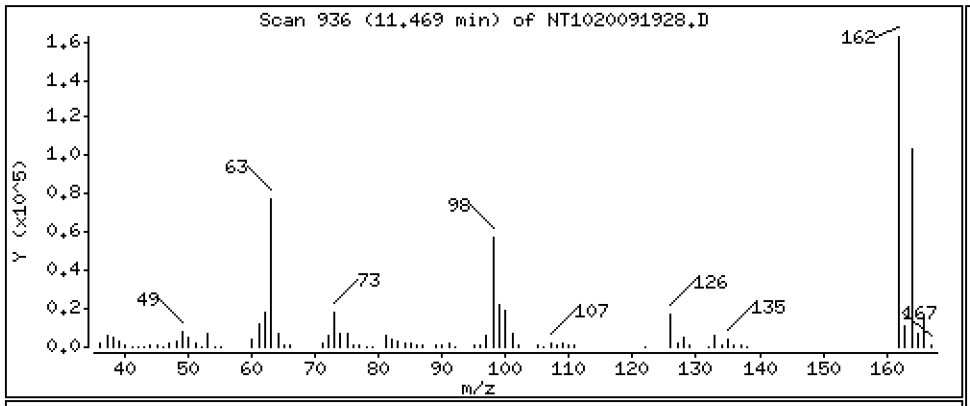
Operator: VTS

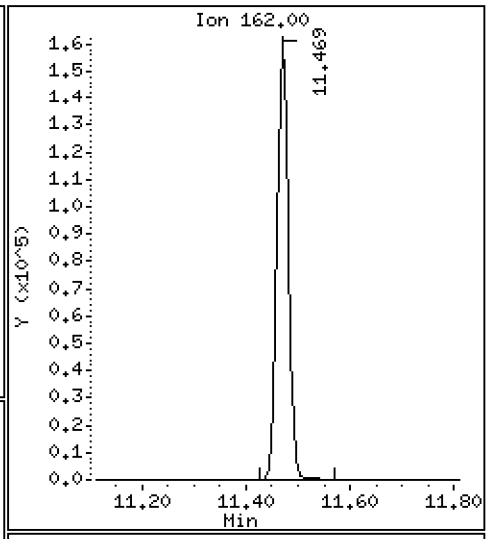
Column phase: ZB-5msi

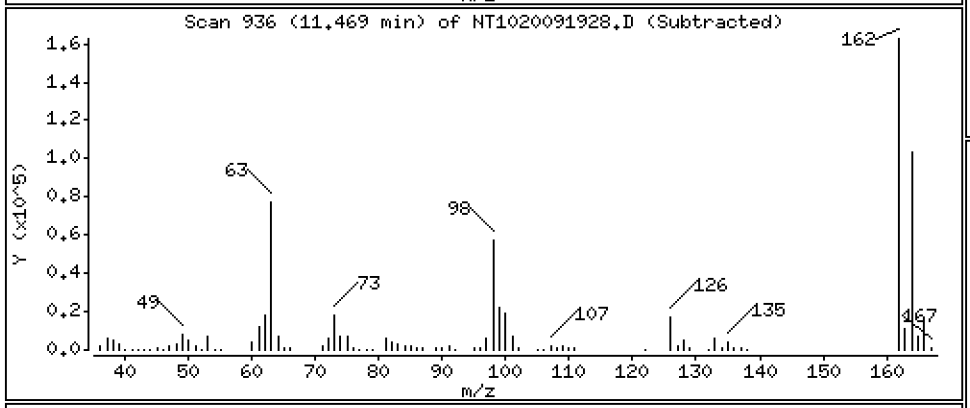
Column diameter: 0.25

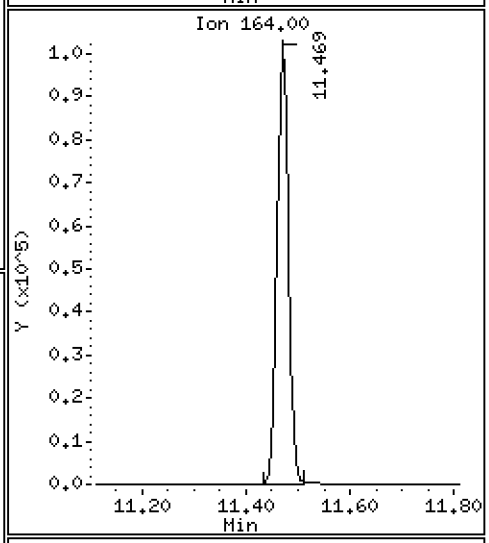
25 2,4-Dichlorophenol

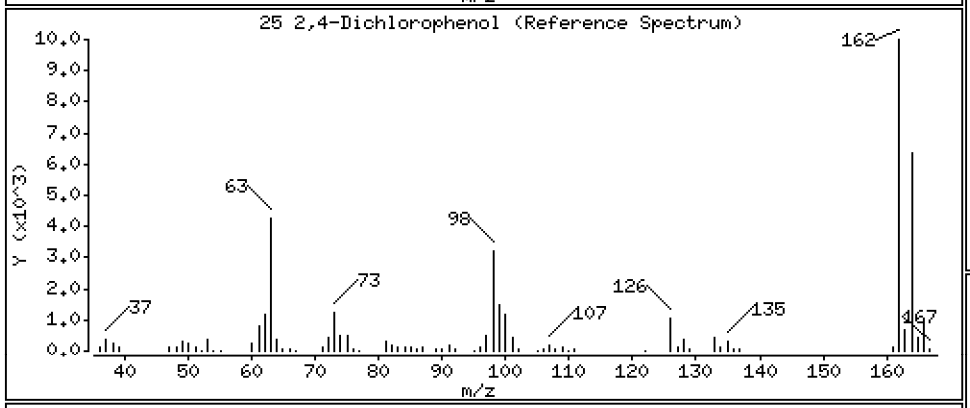
Concentration: 11.02 ug/mL

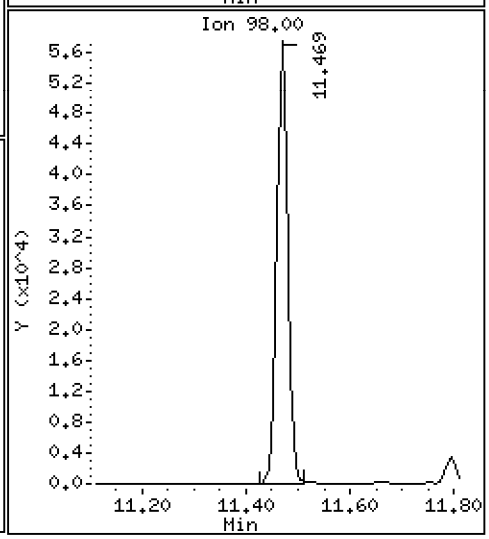


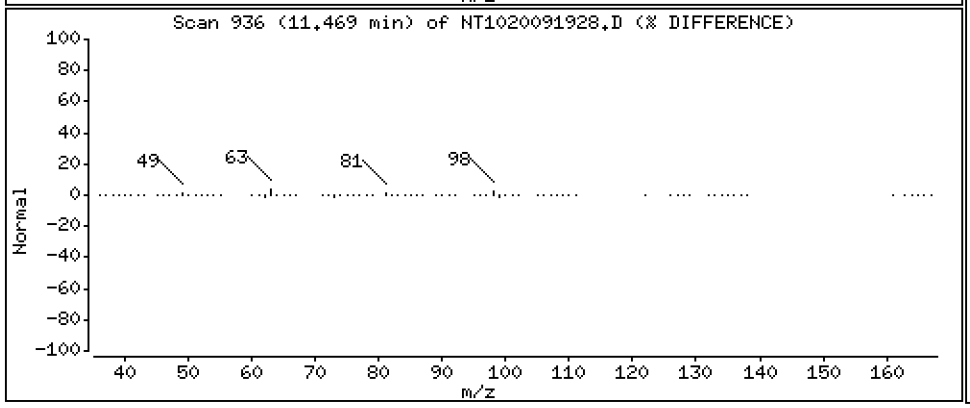












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

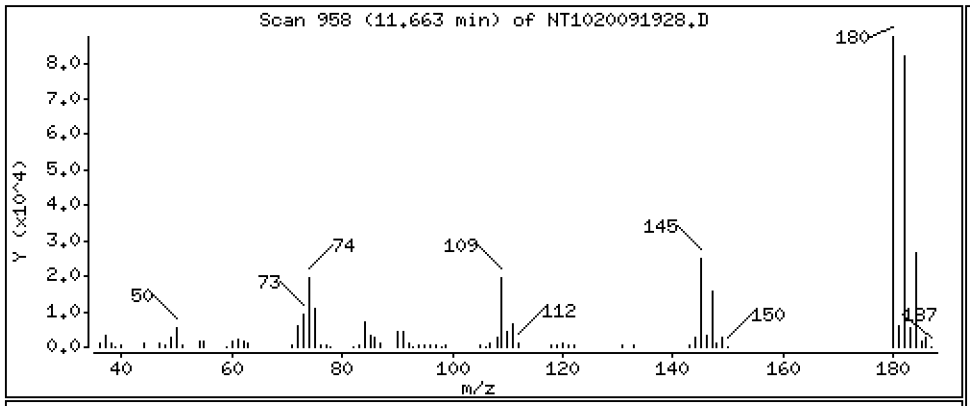
Operator: VTS

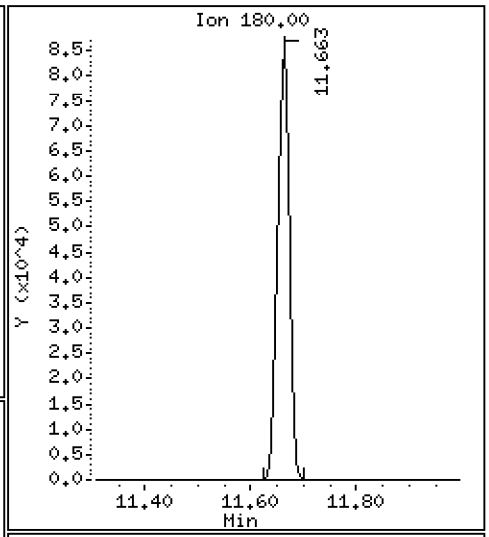
Column phase: ZB-5msi

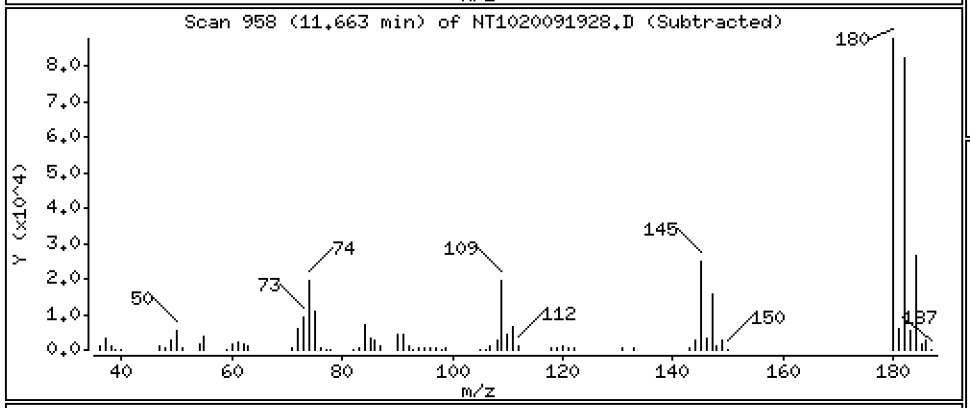
Column diameter: 0.25

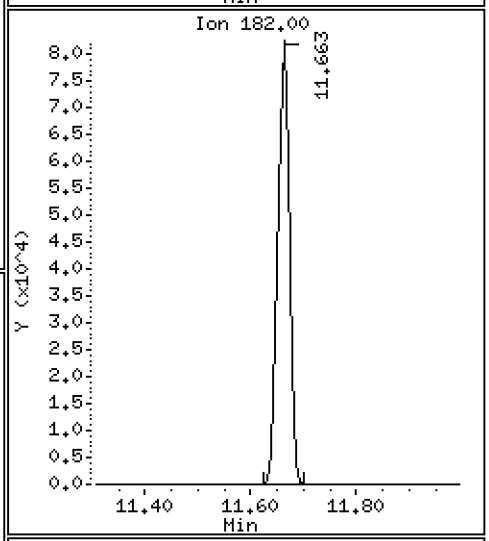
26 1,2,4-Trichlorobenzene

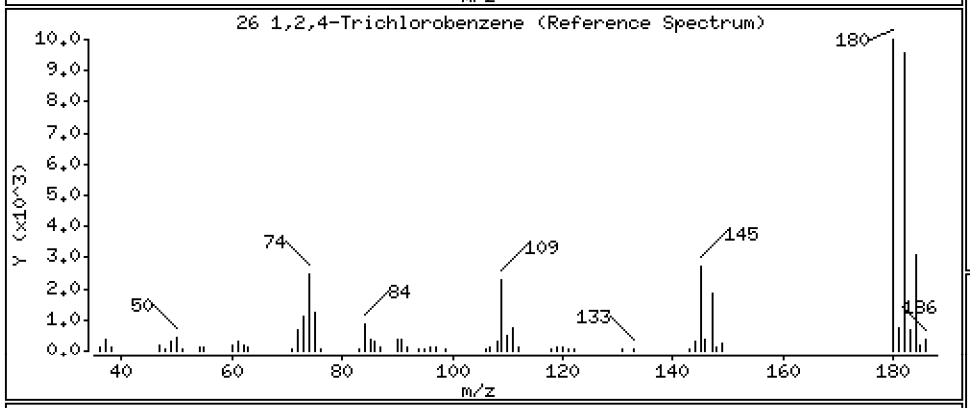
Concentration: 4.923 ug/mL

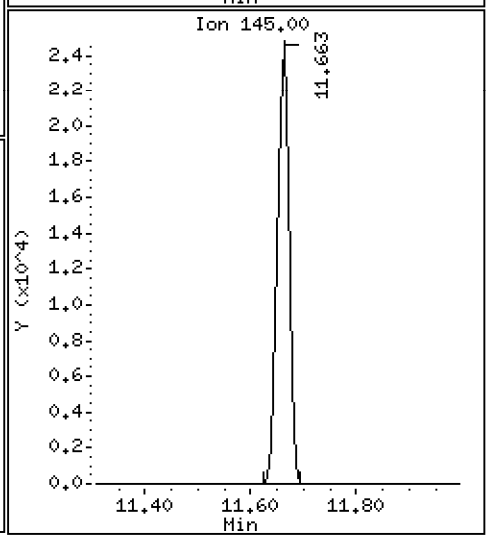


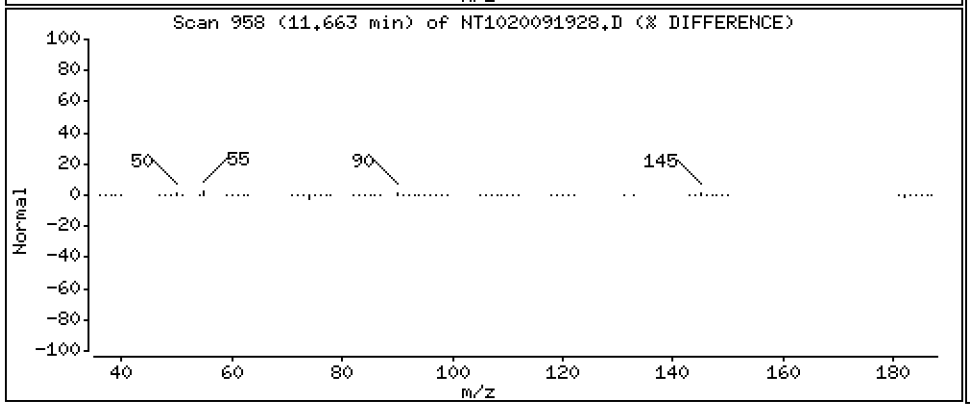












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

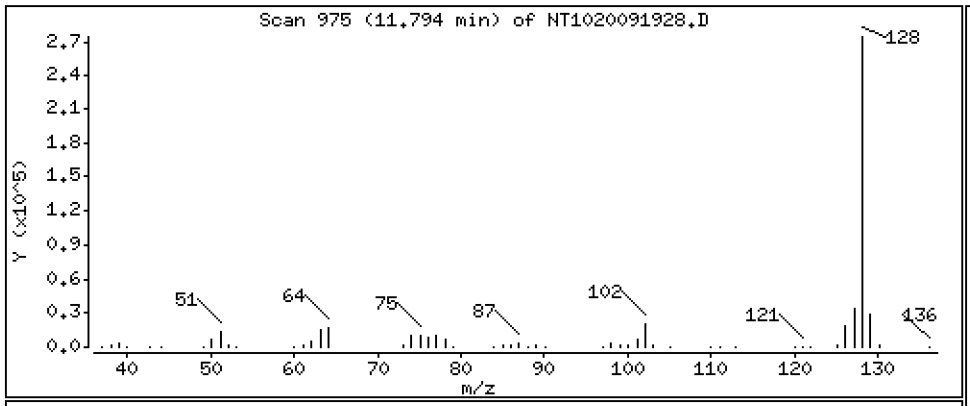
Operator: VTS

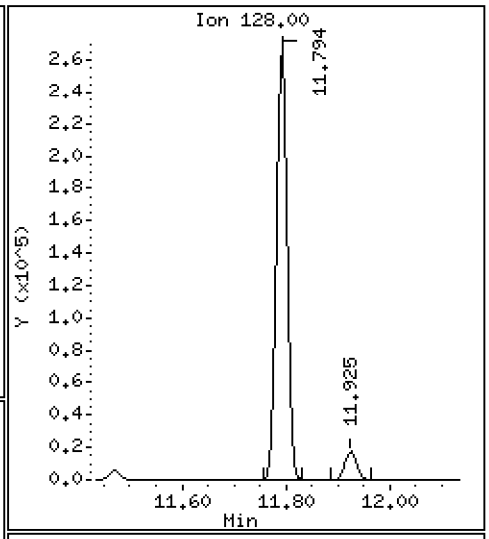
Column phase: ZB-5msi

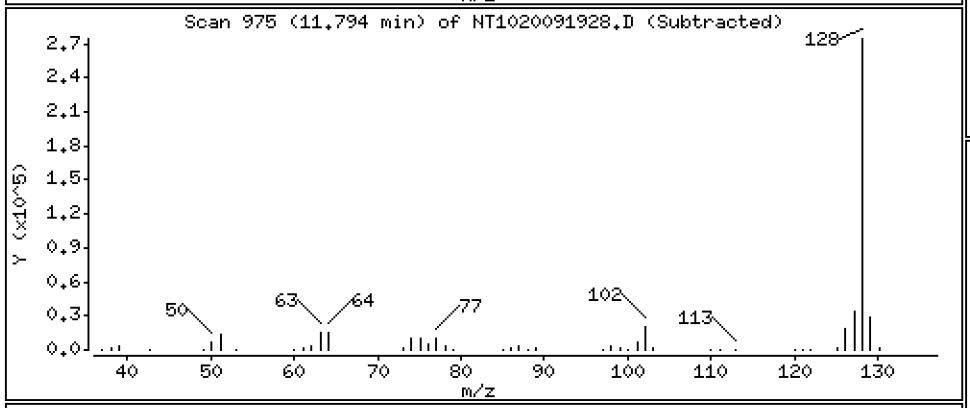
Column diameter: 0.25

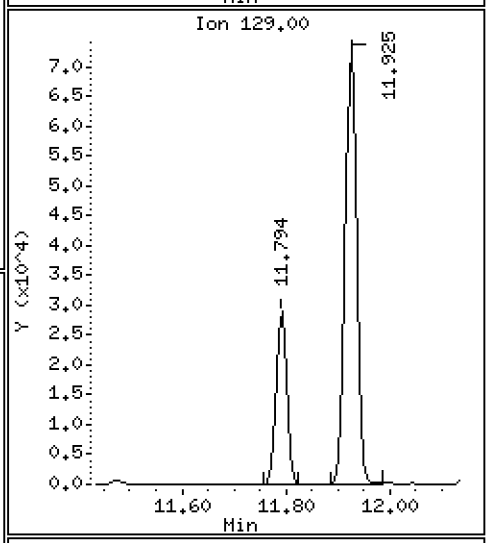
28 Naphthalene

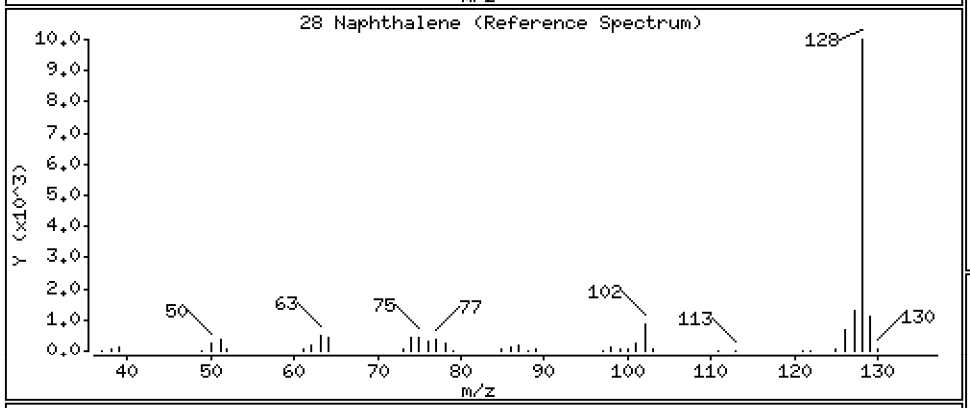
Concentration: 5.149 ug/mL

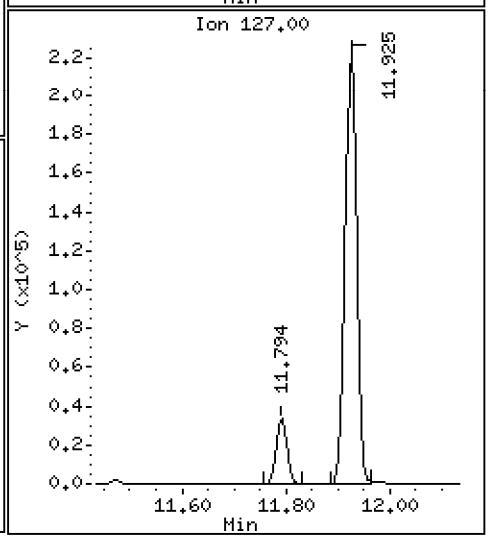


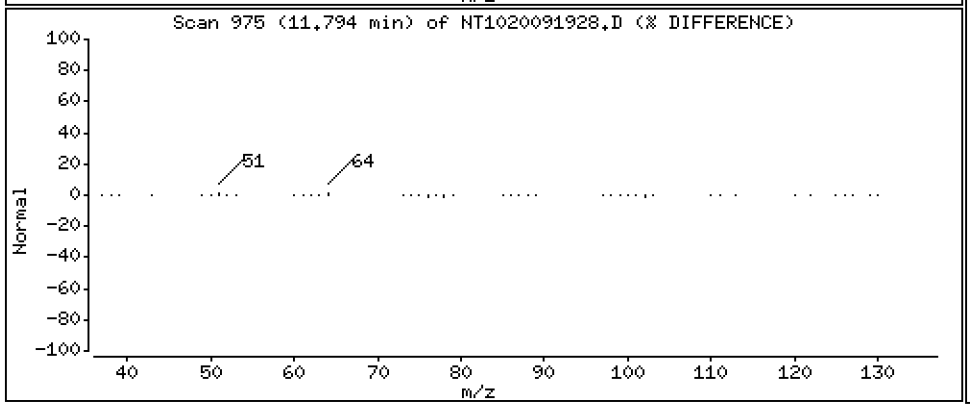












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

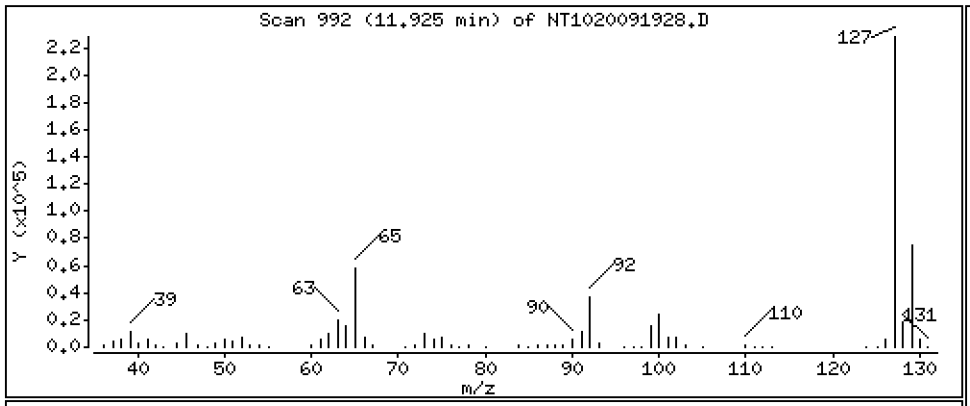
Operator: VTS

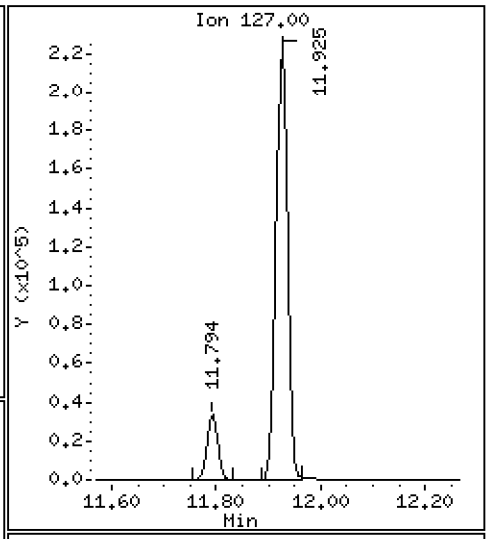
Column phase: ZB-5msi

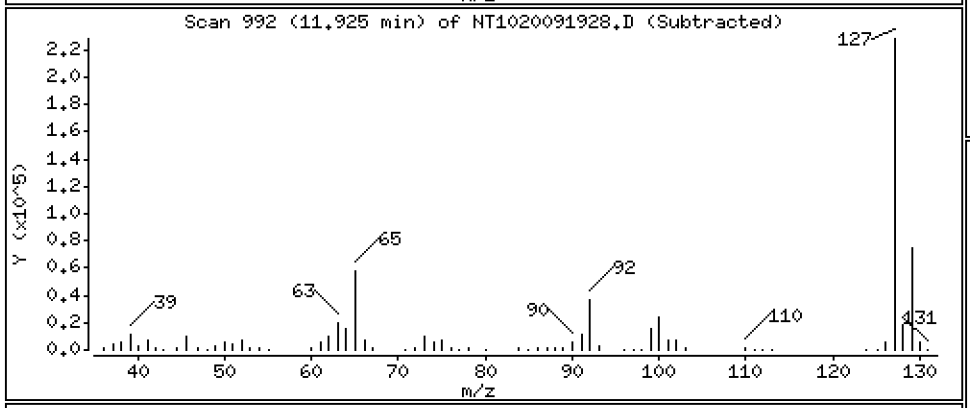
Column diameter: 0.25

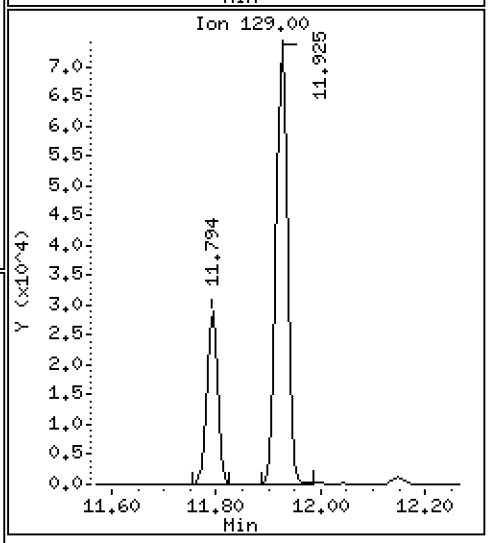
29 4-Chloroaniline

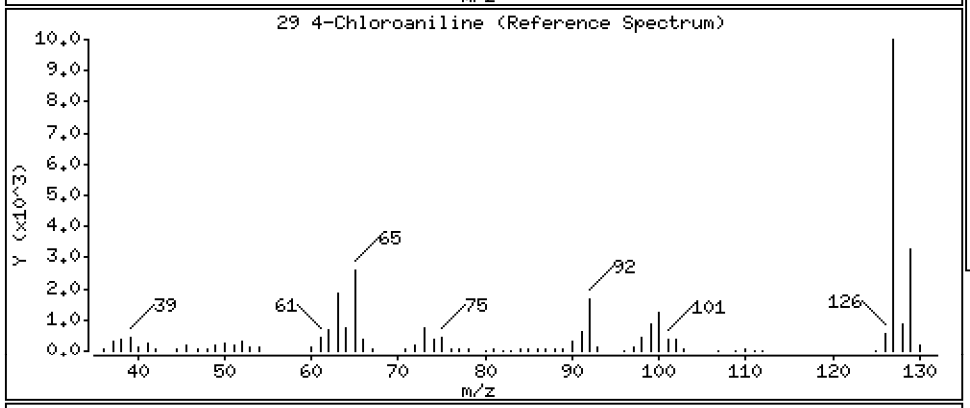
Concentration: 9.978 ug/mL

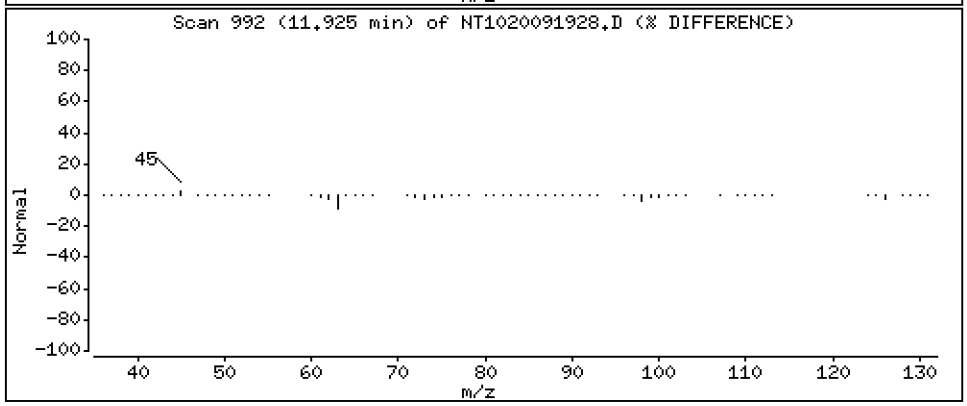












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

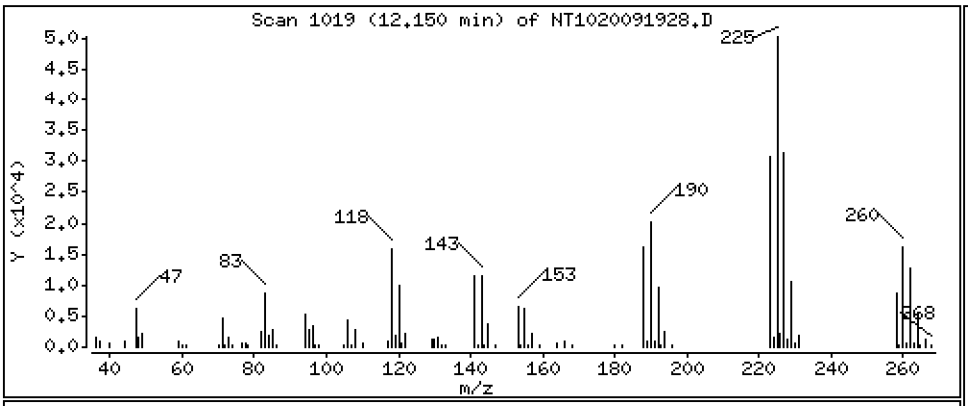
Operator: VTS

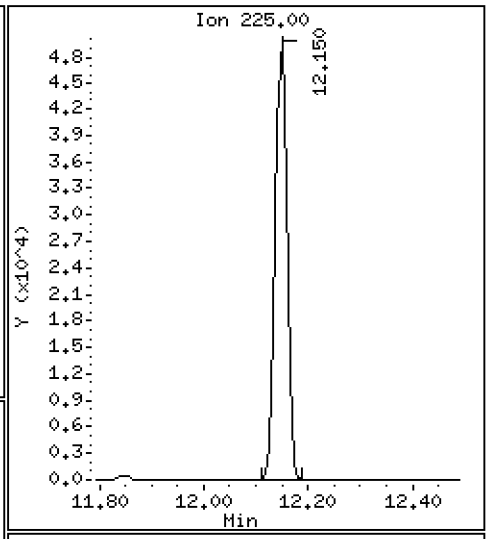
Column phase: ZB-5msi

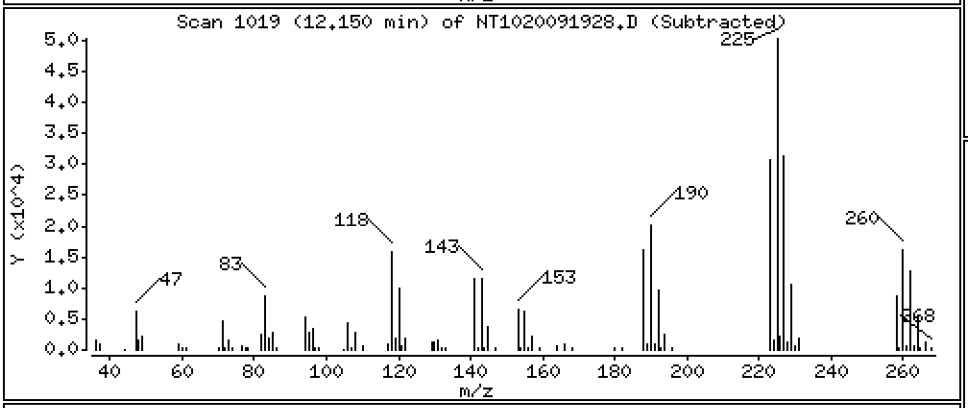
Column diameter: 0.25

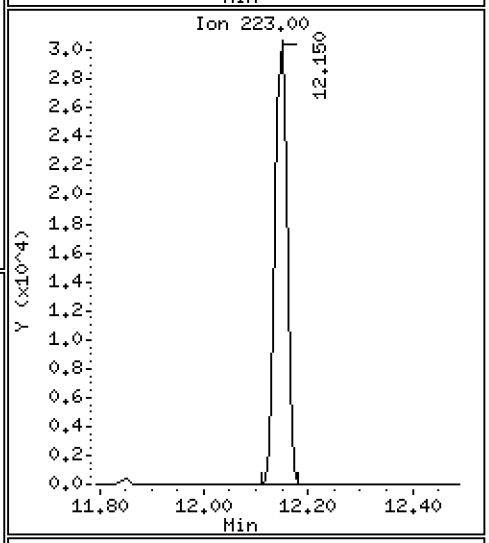
30 Hexachlorobutadiene

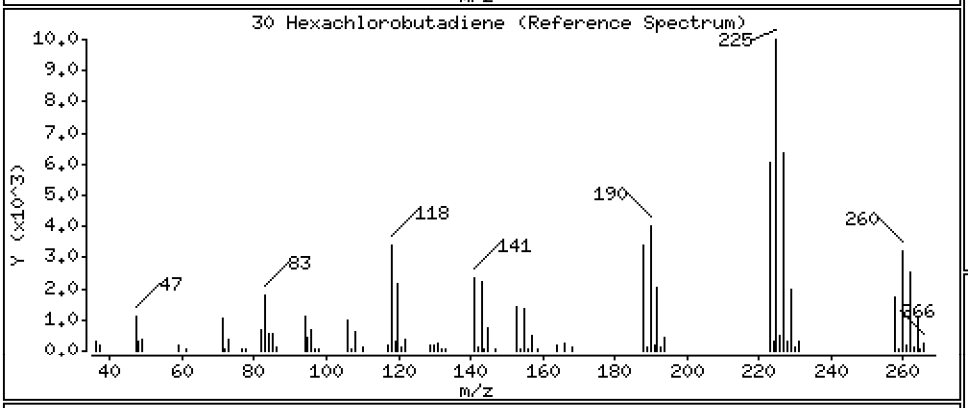
Concentration: 4.948 ug/mL

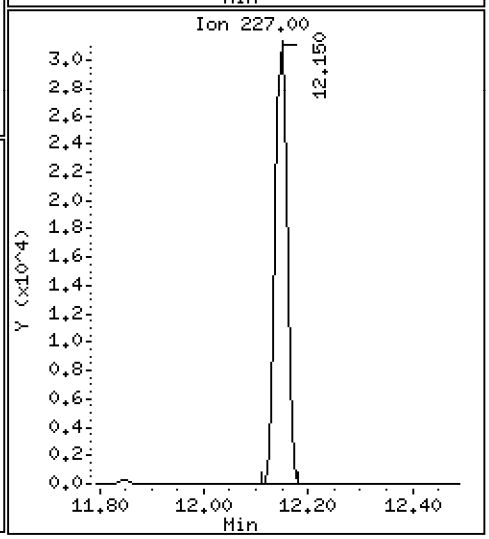


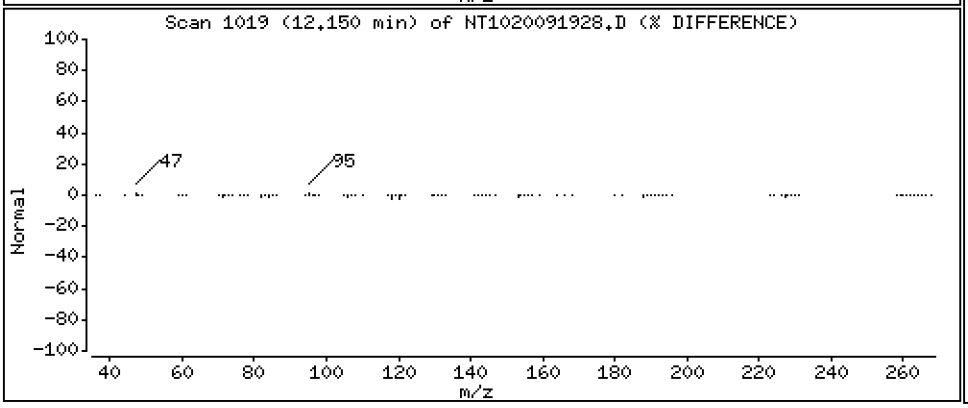












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

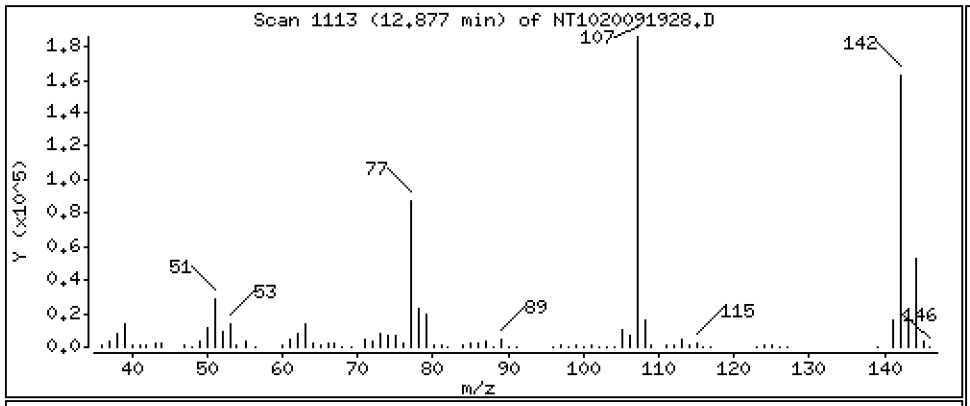
Operator: VTS

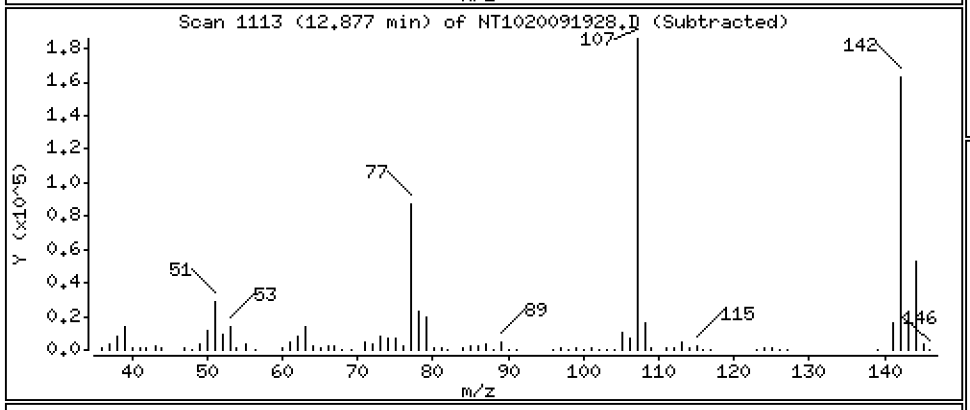
Column phase: ZB-5msi

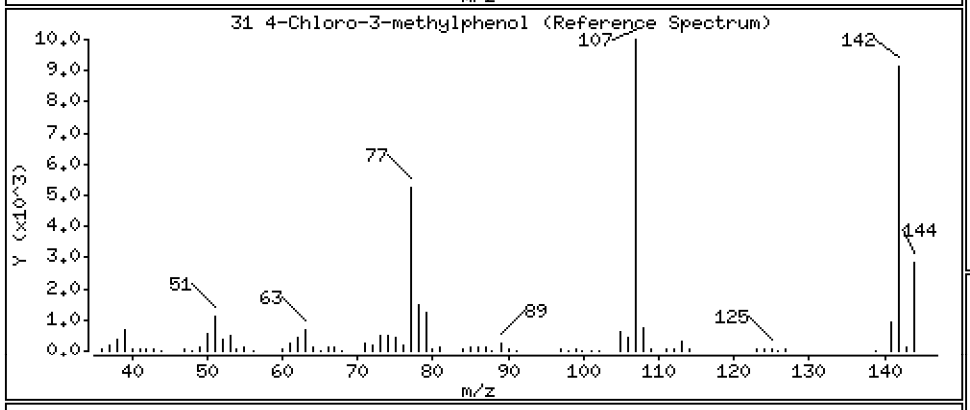
Column diameter: 0.25

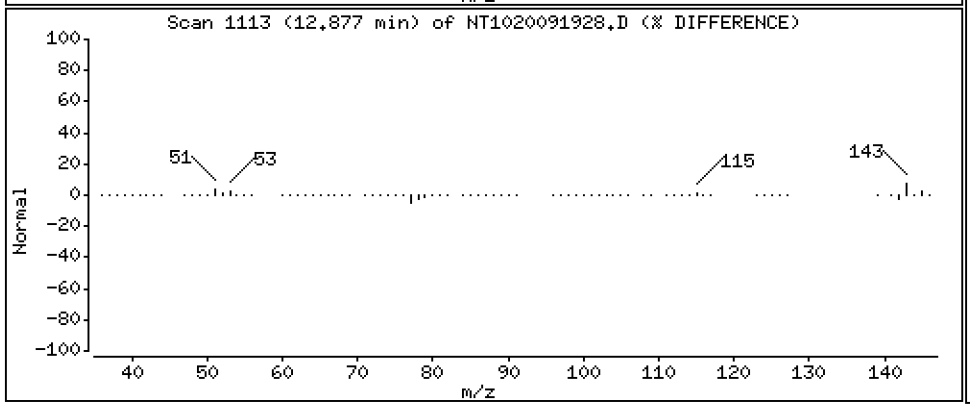
31 4-Chloro-3-methylphenol

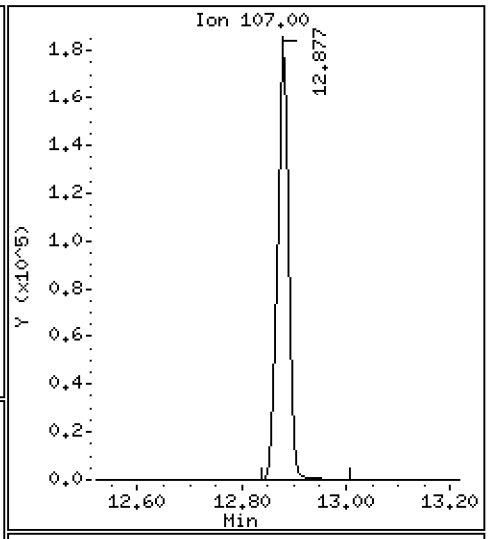
Concentration: 10.16 ug/mL

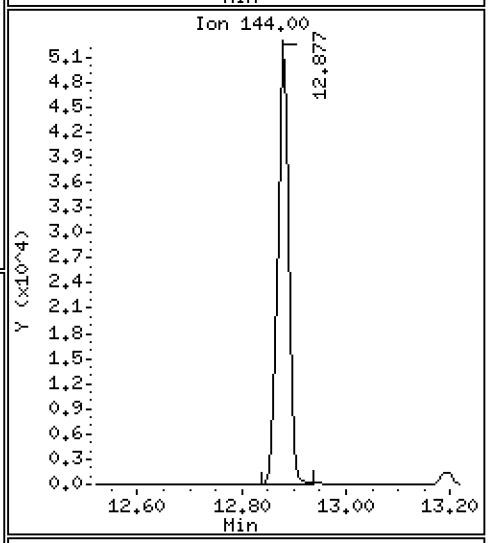


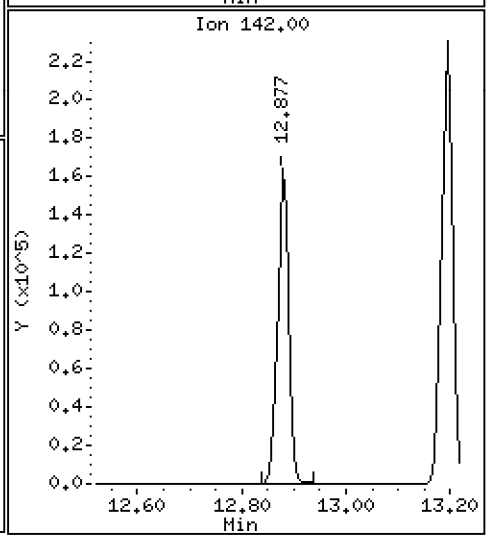












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

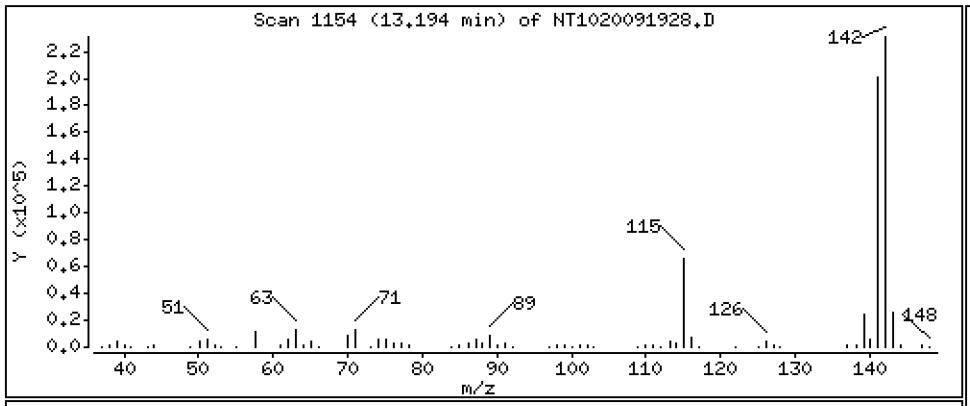
Operator: VTS

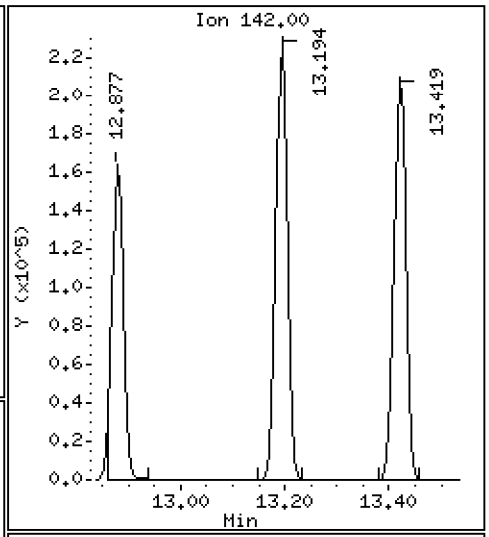
Column phase: ZB-5msi

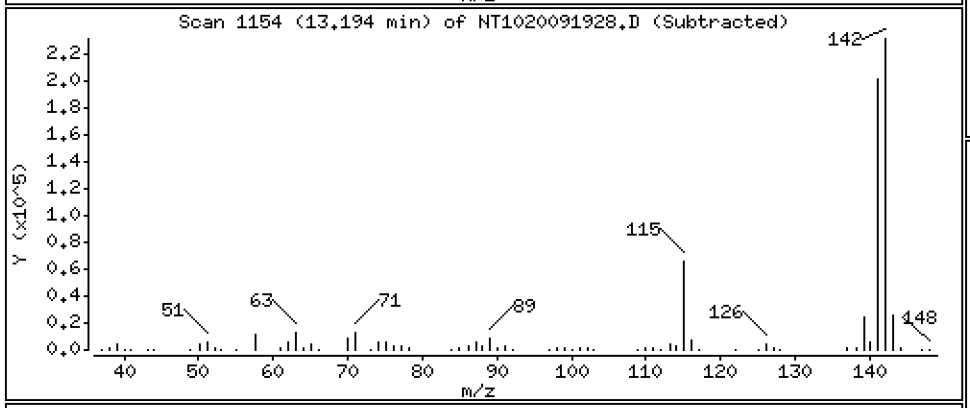
Column diameter: 0.25

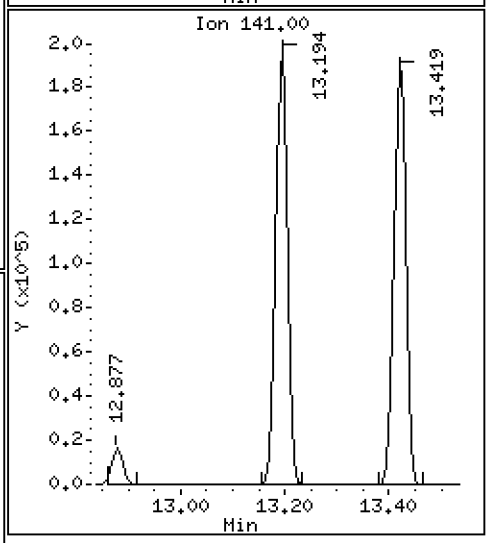
32 2-Methylnaphthalene

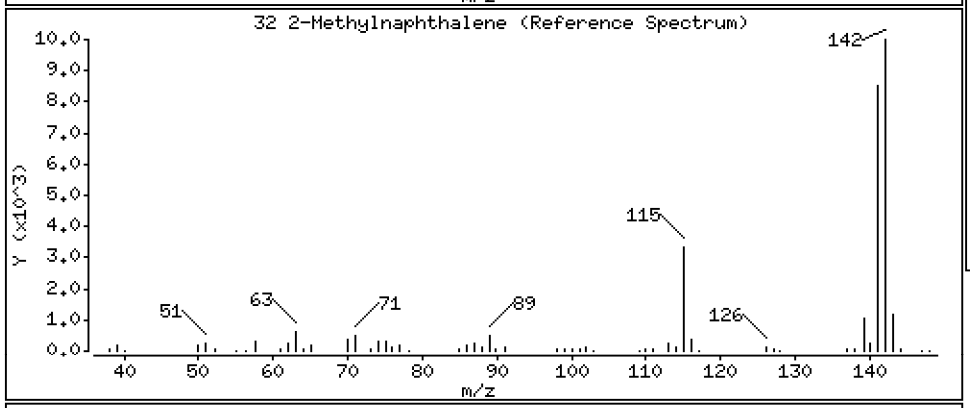
Concentration: 5.073 ug/mL

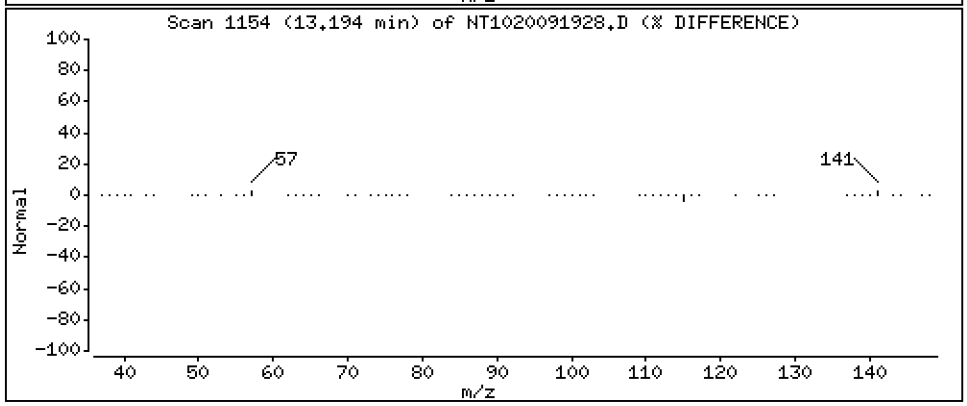












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

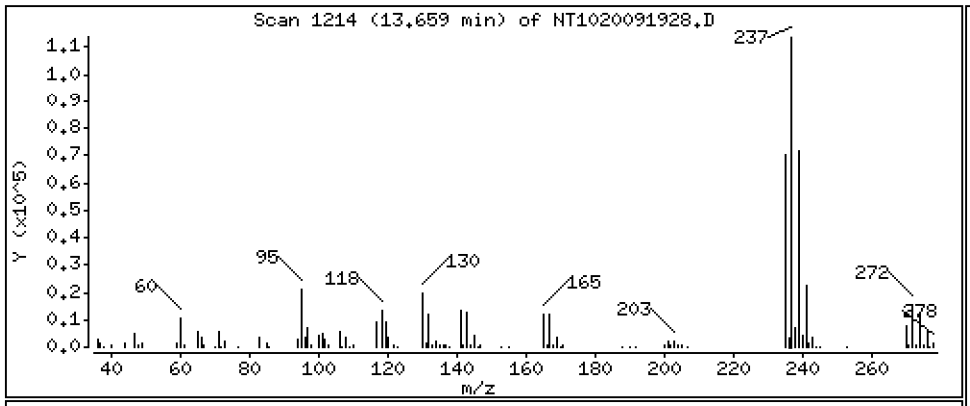
Operator: VTS

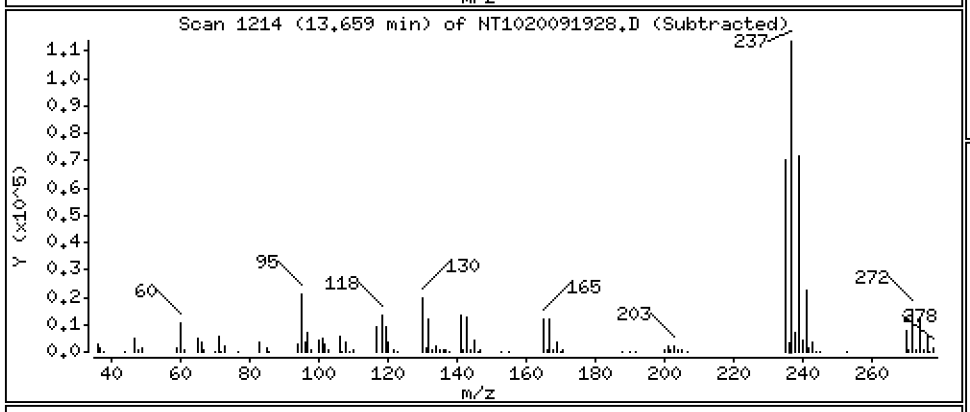
Column phase: ZB-5msi

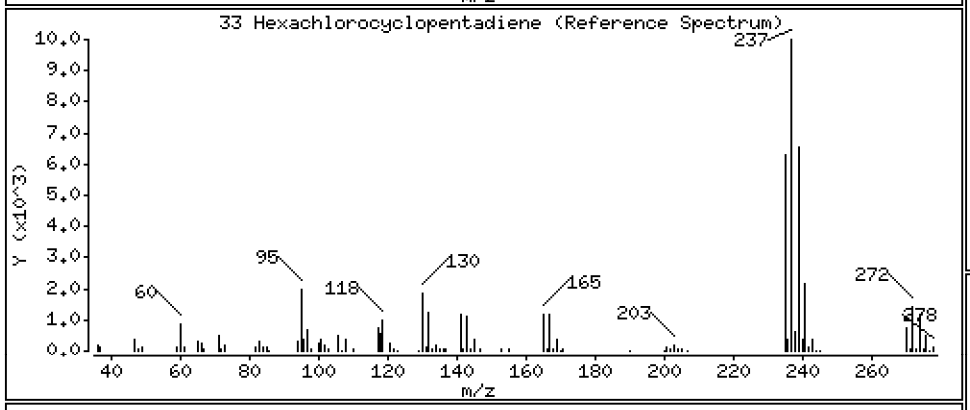
Column diameter: 0.25

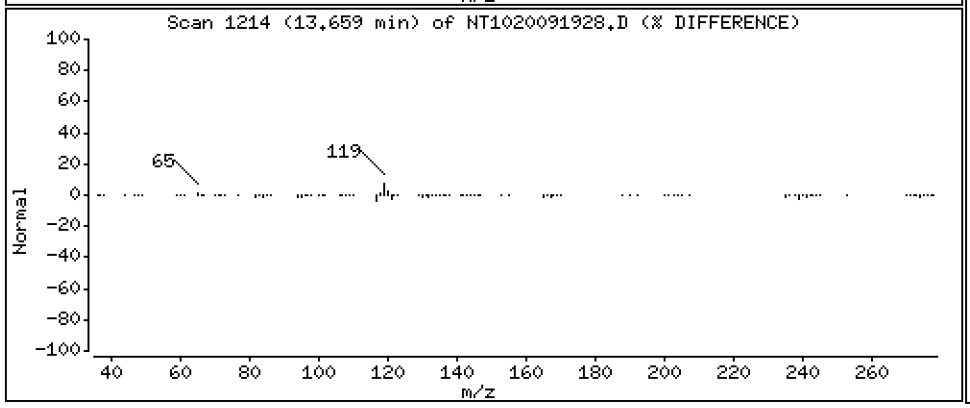
33 Hexachlorocyclopentadiene

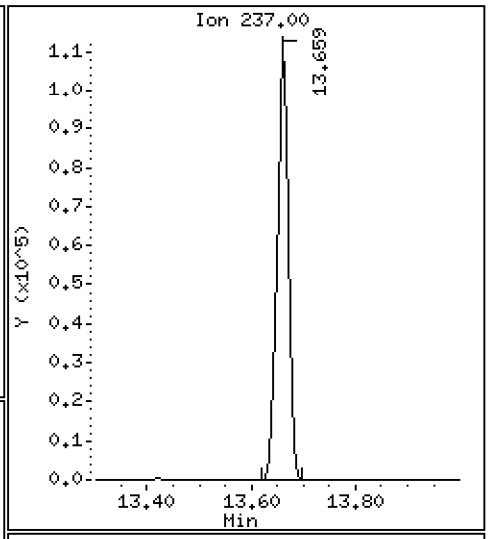
Concentration: 8.430 ug/mL

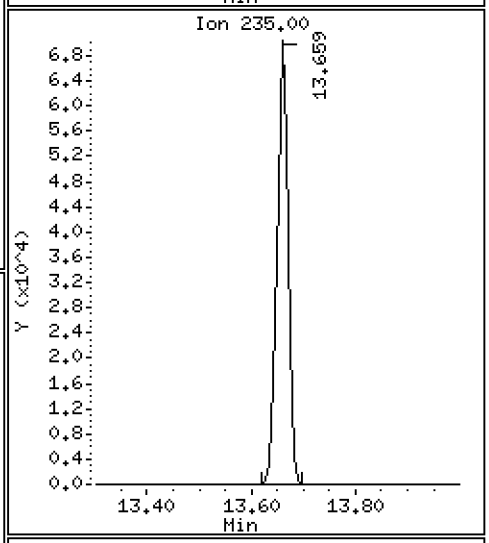


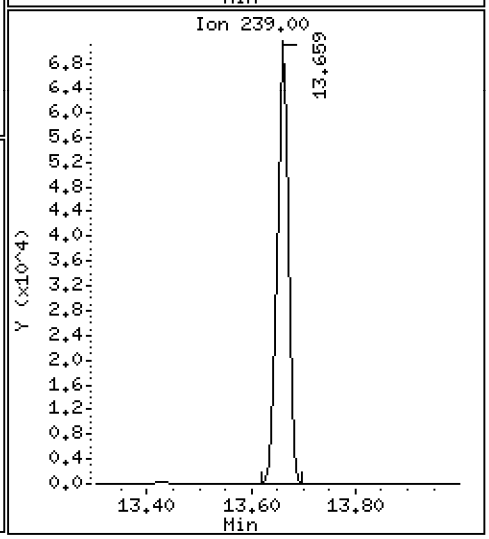












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

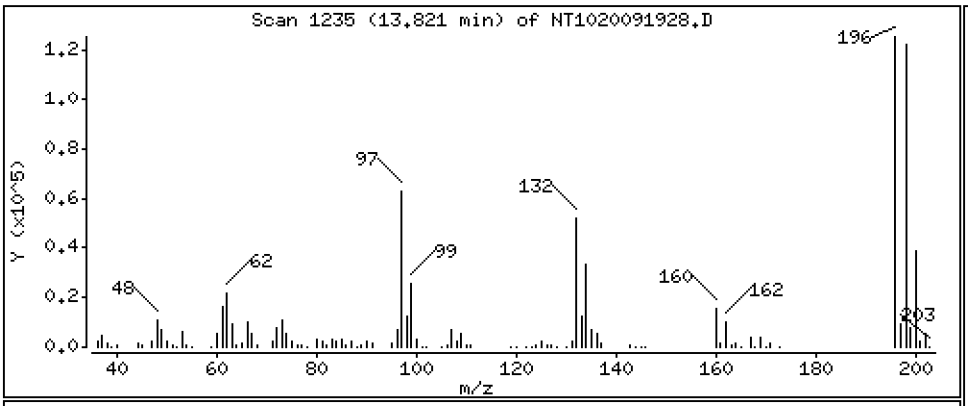
Operator: VTS

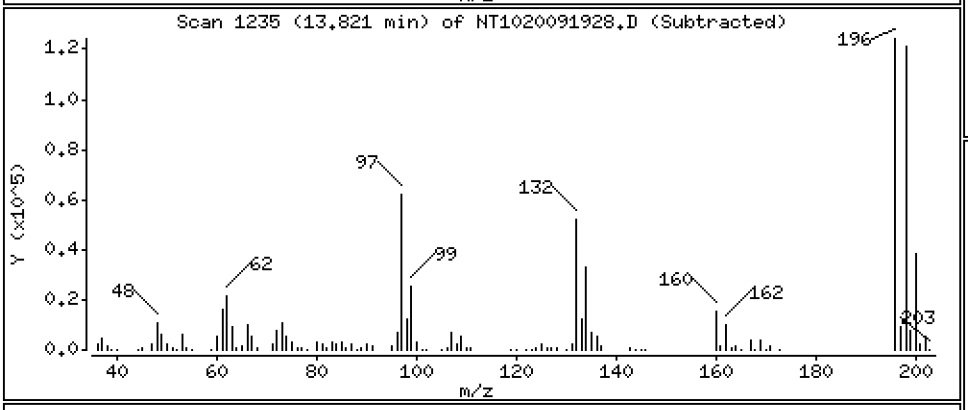
Column phase: ZB-5msi

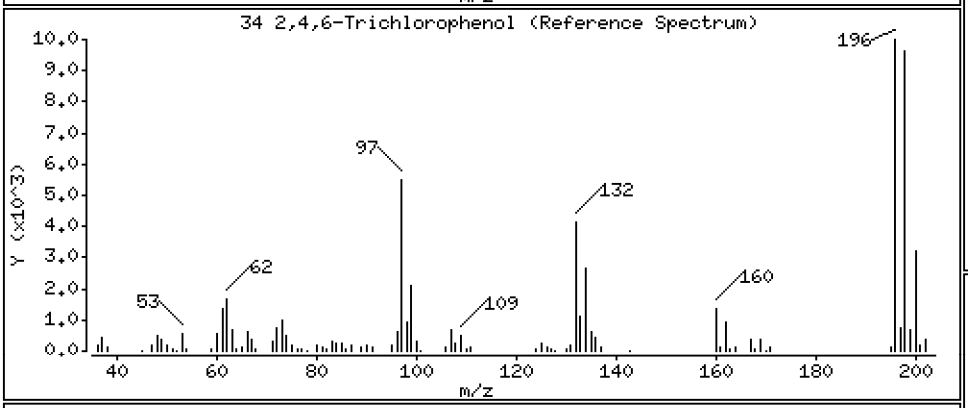
Column diameter: 0.25

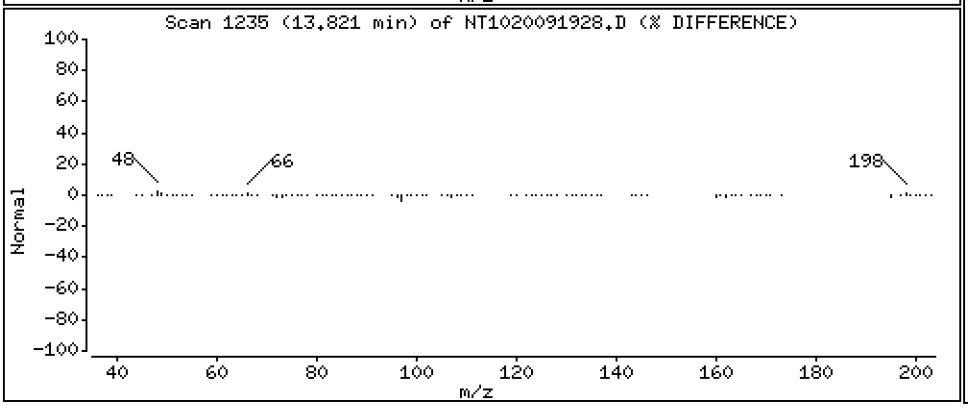
34 2,4,6-Trichlorophenol

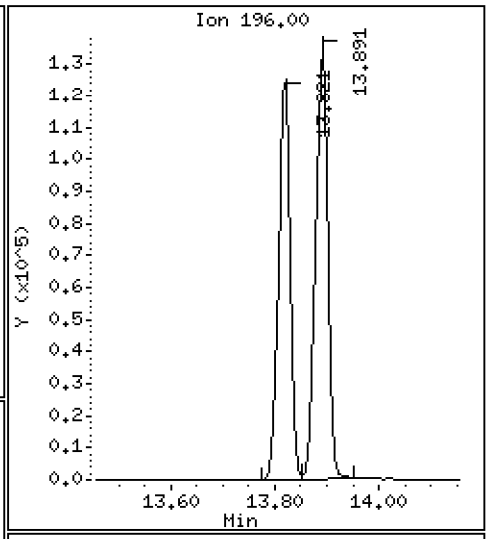
Concentration: 10.06 ug/mL

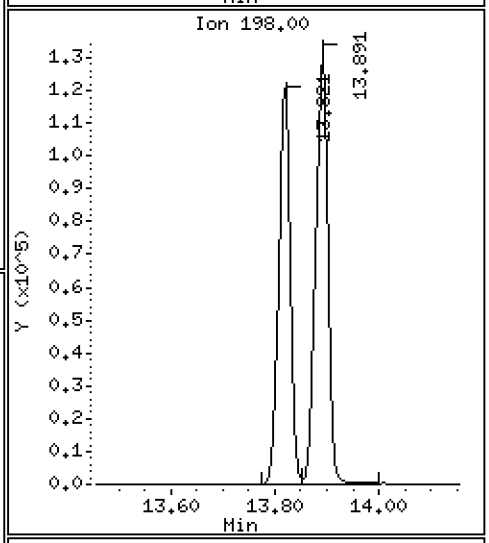


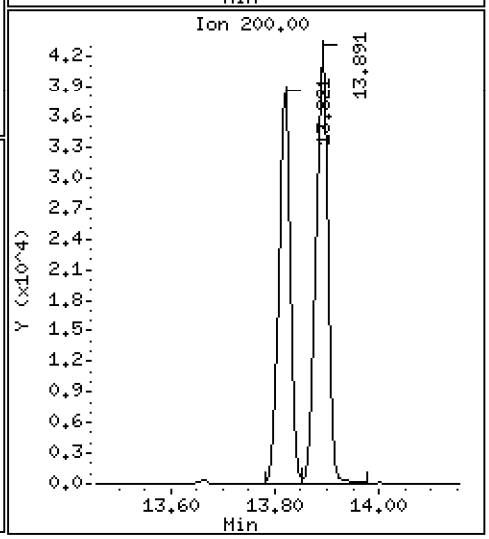












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

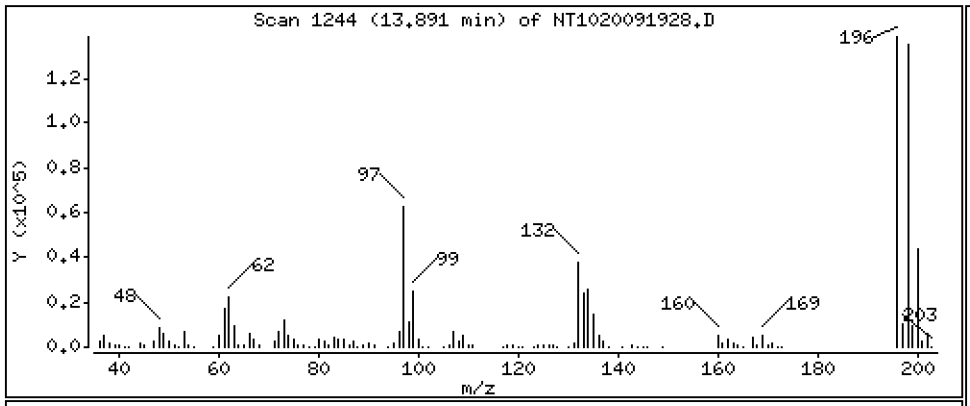
Operator: VTS

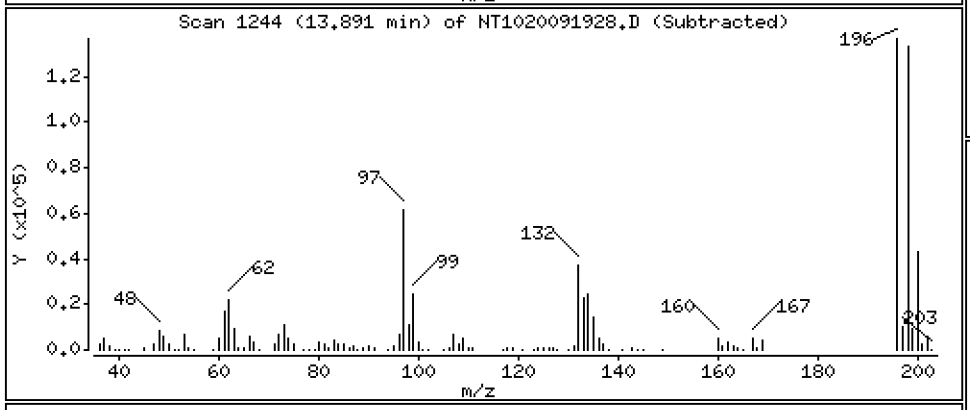
Column phase: ZB-5msi

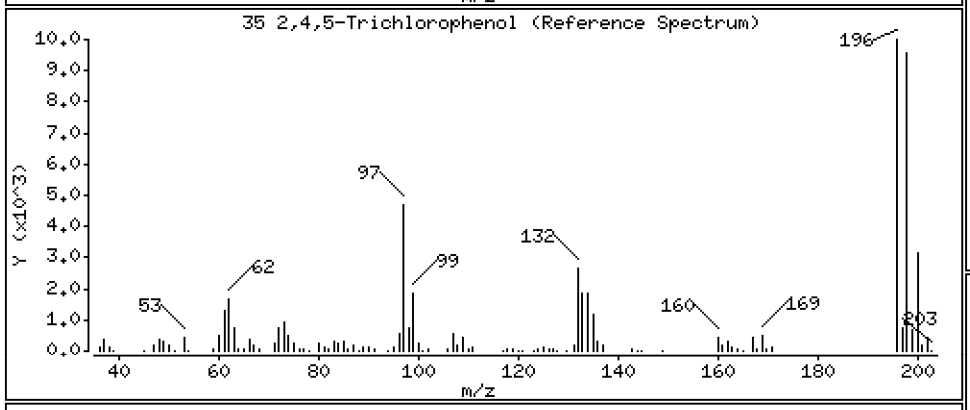
Column diameter: 0.25

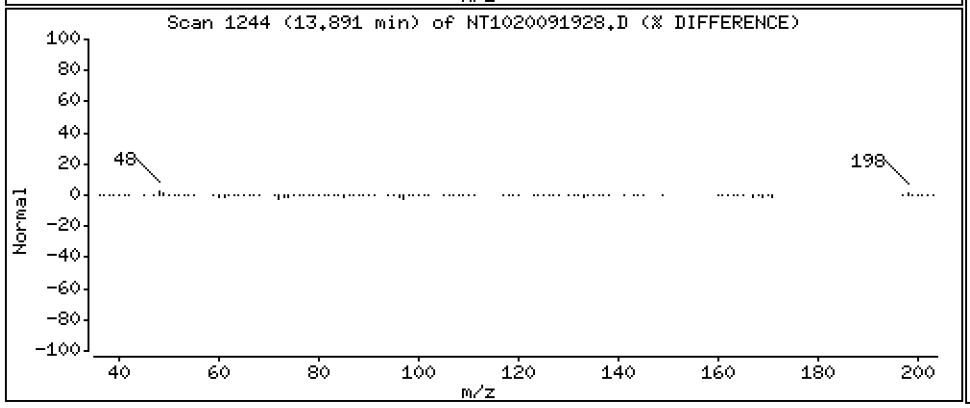
35 2,4,5-Trichlorophenol

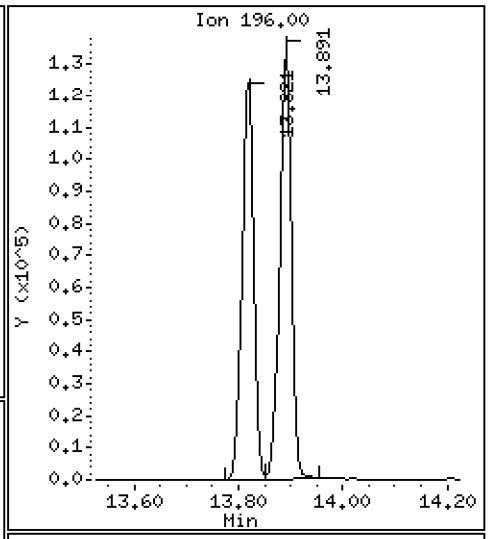
Concentration: 10.01 ug/mL

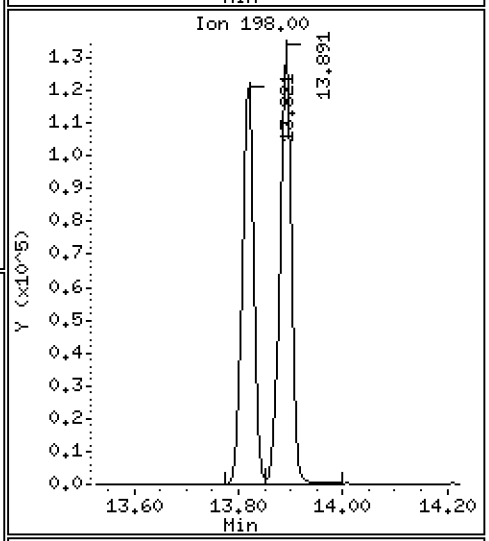


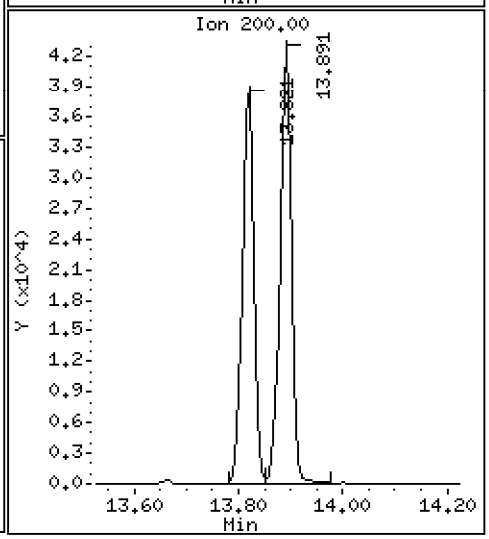












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

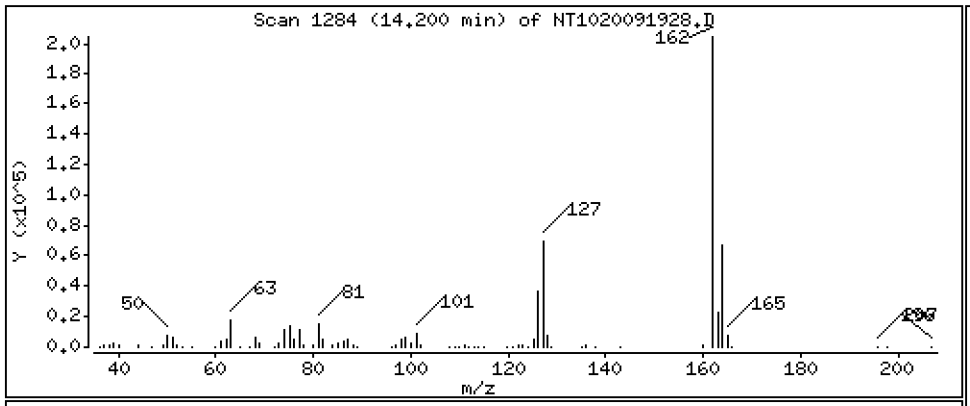
Operator: VTS

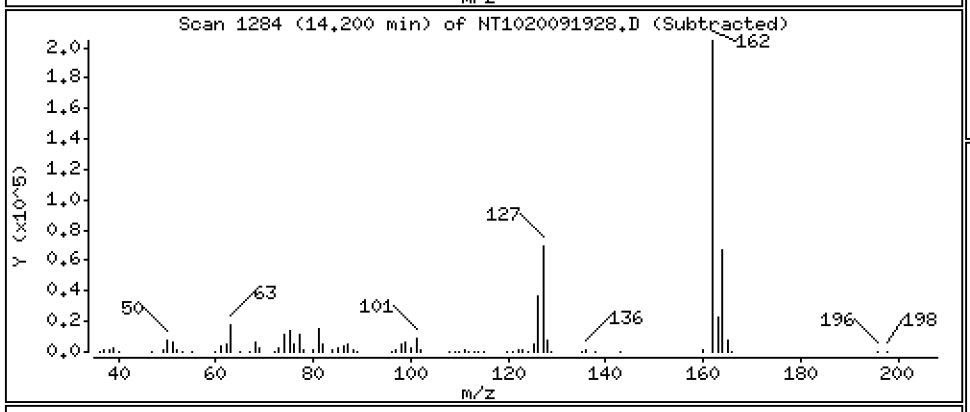
Column phase: ZB-5msi

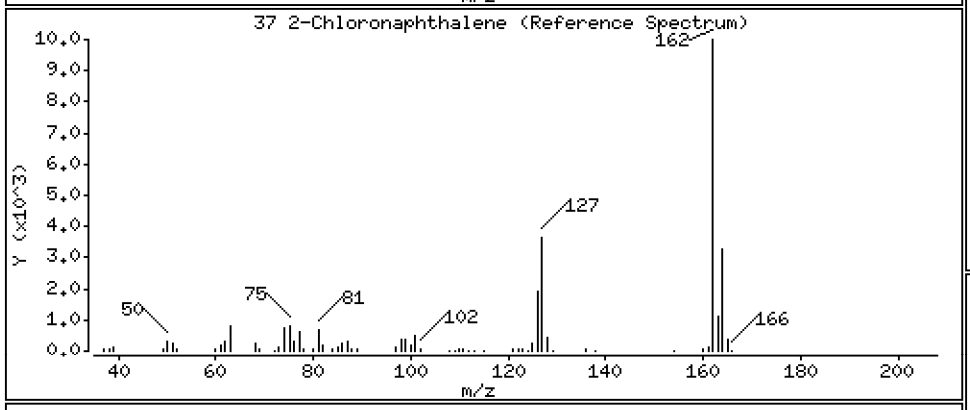
Column diameter: 0.25

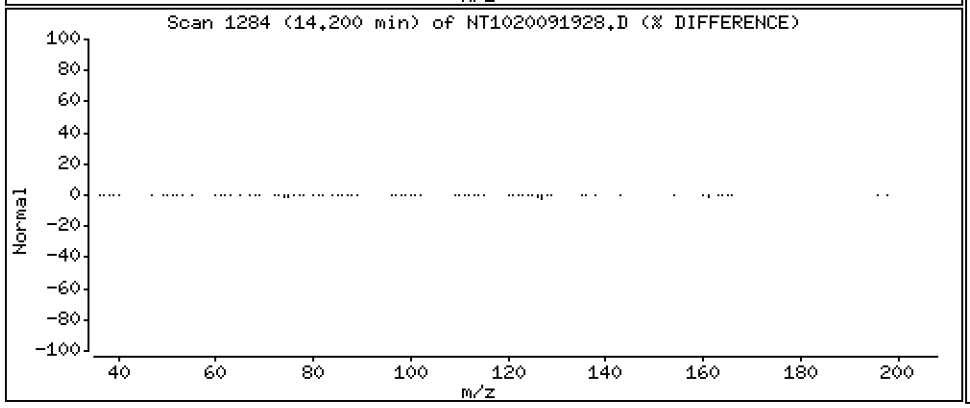
37 2-Chloronaphthalene

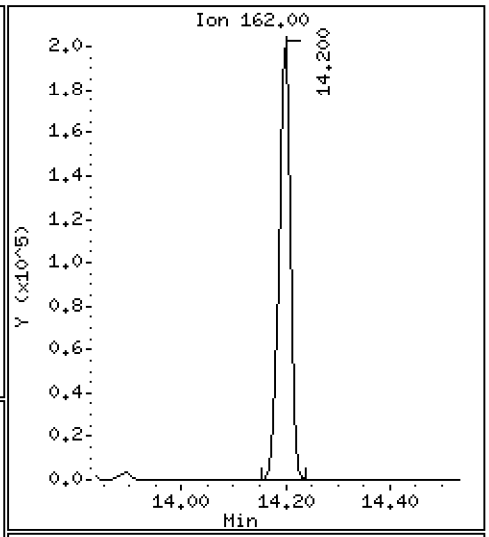
Concentration: 5.111 ug/mL

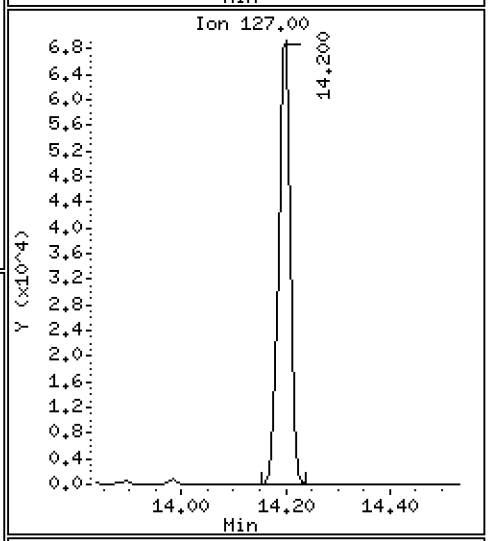


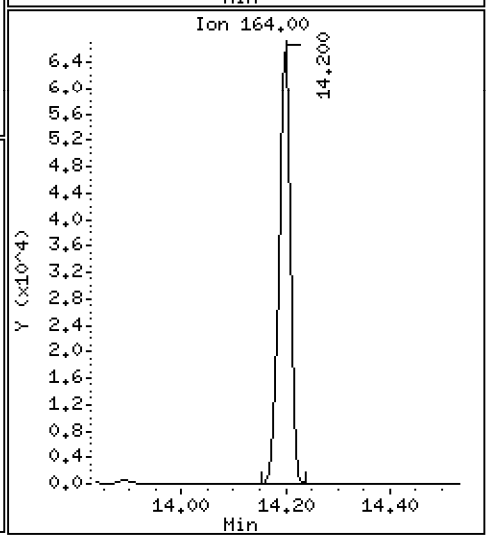












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

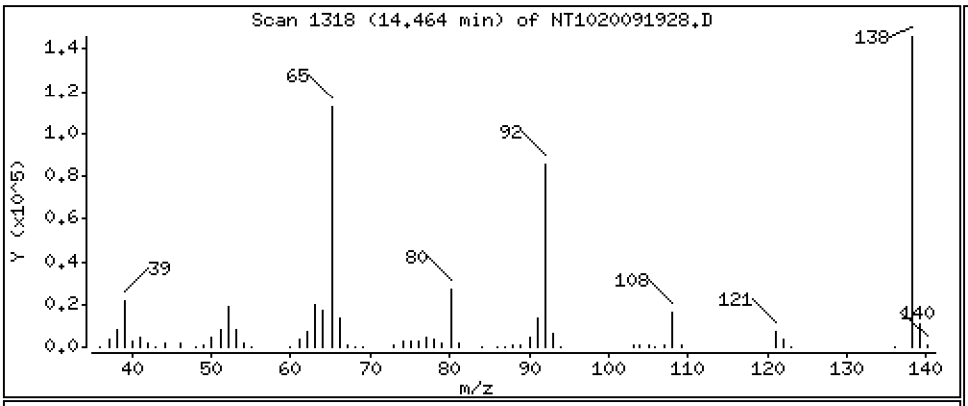
Operator: VTS

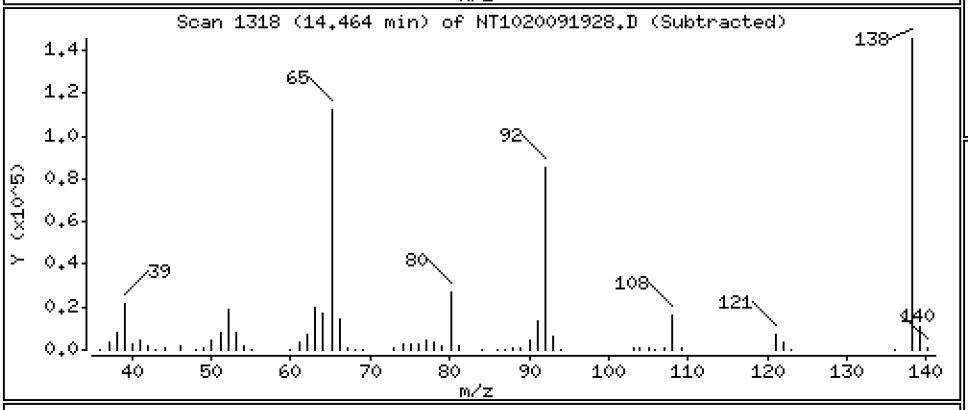
Column phase: ZB-5msi

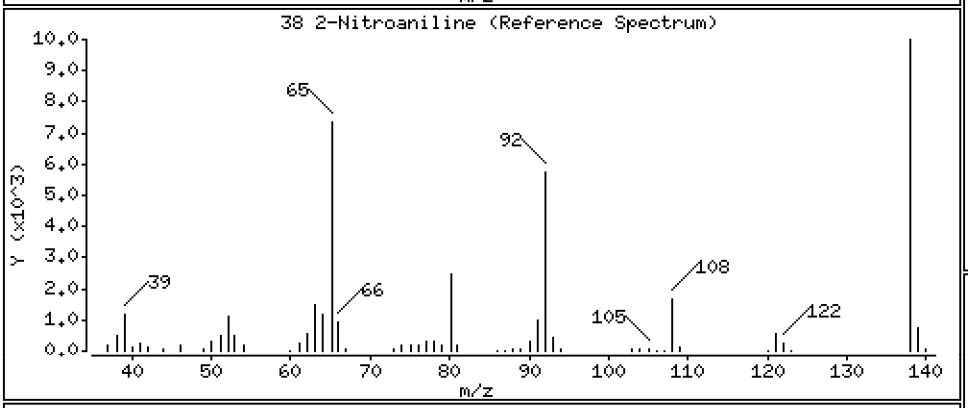
Column diameter: 0.25

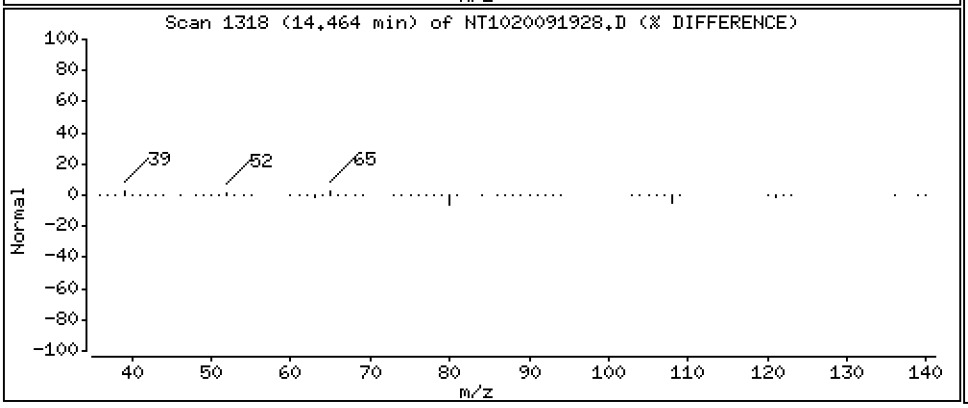
38 2-Nitroaniline

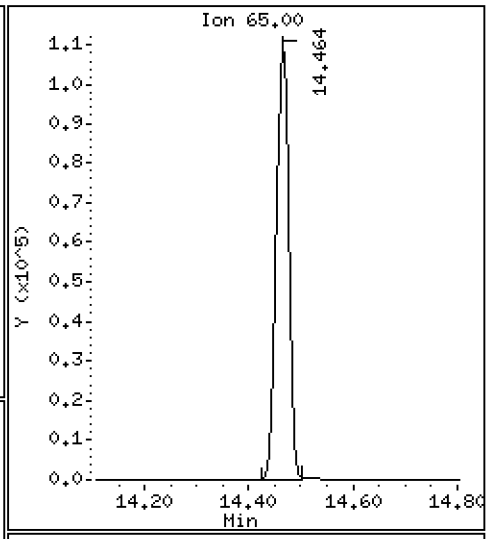
Concentration: 10.96 ug/mL

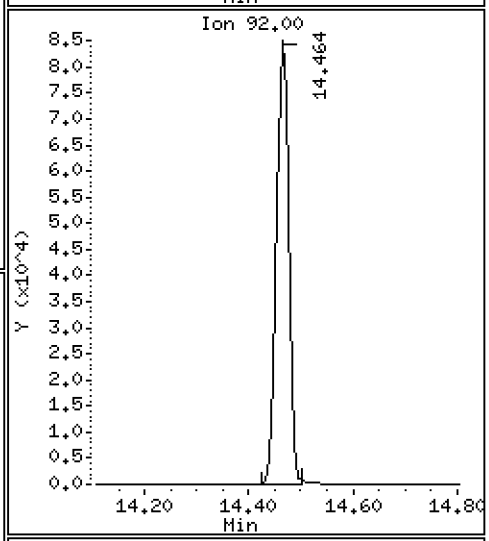


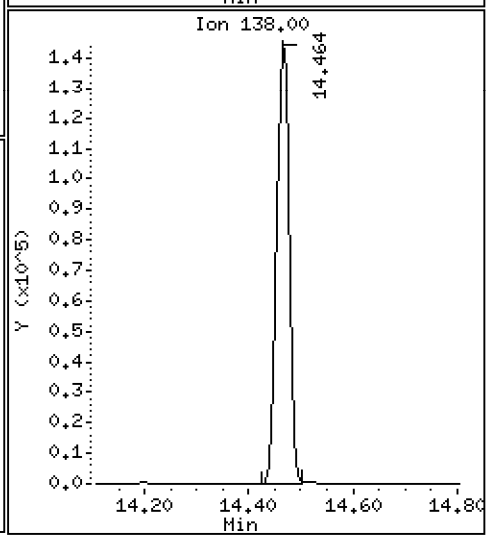












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

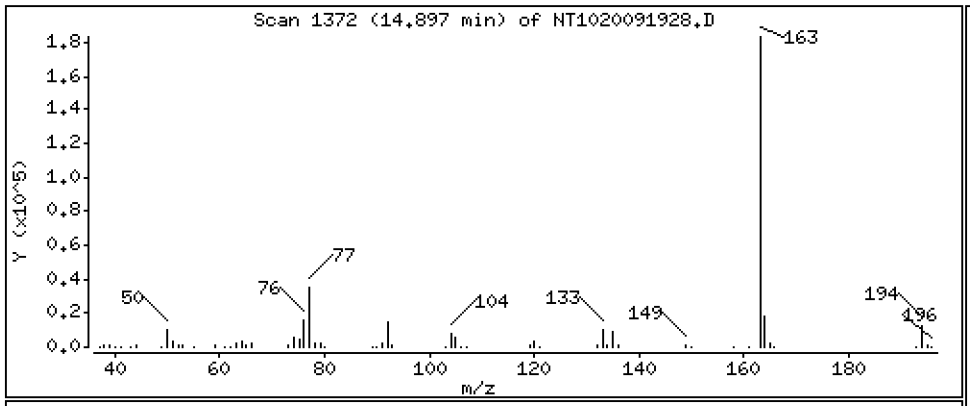
Operator: VTS

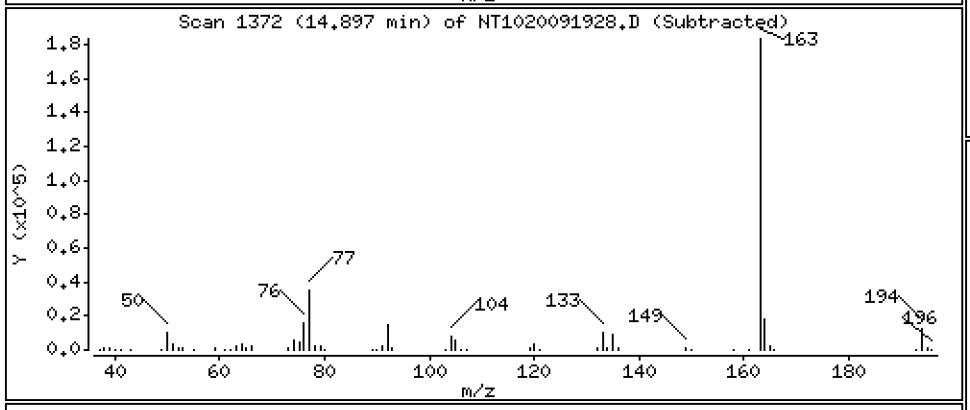
Column phase: ZB-5msi

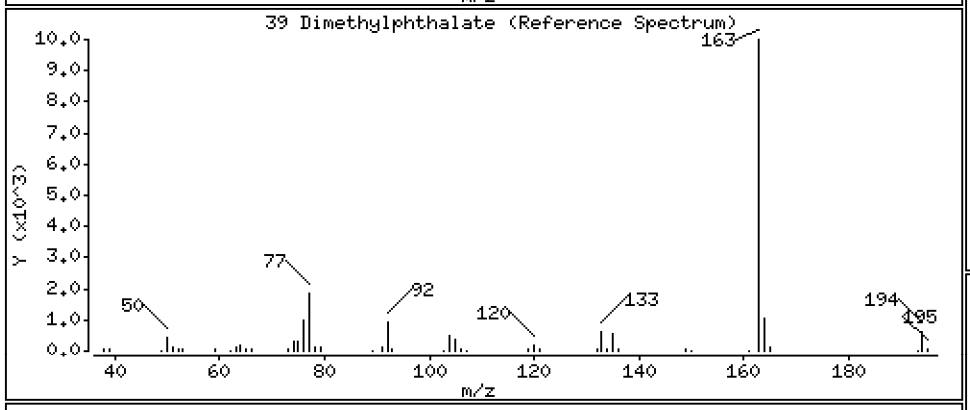
Column diameter: 0.25

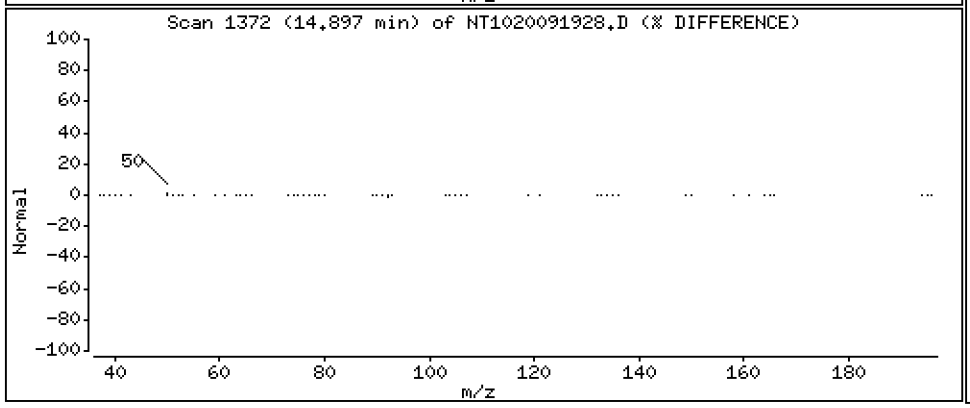
39 Dimethylphthalate

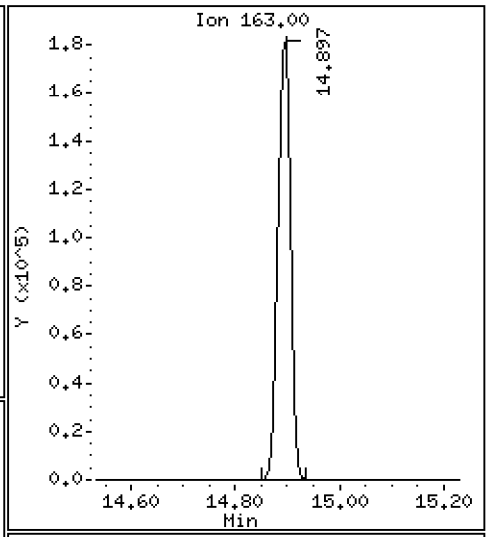
Concentration: 4.979 ug/mL

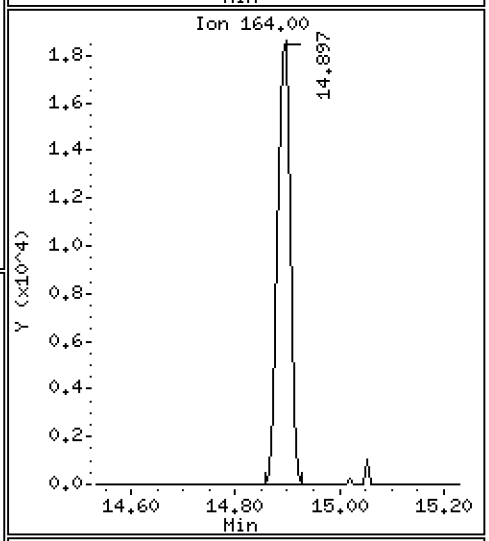


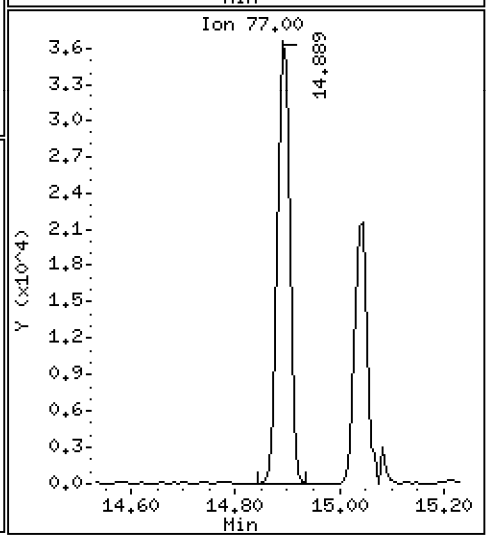












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

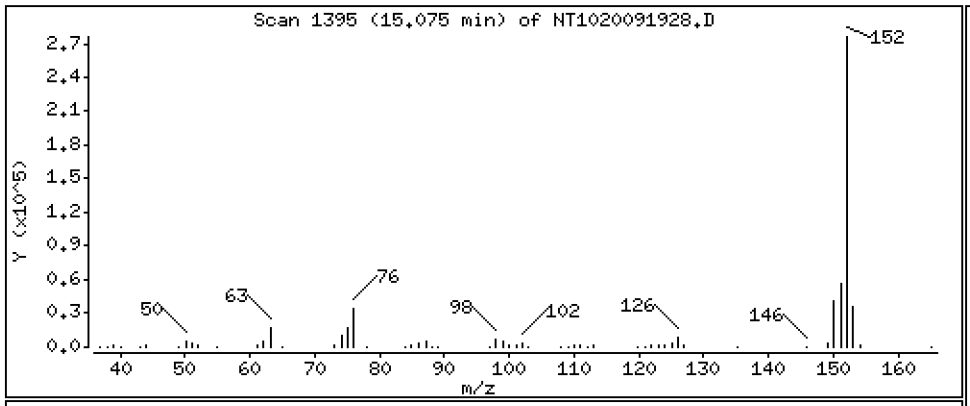
Operator: VTS

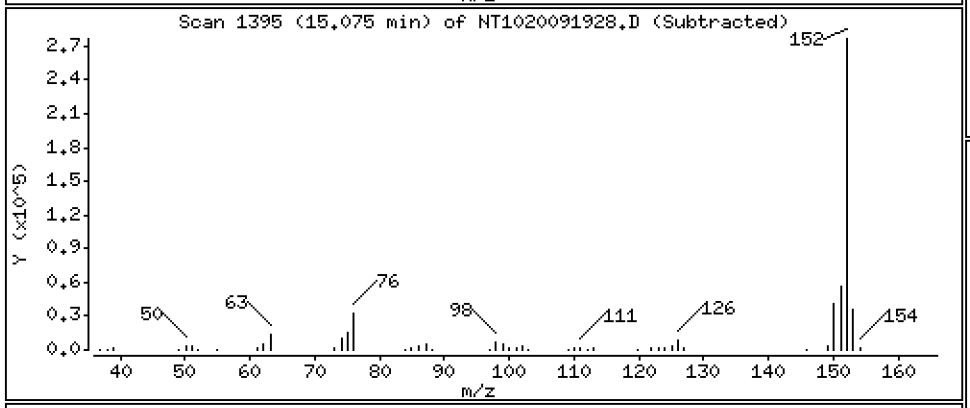
Column phase: ZB-5msi

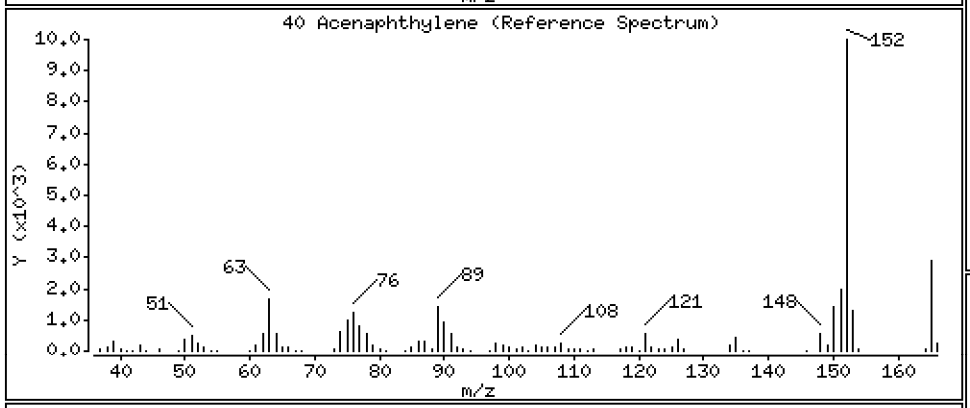
Column diameter: 0.25

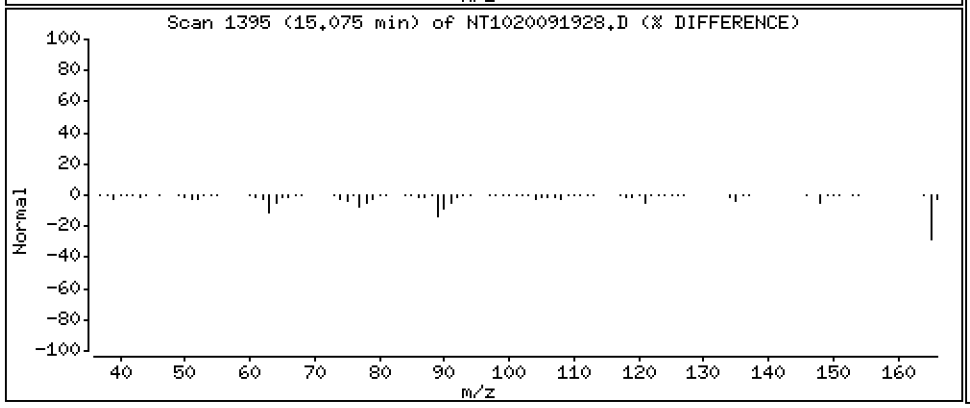
40 Acenaphthylene

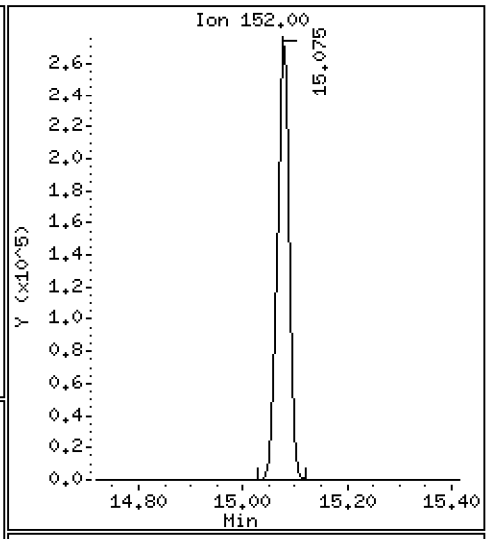
Concentration: 4.853 ug/mL

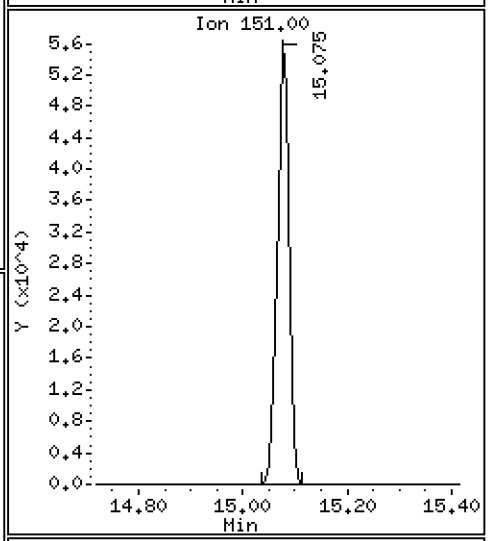


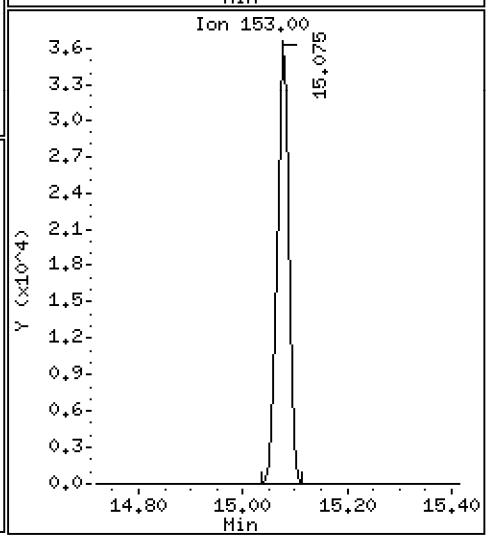












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

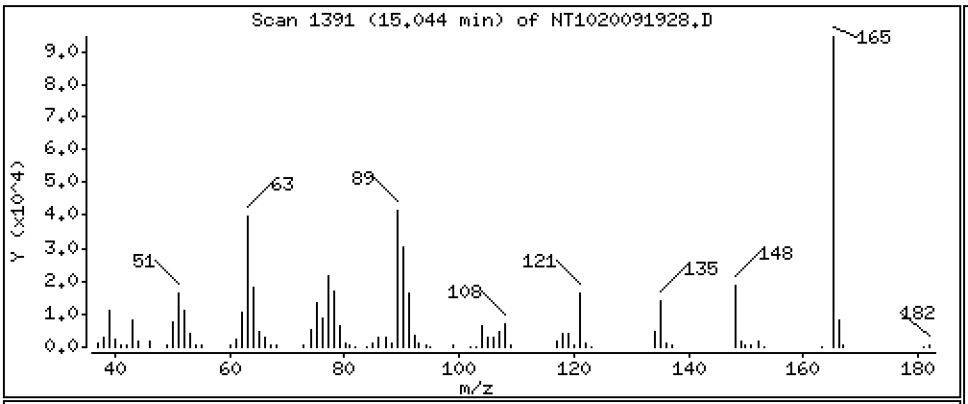
Operator: VTS

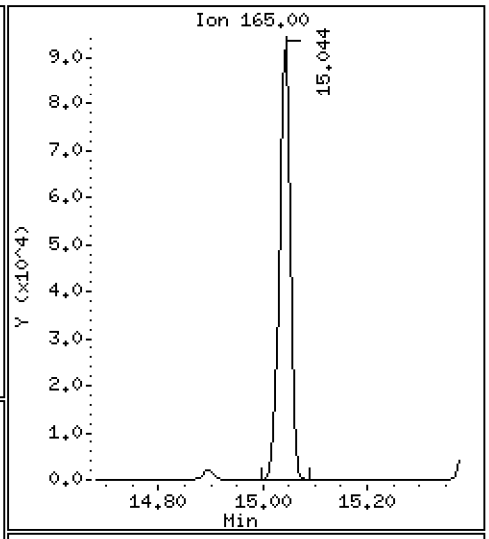
Column phase: ZB-5msi

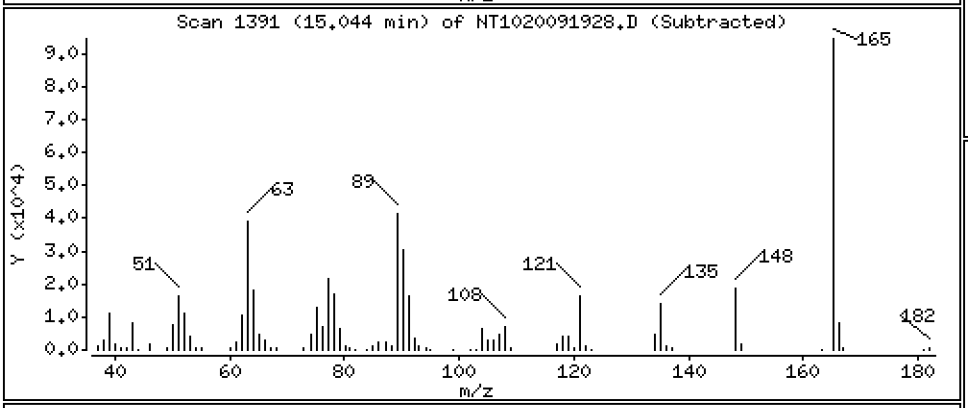
Column diameter: 0.25

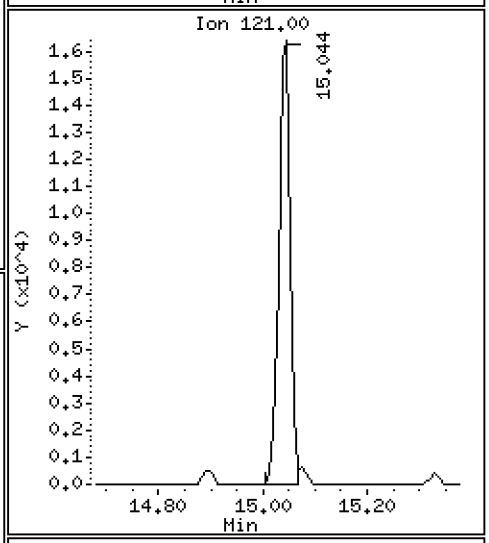
41 2,6-Dinitrotoluene

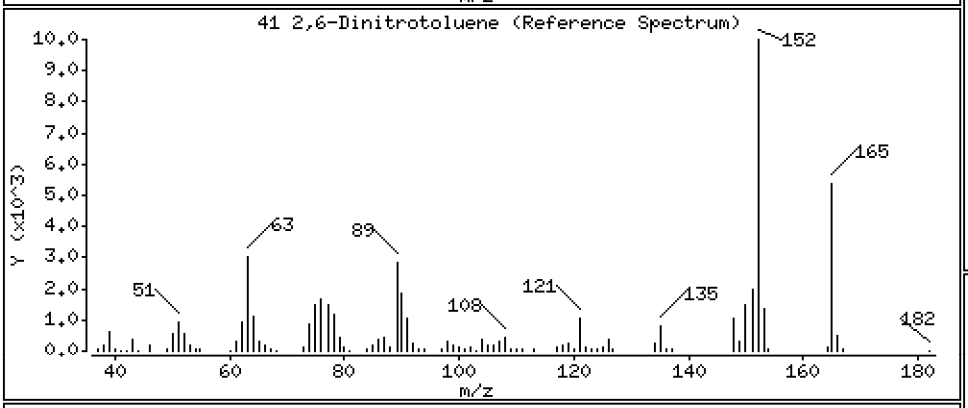
Concentration: 10.18 ug/mL

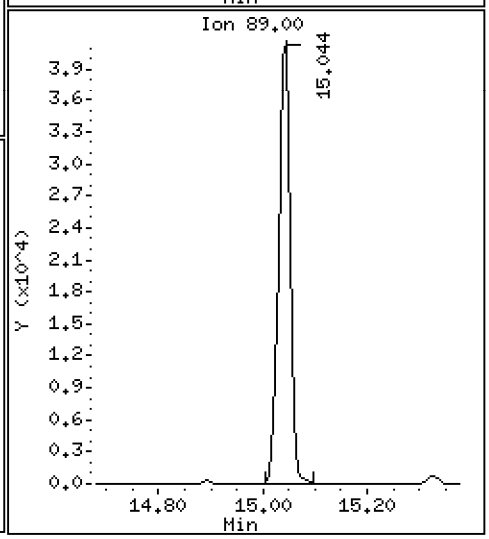


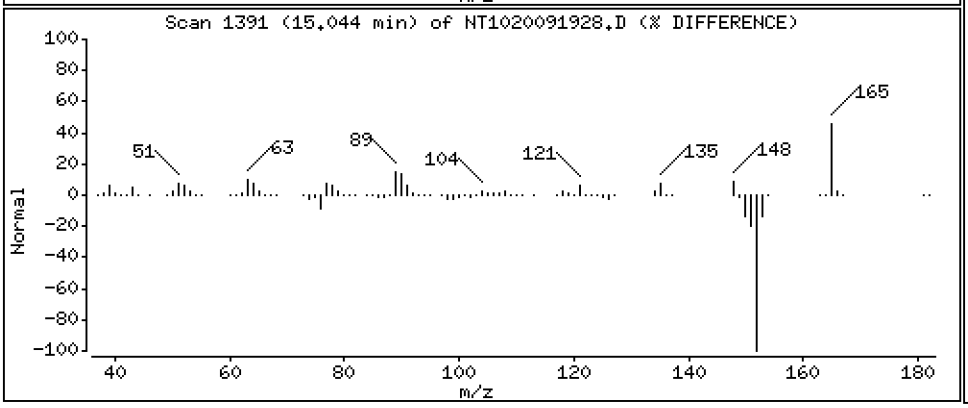












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

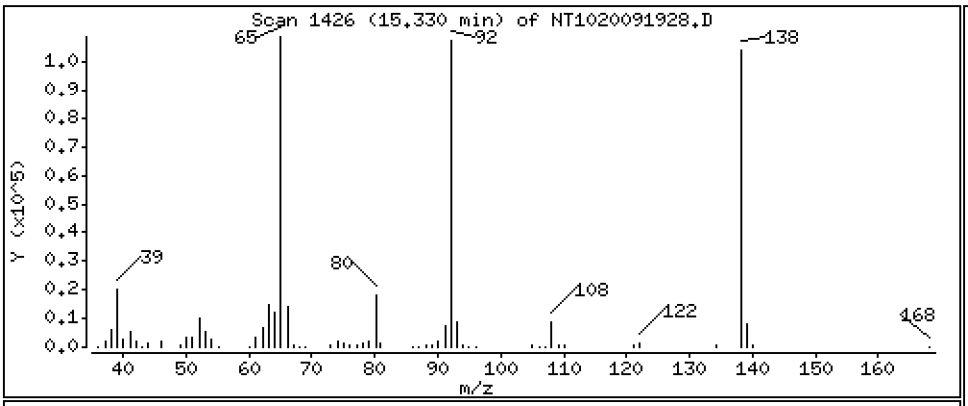
Operator: VTS

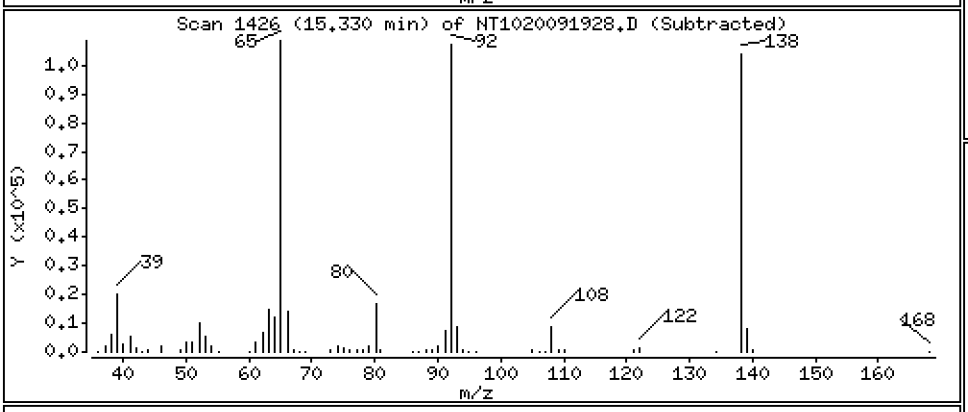
Column phase: ZB-5msi

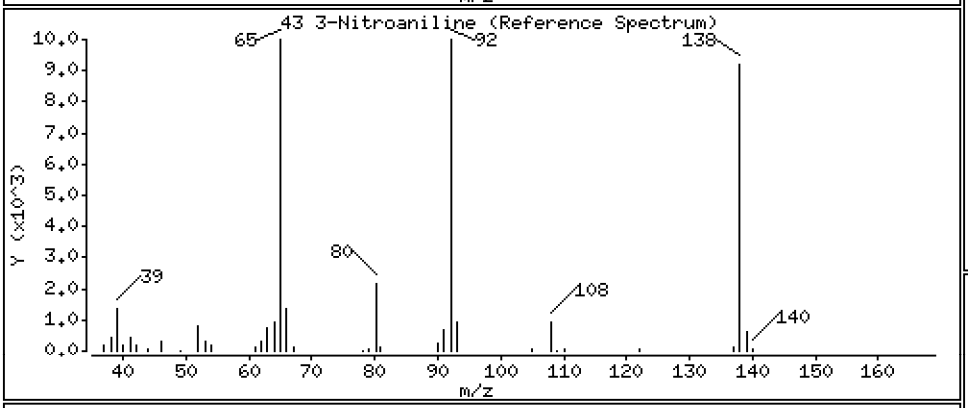
Column diameter: 0.25

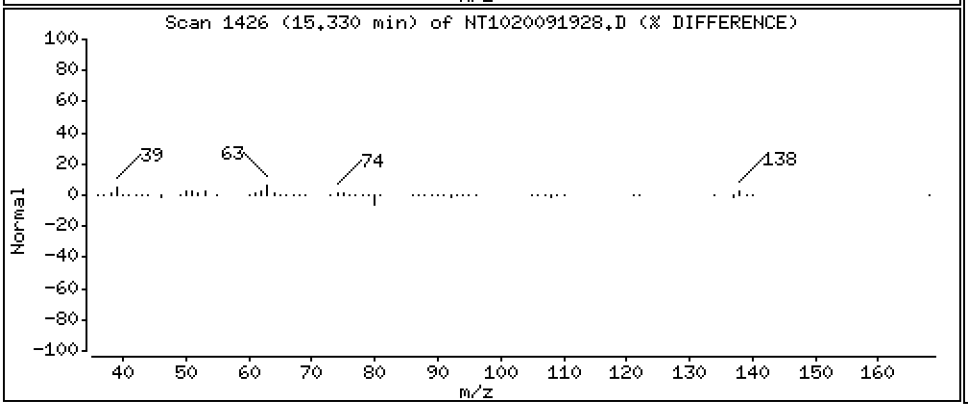
43 3-Nitroaniline

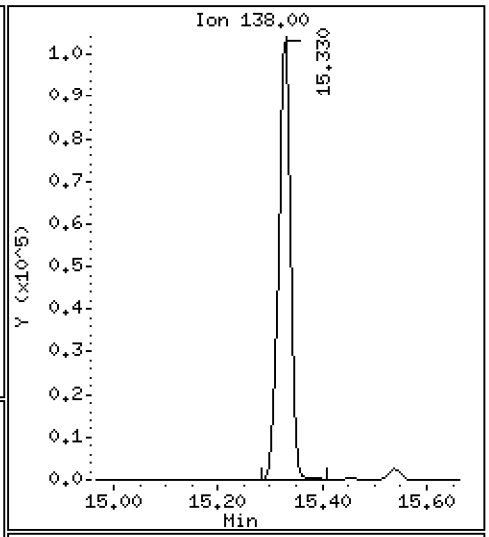
Concentration: 10.65 ug/mL

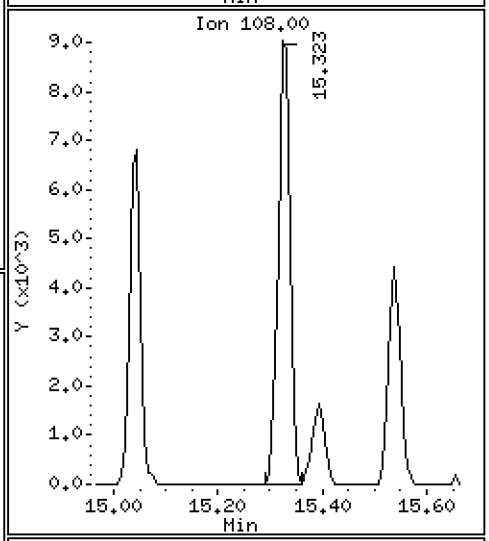


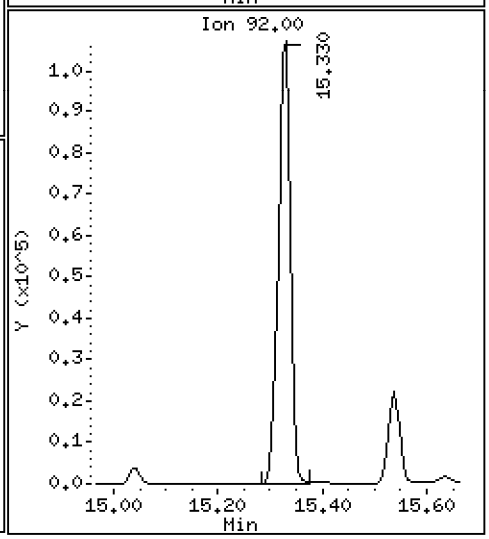












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

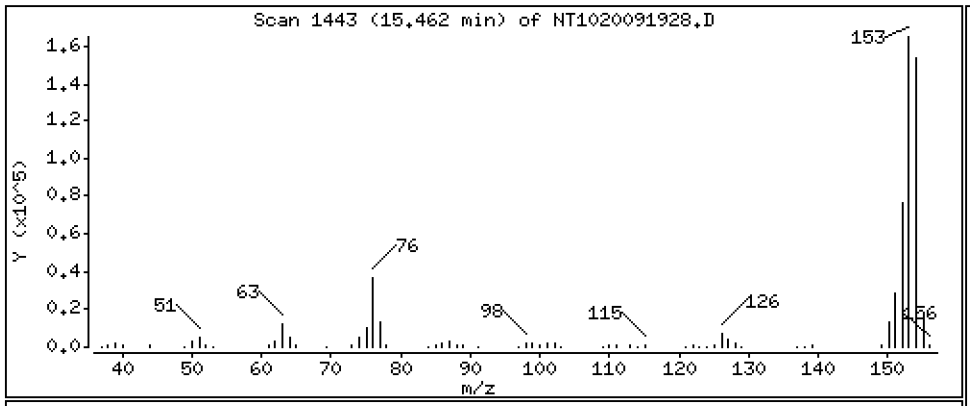
Operator: VTS

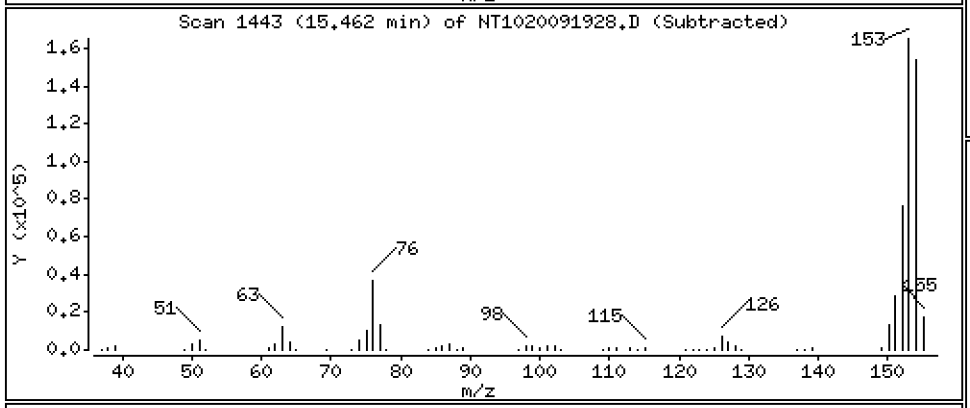
Column phase: ZB-5msi

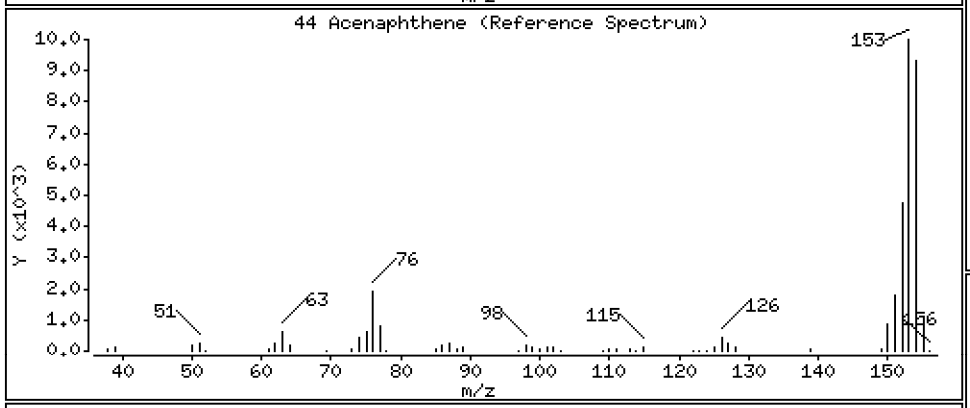
Column diameter: 0.25

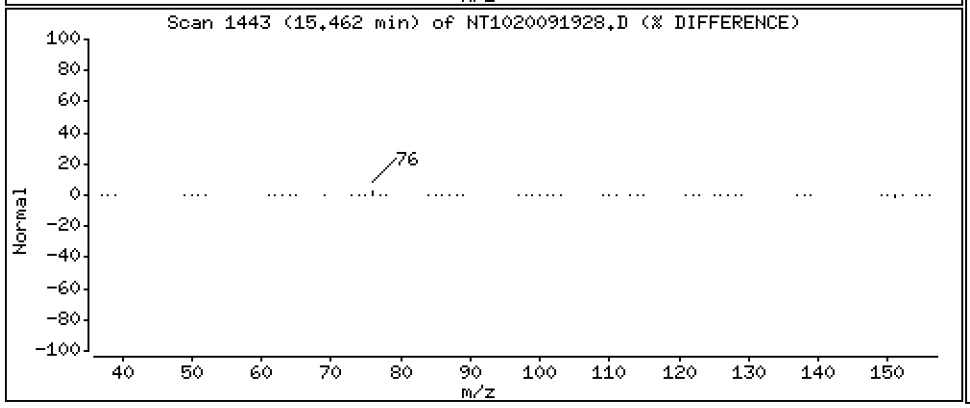
44 Acenaphthene

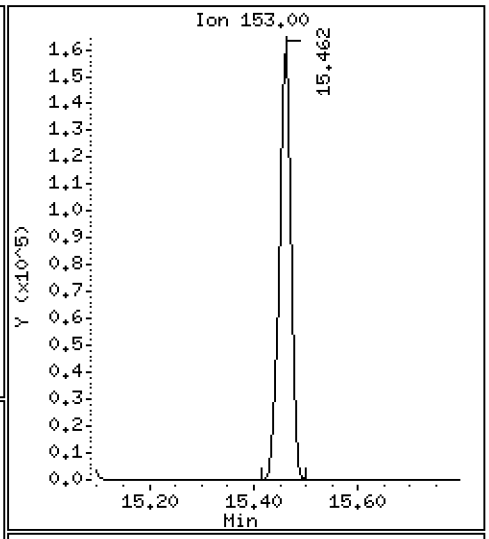
Concentration: 5.026 ug/mL

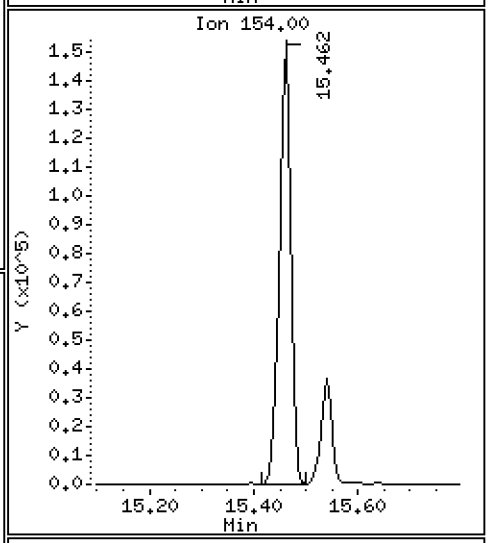


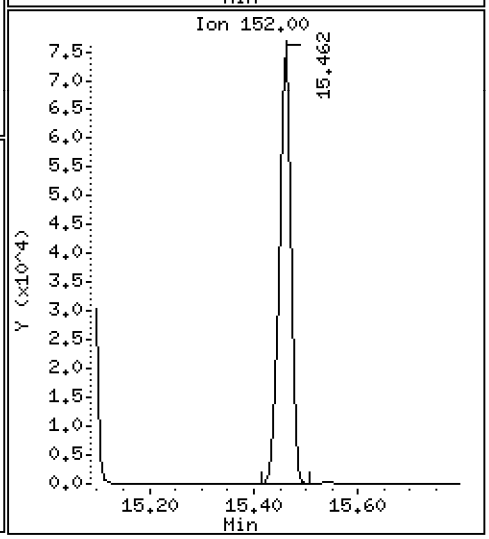












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

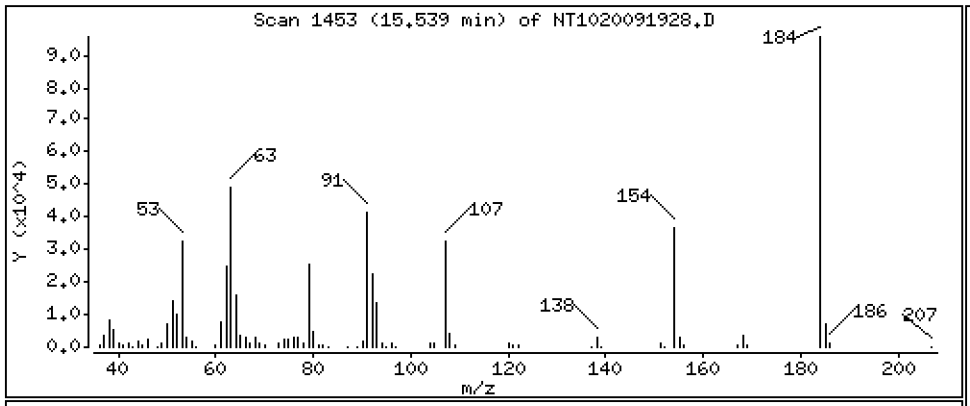
Operator: VTS

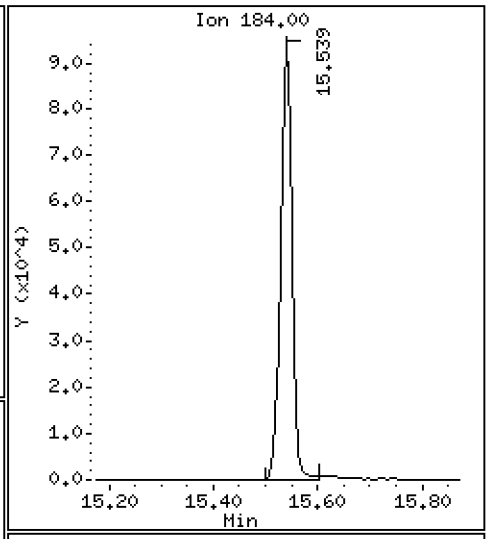
Column phase: ZB-5msi

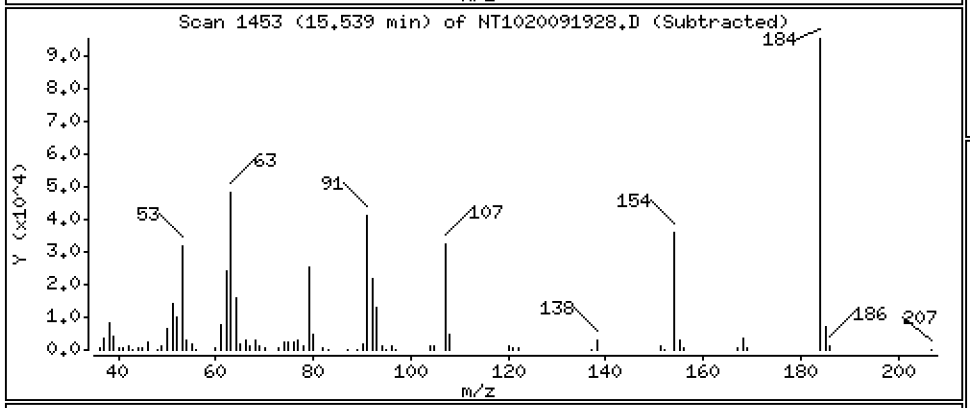
Column diameter: 0.25

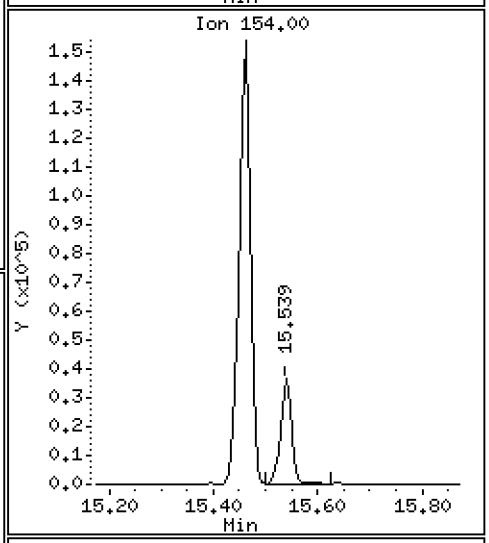
45 2,4-Dinitrophenol

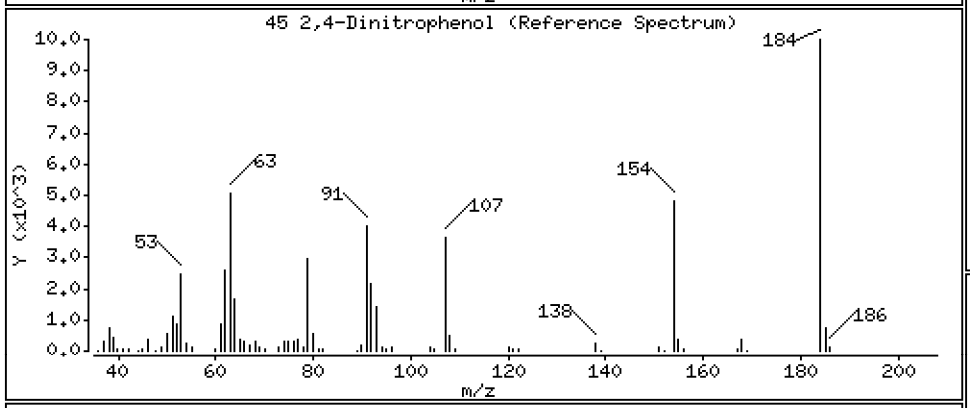
Concentration: 16.35 ug/mL

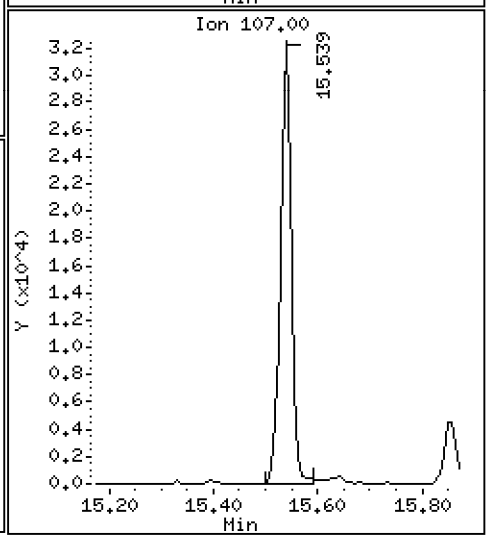


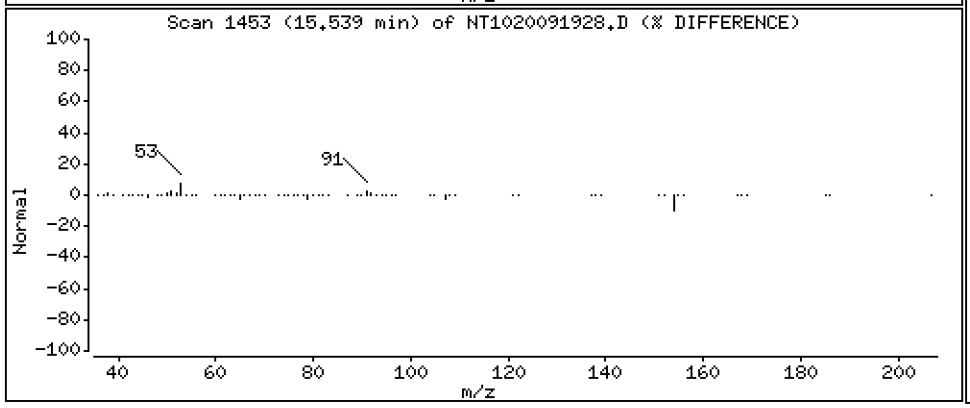












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

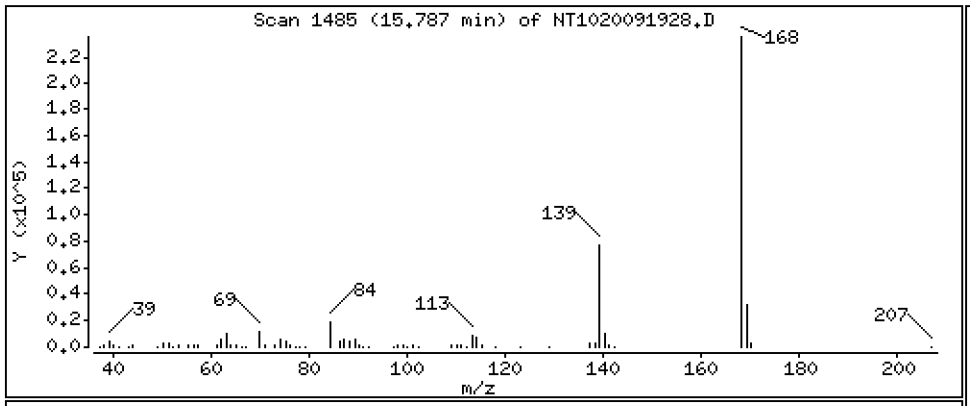
Operator: VTS

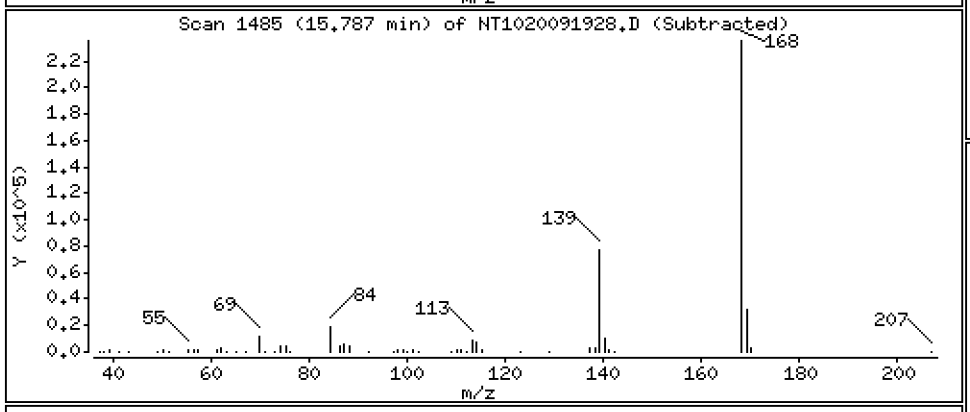
Column phase: ZB-5msi

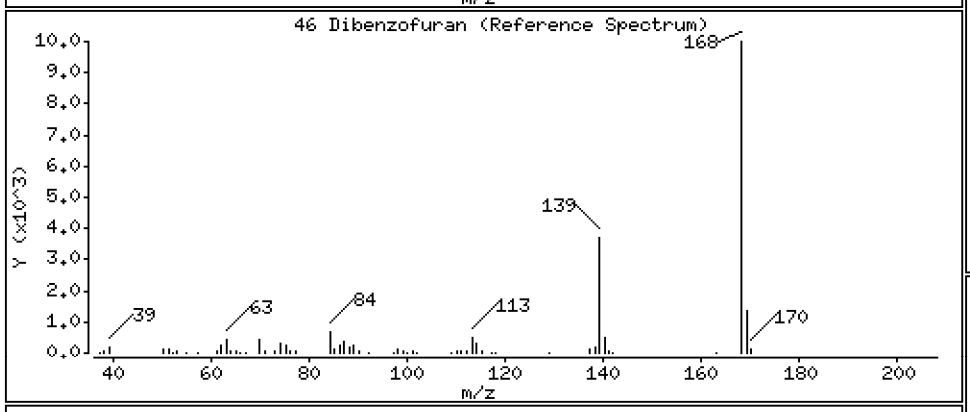
Column diameter: 0.25

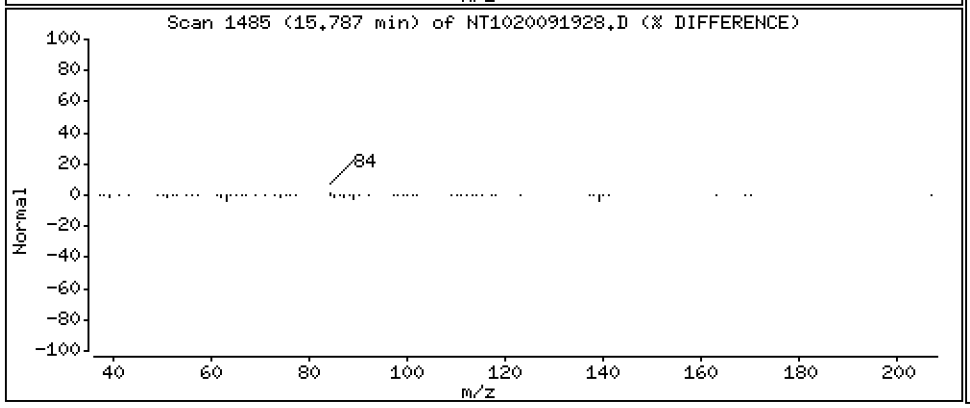
46 Dibenzofuran

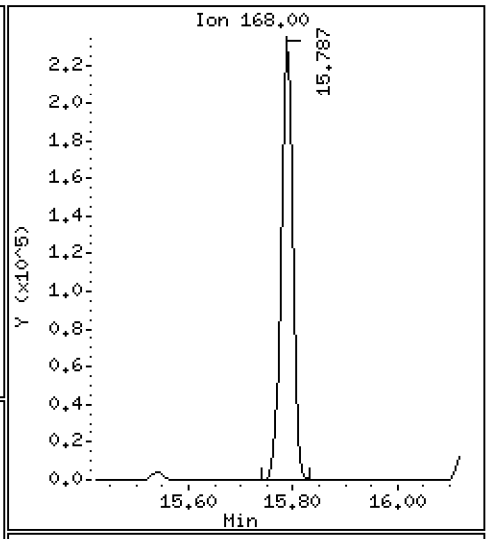
Concentration: 5.003 ug/mL

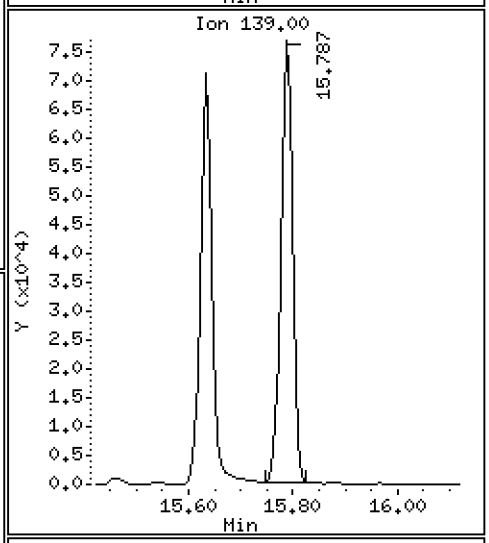


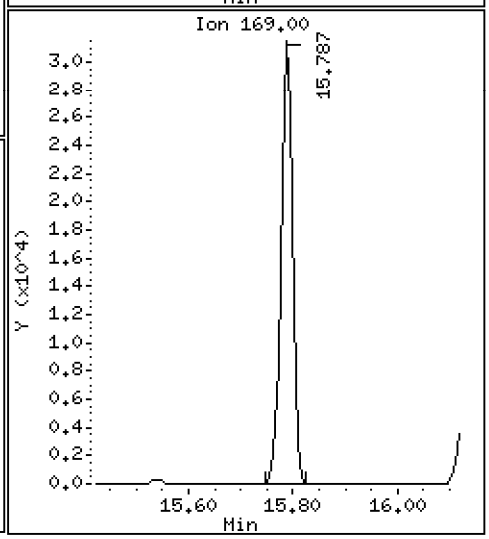












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

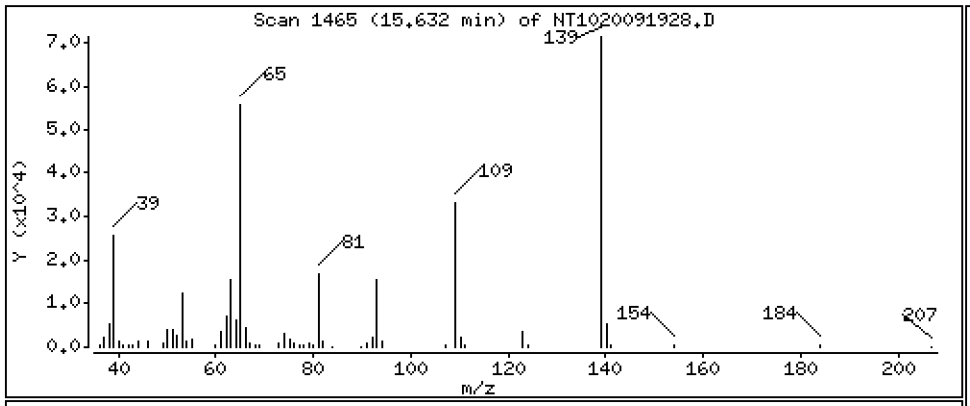
Operator: VTS

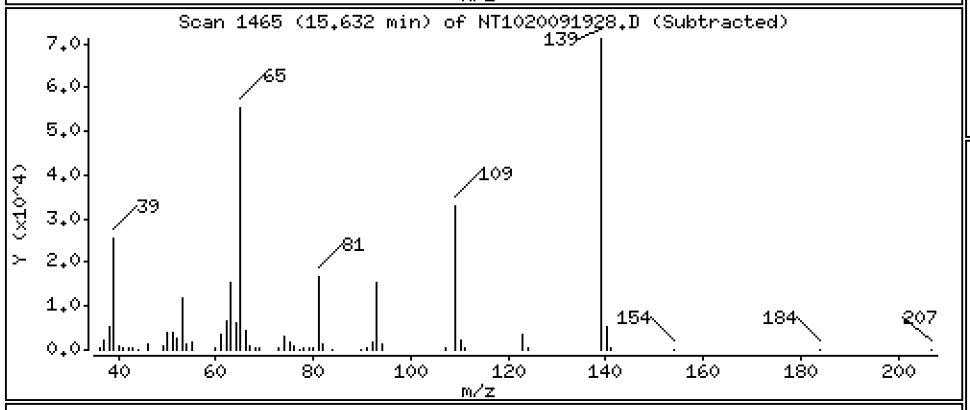
Column phase: ZB-5msi

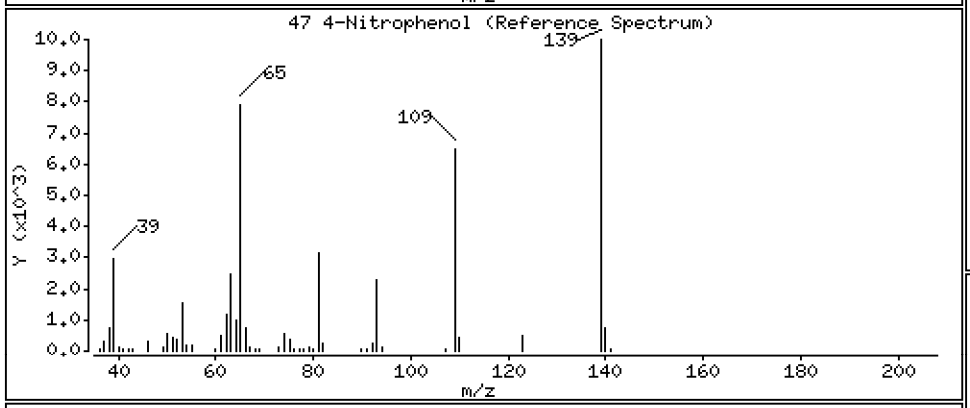
Column diameter: 0.25

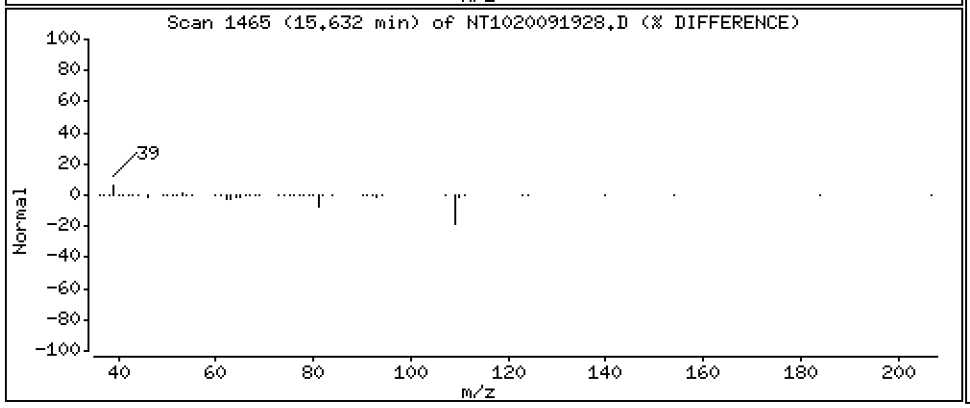
47 4-Nitrophenol

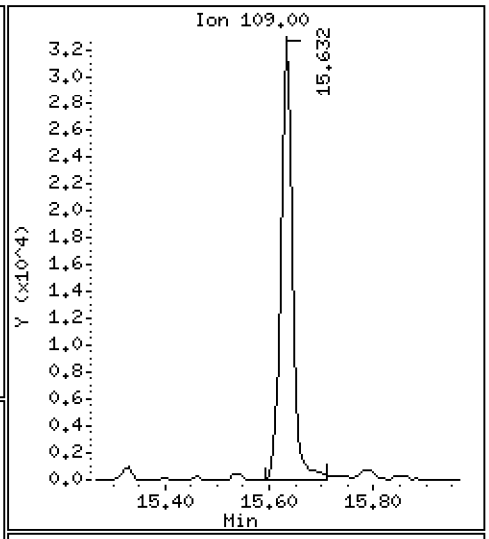
Concentration: 9.987 ug/mL

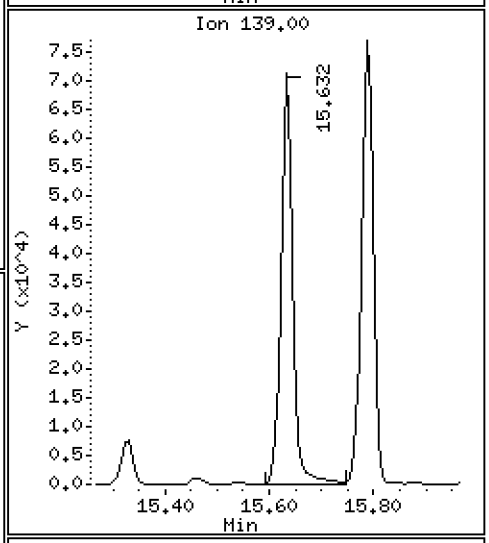


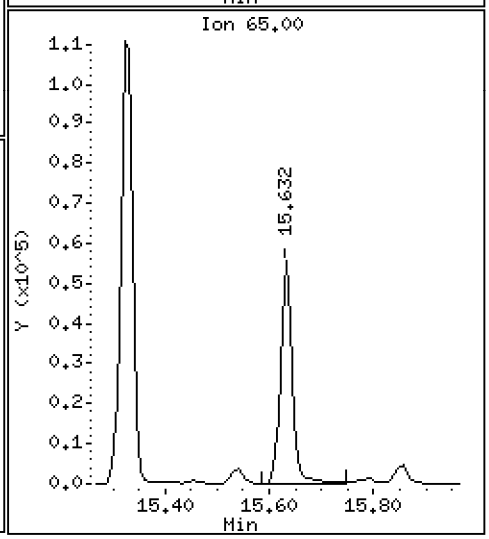












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

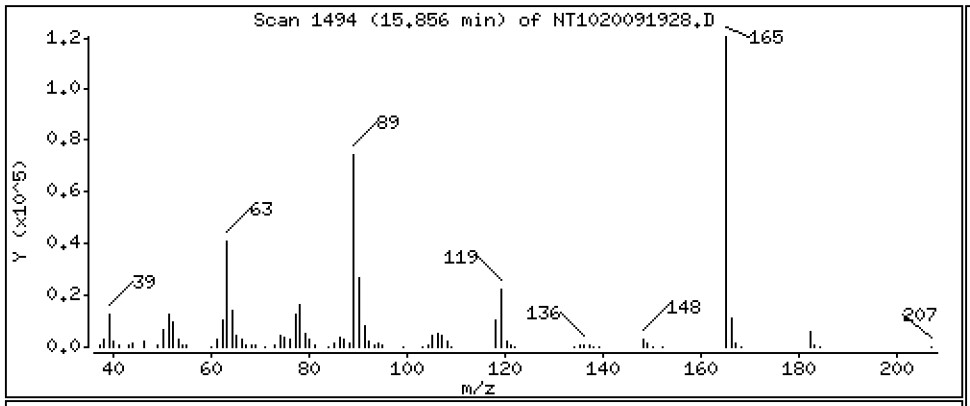
Operator: VTS

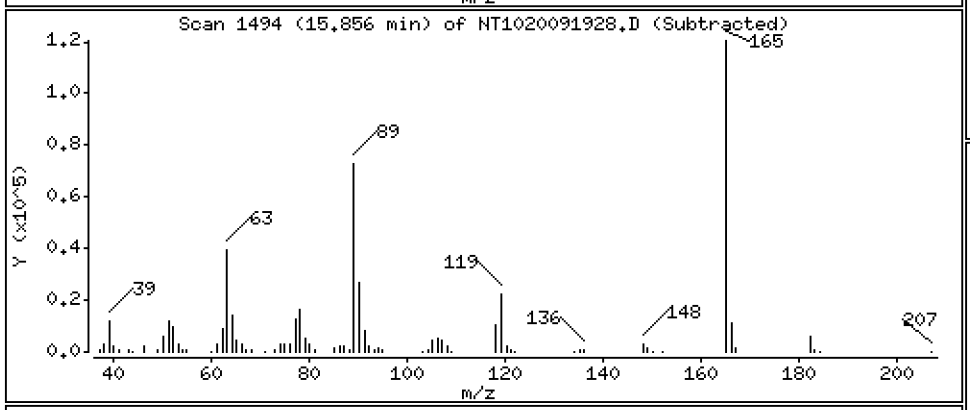
Column phase: ZB-5msi

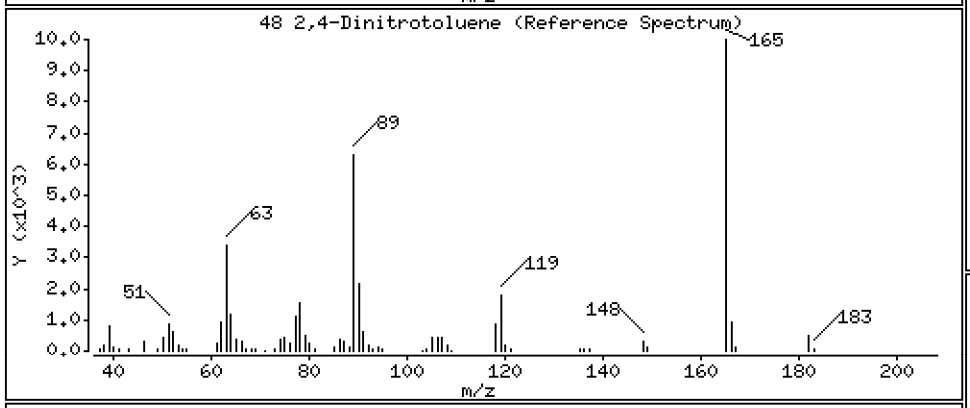
Column diameter: 0.25

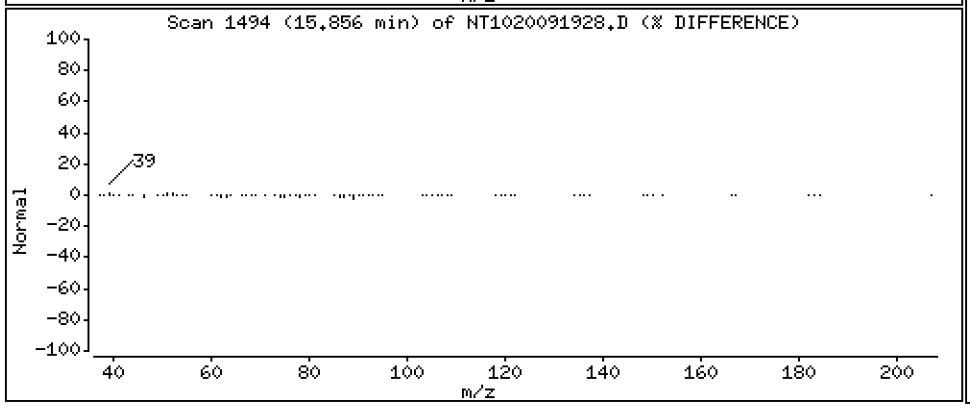
48 2,4-Dinitrotoluene

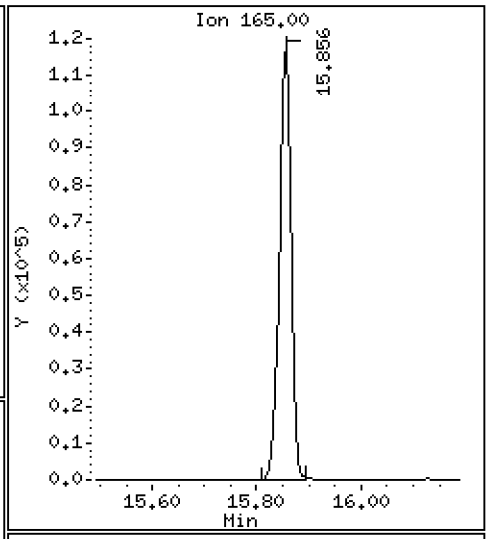
Concentration: 10.43 ug/mL

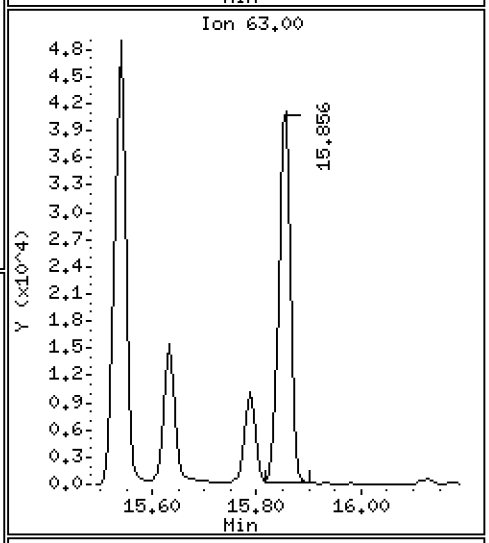


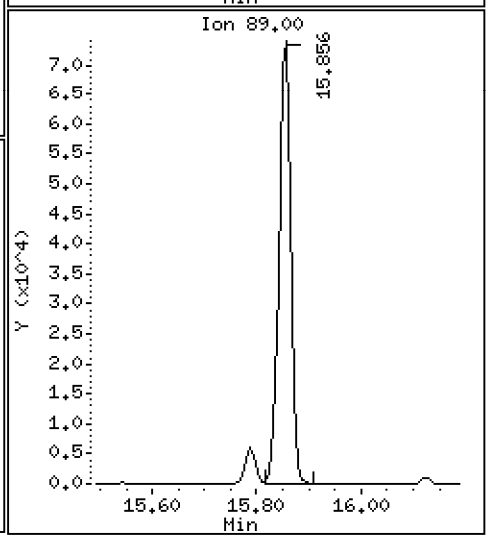












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

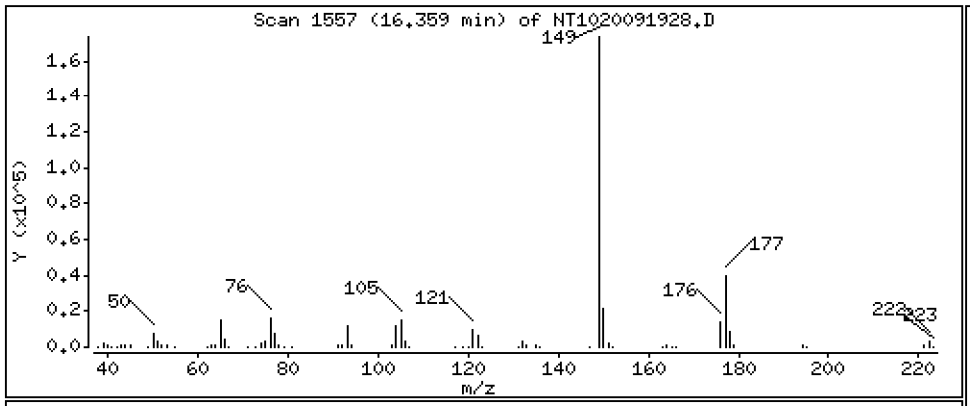
Operator: VTS

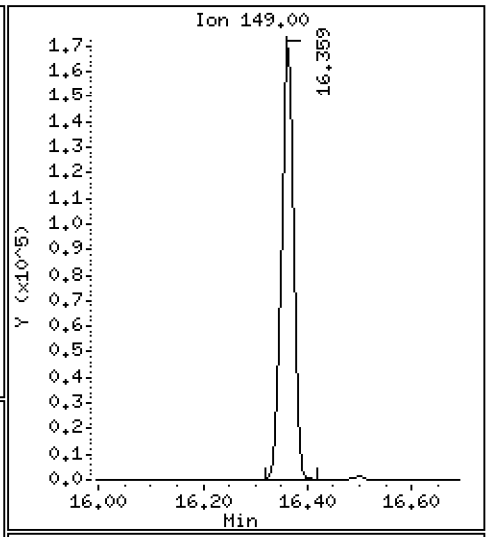
Column phase: ZB-5msi

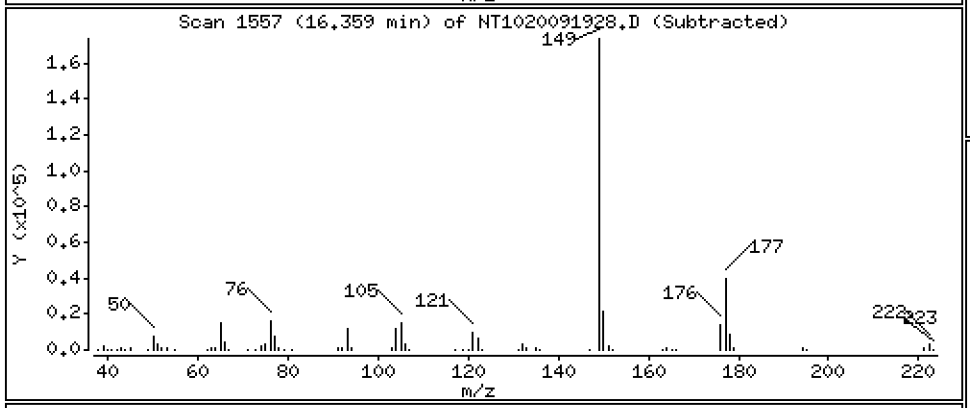
Column diameter: 0.25

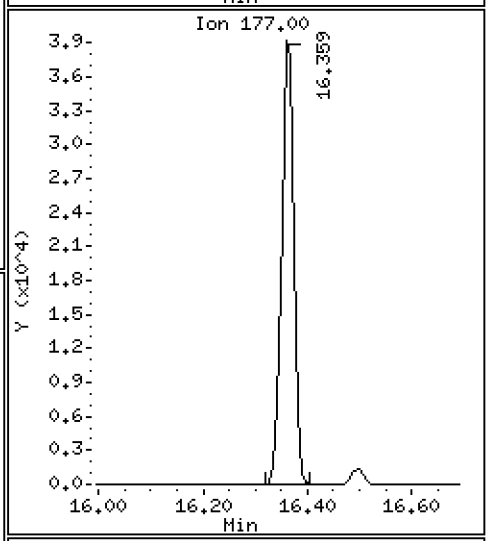
50 Diethylphthalate

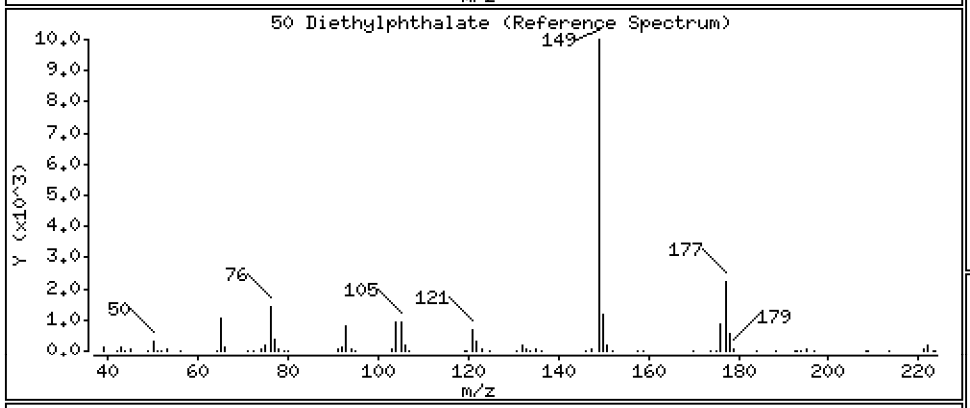
Concentration: 5.115 ug/mL

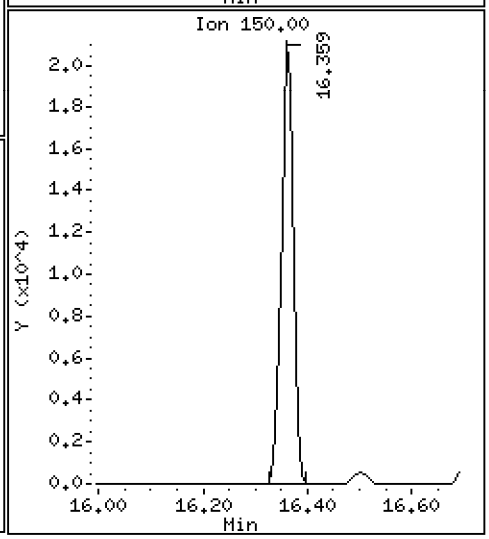


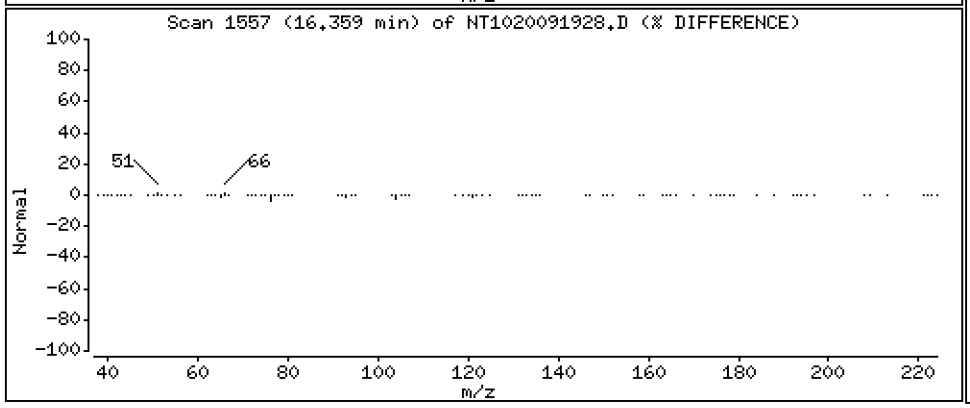












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

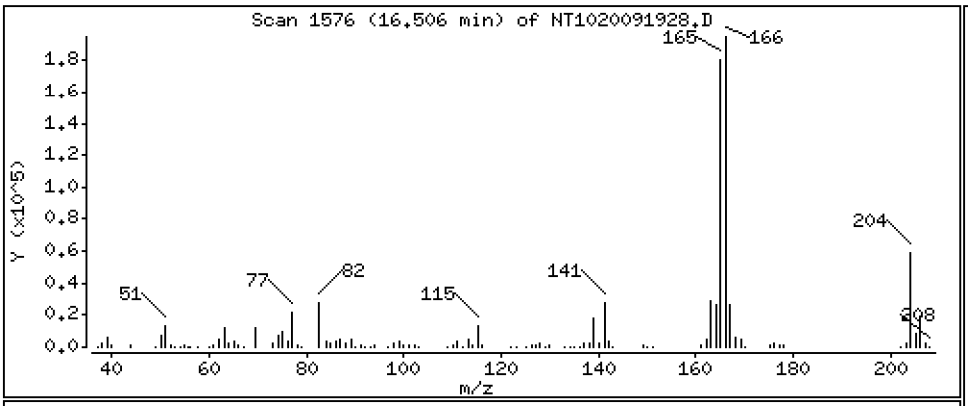
Operator: VTS

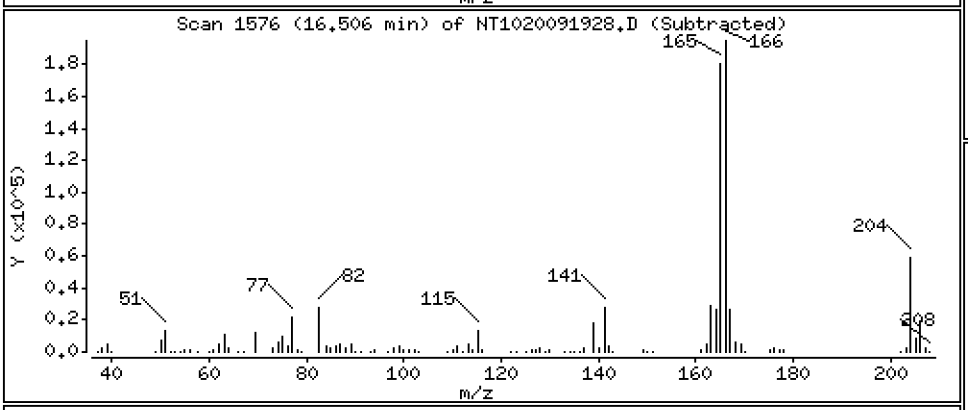
Column phase: ZB-5msi

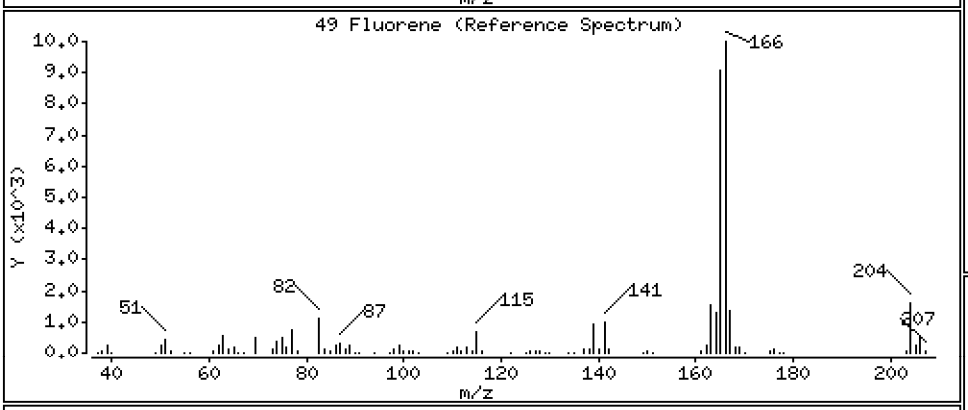
Column diameter: 0.25

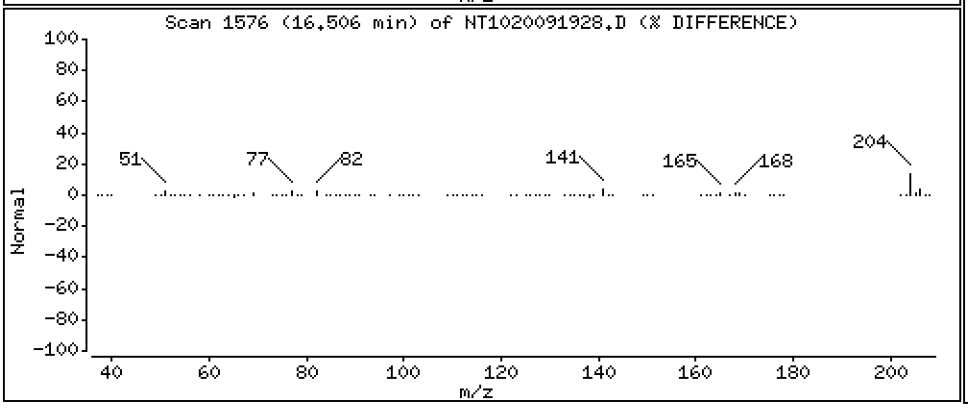
49 Fluorene

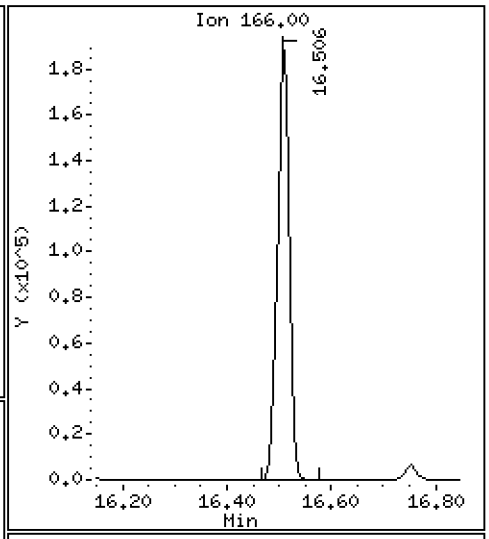
Concentration: 4.873 ug/mL

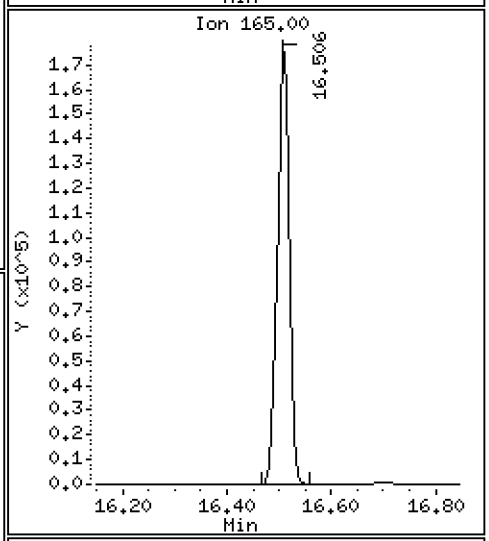


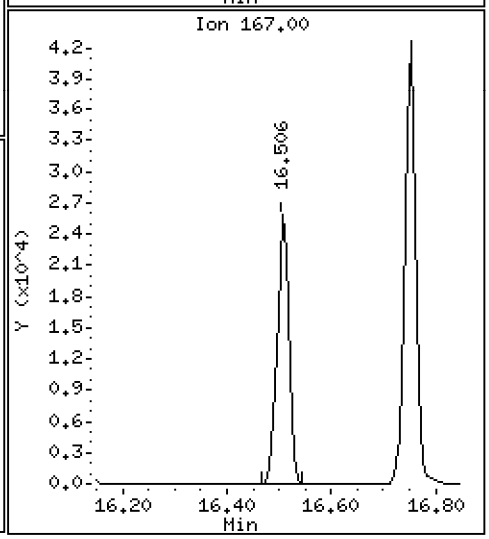












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

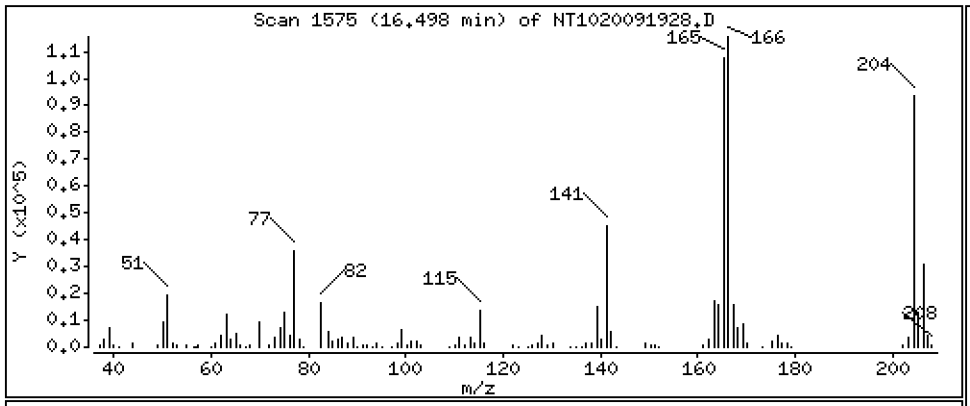
Operator: VTS

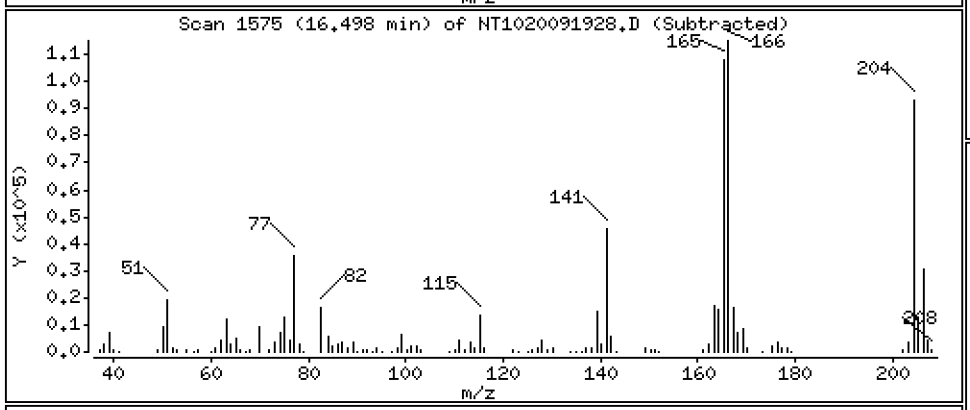
Column phase: ZB-5msi

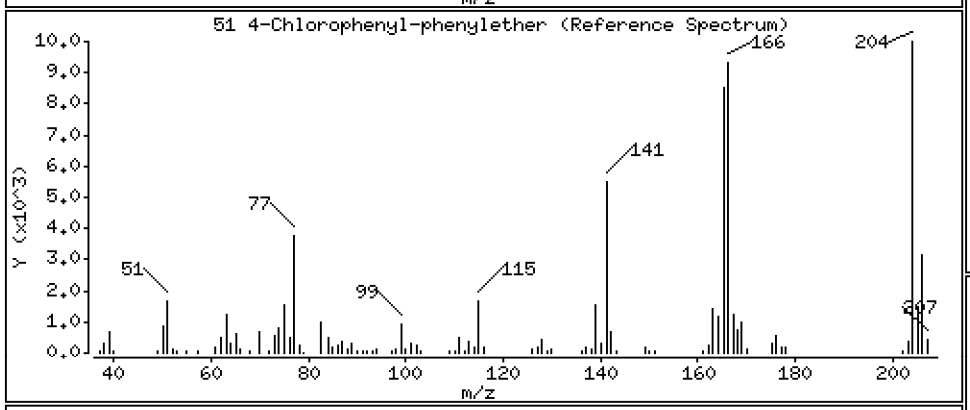
Column diameter: 0.25

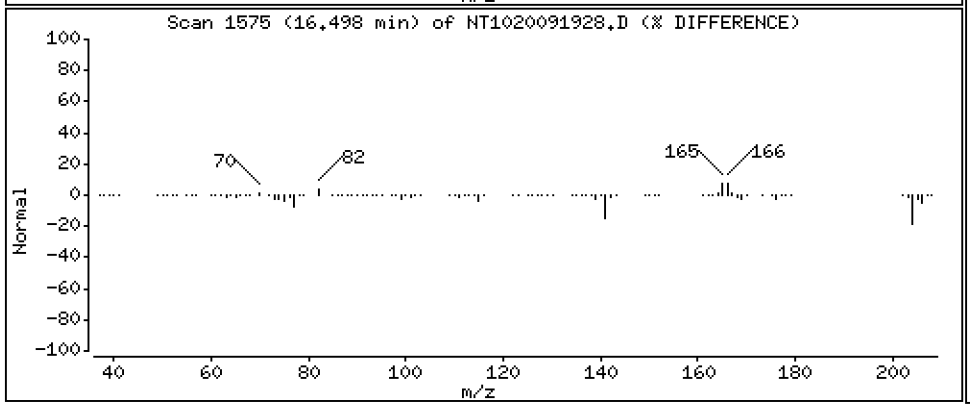
51 4-Chlorophenyl-phenylether

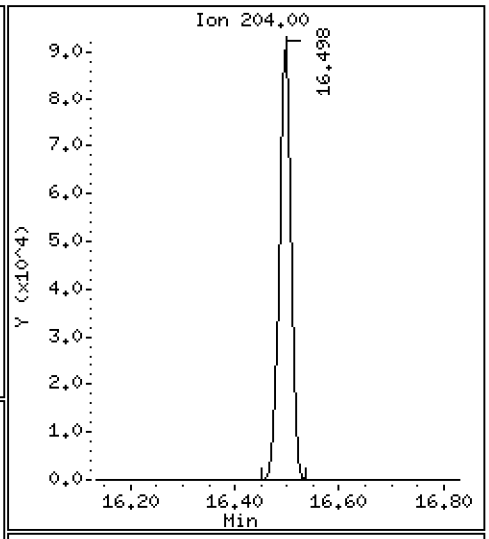
Concentration: 4.905 ug/mL

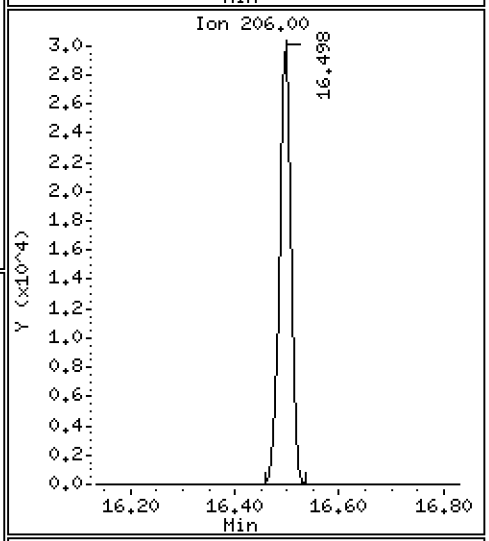


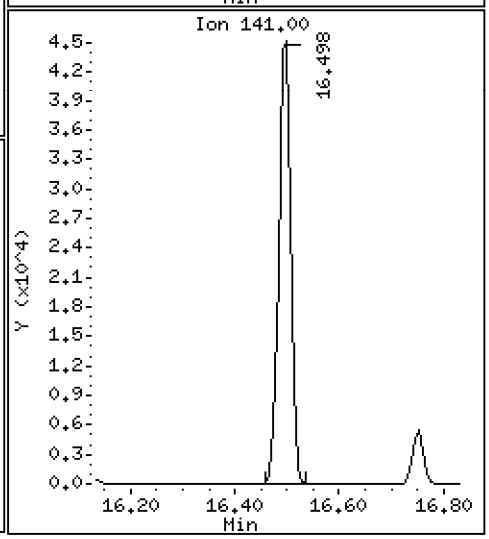












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

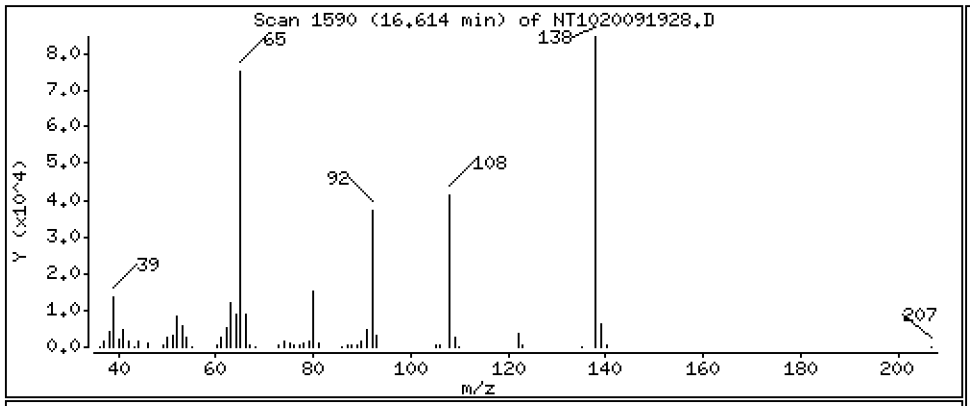
Operator: VTS

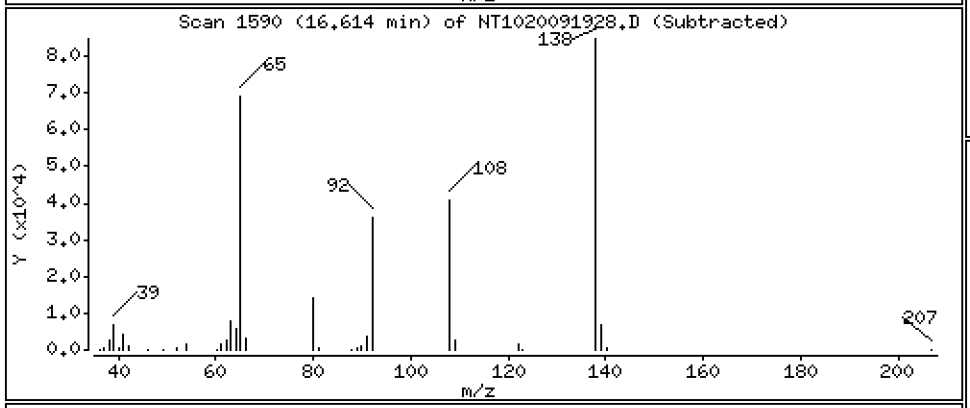
Column phase: ZB-5msi

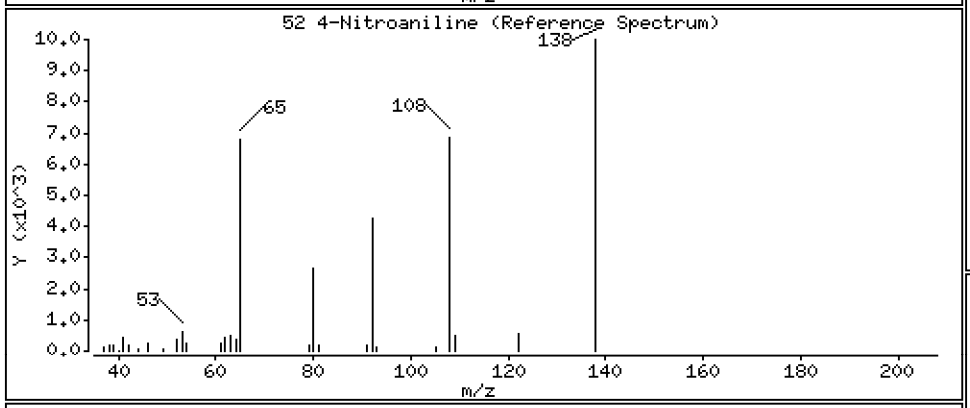
Column diameter: 0.25

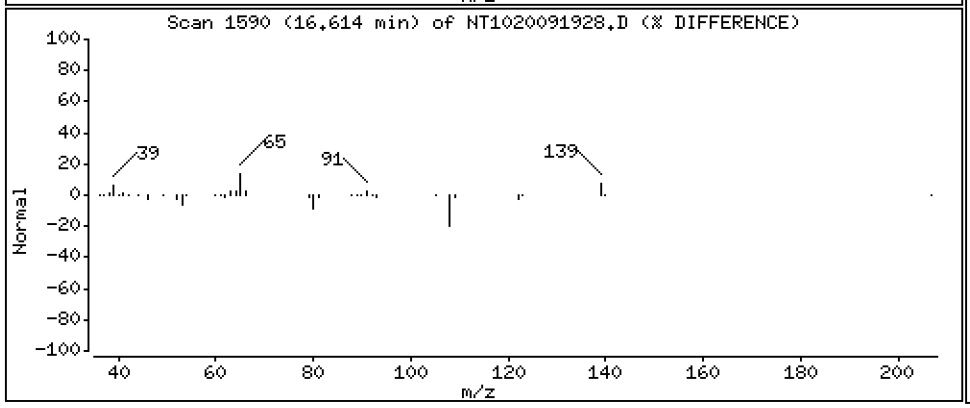
52 4-Nitroaniline

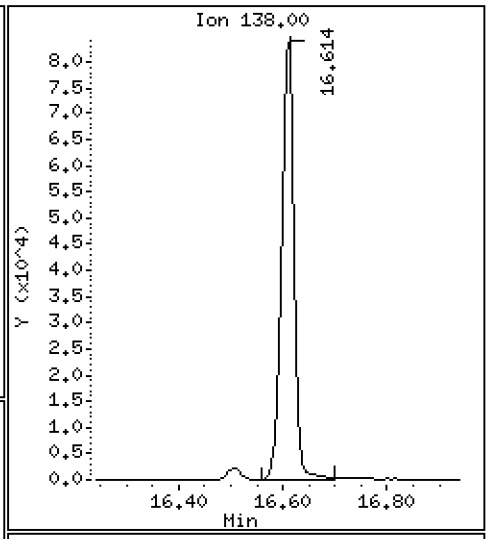
Concentration: 10.48 ug/mL

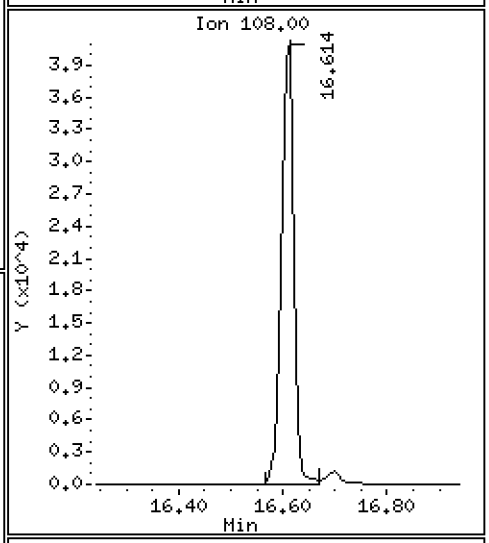


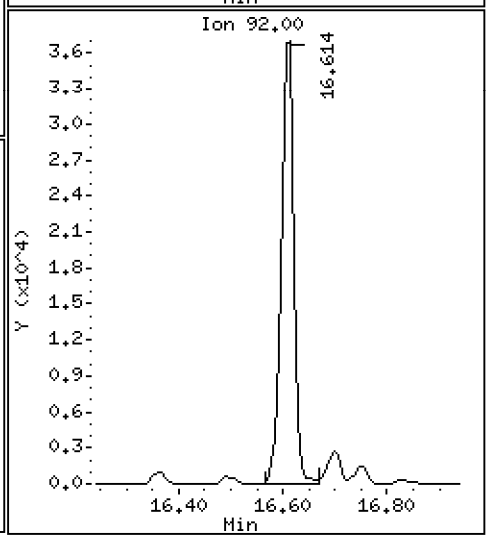












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

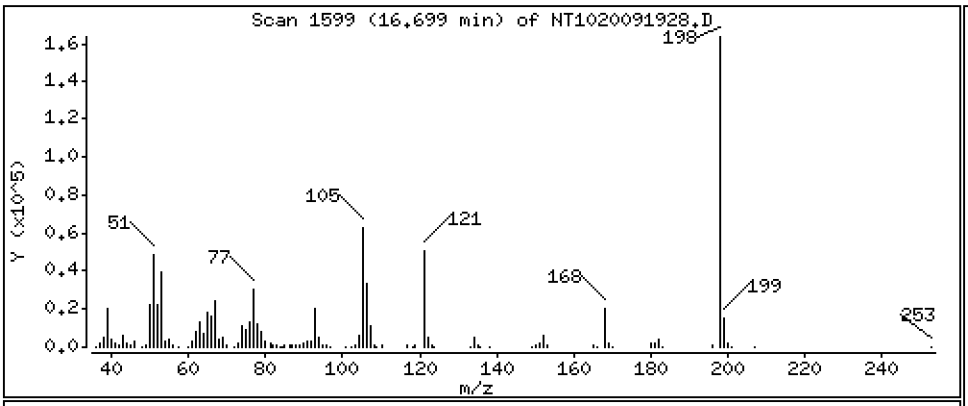
Operator: VTS

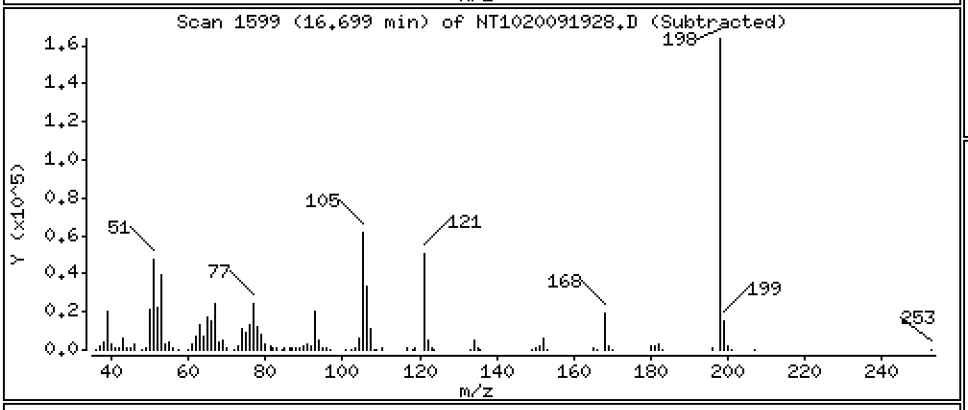
Column phase: ZB-5msi

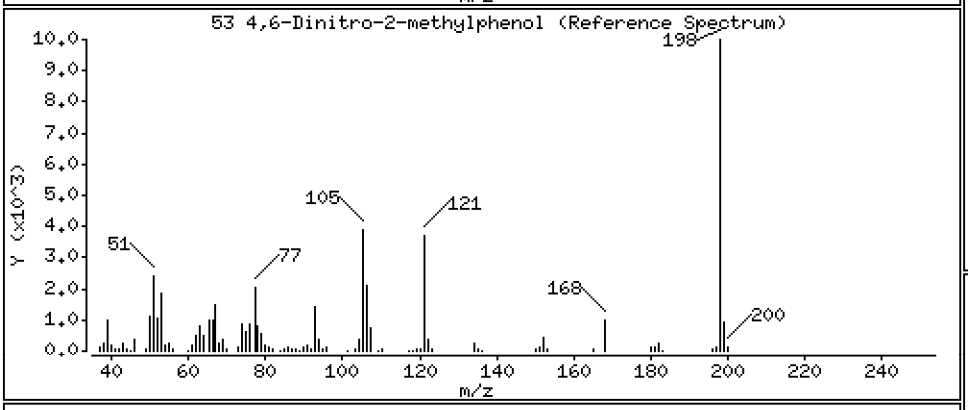
Column diameter: 0.25

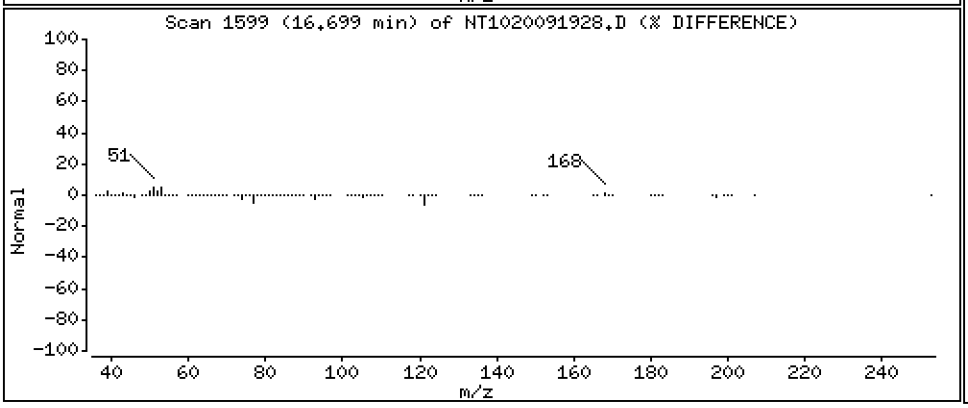
53 4,6-Dinitro-2-methylphenol

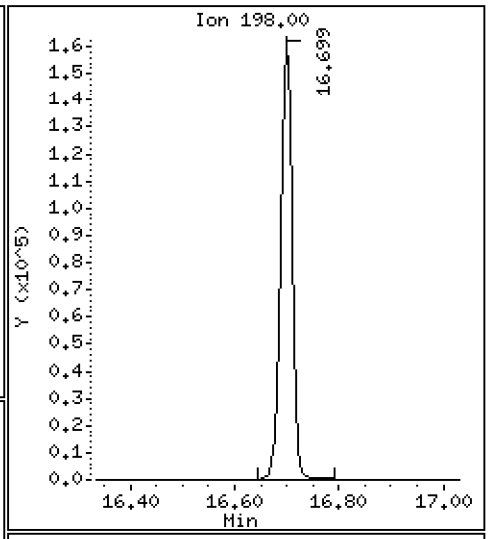
Concentration: 22.49 ug/mL

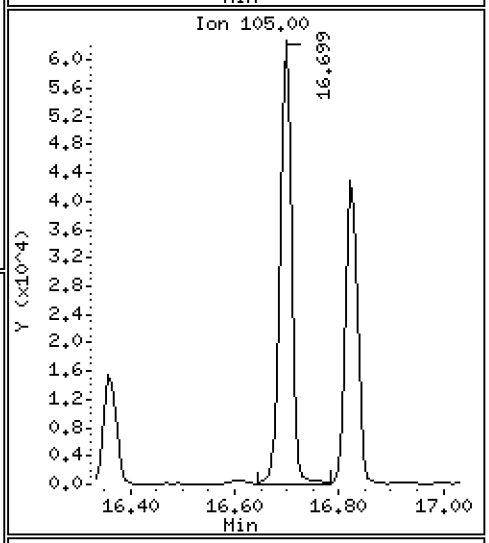


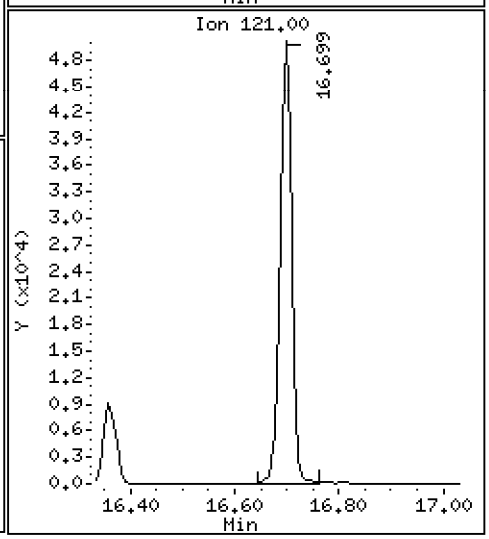












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

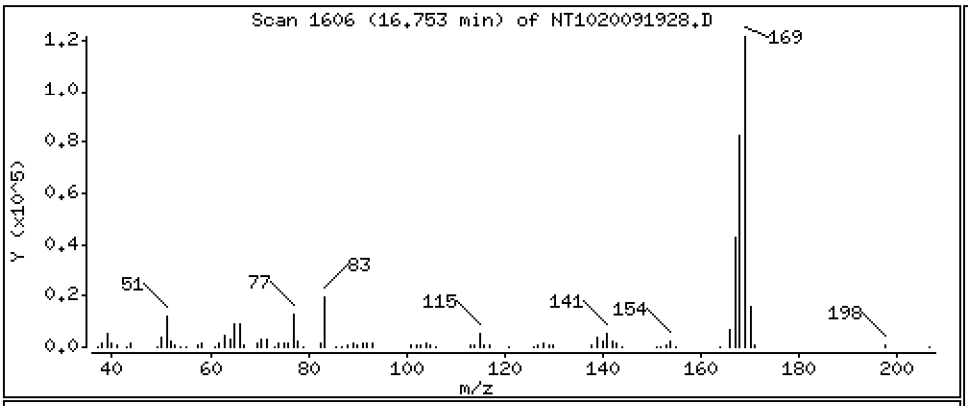
Operator: VTS

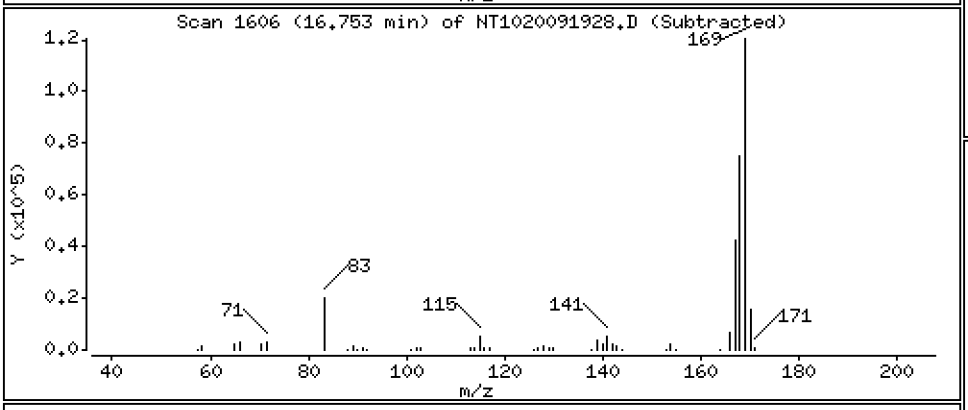
Column phase: ZB-5msi

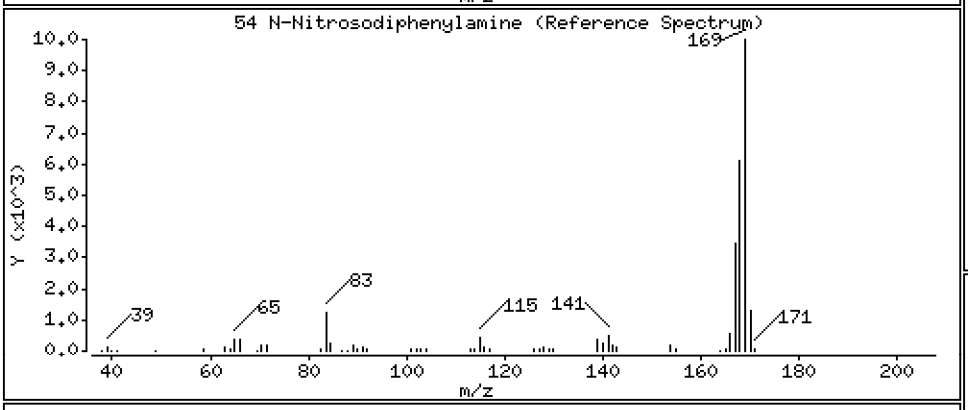
Column diameter: 0.25

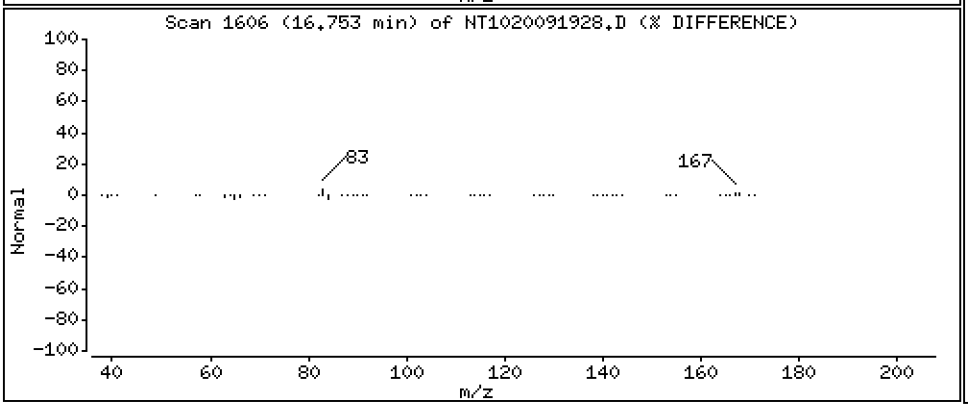
54 N-Nitrosodiphenylamine

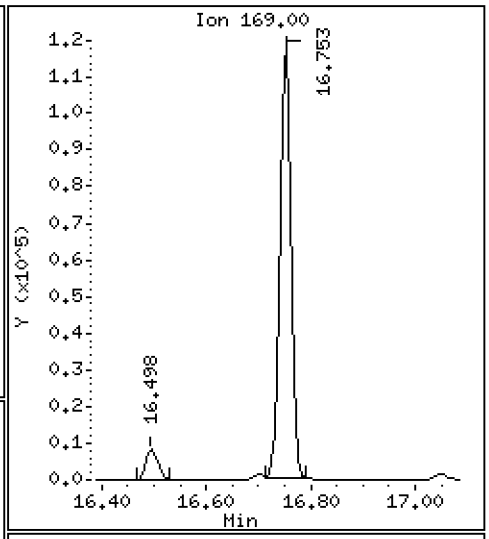
Concentration: 5.075 ug/mL

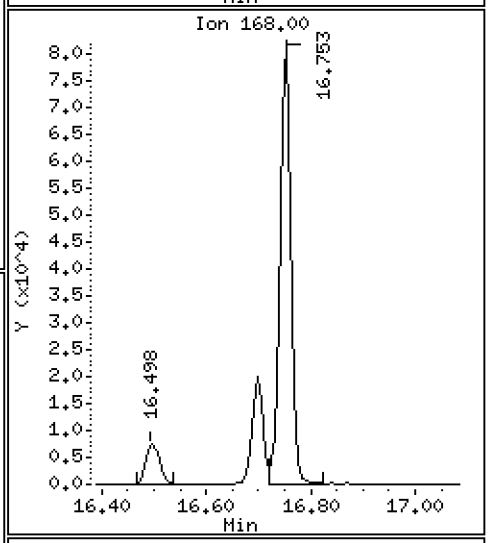


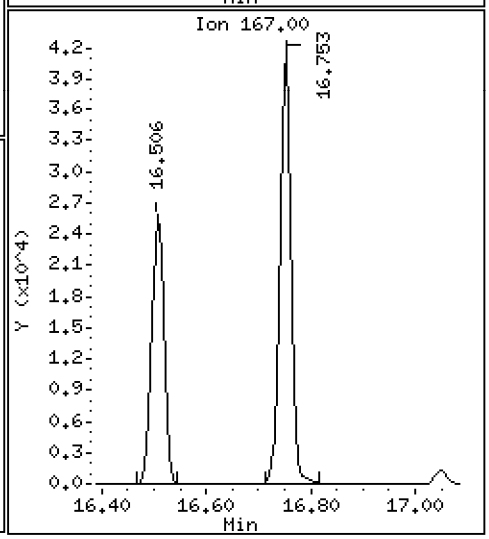












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

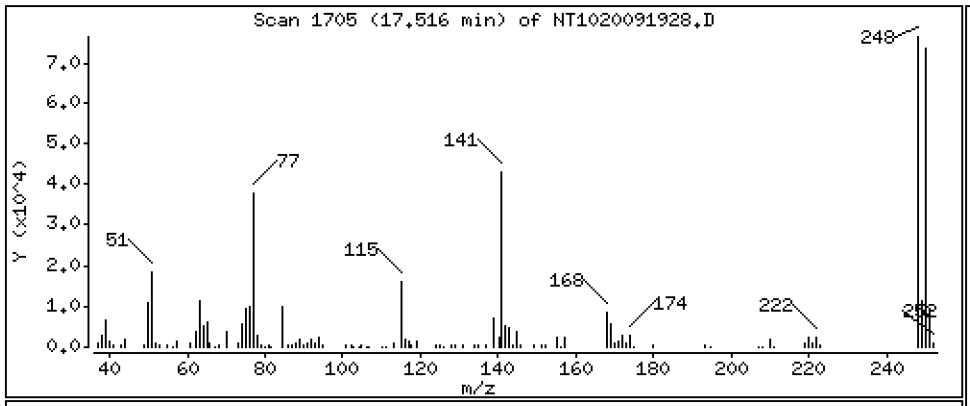
Operator: VTS

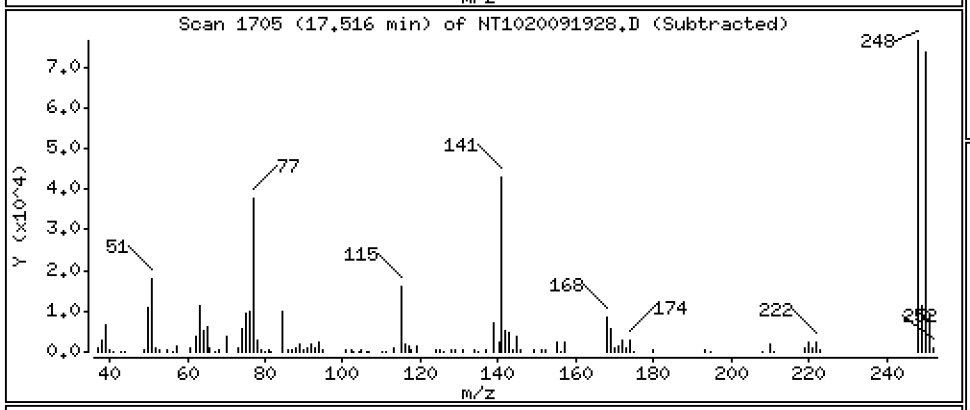
Column phase: ZB-5msi

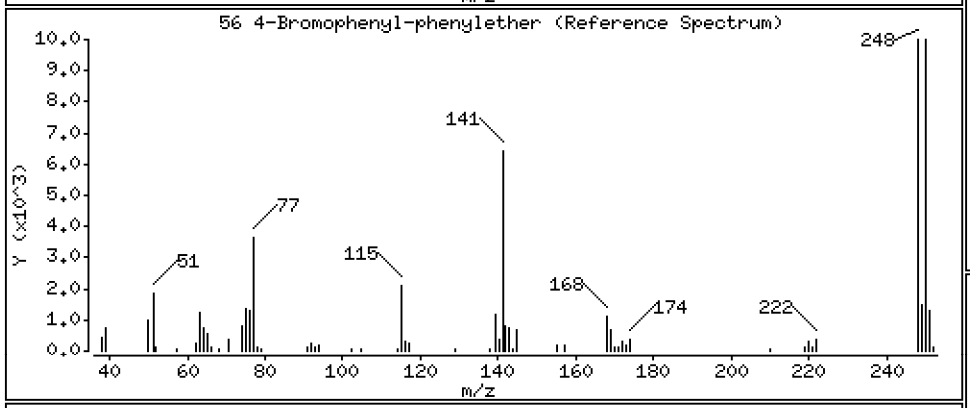
Column diameter: 0.25

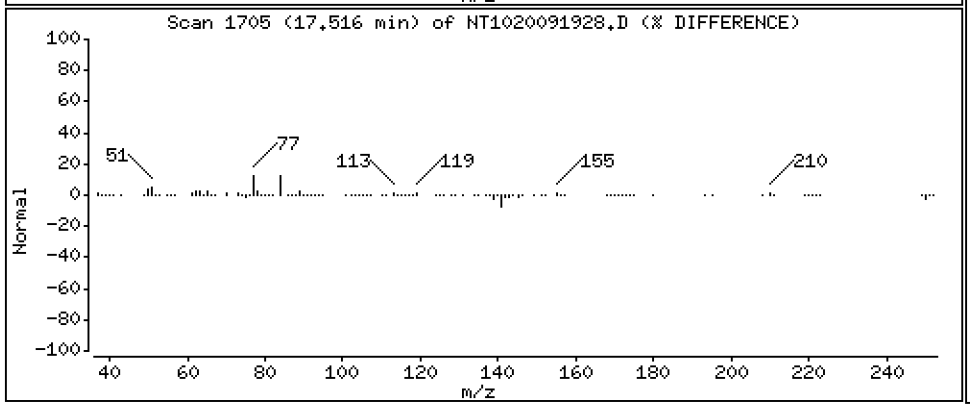
56 4-Bromophenyl-phenylether

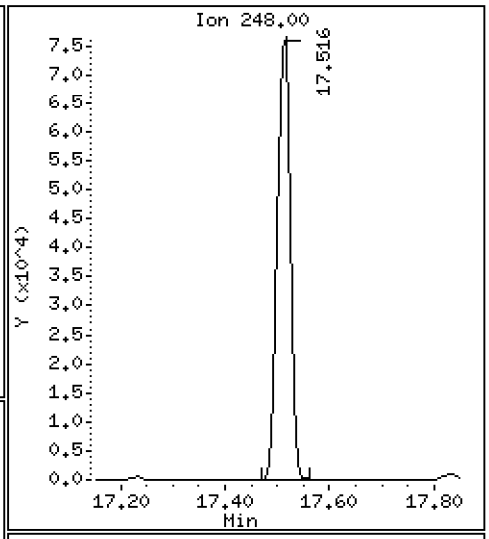
Concentration: 5.265 ug/mL

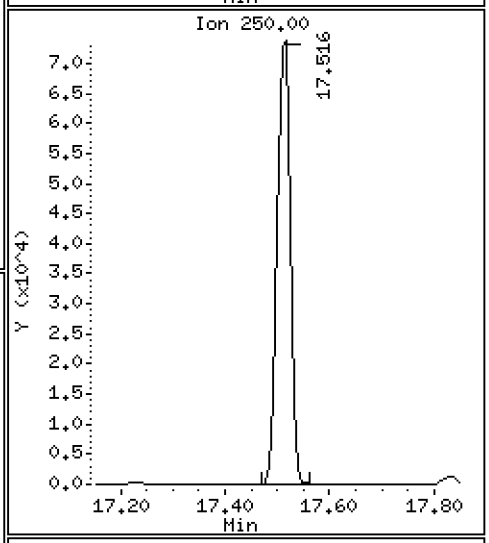


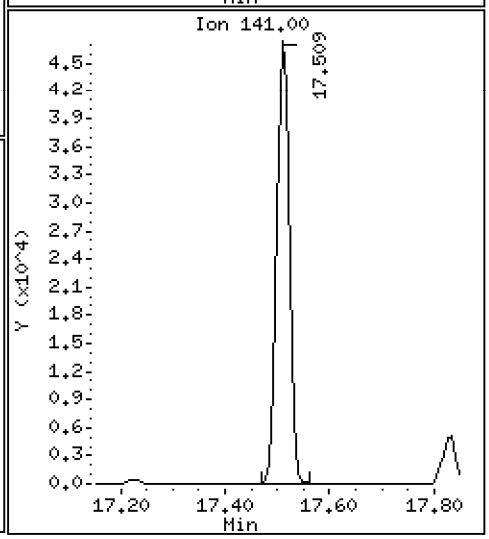












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

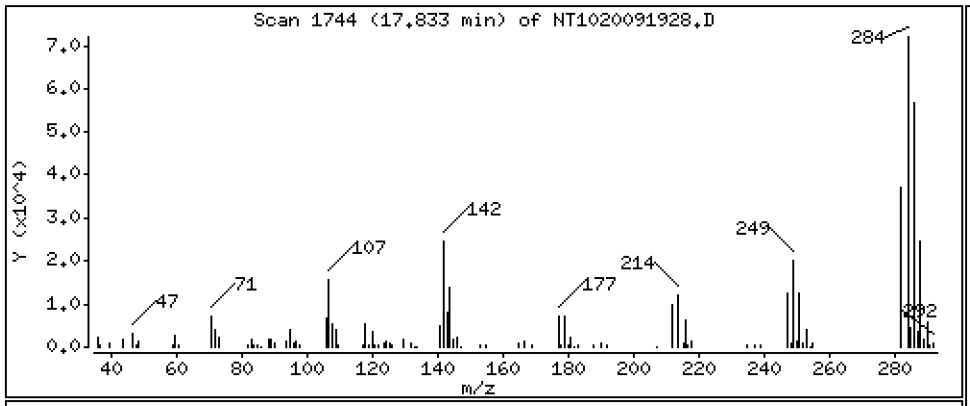
Operator: VTS

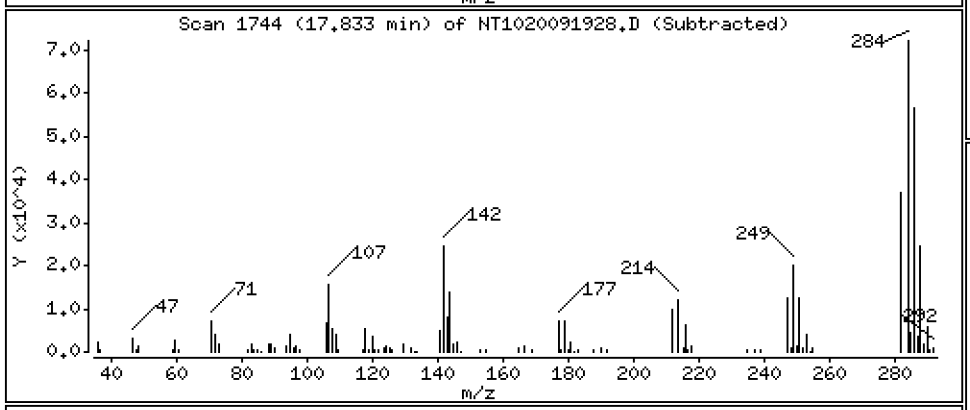
Column phase: ZB-5msi

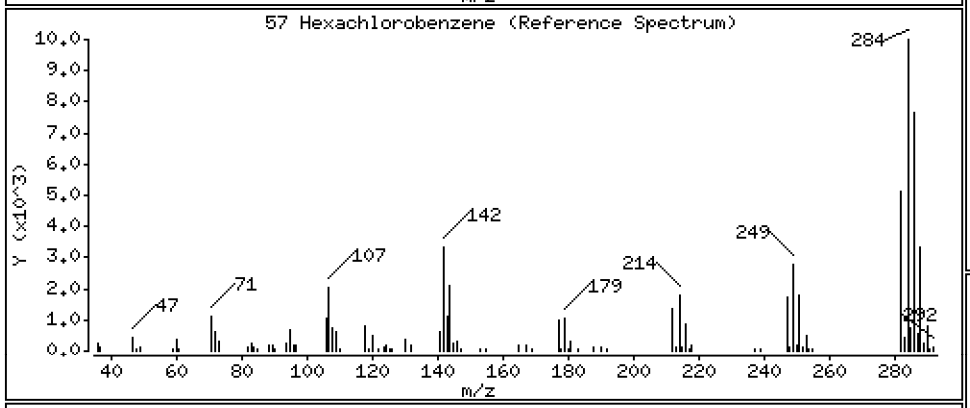
Column diameter: 0.25

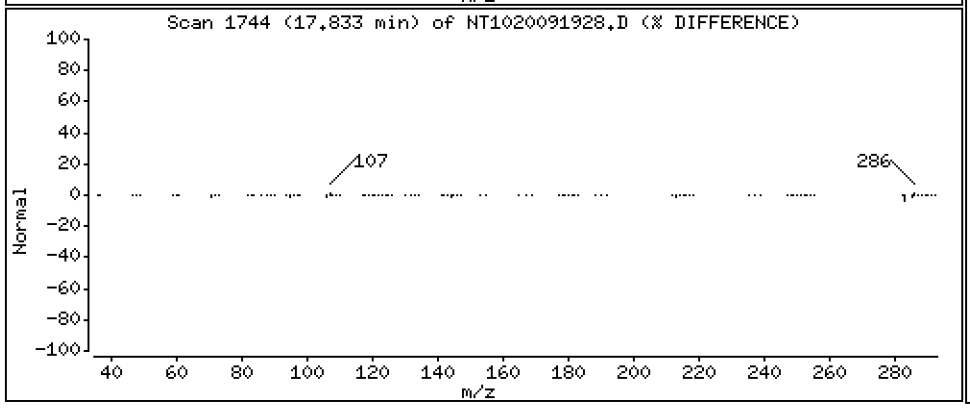
57 Hexachlorobenzene

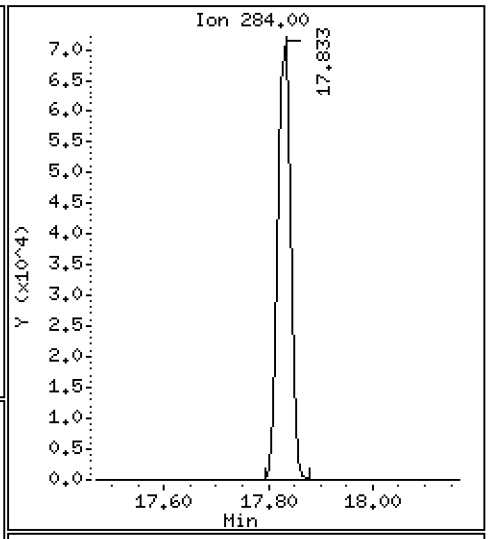
Concentration: 4.899 ug/mL

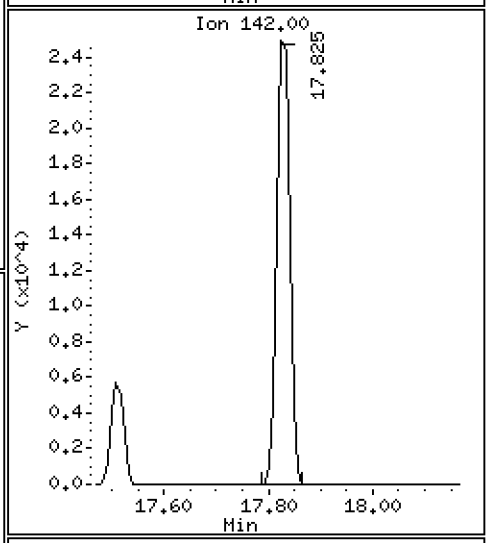


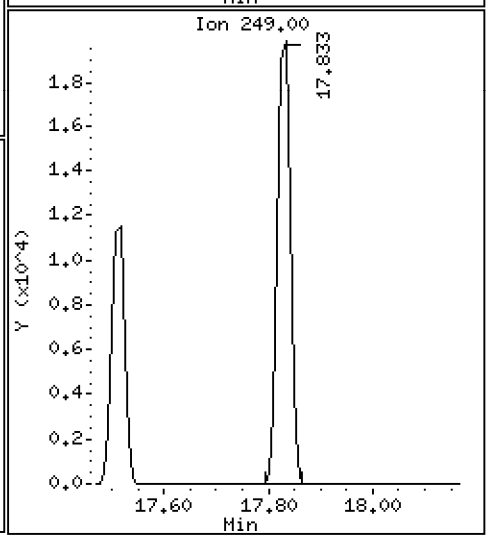












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

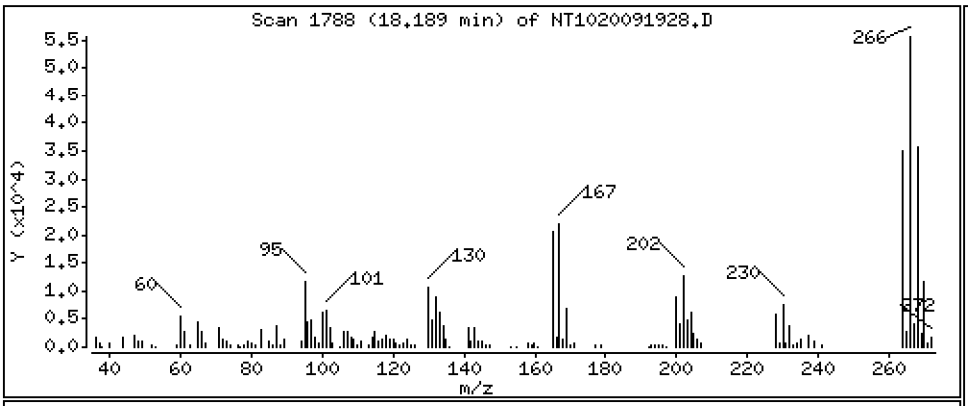
Operator: VTS

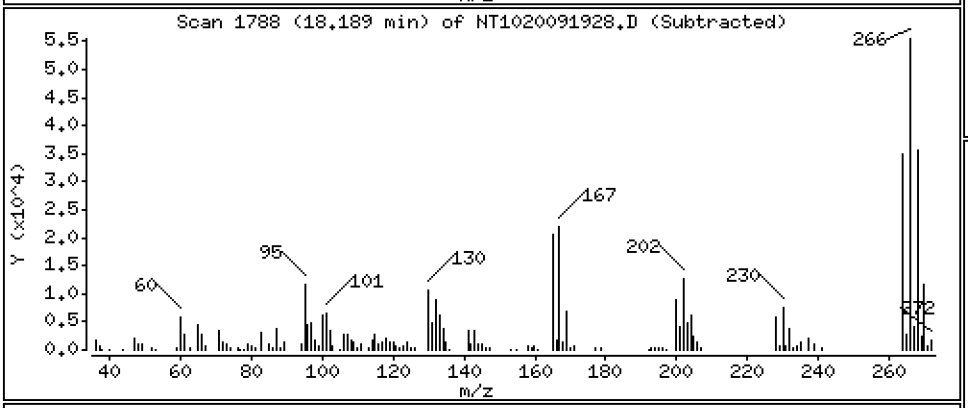
Column phase: ZB-5msi

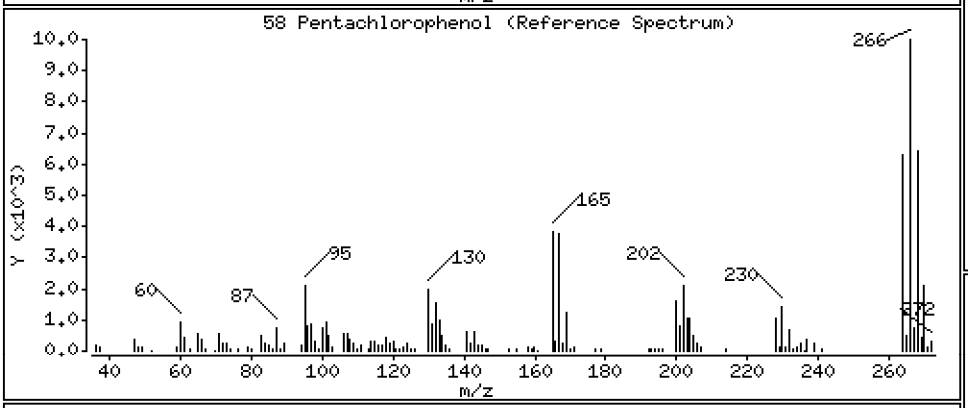
Column diameter: 0.25

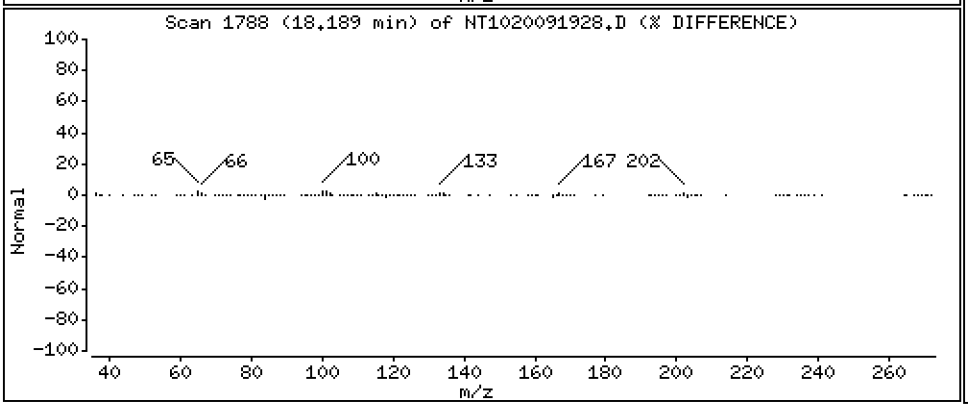
58 Pentachlorophenol

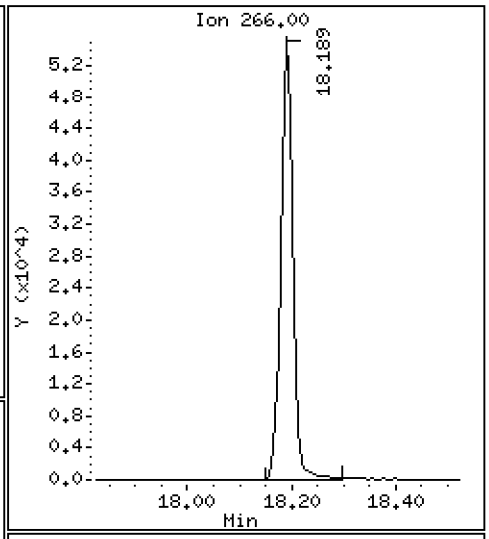
Concentration: 9.287 ug/mL

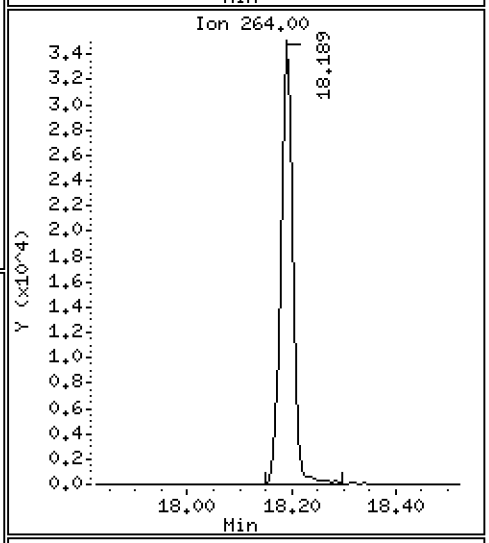


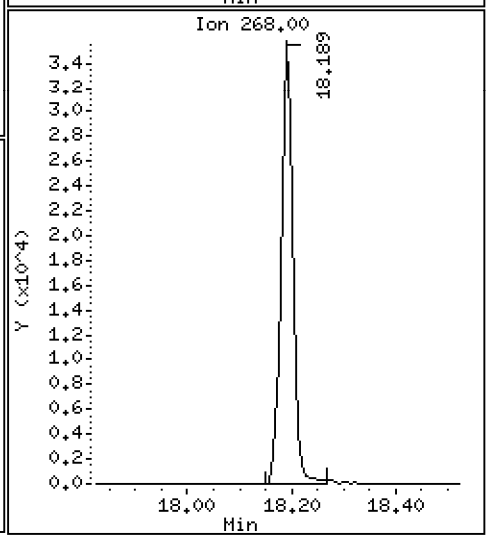












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

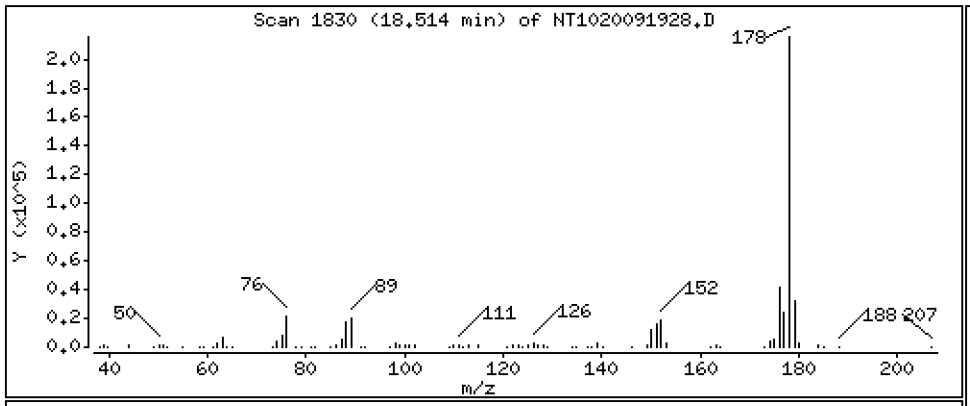
Operator: VTS

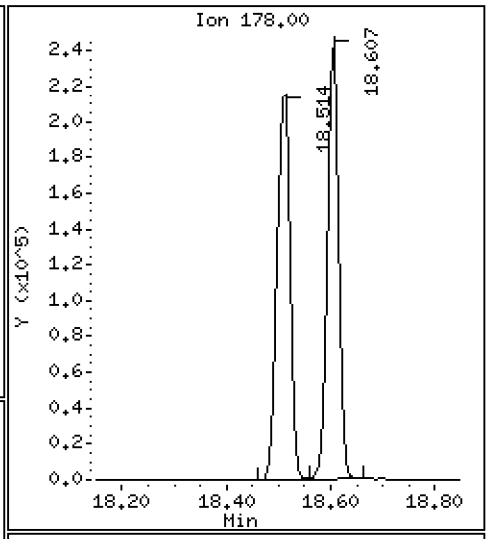
Column phase: ZB-5msi

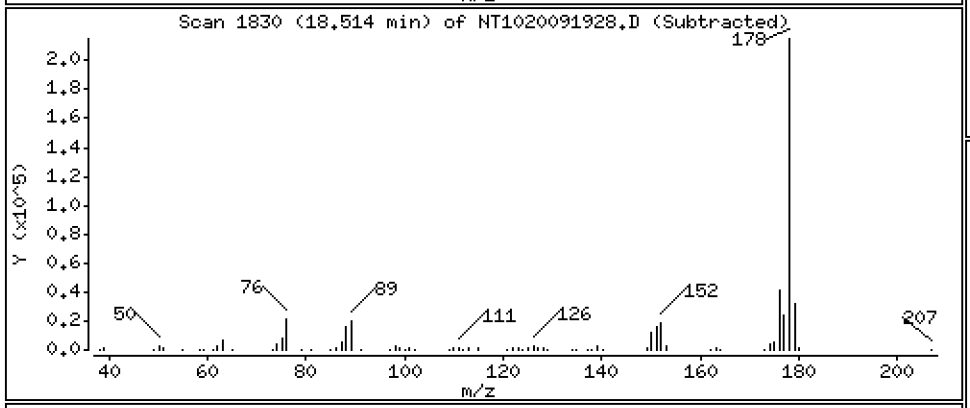
Column diameter: 0.25

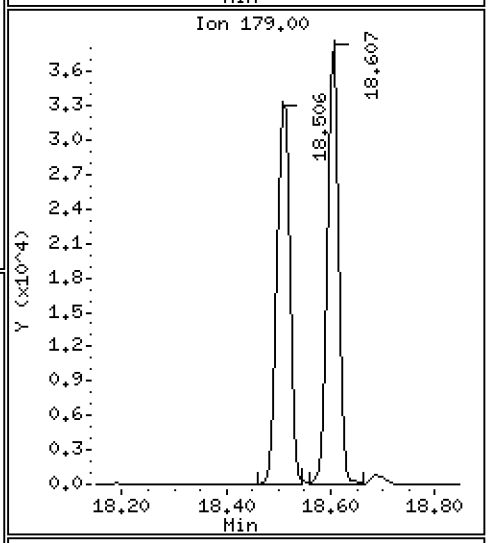
60 Phenanthrene

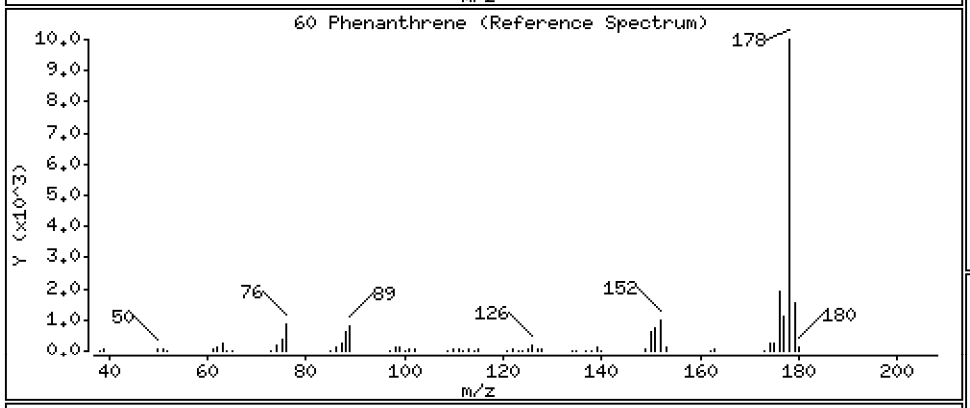
Concentration: 5.003 ug/mL

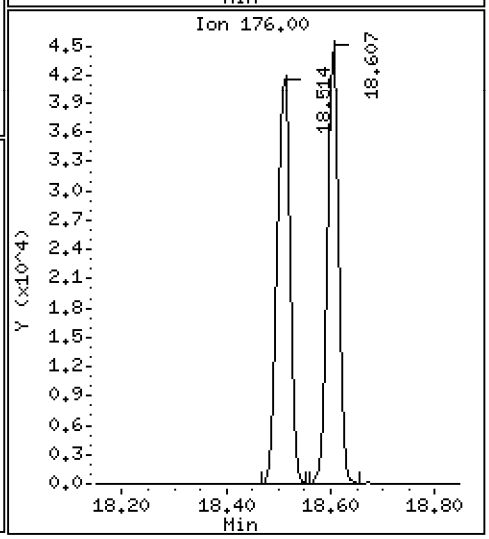


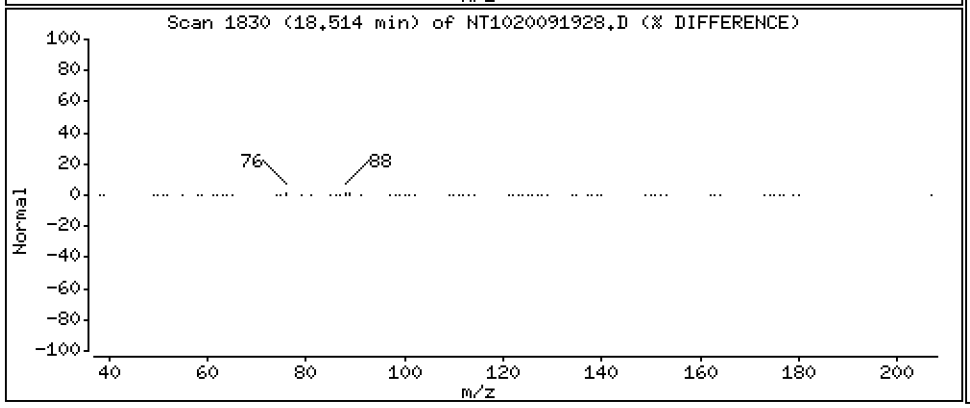












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

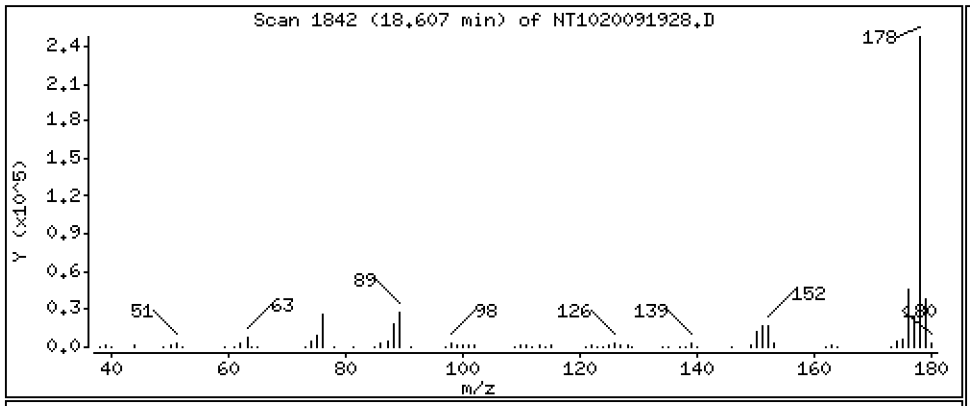
Operator: VTS

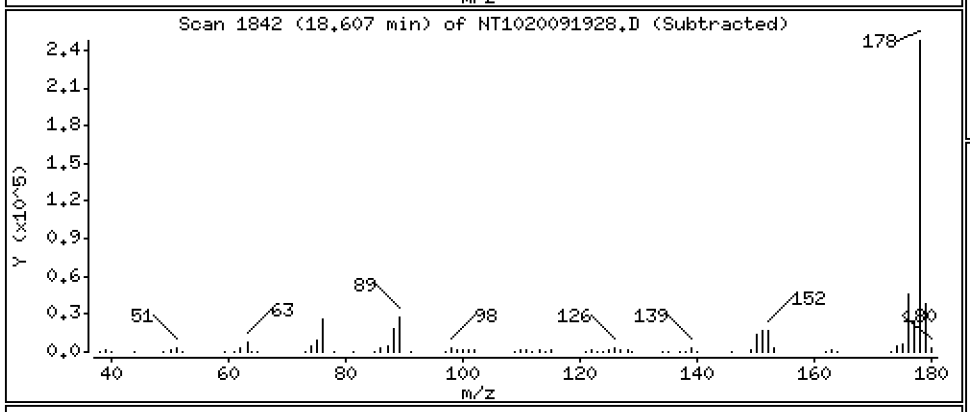
Column phase: ZB-5msi

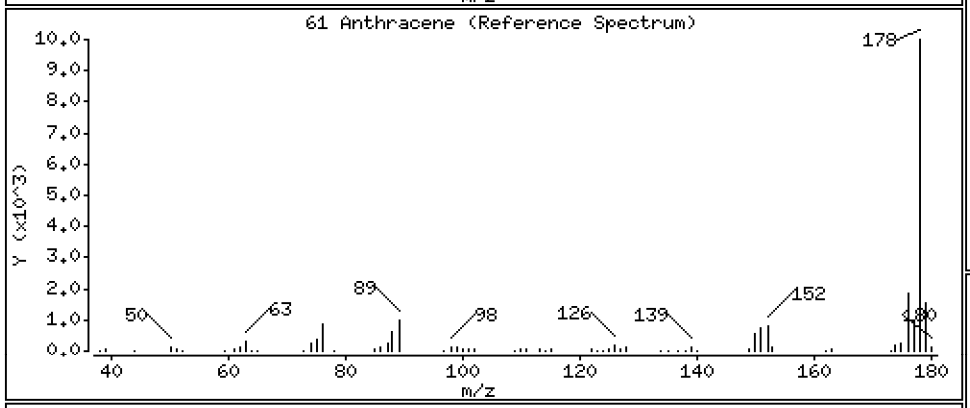
Column diameter: 0.25

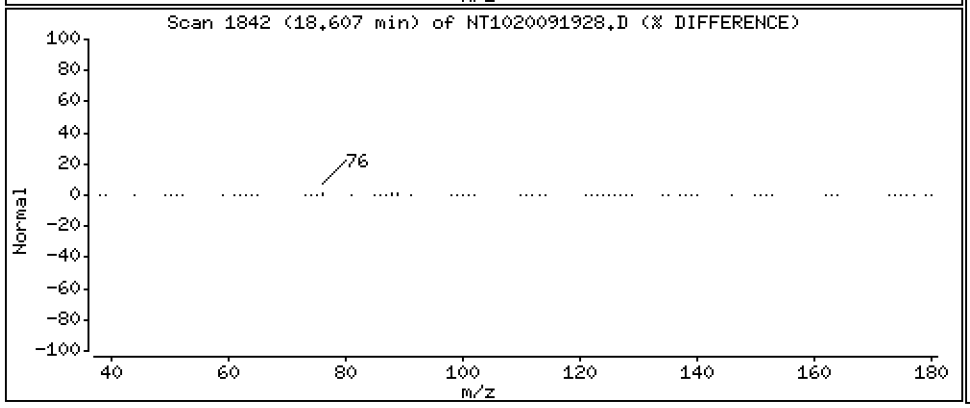
61 Anthracene

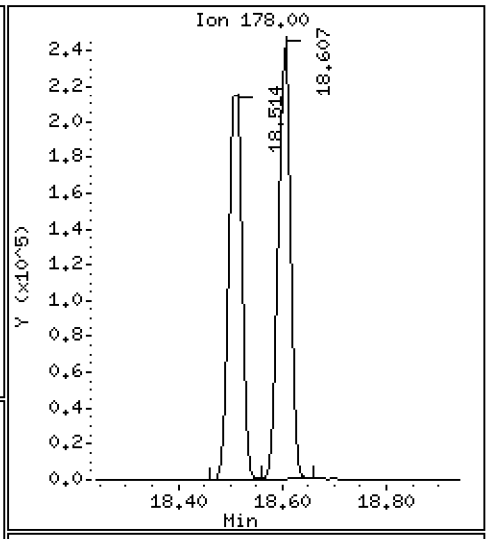
Concentration: 4.973 ug/mL

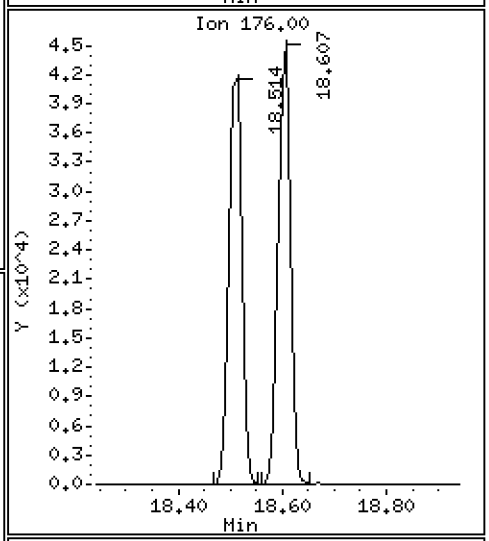


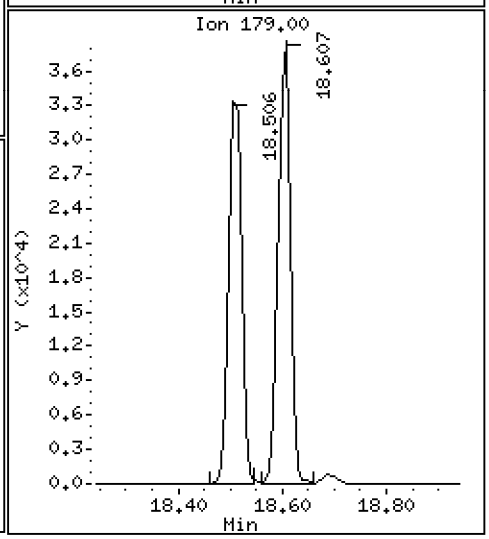












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

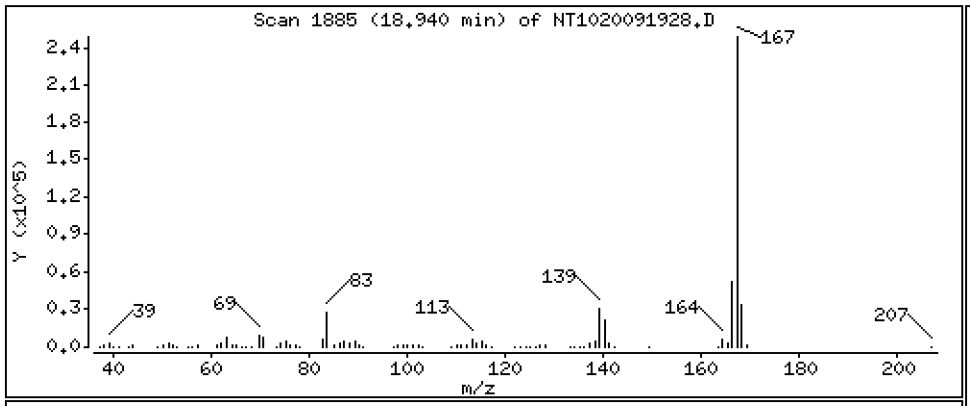
Operator: VTS

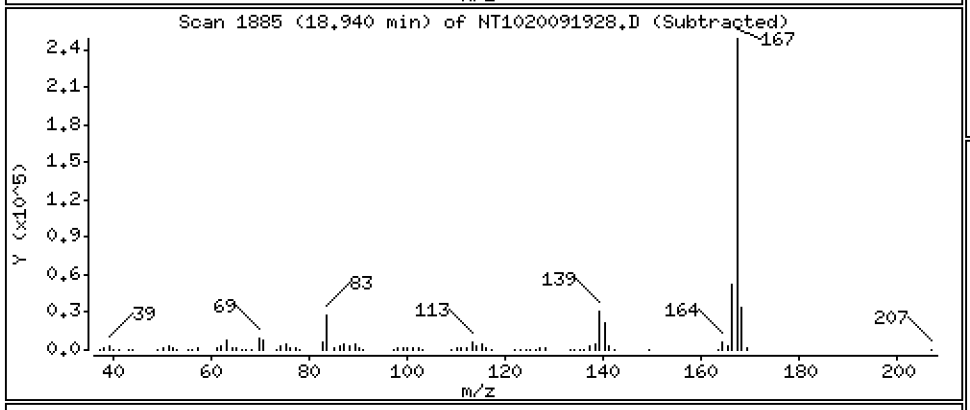
Column phase: ZB-5msi

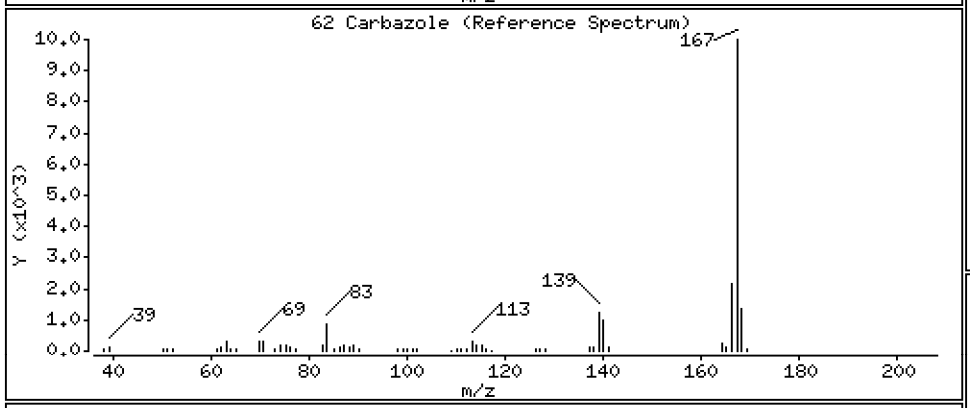
Column diameter: 0.25

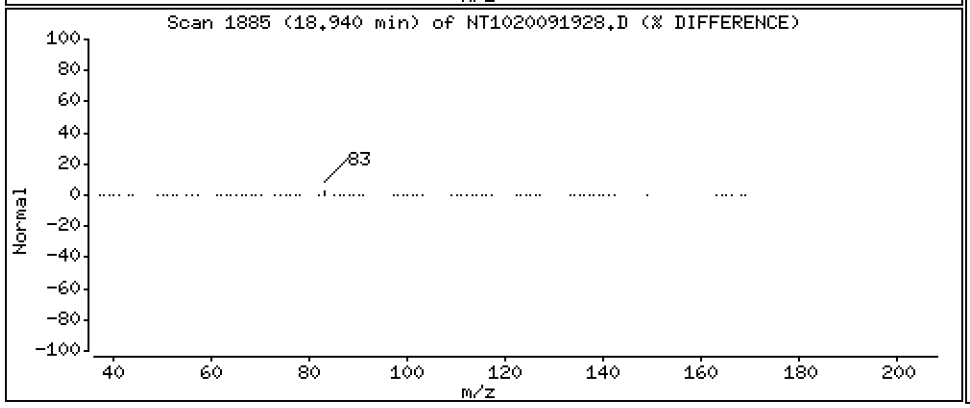
62 Carbazole

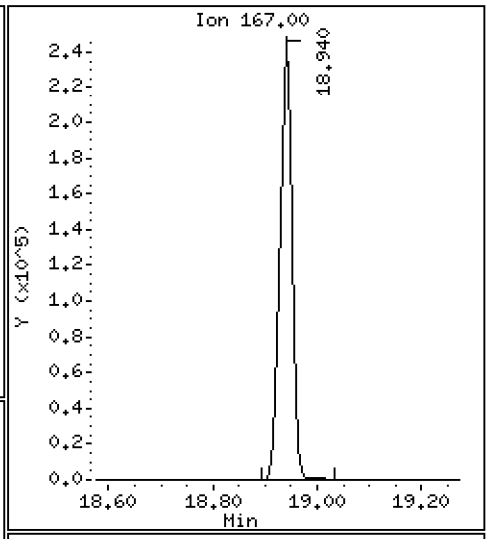
Concentration: 4.960 ug/mL

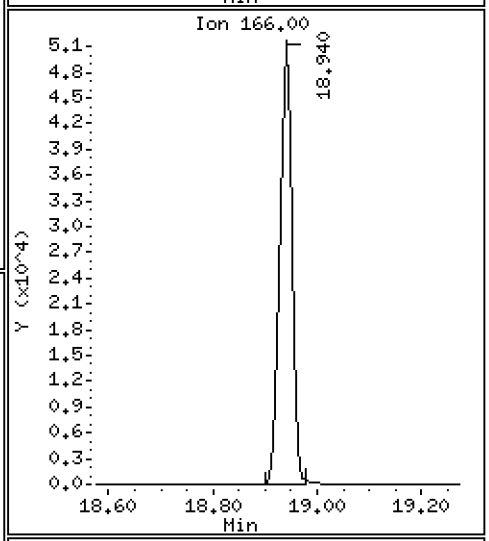


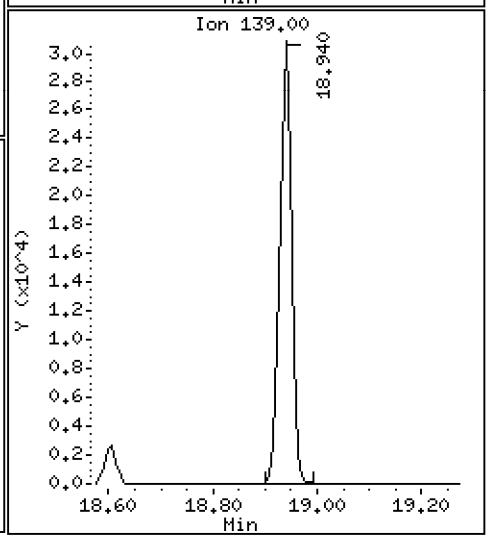












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

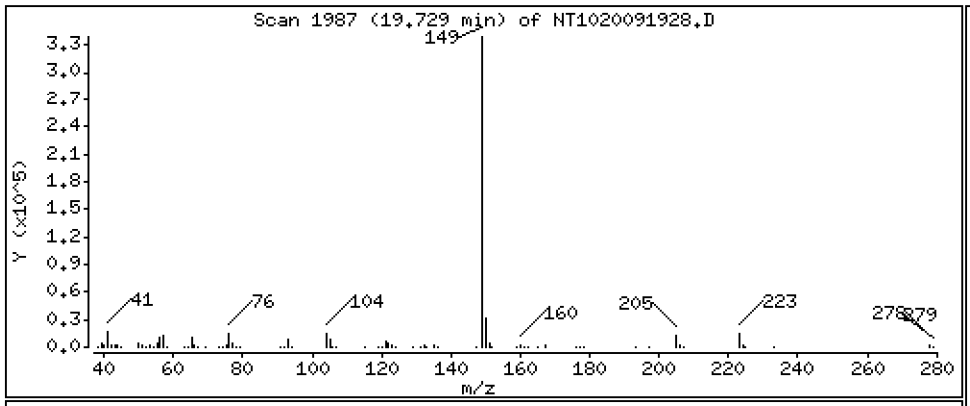
Operator: VTS

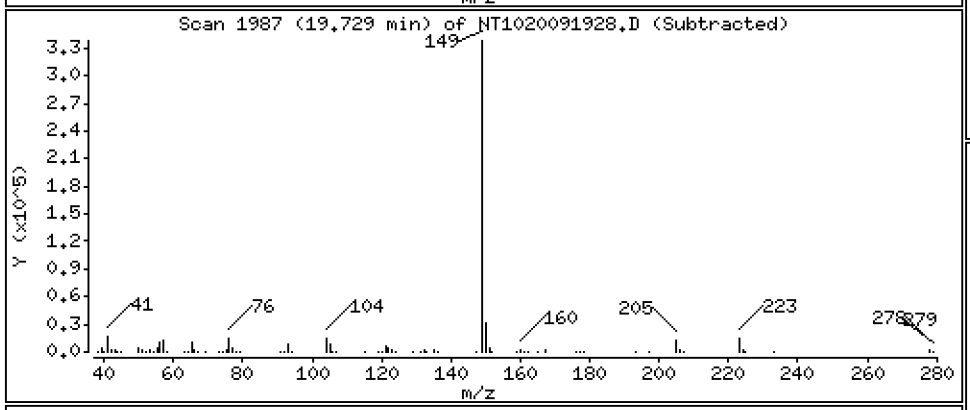
Column phase: ZB-5msi

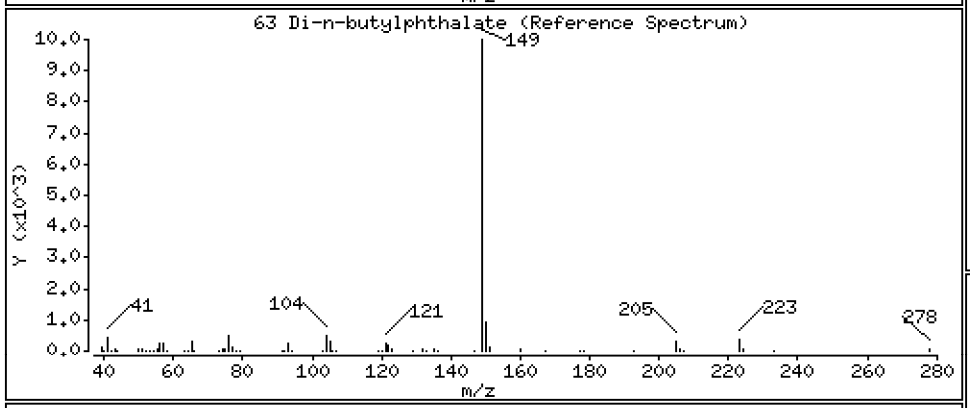
Column diameter: 0.25

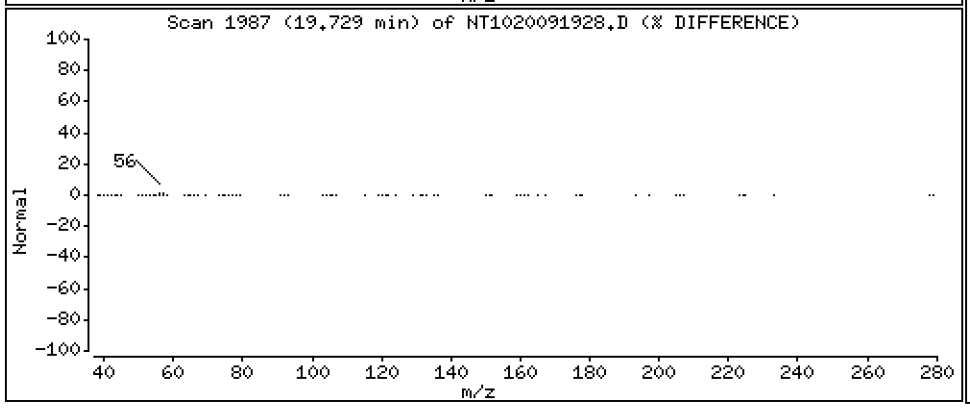
63 Di-n-butylphthalate

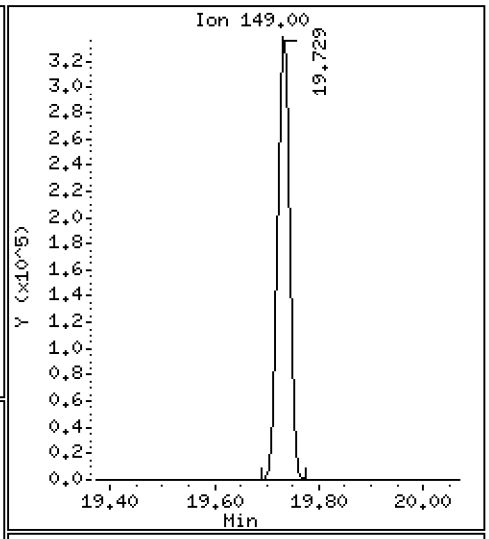
Concentration: 5.174 ug/mL

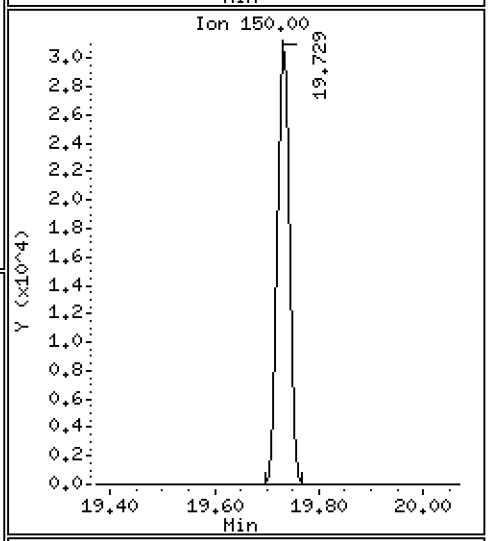


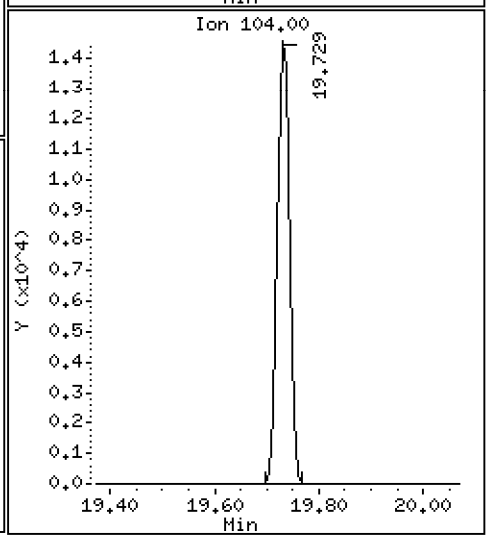












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

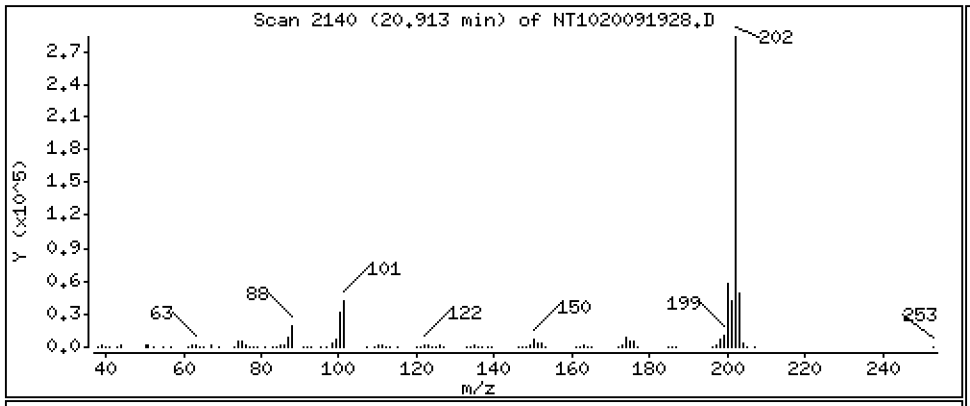
Operator: VTS

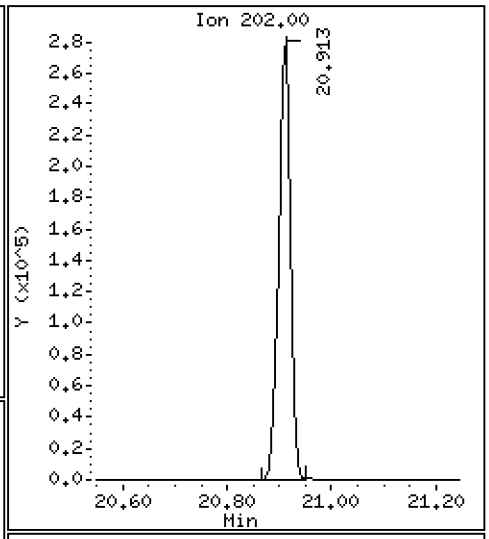
Column phase: ZB-5msi

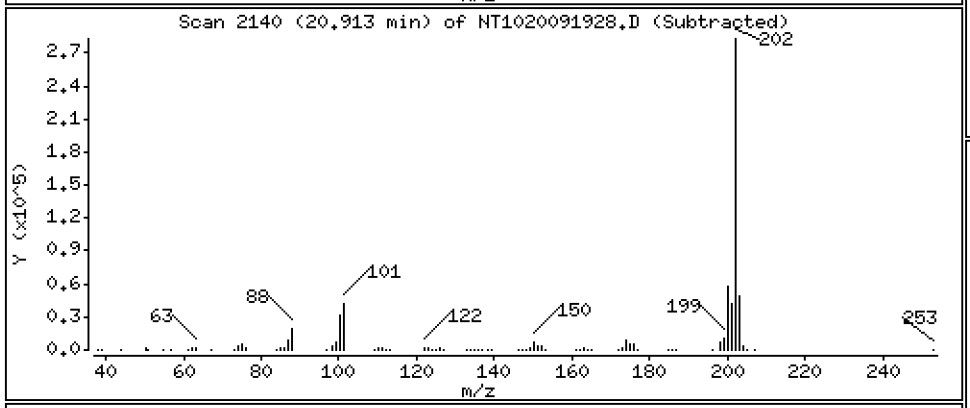
Column diameter: 0.25

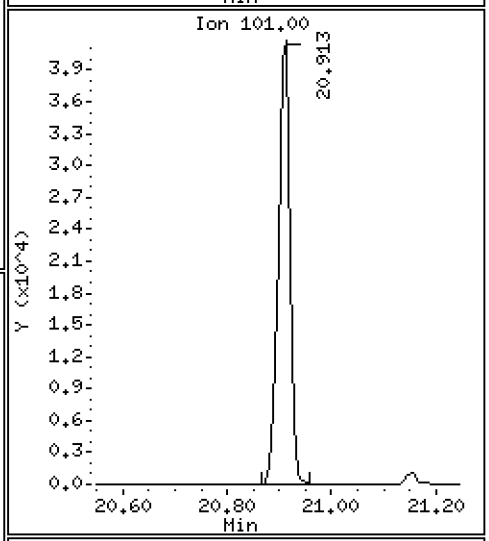
64 Fluoranthene

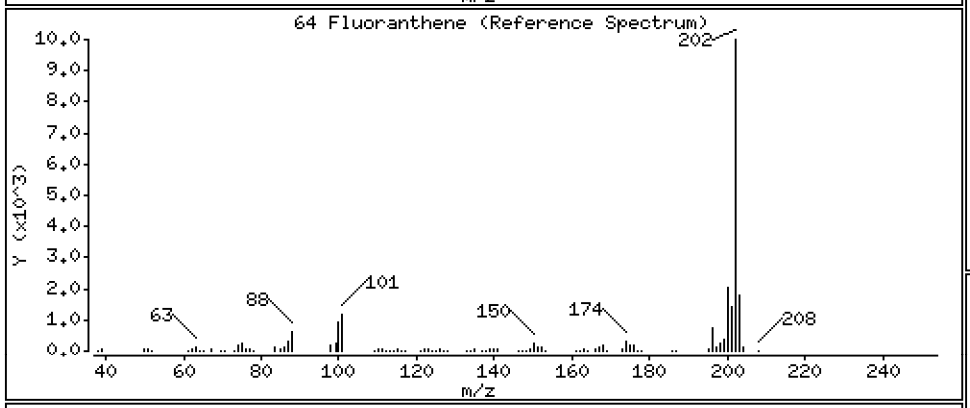
Concentration: 5.552 ug/mL

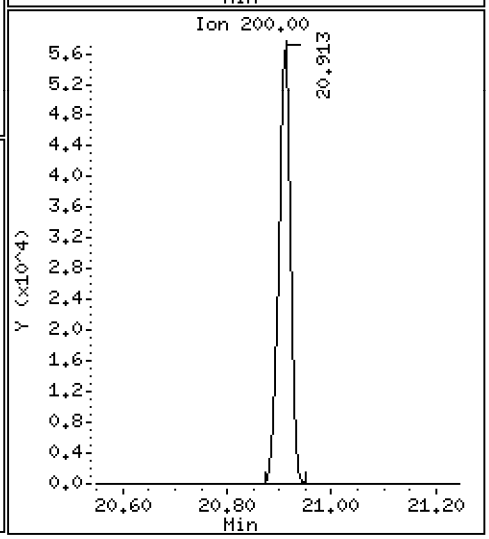


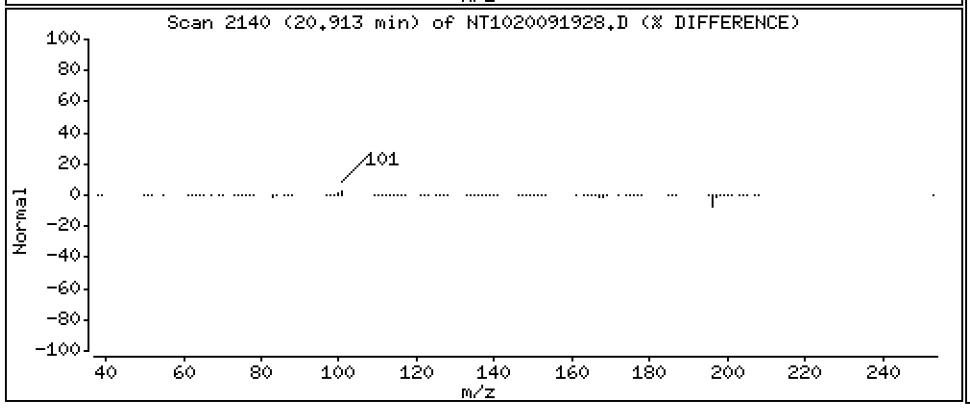












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

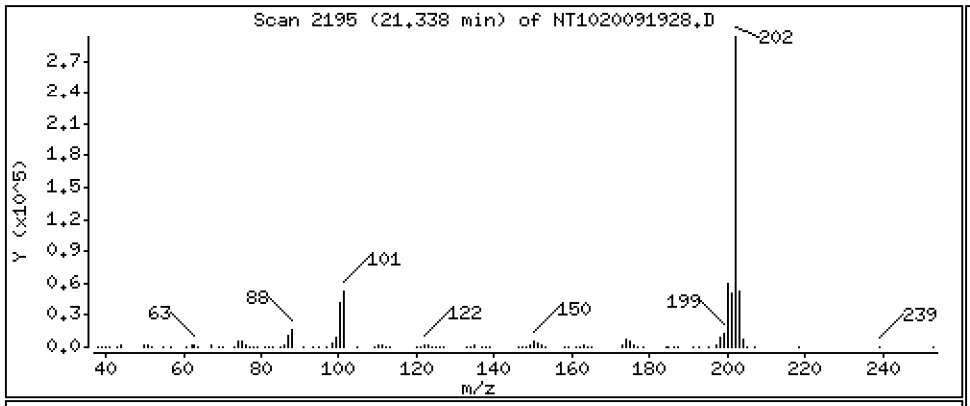
Operator: VTS

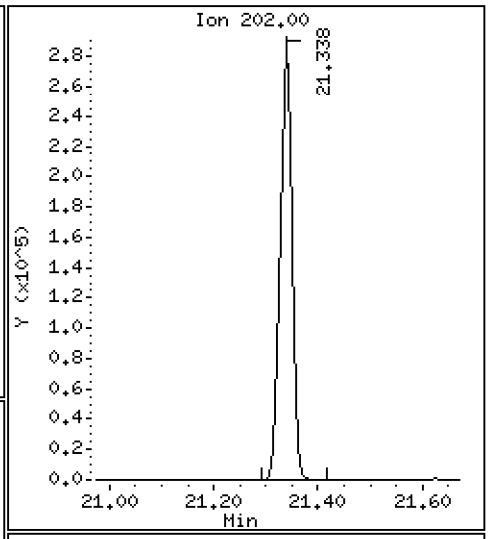
Column phase: ZB-5msi

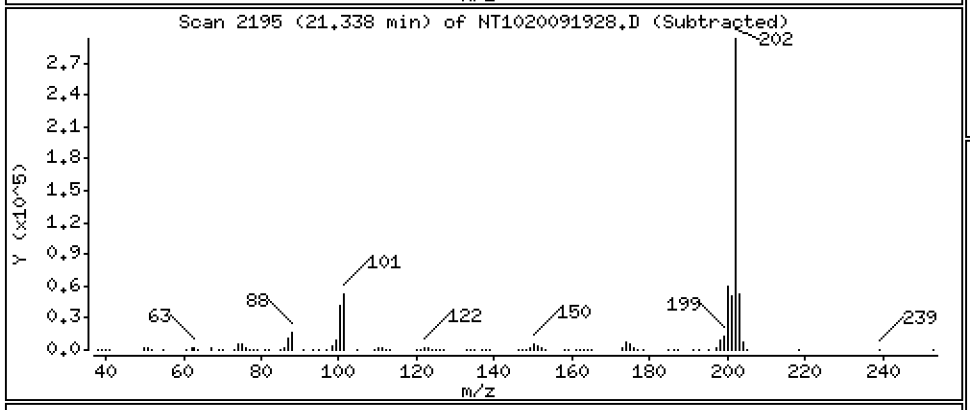
Column diameter: 0.25

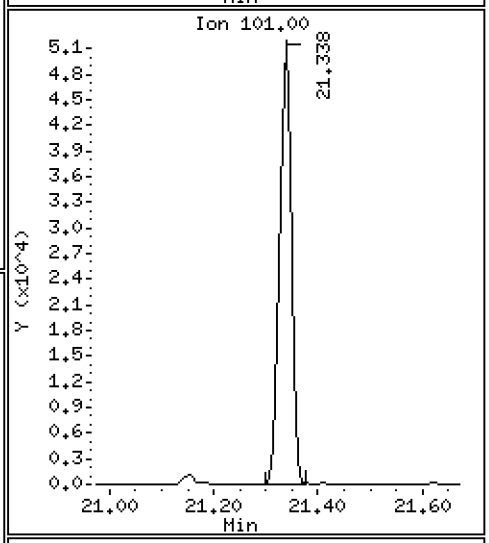
65 Pyrene

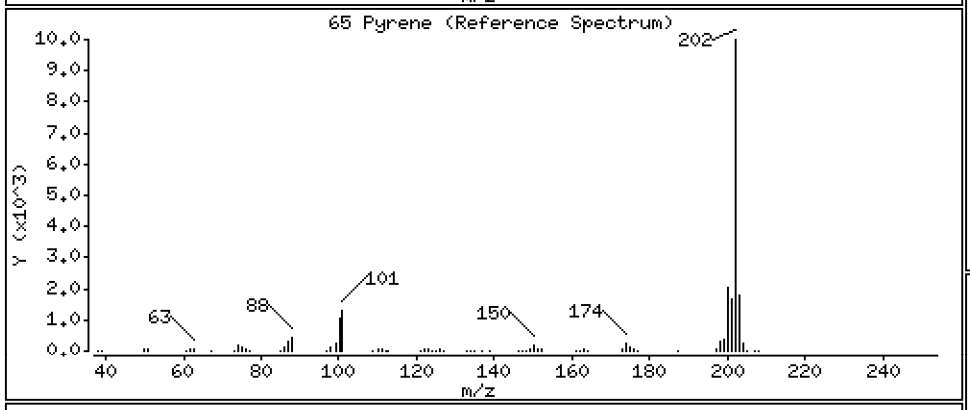
Concentration: 5.500 ug/mL

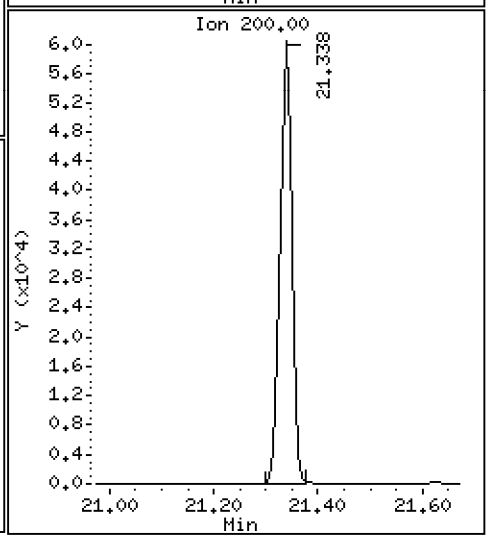


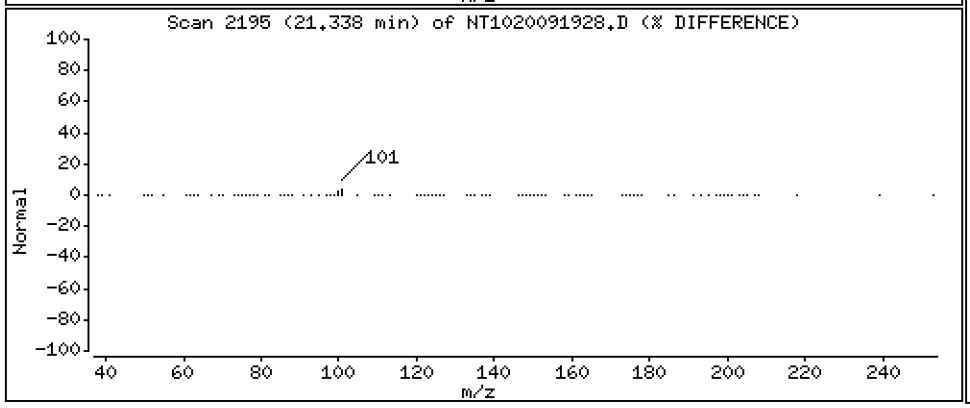












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

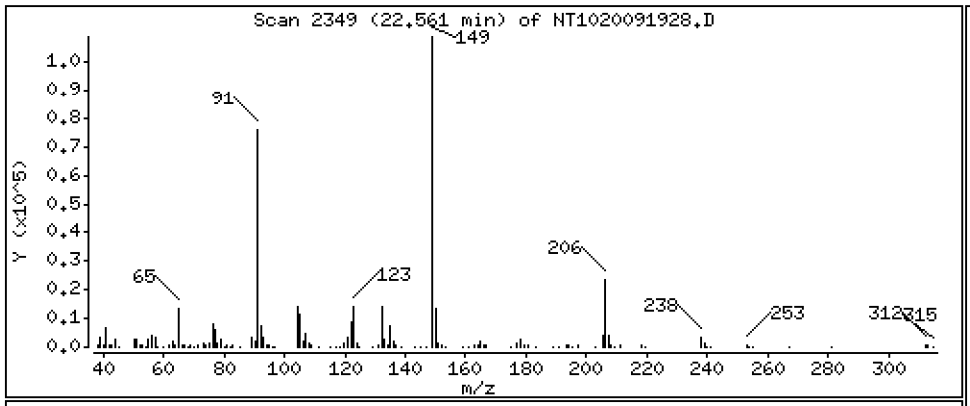
Operator: VTS

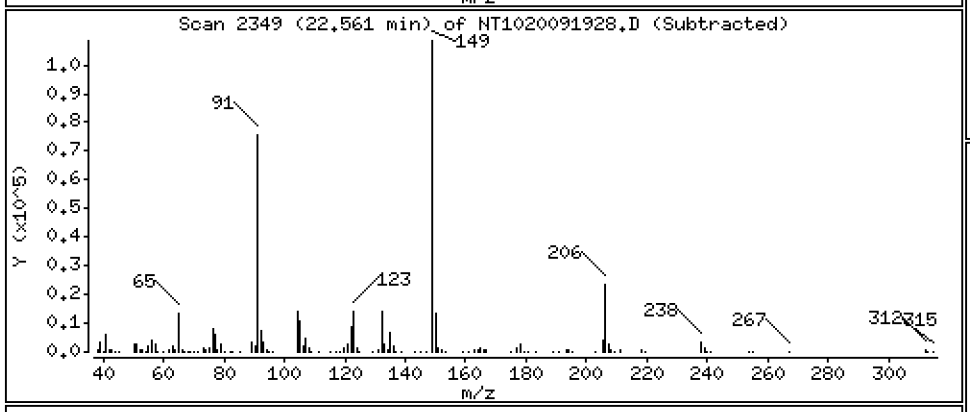
Column phase: ZB-5msi

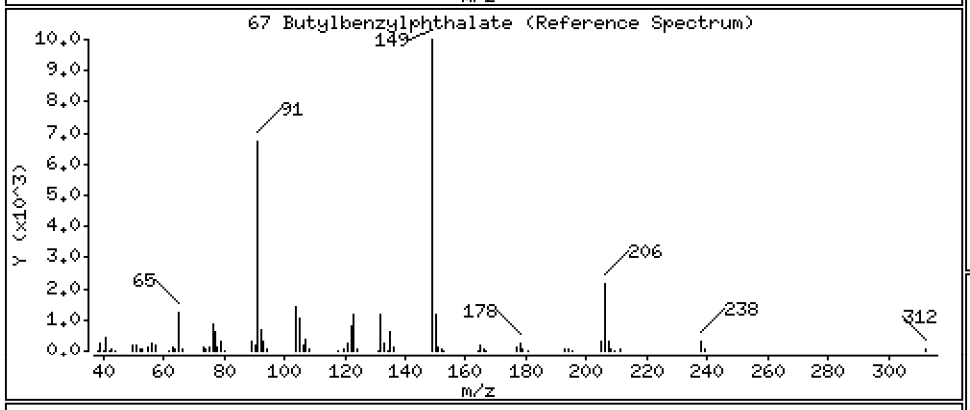
Column diameter: 0.25

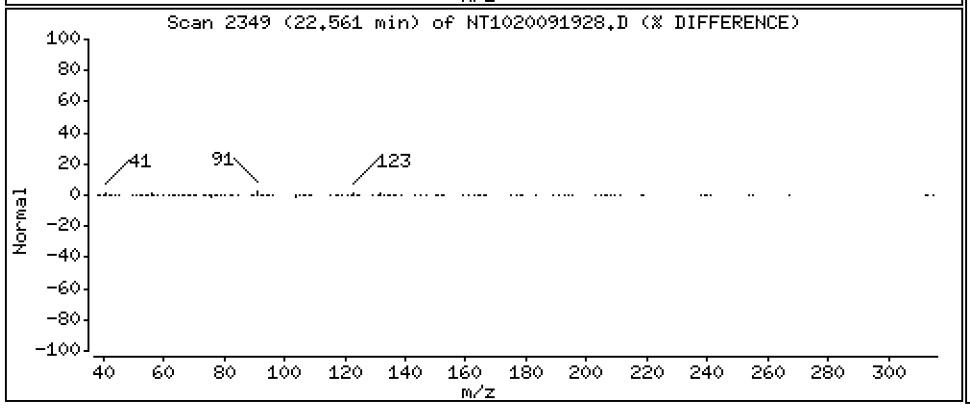
67 Butylbenzylphthalate

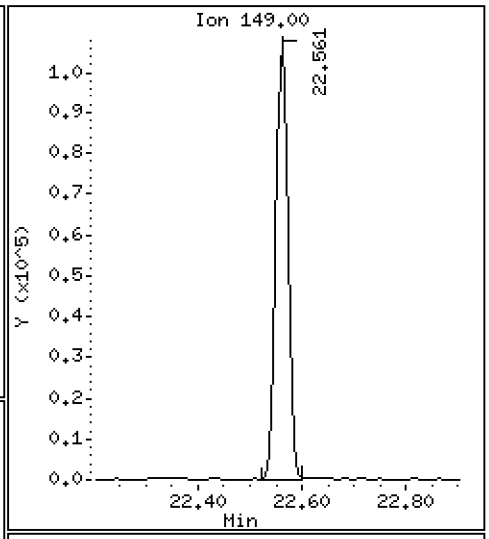
Concentration: 5.629 ug/mL

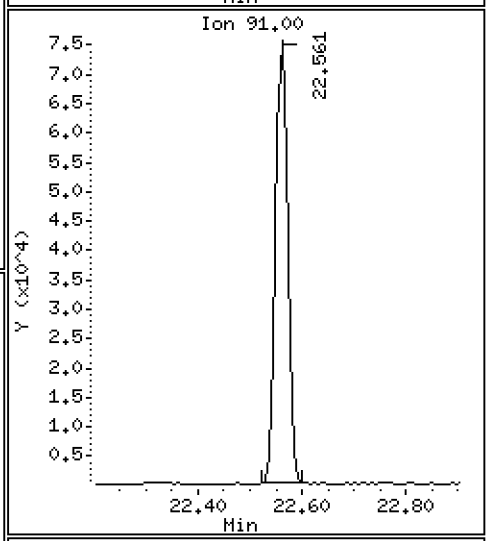


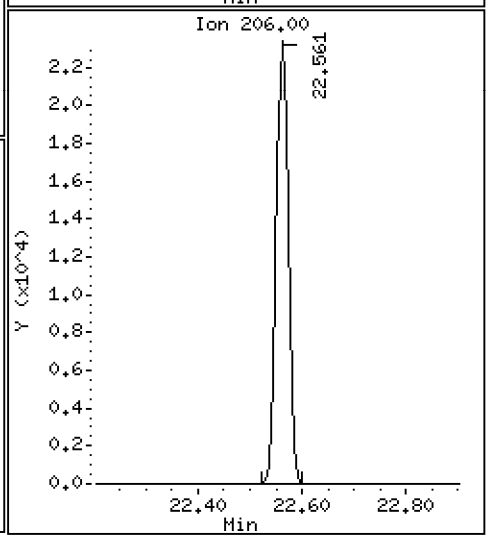












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

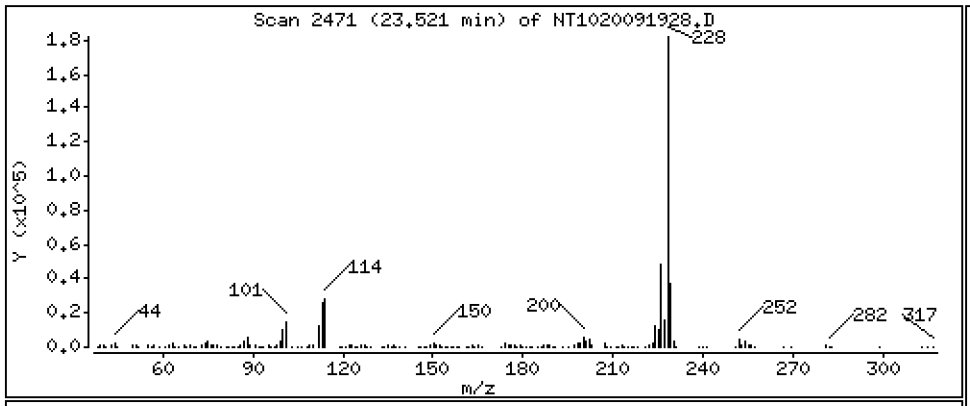
Operator: VTS

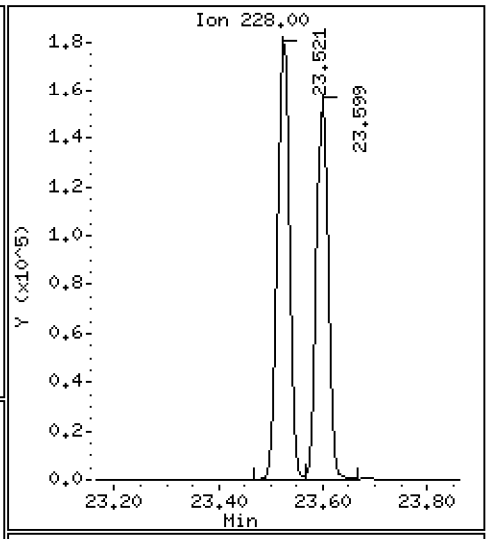
Column phase: ZB-5msi

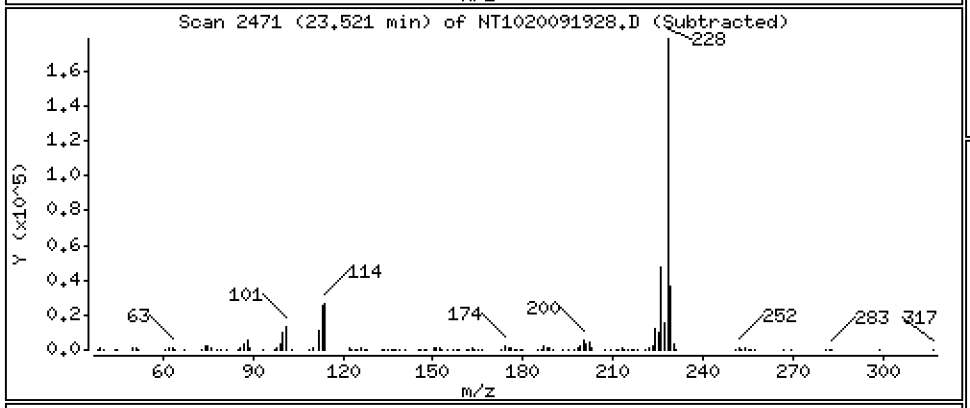
Column diameter: 0.25

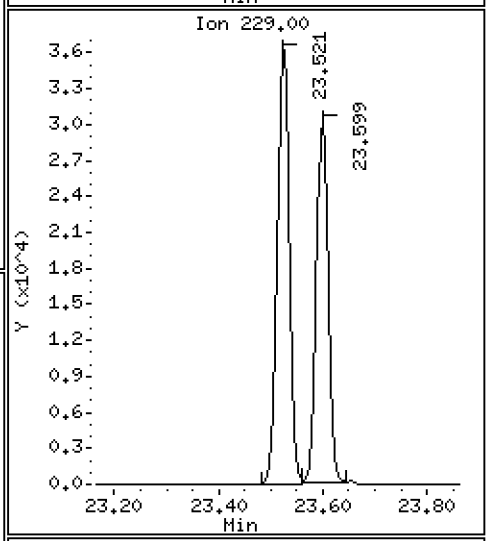
68 Benzo(a)anthracene

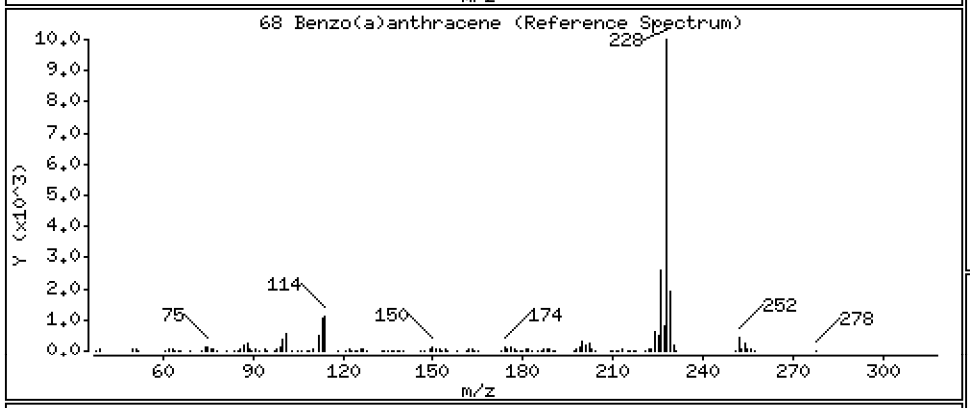
Concentration: 4.899 ug/mL

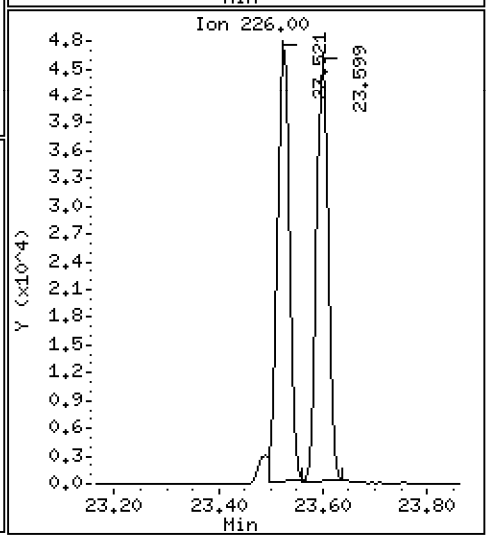


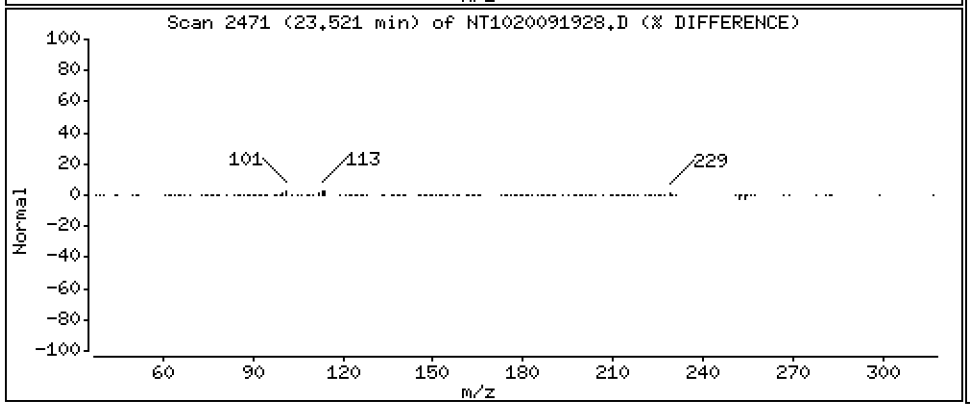












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

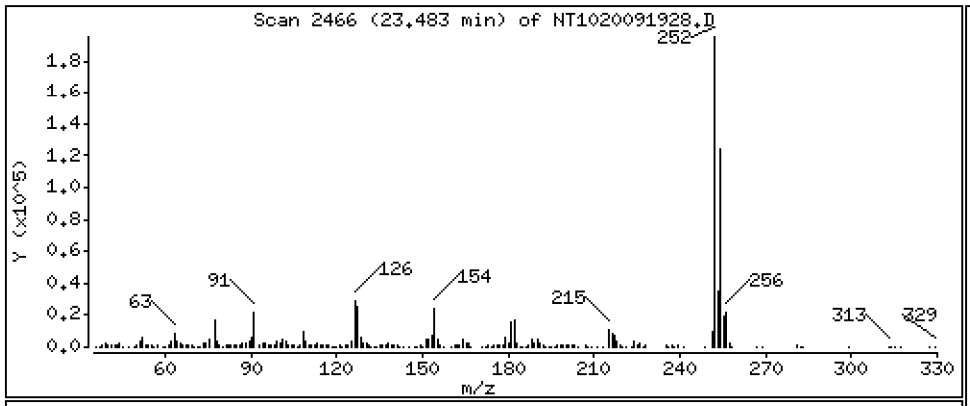
Operator: VTS

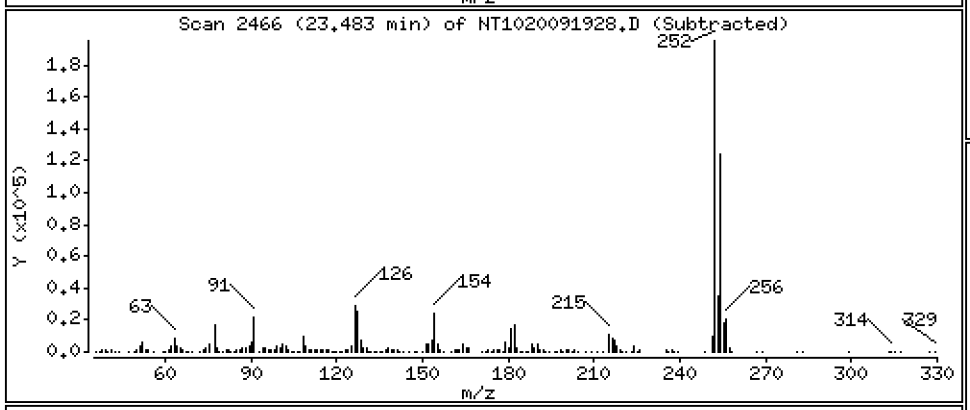
Column phase: ZB-5msi

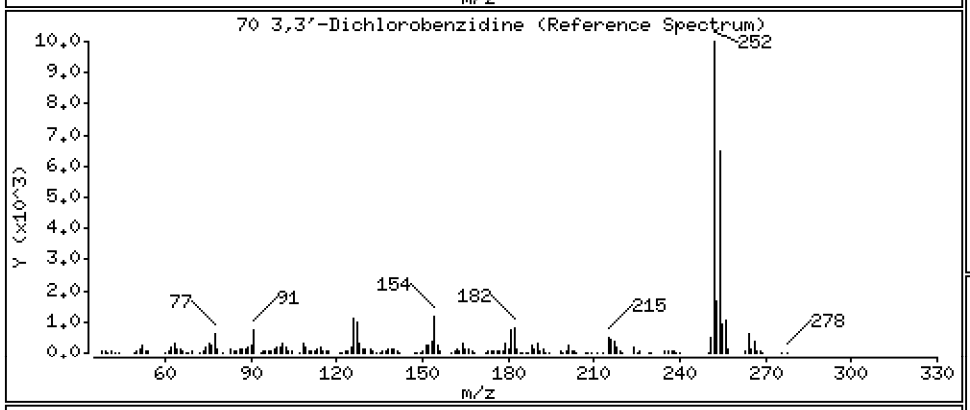
Column diameter: 0.25

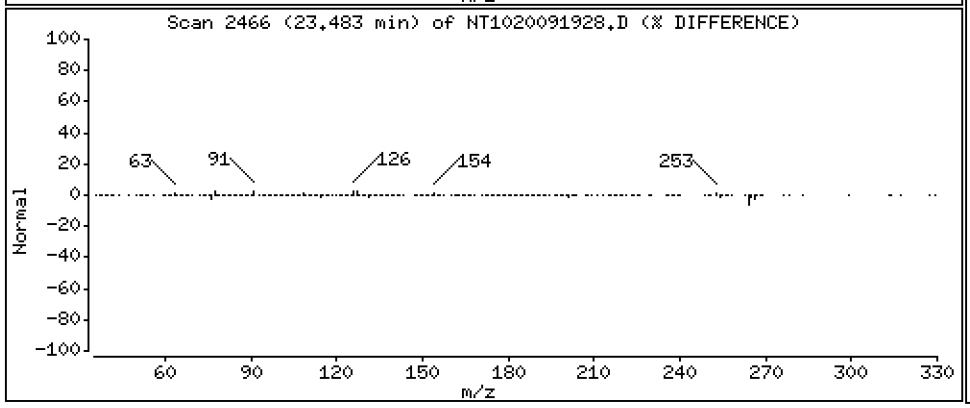
70 3,3'-Dichlorobenzidine

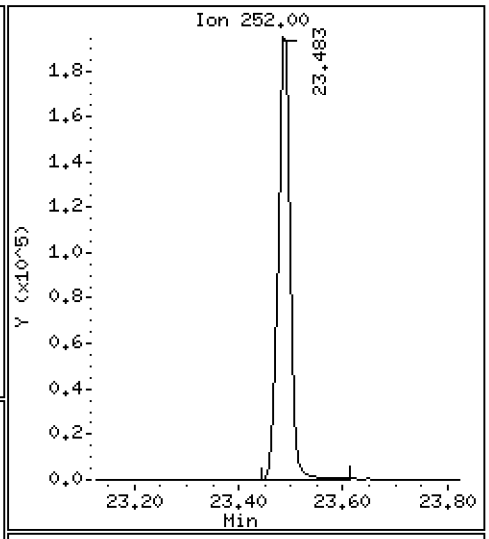
Concentration: 15.31 ug/mL

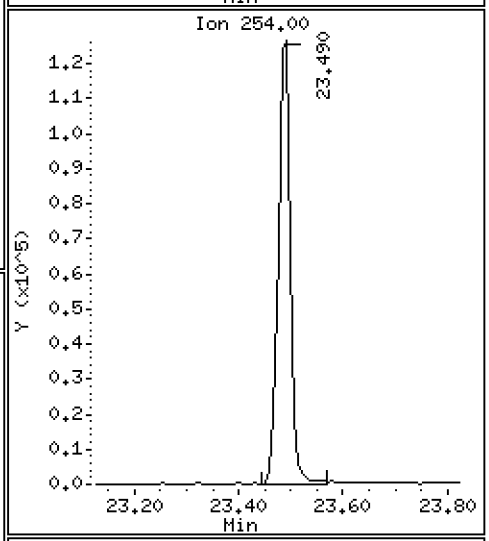


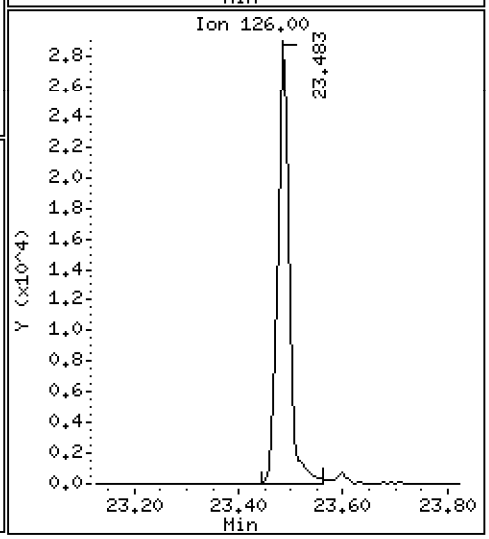












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

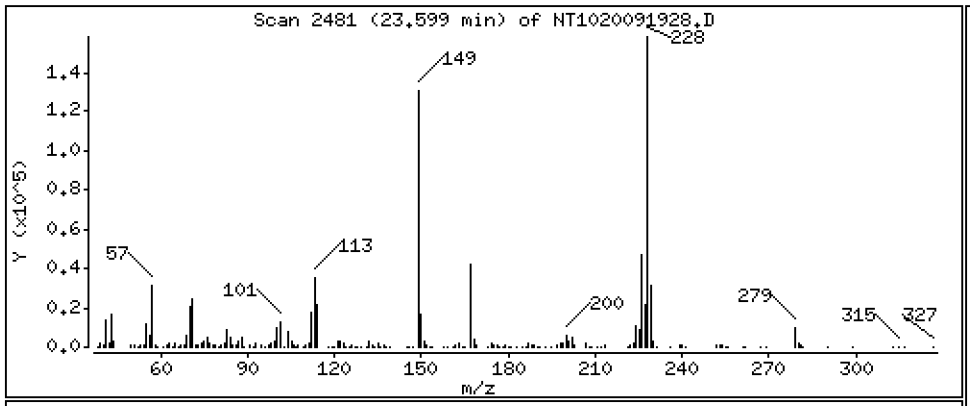
Operator: VTS

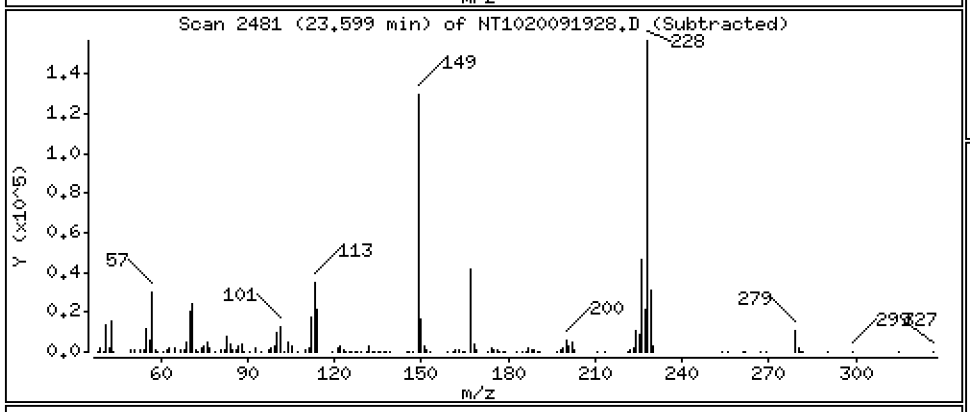
Column phase: ZB-5msi

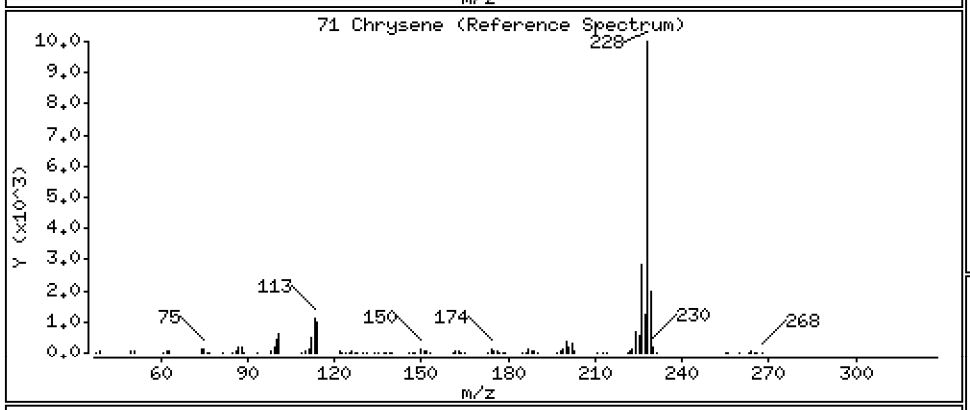
Column diameter: 0.25

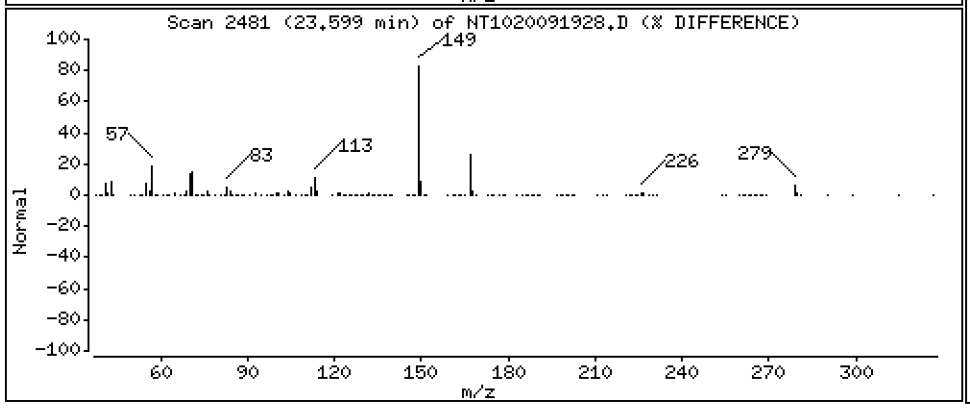
71 Chrysene

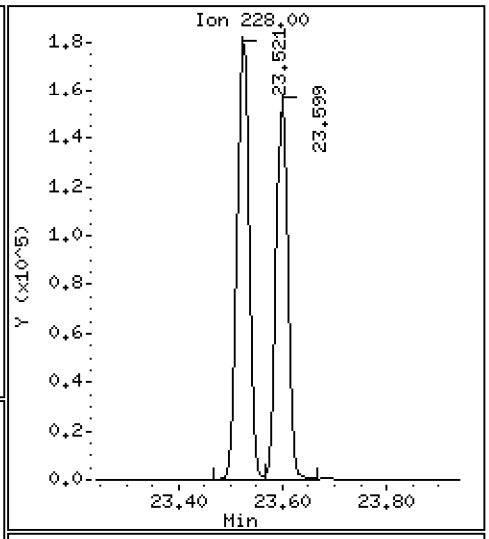
Concentration: 5.029 ug/mL

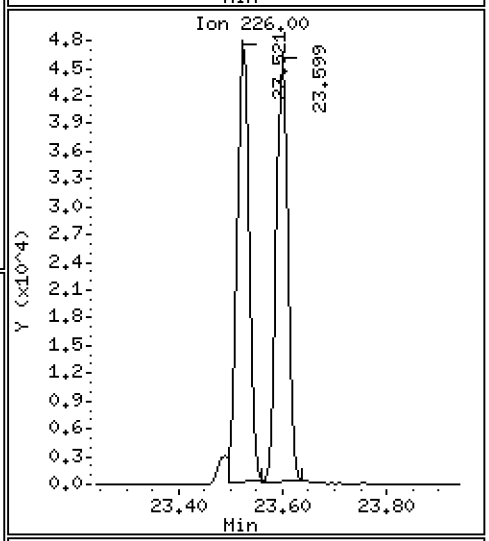


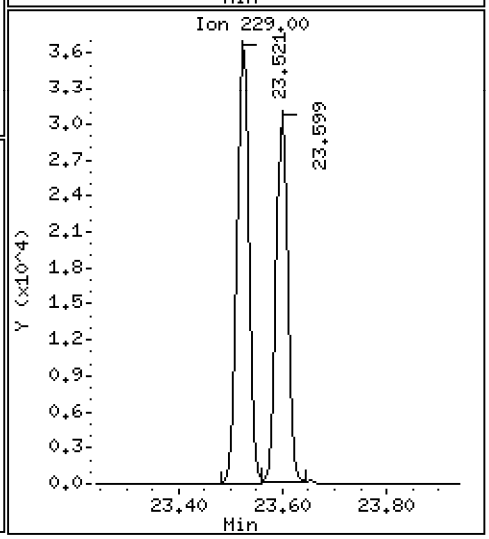












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

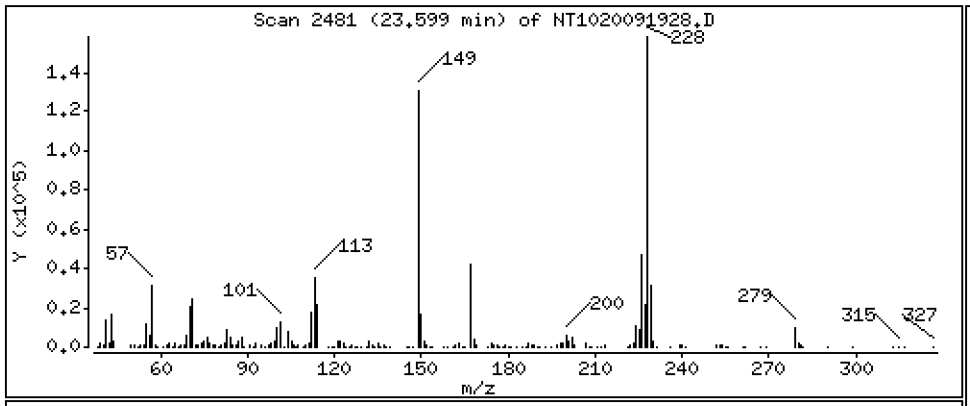
Operator: VTS

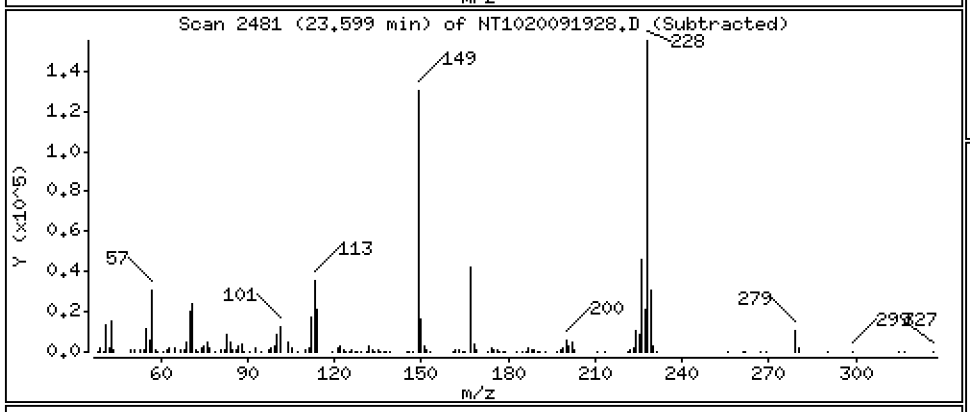
Column phase: ZB-5msi

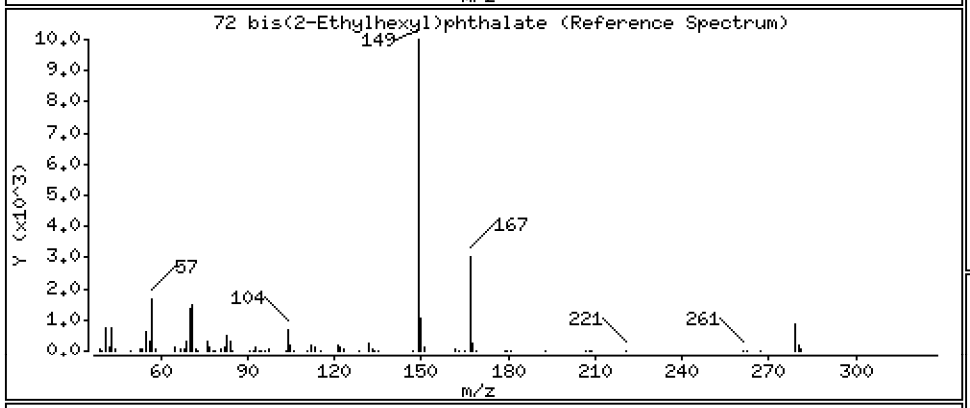
Column diameter: 0.25

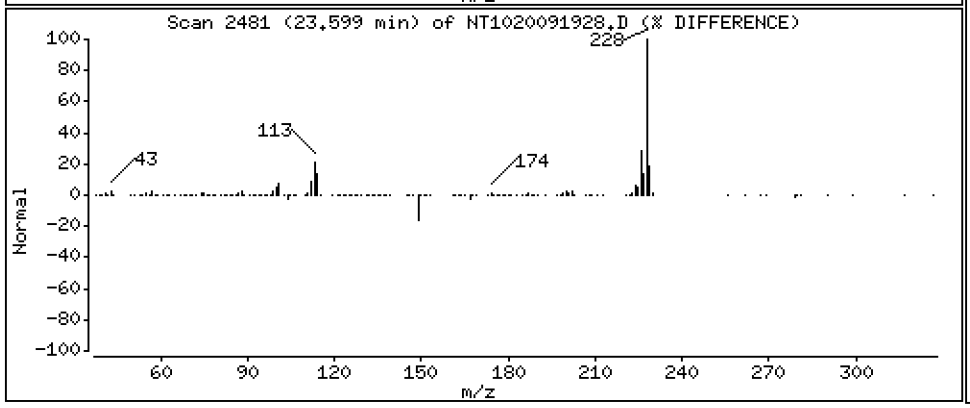
72 bis(2-Ethylhexyl)phthalate

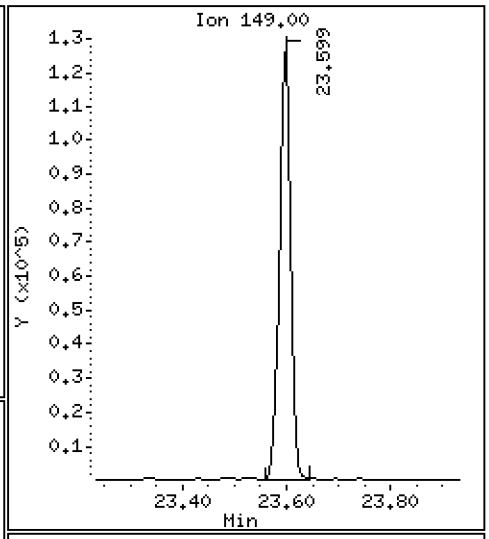
Concentration: 5.407 ug/mL

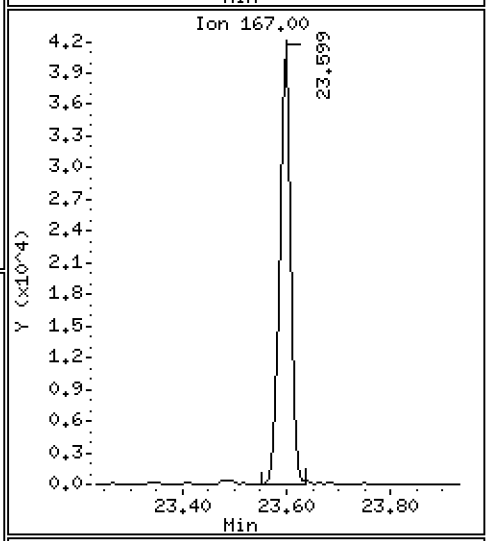


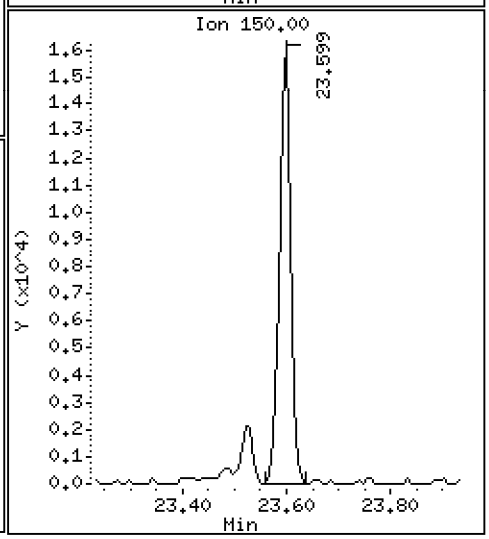












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

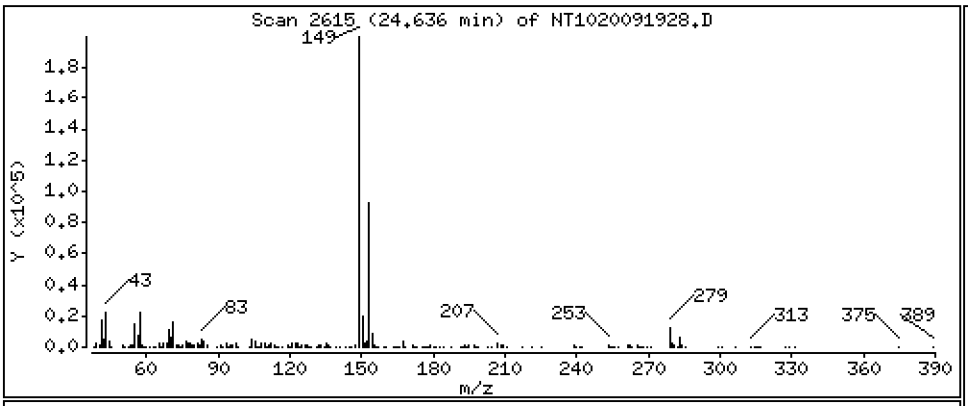
Operator: VTS

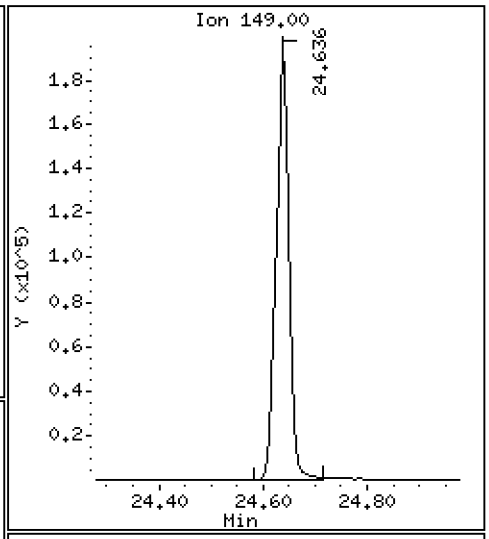
Column phase: ZB-5msi

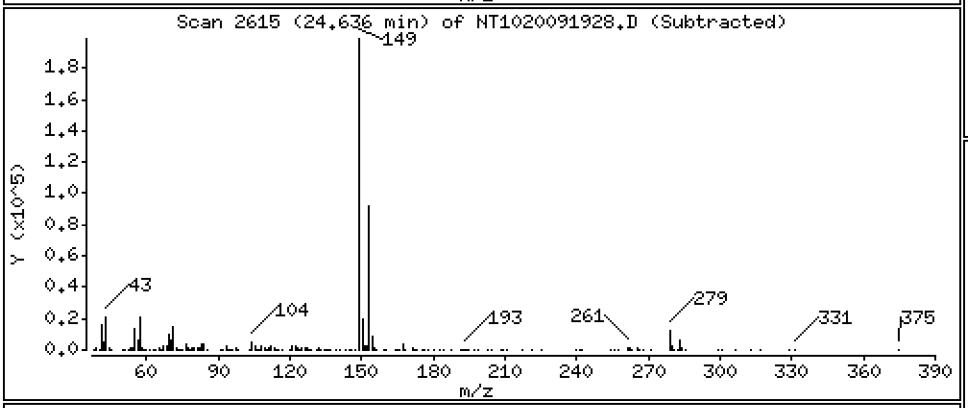
Column diameter: 0.25

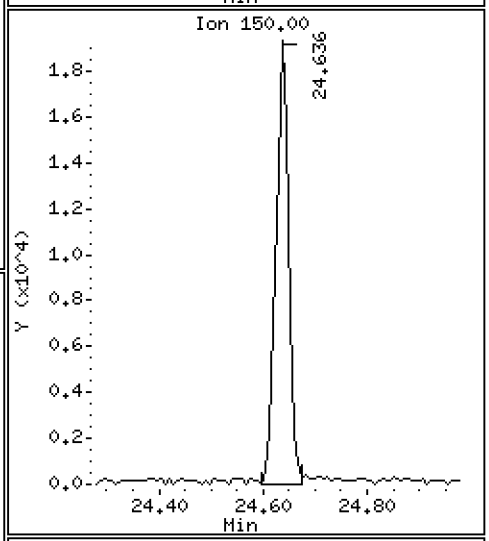
73 Di-n-octylphthalate

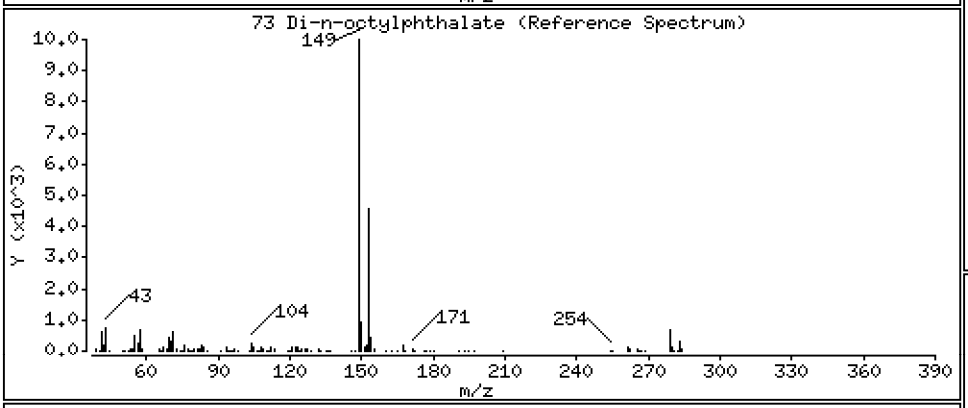
Concentration: 5.000 ug/mL

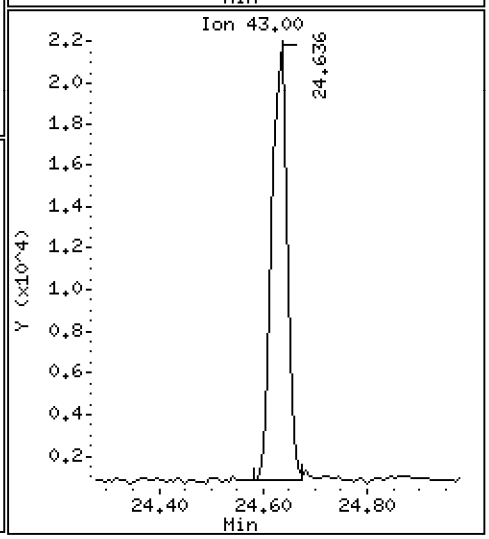


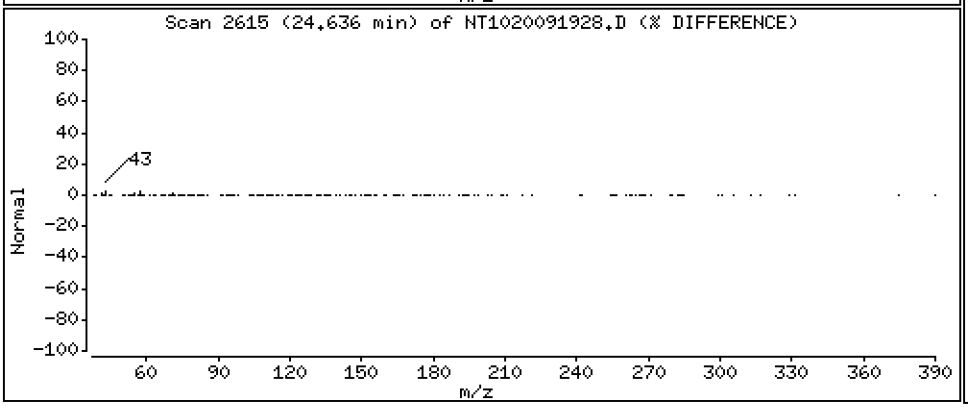












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

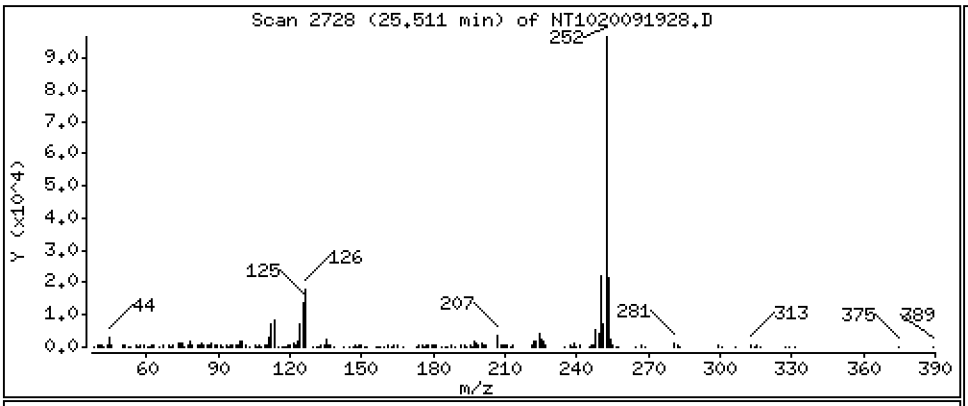
Operator: VTS

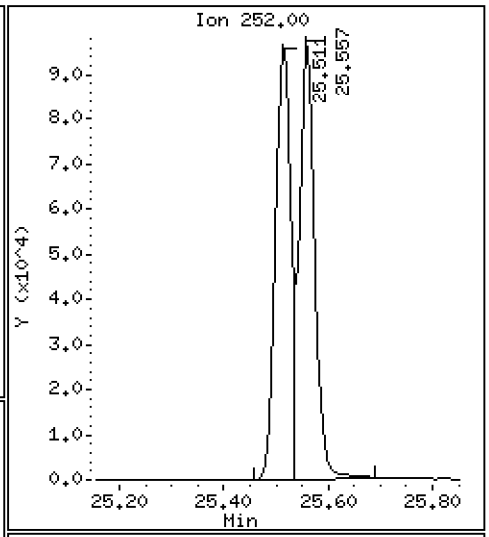
Column phase: ZB-5msi

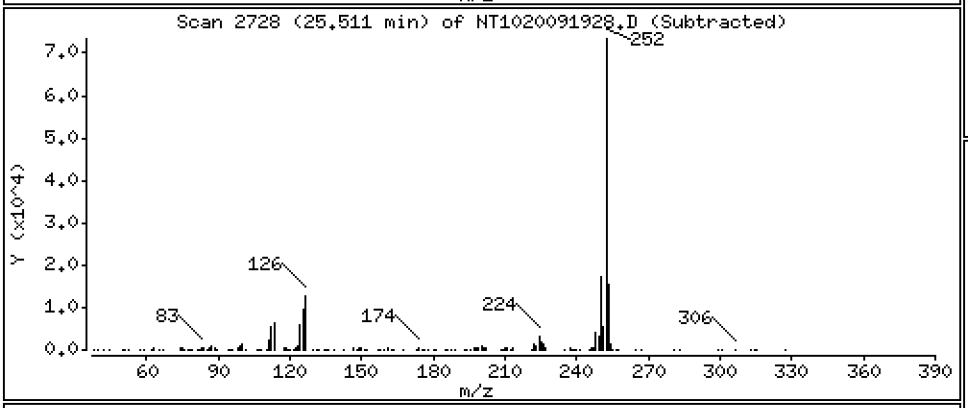
Column diameter: 0.25

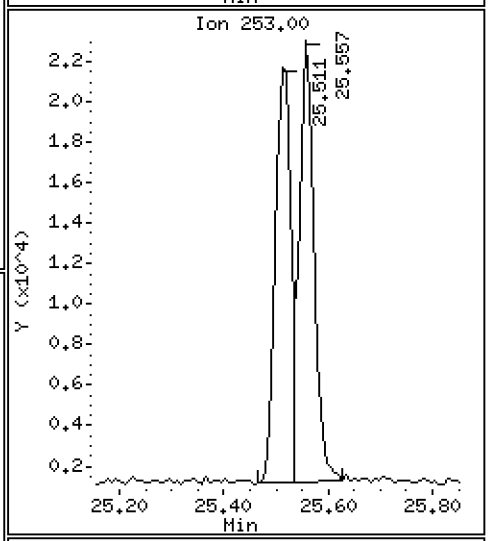
74 Benzo(b)fluoranthene

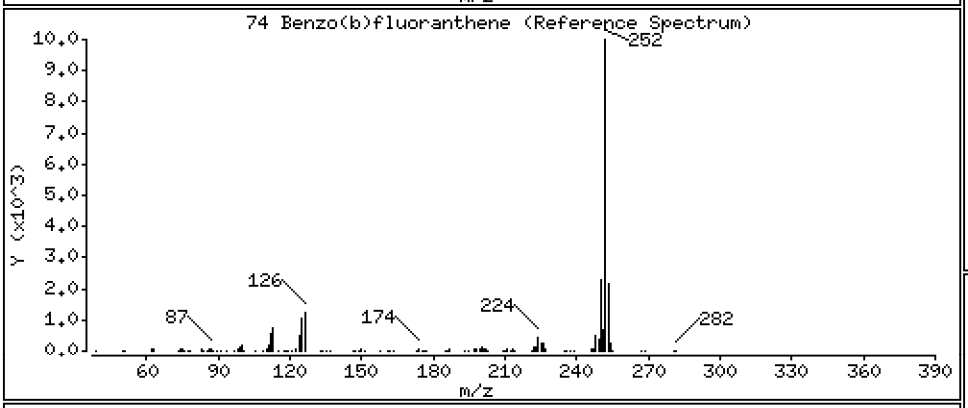
Concentration: 4.746 ug/mL

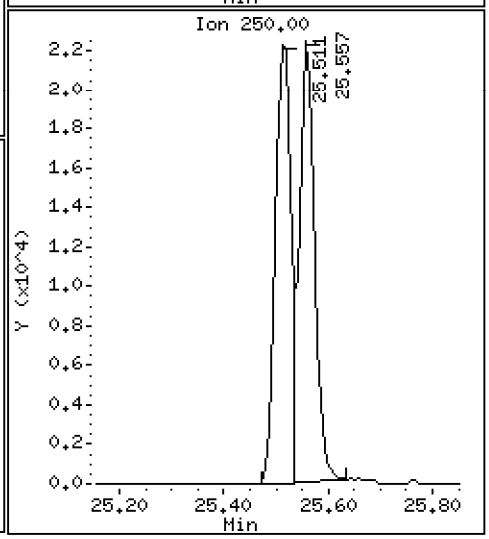


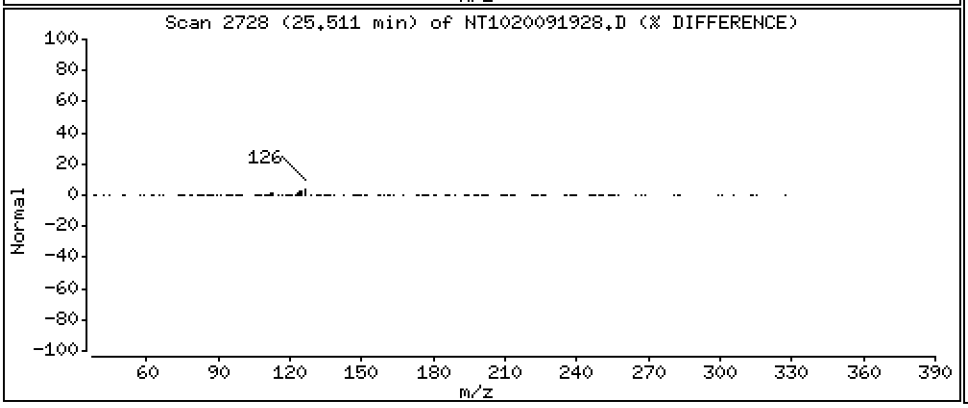












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

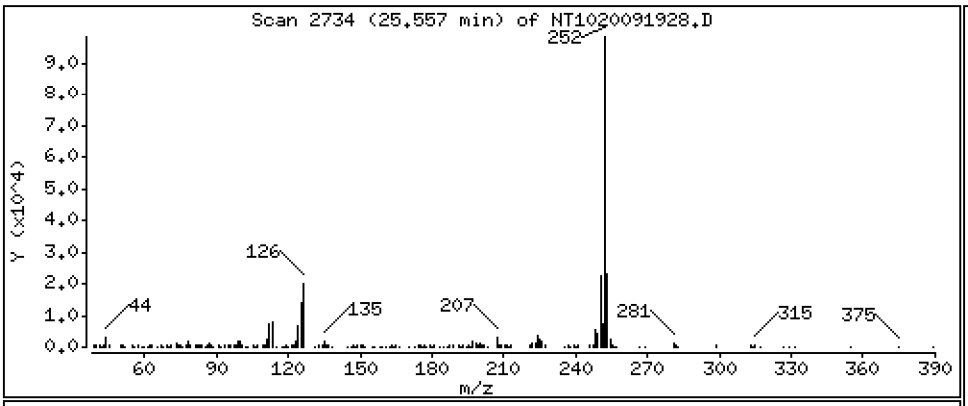
Operator: VTS

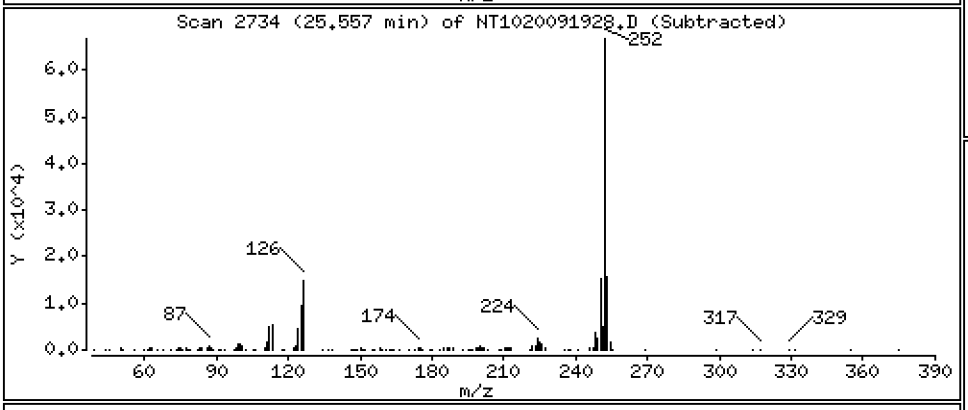
Column phase: ZB-5msi

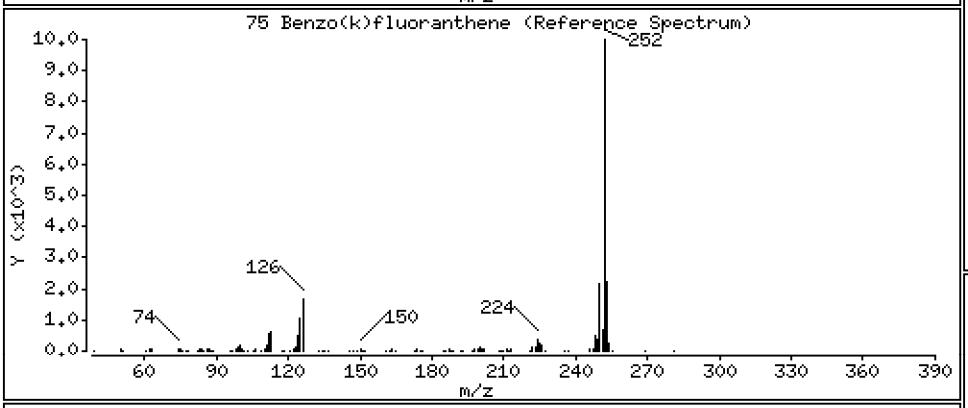
Column diameter: 0.25

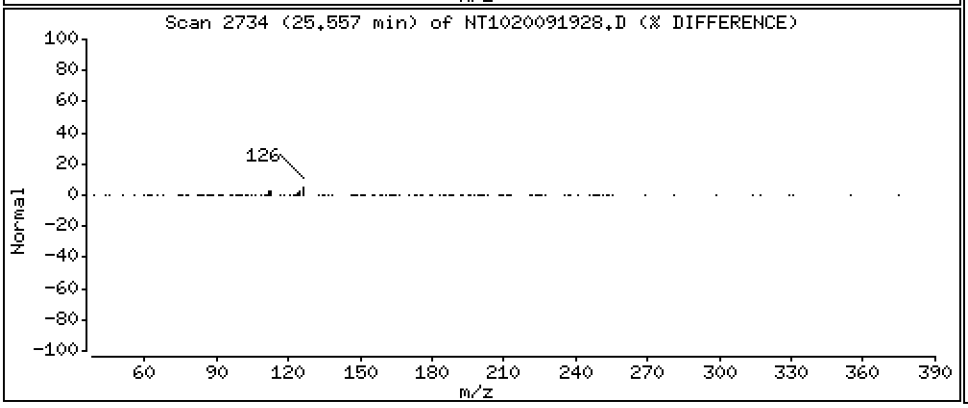
75 Benzo(k)fluoranthene

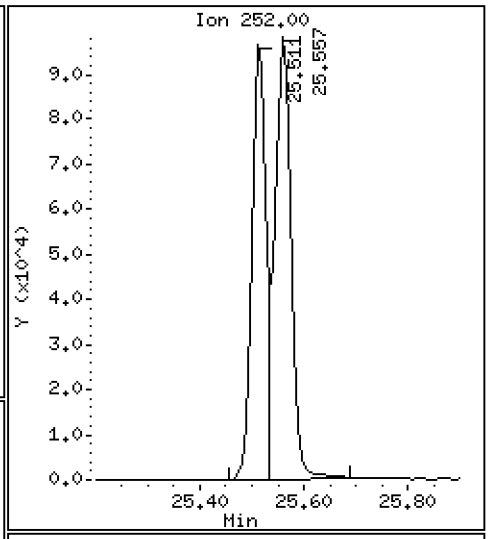
Concentration: 5.263 ug/mL

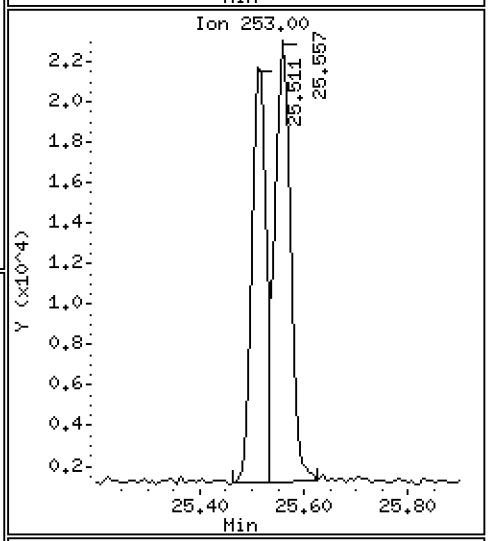


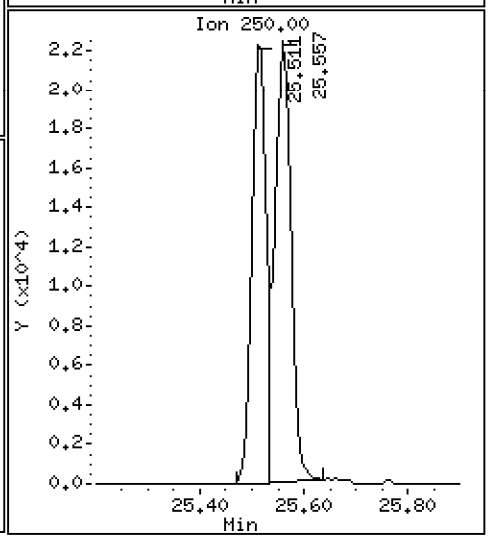












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

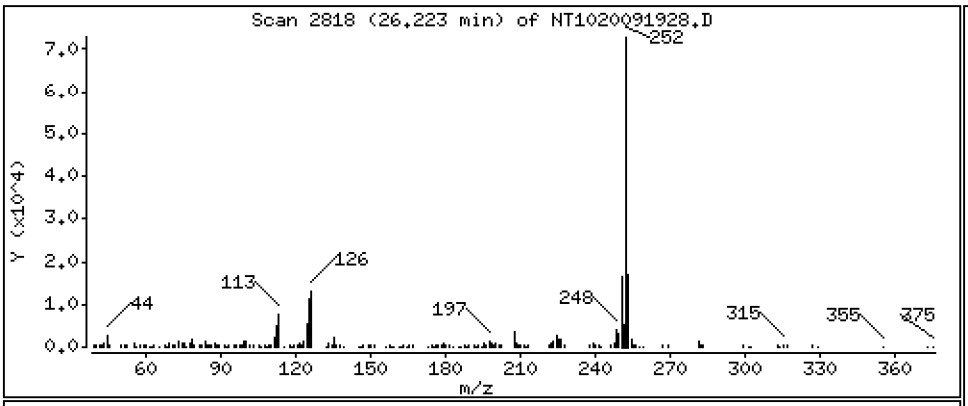
Operator: VTS

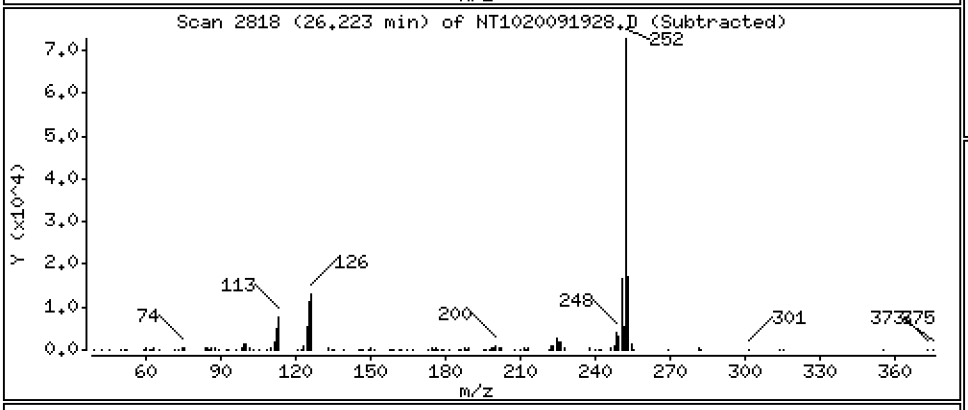
Column phase: ZB-5msi

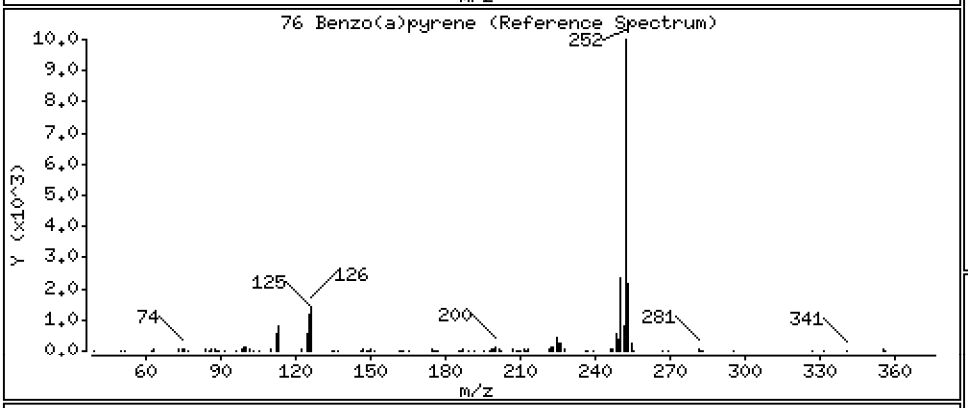
Column diameter: 0.25

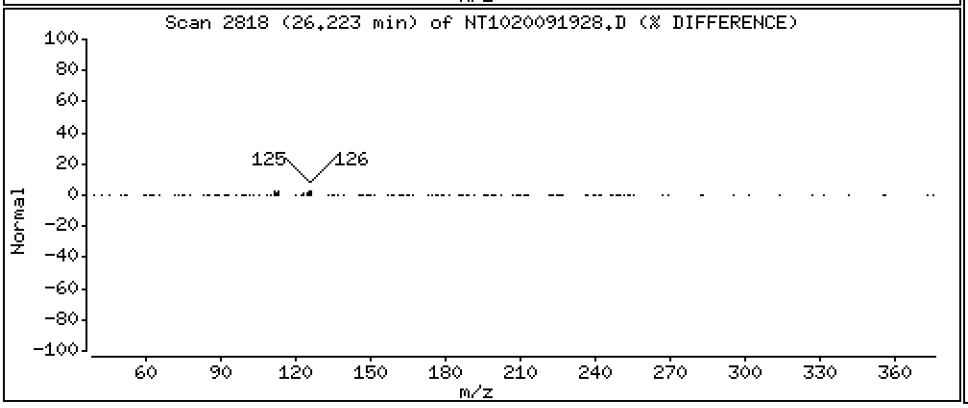
76 Benzo(a)pyrene

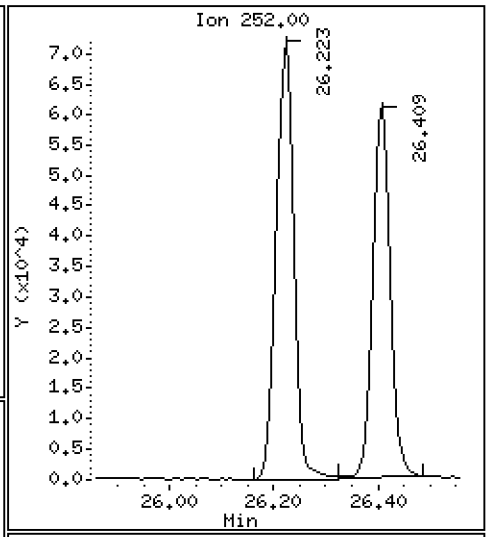
Concentration: 4.978 ug/mL

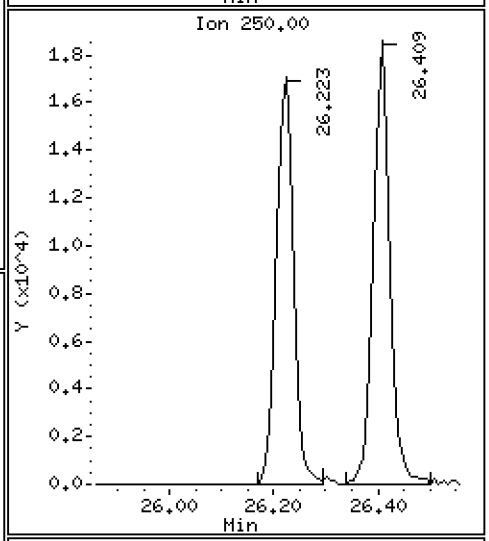


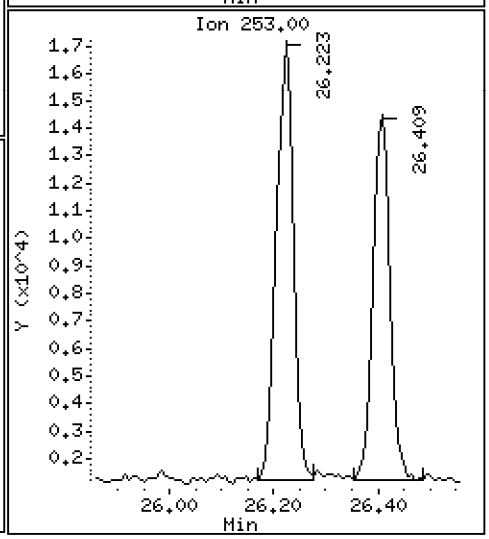












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

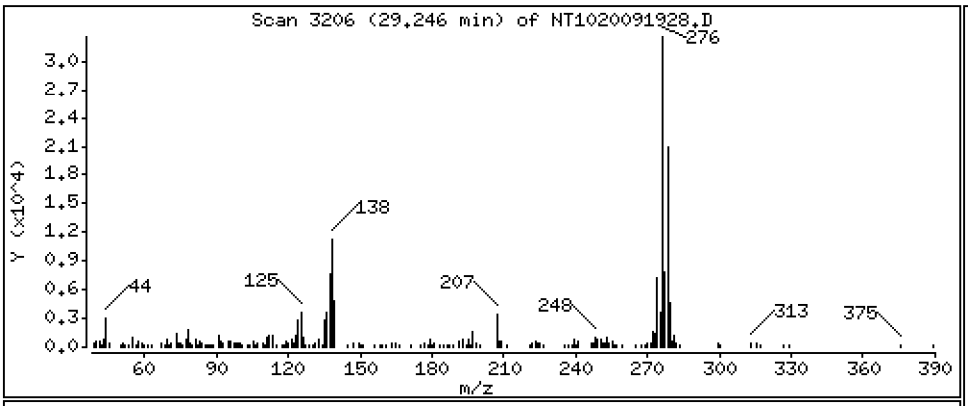
Operator: VTS

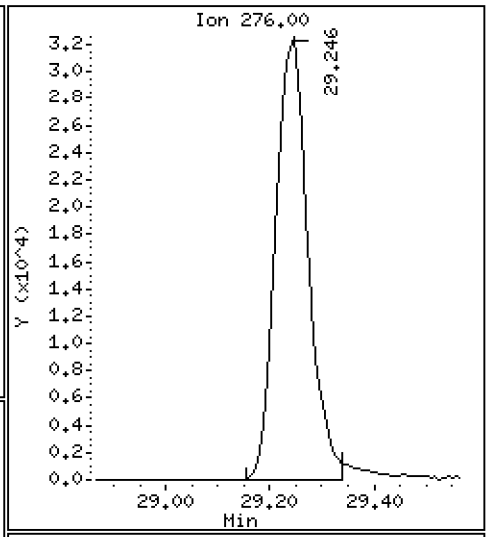
Column phase: ZB-5msi

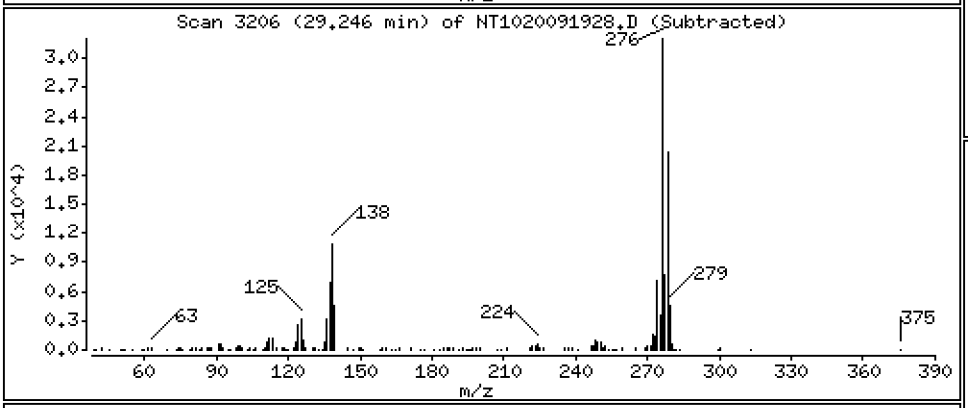
Column diameter: 0.25

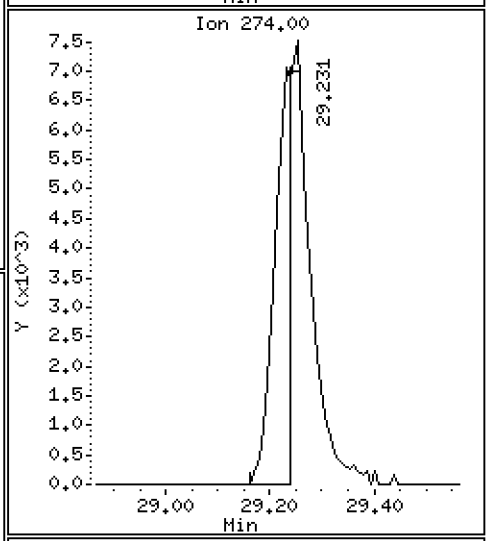
78 Indeno(1,2,3-cd)pyrene

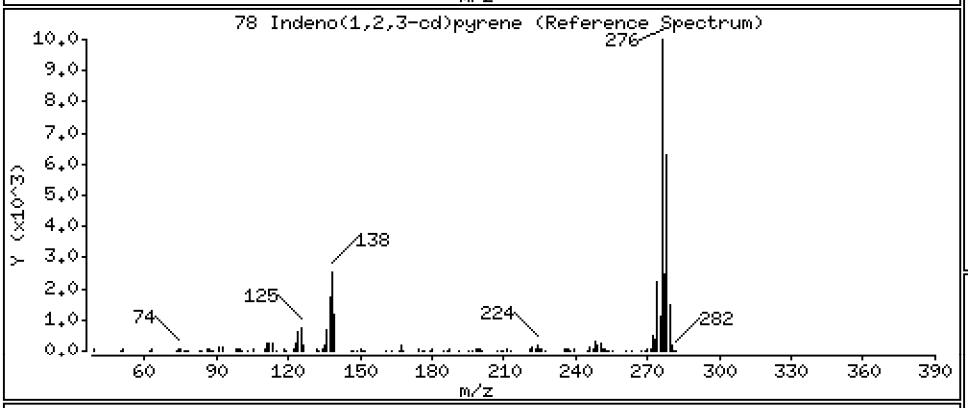
Concentration: 5.065 ug/mL

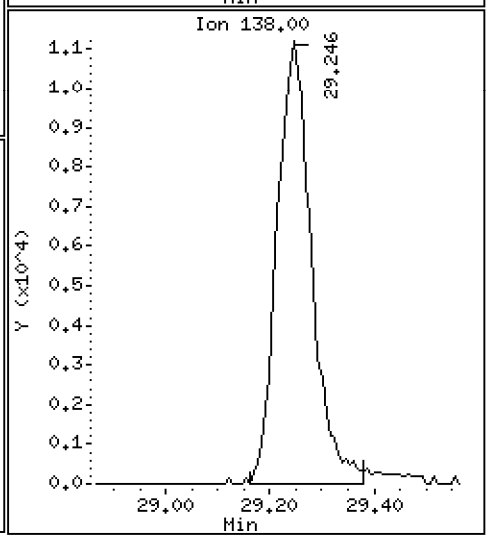


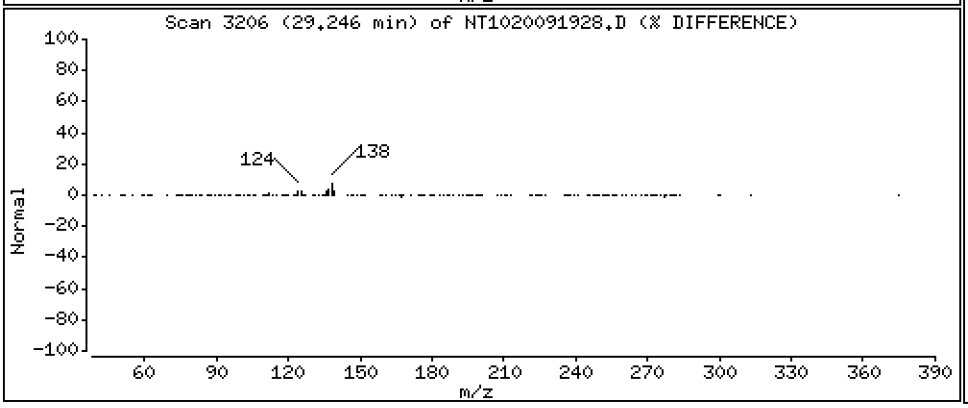












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

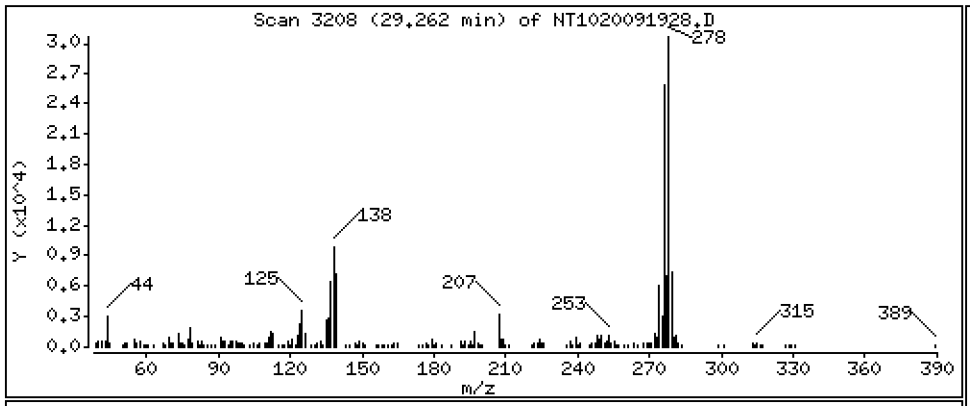
Operator: VTS

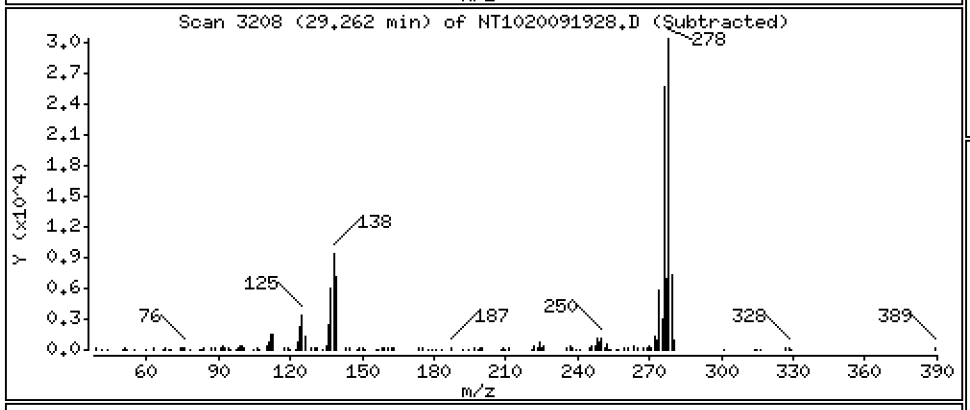
Column phase: ZB-5msi

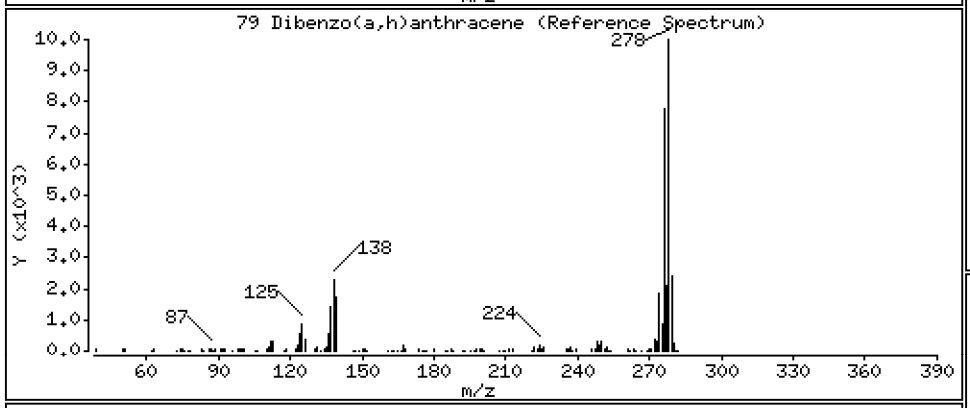
Column diameter: 0.25

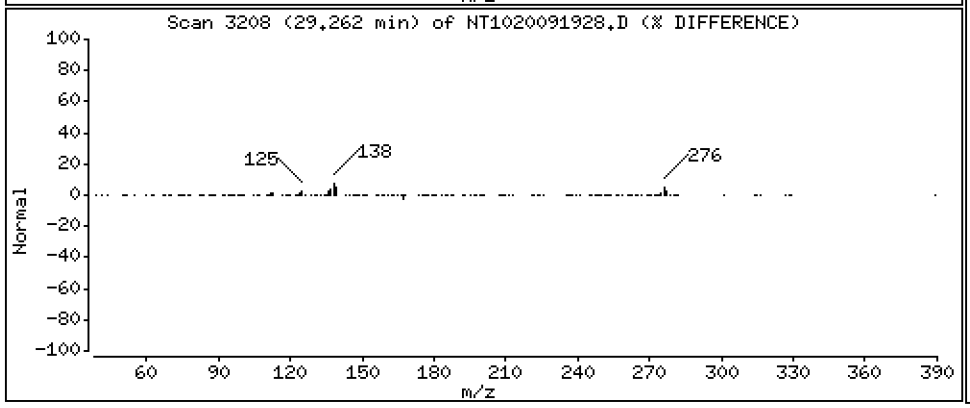
79 Dibenzo(a,h)anthracene

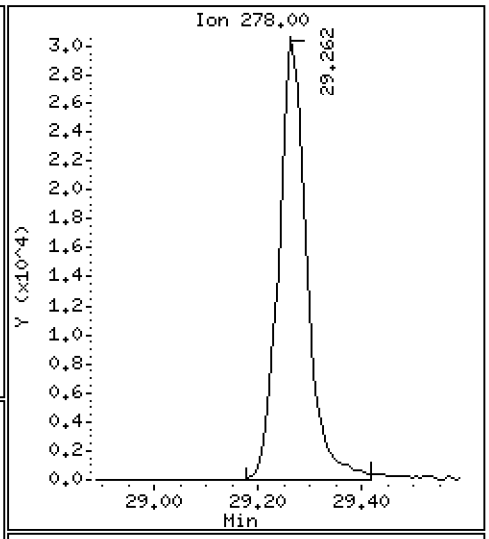
Concentration: 5.137 ug/mL

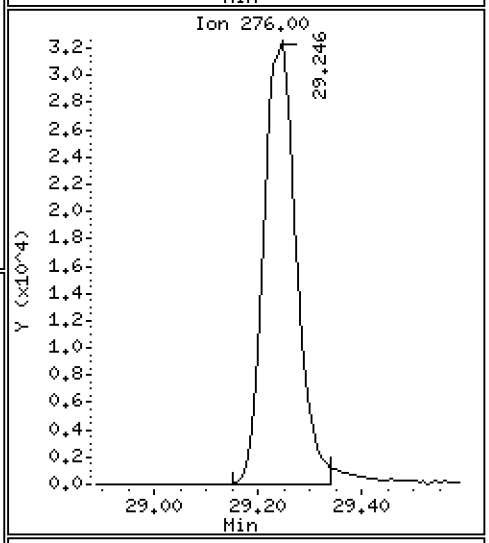


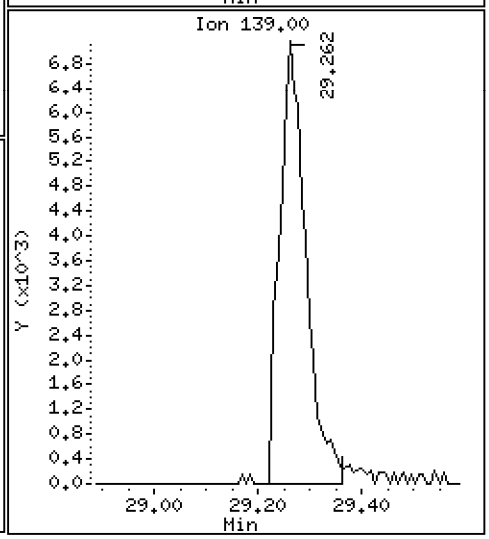












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

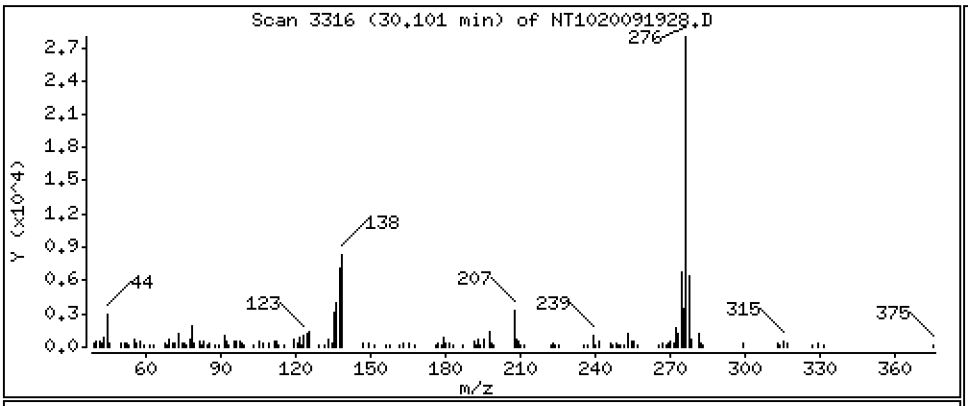
Operator: VTS

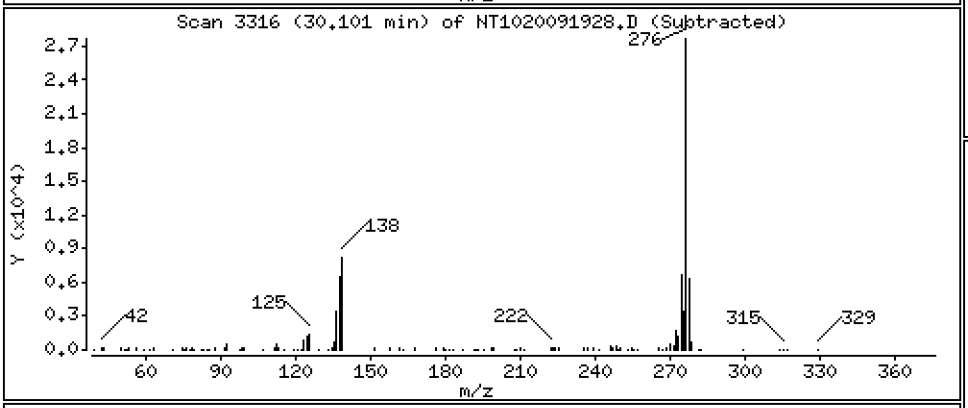
Column phase: ZB-5msi

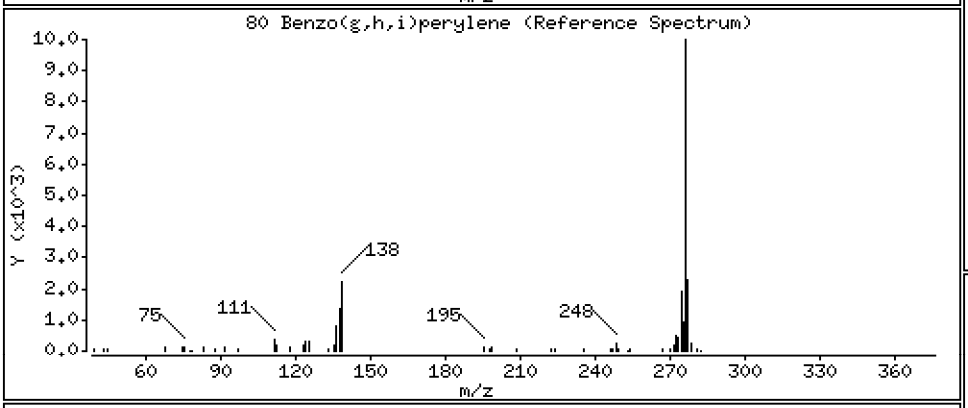
Column diameter: 0.25

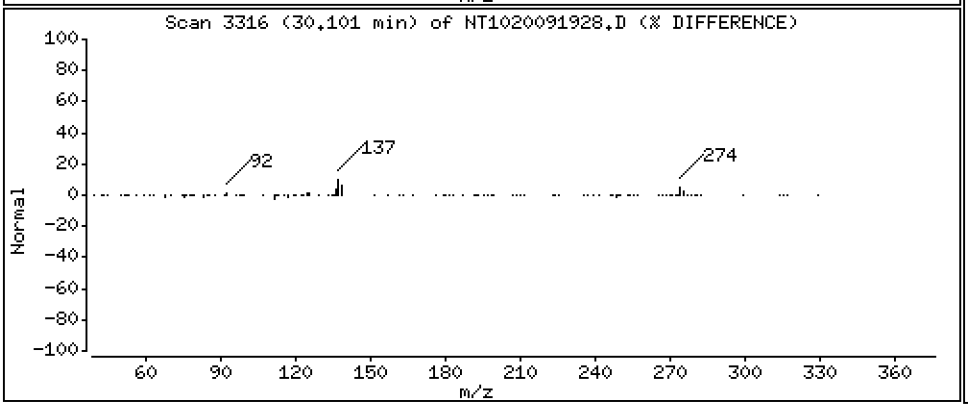
80 Benzo(g,h,i)perylene

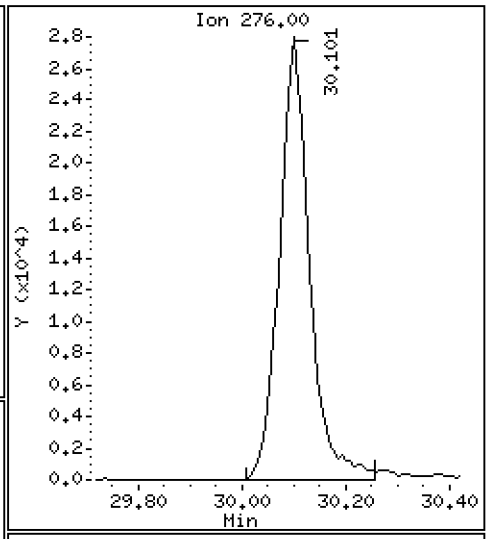
Concentration: 4.968 ug/mL

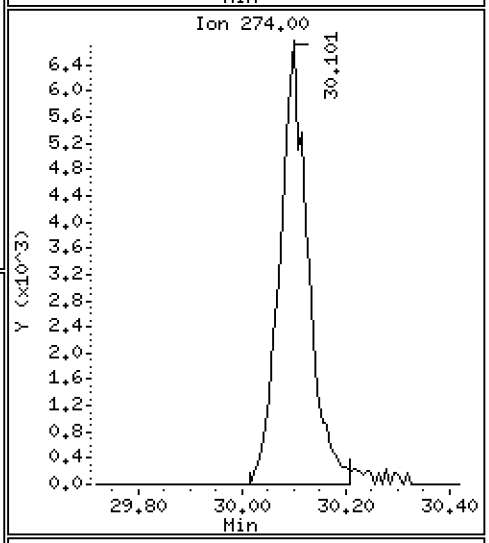


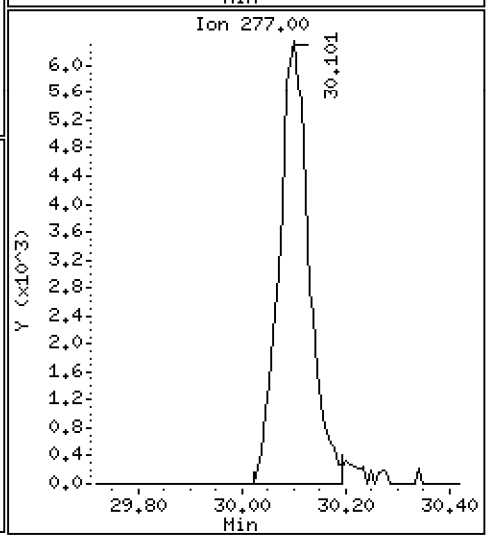












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

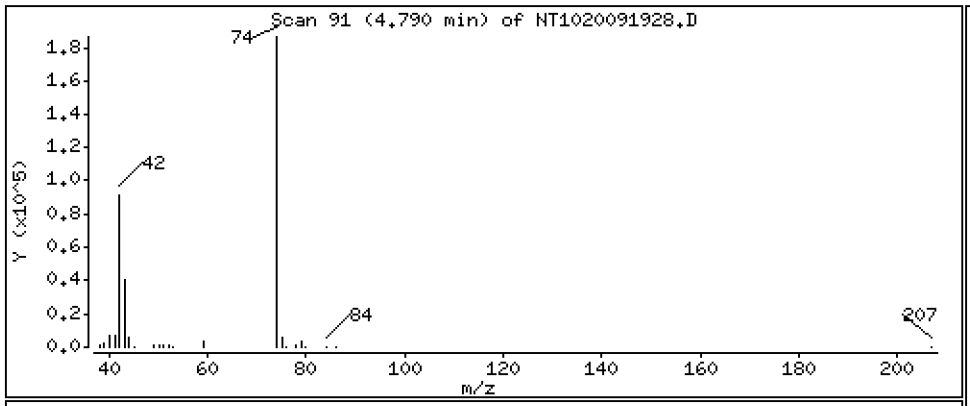
Operator: VTS

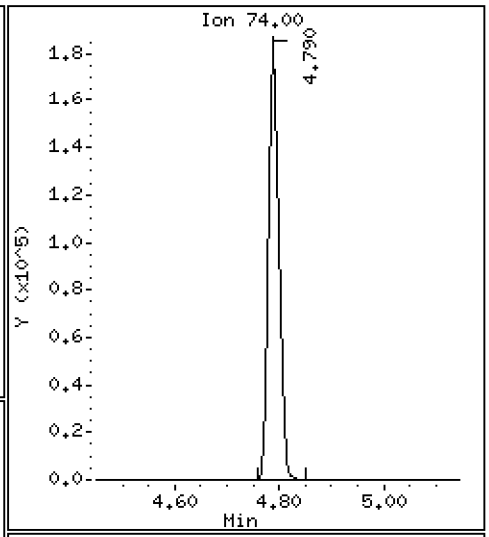
Column phase: ZB-5msi

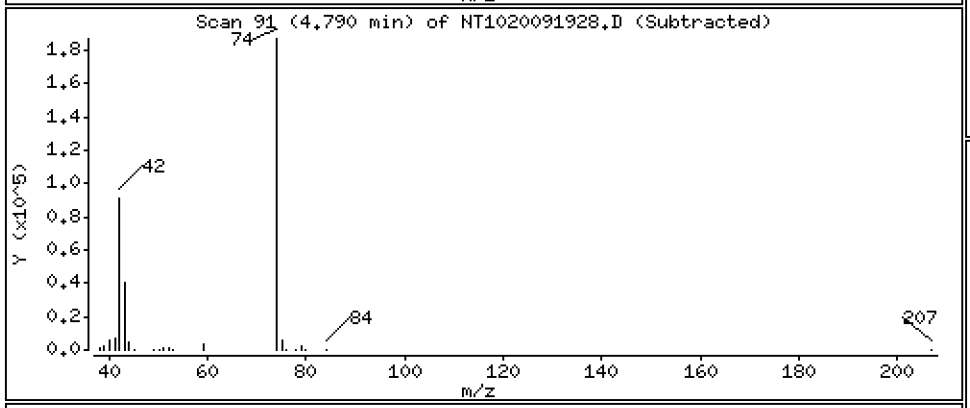
Column diameter: 0.25

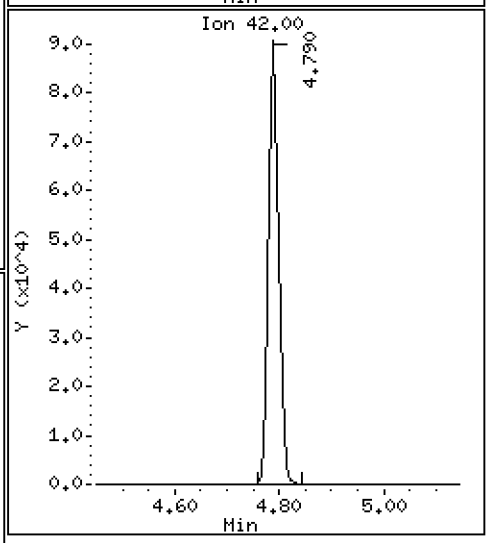
90 N-Nitrosodimethylamine

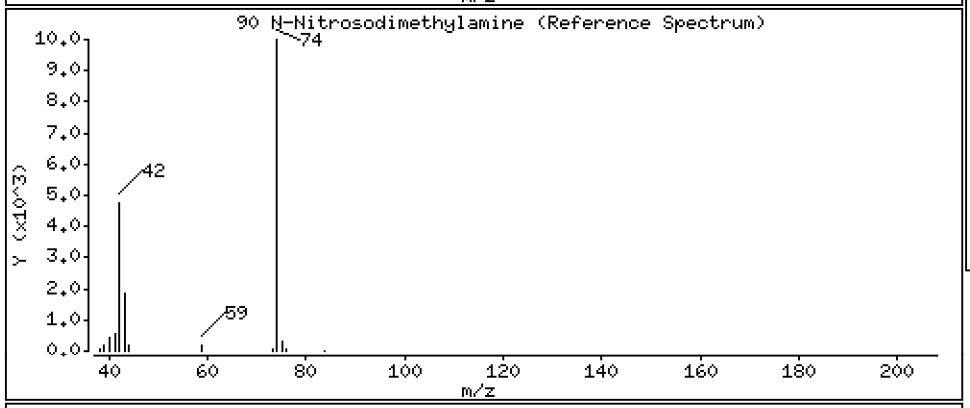
Concentration: 11.35 ug/mL

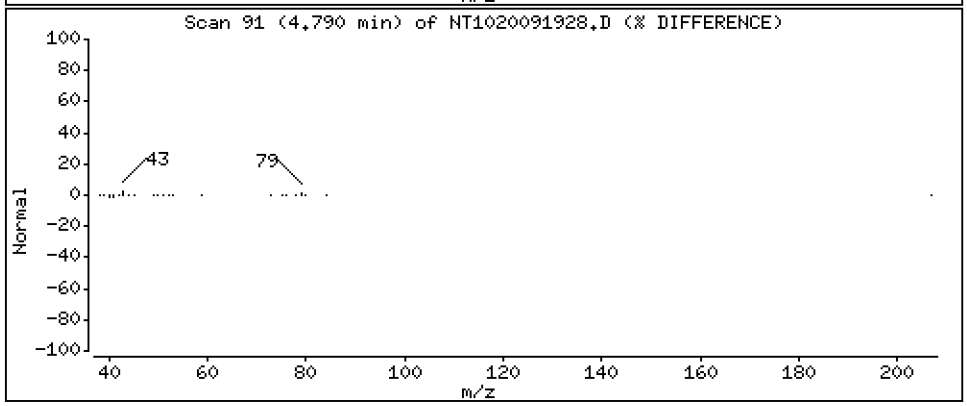












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

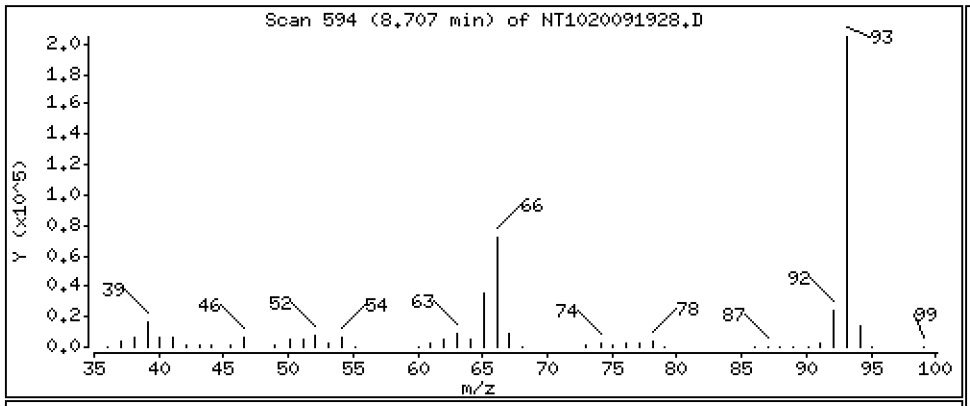
Operator: VTS

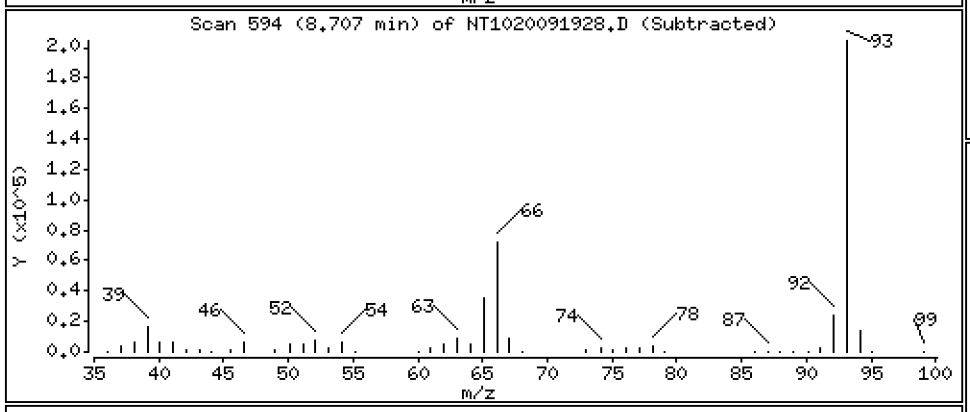
Column phase: ZB-5msi

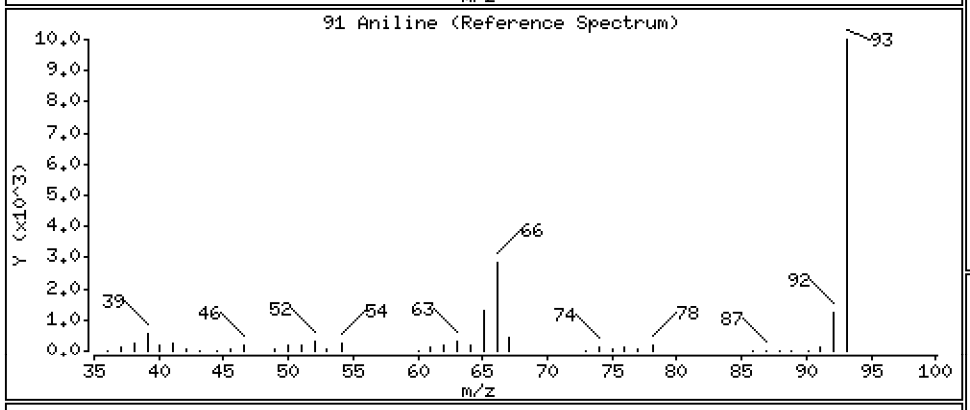
Column diameter: 0.25

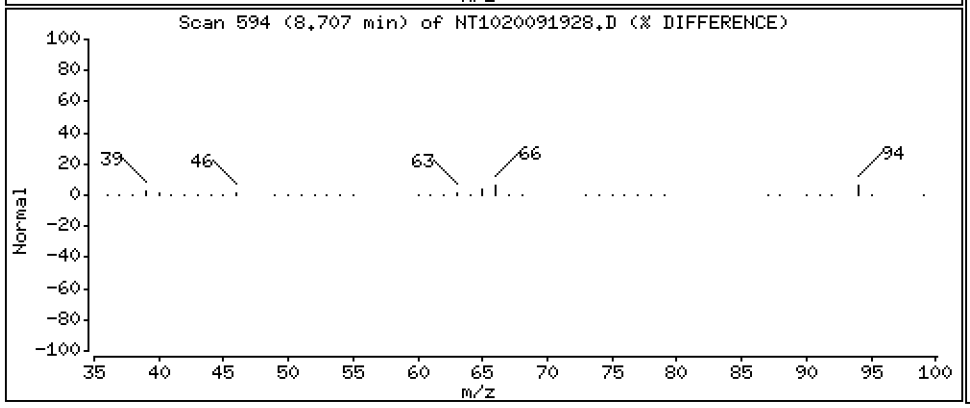
91 Aniline

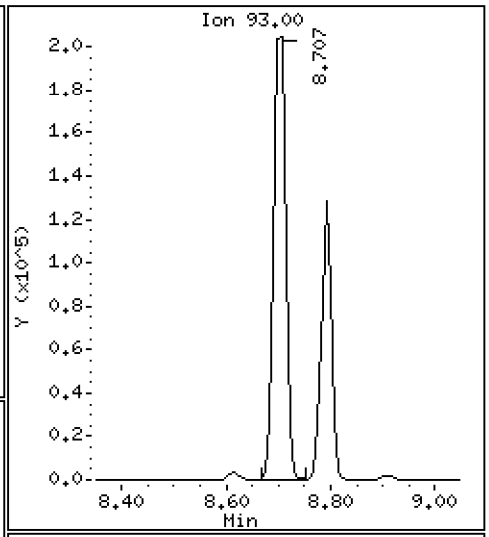
Concentration: 10.46 ug/mL

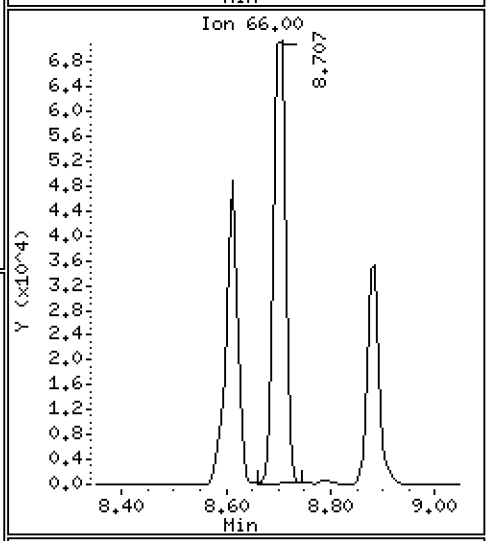


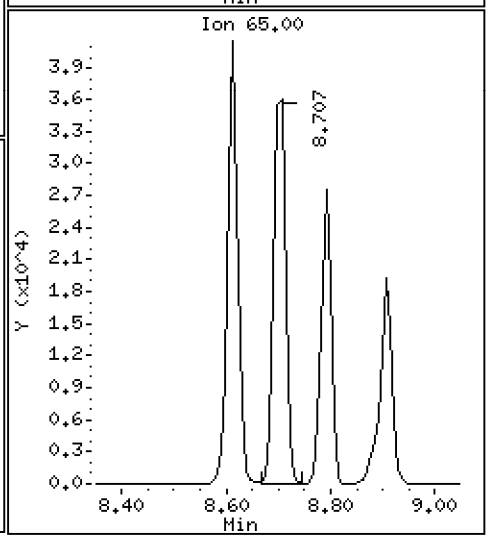












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

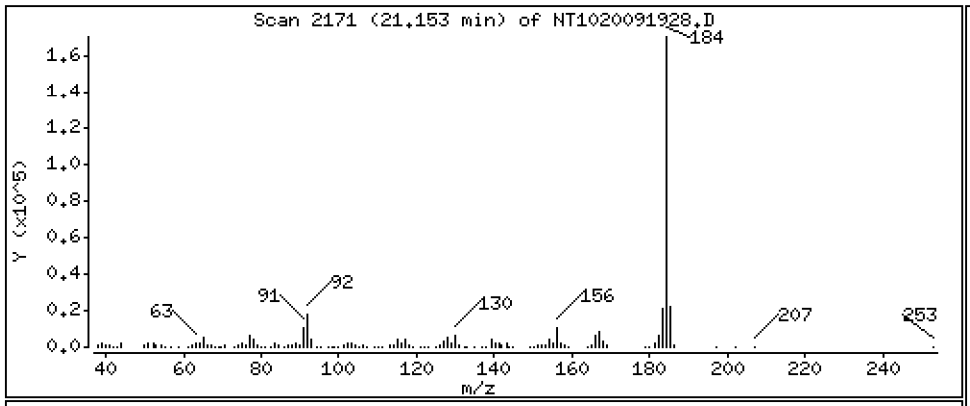
Operator: VTS

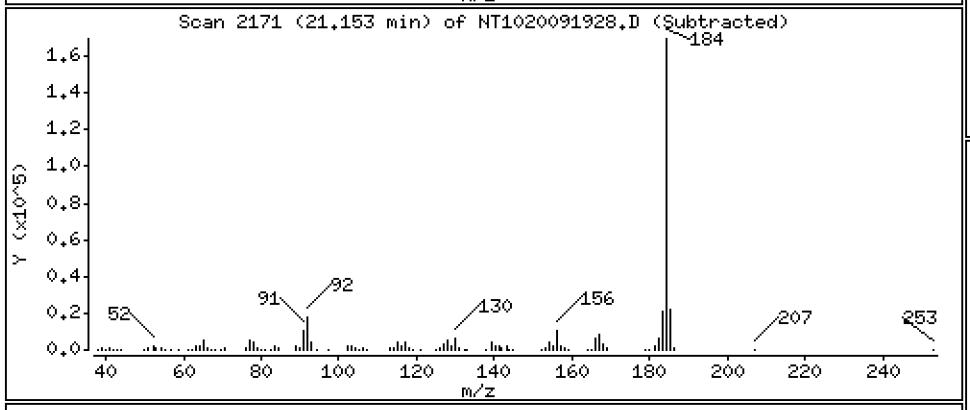
Column phase: ZB-5msi

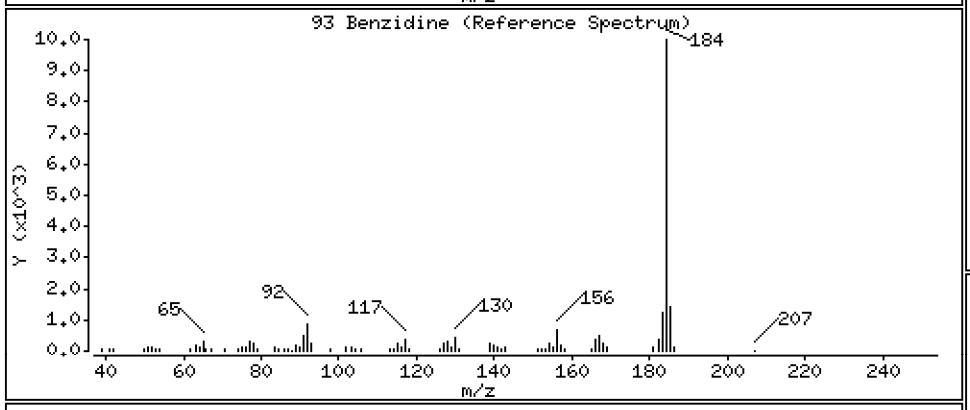
Column diameter: 0.25

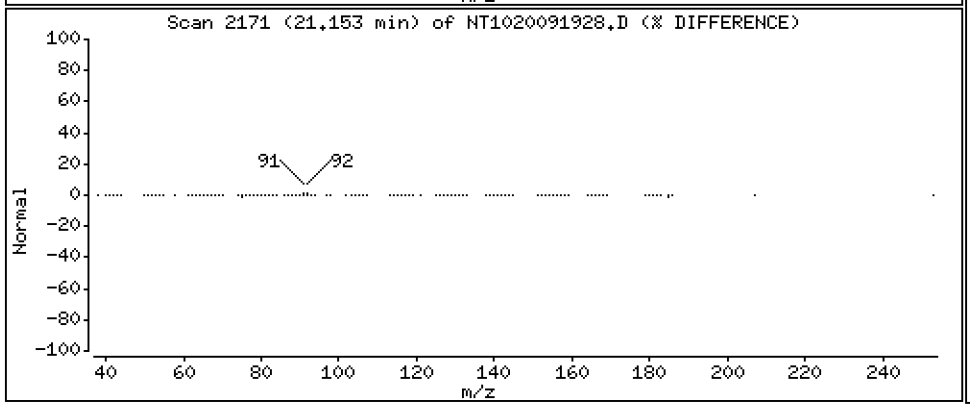
93 Benzidine

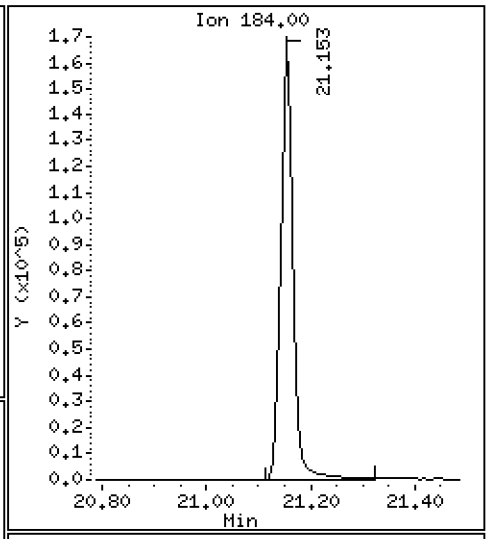
Concentration: 8.371 ug/mL

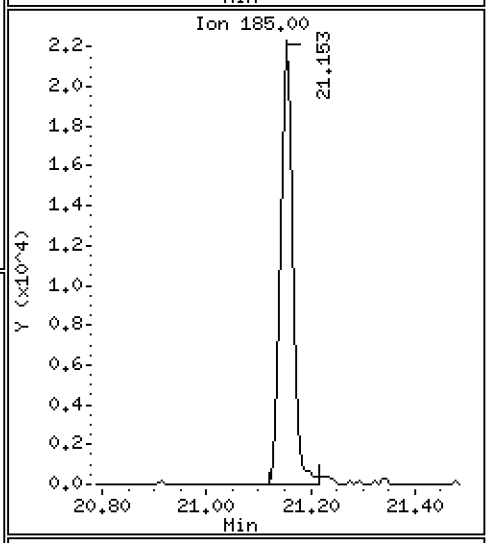


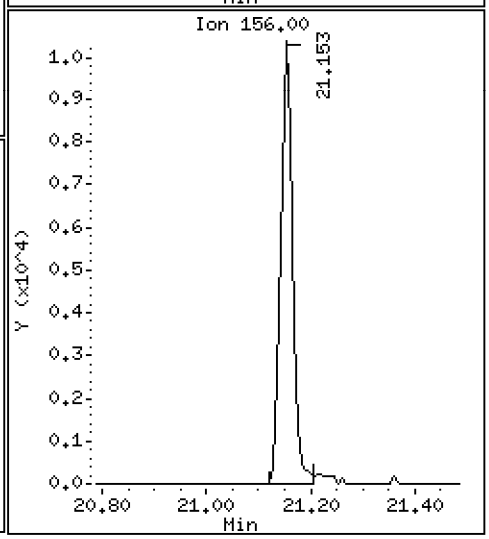












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

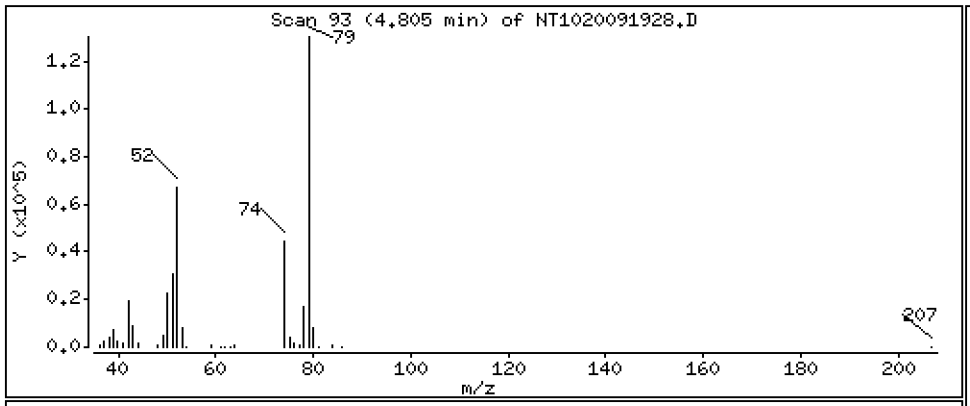
Operator: VTS

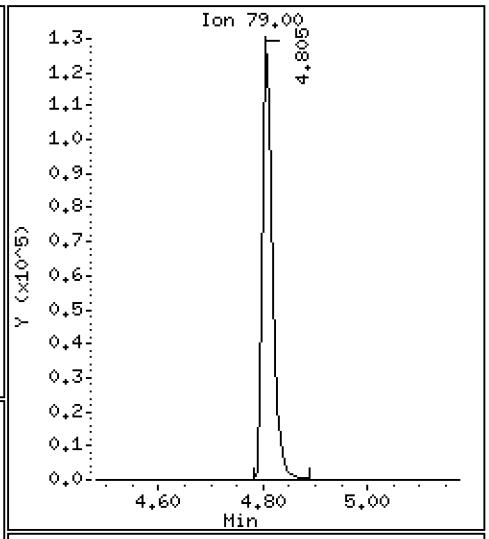
Column phase: ZB-5msi

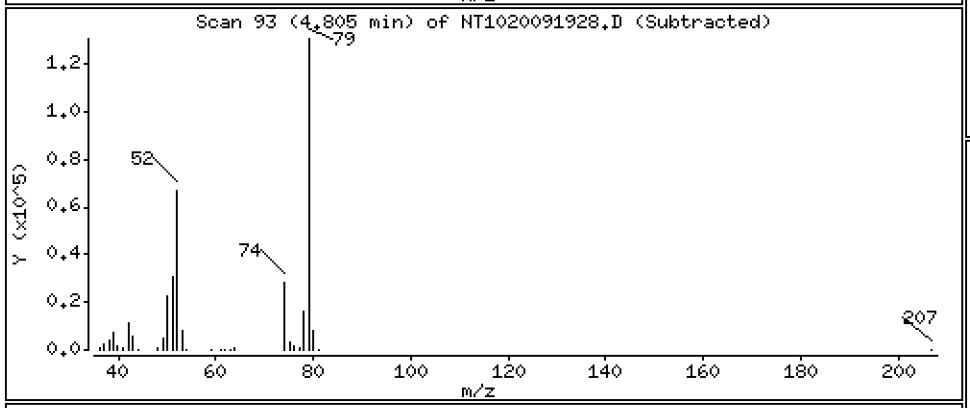
Column diameter: 0.25

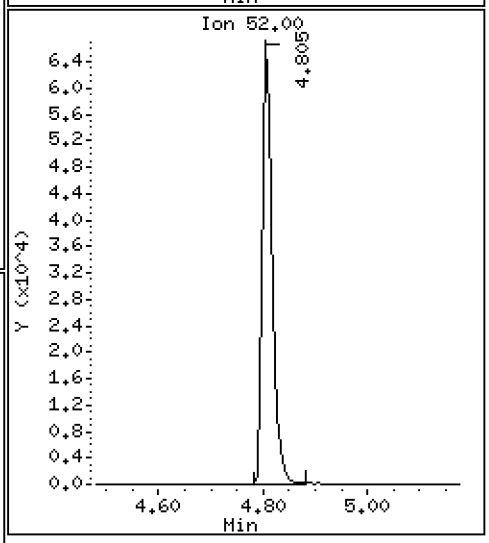
103 Pyridine

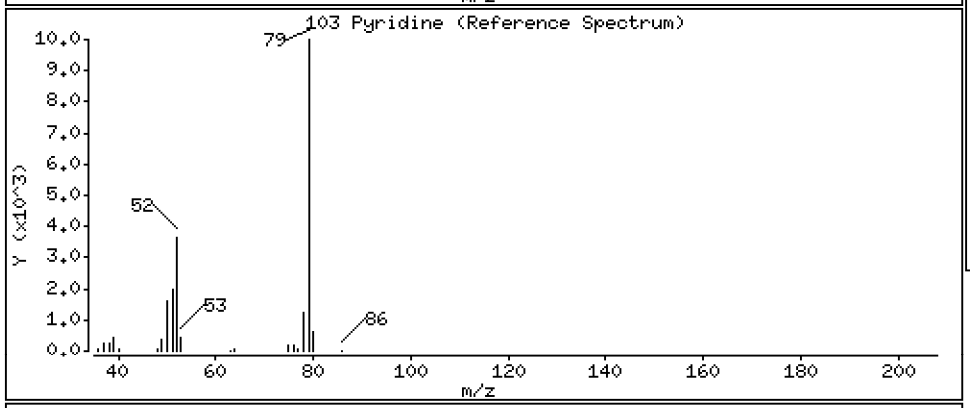
Concentration: 5.590 ug/mL

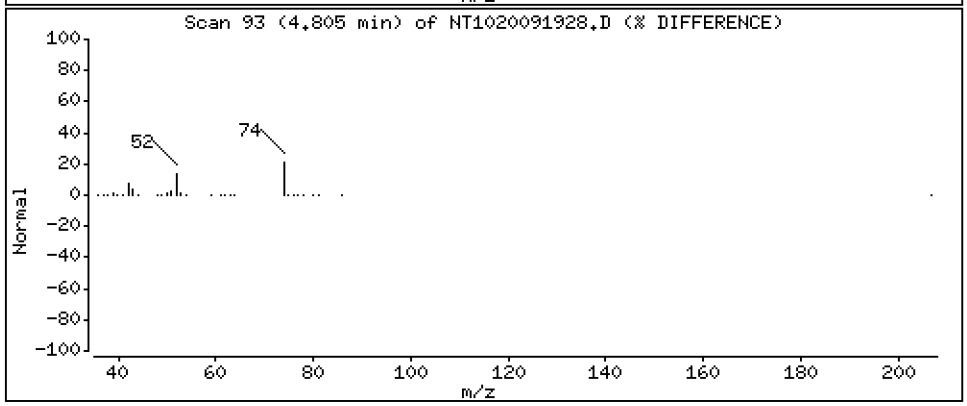












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

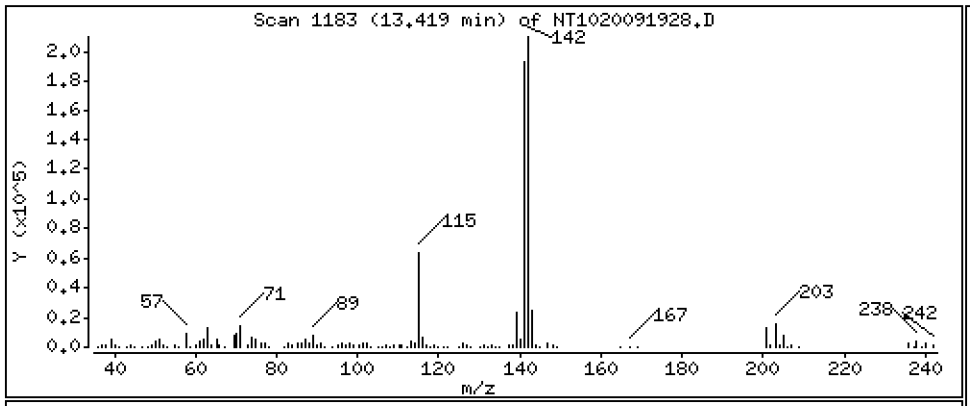
Operator: VTS

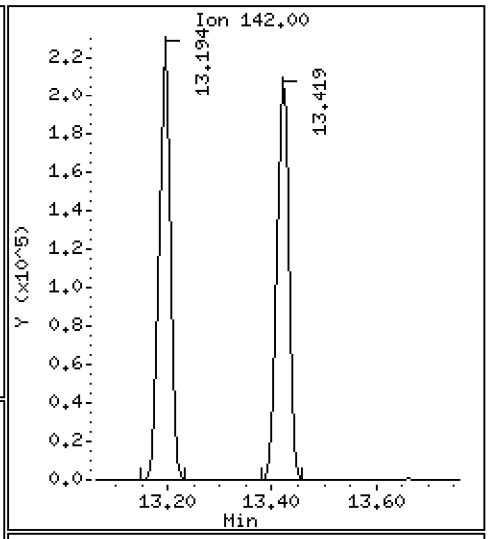
Column phase: ZB-5msi

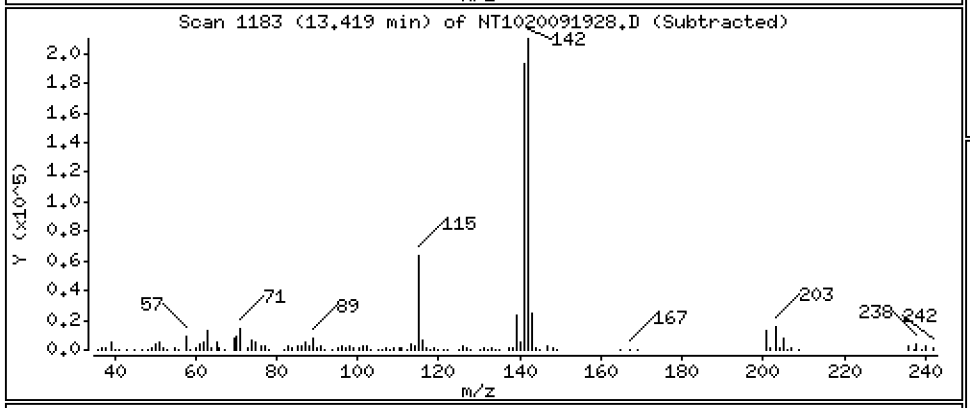
Column diameter: 0.25

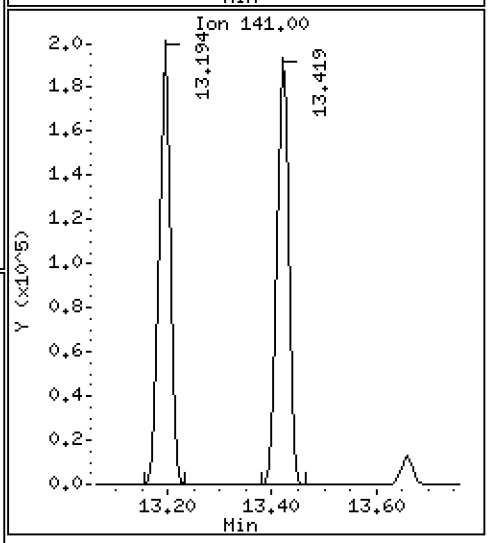
105 1-methylnaphthalene

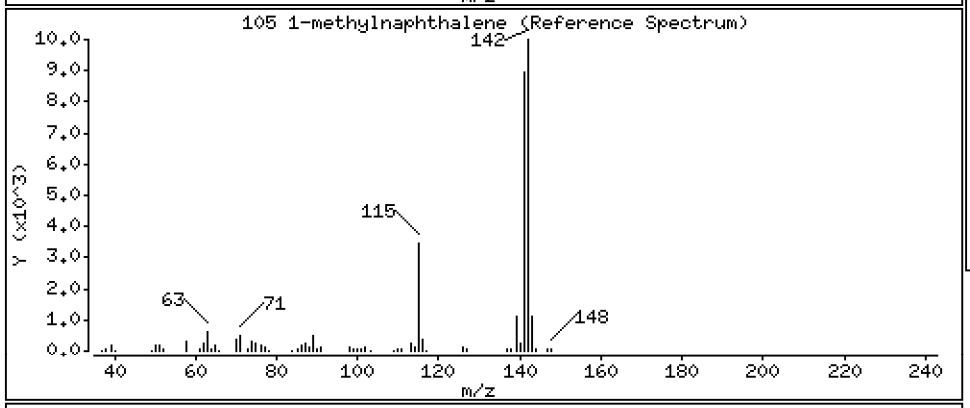
Concentration: 5.031 ug/mL

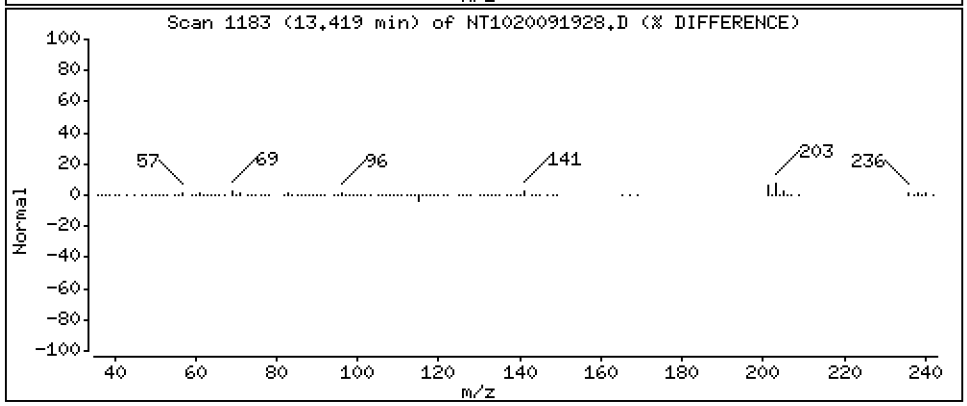












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

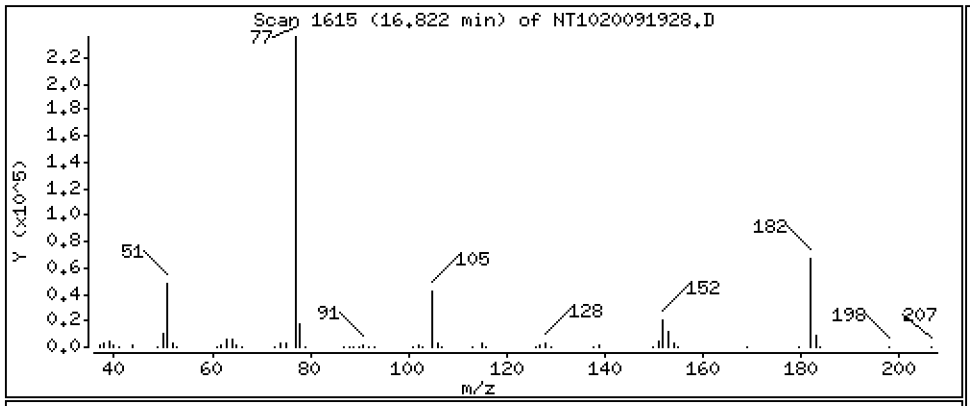
Operator: VTS

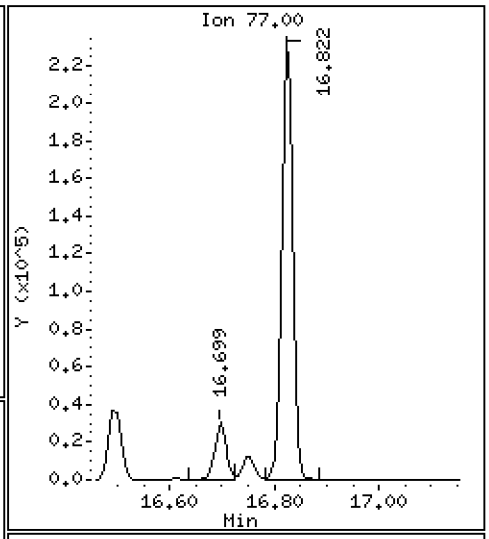
Column phase: ZB-5msi

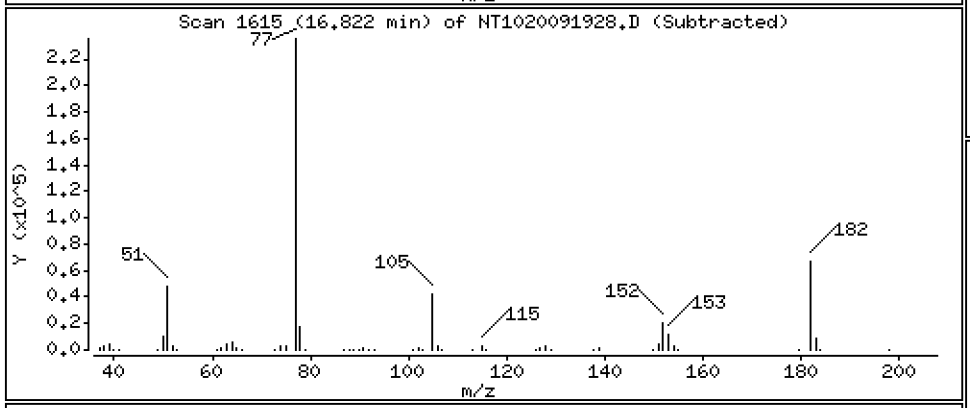
Column diameter: 0.25

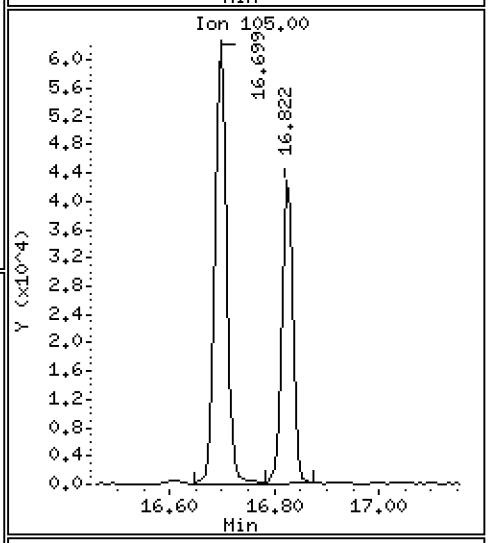
111 Azobenzene (1,2-DP-Hydrazine)

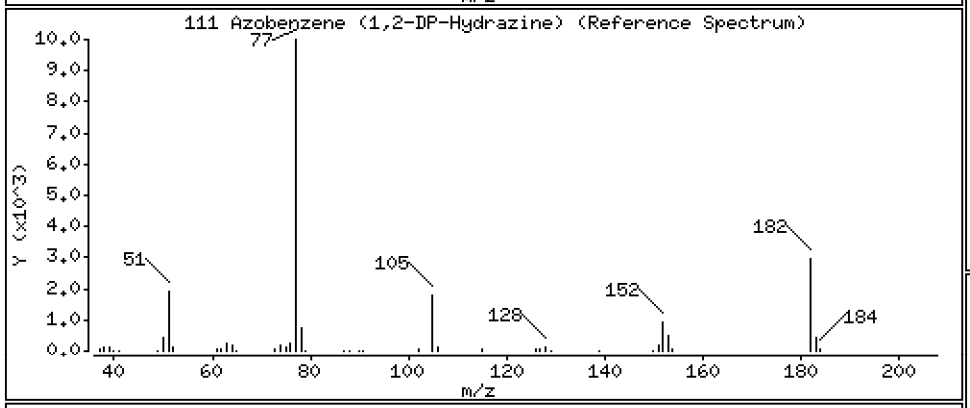
Concentration: 5.171 ug/mL

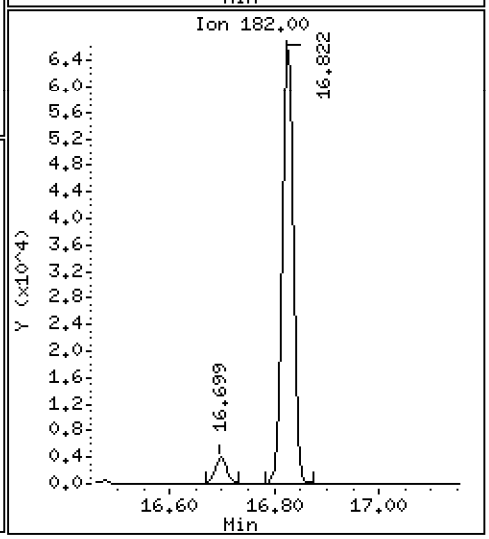


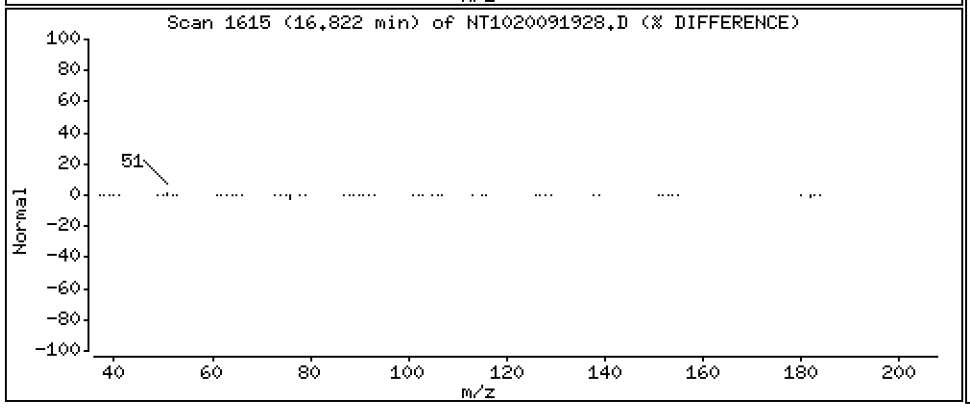












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

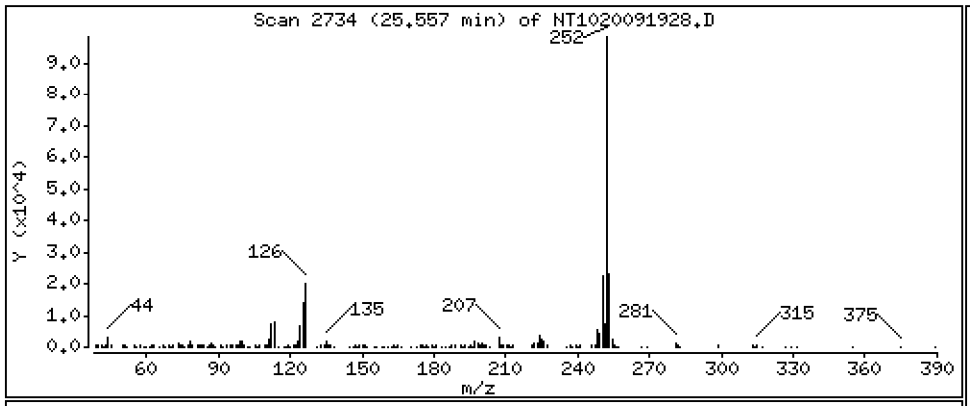
Operator: VTS

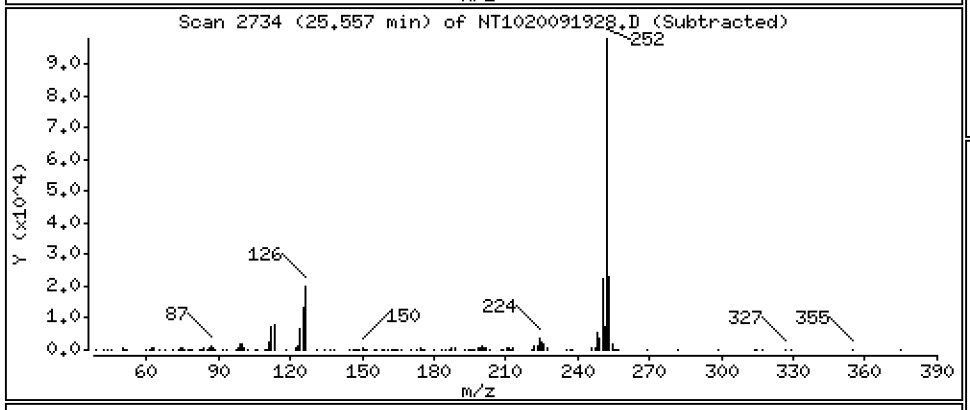
Column phase: ZB-5msi

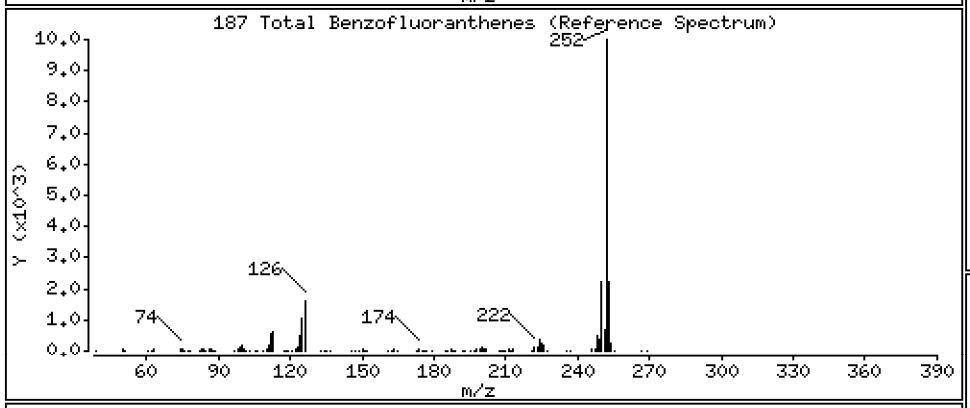
Column diameter: 0.25

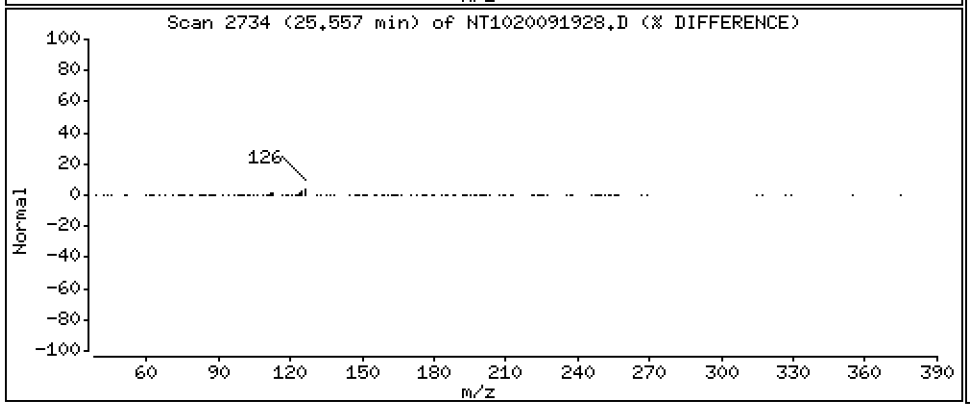
187 Total Benzofluoranthenes

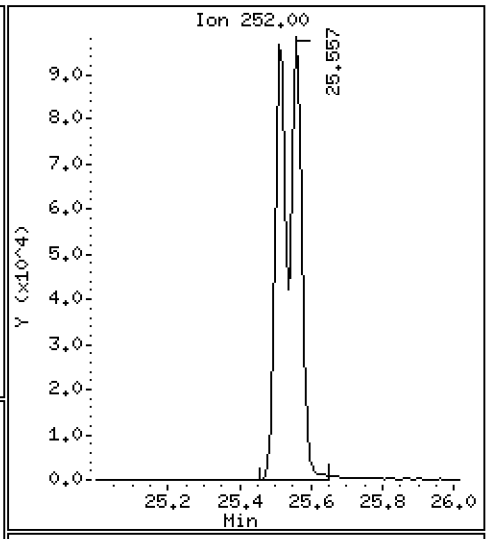
Concentration: 9.871 ug/mL

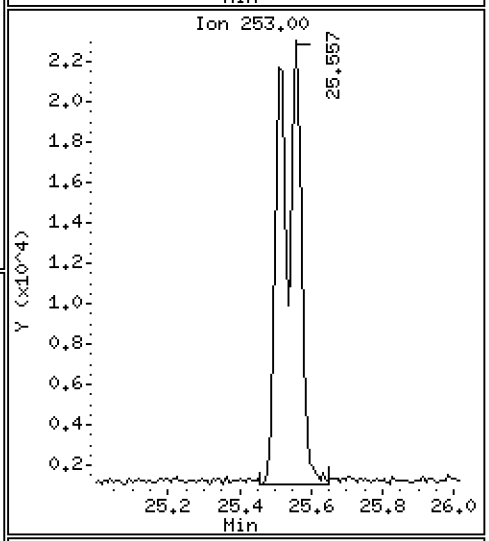


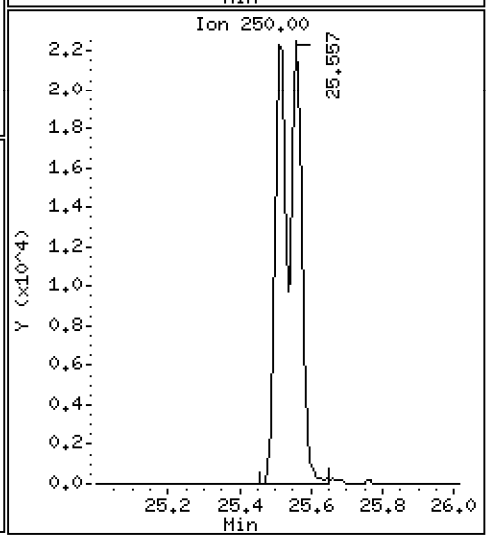












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

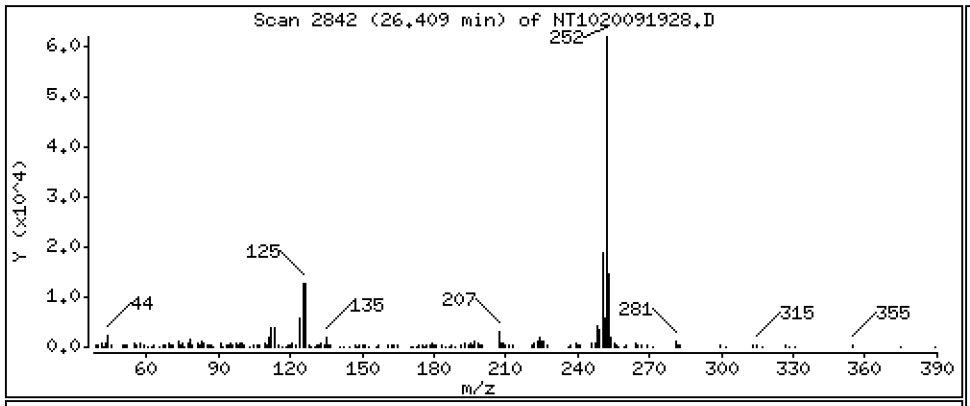
Operator: VTS

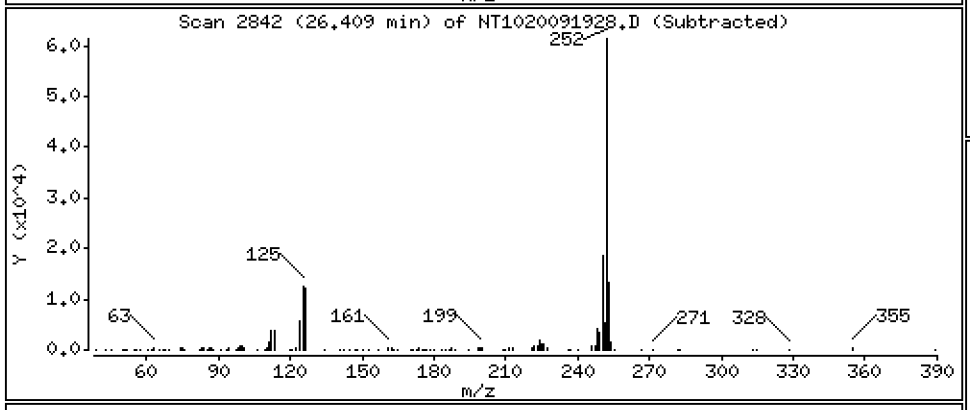
Column phase: ZB-5msi

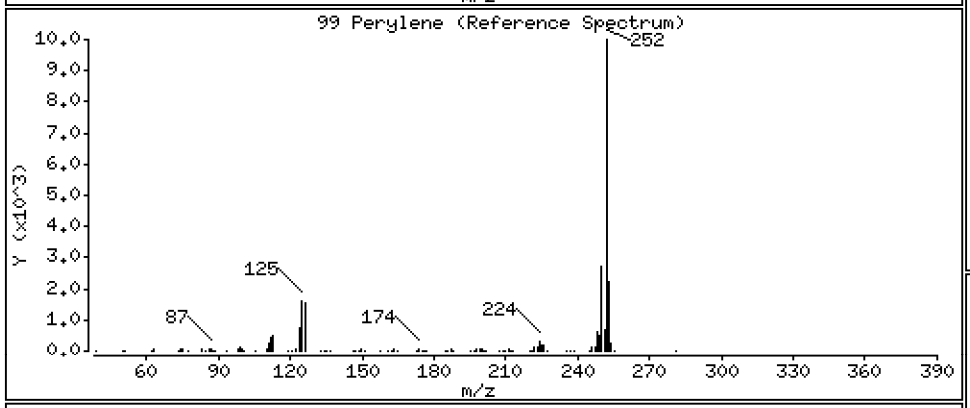
Column diameter: 0.25

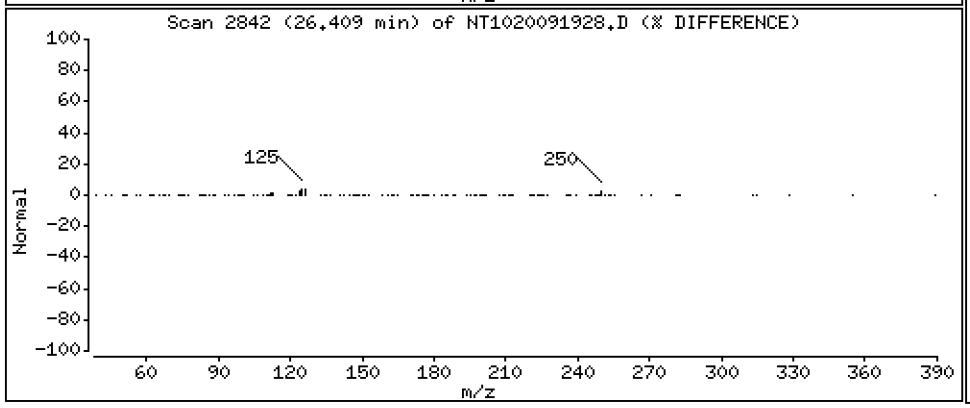
99 Perylene

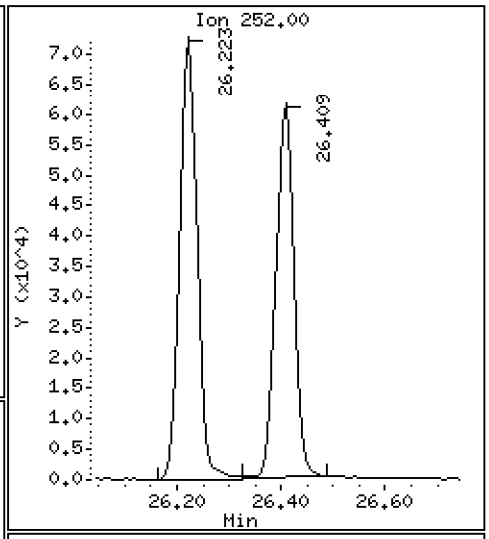
Concentration: 4.982 ug/mL

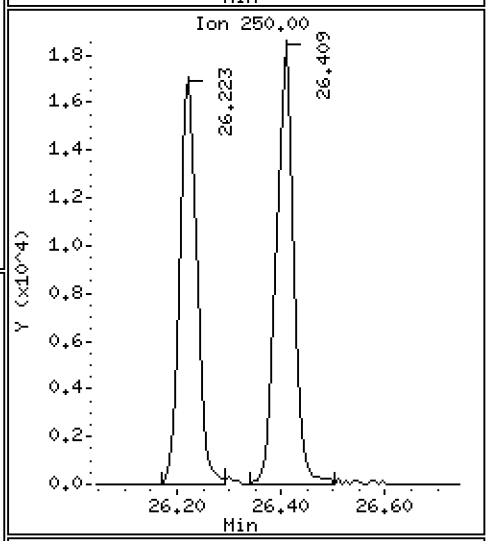


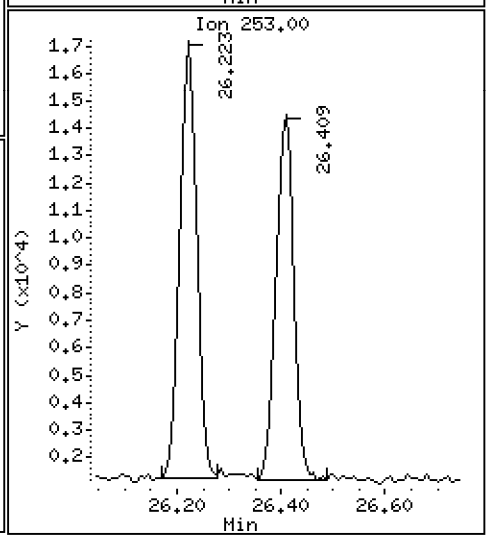












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D

Date : 20-SEP-2020 05:04

Client ID:

Instrument: nt10.i

Sample Info: SII0276-CCV1

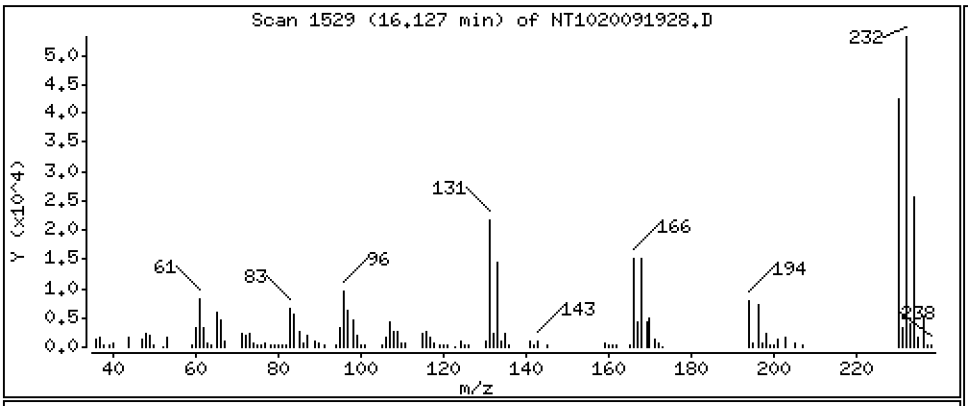
Operator: VTS

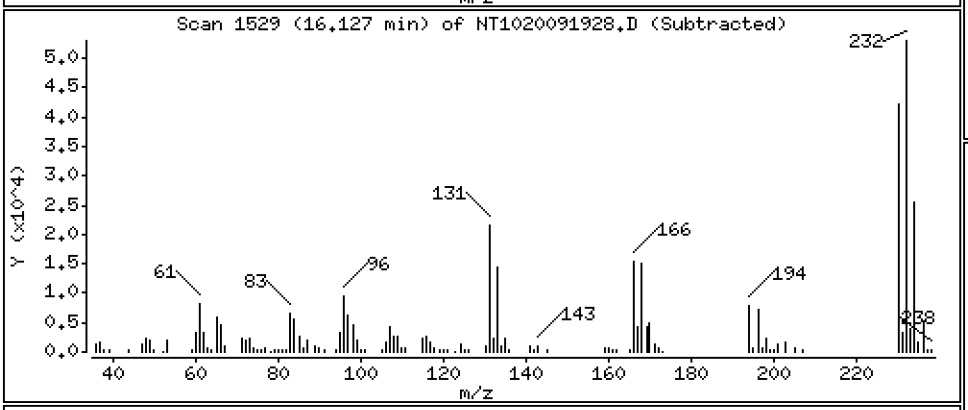
Column phase: ZB-5msi

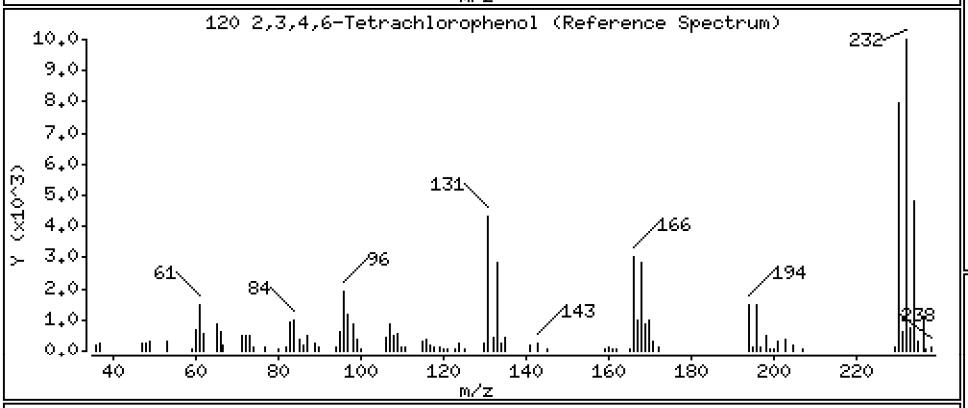
Column diameter: 0.25

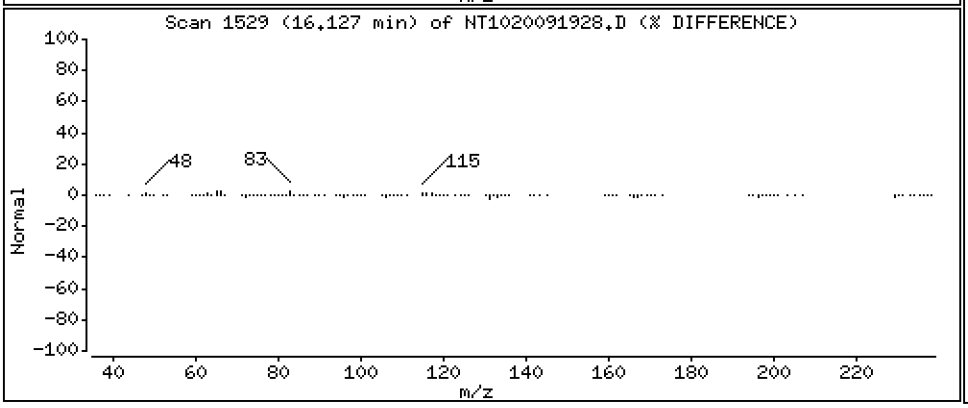
120 2,3,4,6-Tetrachlorophenol

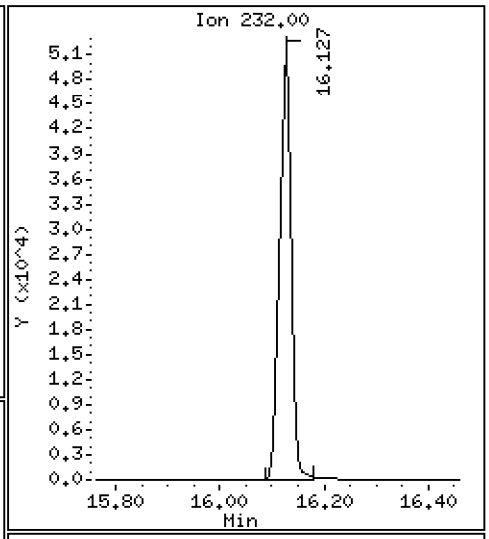
Concentration: 4.628 ug/mL

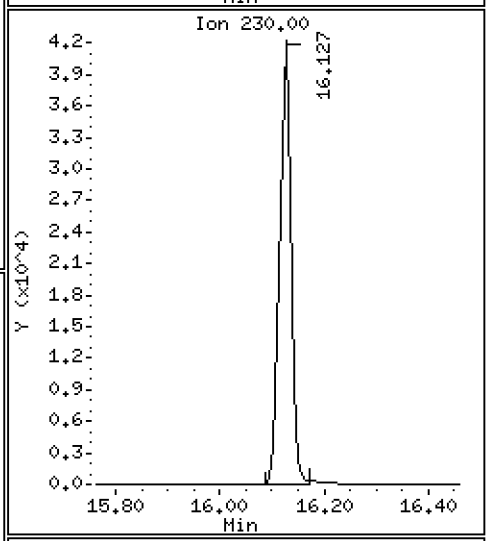


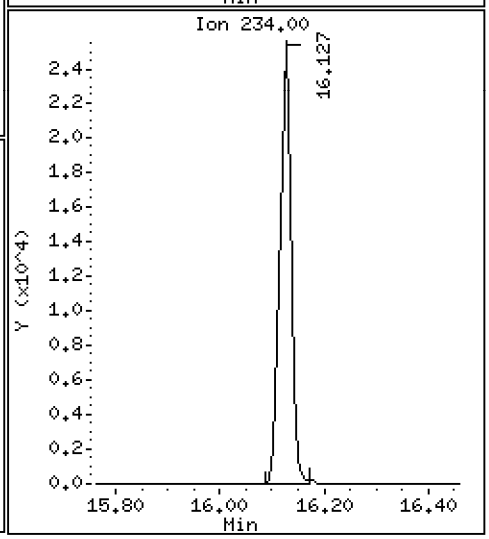












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20200919.b\NT1020091928.D
Lab Smp Id: SII0276-CCV1
Inj Date : 20-SEP-2020 05:04
Operator : VTS Inst ID: nt10.i
Smp Info : SII0276-CCV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Meth Date : 22-Sep-2020 14:56 nt10.i Quant Type: ISTD
Cal Date : 19-SEP-2020 17:51 Cal File: NT1020091910.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1 2-Fluorophenol	112	6.991	6.991	(0.756)	238402	7.86039	7.860
$ 2 Phenol-d5	99	8.590	8.591	(0.929)	339162	7.96302	7.963
3 Phenol	94	8.613	8.614	(0.931)	223304	5.34425	5.344
$ 5 2-Chlorophenol-d4	132	8.884	8.884	(0.961)	236663	7.56418	7.564
4 Bis(2-Chloroethyl)ether	93	8.791	8.791	(0.951)	167593	5.14698	5.147
6 2-Chlorophenol	128	8.907	8.907	(0.963)	168167	4.90852	4.909
7 1,3-Dichlorobenzene	146	9.186	9.186	(0.993)	181469	5.15972	5.160
* 8 1,4-Dichlorobenzene-d4	152	9.248	9.248	(1.000)	82699	4.00000	
9 1,4-Dichlorobenzene	146	9.279	9.279	(1.003)	158699	5.26284	5.263
$ 10 1,2-Dichlorobenzene-d4	152	9.613	9.613	(1.039)	100325	4.94594	4.946
12 1,2-Dichlorobenzene	146	9.636	9.636	(1.042)	163815	5.13767	5.138
11 Benzyl alcohol	108	9.519	9.520	(1.029)	94918	5.22893	5.229
14 2,2'-oxybis(1-Chloropropane)	121	9.822	9.822	(1.062)	55167	5.14669	5.147
13 2-Methylphenol	108	9.737	9.737	(1.053)	137868	5.20654	5.207
17 Hexachloroethane	117	10.234	10.234	(1.107)	67794	5.15908	5.159
16 N-Nitroso-di-n-propylamine	70	10.078	10.079	(1.090)	105291	5.36554	5.366
15 4-Methylphenol	108	10.009	10.009	(1.082)	148461	5.24049	5.240
$ 18 Nitrobenzene-d5	82	10.358	10.358	(0.882)	158561	5.06915	5.069
19 Nitrobenzene	77	10.389	10.389	(0.884)	168138	5.12241	5.122
20 Isophorone	82	10.831	10.839	(0.922)	335556	5.19071	5.191
21 2-Nitrophenol	139	11.019	11.019	(0.938)	98721	5.06683	5.067
22 2,4-Dimethylphenol	107	11.061	11.062	(0.942)	272049	9.80607	9.806
23 Bis(2-Chloroethoxy)methane	93	11.265	11.265	(0.959)	162500	4.79930	4.799
24 Benzoic acid	105	11.240	11.240	(0.957)	331995	17.5280	17.53
25 2,4-Dichlorophenol	162	11.469	11.469	(0.976)	274071	11.0224	11.02
26 1,2,4-Trichlorobenzene	180	11.662	11.663	(0.993)	131660	4.92267	4.923
* 27 Naphthalene-d8	136	11.747	11.755	(1.000)	300579	4.00000	
28 Naphthalene	128	11.794	11.794	(1.004)	401244	5.14891	5.149
29 4-Chloroaniline	127	11.925	11.925	(1.015)	322236	9.97808	9.978
30 Hexachlorobutadiene	225	12.149	12.149	(1.034)	74041	4.94778	4.948
31 4-Chloro-3-methylphenol	107	12.877	12.877	(1.096)	269675	10.1569	10.16
32 2-Methylnaphthalene	142	13.194	13.194	(1.123)	329280	5.07259	5.073
33 Hexachlorocyclopentadiene	237	13.658	13.658	(0.887)	164047	8.43019	8.430

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.821	13.821	(0.898)	195570	10.0634	10.06
	35 2,4,5-Trichlorophenol	196	13.890	13.891	(0.902)	211907	10.0088	10.01
$	36 2-Fluorobiphenyl	172	13.983	13.983	(0.908)	329355	4.88442	4.884
	37 2-Chloronaphthalene	162	14.200	14.200	(0.923)	311042	5.11084	5.111
	38 2-Nitroaniline	65	14.463	14.471	(0.940)	174002	10.9583	10.96
	39 Dimethylphthalate	163	14.897	14.897	(0.968)	294881	4.97865	4.979
	40 Acenaphthylene	152	15.075	15.075	(0.979)	430825	4.85308	4.853
	41 2,6-Dinitrotoluene	165	15.044	15.044	(0.977)	137772	10.1836	10.18
*	42 Acenaphthene-d10	164	15.392	15.392	(1.000)	150784	4.00000	
	43 3-Nitroaniline	138	15.330	15.330	(0.996)	166066	10.6520	10.65
	44 Acenaphthene	153	15.461	15.462	(1.005)	254565	5.02587	5.026
	45 2,4-Dinitrophenol	184	15.539	15.539	(1.010)	145431	16.3483	16.35
	46 Dibenzofuran	168	15.786	15.786	(1.026)	370201	5.00261	5.003
	47 4-Nitrophenol	109	15.631	15.632	(1.016)	51872	9.98704	9.987
	48 2,4-Dinitrotoluene	165	15.856	15.856	(1.030)	186799	10.4322	10.43
	50 Diethylphthalate	149	16.358	16.366	(1.063)	277038	5.11497	5.115
	49 Fluorene	166	16.505	16.513	(1.072)	298709	4.87342	4.873
	51 4-Chlorophenyl-phenylether	204	16.497	16.498	(1.072)	145123	4.90475	4.905
	52 4-Nitroaniline	138	16.614	16.614	(1.079)	163119	10.4762	10.48
	53 4,6-Dinitro-2-methylphenol	198	16.699	16.699	(0.905)	291305	22.4864	22.49
	54 N-Nitrosodiphenylamine	169	16.753	16.753	(0.908)	180024	5.07535	5.075
$	55 2,4,6-Tribromophenol	330	17.046	17.053	(1.107)	75771	7.17177	7.172
	56 4-Bromophenyl-phenylether	248	17.516	17.508	(0.949)	126748	5.26478	5.265
	57 Hexachlorobenzene	284	17.833	17.833	(0.966)	116024	4.89876	4.899
	58 Pentachlorophenol	266	18.189	18.189	(0.985)	91001	9.28704	9.287
*	59 Phenanthrene-d10	188	18.460	18.460	(1.000)	273197	4.00000	
	60 Phenanthrene	178	18.514	18.514	(1.003)	360427	5.00299	5.003
	61 Anthracene	178	18.607	18.607	(1.008)	385125	4.97334	4.973
	62 Carbazole	167	18.939	18.939	(1.026)	387560	4.96027	4.960
	63 Di-n-butylphthalate	149	19.728	19.736	(1.069)	520451	5.17442	5.174
	64 Fluoranthene	202	20.912	20.912	(0.888)	442420	5.55163	5.552
	65 Pyrene	202	21.338	21.338	(0.906)	445224	5.49986	5.500
$	66 Terphenyl-d14	244	21.624	21.624	(0.918)	299995	5.55072	5.551
	67 Butylbenzylphthalate	149	22.561	22.561	(0.958)	163638	5.62945	5.629
	68 Benzo(a)anthracene	228	23.521	23.529	(0.999)	279061	4.89927	4.899
*	69 Chrysene-d12	240	23.552	23.552	(1.000)	147033	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.482	23.490	(0.997)	317700	15.3070	15.31
	71 Chrysene	228	23.598	23.599	(1.002)	229979	5.02920	5.029
	72 bis(2-Ethylhexyl)phthalate	149	23.598	23.599	(0.958)	191147	5.40698	5.407
*	134 Di-n-octylphthalate-d4	153	24.620	24.628	(1.000)	250068	4.00000	
	73 Di-n-octylphthalate	149	24.636	24.636	(1.001)	325229	5.00039	5.000
	74 Benzo(b)fluoranthene	252	25.511	25.518	(0.968)	192602	4.74574	4.746
	75 Benzo(k)fluoranthene	252	25.557	25.565	(0.970)	214920	5.26285	5.263
	76 Benzo(a)pyrene	252	26.223	26.223	(0.995)	168065	4.97768	4.978
*	77 Perylene-d12	264	26.347	26.355	(1.000)	106988	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	29.246	29.238	(1.110)	141603	5.06530	5.065
	79 Dibenzo(a,h)anthracene	278	29.261	29.261	(1.111)	116862	5.13716	5.137
	80 Benzo(g,h,i)perylene	276	30.100	30.100	(1.142)	113896	4.96815	4.968
	90 N-Nitrosodimethylamine	74	4.789	4.797	(0.518)	248377	11.3524	11.35
	91 Aniline	93	8.706	8.706	(0.941)	308752	10.4577	10.46
	93 Benzidine	184	21.152	21.152	(0.898)	270232	8.37076	8.371
	103 Pyridine	79	4.805	4.813	(0.520)	180806	5.58985	5.590
	105 1-methylnaphthalene	142	13.418	13.426	(1.142)	315227	5.03130	5.031
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.822	16.822	(1.093)	354809	5.17087	5.171

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.557	25.565	(0.970)	389446	9.87137	9.871
99 Perylene	252	26.409	26.409	(1.002)	148296	4.98219	4.982
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	16.126	16.126	(1.048)	77433	4.62839	4.628

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020091928.D
Lab Smp Id: SII0276-CCV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Misc Info:

Calibration Date: 19-SEP-2020
Calibration Time: 19:43
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	93146	46573	186292	82699	-11.22
27 Naphthalene-d8	324935	162468	649870	300579	-7.50
42 Acenaphthene-d10	169115	84558	338230	150784	-10.84
59 Phenanthrene-d10	313093	156547	626186	273197	-12.74
69 Chrysene-d12	201743	100872	403486	147033	-27.12
134 Di-n-octylphthala	311473	155737	622946	250068	-19.71
77 Perylene-d12	150159	75080	300318	106988	-28.75

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.25	8.75	9.75	9.25	-0.00
27 Naphthalene-d8	11.76	11.26	12.26	11.75	-0.07
42 Acenaphthene-d10	15.39	14.89	15.89	15.39	-0.00
59 Phenanthrene-d10	18.46	17.96	18.96	18.46	-0.00
69 Chrysene-d12	23.55	23.05	24.05	23.55	-0.00
134 Di-n-octylphthala	24.63	24.13	25.13	24.62	-0.03
77 Perylene-d12	26.36	25.86	26.86	26.35	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020091928.D

Lab ID: SII0276-CCV1
nt10.i, ABN.m, 20-SEP-2020 05:04

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.957	0.949	0.0080	Benzoic acid

RRT check based on Ccal File: NT1020091910.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Analytical Resources, Incorporated
Analytical Chemists and Consultants

SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Instrument ID:	NT10	Calibration:	DI00063
Lab File ID:	NT1020091911.D	Calibration Date:	09/22/2020
Sequence:	SII0276	Injection Date:	09/19/20
Lab Sample ID:	SII0276-SCV1	Injection Time:	18:28
Sequence Name:	SCV 5.0		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	5.0000	5.1	2.0210150	2.0414130		1.0	+/-20
4-Methylphenol	A	5.0000	4.8	1.3702510	1.3216840		-3.5	+/-20
Naphthalene	A	5.0000	4.9	1.0370380	1.0072440		-2.9	+/-20
2-Methylnaphthalene	A	5.0000	5.1	0.8638465	0.8781034		1.7	+/-20
Acenaphthylene	A	5.0000	4.6	2.3549840	2.1674450		-8.0	+/-20
Dimethylphthalate	A	5.0000	4.7	1.5712320	1.4723080		-6.3	+/-20
Acenaphthene	A	5.0000	4.5	1.3436690	1.2136720		-9.7	+/-20
Dibenzofuran	A	5.0000	4.9	1.9631150	1.9259300		-1.9	+/-20
Fluorene	A	5.0000	4.5	1.6259940	1.4608480		-10.2	+/-20
Phenanthrene	A	5.0000	4.9	1.0548050	1.0326270		-2.1	+/-20
Anthracene	A	5.0000	4.7	1.1338030	1.0669790		-5.9	+/-20
Fluoranthene	A	5.0000	4.5	2.1679990	1.9640920		-9.4	+/-20
Pyrene	A	5.0000	4.7	2.2022770	2.0770330		-5.7	+/-20
Butylbenzylphthalate	A	5.0000	4.8	0.7907942	0.7610620		-3.8	+/-20
Benzo(a)anthracene	A	5.0000	4.7	1.5495780	1.4649450		-5.5	+/-20
Chrysene	A	5.0000	4.8	1.2440400	1.1919360		-4.2	+/-20
bis(2-Ethylhexyl)phthalate	A	5.0000	4.7	0.5654770	0.5350555		-5.4	+/-20
Benzofluoranthenes, Total	A	10.000	10.1	1.4750090	1.4867760		0.8	+/-20
Benzo(a)pyrene	A	5.0000	5.2	1.2623370	1.3247250		4.9	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	5.1	1.0451830	1.0559920		1.0	+/-20
Dibenzo(a,h)anthracene	A	5.0000	5.0	0.8505023	0.8496464		-0.1	+/-20
Benzo(g,h,i)perylene	A	5.0000	4.8	0.8571136	0.8310197		-3.0	+/-20

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Page 1

Date : 19-SEP-2020 18:28

Client ID:

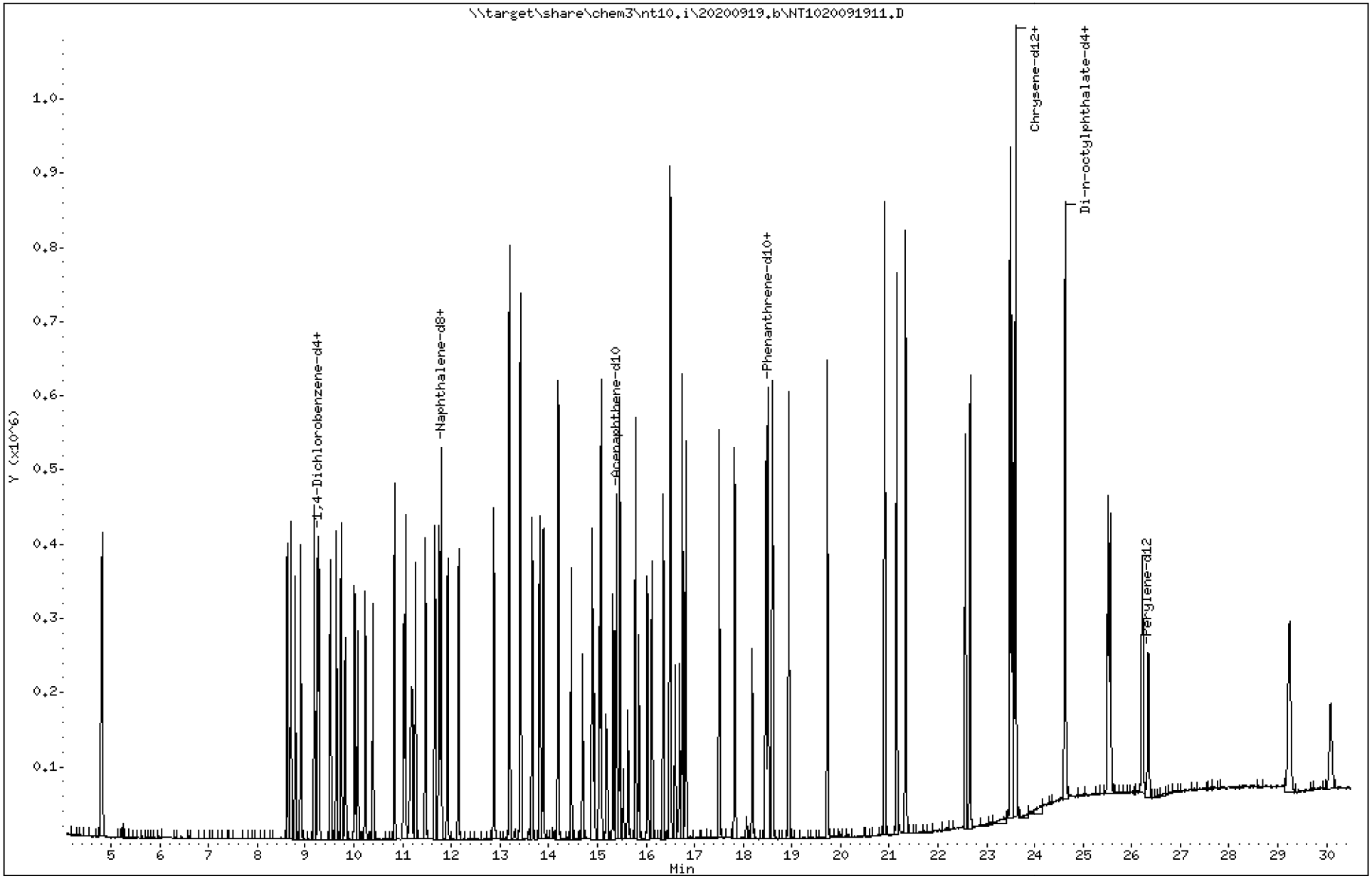
Instrument: nt10.i

Sample Info: SII0276-SCV1

Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25



Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

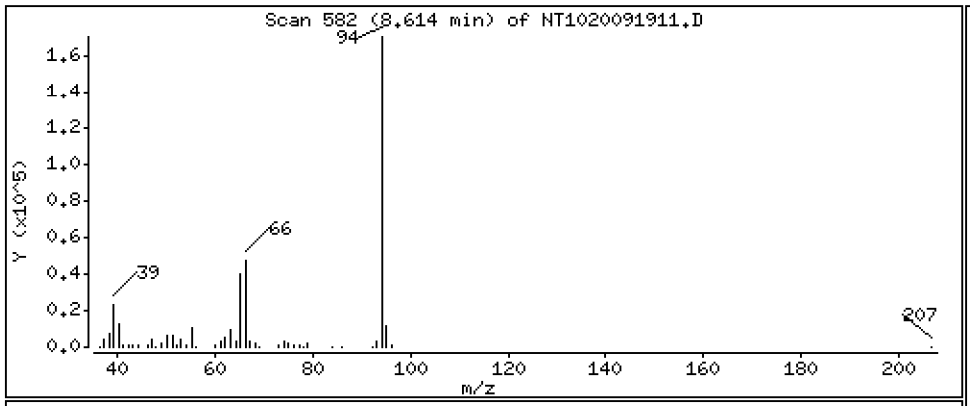
Client ID: Instrument: nt10.i

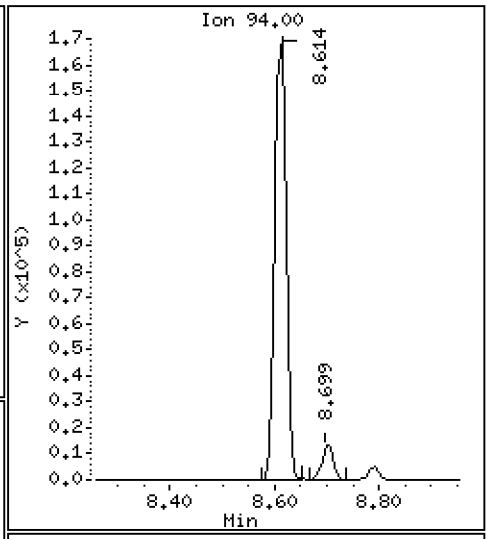
Sample Info: SII0276-SCV1

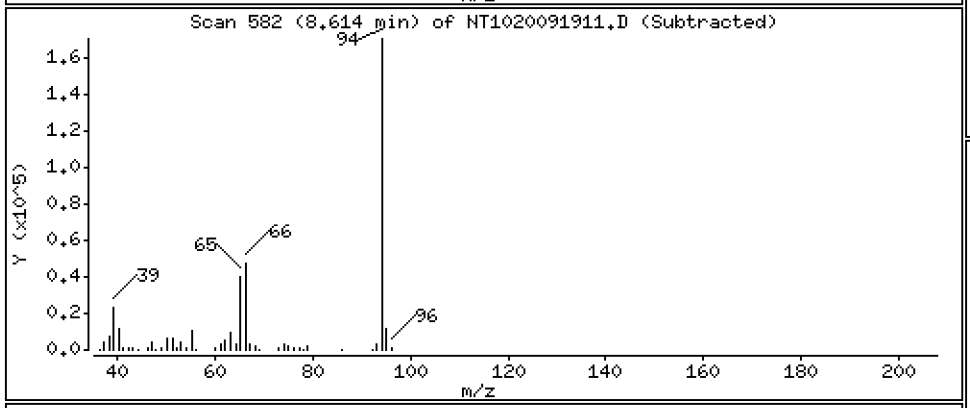
Operator: VTS

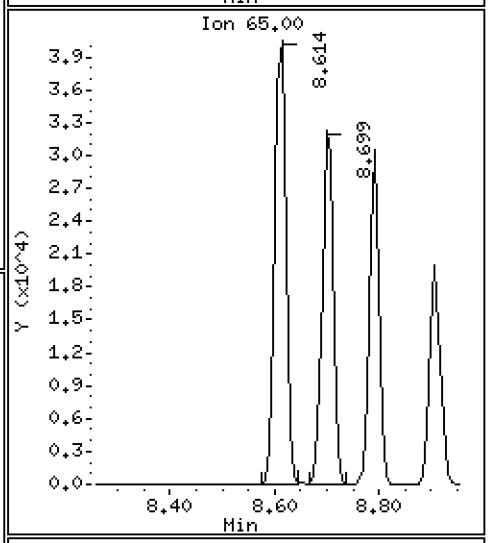
Column phase: ZB-5msi Column diameter: 0.25

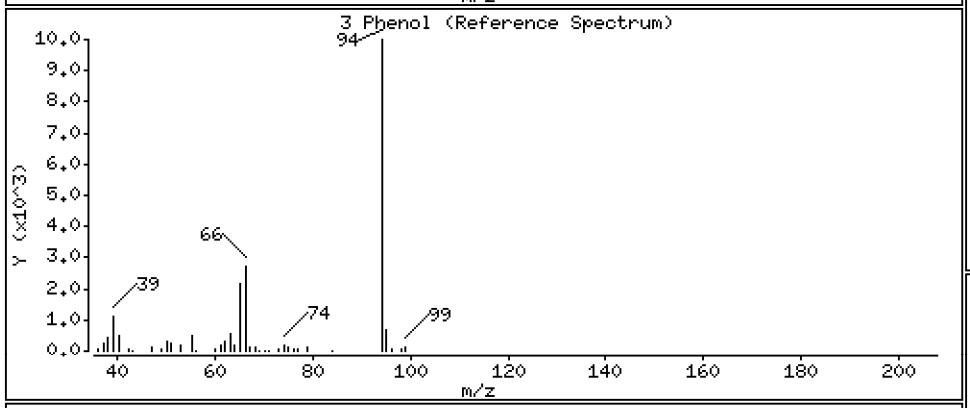
3 Phenol Concentration: 5.050 ug/mL

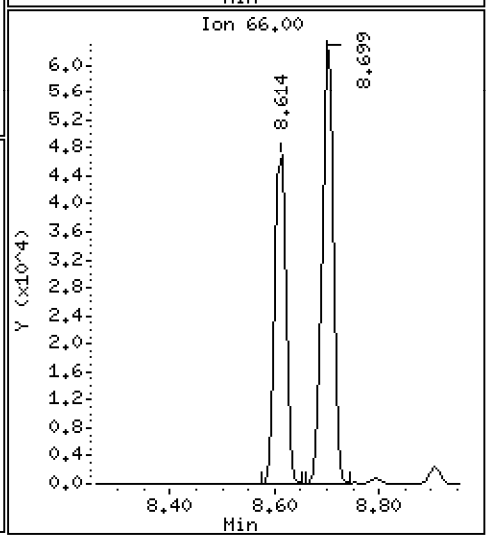


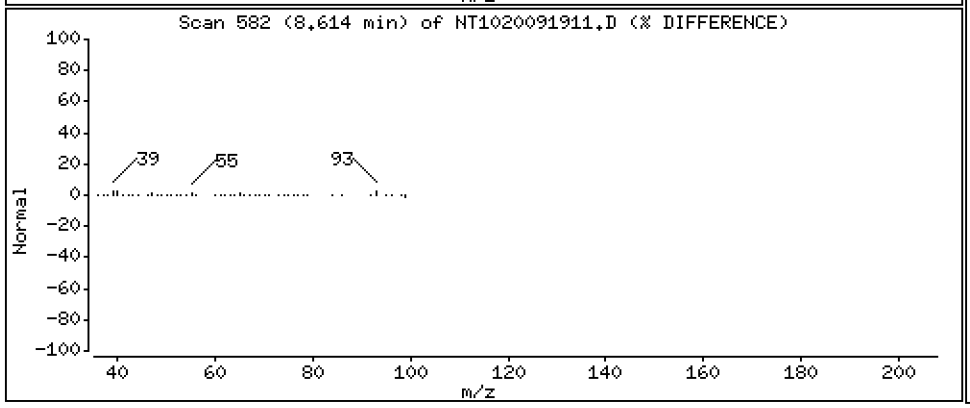












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

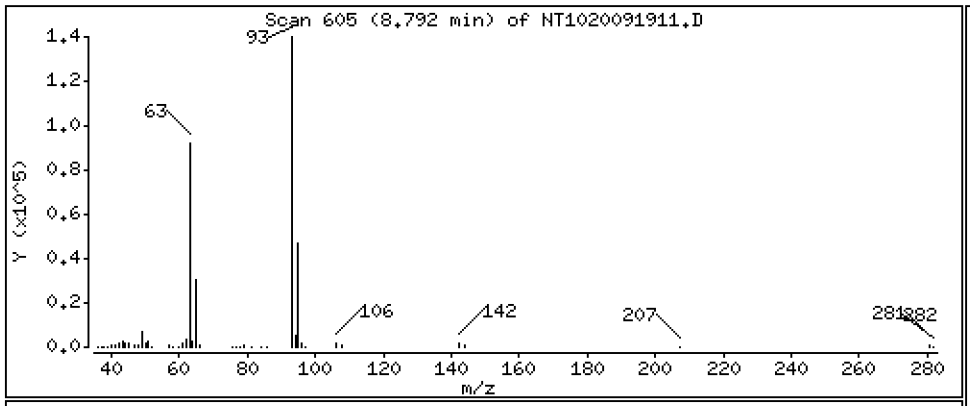
Operator: VTS

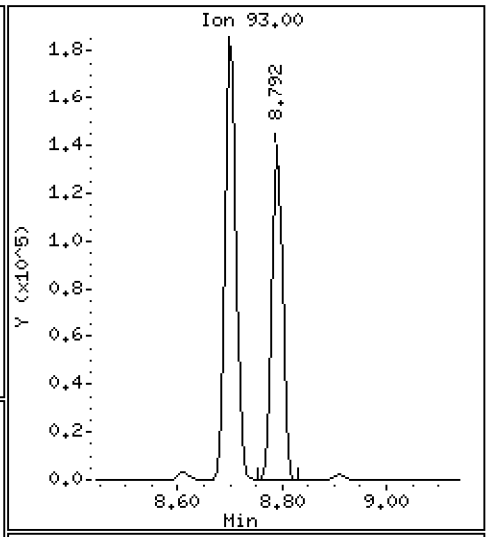
Column phase: ZB-5msi

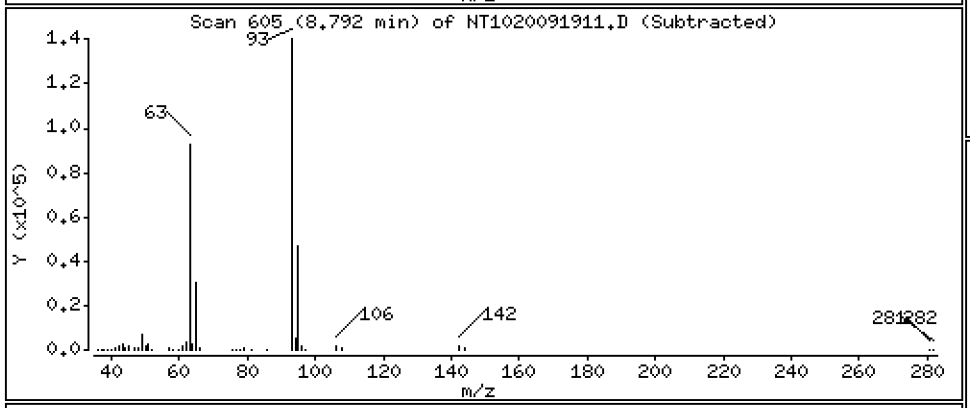
Column diameter: 0.25

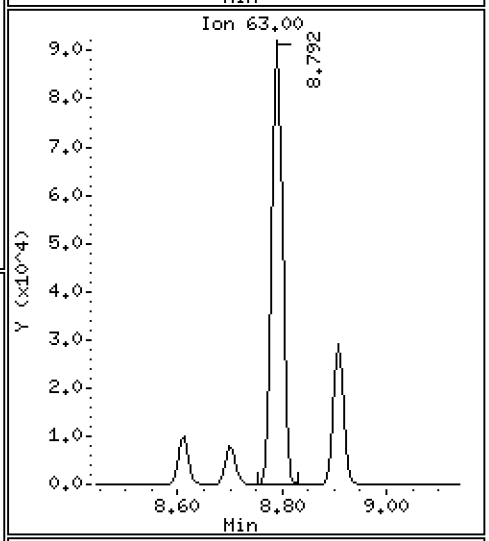
4 Bis(2-Chloroethyl)ether

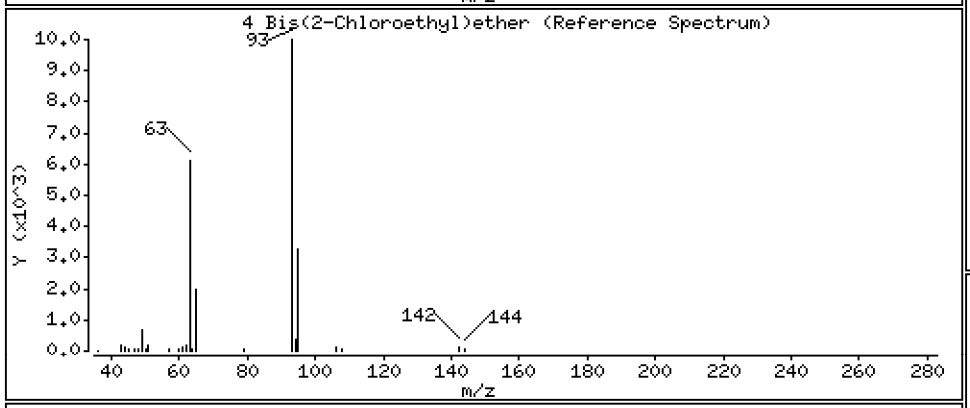
Concentration: 4.977 ug/mL

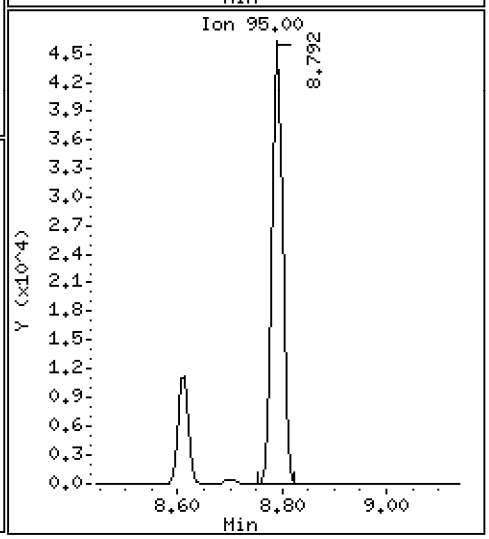


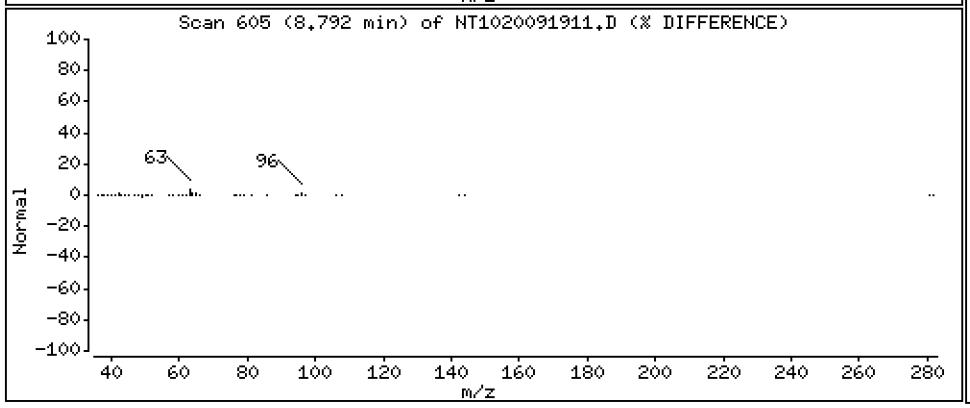












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

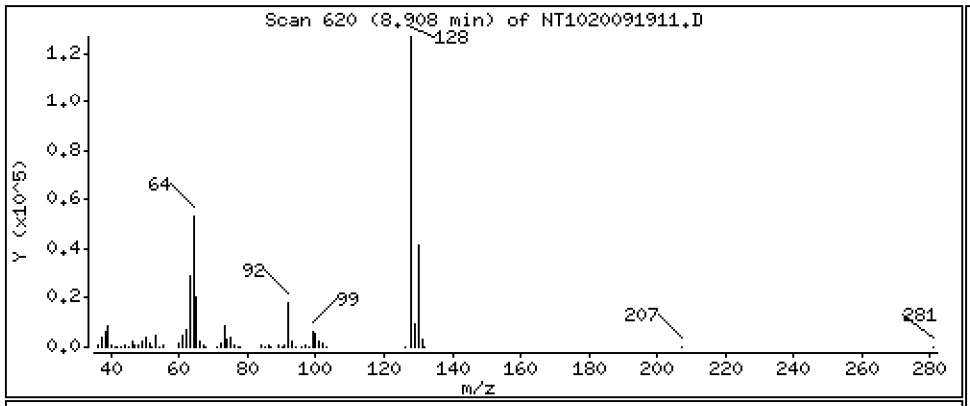
Operator: VTS

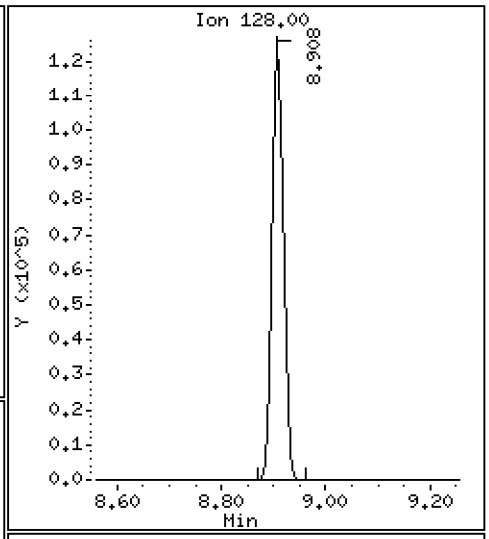
Column phase: ZB-5msi

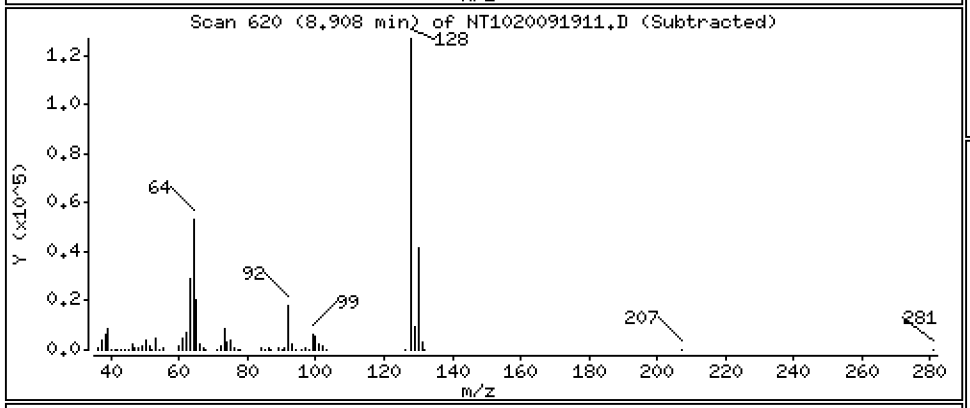
Column diameter: 0.25

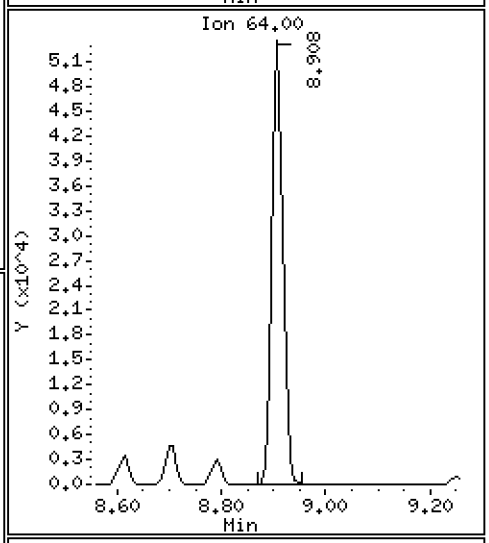
6 2-Chlorophenol

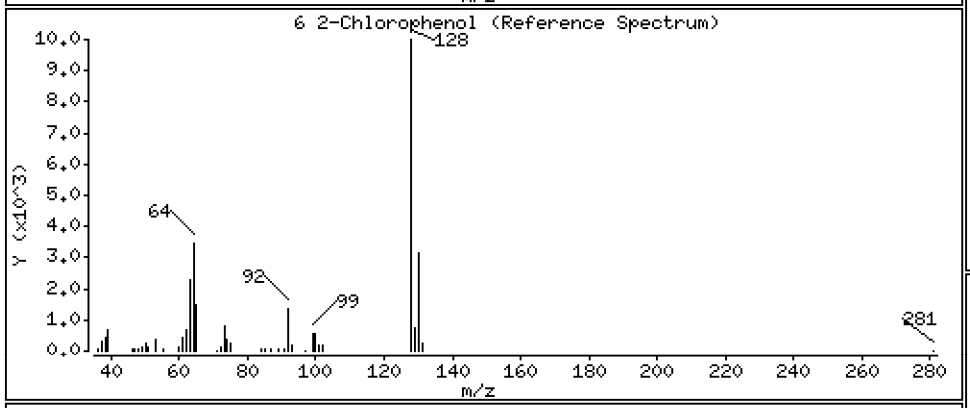
Concentration: 4.687 ug/mL

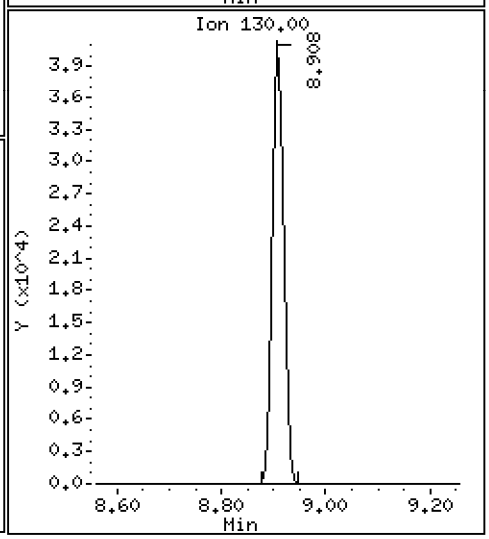


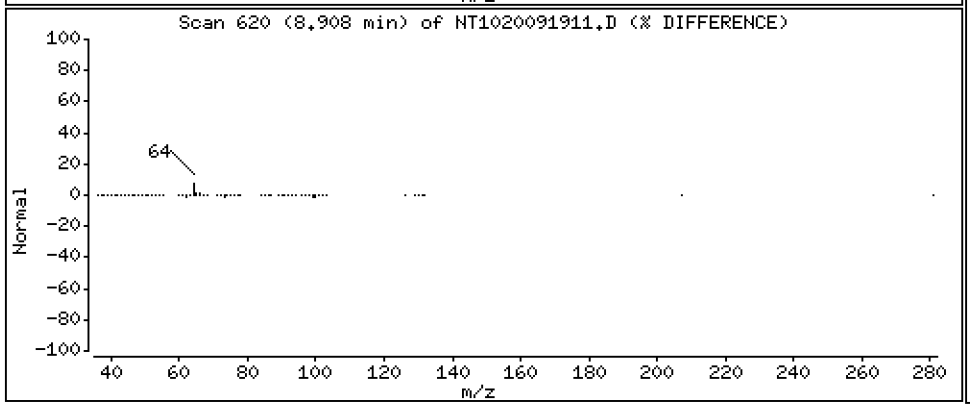












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

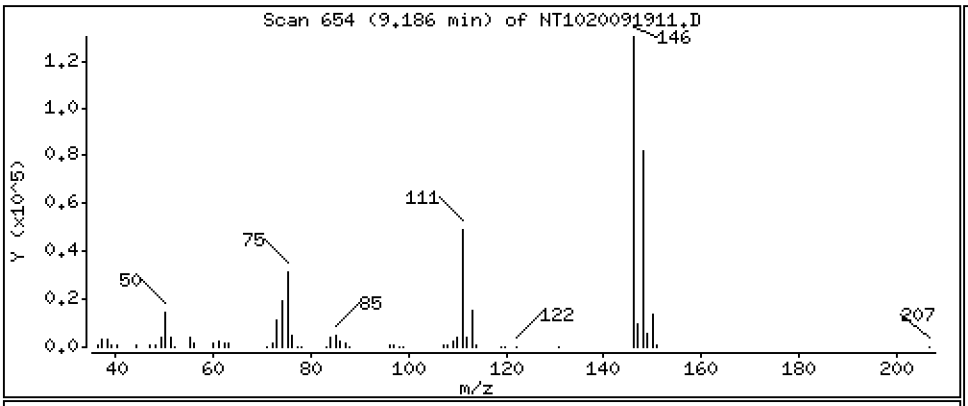
Operator: VTS

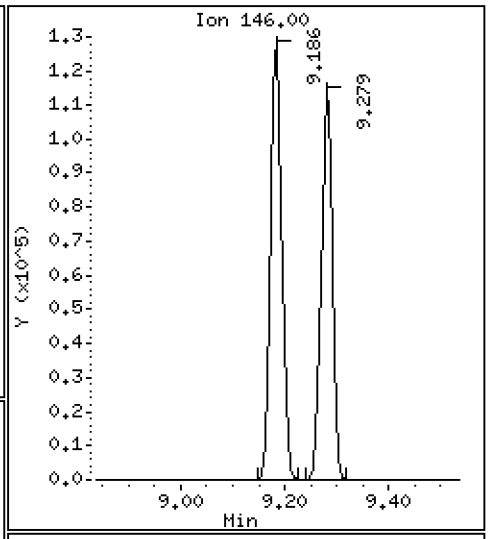
Column phase: ZB-5msi

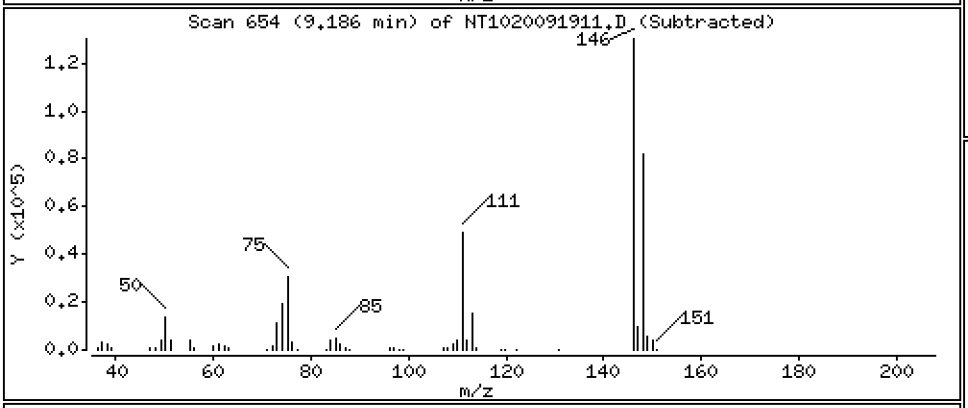
Column diameter: 0.25

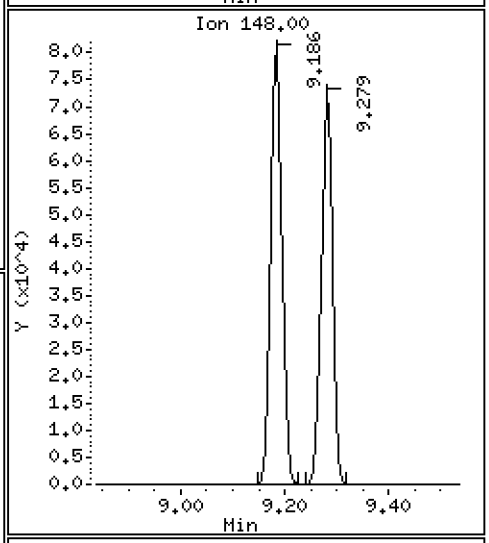
7 1,3-Dichlorobenzene

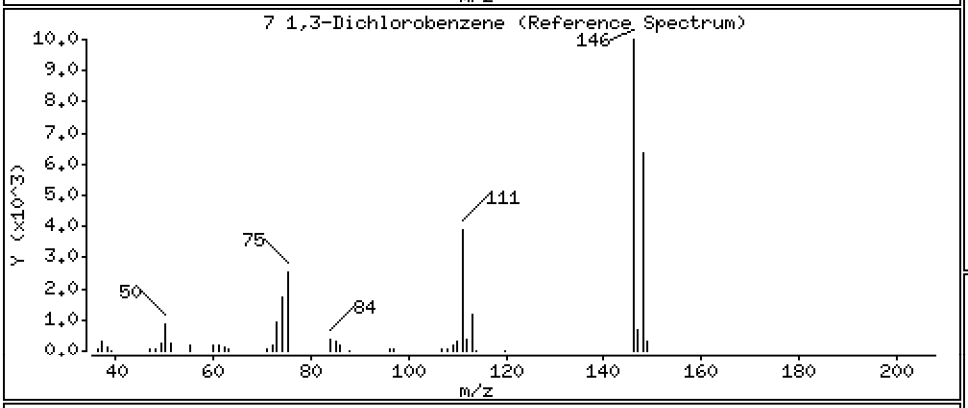
Concentration: 4.772 ug/mL

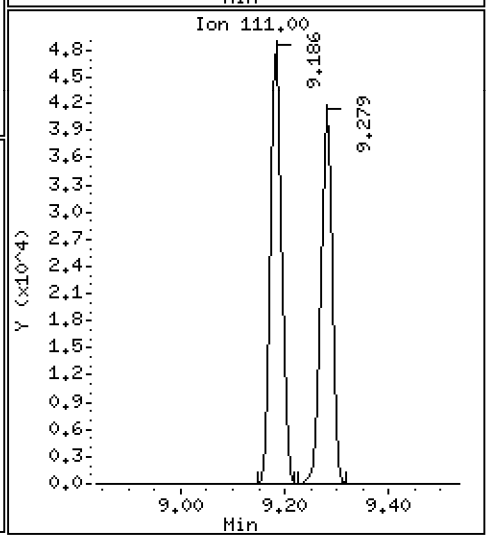


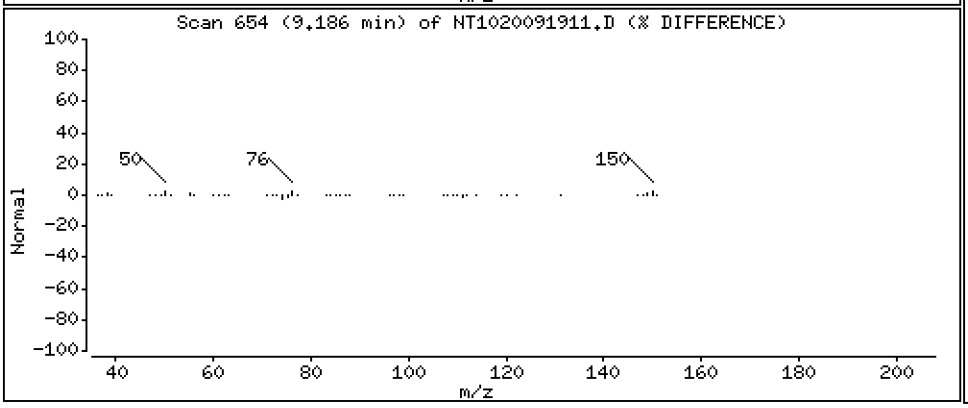












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

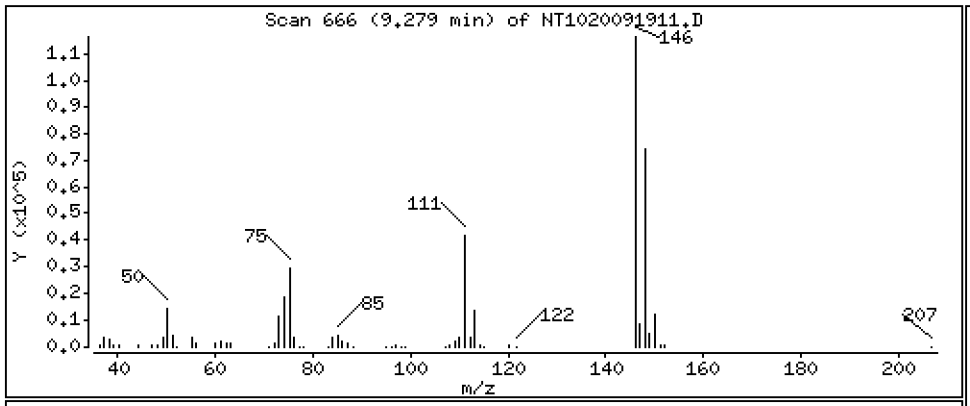
Operator: VTS

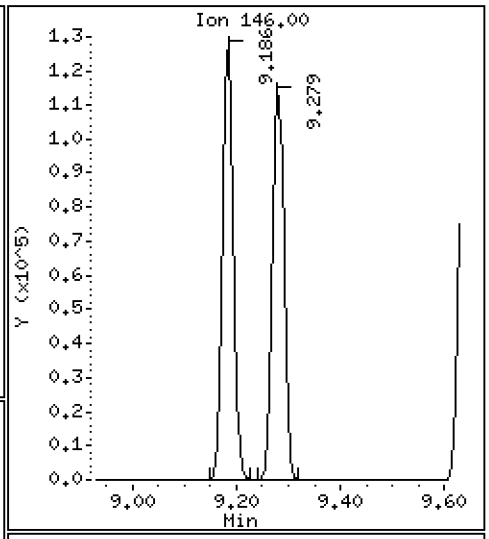
Column phase: ZB-5msi

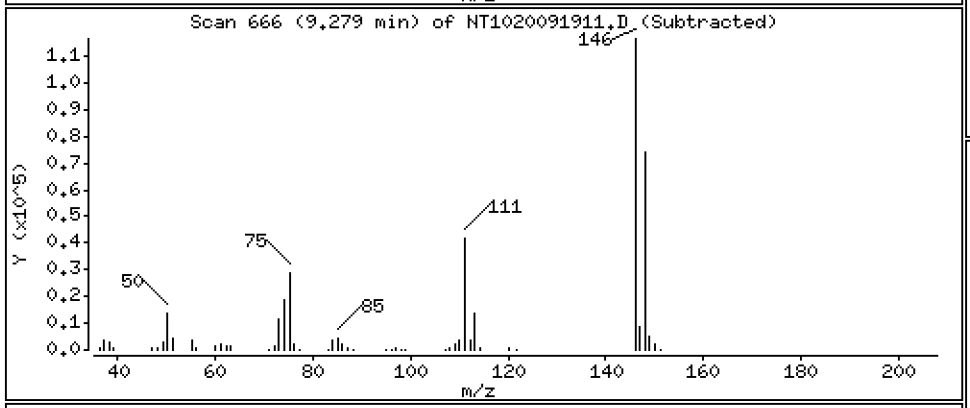
Column diameter: 0.25

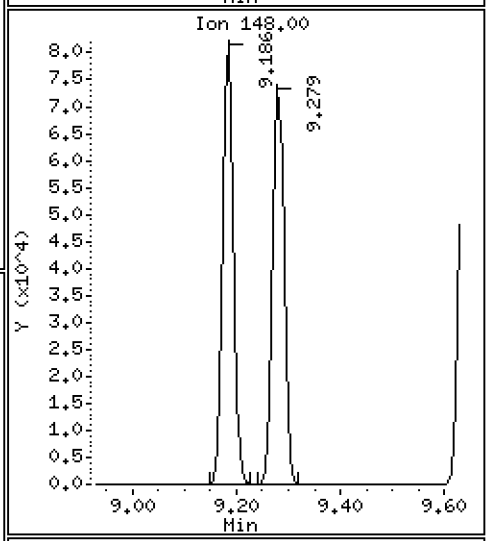
9 1,4-Dichlorobenzene

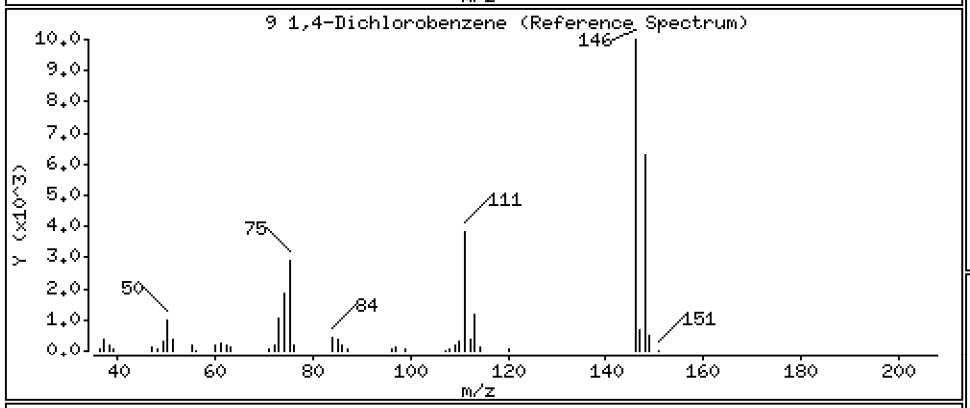
Concentration: 4.831 ug/mL

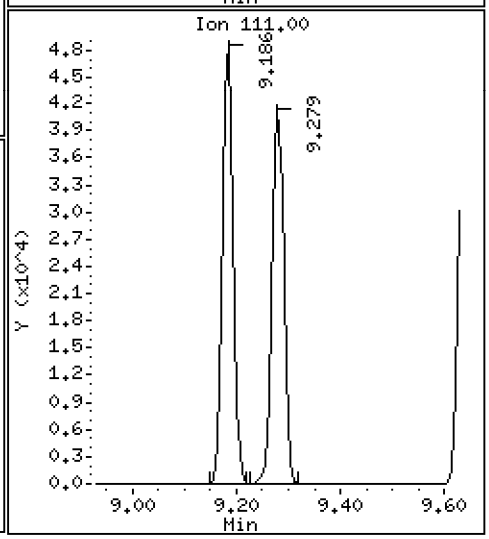


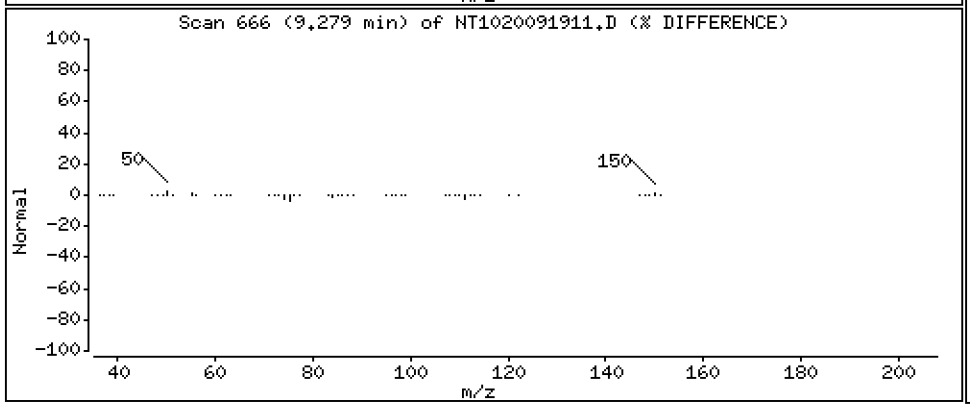












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

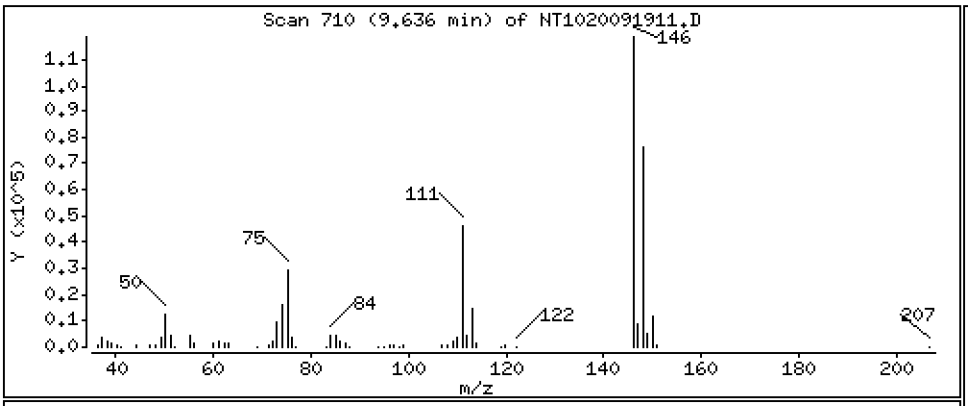
Operator: VTS

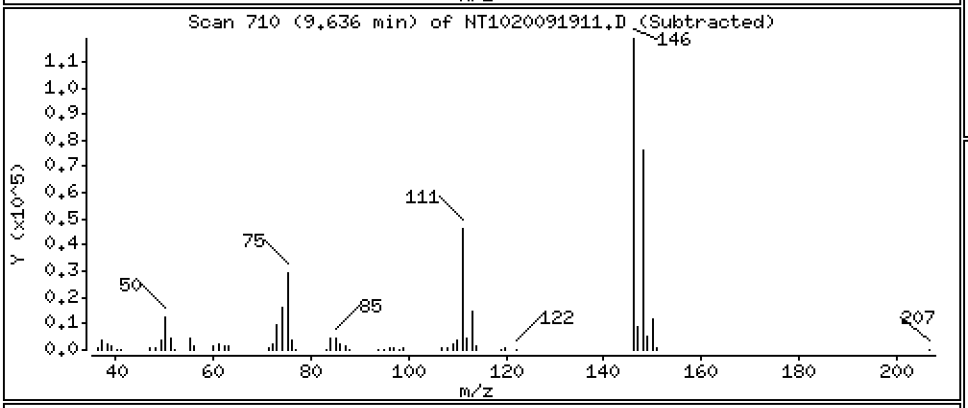
Column phase: ZB-5msi

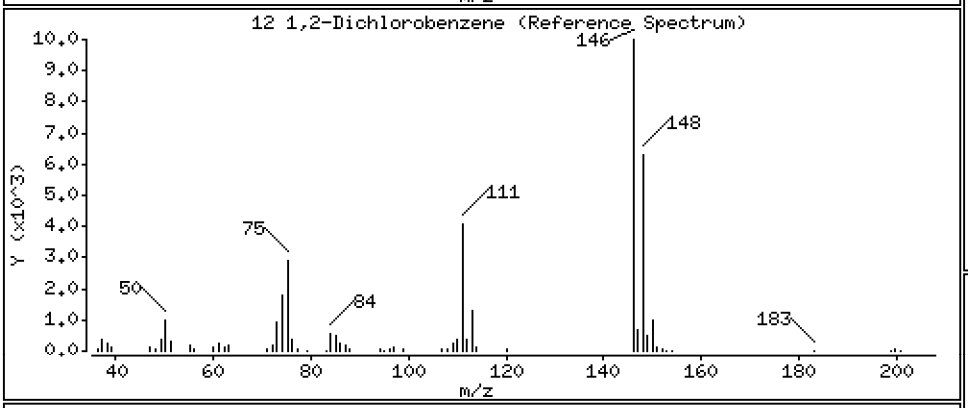
Column diameter: 0.25

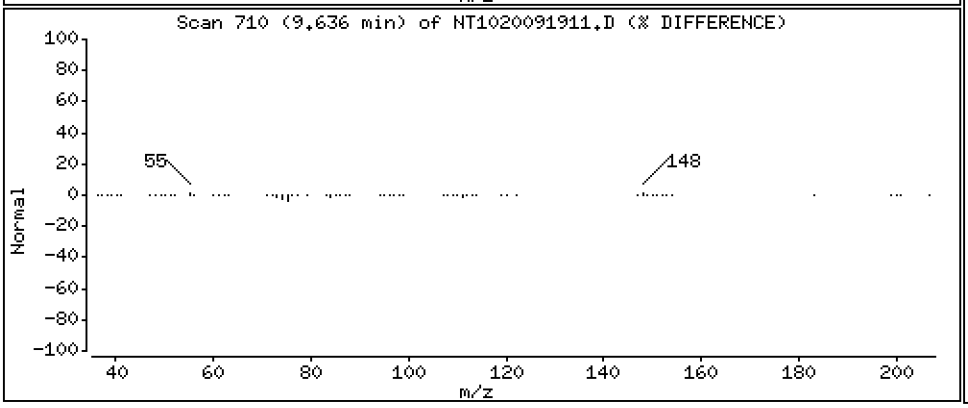
12 1,2-Dichlorobenzene

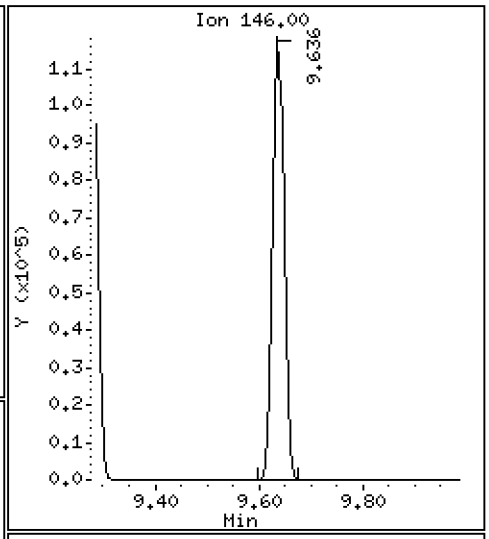
Concentration: 4.661 ug/mL

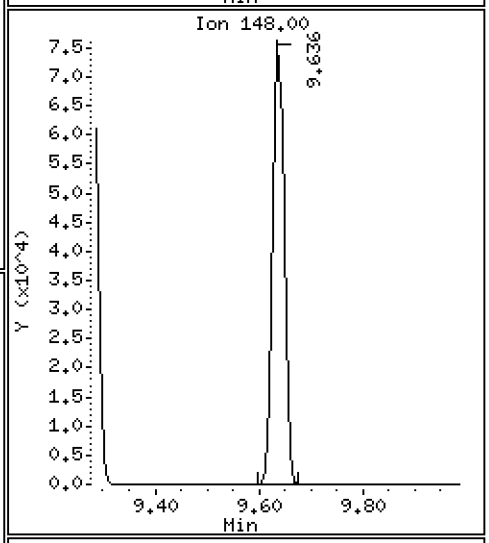


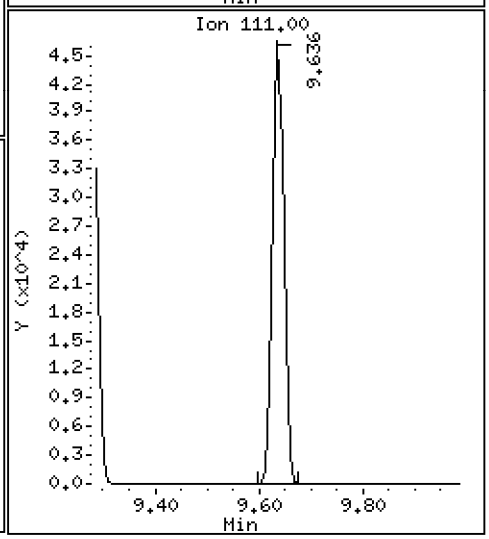












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

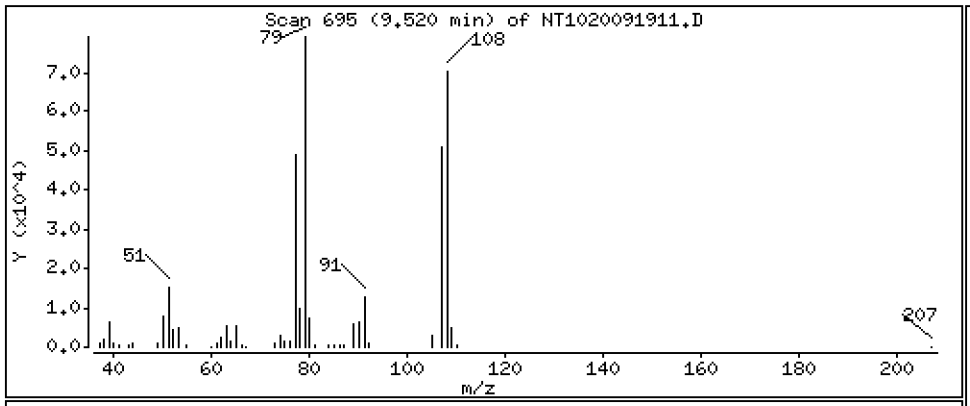
Operator: VTS

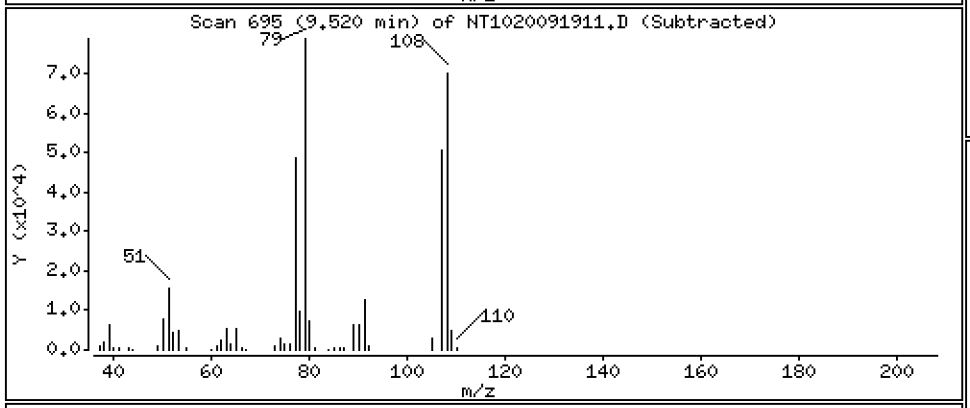
Column phase: ZB-5msi

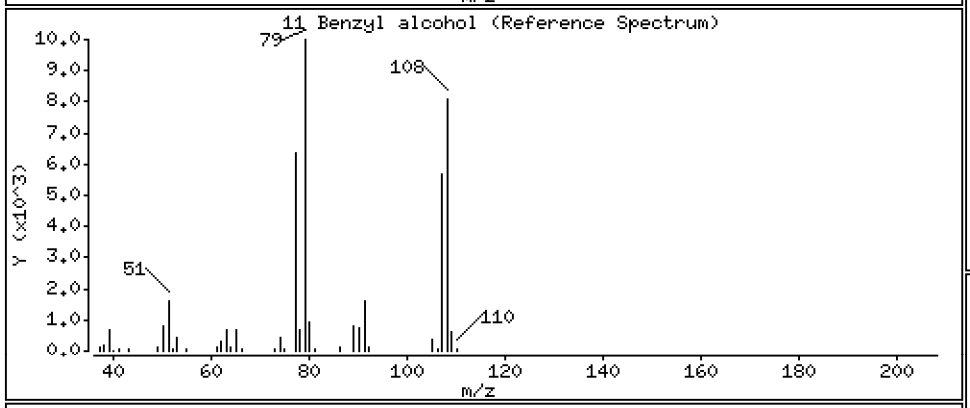
Column diameter: 0.25

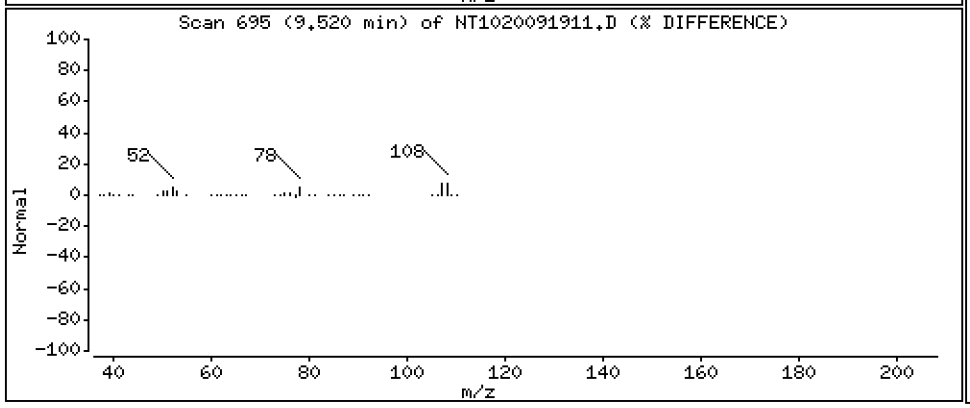
11 Benzyl alcohol

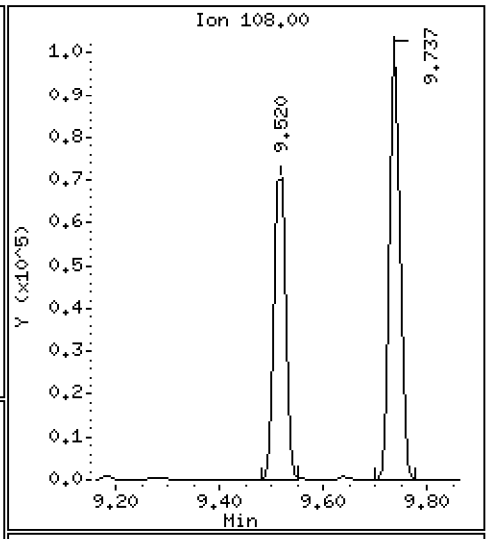
Concentration: 5.039 ug/mL

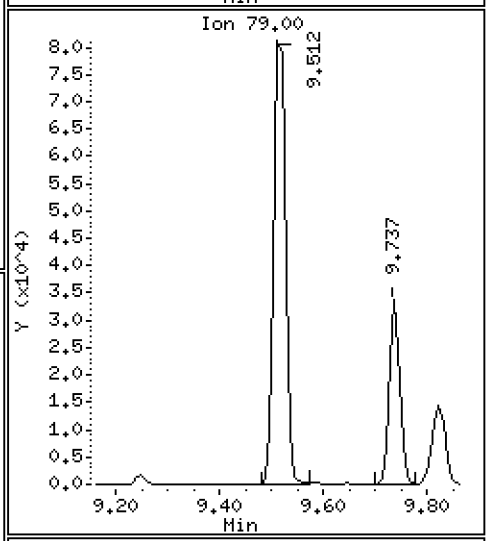


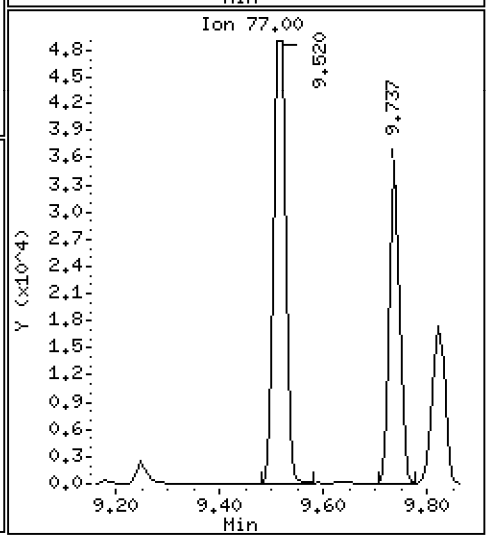












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

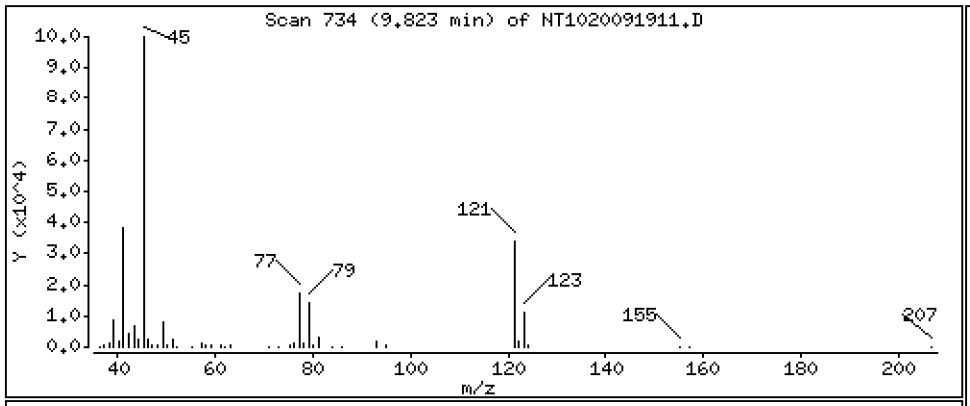
Operator: VTS

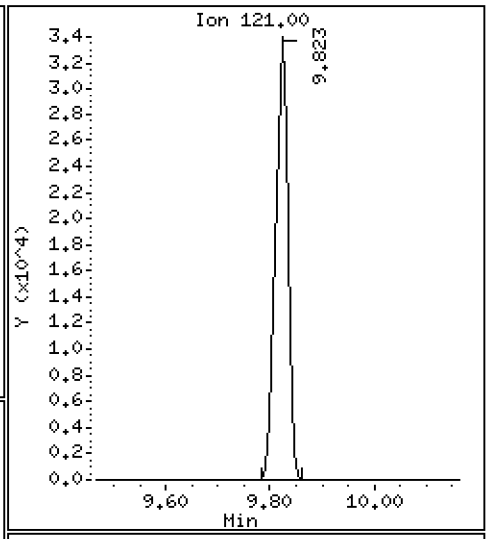
Column phase: ZB-5msi

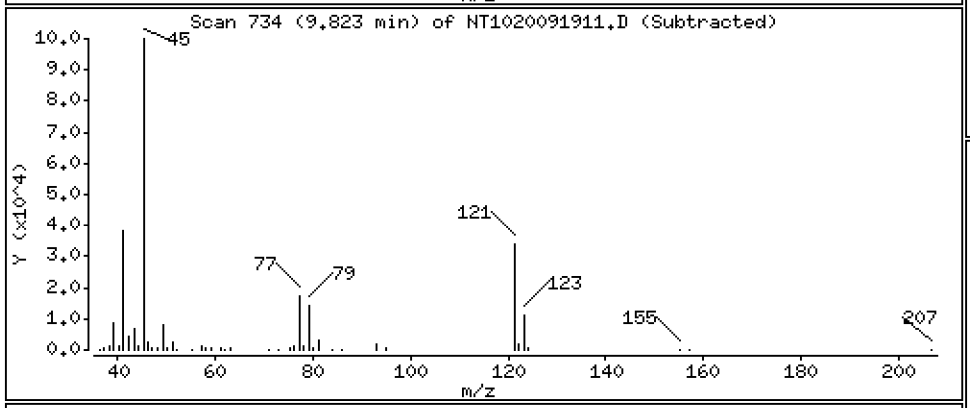
Column diameter: 0.25

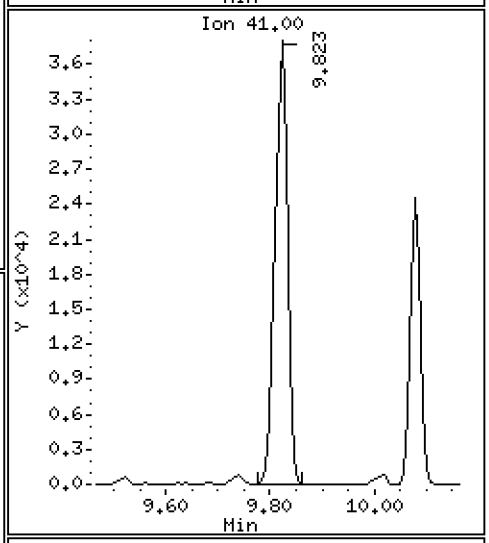
14 2,2'-oxybis(1-Chloropropane)

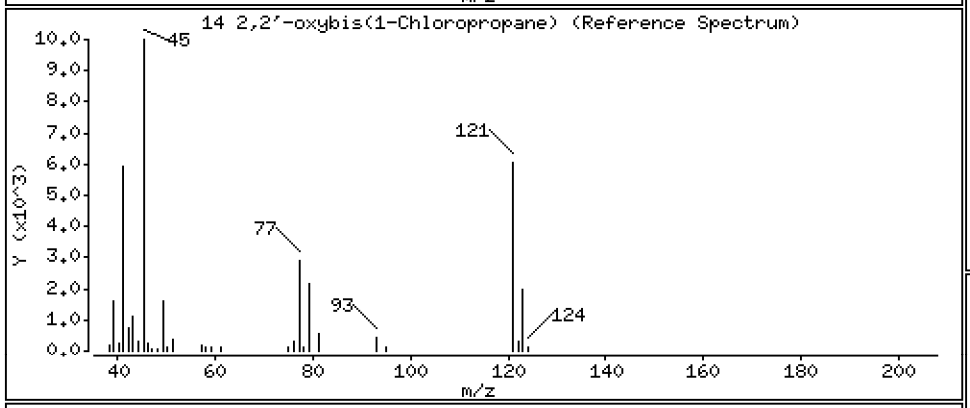
Concentration: 4.501 ug/mL

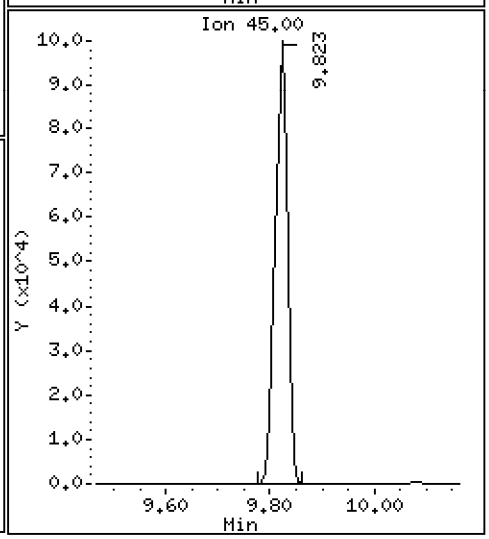


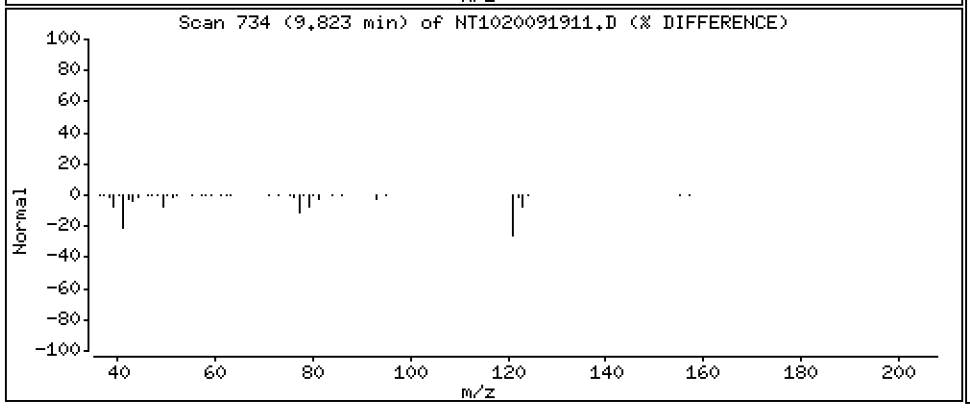












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

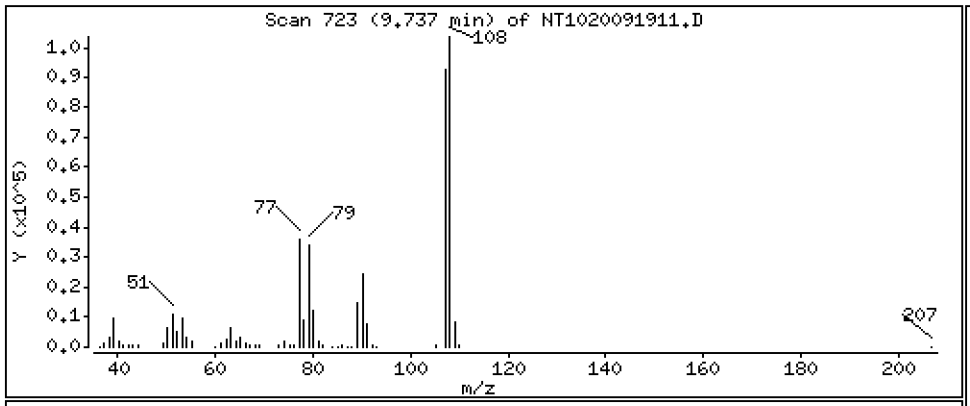
Operator: VTS

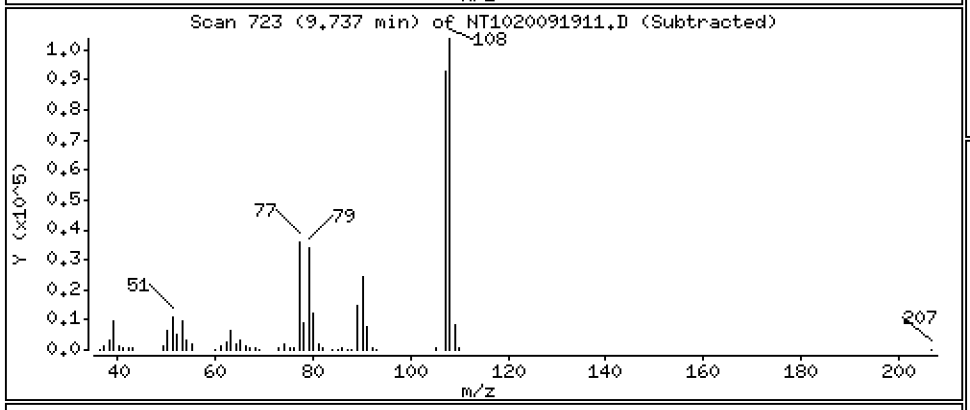
Column phase: ZB-5msi

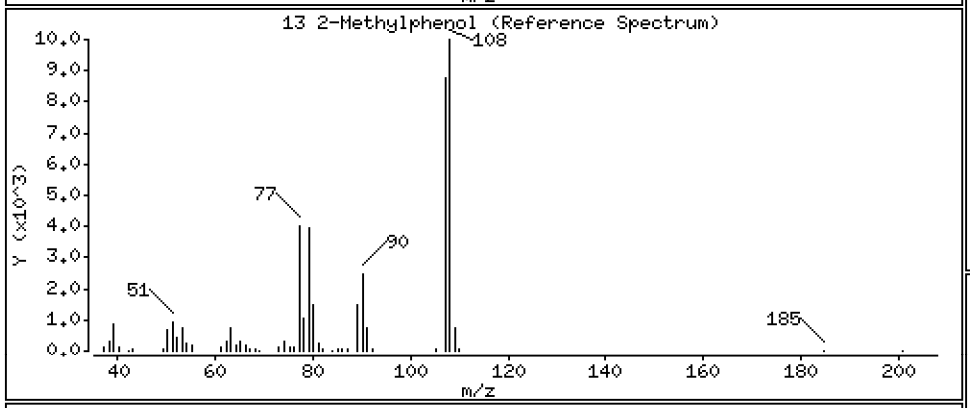
Column diameter: 0.25

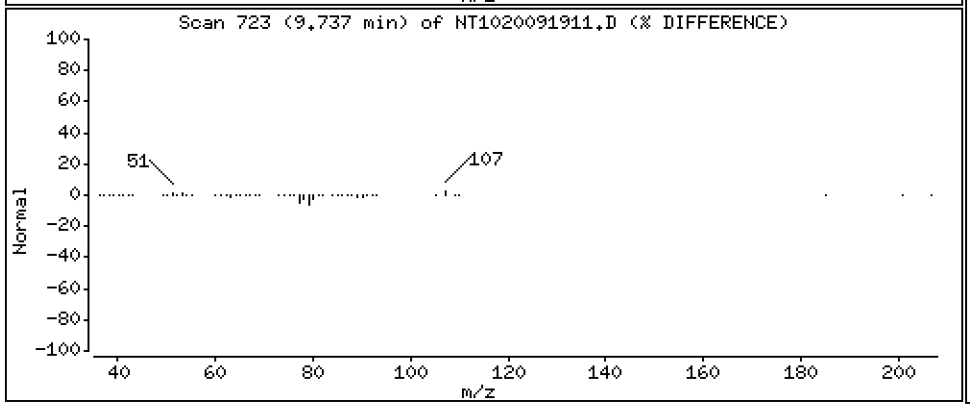
13 2-Methylphenol

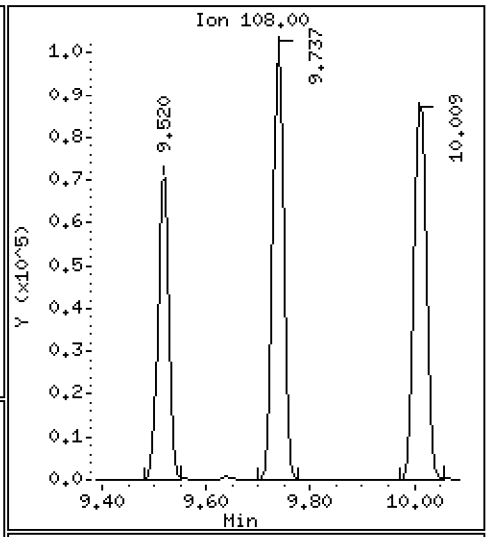
Concentration: 4.597 ug/mL

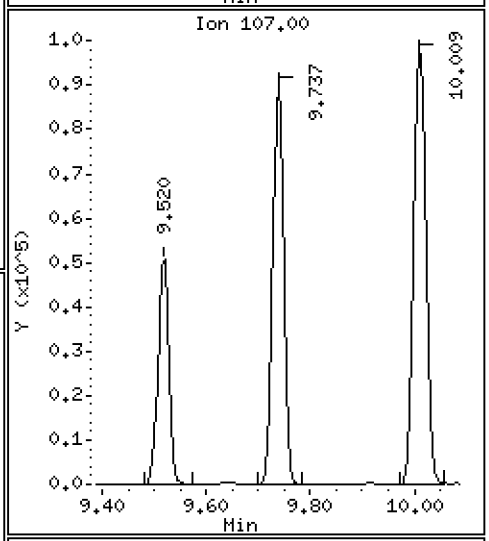


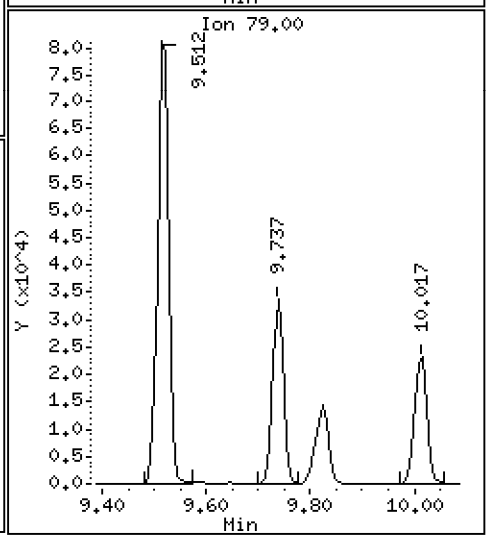












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

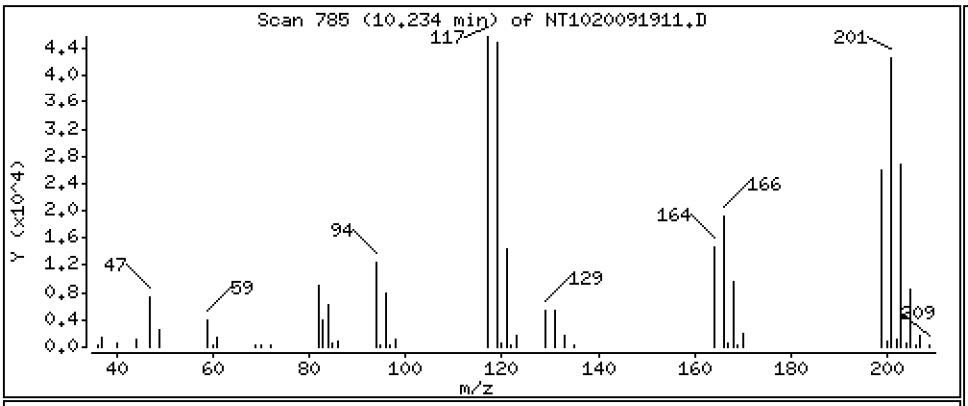
Operator: VTS

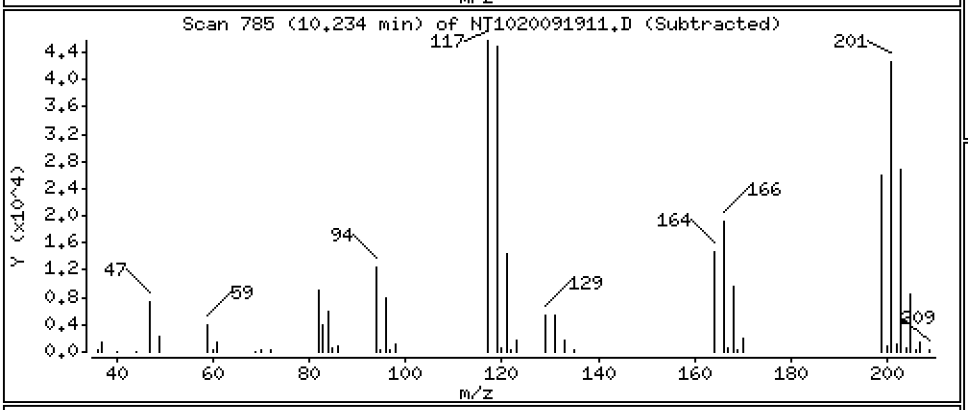
Column phase: ZB-5msi

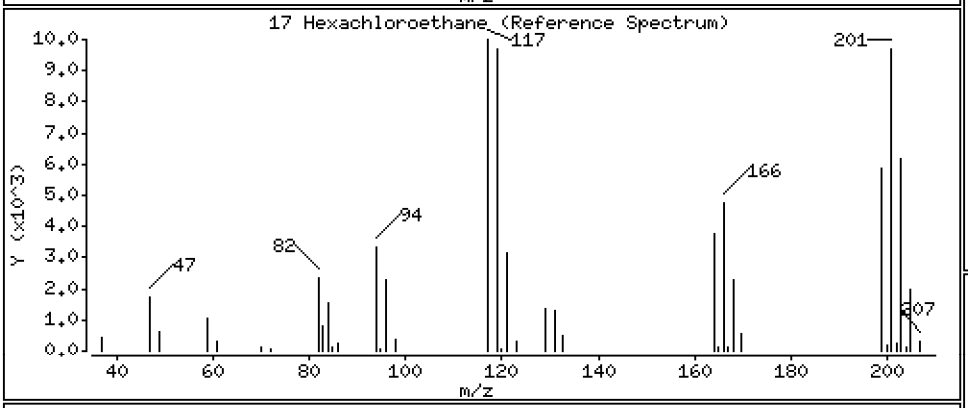
Column diameter: 0.25

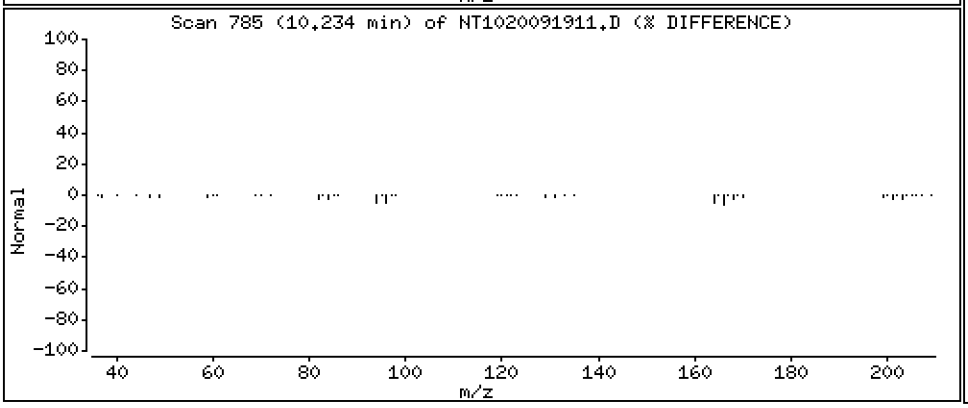
17 Hexachloroethane

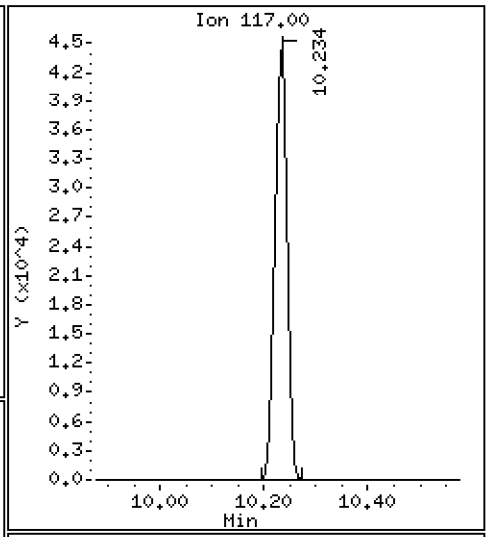
Concentration: 4.686 ug/mL

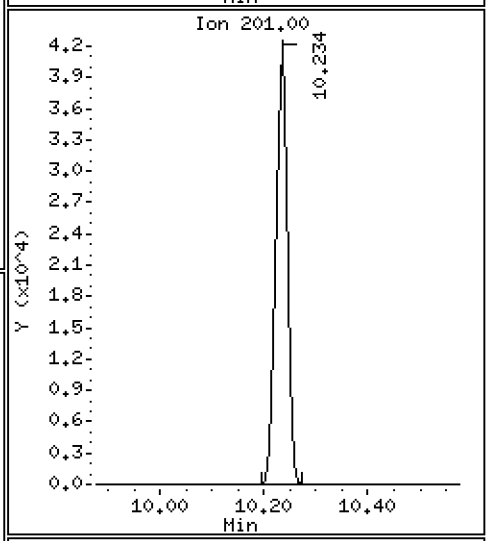


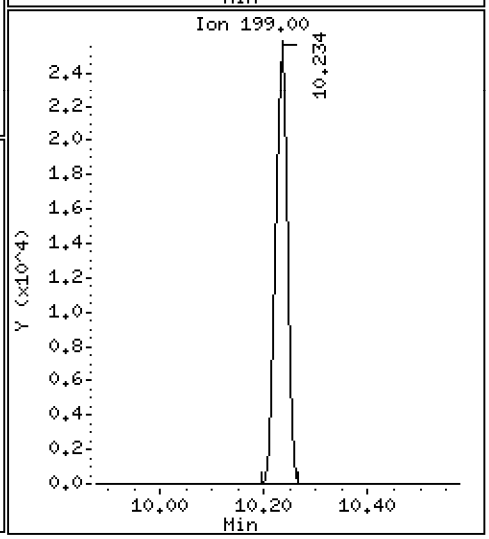












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

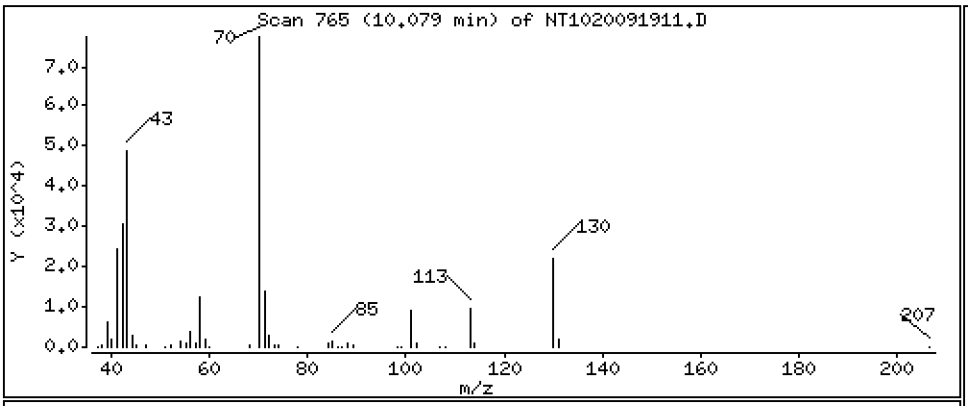
Operator: VTS

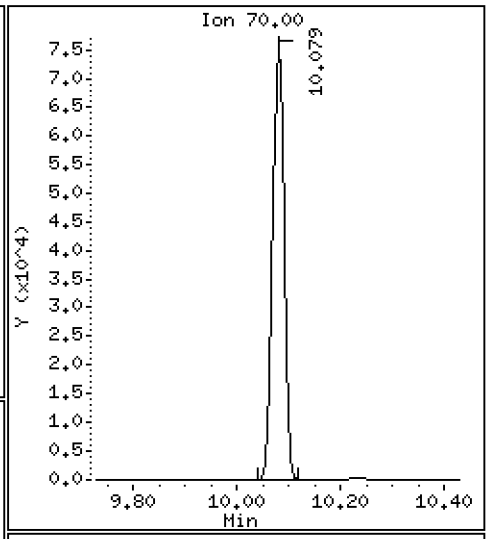
Column phase: ZB-5msi

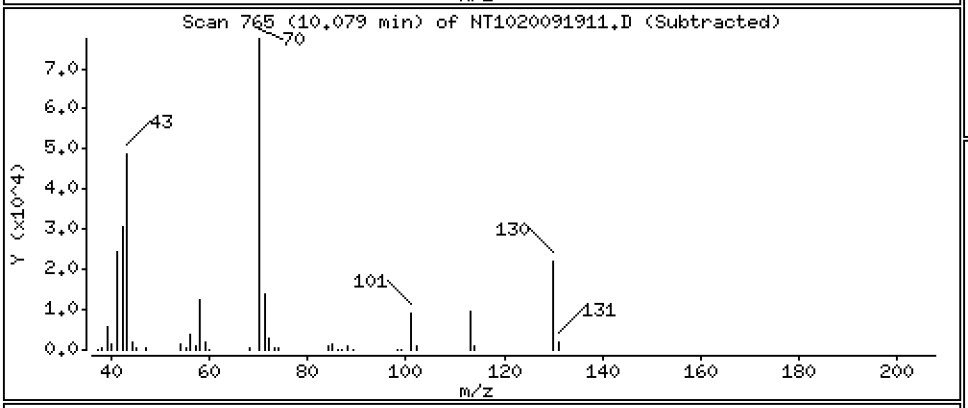
Column diameter: 0.25

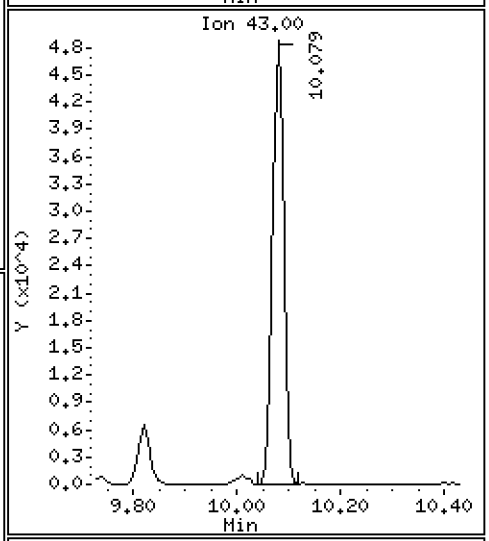
16 N-Nitroso-di-n-propylamine

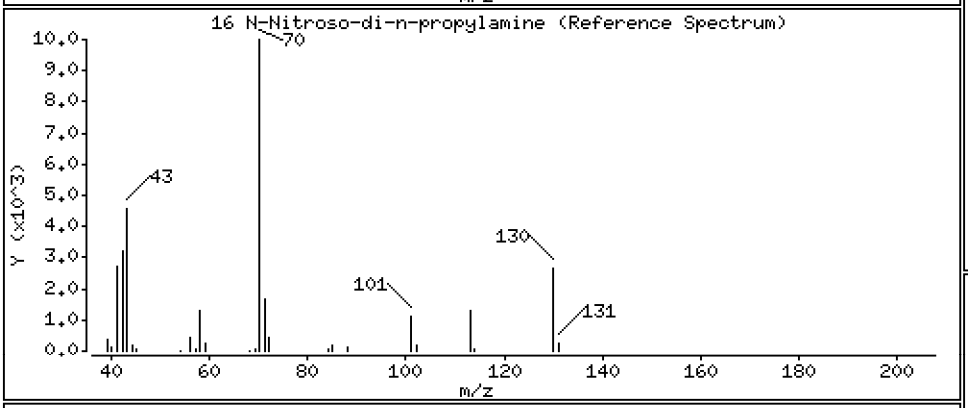
Concentration: 4.852 ug/mL

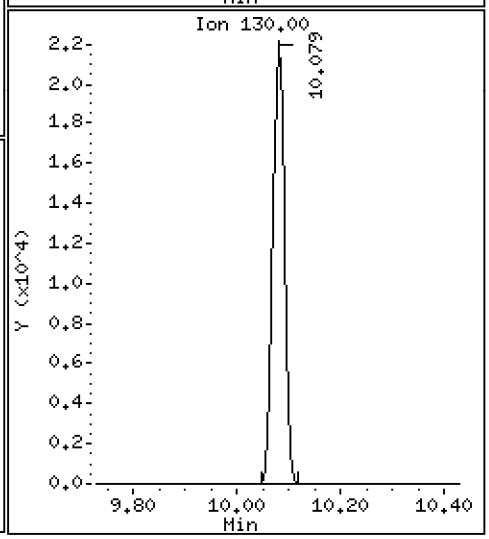


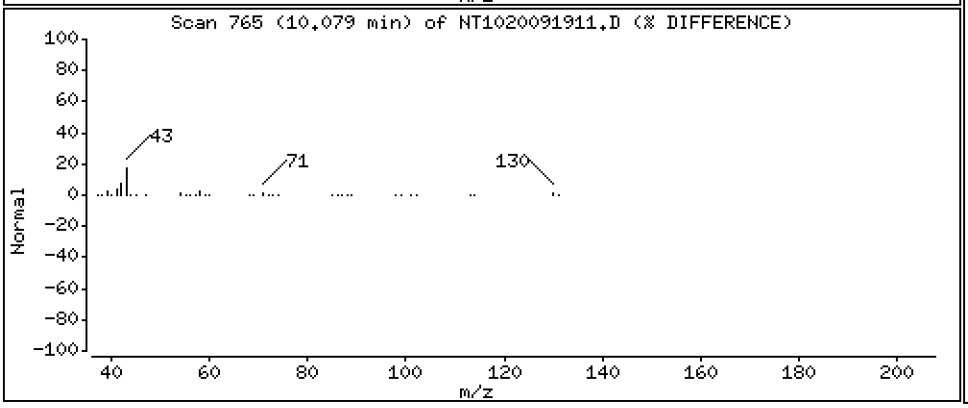












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

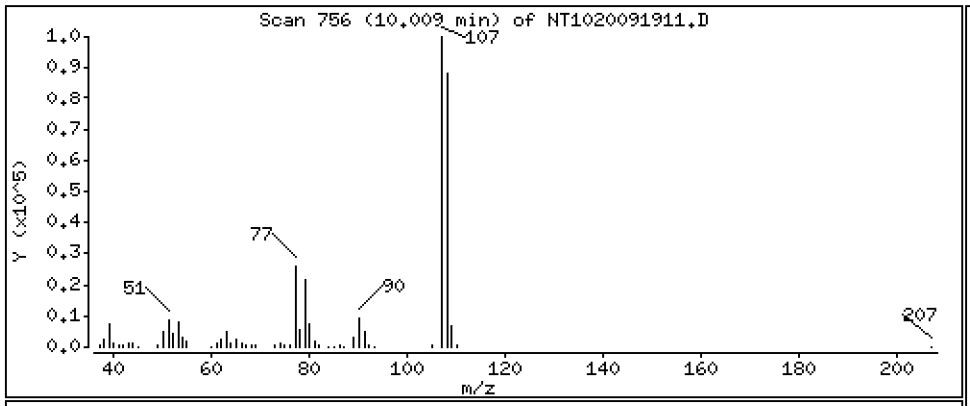
Operator: VTS

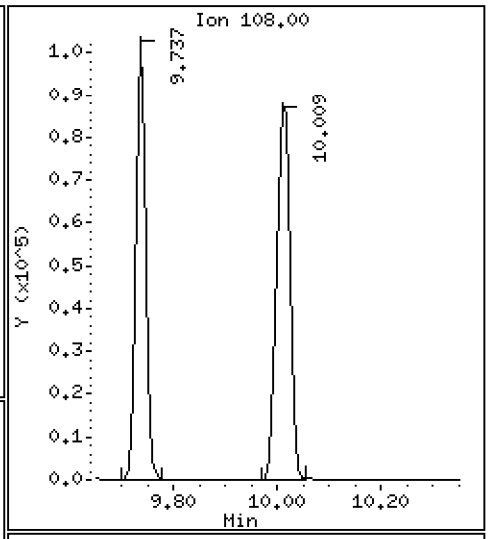
Column phase: ZB-5msi

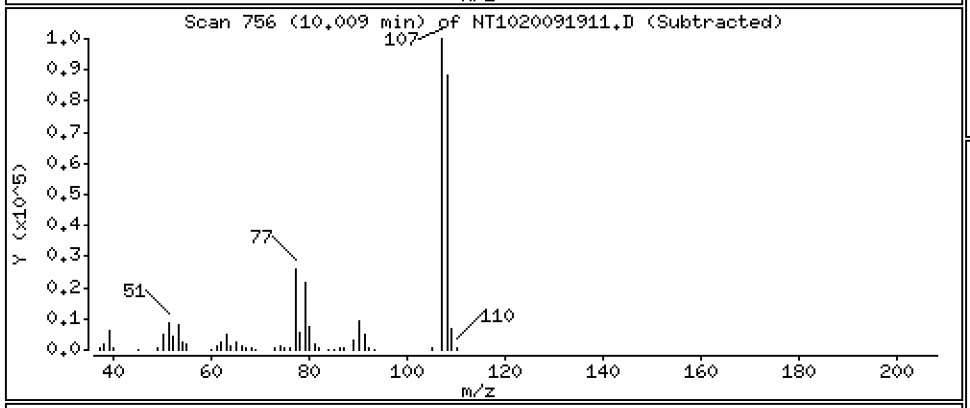
Column diameter: 0.25

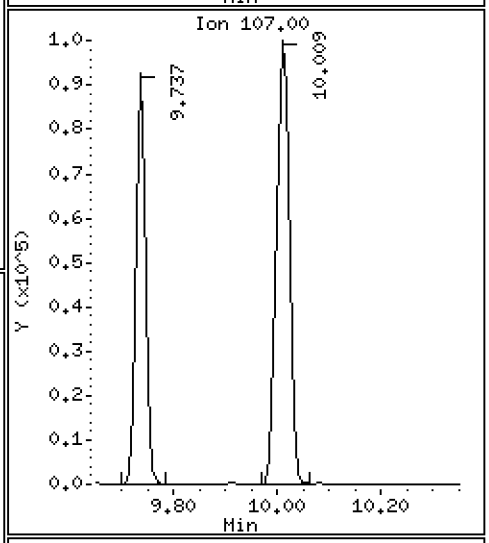
15 4-Methylphenol

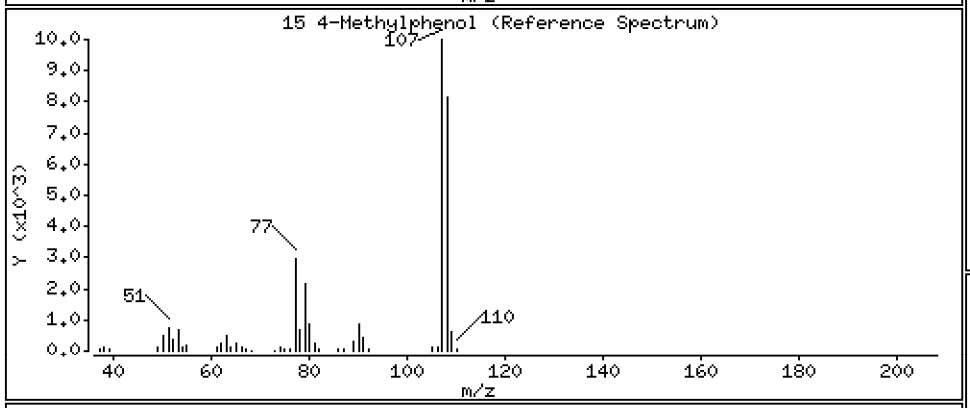
Concentration: 4.823 ug/mL

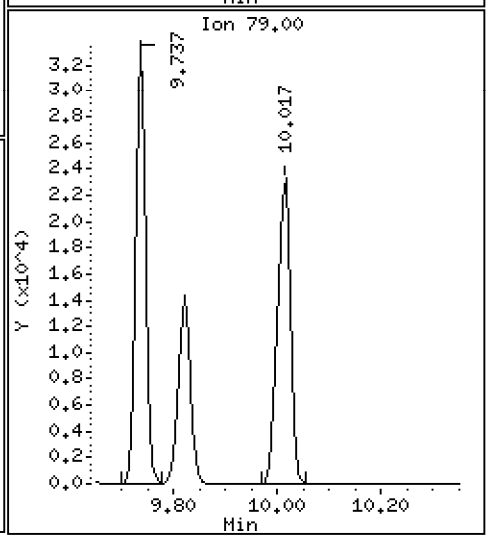


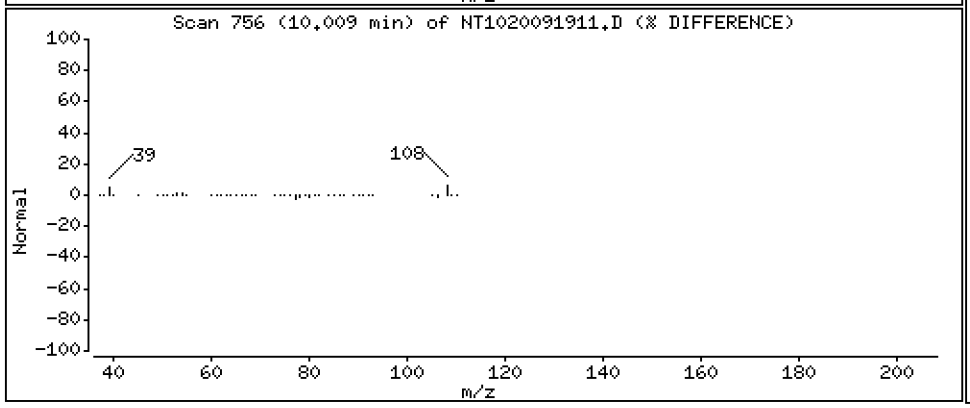












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

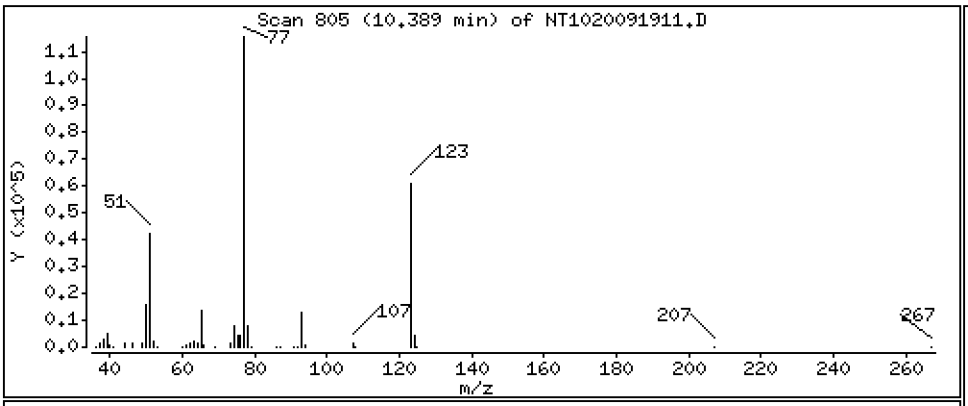
Operator: VTS

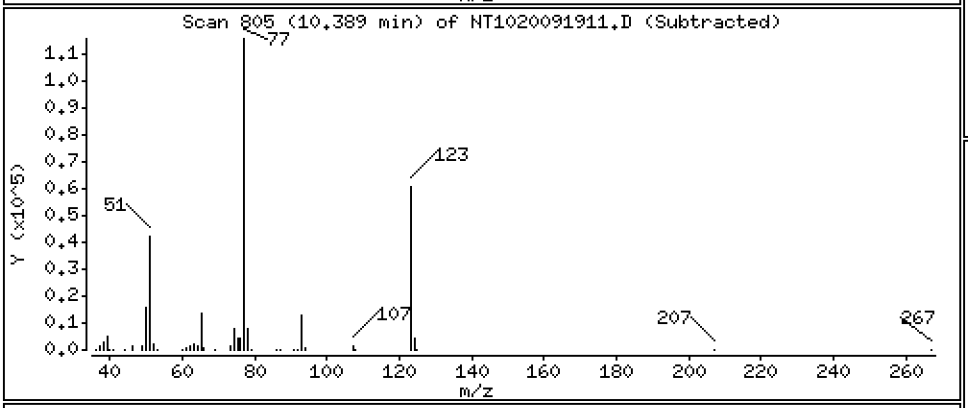
Column phase: ZB-5msi

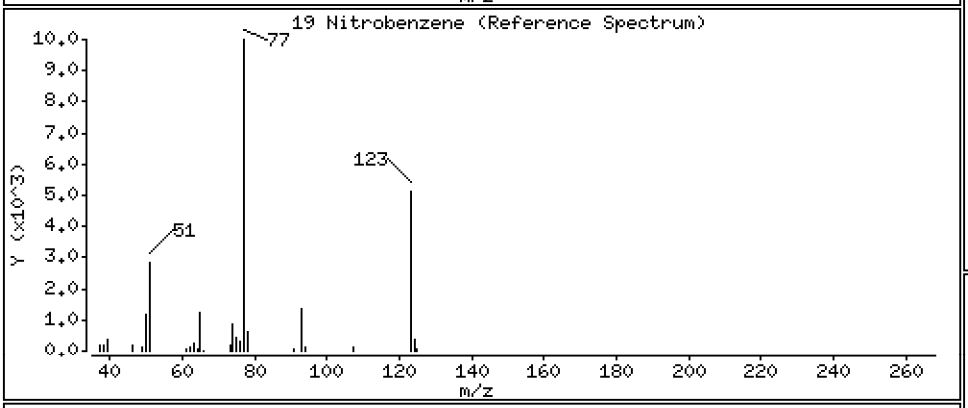
Column diameter: 0.25

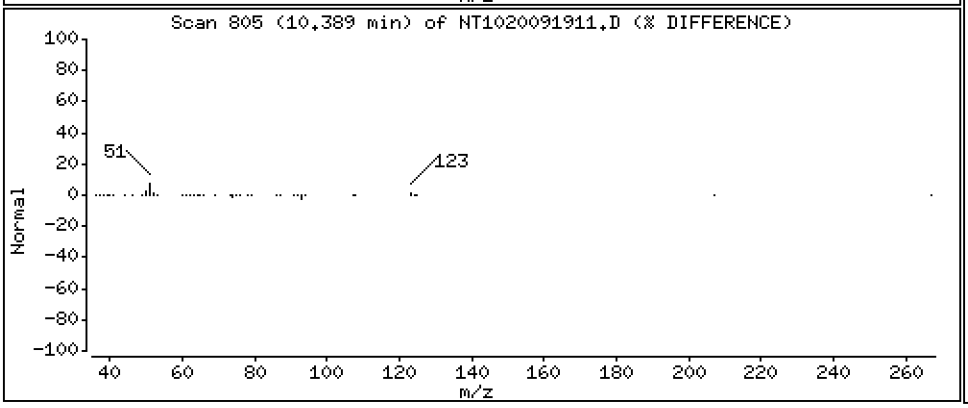
19 Nitrobenzene

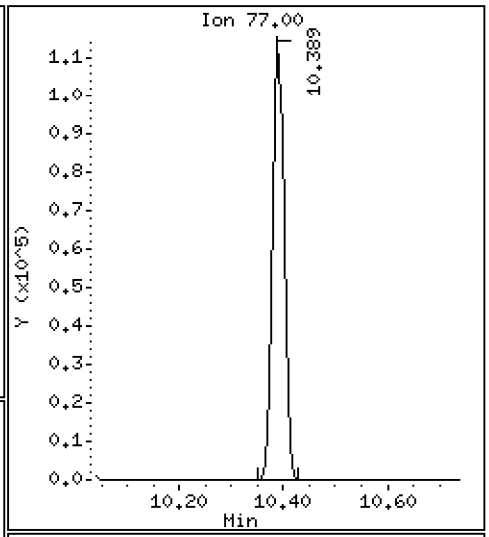
Concentration: 4.512 ug/mL

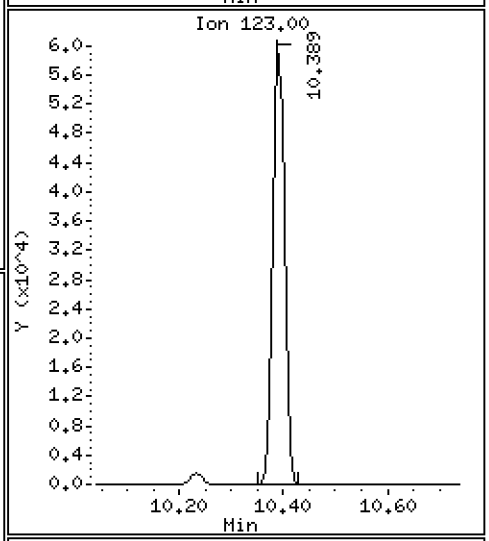


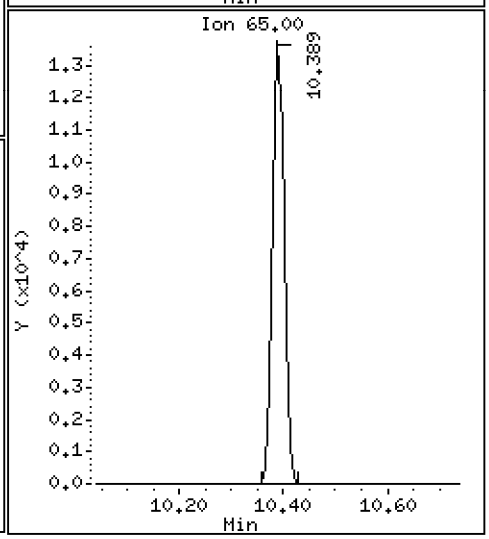












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

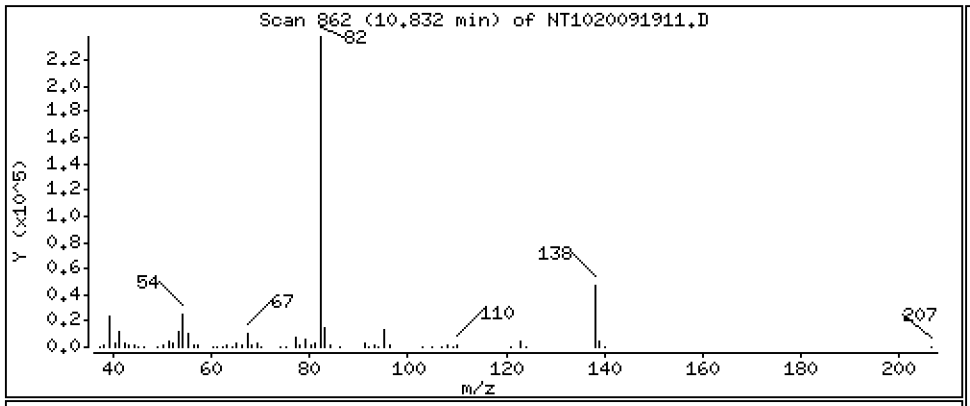
Operator: VTS

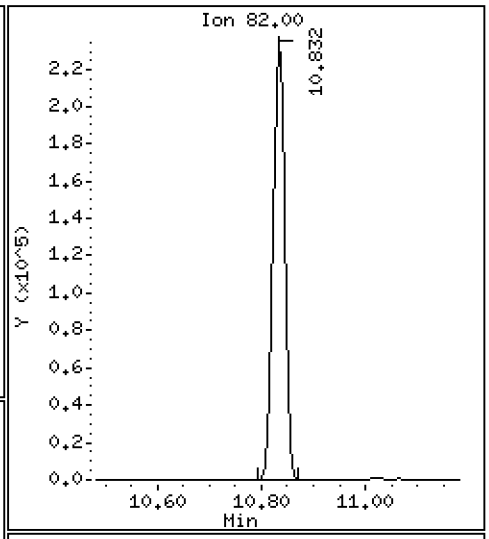
Column phase: ZB-5msi

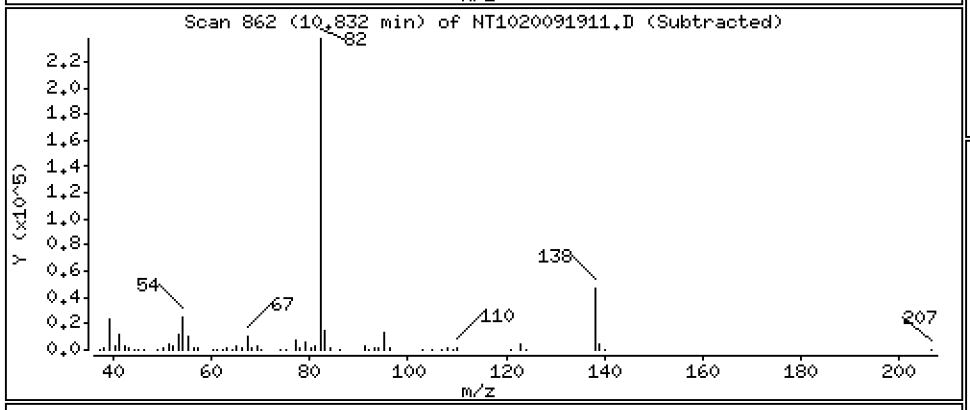
Column diameter: 0.25

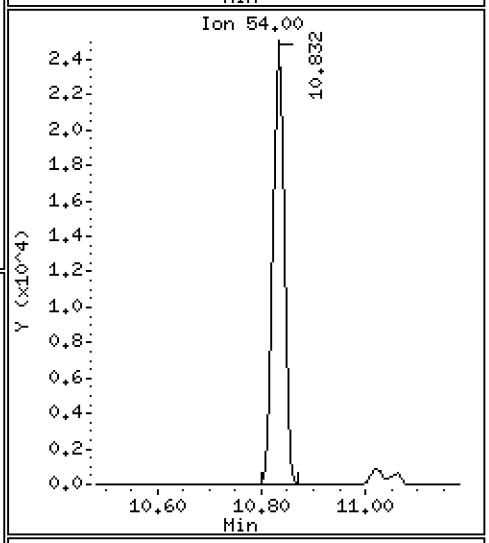
20 Isophorone

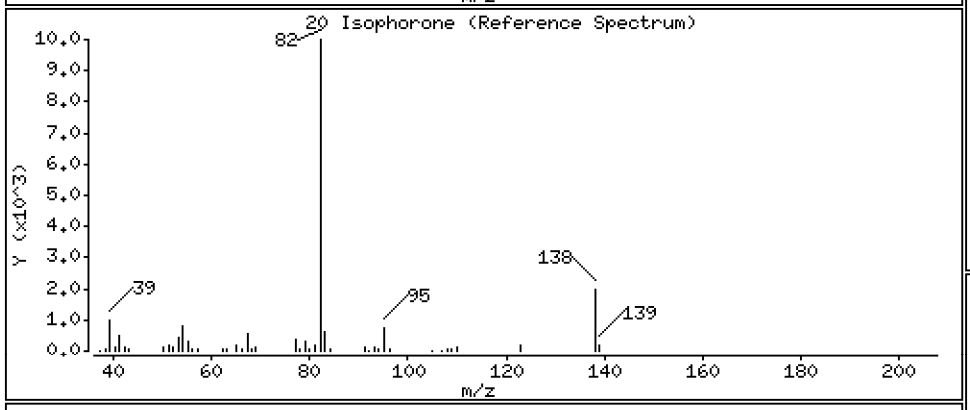
Concentration: 4.795 ug/mL

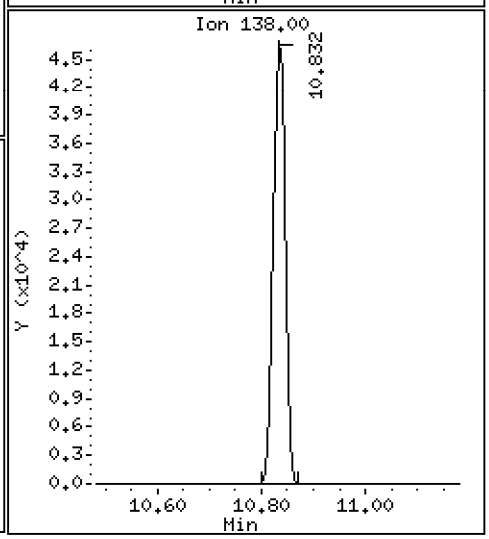


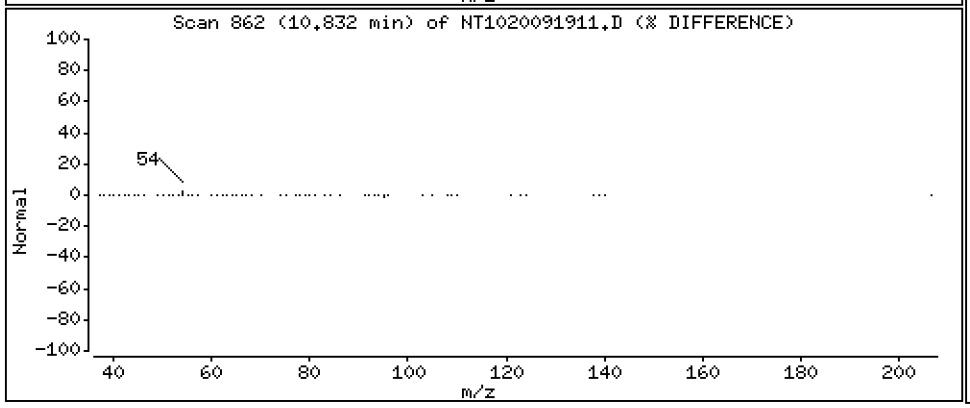












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

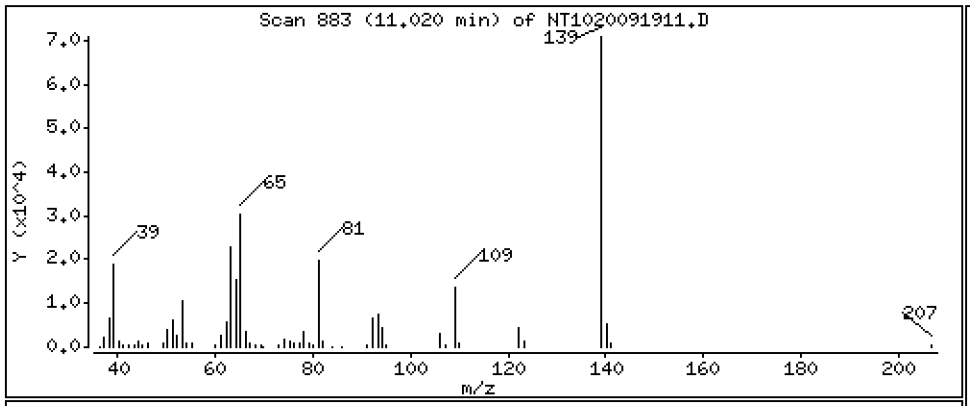
Operator: VTS

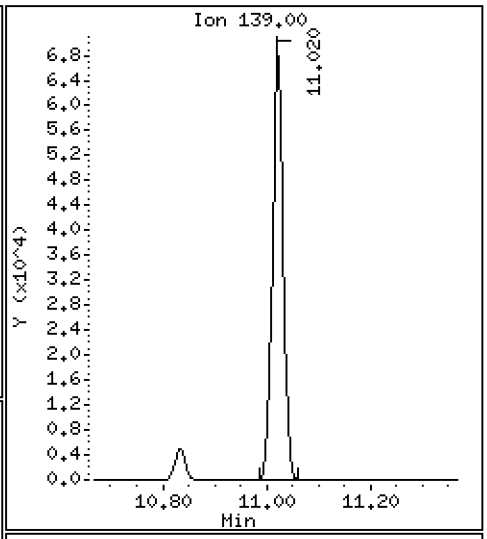
Column phase: ZB-5msi

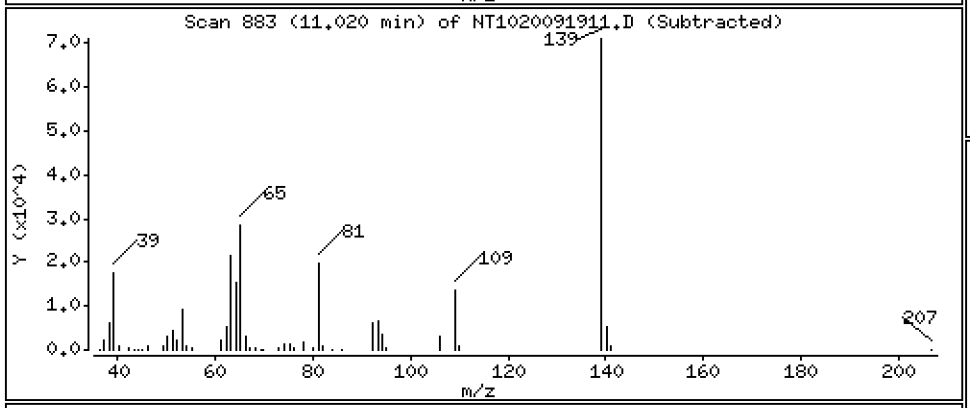
Column diameter: 0.25

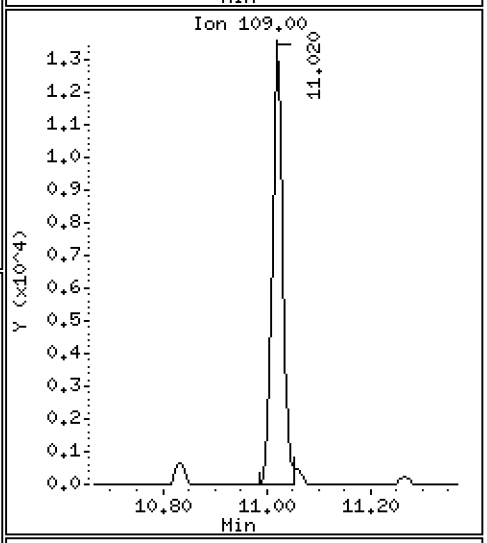
21 2-Nitrophenol

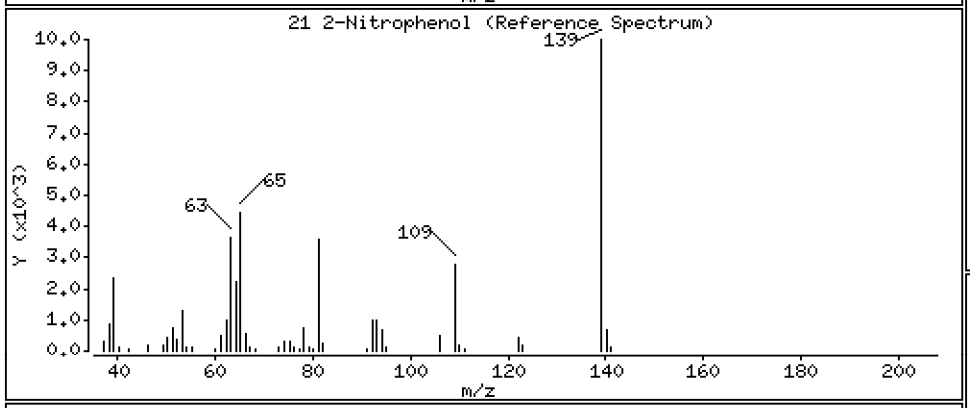
Concentration: 4.743 ug/mL

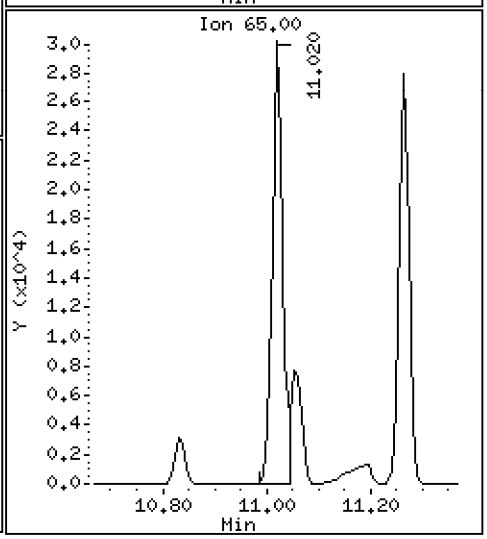


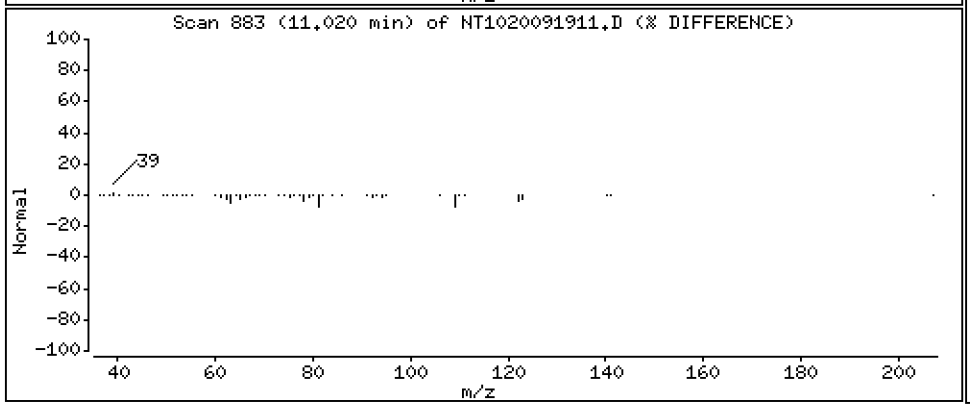












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

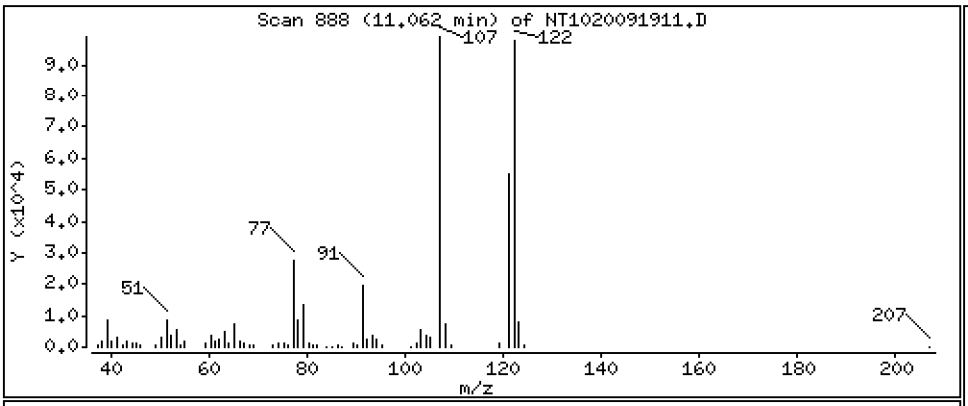
Operator: VTS

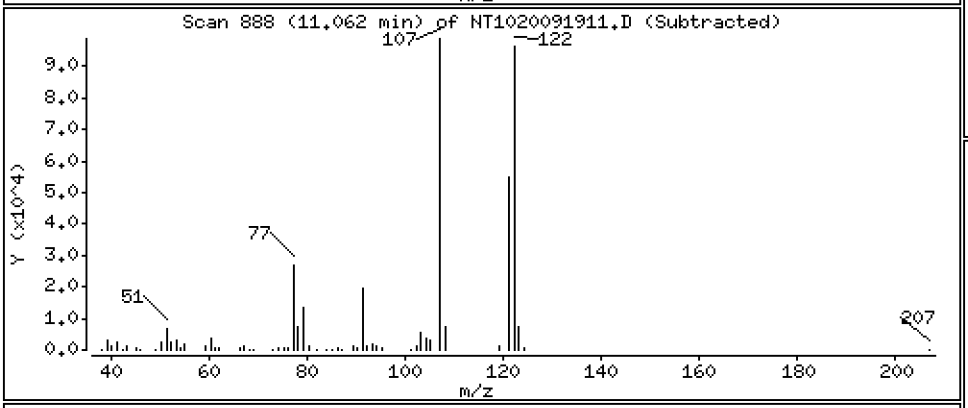
Column phase: ZB-5msi

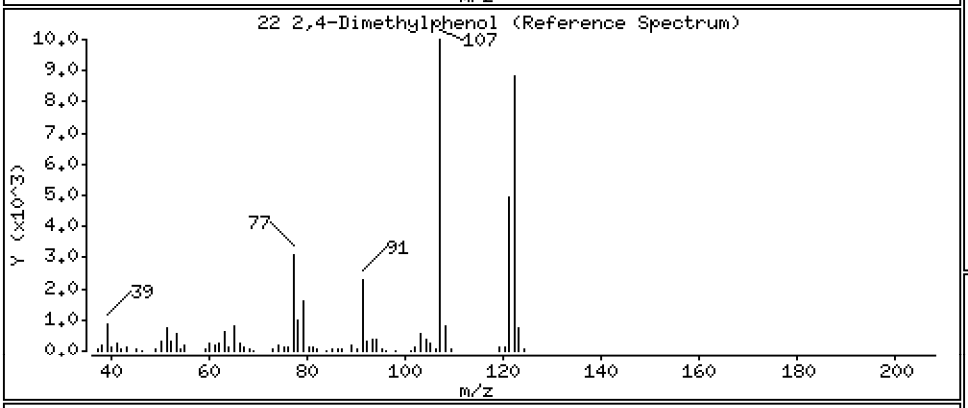
Column diameter: 0.25

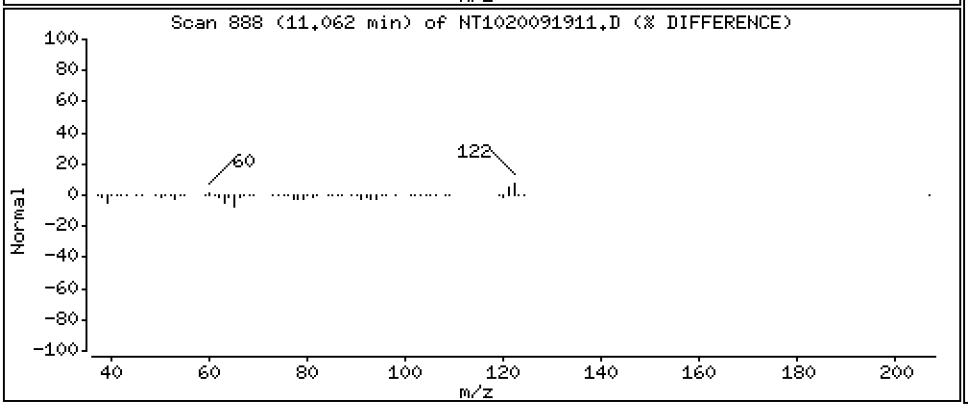
22 2,4-Dimethylphenol

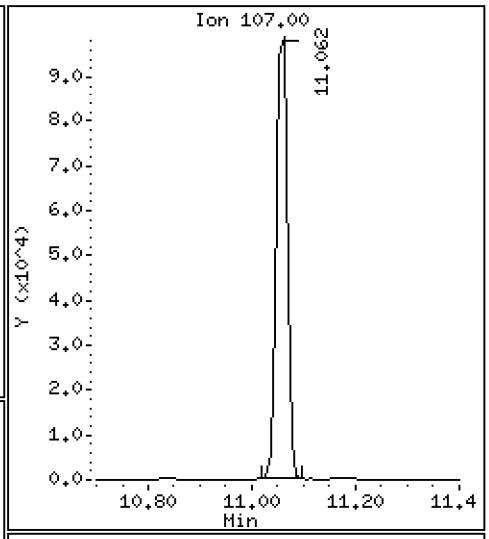
Concentration: 4.730 ug/mL

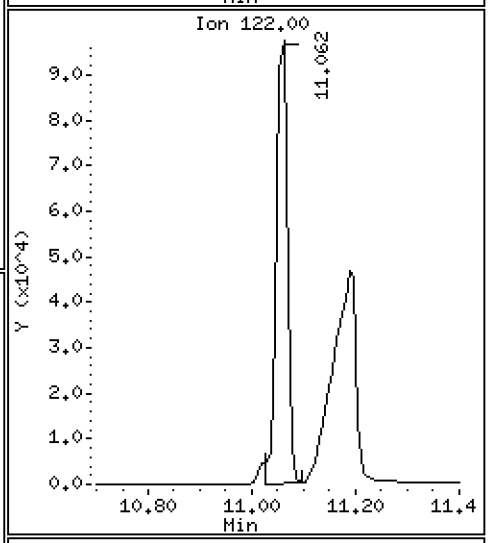


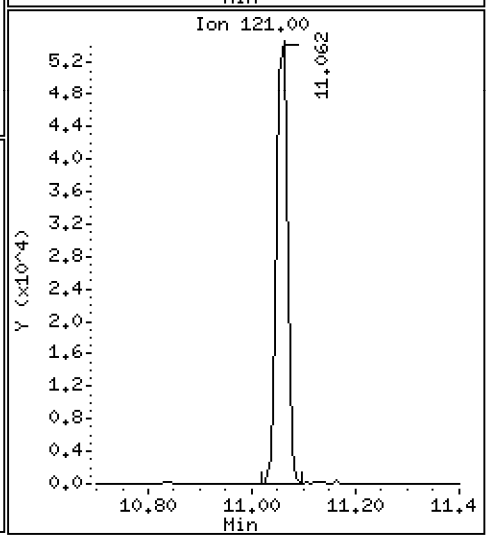












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

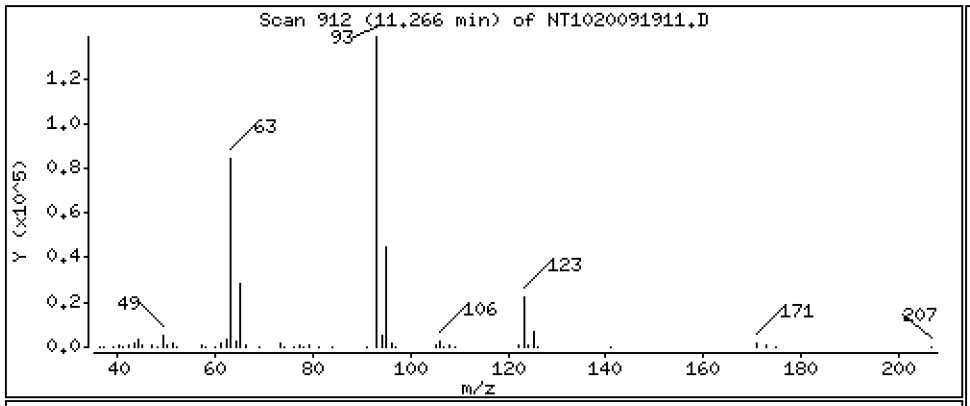
Operator: VTS

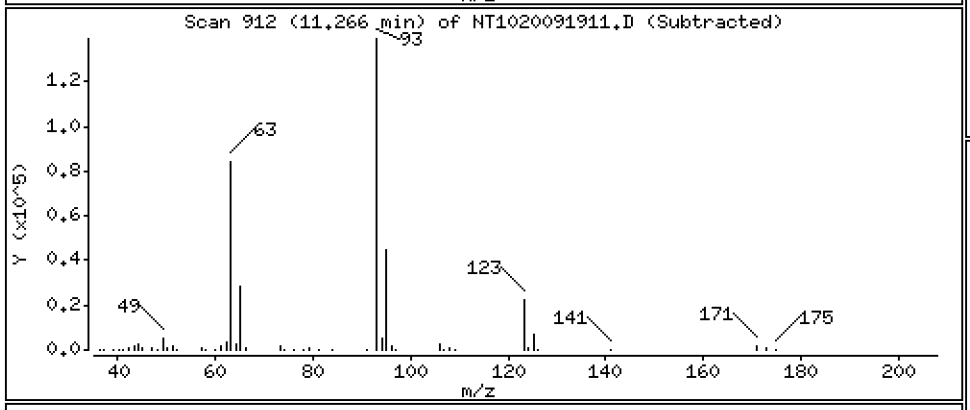
Column phase: ZB-5msi

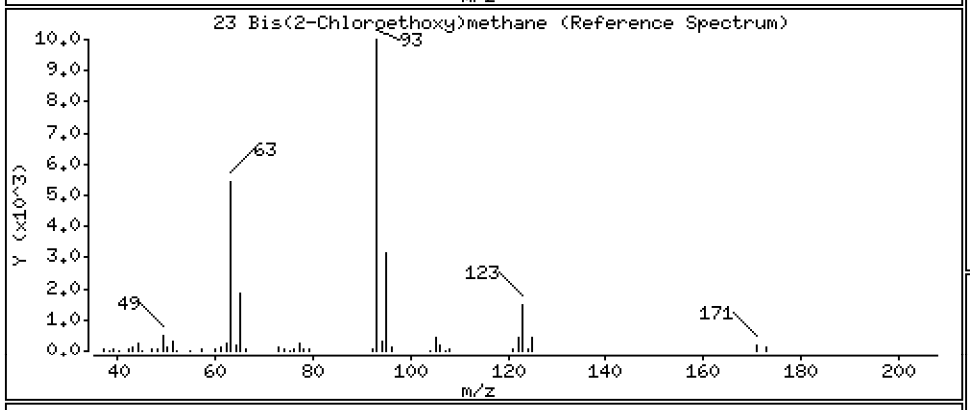
Column diameter: 0.25

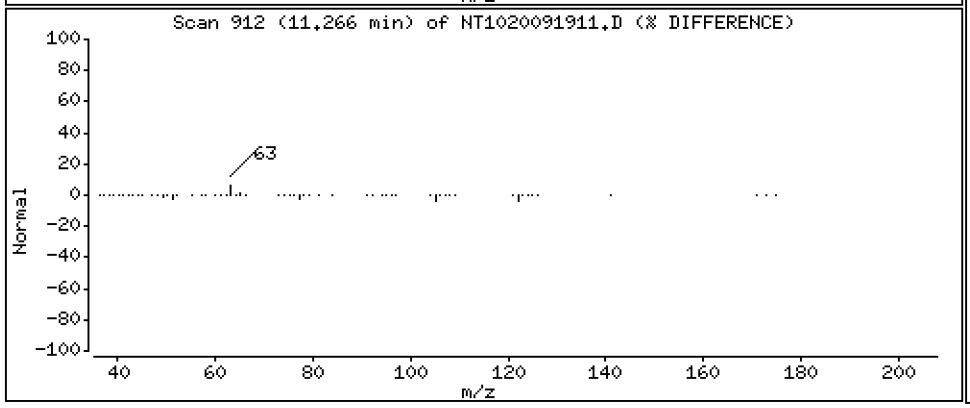
23 Bis(2-Chloroethoxy)methane

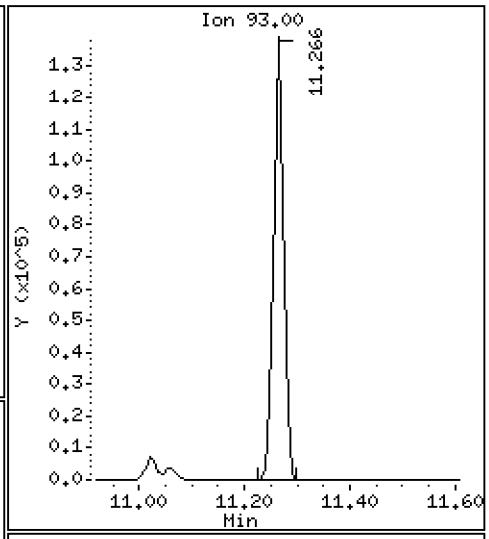
Concentration: 4.895 ug/mL

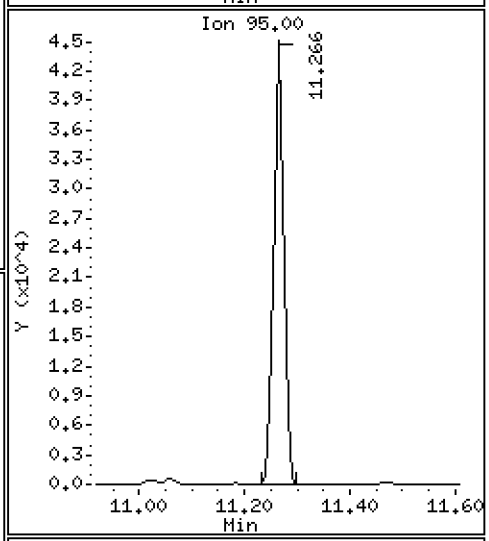


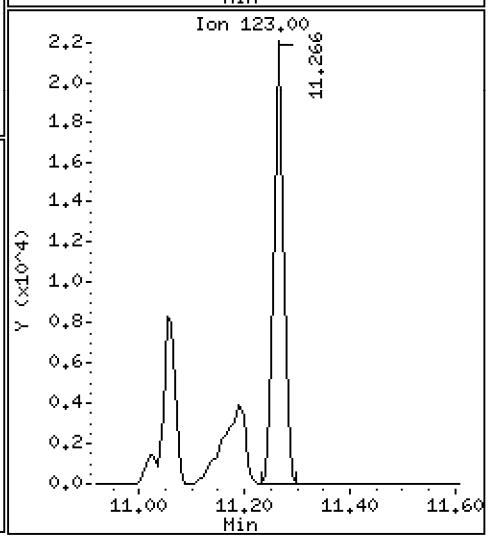












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

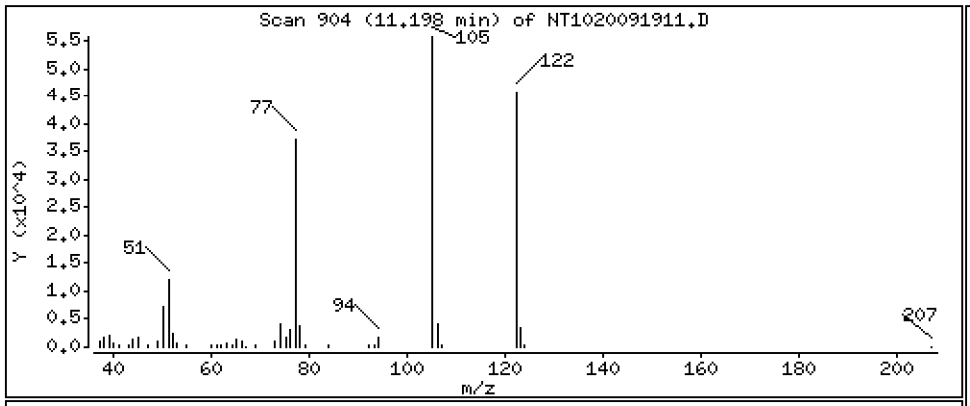
Operator: VTS

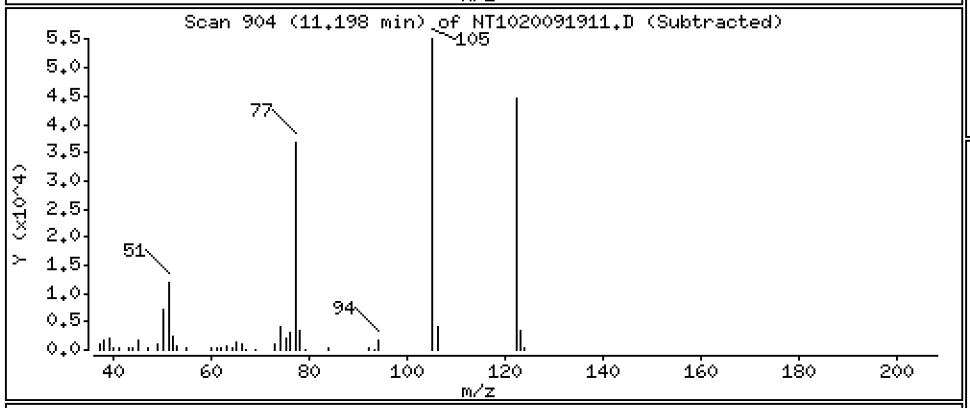
Column phase: ZB-5msi

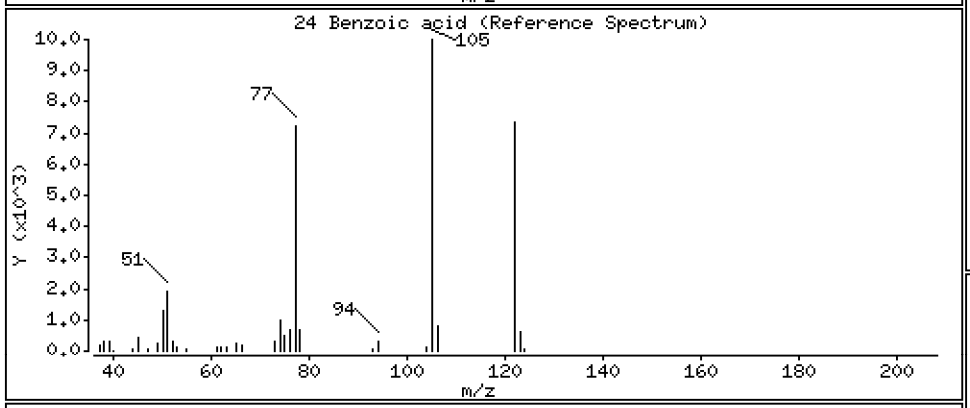
Column diameter: 0.25

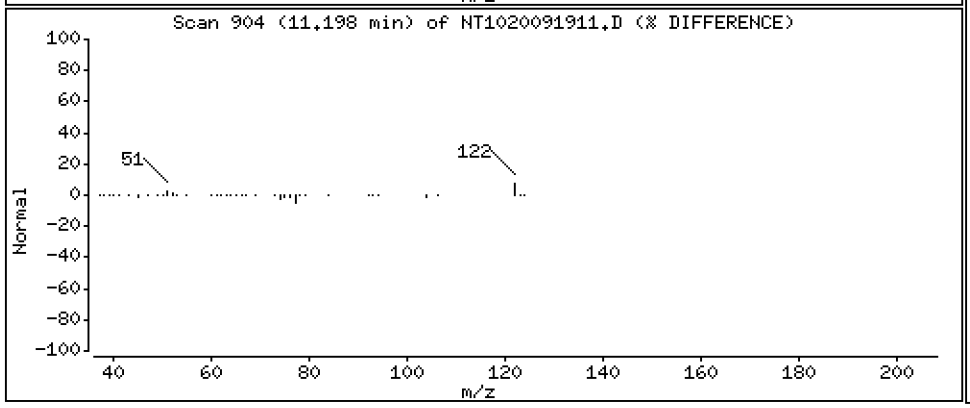
24 Benzoic acid

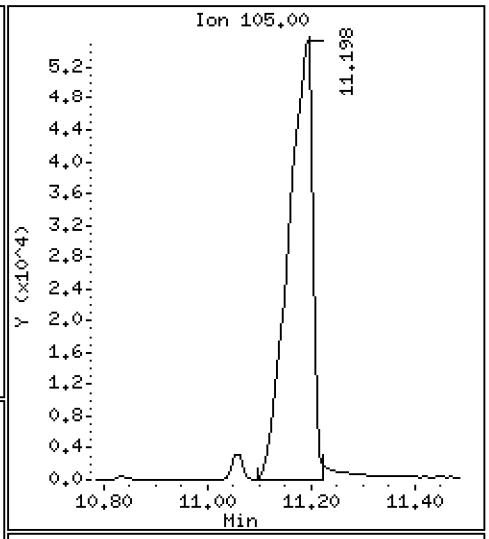
Concentration: 8.445 ug/mL

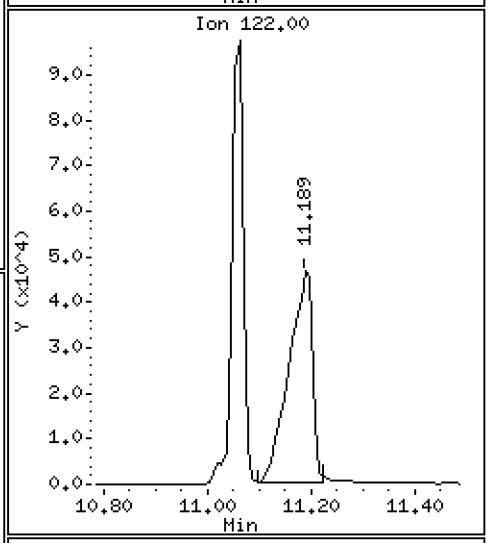


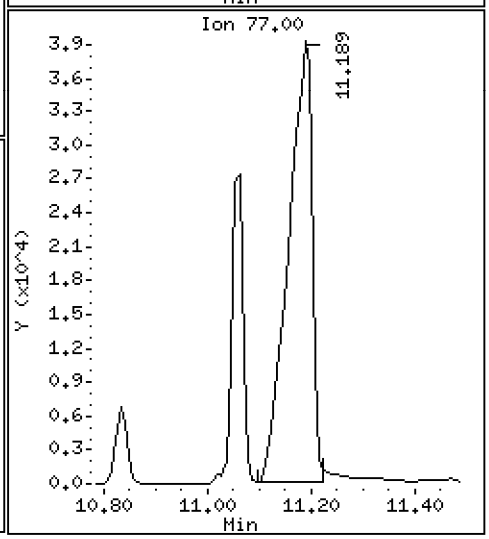












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

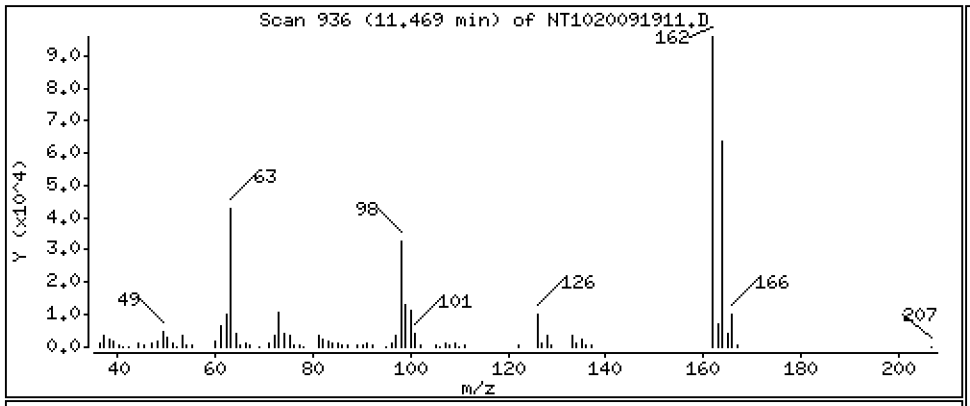
Operator: VTS

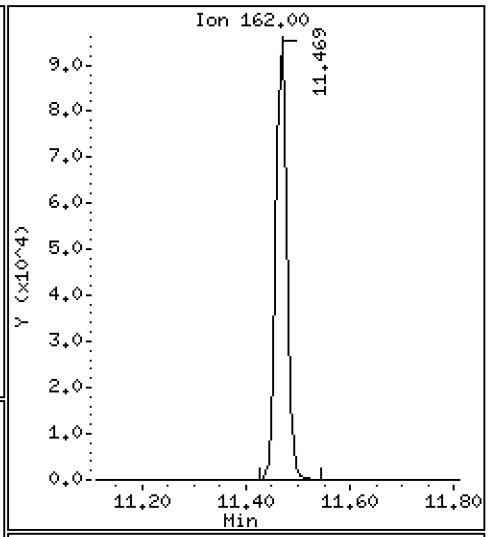
Column phase: ZB-5msi

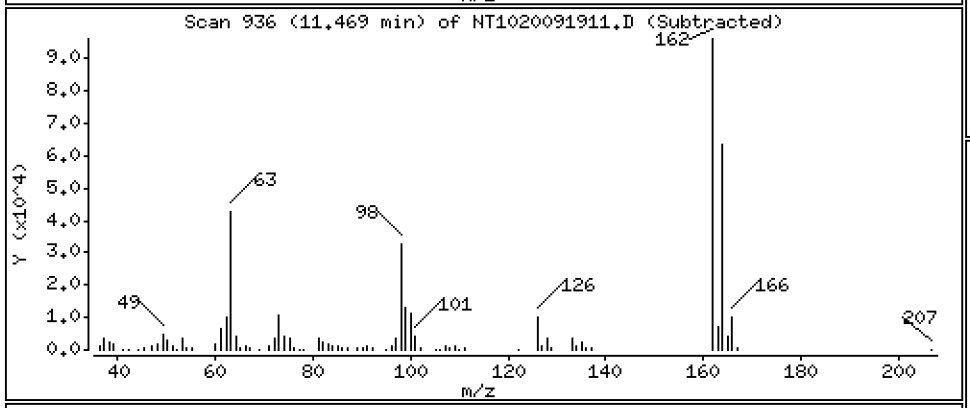
Column diameter: 0.25

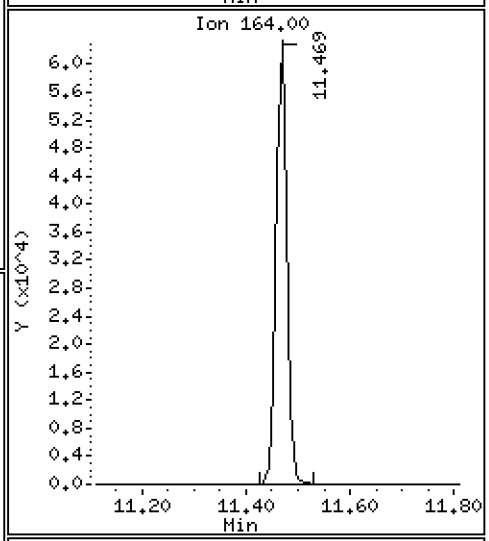
25 2,4-Dichlorophenol

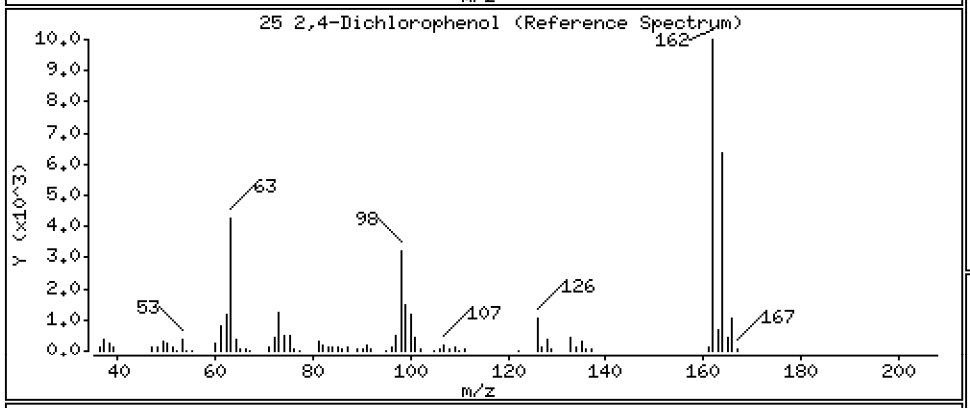
Concentration: 5.041 ug/mL

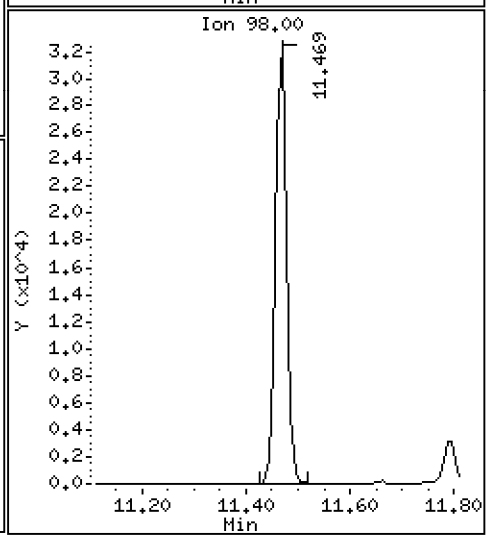


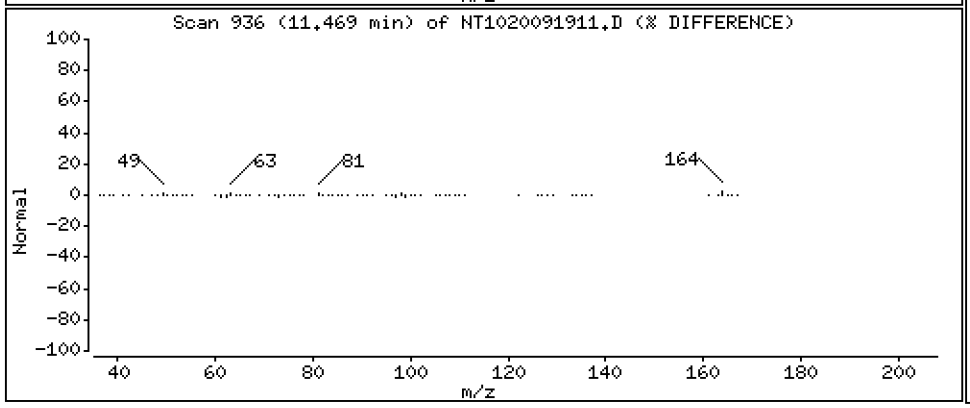












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

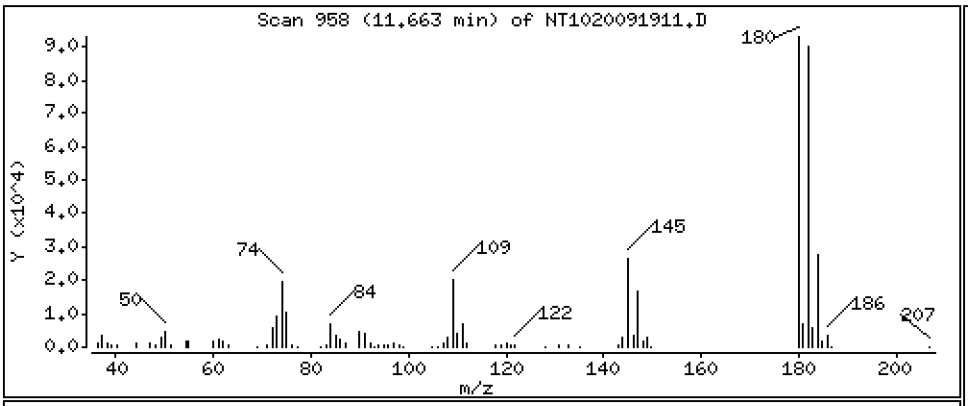
Operator: VTS

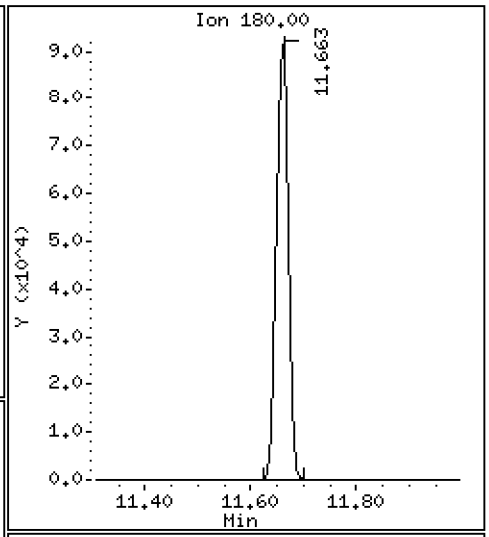
Column phase: ZB-5msi

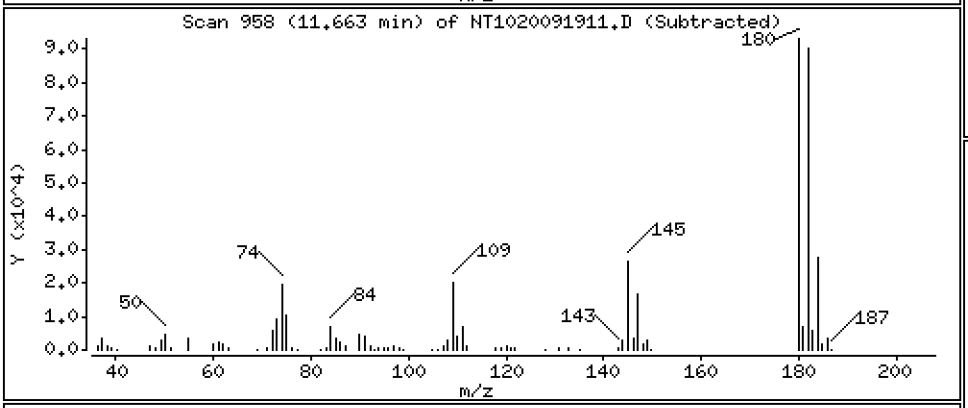
Column diameter: 0.25

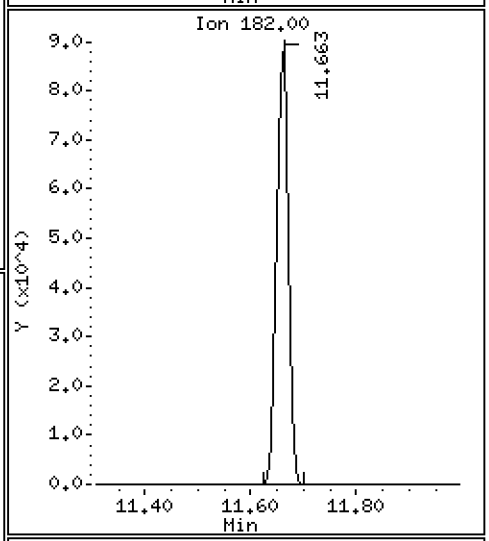
26 1,2,4-Trichlorobenzene

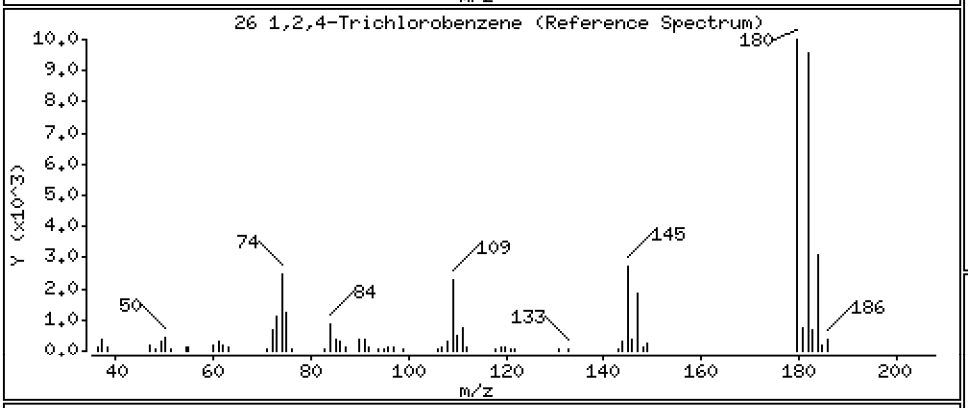
Concentration: 4.684 ug/mL

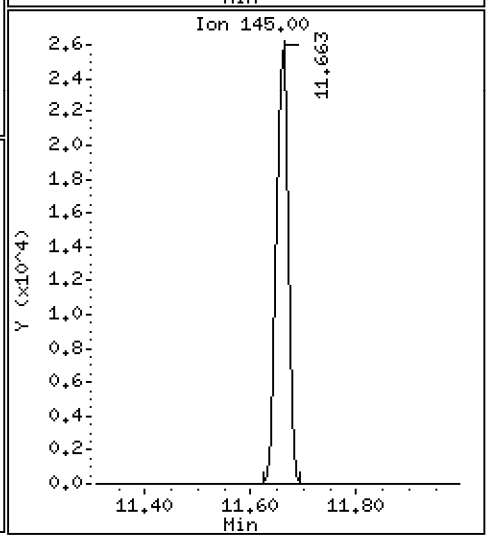


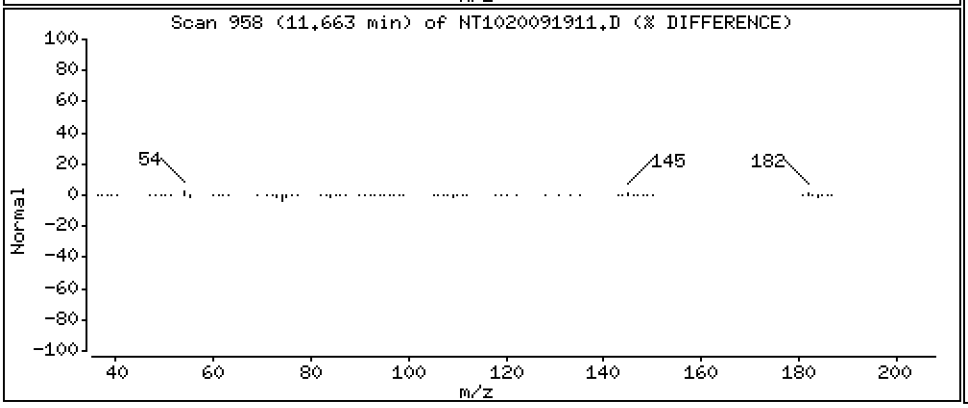












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

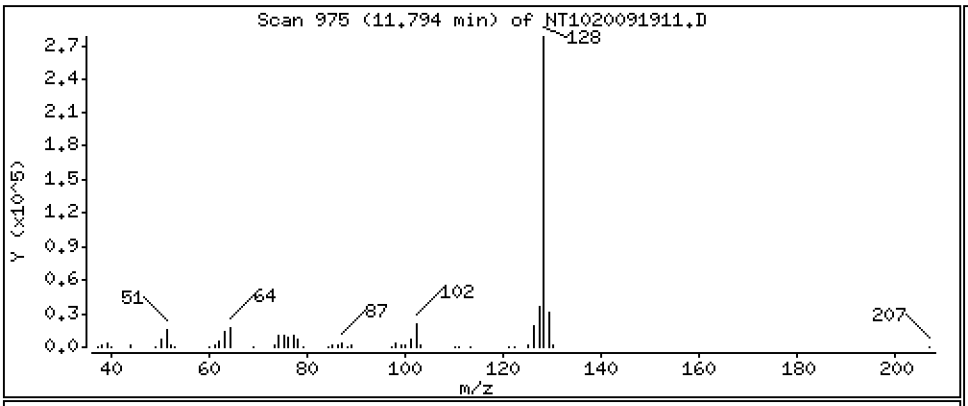
Operator: VTS

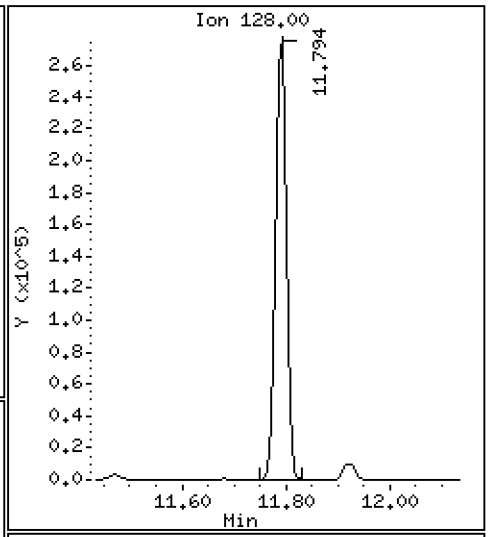
Column phase: ZB-5msi

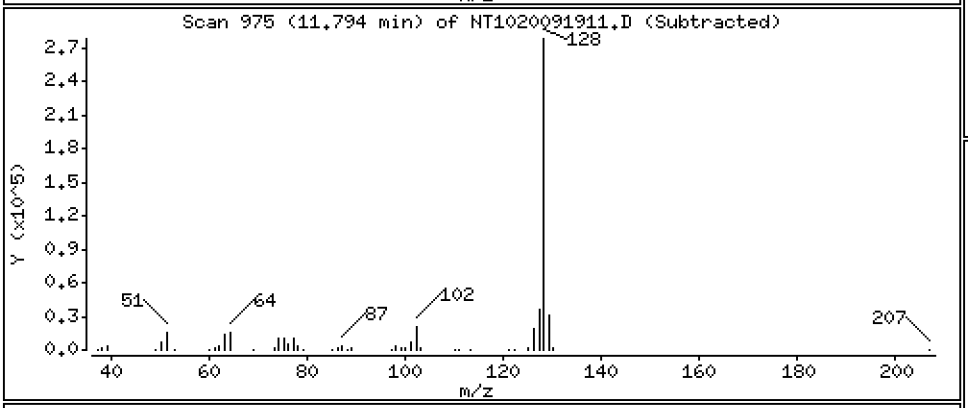
Column diameter: 0.25

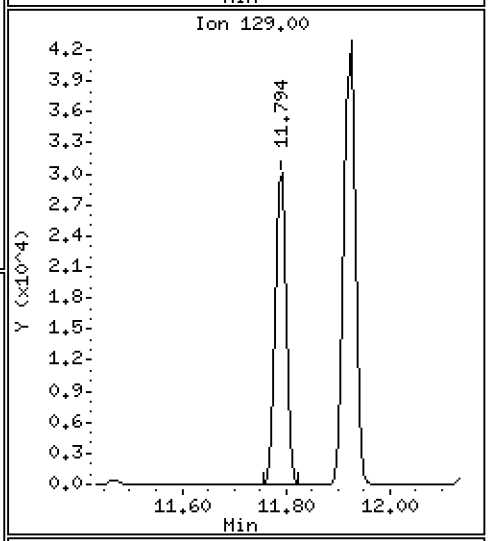
28 Naphthalene

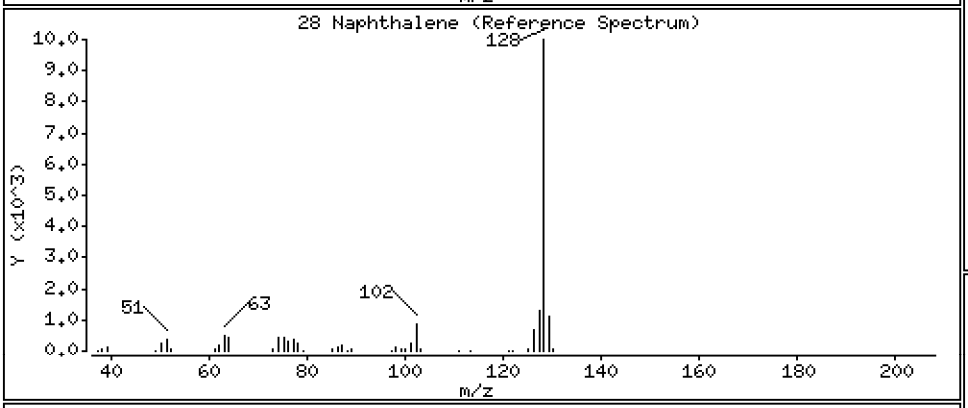
Concentration: 4.856 ug/mL

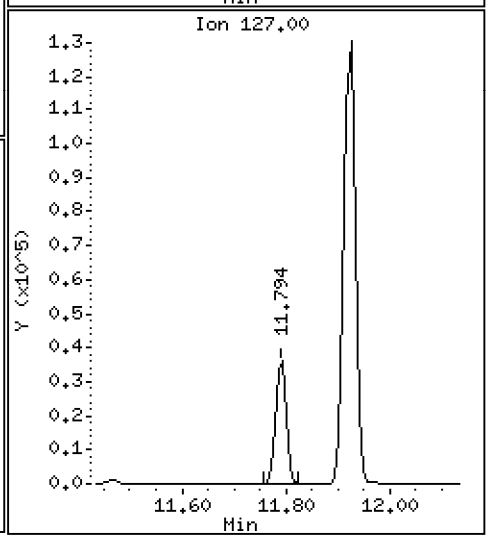


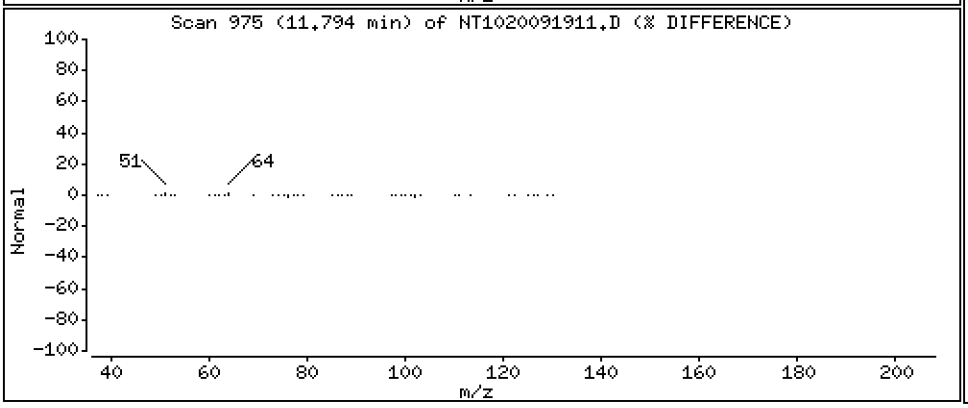












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

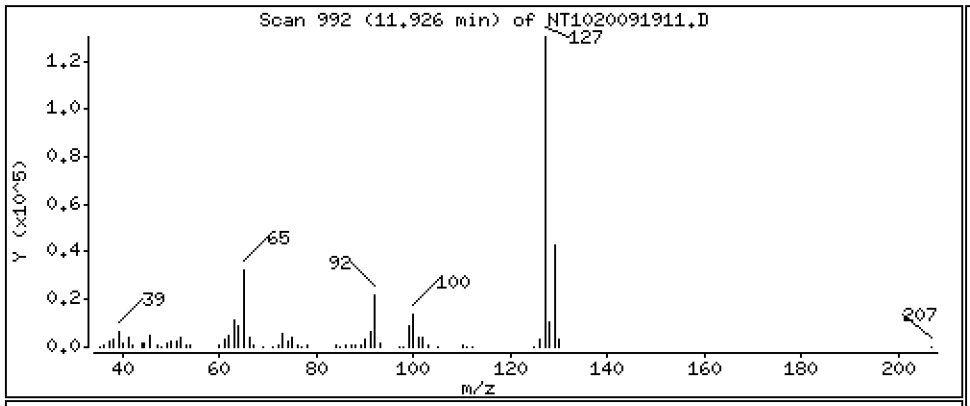
Operator: VTS

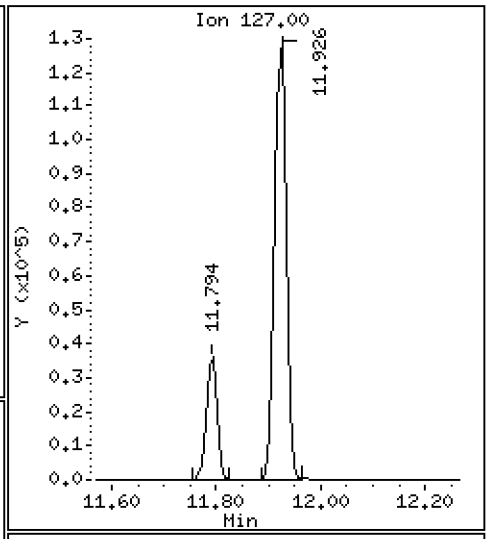
Column phase: ZB-5msi

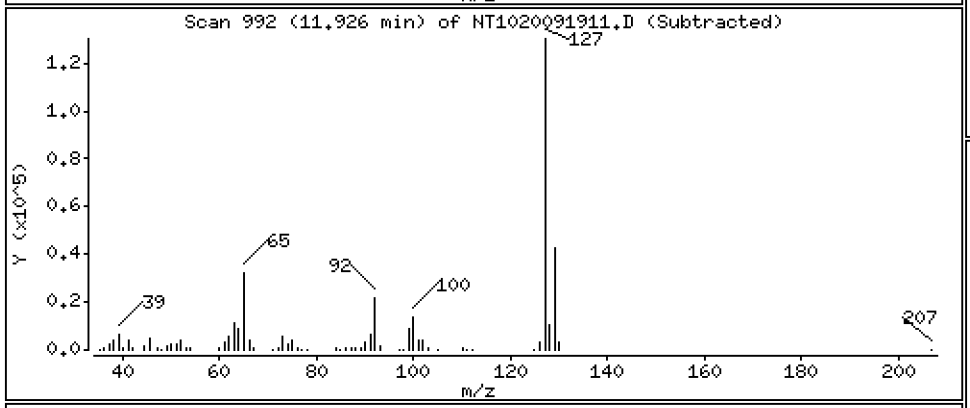
Column diameter: 0.25

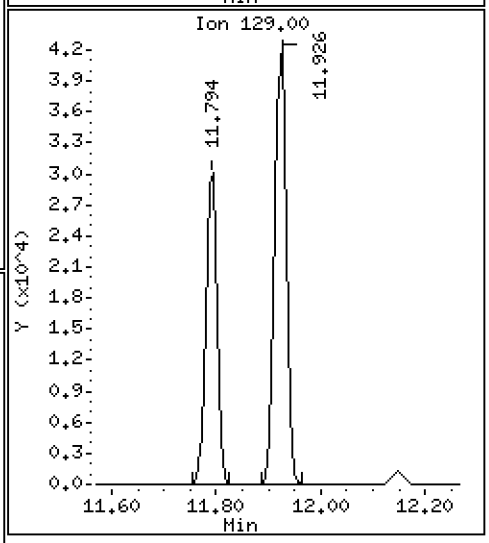
29 4-Chloroaniline

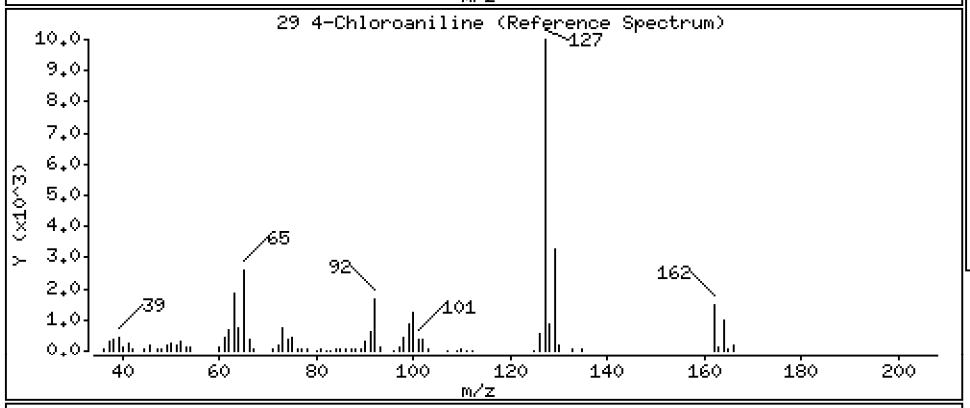
Concentration: 5.258 ug/mL

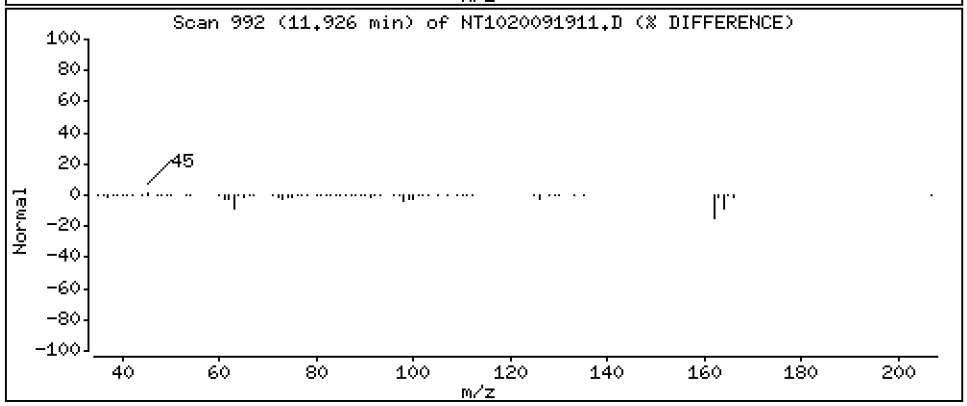












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

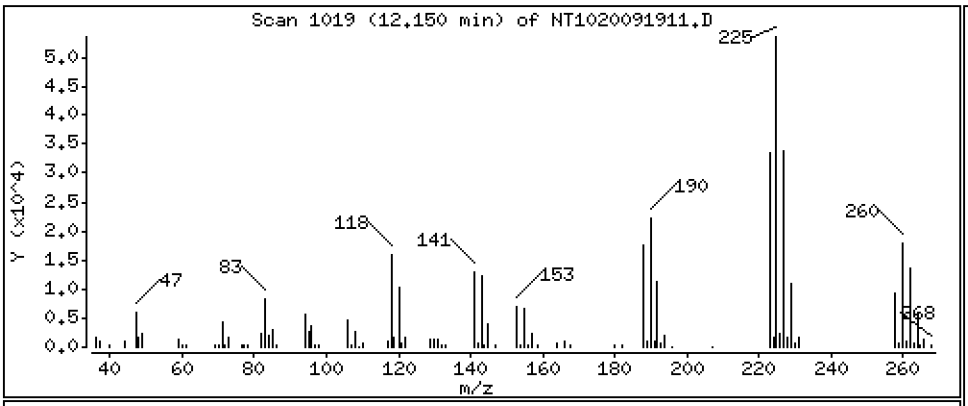
Operator: VTS

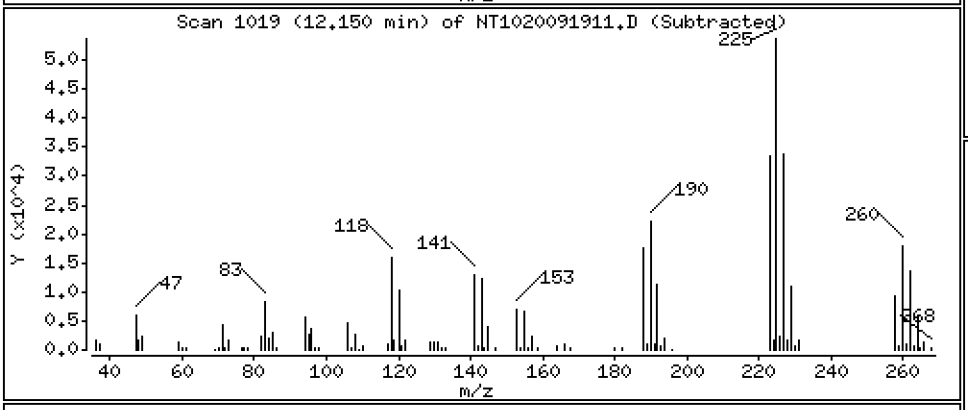
Column phase: ZB-5msi

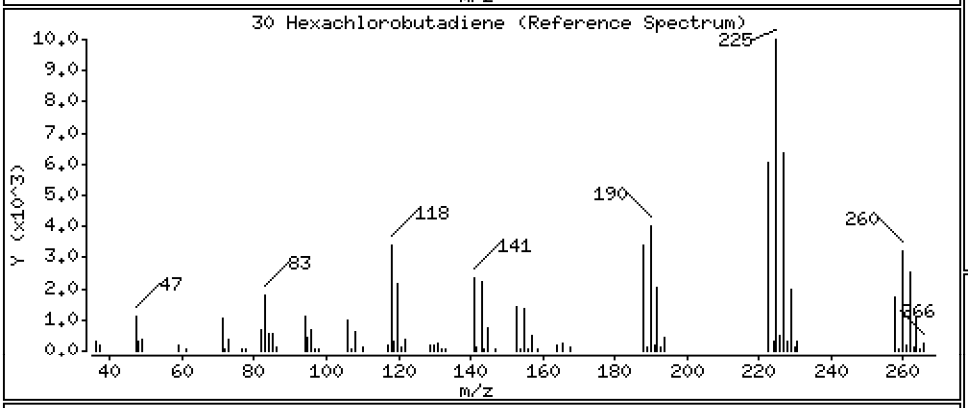
Column diameter: 0.25

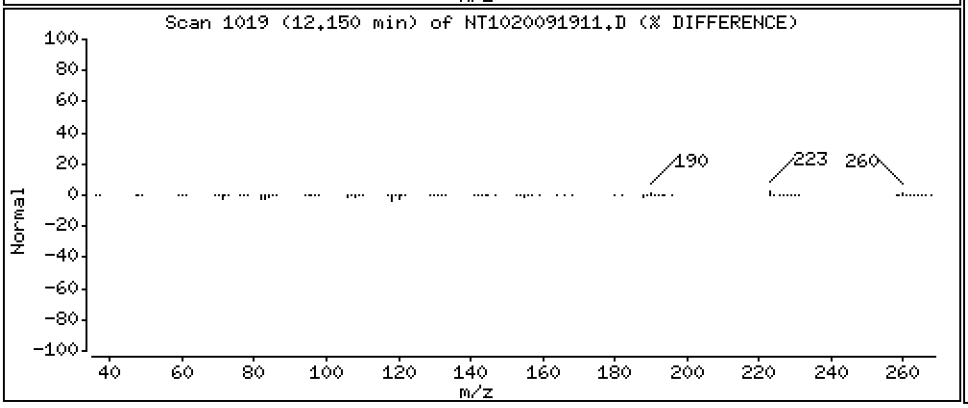
30 Hexachlorobutadiene

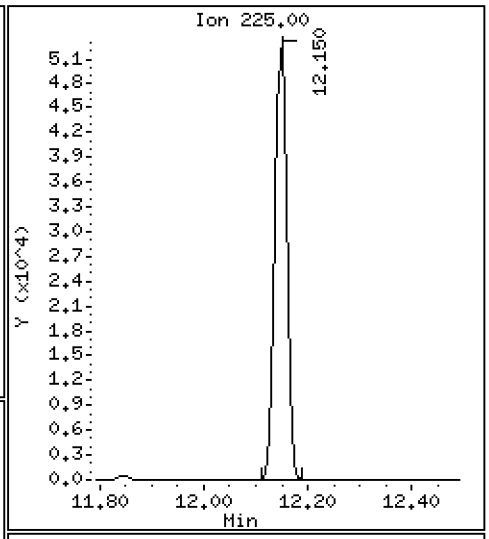
Concentration: 4.793 ug/mL

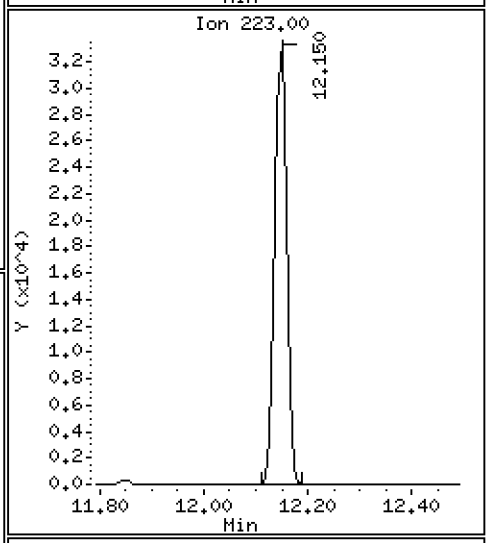


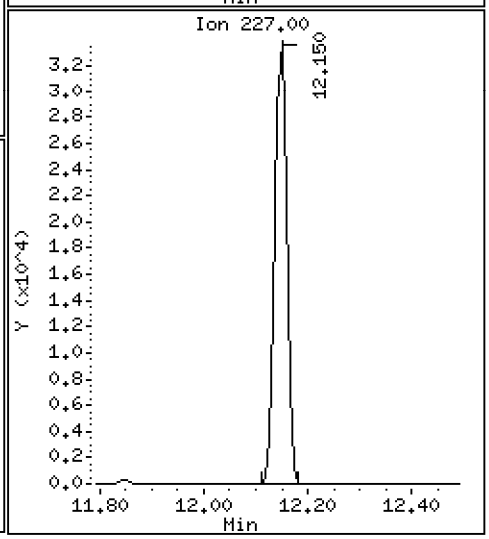












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

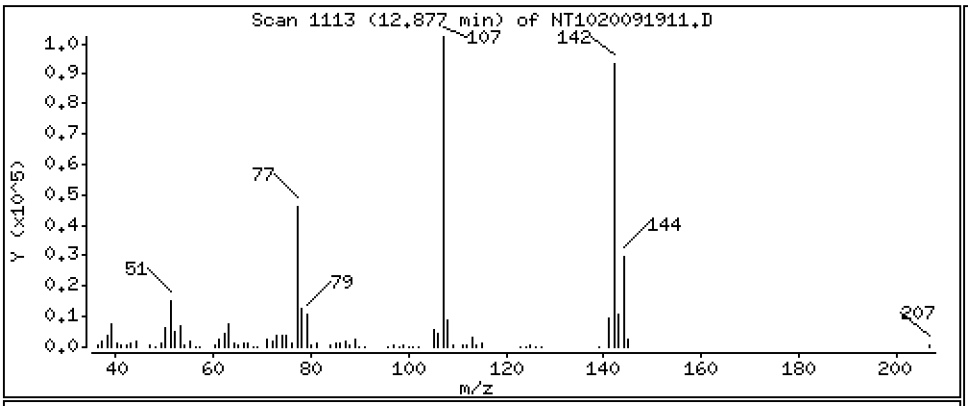
Operator: VTS

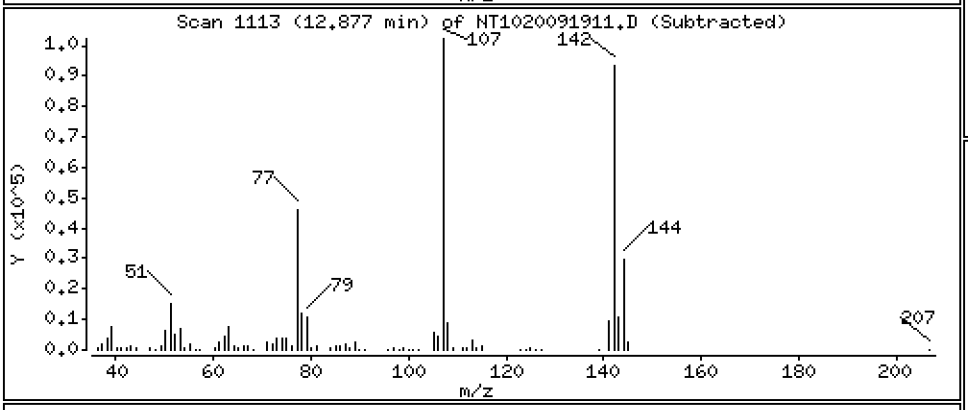
Column phase: ZB-5msi

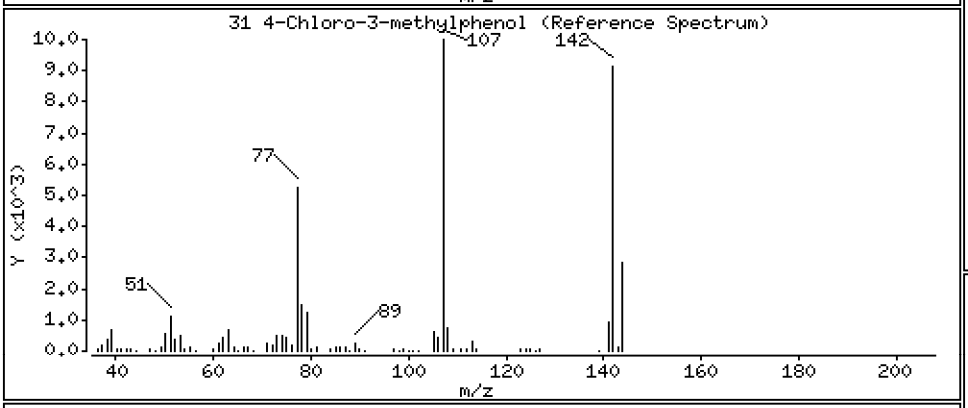
Column diameter: 0.25

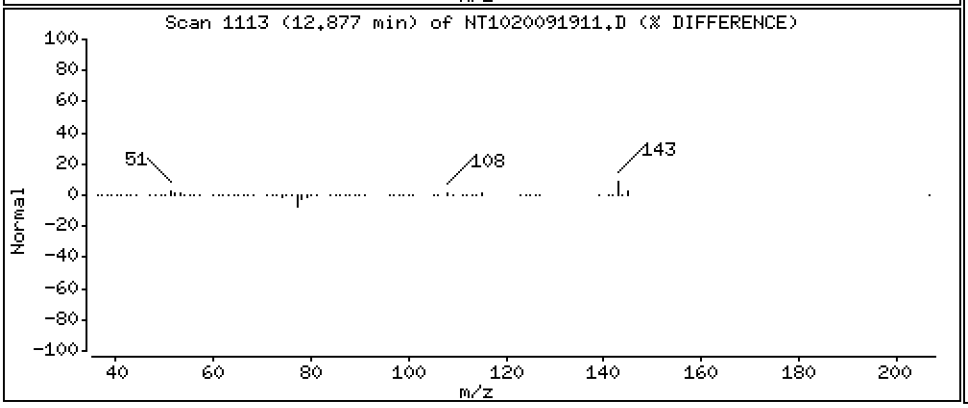
31 4-Chloro-3-methylphenol

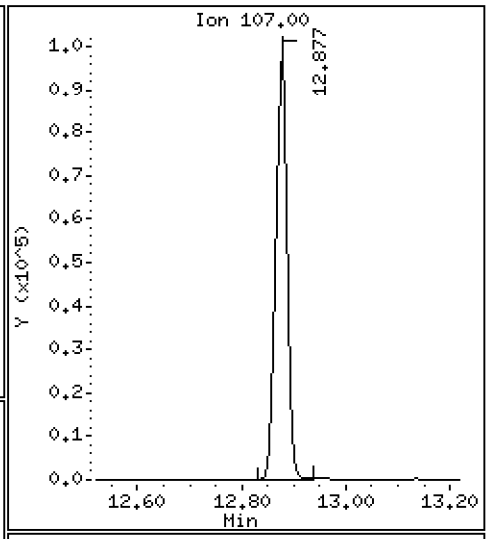
Concentration: 4.870 ug/mL

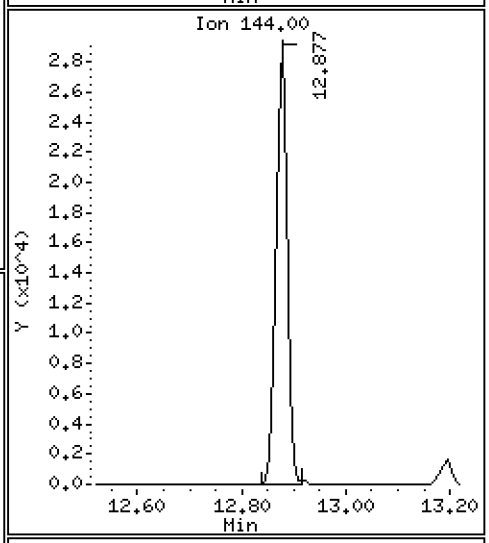


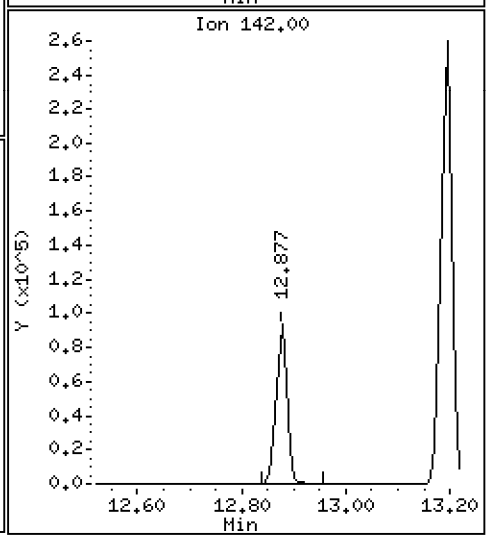












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

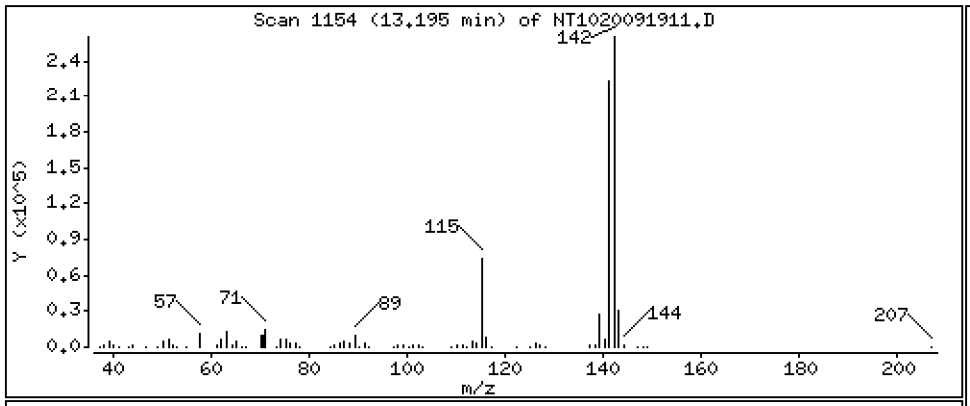
Operator: VTS

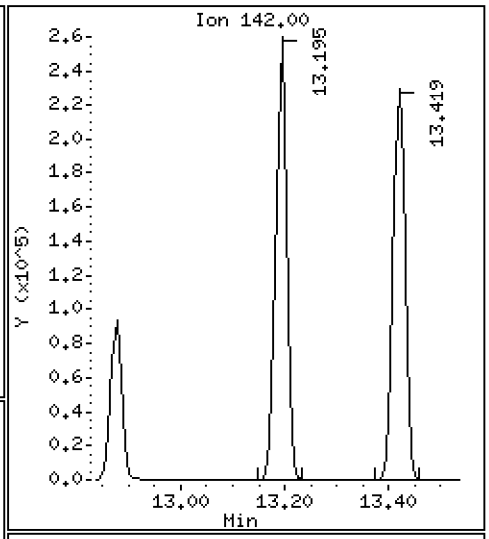
Column phase: ZB-5msi

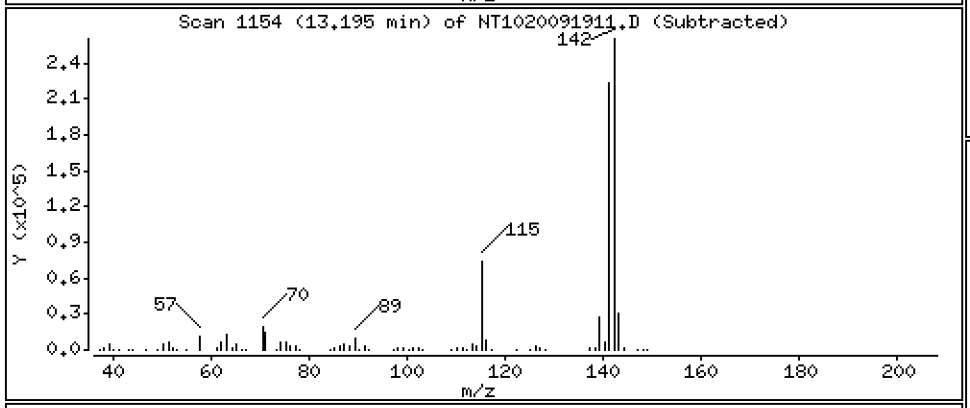
Column diameter: 0.25

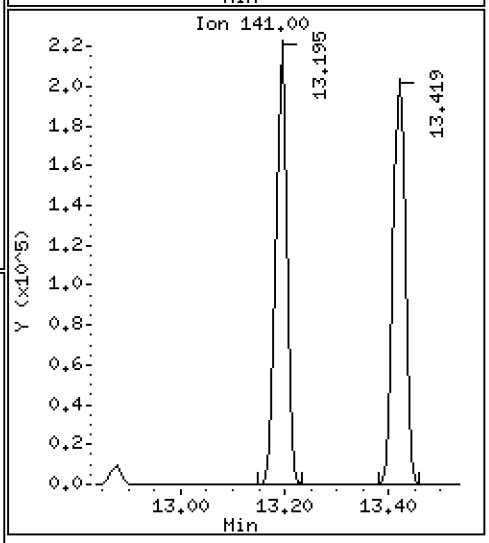
32 2-Methylnaphthalene

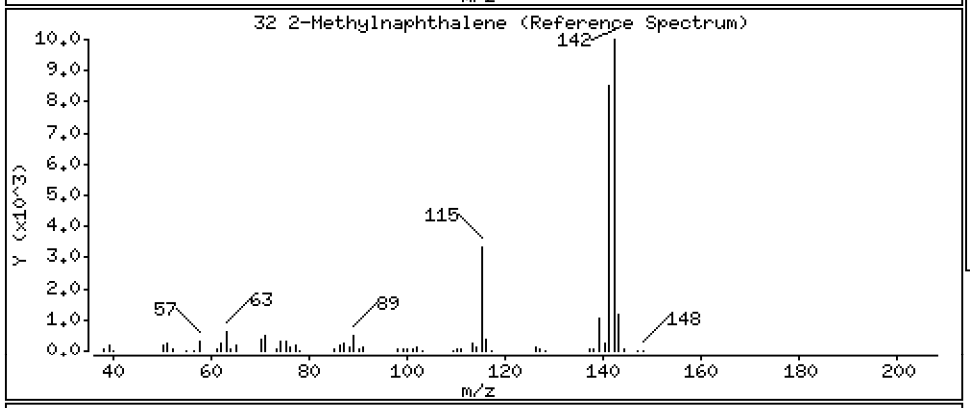
Concentration: 5.083 ug/mL

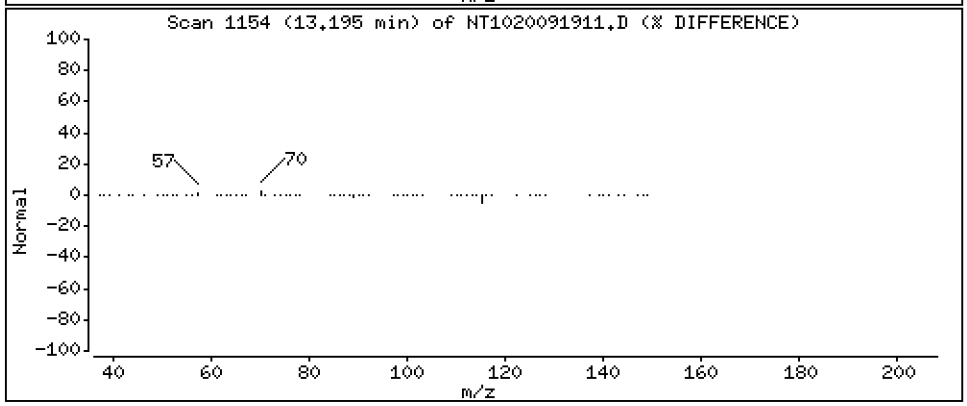












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

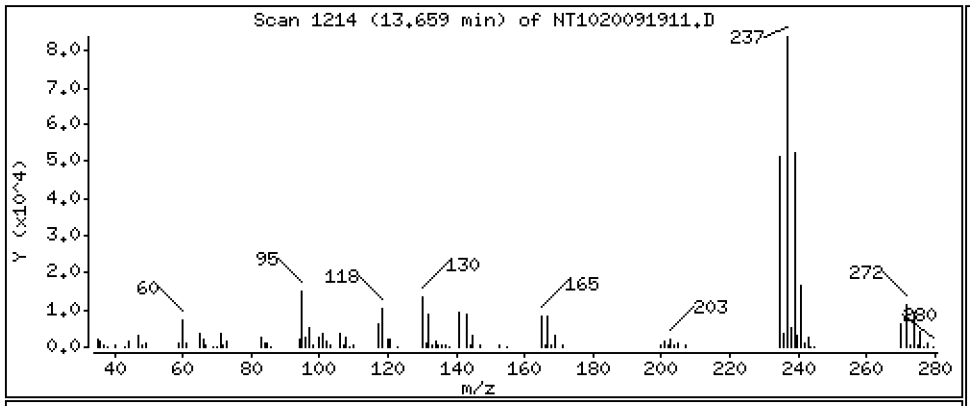
Operator: VTS

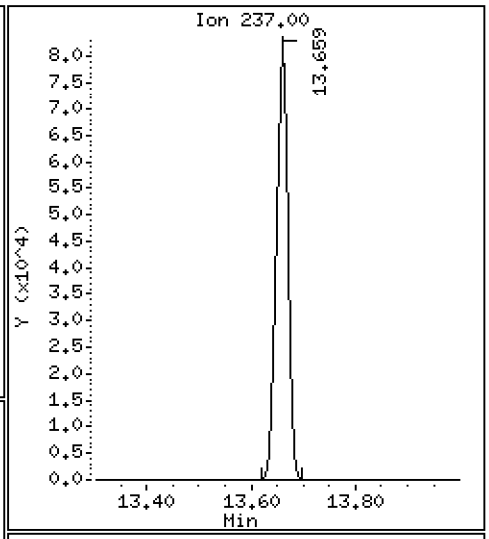
Column phase: ZB-5msi

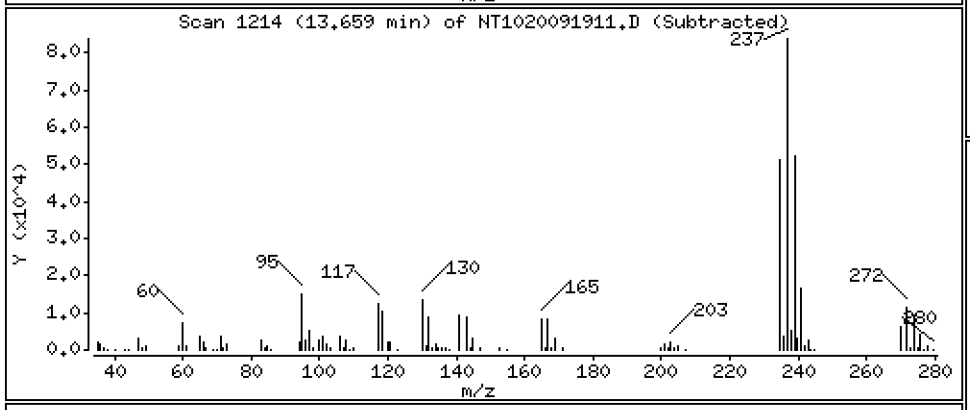
Column diameter: 0.25

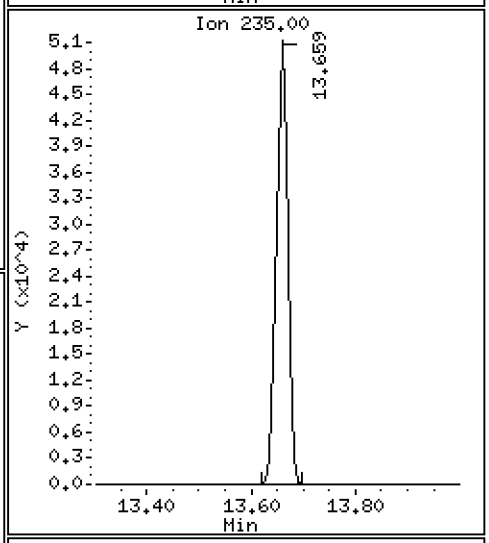
33 Hexachlorocyclopentadiene

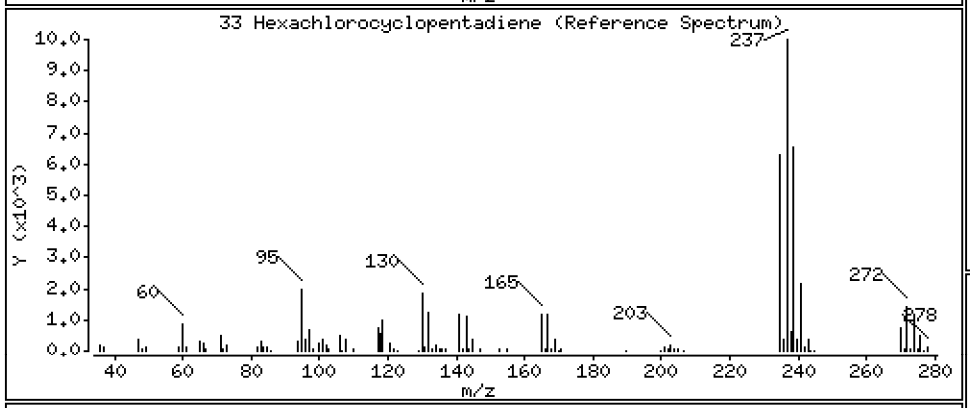
Concentration: 5.514 ug/mL

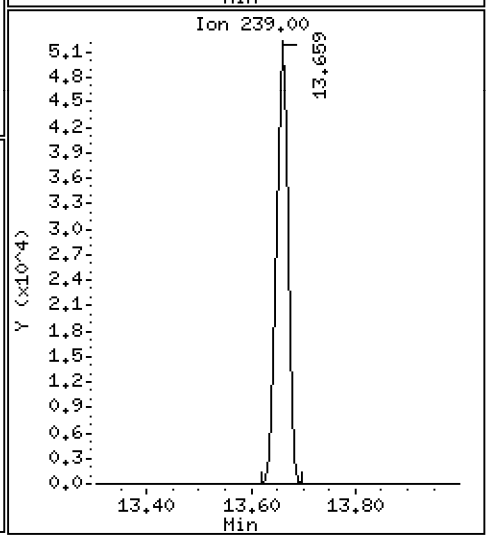


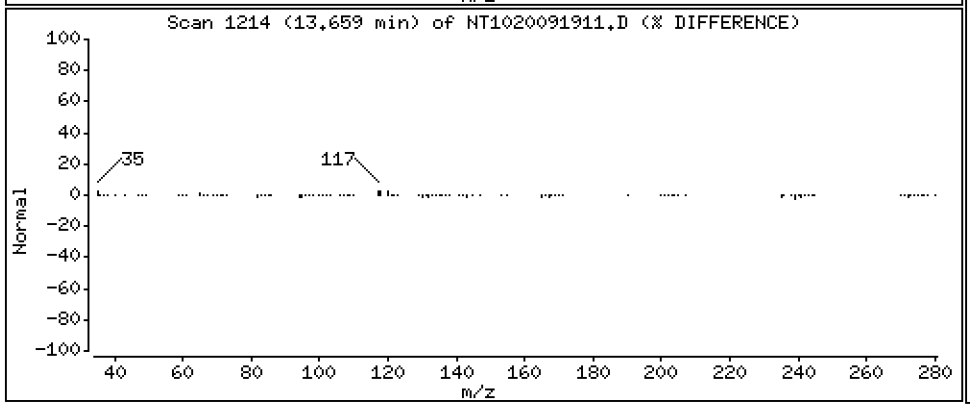












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

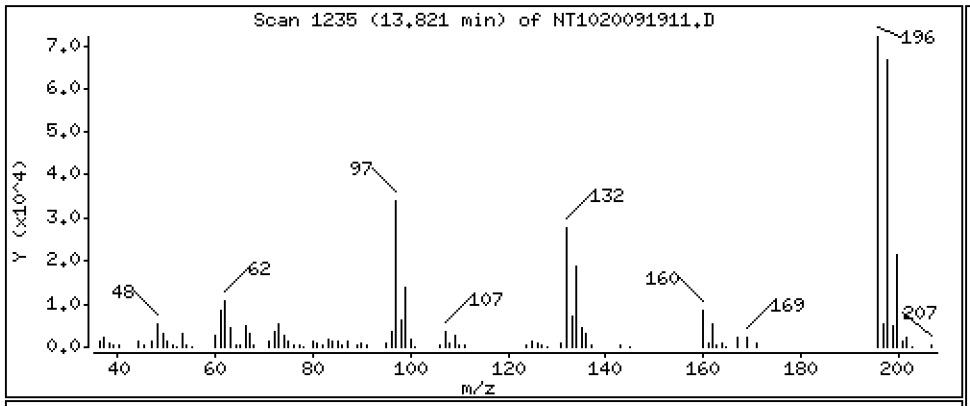
Operator: VTS

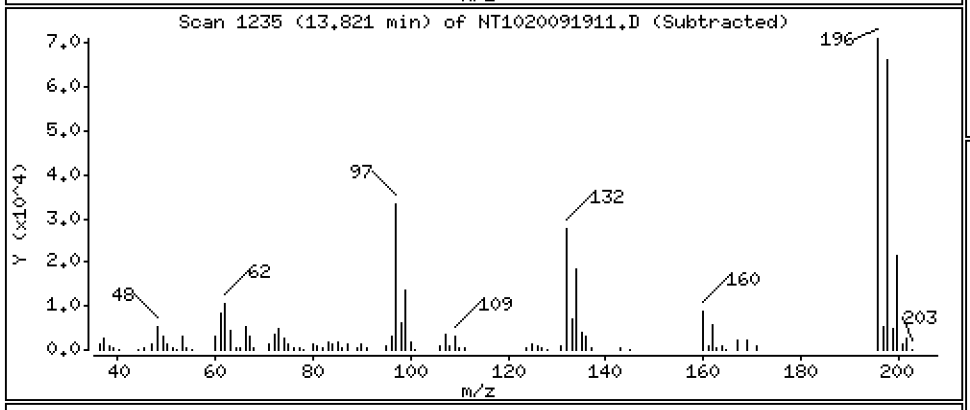
Column phase: ZB-5msi

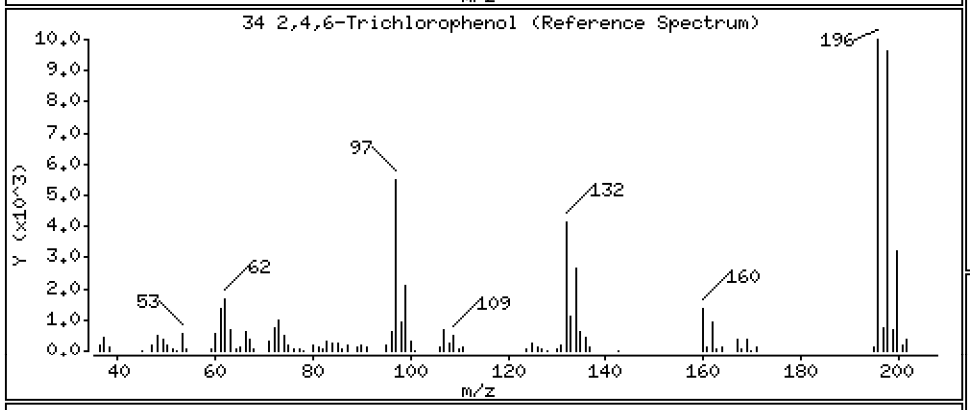
Column diameter: 0.25

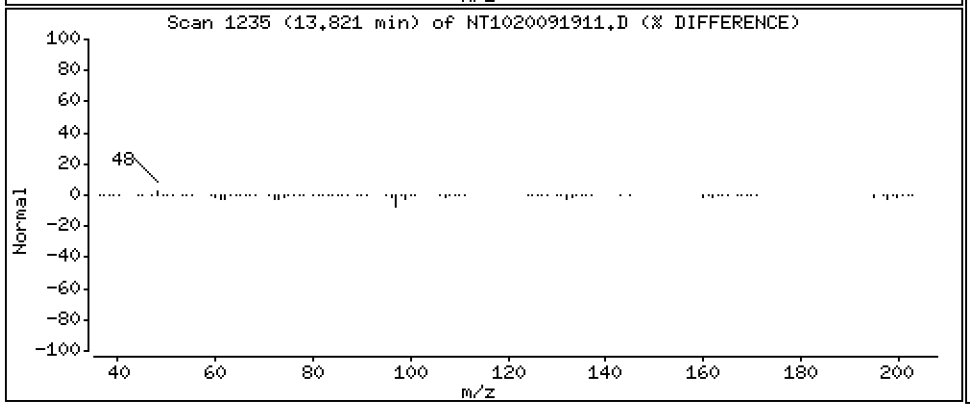
34 2,4,6-Trichlorophenol

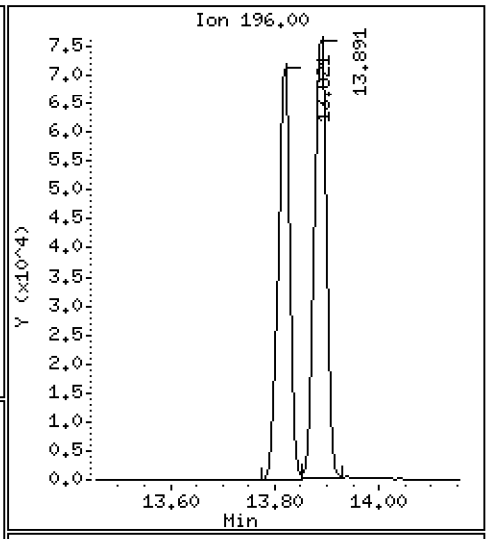
Concentration: 4.978 ug/mL

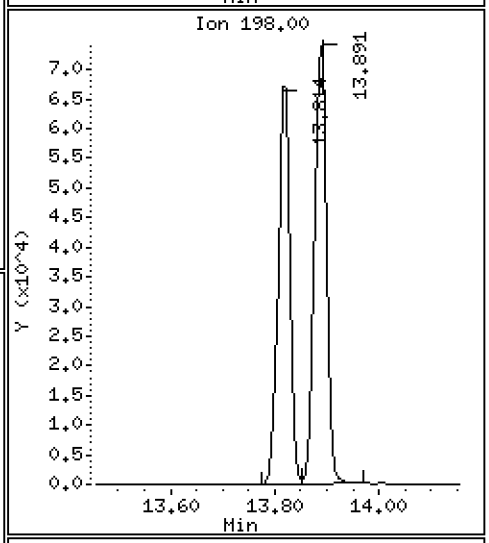


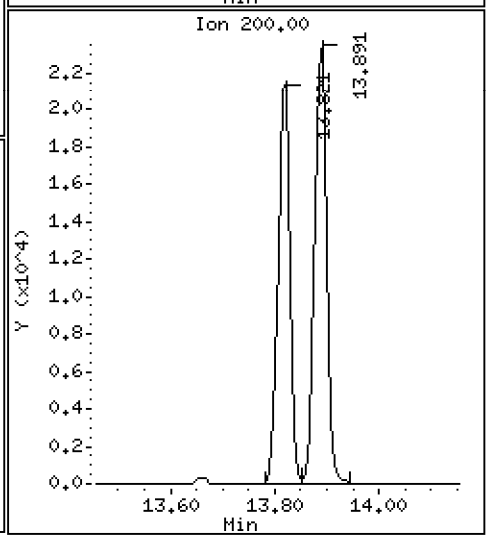












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

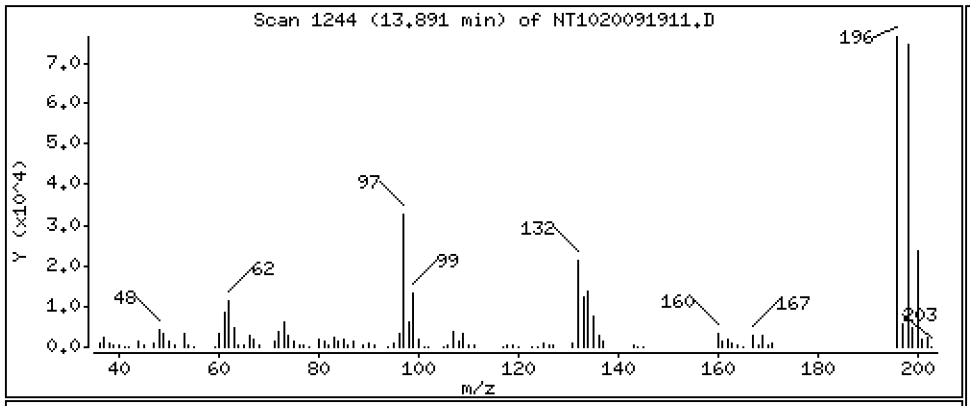
Operator: VTS

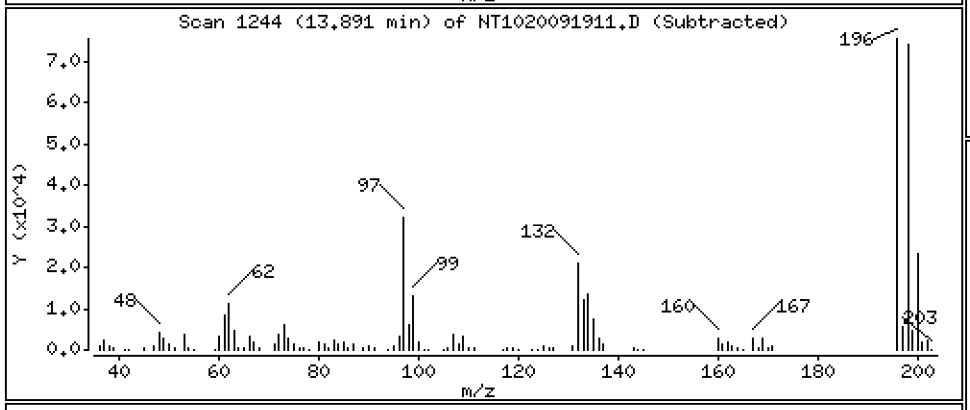
Column phase: ZB-5msi

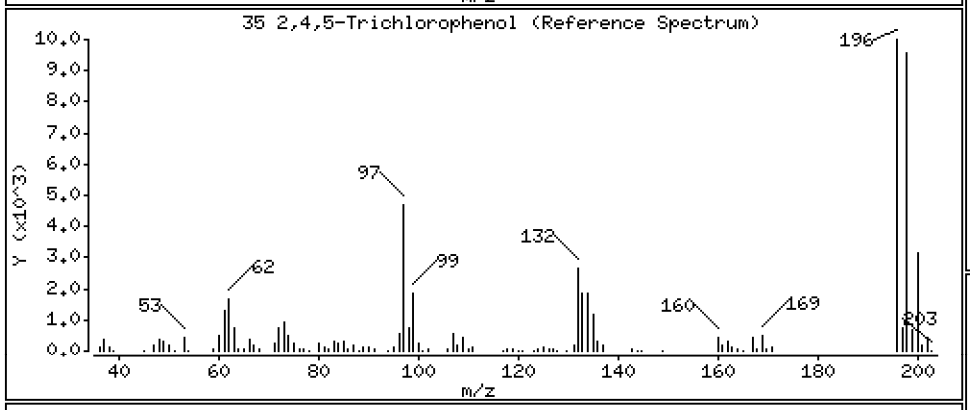
Column diameter: 0.25

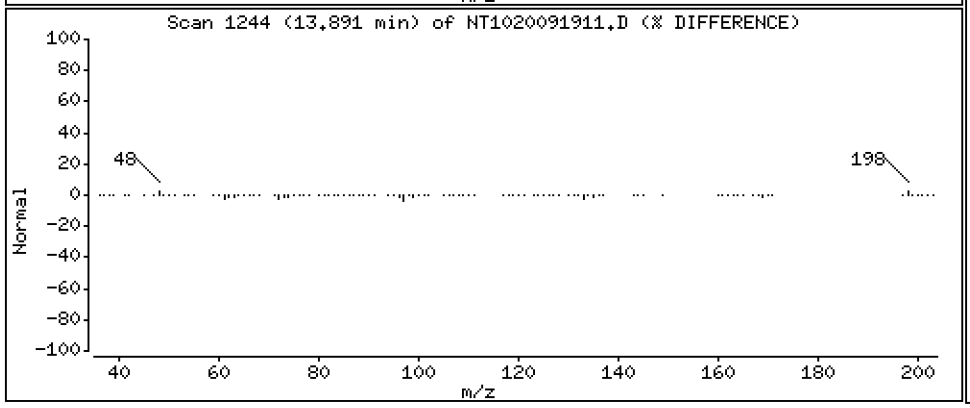
35 2,4,5-Trichlorophenol

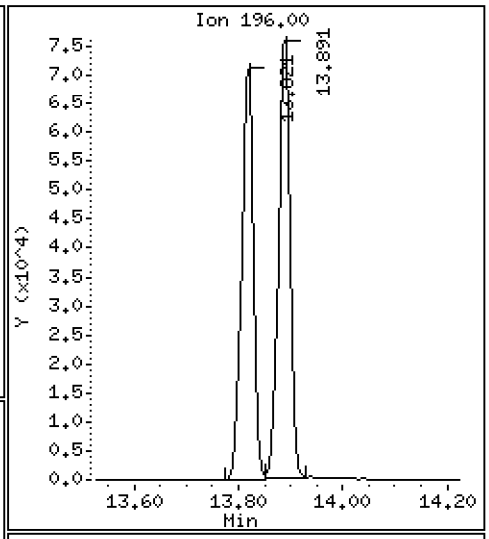
Concentration: 4.830 ug/mL

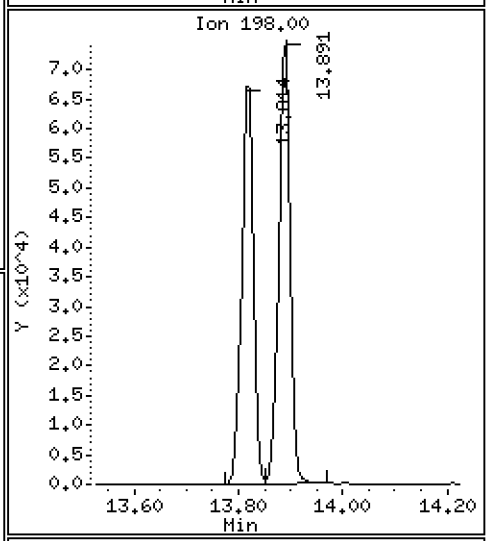


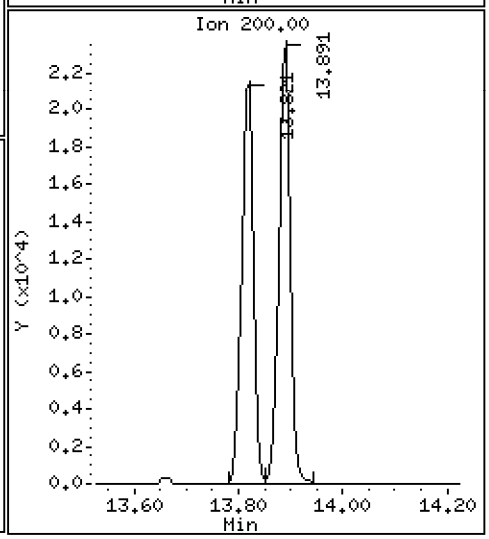












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

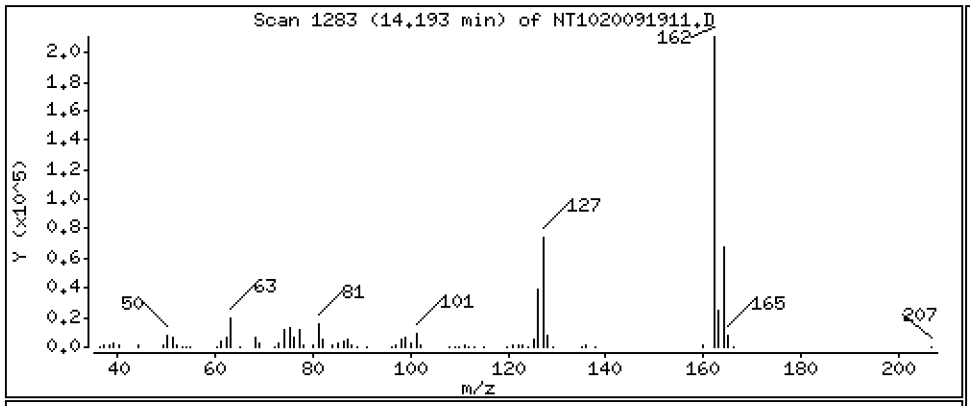
Operator: VTS

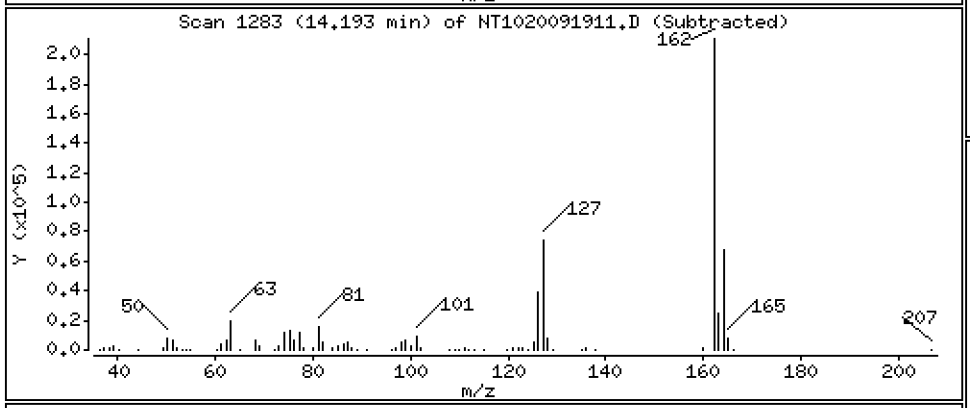
Column phase: ZB-5msi

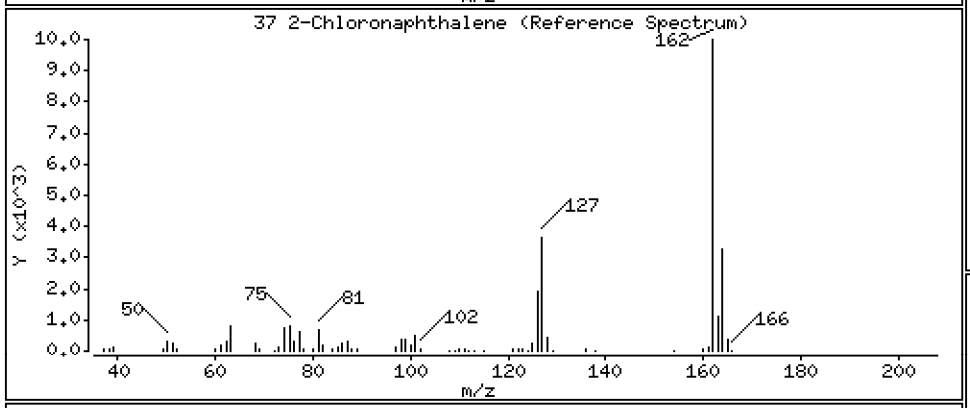
Column diameter: 0.25

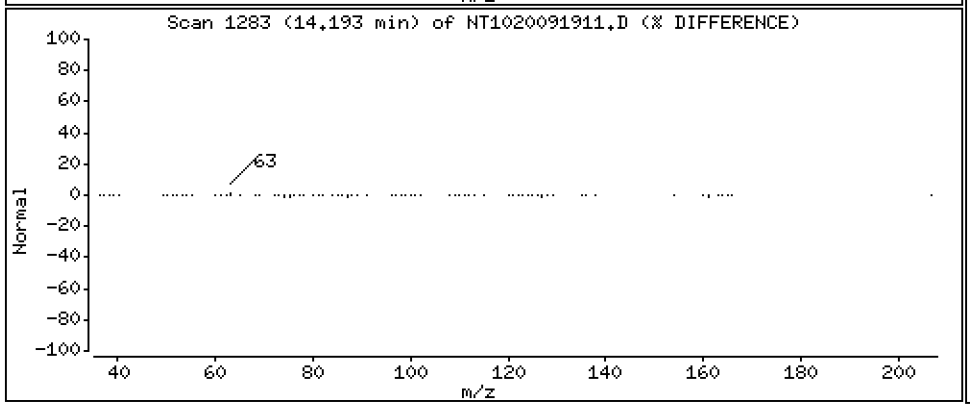
37 2-Chloronaphthalene

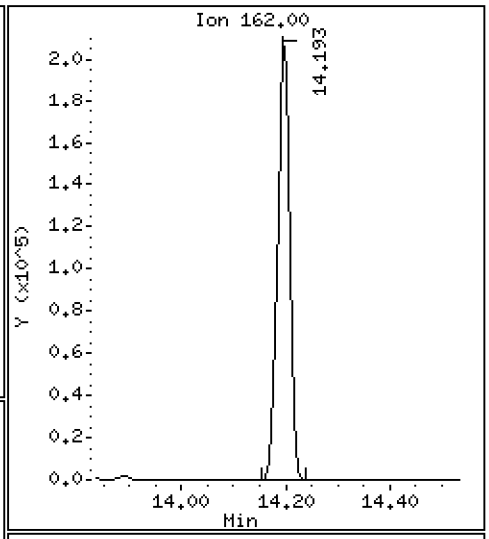
Concentration: 4.772 ug/mL

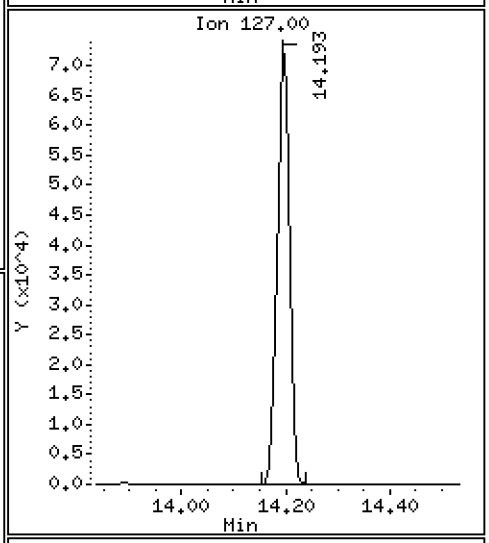


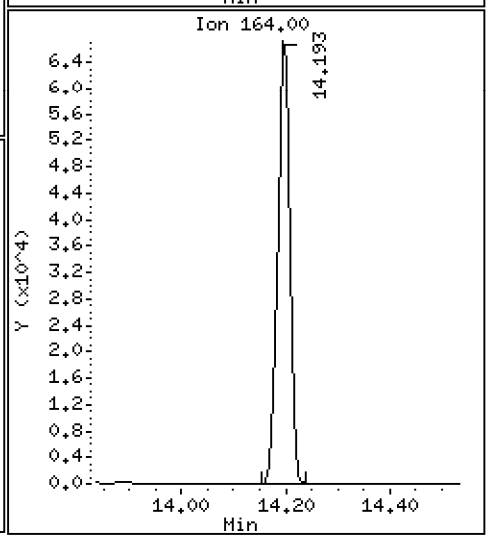












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

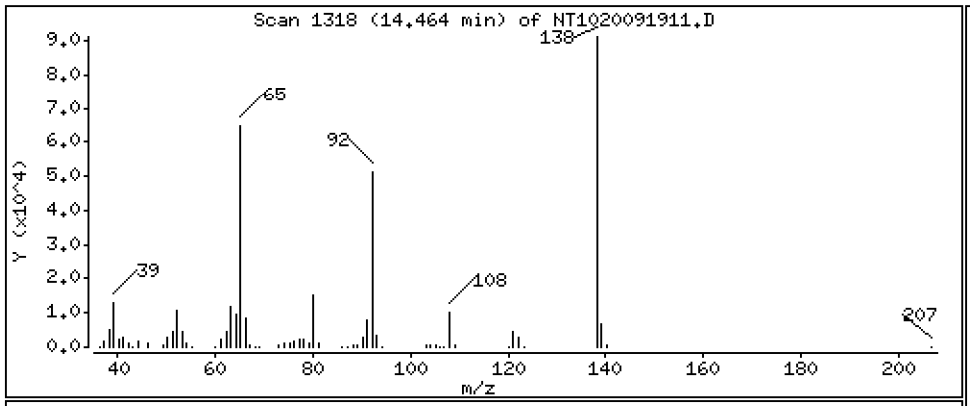
Operator: VTS

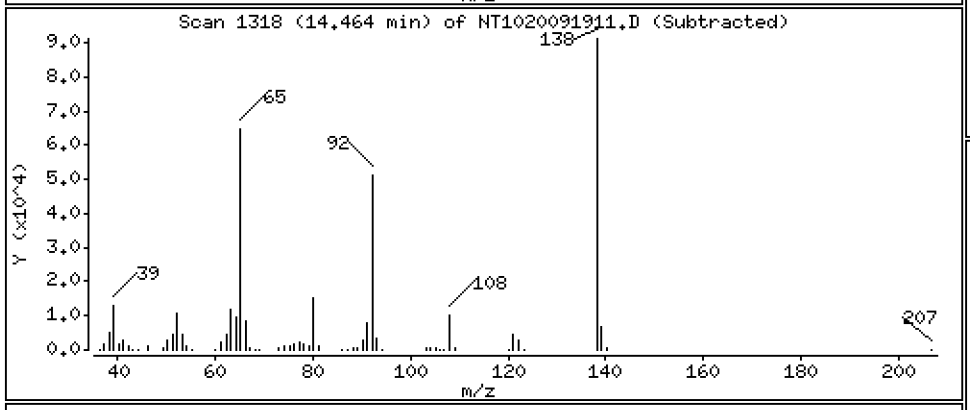
Column phase: ZB-5msi

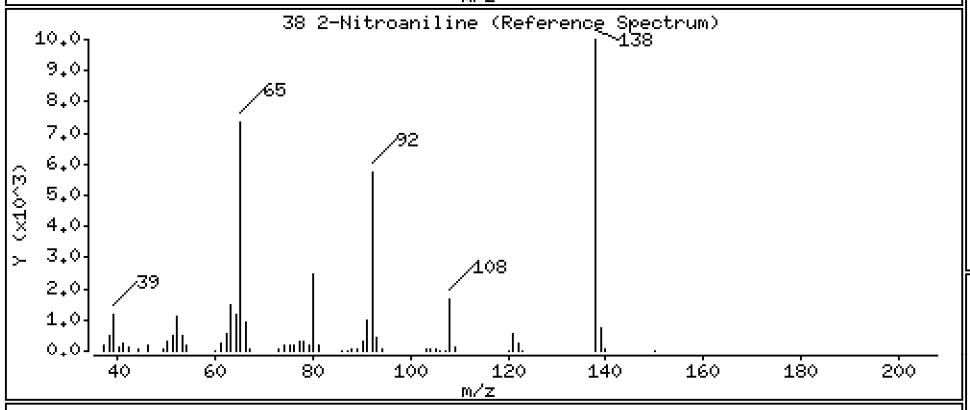
Column diameter: 0.25

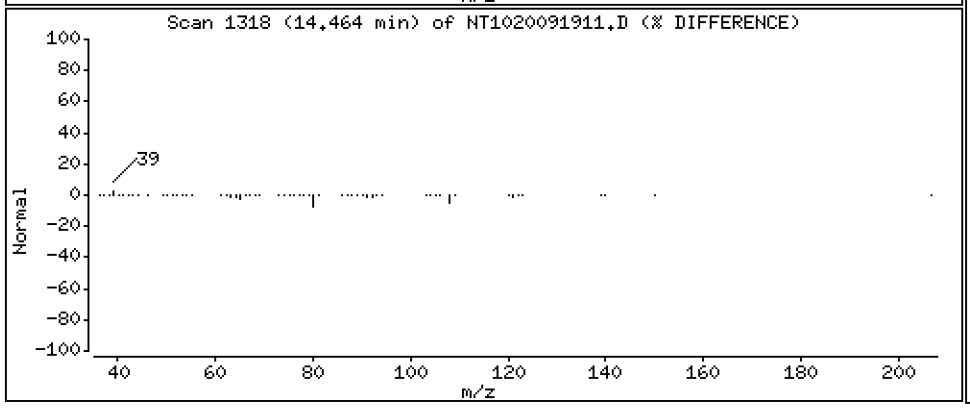
38 2-Nitroaniline

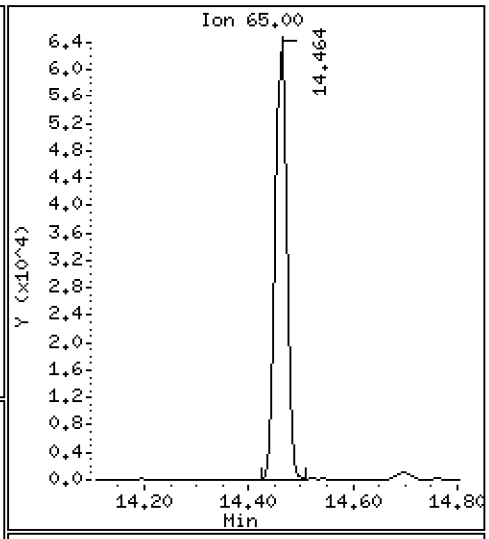
Concentration: 5.041 ug/mL

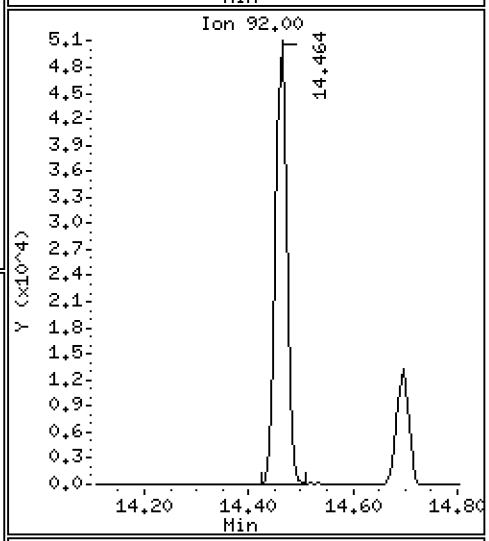


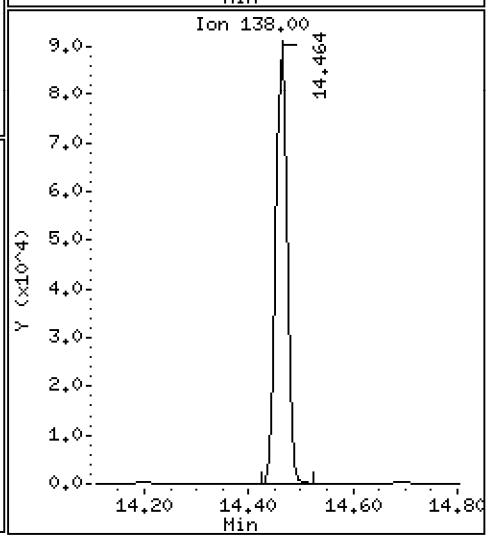












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

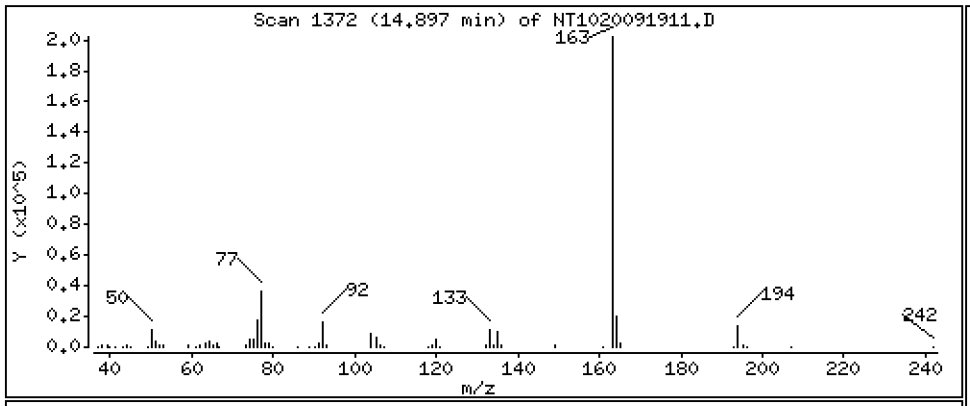
Operator: VTS

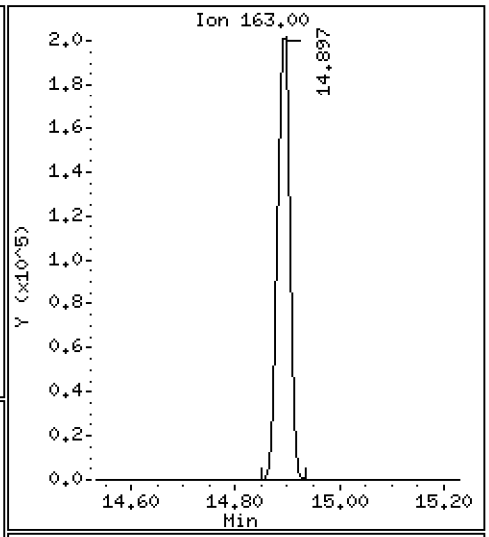
Column phase: ZB-5msi

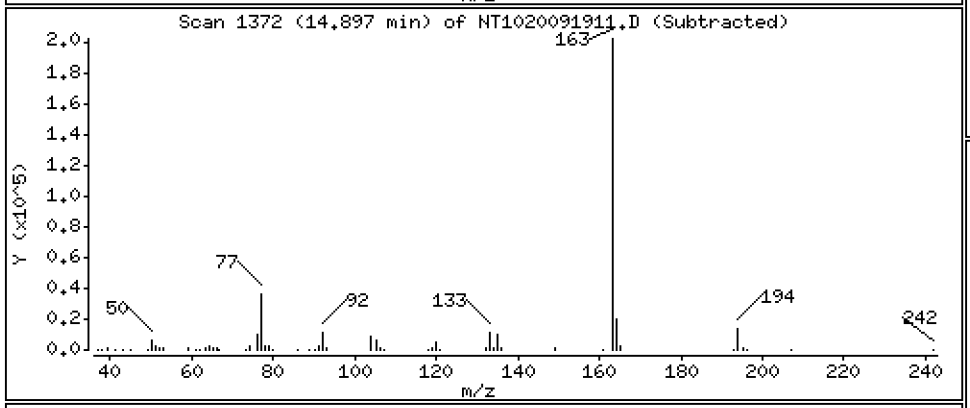
Column diameter: 0.25

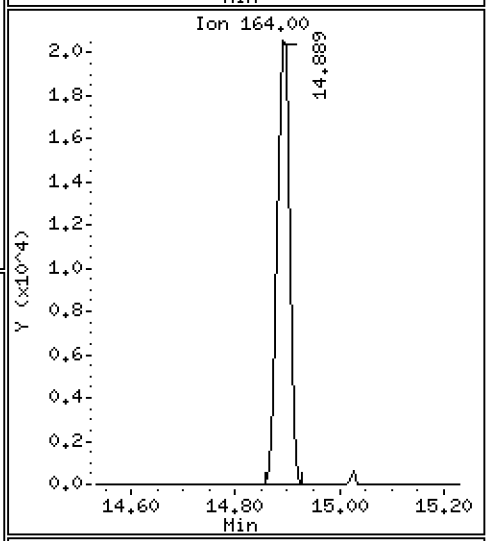
39 Dimethylphthalate

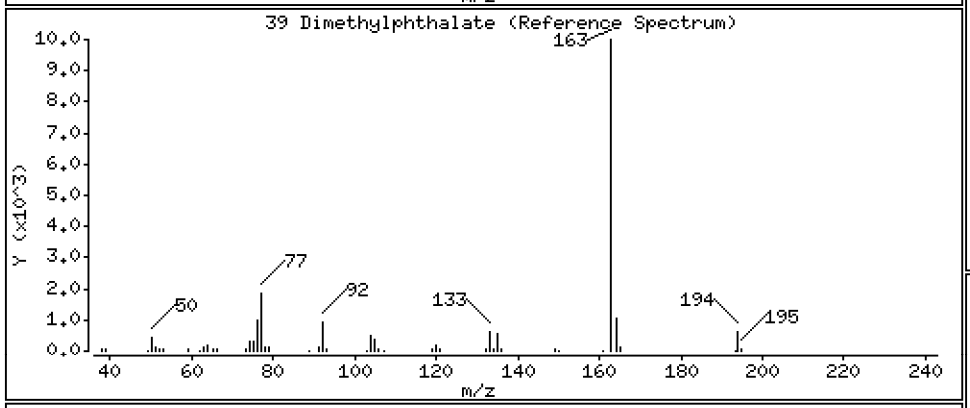
Concentration: 4.685 ug/mL

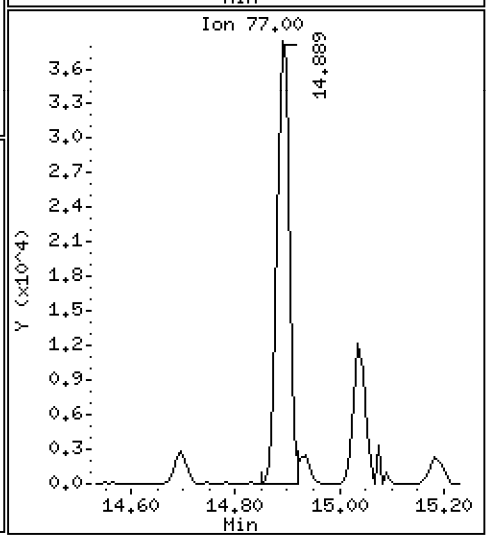


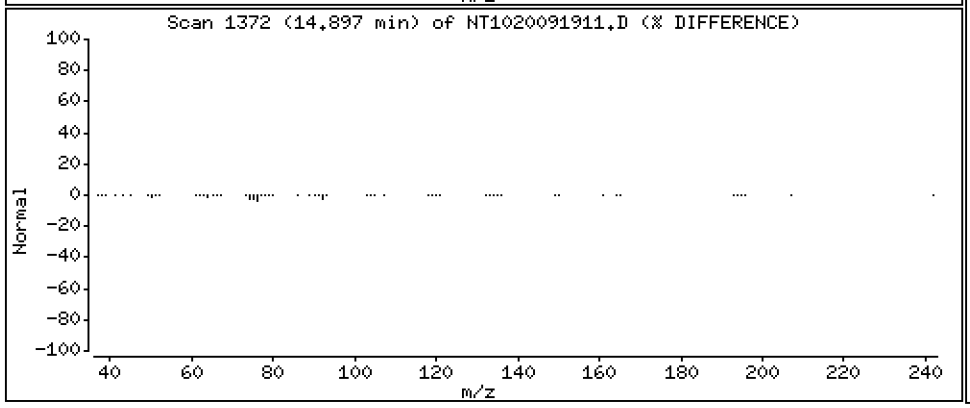












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

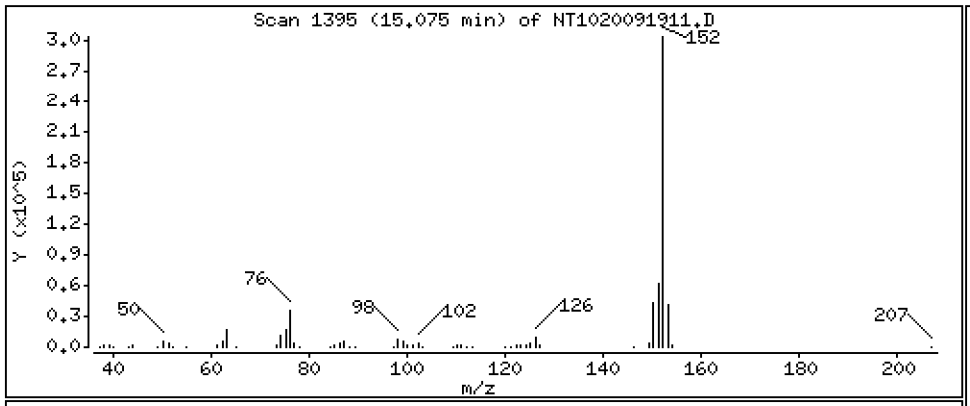
Operator: VTS

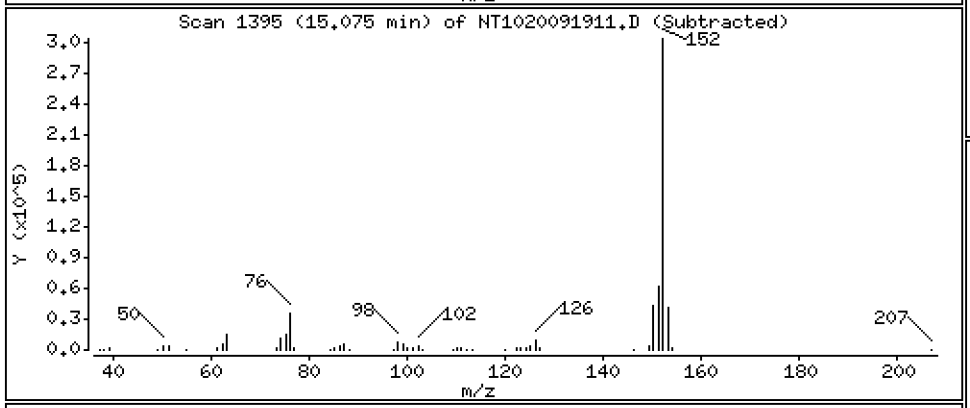
Column phase: ZB-5msi

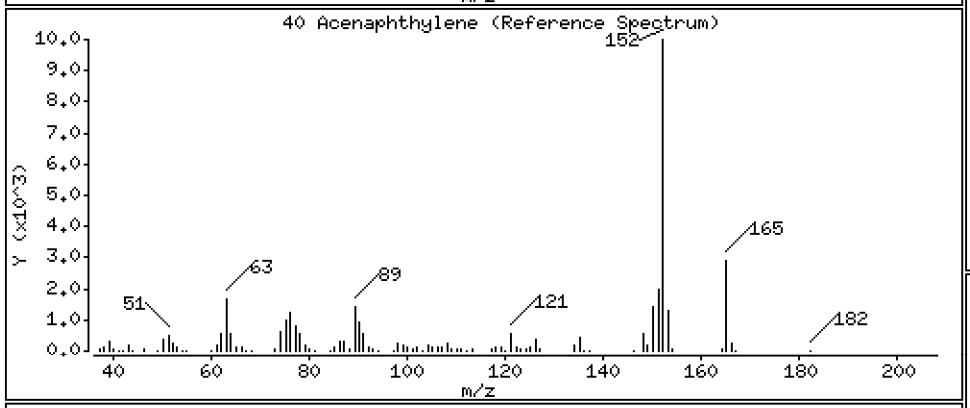
Column diameter: 0.25

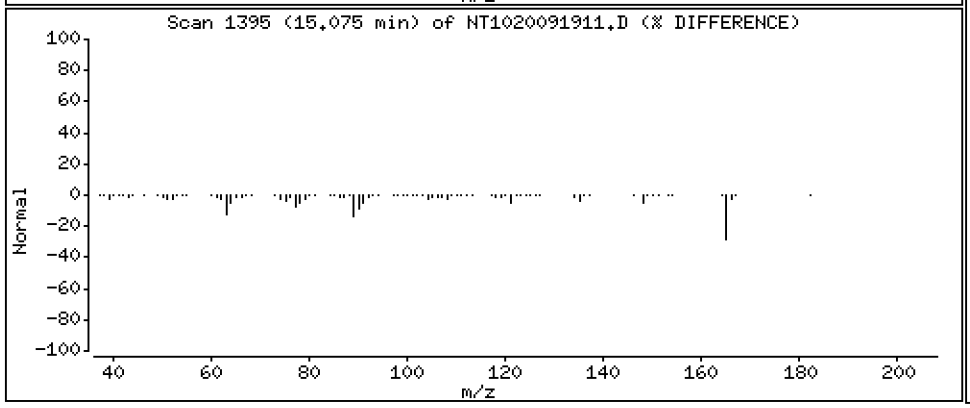
40 Acenaphthylene

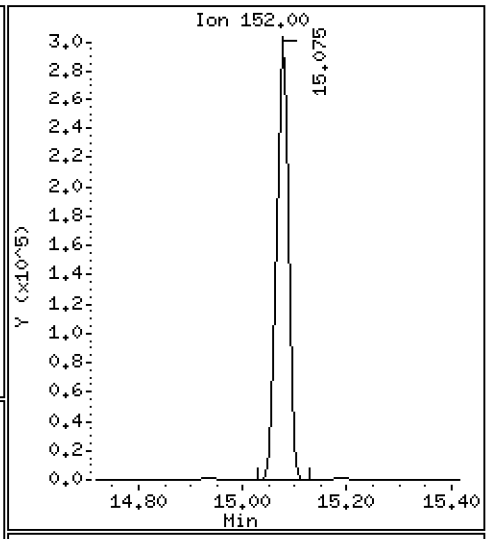
Concentration: 4.602 ug/mL

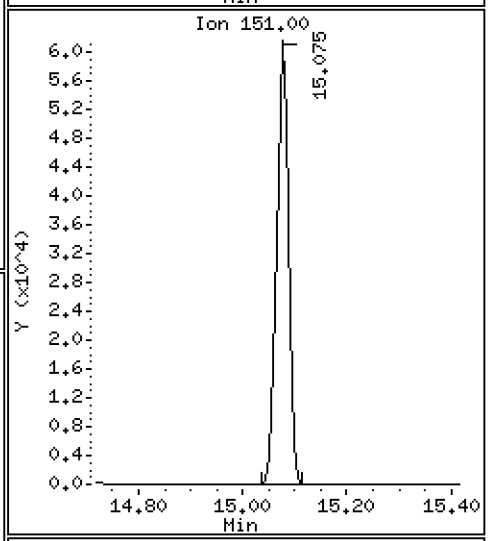


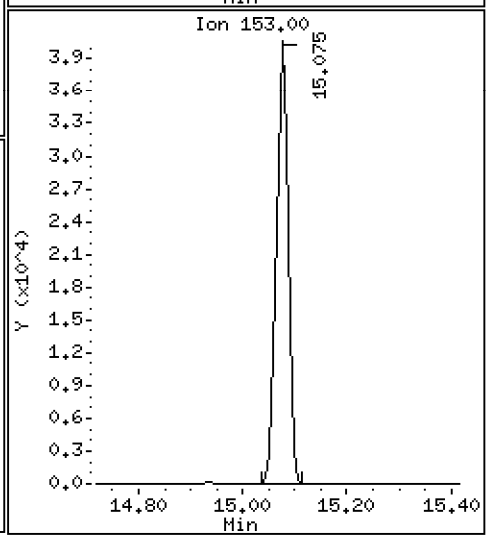












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

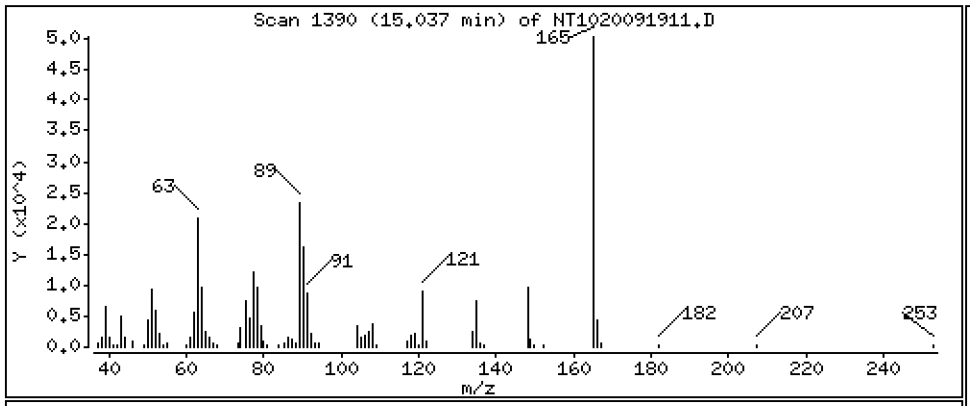
Operator: VTS

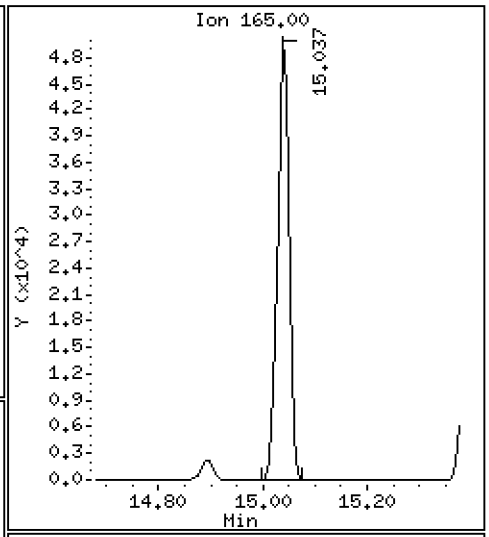
Column phase: ZB-5msi

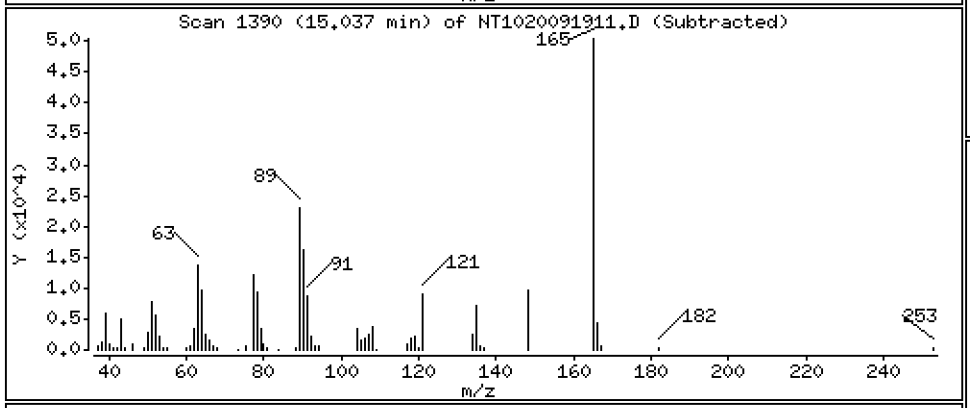
Column diameter: 0.25

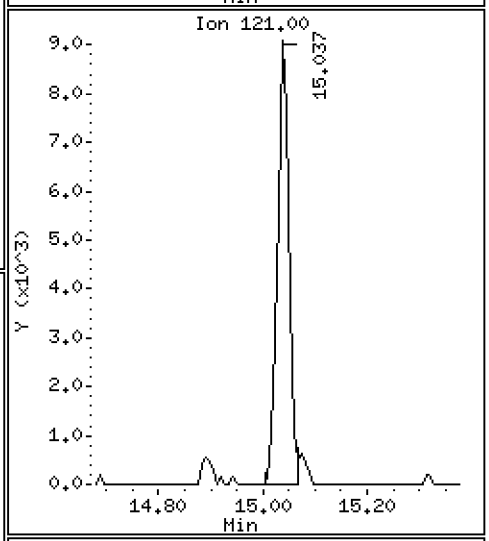
41 2,6-Dinitrotoluene

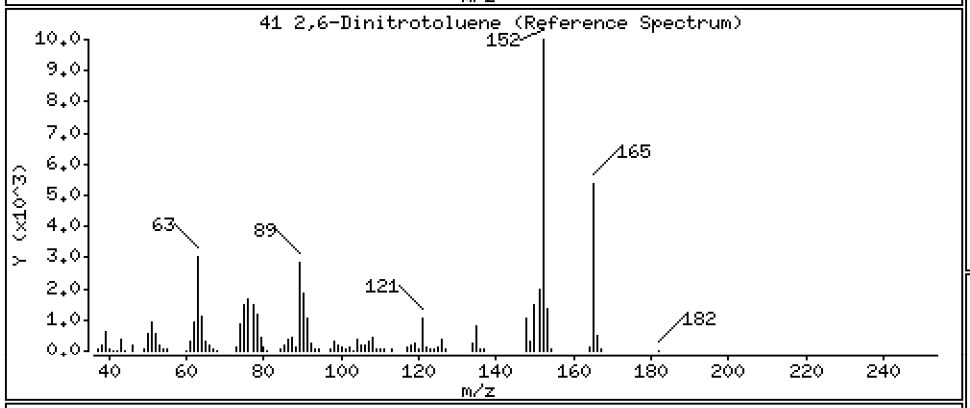
Concentration: 4.894 ug/mL

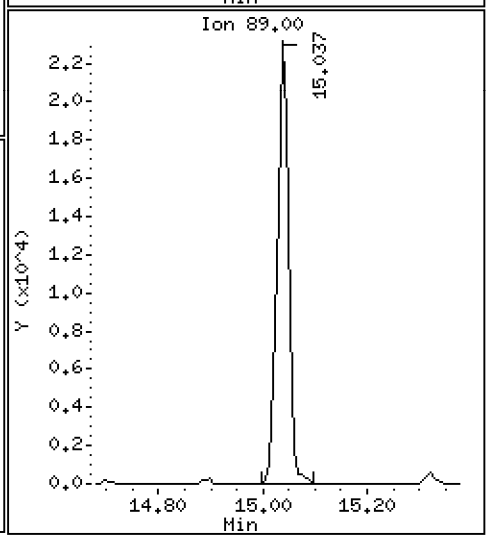


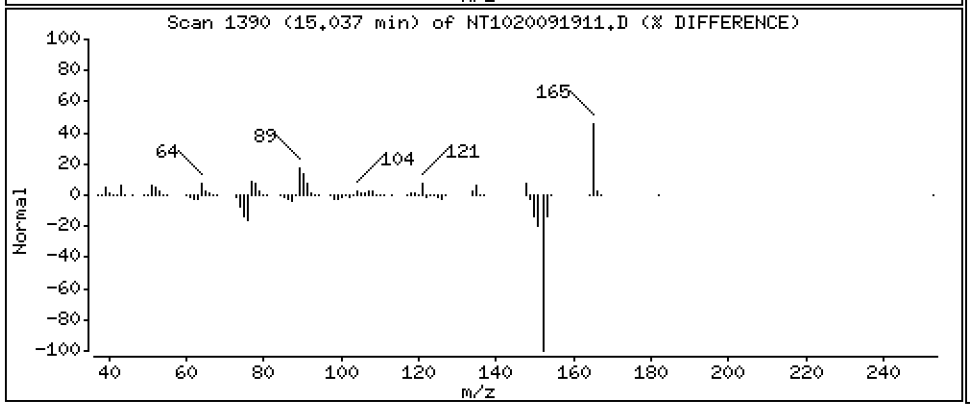












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

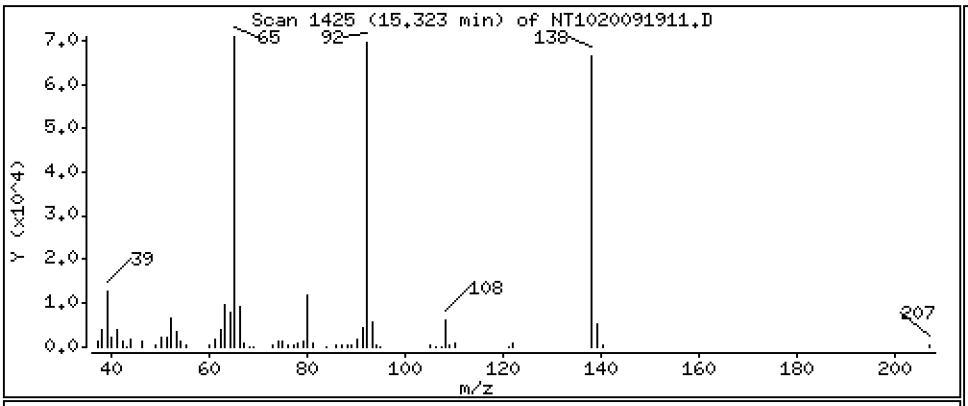
Operator: VTS

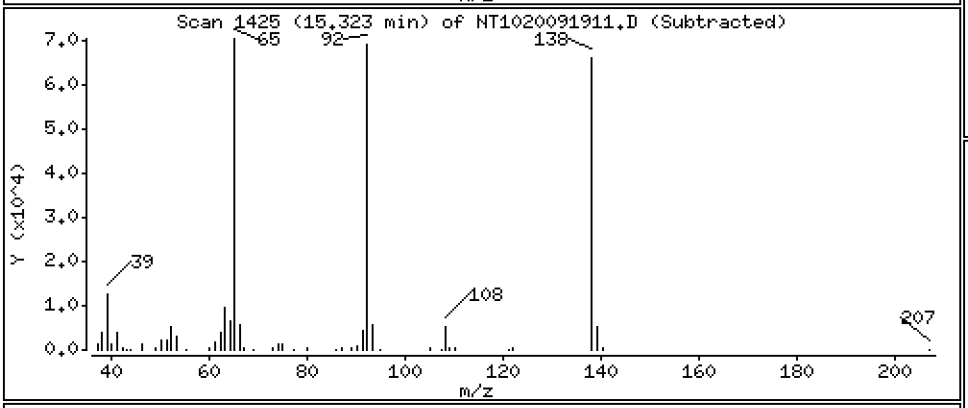
Column phase: ZB-5msi

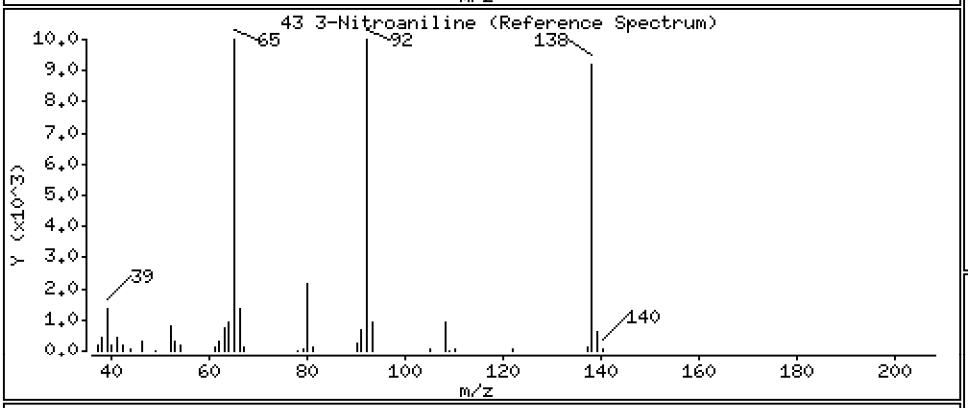
Column diameter: 0.25

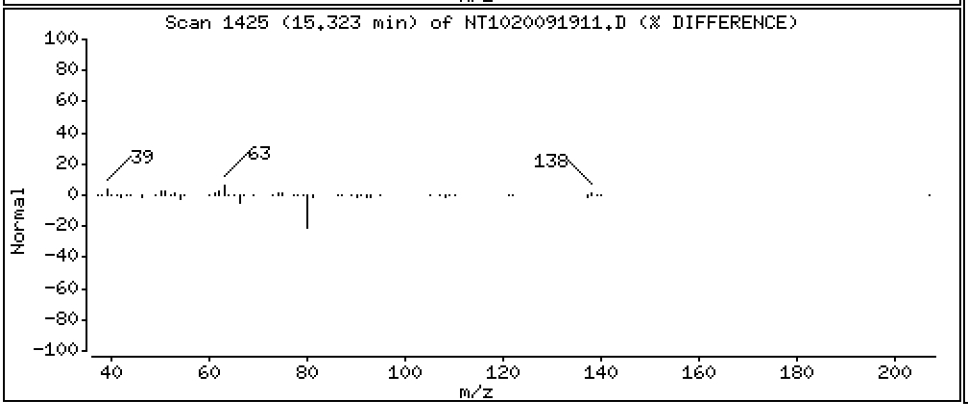
43 3-Nitroaniline

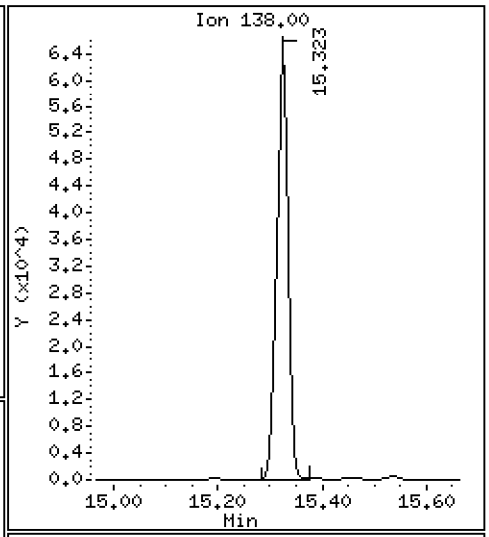
Concentration: 5.305 ug/mL

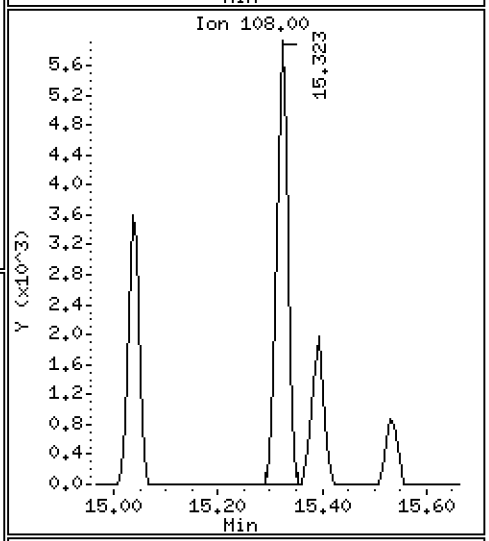


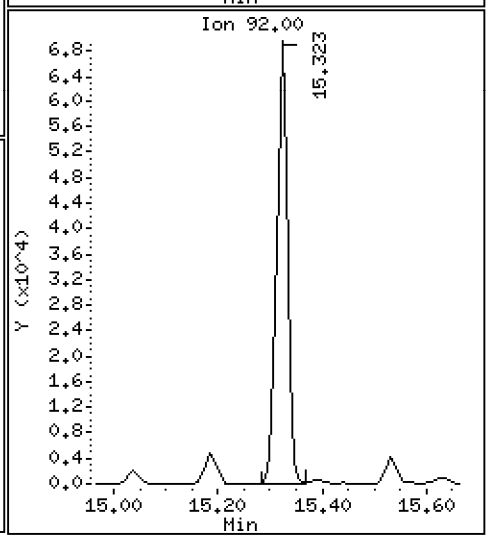












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

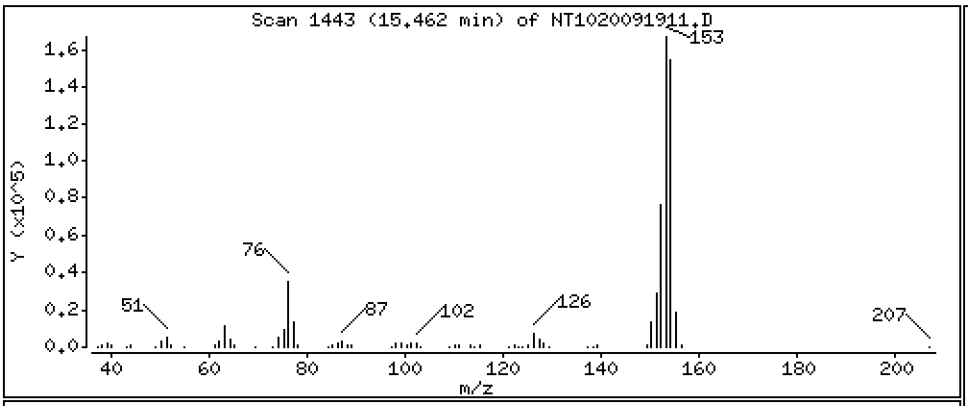
Operator: VTS

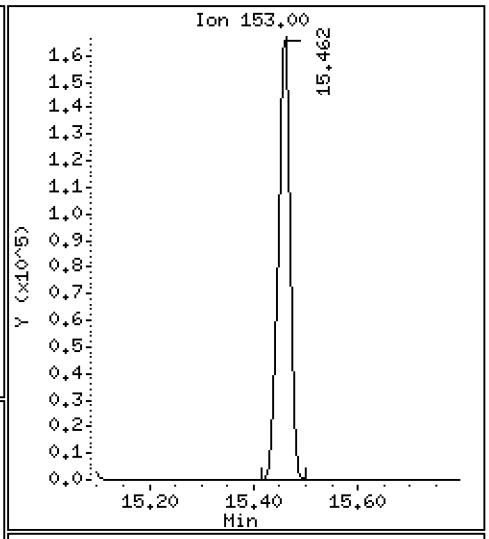
Column phase: ZB-5msi

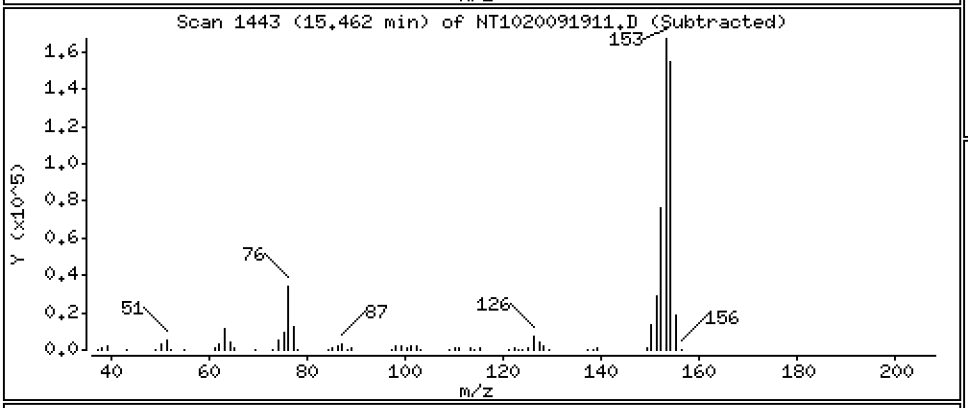
Column diameter: 0.25

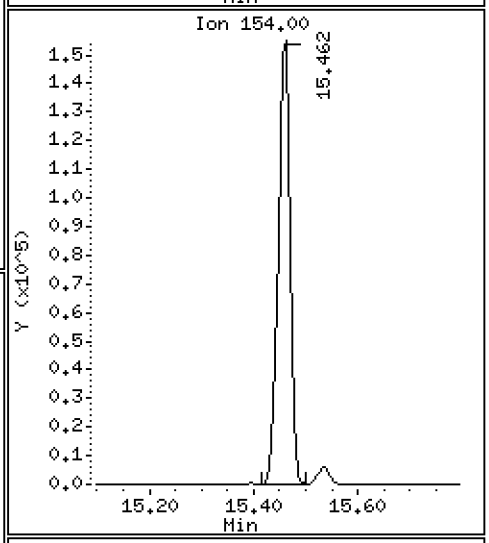
44 Acenaphthene

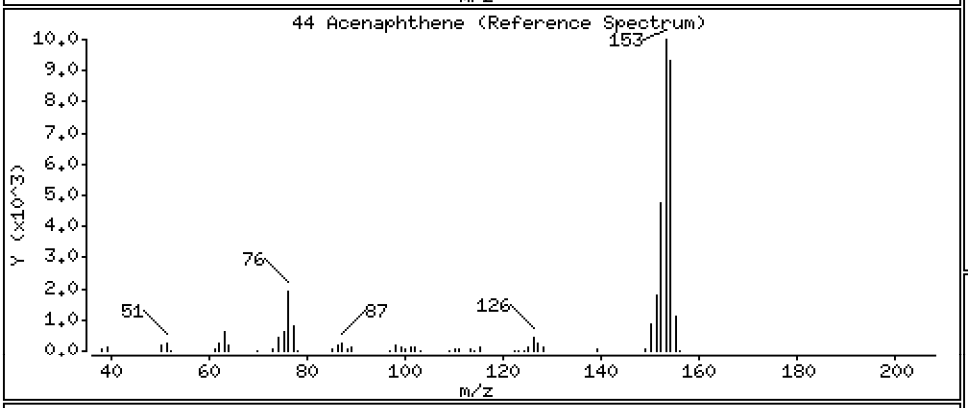
Concentration: 4.516 ug/mL

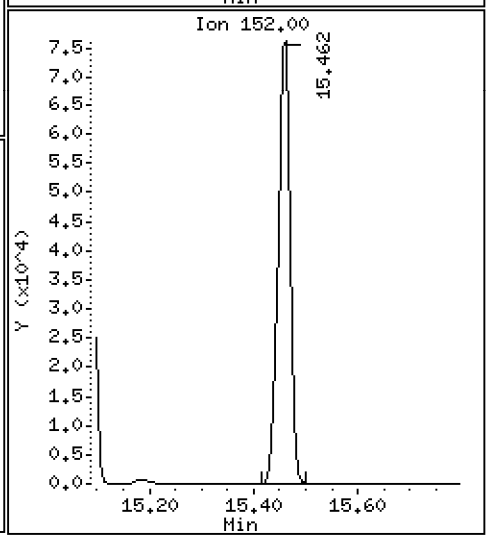


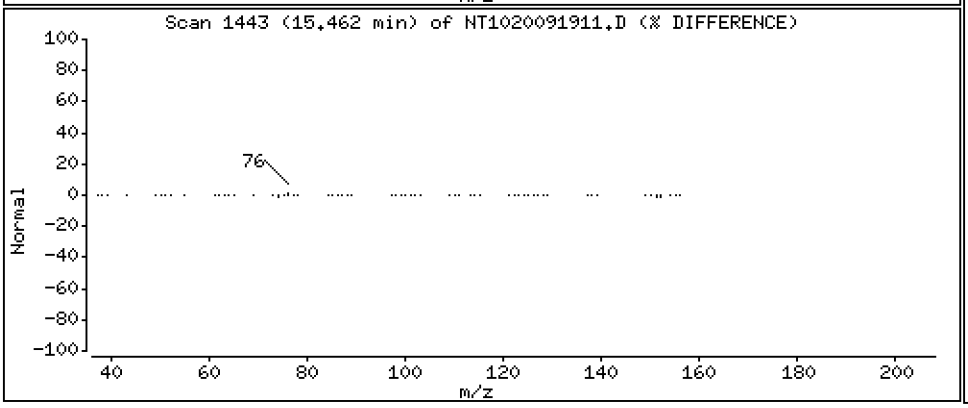












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

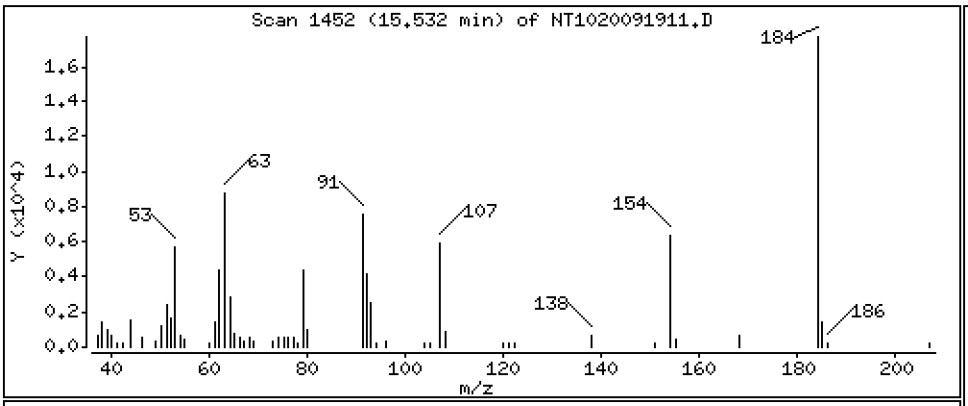
Operator: VTS

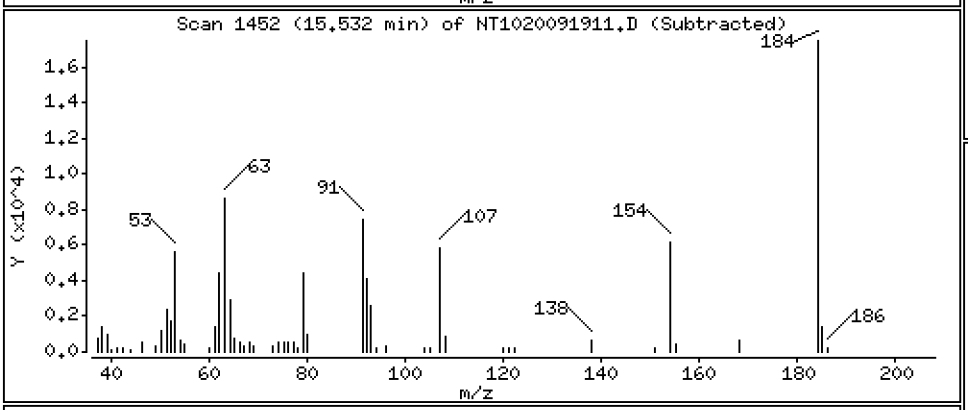
Column phase: ZB-5msi

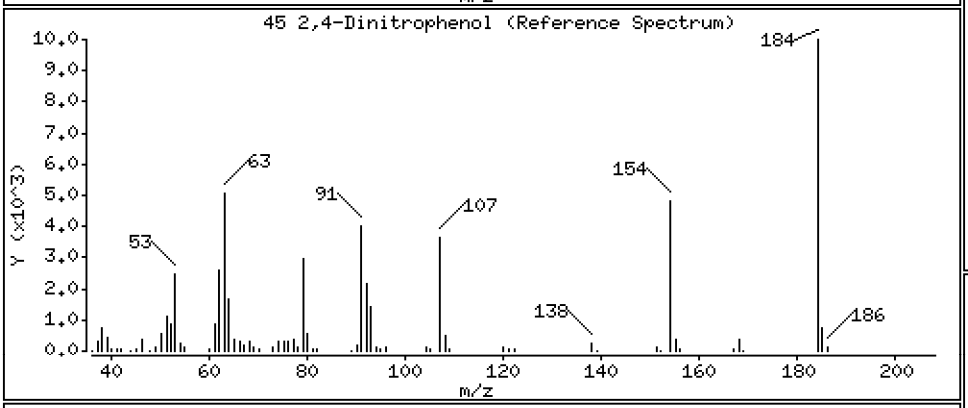
Column diameter: 0.25

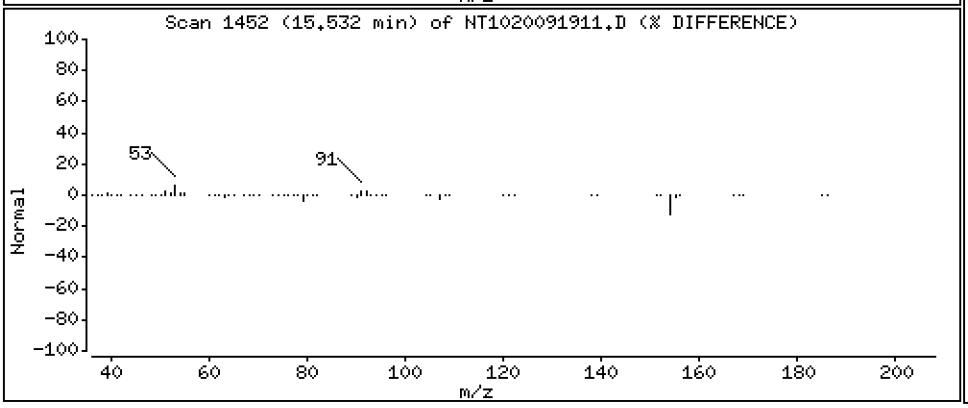
45 2,4-Dinitrophenol

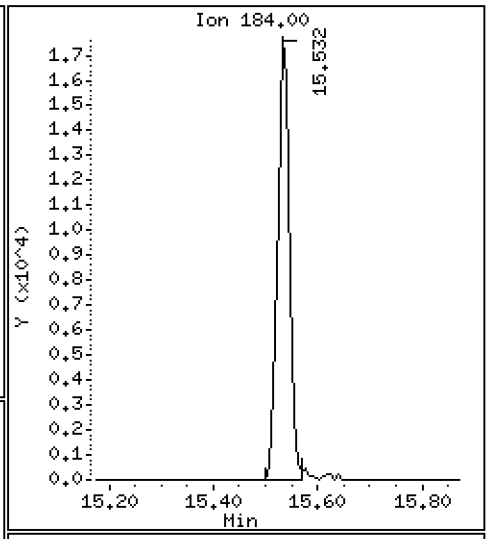
Concentration: 2.740 ug/mL

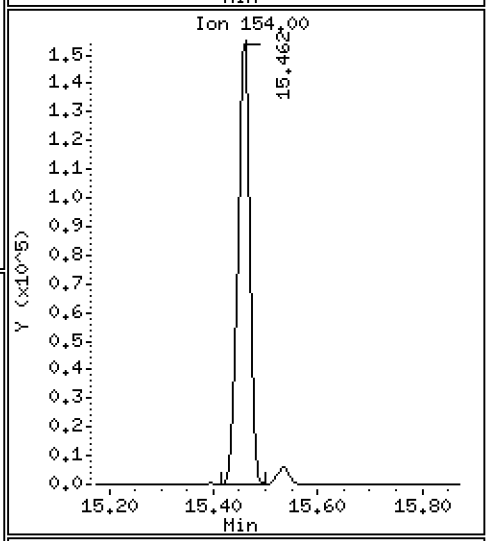


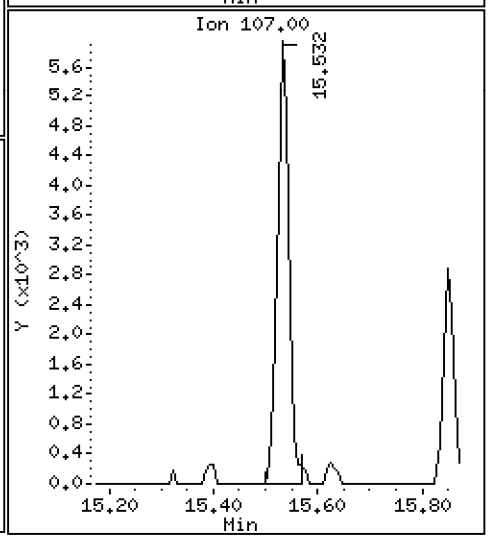












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

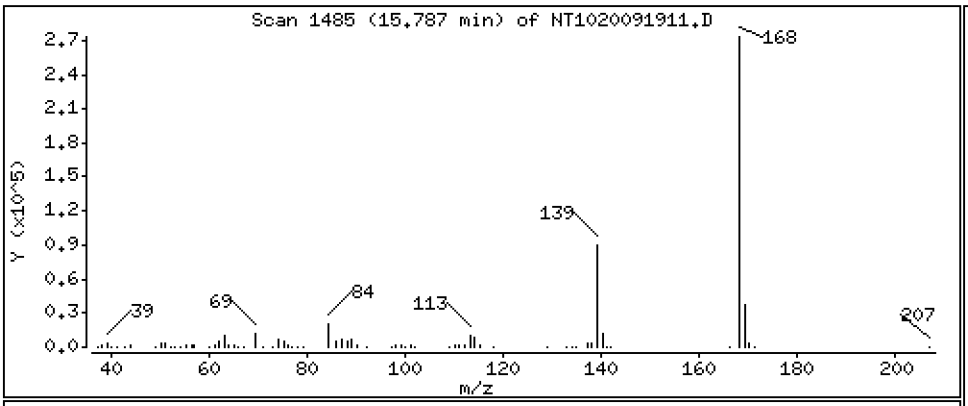
Operator: VTS

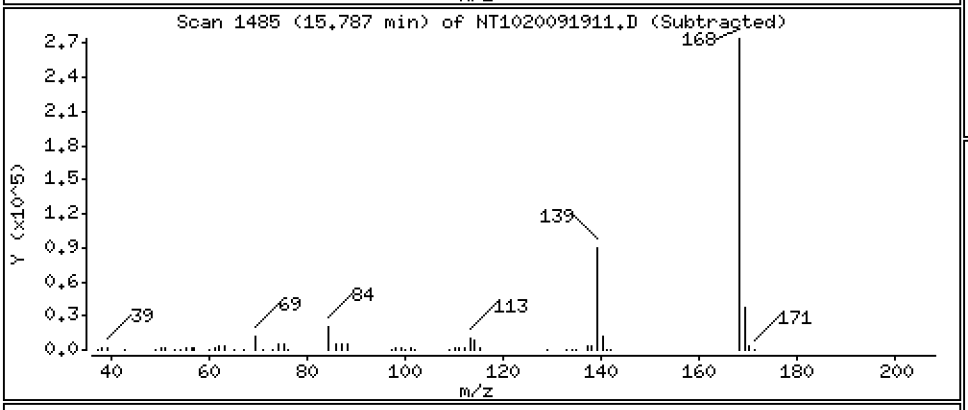
Column phase: ZB-5msi

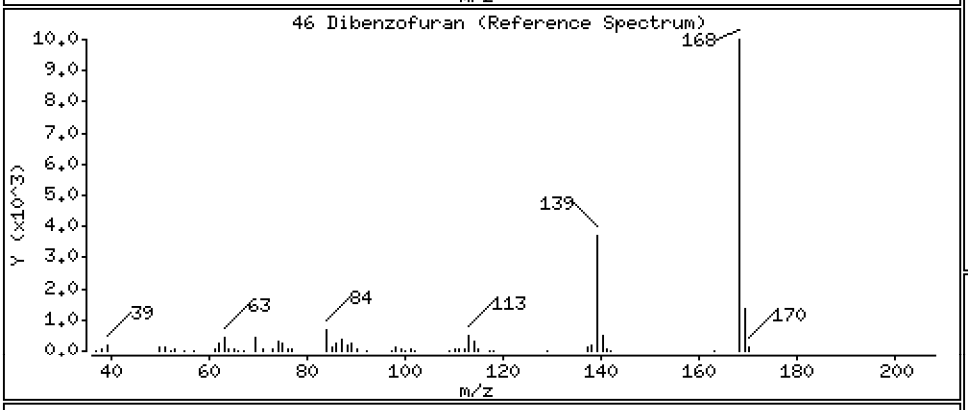
Column diameter: 0.25

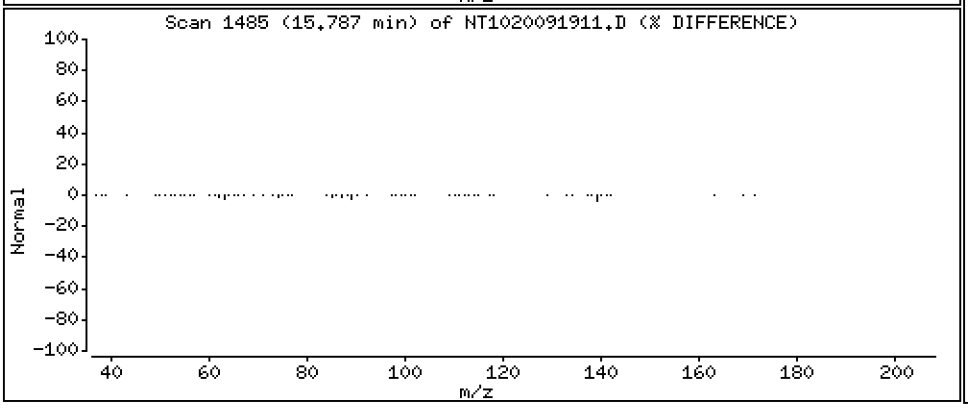
46 Dibenzofuran

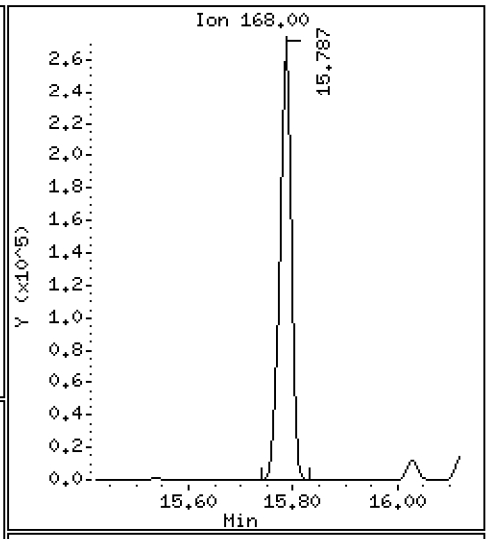
Concentration: 4.905 ug/mL

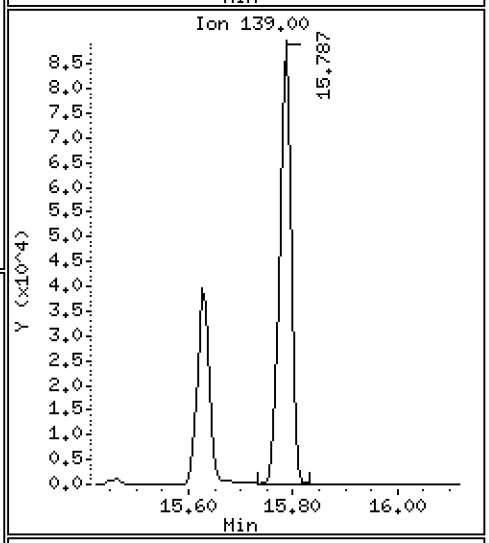


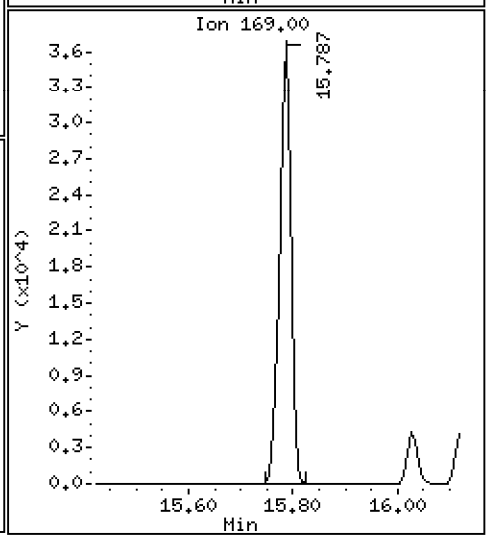












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

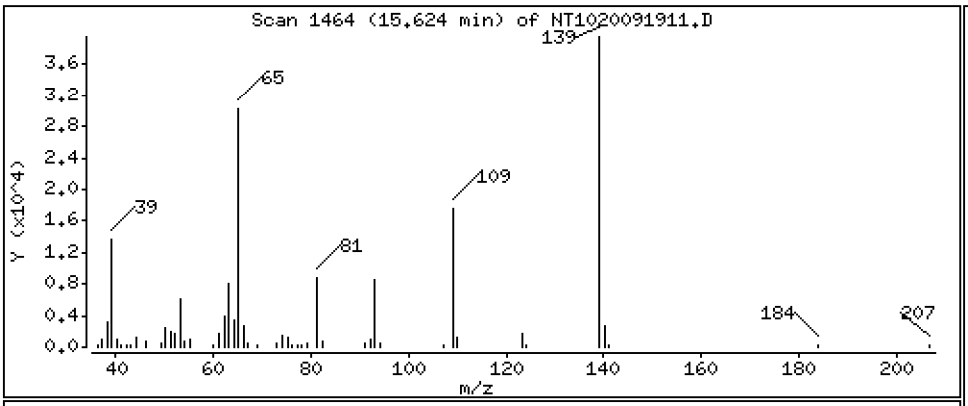
Operator: VTS

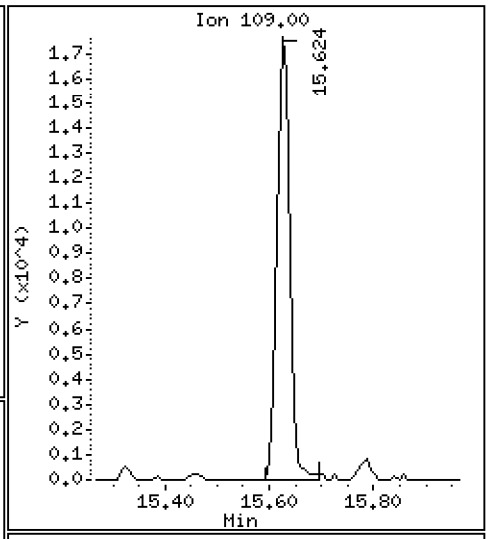
Column phase: ZB-5msi

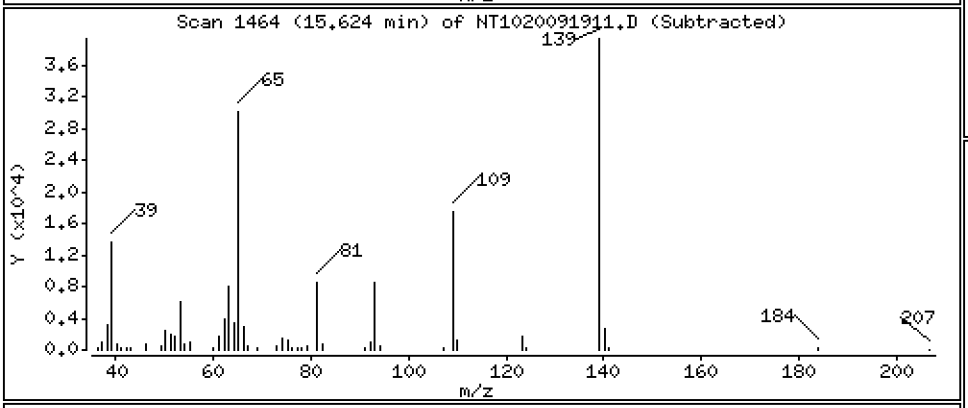
Column diameter: 0.25

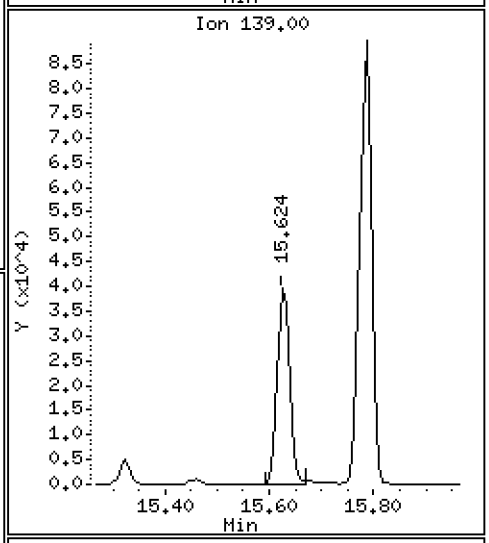
47 4-Nitrophenol

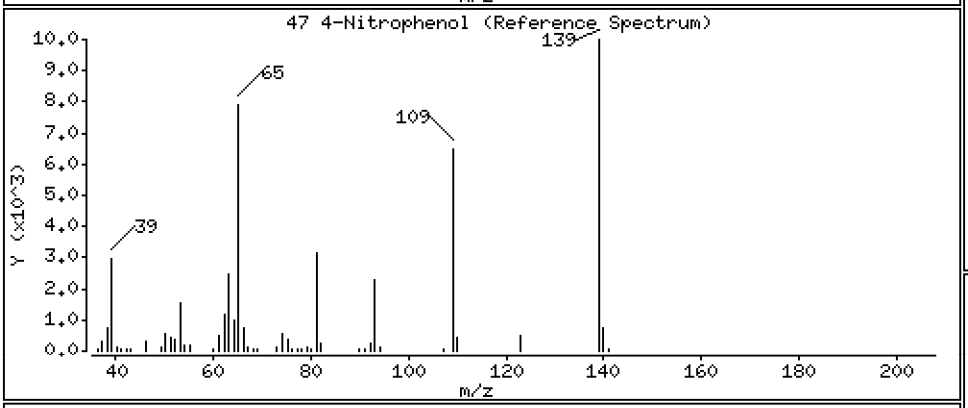
Concentration: 4.786 ug/mL

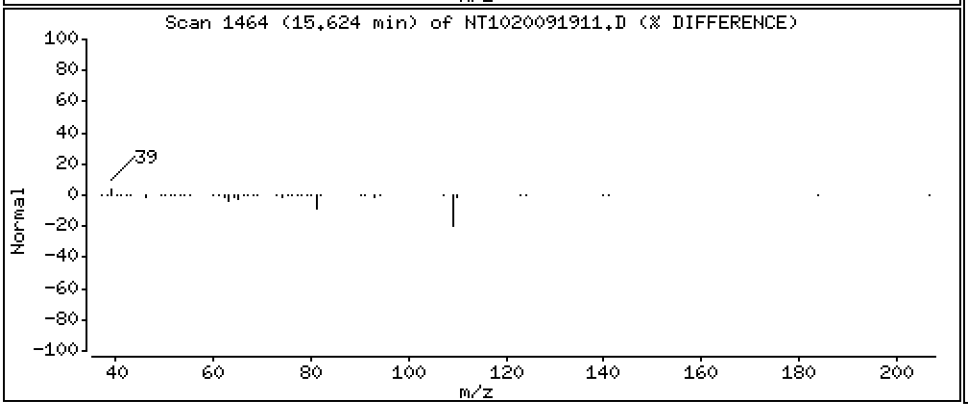


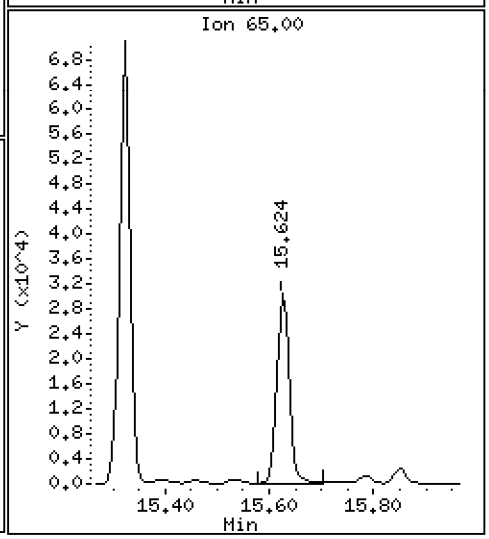












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

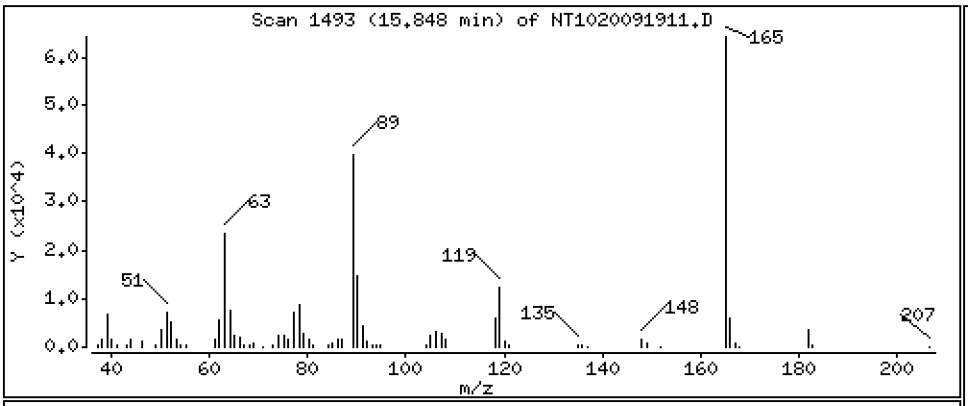
Operator: VTS

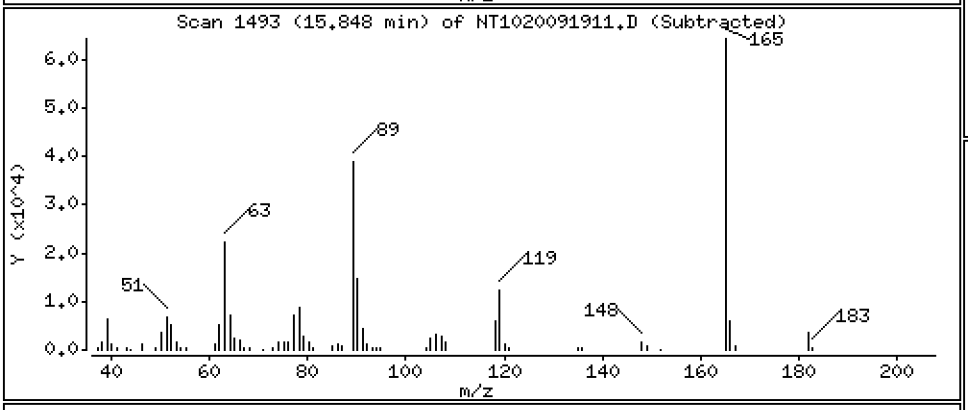
Column phase: ZB-5msi

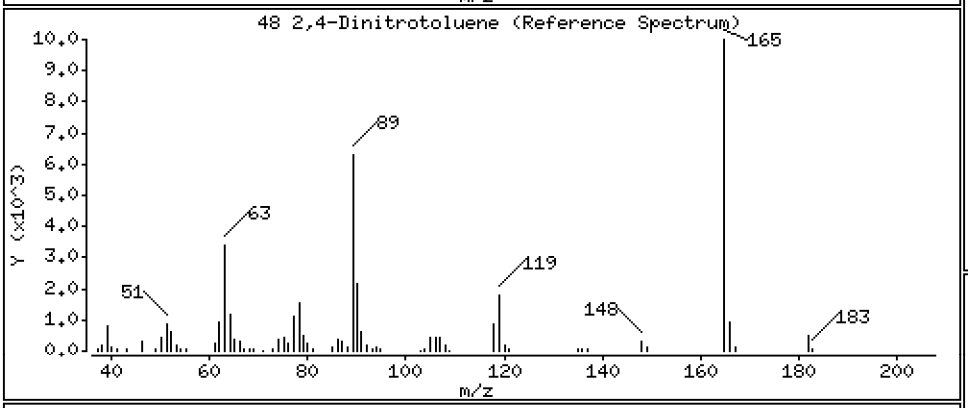
Column diameter: 0.25

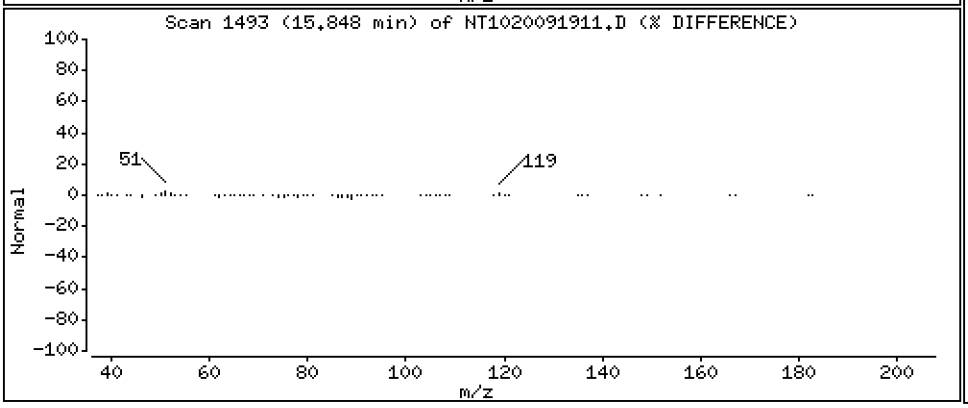
48 2,4-Dinitrotoluene

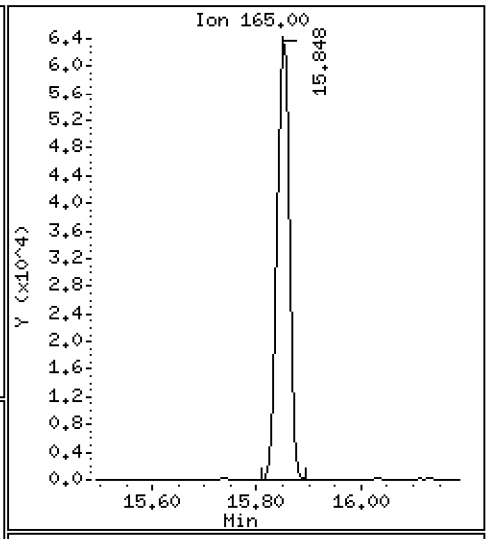
Concentration: 4.819 ug/mL

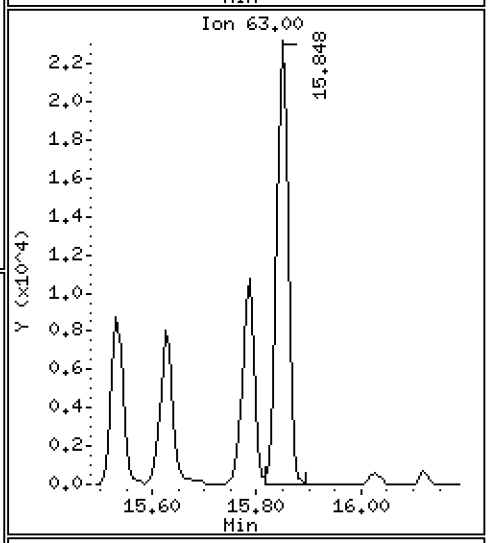


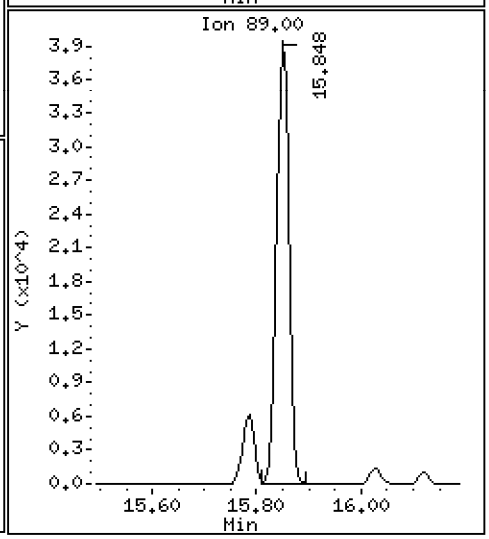












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

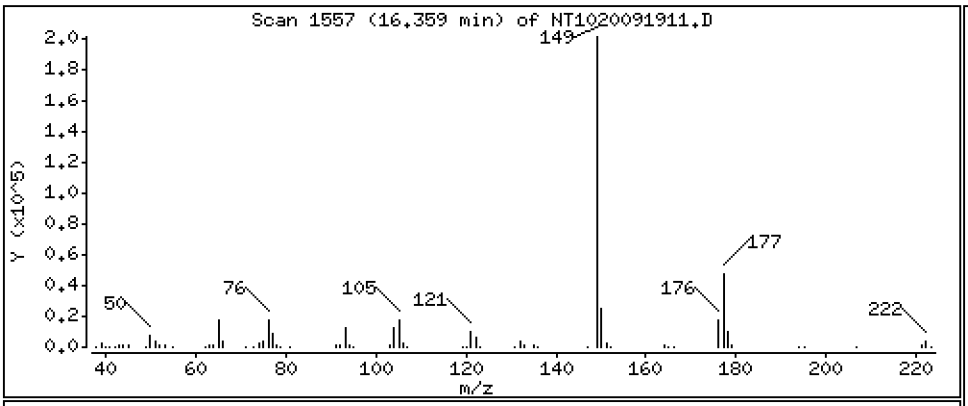
Operator: VTS

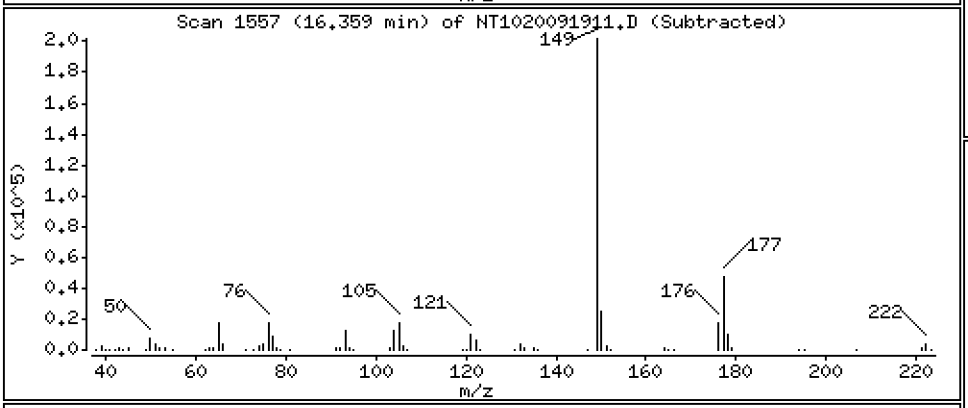
Column phase: ZB-5msi

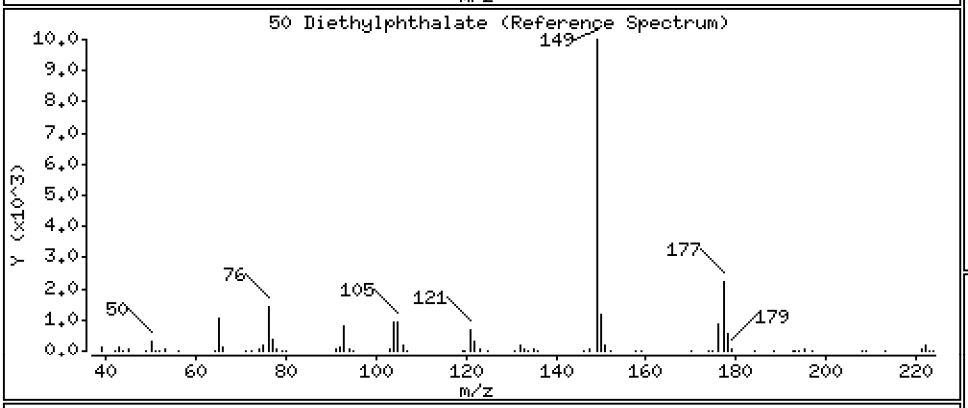
Column diameter: 0.25

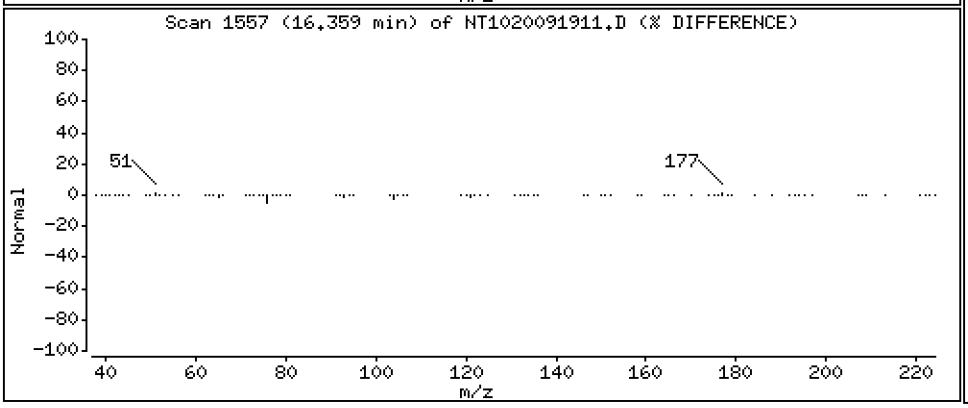
50 Diethylphthalate

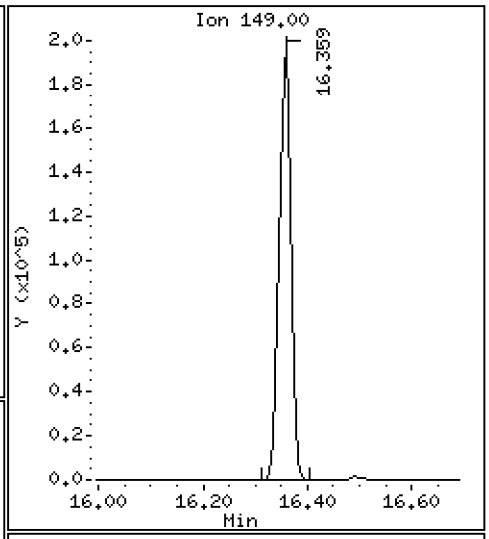
Concentration: 4.772 ug/mL

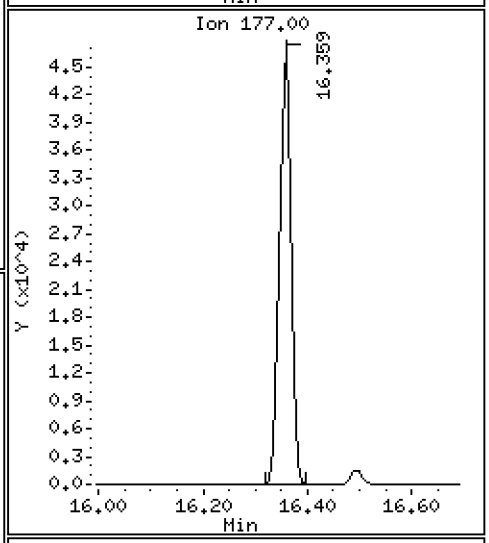


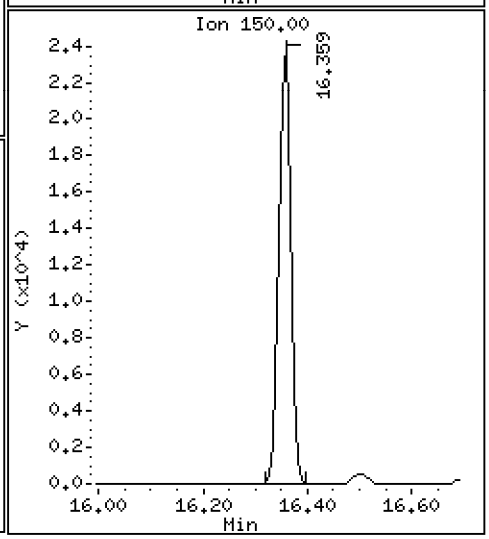












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

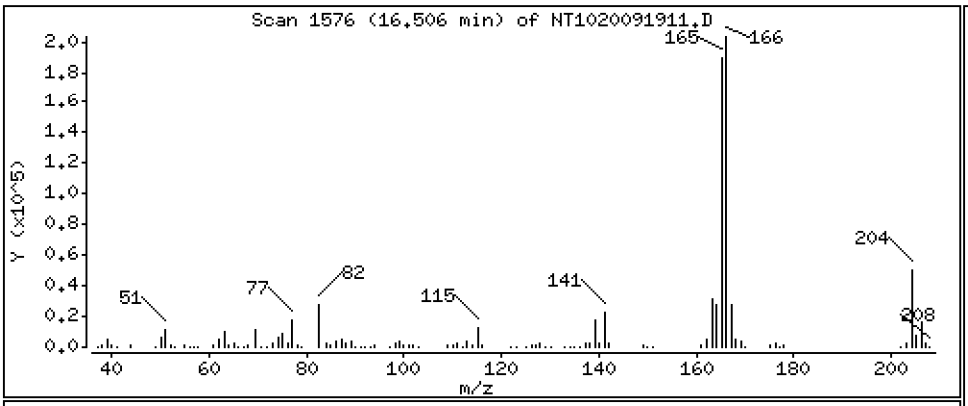
Operator: VTS

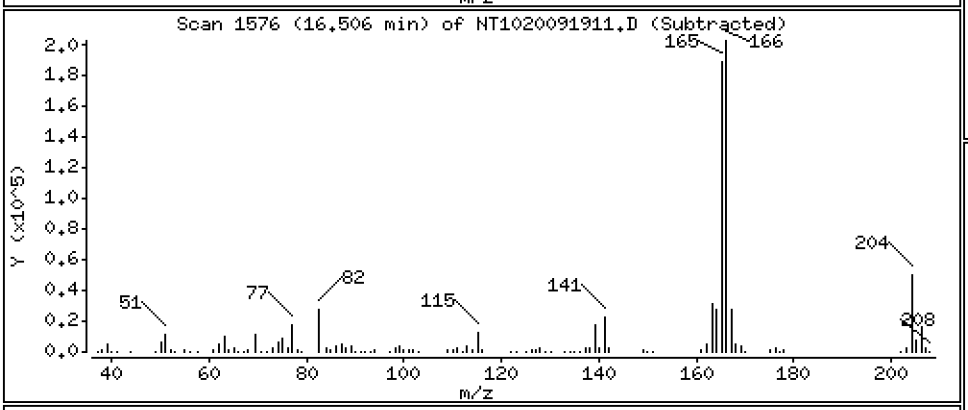
Column phase: ZB-5msi

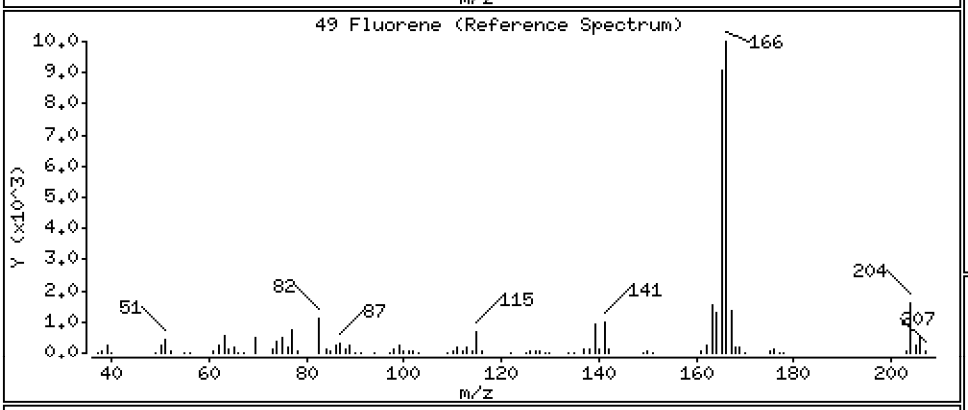
Column diameter: 0.25

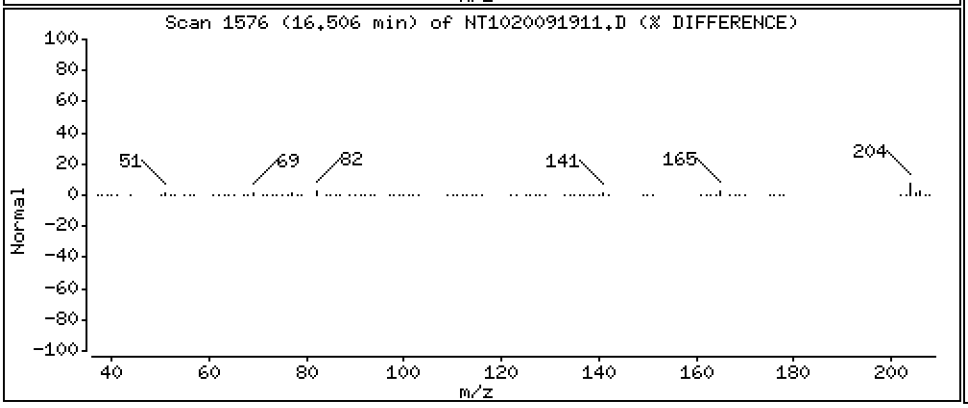
49 Fluorene

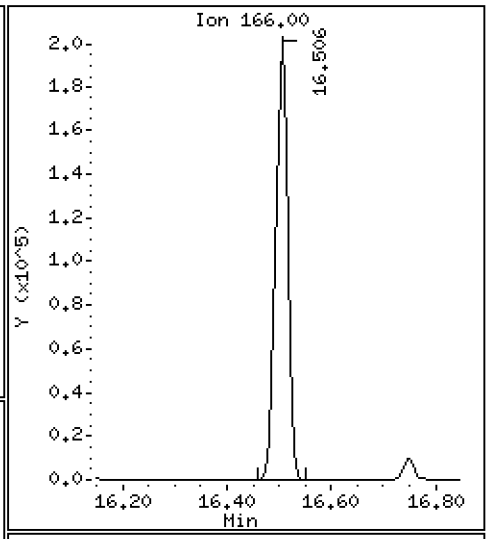
Concentration: 4.492 ug/mL

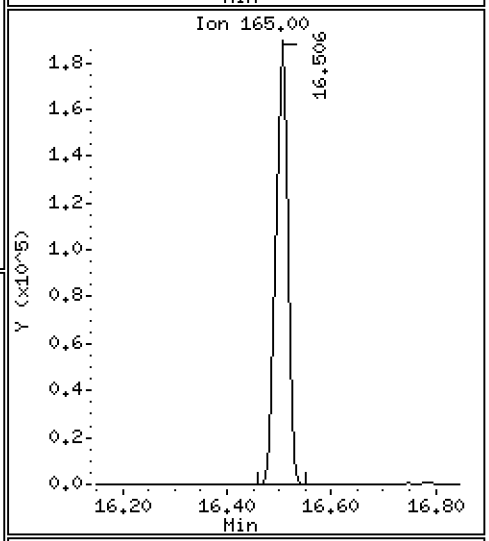


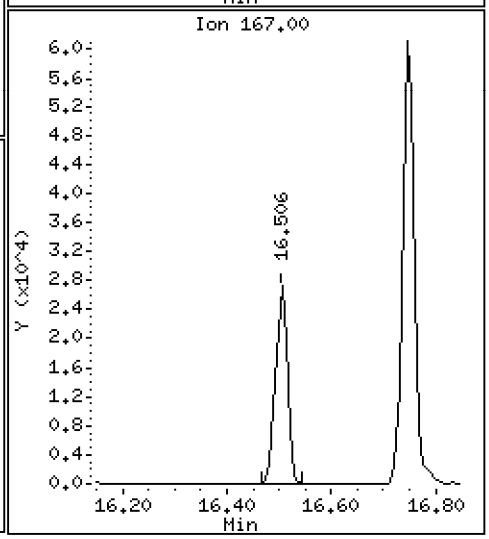












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

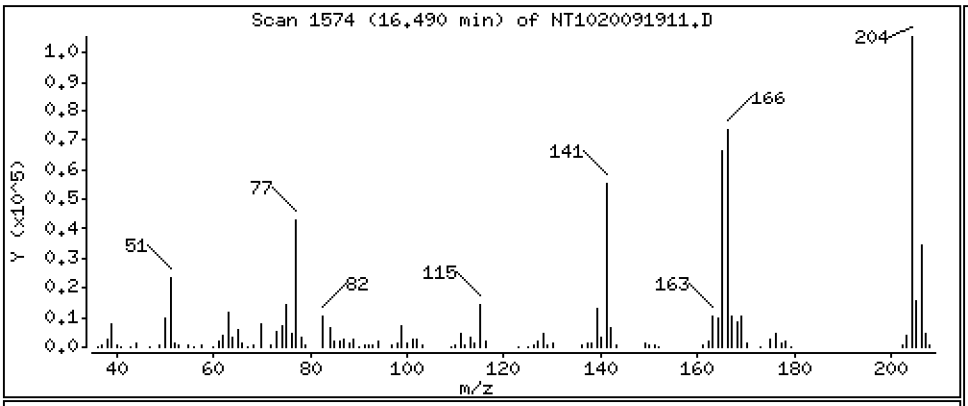
Operator: VTS

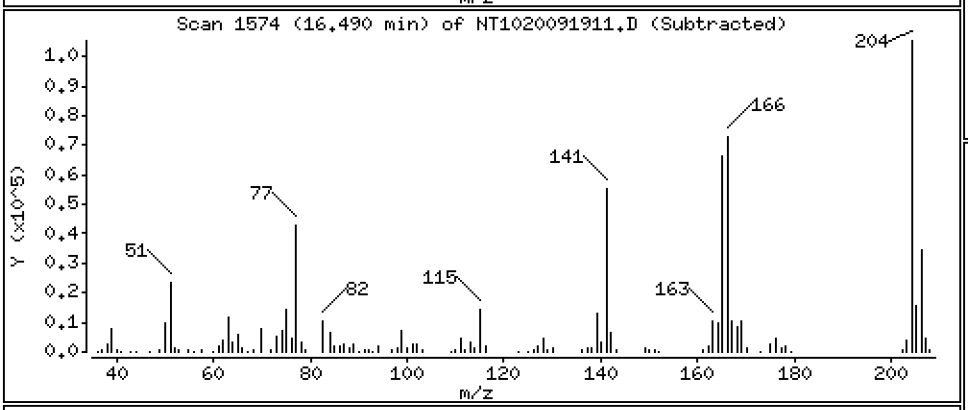
Column phase: ZB-5msi

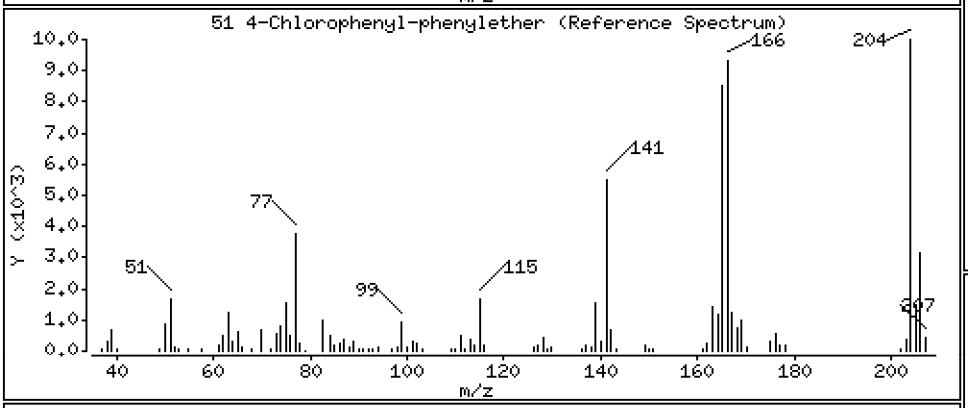
Column diameter: 0.25

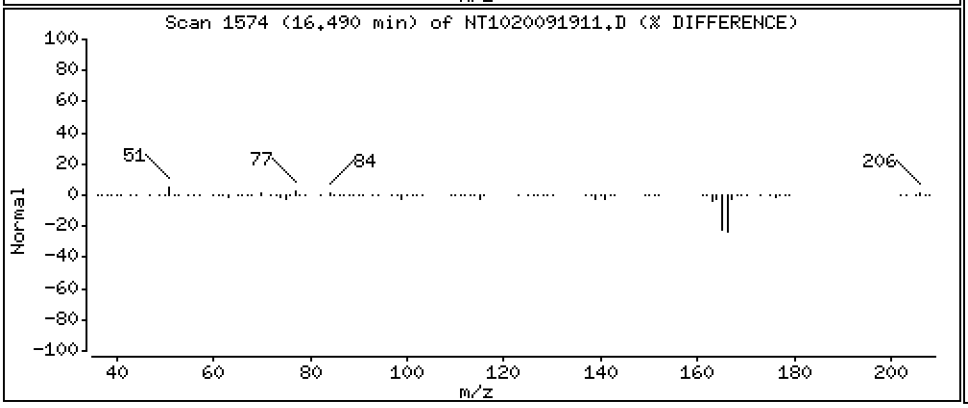
51 4-Chlorophenyl-phenylether

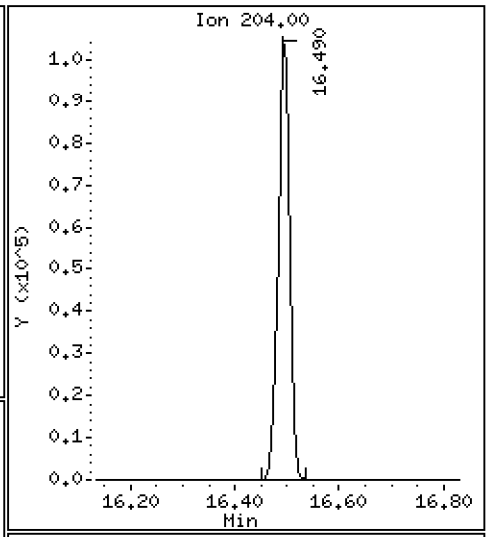
Concentration: 4.698 ug/mL

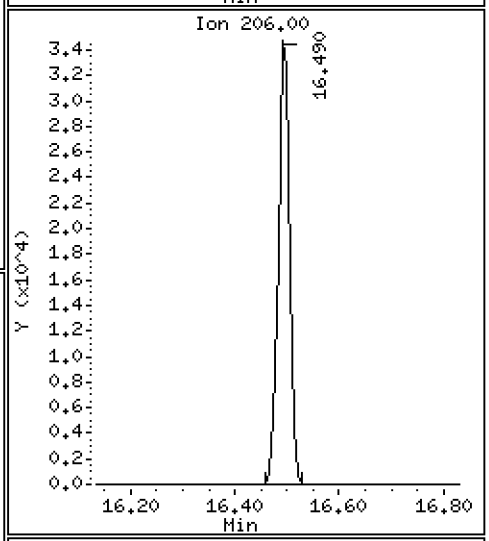


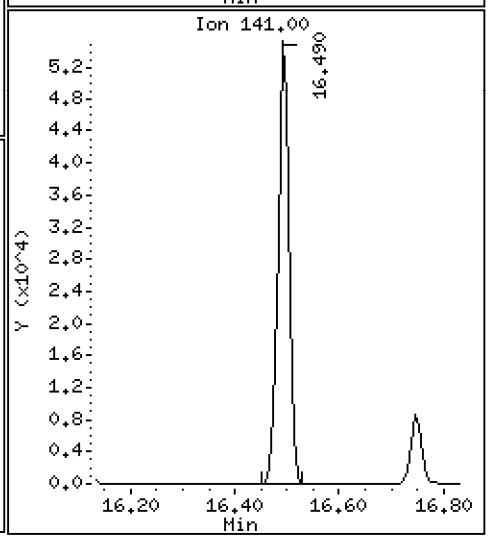












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

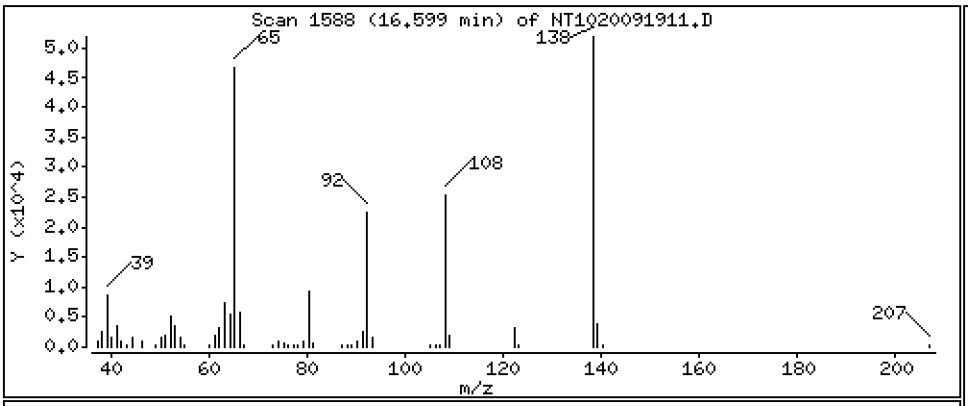
Operator: VTS

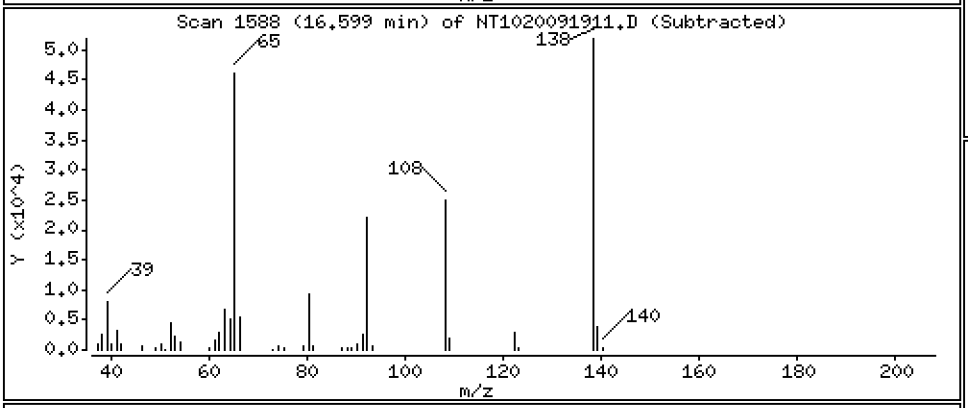
Column phase: ZB-5msi

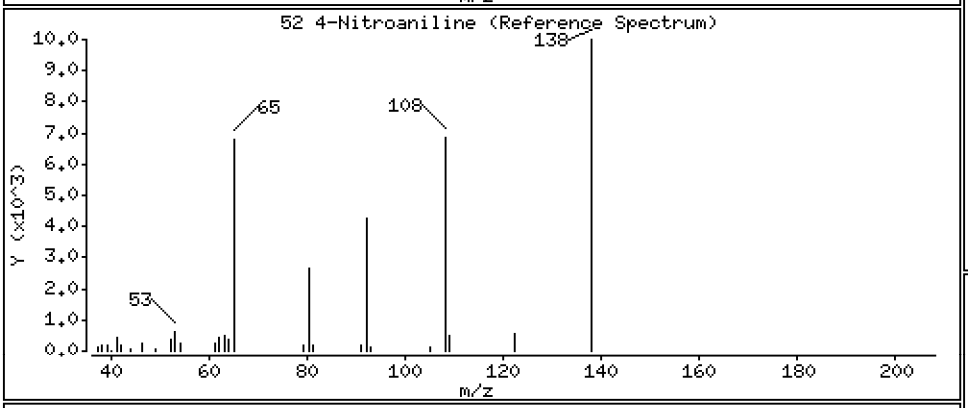
Column diameter: 0.25

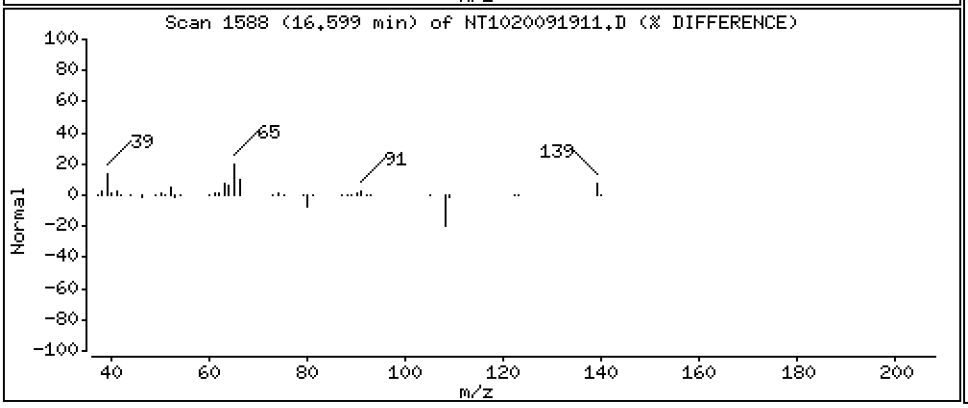
52 4-Nitroaniline

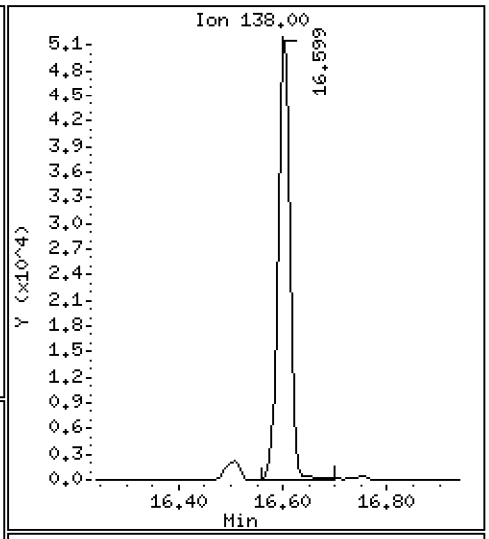
Concentration: 5.313 ug/mL

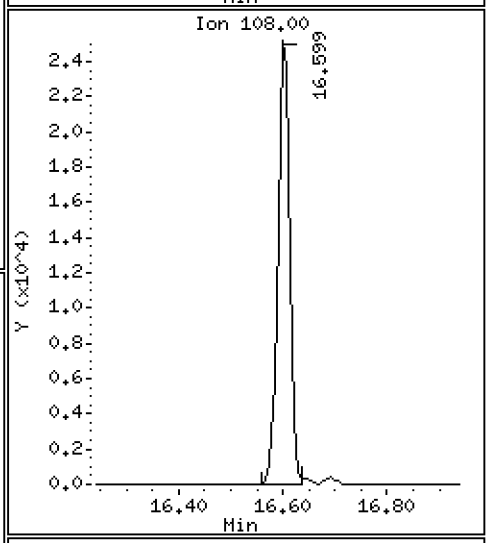


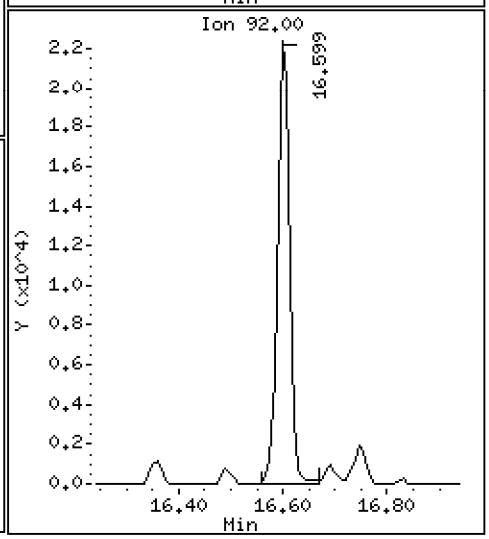












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

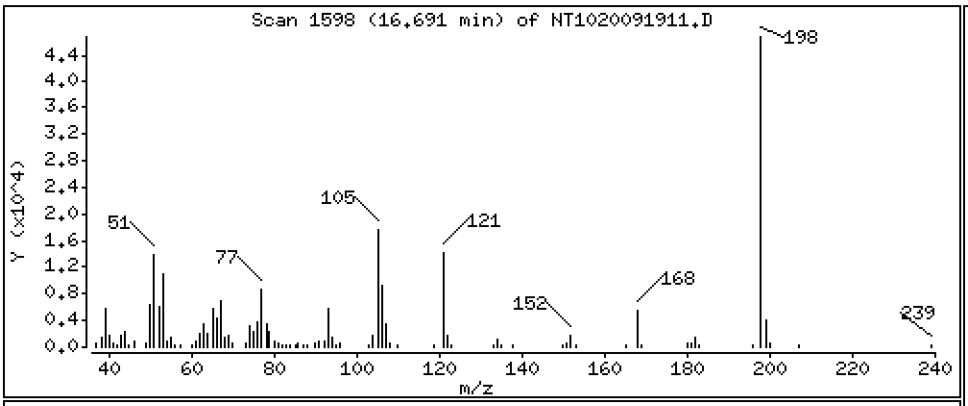
Operator: VTS

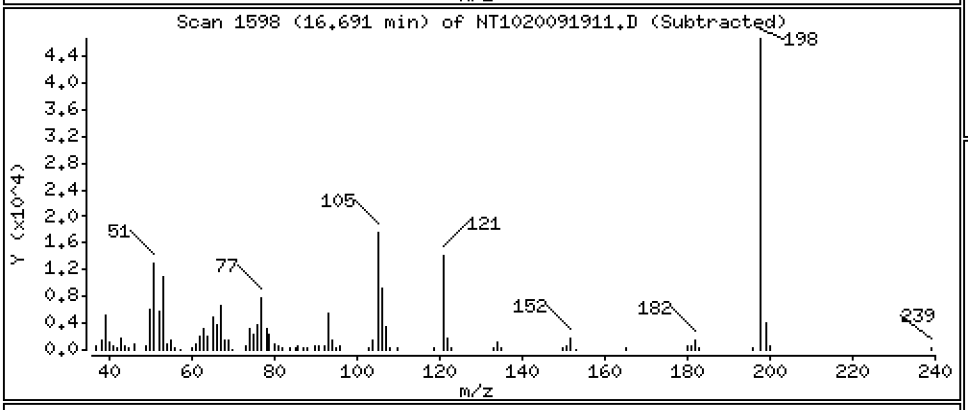
Column phase: ZB-5msi

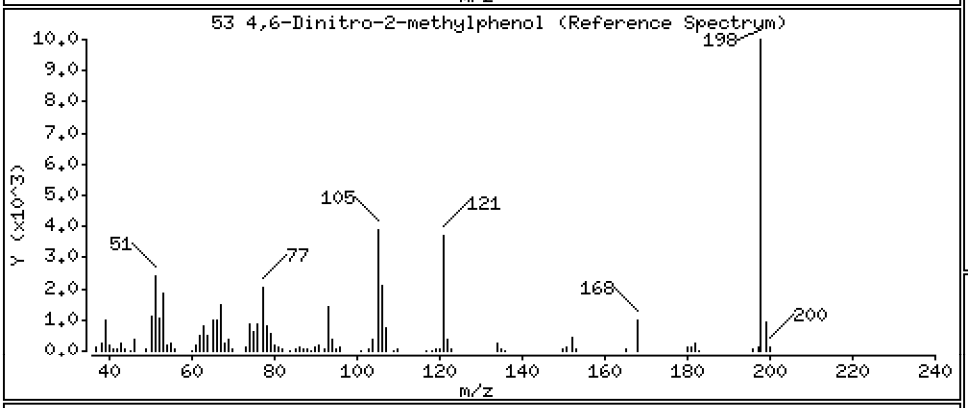
Column diameter: 0.25

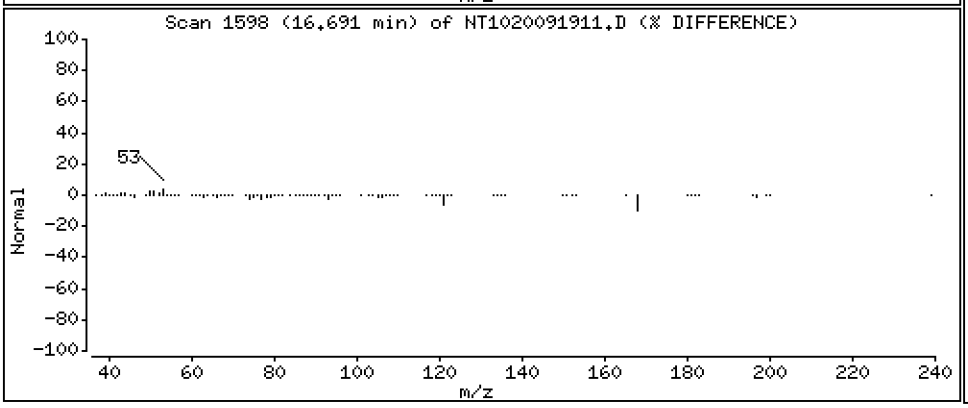
53 4,6-Dinitro-2-methylphenol

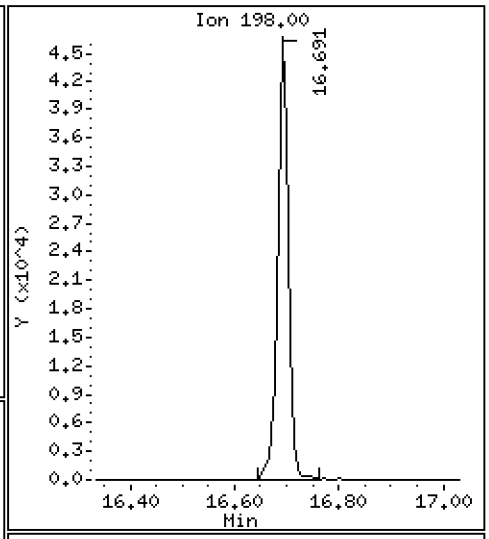
Concentration: 4.950 ug/mL

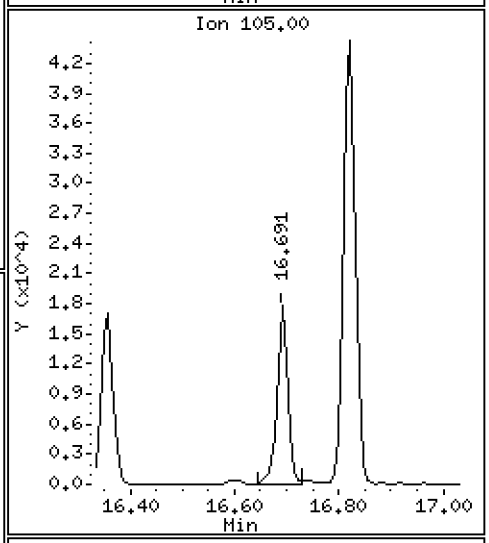


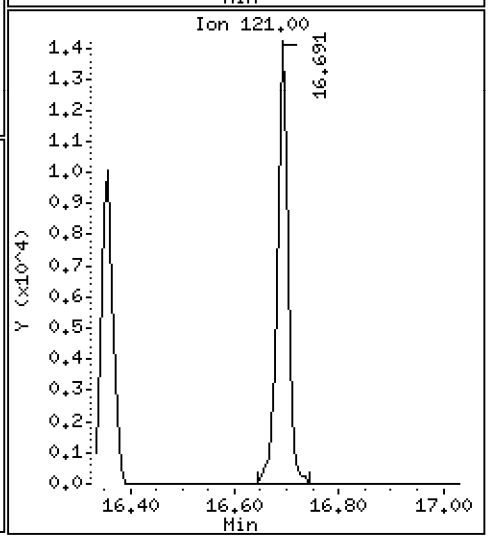












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

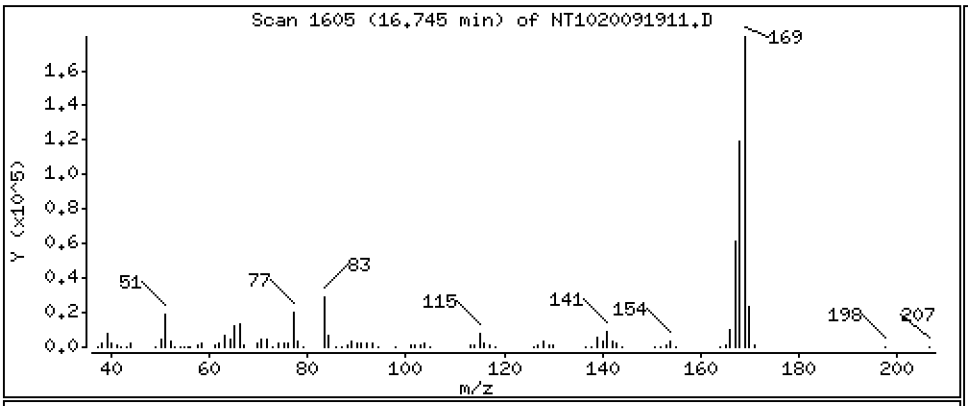
Operator: VTS

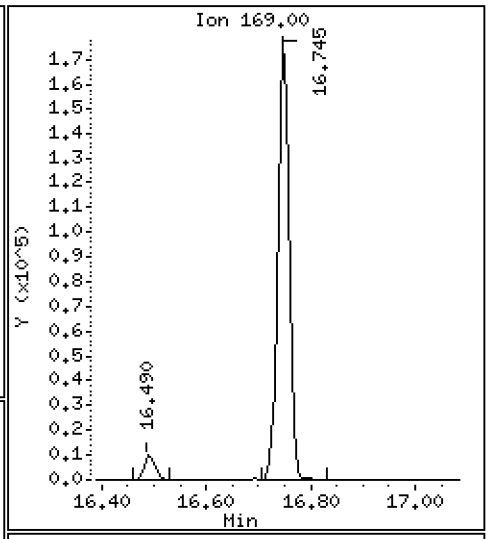
Column phase: ZB-5msi

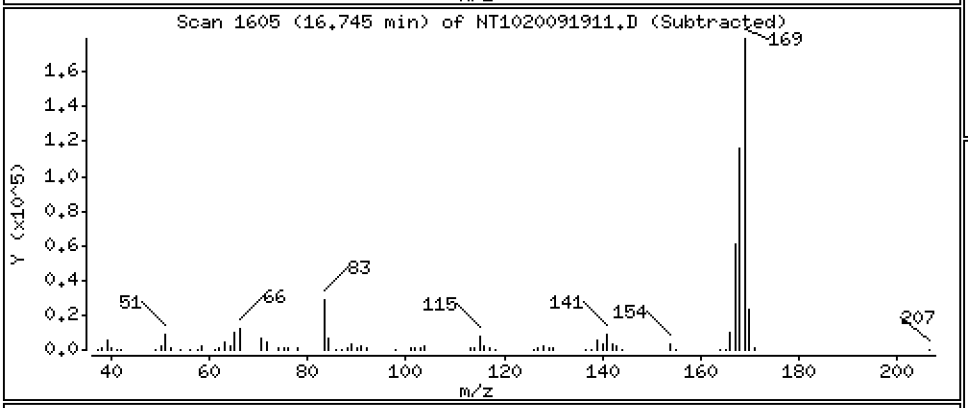
Column diameter: 0.25

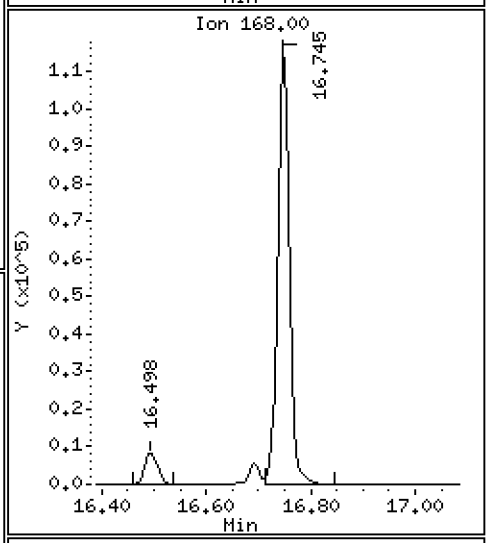
54 N-Nitrosodiphenylamine

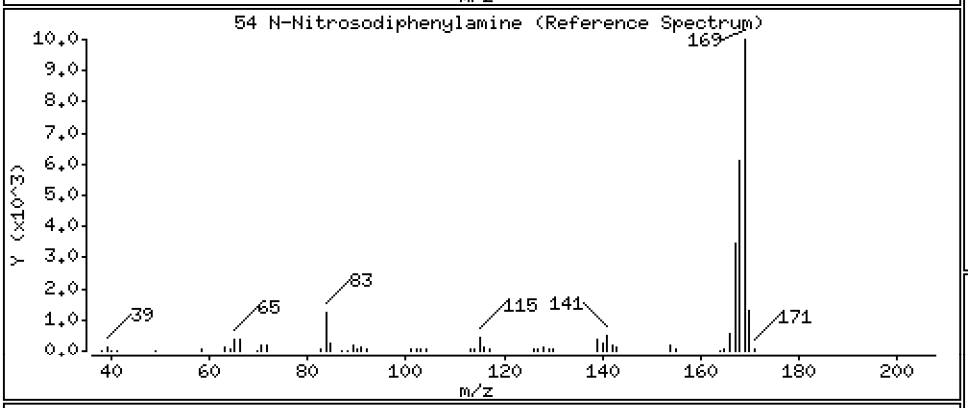
Concentration: 6.430 ug/mL

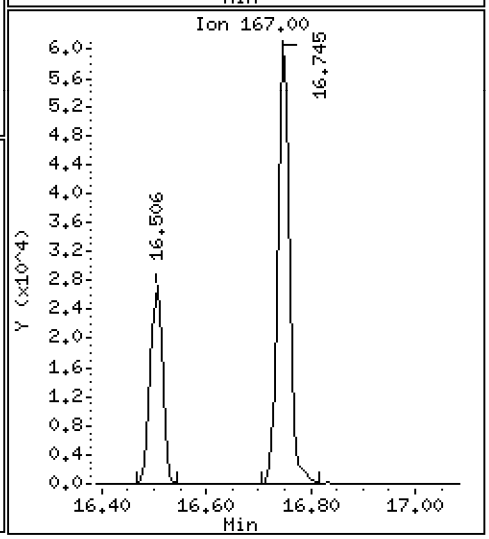


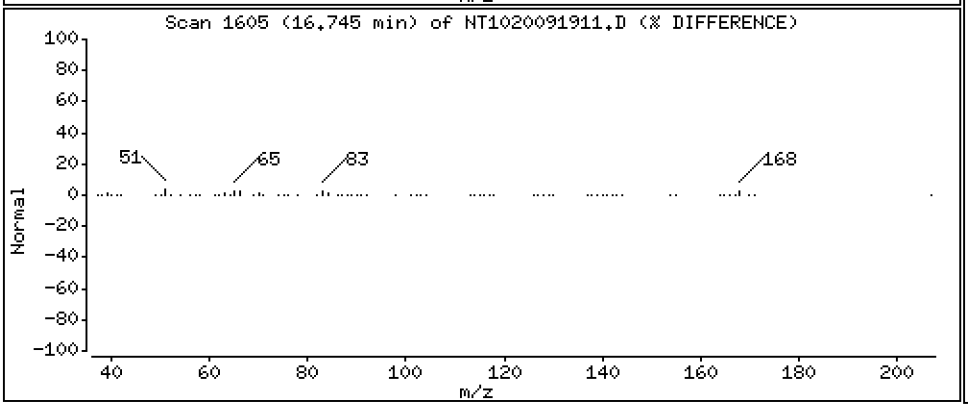












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

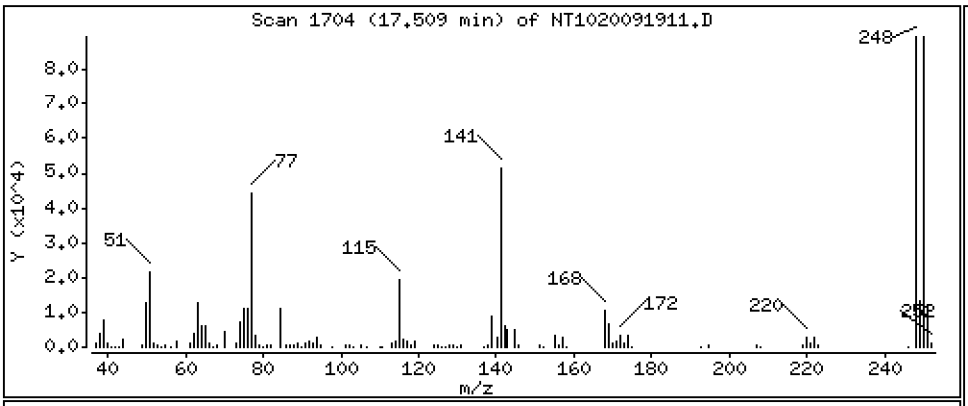
Operator: VTS

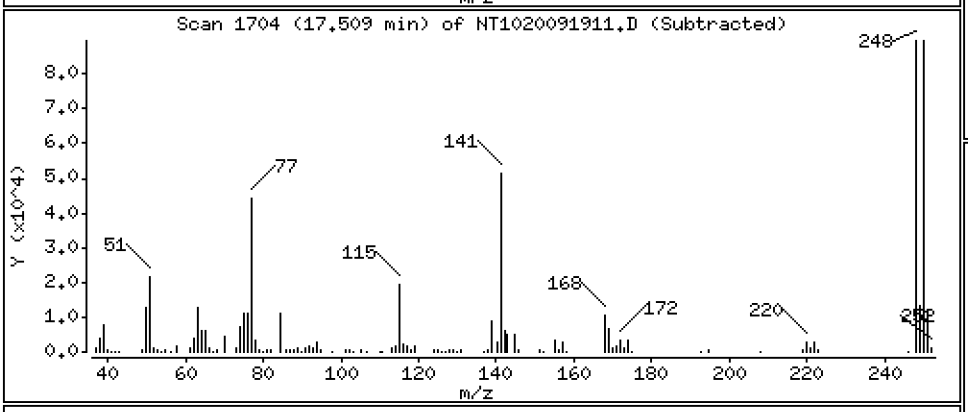
Column phase: ZB-5msi

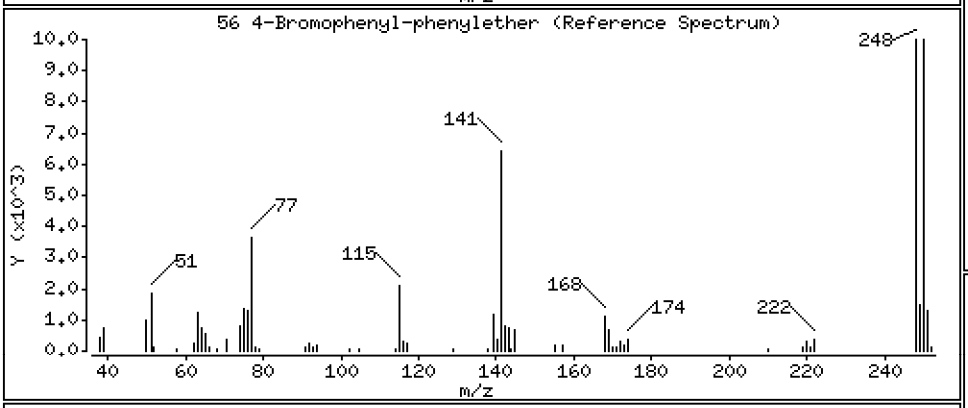
Column diameter: 0.25

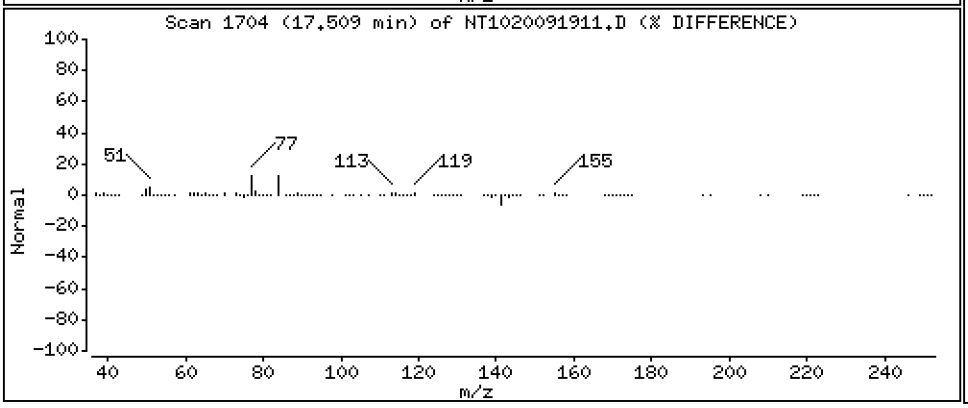
56 4-Bromophenyl-phenylether

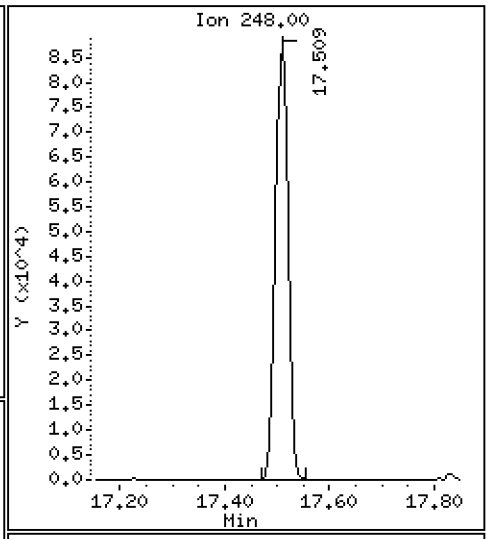
Concentration: 4.848 ug/mL

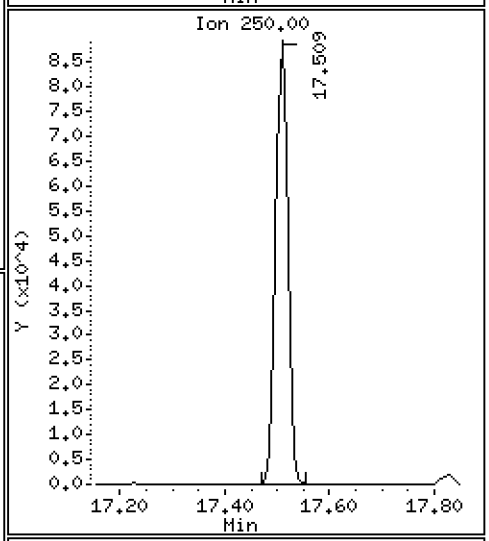


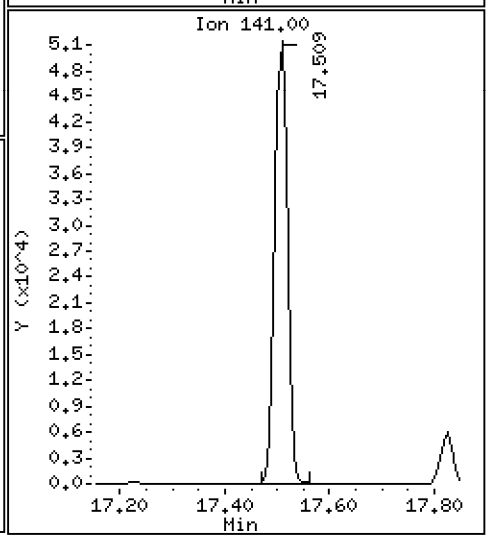












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

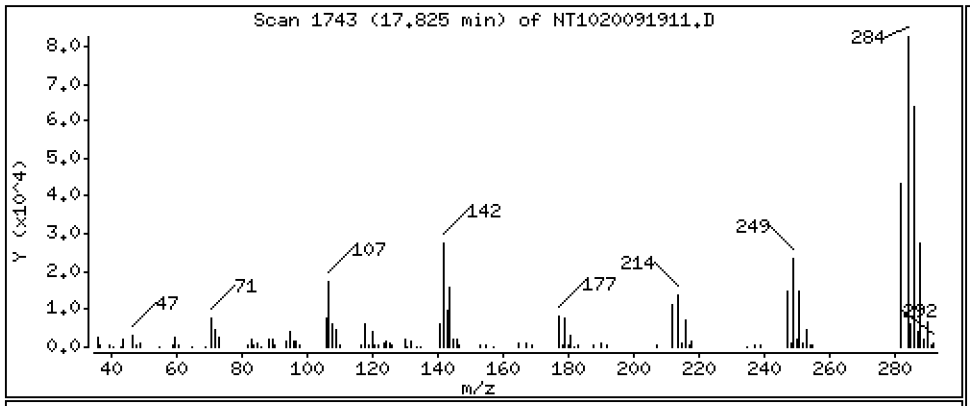
Client ID: Instrument: nt10.i

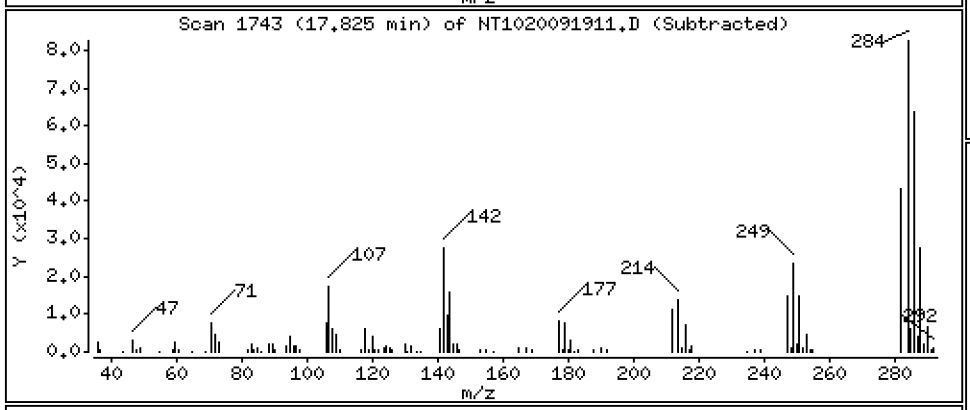
Sample Info: SII0276-SCV1

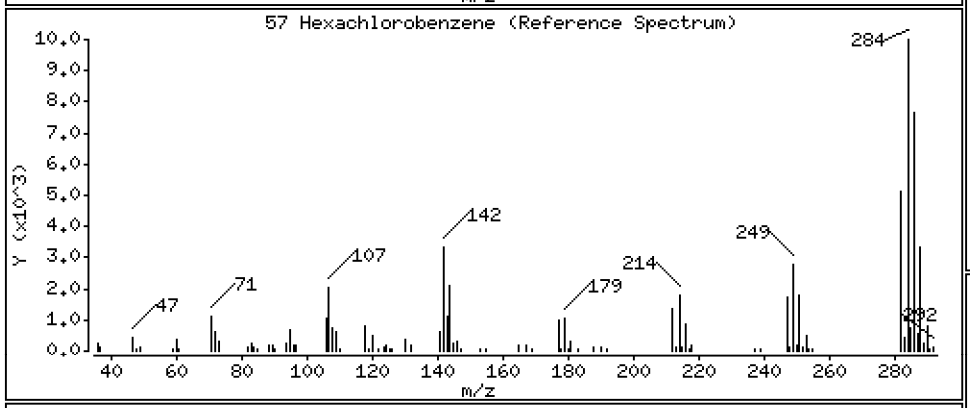
Operator: VTS

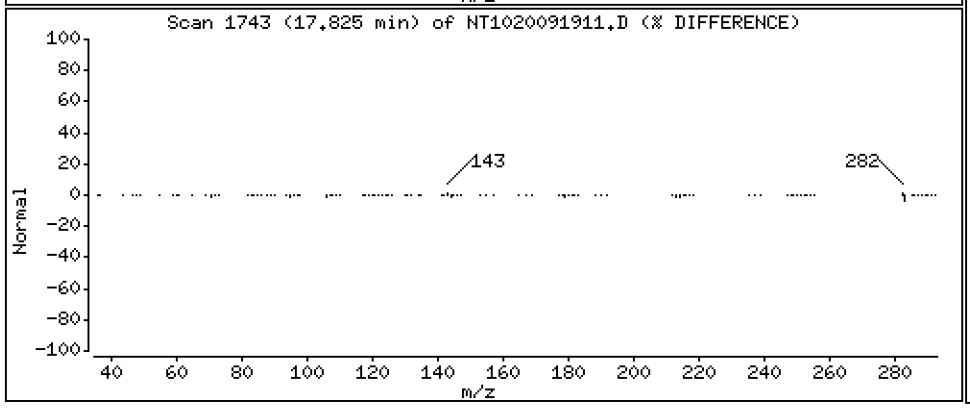
Column phase: ZB-5msi Column diameter: 0.25

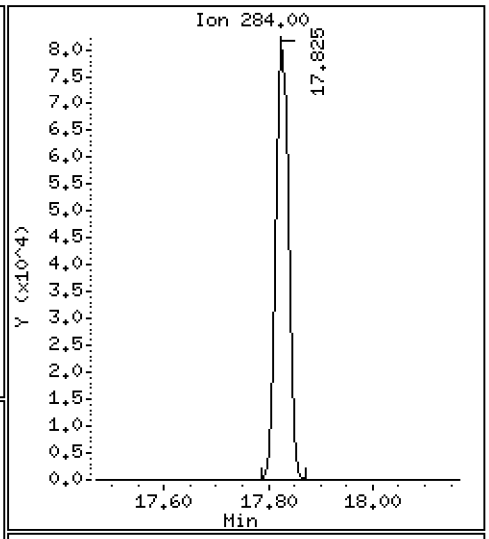
57 Hexachlorobenzene Concentration: 4.598 ug/mL

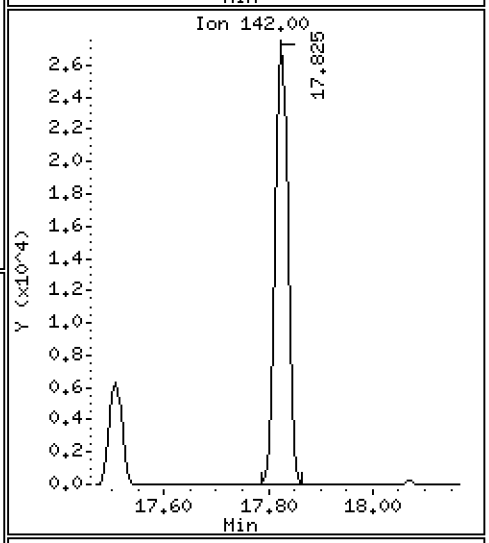


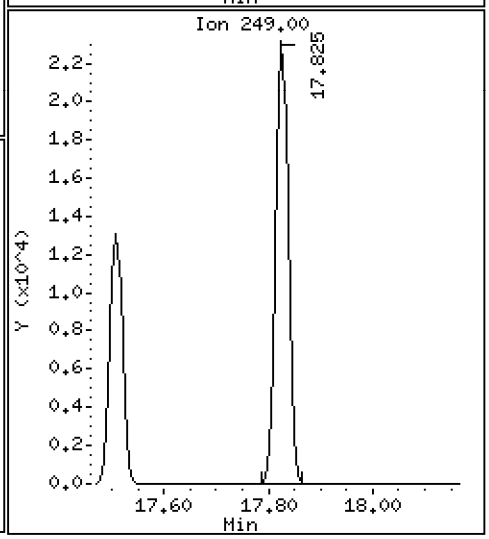












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

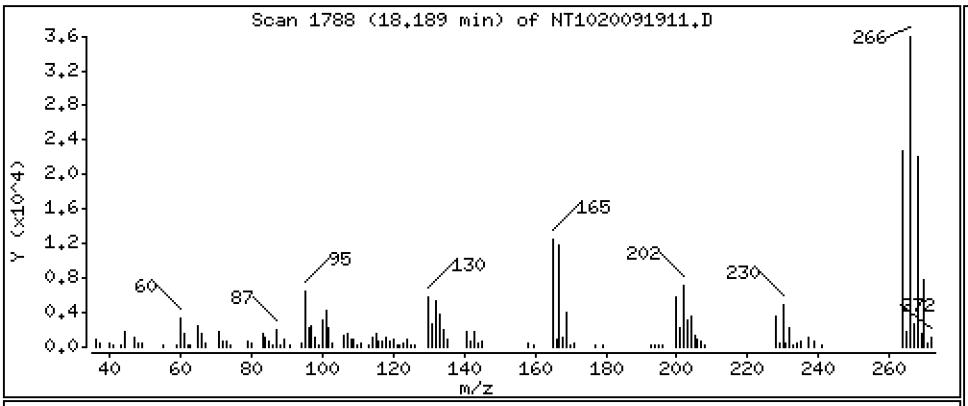
Operator: VTS

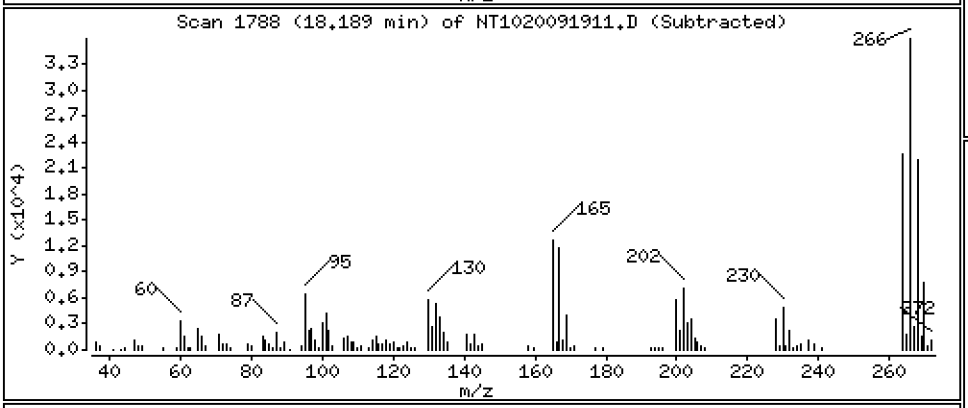
Column phase: ZB-5msi

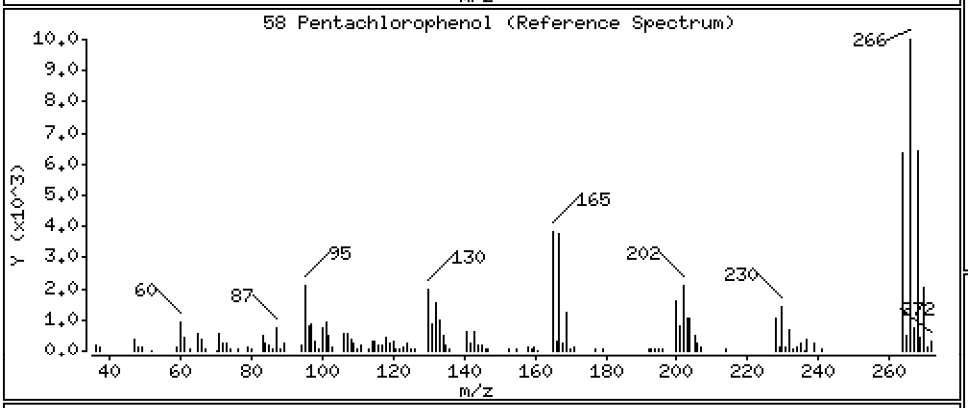
Column diameter: 0.25

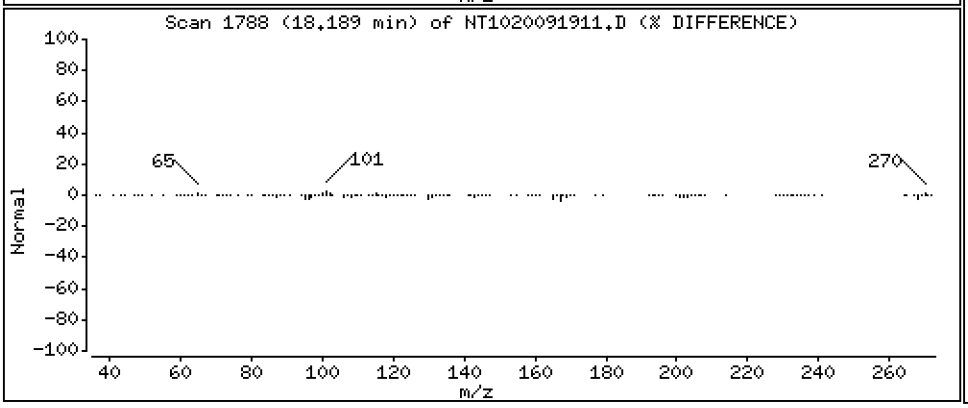
58 Pentachlorophenol

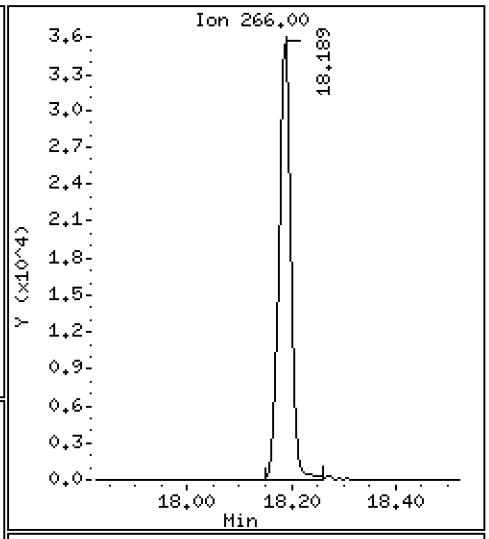
Concentration: 4.883 ug/mL

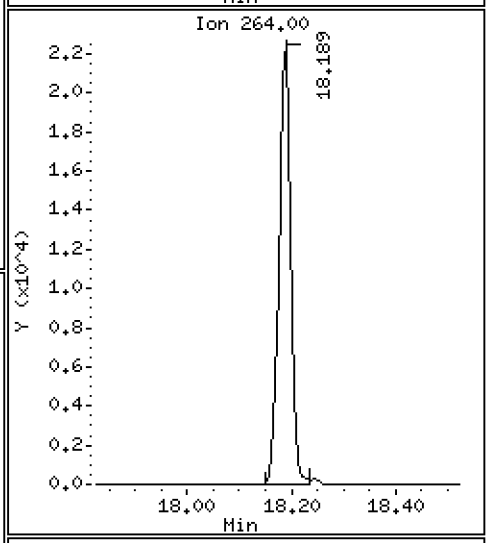


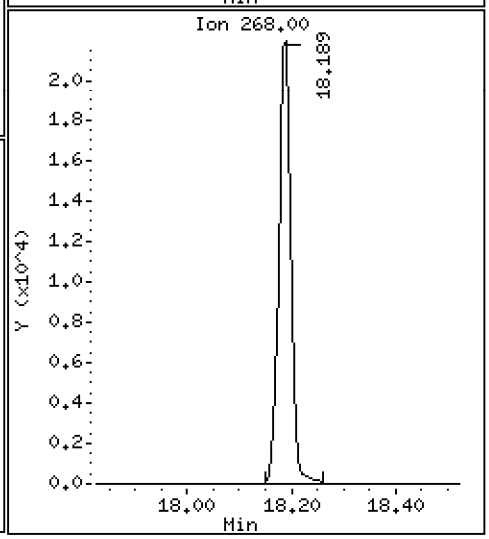












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

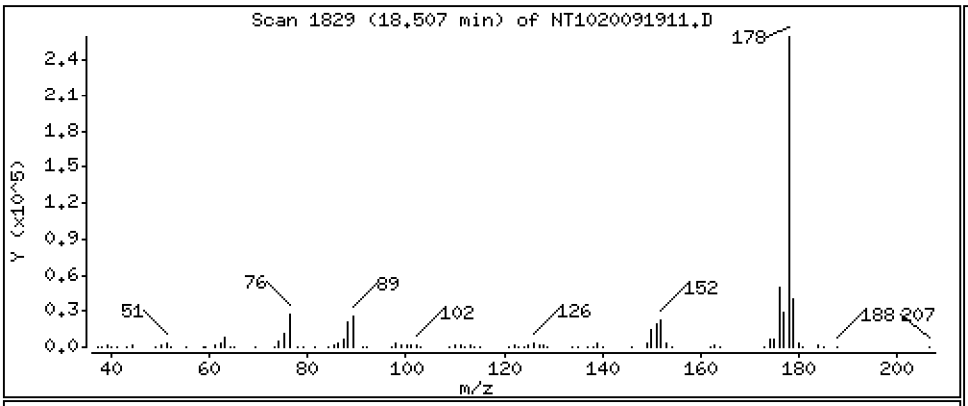
Operator: VTS

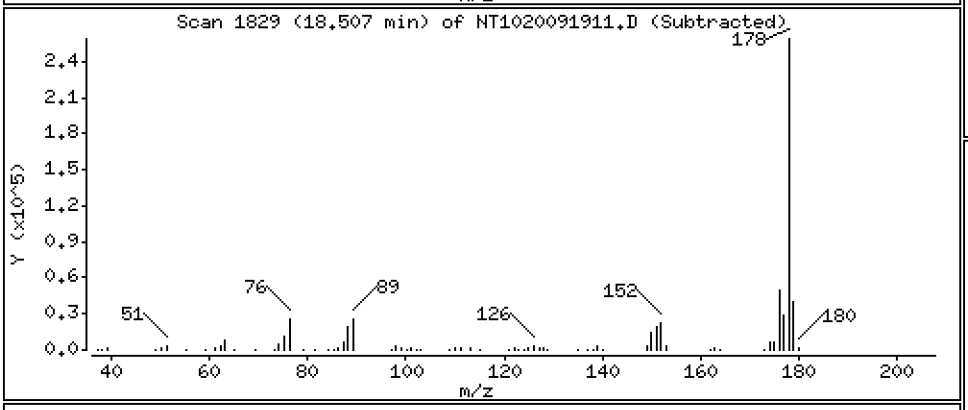
Column phase: ZB-5msi

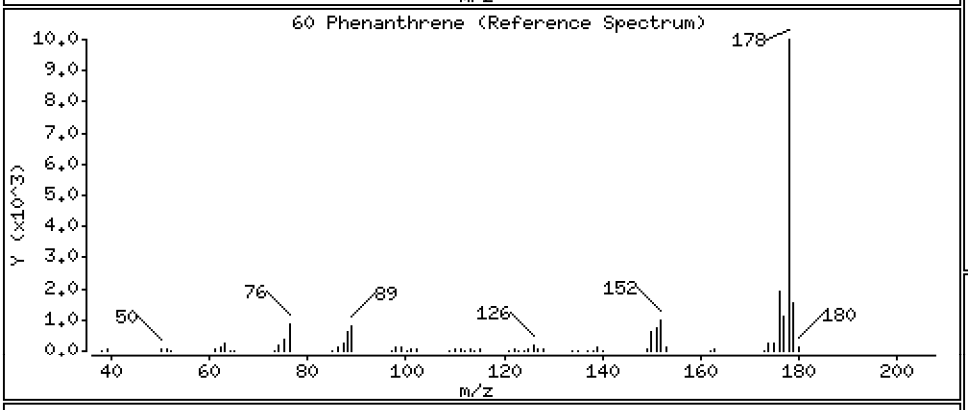
Column diameter: 0.25

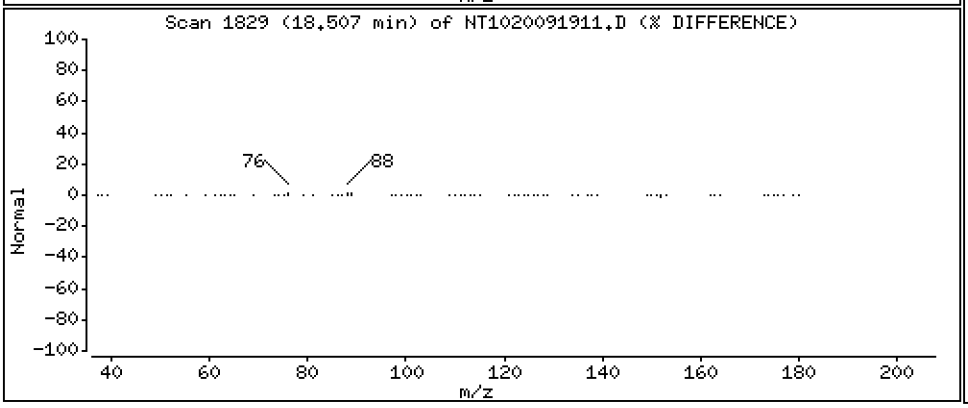
60 Phenanthrene

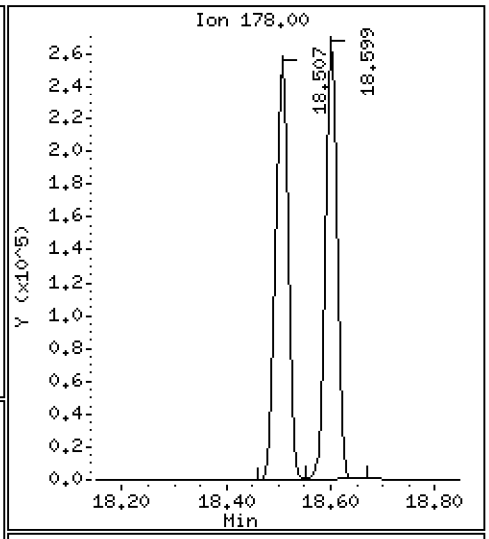
Concentration: 4.895 ug/mL

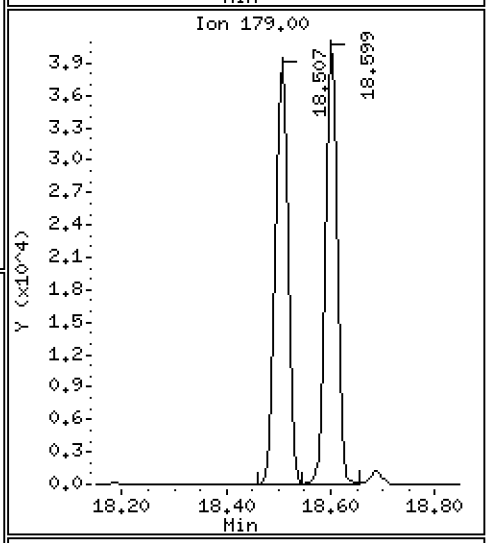


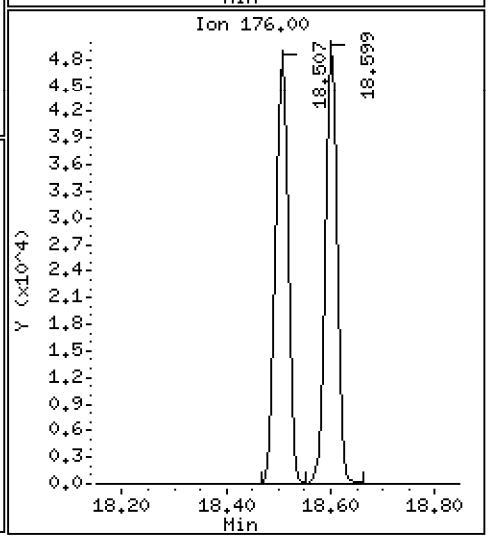












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

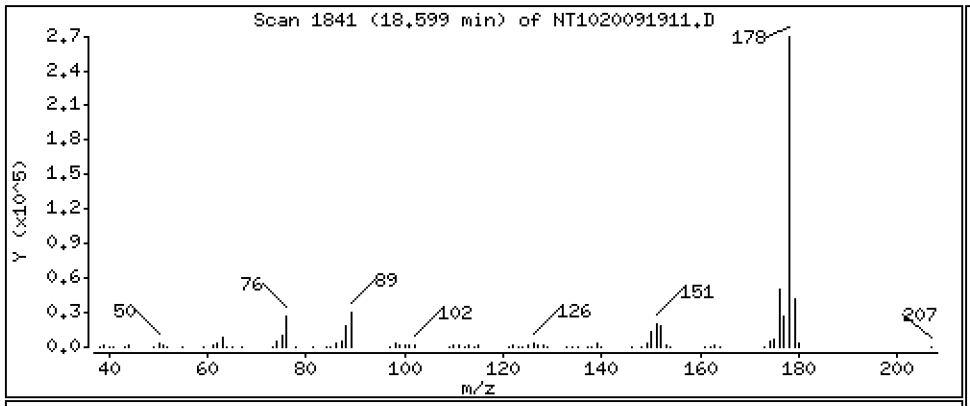
Operator: VTS

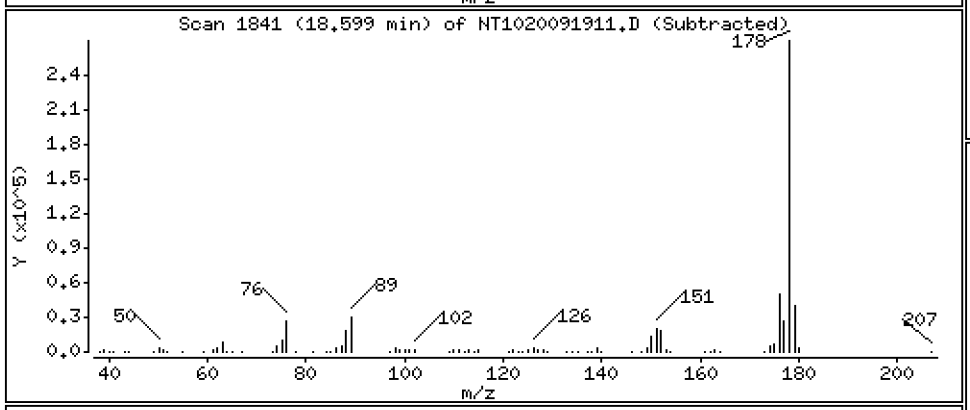
Column phase: ZB-5msi

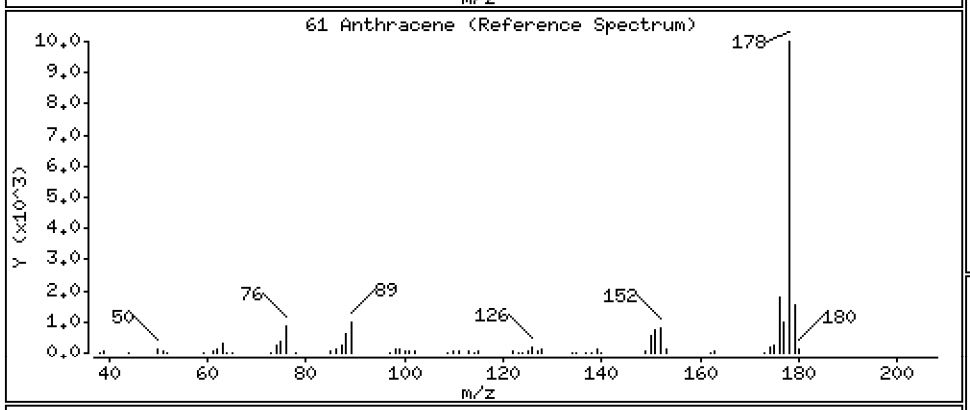
Column diameter: 0.25

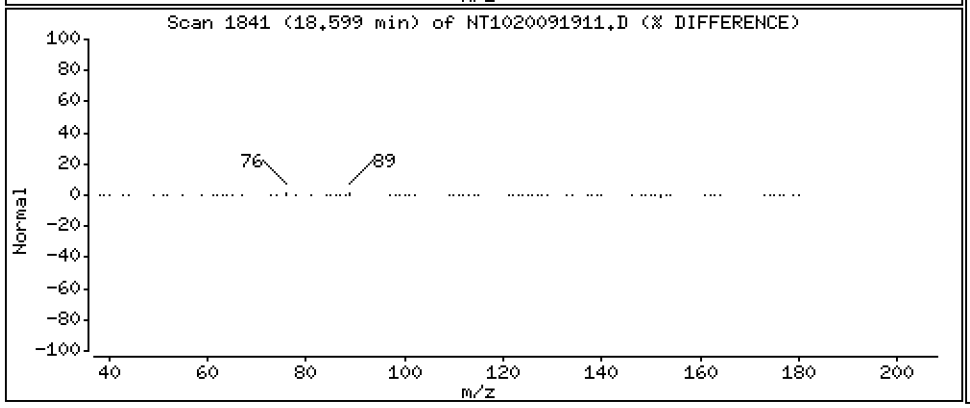
61 Anthracene

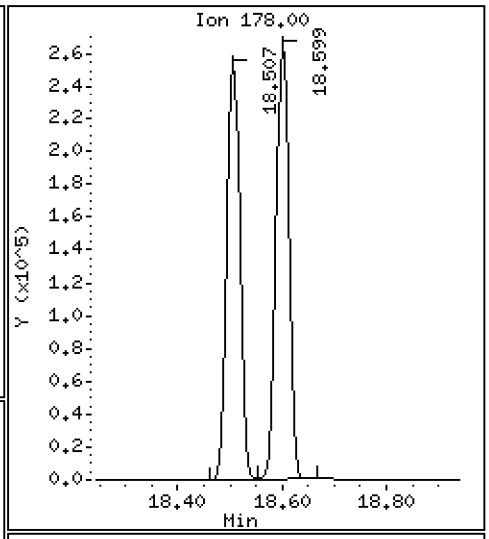
Concentration: 4.705 ug/mL

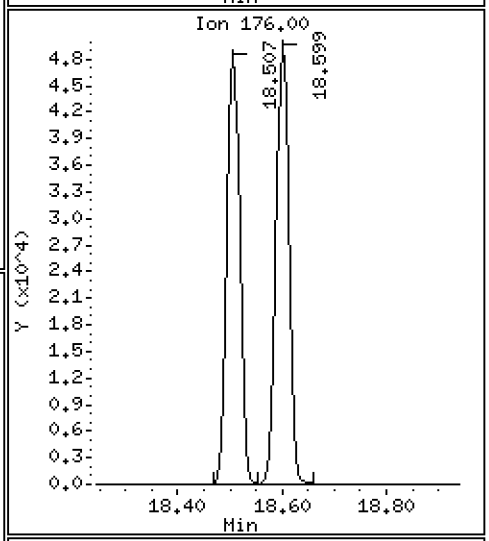


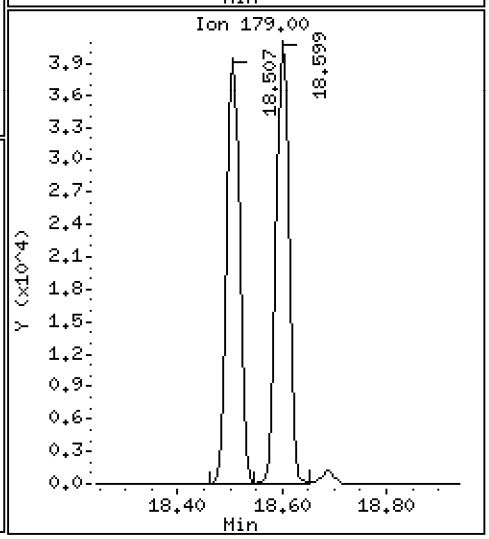












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

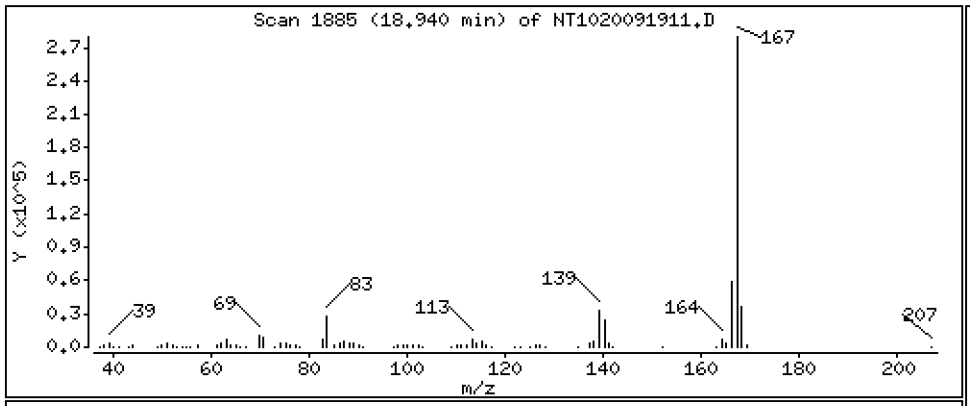
Operator: VTS

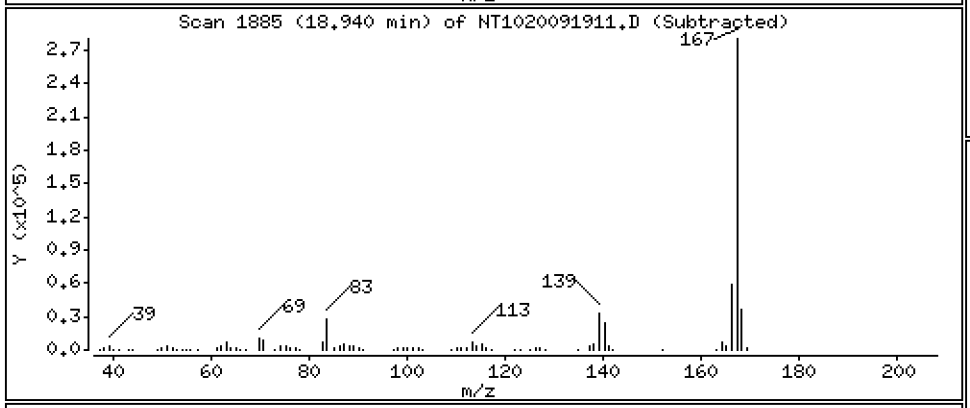
Column phase: ZB-5msi

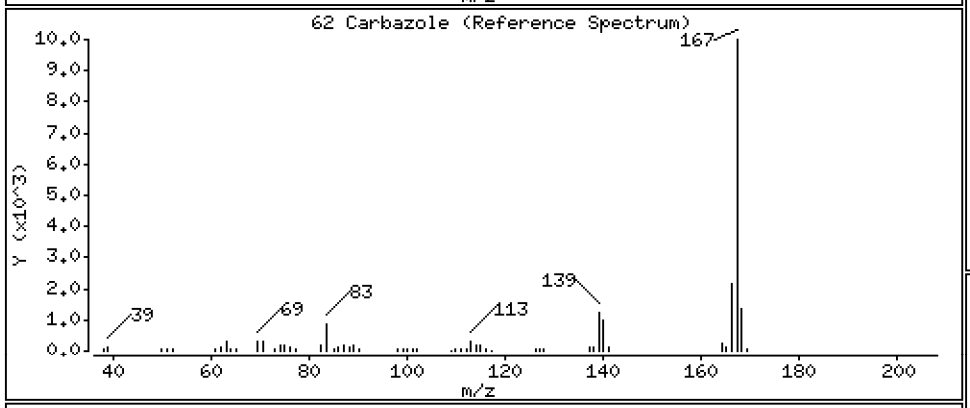
Column diameter: 0.25

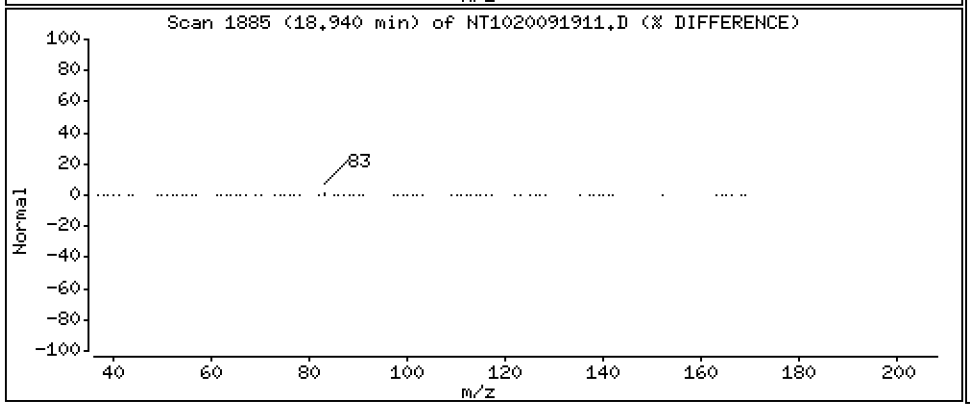
62 Carbazole

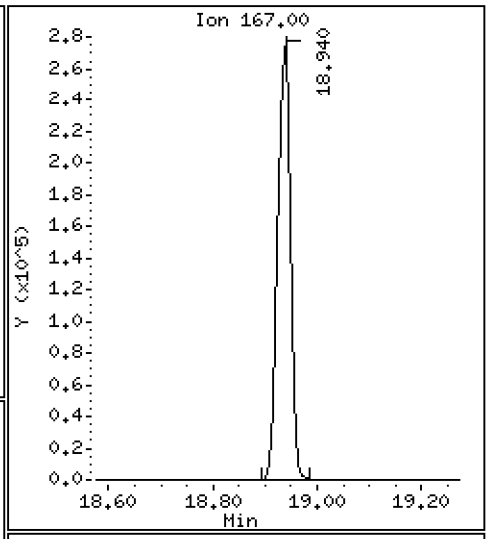
Concentration: 4.810 ug/mL

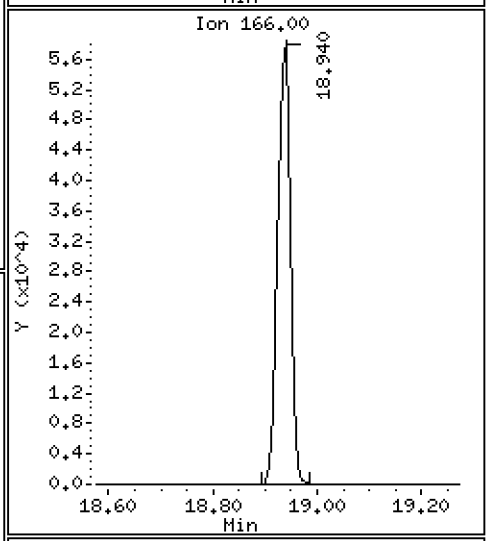


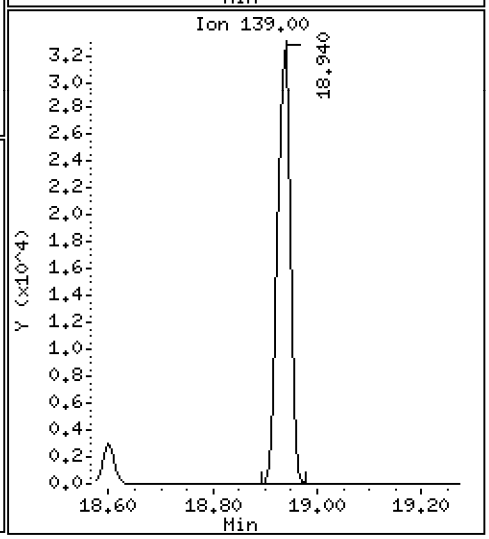












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

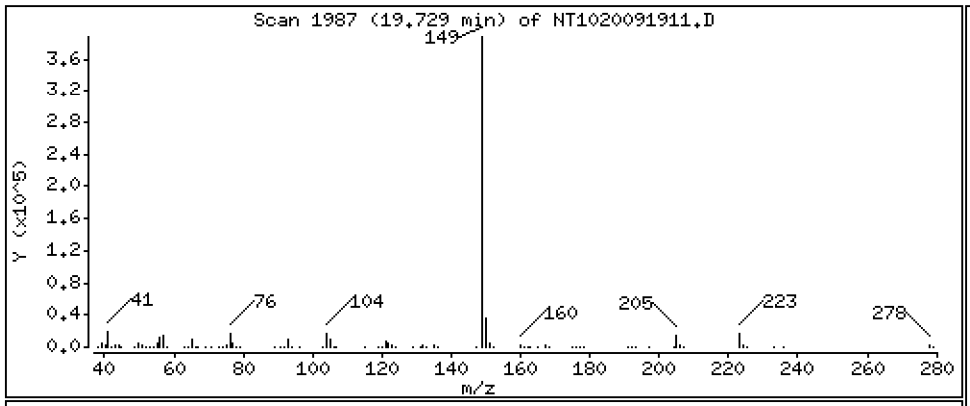
Operator: VTS

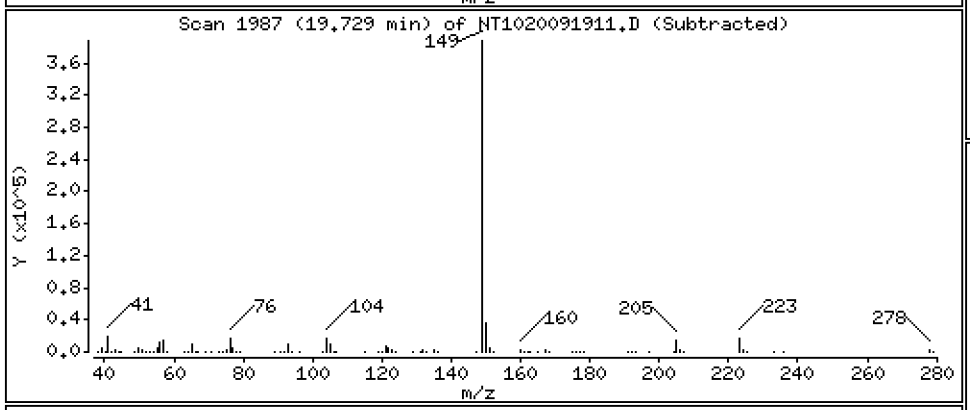
Column phase: ZB-5msi

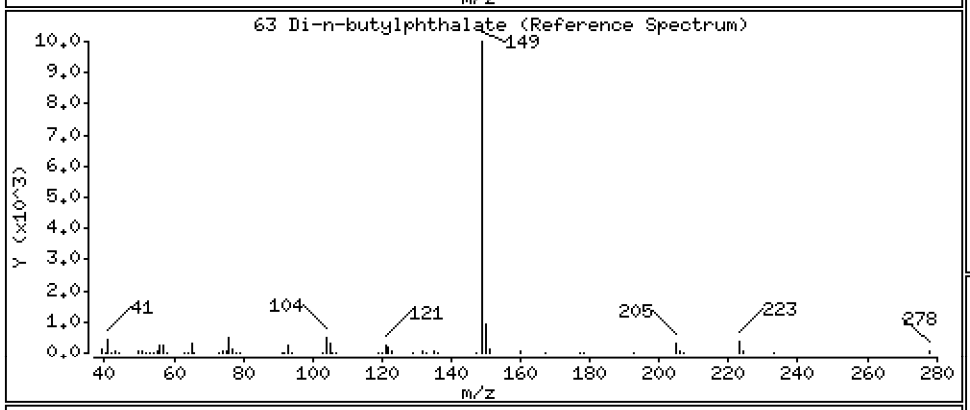
Column diameter: 0.25

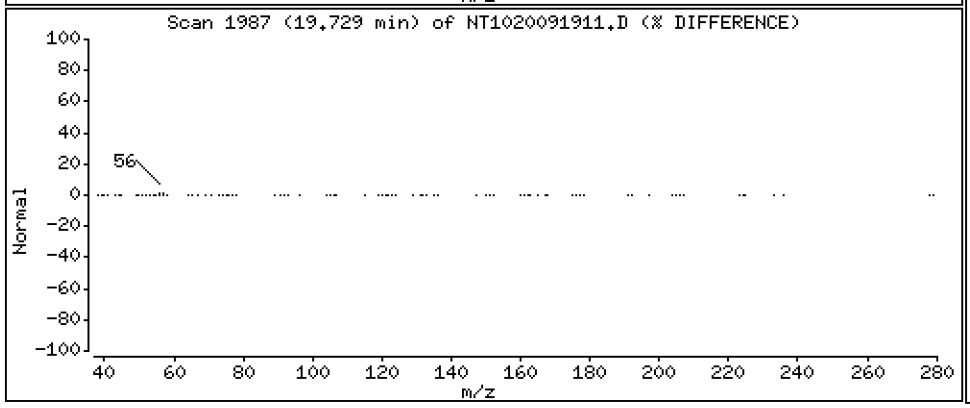
63 Di-n-butylphthalate

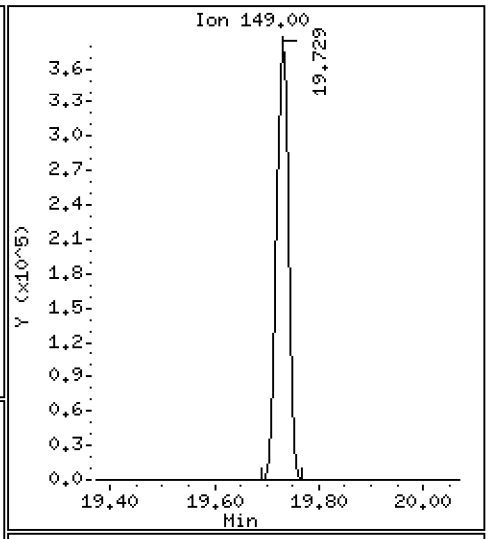
Concentration: 4.791 ug/mL

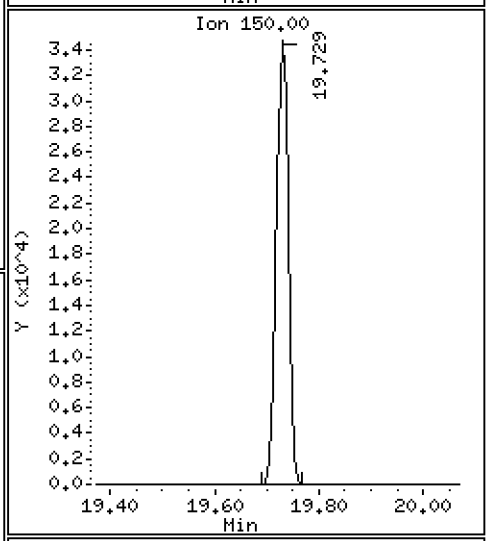


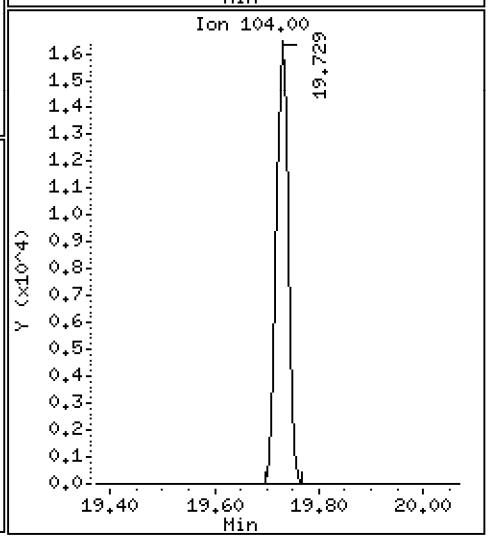












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

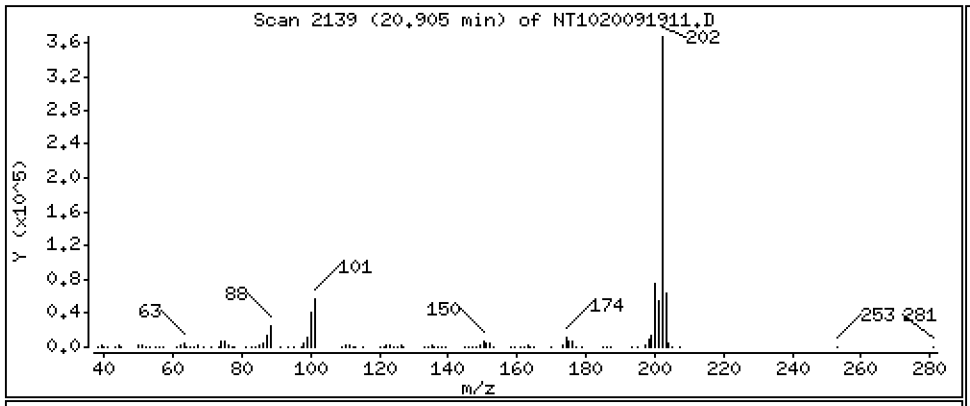
Operator: VTS

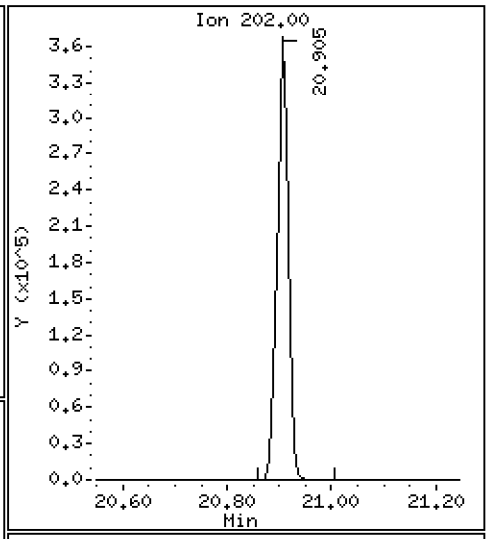
Column phase: ZB-5msi

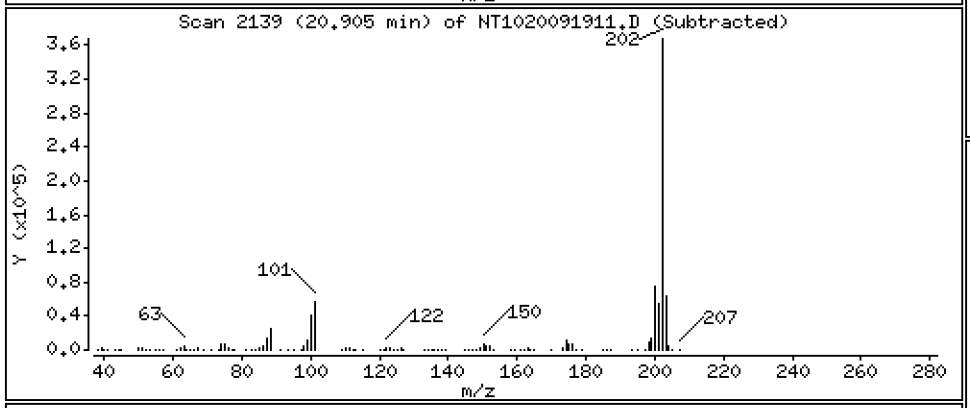
Column diameter: 0.25

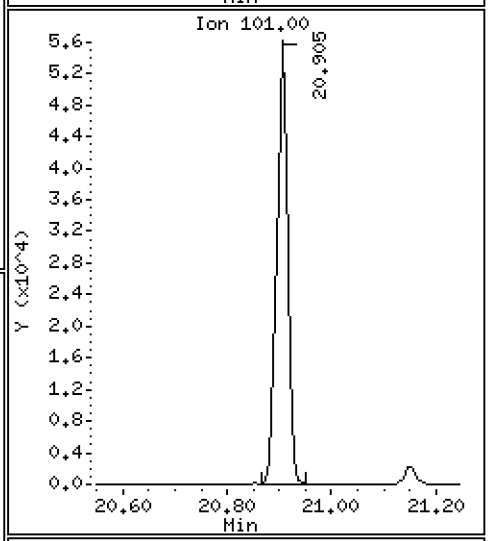
64 Fluoranthene

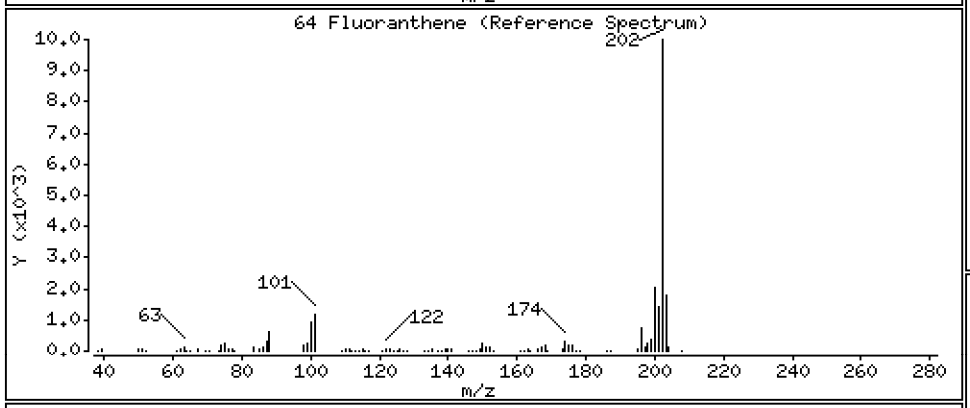
Concentration: 4.530 ug/mL

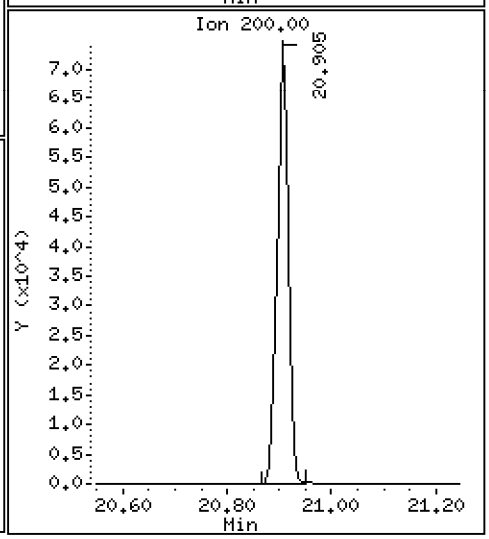


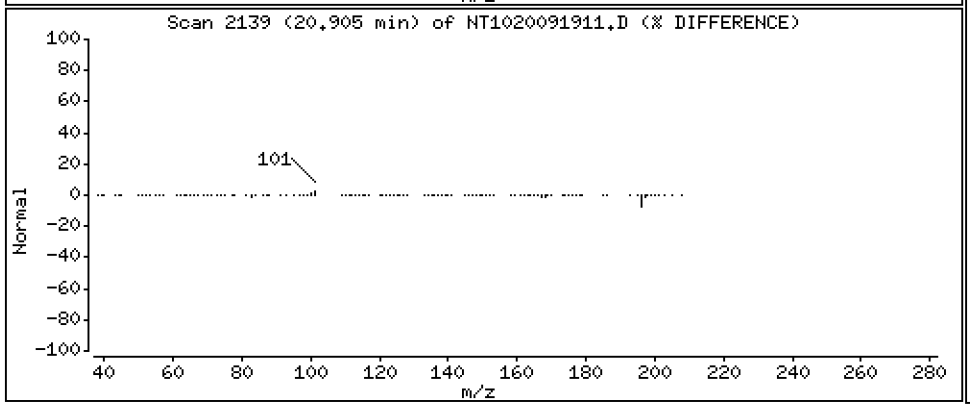












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

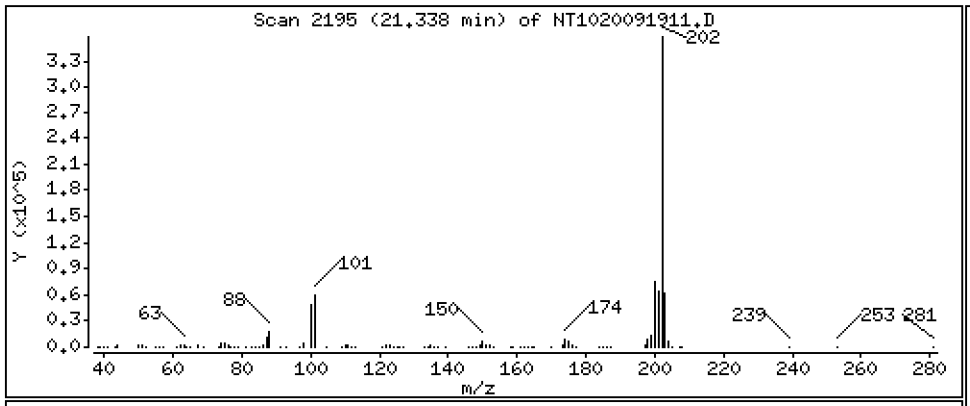
Operator: VTS

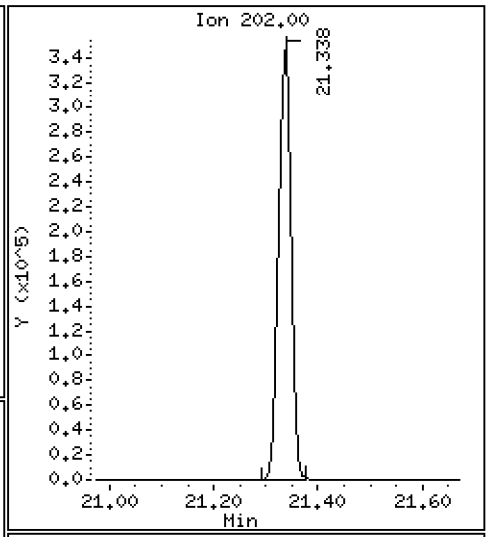
Column phase: ZB-5msi

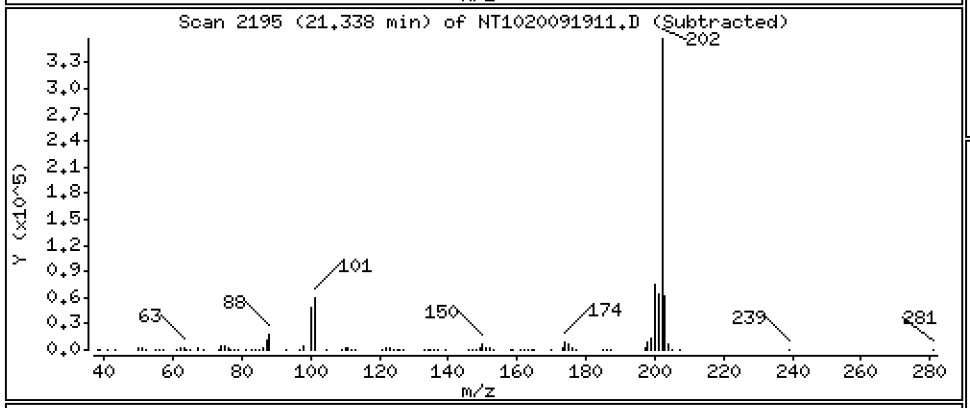
Column diameter: 0.25

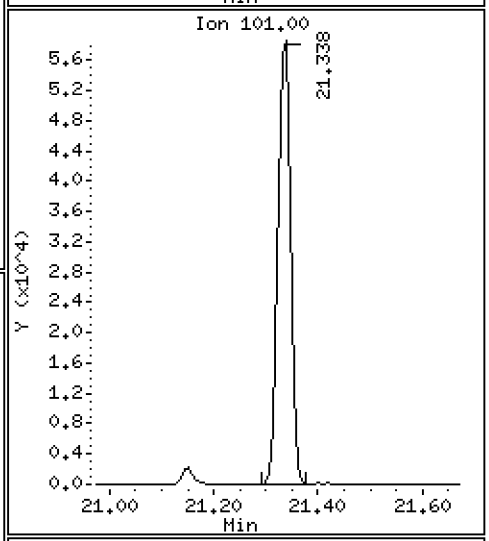
65 Pyrene

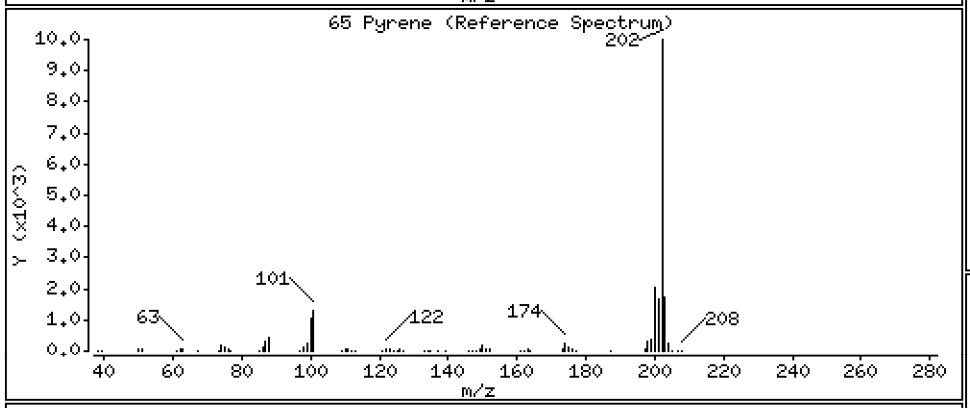
Concentration: 4.716 ug/mL

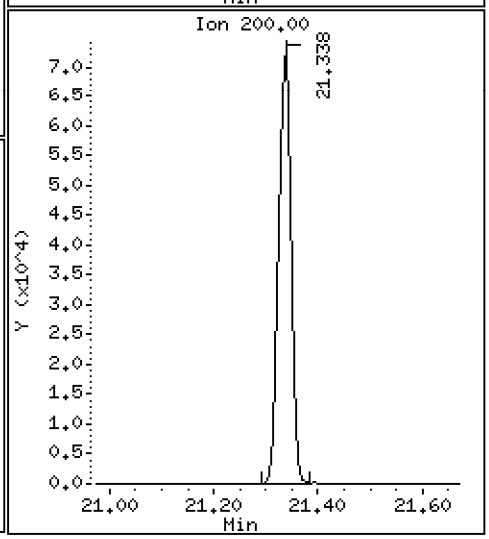


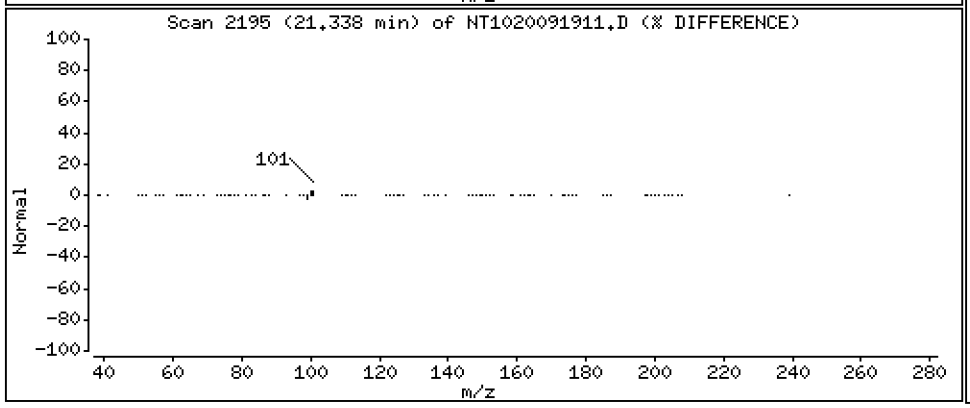












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

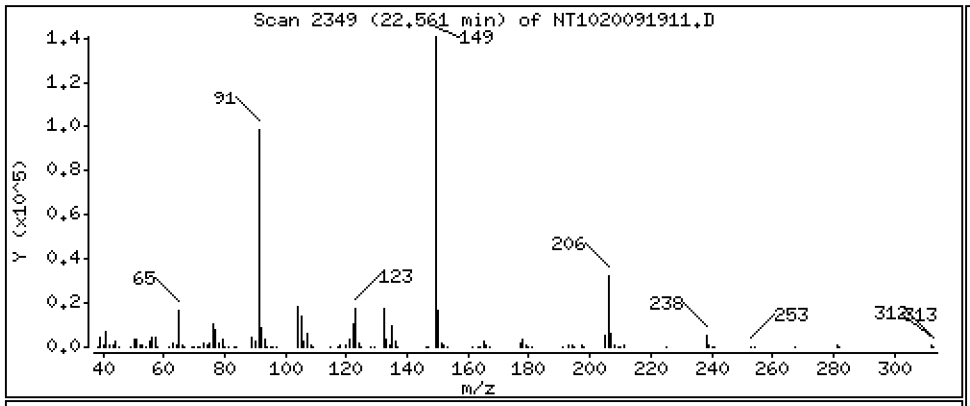
Operator: VTS

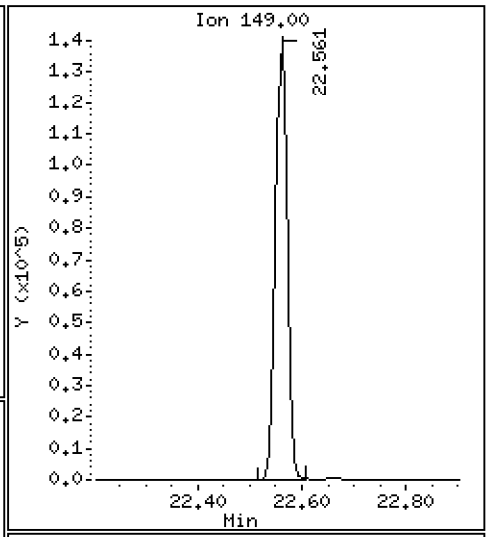
Column phase: ZB-5msi

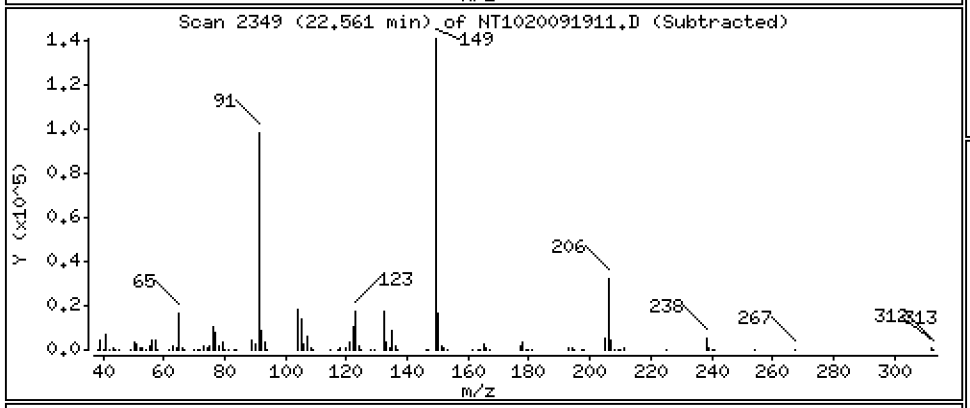
Column diameter: 0.25

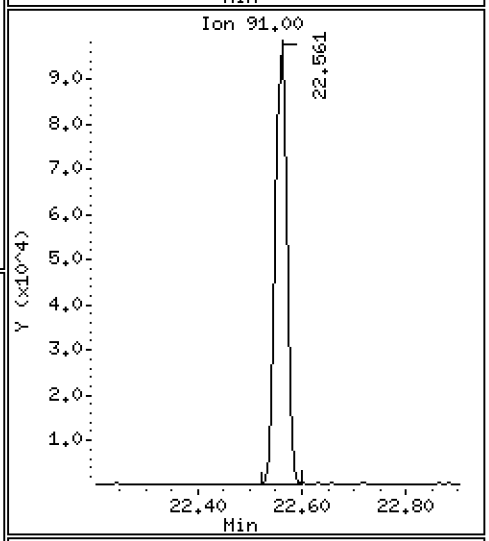
67 Butylbenzylphthalate

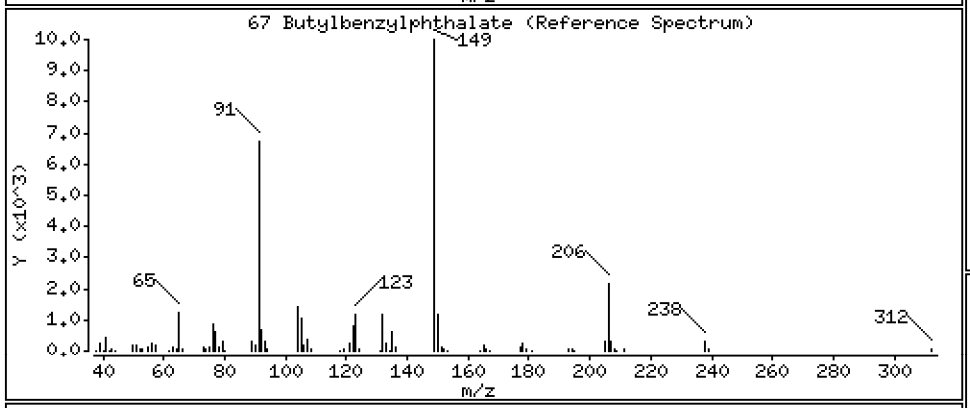
Concentration: 4.812 ug/mL

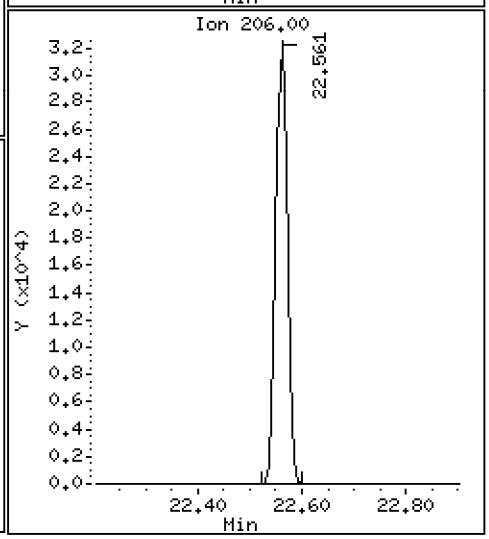


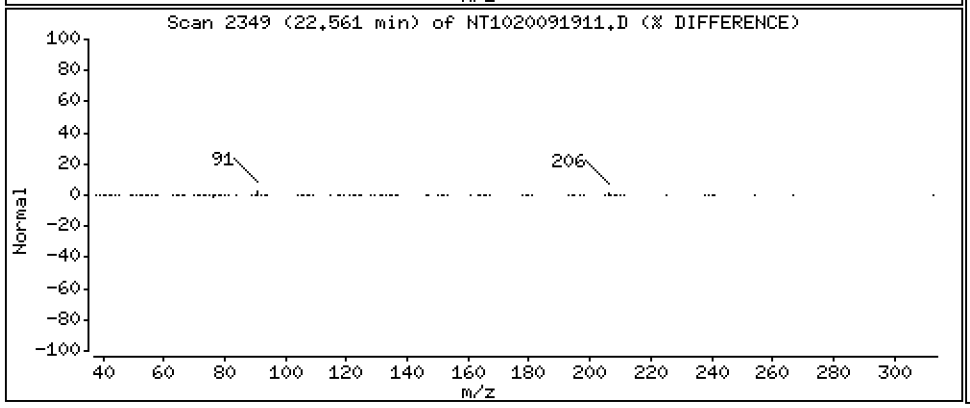












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

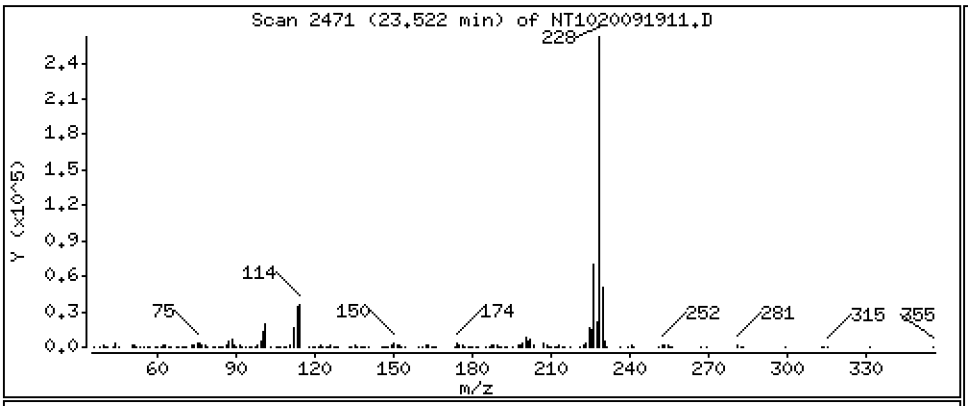
Operator: VTS

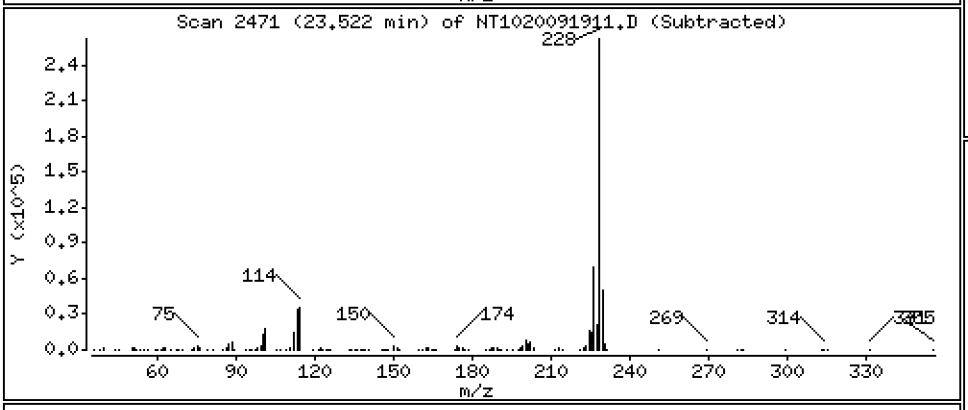
Column phase: ZB-5msi

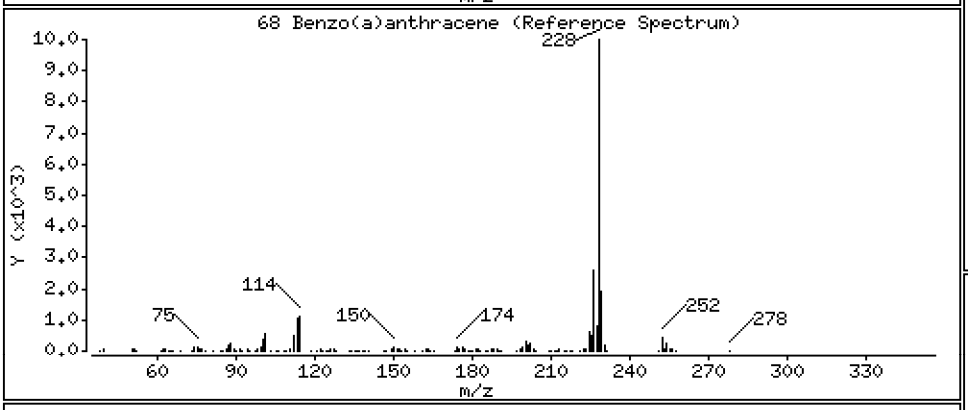
Column diameter: 0.25

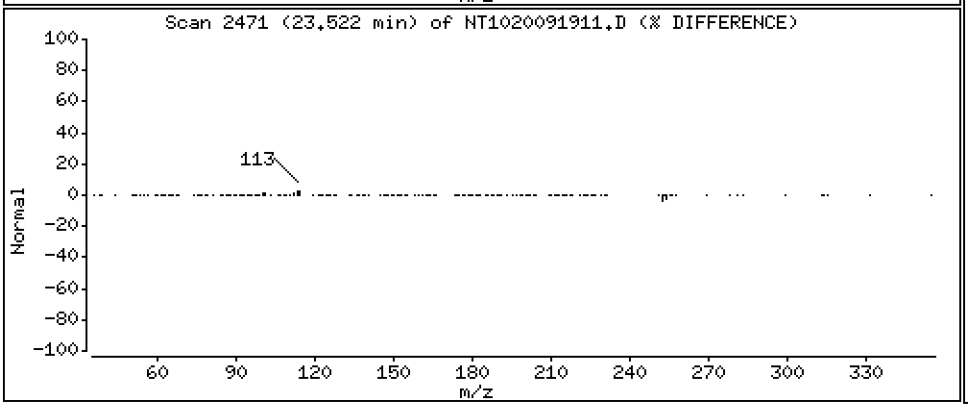
68 Benzo(a)anthracene

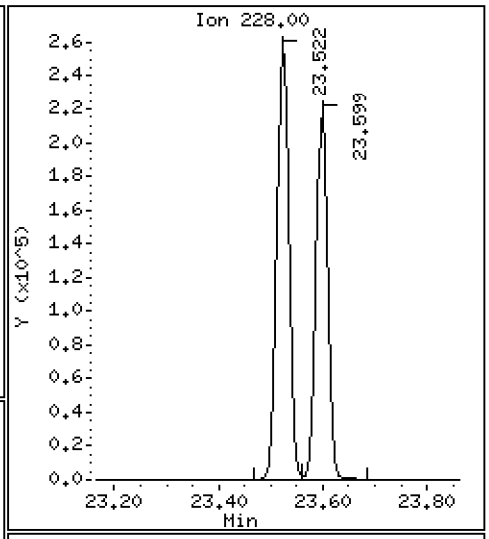
Concentration: 4.727 ug/mL

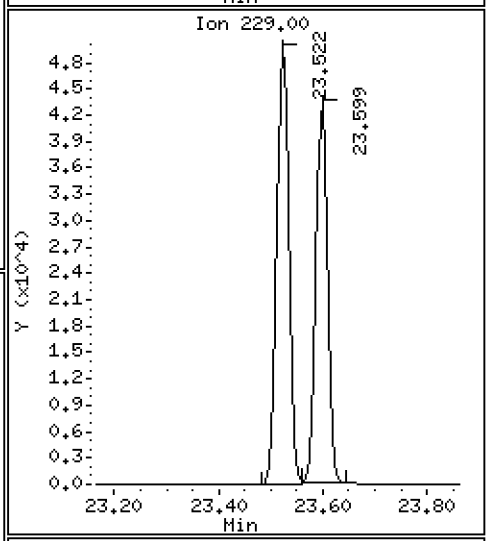


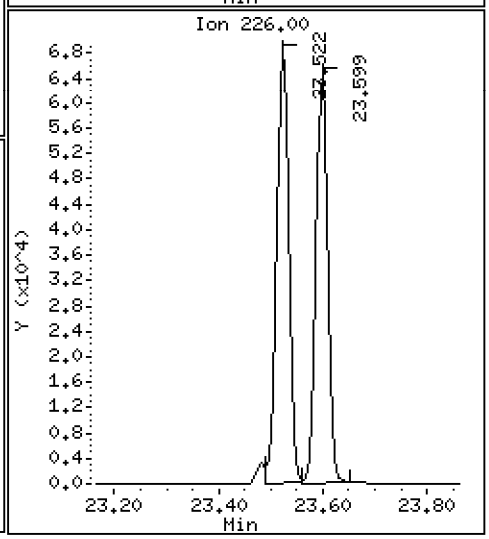












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

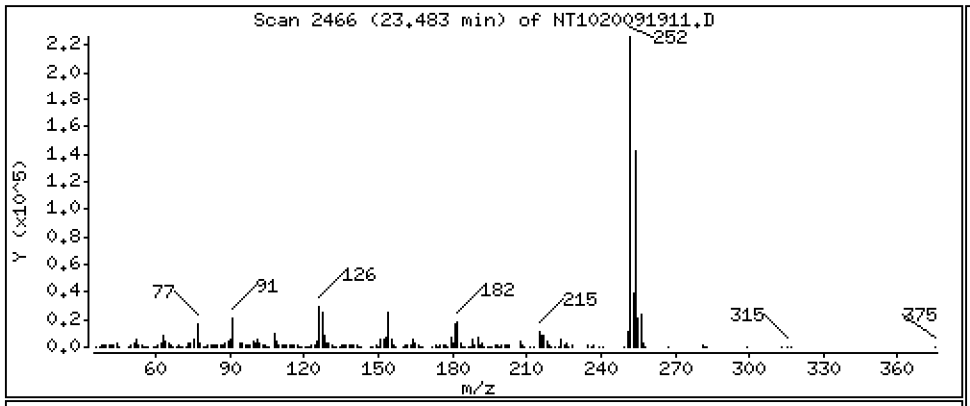
Operator: VTS

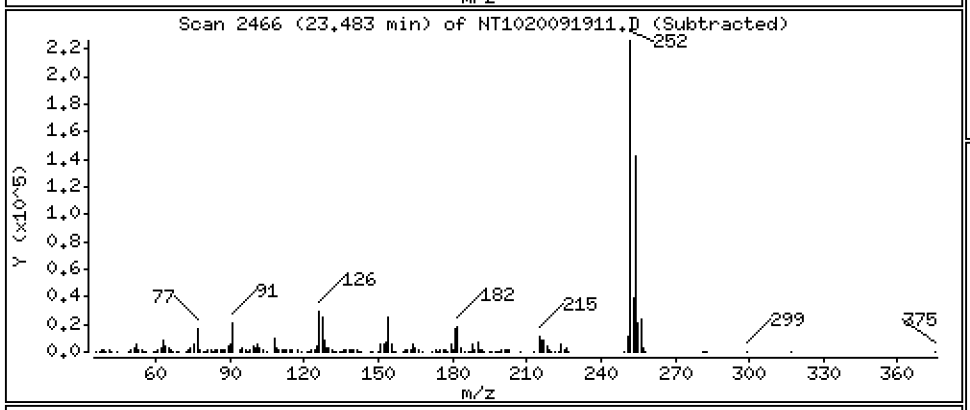
Column phase: ZB-5msi

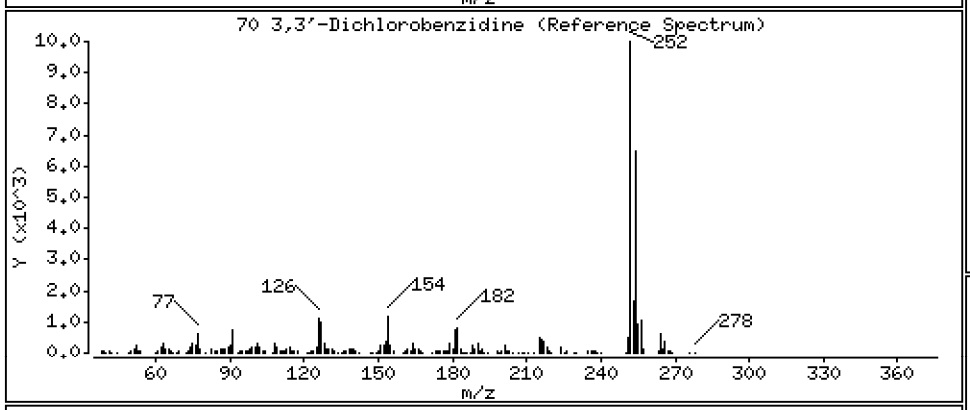
Column diameter: 0.25

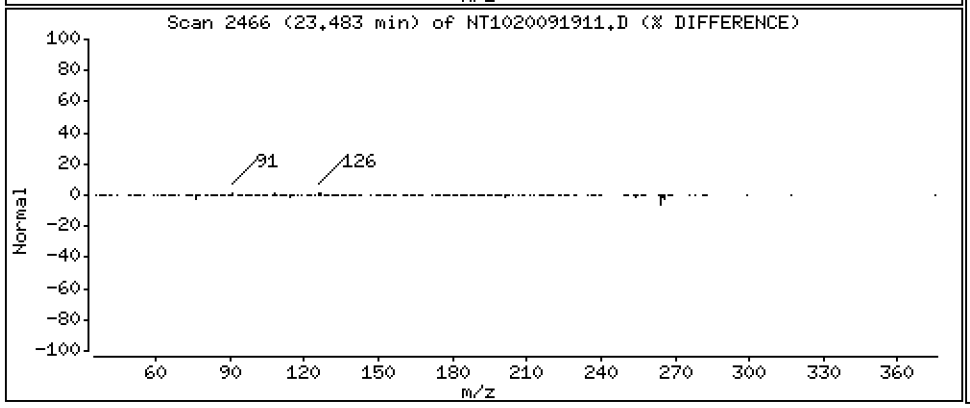
70 3,3'-Dichlorobenzidine

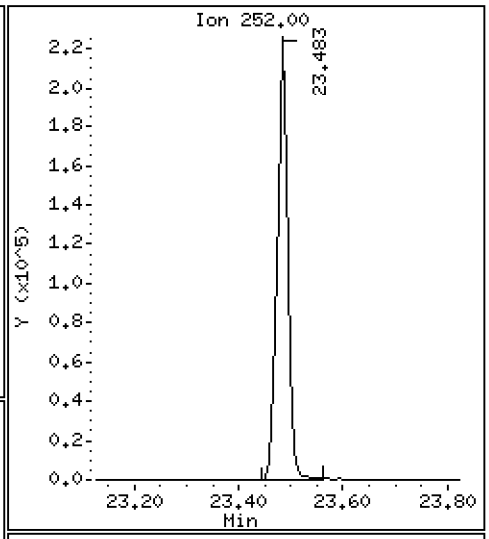
Concentration: 10.10 ug/mL

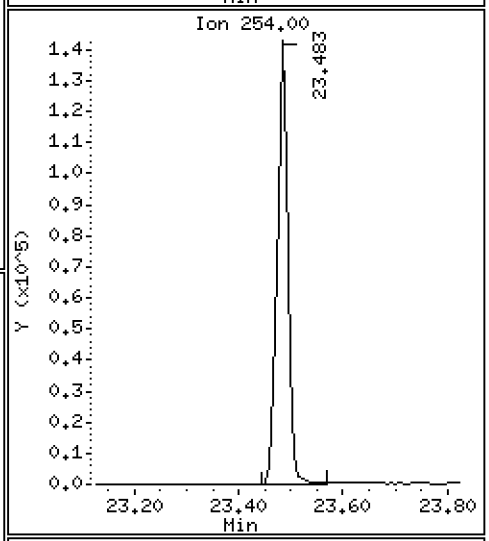


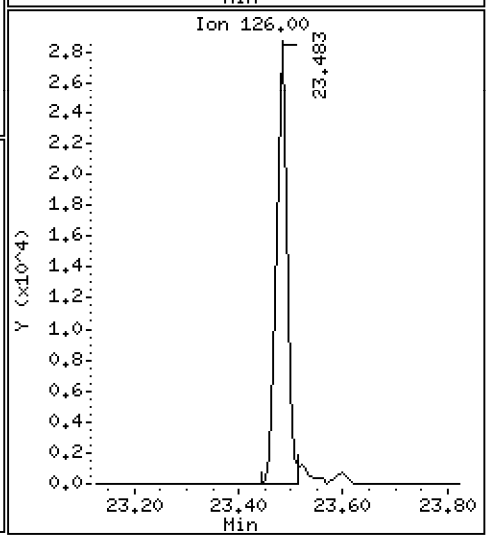












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

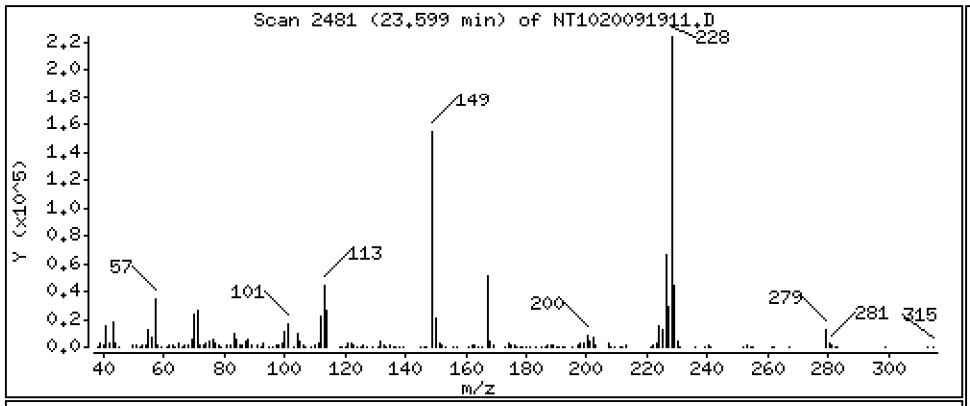
Operator: VTS

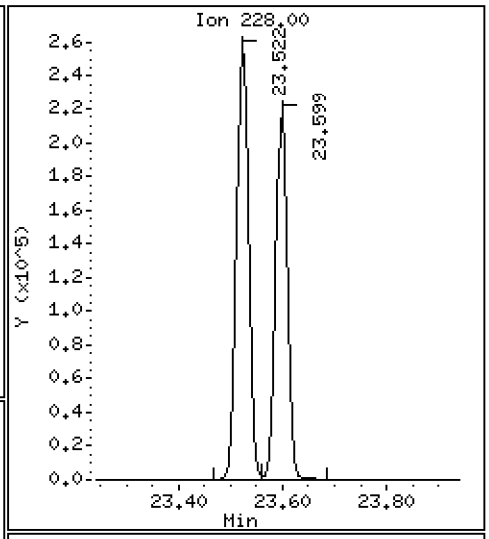
Column phase: ZB-5msi

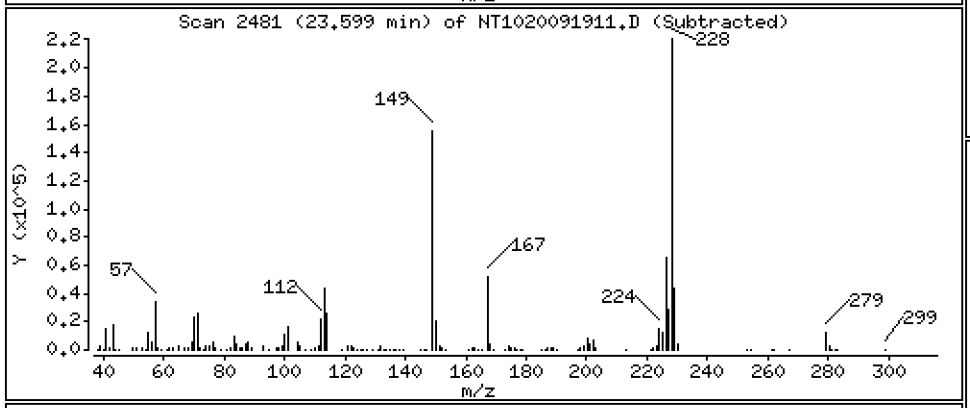
Column diameter: 0.25

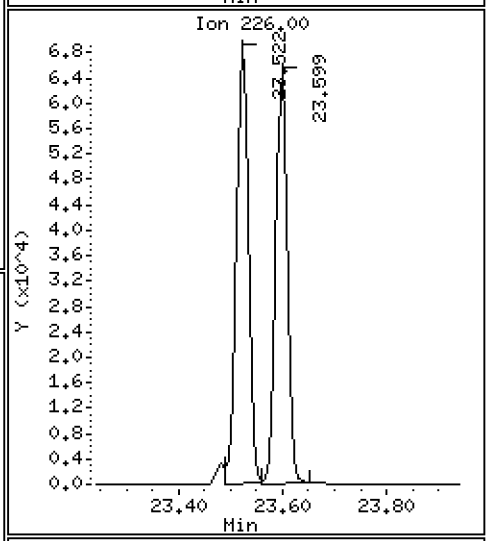
71 Chrysene

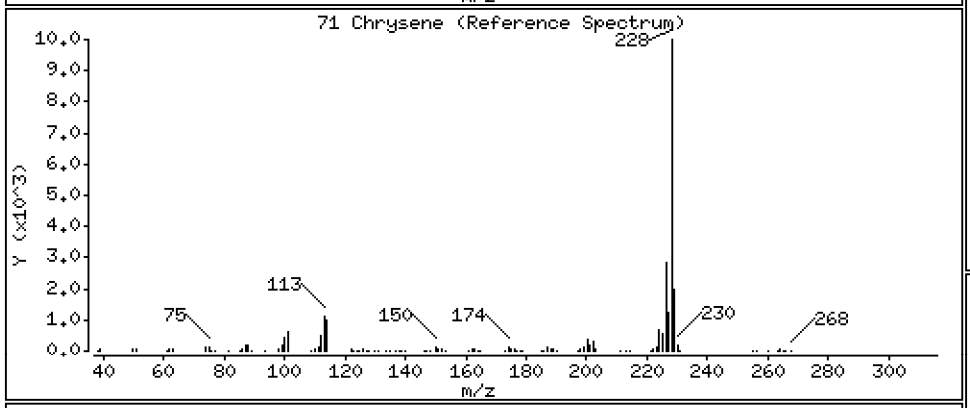
Concentration: 4.791 ug/mL

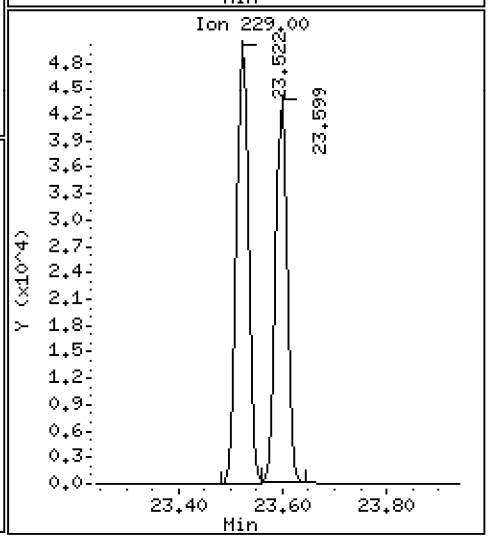


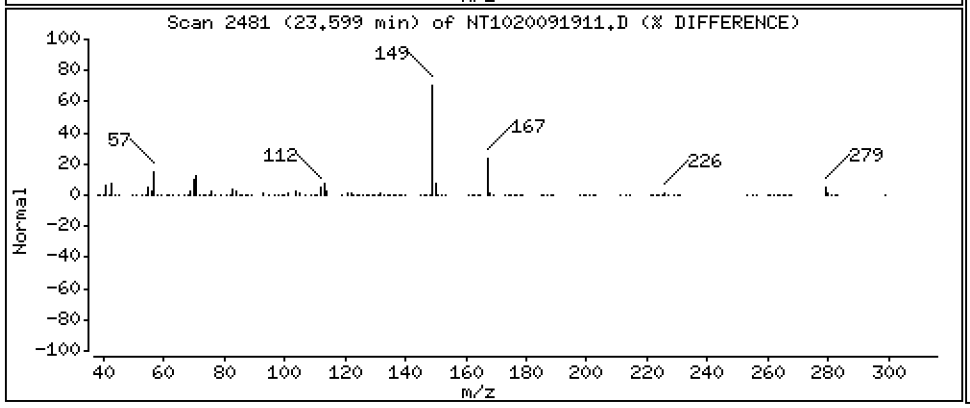












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

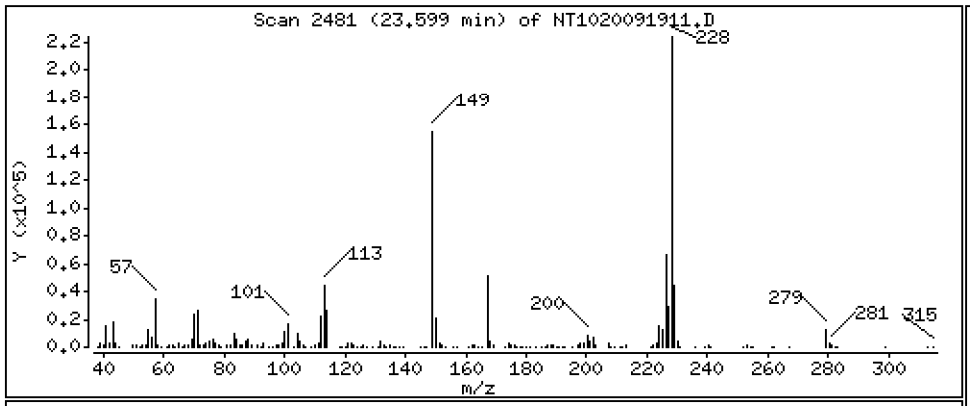
Operator: VTS

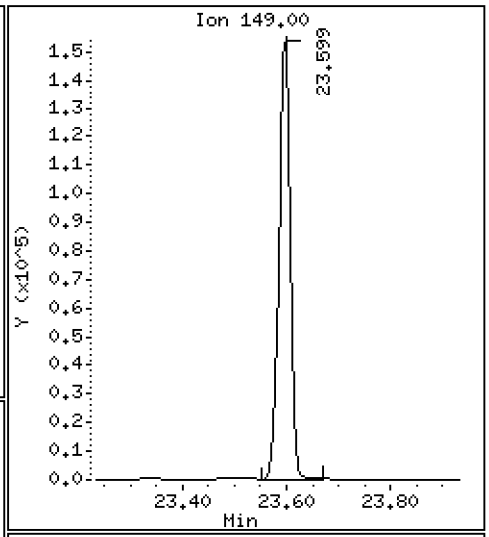
Column phase: ZB-5msi

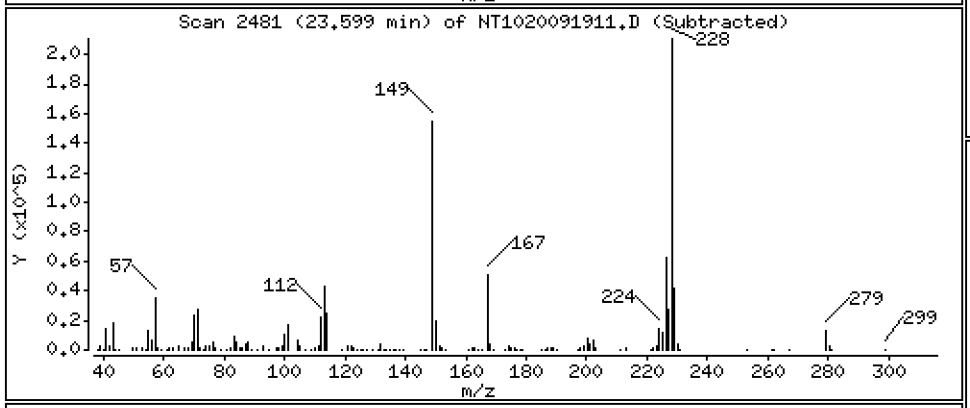
Column diameter: 0.25

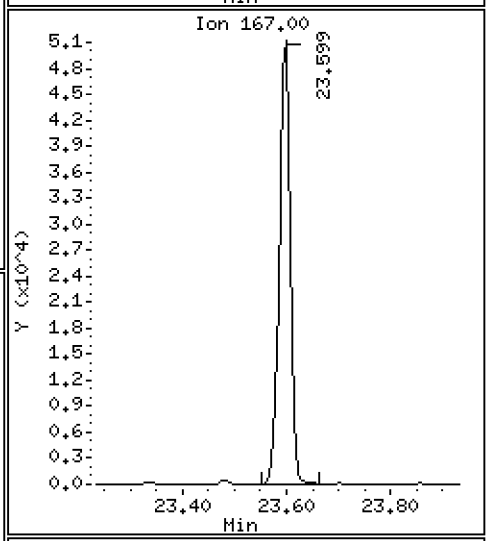
72 bis(2-Ethylhexyl)phthalate

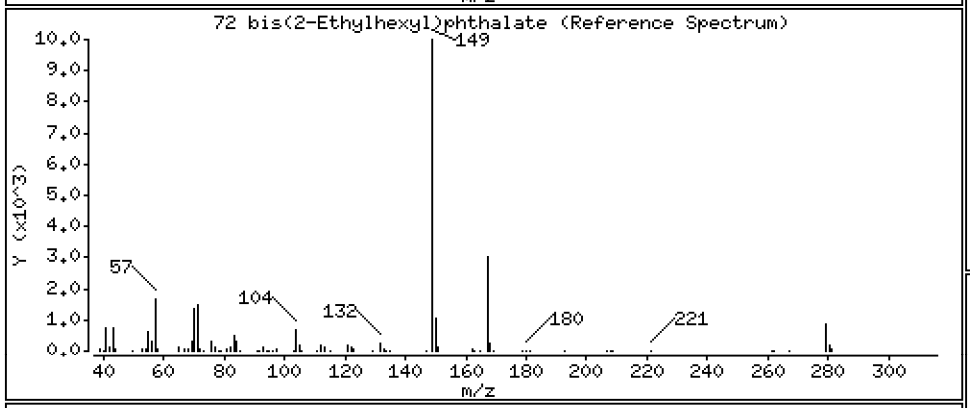
Concentration: 4.731 ug/mL

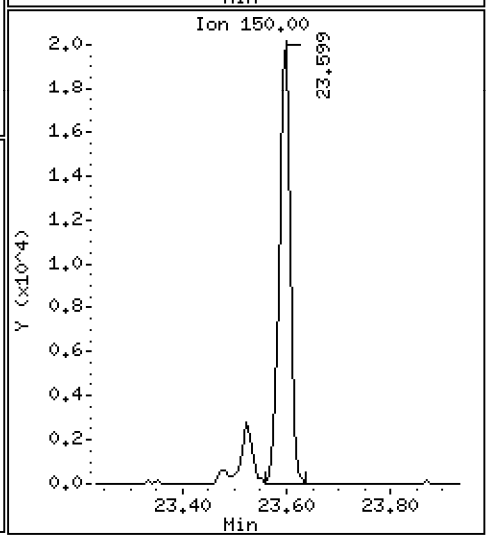


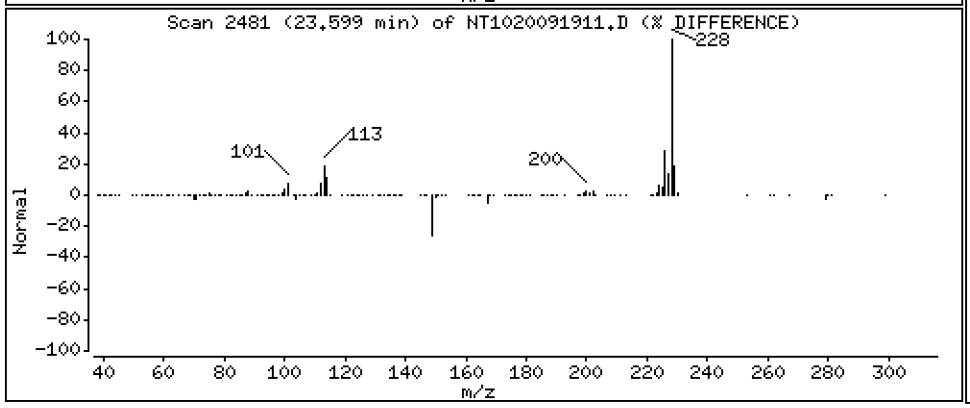












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

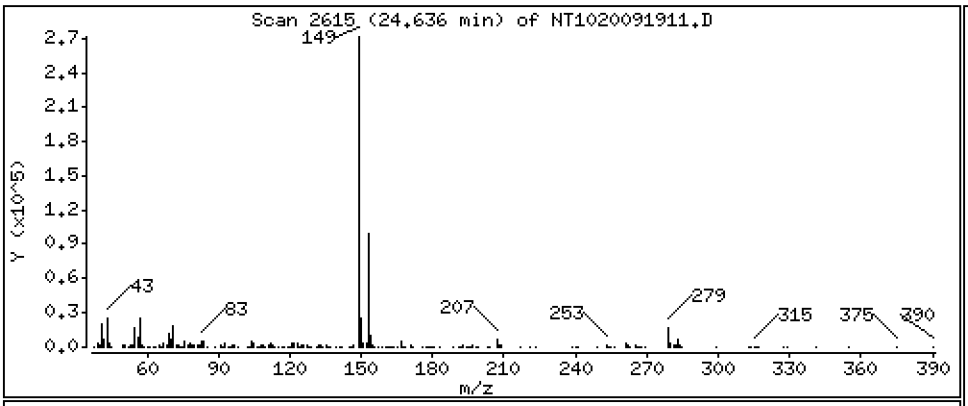
Operator: VTS

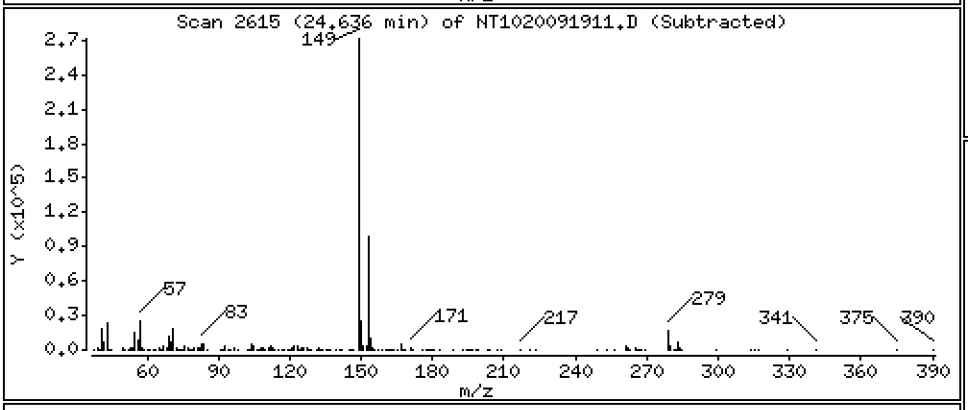
Column phase: ZB-5msi

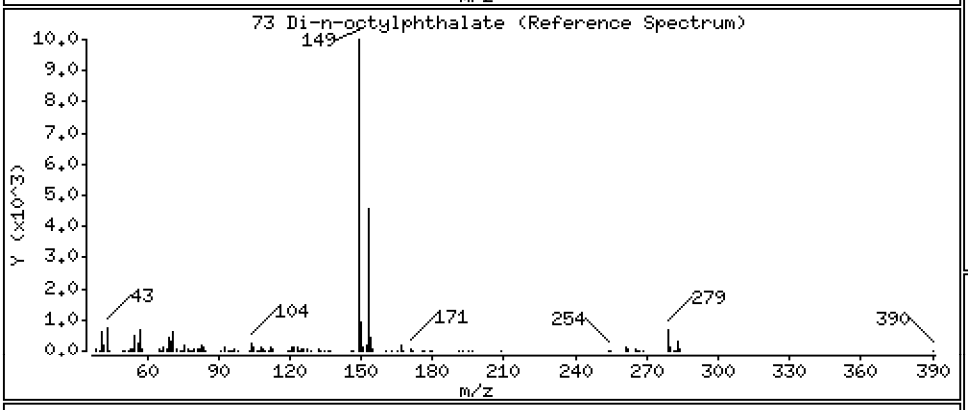
Column diameter: 0.25

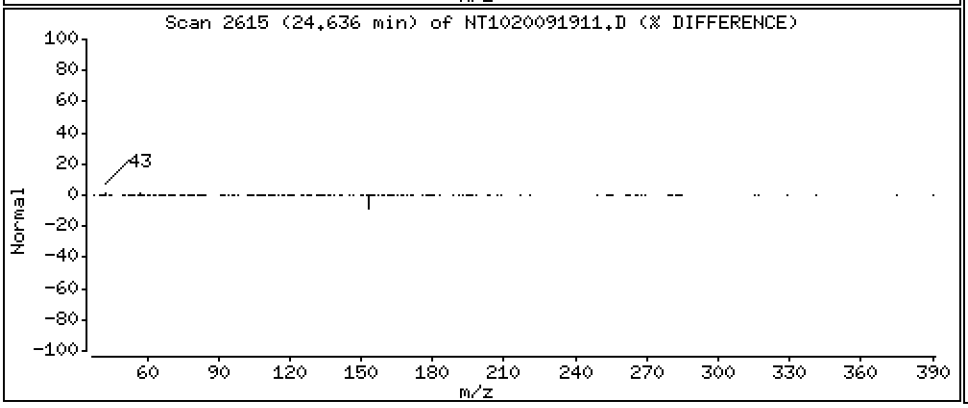
73 Di-n-octylphthalate

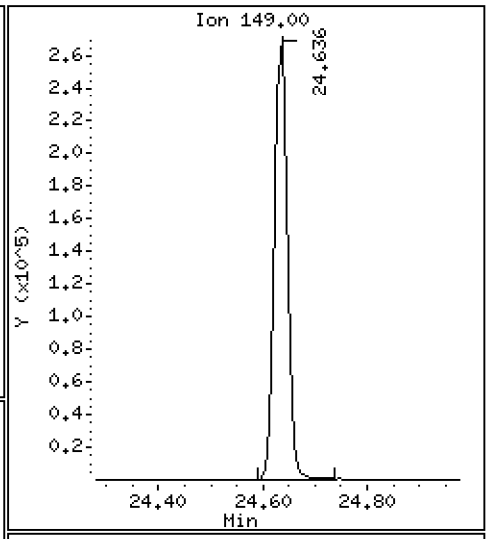
Concentration: 4.854 ug/mL

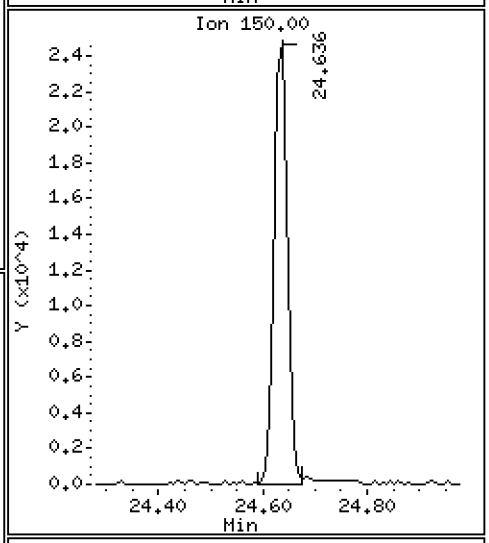


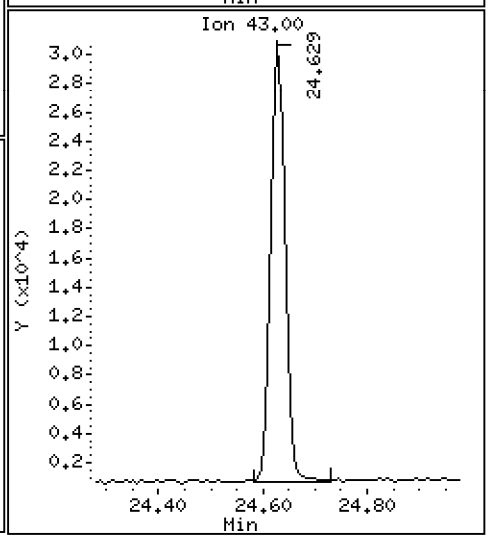












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

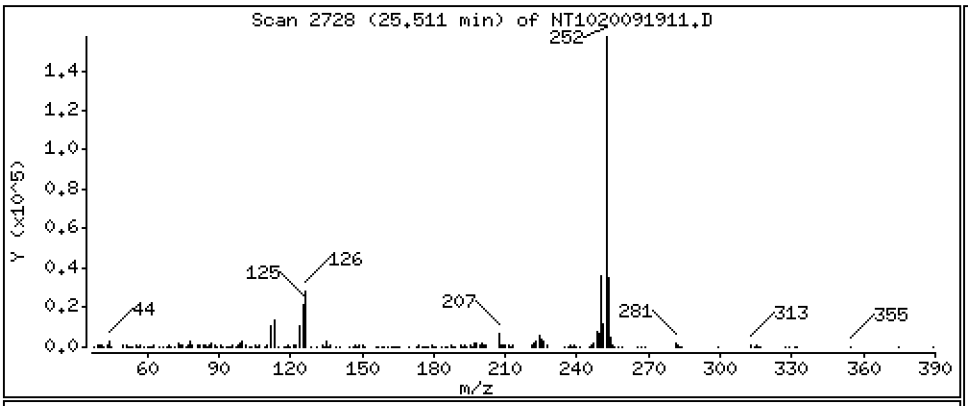
Operator: VTS

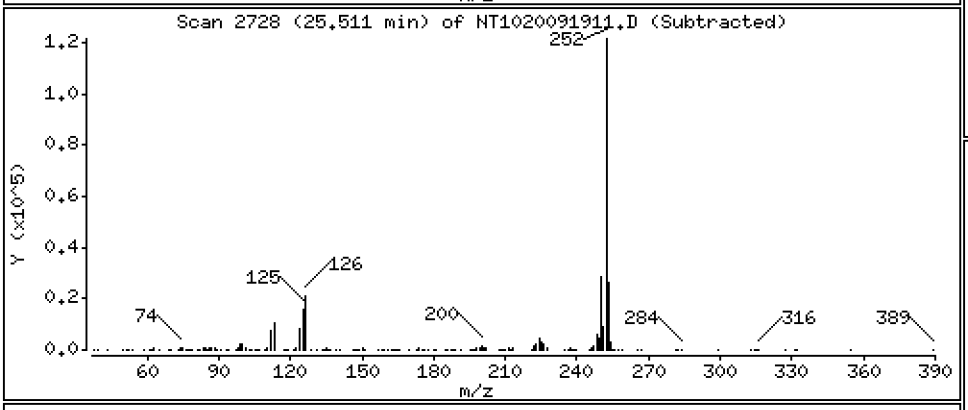
Column phase: ZB-5msi

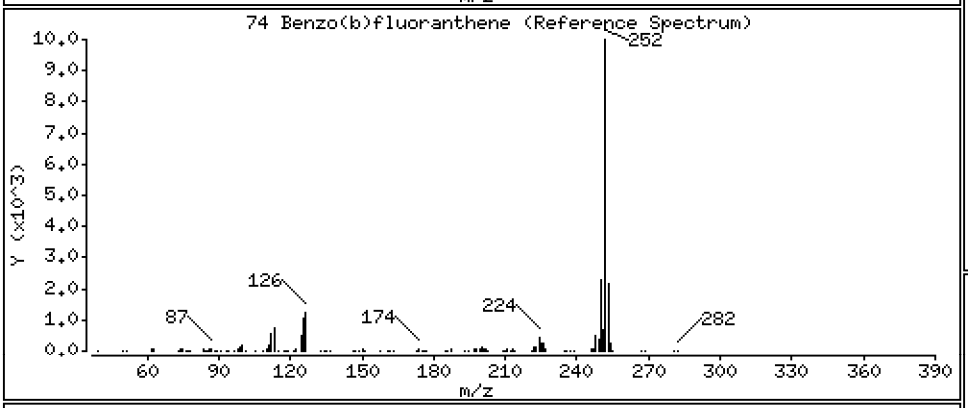
Column diameter: 0.25

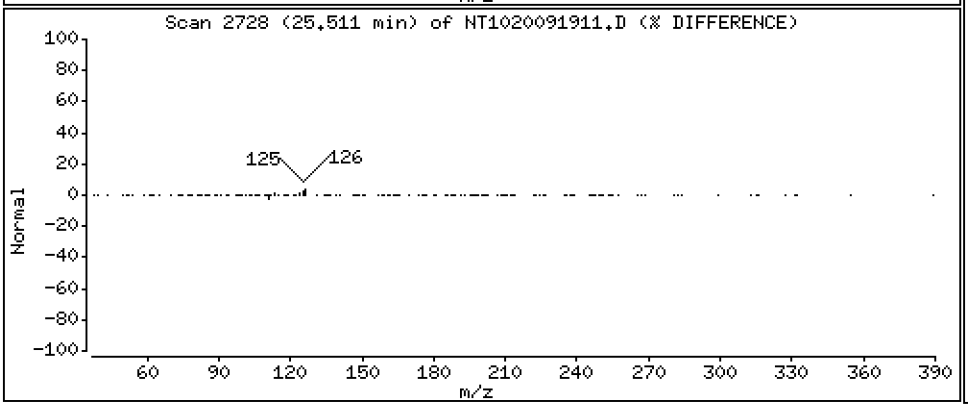
74 Benzo(b)fluoranthene

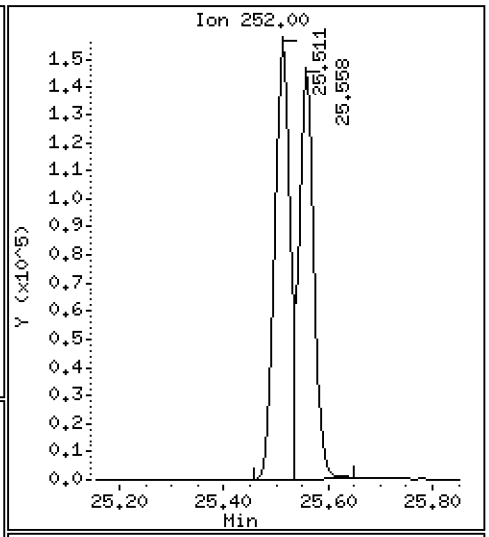
Concentration: 5.066 ug/mL

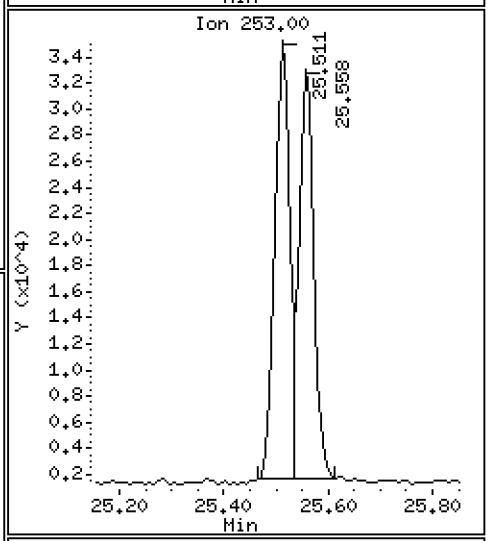


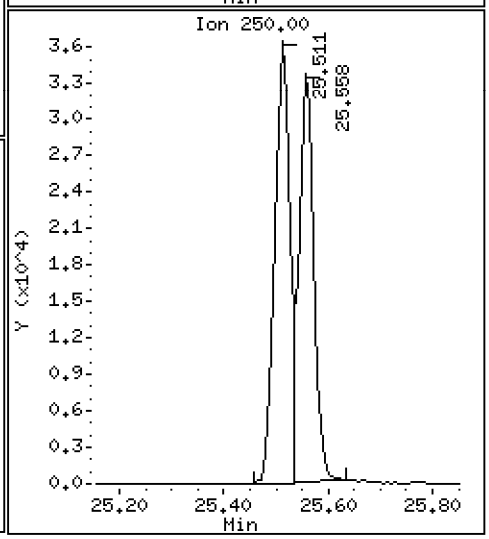












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

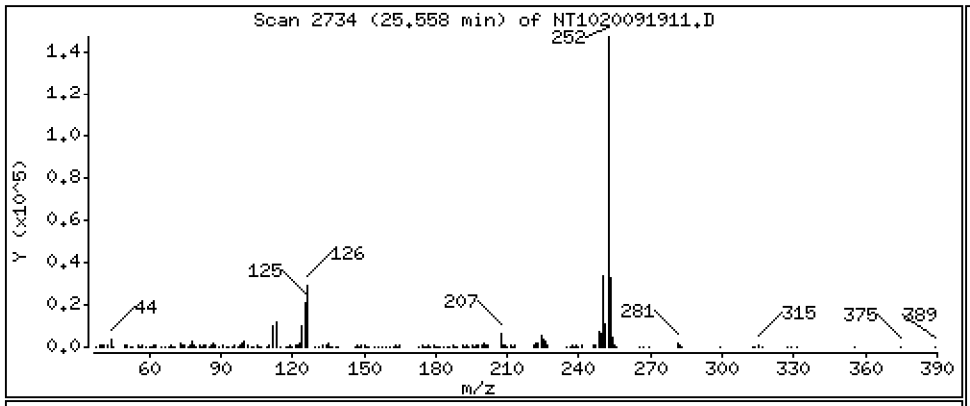
Operator: VTS

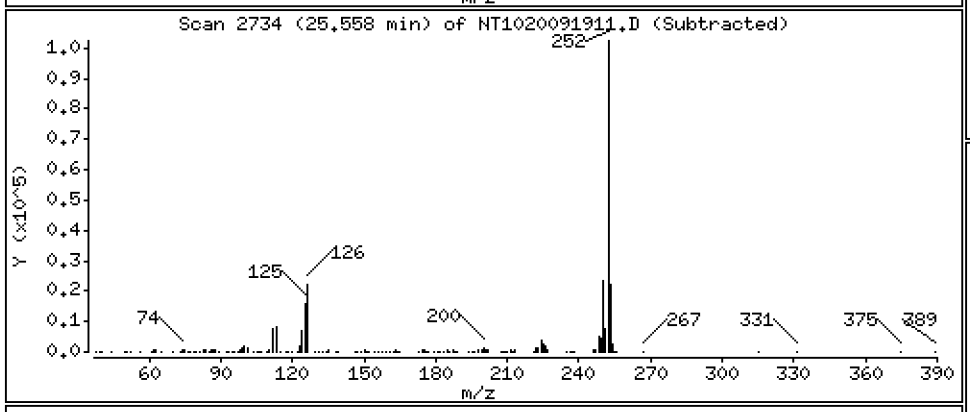
Column phase: ZB-5msi

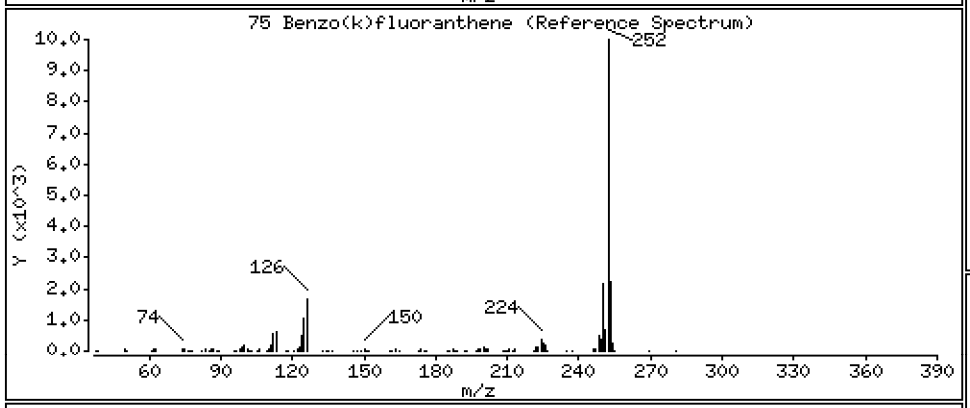
Column diameter: 0.25

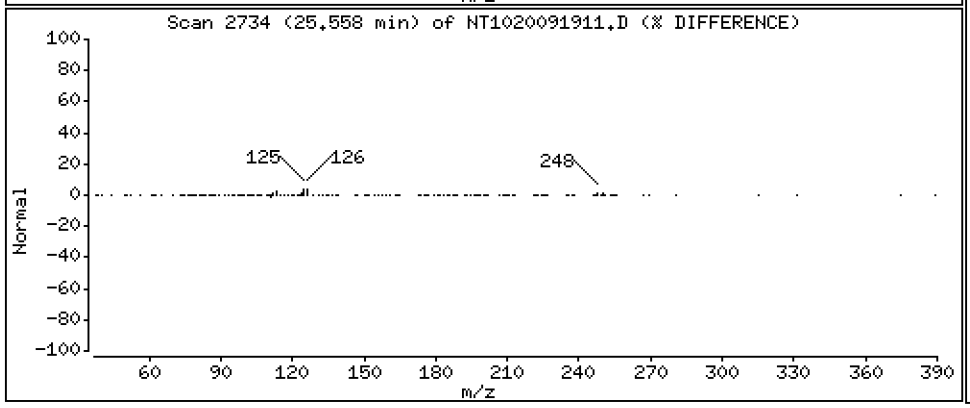
75 Benzo(k)fluoranthene

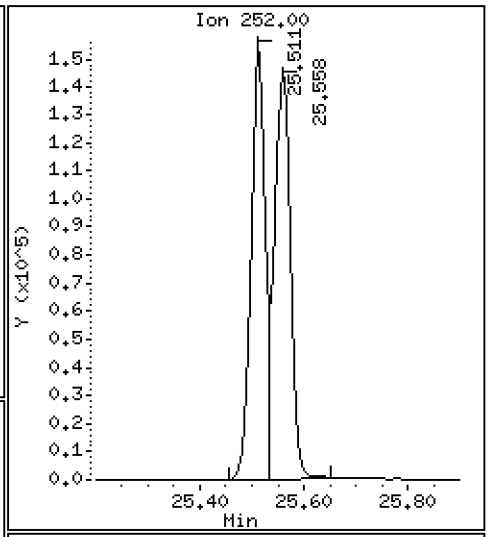
Concentration: 5.078 ug/mL

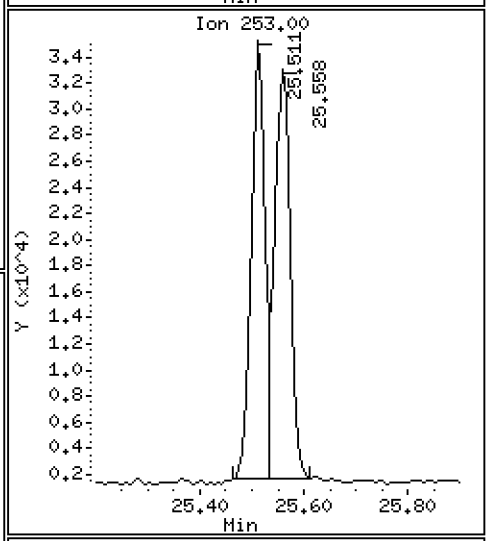


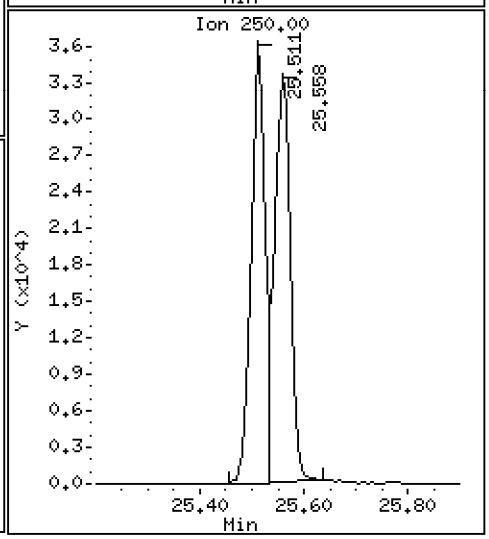












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

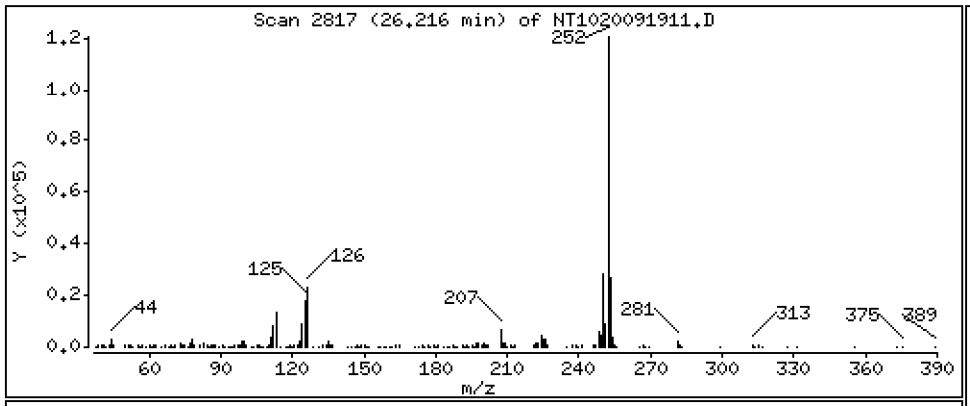
Operator: VTS

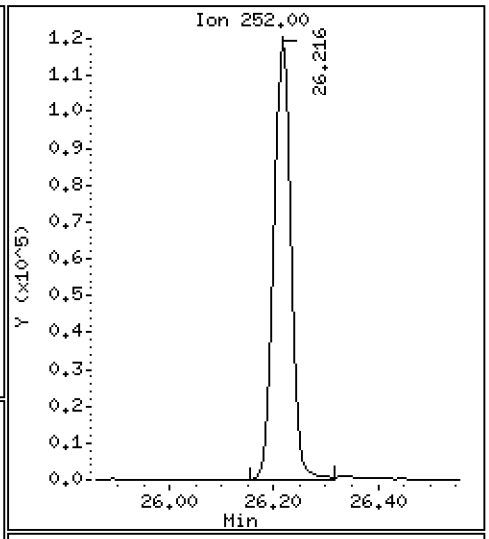
Column phase: ZB-5msi

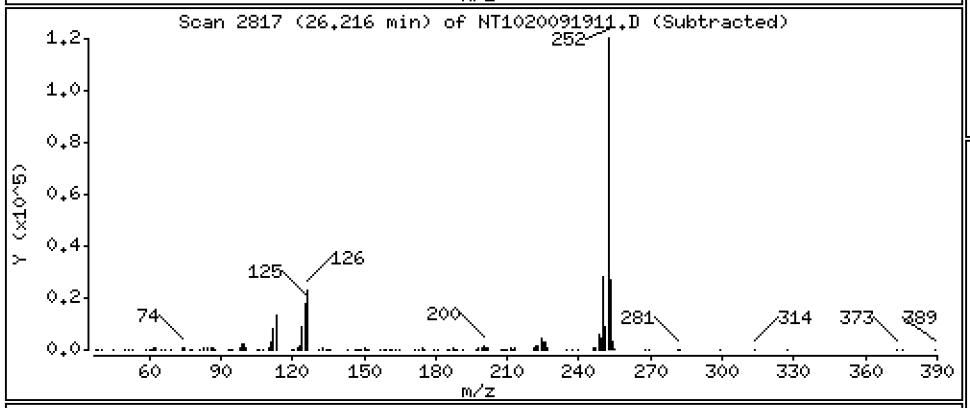
Column diameter: 0.25

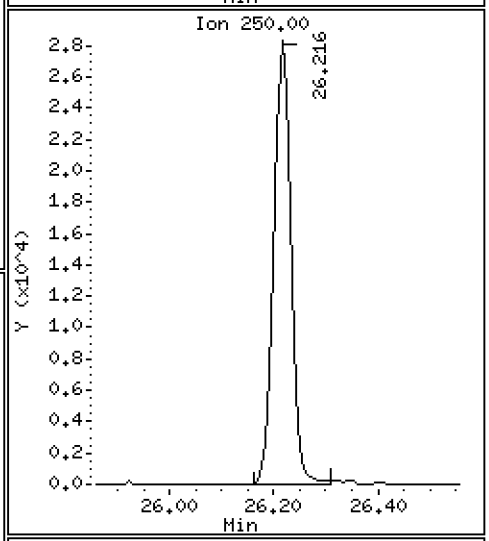
76 Benzo(a)pyrene

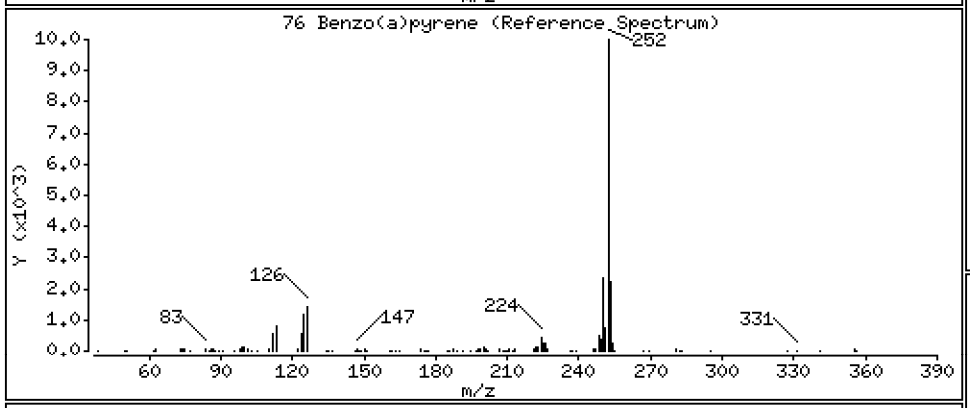
Concentration: 5.247 ug/mL

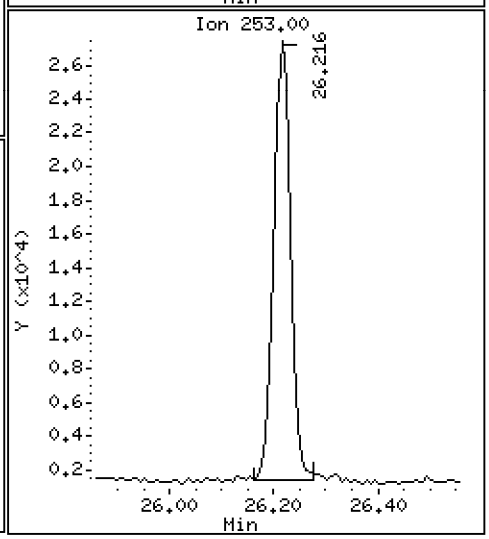


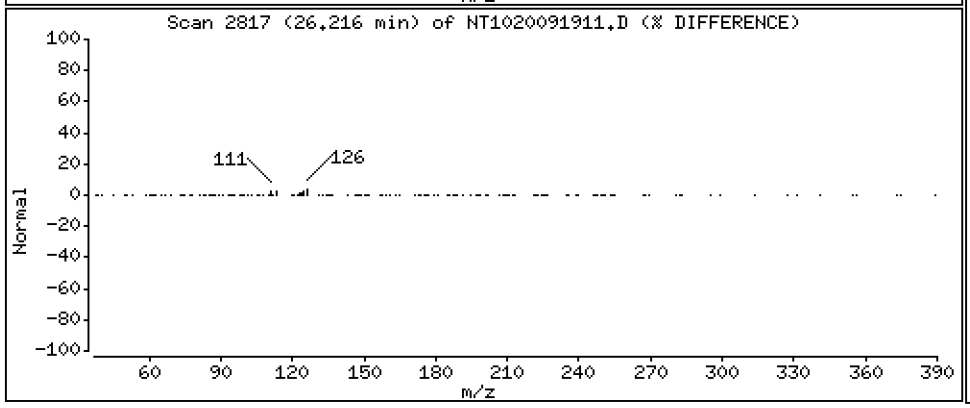












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

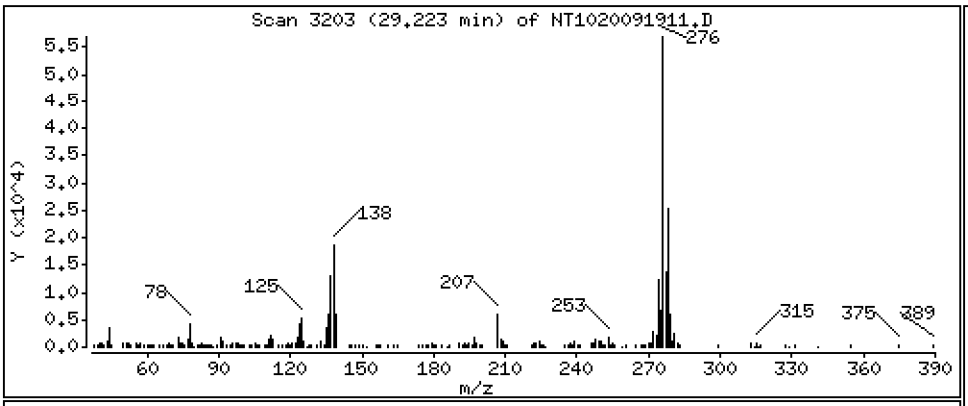
Operator: VTS

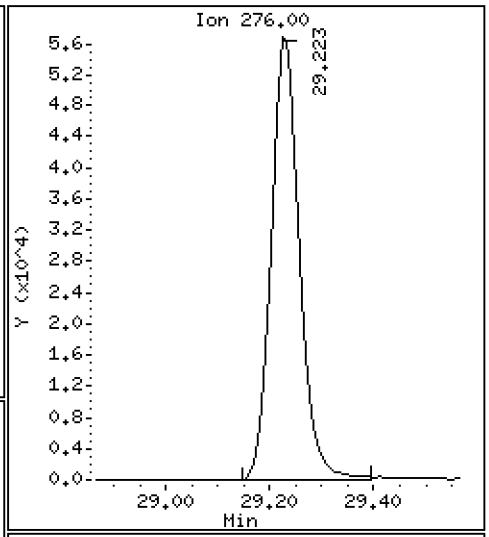
Column phase: ZB-5msi

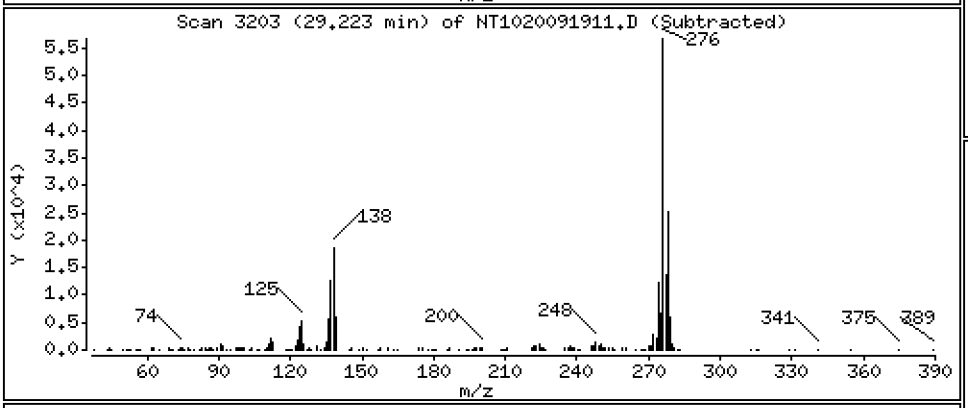
Column diameter: 0.25

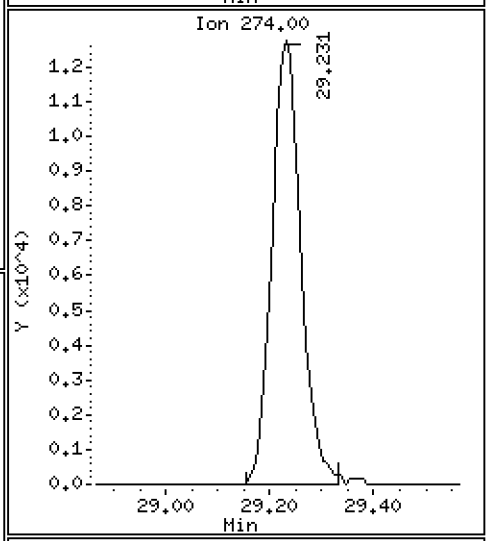
78 Indeno(1,2,3-cd)pyrene

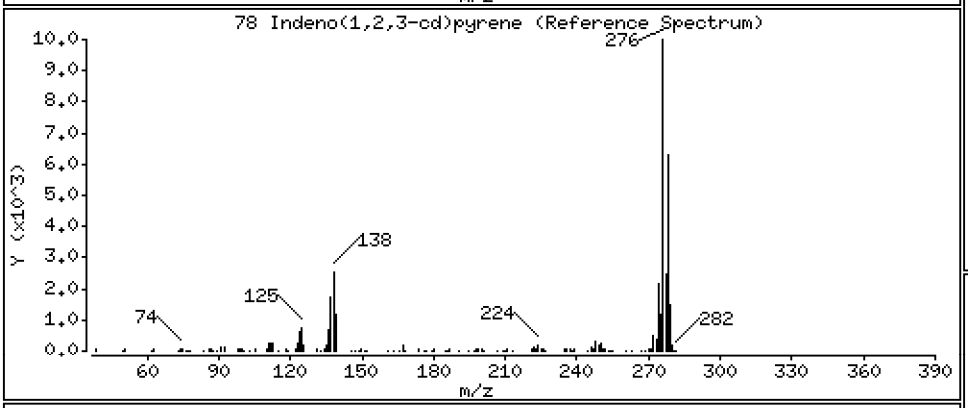
Concentration: 5.052 ug/mL

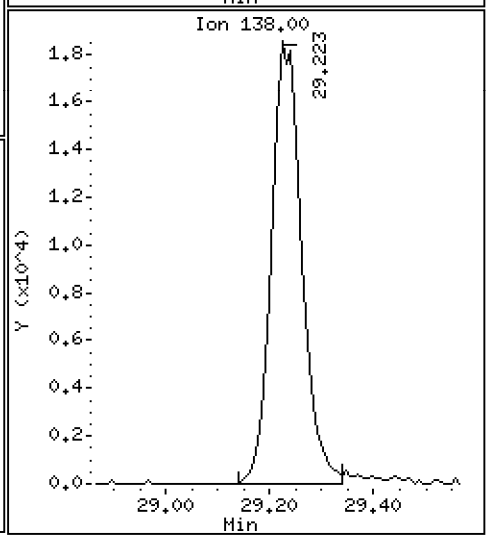


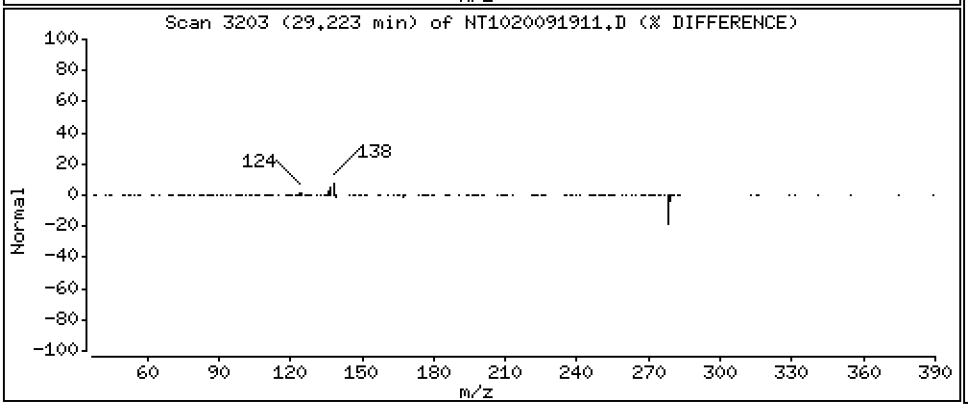












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

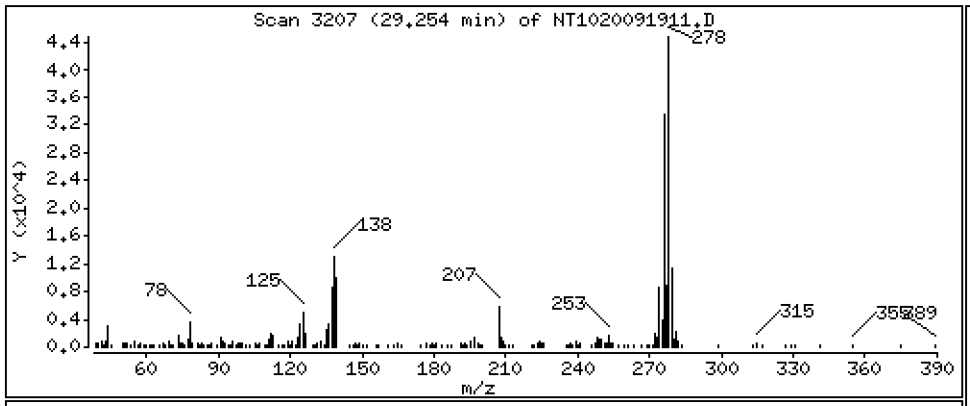
Operator: VTS

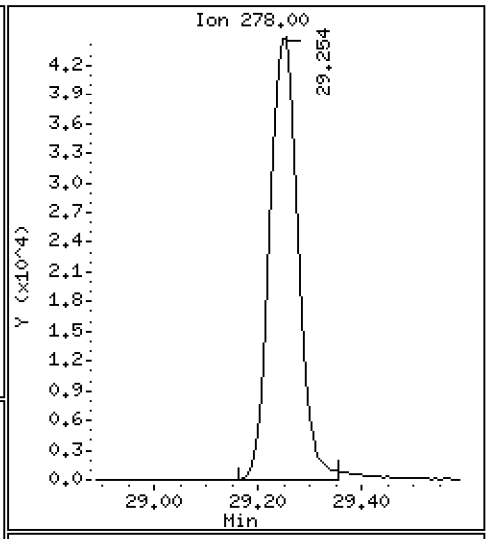
Column phase: ZB-5msi

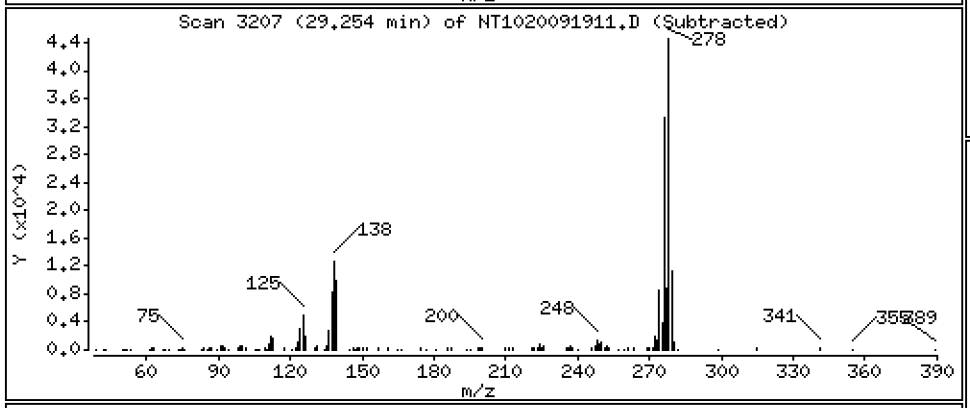
Column diameter: 0.25

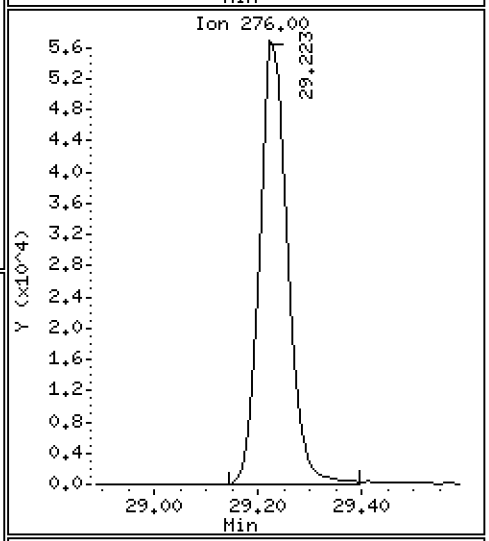
79 Dibenzo(a,h)anthracene

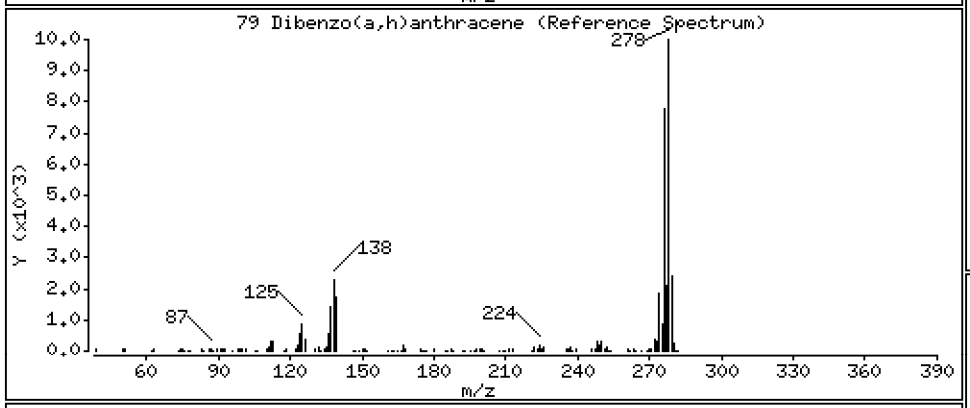
Concentration: 4.995 ug/mL

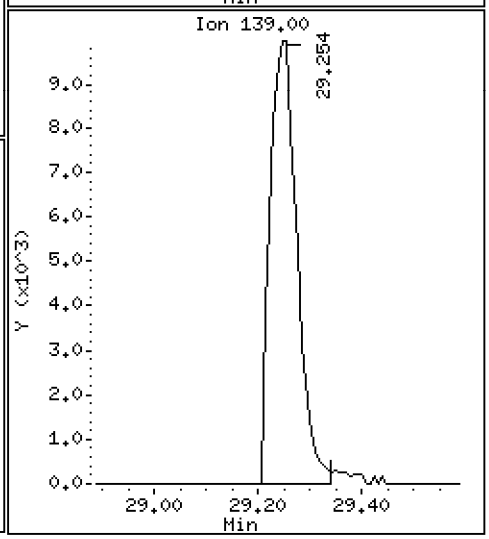


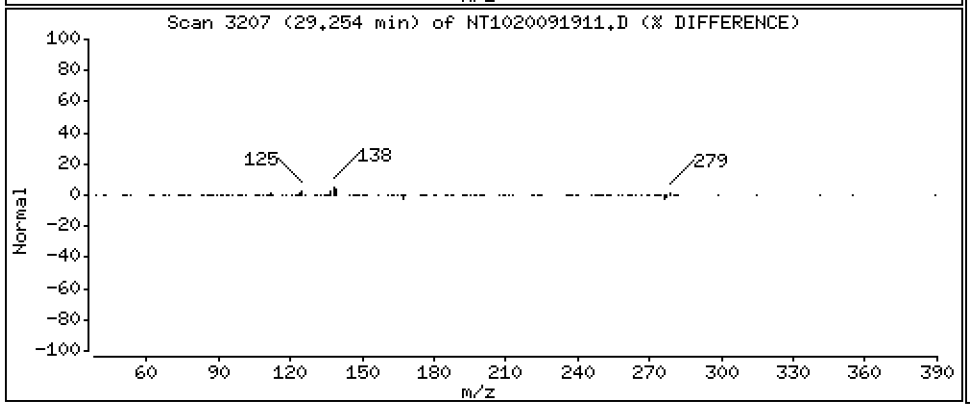












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

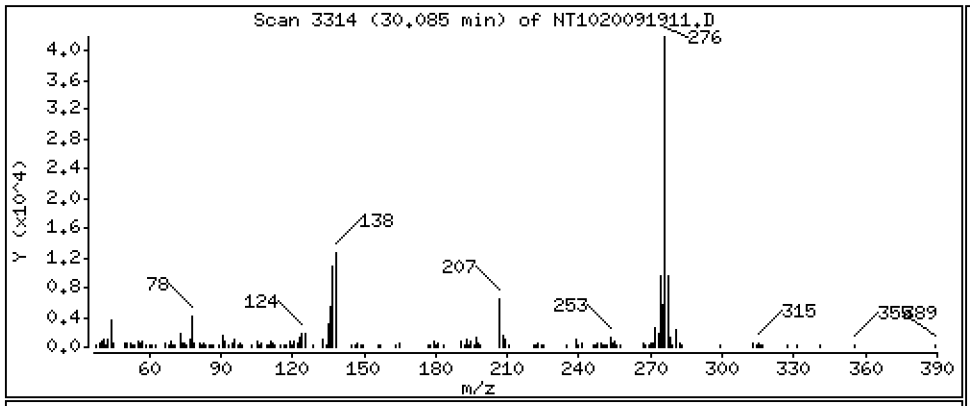
Operator: VTS

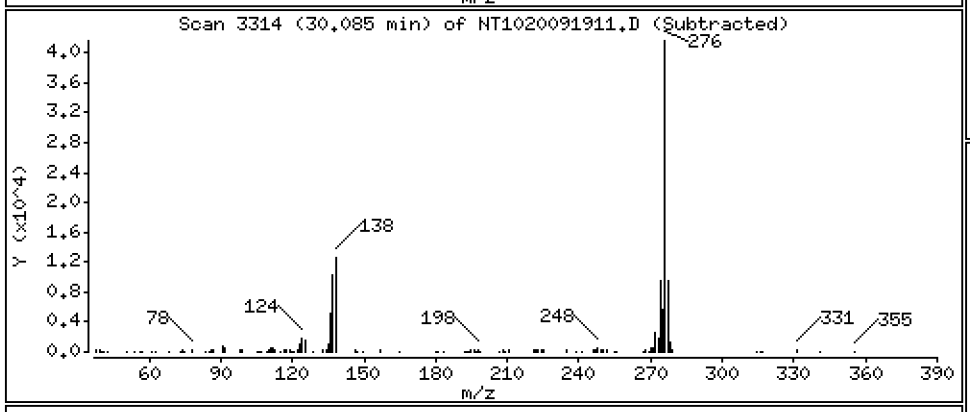
Column phase: ZB-5msi

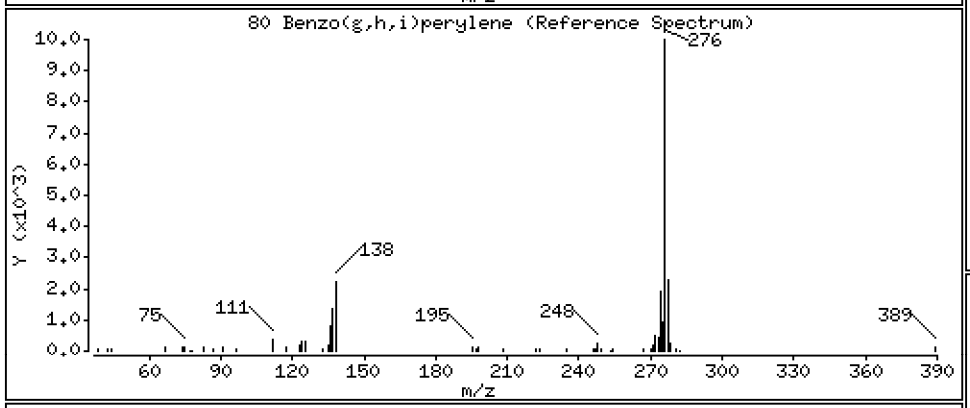
Column diameter: 0.25

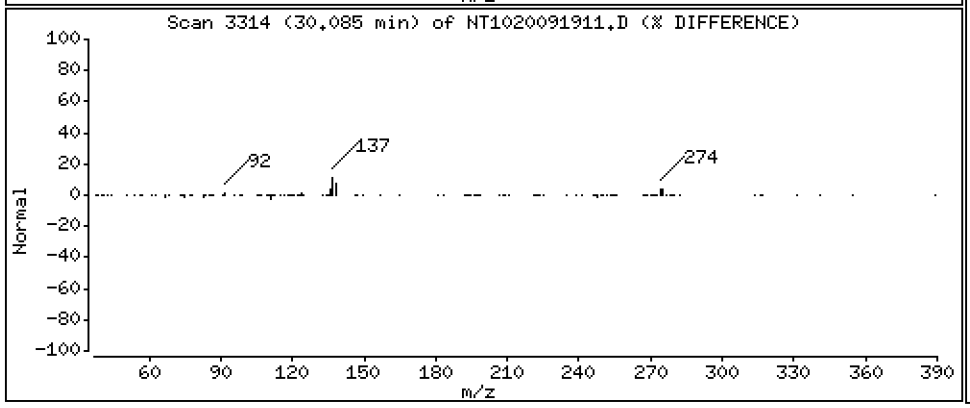
80 Benzo(g,h,i)perylene

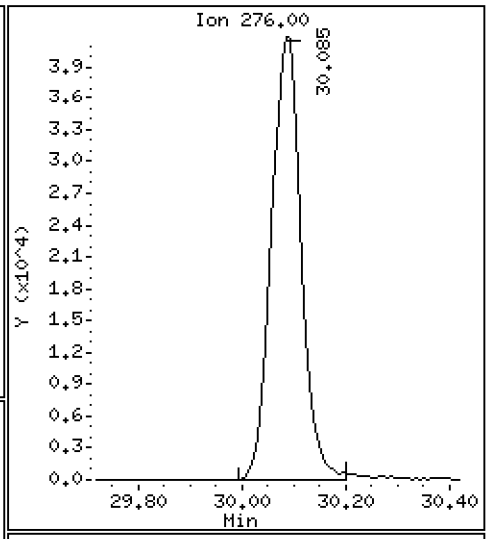
Concentration: 4.848 ug/mL

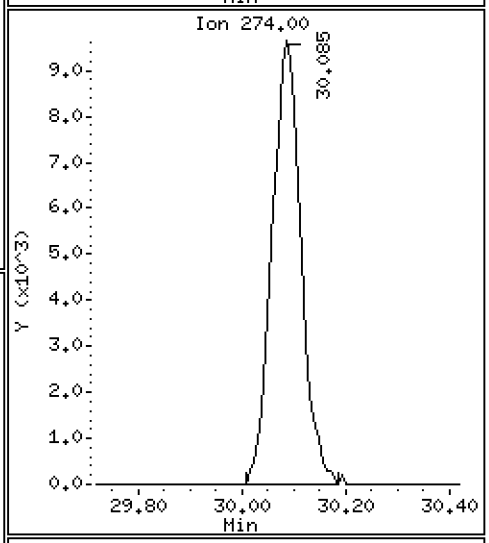


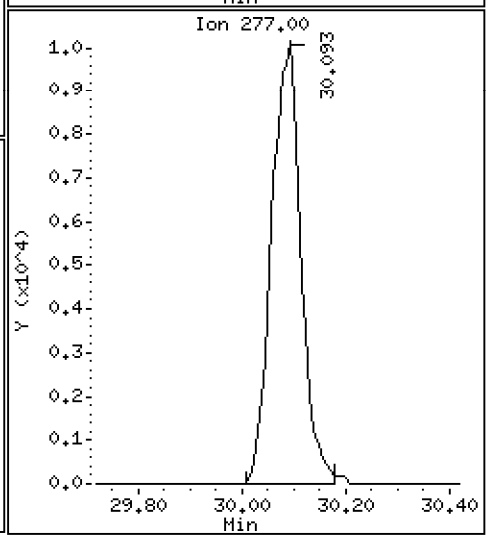












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

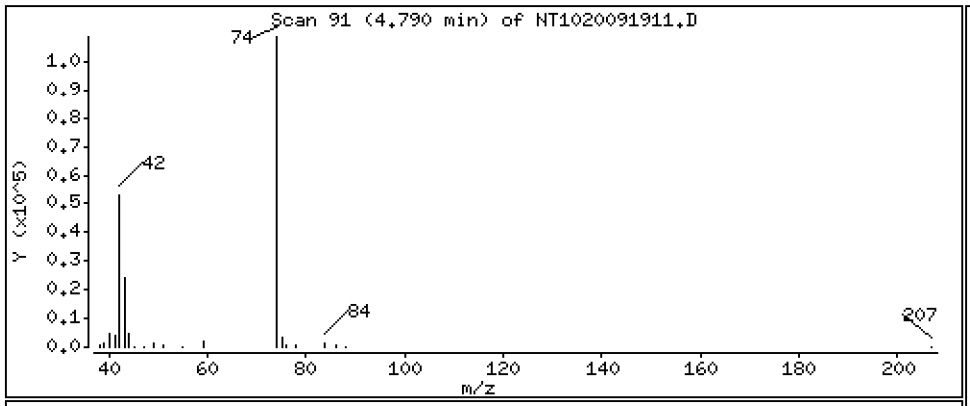
Operator: VTS

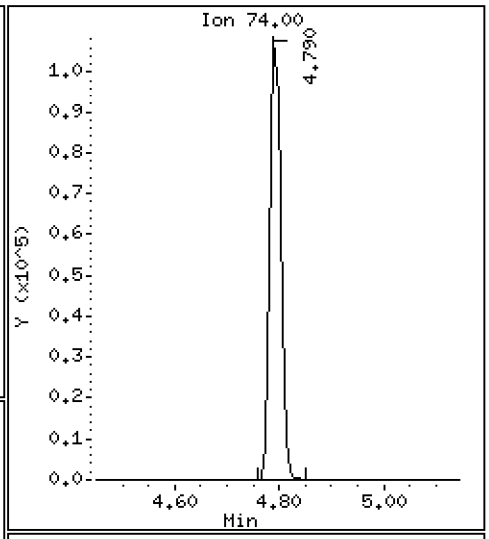
Column phase: ZB-5msi

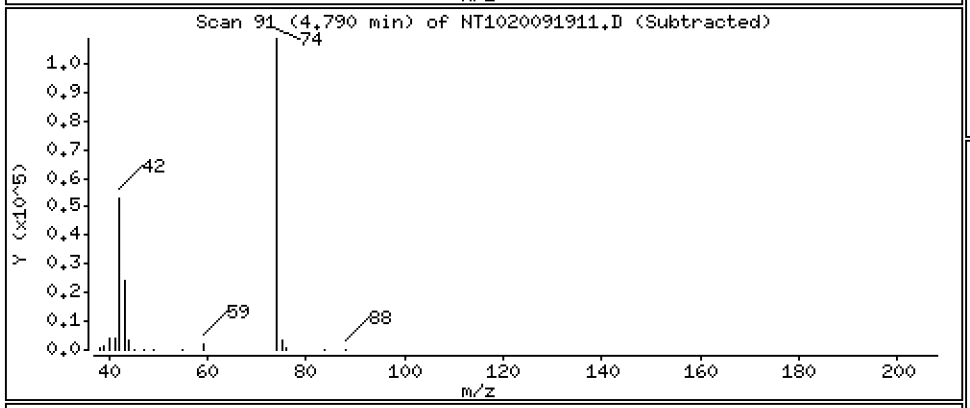
Column diameter: 0.25

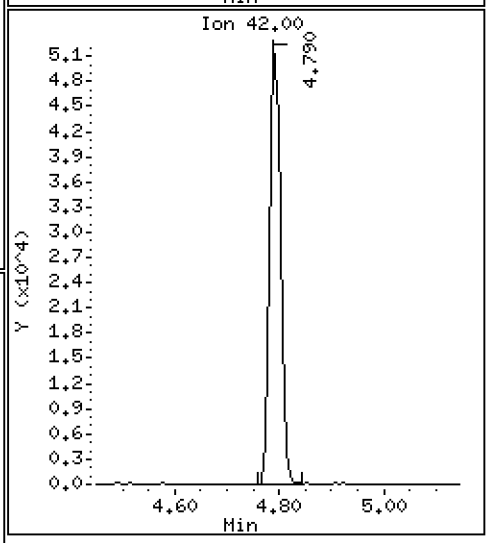
90 N-Nitrosodimethylamine

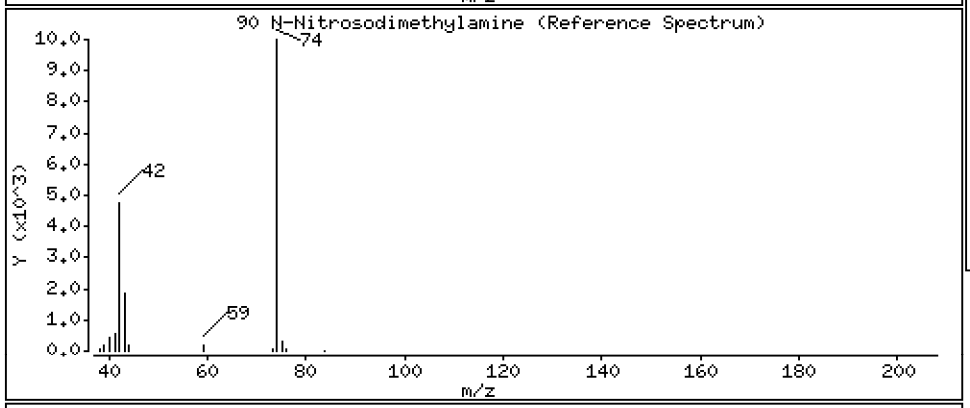
Concentration: 5.857 ug/mL

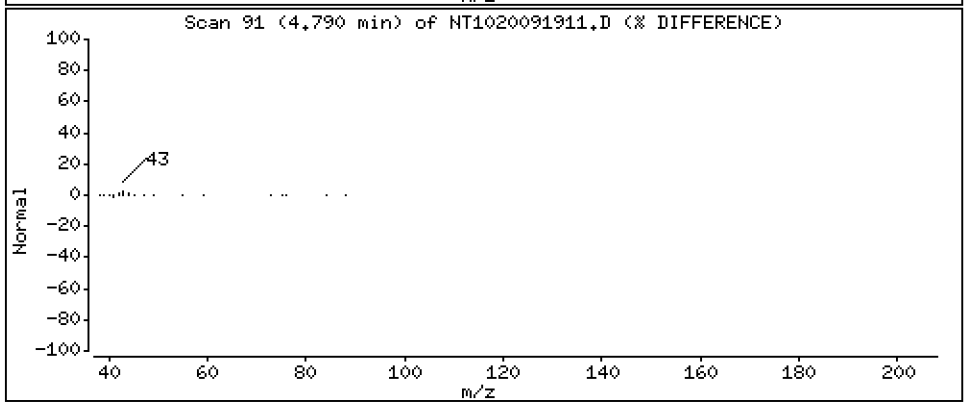












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

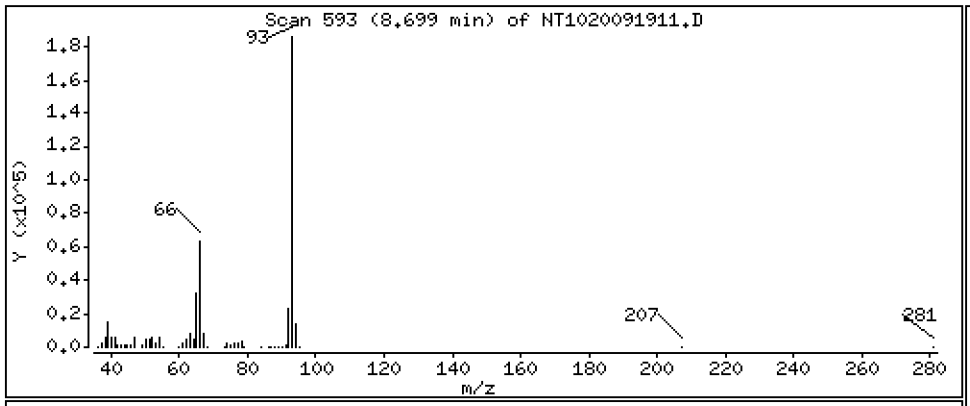
Operator: VTS

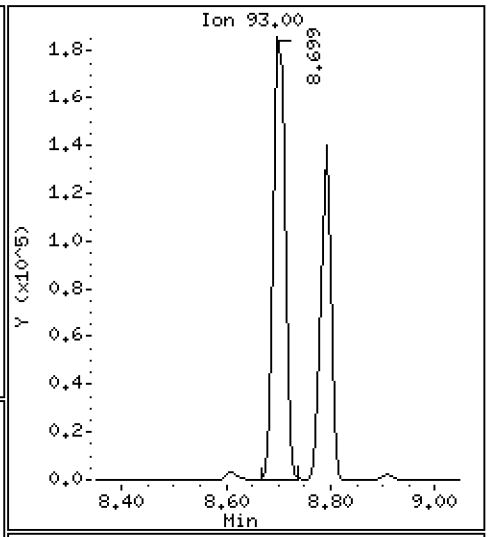
Column phase: ZB-5msi

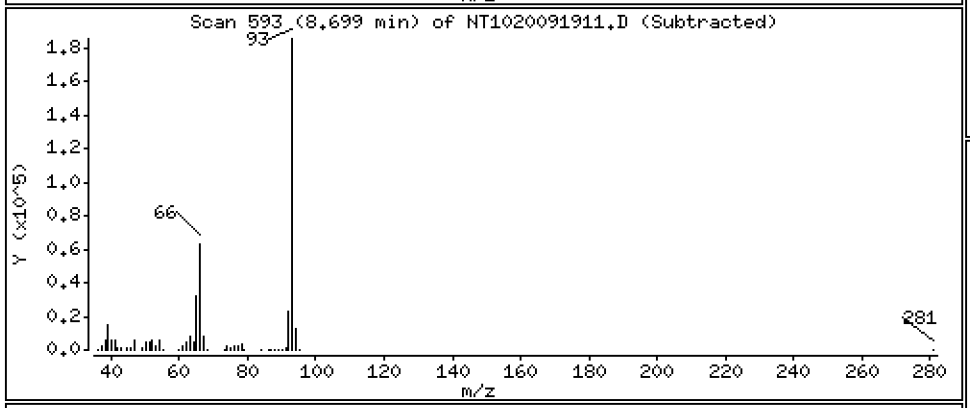
Column diameter: 0.25

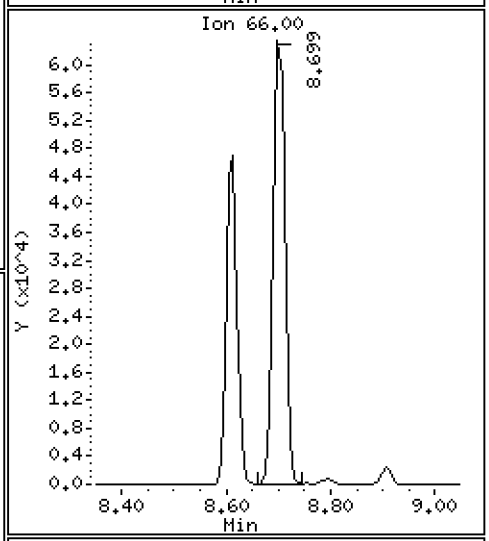
91 Aniline

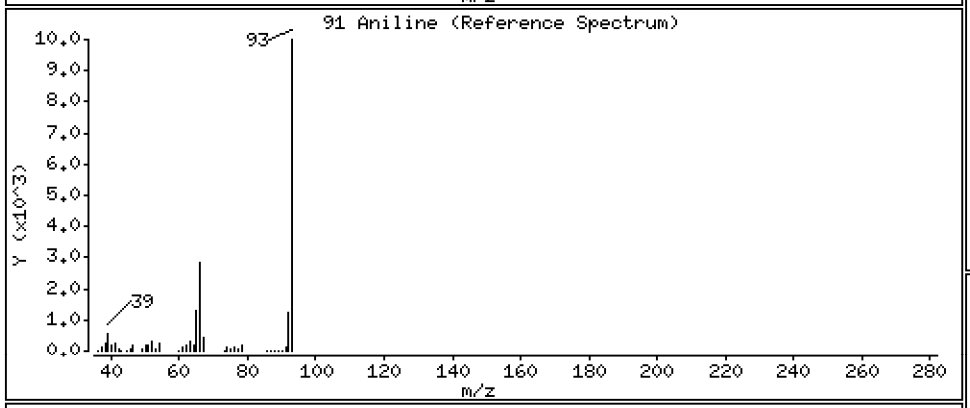
Concentration: 8.041 ug/mL

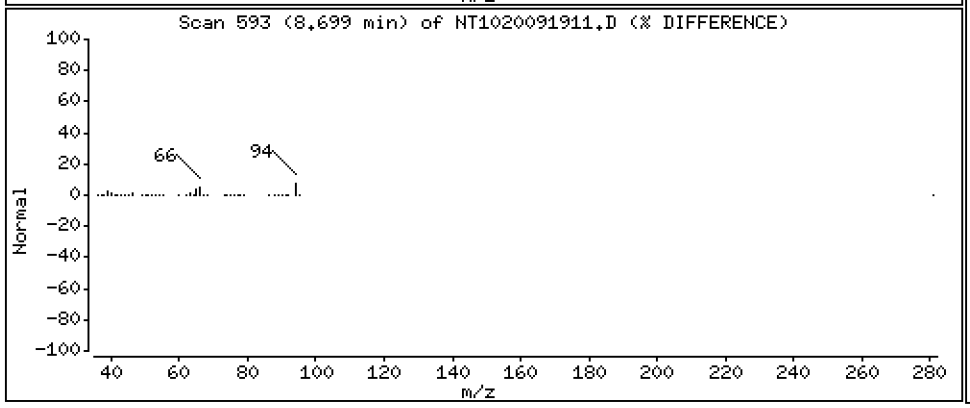


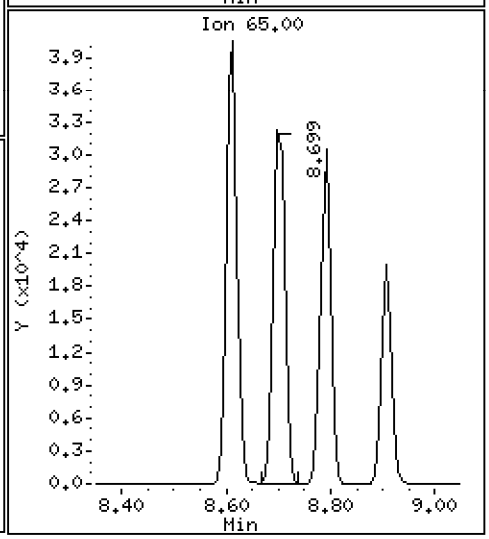












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

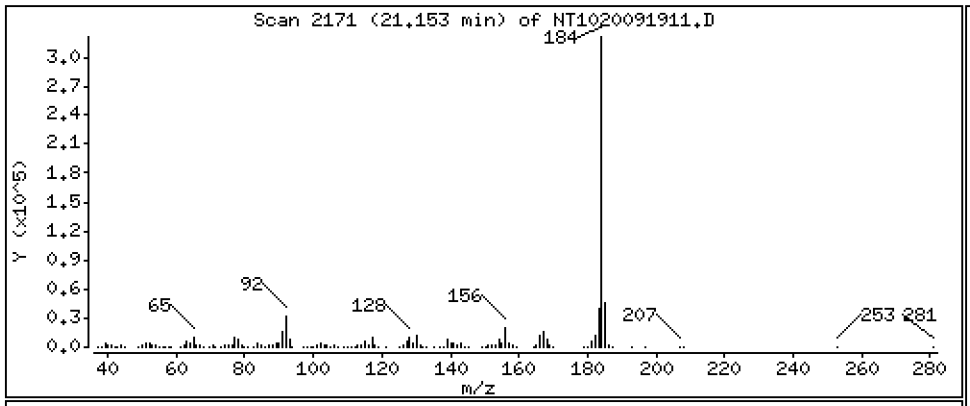
Operator: VTS

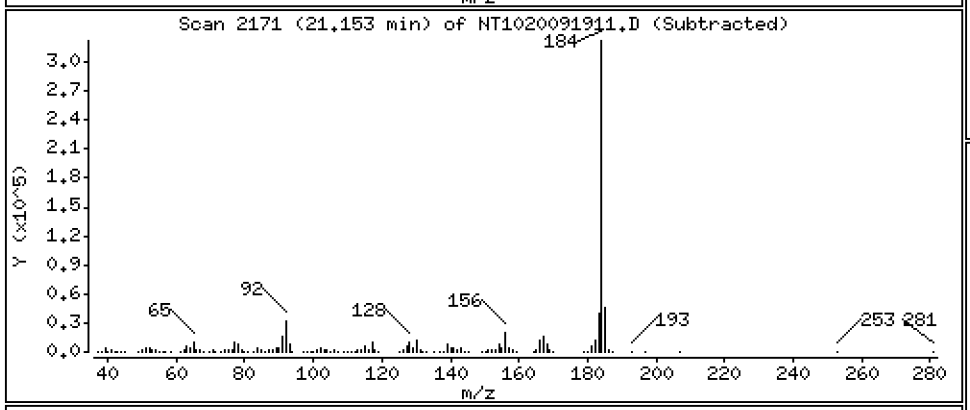
Column phase: ZB-5msi

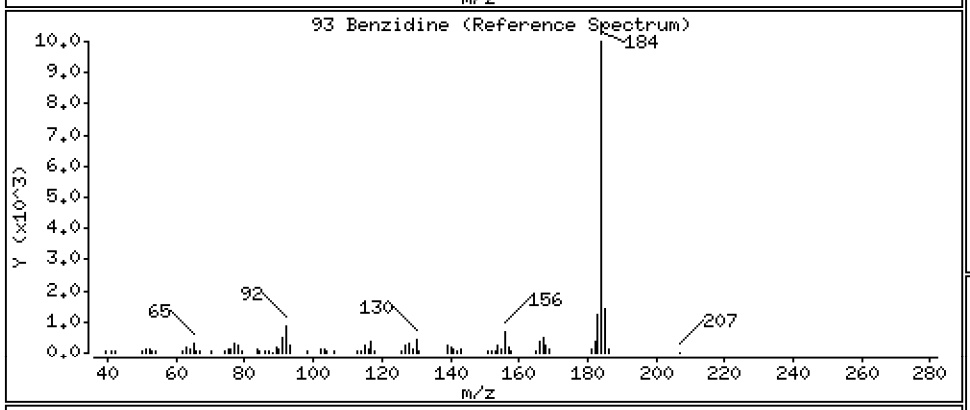
Column diameter: 0.25

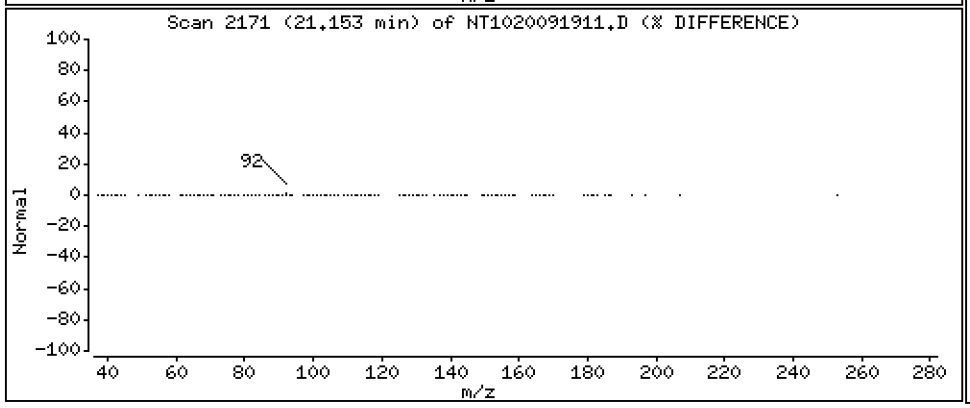
93 Benzidine

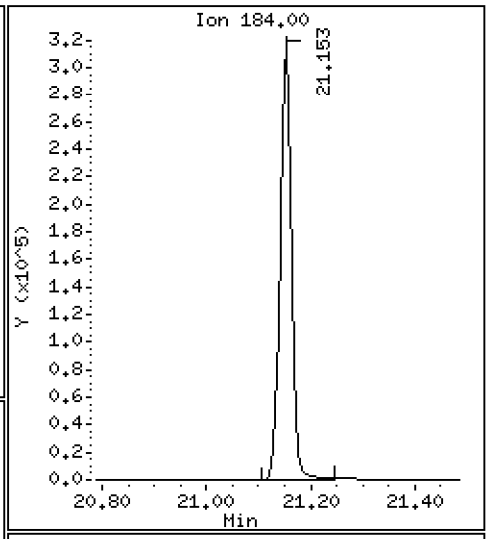
Concentration: 10.25 ug/mL

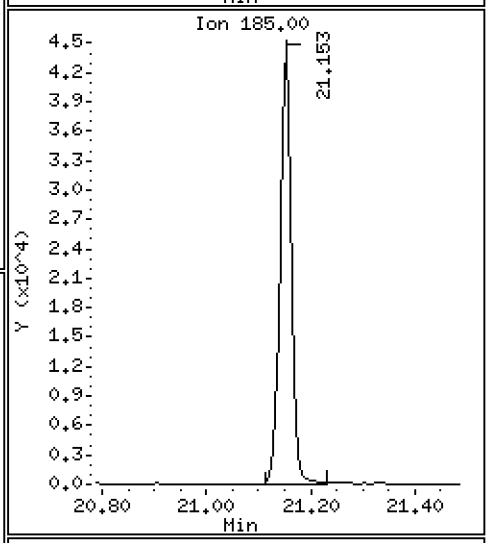


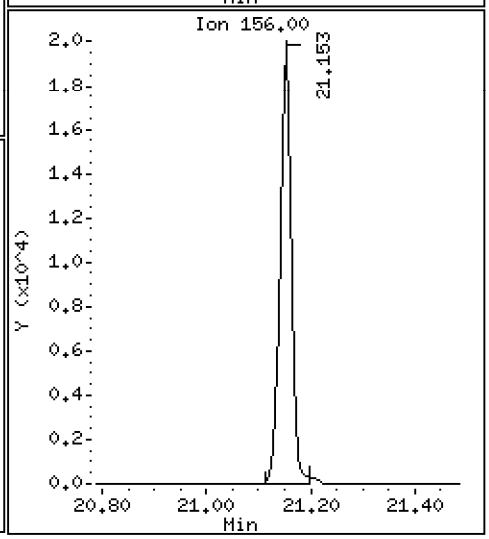












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

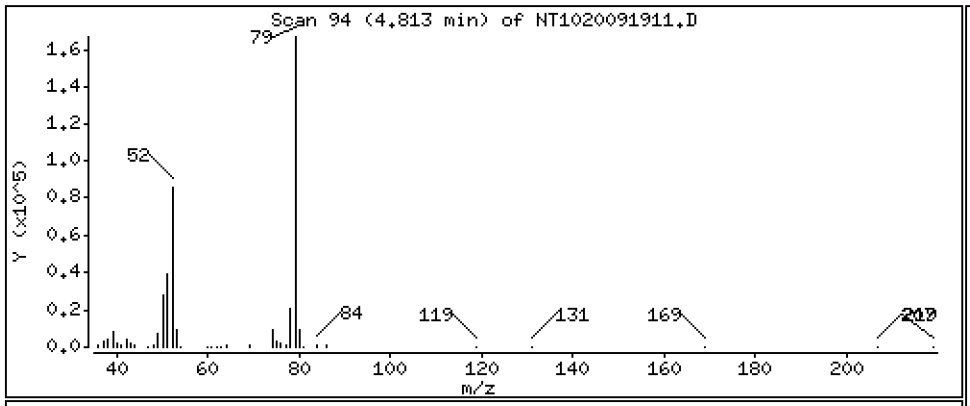
Operator: VTS

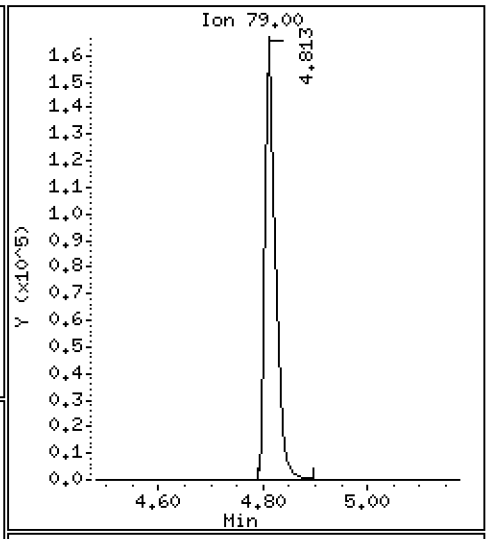
Column phase: ZB-5msi

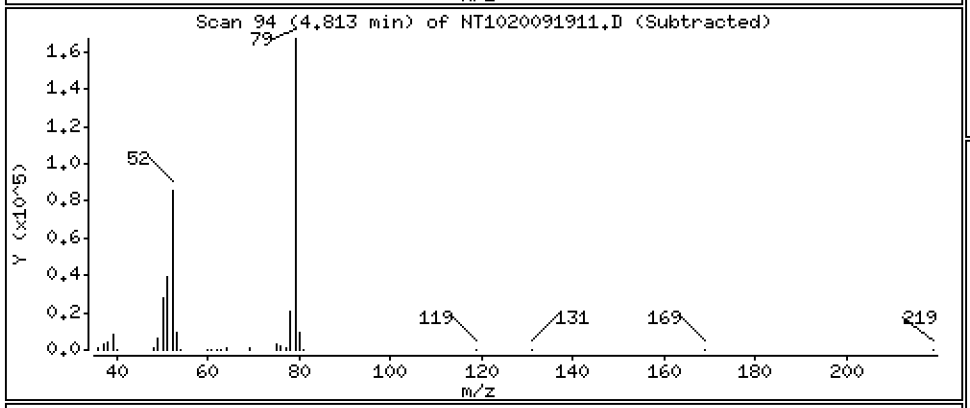
Column diameter: 0.25

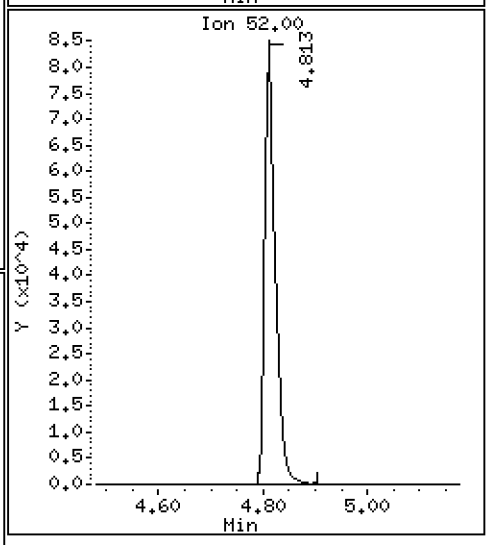
103 Pyridine

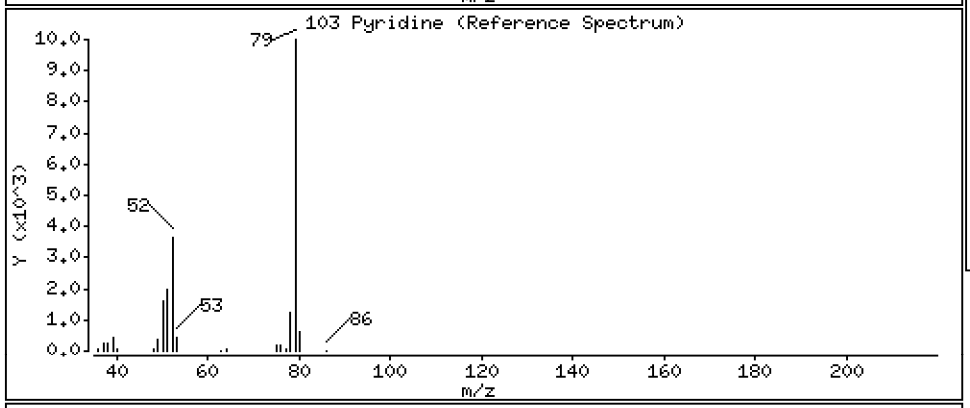
Concentration: 6.085 ug/mL

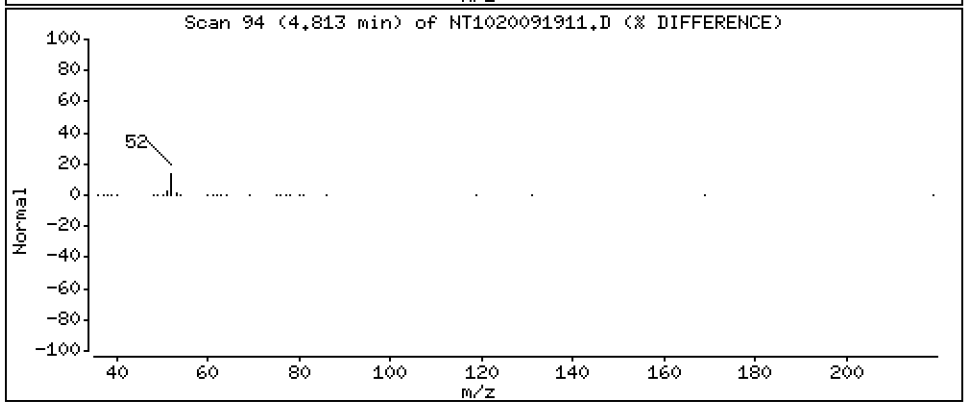












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

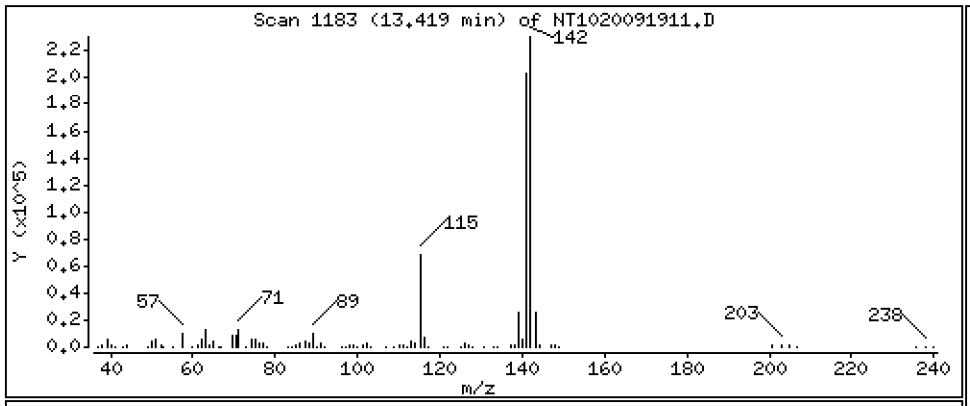
Operator: VTS

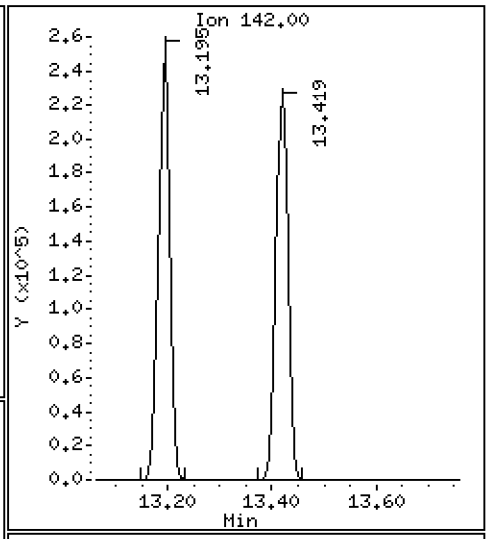
Column phase: ZB-5msi

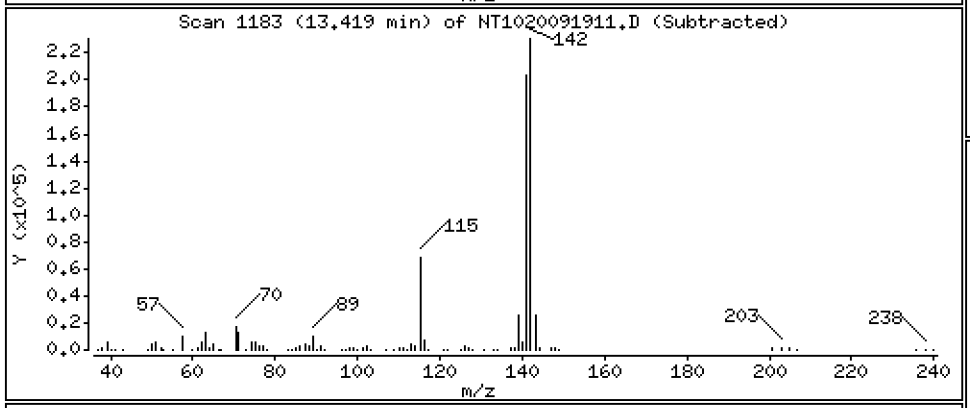
Column diameter: 0.25

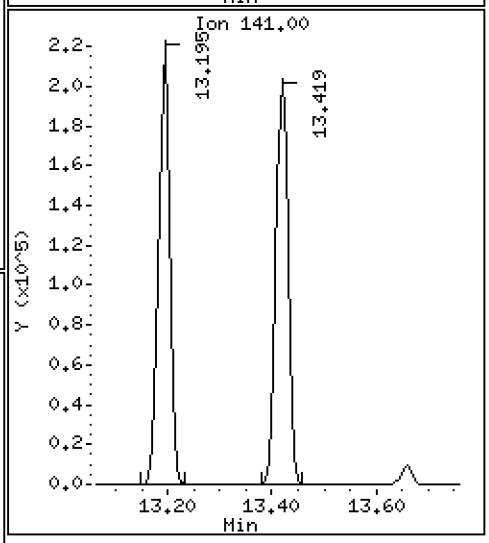
105 1-methylnaphthalene

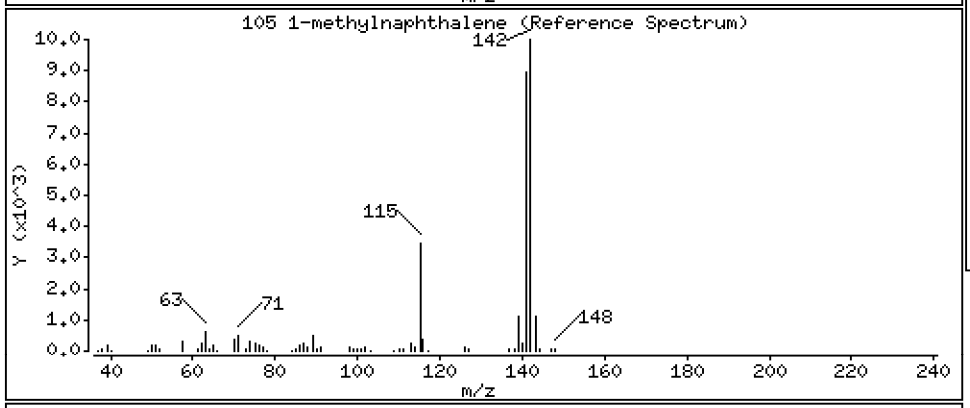
Concentration: 5.011 ug/mL

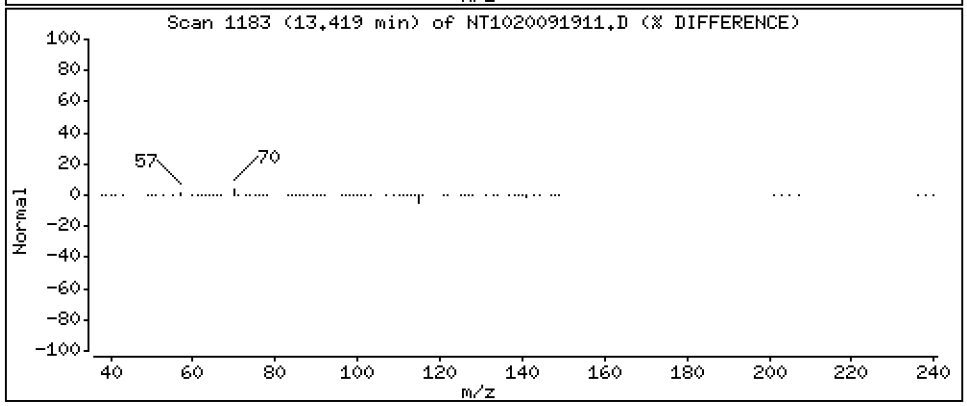












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

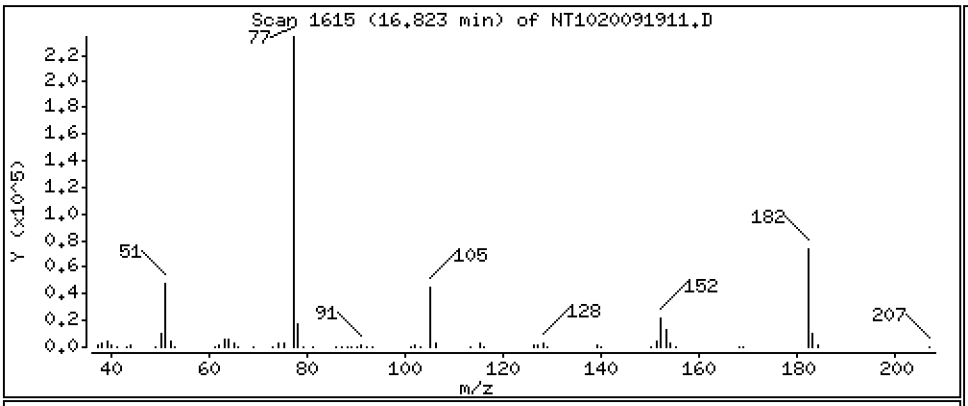
Operator: VTS

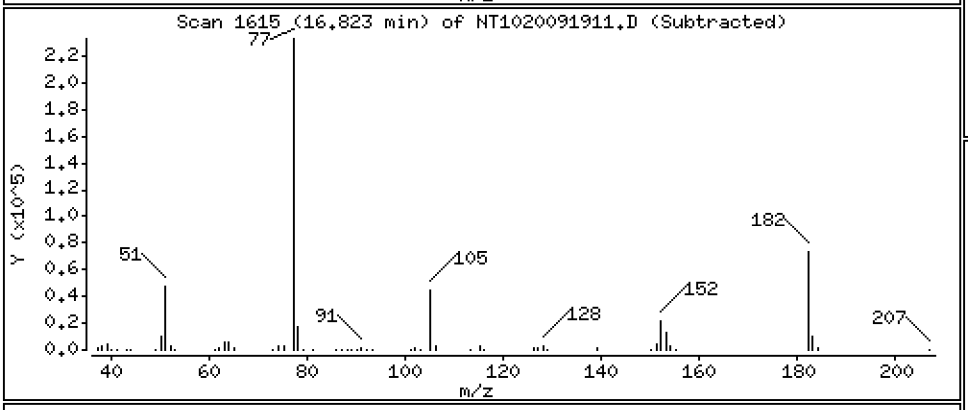
Column phase: ZB-5msi

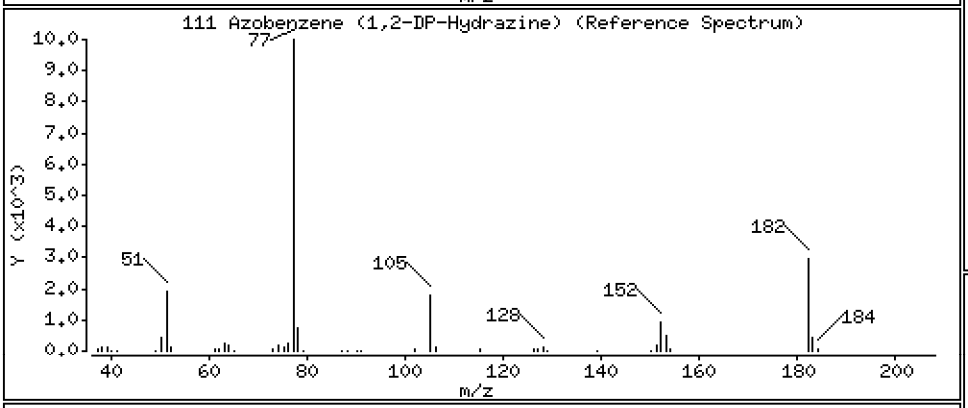
Column diameter: 0.25

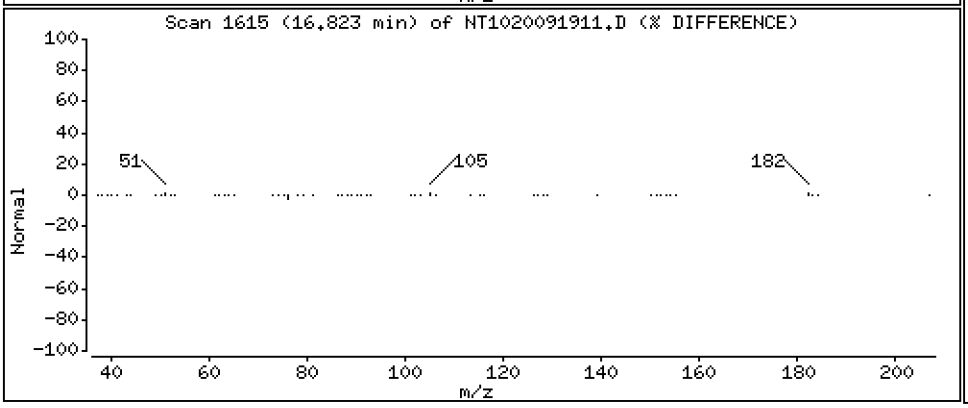
111 Azobenzene (1,2-DP-Hydrazine)

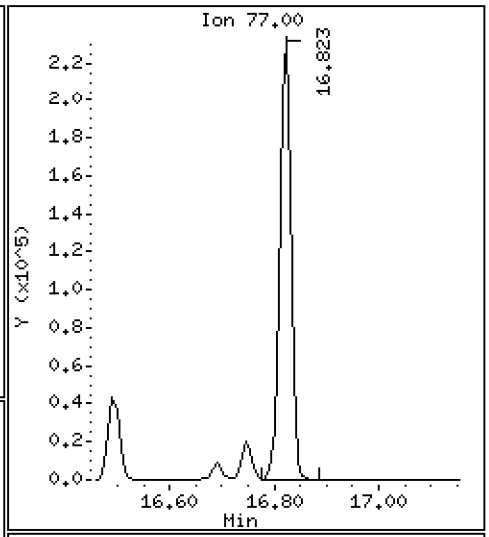
Concentration: 4.563 ug/mL

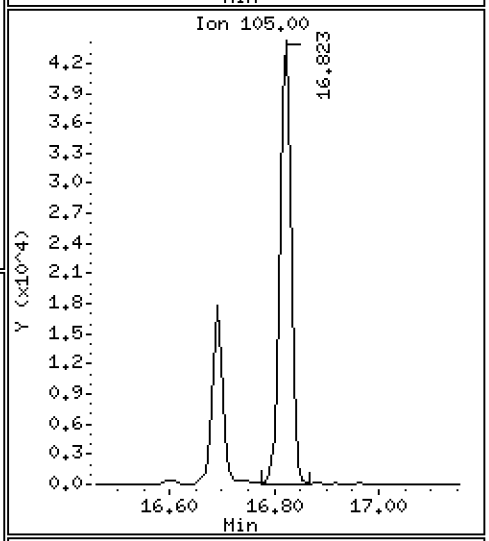


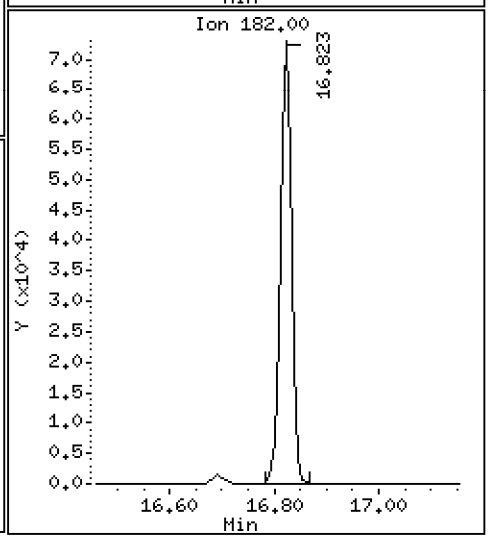












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

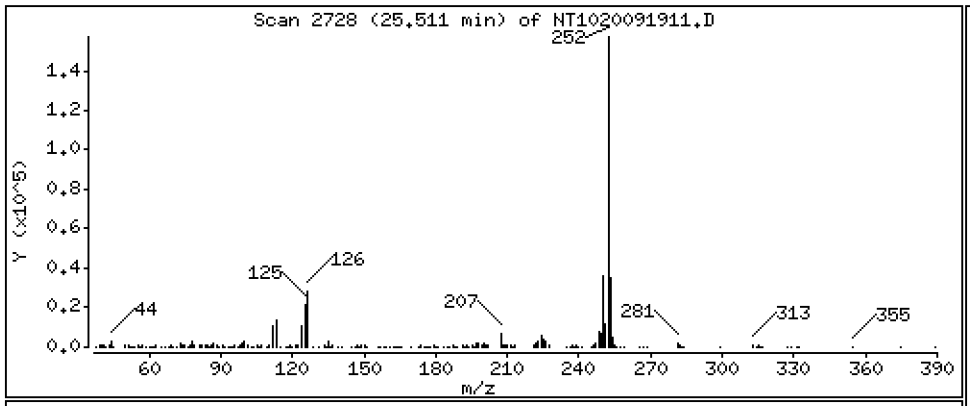
Operator: VTS

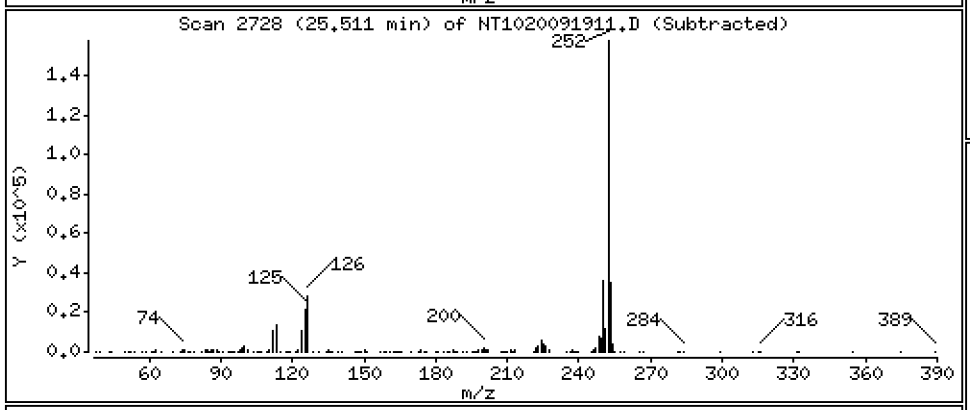
Column phase: ZB-5msi

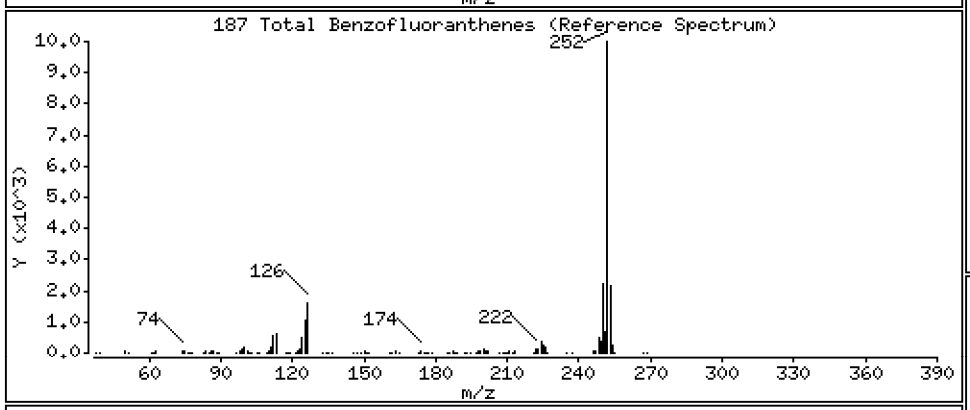
Column diameter: 0.25

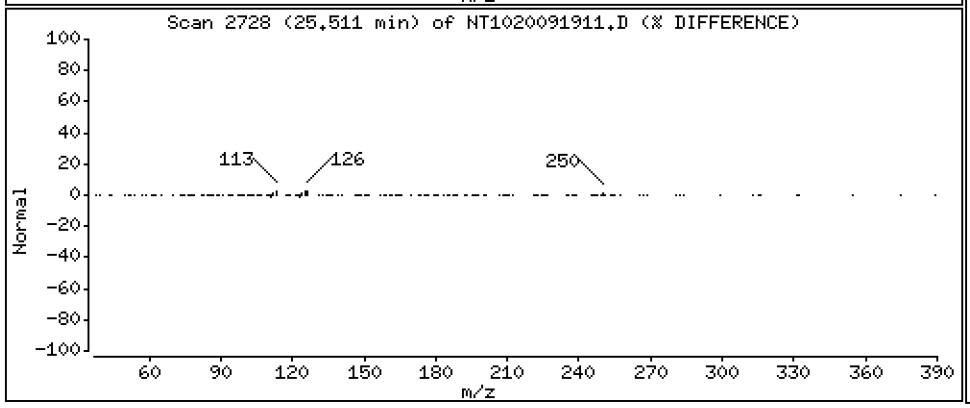
187 Total Benzofluoranthenes

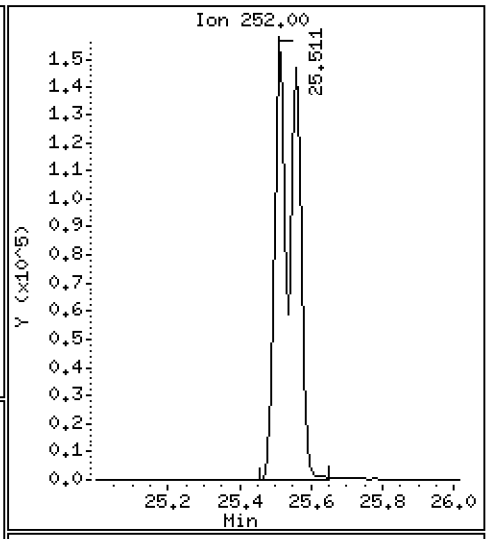
Concentration: 10.08 ug/mL

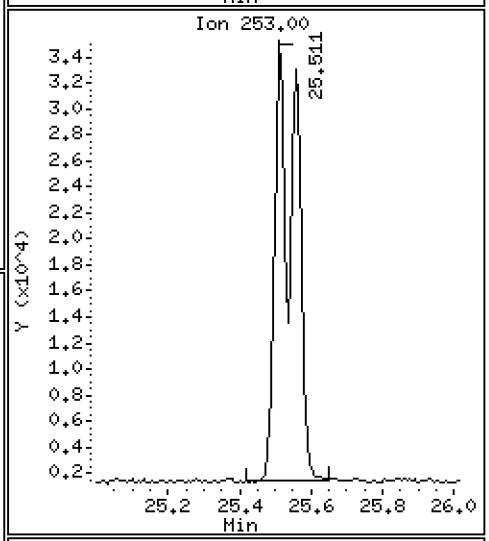


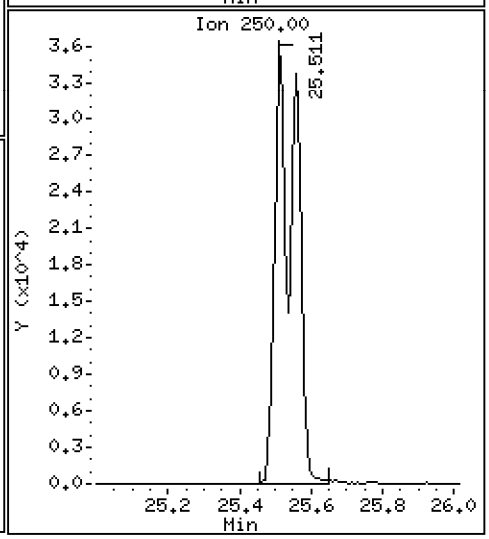












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

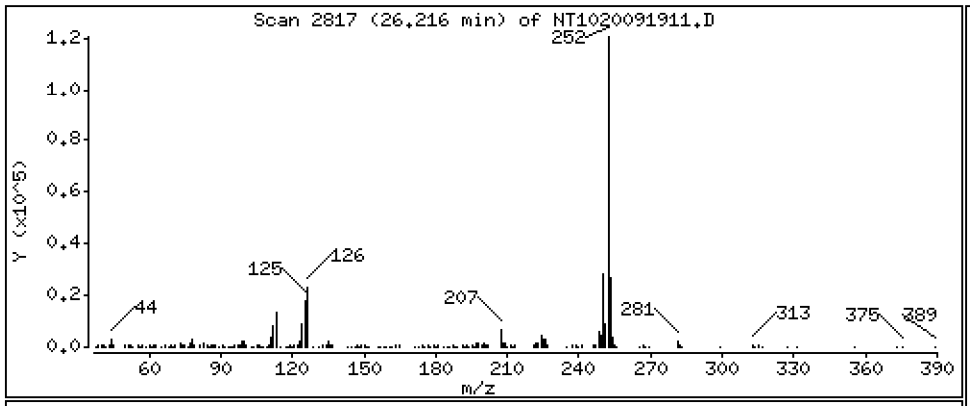
Operator: VTS

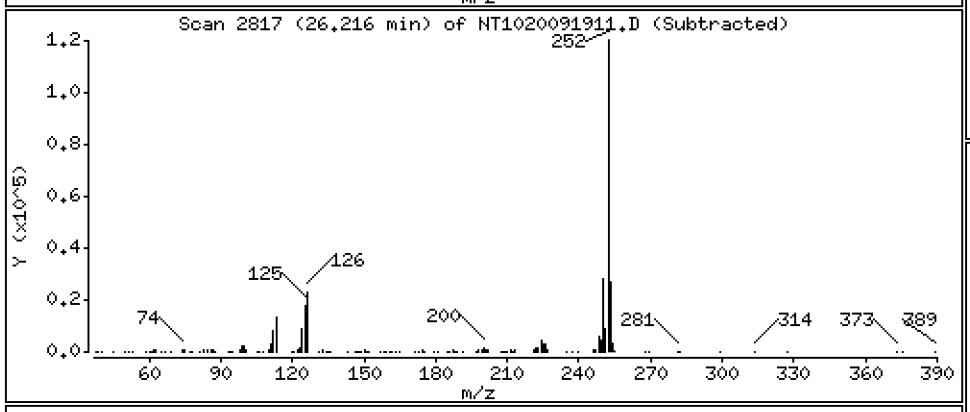
Column phase: ZB-5msi

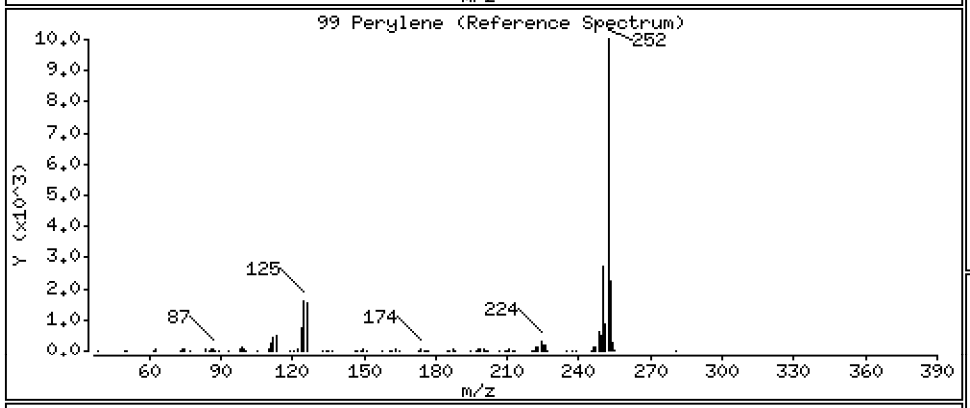
Column diameter: 0.25

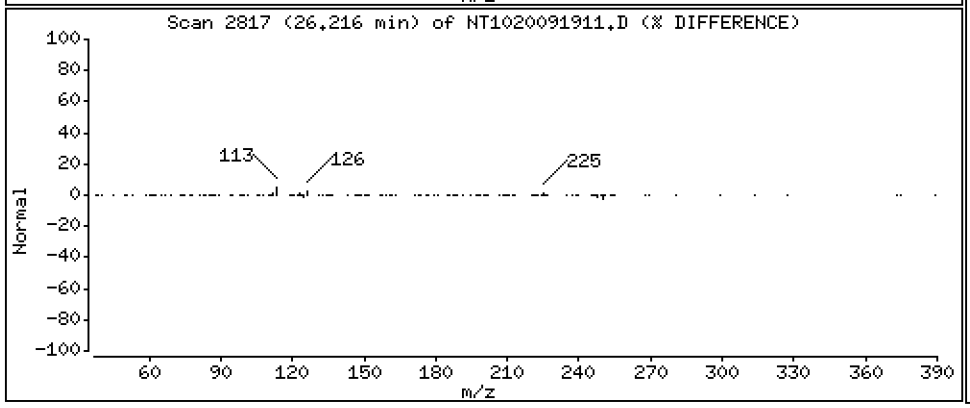
99 Perylene

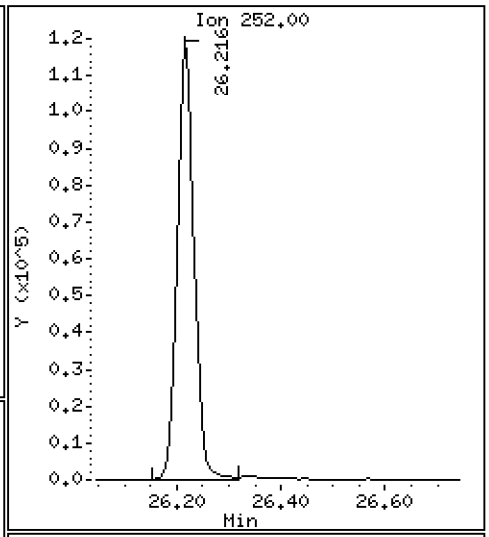
Concentration: 5.952 ug/mL

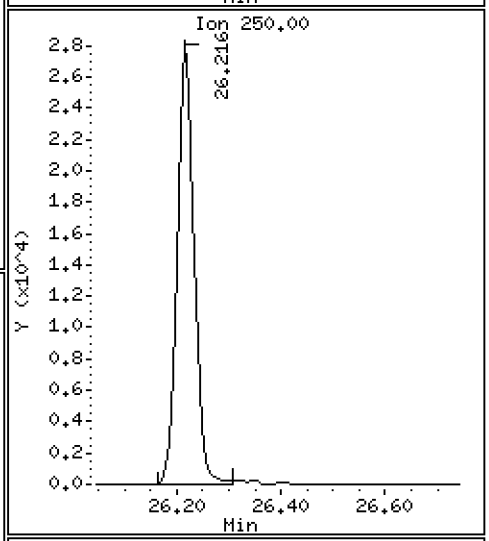


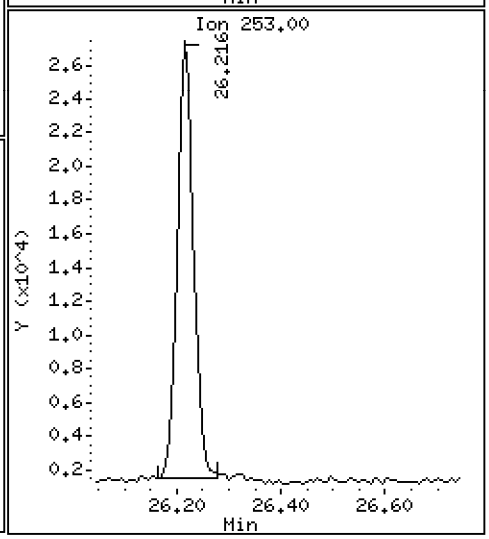












Data File: \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D

Date : 19-SEP-2020 18:28

Client ID:

Instrument: nt10.i

Sample Info: SII0276-SCV1

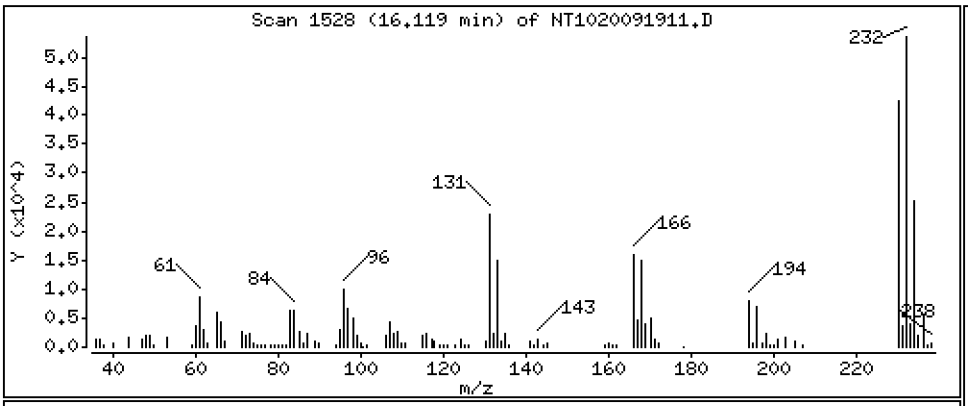
Operator: VTS

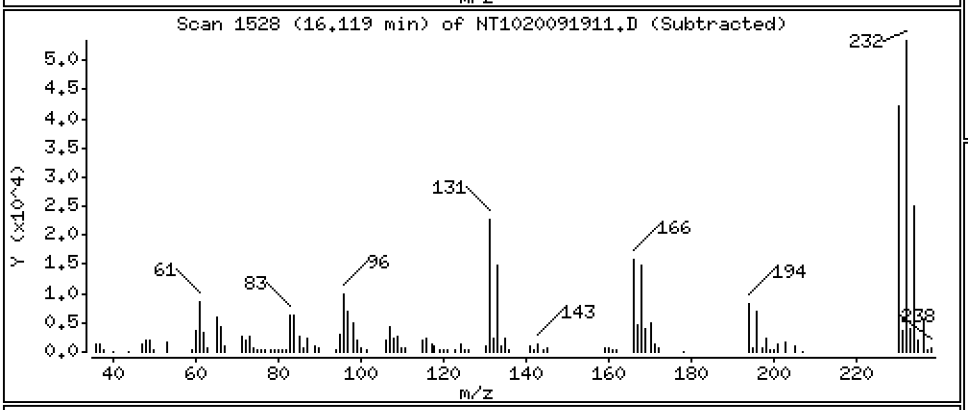
Column phase: ZB-5msi

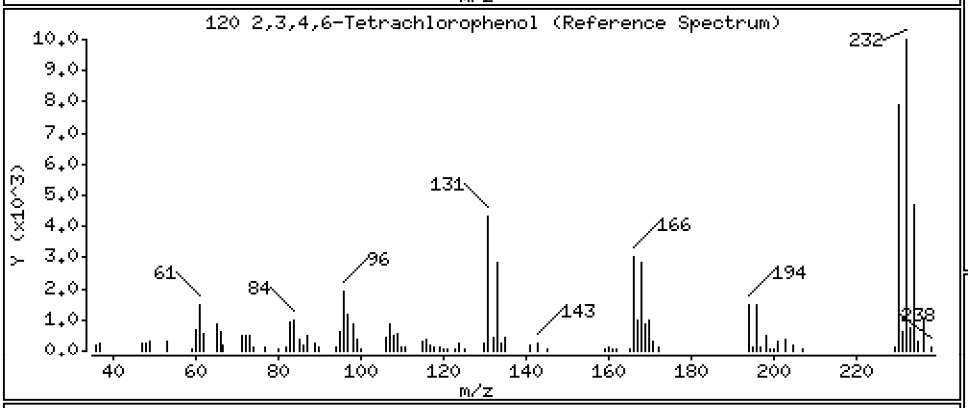
Column diameter: 0.25

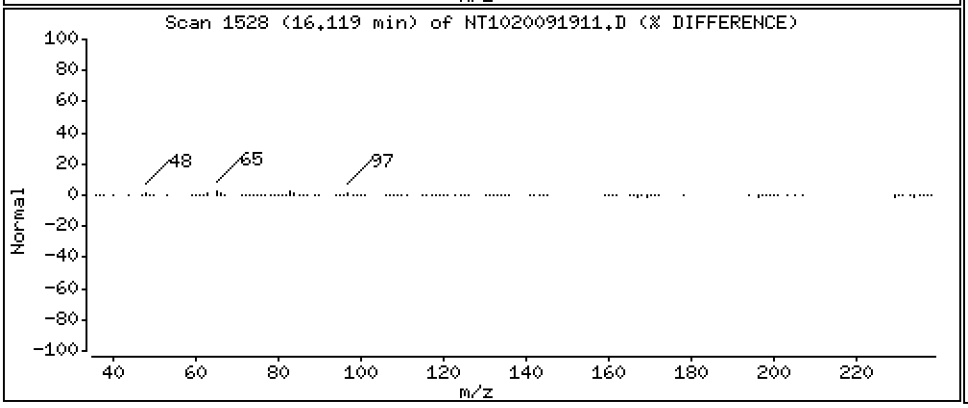
120 2,3,4,6-Tetrachlorophenol

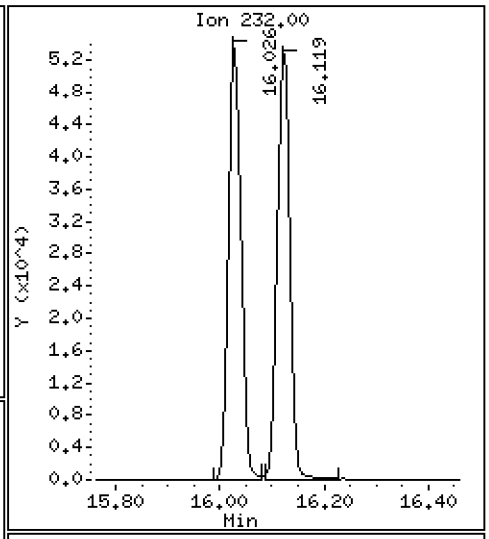
Concentration: 4.973 ug/mL

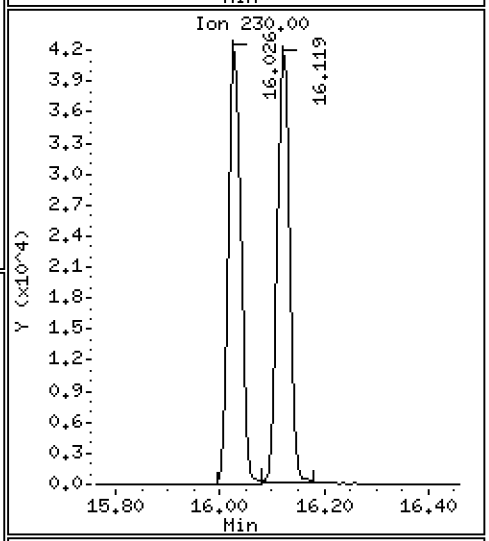


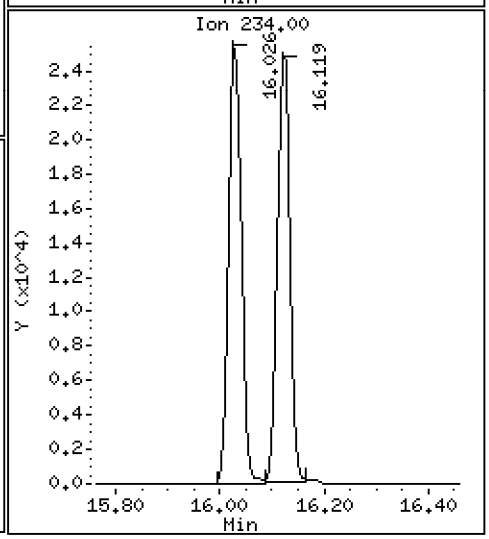












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20200919.b\NT1020091911.D
Lab Smp Id: SII0276-SCV1
Inj Date : 19-SEP-2020 18:28
Operator : VTS Inst ID: nt10.i
Smp Info : SII0276-SCV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20200919.b\ABN.m
Meth Date : 22-Sep-2020 14:56 yev Quant Type: ISTD
Cal Date : 19-SEP-2020 17:51 Cal File: NT1020091910.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1	2-Fluorophenol	112	Compound Not Detected.					
$ 2	Phenol-d5	99	Compound Not Detected.					
3	Phenol	94	8.614	8.606	(0.931)	242058	5.05047	5.050
$ 5	2-Chlorophenol-d4	132	Compound Not Detected.					
4	Bis(2-Chloroethyl)ether	93	8.791	8.791	(0.951)	185904	4.97745	4.977
6	2-Chlorophenol	128	8.907	8.907	(0.963)	184170	4.68652	4.687
7	1,3-Dichlorobenzene	146	9.186	9.186	(0.993)	192502	4.77178	4.772
* 8	1,4-Dichlorobenzene-d4	152	9.248	9.248	(1.000)	94859	4.00000	
9	1,4-Dichlorobenzene	146	9.279	9.279	(1.003)	167109	4.83134	4.831
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
12	1,2-Dichlorobenzene	146	9.636	9.636	(1.042)	170451	4.66051	4.661
11	Benzyl alcohol	108	9.520	9.512	(1.029)	104930	5.03947	5.039
14	2,2'-oxybis(1-Chloropropane)	121	9.822	9.815	(1.062)	55340	4.50100	4.501
13	2-Methylphenol	108	9.737	9.737	(1.053)	139615	4.59663	4.597
17	Hexachloroethane	117	10.234	10.226	(1.107)	70632	4.68602	4.686
16	N-Nitroso-di-n-propylamine	70	10.078	10.078	(1.090)	109215	4.85206	4.852
15	4-Methylphenol	108	10.009	10.001	(1.082)	156717	4.82278	4.823
$ 18	Nitrobenzene-d5	82	Compound Not Detected.					
19	Nitrobenzene	77	10.389	10.389	(0.884)	165486	4.51170	4.512
20	Isophorone	82	10.831	10.831	(0.922)	346349	4.79453	4.795
21	2-Nitrophenol	139	11.019	11.019	(0.938)	103271	4.74324	4.743
22	2,4-Dimethylphenol	107	11.062	11.053	(0.942)	146636	4.72998	4.730
23	Bis(2-Chloroethoxy)methane	93	11.265	11.257	(0.959)	185204	4.89492	4.895
24	Benzoic acid	105	11.197	11.138	(0.953)	179594	8.44509	8.445
25	2,4-Dichlorophenol	162	11.469	11.460	(0.976)	140055	5.04062	5.041
26	1,2,4-Trichlorobenzene	180	11.663	11.655	(0.993)	139996	4.68418	4.684
* 27	Naphthalene-d8	136	11.748	11.740	(1.000)	335883	4.00000	
28	Naphthalene	128	11.794	11.786	(1.004)	422895	4.85635	4.856
29	4-Chloroaniline	127	11.925	11.917	(1.015)	189754	5.25817	5.258
30	Hexachlorobutadiene	225	12.149	12.142	(1.034)	80147	4.79288	4.793
31	4-Chloro-3-methylphenol	107	12.877	12.869	(1.096)	144498	4.87029	4.870
32	2-Methylnaphthalene	142	13.194	13.186	(1.123)	368675	5.08252	5.083
33	Hexachlorocyclopentadiene	237	13.658	13.651	(0.887)	124092	5.51418	5.514

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.821	13.805	(0.898)	111883	4.97822	4.978
	35 2,4,5-Trichlorophenol	196	13.891	13.875	(0.902)	118253	4.82966	4.830
$	36 2-Fluorobiphenyl	172	Compound Not Detected.					
	37 2-Chloronaphthalene	162	14.192	14.185	(0.922)	335887	4.77238	4.772
	38 2-Nitroaniline	65	14.463	14.455	(0.940)	92564	5.04078	5.041
	39 Dimethylphthalate	163	14.897	14.881	(0.968)	320919	4.68520	4.685
	40 Acenaphthylene	152	15.075	15.067	(0.979)	472438	4.60182	4.602
	41 2,6-Dinitrotoluene	165	15.036	15.028	(0.977)	76576	4.89443	4.894
*	42 Acenaphthene-d10	164	15.392	15.376	(1.000)	174376	4.00000	
	43 3-Nitroaniline	138	15.322	15.315	(0.995)	95651	5.30528	5.305
	44 Acenaphthene	153	15.461	15.446	(1.005)	264544	4.51626	4.516
	45 2,4-Dinitrophenol	184	15.531	15.523	(1.009)	27863	2.73997	2.740
	46 Dibenzofuran	168	15.786	15.771	(1.026)	419795	4.90529	4.905
	47 4-Nitrophenol	109	15.624	15.616	(1.015)	28746	4.78575	4.786
	48 2,4-Dinitrotoluene	165	15.848	15.840	(1.030)	99793	4.81914	4.819
	50 Diethylphthalate	149	16.358	16.343	(1.063)	298873	4.77154	4.772
	49 Fluorene	166	16.505	16.498	(1.072)	318421	4.49217	4.492
	51 4-Chlorophenyl-phenylether	204	16.490	16.482	(1.071)	160750	4.69786	4.698
	52 4-Nitroaniline	138	16.598	16.590	(1.078)	95668	5.31293	5.313
	53 4,6-Dinitro-2-methylphenol	198	16.691	16.683	(0.904)	77068	4.94987	4.950
	54 N-Nitrosodiphenylamine	169	16.745	16.737	(0.907)	274102	6.42978	6.430
$	55 2,4,6-Tribromophenol	330	Compound Not Detected.					
	56 4-Bromophenyl-phenylether	248	17.508	17.501	(0.948)	140285	4.84840	4.848
	57 Hexachlorobenzene	284	17.825	17.817	(0.966)	130876	4.59776	4.598
	58 Pentachlorophenol	266	18.189	18.173	(0.985)	57510	4.88340	4.883
*	59 Phenanthrene-d10	188	18.460	18.444	(1.000)	328343	4.00000	
	60 Phenanthrene	178	18.506	18.498	(1.002)	423820	4.89488	4.895
	61 Anthracene	178	18.599	18.591	(1.008)	437919	4.70531	4.705
	62 Carbazole	167	18.939	18.924	(1.026)	451719	4.81042	4.810
	63 Di-n-butylphthalate	149	19.729	19.721	(1.069)	579118	4.79068	4.791
	64 Fluoranthene	202	20.905	20.897	(0.888)	532561	4.52973	4.530
	65 Pyrene	202	21.338	21.322	(0.906)	563185	4.71565	4.716
$	66 Terphenyl-d14	244	Compound Not Detected.					
	67 Butylbenzylphthalate	149	22.561	22.553	(0.958)	206361	4.81201	4.812
	68 Benzo(a)anthracene	228	23.521	23.513	(0.999)	397218	4.72692	4.727
*	69 Chrysene-d12	240	23.552	23.544	(1.000)	216919	4.00000	
	70 3,3'-Dichlorobenzidine	252	23.482	23.475	(0.997)	309355	10.1029	10.10
	71 Chrysene	228	23.598	23.591	(1.002)	323192	4.79059	4.791
	72 bis(2-Ethylhexyl)phthalate	149	23.598	23.583	(0.958)	233436	4.73101	4.731
*	134 Di-n-octylphthalate-d4	153	24.620	24.613	(1.000)	349027	4.00000	
	73 Di-n-octylphthalate	149	24.636	24.628	(1.001)	440607	4.85361	4.854
	74 Benzo(b)fluoranthene	252	25.511	25.503	(0.968)	309270	5.06616	5.066
	75 Benzo(k)fluoranthene	252	25.557	25.549	(0.970)	311932	5.07811	5.078
	76 Benzo(a)pyrene	252	26.215	26.207	(0.995)	266485	5.24711	5.247
*	77 Perylene-d12	264	26.347	26.331	(1.000)	160930	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	29.222	29.215	(1.109)	212426	5.05171	5.052
	79 Dibenzo(a,h)anthracene	278	29.253	29.238	(1.110)	170917	4.99497	4.995
	80 Benzo(g,h,i)perylene	276	30.085	30.069	(1.142)	167170	4.84778	4.848
	90 N-Nitrosodimethylamine	74	4.790	4.797	(0.518)	146984	5.85692	5.857
	91 Aniline	93	8.699	8.699	(0.941)	272309	8.04102	8.041
	93 Benzidine	184	21.152	21.137	(0.898)	488349	10.2536	10.25
	103 Pyridine	79	4.813	4.828	(0.520)	225760	6.08494	6.085
	105 1-methylnaphthalene	142	13.418	13.411	(1.142)	350810	5.01072	5.011
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.822	16.807	(1.093)	362084	4.56296	4.563

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.511	25.503	(0.968)	598167	10.0798	10.08
99 Perylene	252	26.215	26.393	(0.995)	266485	5.95198	5.952
98 Retene	219	Compound Not Detected.					
120 2,3,4,6-Tetrachlorophenol	232	16.119	16.111	(1.047)	96211	4.97275	4.973

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020091911.D
Lab Smp Id: SII0276-SCV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20200919.b\ABN.m
Misc Info:

Calibration Date: 19-SEP-2020
Calibration Time: 12:43
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	131496	65748	262992	94859	-27.86
27 Naphthalene-d8	469048	234524	938096	335883	-28.39
42 Acenaphthene-d10	240338	120169	480676	174376	-27.45
59 Phenanthrene-d10	451272	225636	902544	328343	-27.24
69 Chrysene-d12	290698	145349	581396	216919	-25.38
134 Di-n-octylphthala	509417	254709	1018834	349027	-31.49
77 Perylene-d12	218282	109141	436564	160930	-26.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	9.26	8.76	9.76	9.25	-0.09
27 Naphthalene-d8	11.75	11.25	12.25	11.75	-0.00
42 Acenaphthene-d10	15.38	14.88	15.88	15.39	0.10
59 Phenanthrene-d10	18.44	17.94	18.94	18.46	0.13
69 Chrysene-d12	23.51	23.01	24.01	23.55	0.16
134 Di-n-octylphthala	24.57	24.07	25.07	24.62	0.19
77 Perylene-d12	26.29	25.79	26.79	26.35	0.24

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020091911.D

Lab ID: SII0276-SCV1
nt10.i, ABN.m, 19-SEP-2020 18:28

RT	CO-ELUTION COMPOUNDS
26.216	Perylene and Benzo(a)pyrene

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.995	1.002	-0.0074	Perylene

RRT check based on Ccal File: NT1020091910.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Analytical Resources, Incorporated
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Instrument ID:	NT10	Calibration:	DI00063
Lab File ID:	NT1020100620.D	Calibration Date:	09/22/2020
Sequence:	SIJ0067	Injection Date:	10/07/20
Lab Sample ID:	SIJ0067-CCV1	Injection Time:	00:10
Sequence Name:	ABN 5		

		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	5.0000	5.1	2.0210150	2.0604570		2.0	+/-50
4-Methylphenol	A	5.0000	5.5	1.3702510	1.5160490		10.6	+/-50
Naphthalene	A	5.0000	5.2	1.0370380	1.0780860		4.0	+/-50
2-Methylnaphthalene	A	5.0000	5.7	0.8638465	0.9789287		13.3	+/-50
Acenaphthylene	A	5.0000	4.8	2.3549840	2.2715630		-3.5	+/-50
Dimethylphthalate	A	5.0000	5.1	1.5712320	1.6072800		2.3	+/-50
Acenaphthene	A	5.0000	5.1	1.3436690	1.3623330		1.4	+/-50
Dibenzofuran	A	5.0000	5.3	1.9631150	2.0780310		5.9	+/-50
Fluorene	A	5.0000	4.9	1.6259940	1.5991620		-1.7	+/-50
Phenanthrene	A	5.0000	4.9	1.0548050	1.0367630		-1.7	+/-50
Anthracene	A	5.0000	5.1	1.1338030	1.1677810		3.0	+/-50
Fluoranthene	A	5.0000	4.6	2.1679990	2.0005550		-7.7	+/-50
Pyrene	A	5.0000	4.6	2.2022770	2.0315390		-7.8	+/-50
Butylbenzylphthalate	A	5.0000	4.5	0.7907942	0.7187017		-9.1	+/-50
Benzo(a)anthracene	A	5.0000	5.0	1.5495780	1.5638790		0.9	+/-50
Chrysene	A	5.0000	5.1	1.2440400	1.2788730		2.8	+/-50
bis(2-Ethylhexyl)phthalate	A	5.0000	4.7	0.5654770	0.5264675		-6.9	+/-50
Benzofluoranthenes, Total	A	10.000	9.0	1.4750090	1.3314760		-9.8	+/-50
Benzo(a)pyrene	A	5.0000	5.2	1.2623370	1.3073350		3.6	+/-50
Indeno(1,2,3-cd)pyrene	A	5.0000	6.5	1.0451830	1.3658820		30.7	+/-50
Dibenzo(a,h)anthracene	A	5.0000	6.4	0.8505023	1.0874130		27.9	+/-50
Benzo(g,h,i)perylene	A	5.0000	6.6	0.8571136	1.1212660		31.2	+/-50
2-Fluorophenol	A	7.5000	7.65	1.4669840	1.4954500		1.9	+/-50
Phenol-d5	A	7.5000	7.85	2.0601030	2.1548780		4.6	+/-50
2-Chlorophenol-d4	A	7.5000	7.48	1.5133110	1.5101420		-0.2	+/-50
1,2-Dichlorobenzene-d4	A	5.0000	4.99	0.9811148	0.9782080		-0.3	+/-50
Nitrobenzene-d5	A	5.0000	5.01	0.4162577	0.4167662		0.1	+/-50
2-Fluorobiphenyl	A	5.0000	5.26	1.7887750	1.8816980		5.2	+/-50
2,4,6-Tribromophenol	A	7.5000	7.51	0.2802730	0.2807492		0.2	+/-50
p-Terphenyl-d14	A	5.0000	4.18	1.4703140	1.2297820		-16.4	+/-50

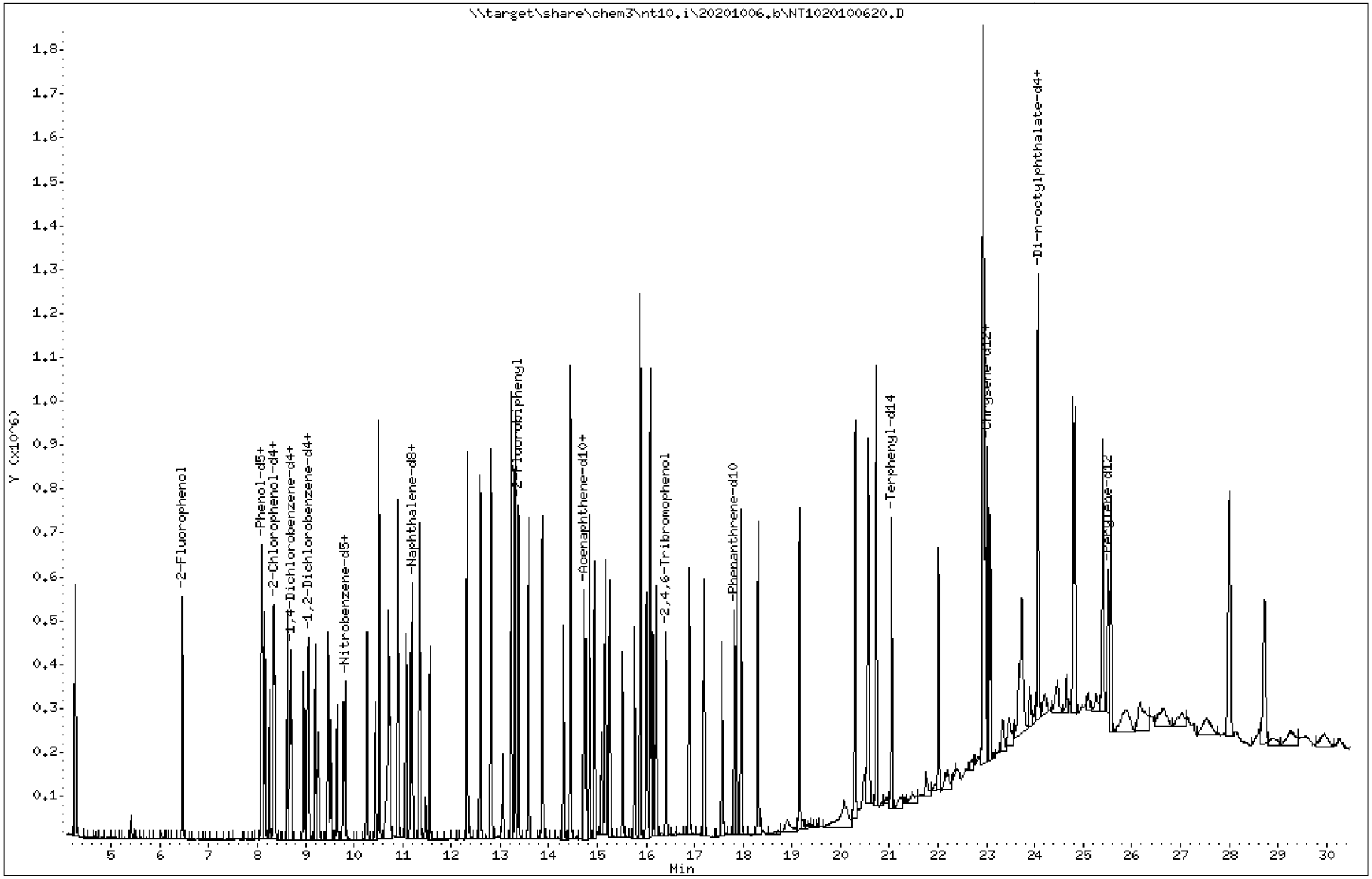
* Values outside of QC limits

Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D
Date : 07-OCT-2020 00:10
Client ID:
Sample Info: SIJ0067-CCV1

Column phase: ZB-5msi

Instrument: nt10.i

Operator: VTS
Column diameter: 0.25



Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

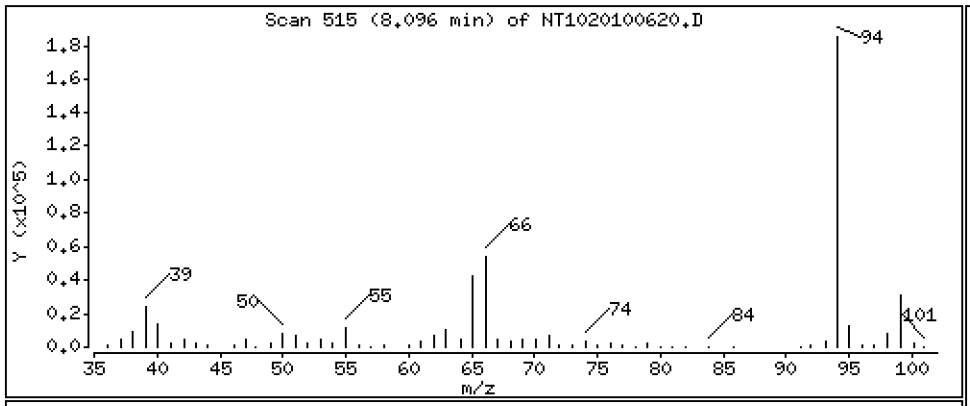
Operator: VTS

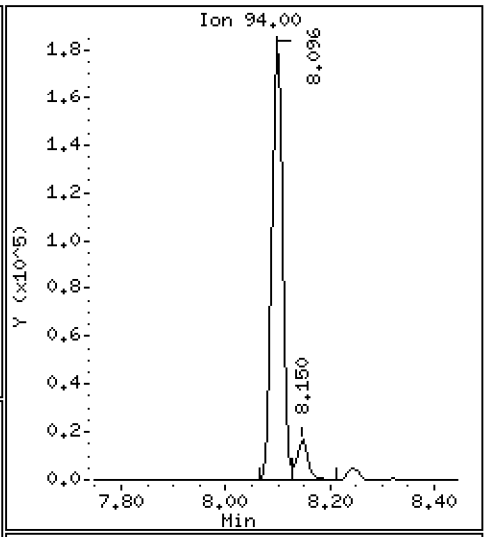
Column phase: ZB-5msi

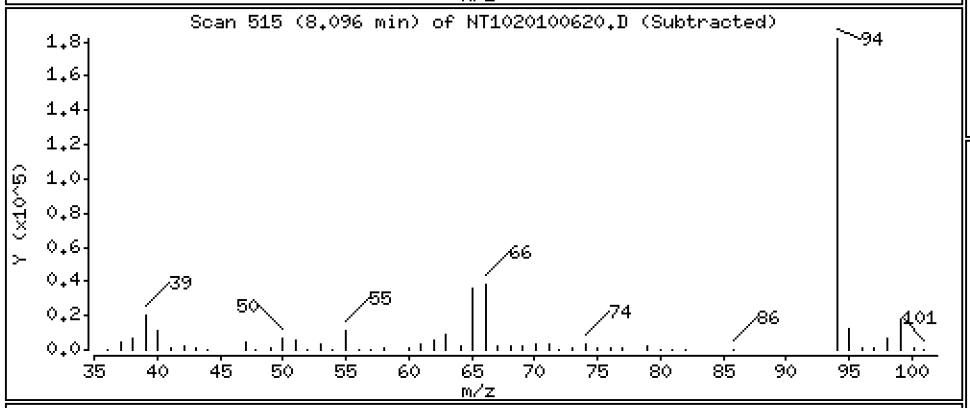
Column diameter: 0.25

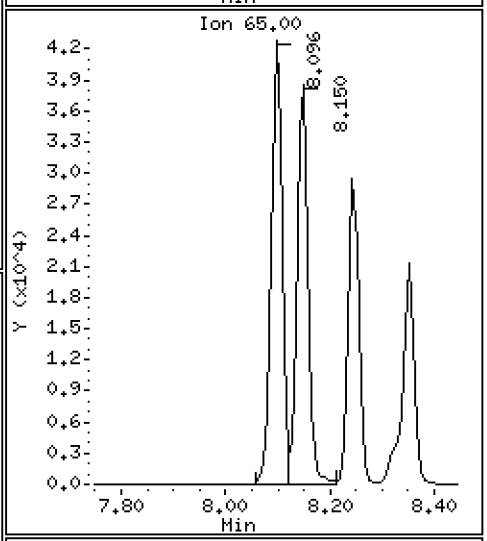
3 Phenol

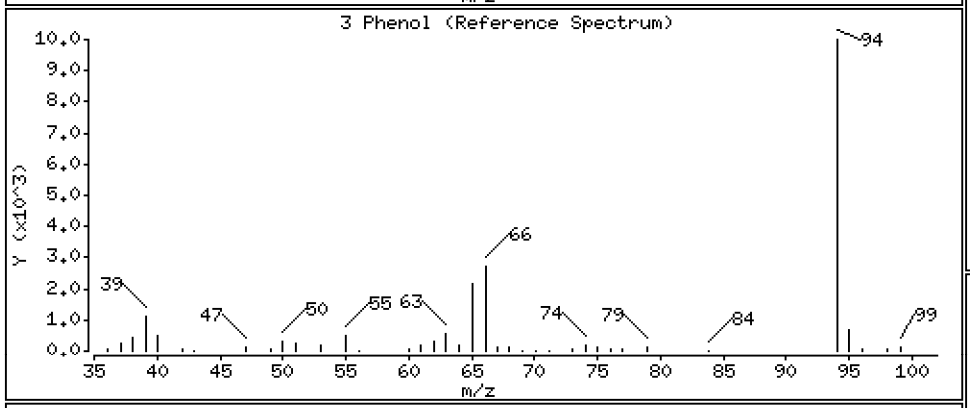
Concentration: 5.098 ug/mL

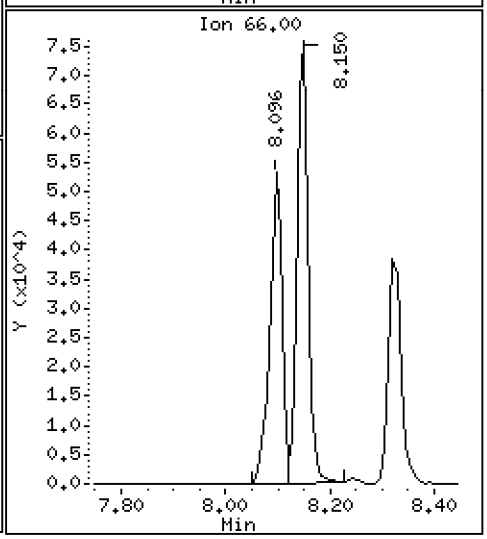


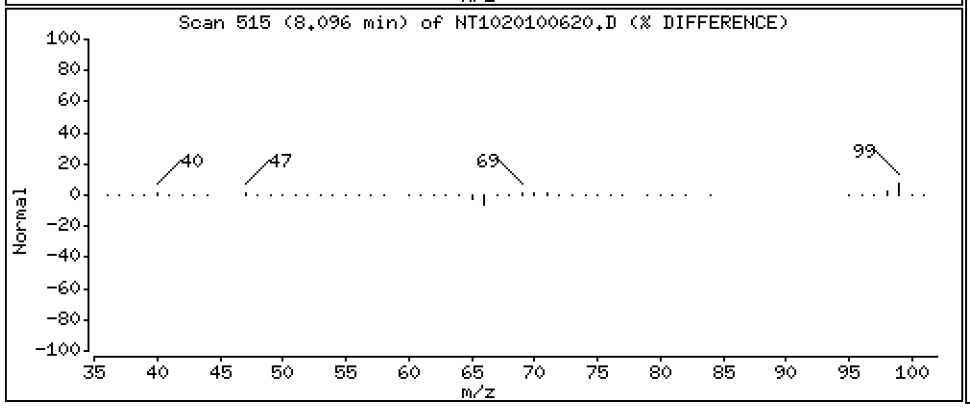












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

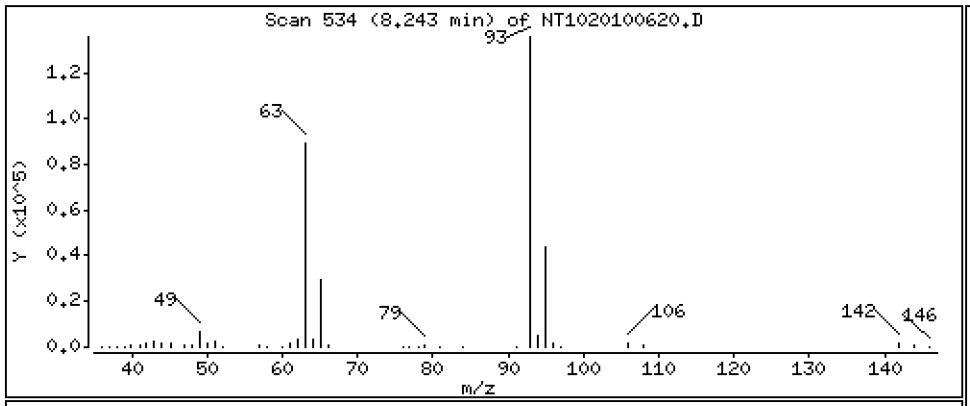
Operator: VTS

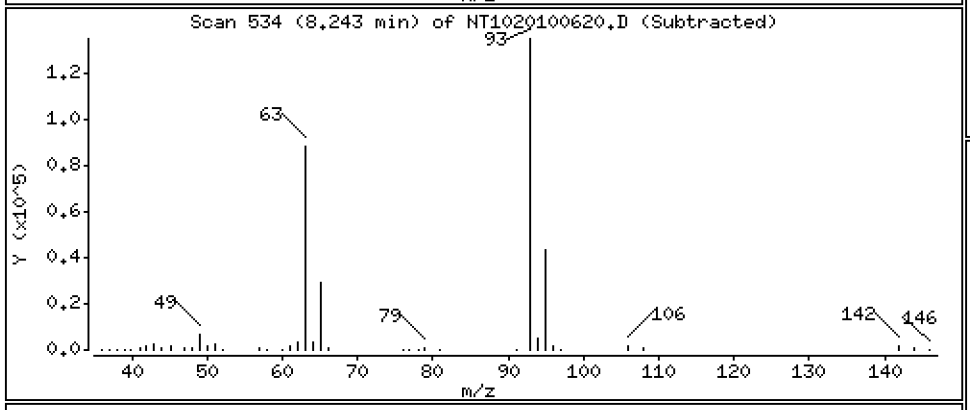
Column phase: ZB-5msi

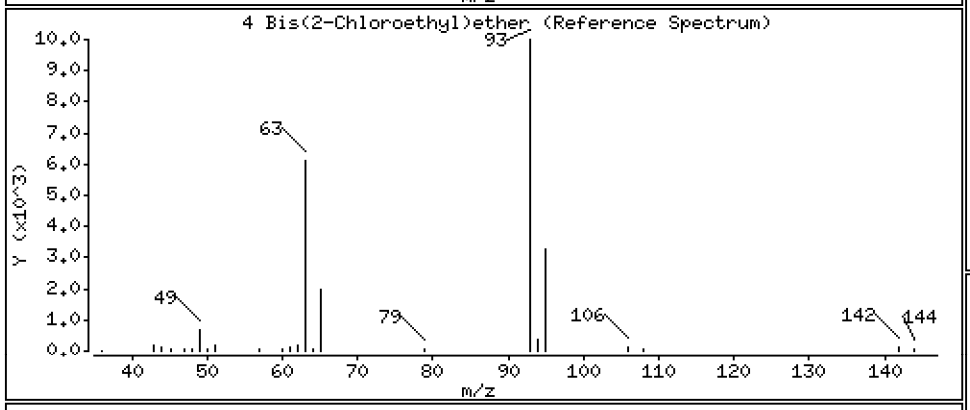
Column diameter: 0.25

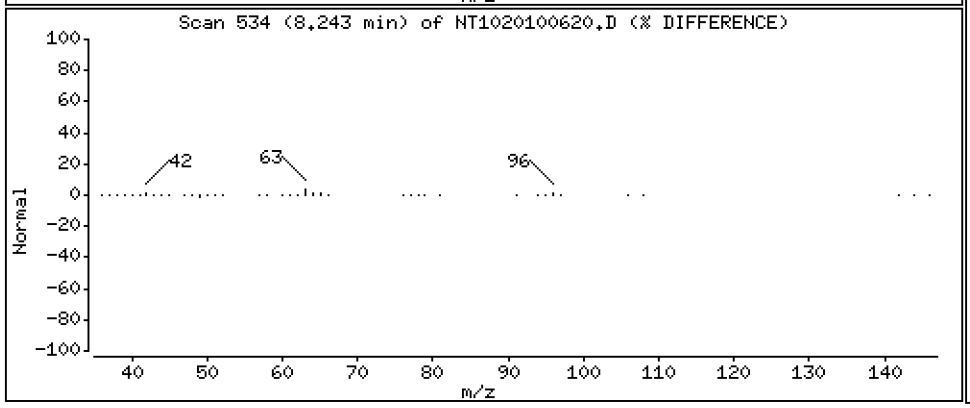
4 Bis(2-Chloroethyl)ether

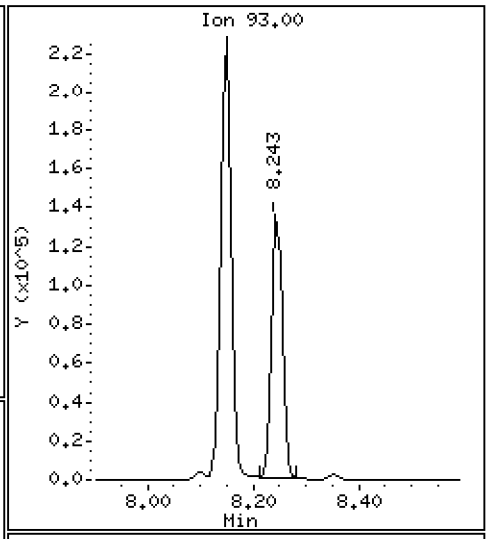
Concentration: 4.828 ug/mL

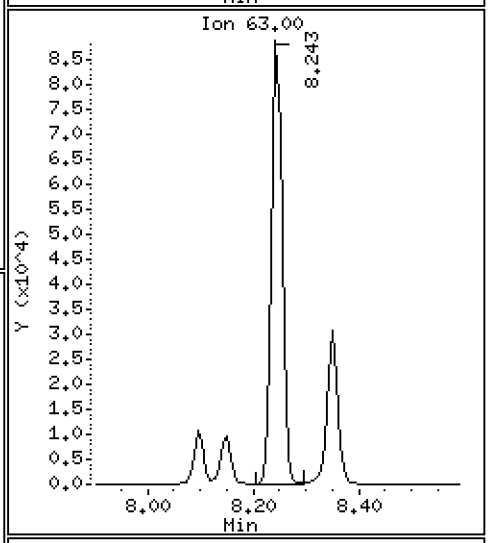


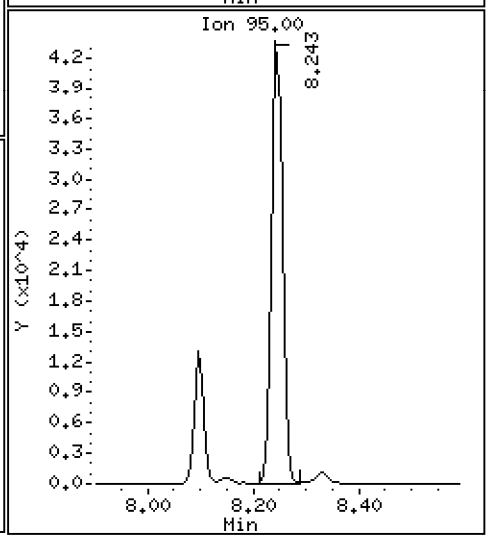












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

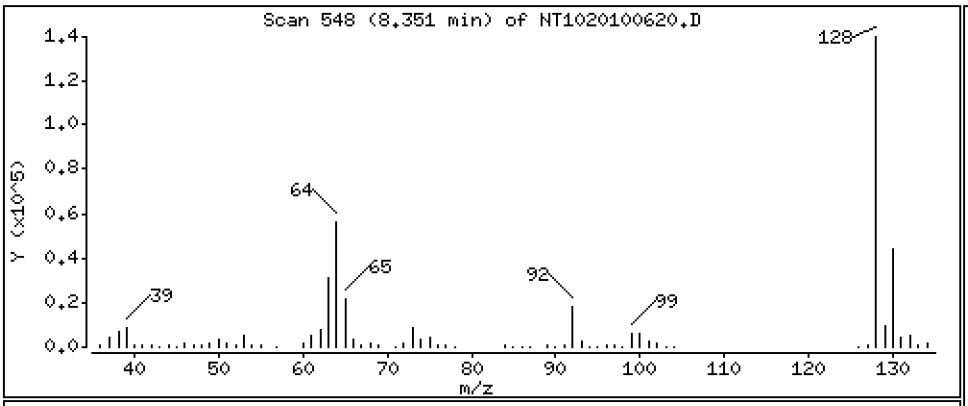
Client ID: Instrument: nt10.i

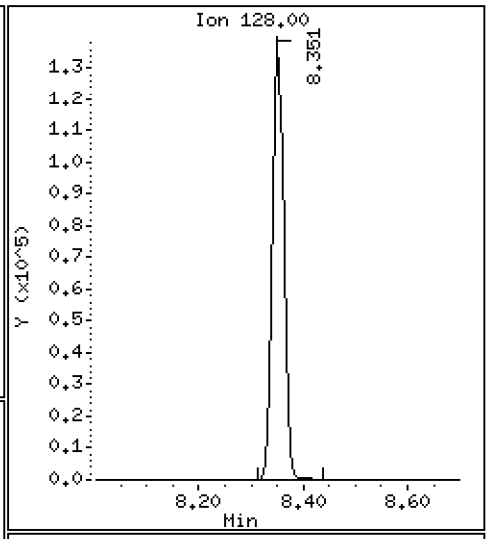
Sample Info: SIJ0067-CCV1

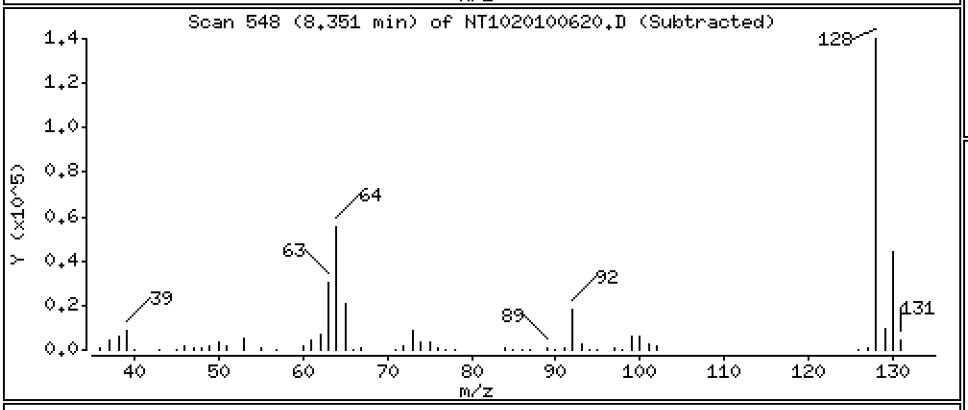
Operator: VTS

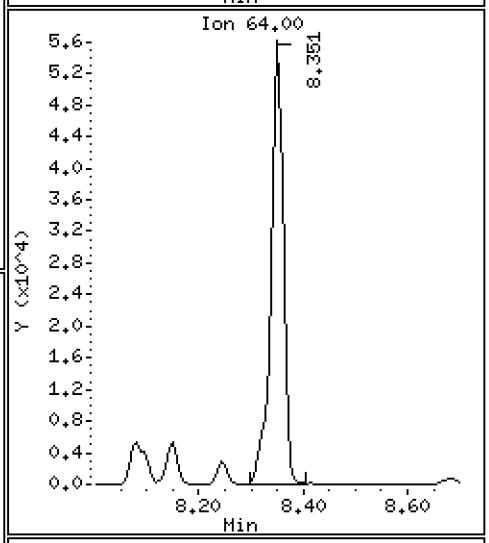
Column phase: ZB-5msi Column diameter: 0.25

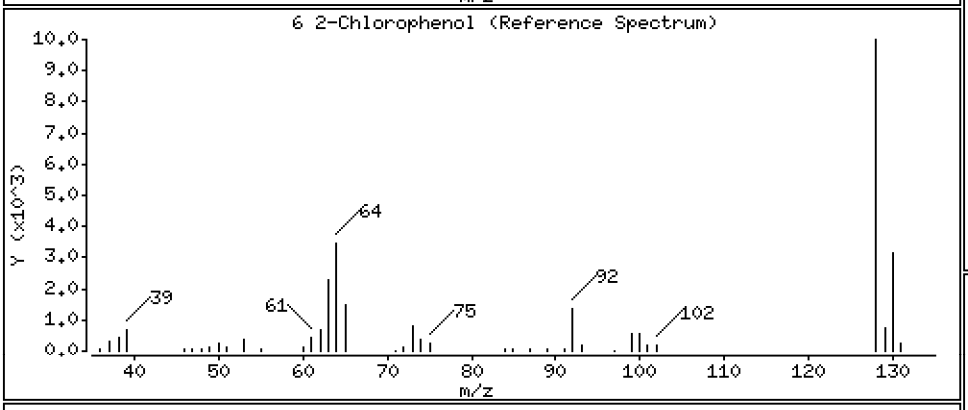
6 2-Chlorophenol Concentration: 4.942 ug/mL

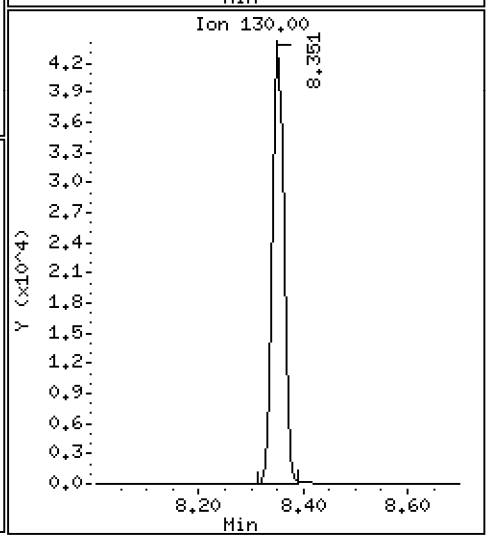


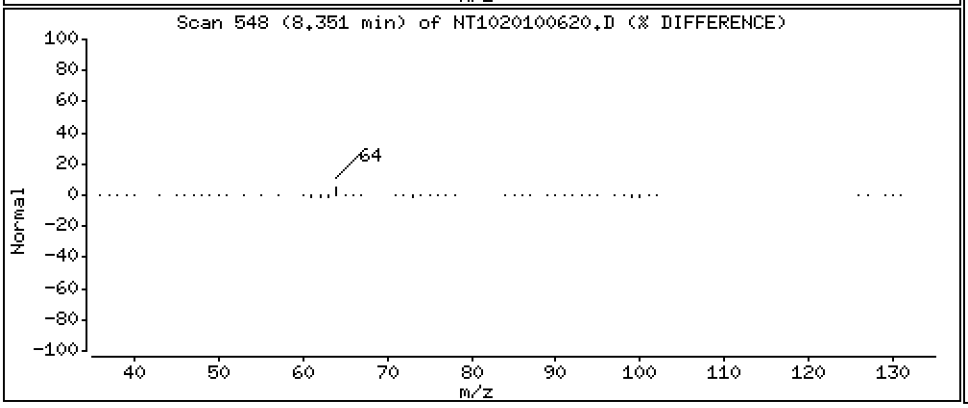












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

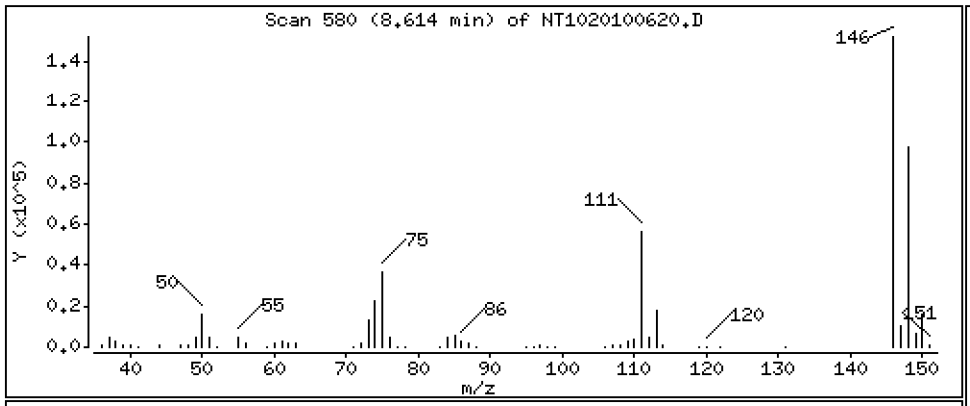
Operator: VTS

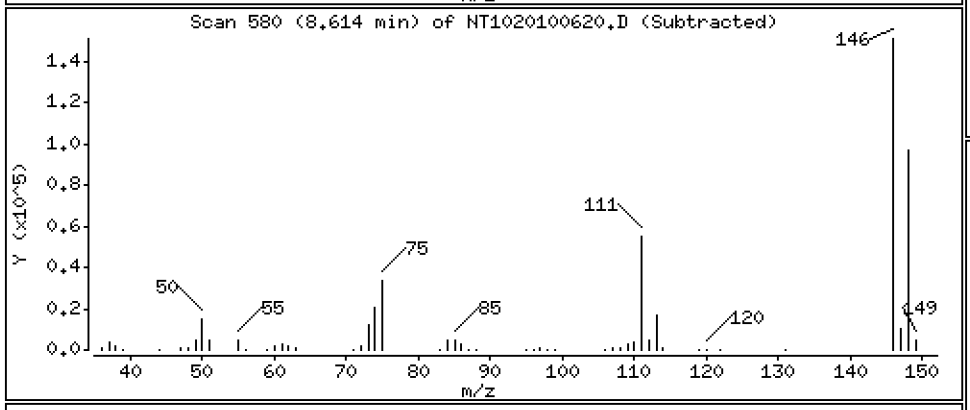
Column phase: ZB-5msi

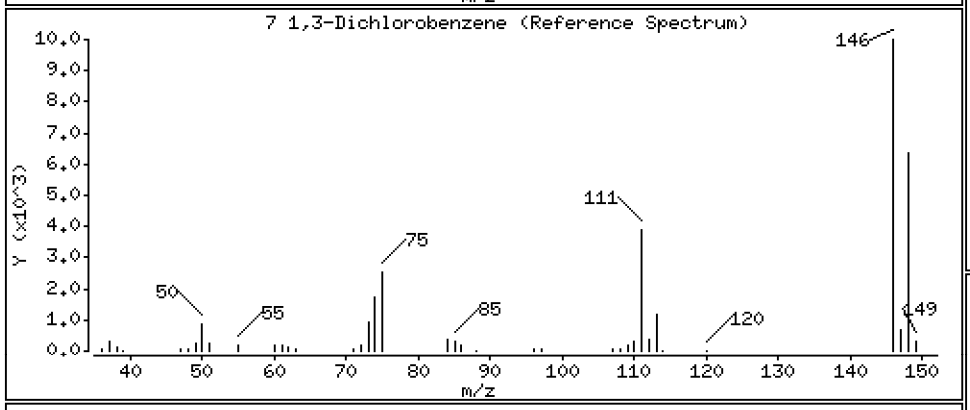
Column diameter: 0.25

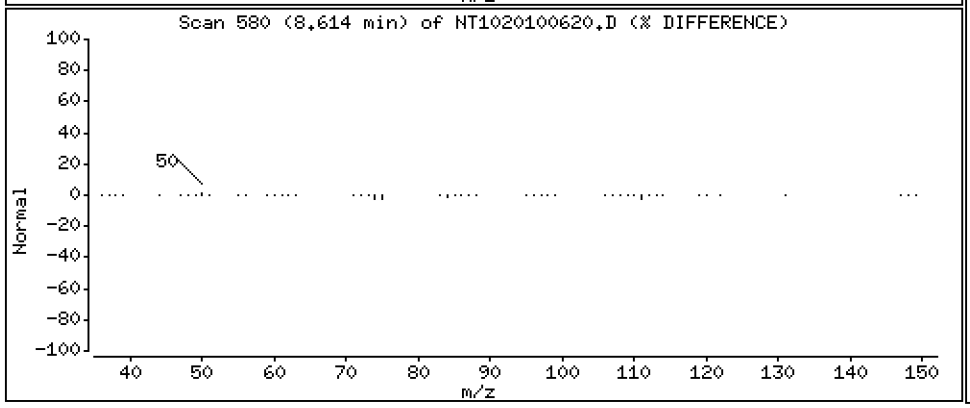
7 1,3-Dichlorobenzene

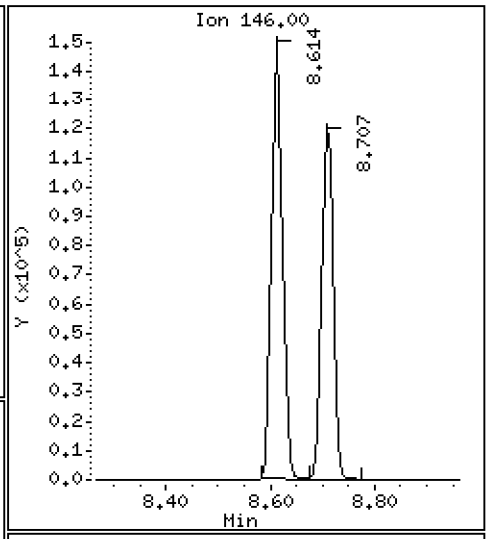
Concentration: 4.166 ug/mL

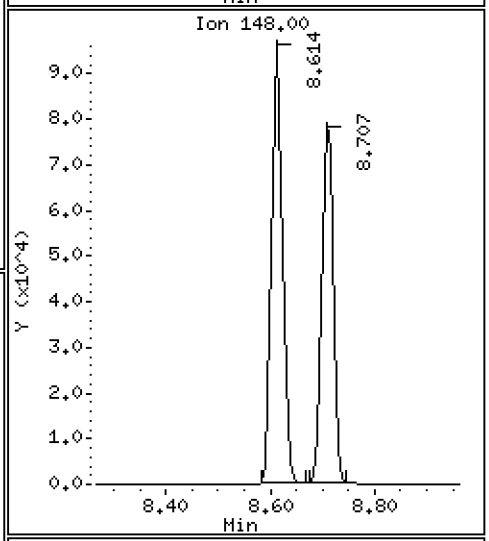


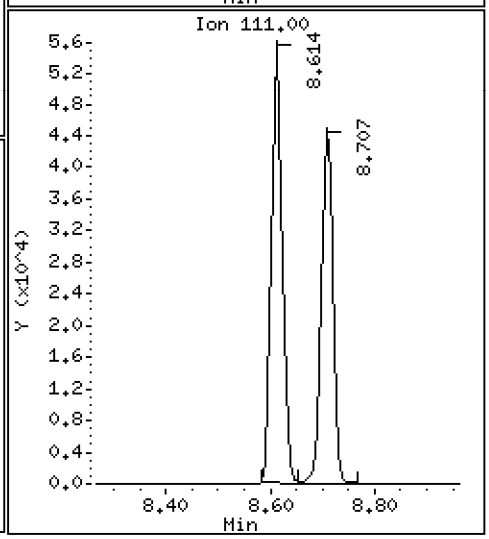












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

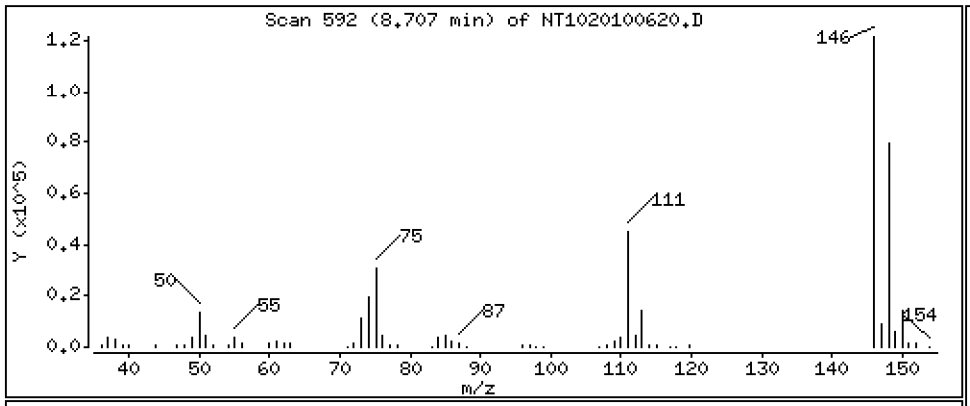
Operator: VTS

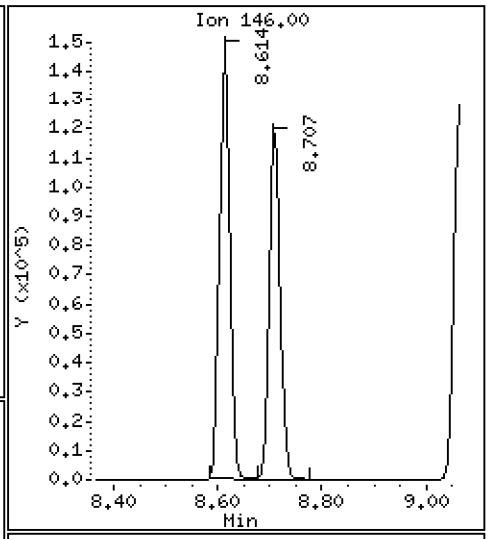
Column phase: ZB-5msi

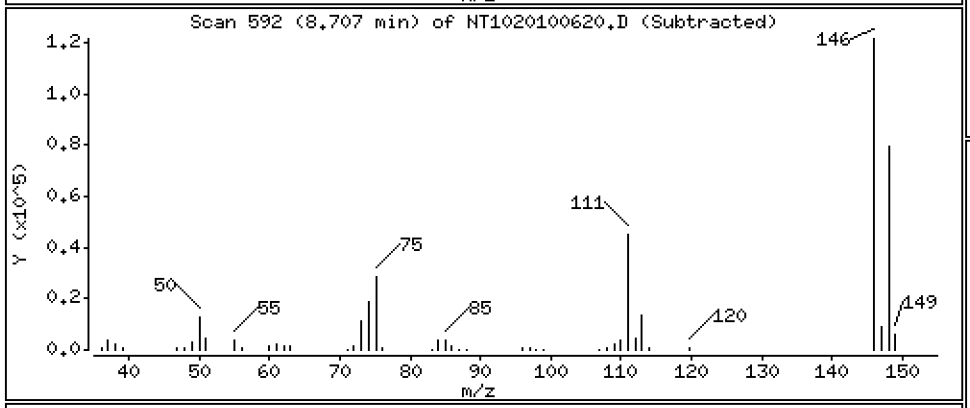
Column diameter: 0.25

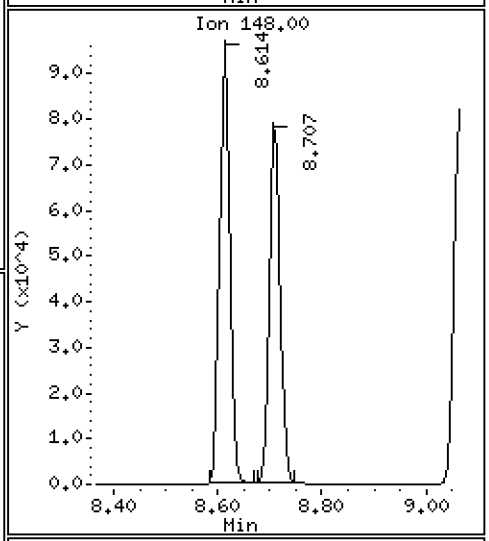
9 1,4-Dichlorobenzene

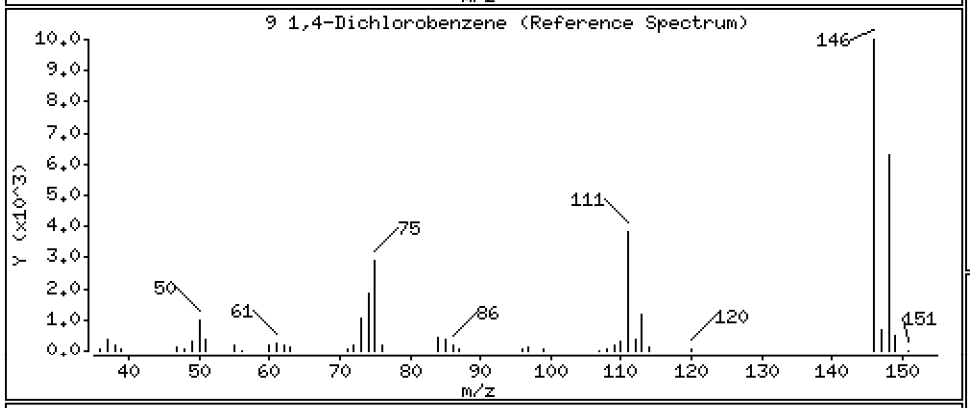
Concentration: 5.108 ug/mL

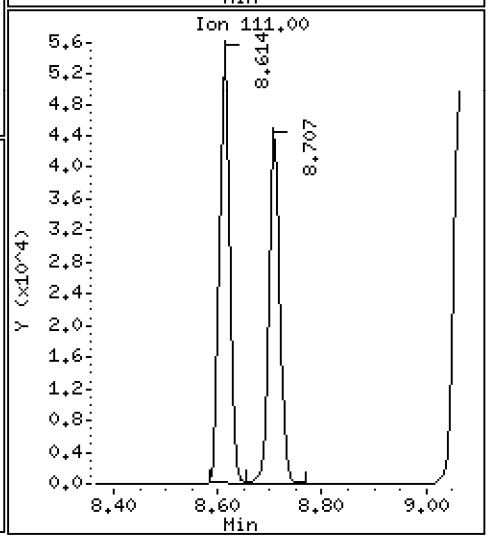


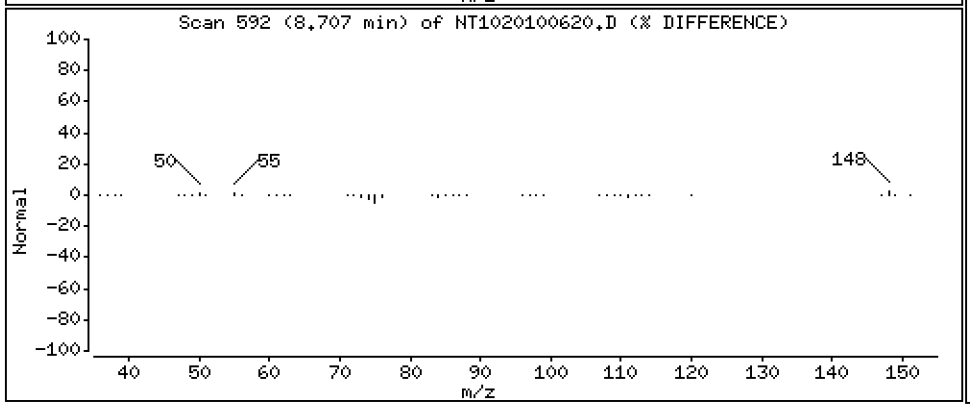












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

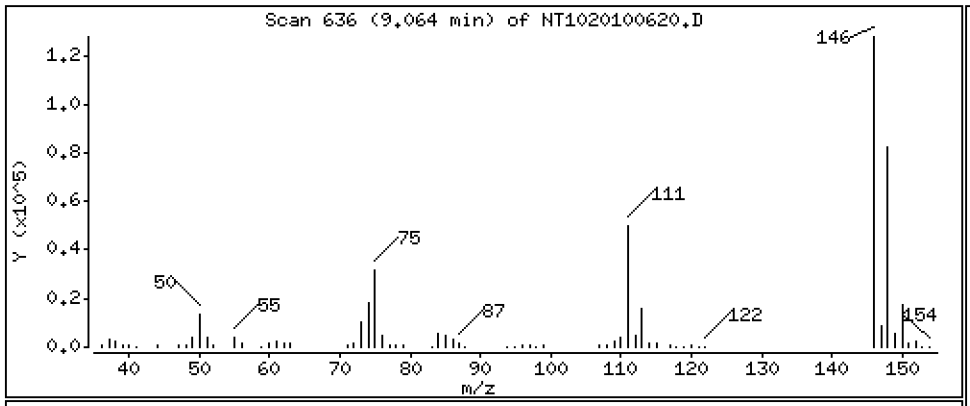
Operator: VTS

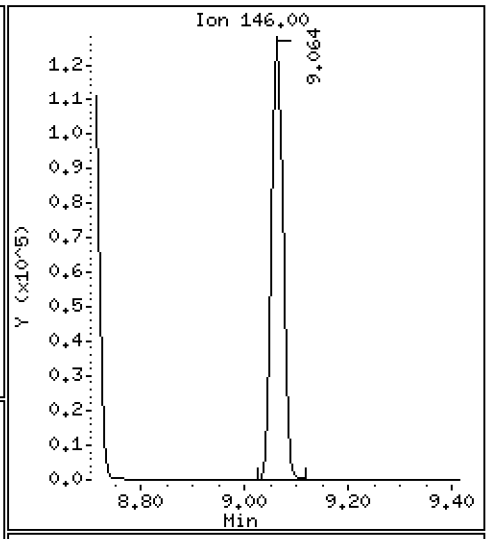
Column phase: ZB-5msi

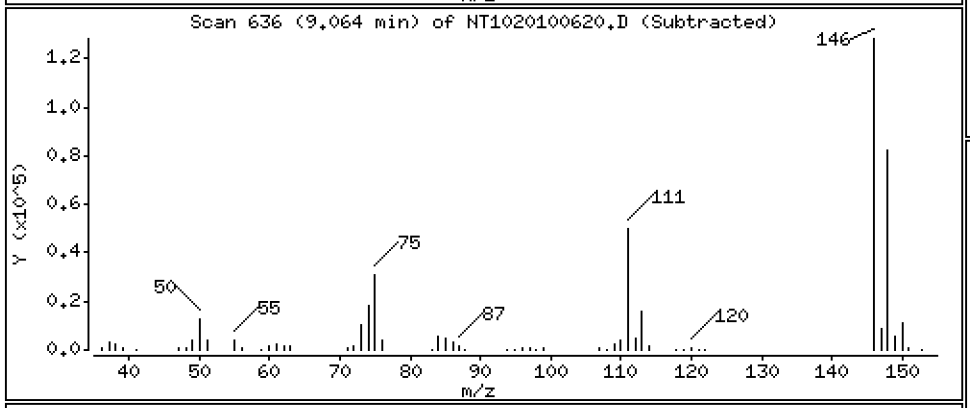
Column diameter: 0.25

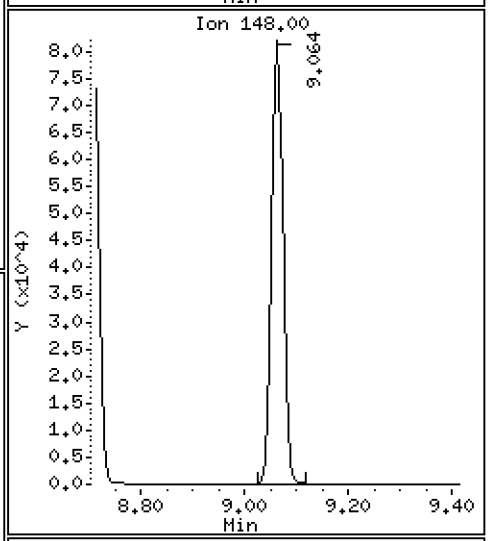
12 1,2-Dichlorobenzene

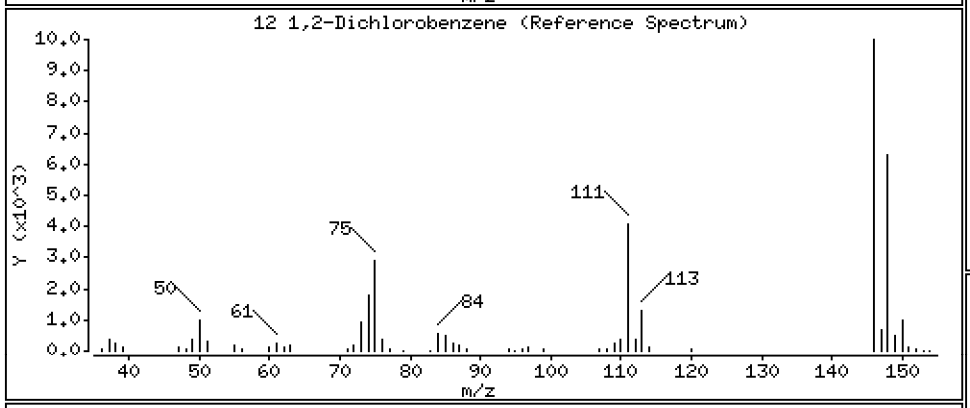
Concentration: 5.019 ug/mL

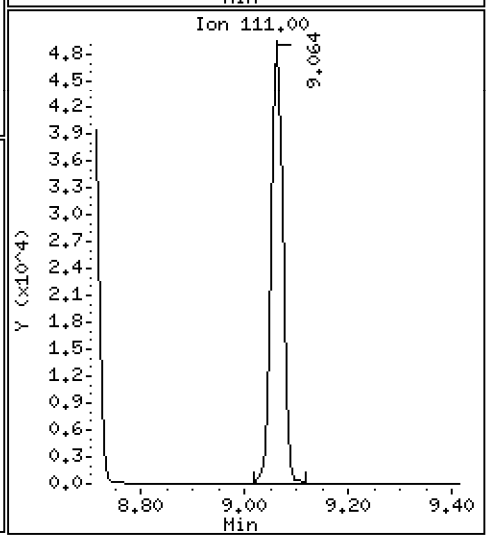


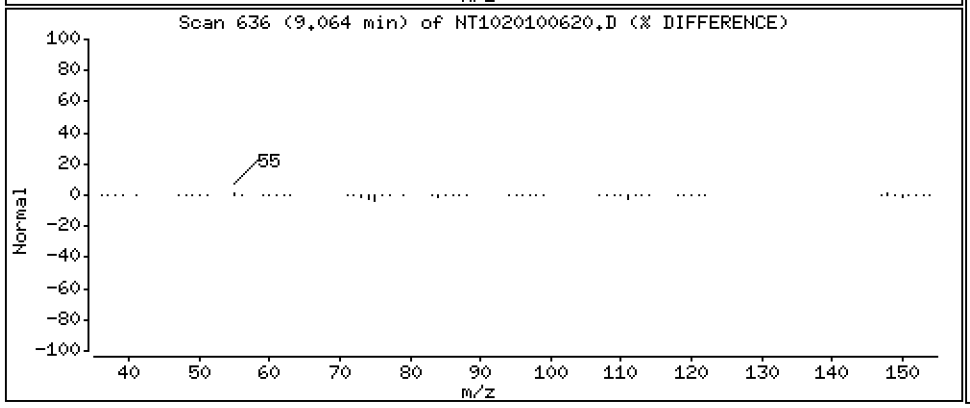












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

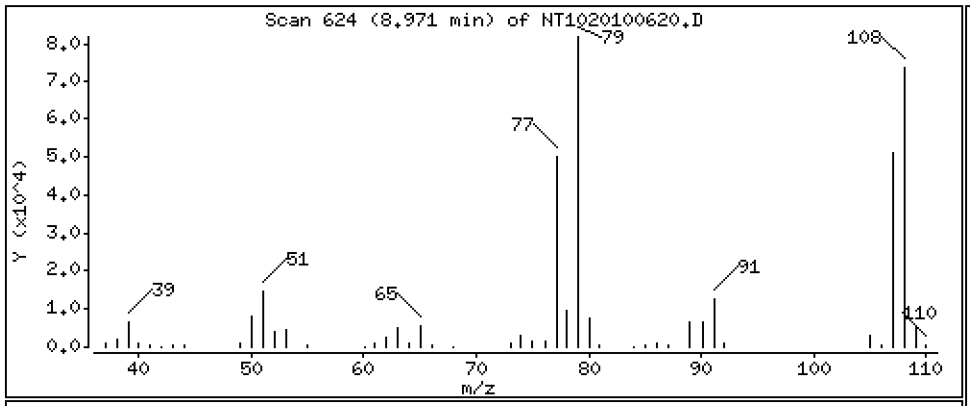
Client ID: Instrument: nt10.i

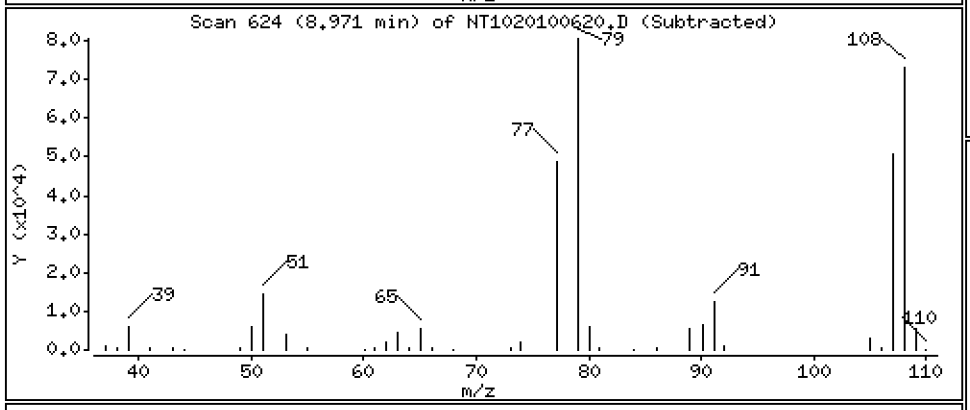
Sample Info: SIJ0067-CCV1

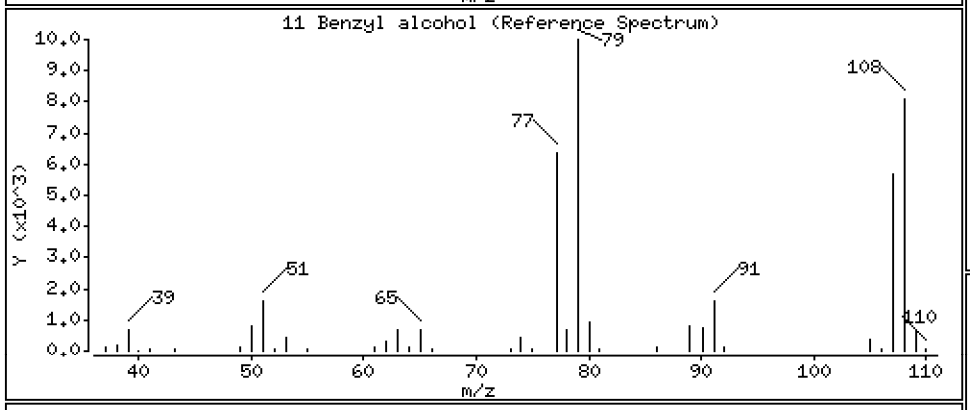
Operator: VTS

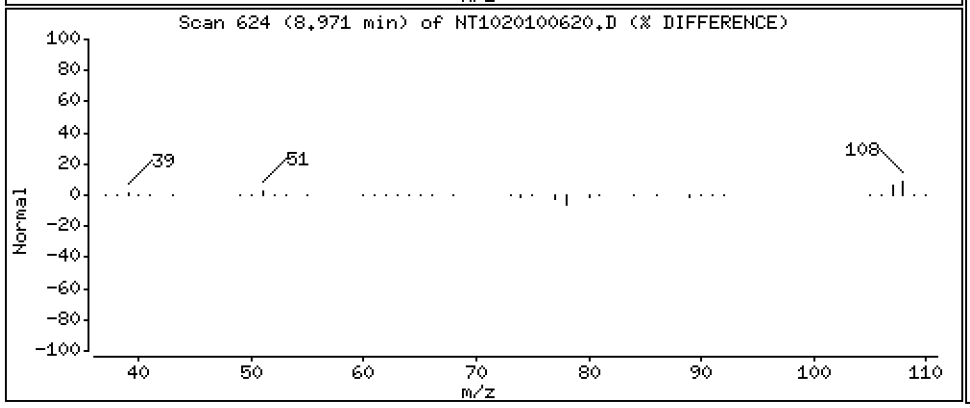
Column phase: ZB-5msi Column diameter: 0.25

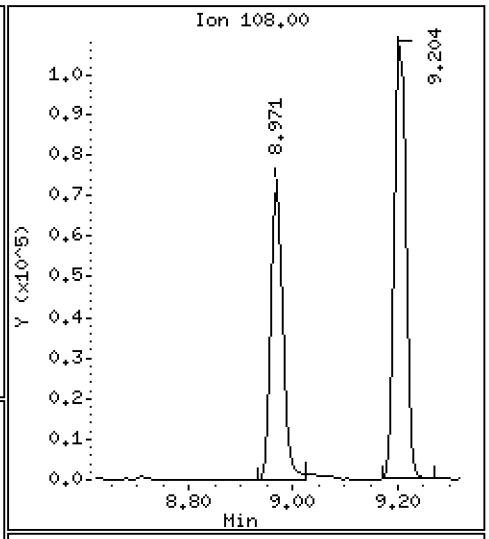
11 Benzyl alcohol Concentration: 5.323 ug/mL

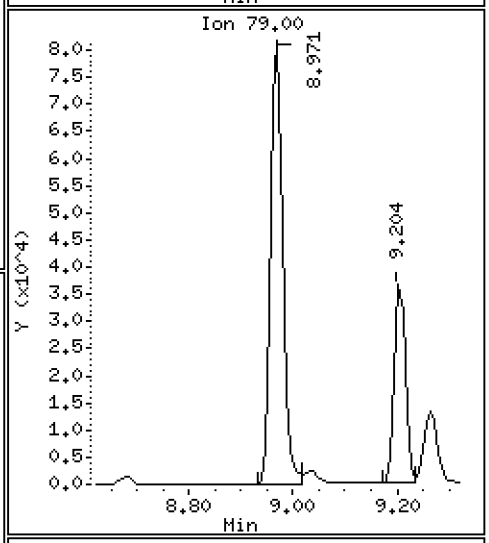


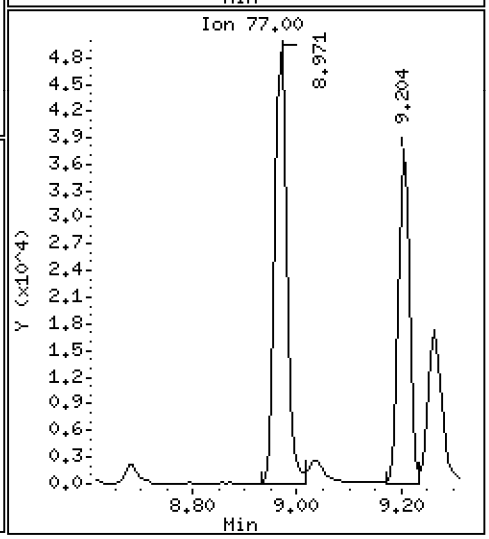












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

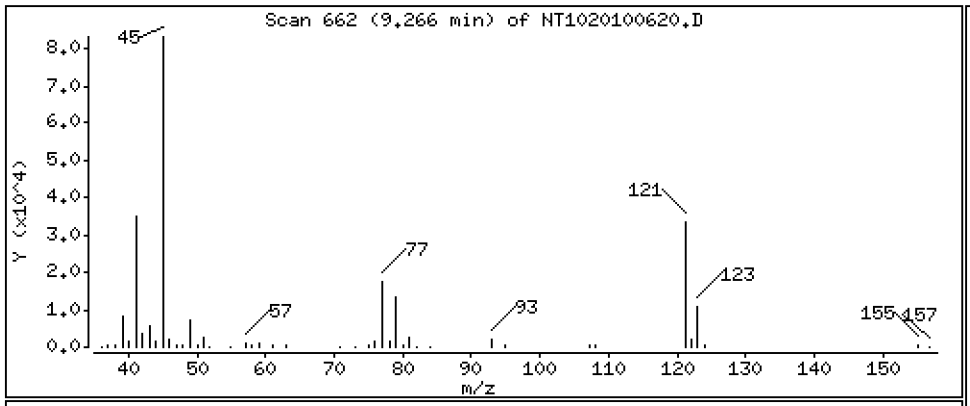
Operator: VTS

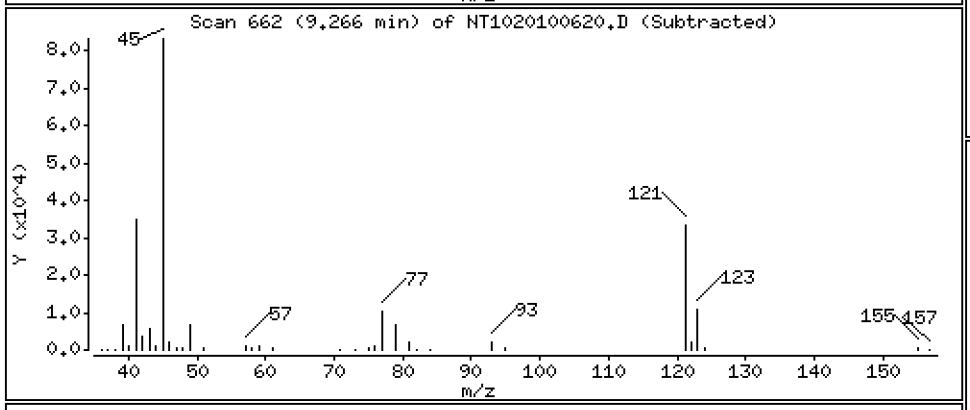
Column phase: ZB-5msi

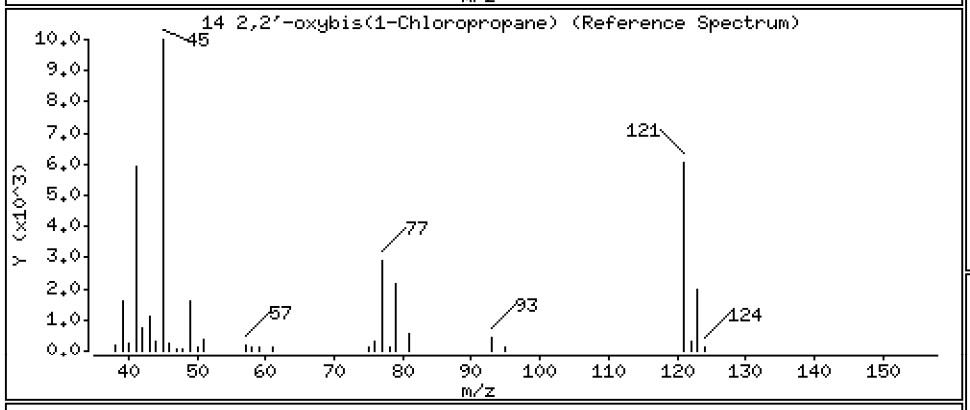
Column diameter: 0.25

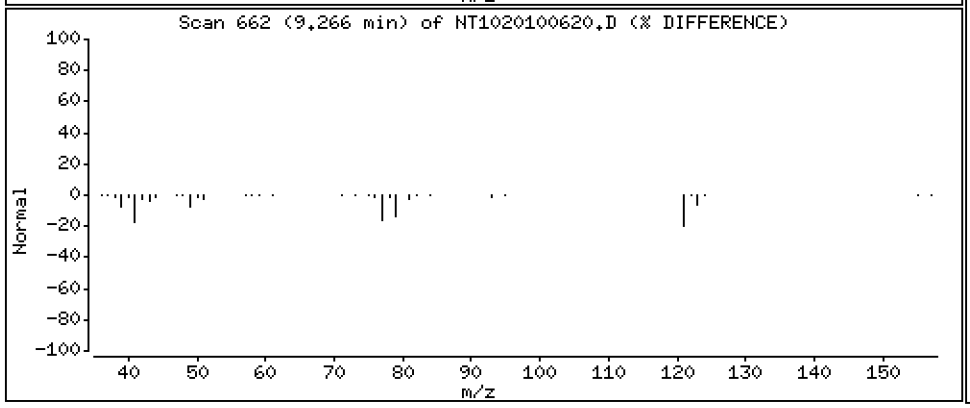
14 2,2'-oxybis(1-Chloropropane)

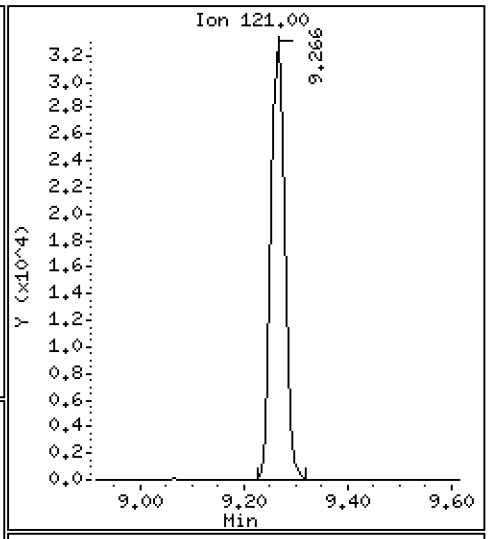
Concentration: 4.754 ug/mL

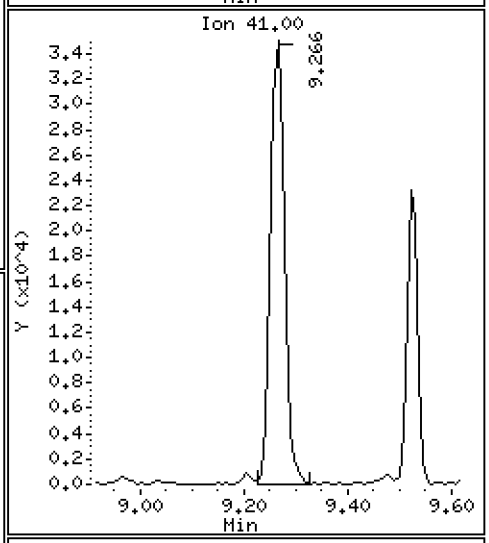


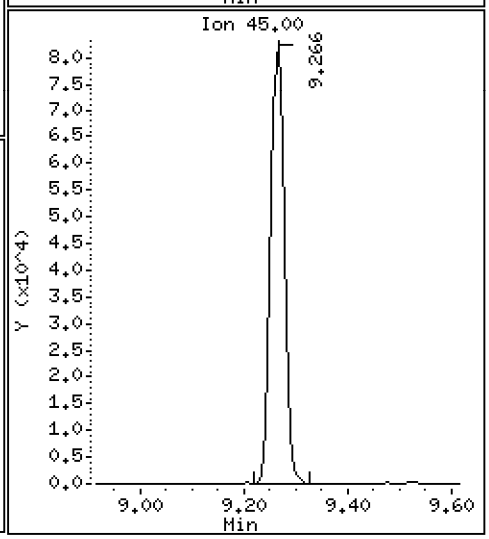












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

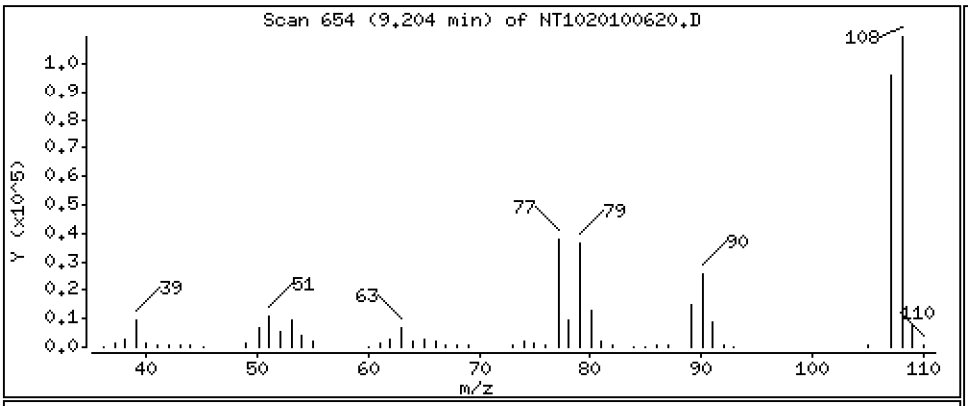
Operator: VTS

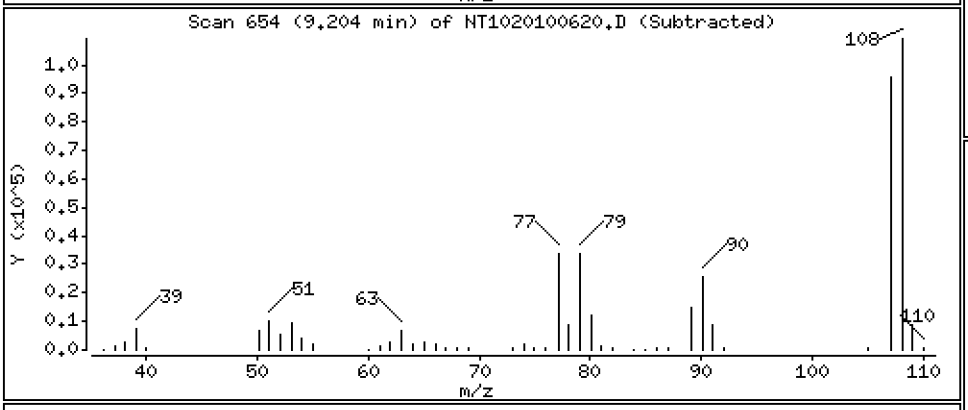
Column phase: ZB-5msi

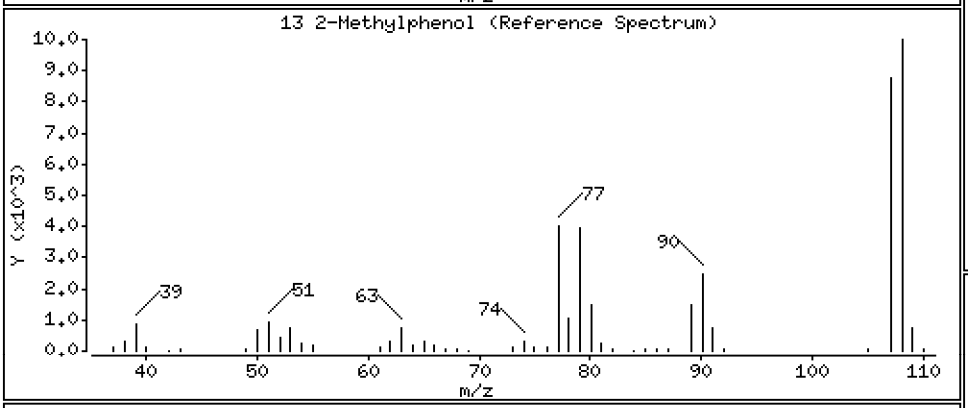
Column diameter: 0.25

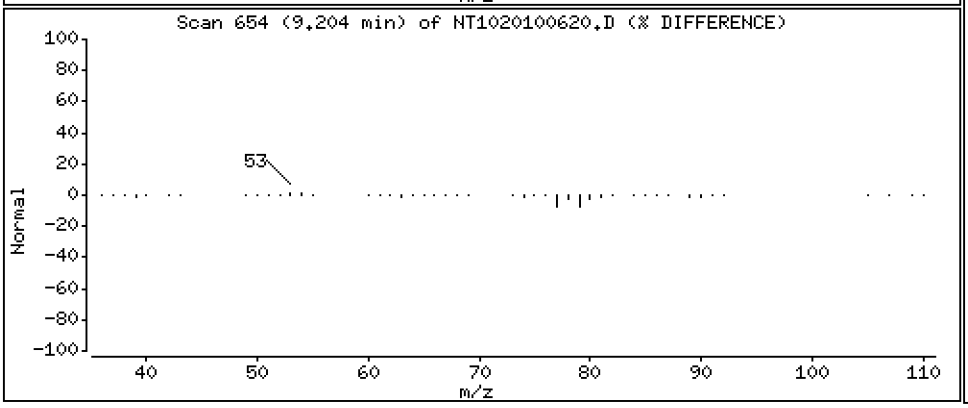
13 2-Methylphenol

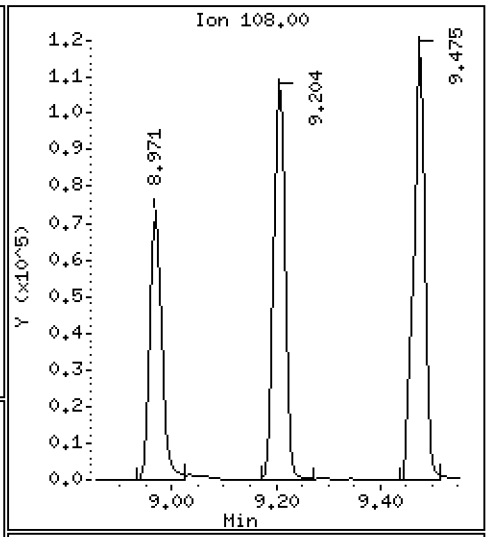
Concentration: 5.119 ug/mL

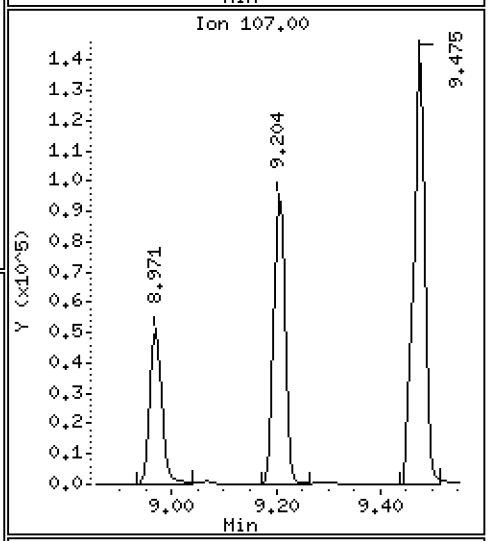


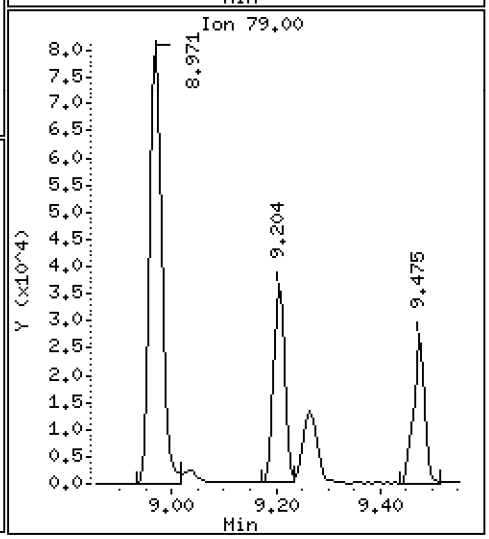












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

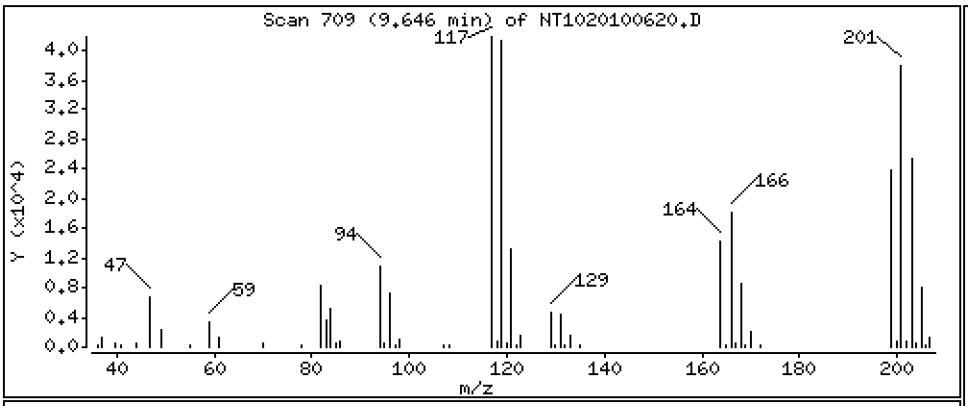
Operator: VTS

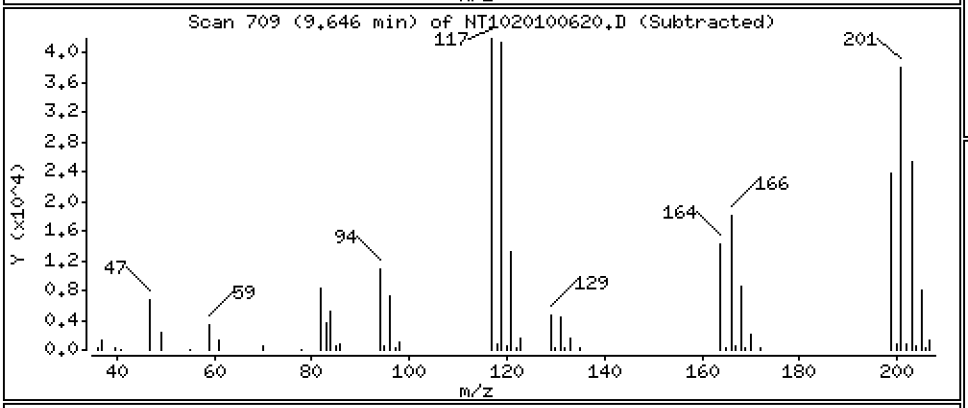
Column phase: ZB-5msi

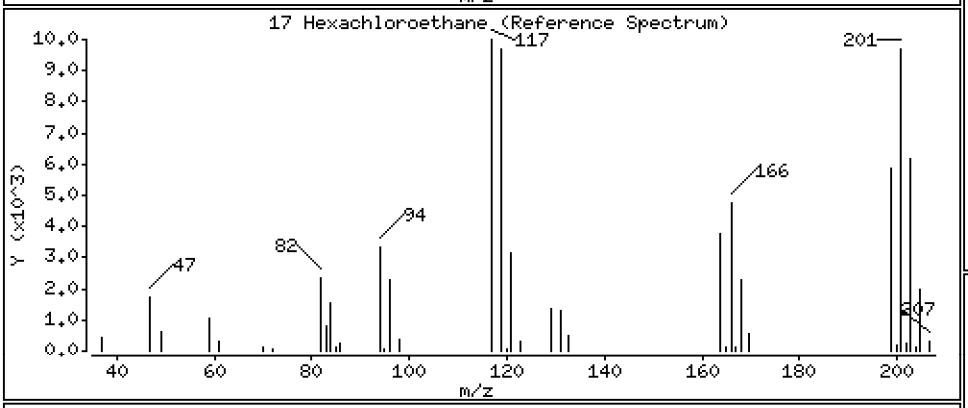
Column diameter: 0.25

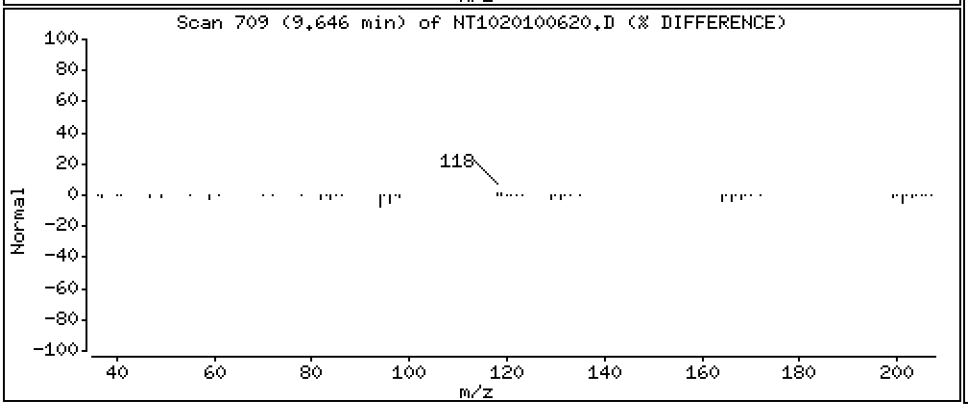
17 Hexachloroethane

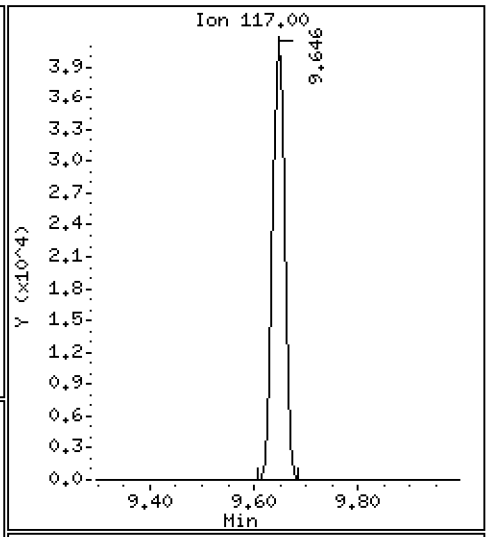
Concentration: 4.192 ug/mL

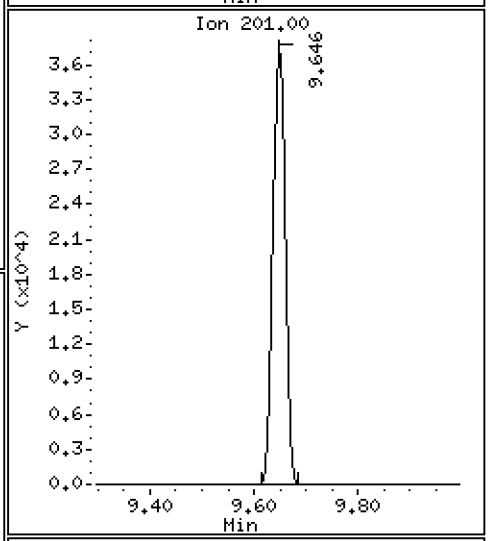


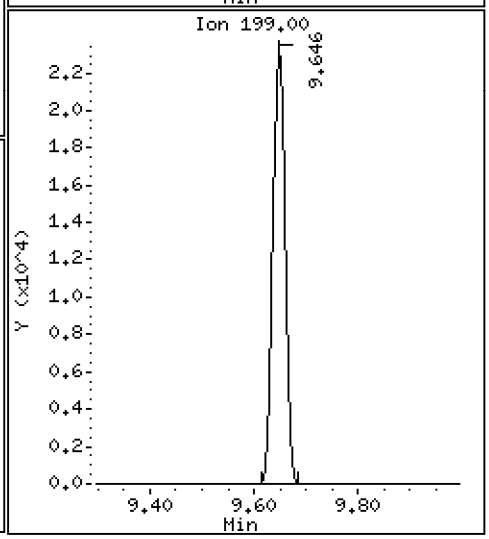












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

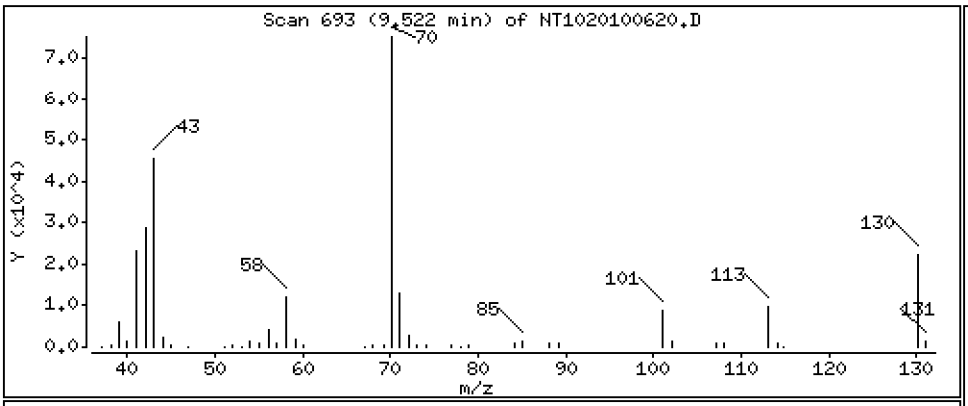
Operator: VTS

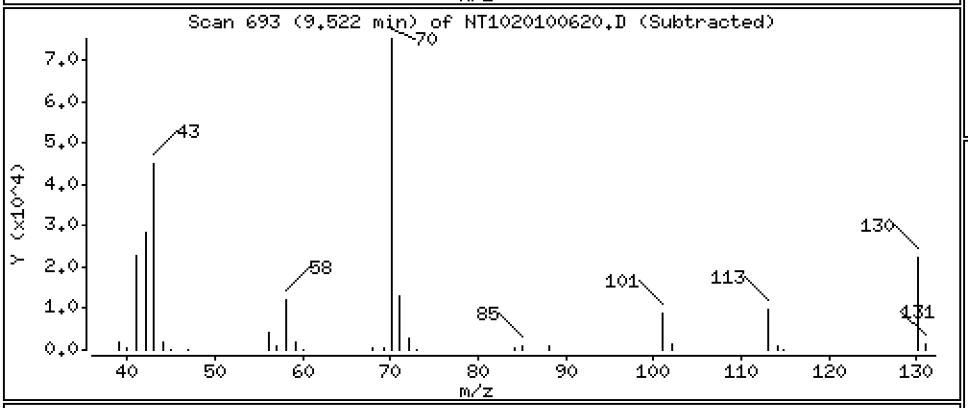
Column phase: ZB-5msi

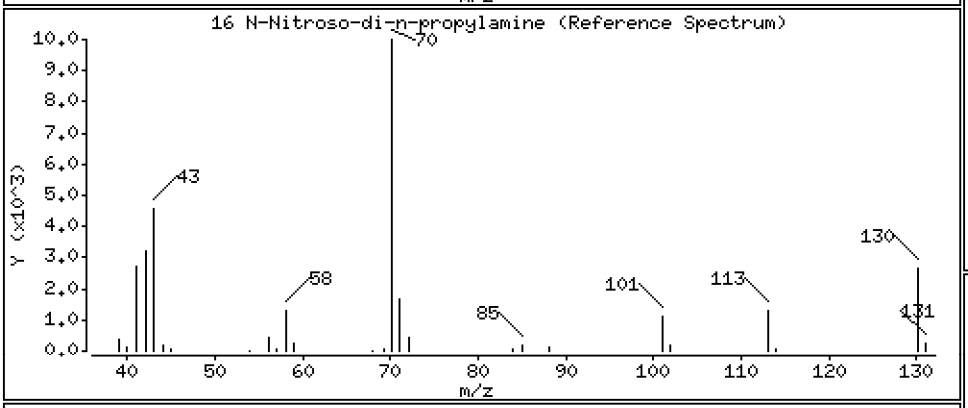
Column diameter: 0.25

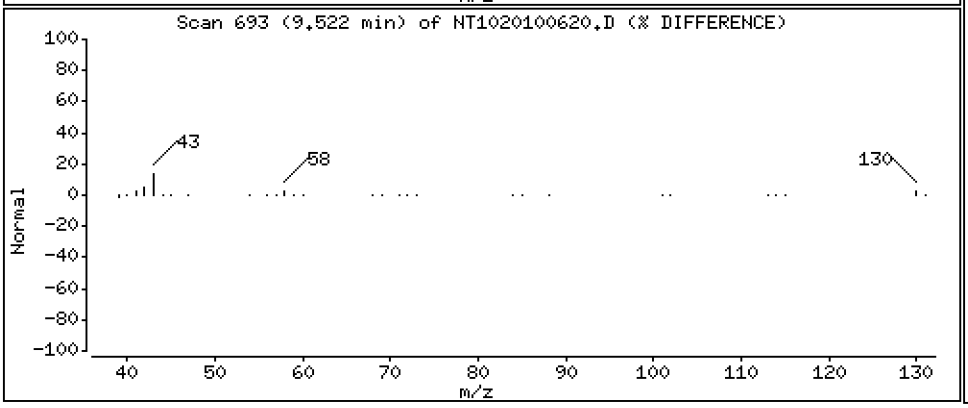
16 N-Nitroso-di-n-propylamine

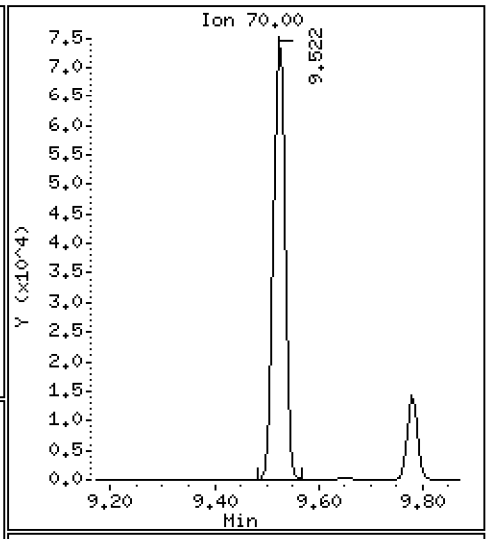
Concentration: 4.855 ug/mL

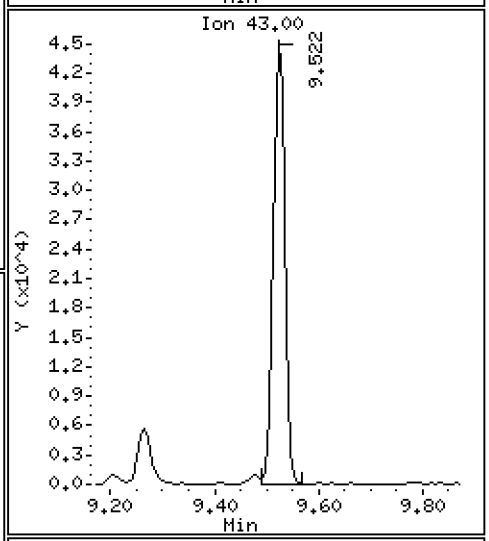


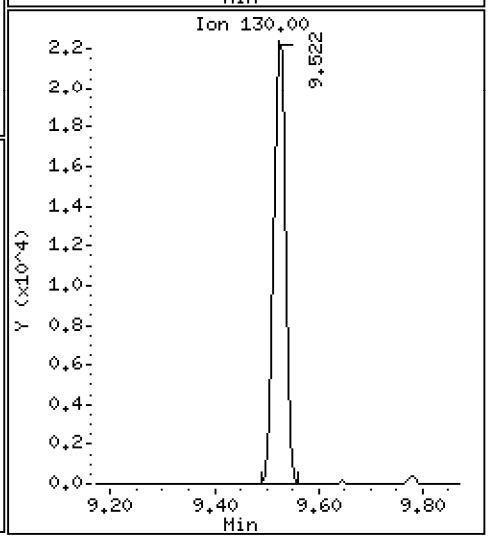












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

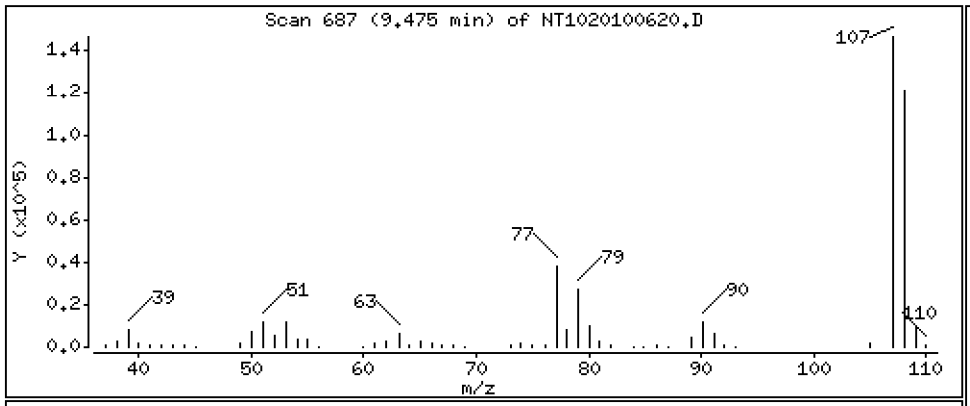
Operator: VTS

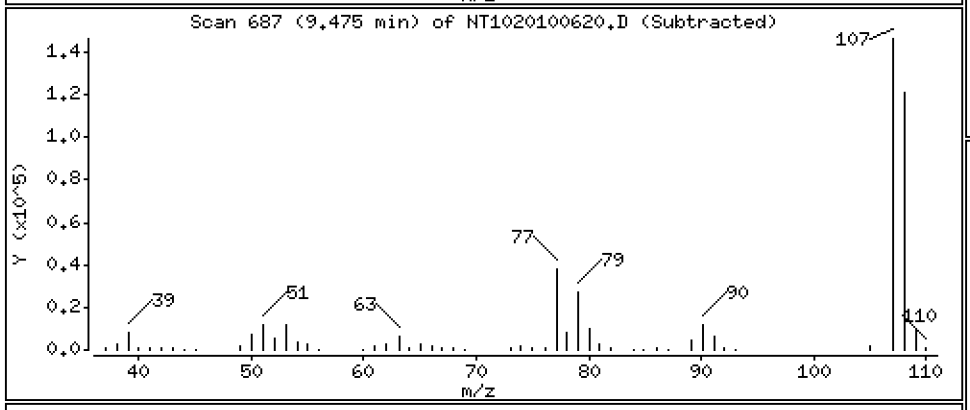
Column phase: ZB-5msi

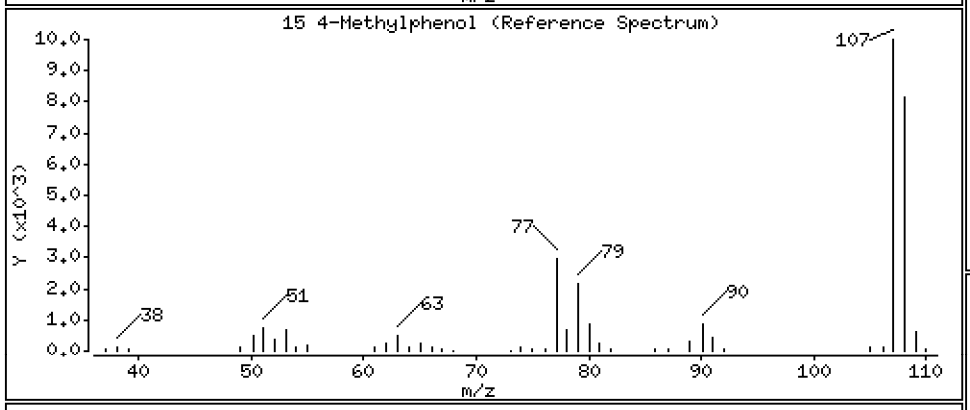
Column diameter: 0.25

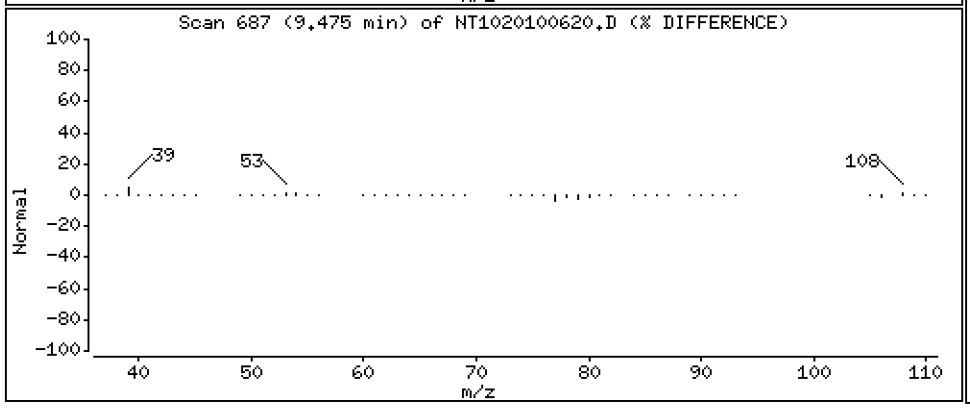
15 4-Methylphenol

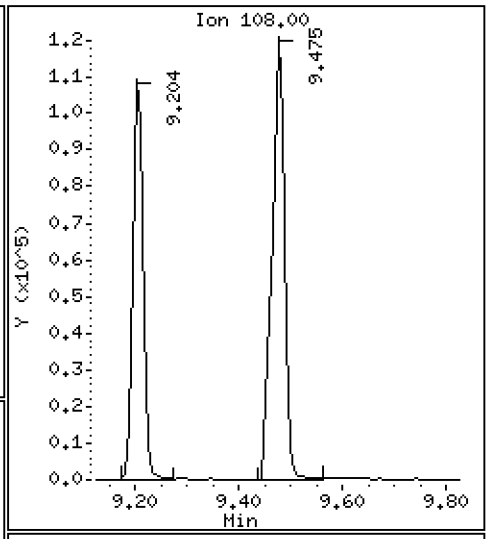
Concentration: 5.532 ug/mL

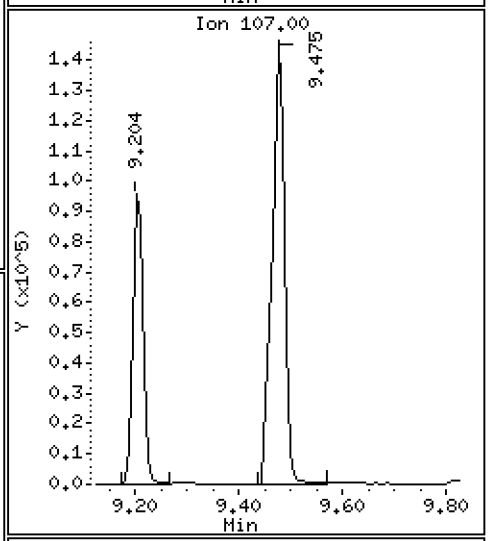


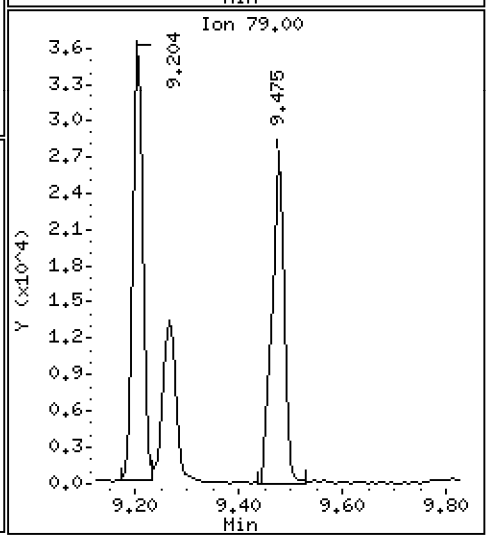












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

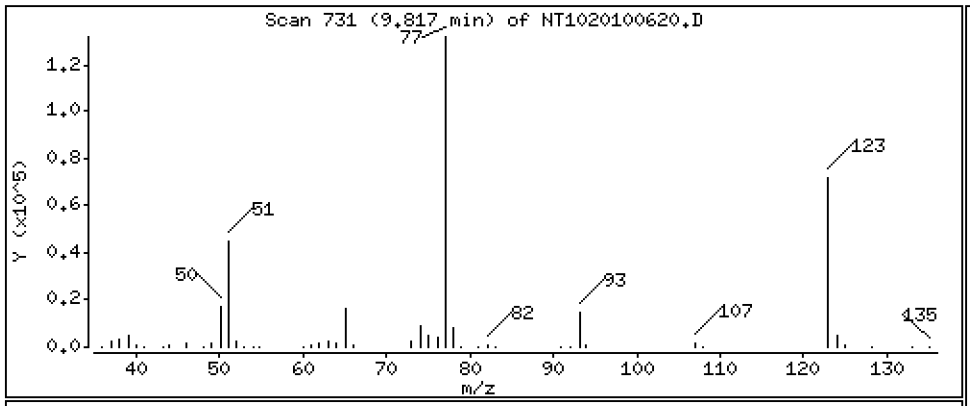
Operator: VTS

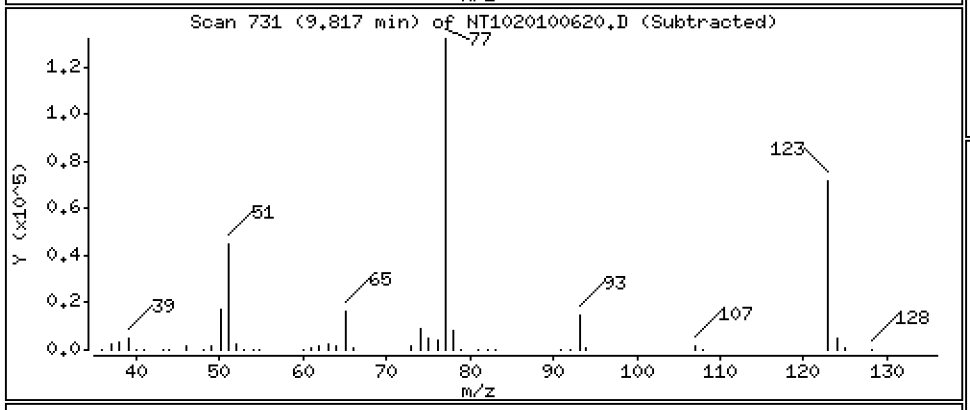
Column phase: ZB-5msi

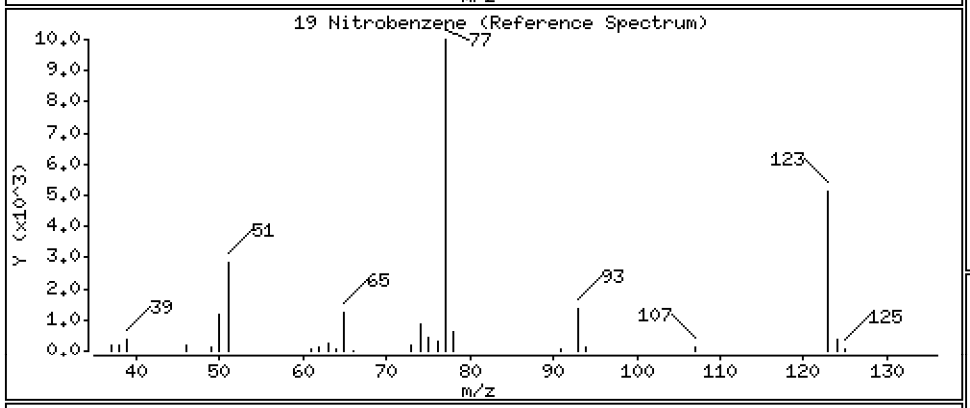
Column diameter: 0.25

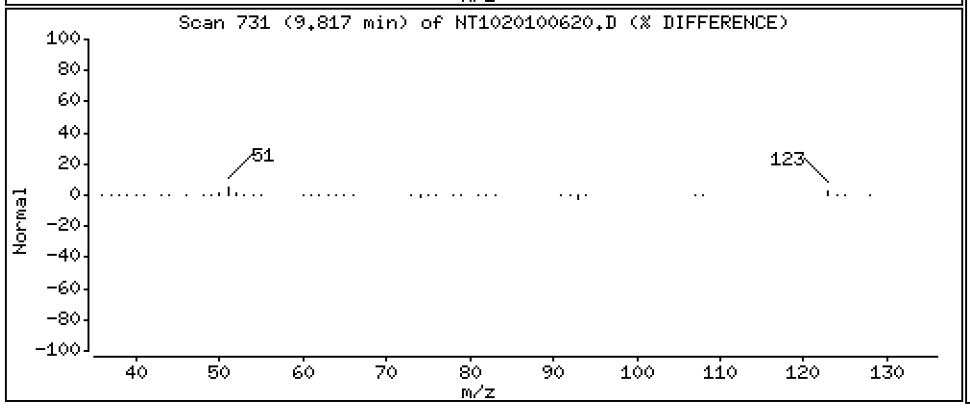
19 Nitrobenzene

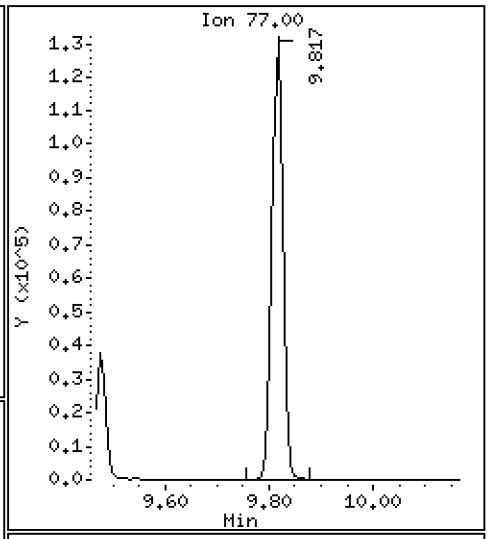
Concentration: 5.053 ug/mL

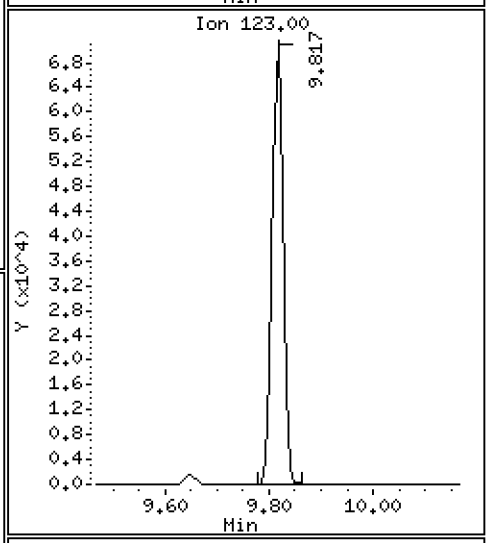


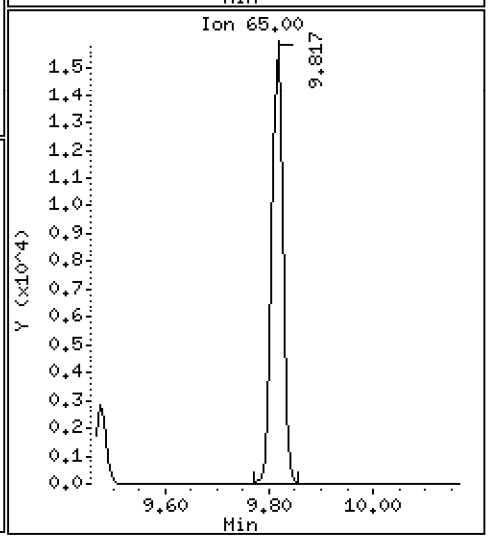












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

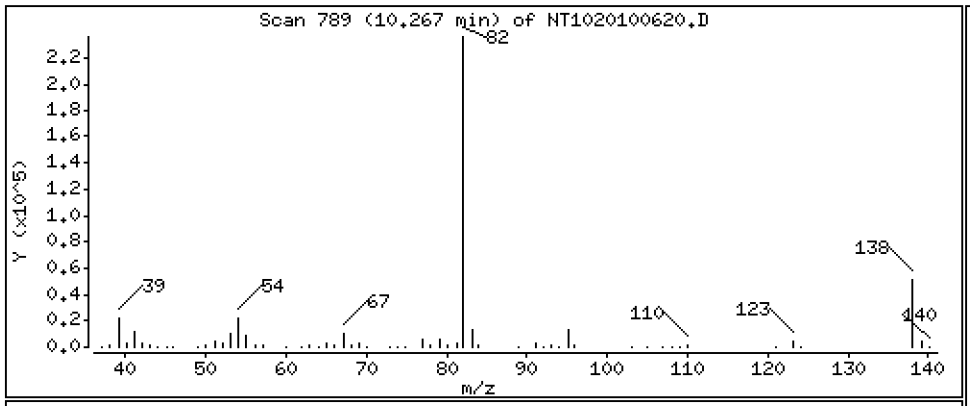
Operator: VTS

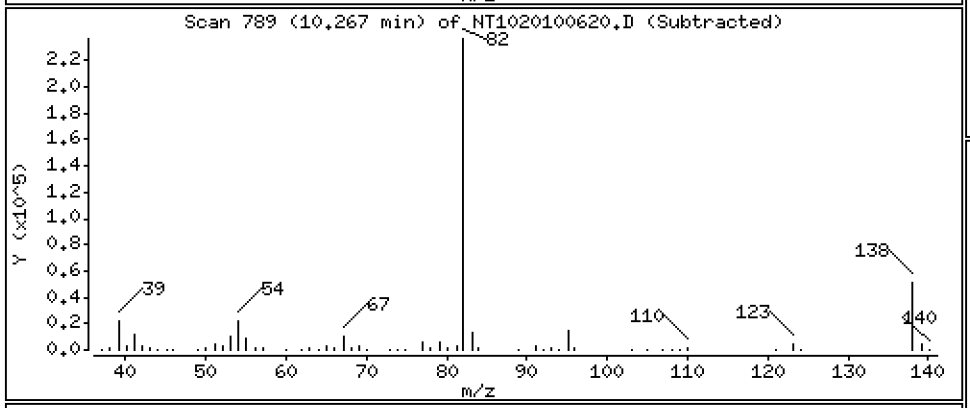
Column phase: ZB-5msi

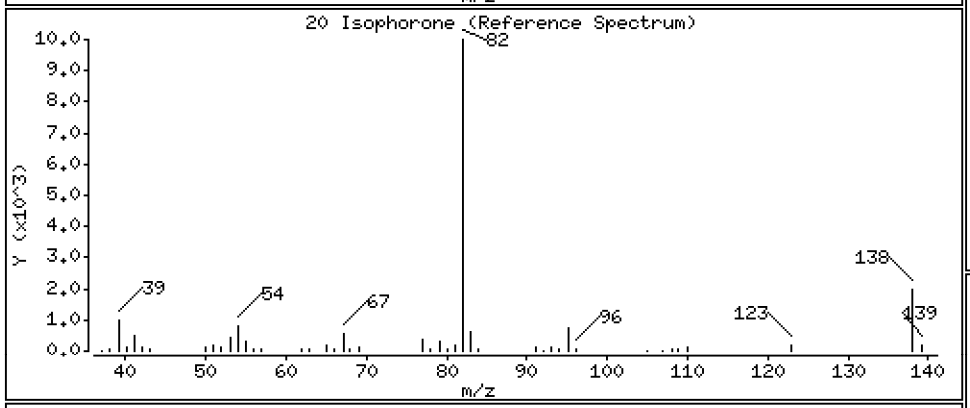
Column diameter: 0.25

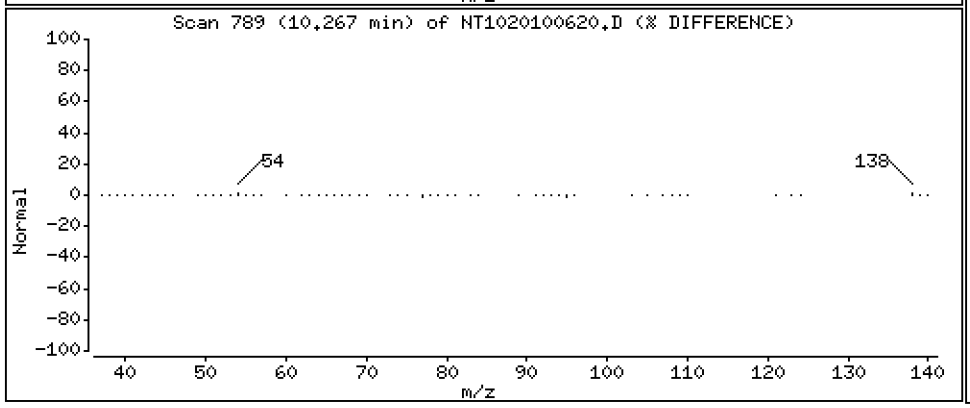
20 Isophorone

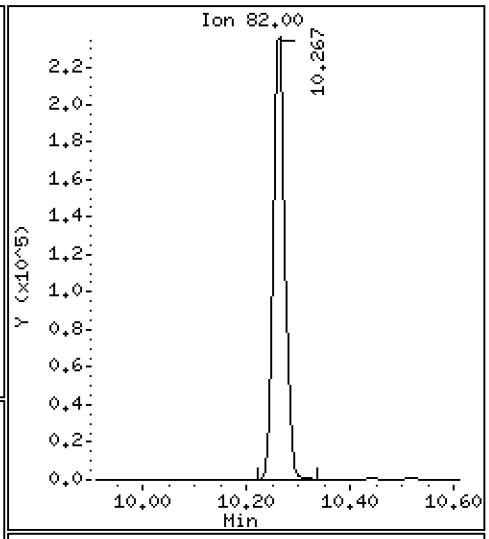
Concentration: 5.254 ug/mL

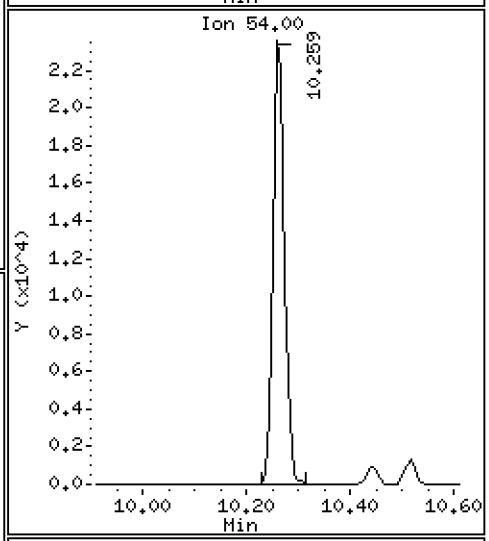


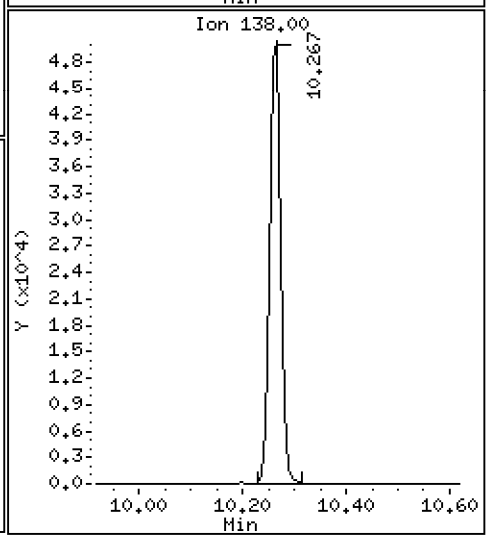












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

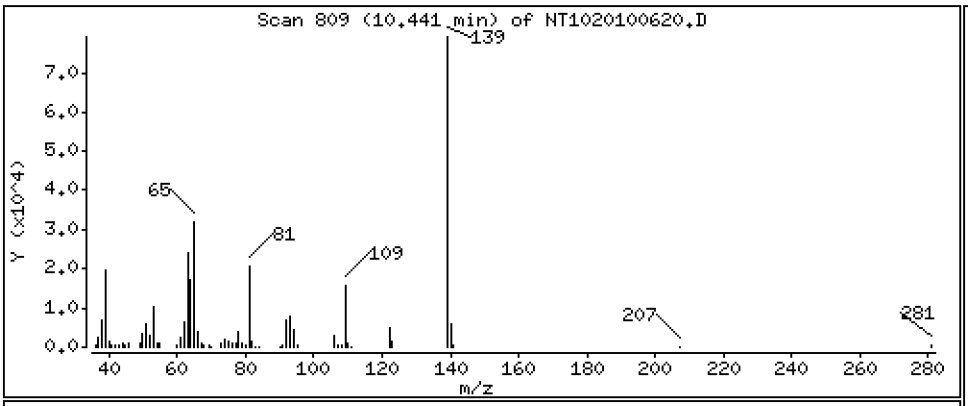
Operator: VTS

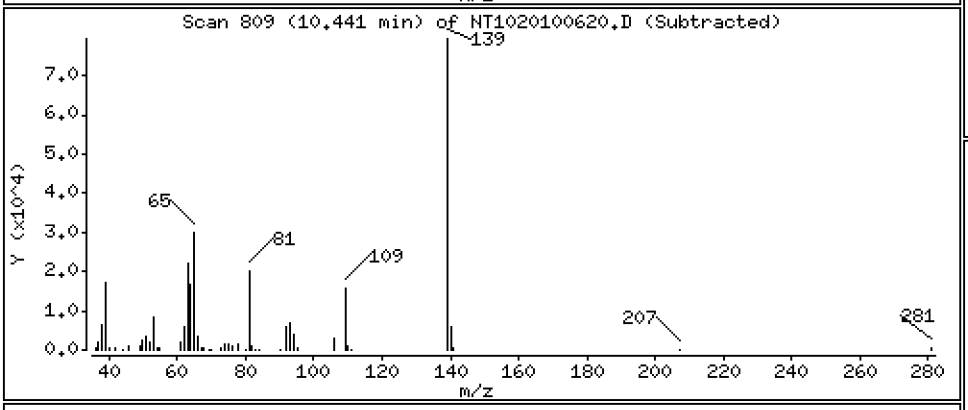
Column phase: ZB-5msi

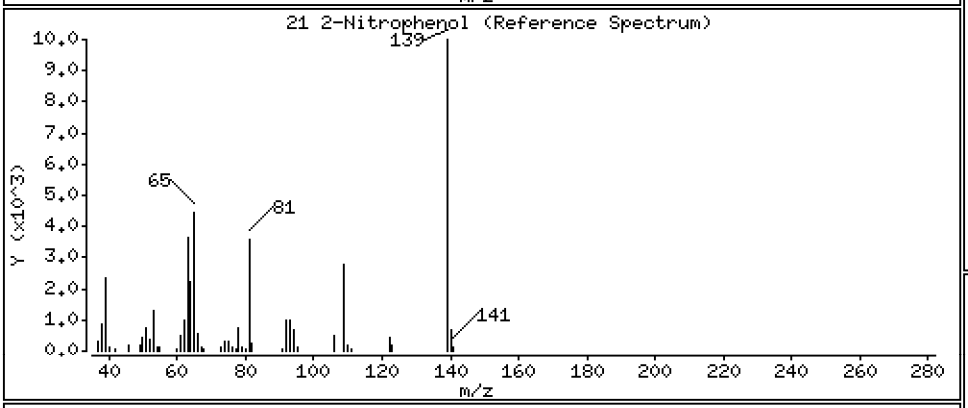
Column diameter: 0.25

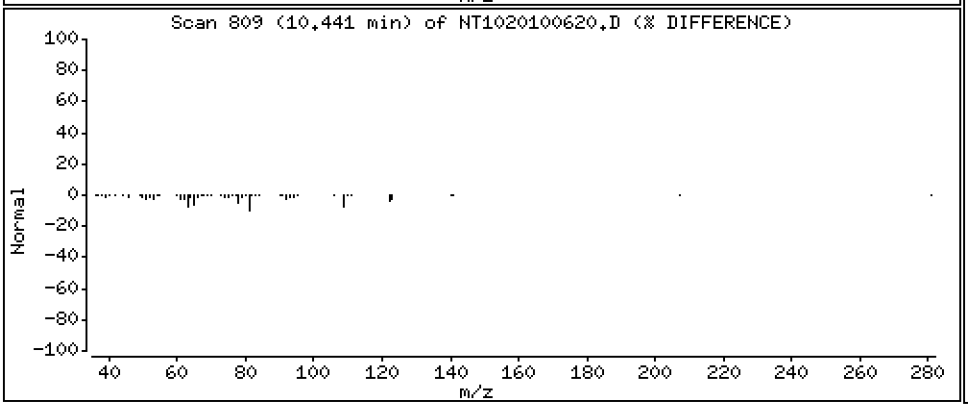
21 2-Nitrophenol

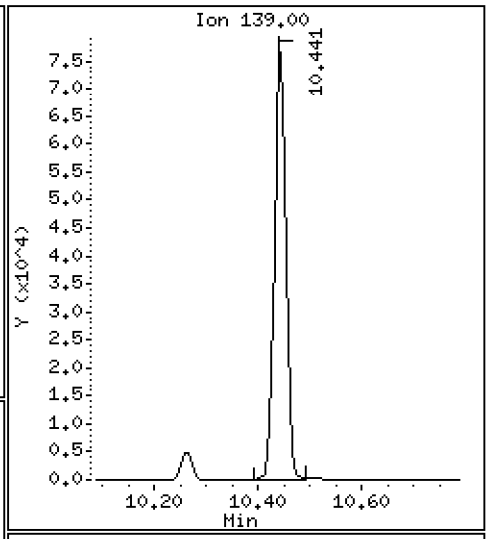
Concentration: 6.509 ug/mL

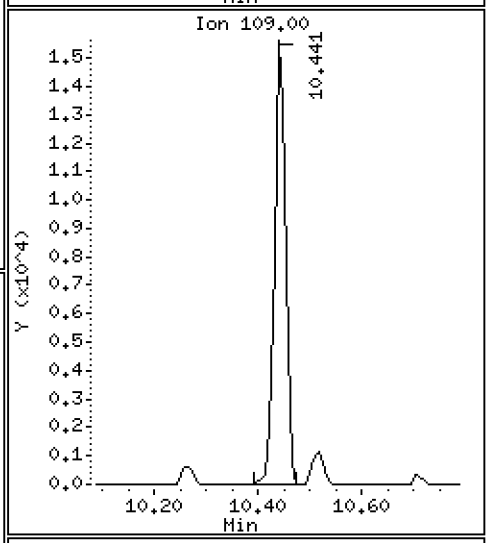


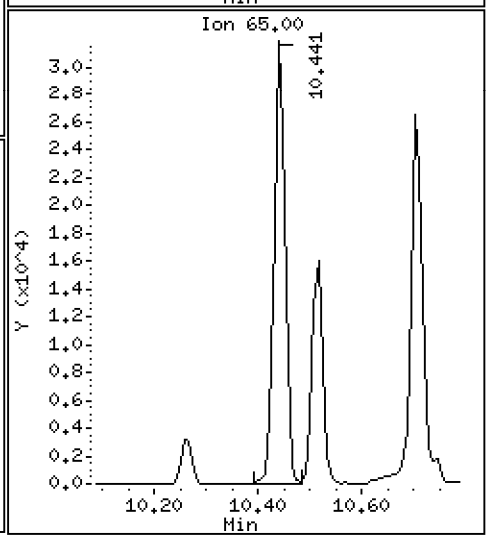












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

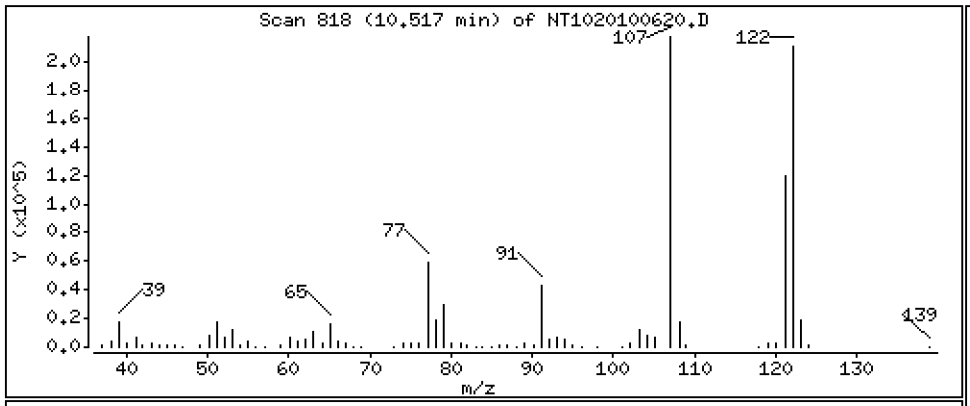
Operator: VTS

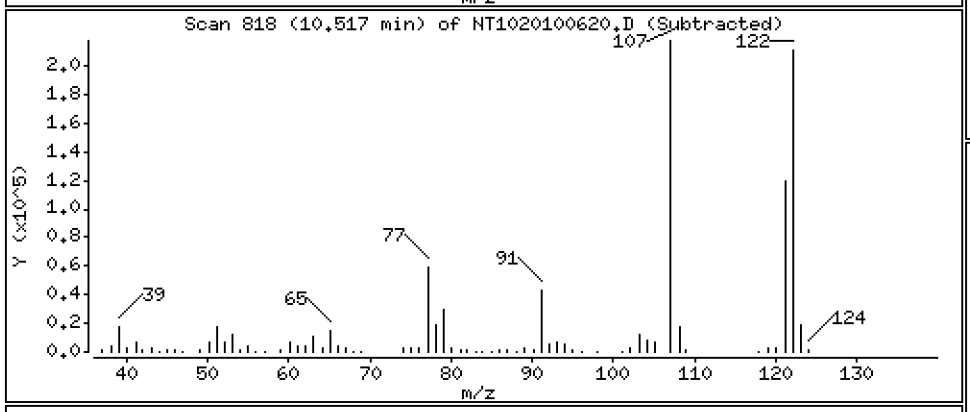
Column phase: ZB-5msi

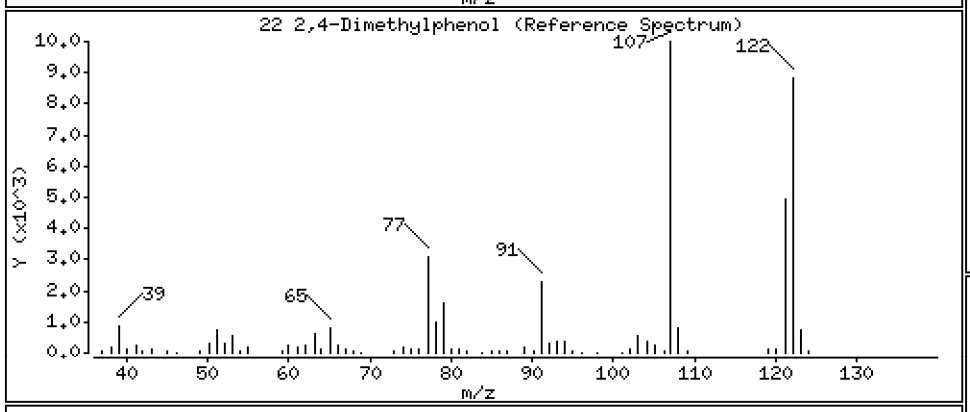
Column diameter: 0.25

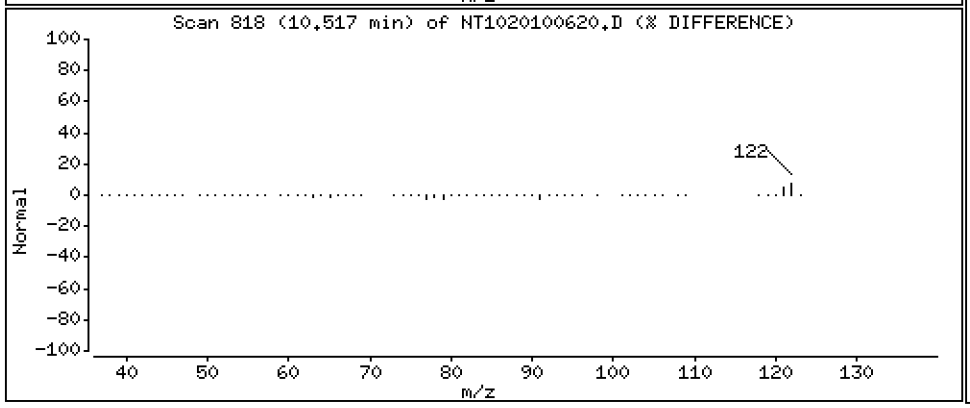
22 2,4-Dimethylphenol

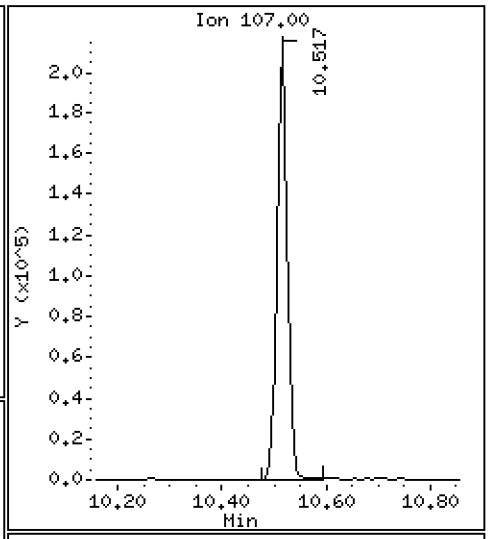
Concentration: 10.18 ug/mL

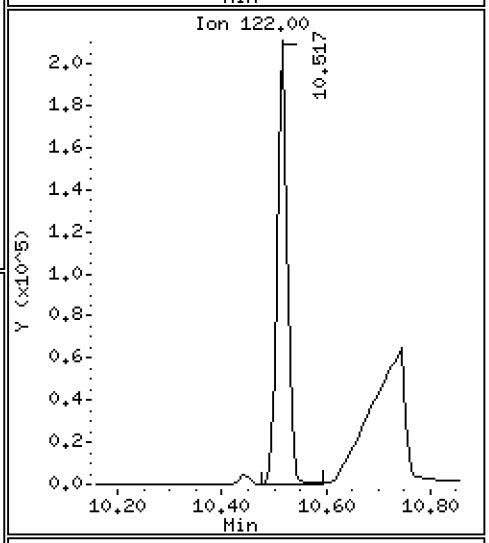


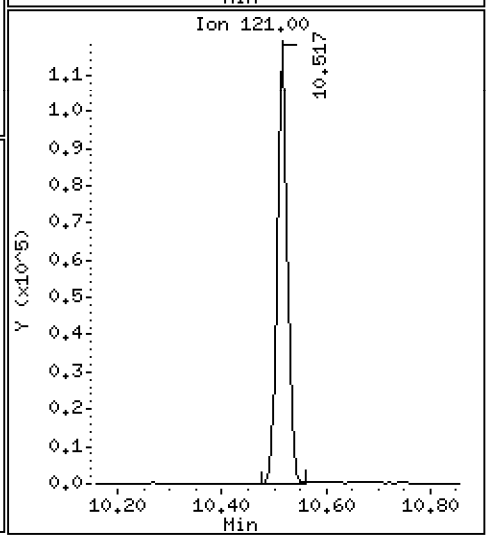












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

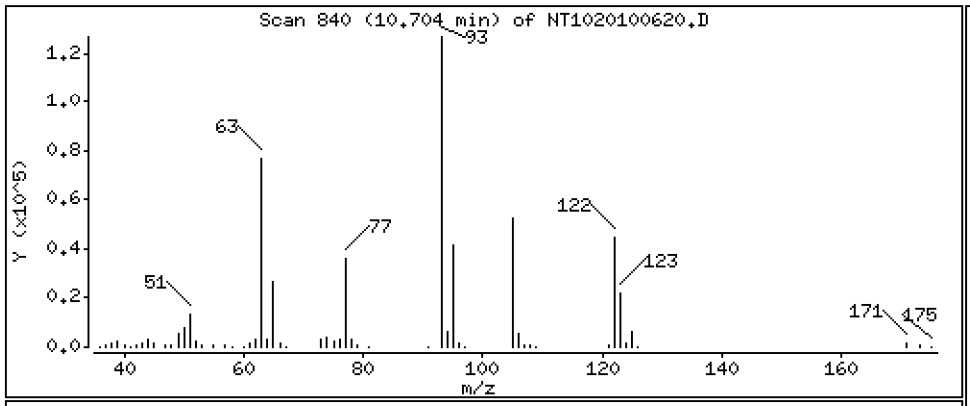
Operator: VTS

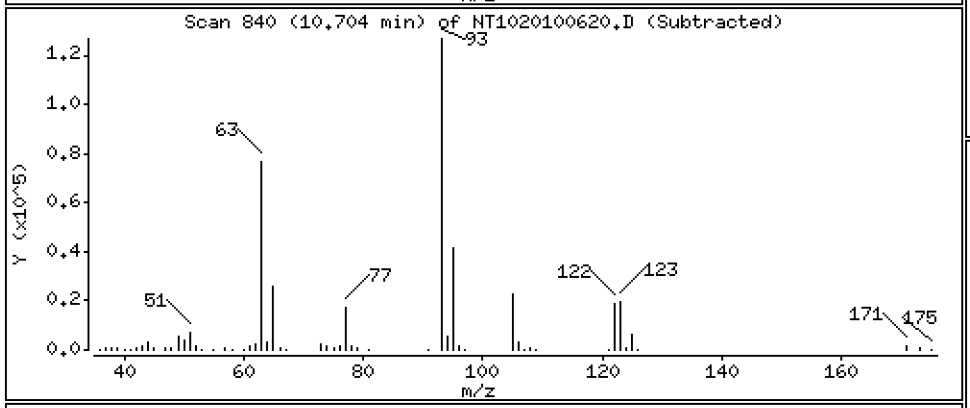
Column phase: ZB-5msi

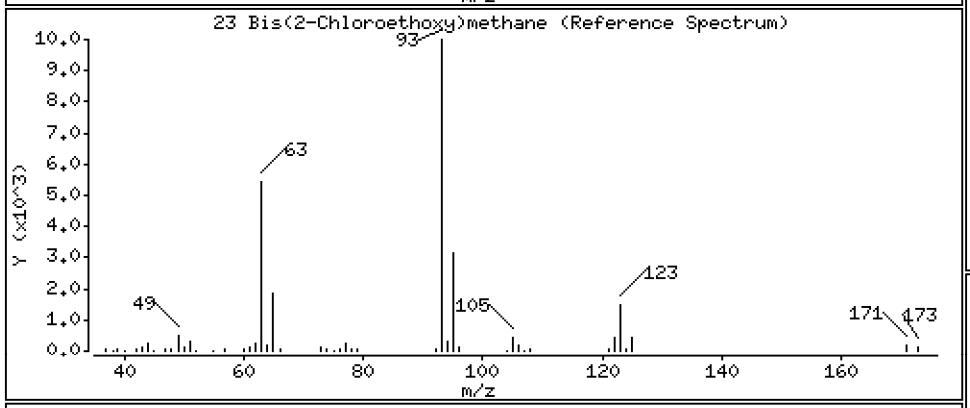
Column diameter: 0.25

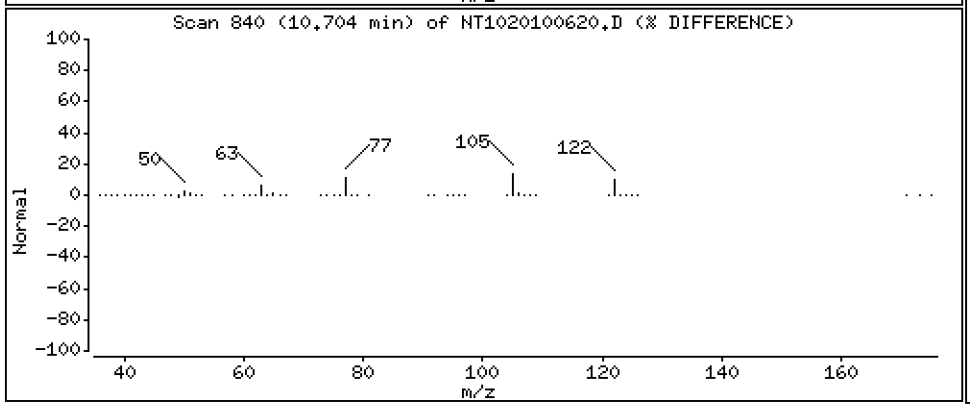
23 Bis(2-Chloroethoxy)methane

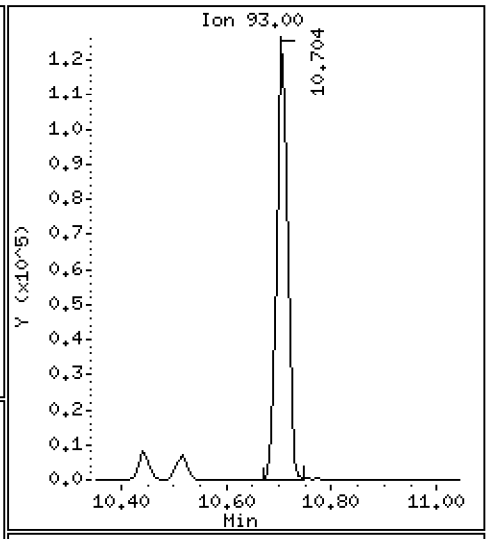
Concentration: 4.884 ug/mL

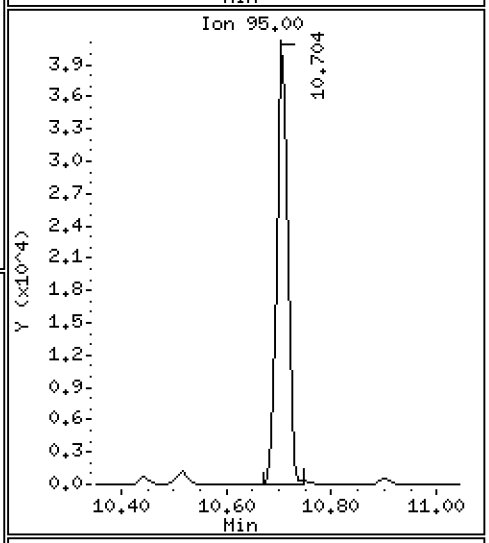


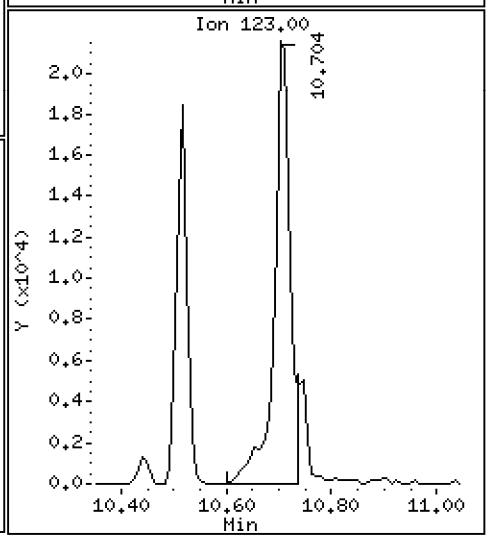












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

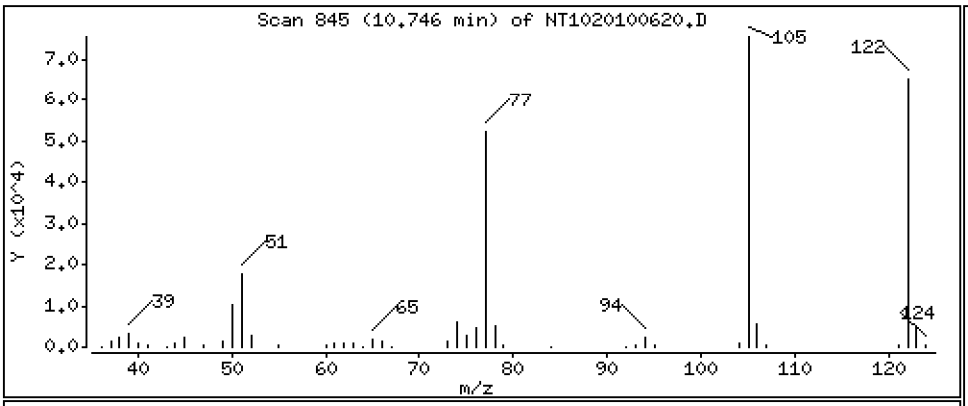
Operator: VTS

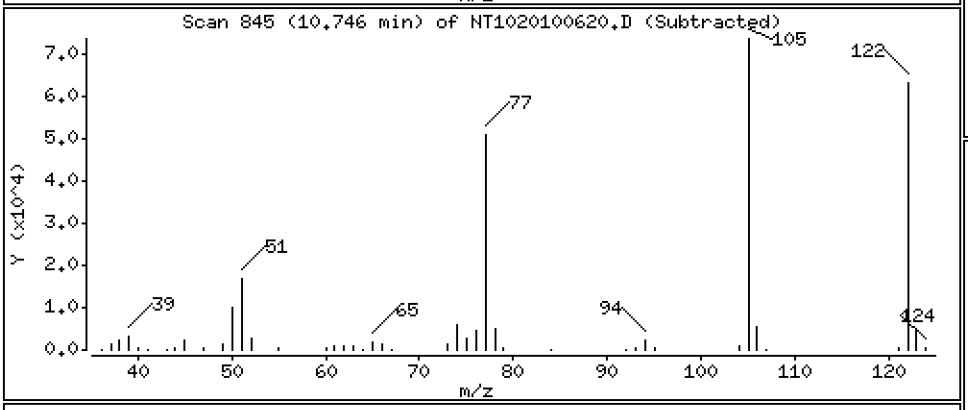
Column phase: ZB-5msi

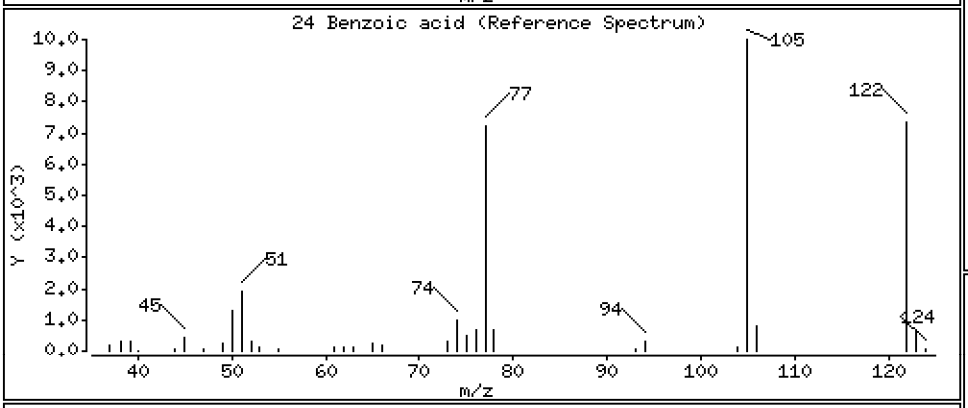
Column diameter: 0.25

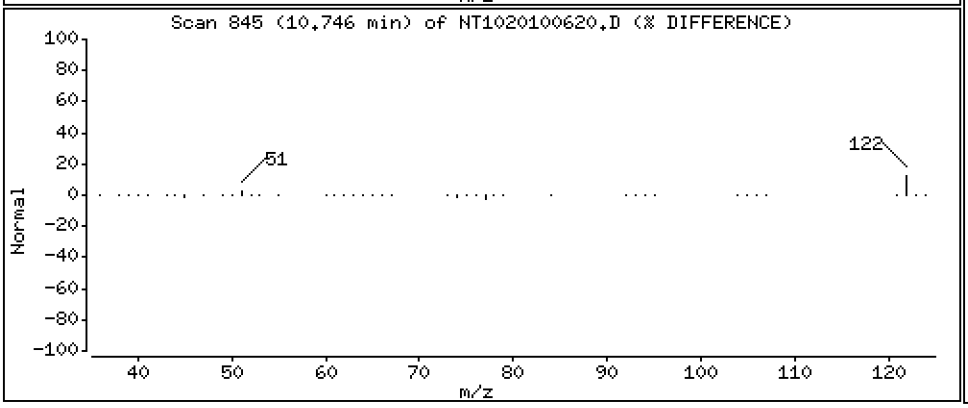
24 Benzoic acid

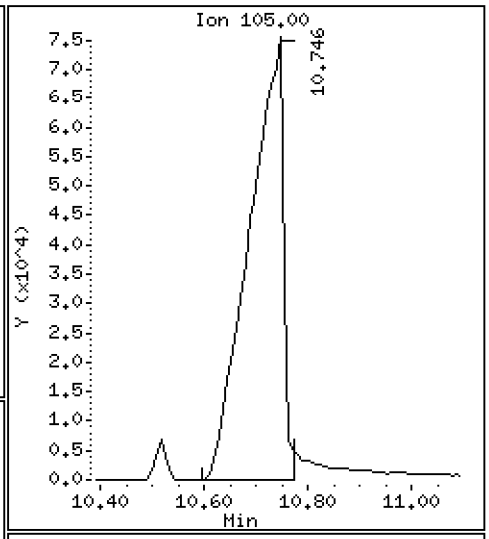
Concentration: 16.78 ug/mL

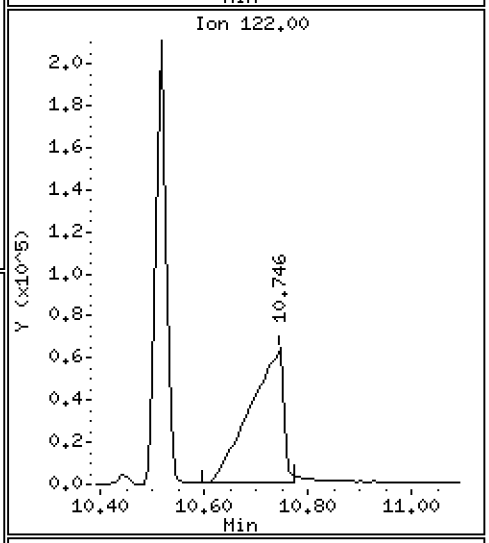


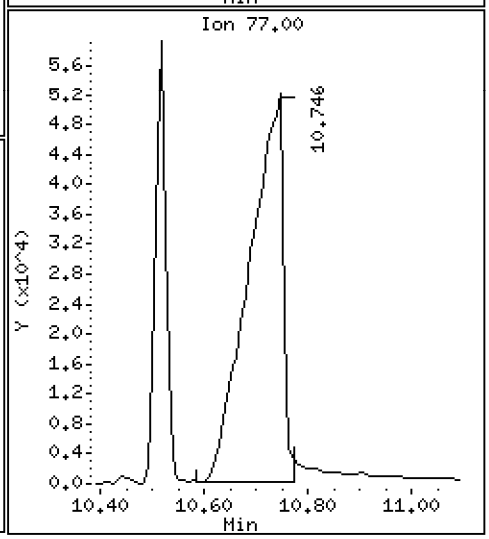












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

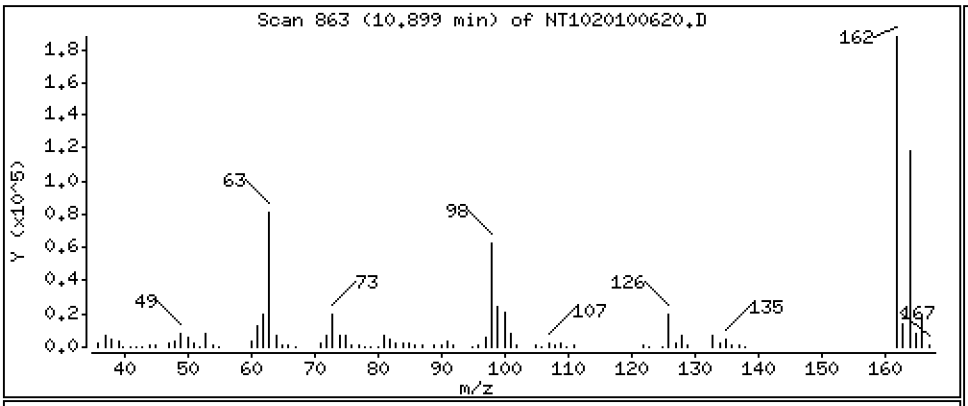
Operator: VTS

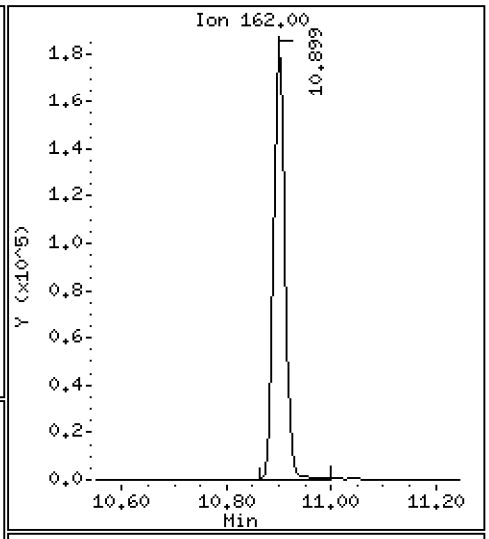
Column phase: ZB-5msi

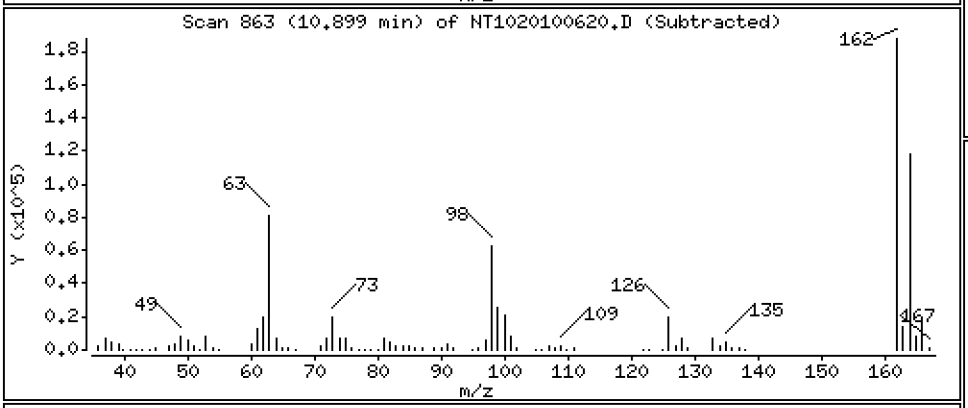
Column diameter: 0.25

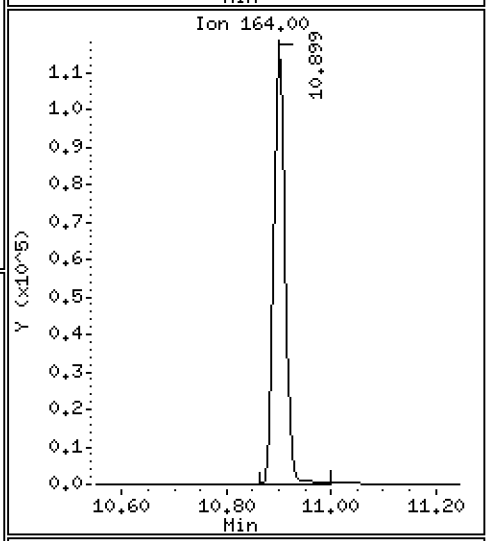
25 2,4-Dichlorophenol

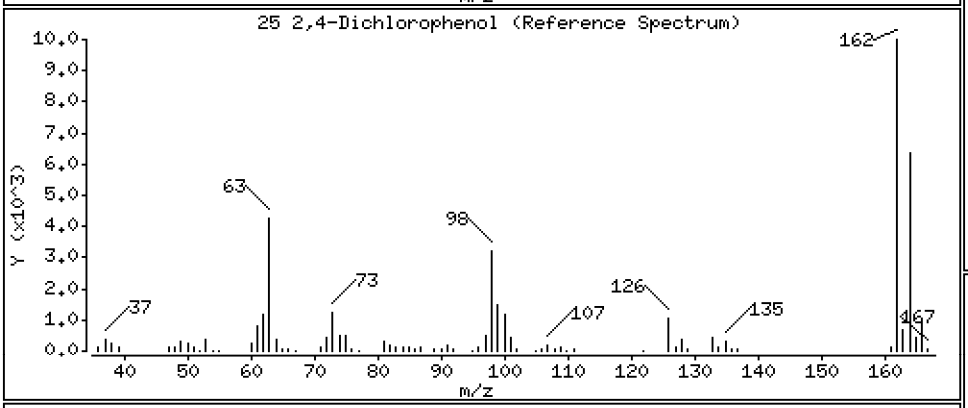
Concentration: 10.14 ug/mL

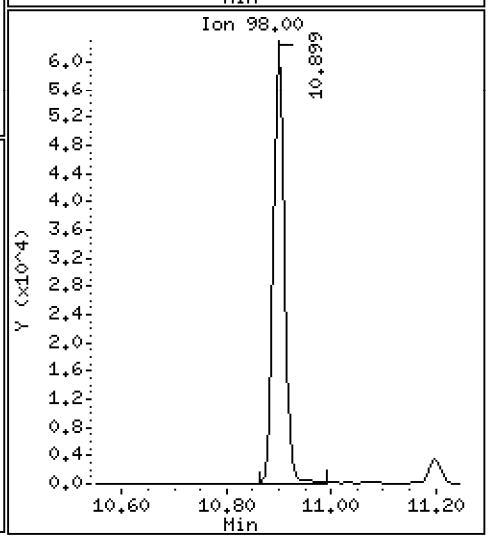


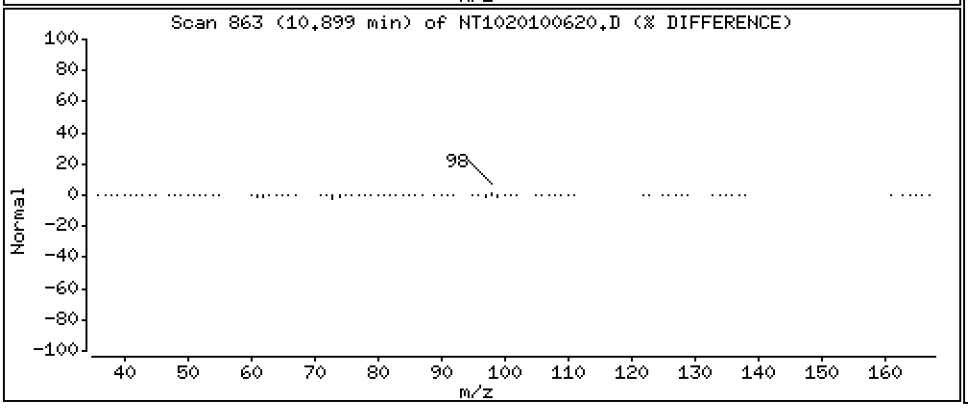












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

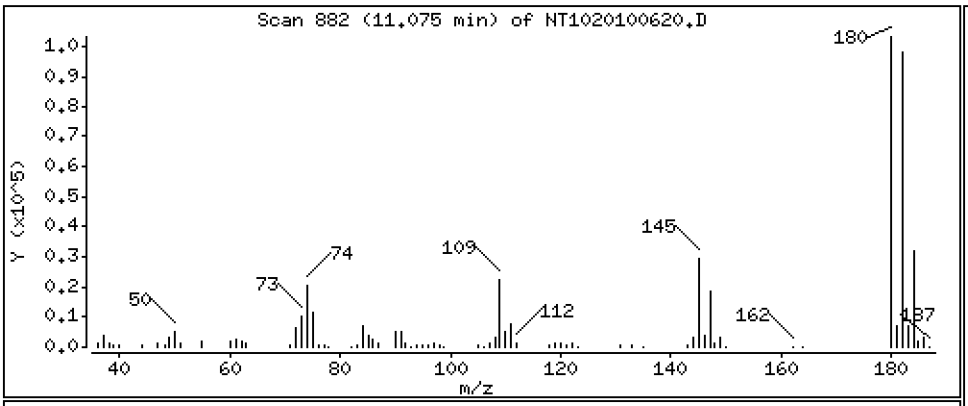
Operator: VTS

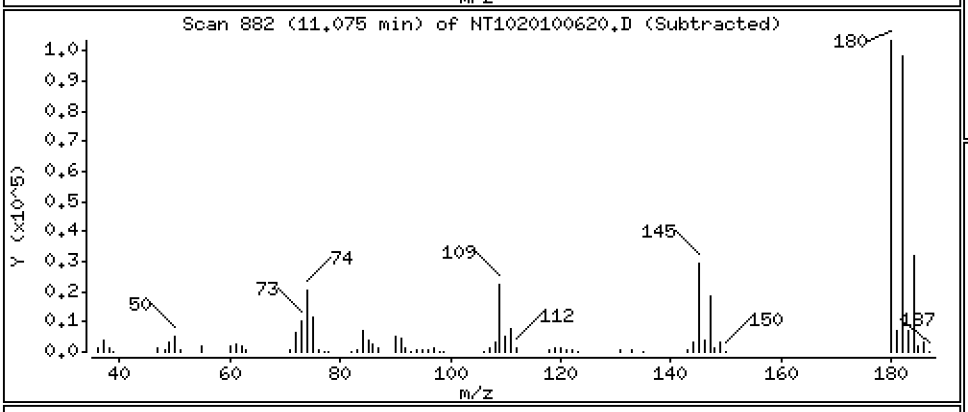
Column phase: ZB-5msi

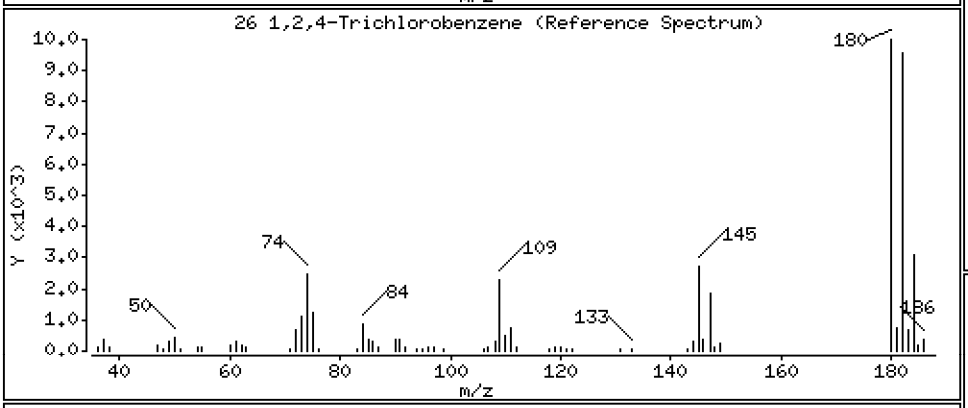
Column diameter: 0.25

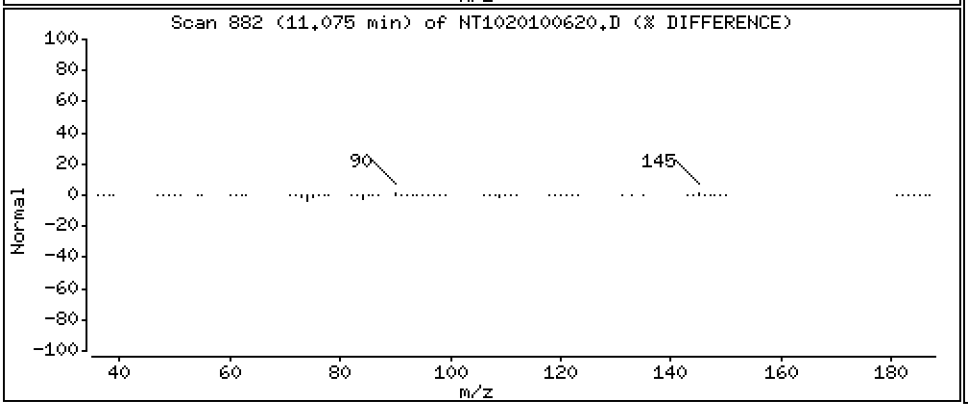
26 1,2,4-Trichlorobenzene

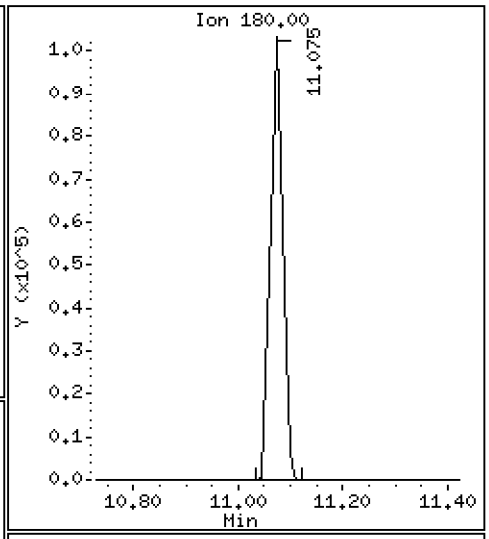
Concentration: 5.737 ug/mL

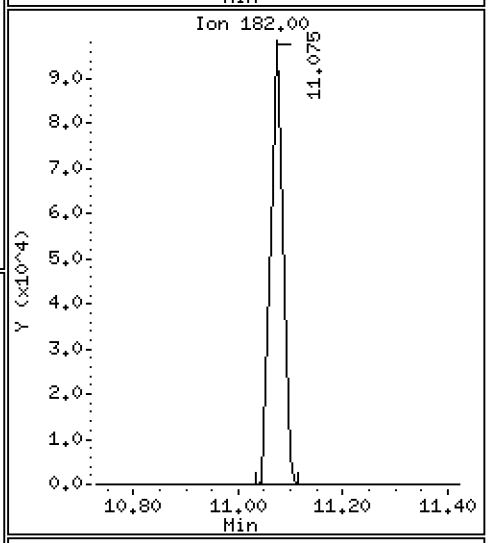


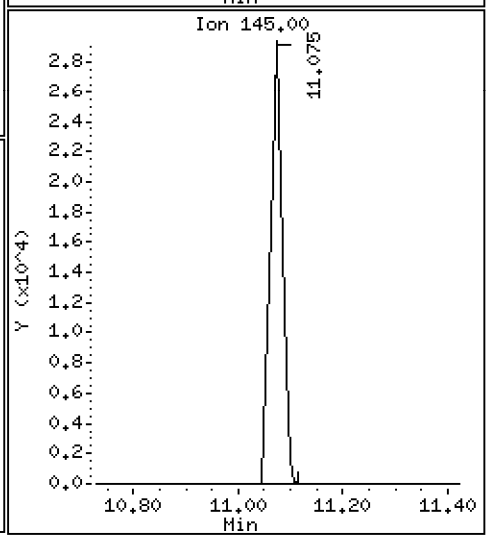












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

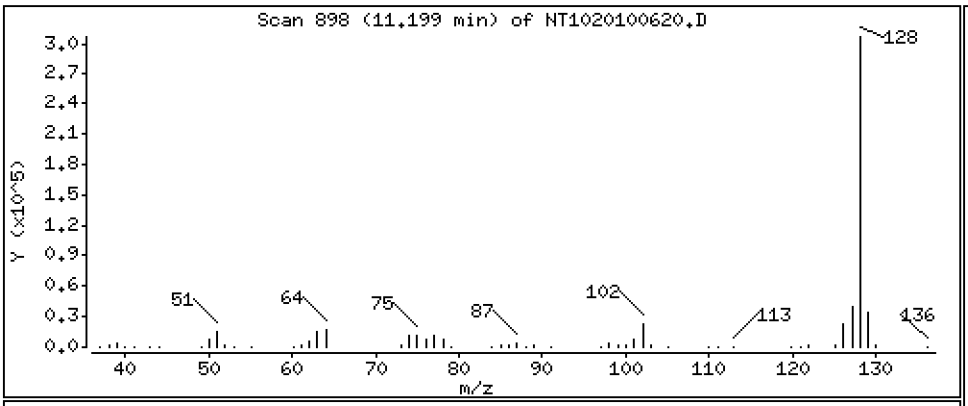
Operator: VTS

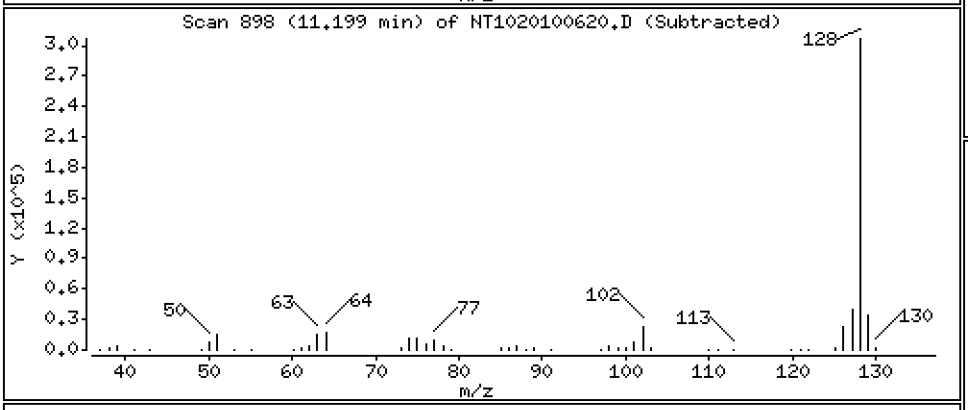
Column phase: ZB-5msi

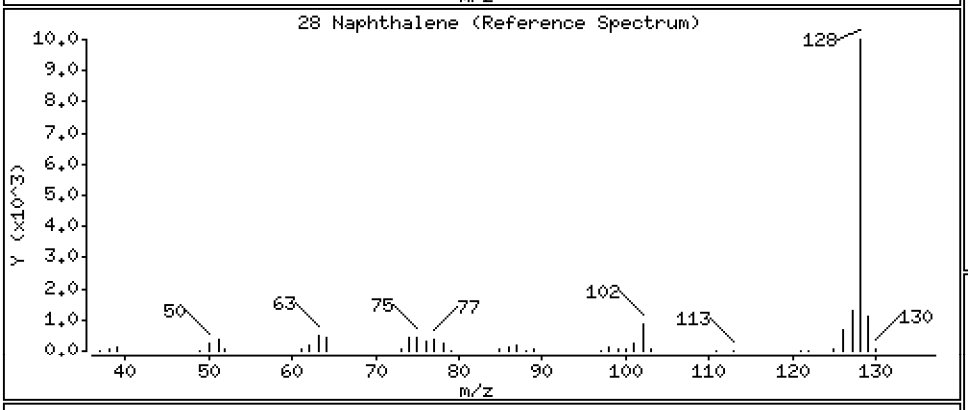
Column diameter: 0.25

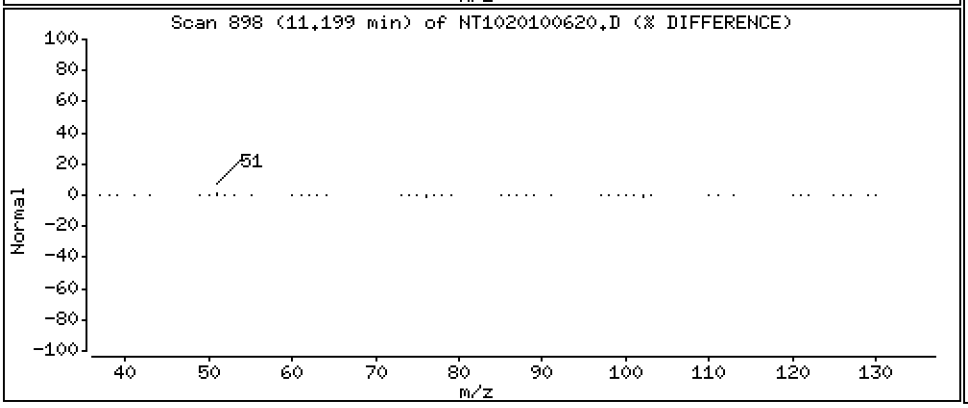
28 Naphthalene

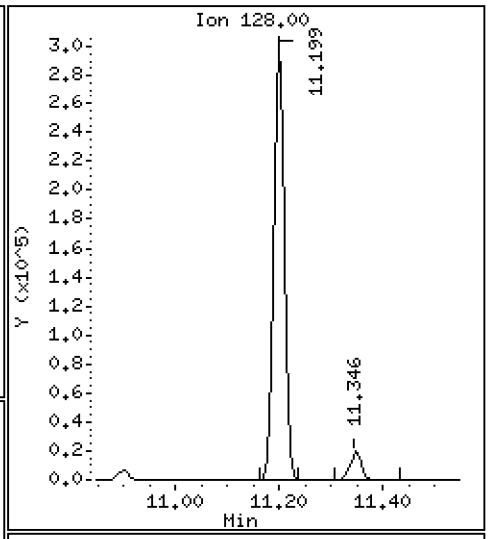
Concentration: 5.198 ug/mL

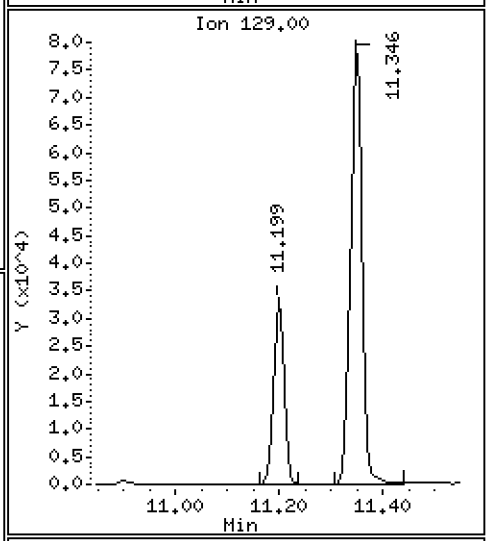


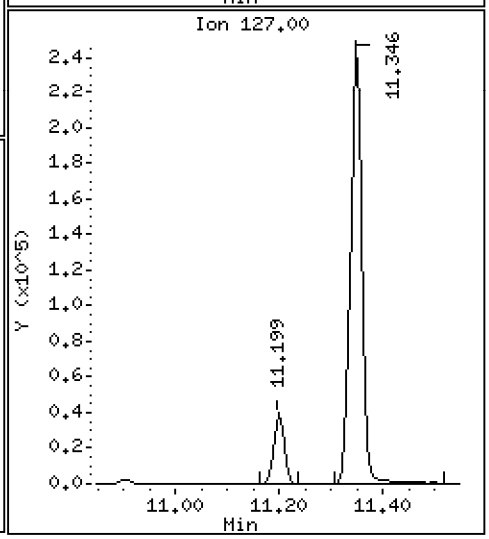












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

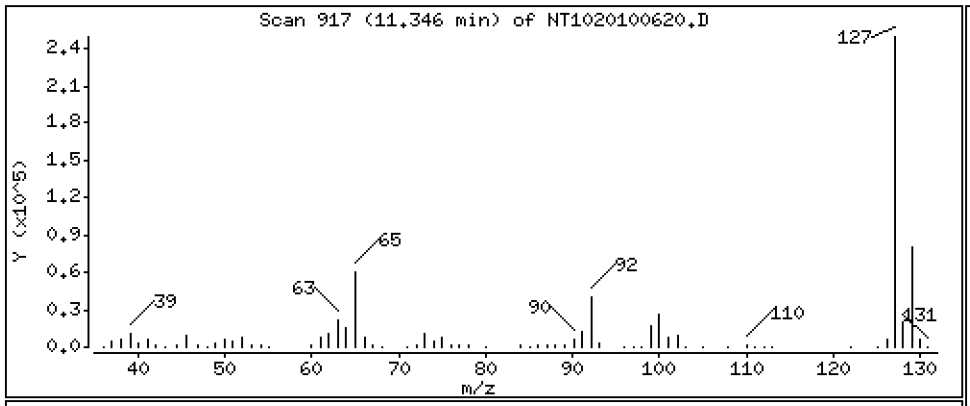
Operator: VTS

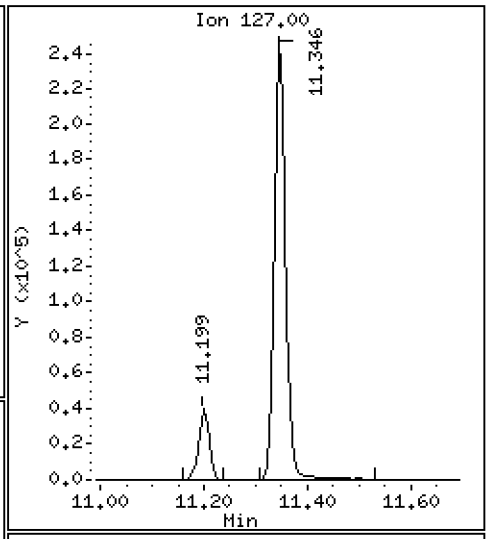
Column phase: ZB-5msi

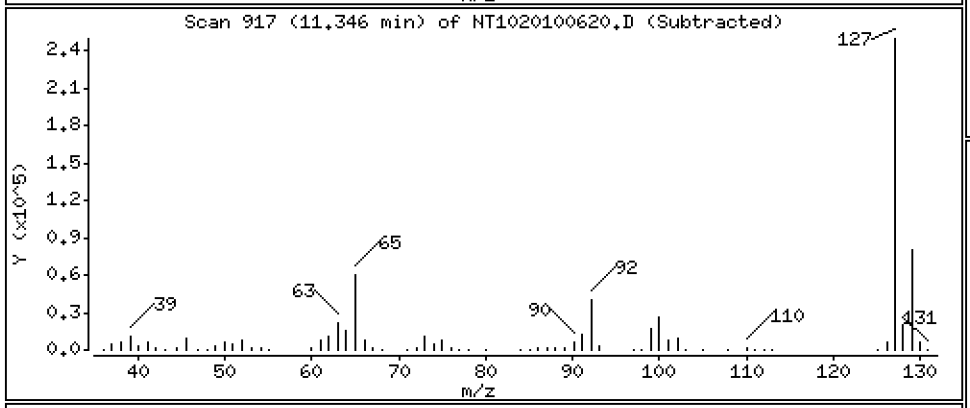
Column diameter: 0.25

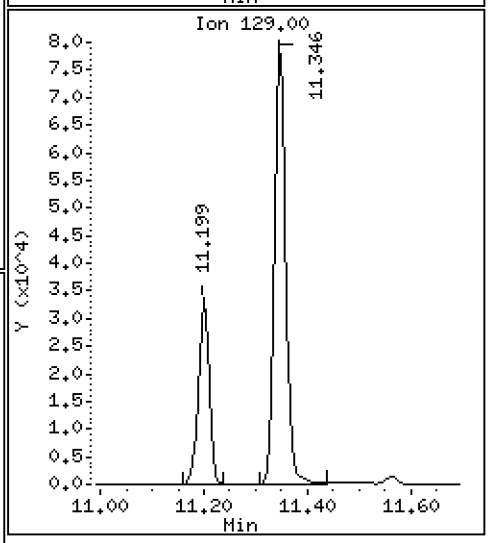
29 4-Chloroaniline

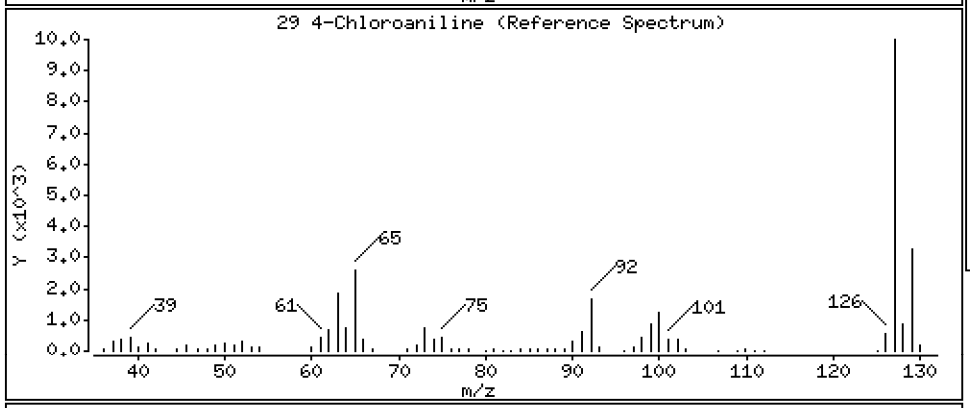
Concentration: 11.34 ug/mL

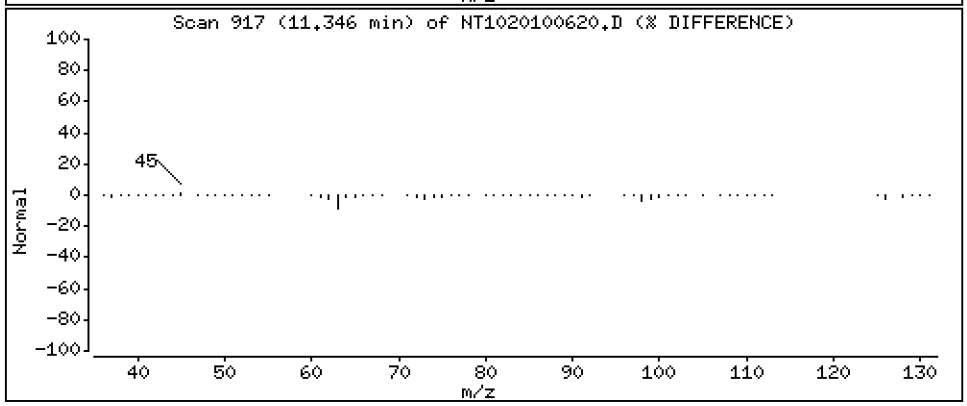












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

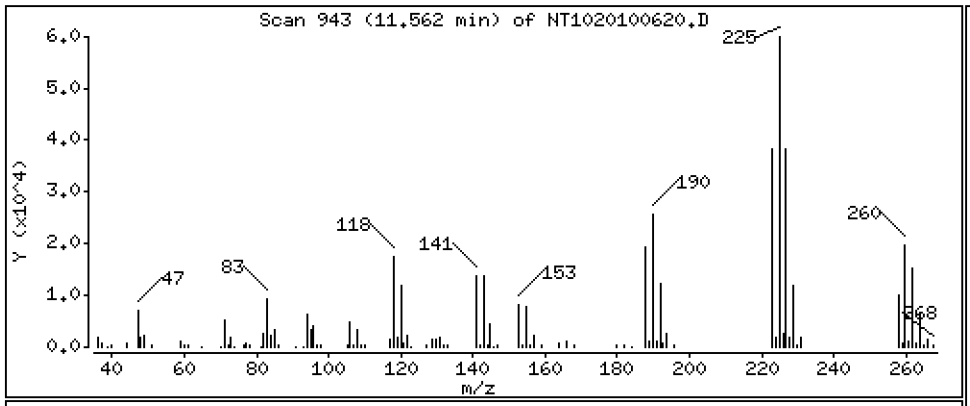
Operator: VTS

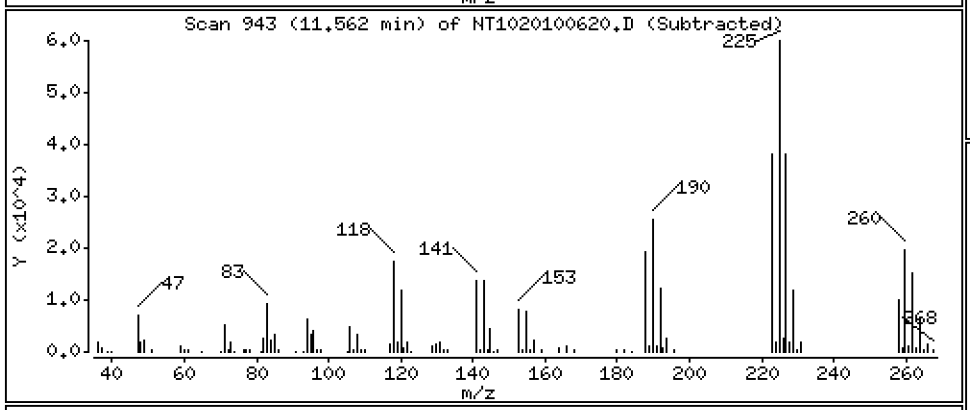
Column phase: ZB-5msi

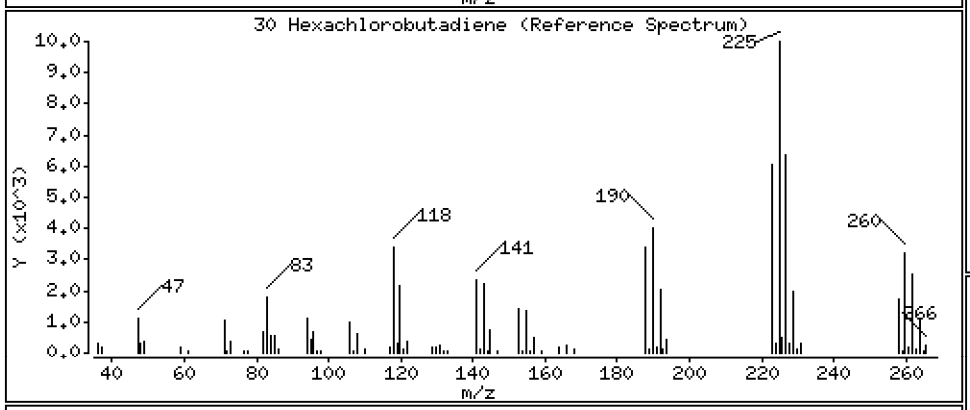
Column diameter: 0.25

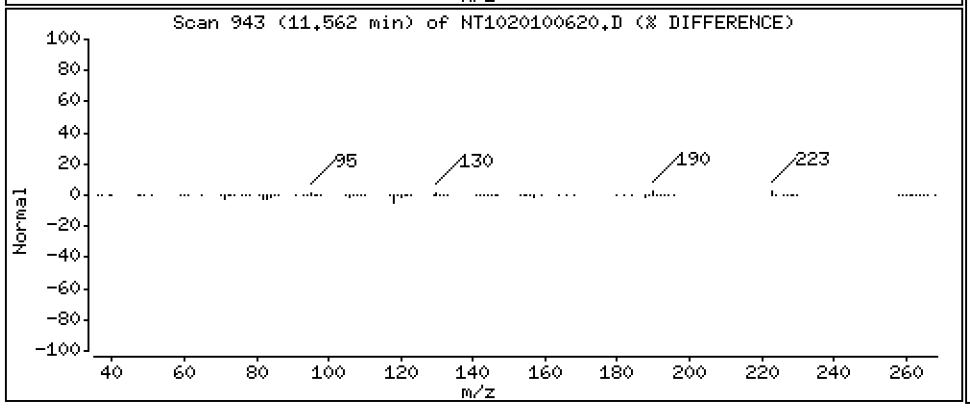
30 Hexachlorobutadiene

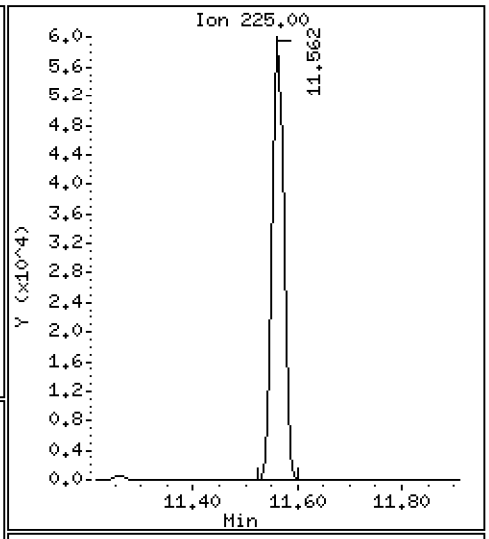
Concentration: 5.342 ug/mL

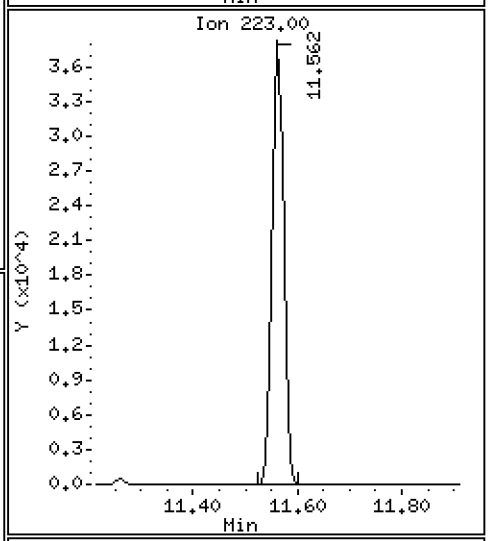


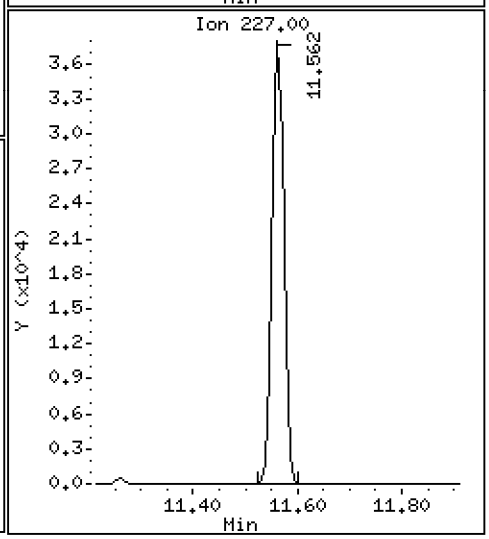












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

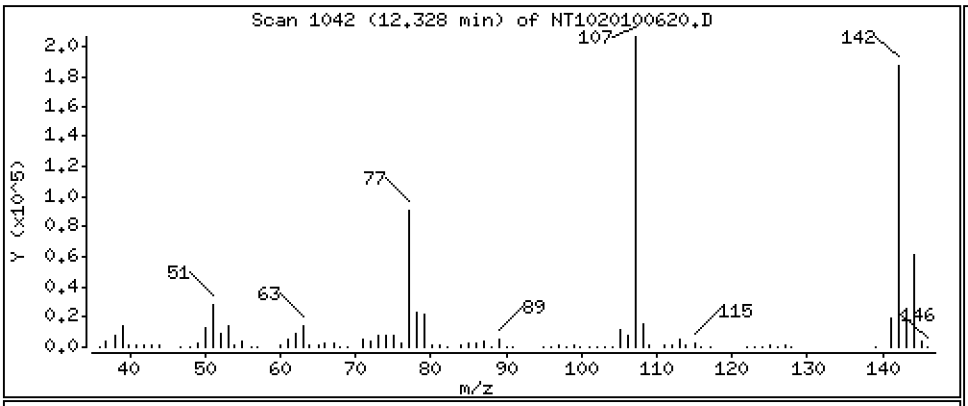
Operator: VTS

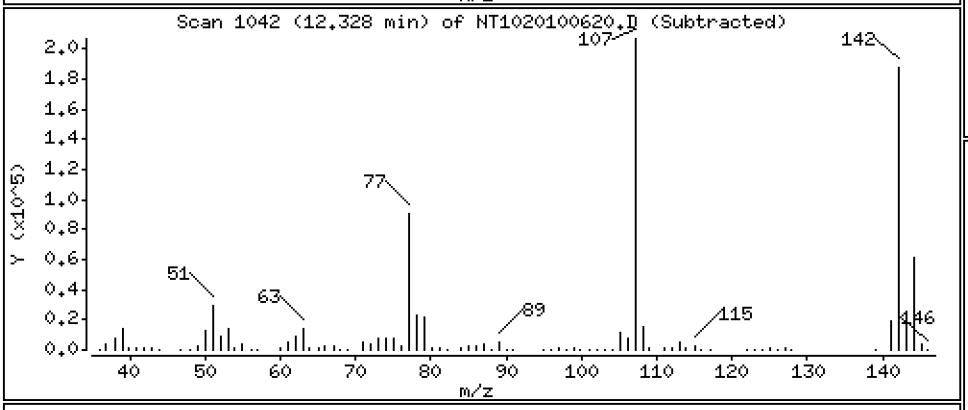
Column phase: ZB-5msi

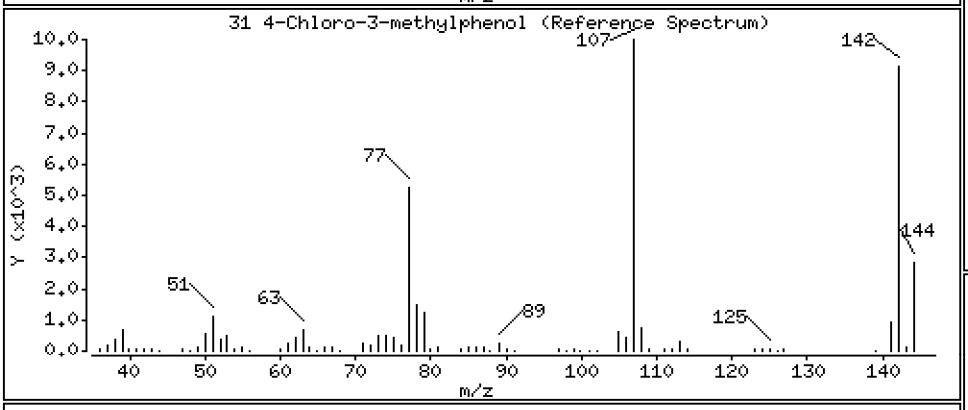
Column diameter: 0.25

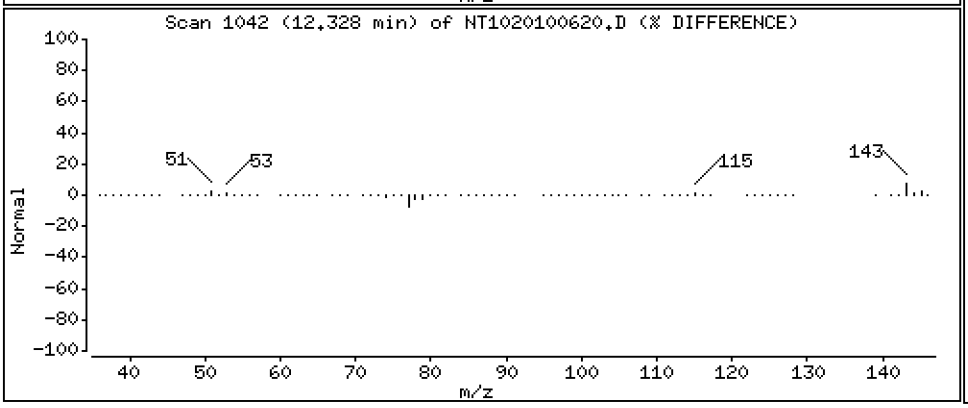
31 4-Chloro-3-methylphenol

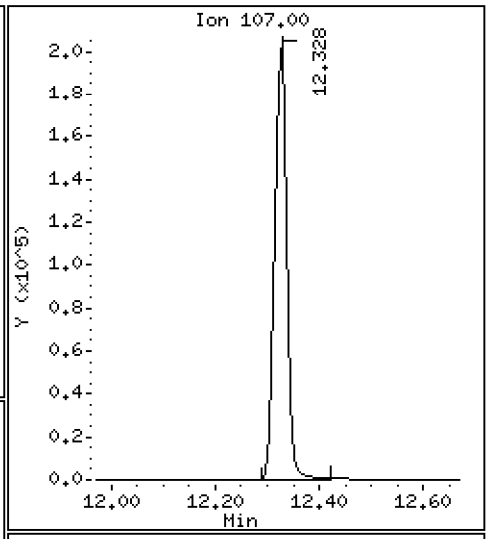
Concentration: 10.89 ug/mL

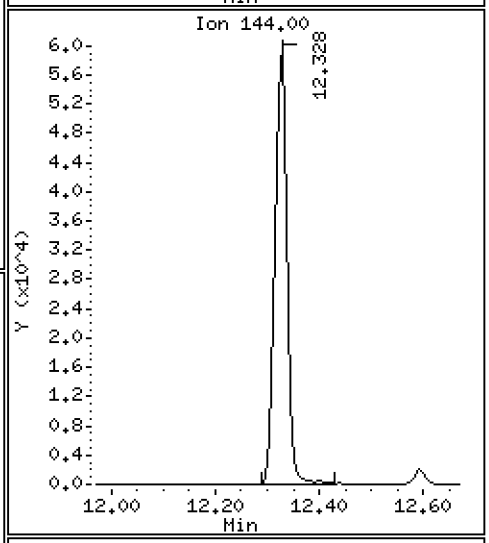


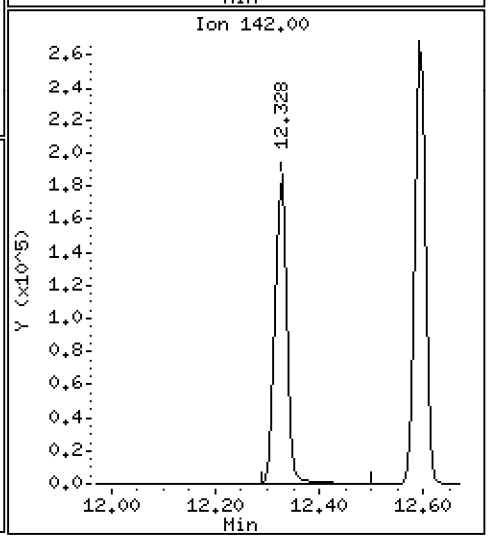












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

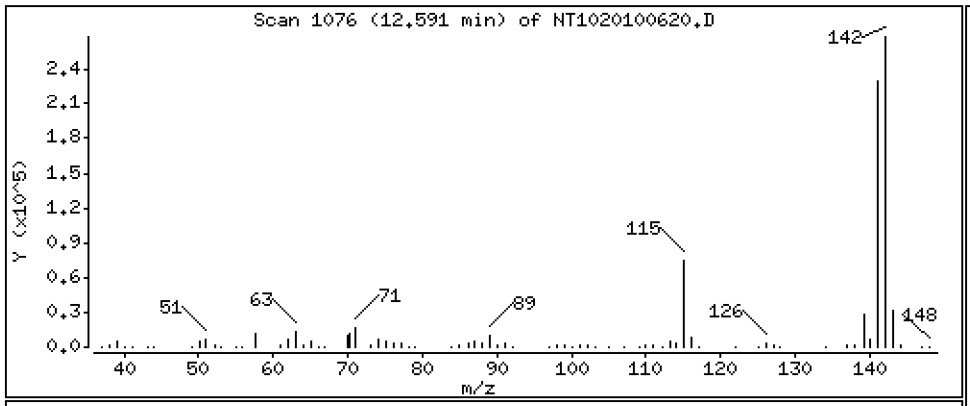
Operator: VTS

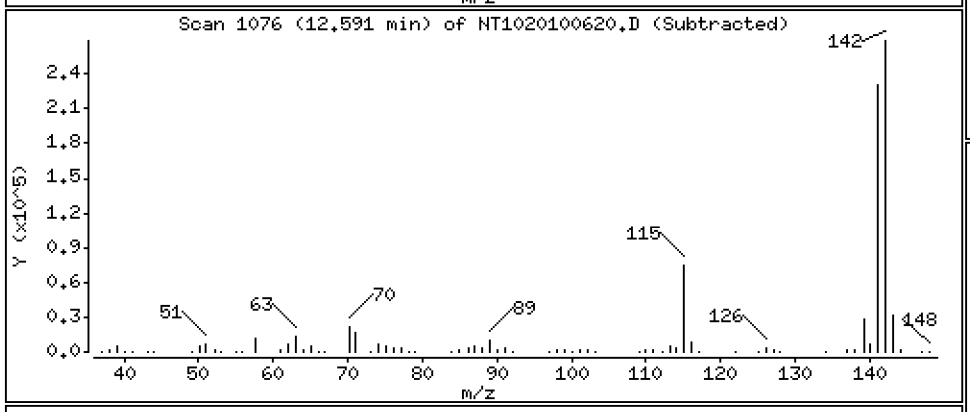
Column phase: ZB-5msi

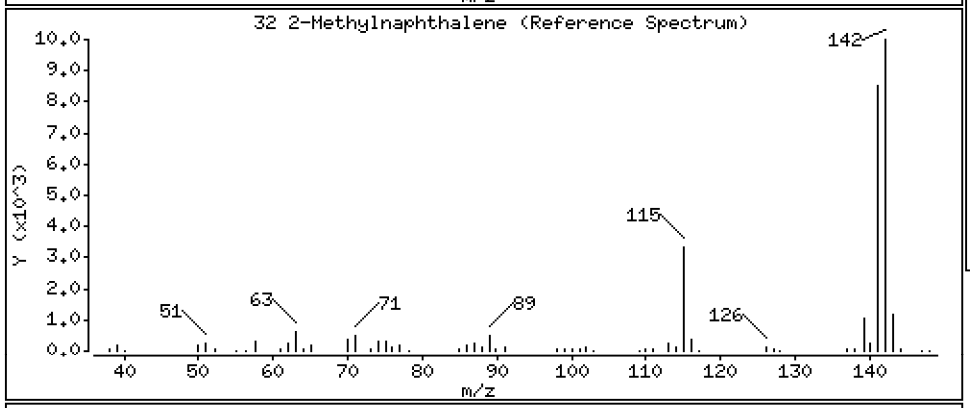
Column diameter: 0.25

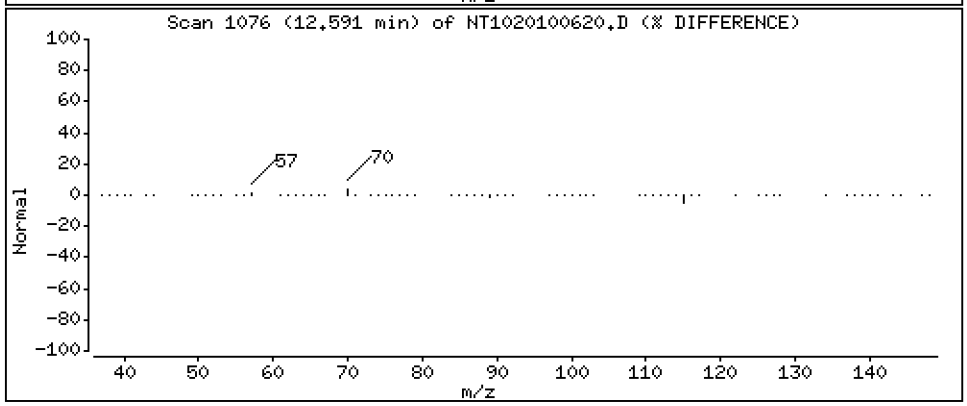
32 2-Methylnaphthalene

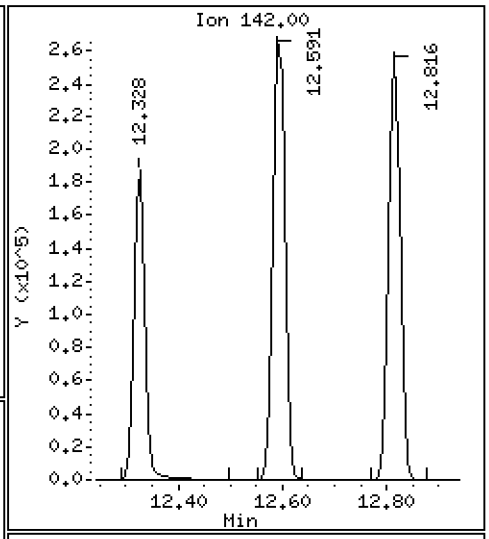
Concentration: 5.666 ug/mL

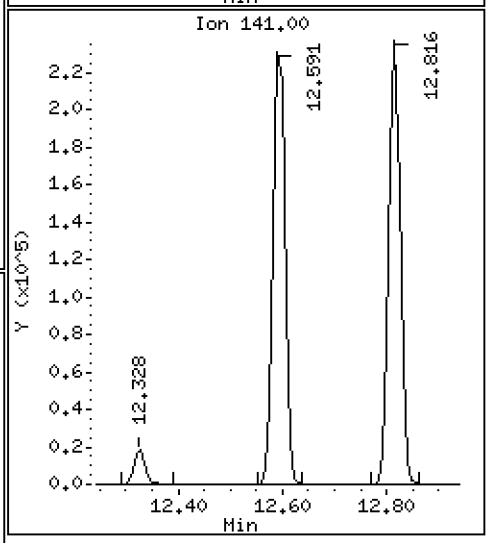












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

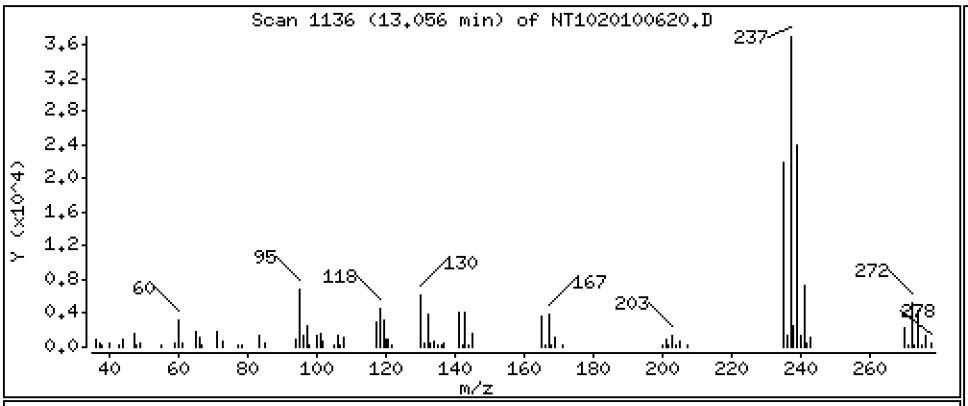
Operator: VTS

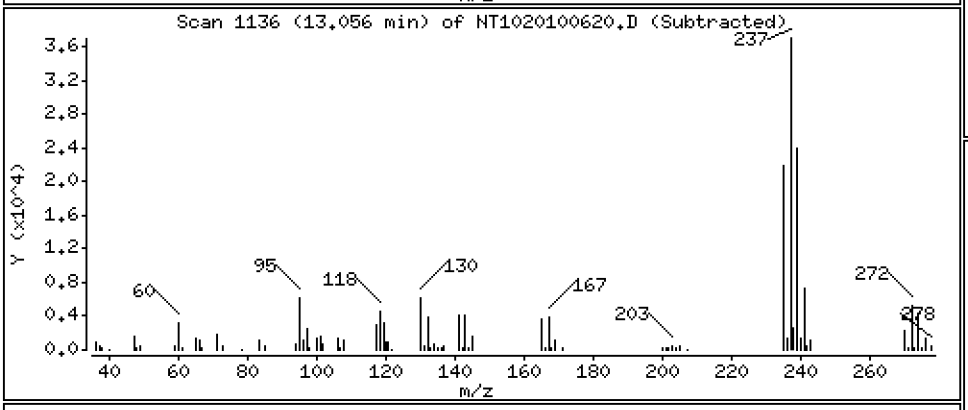
Column phase: ZB-5msi

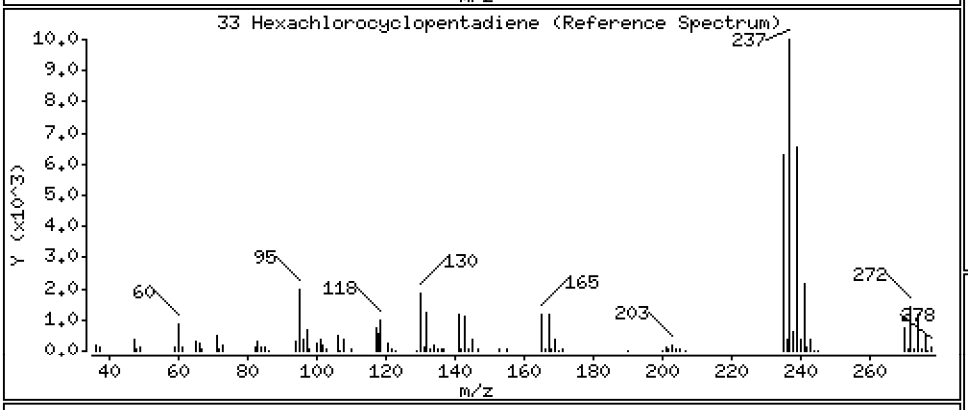
Column diameter: 0.25

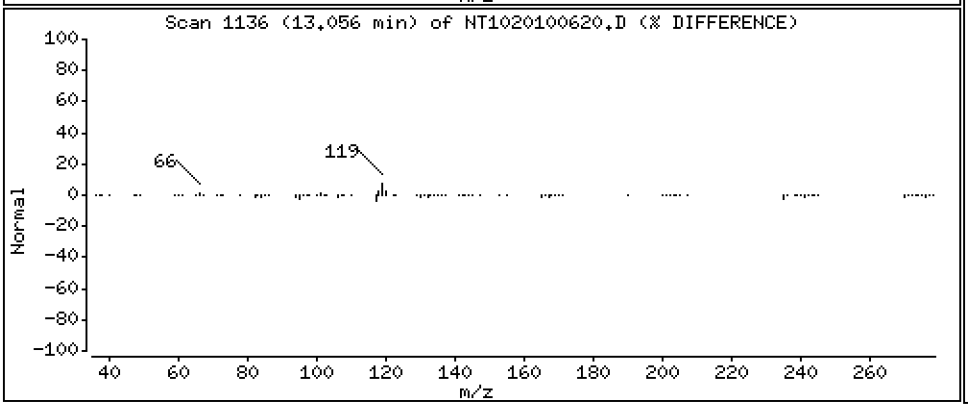
33 Hexachlorocyclopentadiene

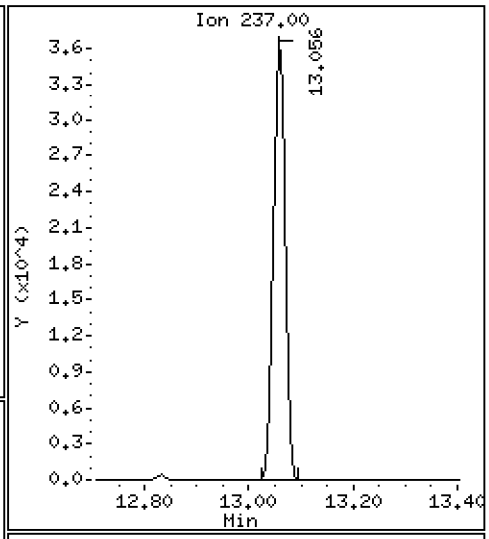
Concentration: 2.337 ug/mL

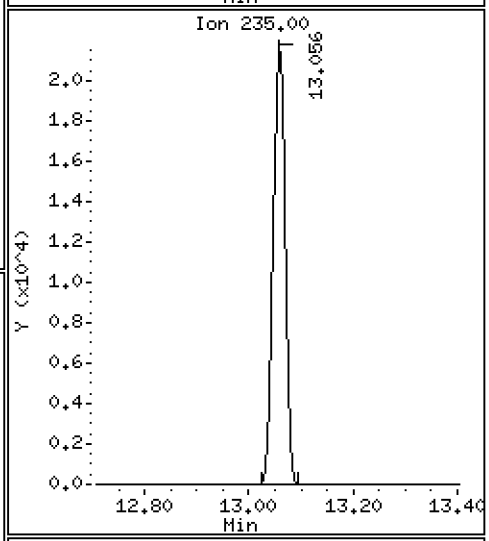


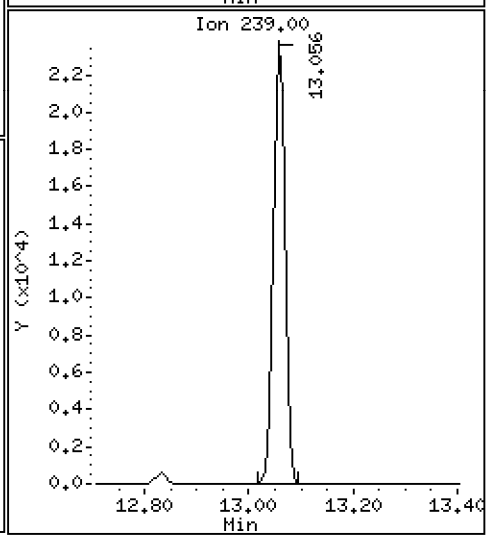












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

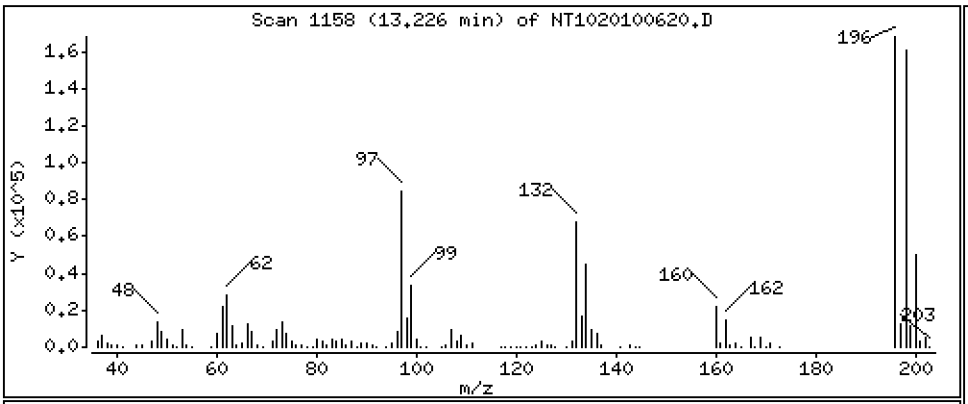
Operator: VTS

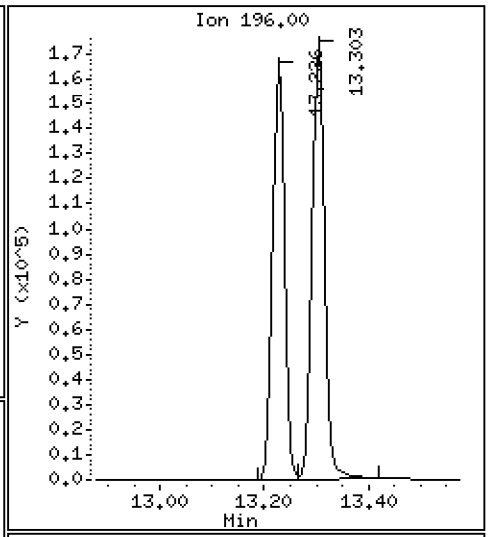
Column phase: ZB-5msi

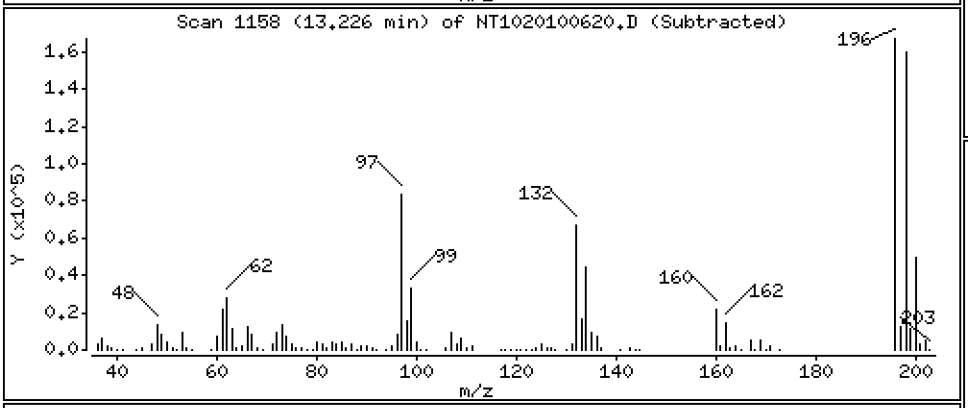
Column diameter: 0.25

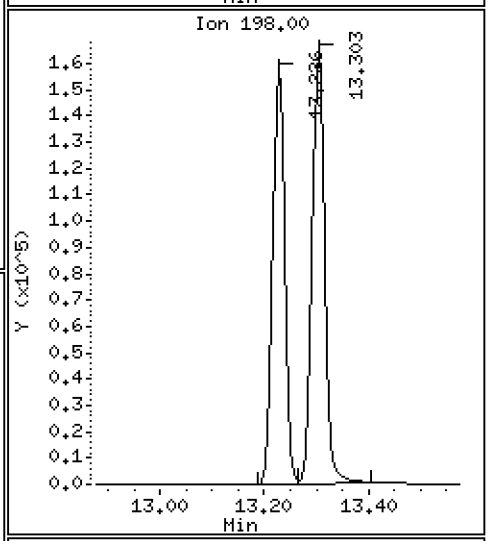
34 2,4,6-Trichlorophenol

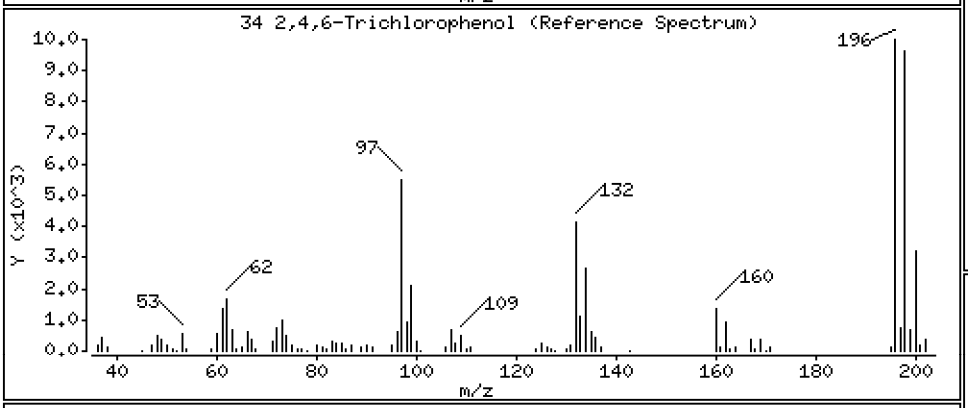
Concentration: 10.85 ug/mL

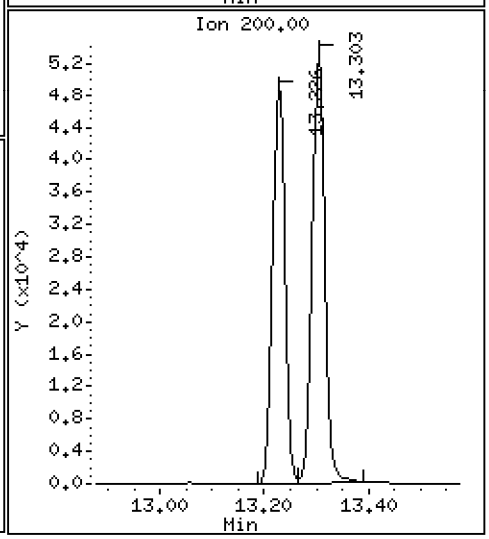


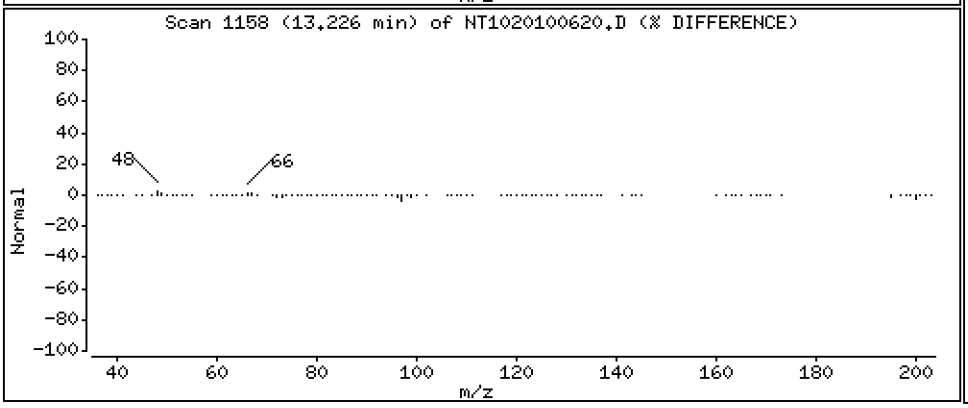












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

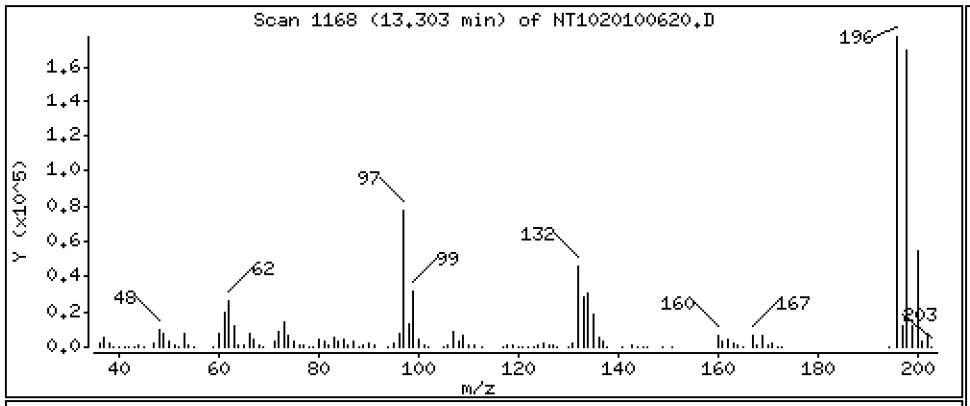
Operator: VTS

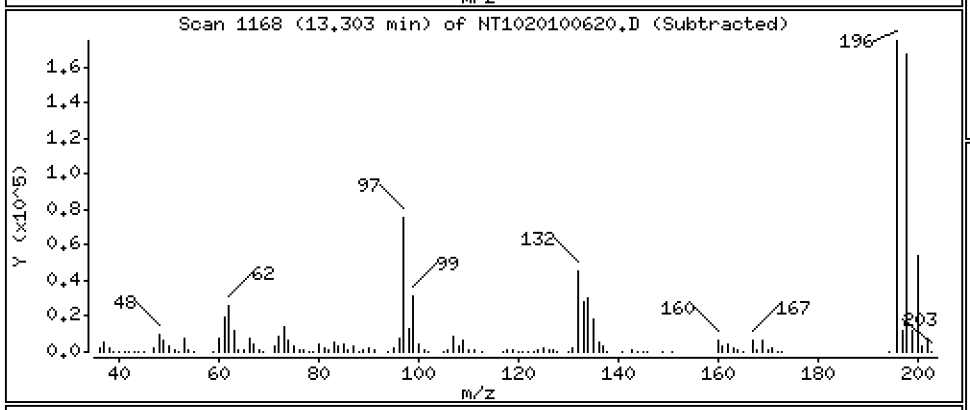
Column phase: ZB-5msi

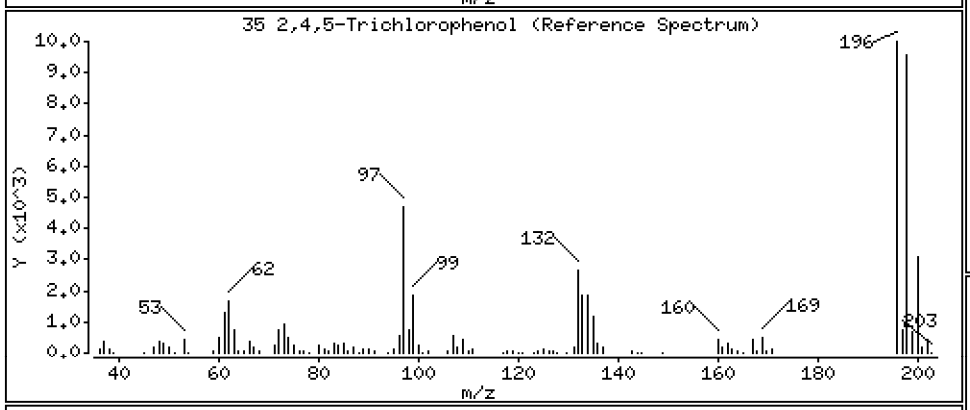
Column diameter: 0.25

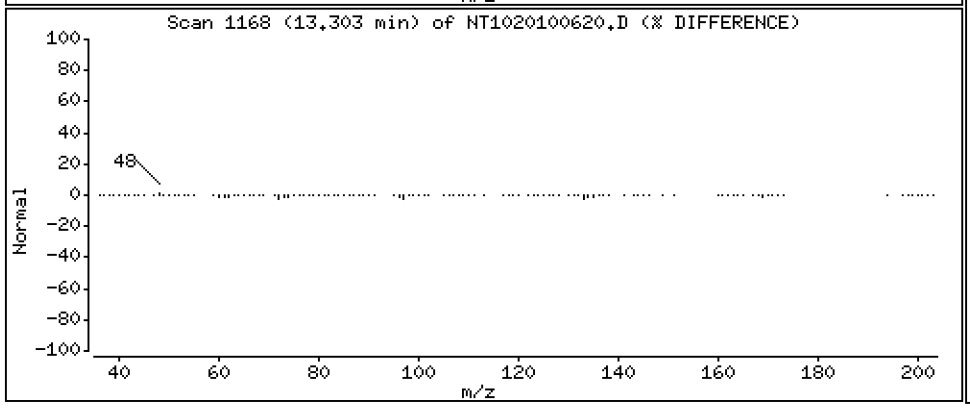
35 2,4,5-Trichlorophenol

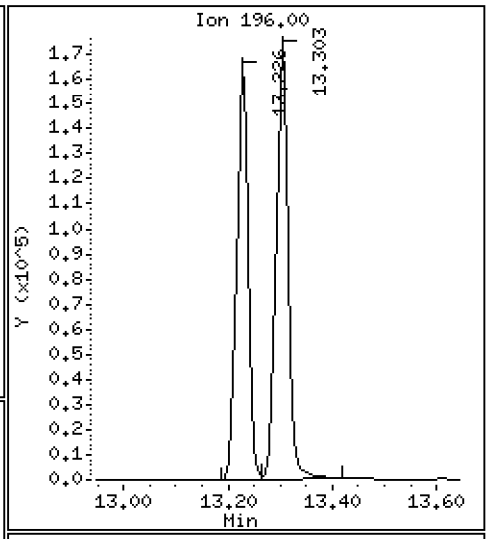
Concentration: 10.81 ug/mL

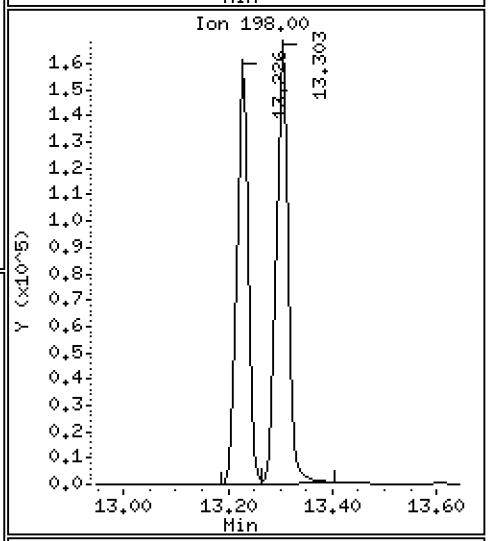


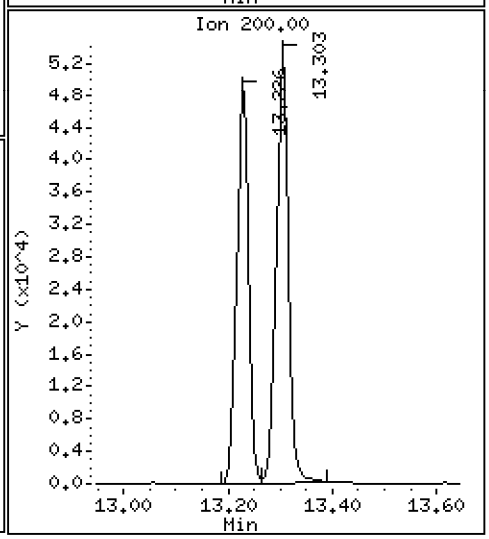












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

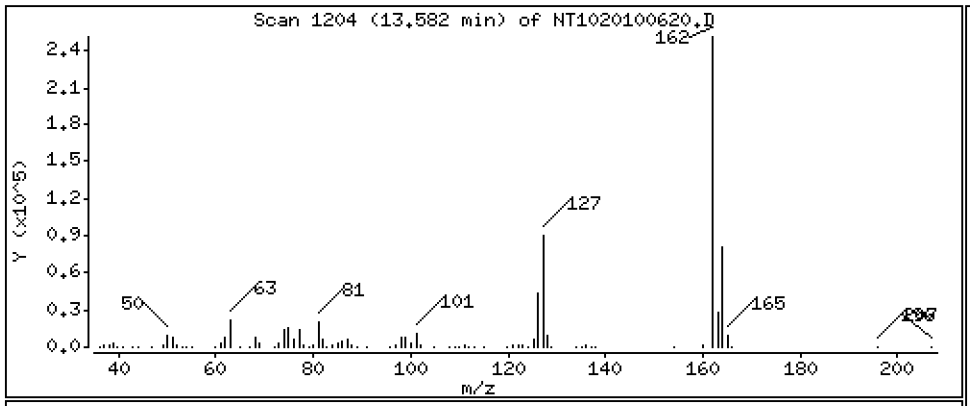
Operator: VTS

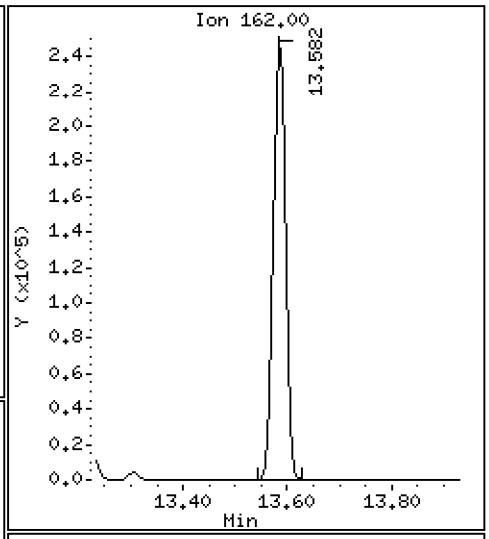
Column phase: ZB-5msi

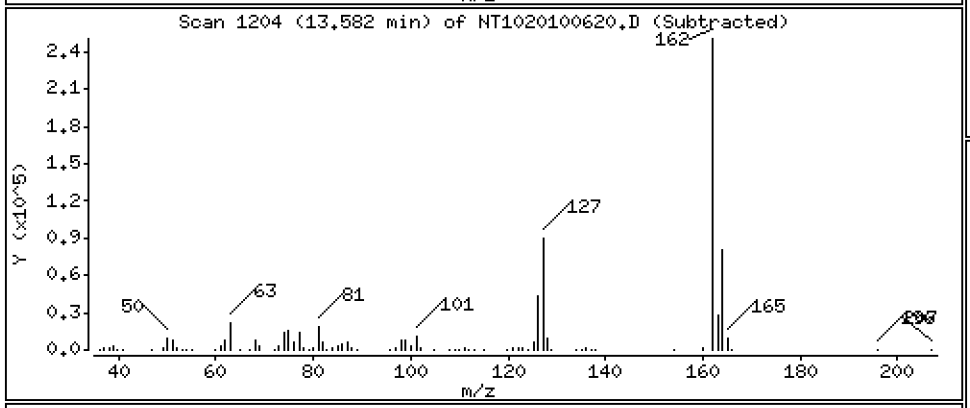
Column diameter: 0.25

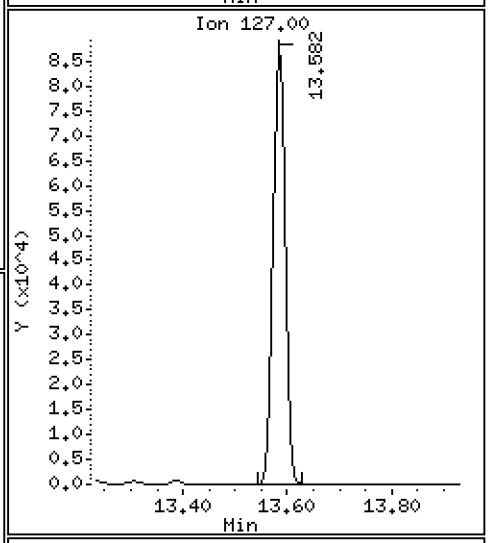
37 2-Chloronaphthalene

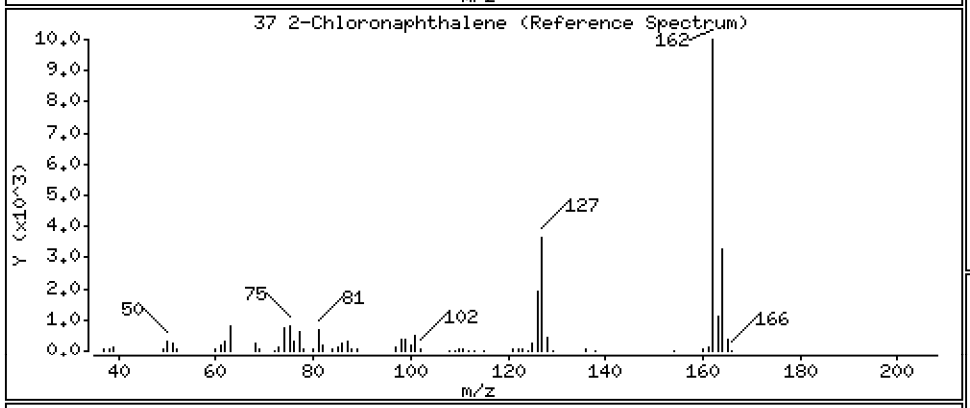
Concentration: 5.326 ug/mL

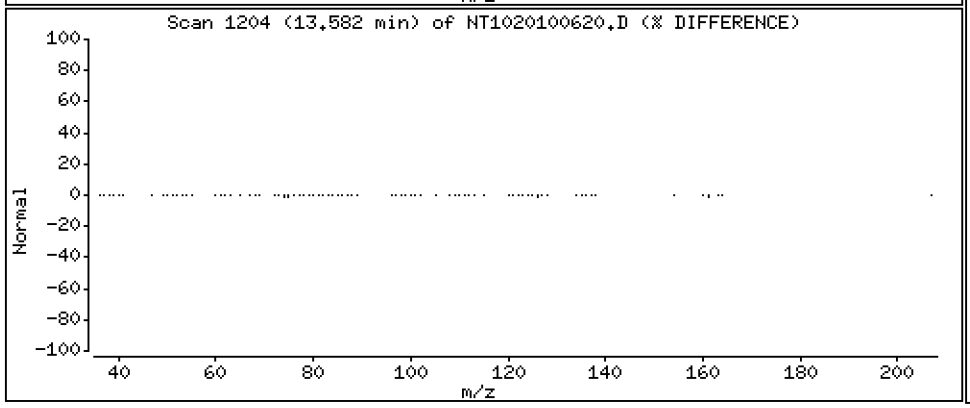


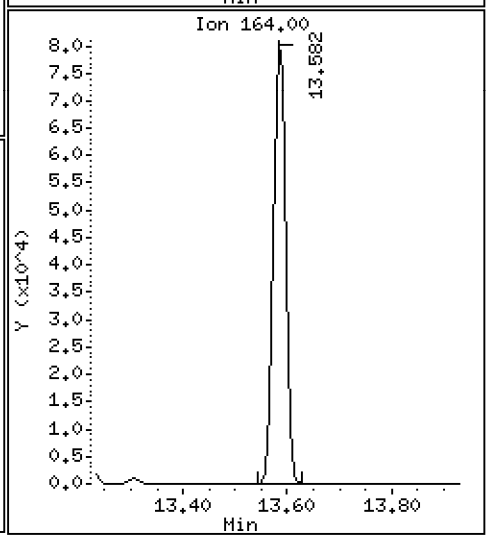












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

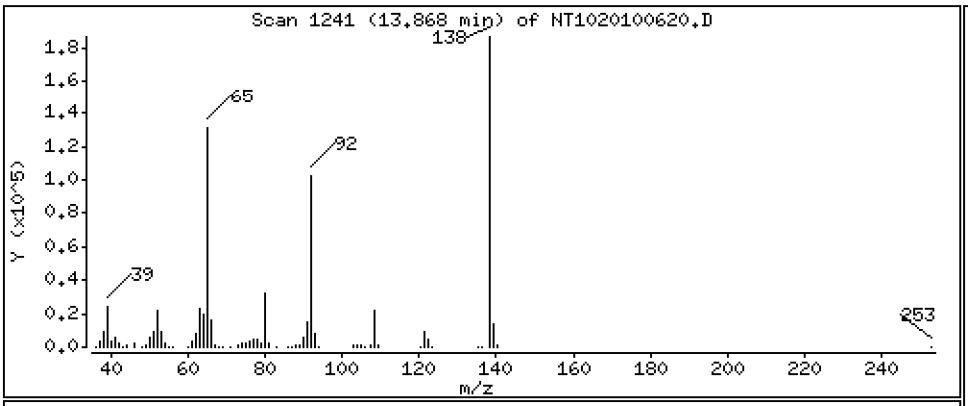
Operator: VTS

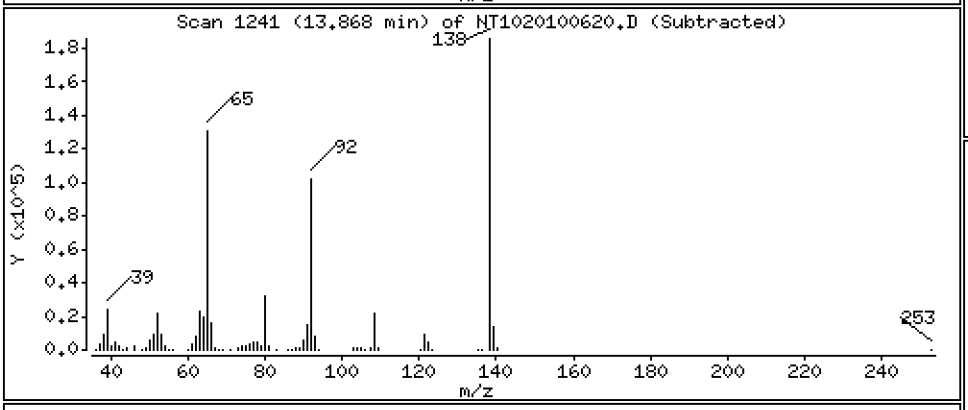
Column phase: ZB-5msi

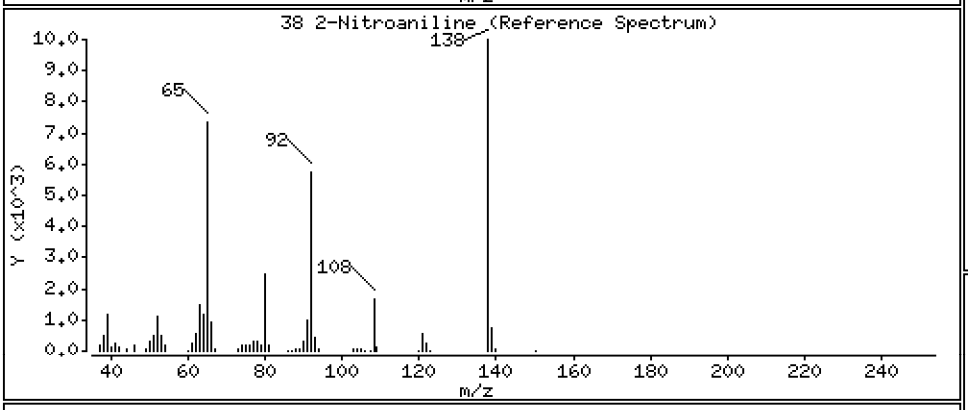
Column diameter: 0.25

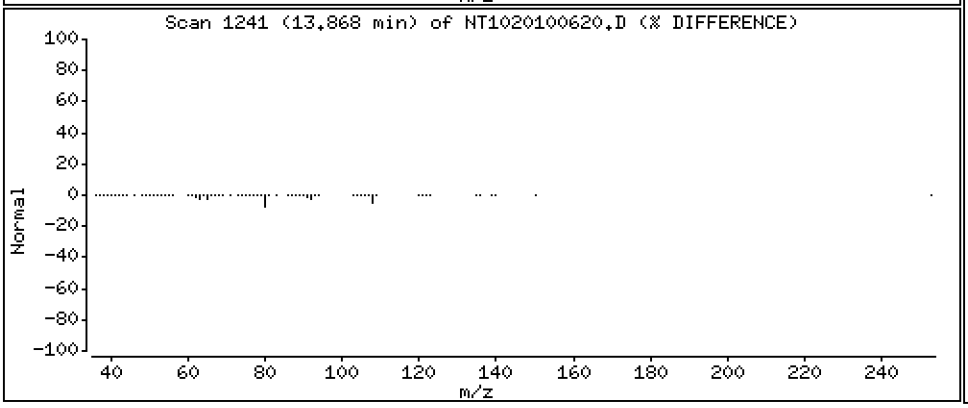
38 2-Nitroaniline

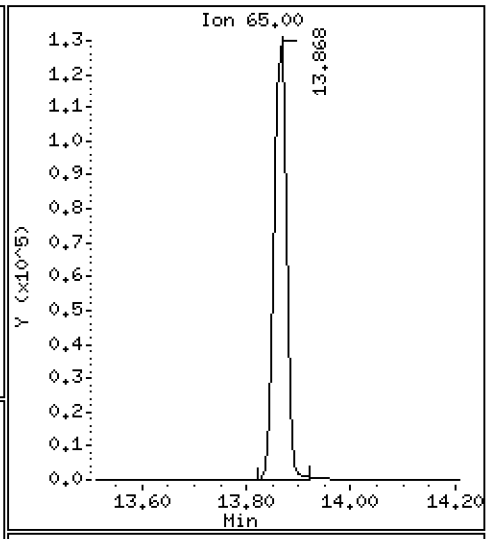
Concentration: 10.74 ug/mL

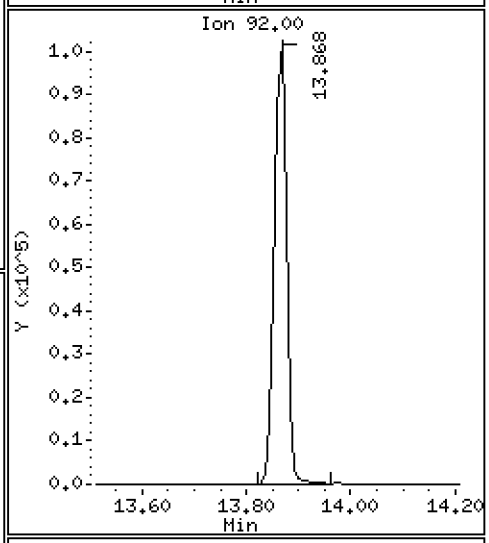


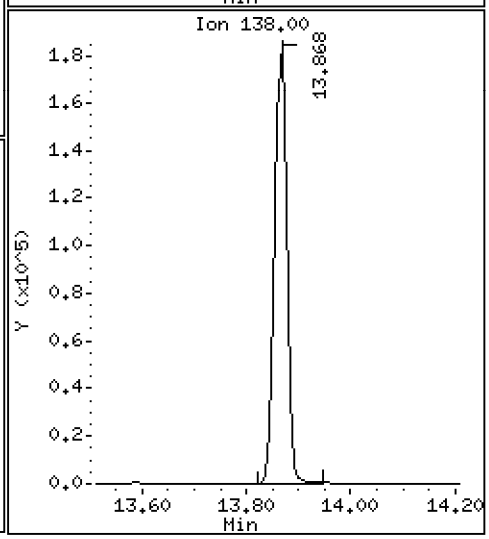












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

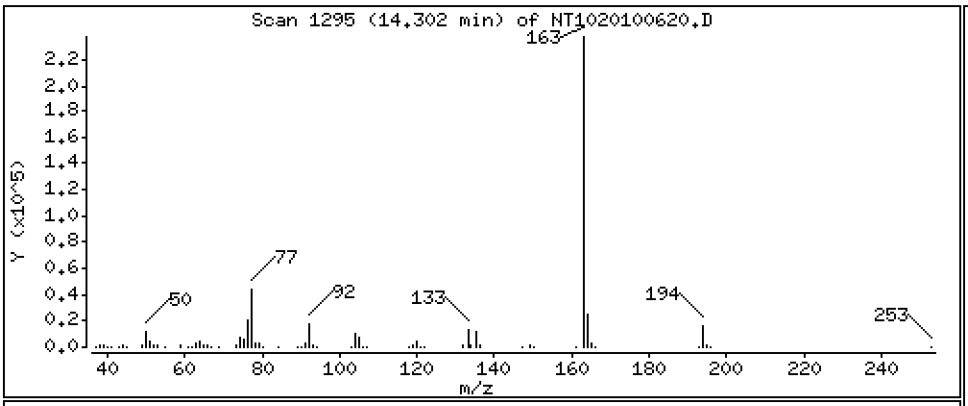
Operator: VTS

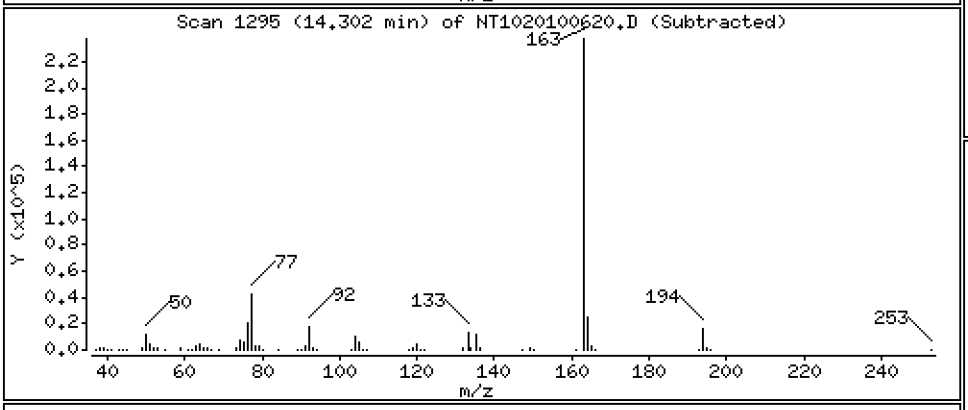
Column phase: ZB-5msi

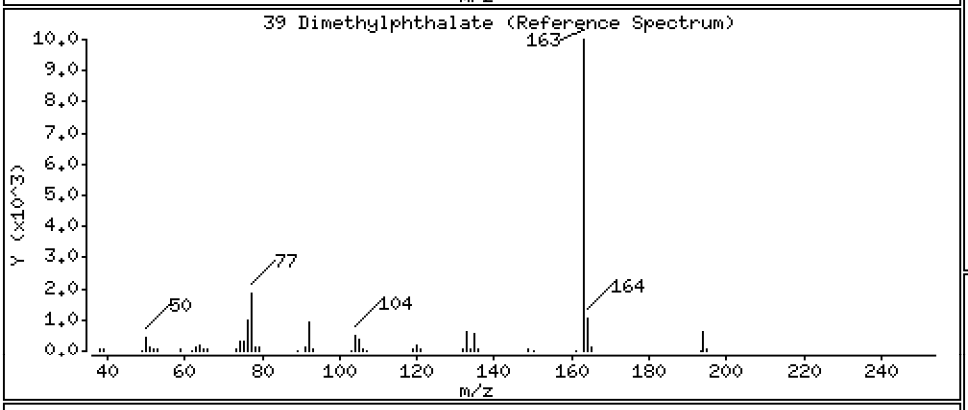
Column diameter: 0.25

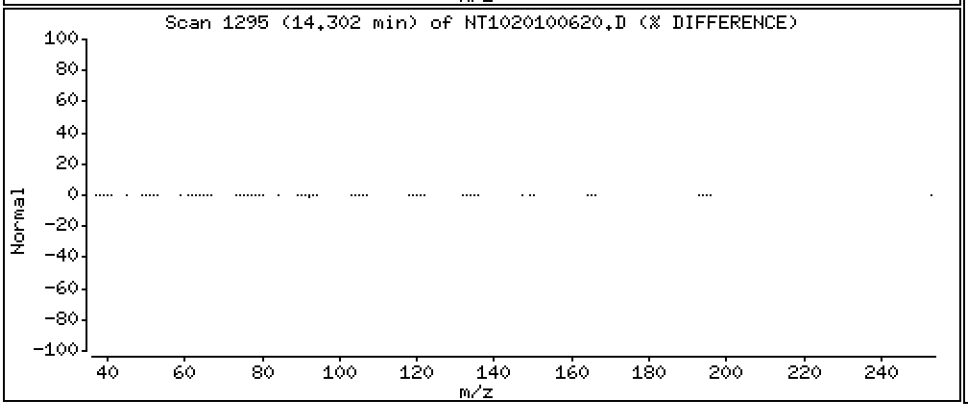
39 Dimethylphthalate

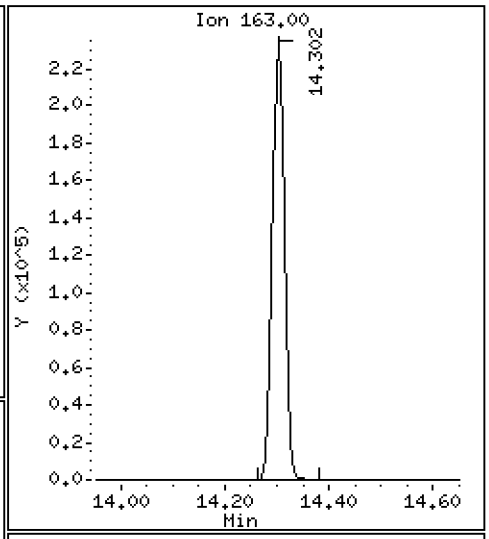
Concentration: 5.115 ug/mL

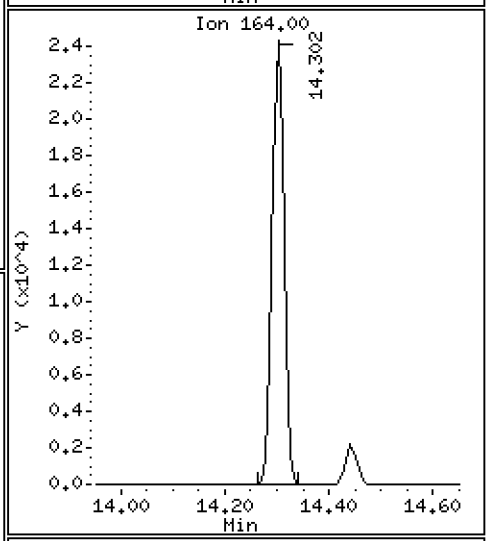


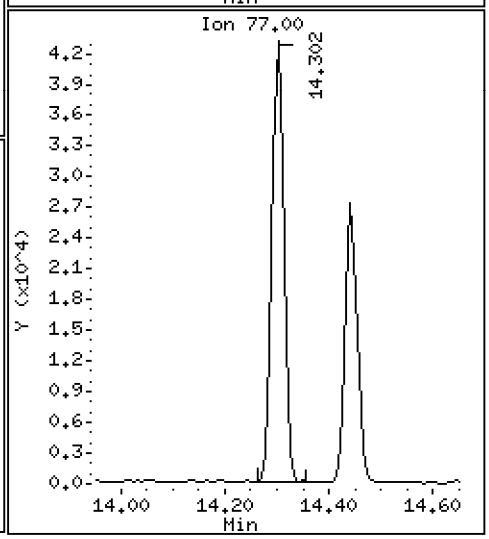












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

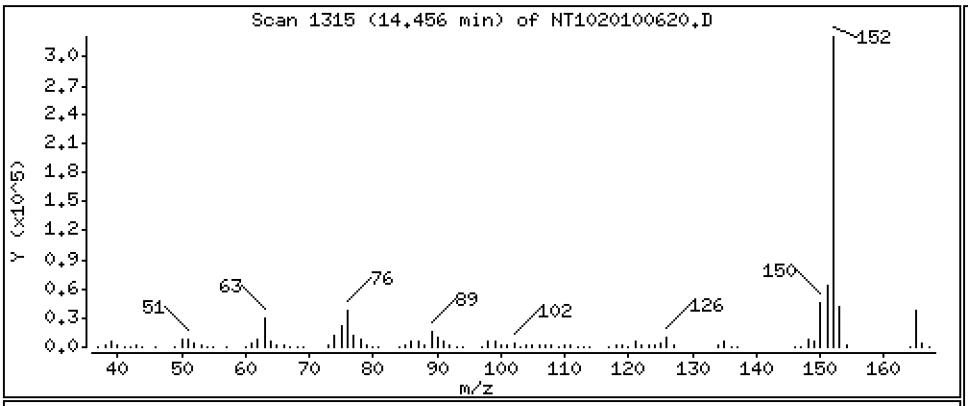
Operator: VTS

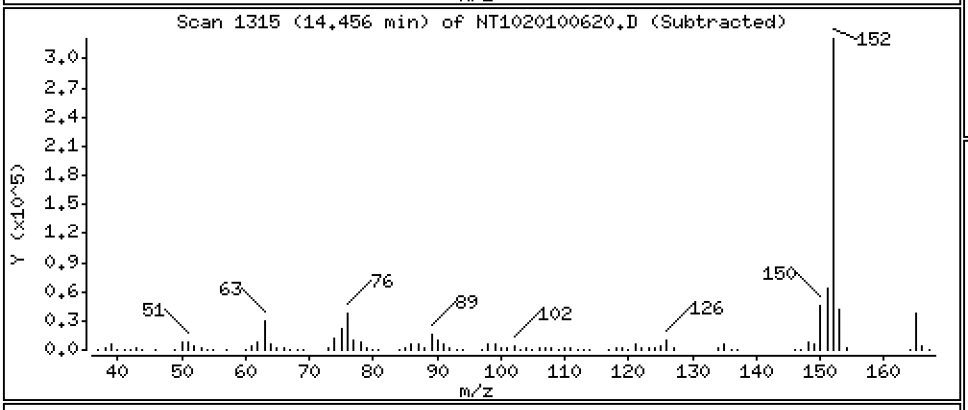
Column phase: ZB-5msi

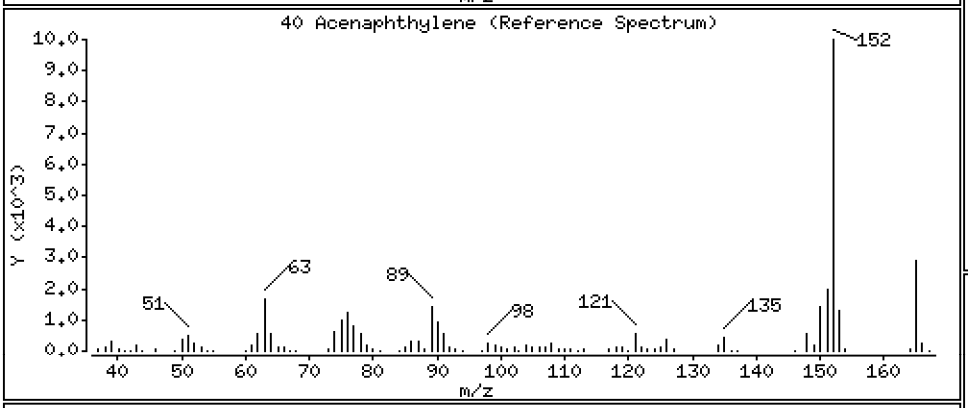
Column diameter: 0.25

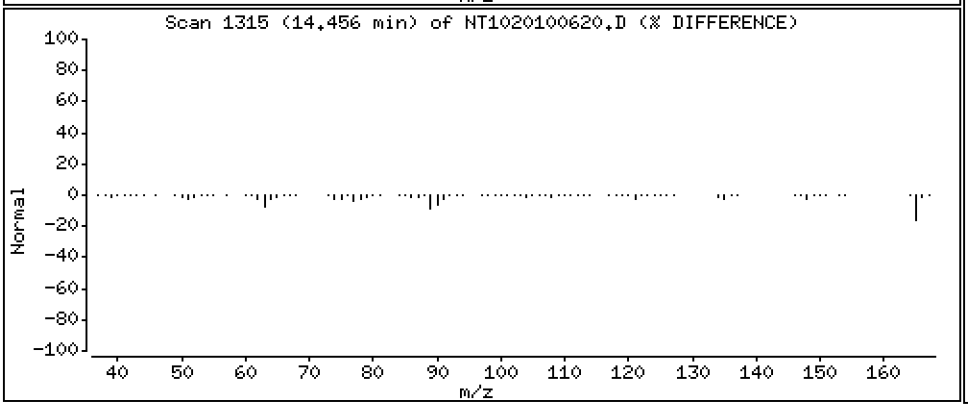
40 Acenaphthylene

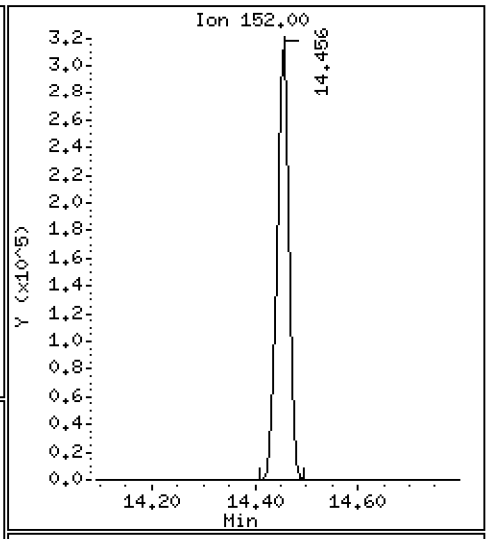
Concentration: 4.823 ug/mL

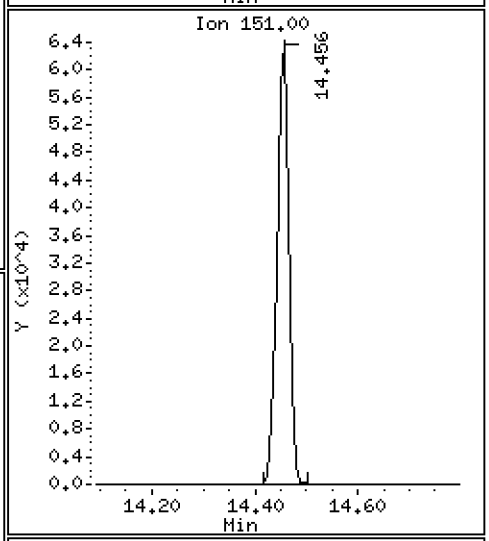


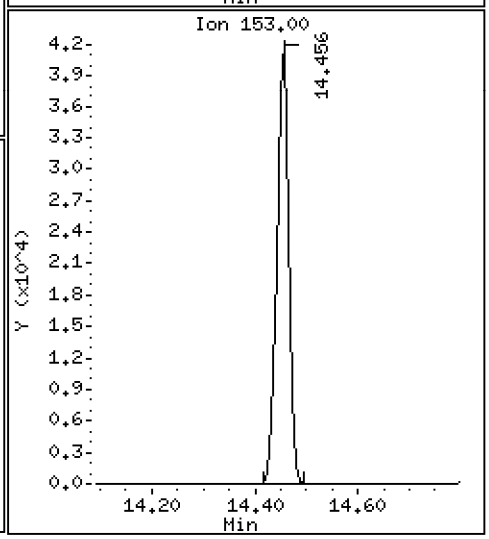












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

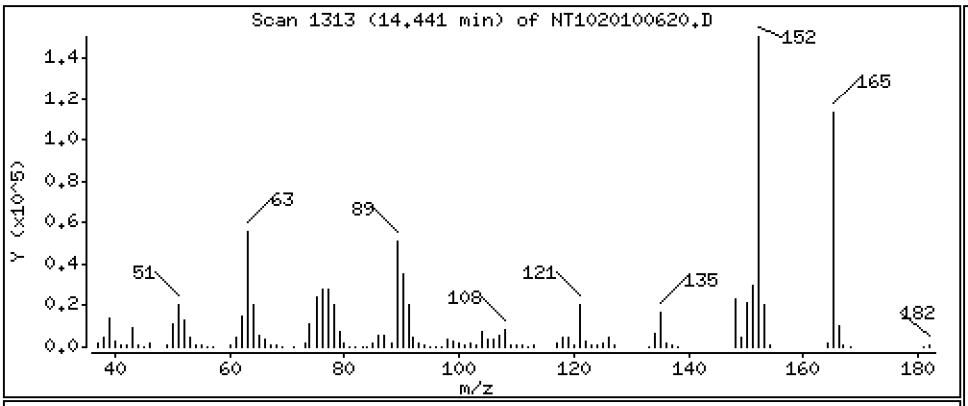
Operator: VTS

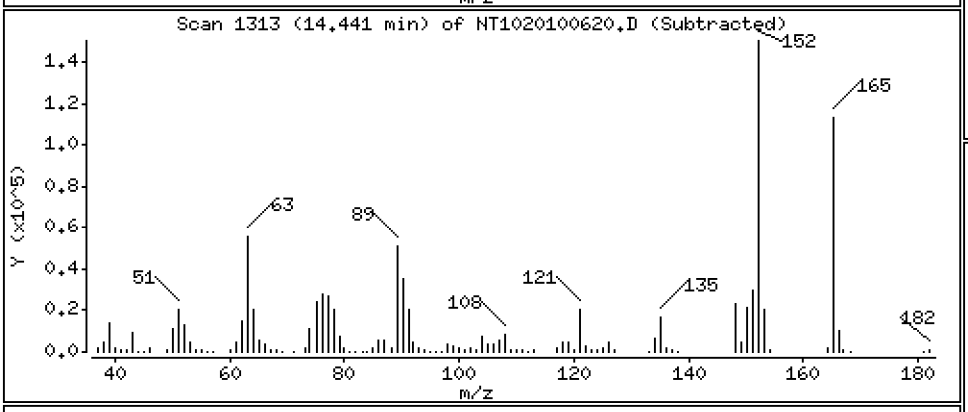
Column phase: ZB-5msi

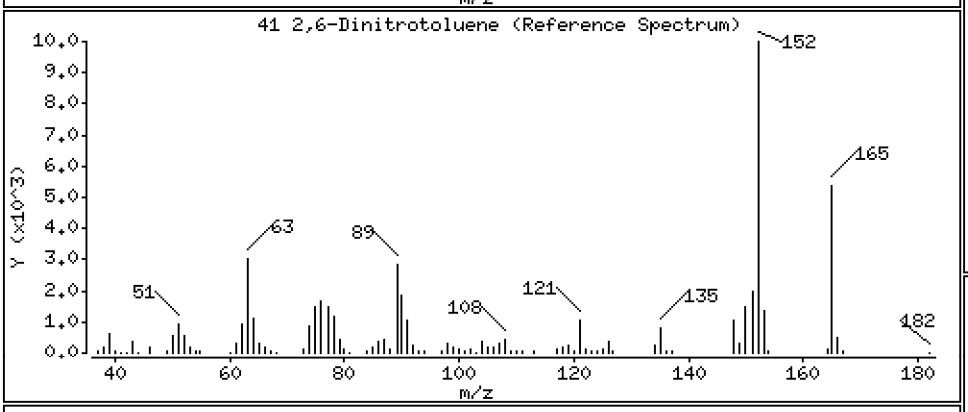
Column diameter: 0.25

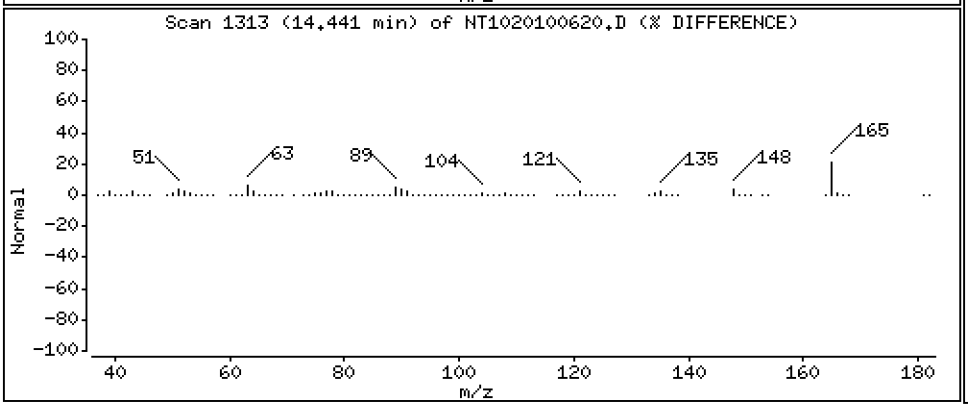
41 2,6-Dinitrotoluene

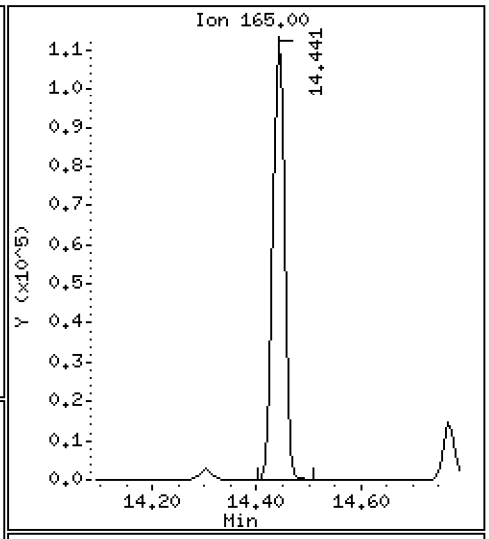
Concentration: 10.38 ug/mL

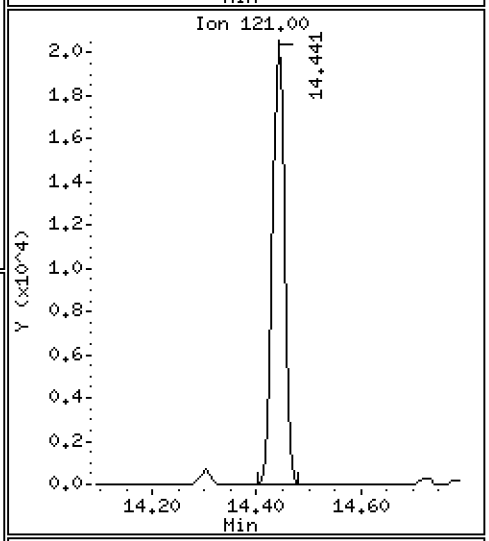


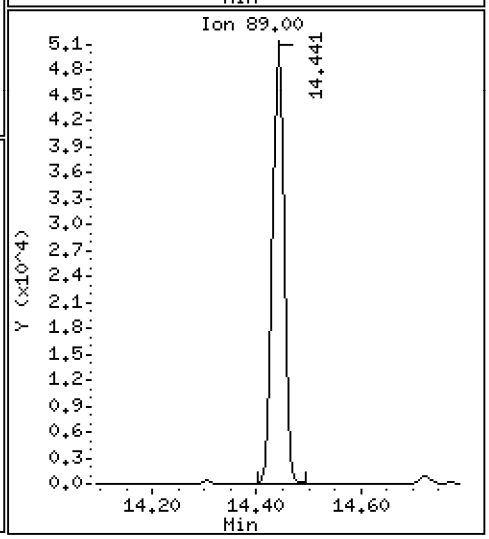












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

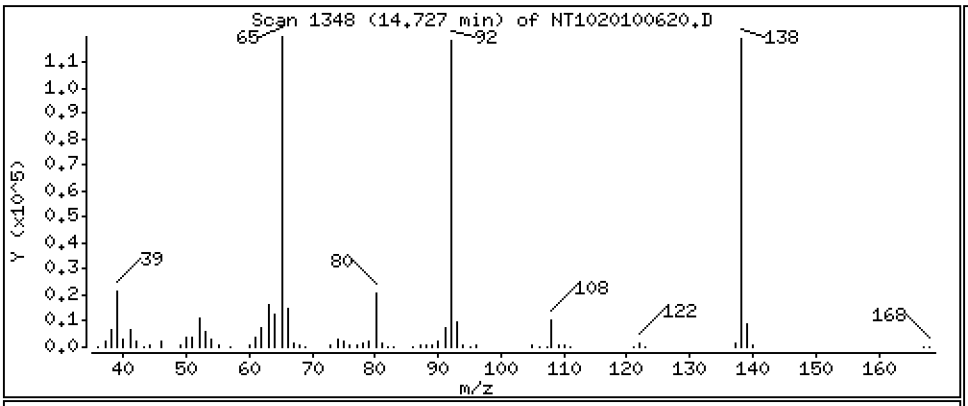
Operator: VTS

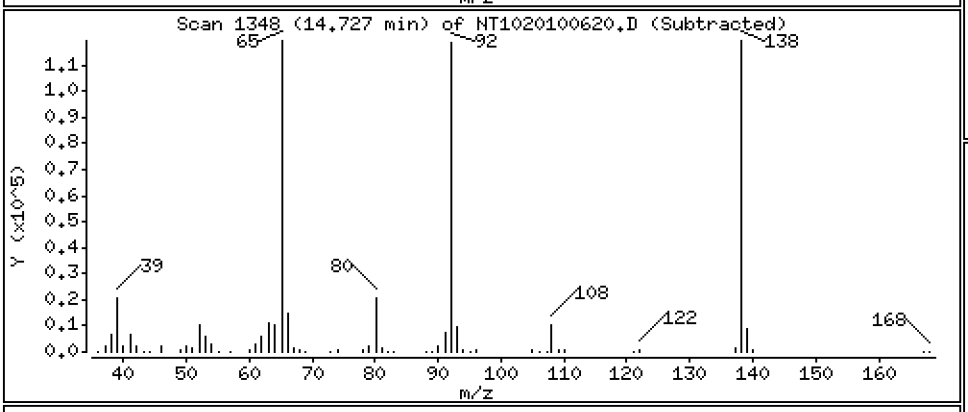
Column phase: ZB-5msi

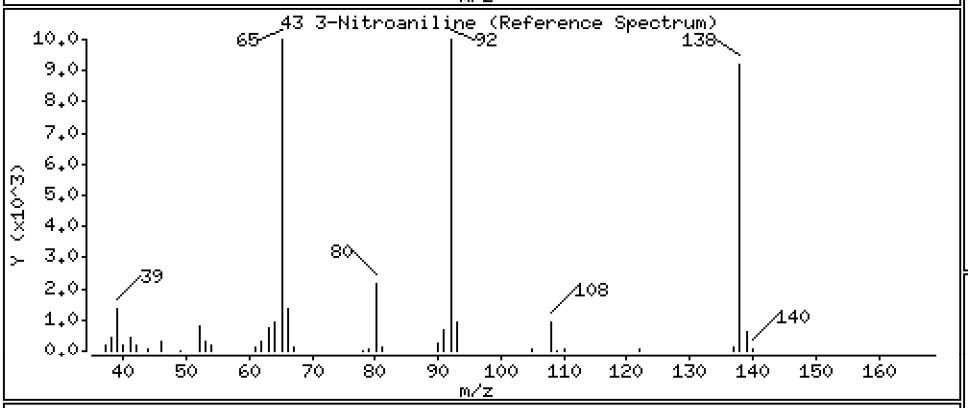
Column diameter: 0.25

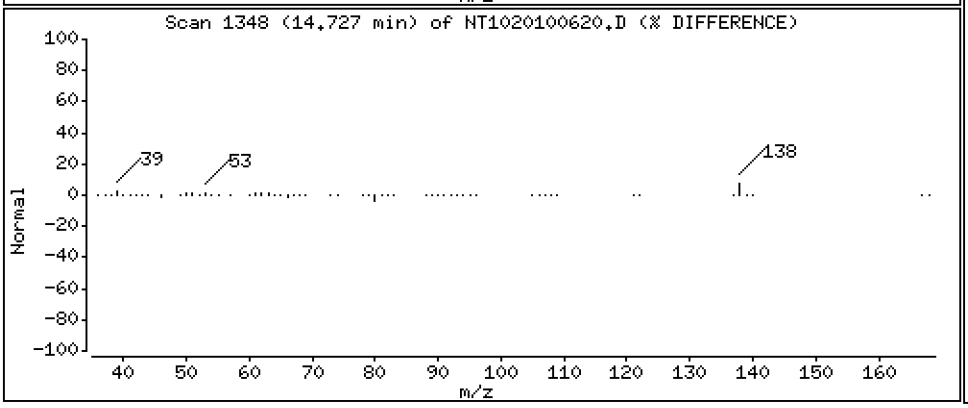
43 3-Nitroaniline

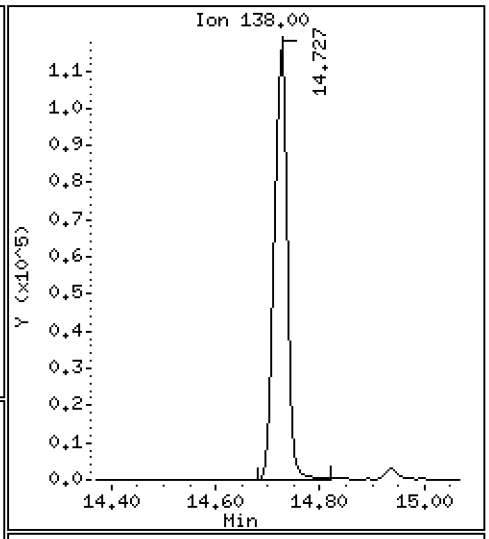
Concentration: 10.60 ug/mL

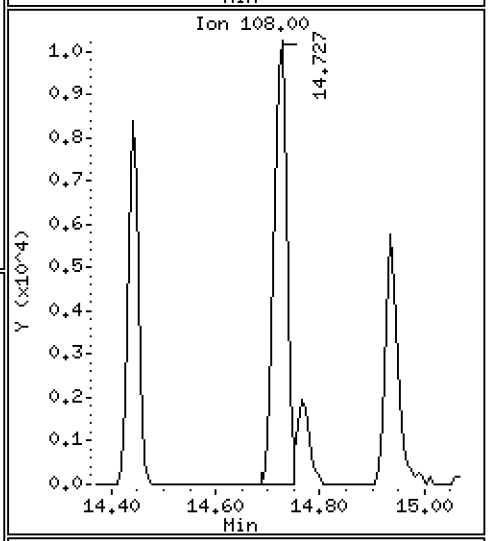


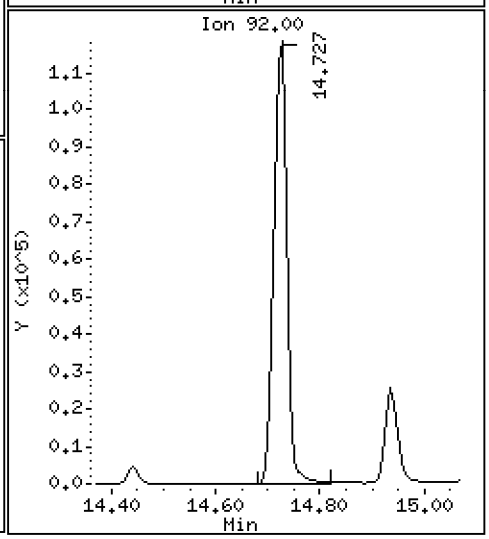












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

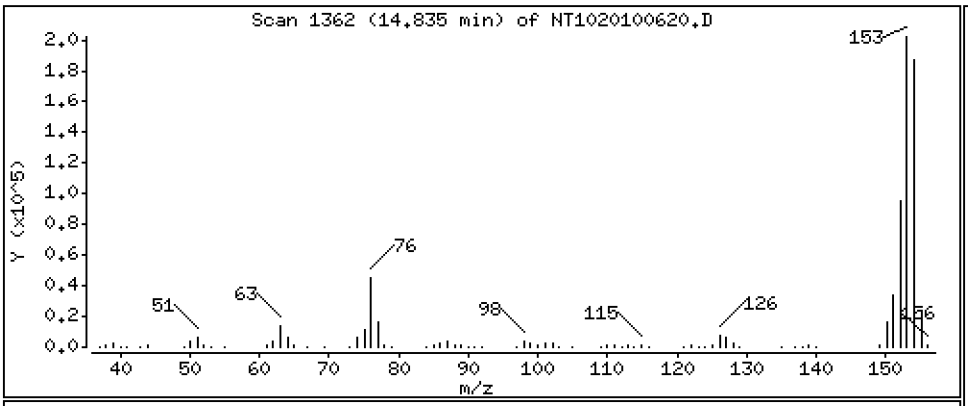
Operator: VTS

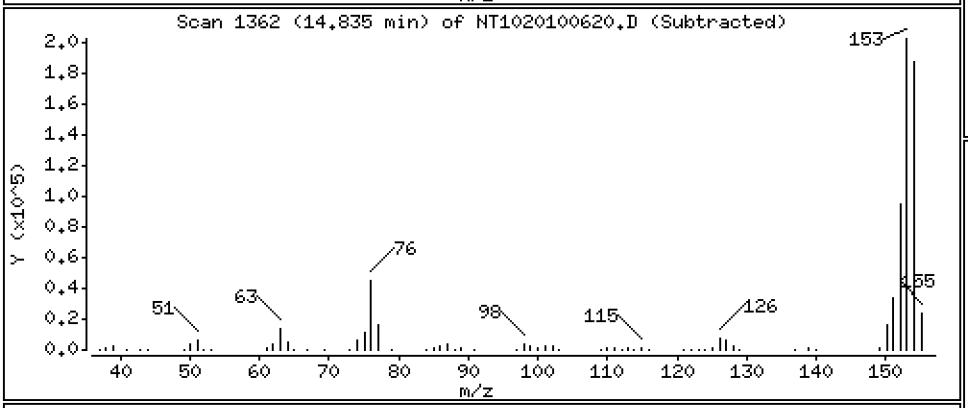
Column phase: ZB-5msi

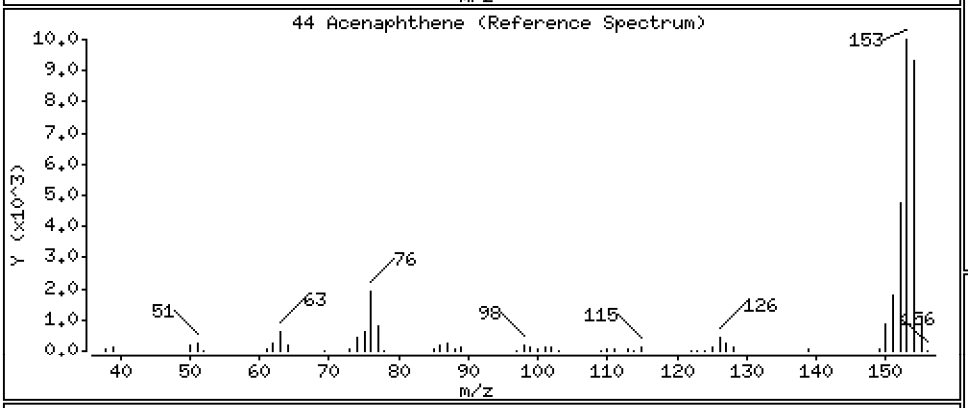
Column diameter: 0.25

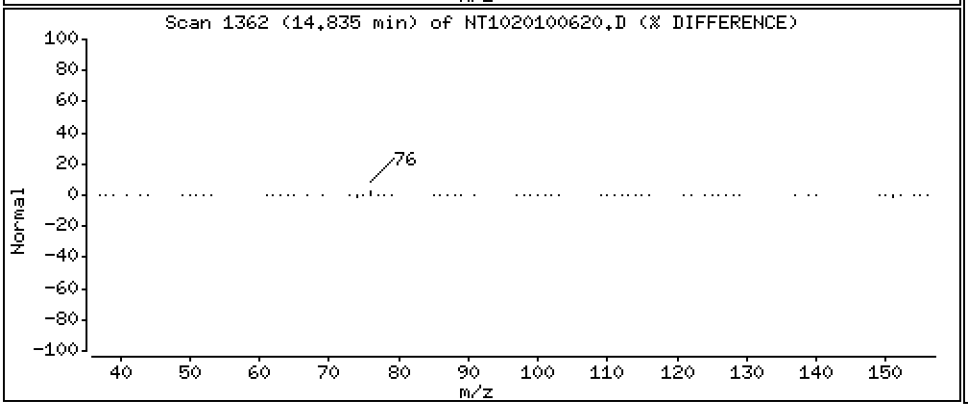
44 Acenaphthene

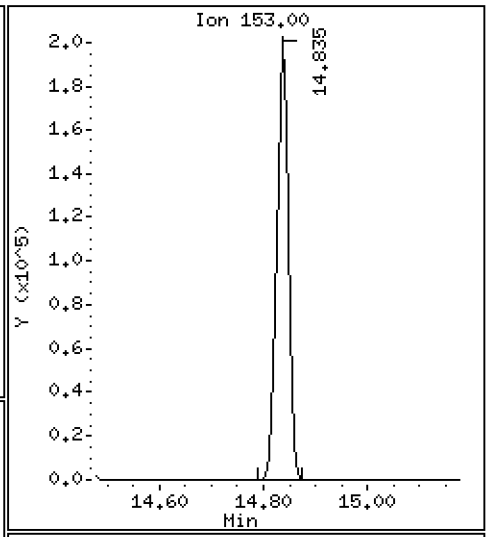
Concentration: 5.069 ug/mL

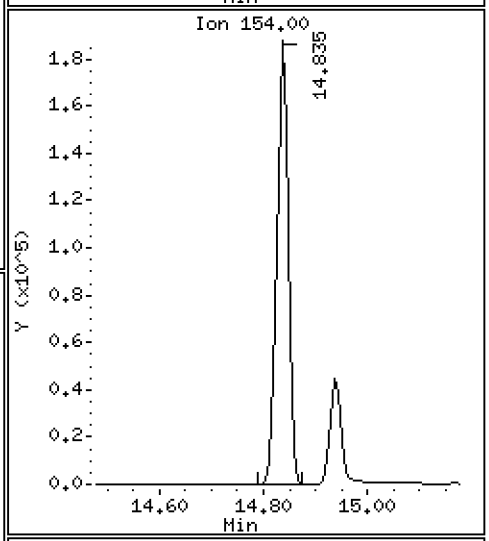


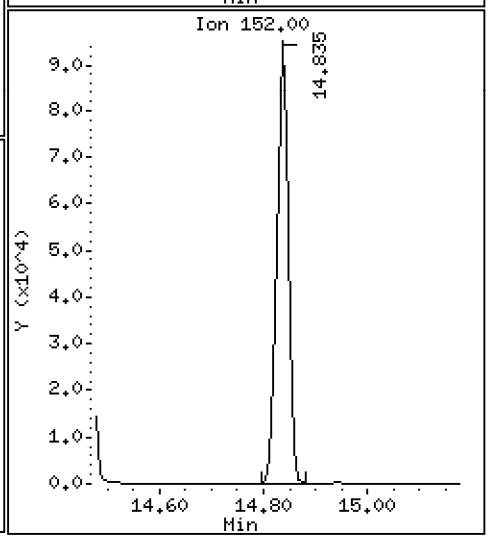












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

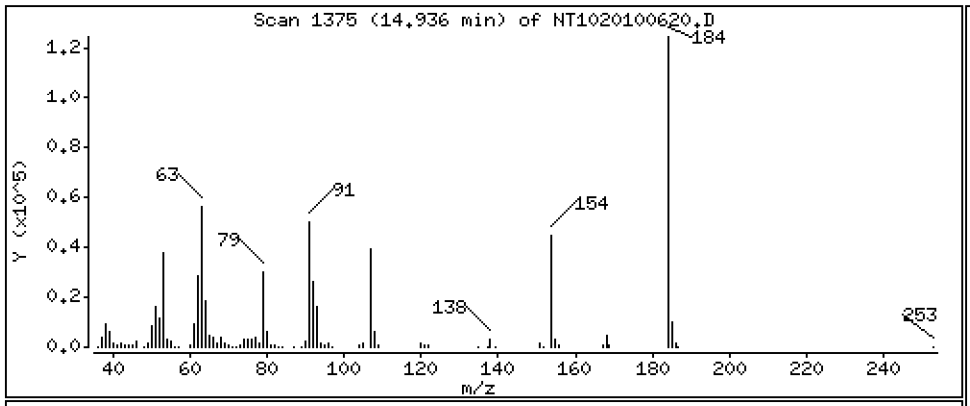
Operator: VTS

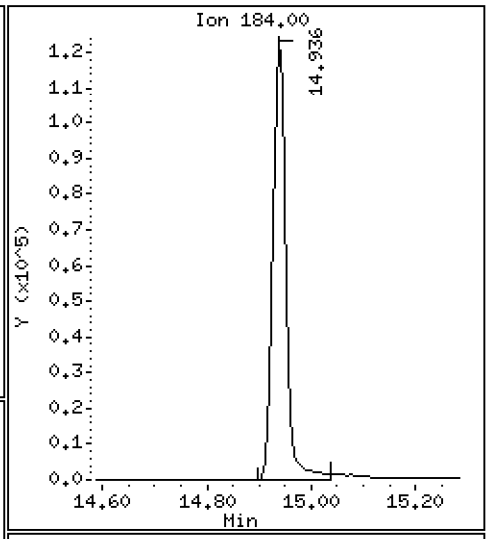
Column phase: ZB-5msi

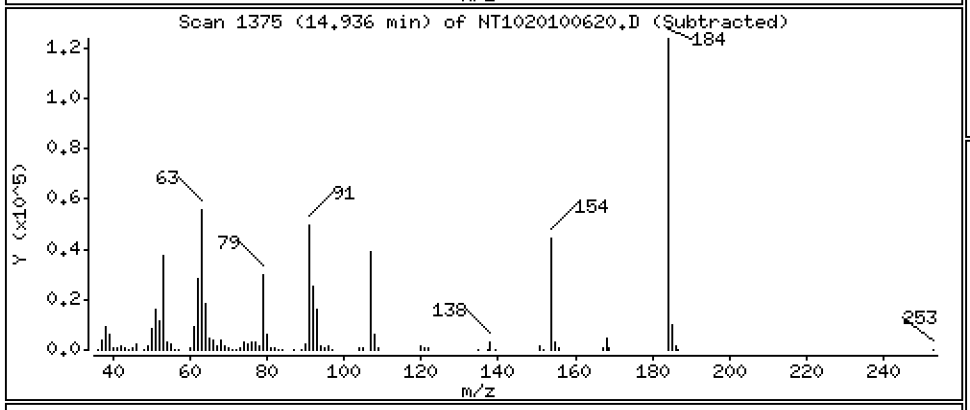
Column diameter: 0.25

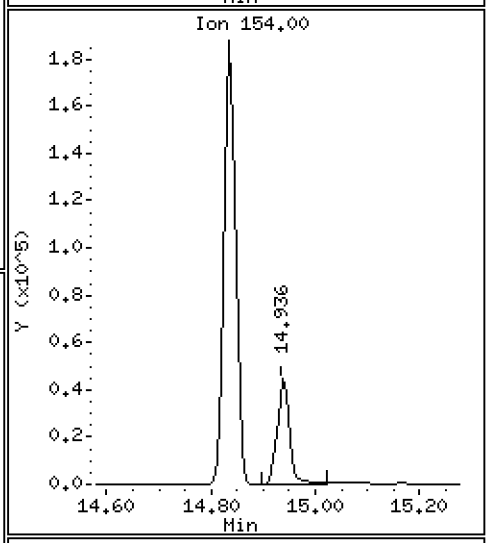
45 2,4-Dinitrophenol

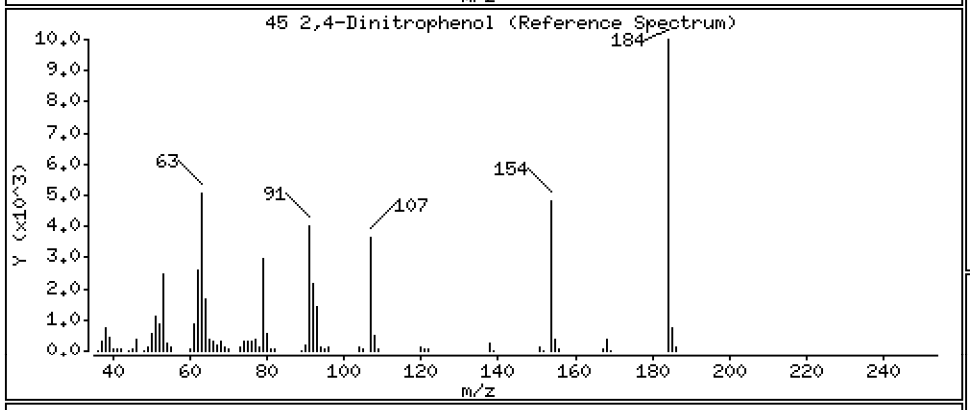
Concentration: 19.23 ug/mL

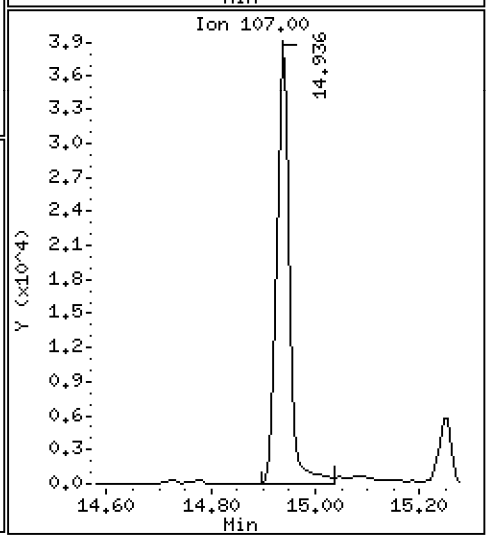


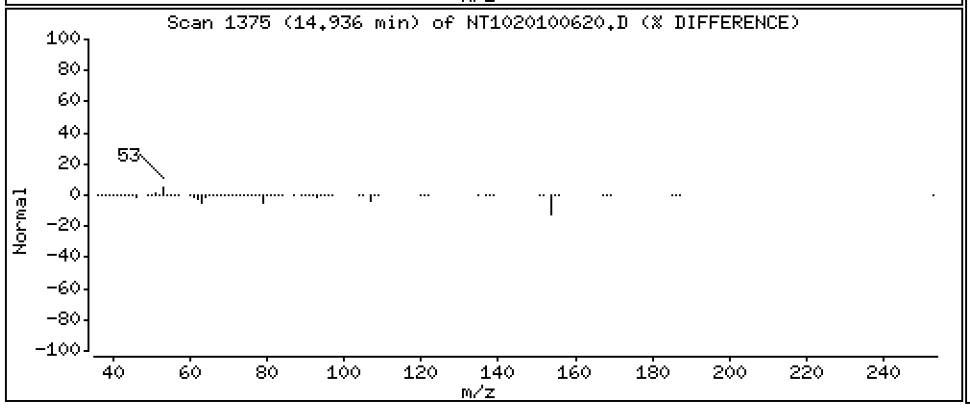












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

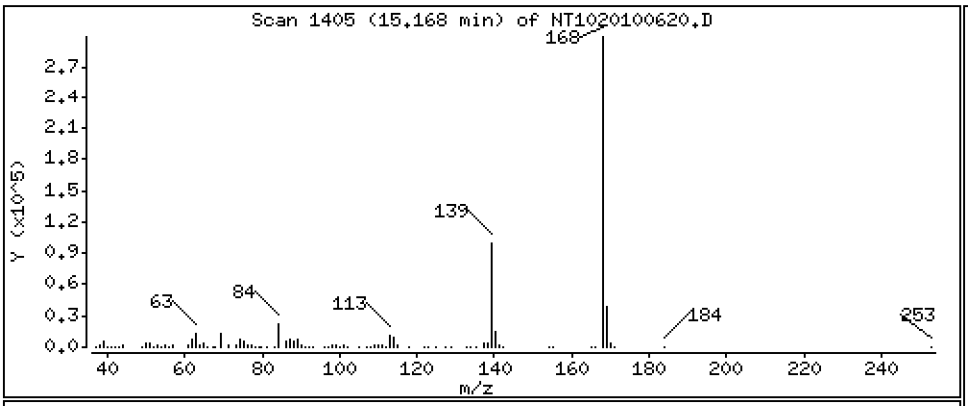
Operator: VTS

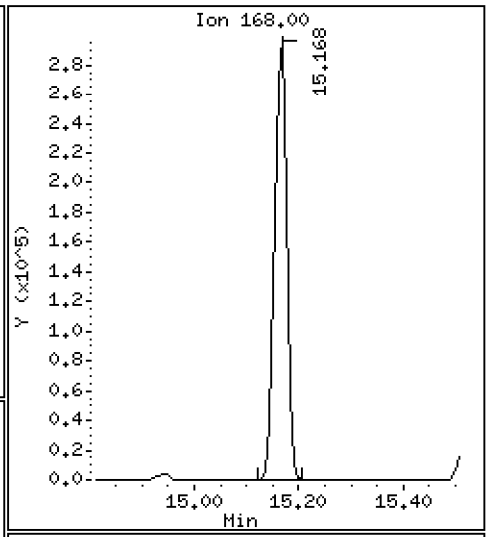
Column phase: ZB-5msi

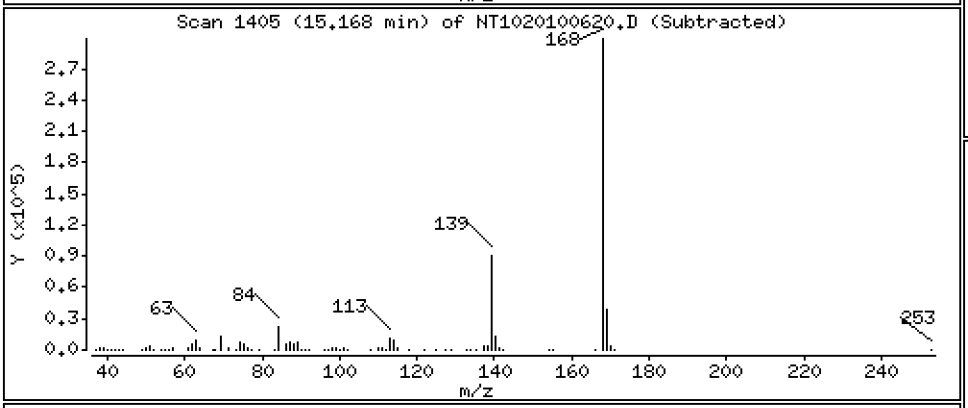
Column diameter: 0.25

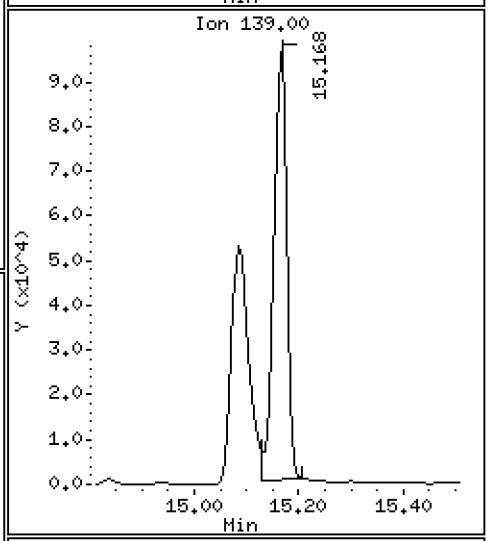
46 Dibenzofuran

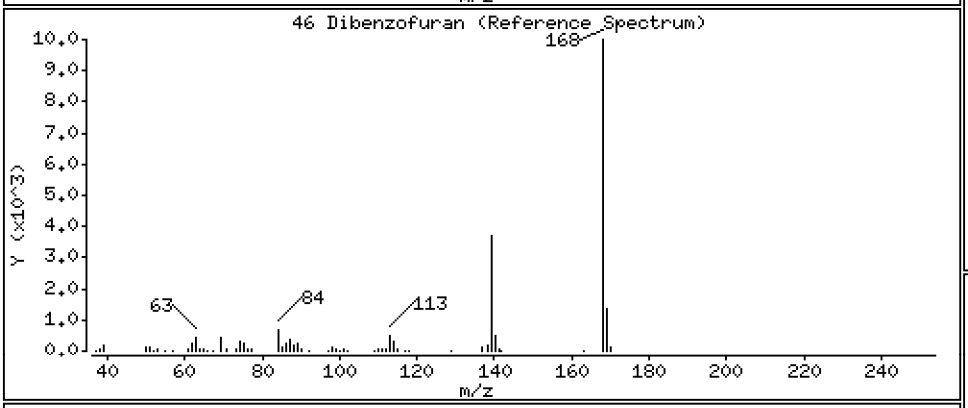
Concentration: 5.293 ug/mL

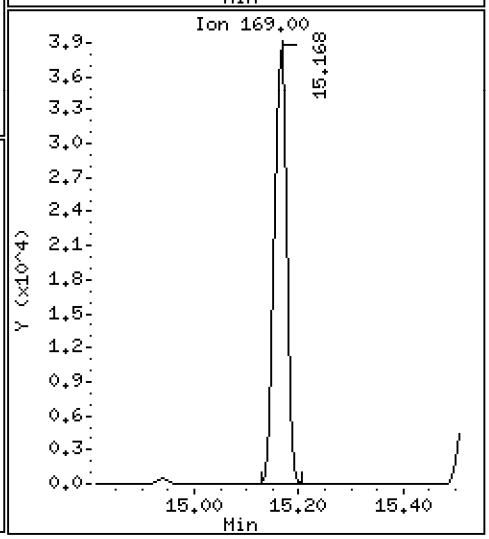


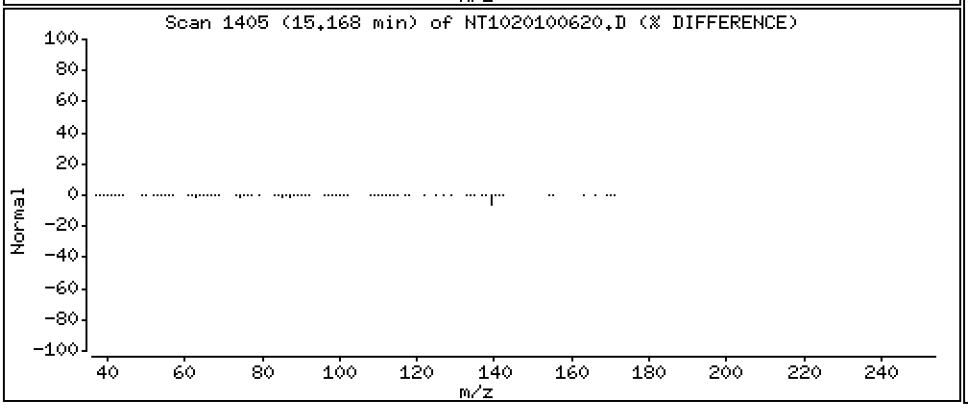












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

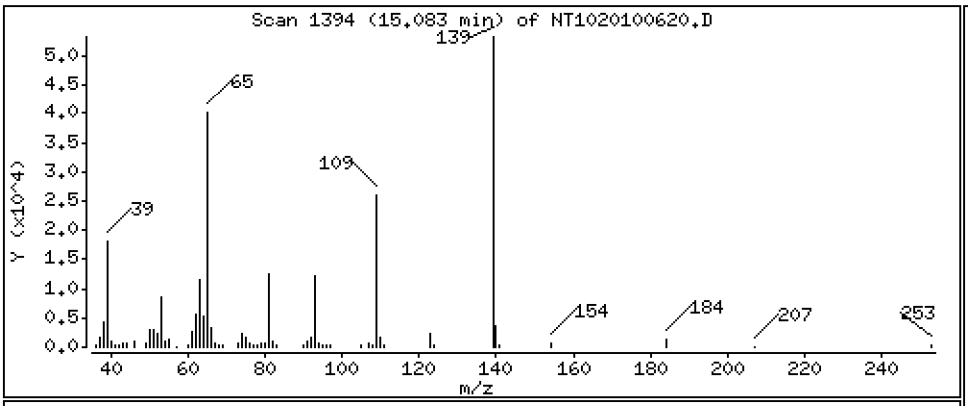
Operator: VTS

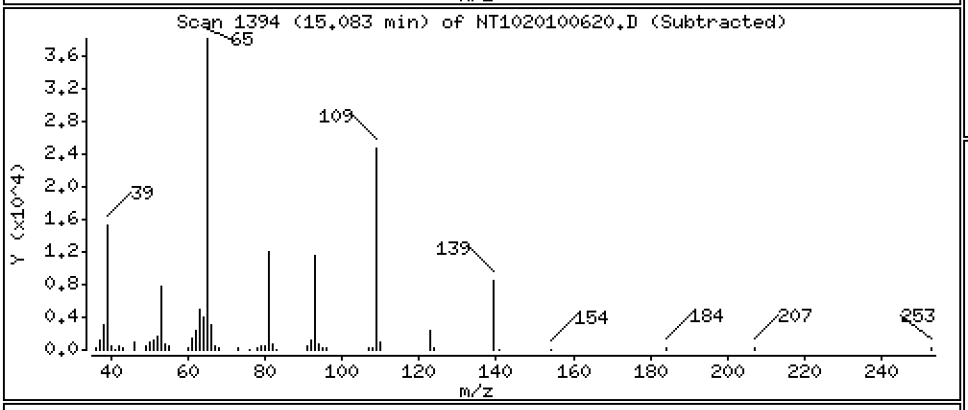
Column phase: ZB-5msi

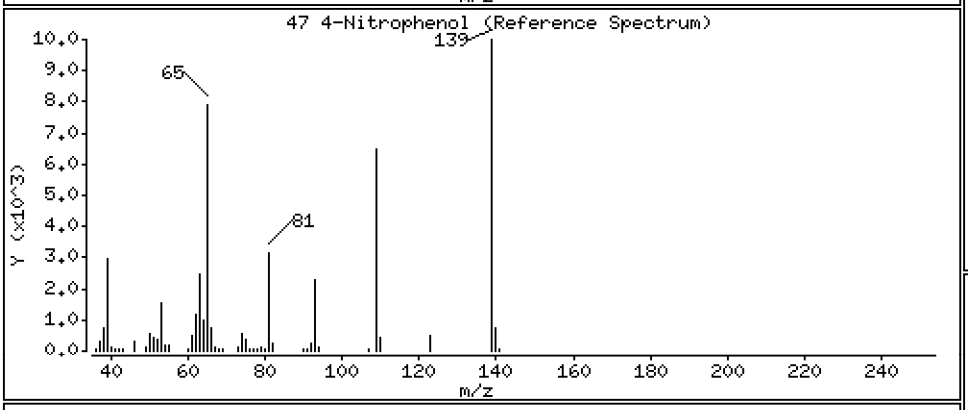
Column diameter: 0.25

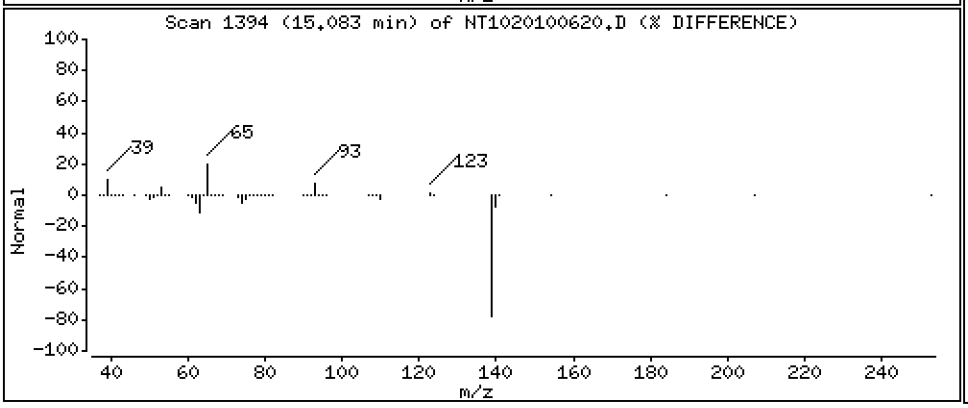
47 4-Nitrophenol

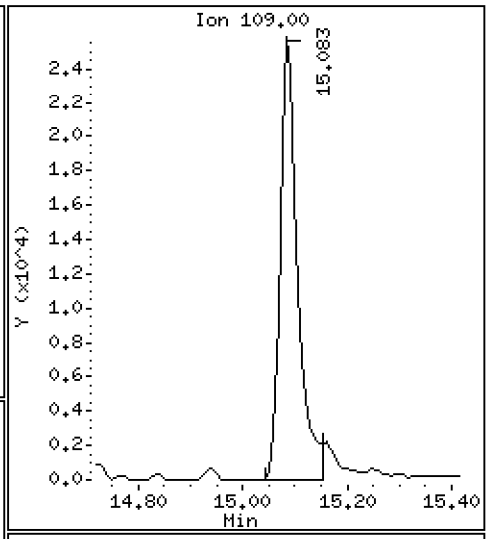
Concentration: 9.907 ug/mL

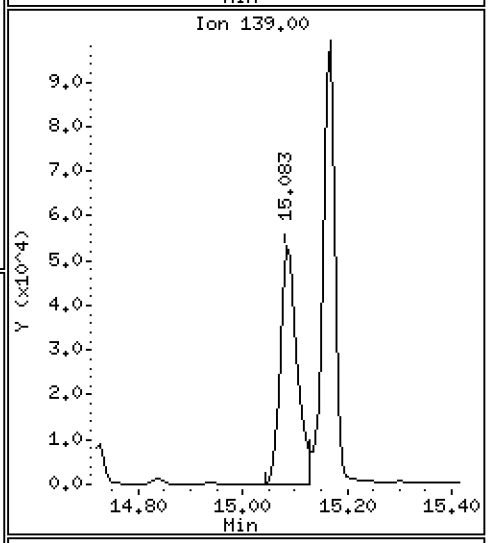


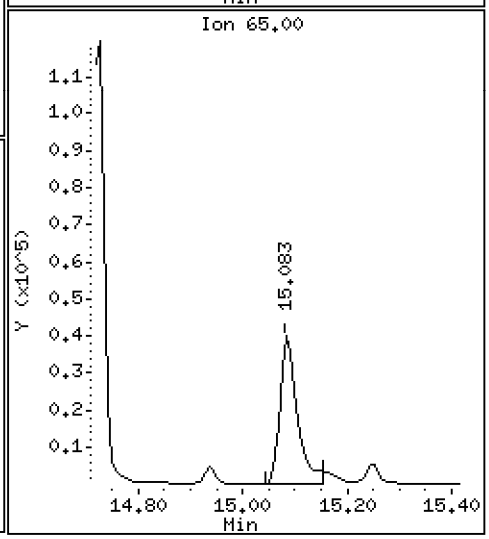












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

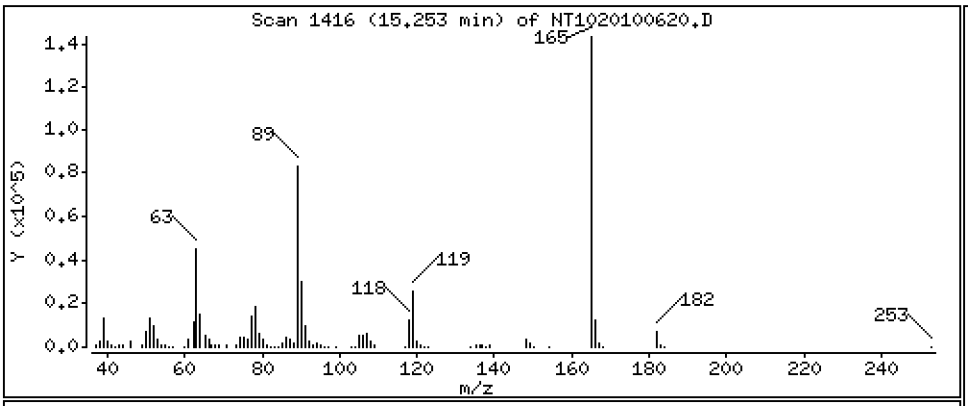
Operator: VTS

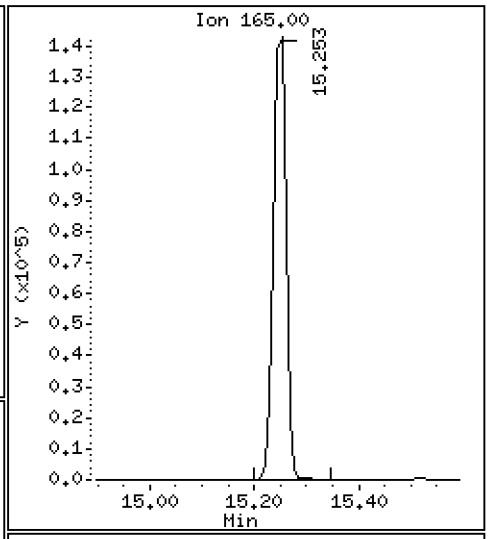
Column phase: ZB-5msi

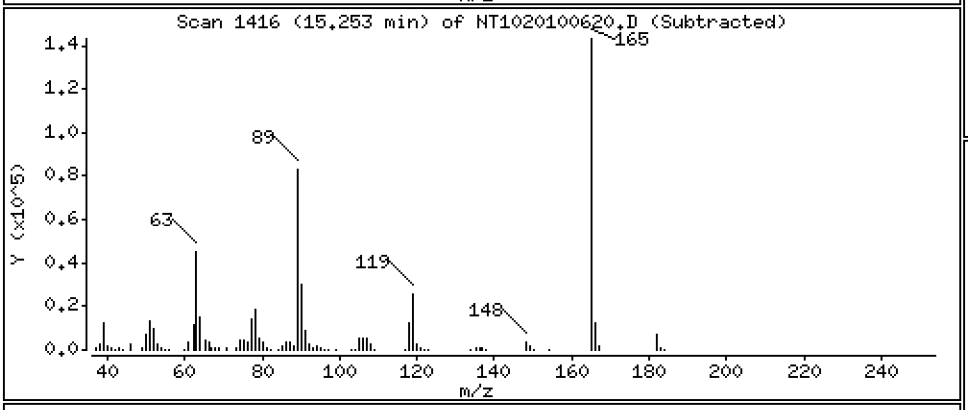
Column diameter: 0.25

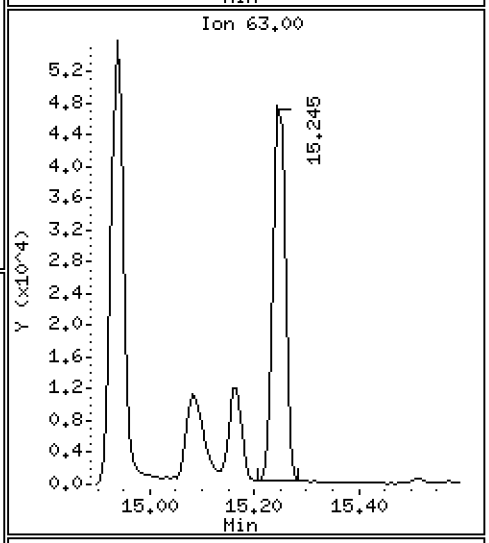
48 2,4-Dinitrotoluene

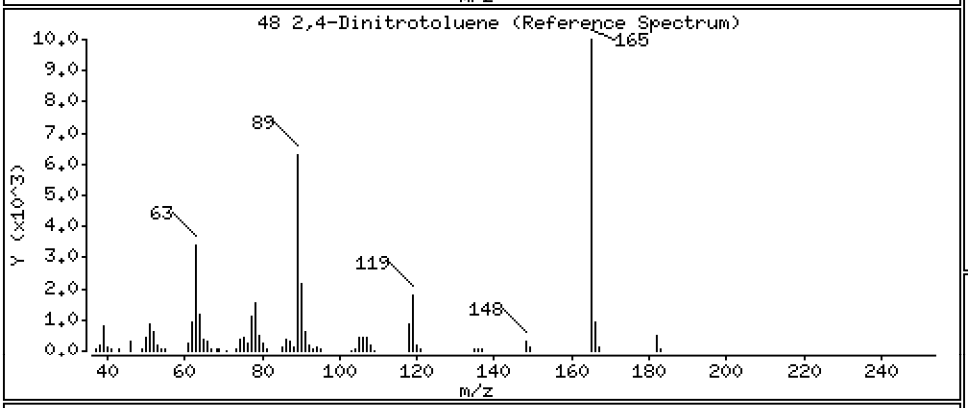
Concentration: 10.83 ug/mL

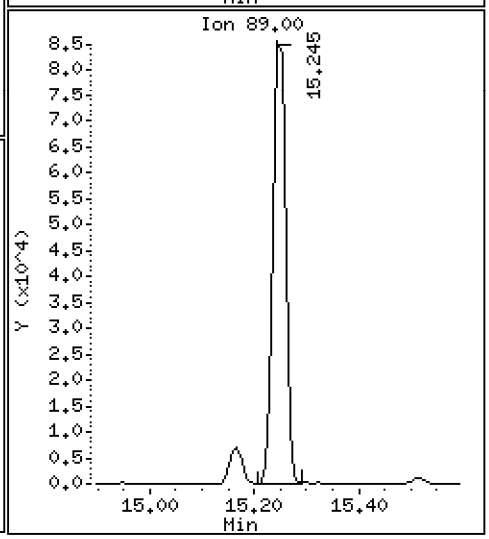


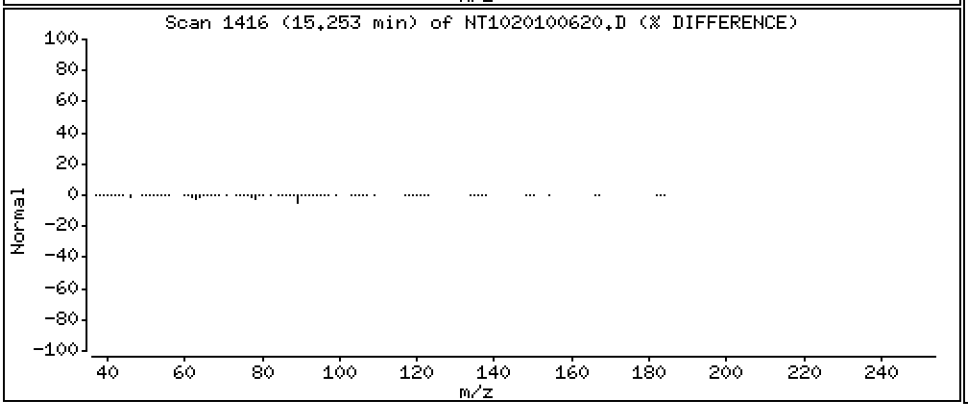












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

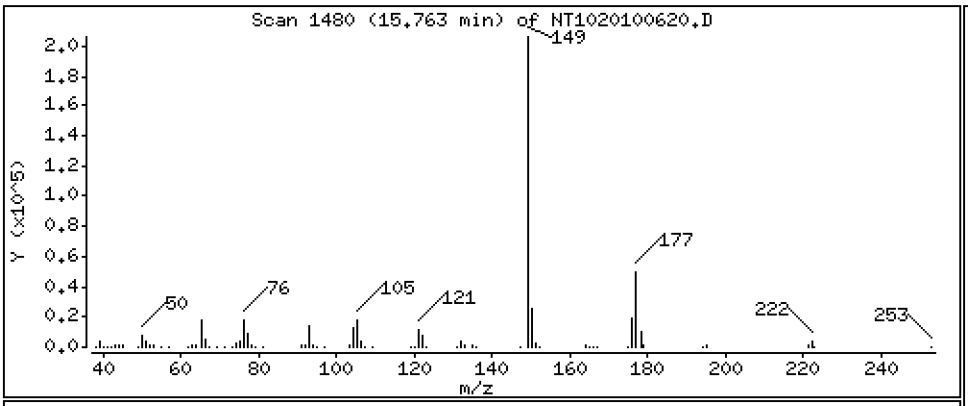
Operator: VTS

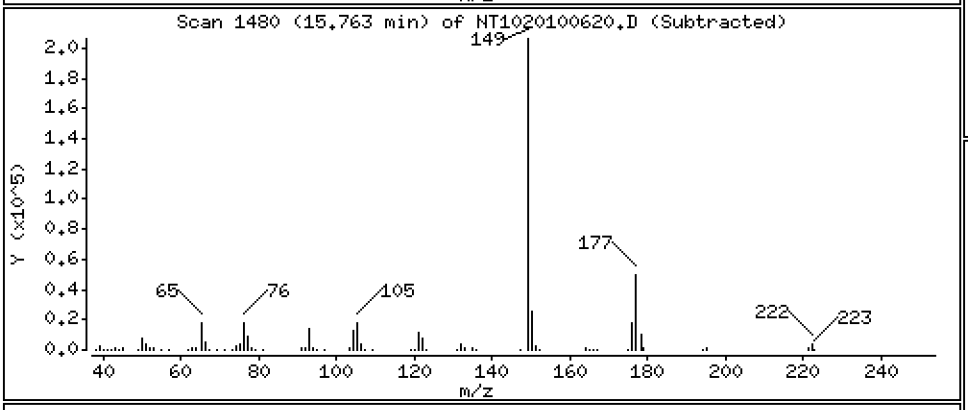
Column phase: ZB-5msi

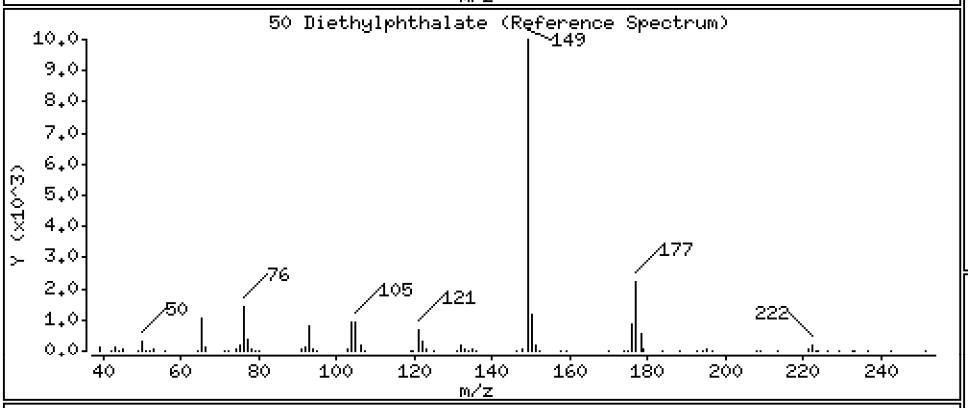
Column diameter: 0.25

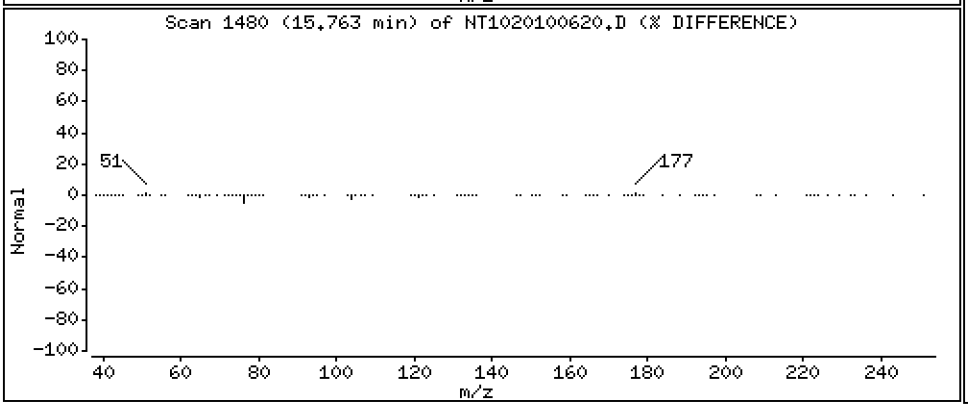
50 Diethylphthalate

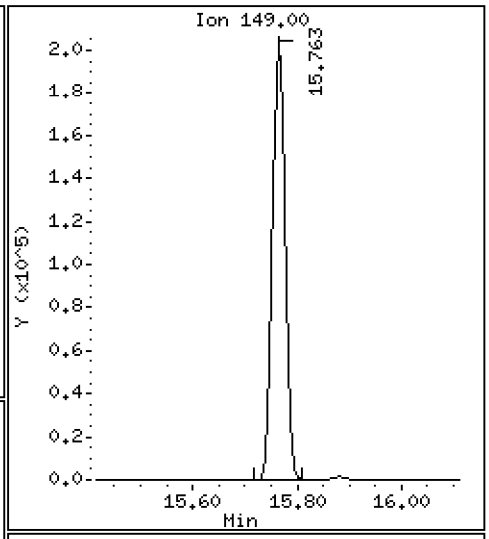
Concentration: 5.087 ug/mL

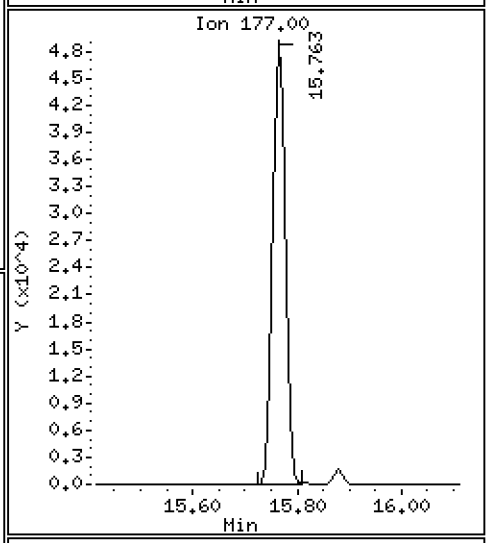


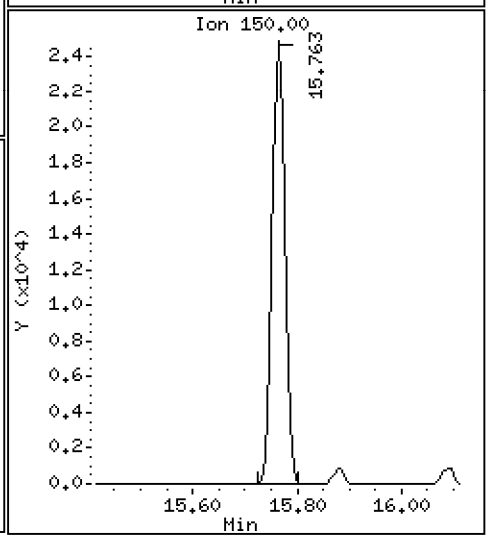












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

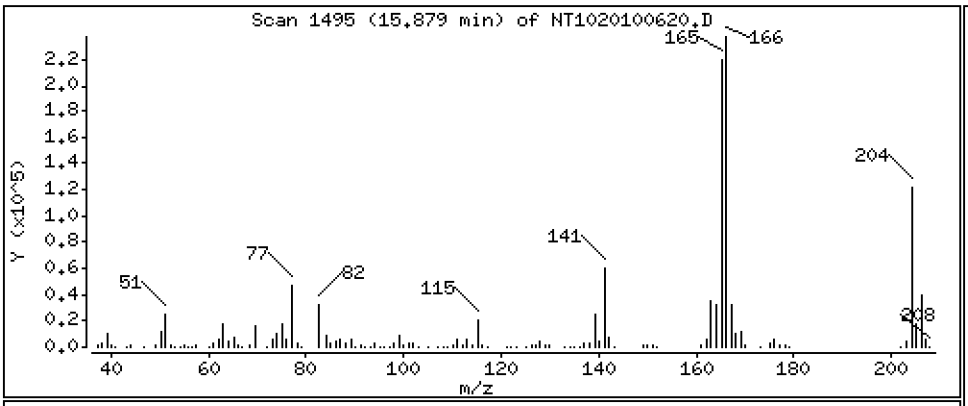
Operator: VTS

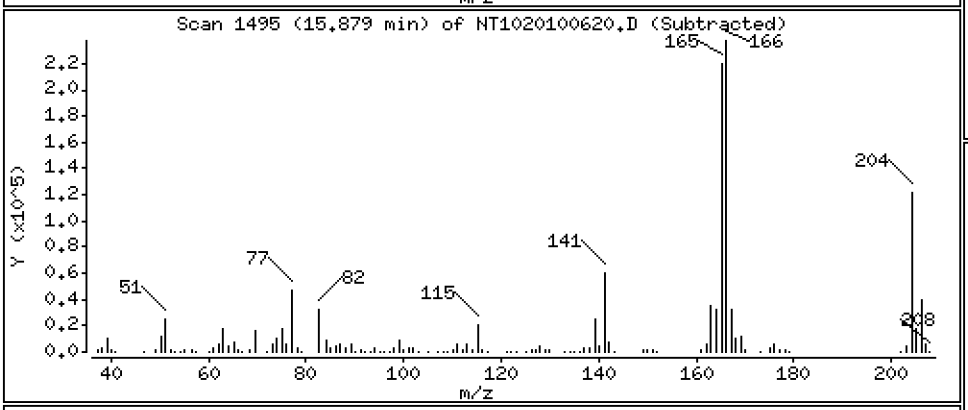
Column phase: ZB-5msi

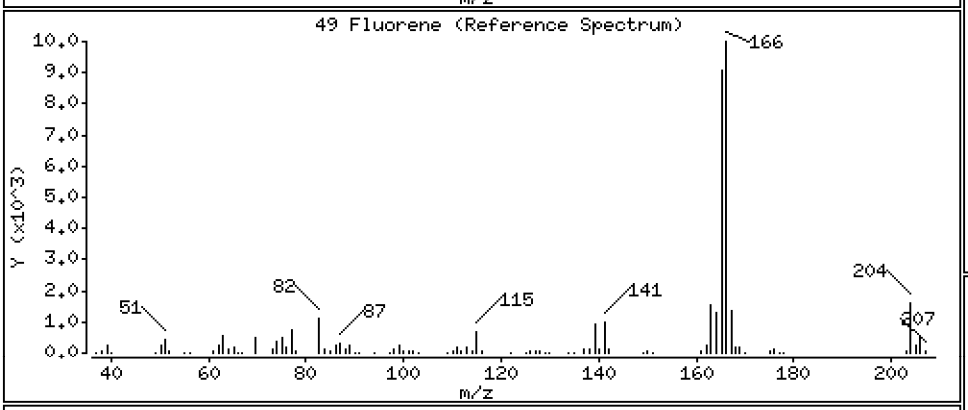
Column diameter: 0.25

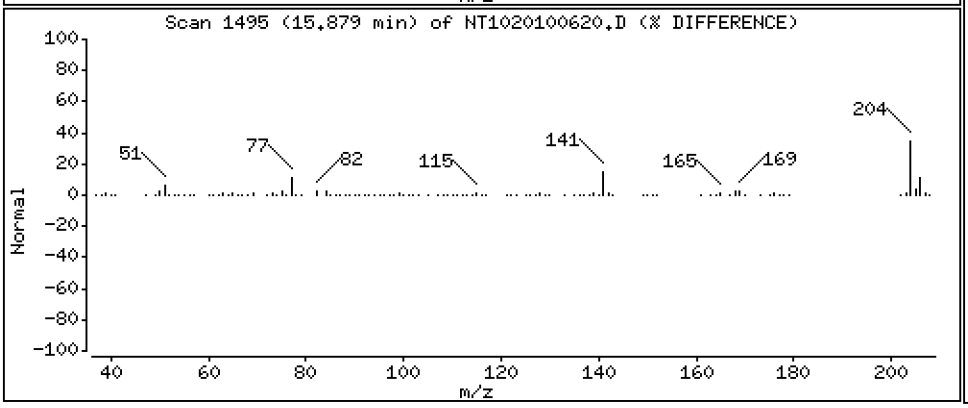
49 Fluorene

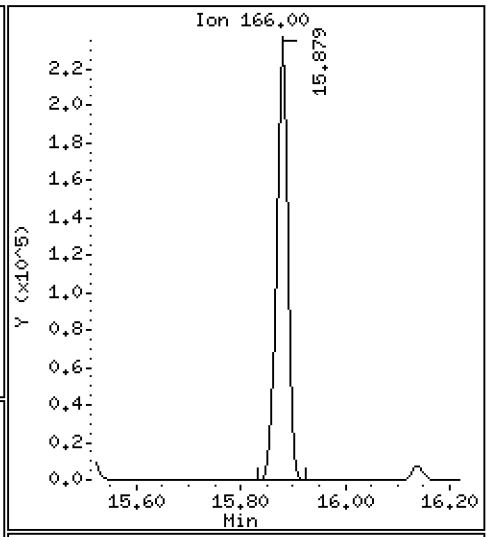
Concentration: 4.917 ug/mL

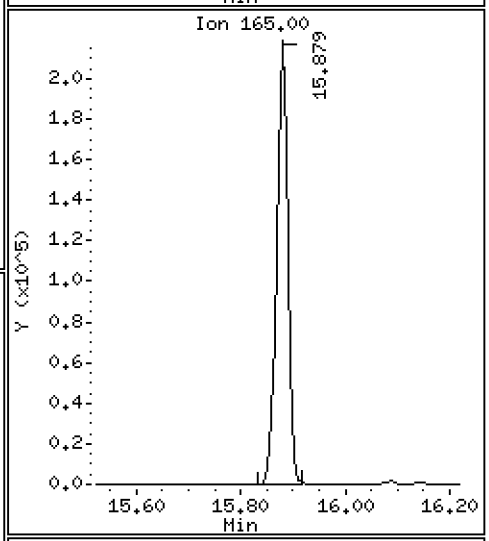


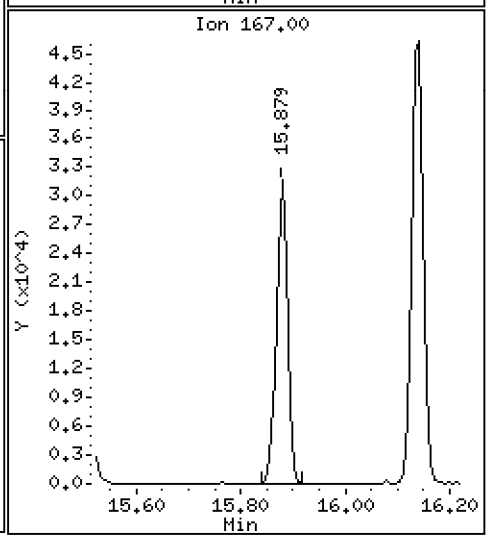












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

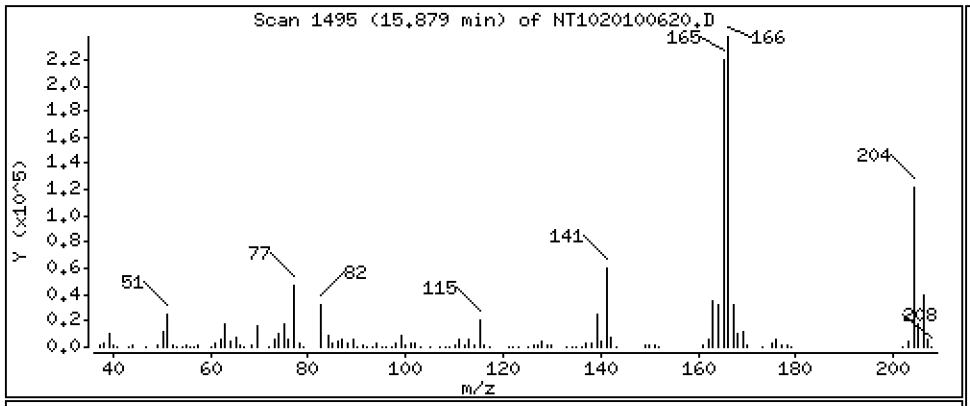
Operator: VTS

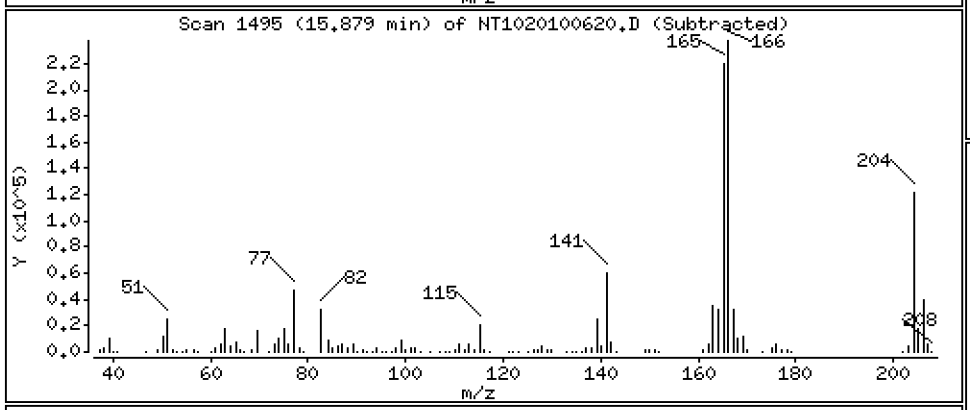
Column phase: ZB-5msi

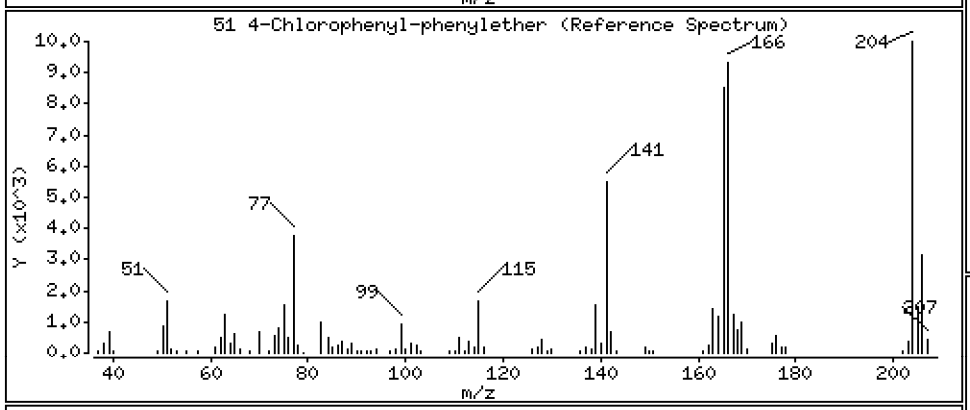
Column diameter: 0.25

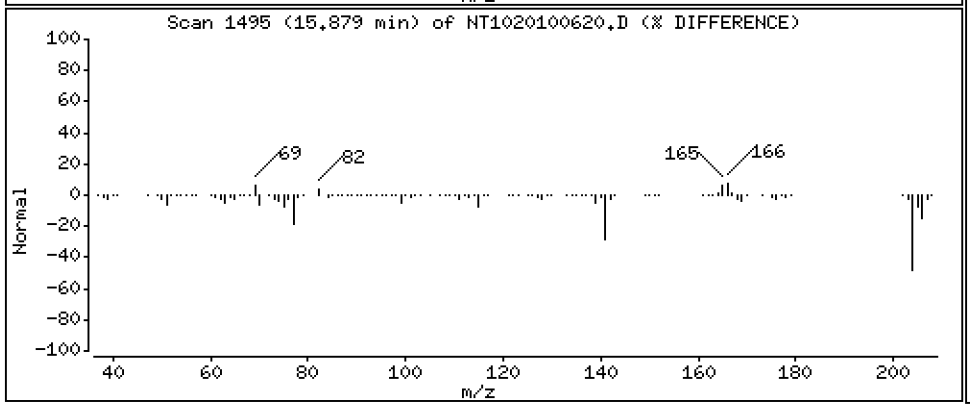
51 4-Chlorophenyl-phenylether

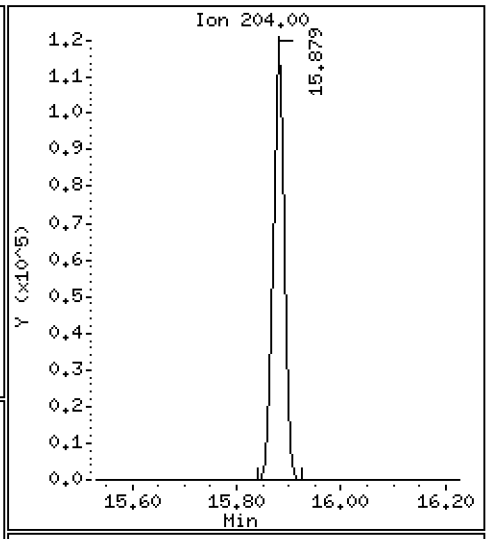
Concentration: 4.914 ug/mL

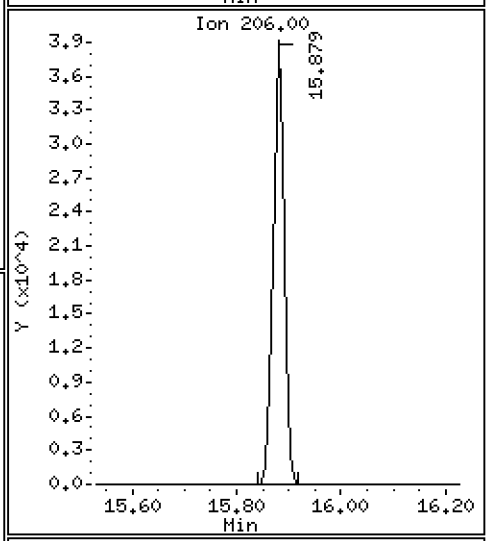


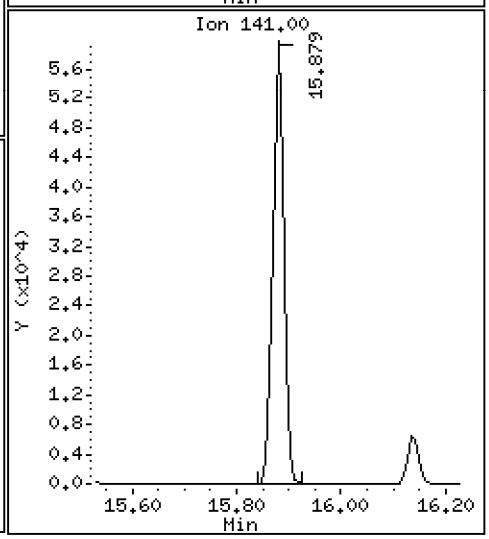












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

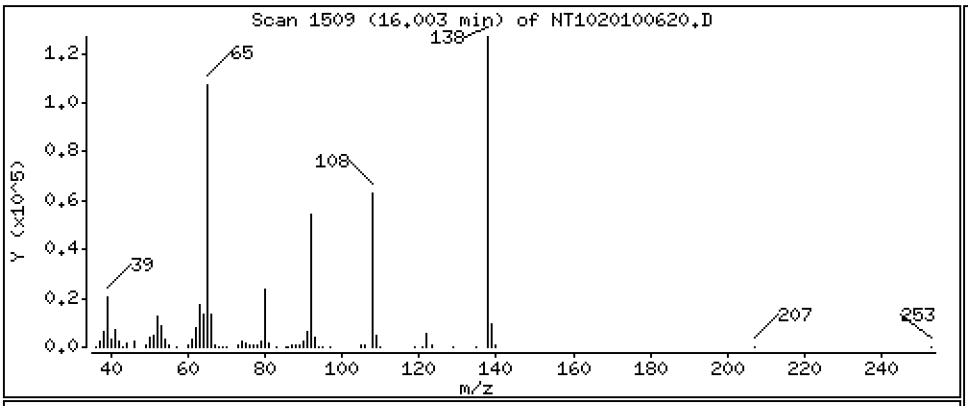
Operator: VTS

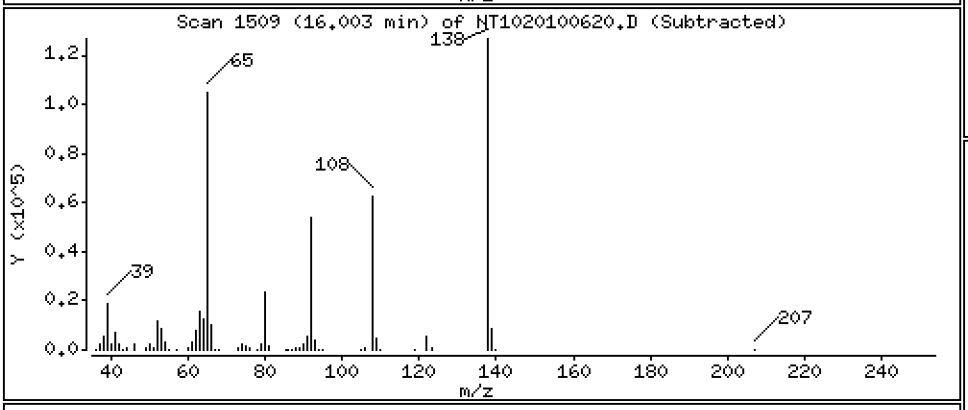
Column phase: ZB-5msi

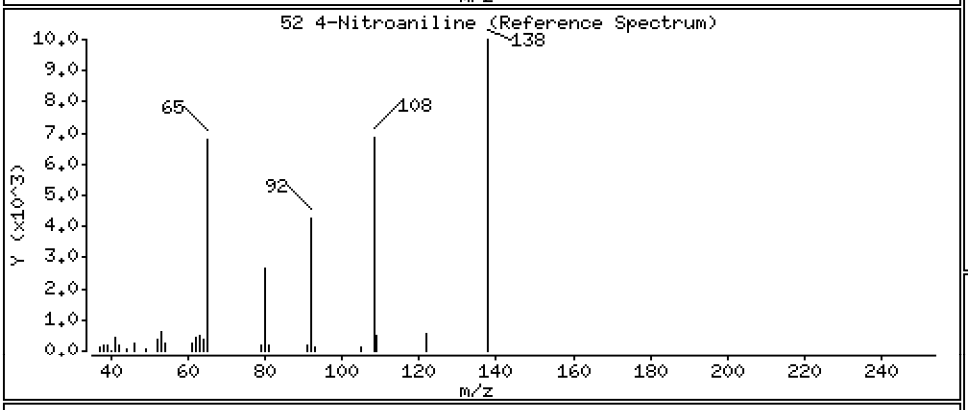
Column diameter: 0.25

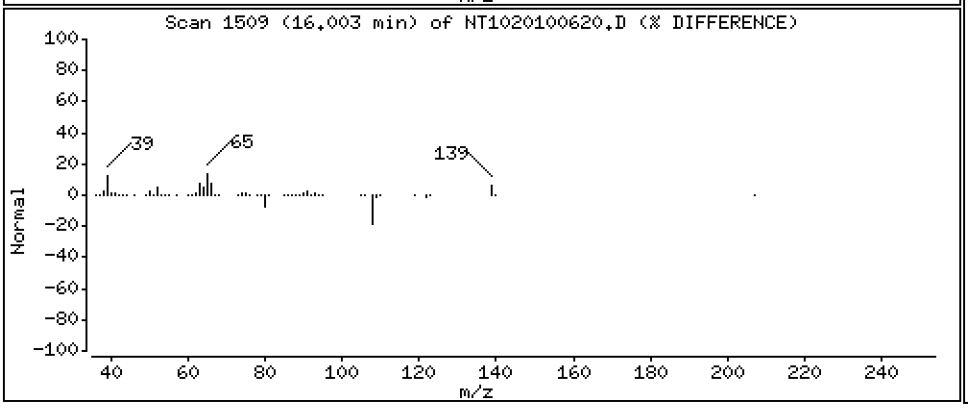
52 4-Nitroaniline

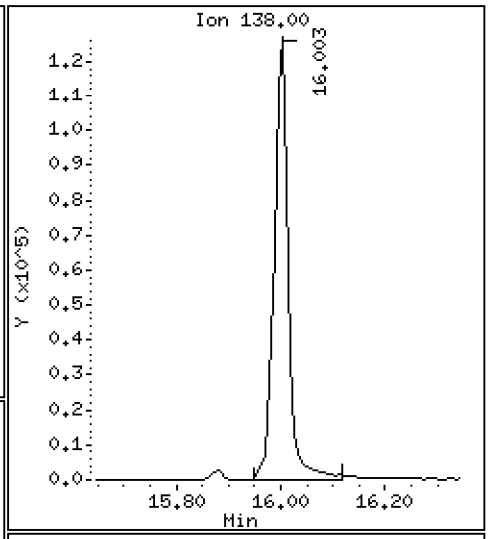
Concentration: 14.03 ug/mL

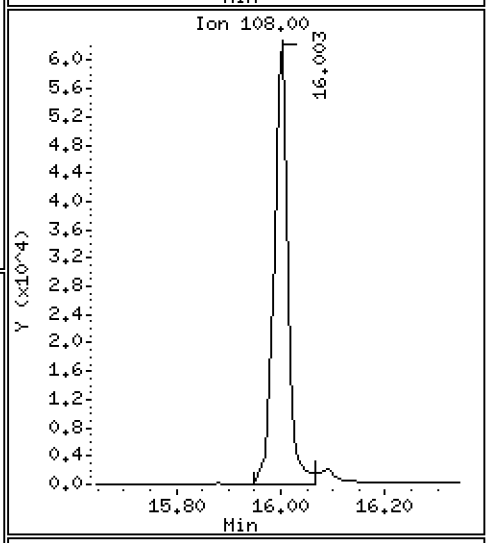


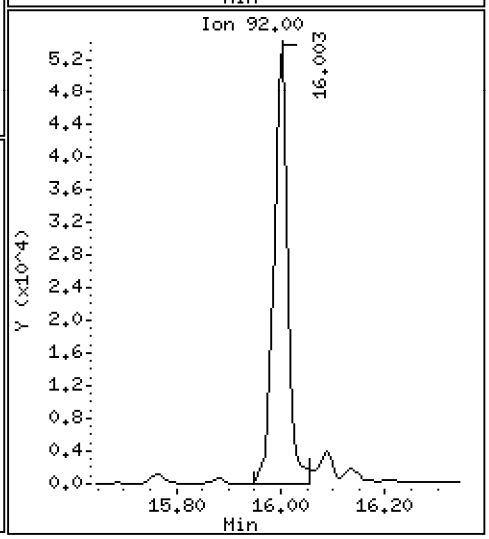












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

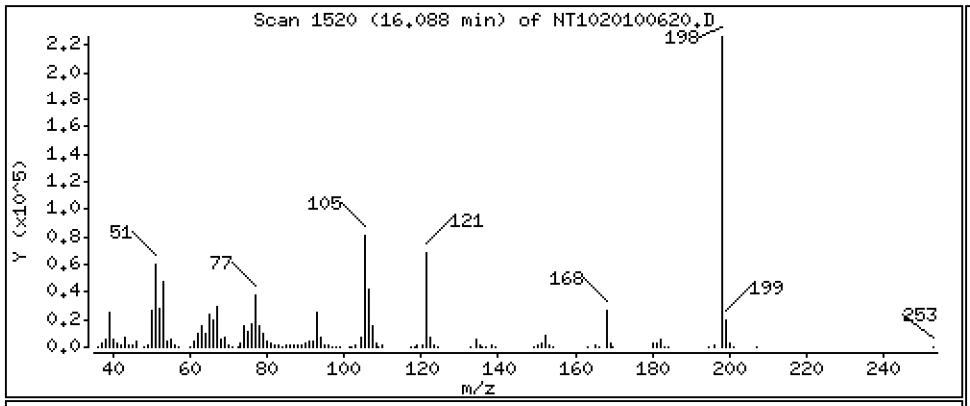
Operator: VTS

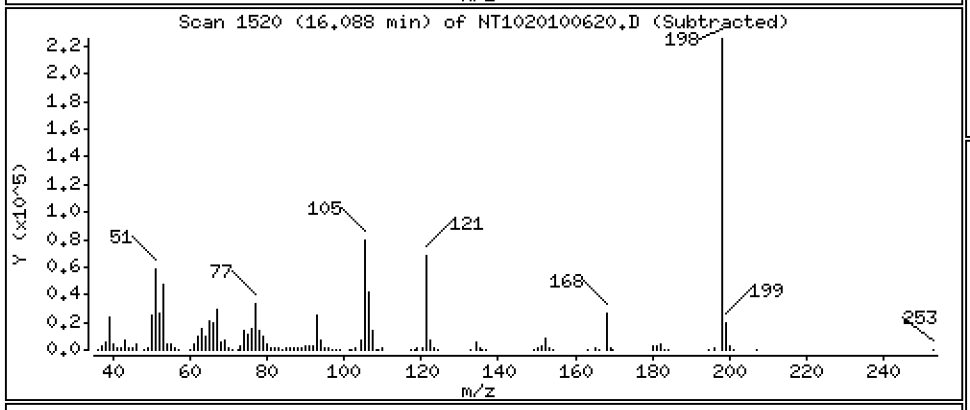
Column phase: ZB-5msi

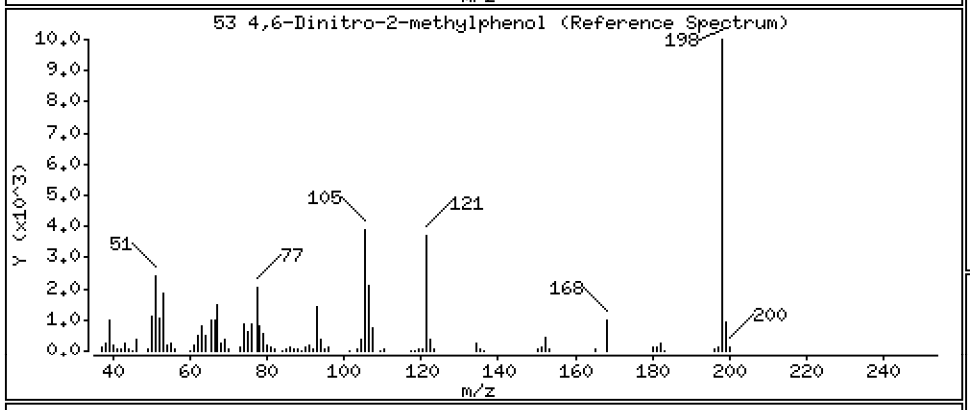
Column diameter: 0.25

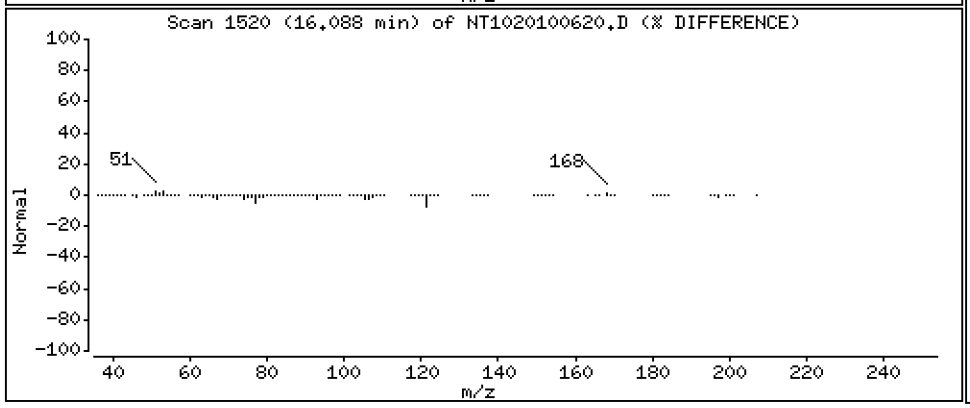
53 4,6-Dinitro-2-methylphenol

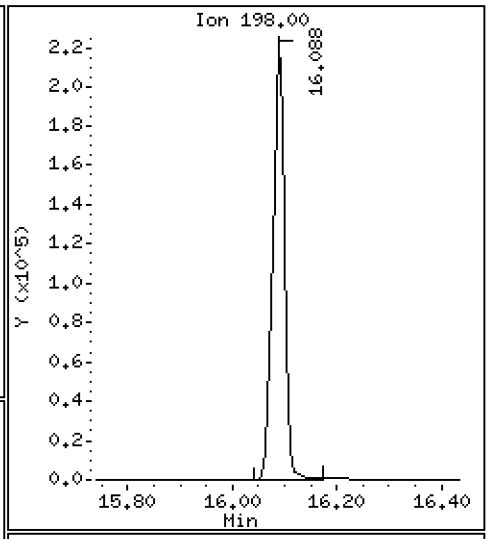
Concentration: 21.15 ug/mL

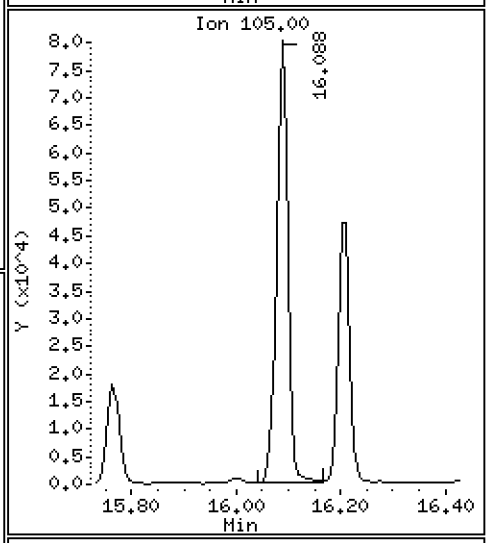


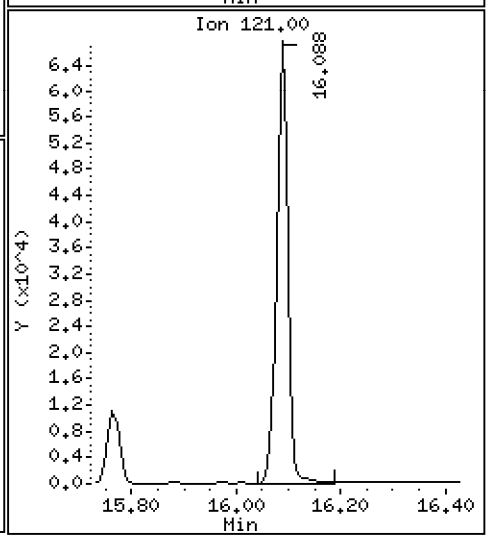












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

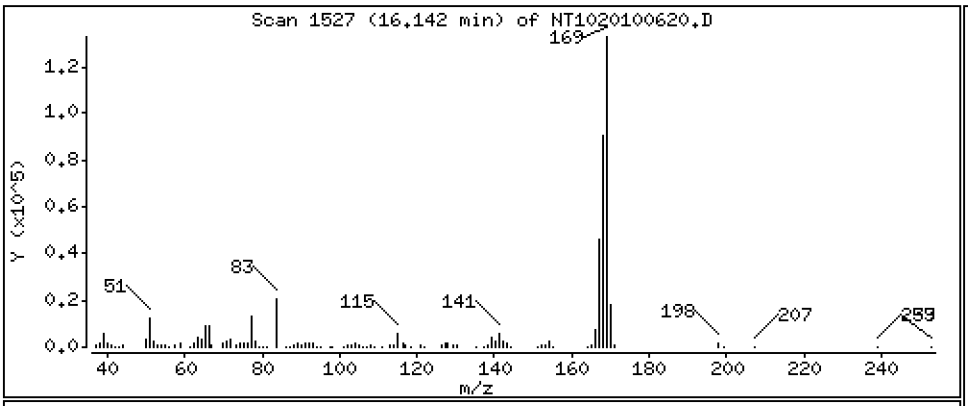
Operator: VTS

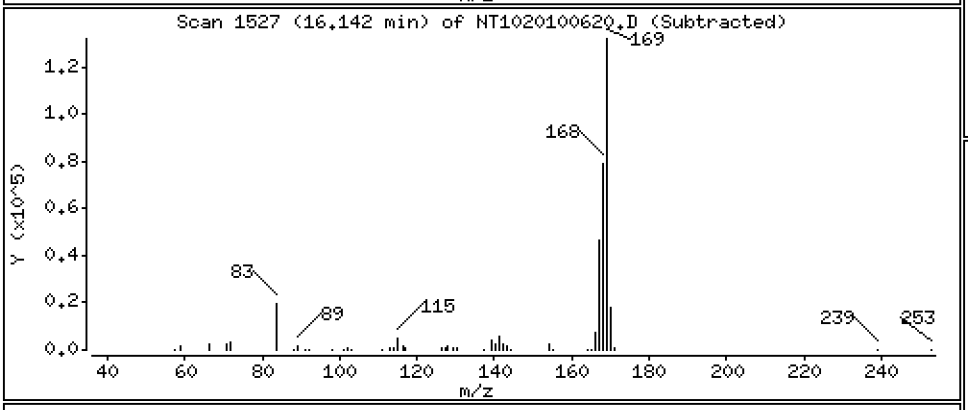
Column phase: ZB-5msi

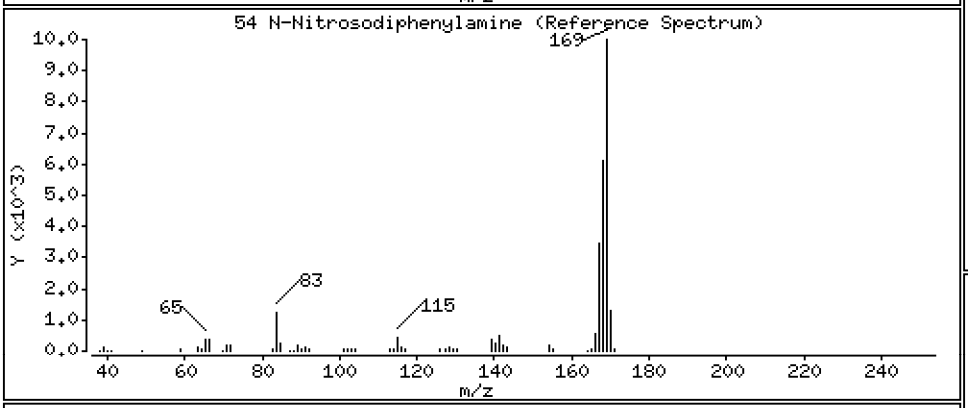
Column diameter: 0.25

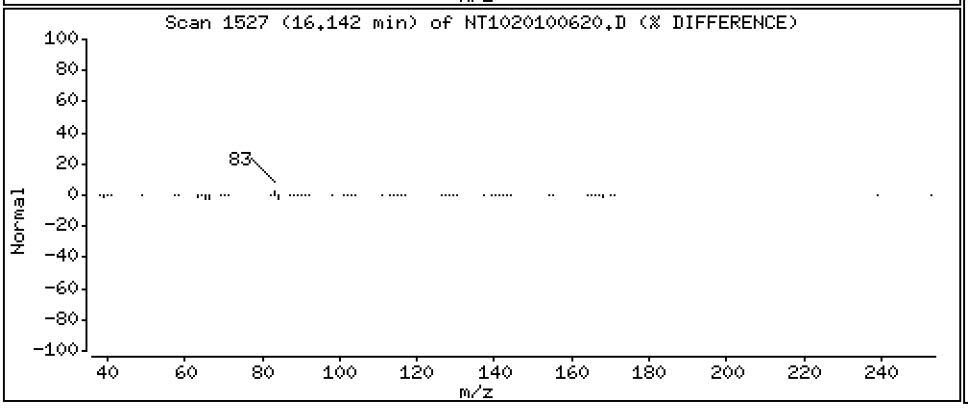
54 N-Nitrosodiphenylamine

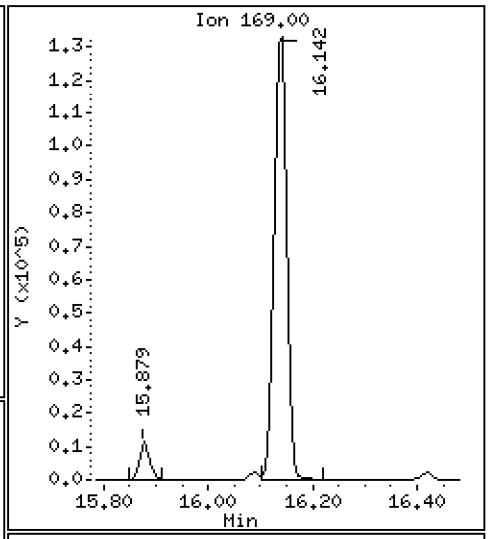
Concentration: 4.850 ug/mL

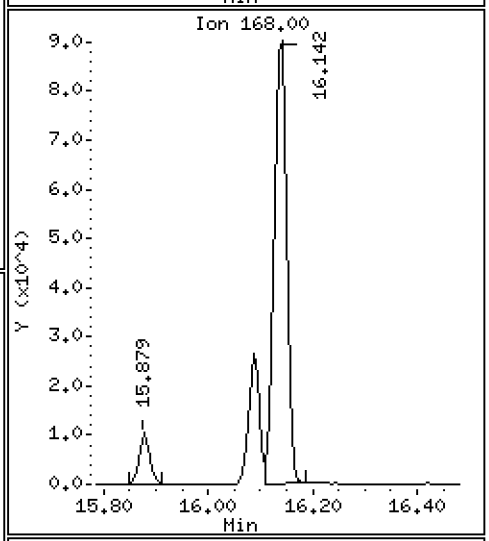


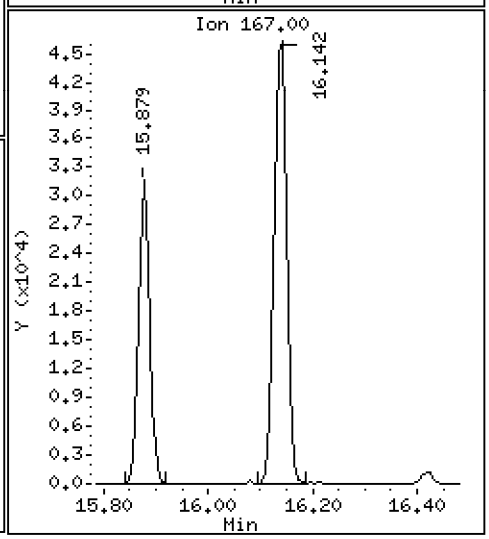












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

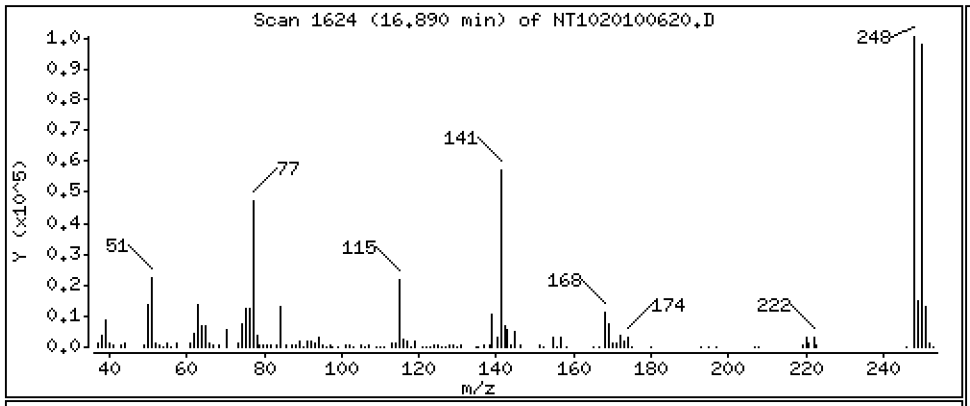
Operator: VTS

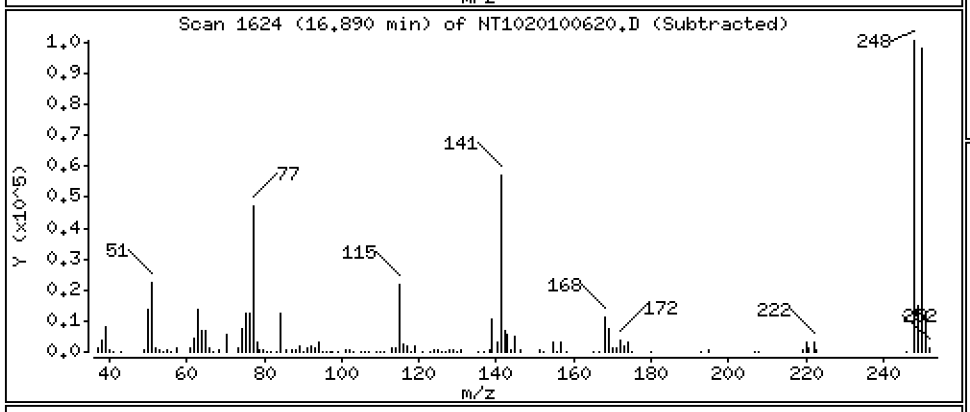
Column phase: ZB-5msi

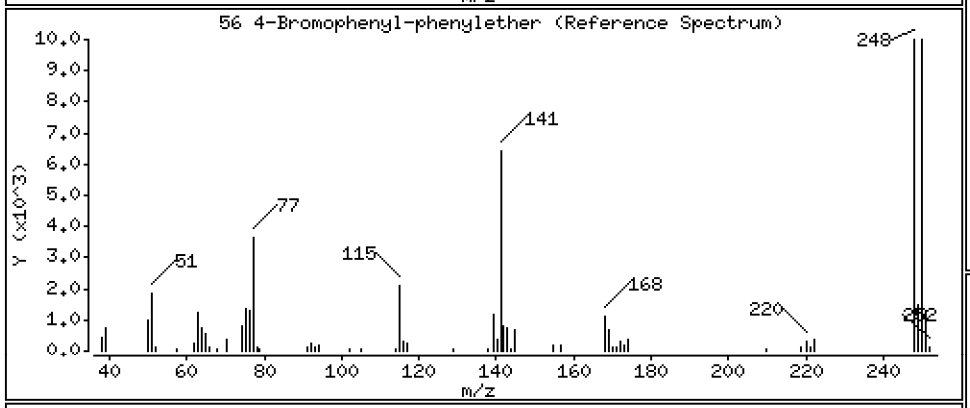
Column diameter: 0.25

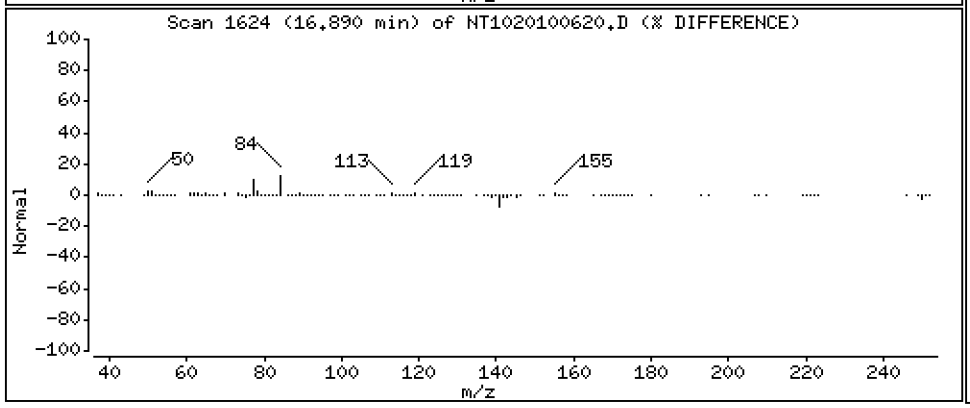
56 4-Bromophenyl-phenylether

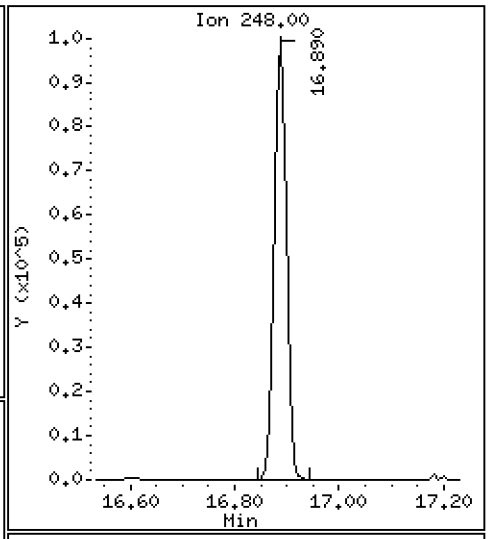
Concentration: 5.129 ug/mL

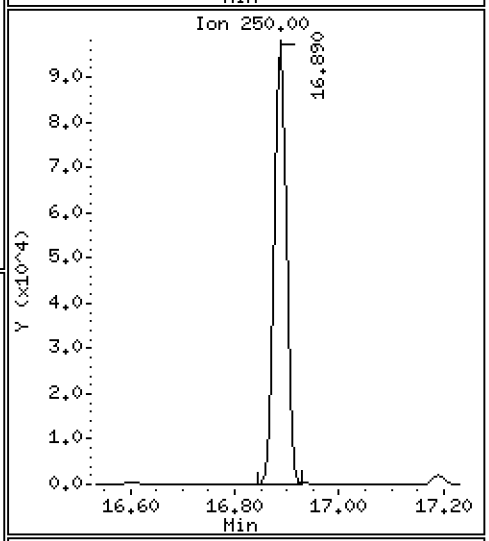


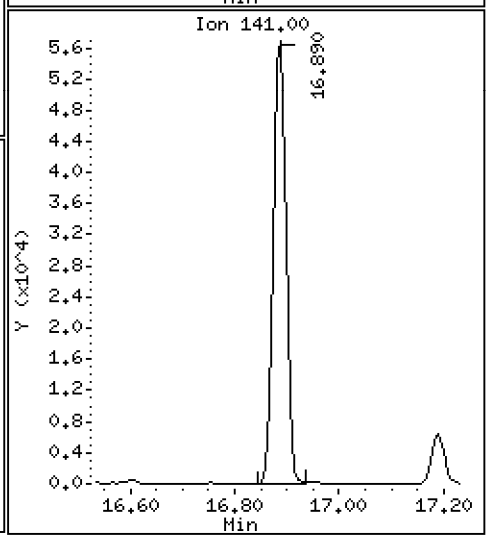












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

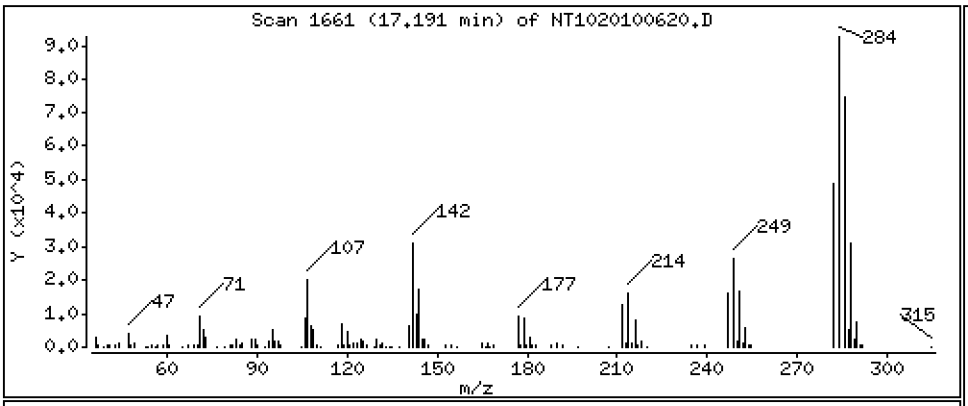
Operator: VTS

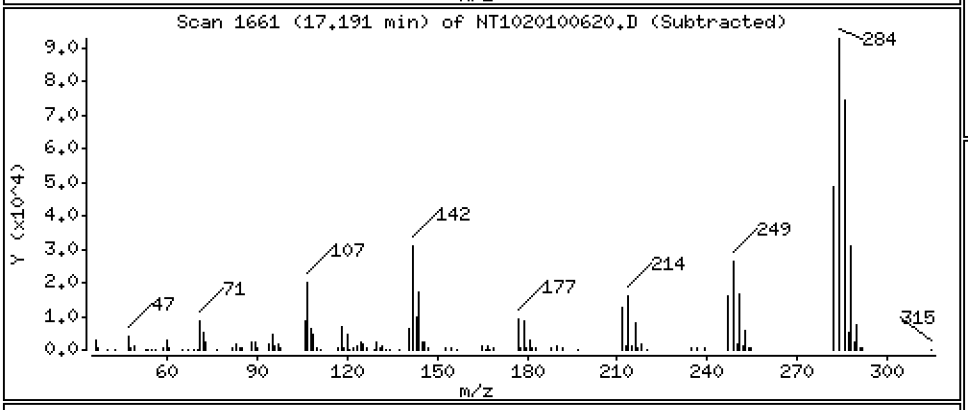
Column phase: ZB-5msi

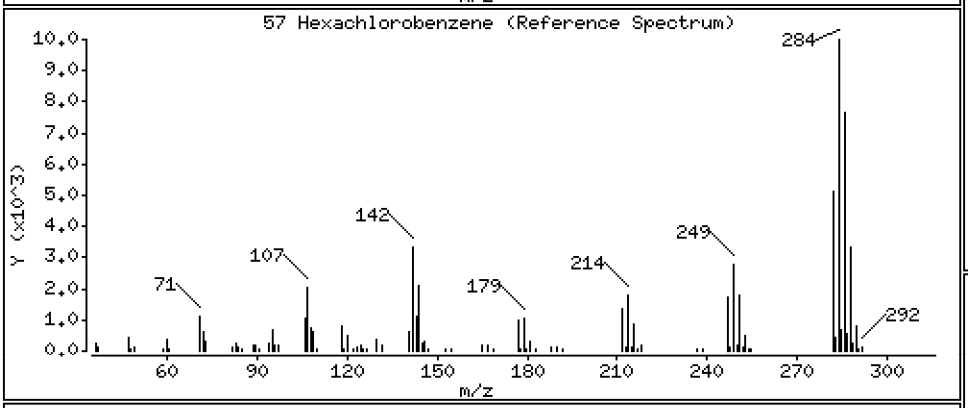
Column diameter: 0.25

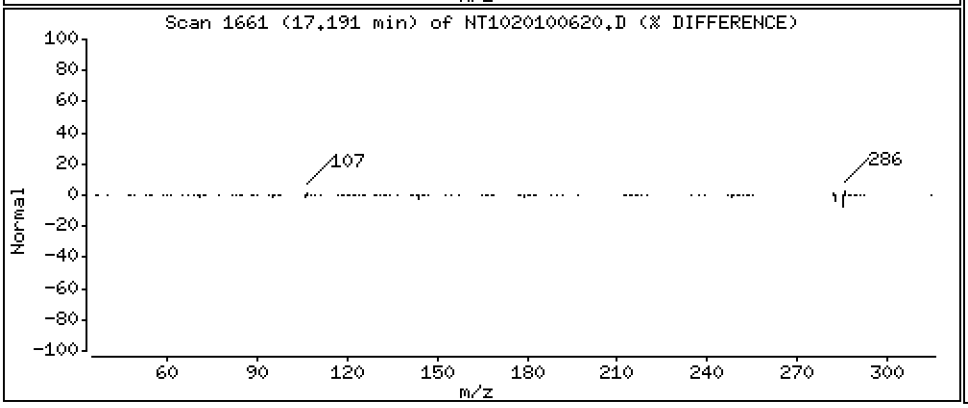
57 Hexachlorobenzene

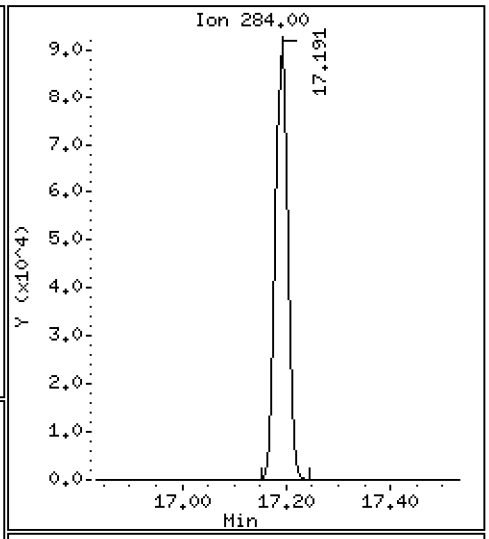
Concentration: 4.857 ug/mL

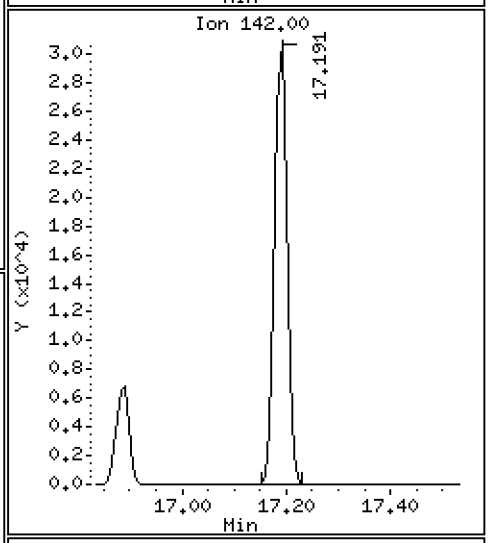


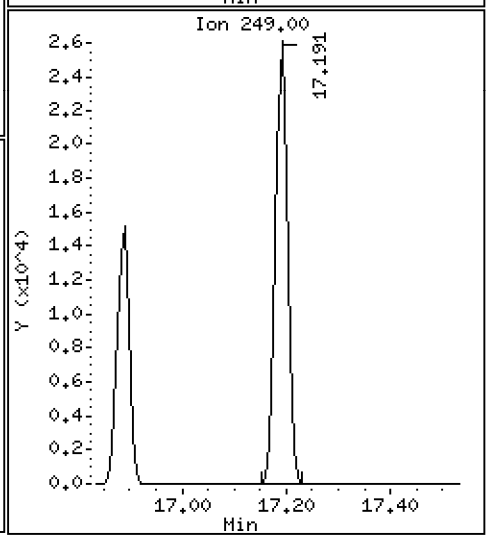












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

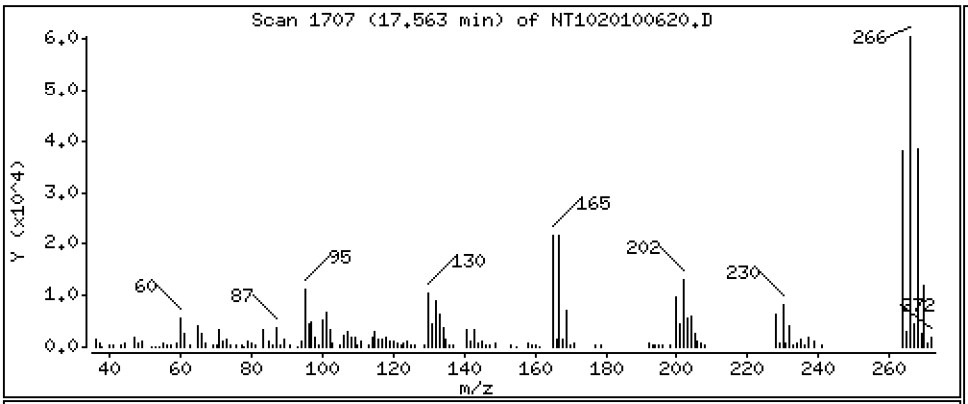
Operator: VTS

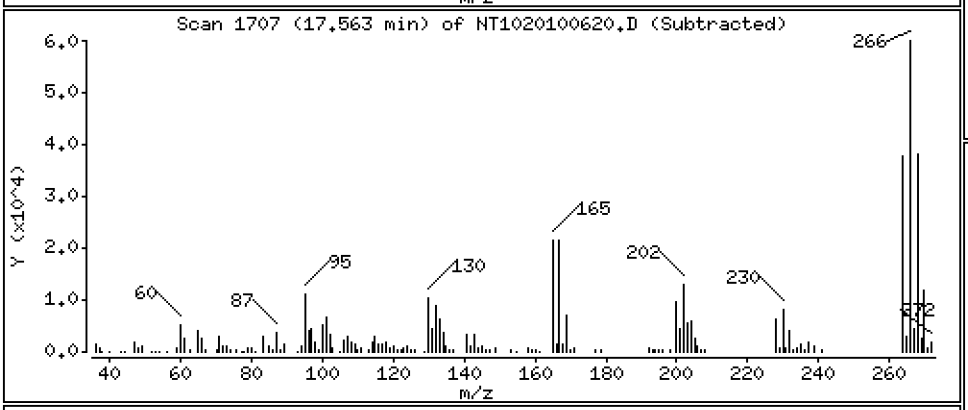
Column phase: ZB-5msi

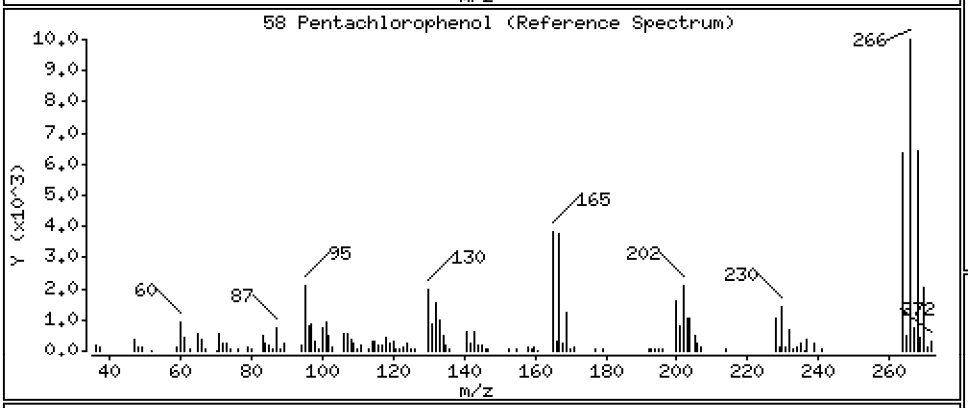
Column diameter: 0.25

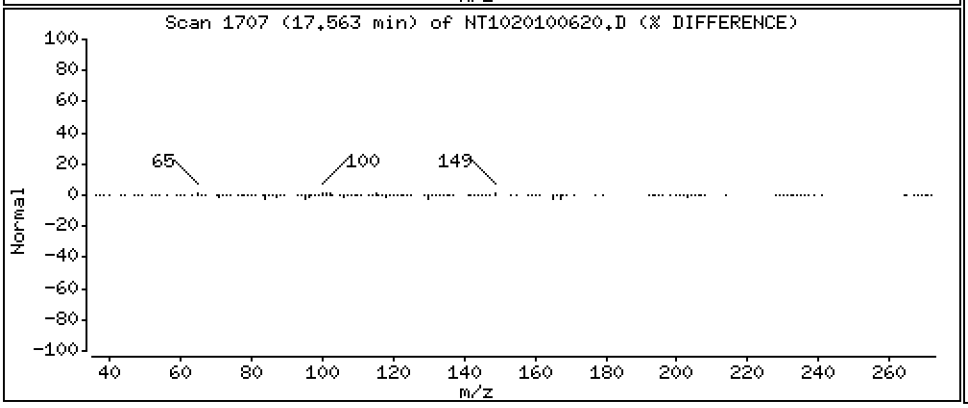
58 Pentachlorophenol

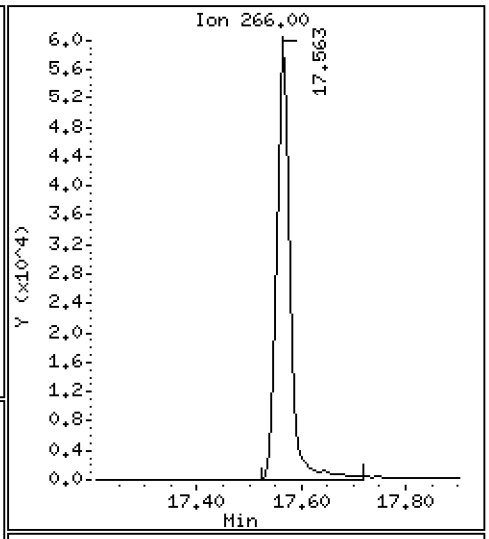
Concentration: 8.729 ug/mL

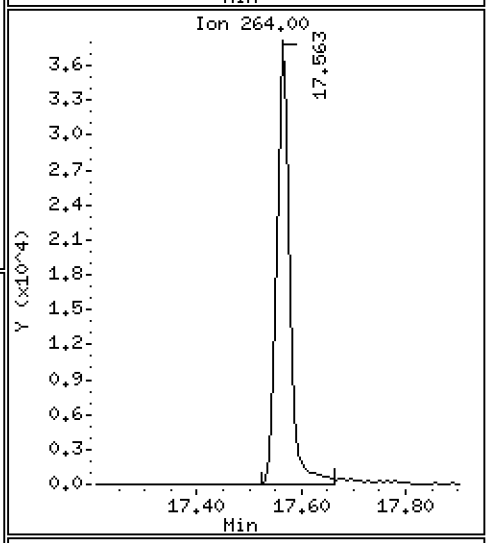


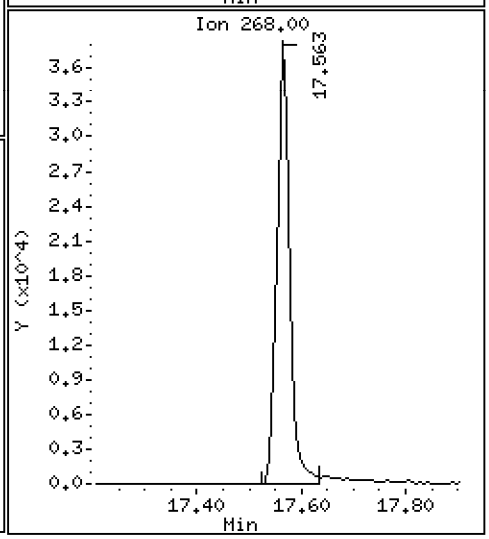












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

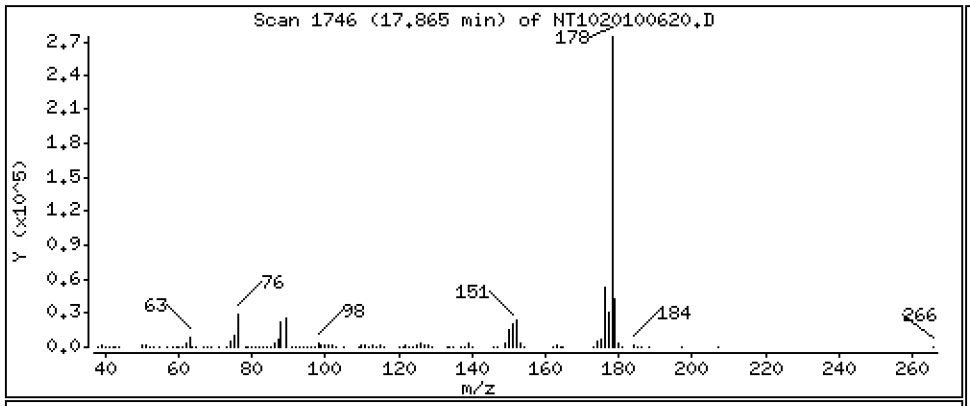
Operator: VTS

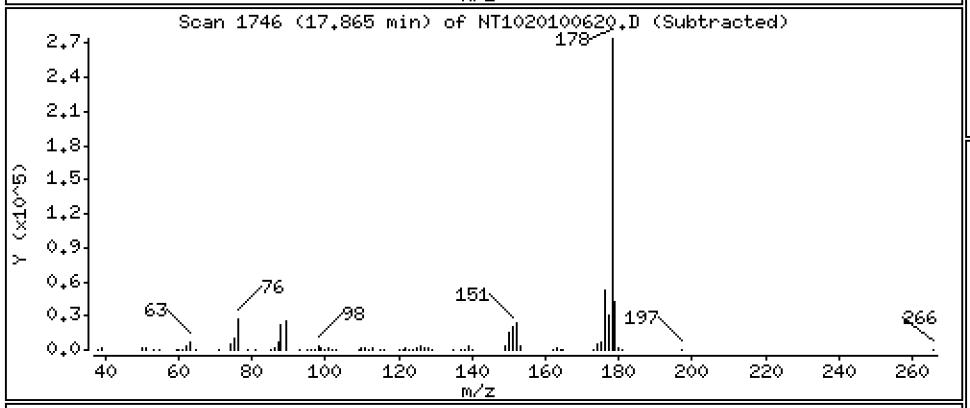
Column phase: ZB-5msi

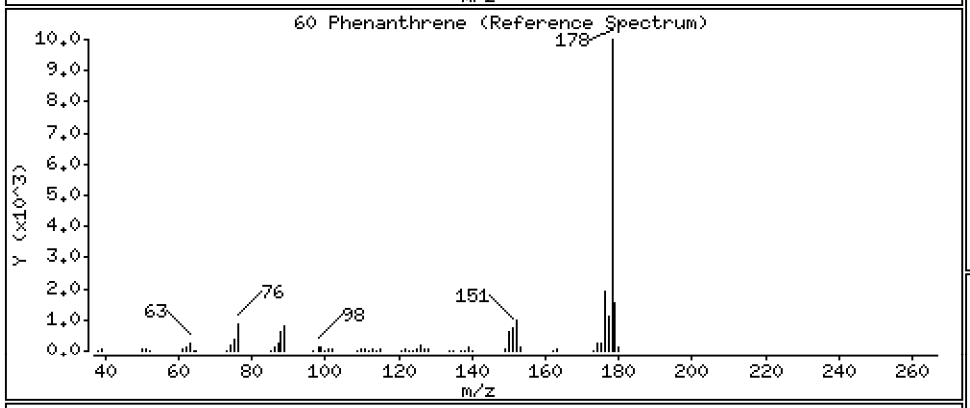
Column diameter: 0.25

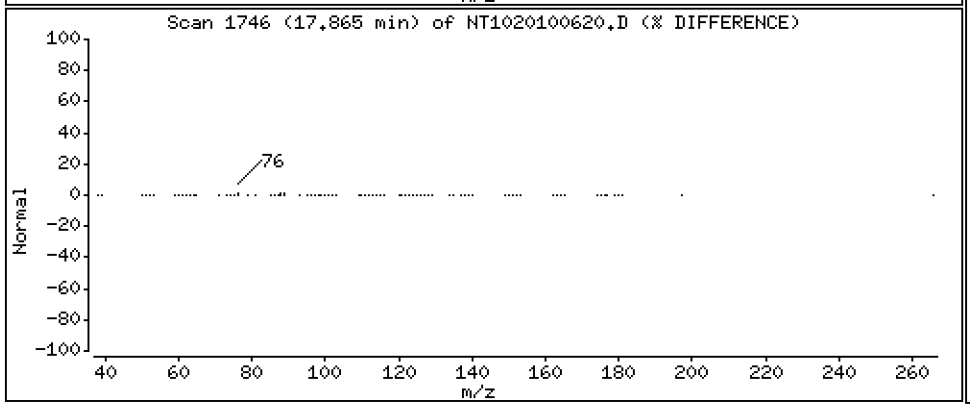
60 Phenanthrene

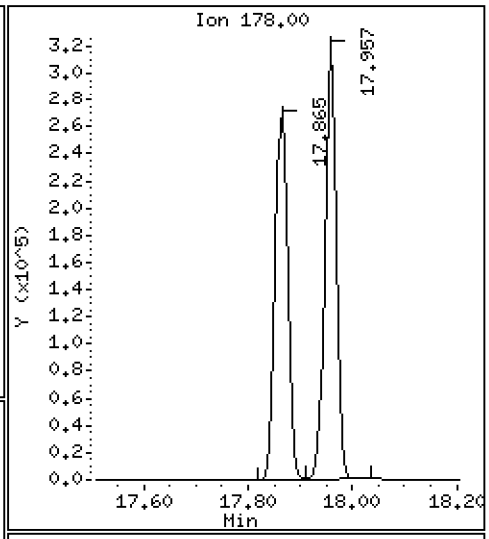
Concentration: 4.914 ug/mL

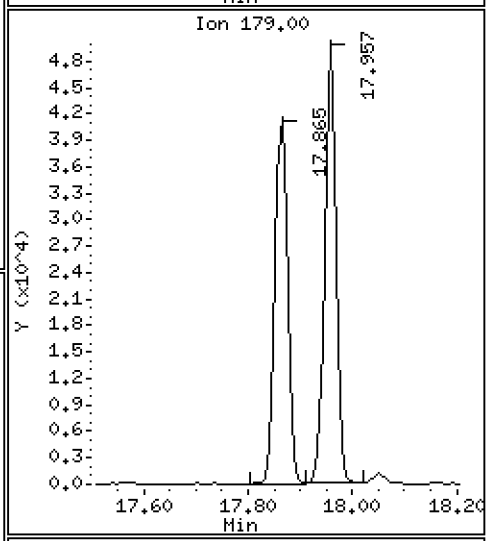


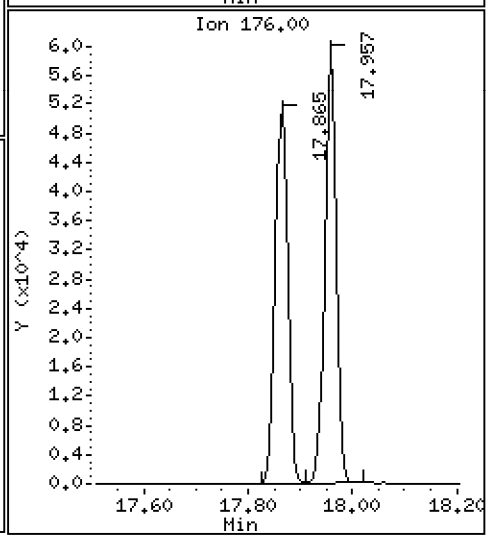












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

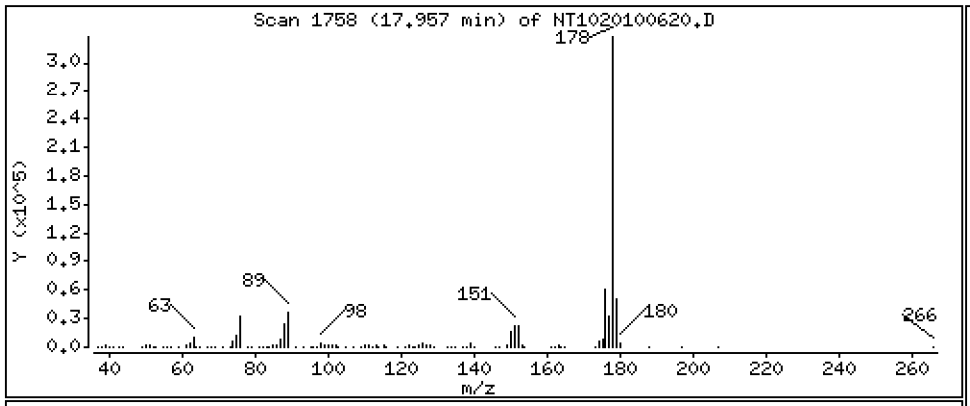
Operator: VTS

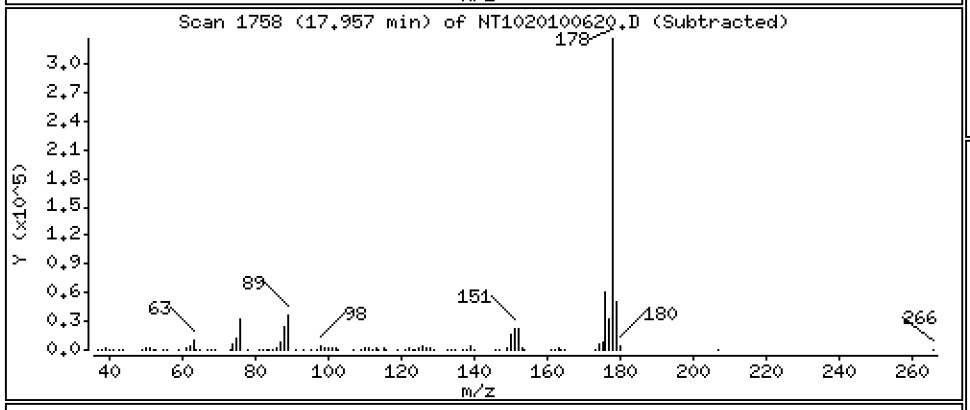
Column phase: ZB-5msi

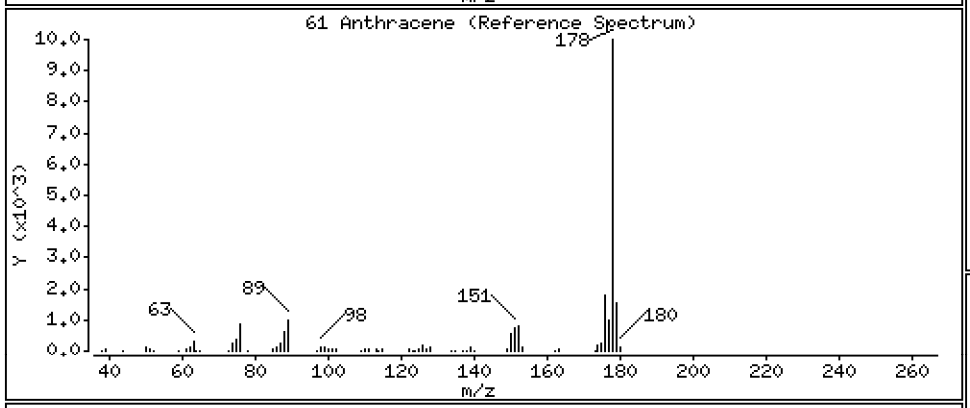
Column diameter: 0.25

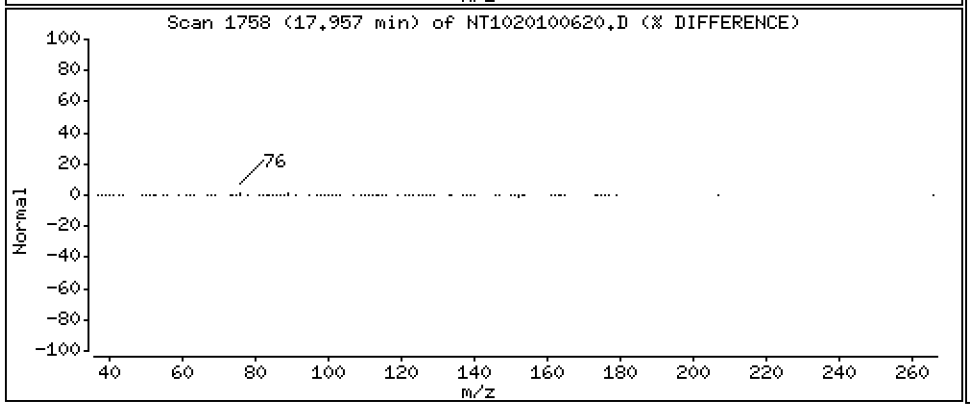
61 Anthracene

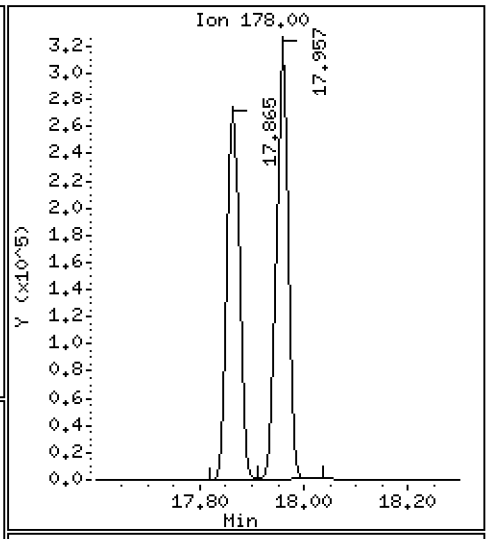
Concentration: 5.150 ug/mL

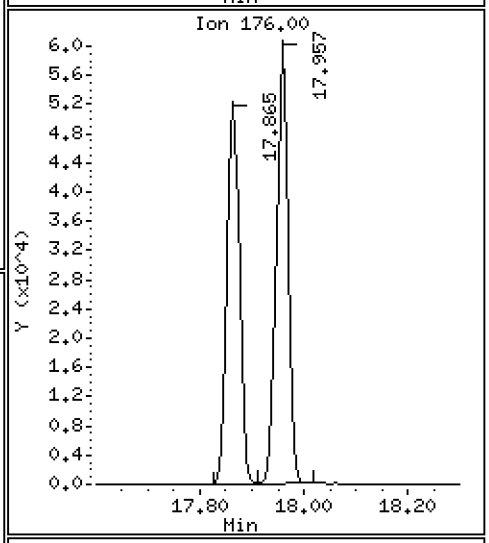


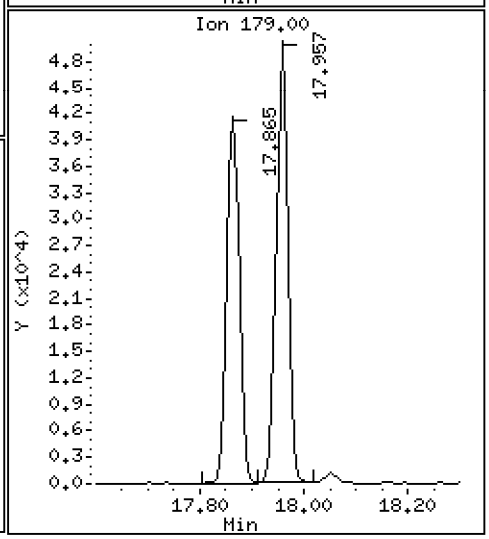












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

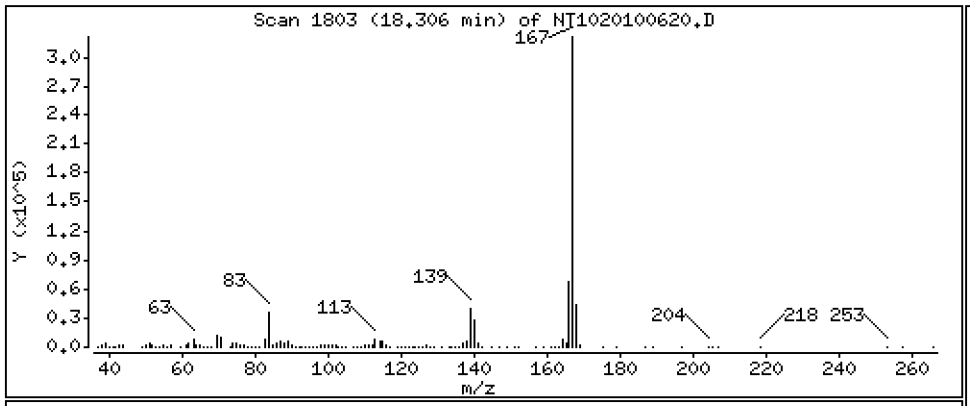
Operator: VTS

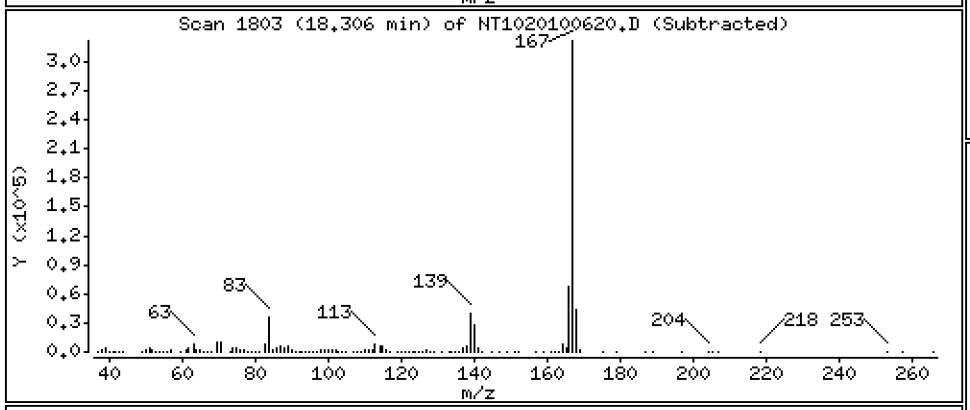
Column phase: ZB-5msi

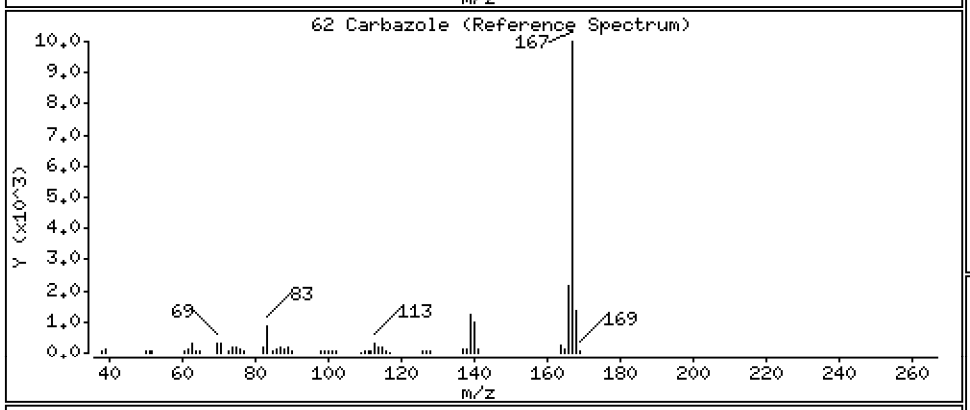
Column diameter: 0.25

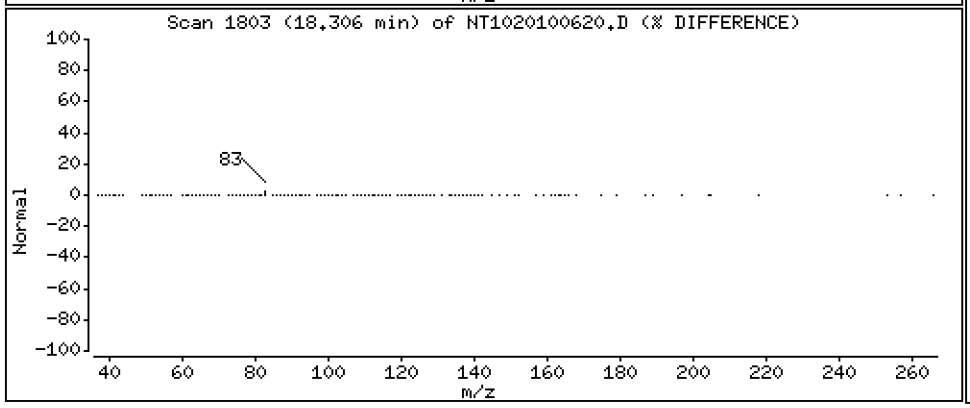
62 Carbazole

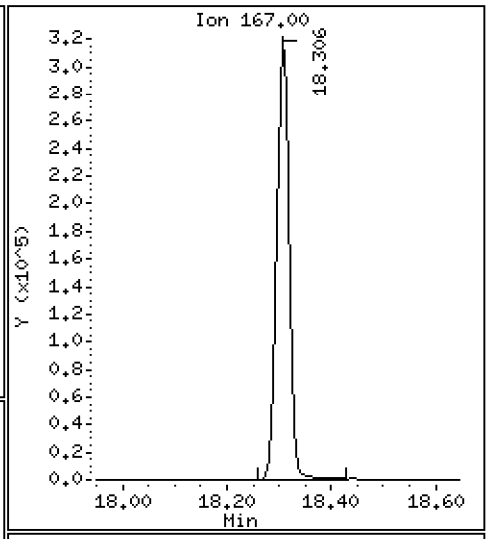
Concentration: 5.183 ug/mL

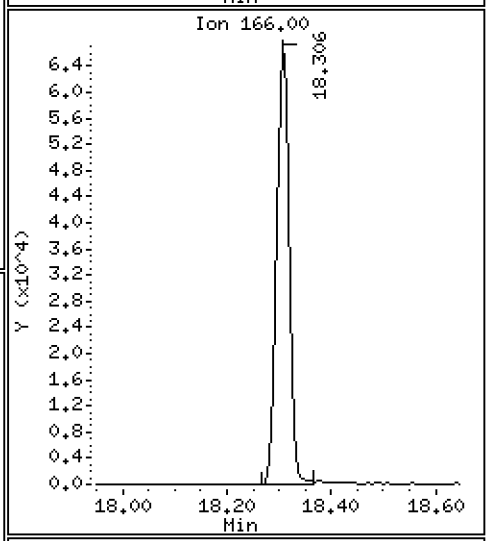


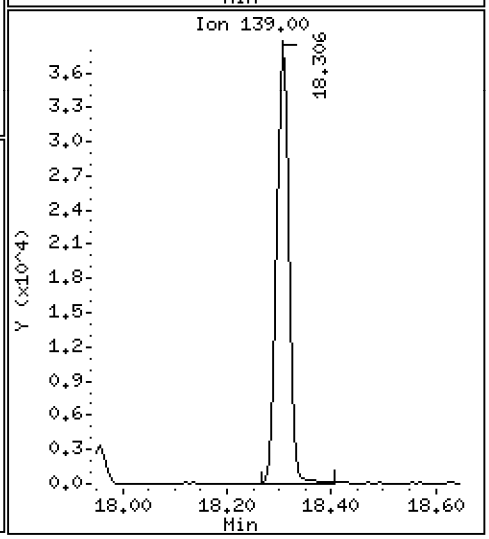












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

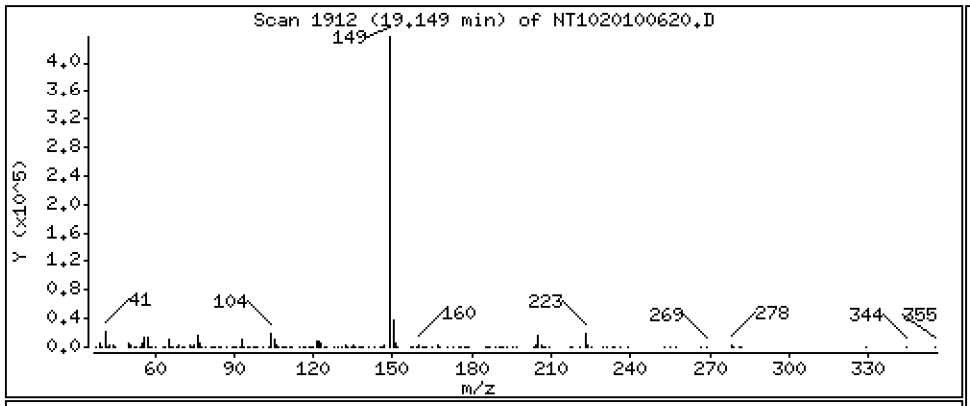
Operator: VTS

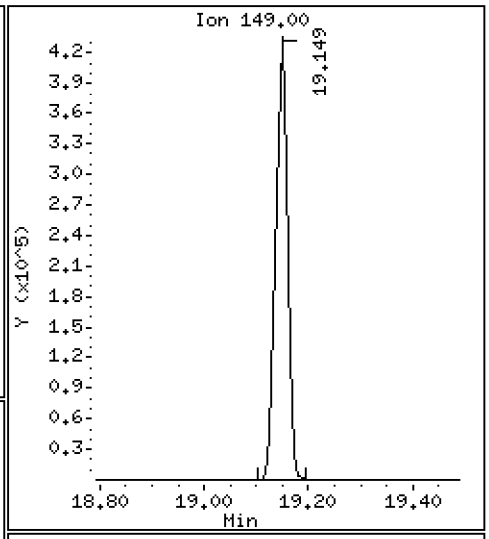
Column phase: ZB-5msi

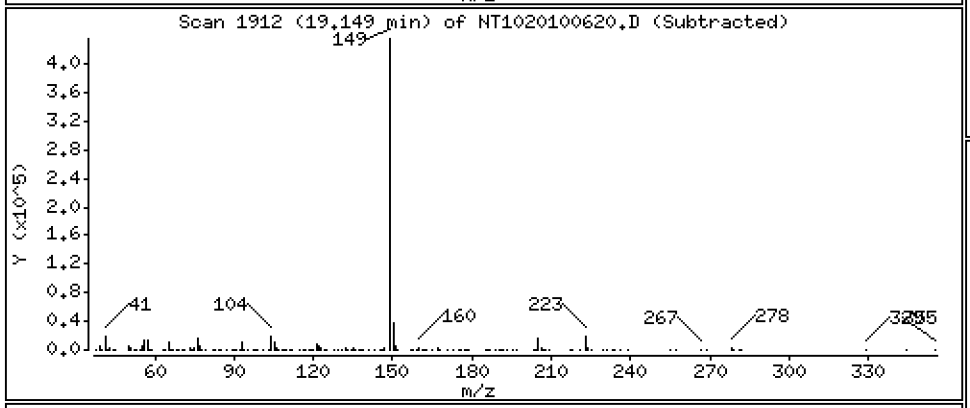
Column diameter: 0.25

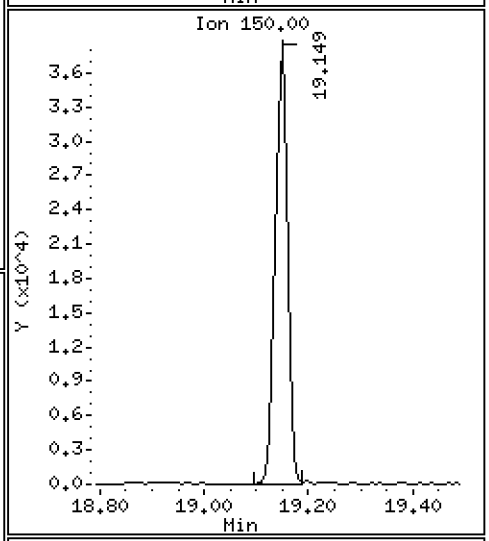
63 Di-n-butylphthalate

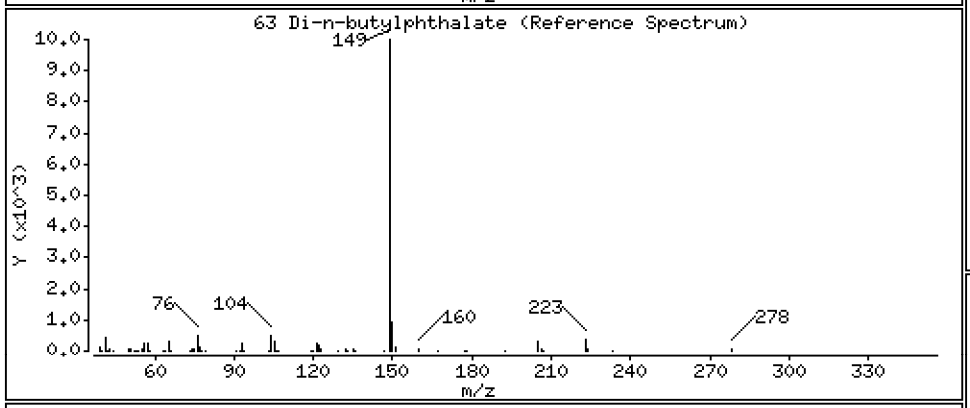
Concentration: 5.352 ug/mL

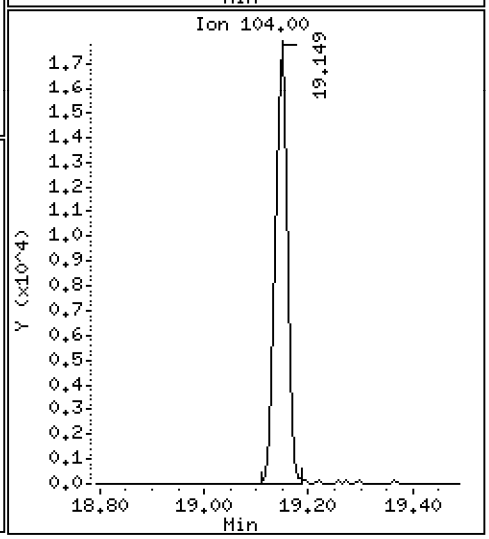


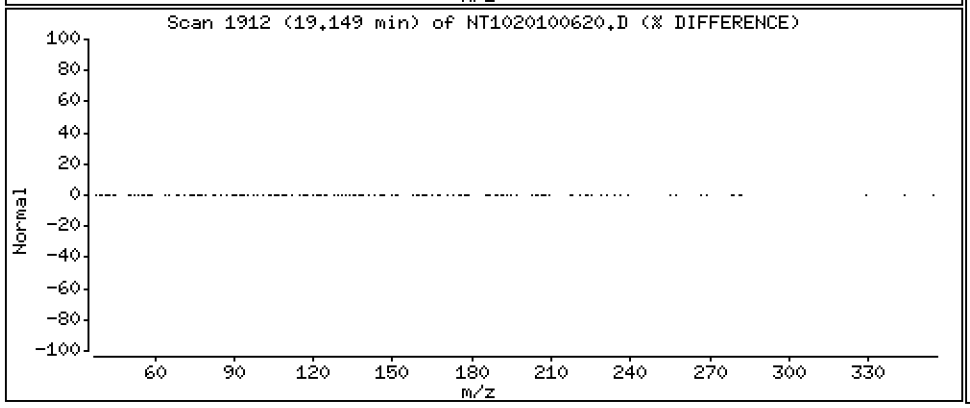












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

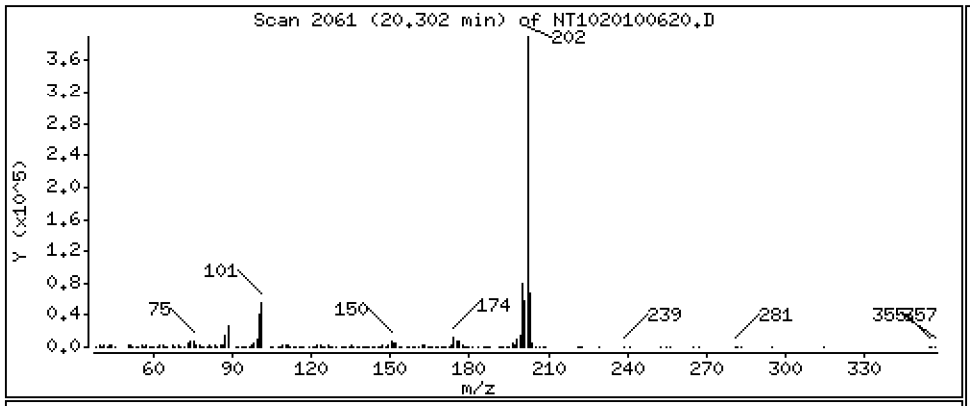
Operator: VTS

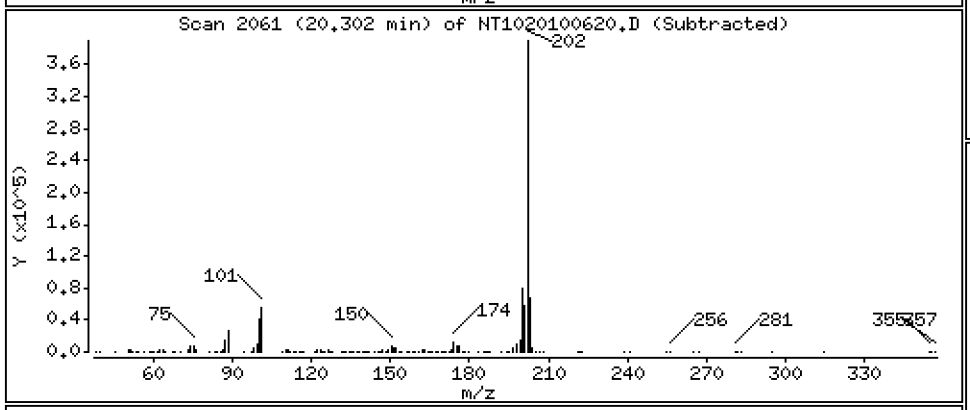
Column phase: ZB-5msi

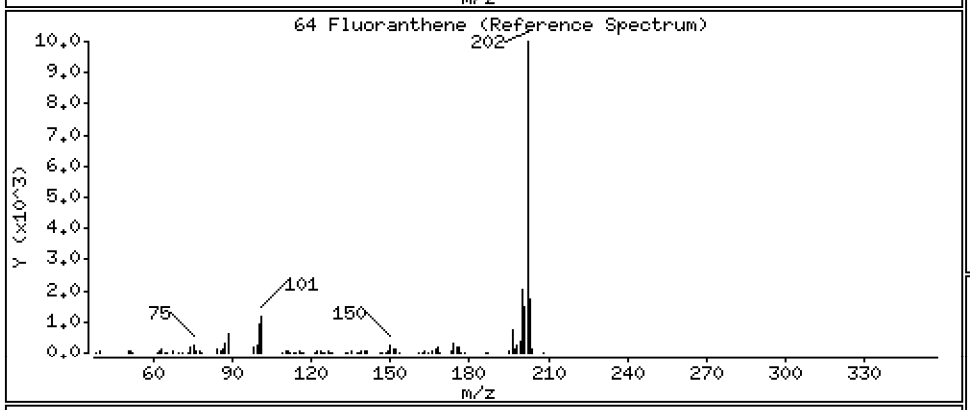
Column diameter: 0.25

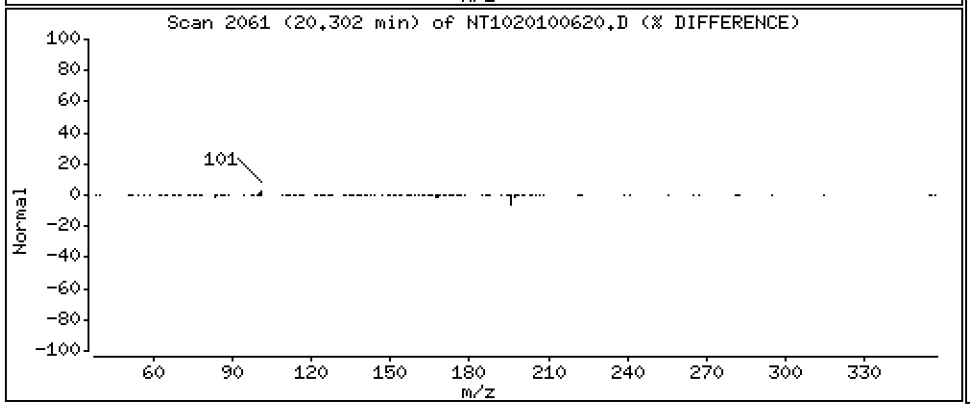
64 Fluoranthene

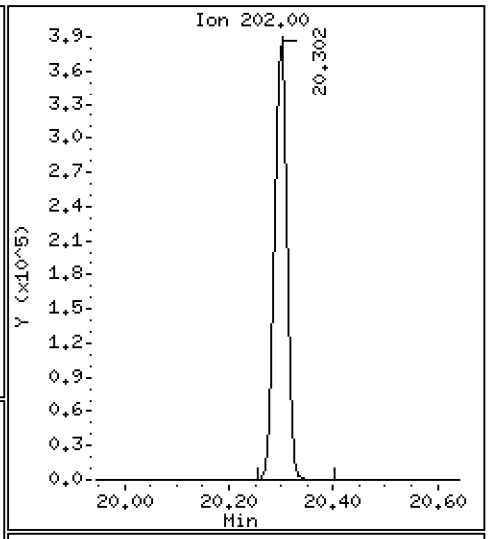
Concentration: 4.614 ug/mL

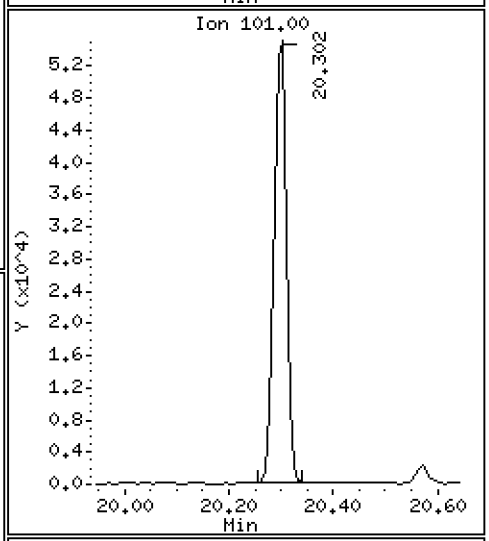


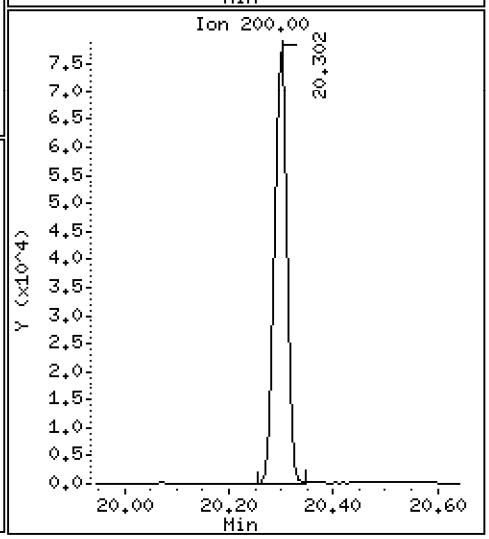












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

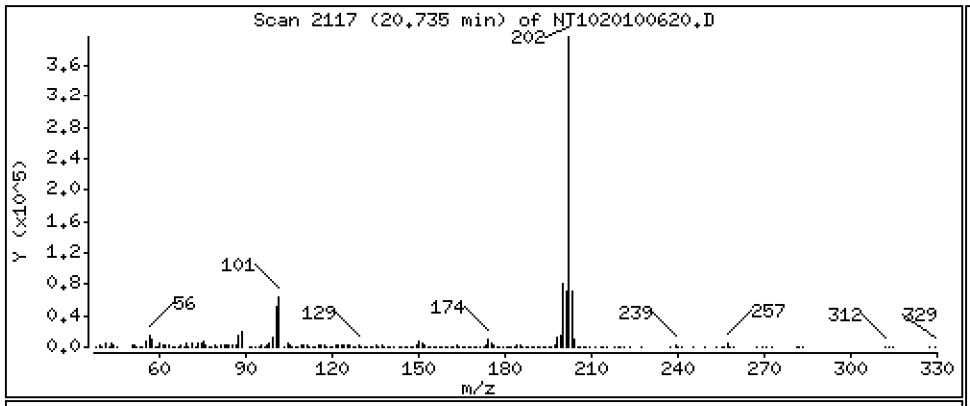
Operator: VTS

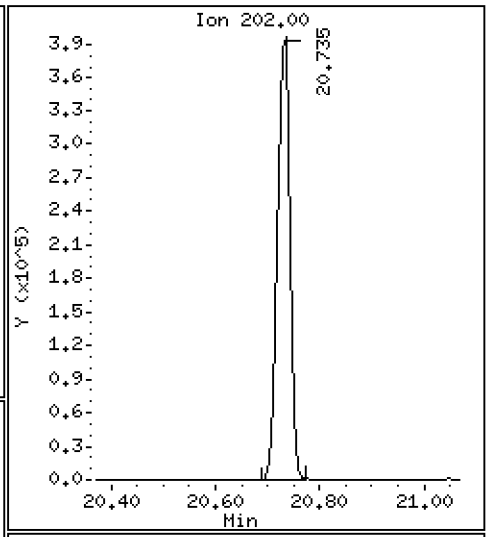
Column phase: ZB-5msi

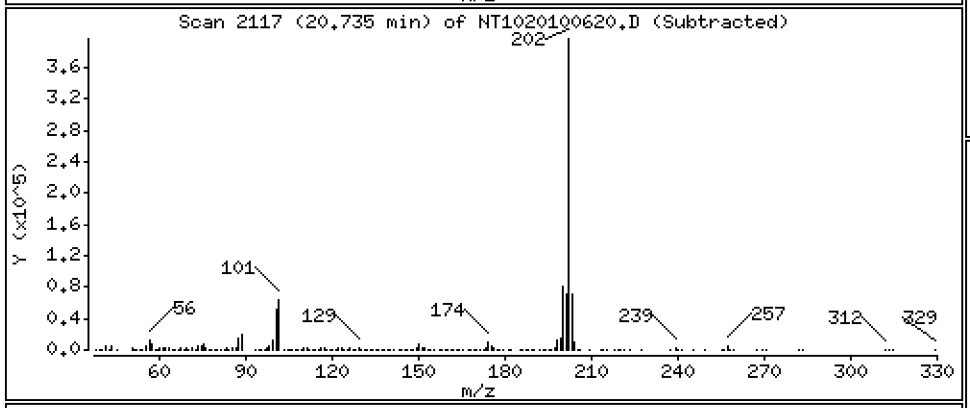
Column diameter: 0.25

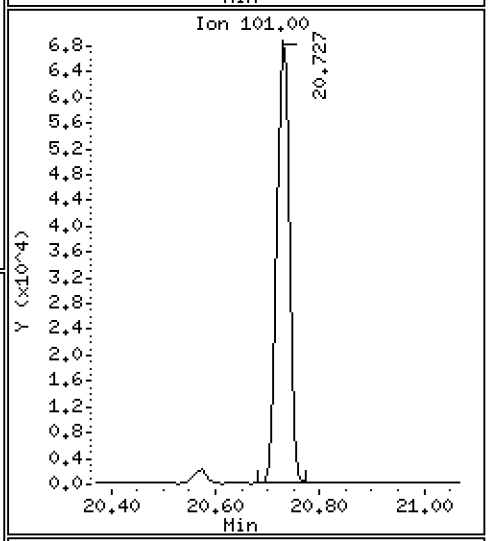
65 Pyrene

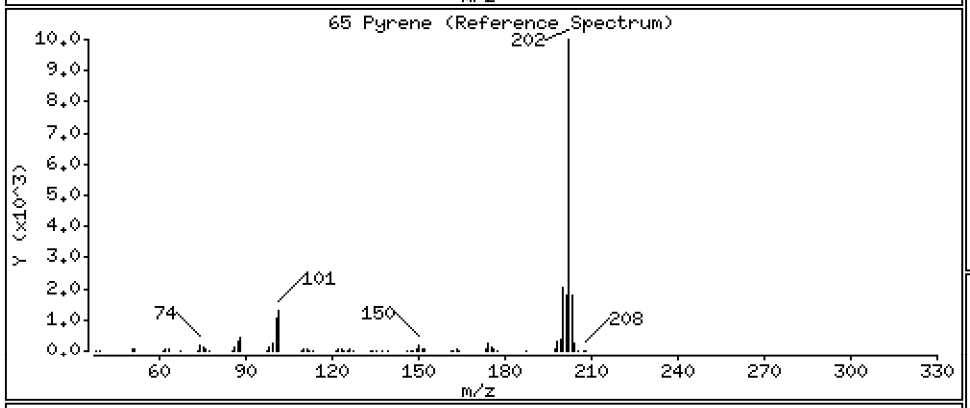
Concentration: 4.612 ug/mL

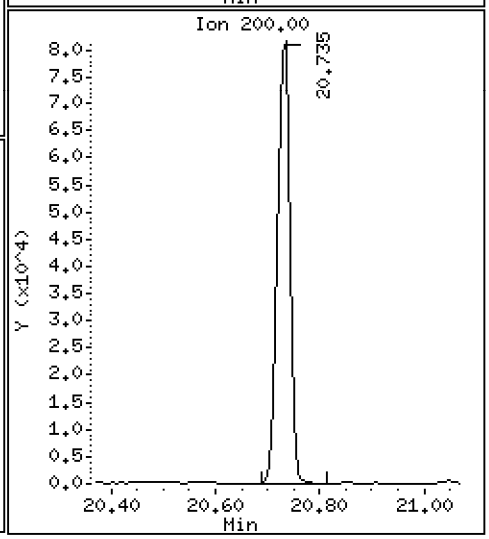


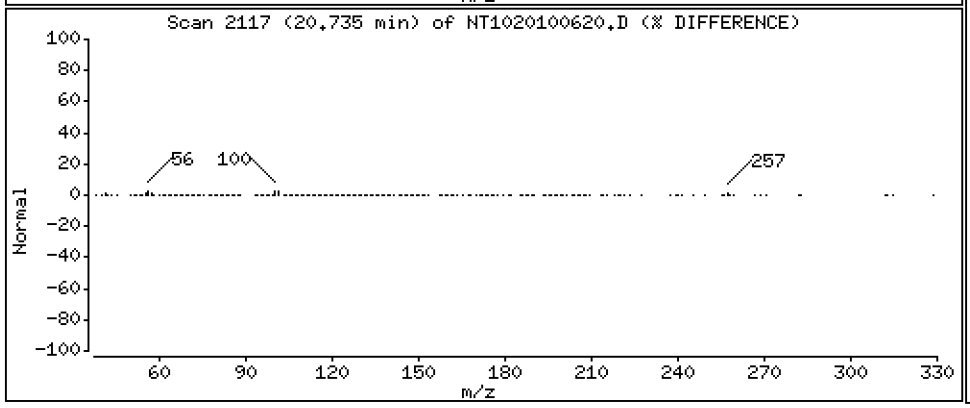












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

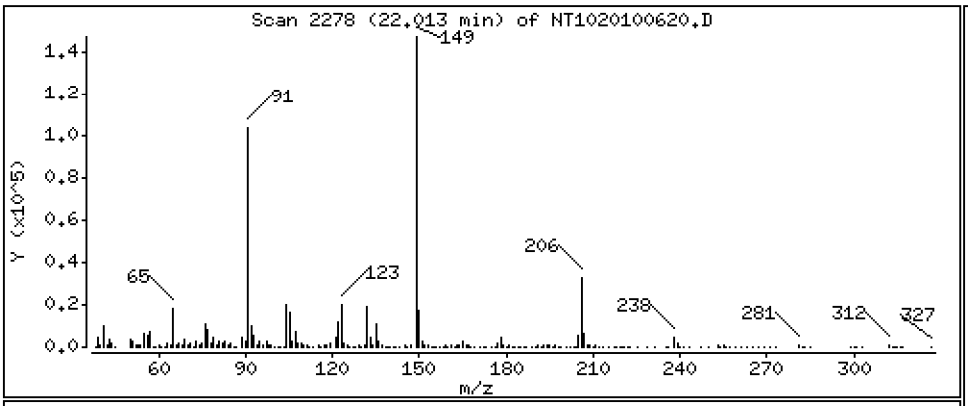
Operator: VTS

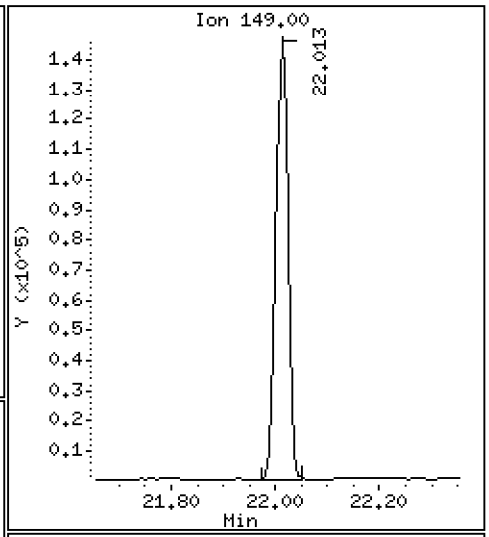
Column phase: ZB-5msi

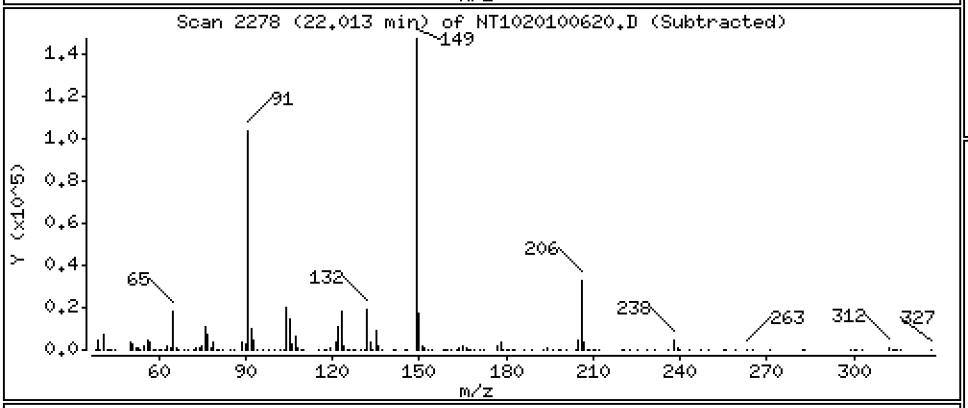
Column diameter: 0.25

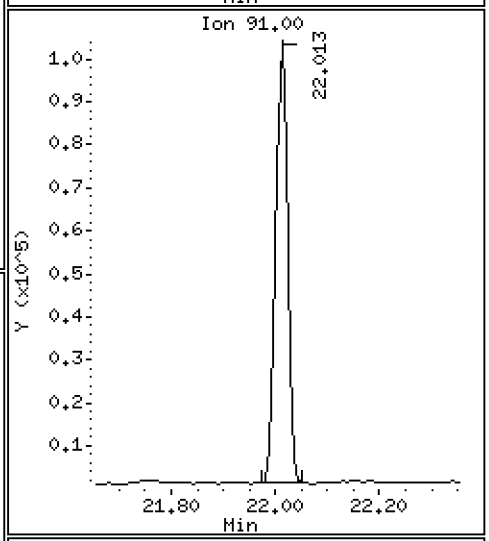
67 Butylbenzylphthalate

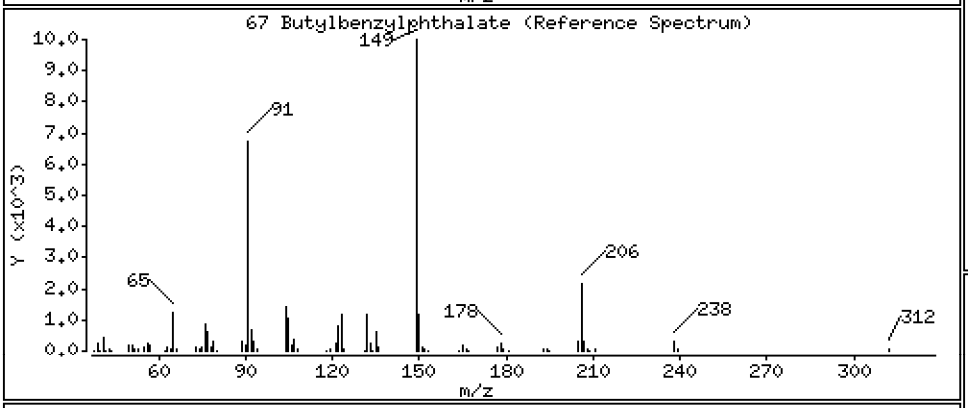
Concentration: 4.544 ug/mL

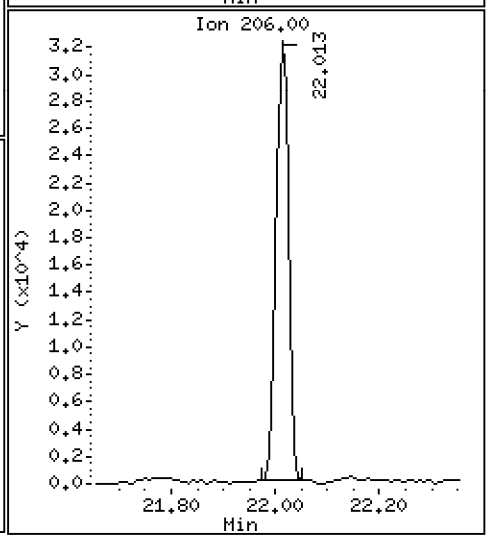


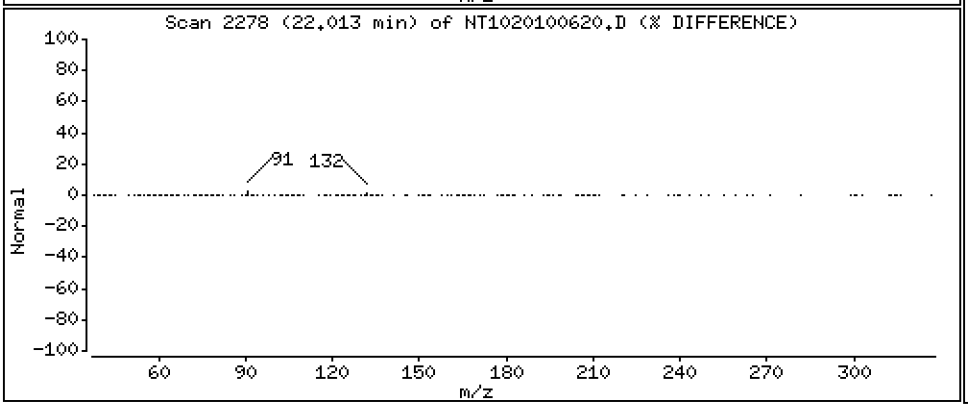












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

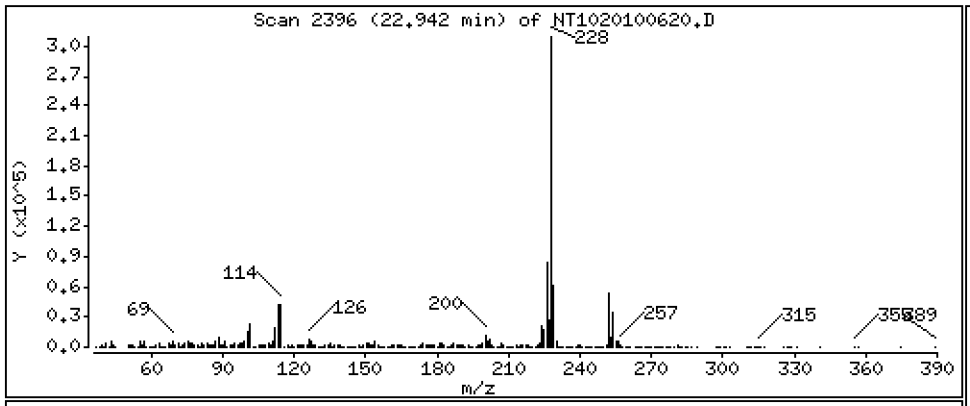
Operator: VTS

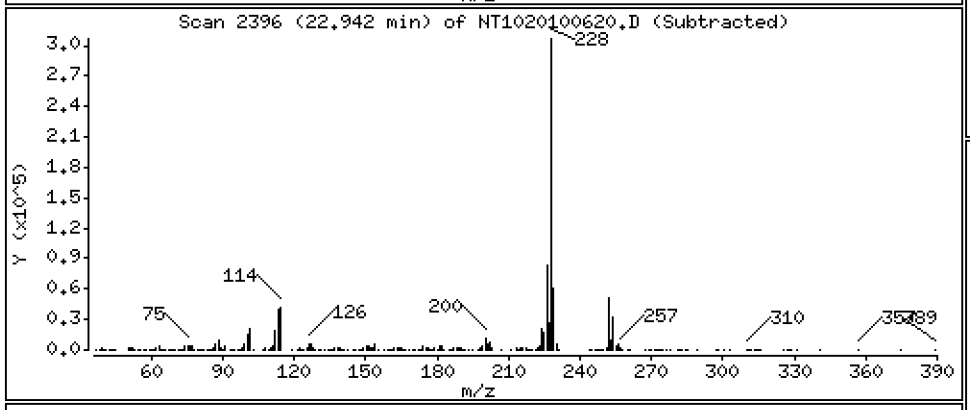
Column phase: ZB-5msi

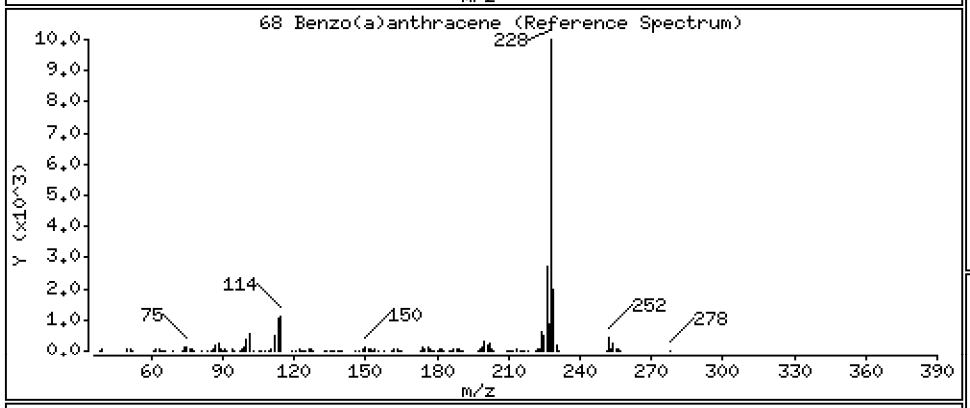
Column diameter: 0.25

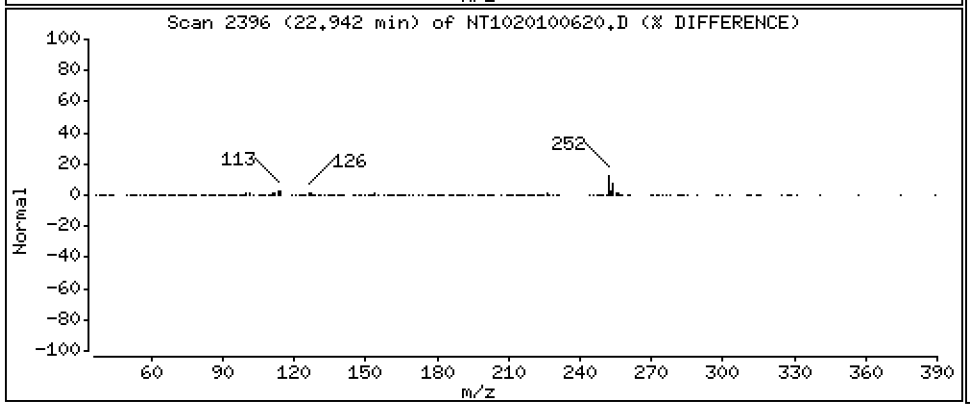
68 Benzo(a)anthracene

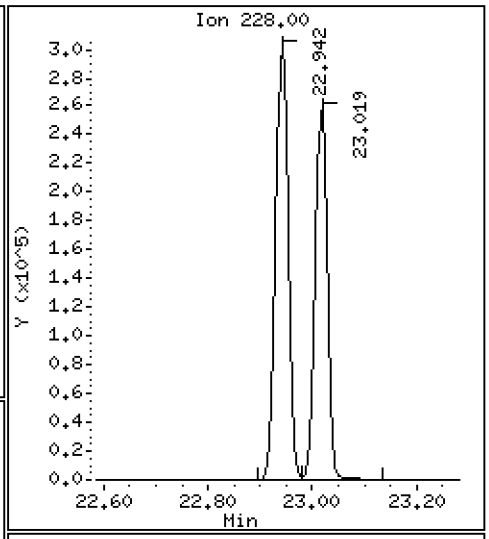
Concentration: 5.046 ug/mL

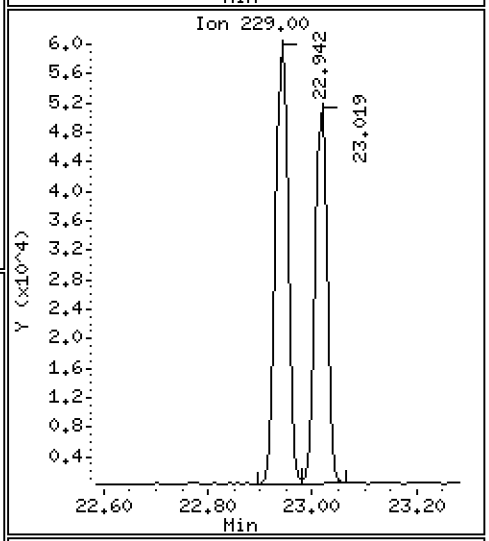


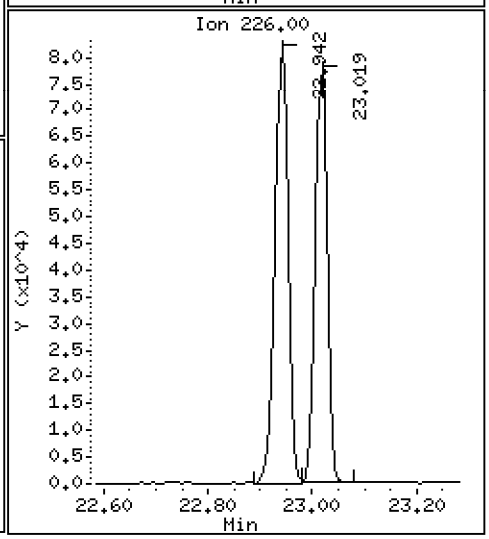












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

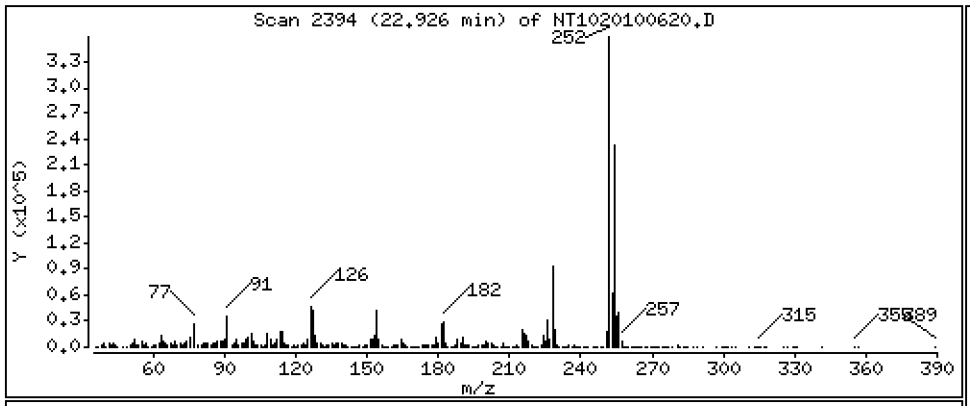
Operator: VTS

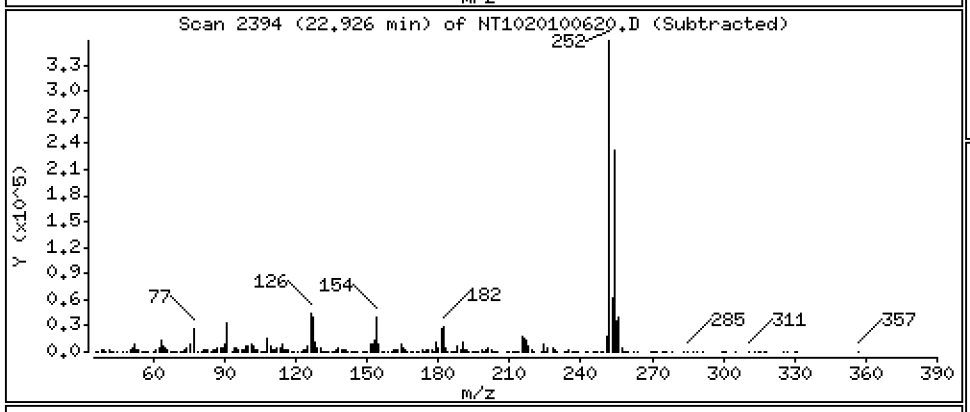
Column phase: ZB-5msi

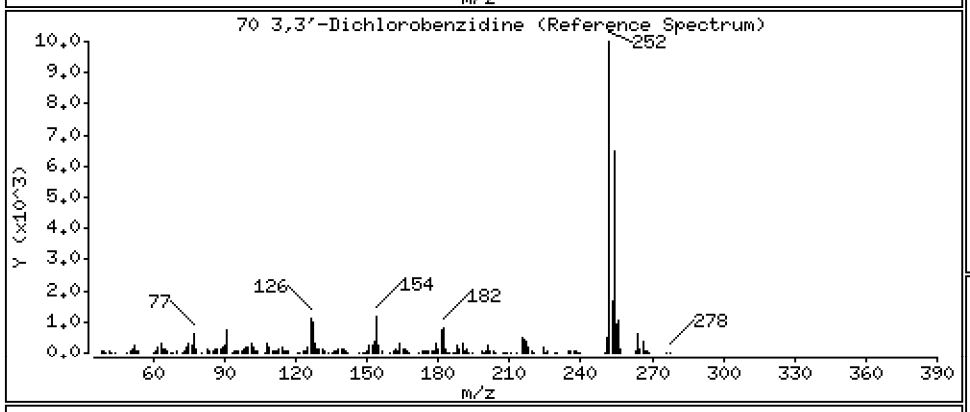
Column diameter: 0.25

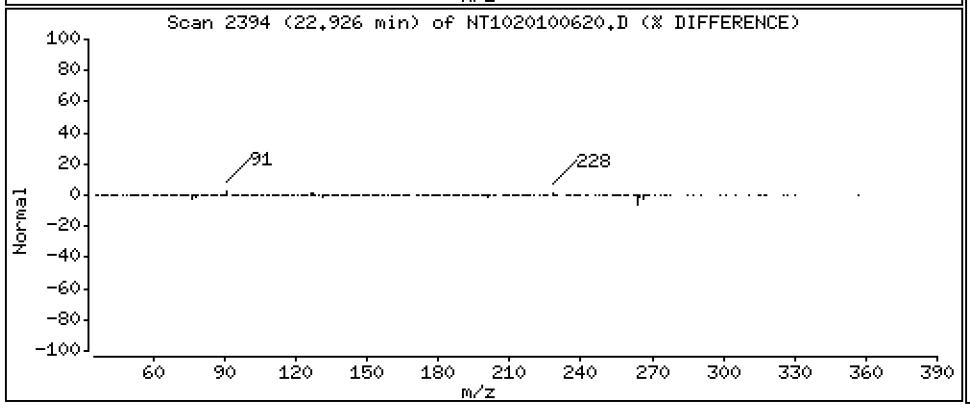
70 3,3'-Dichlorobenzidine

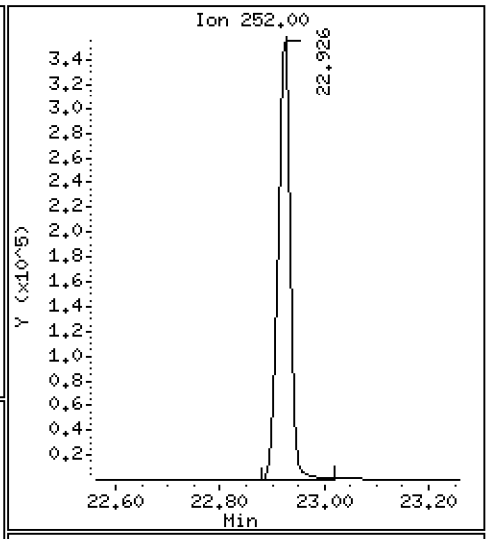
Concentration: 16.60 ug/mL

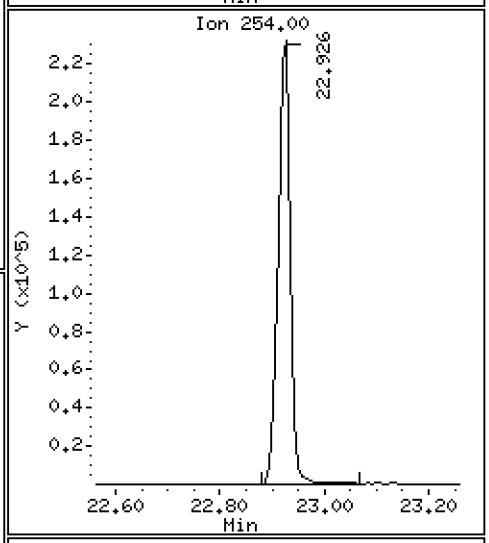


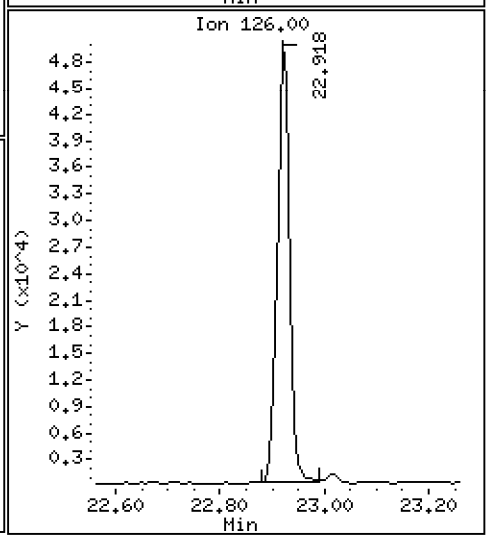












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

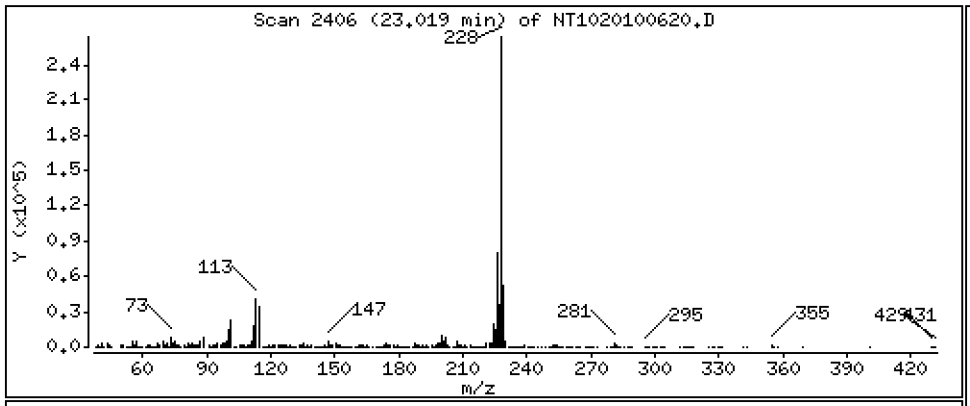
Operator: VTS

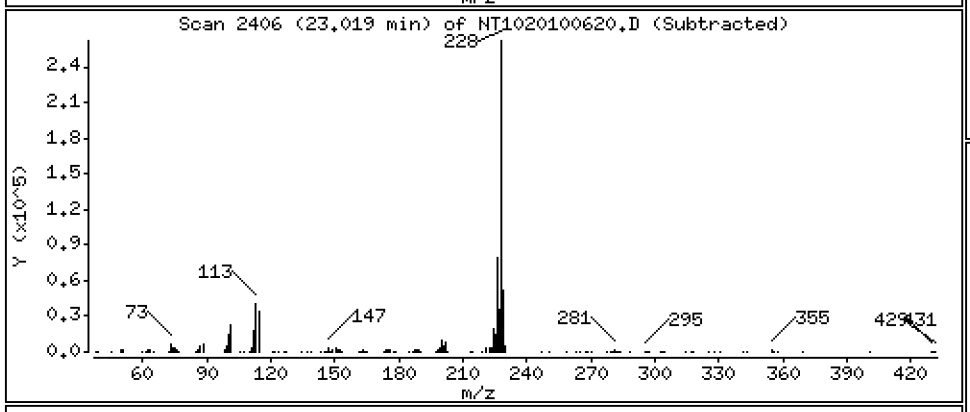
Column phase: ZB-5msi

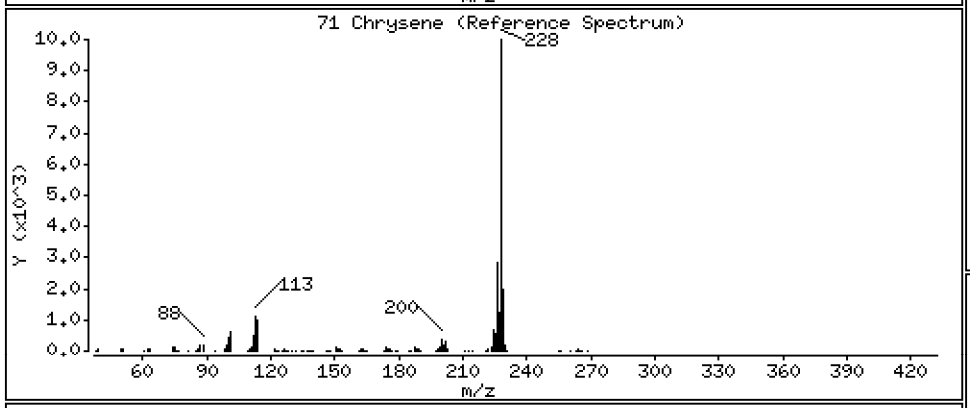
Column diameter: 0.25

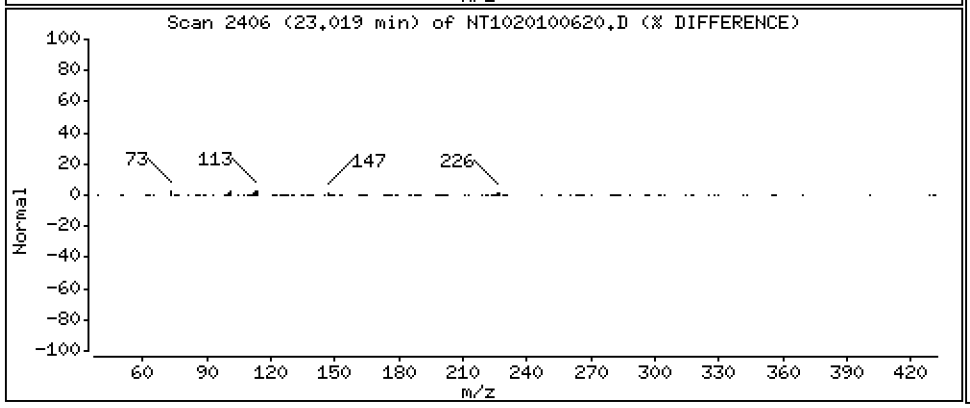
71 Chrysene

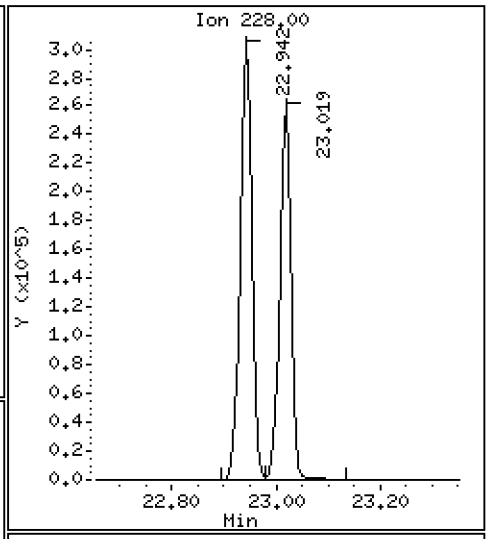
Concentration: 5.140 ug/mL

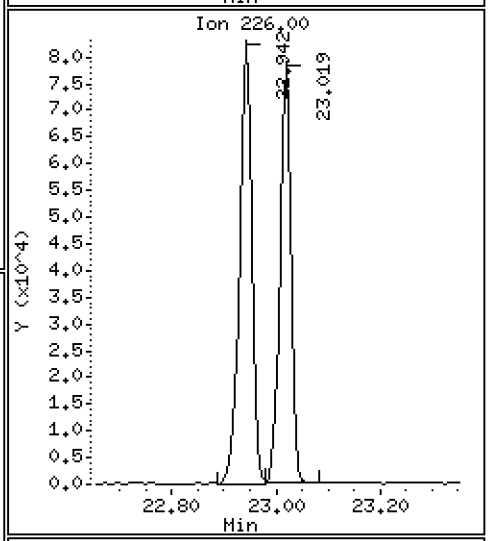


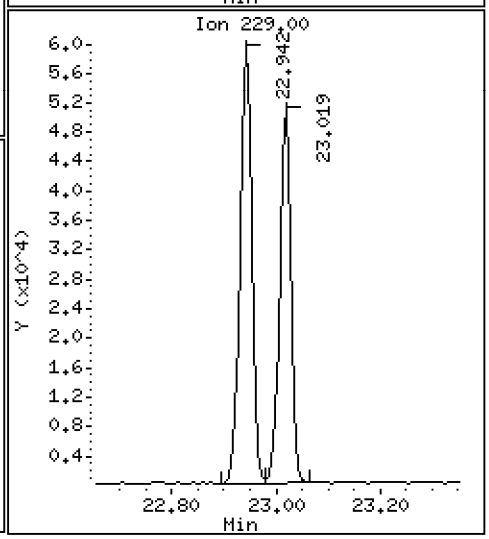












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

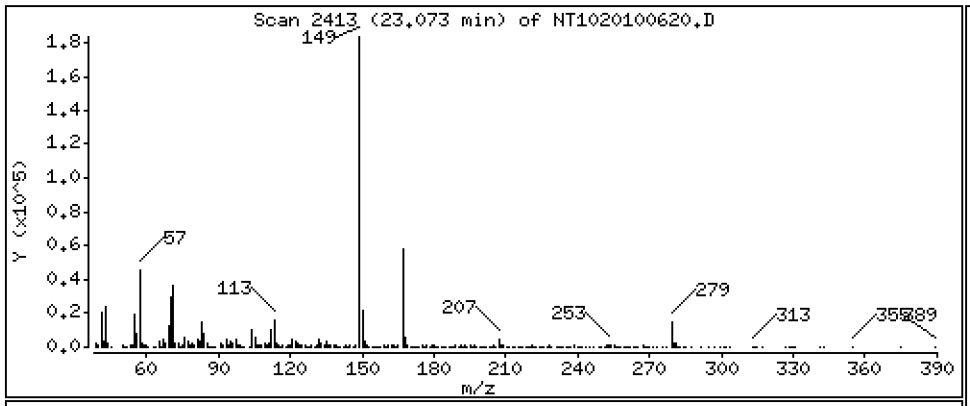
Operator: VTS

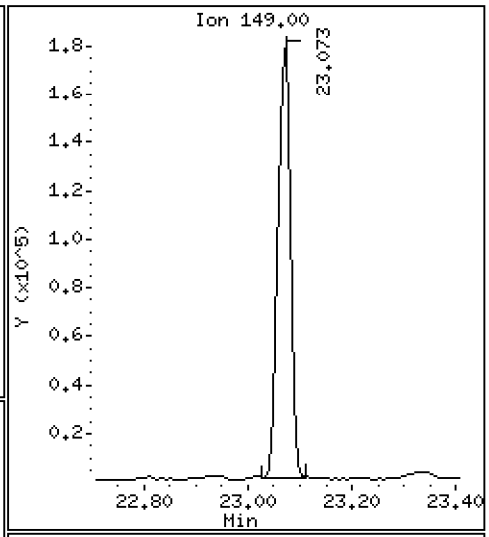
Column phase: ZB-5msi

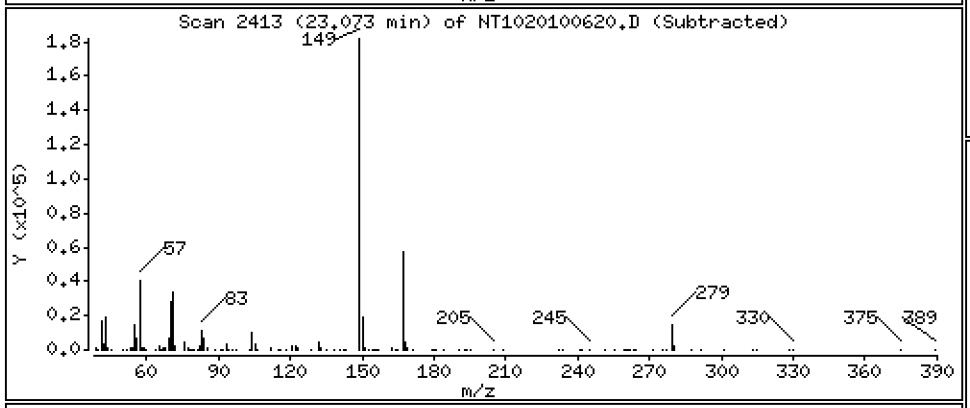
Column diameter: 0.25

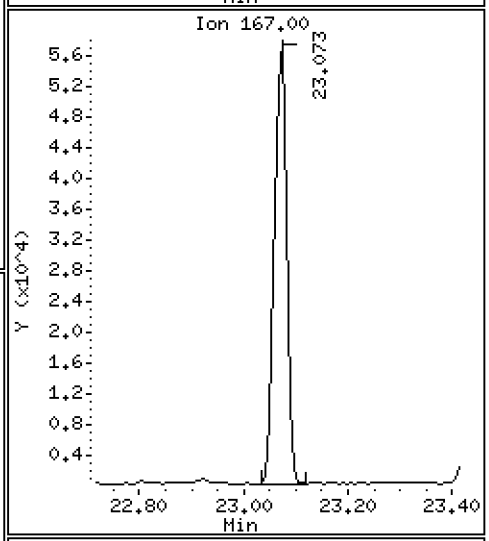
72 bis(2-Ethylhexyl)phthalate

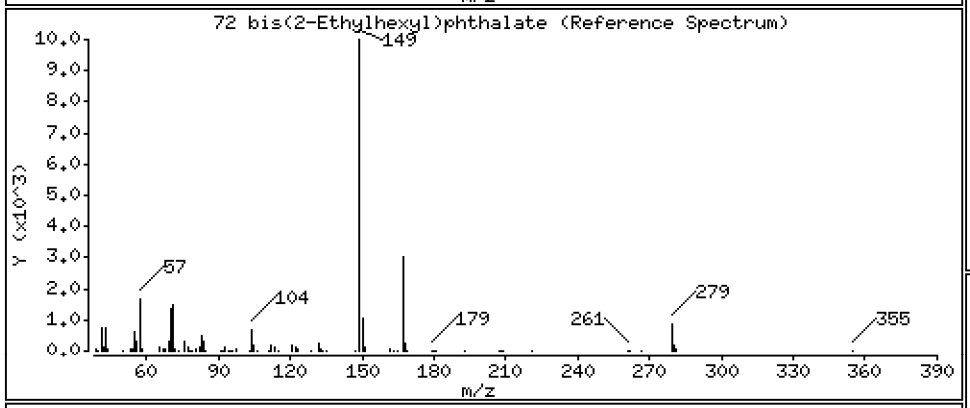
Concentration: 4.655 ug/mL

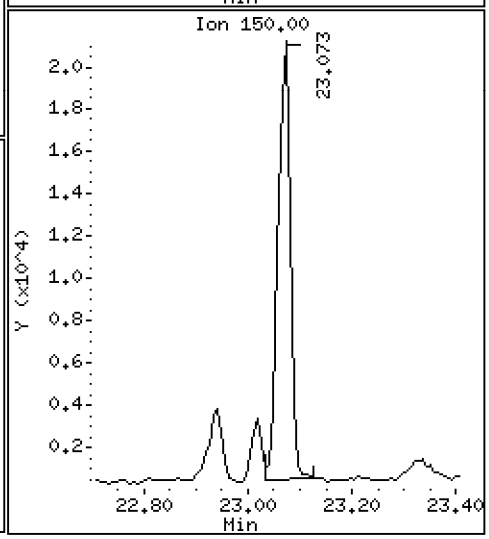


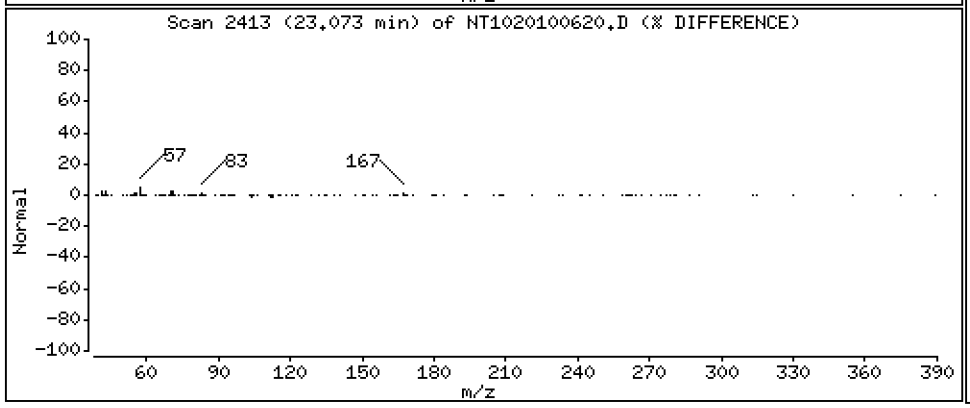












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

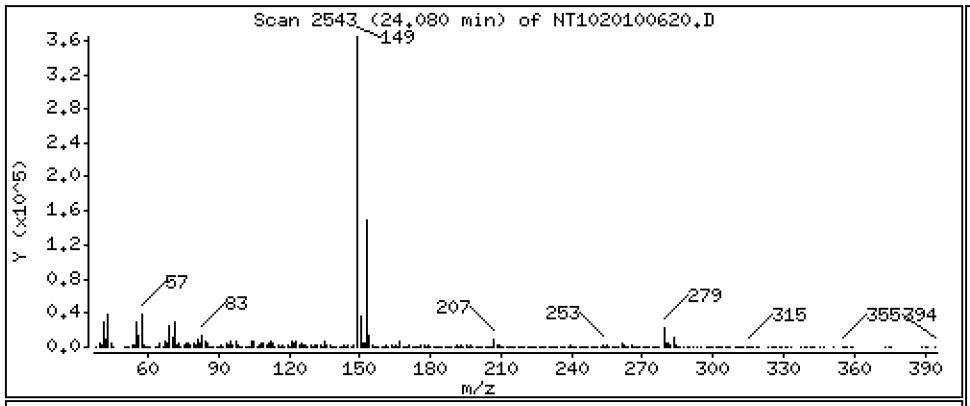
Operator: VTS

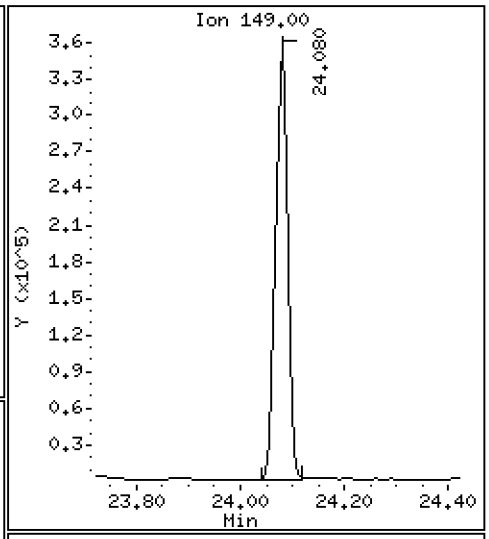
Column phase: ZB-5msi

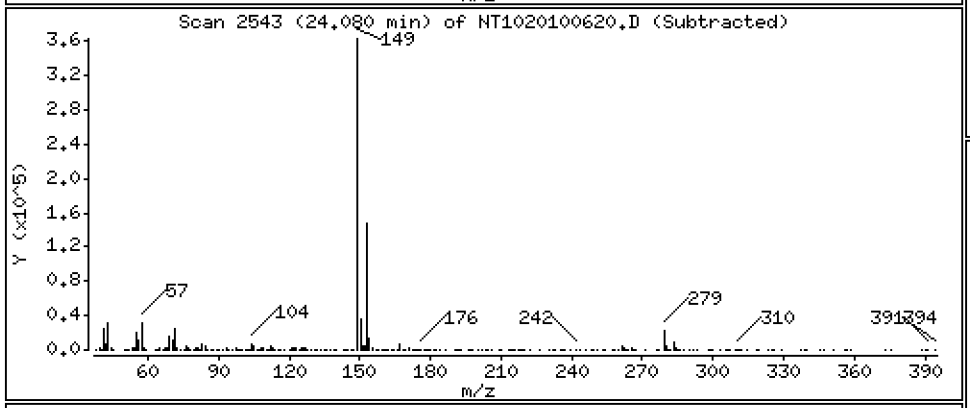
Column diameter: 0.25

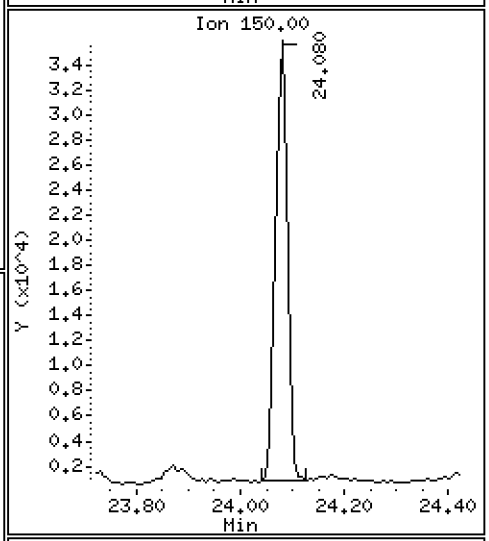
73 Di-n-octylphthalate

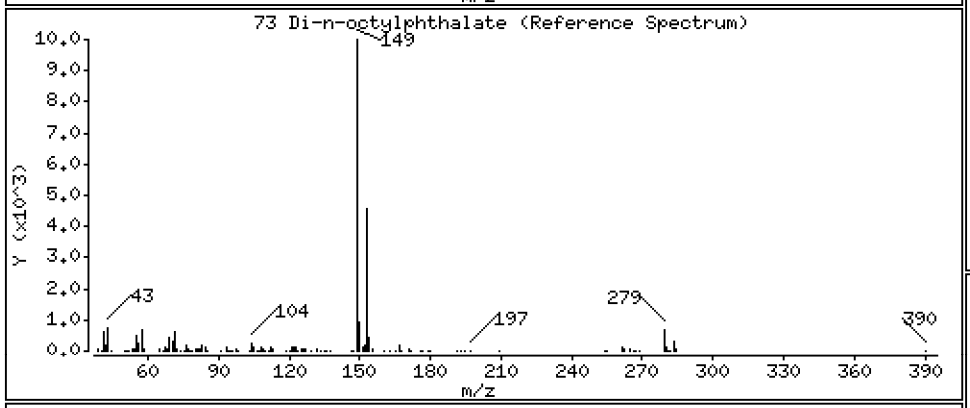
Concentration: 4.934 ug/mL

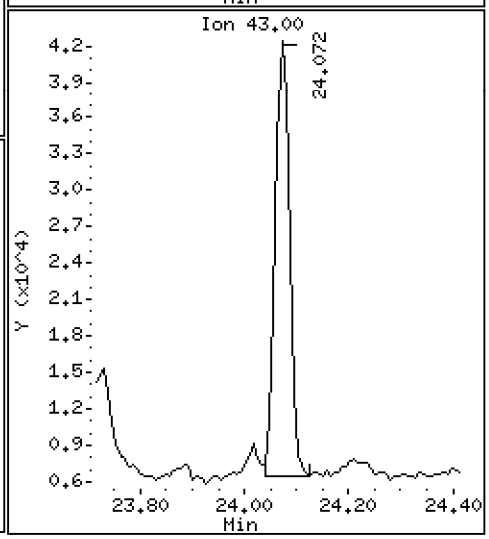


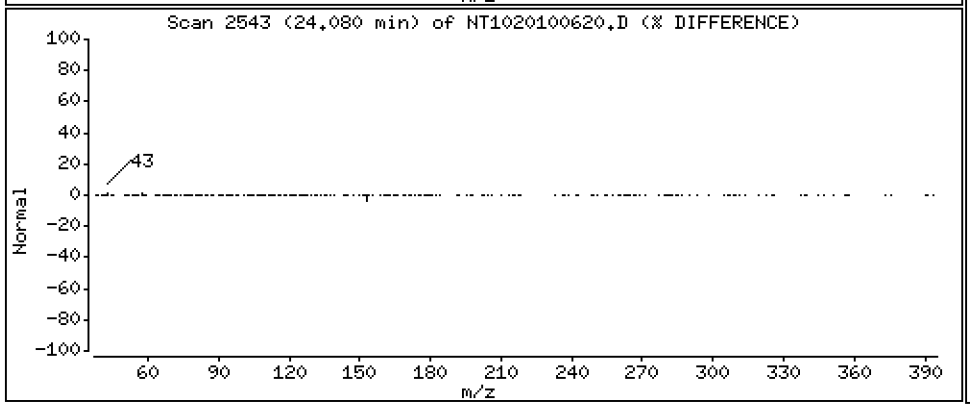












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

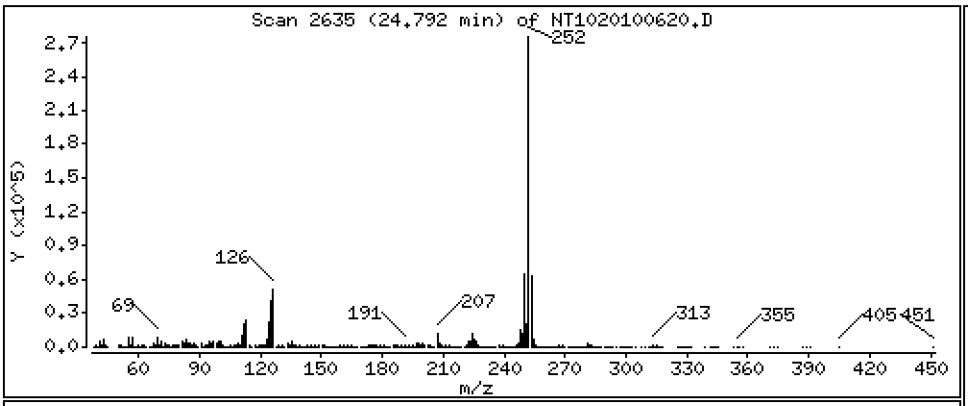
Operator: VTS

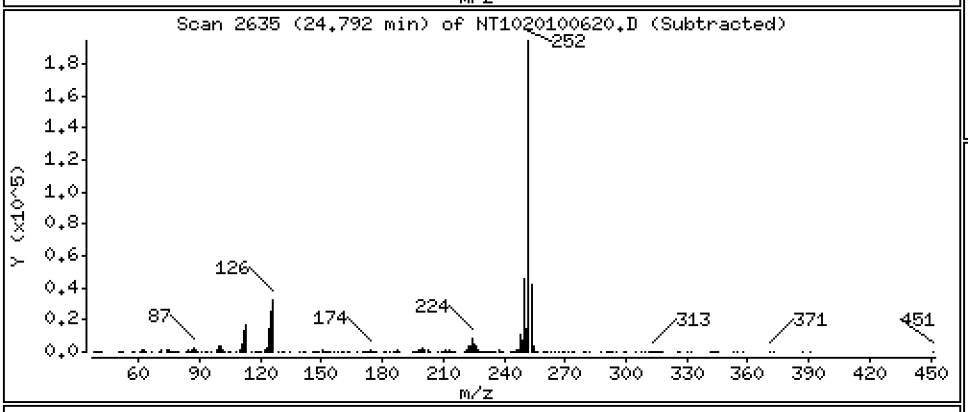
Column phase: ZB-5msi

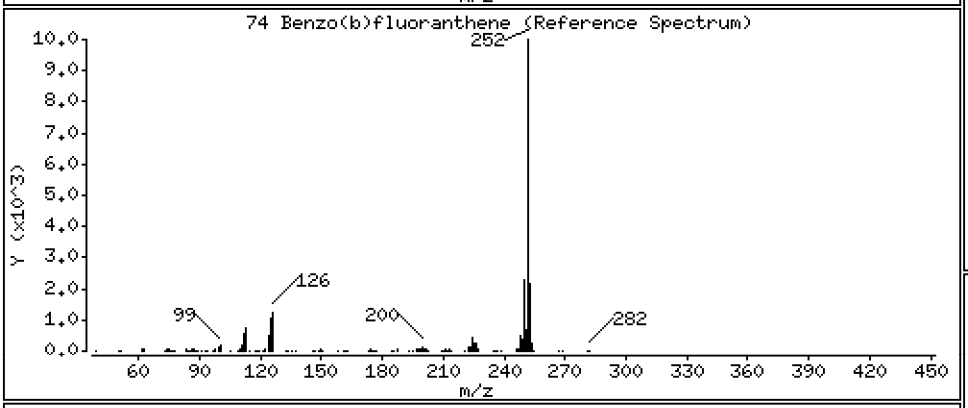
Column diameter: 0.25

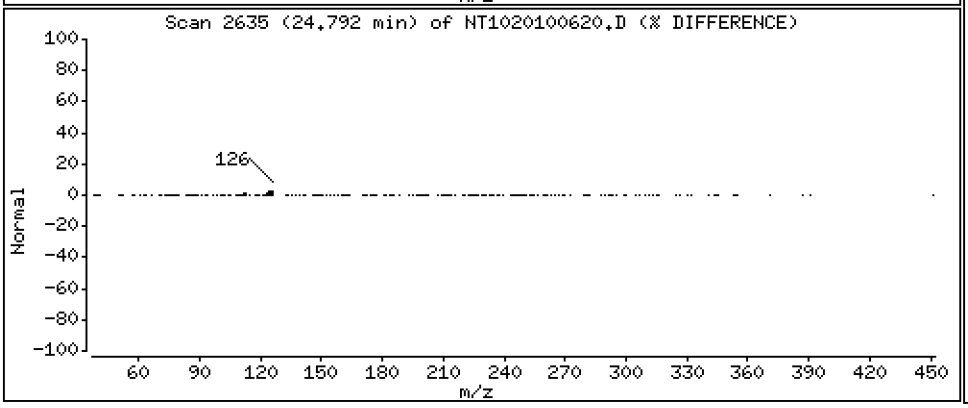
74 Benzo(b)fluoranthene

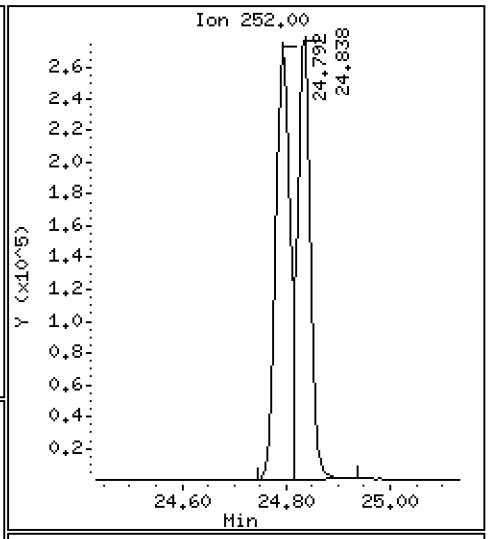
Concentration: 4.589 ug/mL

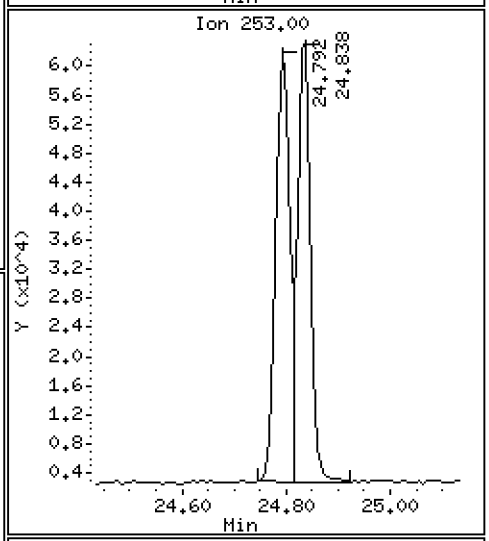


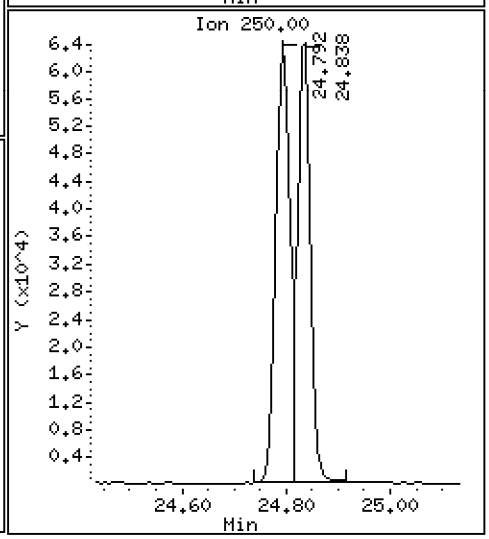












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

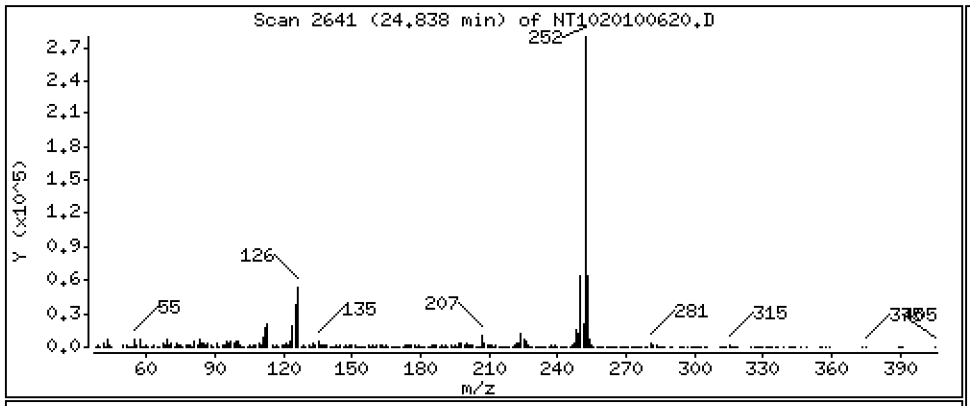
Operator: VTS

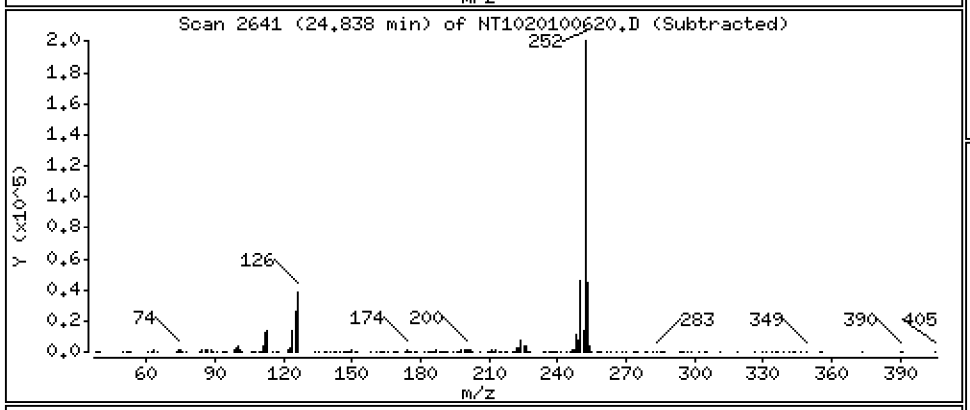
Column phase: ZB-5msi

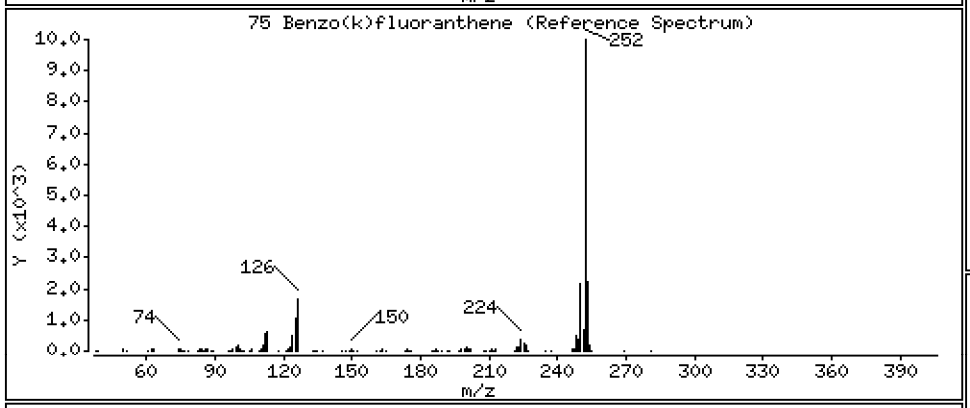
Column diameter: 0.25

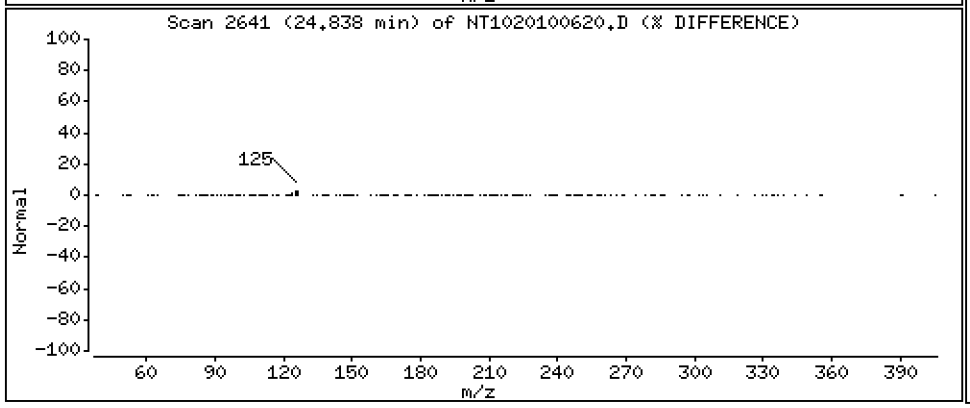
75 Benzo(k)fluoranthene

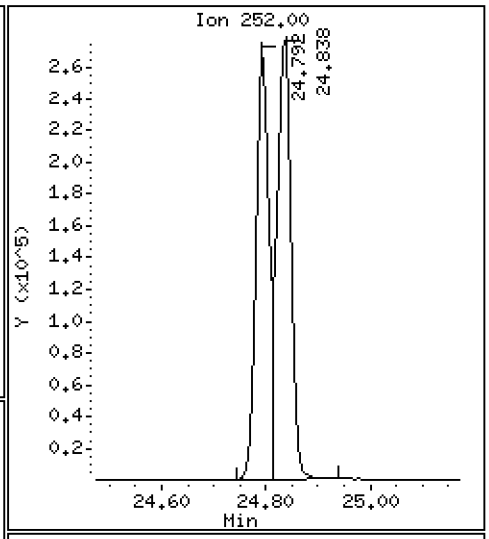
Concentration: 4.606 ug/mL

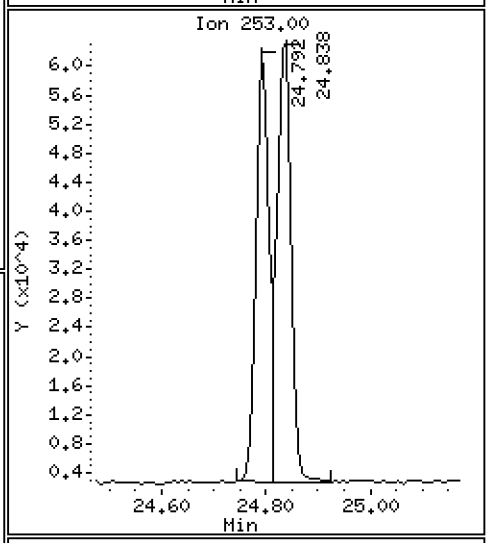


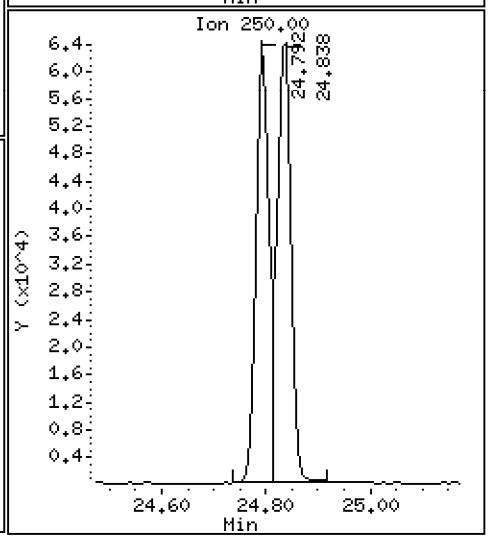












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

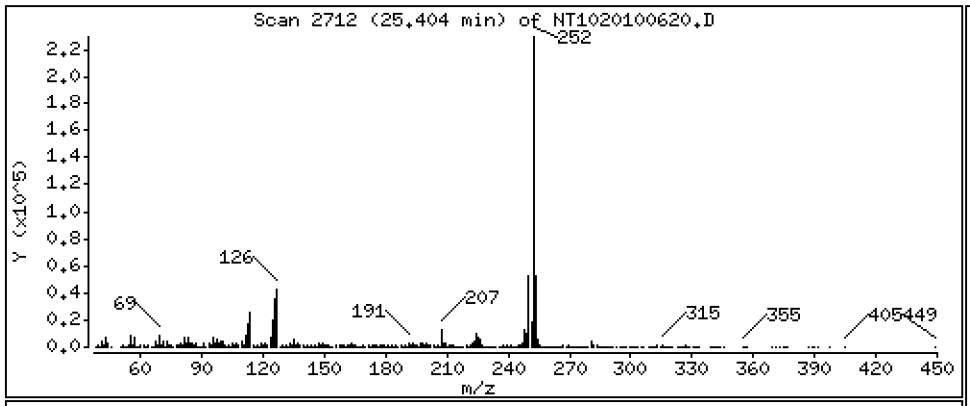
Operator: VTS

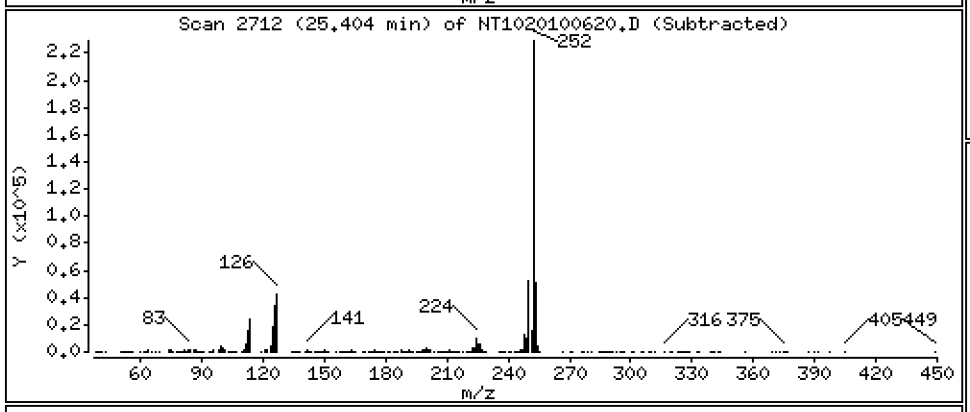
Column phase: ZB-5msi

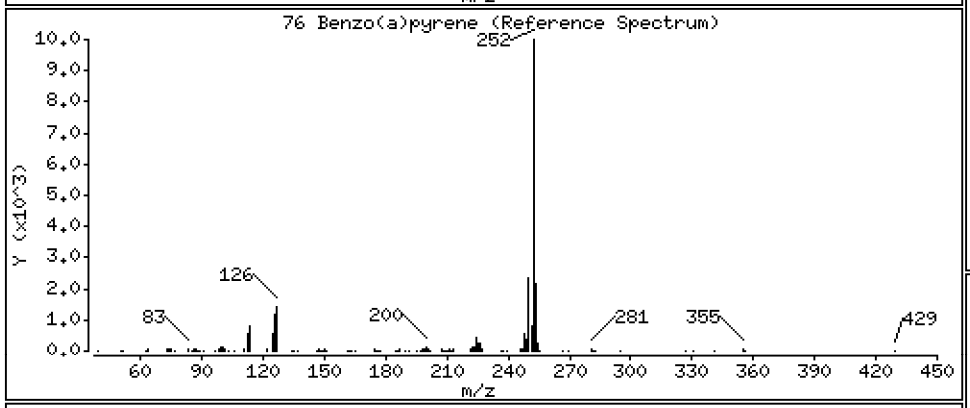
Column diameter: 0.25

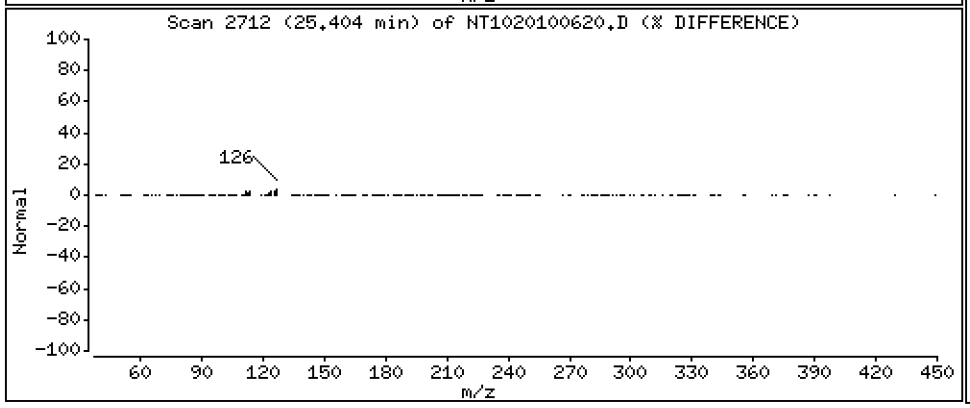
76 Benzo(a)pyrene

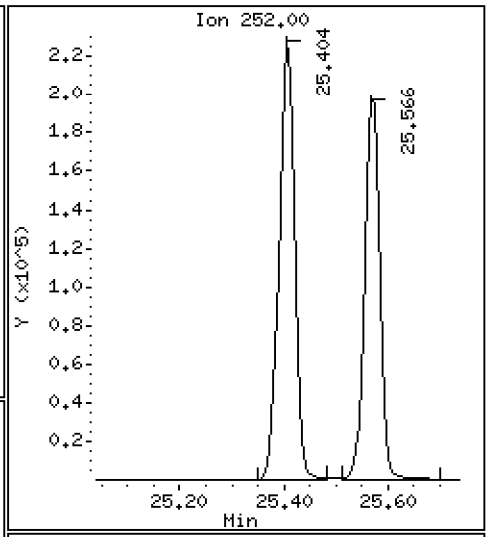
Concentration: 5.178 ug/mL

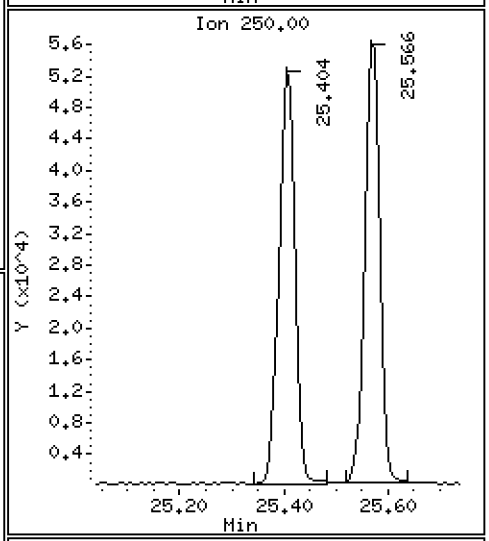


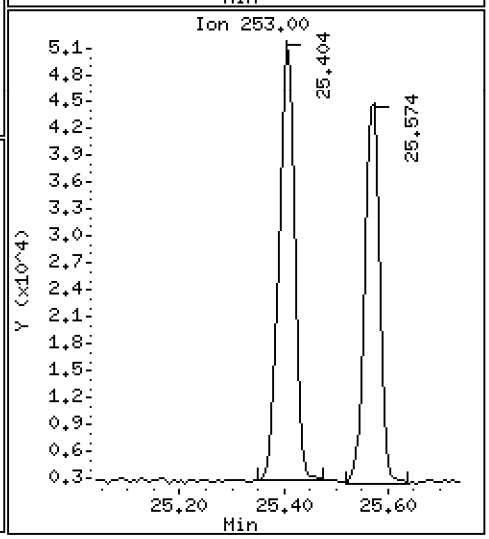












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

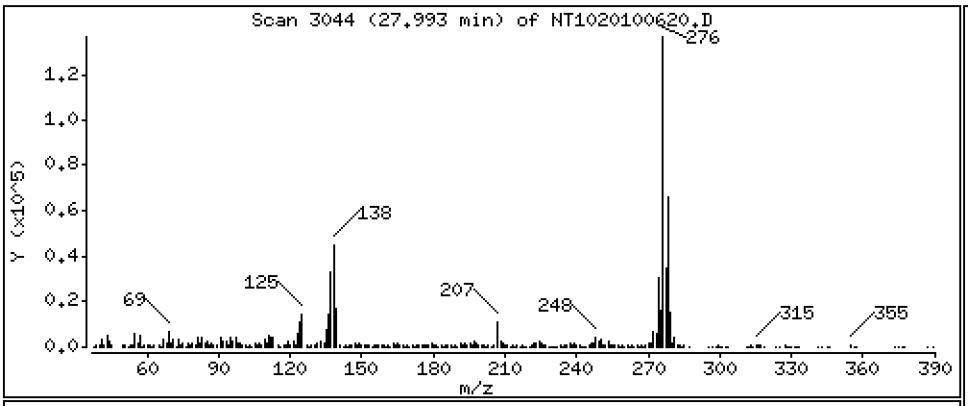
Operator: VTS

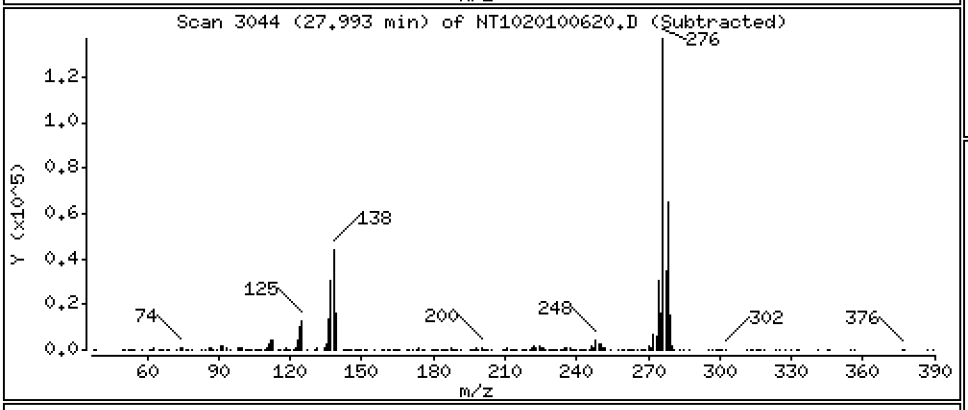
Column phase: ZB-5msi

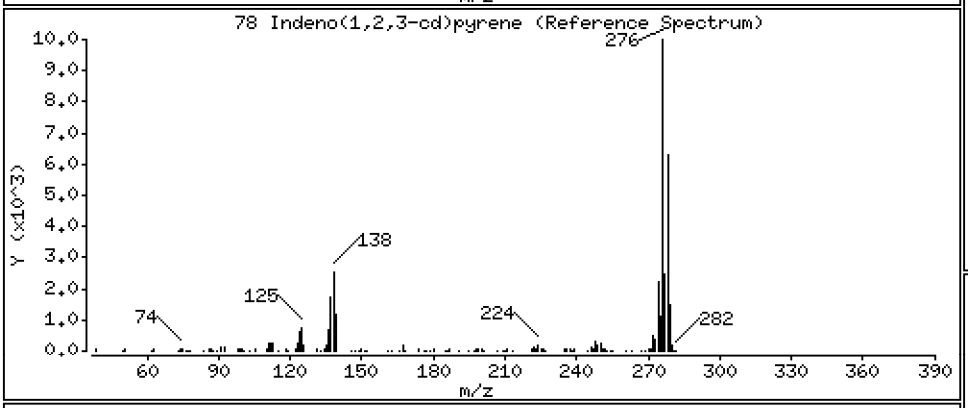
Column diameter: 0.25

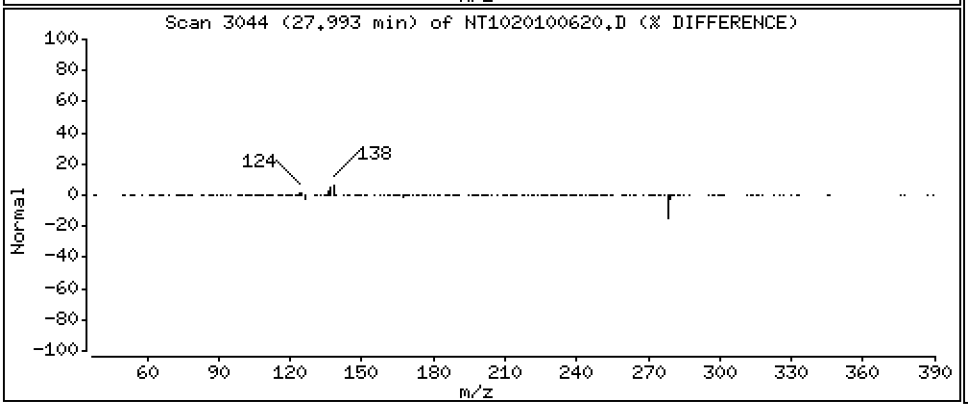
78 Indeno(1,2,3-cd)pyrene

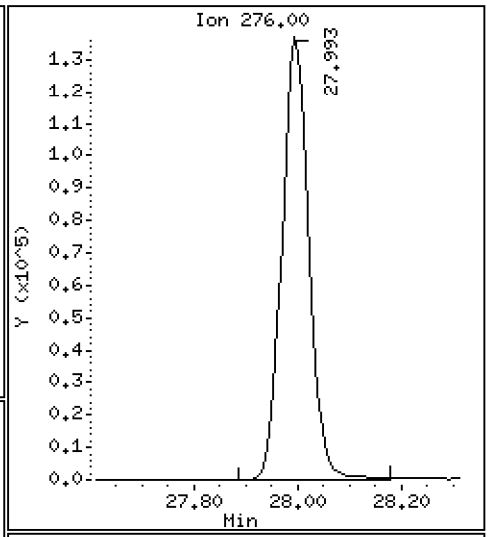
Concentration: 6.534 ug/mL

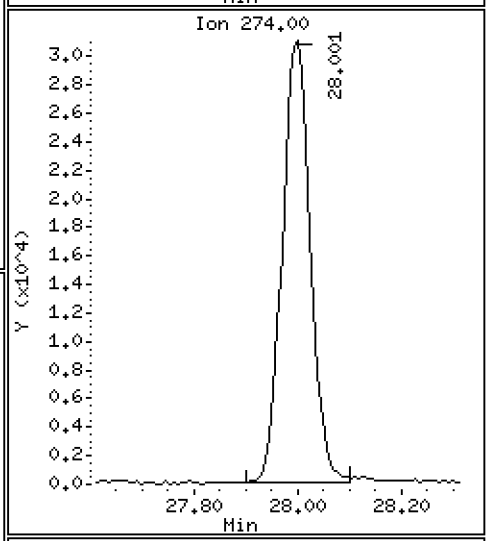


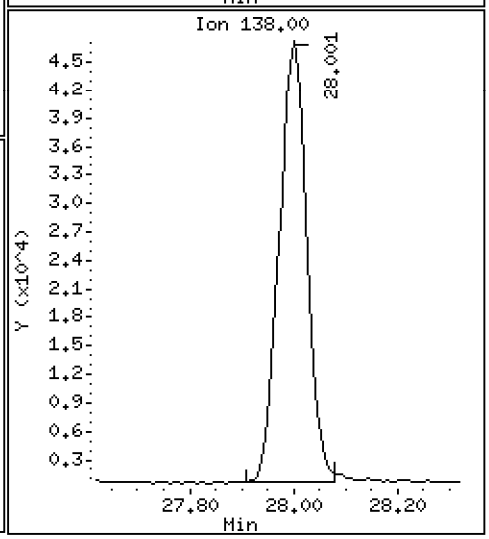












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

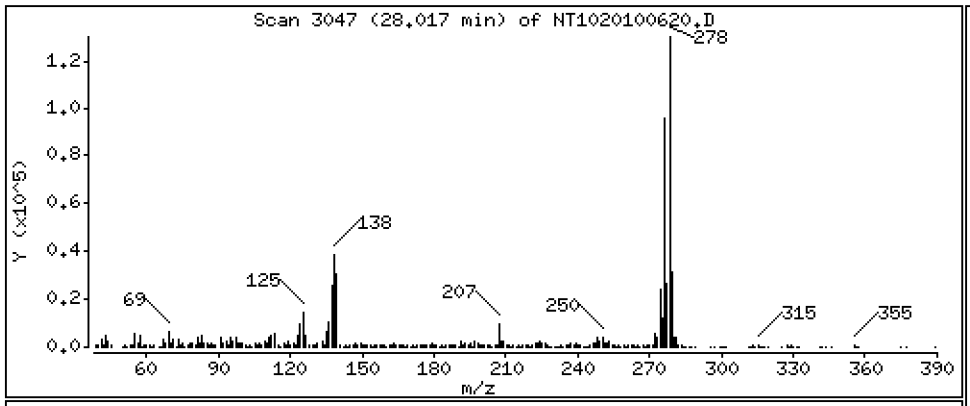
Operator: VTS

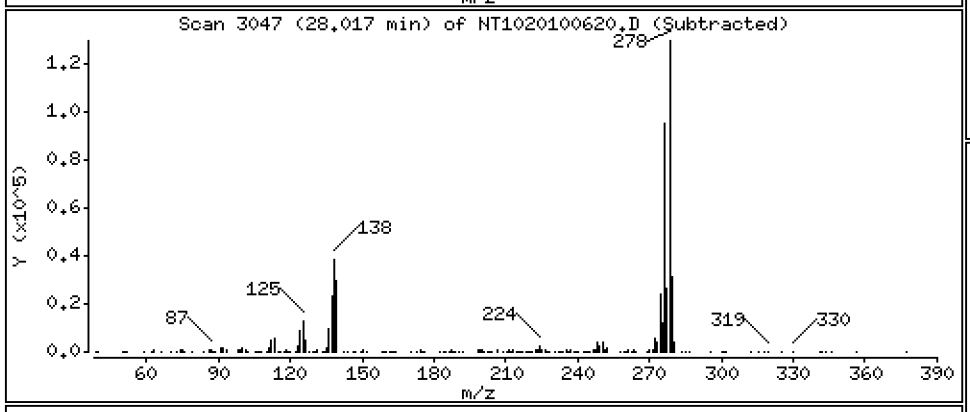
Column phase: ZB-5msi

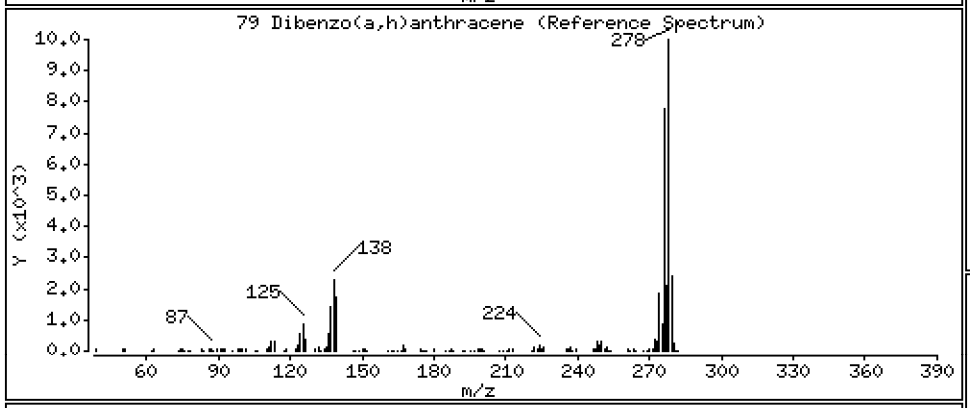
Column diameter: 0.25

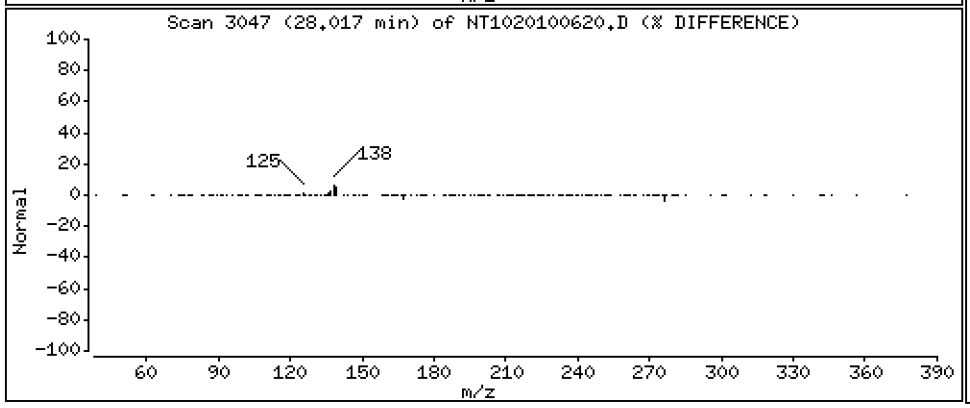
79 Dibenzo(a,h)anthracene

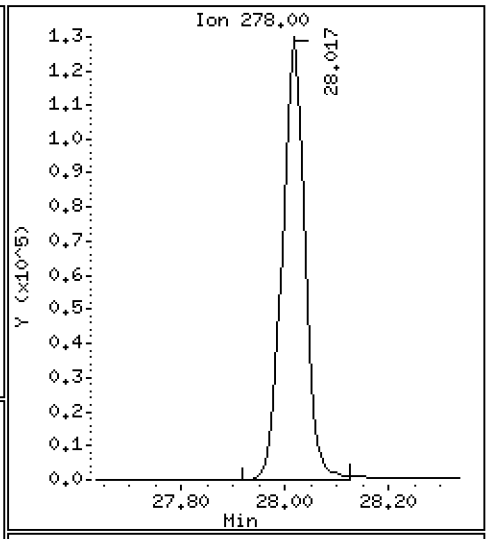
Concentration: 6.393 ug/mL

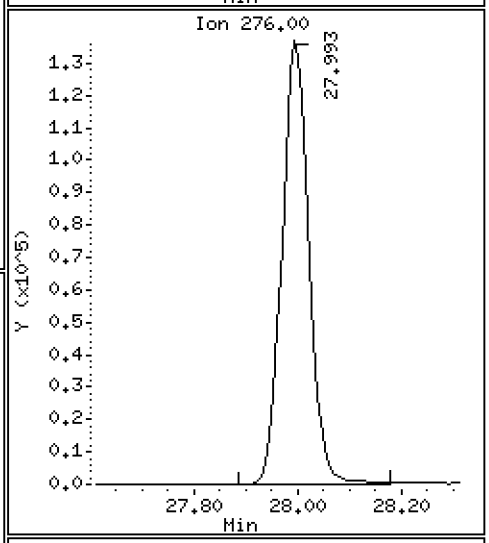


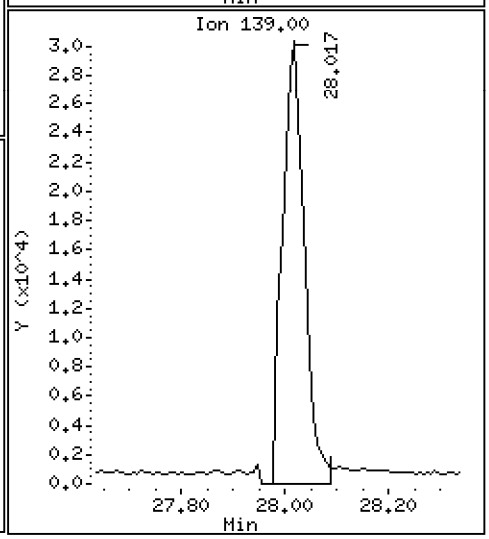












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

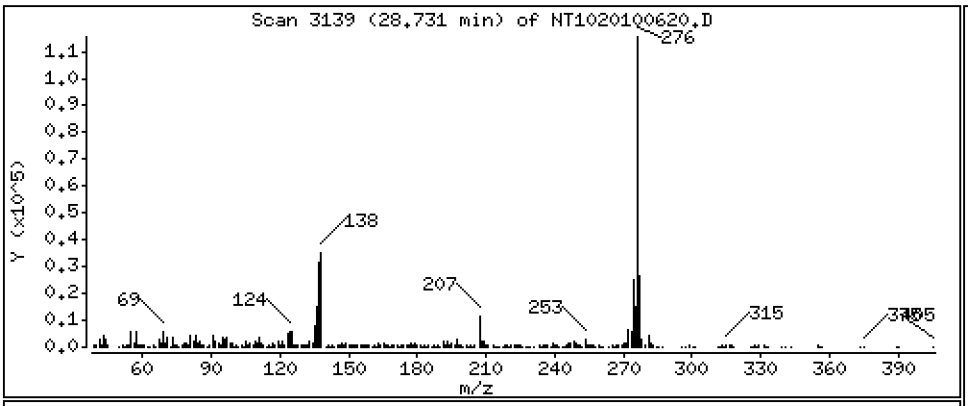
Operator: VTS

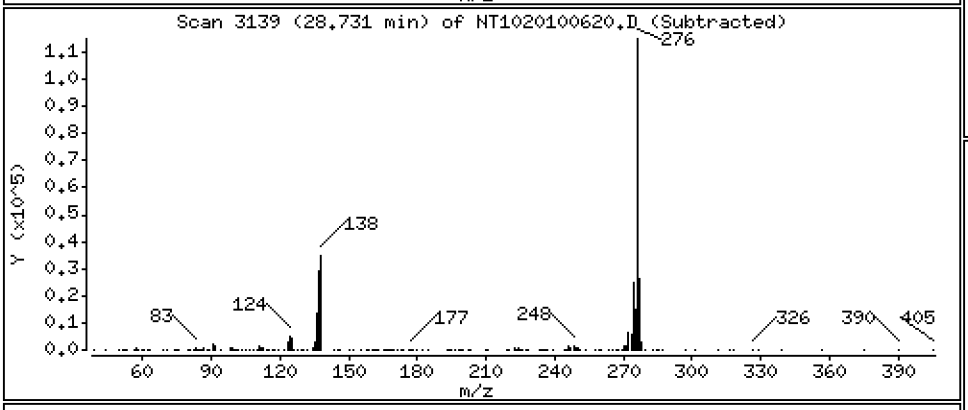
Column phase: ZB-5msi

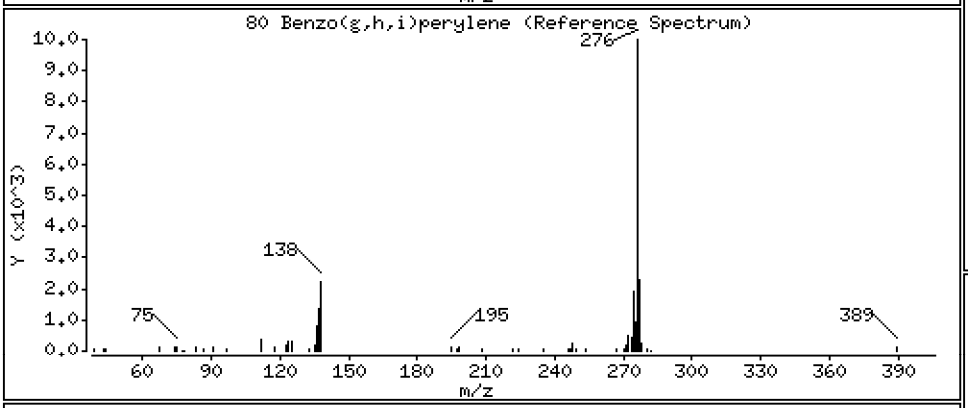
Column diameter: 0.25

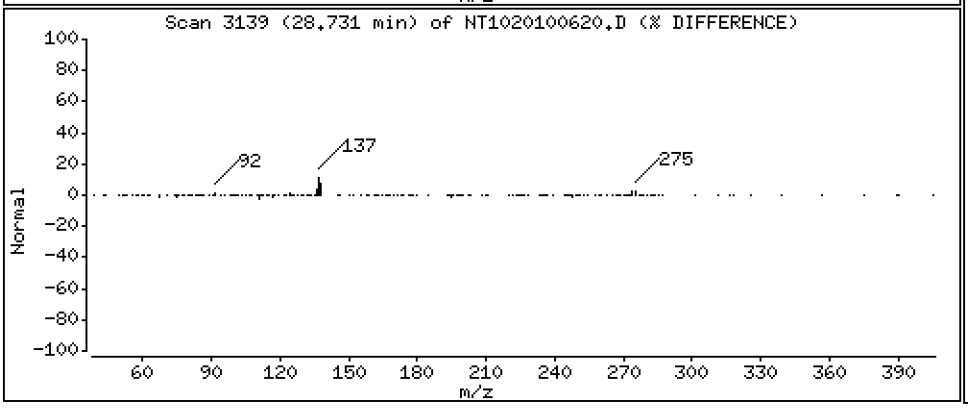
80 Benzo(g,h,i)perylene

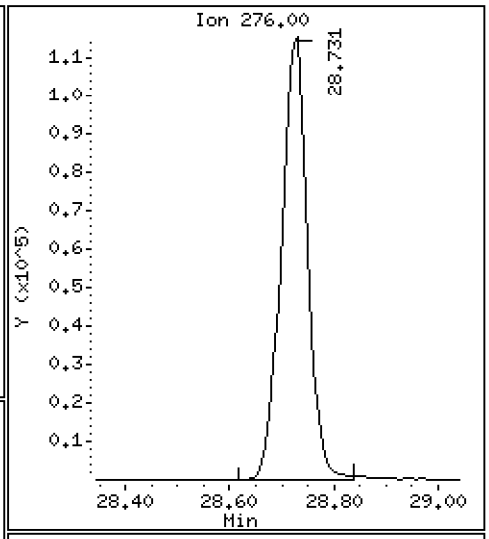
Concentration: 6.560 ug/mL

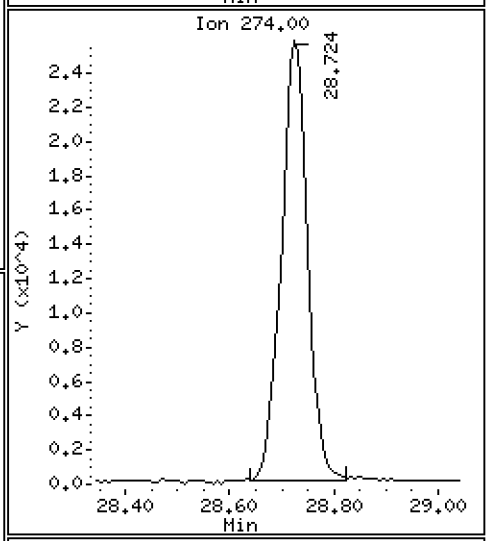


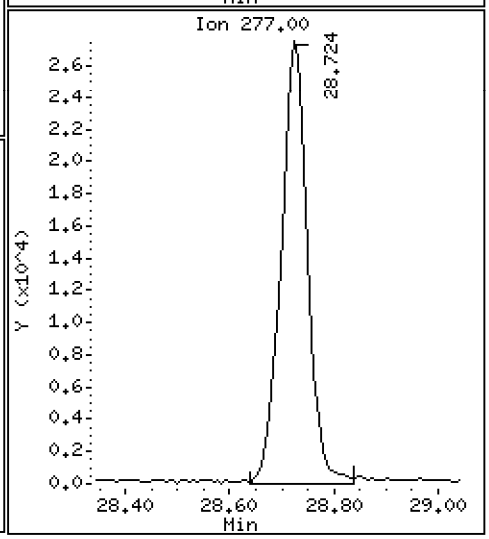












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

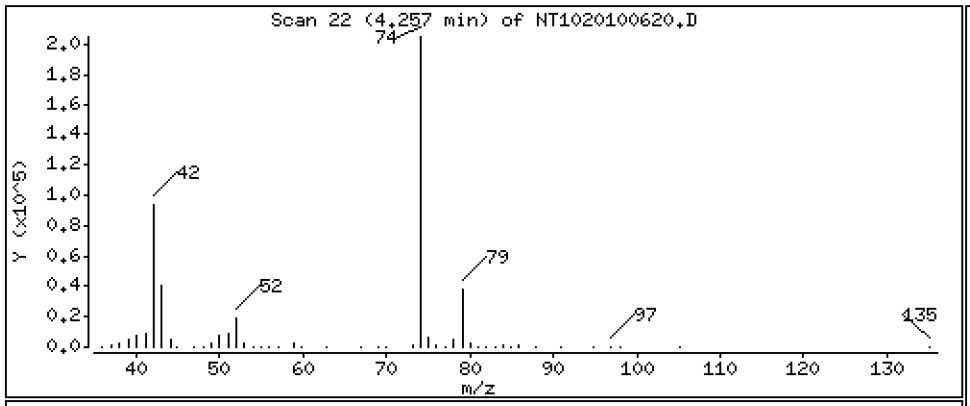
Operator: VTS

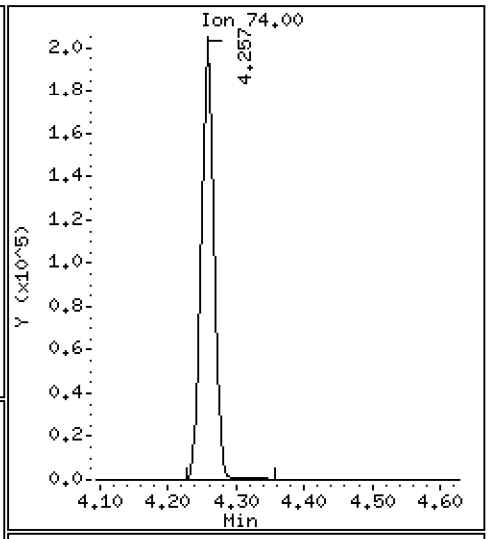
Column phase: ZB-5msi

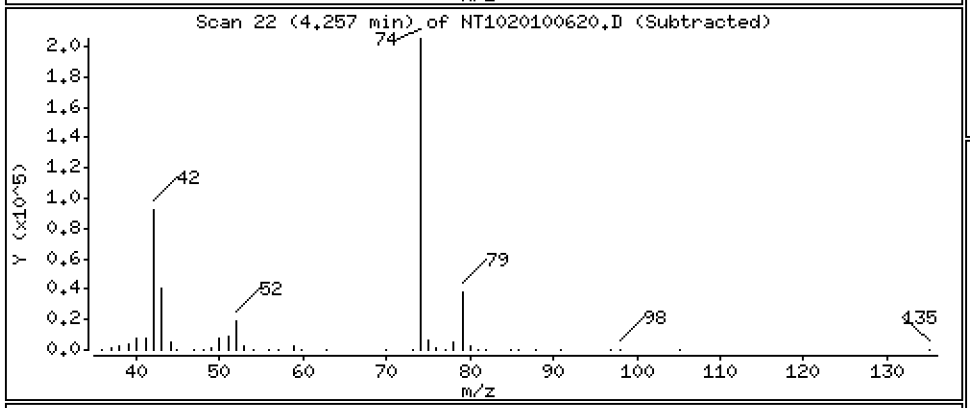
Column diameter: 0.25

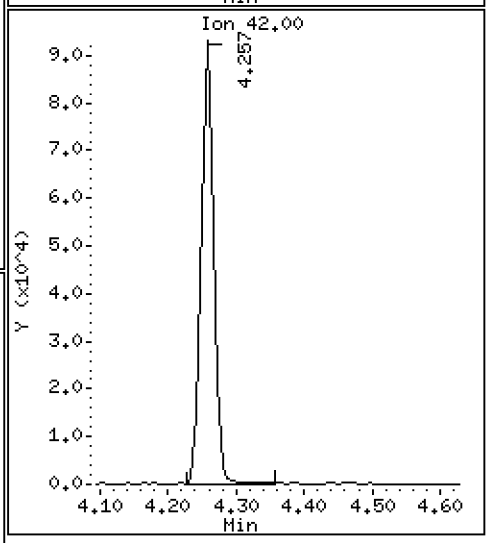
90 N-Nitrosodimethylamine

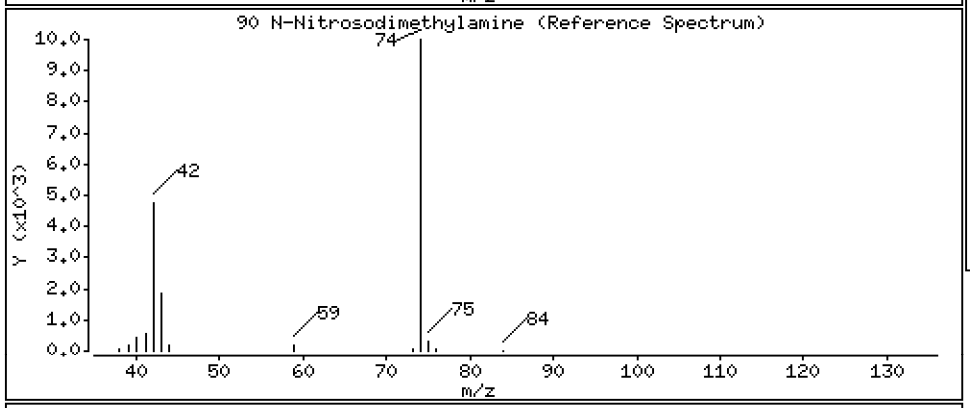
Concentration: 10.77 ug/mL

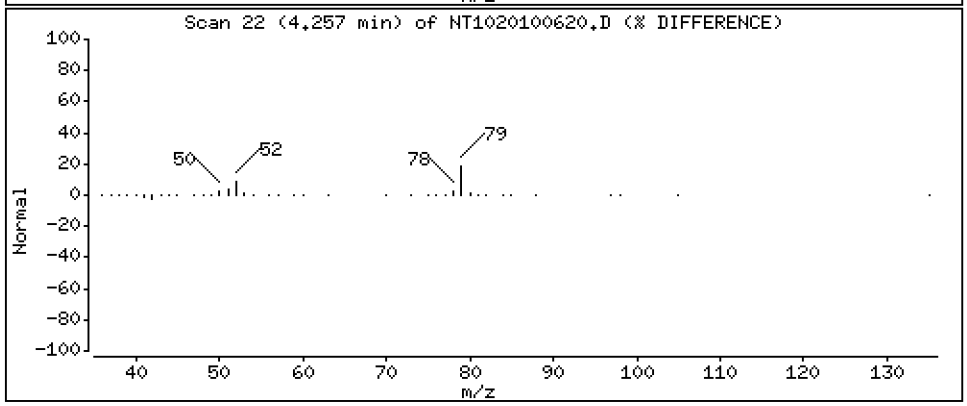












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

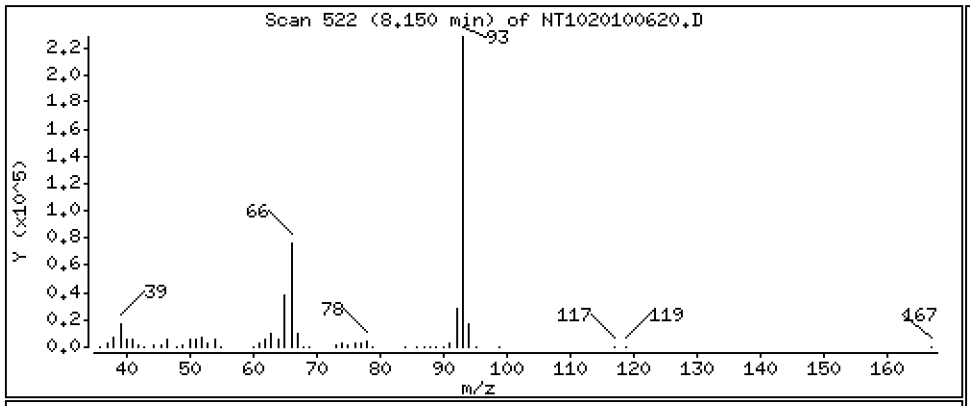
Operator: VTS

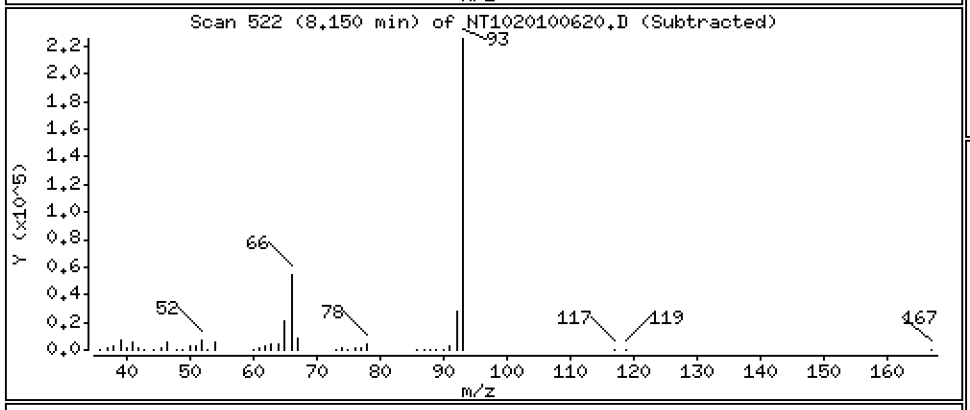
Column phase: ZB-5msi

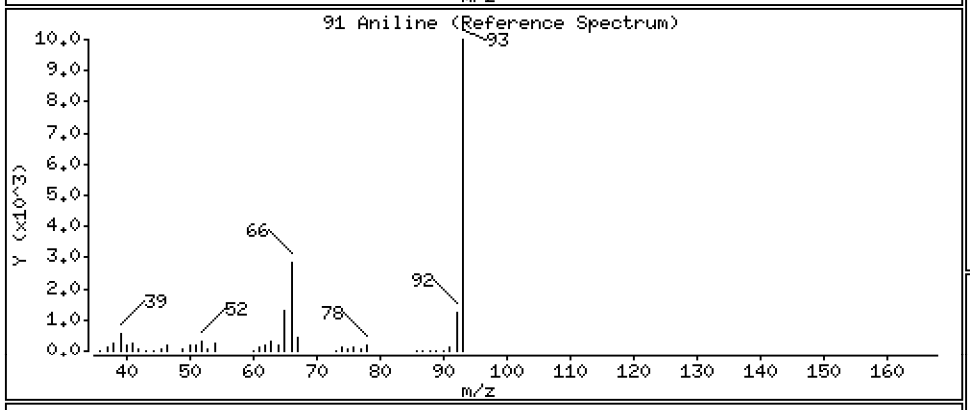
Column diameter: 0.25

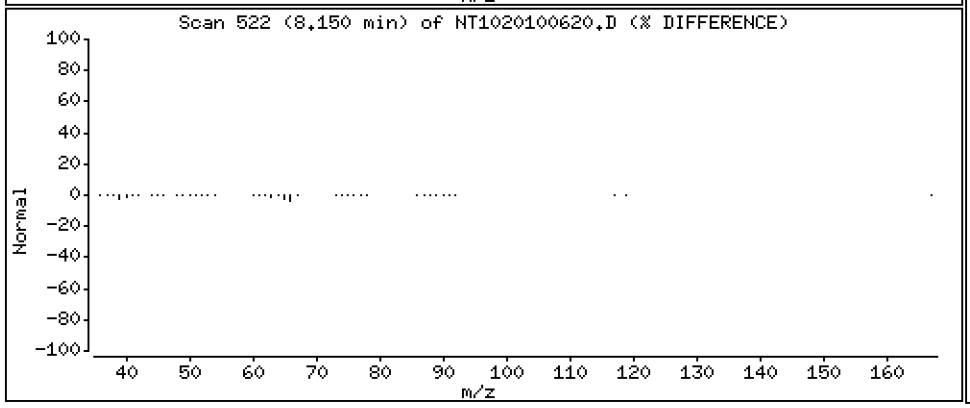
91 Aniline

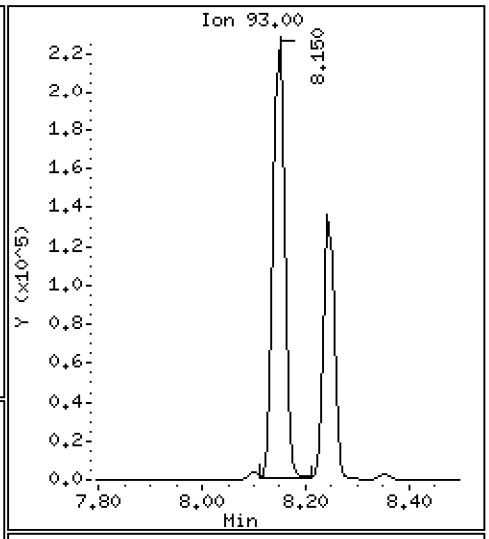
Concentration: 9.718 ug/mL

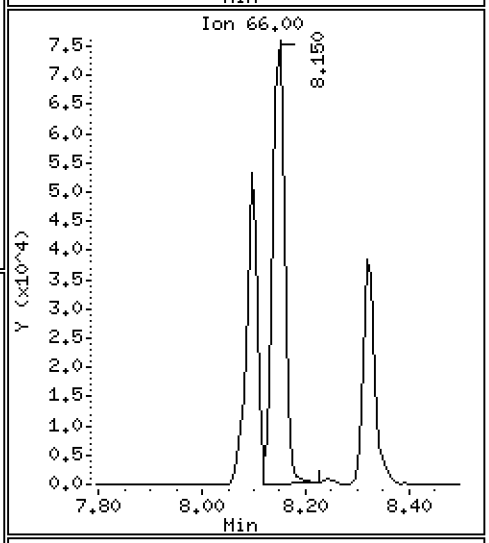


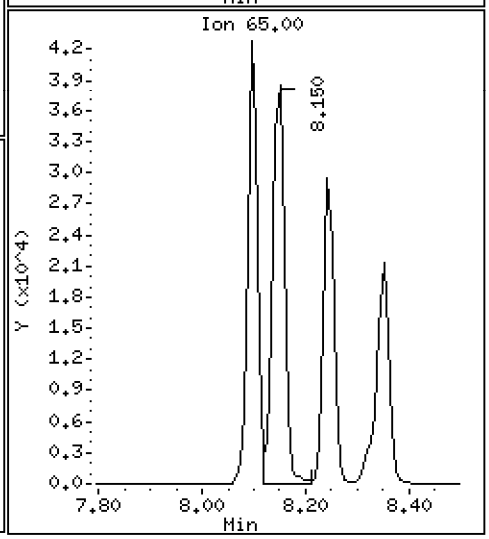












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

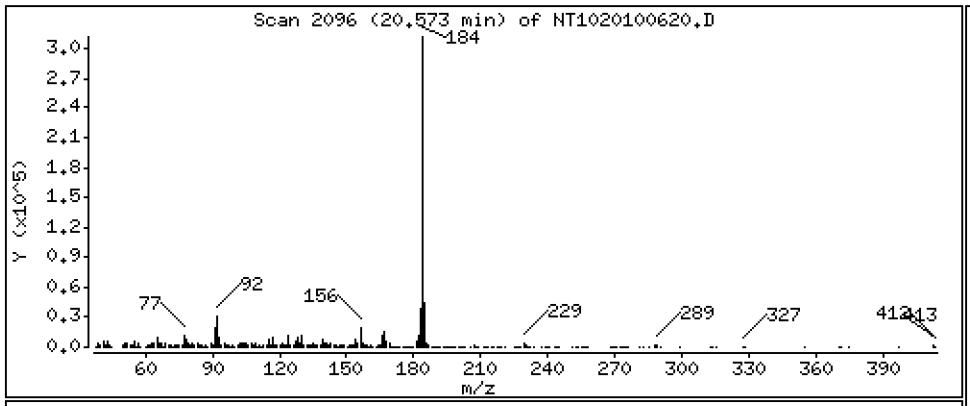
Operator: VTS

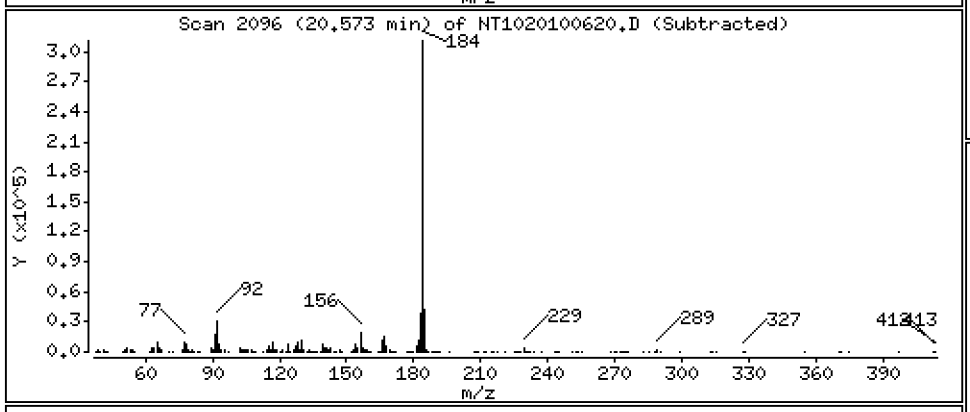
Column phase: ZB-5msi

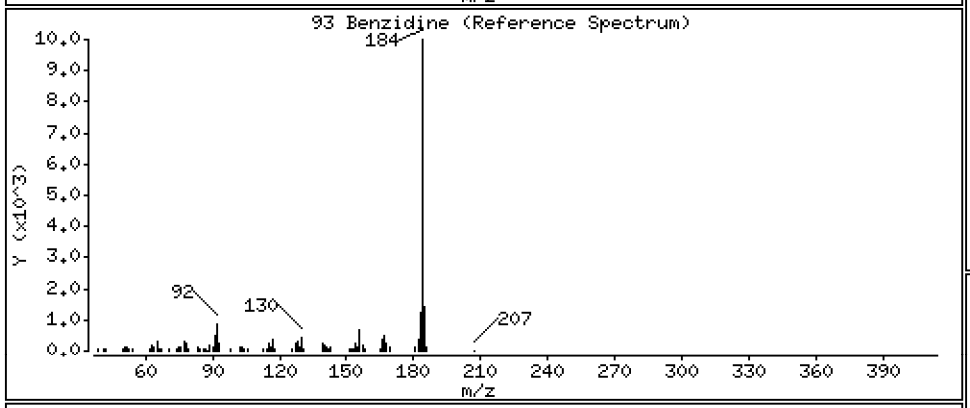
Column diameter: 0.25

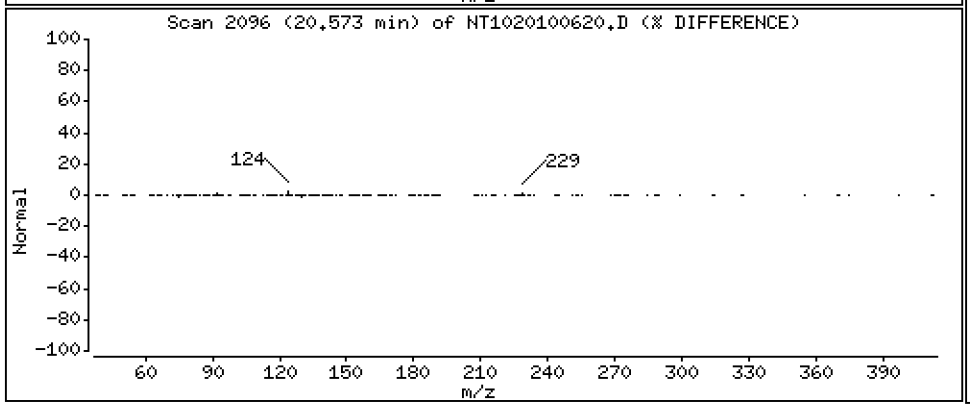
93 Benzidine

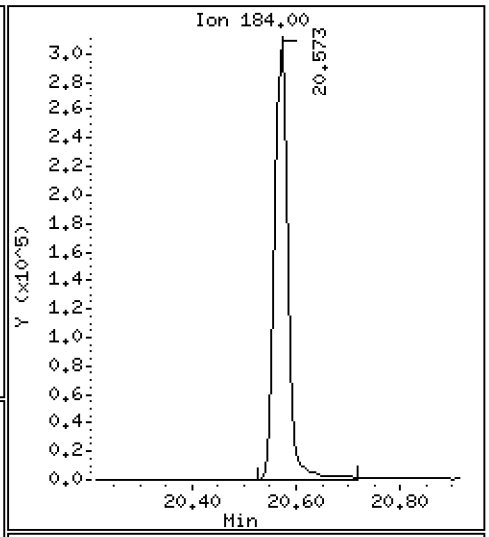
Concentration: 9.570 ug/mL

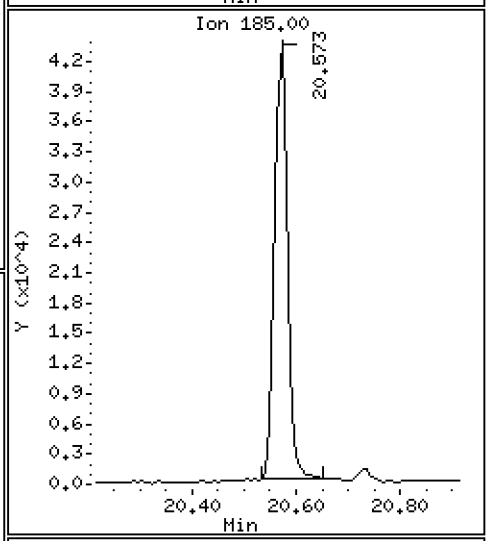


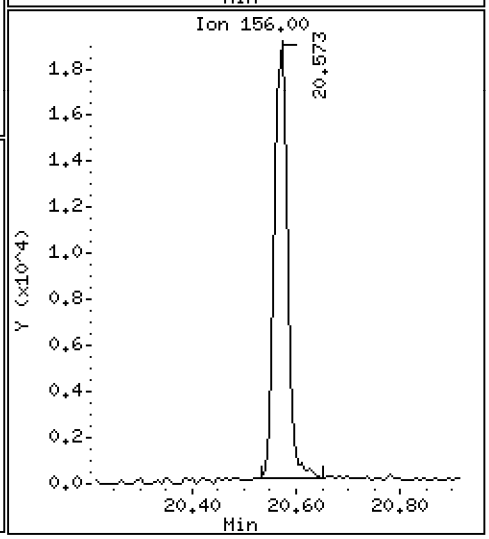












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

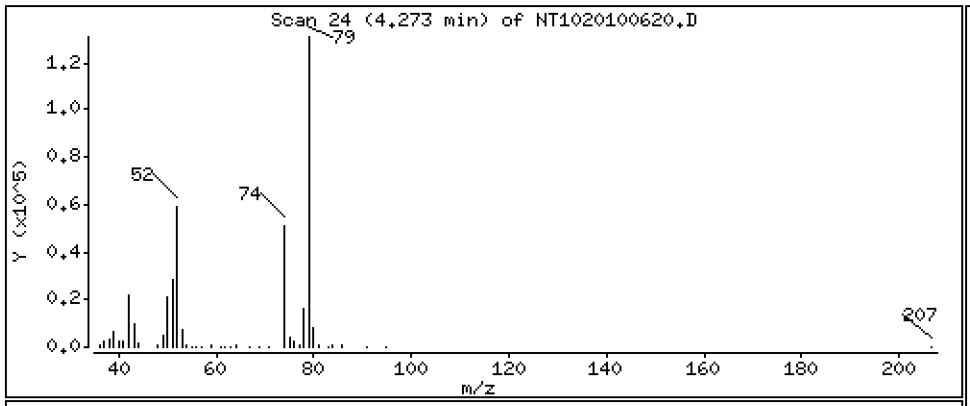
Operator: VTS

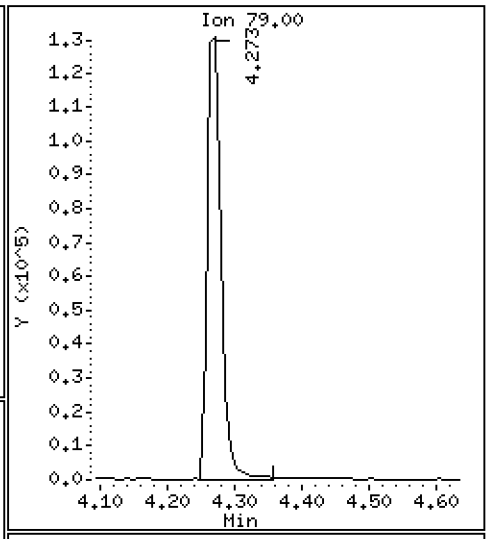
Column phase: ZB-5msi

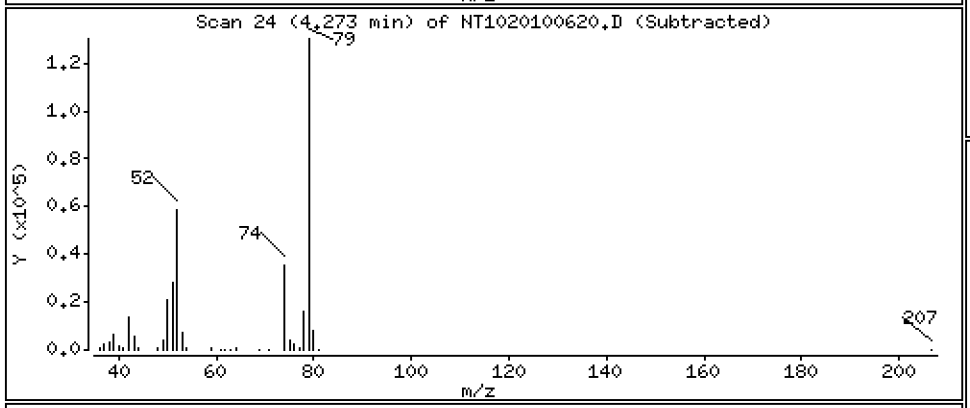
Column diameter: 0.25

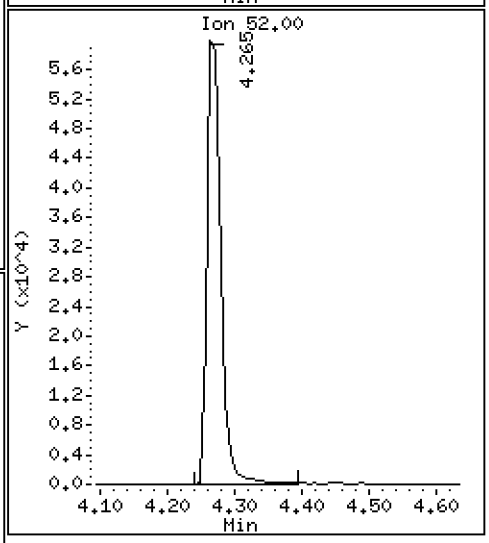
103 Pyridine

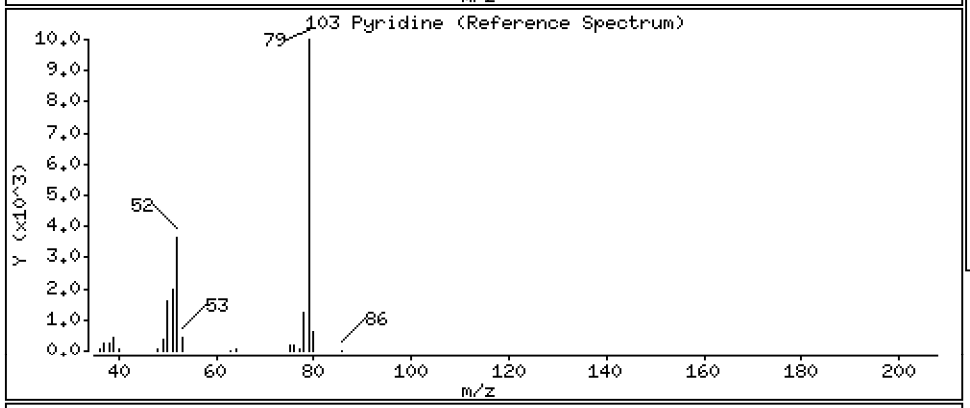
Concentration: 5.127 ug/mL

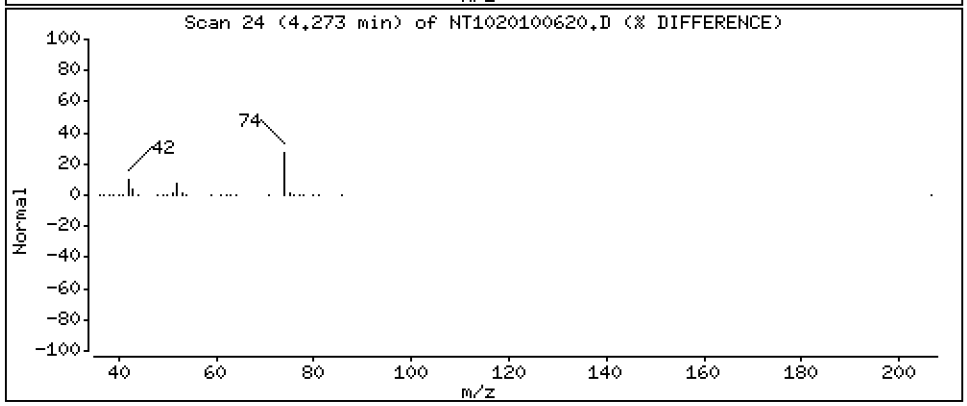












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

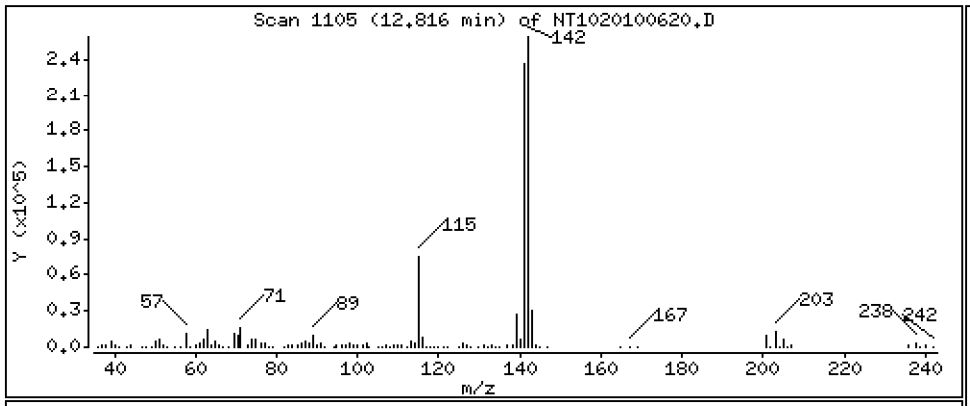
Operator: VTS

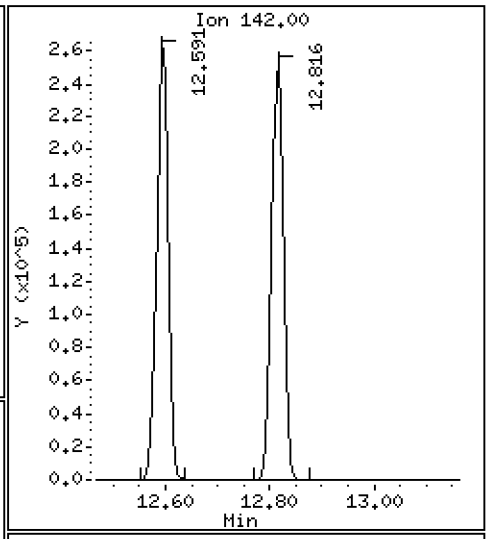
Column phase: ZB-5msi

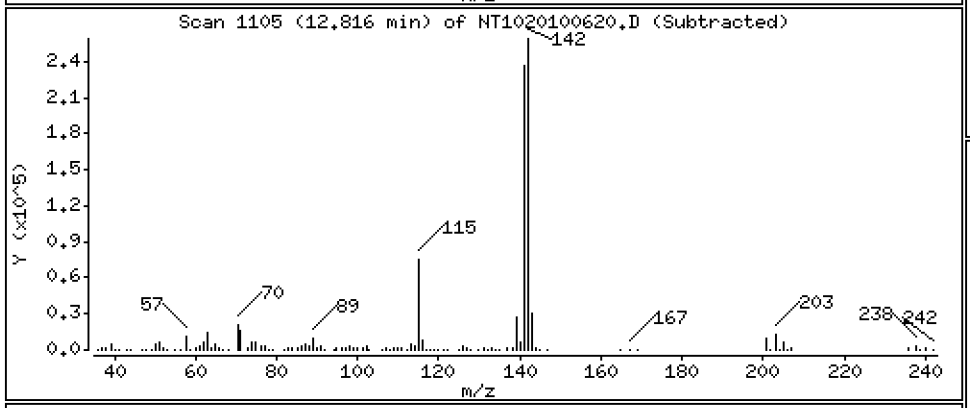
Column diameter: 0.25

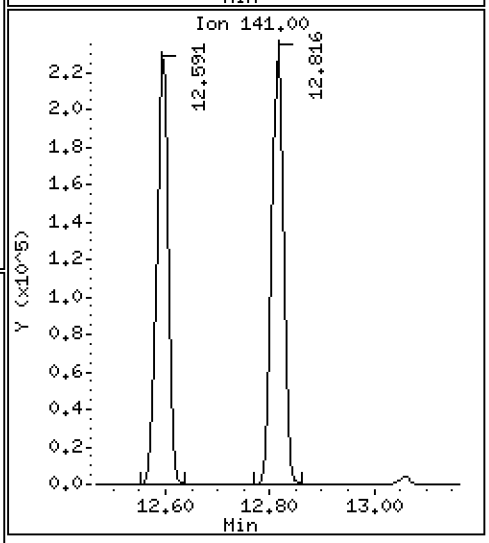
105 1-methylnaphthalene

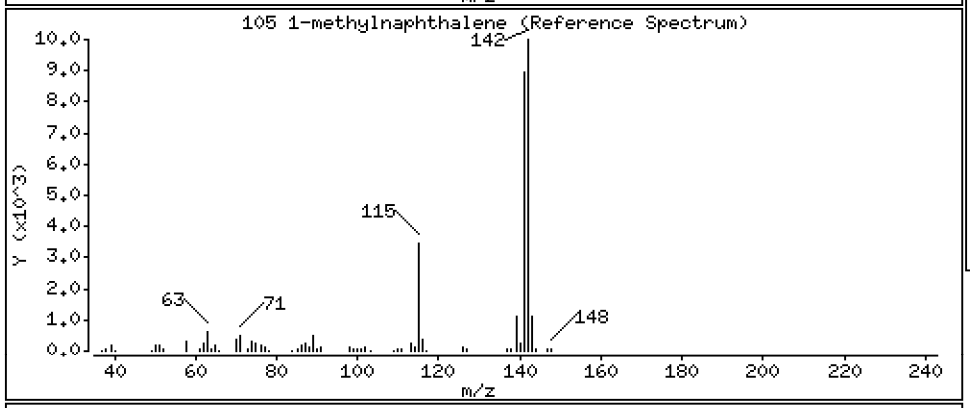
Concentration: 5.546 ug/mL

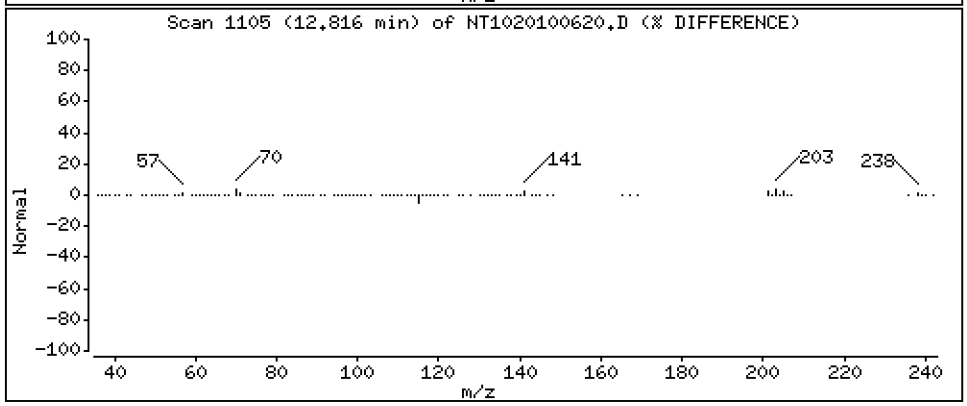












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

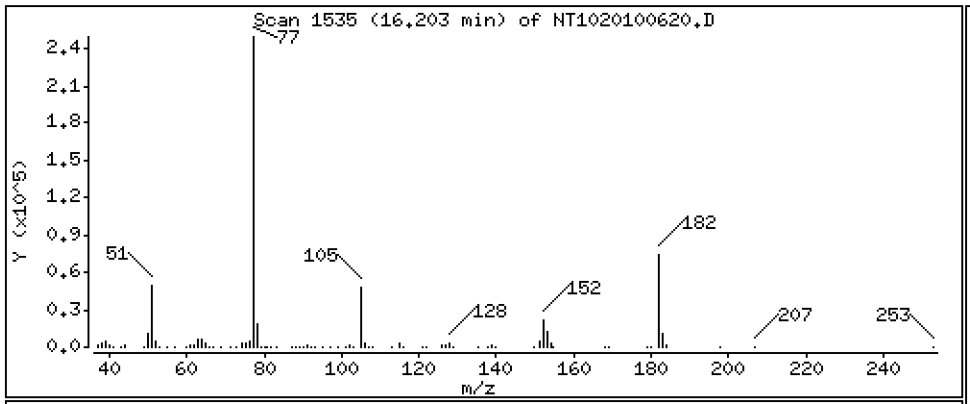
Operator: VTS

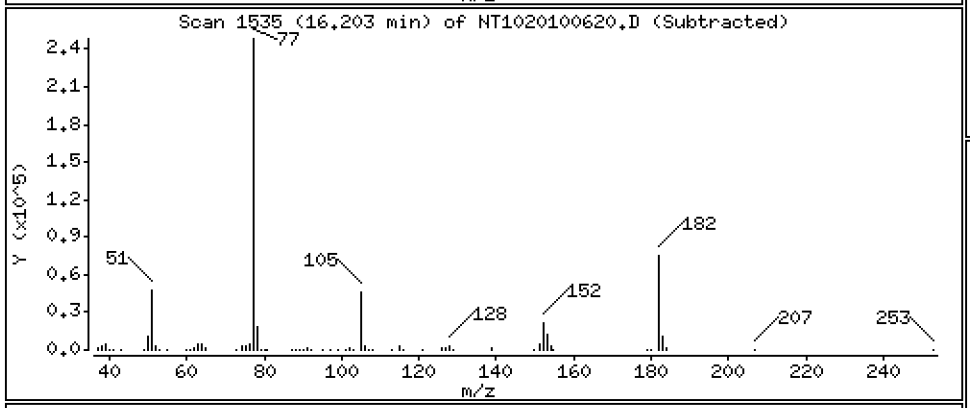
Column phase: ZB-5msi

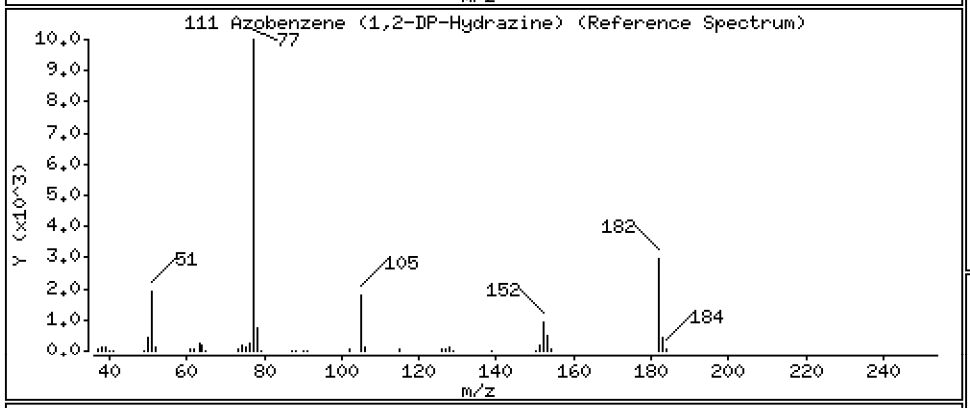
Column diameter: 0.25

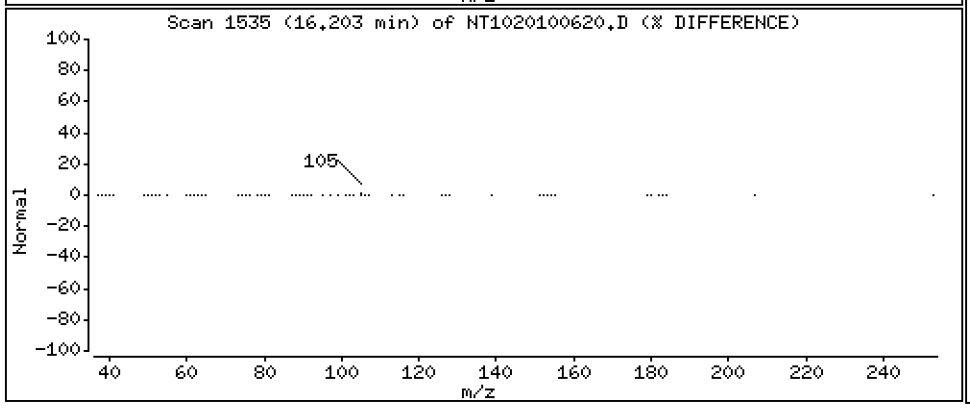
111 Azobenzene (1,2-DP-Hydrazine)

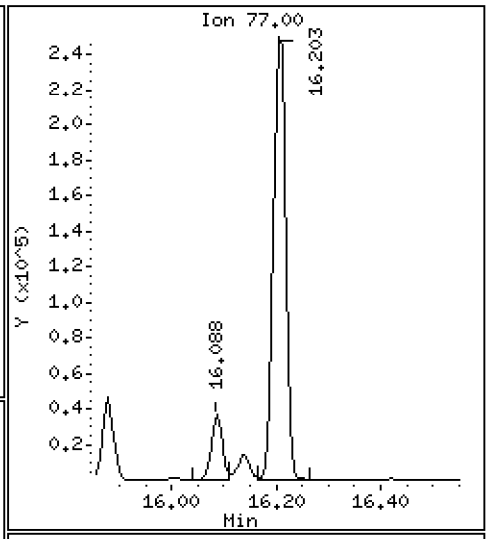
Concentration: 4.759 ug/mL

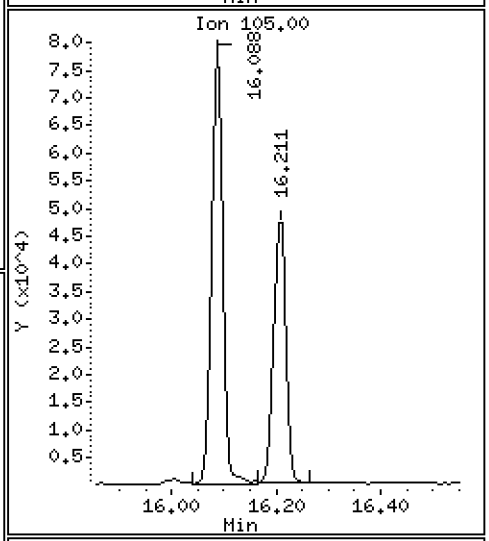


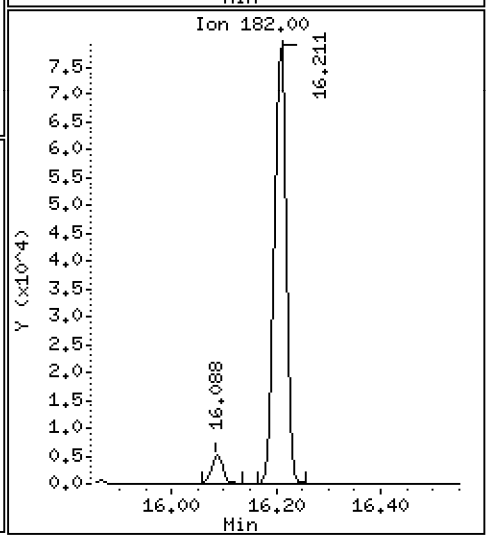












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

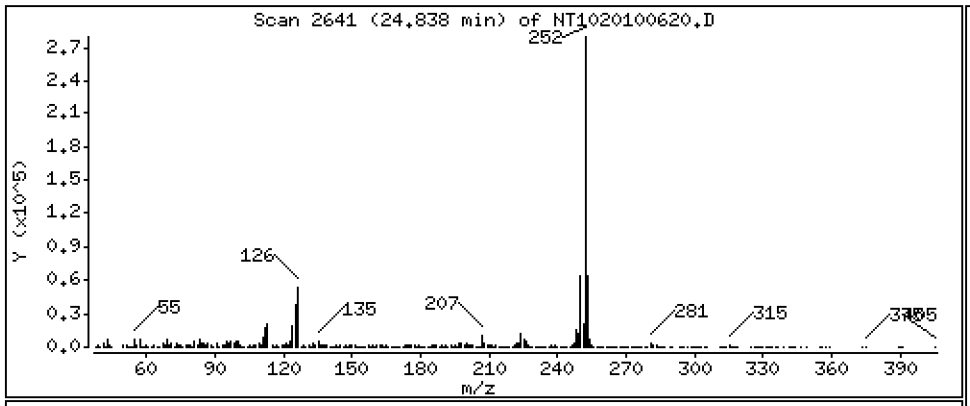
Operator: VTS

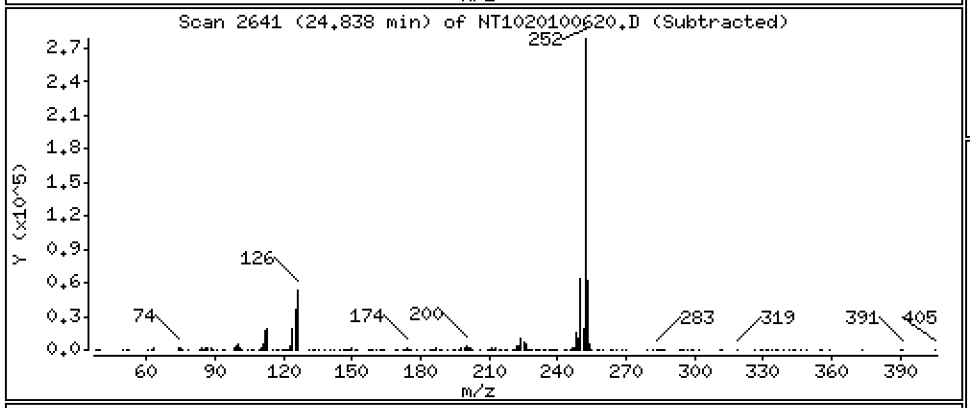
Column phase: ZB-5msi

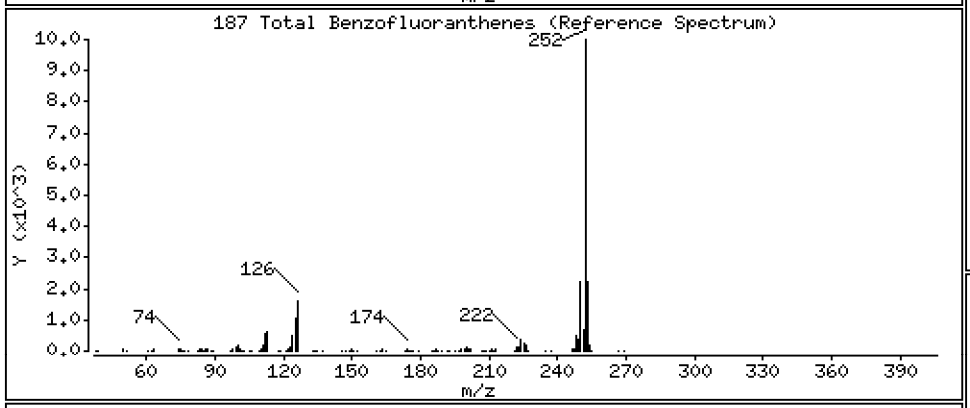
Column diameter: 0.25

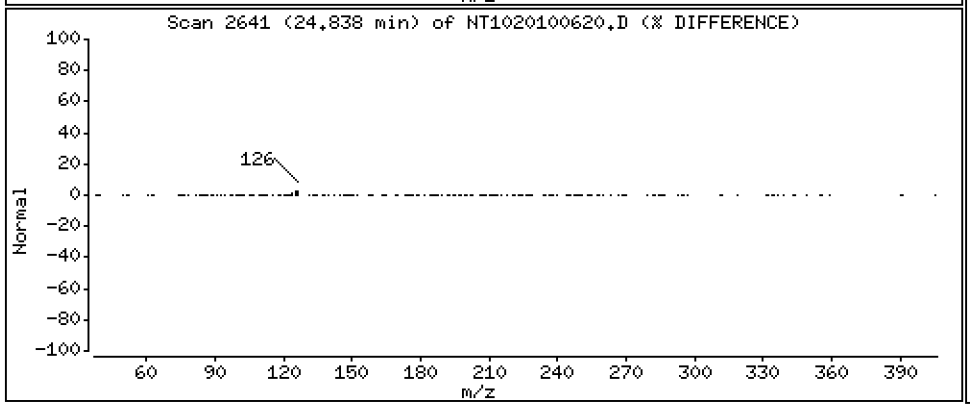
187 Total Benzofluoranthenes

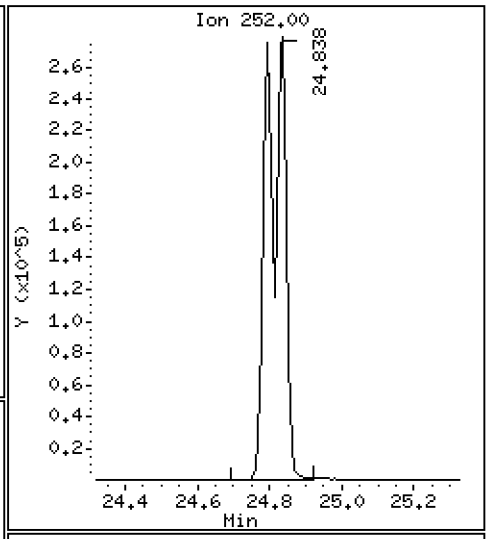
Concentration: 9.018 ug/mL

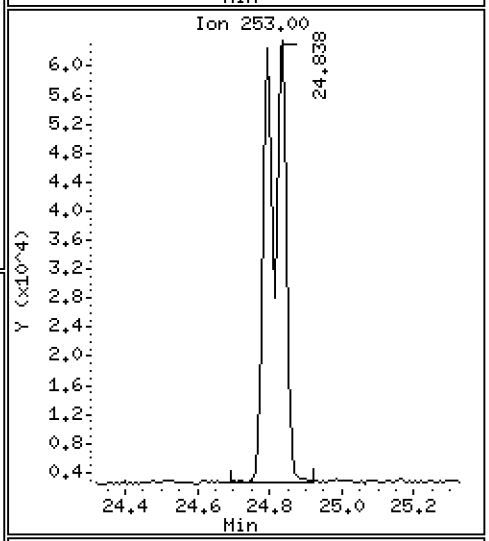


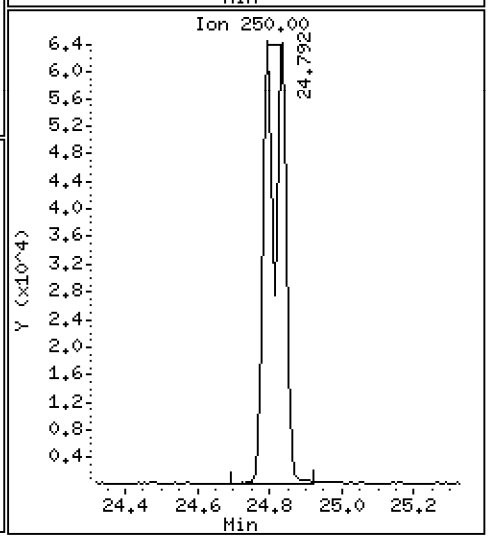












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

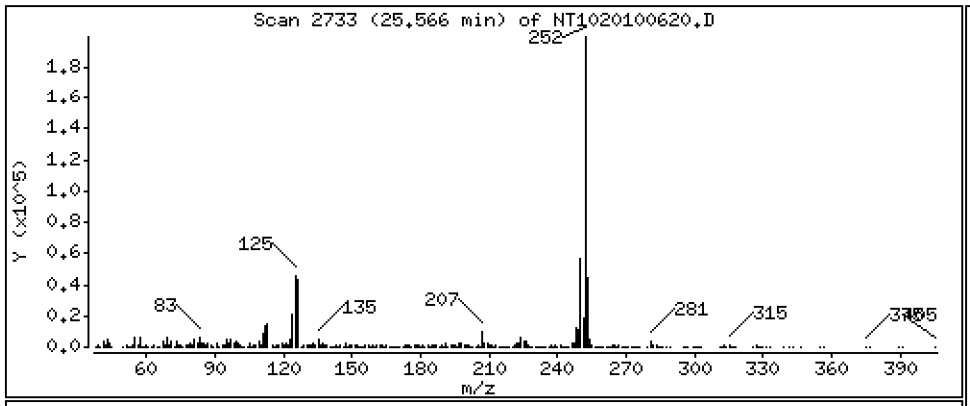
Operator: VTS

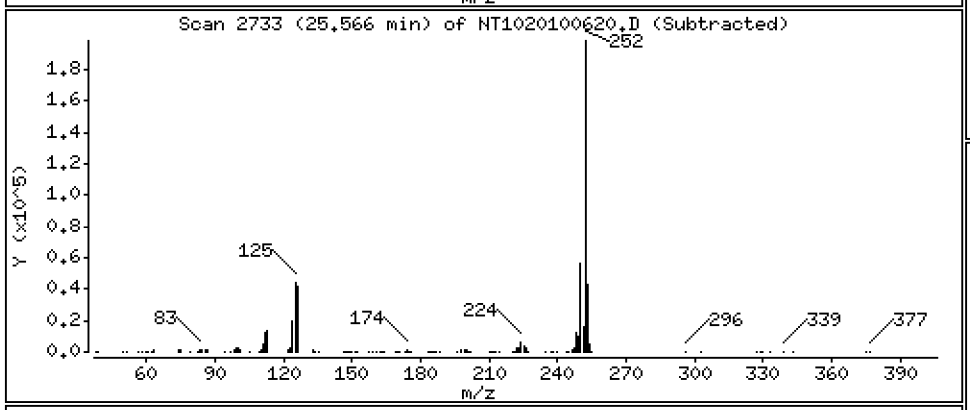
Column phase: ZB-5msi

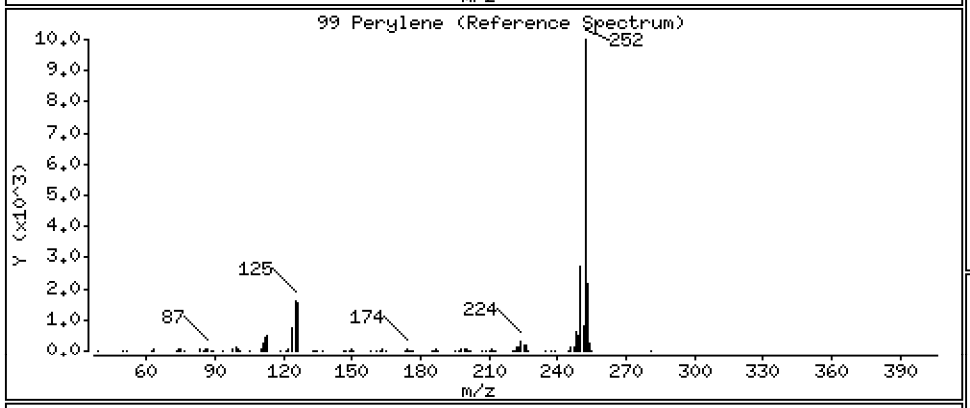
Column diameter: 0.25

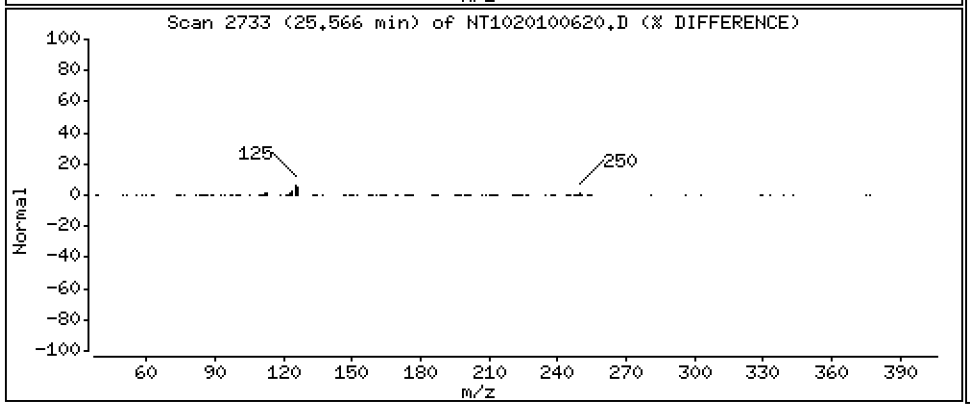
99 Perylene

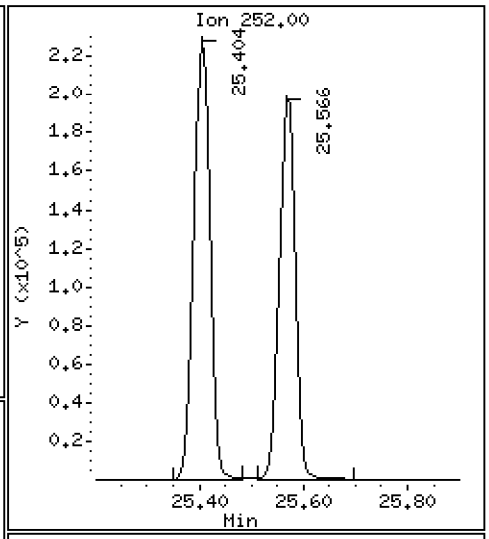
Concentration: 5.121 ug/mL

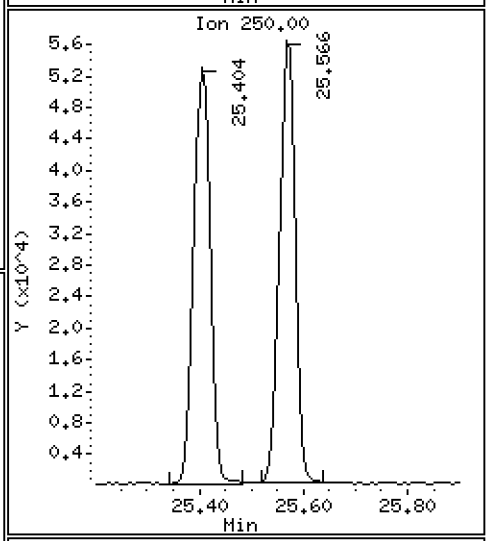


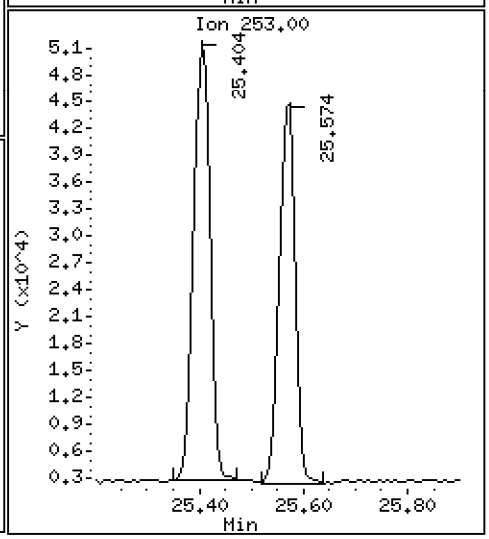












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

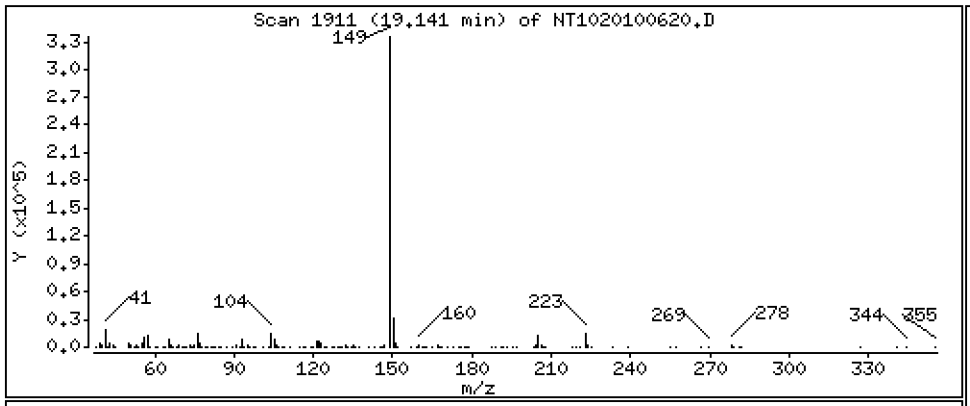
Sample Info: SIJ0067-CCV1

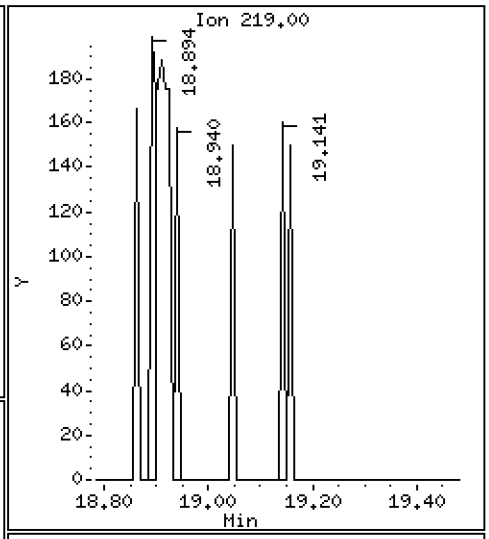
Operator: VTS

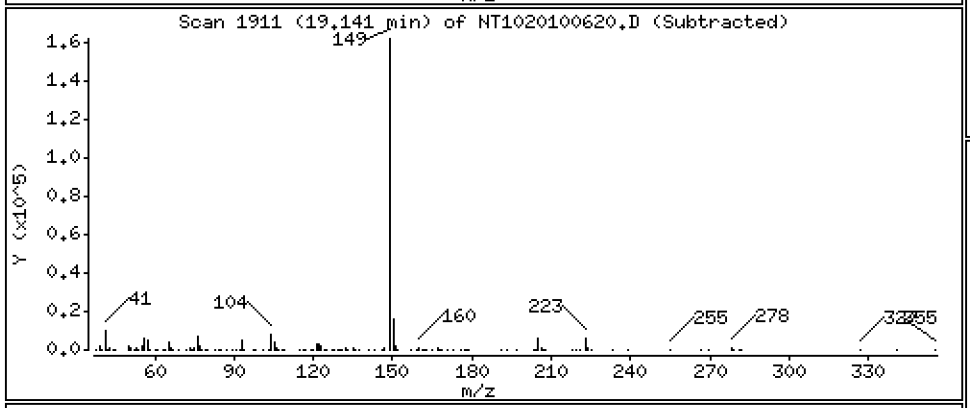
Column phase: ZB-5msi

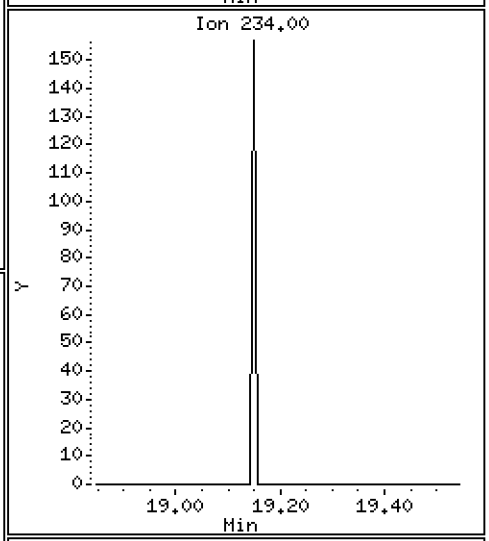
Column diameter: 0.25

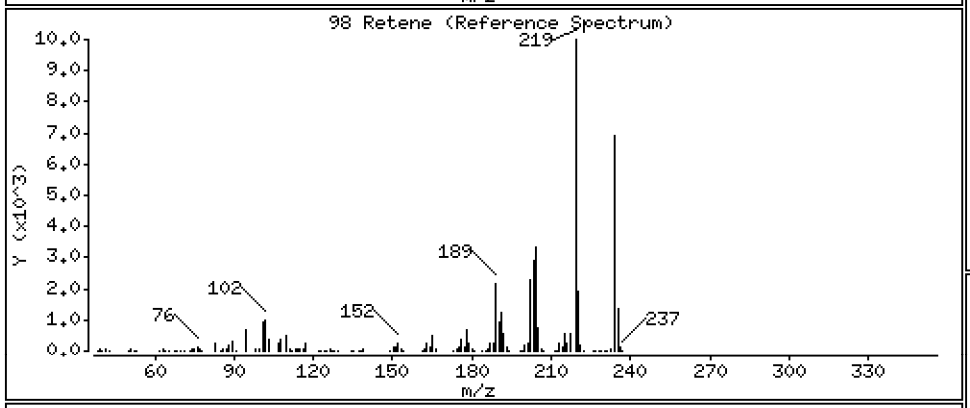
98 Retene

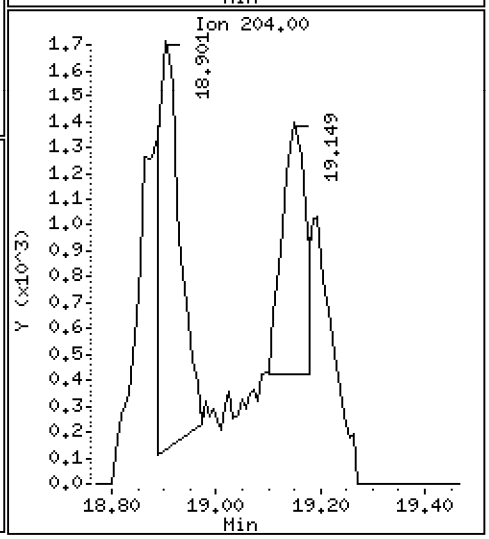


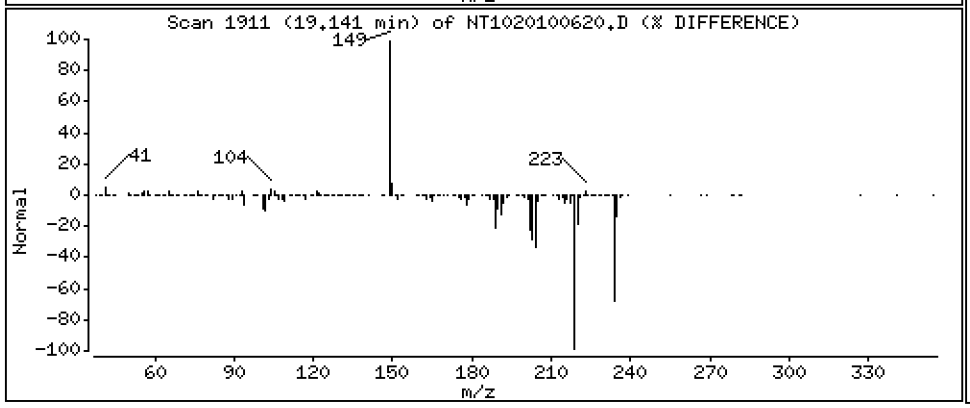












Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D

Date : 07-OCT-2020 00:10

Client ID:

Instrument: nt10.i

Sample Info: SIJ0067-CCV1

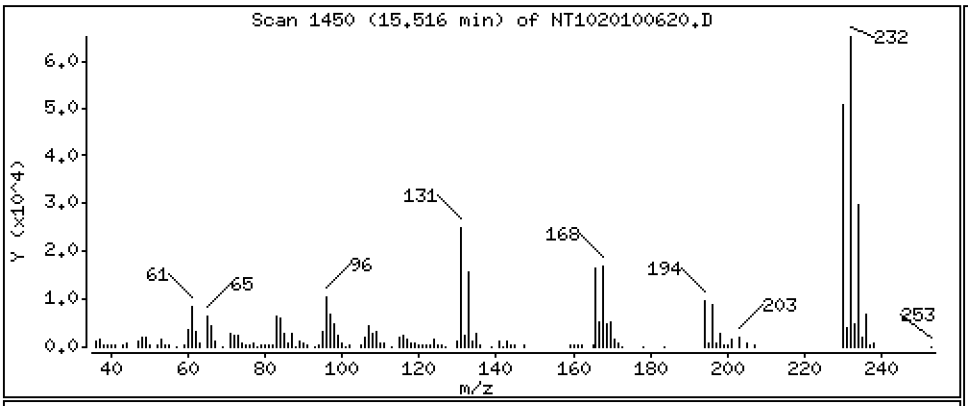
Operator: VTS

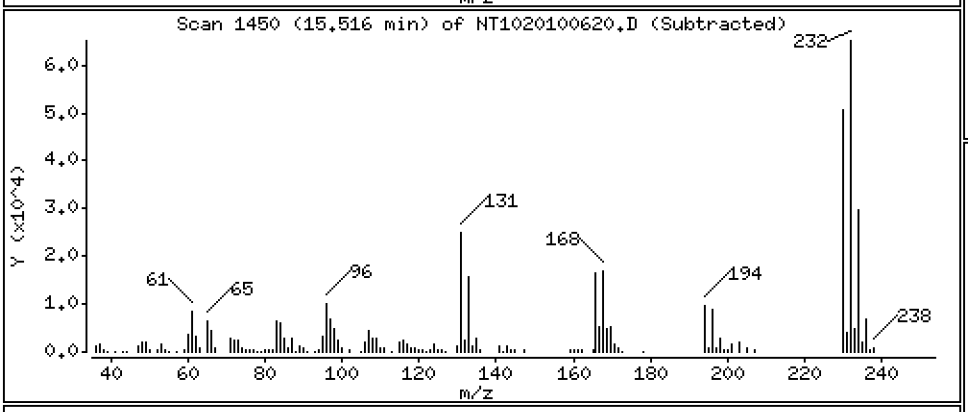
Column phase: ZB-5msi

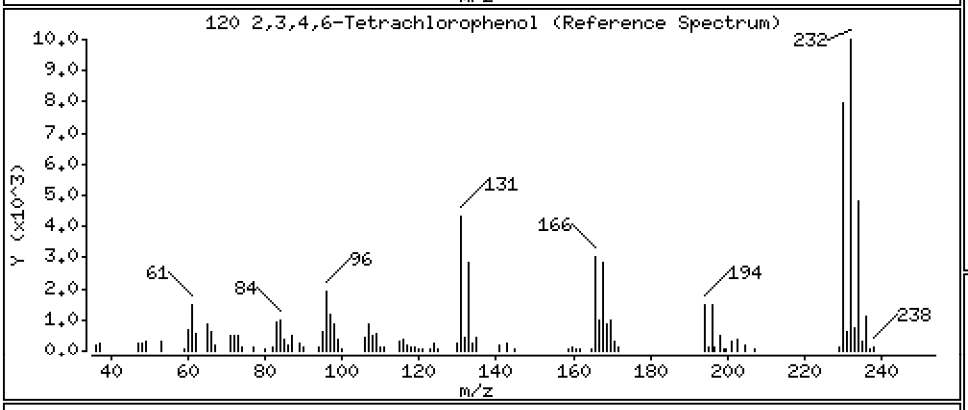
Column diameter: 0.25

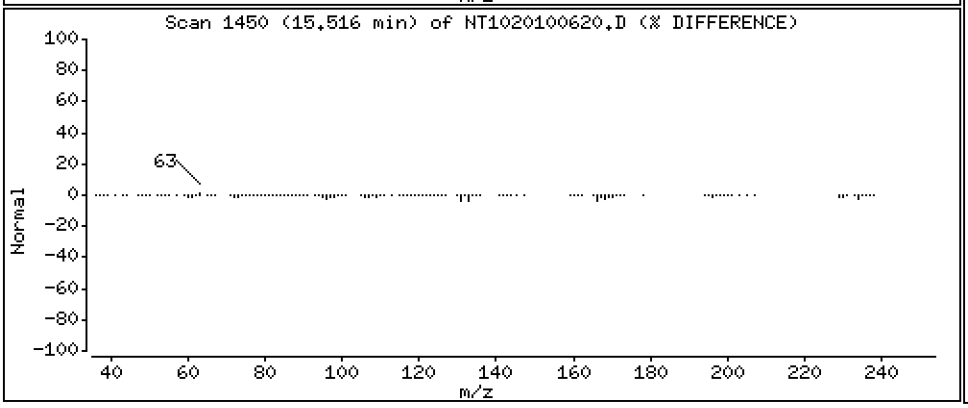
120 2,3,4,6-Tetrachlorophenol

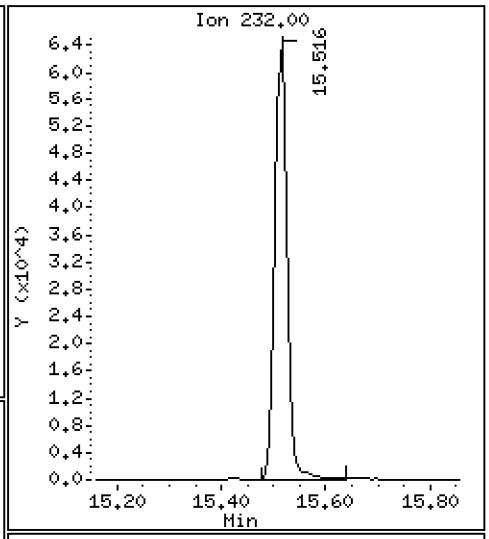
Concentration: 5.542 ug/mL

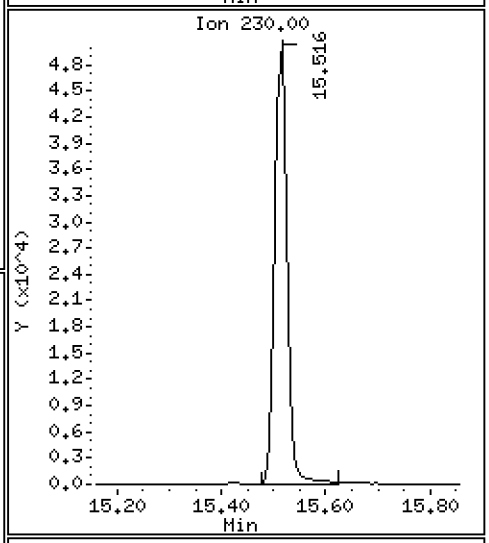


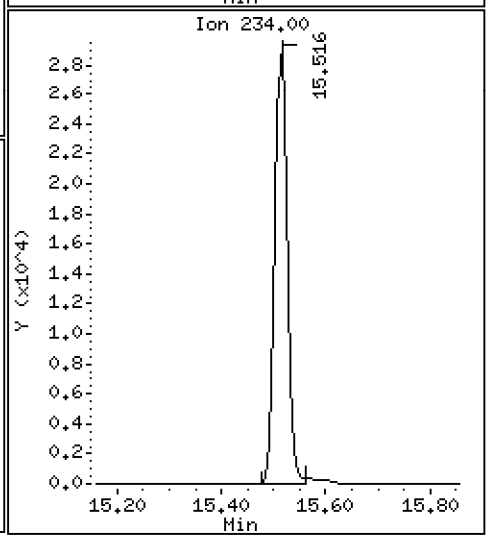












ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D
Lab Smp Id: SIJ0067-CCV1
Inj Date : 07-OCT-2020 00:10
Operator : VTS Inst ID: nt10.i
Smp Info : SIJ0067-CCV1
Misc Info :
Comment : 1ul Injection
Method : \\target\share\chem3\nt10.i\20201006.b\ABN.m
Meth Date : 06-Oct-2020 14:48 van Quant Type: ISTD
Cal Date : 19-SEP-2020 17:51 Cal File: NT1020091910.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAICAL.sub
Target Version: 4.14
Processing Host: ORGDATA102

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	6.465	6.465	(0.745)	267092	7.64553	7.646
$	2 Phenol-d5	99	8.080	8.073	(0.931)	384868	7.84504	7.845
	3 Phenol	94	8.096	8.096	(0.933)	245336	5.09758	5.098
$	5 2-Chlorophenol-d4	132	8.320	8.328	(0.959)	269716	7.48429	7.484
	4 Bis(2-Chloroethyl)ether	93	8.243	8.250	(0.950)	181081	4.82816	4.828
	6 2-Chlorophenol	128	8.351	8.351	(0.963)	195023	4.94206	4.942
	7 1,3-Dichlorobenzene	146	8.613	8.614	(0.993)	168780	4.16636	4.166
*	8 1,4-Dichlorobenzene-d4	152	8.675	8.683	(1.000)	95255	4.00000	
	9 1,4-Dichlorobenzene	146	8.706	8.714	(1.004)	177400	5.10754	5.108
$	10 1,2-Dichlorobenzene-d4	152	9.040	9.040	(1.042)	116474	4.98519	4.985
	12 1,2-Dichlorobenzene	146	9.063	9.064	(1.045)	184324	5.01888	5.019
	11 Benzyl alcohol	108	8.970	8.970	(1.034)	111305	5.32342	5.323
	14 2,2'-oxybis(1-Chloropropane)	121	9.265	9.265	(1.068)	58695	4.75403	4.754
	13 2-Methylphenol	108	9.203	9.203	(1.061)	156127	5.11889	5.119
	17 Hexachloroethane	117	9.646	9.646	(1.112)	63446	4.19177	4.192
	16 N-Nitroso-di-n-propylamine	70	9.521	9.522	(1.098)	109746	4.85538	4.855
	15 4-Methylphenol	108	9.475	9.475	(1.092)	180514	5.53201	5.532
$	18 Nitrobenzene-d5	82	9.778	9.778	(0.876)	171082	5.00611	5.006
	19 Nitrobenzene	77	9.816	9.816	(0.880)	181197	5.05262	5.053
	20 Isophorone	82	10.266	10.259	(0.920)	371084	5.25400	5.254
	21 2-Nitrophenol	139	10.440	10.440	(0.935)	138548	6.50854	6.509
	22 2,4-Dimethylphenol	107	10.516	10.508	(0.942)	308555	10.1797	10.18
	23 Bis(2-Chloroethoxy)methane	93	10.703	10.703	(0.959)	180673	4.88399	4.884
	24 Benzoic acid	105	10.746	10.737	(0.963)	347390	16.7805	16.78
	25 2,4-Dichlorophenol	162	10.898	10.898	(0.977)	275581	10.1443	10.14
	26 1,2,4-Trichlorobenzene	180	11.075	11.075	(0.992)	167643	5.73706	5.737
*	27 Naphthalene-d8	136	11.160	11.160	(1.000)	328399	4.00000	
	28 Naphthalene	128	11.198	11.199	(1.003)	442553	5.19791	5.198
	29 4-Chloroaniline	127	11.345	11.345	(1.017)	400267	11.3443	11.34
	30 Hexachlorobutadiene	225	11.561	11.562	(1.036)	87333	5.34163	5.342
	31 4-Chloro-3-methylphenol	107	12.328	12.320	(1.105)	315935	10.8912	10.89
	32 2-Methylnaphthalene	142	12.591	12.591	(1.128)	401849	5.66610	5.666
	33 Hexachlorocyclopentadiene	237	13.055	13.055	(0.884)	53855	2.33696	2.337

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
	34 2,4,6-Trichlorophenol	196	13.225	13.225	(0.896)	249695	10.8494	10.85
	35 2,4,5-Trichlorophenol	196	13.303	13.295	(0.901)	271139	10.8139	10.81
$	36 2-Fluorobiphenyl	172	13.380	13.380	(0.906)	420009	5.25974	5.260
	37 2-Chloronaphthalene	162	13.581	13.581	(0.920)	383834	5.32565	5.326
	38 2-Nitroaniline	65	13.868	13.860	(0.939)	201953	10.7397	10.74
	39 Dimethylphthalate	163	14.301	14.301	(0.969)	358757	5.11471	5.115
	40 Acenaphthylene	152	14.456	14.448	(0.979)	507030	4.82288	4.823
	41 2,6-Dinitrotoluene	165	14.440	14.441	(0.978)	166370	10.3842	10.38
*	42 Acenaphthene-d10	164	14.765	14.766	(1.000)	178566	4.00000	
	43 3-Nitroaniline	138	14.727	14.719	(0.997)	195724	10.6011	10.60
	44 Acenaphthene	153	14.835	14.827	(1.005)	304083	5.06945	5.069
	45 2,4-Dinitrophenol	184	14.935	14.936	(1.012)	203085	19.2292	19.23
	46 Dibenzofuran	168	15.167	15.160	(1.027)	463832	5.29269	5.293
	47 4-Nitrophenol	109	15.082	15.067	(1.021)	60940	9.90746	9.907
	48 2,4-Dinitrotoluene	165	15.252	15.245	(1.033)	229728	10.8336	10.83
	50 Diethylphthalate	149	15.763	15.763	(1.068)	326287	5.08698	5.087
	49 Fluorene	166	15.879	15.871	(1.075)	356945	4.91749	4.917
	51 4-Chlorophenyl-phenylether	204	15.879	15.879	(1.075)	172172	4.91359	4.914
	52 4-Nitroaniline	138	16.002	15.995	(1.084)	258619	14.0254	14.03
	53 4,6-Dinitro-2-methylphenol	198	16.087	16.087	(0.903)	339421	21.1529	21.15
	54 N-Nitrosodiphenylamine	169	16.141	16.134	(0.906)	213085	4.85009	4.850
$	55 2,4,6-Tribromophenol	330	16.419	16.411	(1.112)	93998	7.51274	7.513
	56 4-Bromophenyl-phenylether	248	16.889	16.882	(0.948)	152944	5.12899	5.129
	57 Hexachlorobenzene	284	17.191	17.183	(0.965)	142489	4.85714	4.857
	58 Pentachlorophenol	266	17.562	17.555	(0.986)	105938	8.72858	8.729
*	59 Phenanthrene-d10	188	17.818	17.810	(1.000)	338388	4.00000	
	60 Phenanthrene	178	17.864	17.857	(1.003)	438535	4.91448	4.914
	61 Anthracene	178	17.957	17.949	(1.008)	493954	5.14984	5.150
	62 Carbazole	167	18.305	18.298	(1.027)	501570	5.18274	5.183
	63 Di-n-butylphthalate	149	19.148	19.141	(1.075)	666798	5.35226	5.352
	64 Fluoranthene	202	20.301	20.294	(0.884)	618364	4.61383	4.614
	65 Pyrene	202	20.735	20.719	(0.903)	627941	4.61236	4.612
$	66 Terphenyl-d14	244	21.044	21.037	(0.916)	380121	4.18204	4.182
	67 Butylbenzylphthalate	149	22.012	22.004	(0.958)	222148	4.54418	4.544
	68 Benzo(a)anthracene	228	22.941	22.934	(0.999)	483389	5.04614	5.046
*	69 Chrysene-d12	240	22.972	22.957	(1.000)	247277	4.00000	
	70 3,3'-Dichlorobenzidine	252	22.926	22.910	(0.998)	579265	16.5951	16.60
	71 Chrysene	228	23.019	23.003	(1.002)	395295	5.14000	5.140
	72 bis(2-Ethylhexyl)phthalate	149	23.073	23.057	(0.959)	287163	4.65507	4.655
*	134 Di-n-octylphthalate-d4	153	24.064	24.056	(1.000)	436362	4.00000	
	73 Di-n-octylphthalate	149	24.079	24.072	(1.001)	559943	4.93366	4.934
	74 Benzo(b)fluoranthene	252	24.791	24.784	(0.971)	510525	4.58941	4.589
	75 Benzo(k)fluoranthene	252	24.838	24.823	(0.973)	515578	4.60611	4.606
	76 Benzo(a)pyrene	252	25.403	25.388	(0.995)	479220	5.17823	5.178
*	77 Perylene-d12	264	25.519	25.496	(1.000)	293250	4.00000	
	78 Indeno(1,2,3-cd)pyrene	276	27.993	27.962	(1.097)	500681	6.53418	6.534
	79 Dibenzo(a,h)anthracene	278	28.016	27.985	(1.098)	398605	6.39277	6.393
	80 Benzo(g,h,i)perylene	276	28.731	28.692	(1.126)	411014	6.56044	6.560
	90 N-Nitrosodimethylamine	74	4.257	4.280	(0.491)	271355	10.7678	10.77
	91 Aniline	93	8.150	8.150	(0.939)	330483	9.71828	9.718
	93 Benzidine	184	20.572	20.564	(0.896)	519557	9.56957	9.570
	103 Pyridine	79	4.272	4.288	(0.492)	190995	5.12652	5.127
	105 1-methylnaphthalene	142	12.815	12.815	(1.148)	379648	5.54620	5.546
	111 Azobenzene (1,2-DP-Hydrazine)	77	16.203	16.203	(1.097)	386741	4.75933	4.759

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
187 Total Benzofluoranthenes	252	24.838	24.823	(0.973)	976138	9.01776	9.018
99 Perylene	252	25.566	25.551	(1.002)	417825	5.12132	5.121
98 Retene	219	19.141	19.133	(0.833)	74		
120 2,3,4,6-Tetrachlorophenol	232	15.515	15.508	(1.051)	109810	5.54245	5.542

Data File: \\target\share\chem3\nt10.i\20201006.b\NT1020100620.D Page 1
Report Date: 07-Oct-2020 17:32

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: NT1020100620.D
Lab Smp Id: SIJ0067-CCV1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: \\target\share\chem3\nt10.i\20201006.b\ABN.m
Misc Info:

Calibration Date: 06-OCT-2020
Calibration Time: 13:49
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	100395	50198	200790	95255	-5.12
27 Naphthalene-d8	355376	177688	710752	328399	-7.59
42 Acenaphthene-d10	187535	93768	375070	178566	-4.78
59 Phenanthrene-d10	364436	182218	728872	338388	-7.15
69 Chrysene-d12	279453	139727	558906	247277	-11.51
134 Di-n-octylphthala	514718	257359	1029436	436362	-15.22
77 Perylene-d12	299636	149818	599272	293250	-2.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.68	8.18	9.18	8.68	-0.09
27 Naphthalene-d8	11.16	10.66	11.66	11.16	-0.00
42 Acenaphthene-d10	14.77	14.27	15.27	14.77	-0.00
59 Phenanthrene-d10	17.81	17.31	18.31	17.82	0.04
69 Chrysene-d12	22.96	22.46	23.46	22.97	0.07
134 Di-n-octylphthala	24.06	23.56	24.56	24.06	0.03
77 Perylene-d12	25.50	25.00	26.00	25.52	0.09

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1020100620.D

Lab ID: SIJ0067-CCV1
nt10.i, ABN.m, 07-OCT-2020 00:10

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.833	0.000	0.8332	Retene

RRT check based on Ccal File: NT1020100604.D

On Column LOD for nt10.i, ABN.m, PSDDAICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Analytical Resources, Incorporated
Analytical Chemists and Consultants

CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory:	Analytical Resources, Inc.	SDG:	20I0181
Client:	Anchor QEA, LLC	Project:	Lower Duwamish AOC4
Instrument ID:	NT10	Calibration:	DI00063
Lab File ID:	NT1020100821.D	Calibration Date:	09/22/2020
Sequence:	SIJ0109	Injection Date:	10/08/20
Lab Sample ID:	SIJ0109-CCV1	Injection Time:	23:15
Sequence Name:	ABN 5		

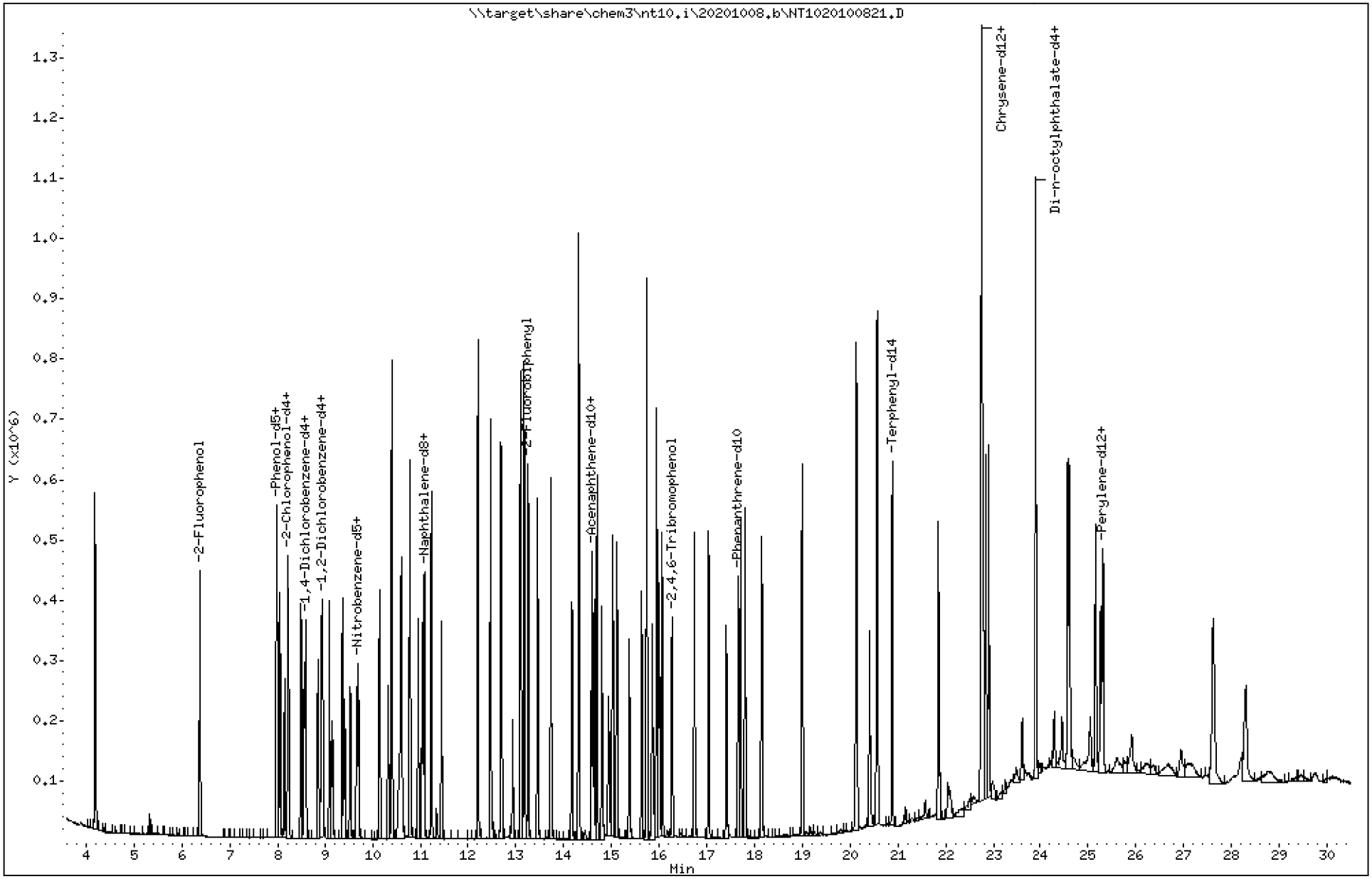
		CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	5.0000	5.0	2.0210150	2.0354540		0.7	+/-50
4-Methylphenol	A	5.0000	5.0	1.3702510	1.3832710		1.0	+/-50
Naphthalene	A	5.0000	5.2	1.0370380	1.0761260		3.8	+/-50
2-Methylnaphthalene	A	5.0000	5.5	0.8638465	0.9466153		9.6	+/-50
Acenaphthylene	A	5.0000	4.8	2.3549840	2.2478470		-4.5	+/-50
Dimethylphthalate	A	5.0000	5.1	1.5712320	1.5891530		1.1	+/-50
Acenaphthene	A	5.0000	5.0	1.3436690	1.3393770		-0.3	+/-50
Dibenzofuran	A	5.0000	5.1	1.9631150	1.9945610		1.6	+/-50
Fluorene	A	5.0000	4.7	1.6259940	1.5305950		-5.9	+/-50
Phenanthrene	A	5.0000	5.0	1.0548050	1.0626980		0.7	+/-50
Anthracene	A	5.0000	5.0	1.1338030	1.1346490		0.07	+/-50
Fluoranthene	A	5.0000	4.9	2.1679990	2.1095700		-2.7	+/-50
Pyrene	A	5.0000	5.0	2.2022770	2.2034910		0.06	+/-50
Butylbenzylphthalate	A	5.0000	5.1	0.7907942	0.8095688		2.4	+/-50
Benzo(a)anthracene	A	5.0000	5.1	1.5495780	1.5680920		1.2	+/-50
Chrysene	A	5.0000	5.0	1.2440400	1.2551570		0.9	+/-50
bis(2-Ethylhexyl)phthalate	A	5.0000	4.7	0.5654770	0.5352486		-5.3	+/-50
Benzofluoranthenes, Total	A	10.000	9.5	1.4750090	1.3973620		-5.4	+/-50
Benzo(a)pyrene	A	5.0000	4.8	1.2623370	1.2227410		-3.1	+/-50
Indeno(1,2,3-cd)pyrene	A	5.0000	4.7	1.0451830	0.9778941		-6.4	+/-50
Dibenzo(a,h)anthracene	A	5.0000	4.3	0.8505023	0.7285782		-14.3	+/-50
Benzo(g,h,i)perylene	A	5.0000	4.9	0.8571136	0.8456082		-1.0	+/-50
2-Fluorophenol	A	7.5000	7.60	1.4669840	1.4855880		1.3	+/-50
Phenol-d5	A	7.5000	7.58	2.0601030	2.0807290		1.0	+/-50
2-Chlorophenol-d4	A	7.5000	7.37	1.5133110	1.4860860		-1.8	+/-50
1,2-Dichlorobenzene-d4	A	5.0000	4.90	0.9811148	0.9610488		-2.0	+/-50
Nitrobenzene-d5	A	5.0000	4.96	0.4162577	0.4130134		-0.8	+/-50
2-Fluorobiphenyl	A	5.0000	4.95	1.7887750	1.7699220		-1.1	+/-50
2,4,6-Tribromophenol	A	7.5000	6.97	0.2802730	0.2605002		-7.1	+/-50
p-Terphenyl-d14	A	5.0000	4.48	1.4703140	1.3166900		-10.4	+/-50

* Values outside of QC limits

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.i\20201008.b\NT1020100821.D
Date : 08-OCT-2020 23:15
Client ID:
Sample Info: SIJ0109-CCV1

Column phase: ZB-5msi

Instrument: nt10.i

Operator: VTS
Column diameter: 0.25