Sequence Table for 11/18/2014

[redacted], 12/8/14

	Name	Vial	Method Path	Method File
	Air Blank	1	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	Solvent Blank	2	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	50 ppm DFTPP sol'n	3	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	CCV Standard (11/14)- DATA NOT REPORTED	4	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	Solvent Blank	2	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	IS Sol'n	5	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	CCV Standard	6	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	IS Sol'n	5	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	NE36691	7	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	NE36693	8	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	IS Sol'n	5	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	MCHC, 9 ppm	9	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	DRO, 5 ppm	10	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	B/N, 10 ppm	11	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	CCV Standard	12	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	IS Sol'n	13	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M
	Solvent Blank	14	D:\[redacted]GCMS\1\methods	RP1616_[redacted]M

[redacted] RP1616 12/17/14

Data Path	Data File	Type	Comment
D:\[redacted]RP1616\11182014_Run	11182014_001	Sample	Air
D:\[redacted]RP1616\11182014_Run	11182014_002	Sample	CH2Cl2
D:\[redacted]RP1616\11182014_Run	11182014_003	Sample	DFTPP Solution
D:\[redacted]RP1616\11182014_Run	11182014_004	Sample	System Prep Injection: DATA NOT REPORTED
D:\[redacted]RP1616\11182014_Run	11182014_005	Sample	CH2Cl2
D:\[redacted]RP1616\11182014_Run	11182014_006	Sample	Solvent Blank with internal standards [ ] = 20.0 ug/mL
D:\[redacted]RP1616\11182014_Run	11182014_007	Sample	[Analyte] ~ 2.00 ug/mL, [IS] = 20.0 ug/mL
D:\[redacted]RP1616\11182014_Run	11182014_008	Sample	Solvent Blank with internal standards [ ] = 20.0 ug/mL
D:\[redacted]RP1616\11182014_Run	11182014_009	Sample	Tag # NE36691, 100X
D:\[redacted]RP1616\11182014_Run	11182014_010	Sample	Tag # NE36693, 1X
D:\[redacted]RP1616\11182014_Run	11182014_011	Sample	Solvent Blank with internal standards [ ] = 20.0 ug/mL
D:\[redacted]RP1616\11182014_Run	11182014_012	Sample	4-methyl-1-cyclohexanecarboxylic acid in CH2Cl2
D:\[redacted]RP1616\11182014_Run	11182014_013	Sample	Diesel Range Organics solution
D:\[redacted]RP1616\11182014_Run	11182014_014	Sample	Base/Neutrals Solution
D:\[redacted]RP1616\11182014_Run	11182014_015	Sample	[Analyte] ~ 2.00 ug/mL, [IS] = 20.0 ug/mL
D:\[redacted]RP1616\11182014_Run	11182014_016	Sample	Solvent Blank with internal standards [ ] = 20.0 ug/mL
D:\[redacted]RP1616\11182014_Run	11182014_017	Sample	CH2Cl2

Evaluate Continuing Calibration Report

Data Path : D:[redacted]\RP1616\11182014_Run\
Data File : 11182014_007.D
Acq On : 18 Nov 2014 03:09 pm
Operator : [redacted]
Sample : CCV Standard
Misc : [Analyte] ~ 2.00 ug/mL, [IS] = 20.0 ug/mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 09:16:02 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2		MCHM	1.793	1.478	17.6	78	0.00
3	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
4		PPH	0.421	0.367	12.8	85	0.00
5	I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00
6		1,4-CHDM	0.198	0.152	23.2	82	-0.02
7	S	2-Fluorobiphenyl	1.229	1.237	-0.7	96	0.00
8		DM-1,4-CHDC	0.597	0.610	-2.2	97	-0.01
9		di-PPH	0.531	0.438	17.5	96	0.00
10	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
11	I	Chrysene-d12	1.000	1.000	0.0	98	0.00
12	I	Perylene-d12	1.000	1.000	0.0	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

GC/MS QA-QC Check Report

Tune File : D:\[redacted]\RP1616\11182014_Run\11182014_003.D
Tune Time : 18 Nov 2014 01:12 pm

Daily Calibration File : D:\[redacted]\RP1616\11102014_Run\11102014_009.D

File	Sample	Surrogate Recovery %	Internal Standard Responses				
			362805	1595220	856846		
			1319250	653557	395248		
11182014_006.D							
	IS Sol'n	0*	334469	1479500	815436		
			1262997	636738	360850		
11182014_007.D							
	CCV Standa	16*	336772	1503187	842914		
			1285702	640142	357106		
11182014_008.D							
	IS Sol'n	0*	335687	1479402	820586		
			1279618	694504	392905		
11182014_009.D							
	NE36691	1*	333214	1486775	866729		
			1320280	690637	370644		
11182014_010.D							
	NE36693	67	363126	1606949	945819		
			1453673	772875	449754		
11182014_011.D							
	IS Sol'n	0*	376810	1708581	899070		
			1480363	756133	457122		
11182014_012.D							
	MCHC, 9 pp	0*	363137	1592419	878030		
			1366714	714562	418538		
11182014_013.D							
	DRO, 5 ppm	0*	374341	1670817	905490		
			1417930	773413	473094		
11182014_014.D							
	B/N, 10 pp	0*	380989	1702568	942421		
			1502937	930067	564560		
11182014_015.D							
	CCV Standa	16*	385843	1719365	916412		
			1480327	783873	446935		
11182014_016.D							
	IS Sol'n	0*	379355	1676002	902737		
			1471274	713223	390816		

(fails) - fails 15hr time check * - fails criteria

Created: Thu Dec 04 08:45:37 2014 EnvQnt

[redacted] RP1616 12/17/14

Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_001.D
Acq On : 18 Nov 2014 12:14 pm
Operator : [redacted]
Sample : Air Blank
Misc : Air
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 09:10:55 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

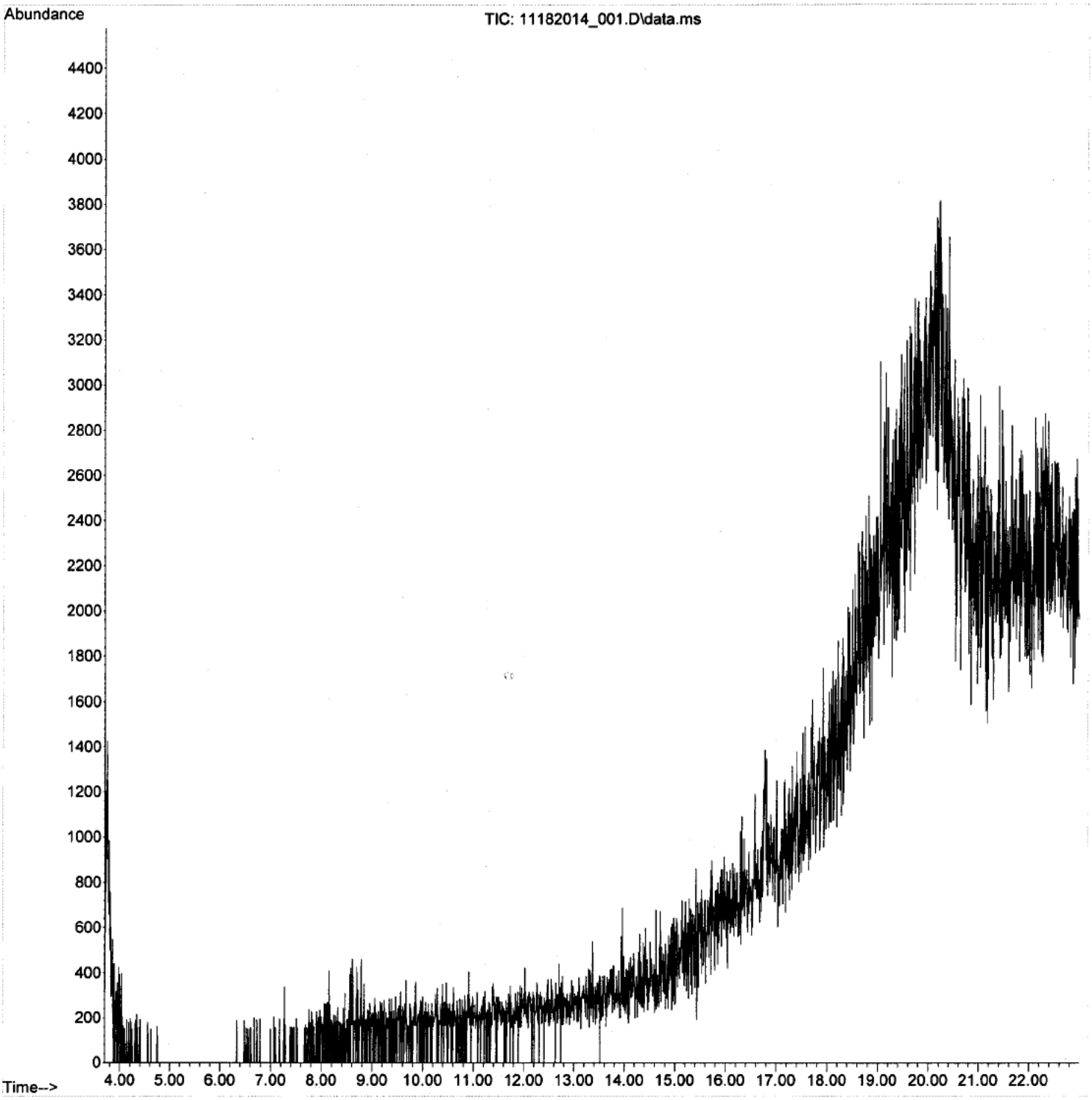
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.00	ug/mL	-5.08
3) Naphthalene-d8	0.000	136	0	0.00	ug/mL	-6.46
5) Acenaphthene-d10	0.000	164	0	0.00	ug/mL	-8.21
10) Phenanthrene-d10	0.000	188	0	0.00	ug/mL	-9.67
11) Chrysene-d12	0.000	240	0m	20.00	ug/mL	-13.96
12) Perylene-d12	0.000	264	0m	20.00	ug/mL	-16.79
System Monitoring Compounds						
7) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/mL	
Spiked Amount 12.500	Range 25 - 150		Recovery = 0.00%#			
Target Compounds						Qvalue
2) MCHM	0.000		0	N.D.		
4) PPH	0.000		0	N.D.		
6) 1,4-CHDM	0.000		0	N.D.		
8) DM-1,4-CHDC	0.000		0	N.D.		
9) di-PPH	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_001.D
Acq On : 18 Nov 2014 12:14 pm
Operator : [redacted]
Sample : Air Blank
Misc : Air
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 09:10:55 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_002.D
Acq On : 18 Nov 2014 12:43 pm
Operator : [redacted]
Sample : Solvent Blank
Misc : CH2Cl2
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 09:12:07 2014
Quant Method : D:\[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

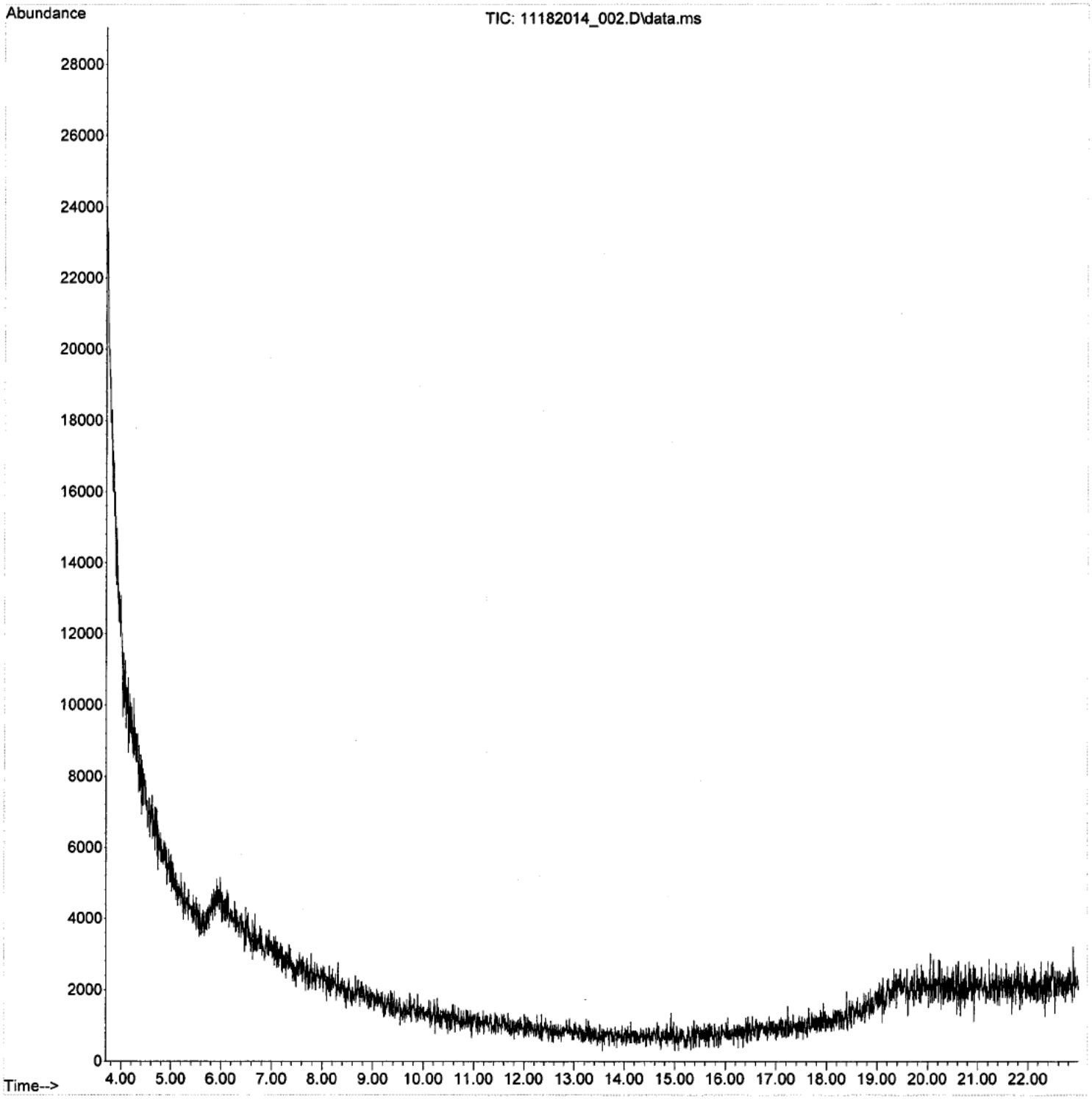
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.00 ug/mL	-5.08
3) Naphthalene-d8	0.000	136	0	0.00 ug/mL	-6.46
5) Acenaphthene-d10	0.000	164	0	0.00 ug/mL	-8.21
10) Phenanthrene-d10	0.000	188	0	0.00 ug/mL	-9.67
11) Chrysene-d12	0.000	240	0	0.00 ug/mL	-13.96
12) Perylene-d12	0.000	264	0	0.00 ug/mL	-16.79
System Monitoring Compounds					
7) 2-Fluorobiphenyl	0.000	172	0	0.00 ug/mL	
Spiked Amount 12.500	Range 25 - 150		Recovery =	0.00%#	
Target Compounds					Qvalue
2) MCHM	0.000		0	N.D.	
4) PPH	0.000		0	N.D.	
6) 1,4-CHDM	0.000		0	N.D.	
8) DM-1,4-CHDC	0.000		0	N.D.	
9) di-PPH	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_002.D
Acq On : 18 Nov 2014 12:43 pm
Operator : [redacted]
Sample : Solvent Blank
Misc : CH2Cl2
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 09:12:07 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_003.D
Acq On : 18 Nov 2014 01:12 pm
Operator : [redacted]
Sample : 50 ppm DFTPP sol'n
Misc : DFTPP Solution
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 19 09:12:39 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

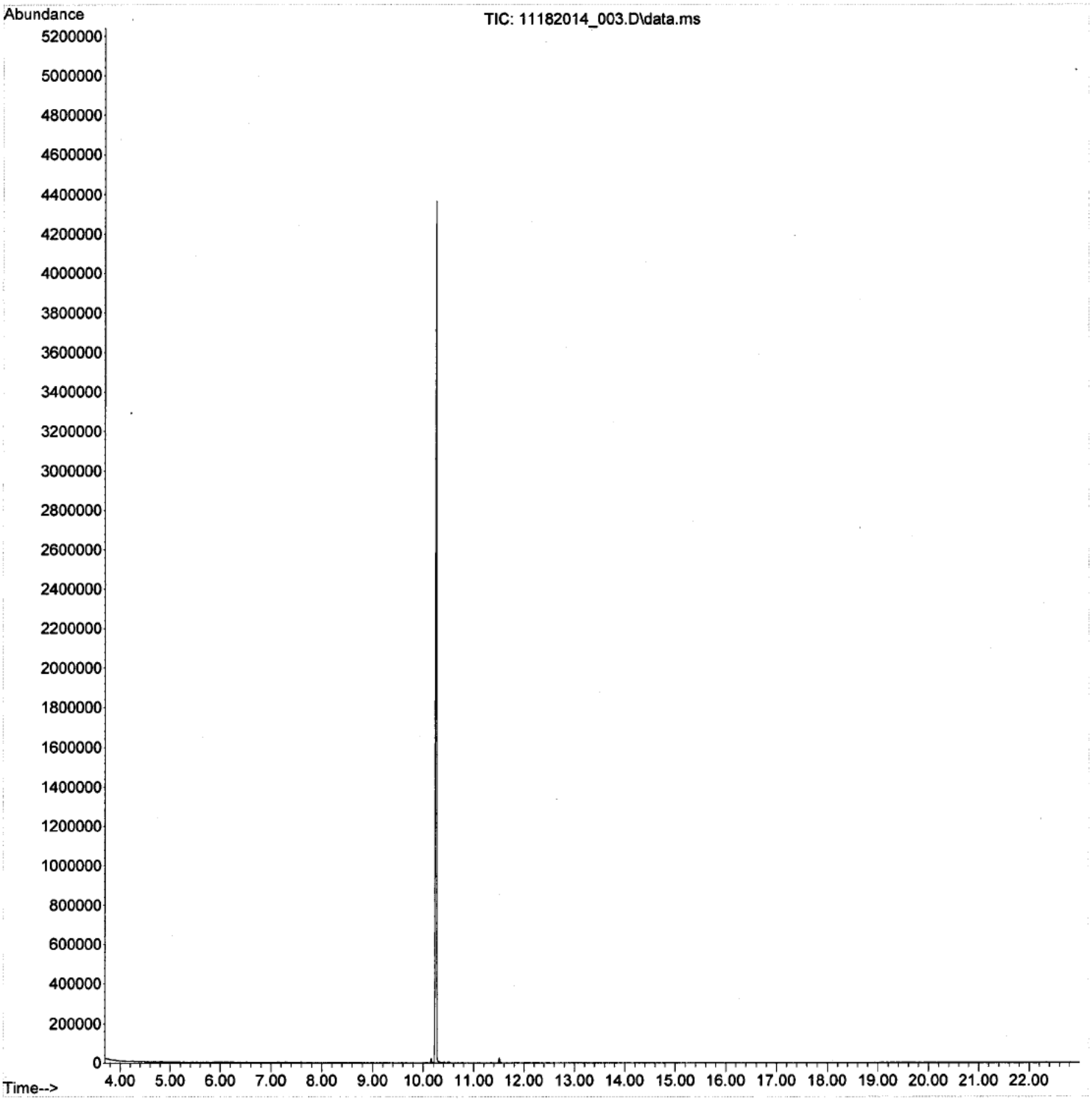
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.00 ug/mL	-5.08
3) Naphthalene-d8	0.000	136	0m	20.00 ug/mL	-6.46
5) Acenaphthene-d10	0.000	164	0m	20.00 ug/mL	-8.21
10) Phenanthrene-d10	0.000	188	0	0.00 ug/mL	-9.67
11) Chrysene-d12	0.000	240	0	0.00 ug/mL	-13.96
12) Perylene-d12	0.000	264	0	0.00 ug/mL	-16.79
System Monitoring Compounds					
7) 2-Fluorobiphenyl	0.000	172	0	0.00 ug/mL	
Spiked Amount 12.500	Range 25 - 150		Recovery =	0.00%#	
Target Compounds					Qvalue
2) MCHM	0.000		0	N.D.	
4) PPH	0.000		0	N.D.	
6) 1,4-CHDM	0.000		0	N.D.	
8) DM-1,4-CHDC	0.000		0	N.D.	
9) di-PPH	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]RP1616\11182014_Run\
Data File : 11182014_003.D
Acq On : 18 Nov 2014 01:12 pm
Operator : DBH
Sample : 50 ppm DFTPP sol'n
Misc : DFTPP Solution
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 19 09:12:39 2014
Quant Method : D:\[redacted]\GCMS\1\methods\RP1616_DBH-b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

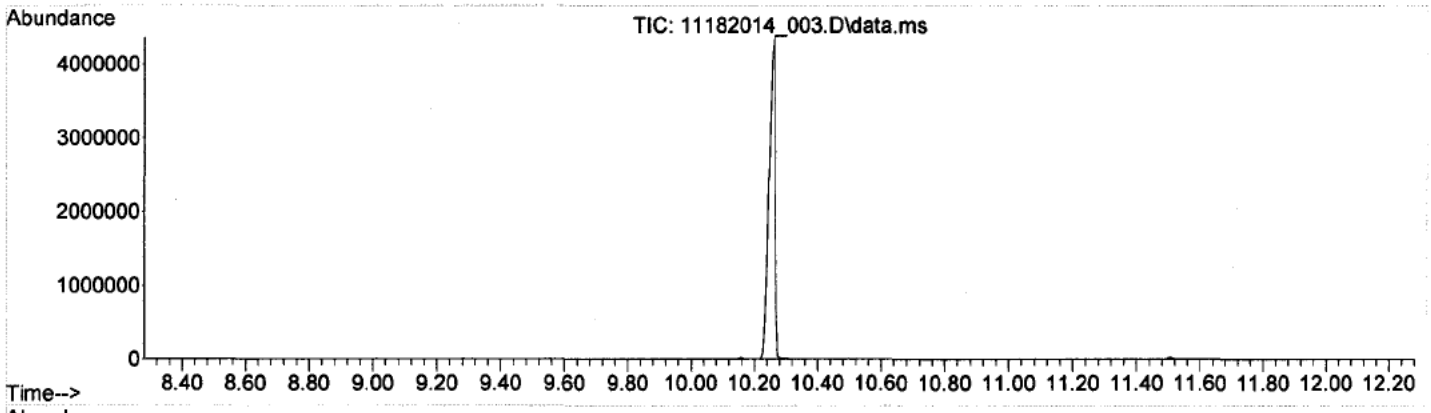


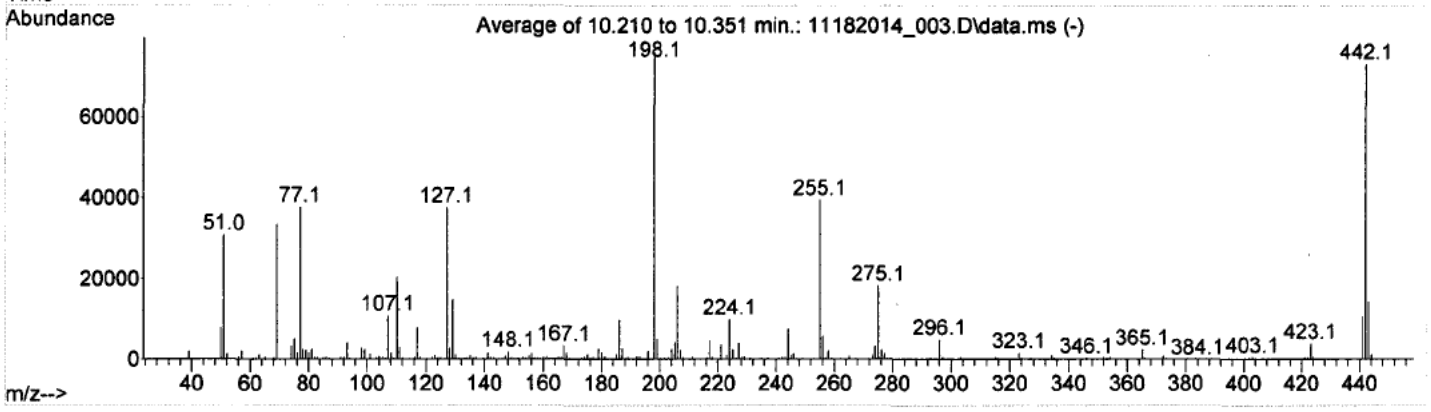
DFTPP

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_003.D
Acq On : 18 Nov 2014 01:12 pm
Operator : [redacted]
Sample : 50 ppm DFTPP sol'n
Misc : DFTPP Solution
ALS Vial : 3 Sample Multiplier: 1

Integration File: RP1616.P

Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Title : RP1616-MCHM Compounds
Last Update : Wed Nov 12 16:18:43 2014





AutoFind: Averaged scan 1109 to 1133; Bkg corrected with scan 1108

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.7	30922	PASS
68	69	0.00	2	1.7	565	PASS
69	198	0.00	100	44.3	33672	PASS
70	69	0.00	2	0.5	164	PASS
127	198	30	60	49.5	37643	PASS
197	198	0.00	1	0.2	157	PASS
198	198	100	100	100.0	76016	PASS
199	198	5	9	6.7	5093	PASS
275	198	10	30	24.1	18291	PASS
365	198	1	100	3.1	2359	PASS
441	443	0.01	100	74.2	10640	PASS
442	198	39	100	96.4	73253	PASS
443	442	17	23	19.6	14331	PASS

Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_004.D
Acq On : 18 Nov 2014 01:41 pm
Operator : [redacted]
Sample : CCV Standard (11/14)- DATA NOT REPORTED
Misc : System Prep Injection: DATA NOT REPORTED
ALS Vial : 4 Sample Multiplier: 1

Solution analyzed was prepared and analyzed on 11/14/14 [redacted]

Quant Time: Nov 19 09:13:44 2014
Quant Method : D:\[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

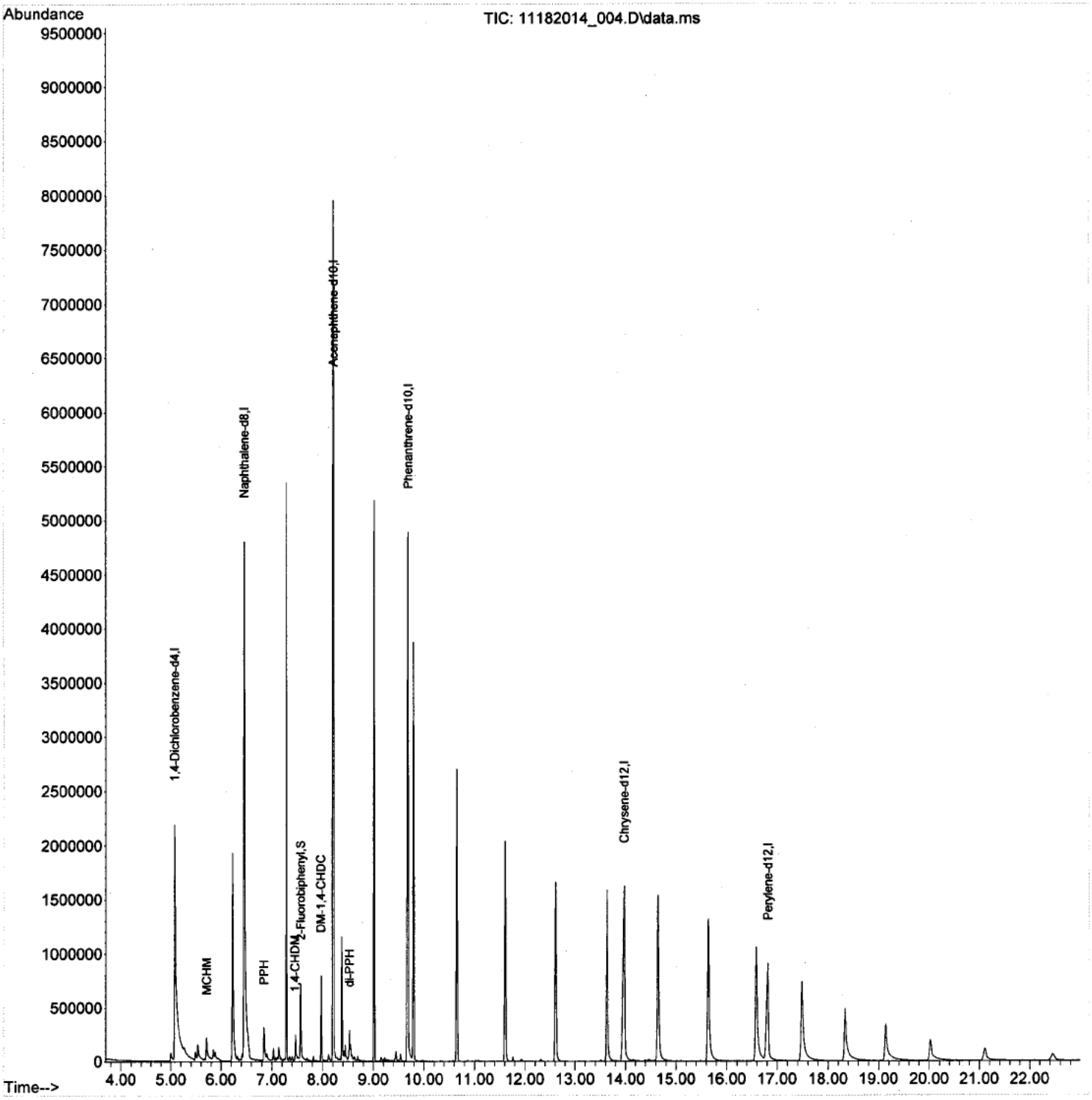
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	5.075	152	777676	20.00 ug/mL	0.00
3) Naphthalene-d8	6.463	136	3346996	20.00 ug/mL	0.00
5) Acenaphthene-d10	8.222	164	1508100	20.00 ug/mL	0.01
10) Phenanthrene-d10	9.692	188	2786248	20.00 ug/mL	0.02
11) Chrysene-d12	13.980	240	1460489	20.00 ug/mL	0.02
12) Perylene-d12	16.821	264	812995	20.00 ug/mL	0.03
System Monitoring Compounds					
7) 2-Fluorobiphenyl	7.575	172	248371	2.68 ug/mL	0.00
Spiked Amount 12.500	Range 25 - 150		Recovery =	21.44%#	
Target Compounds					Qvalue
2) MCHM	5.716	55	192417m	2.61 ug/mL	
4) PPH	6.845	94	167159	2.19 ug/mL	98
6) 1,4-CHDM	7.463	67	45163m	2.57 ug/mL	
8) DM-1,4-CHDC	7.975	81	128001	2.63 ug/mL	97
9) di-PPH	8.534	59	141470m	2.85 ug/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_004.D
Acq On : 18 Nov 2014 01:41 pm
Operator : [redacted]
Sample : CCV Standard (11/14)- DATA NOT REPORTED
Misc : System Prep Injection: DATA NOT REPORTED
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 09:13:44 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_005.D
Acq On : 18 Nov 2014 02:10 pm
Operator : [redacted]
Sample : Solvent Blank
Misc : CH2Cl2
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 09:14:47 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

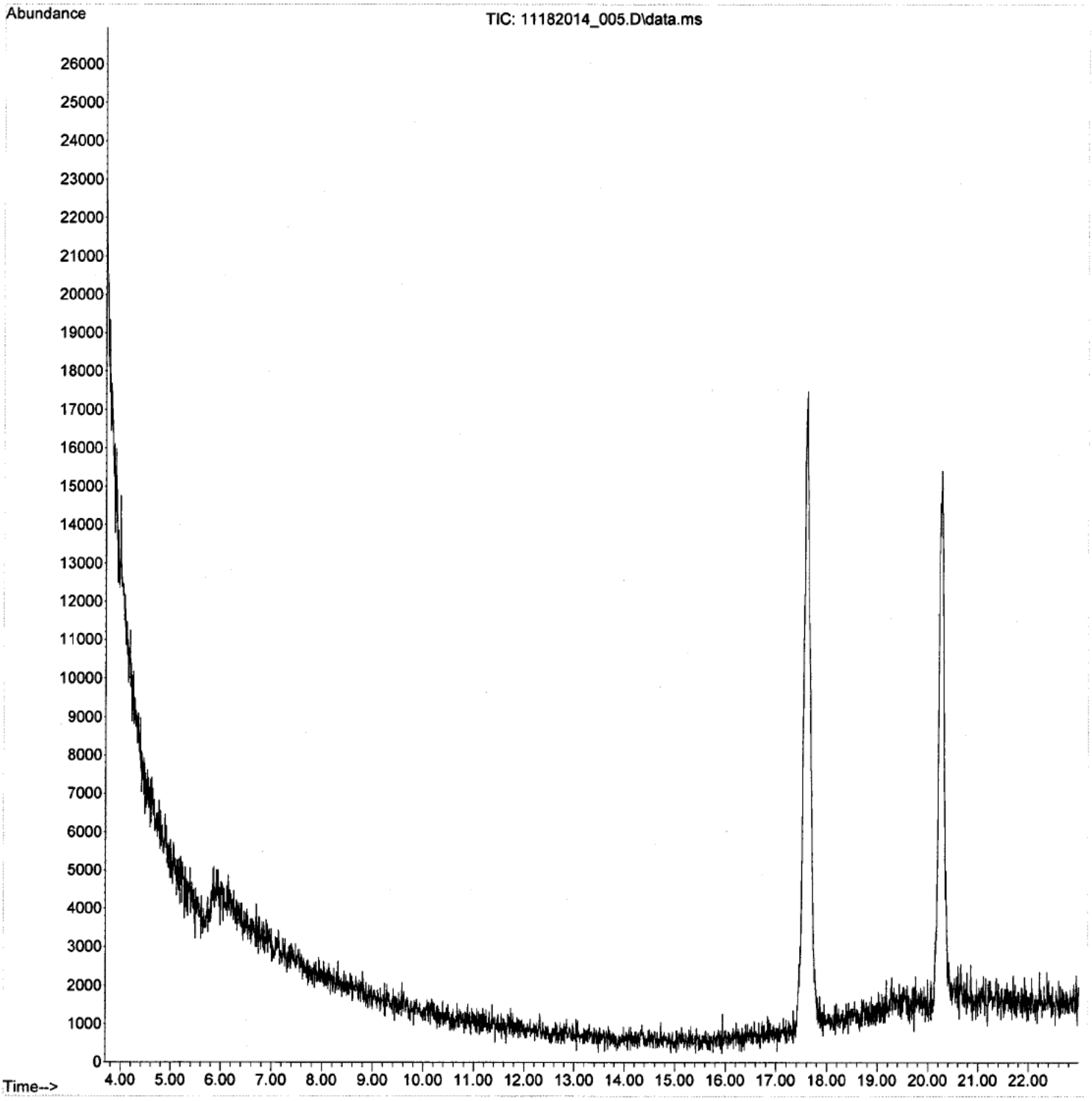
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.00	ug/mL	-5.08
3) Naphthalene-d8	0.000	136	0	0.00	ug/mL	-6.46
5) Acenaphthene-d10	0.000	164	0	0.00	ug/mL	-8.21
10) Phenanthrene-d10	0.000	188	0	0.00	ug/mL	-9.67
11) Chrysene-d12	0.000	240	0	0.00	ug/mL	-13.96
12) Perylene-d12	0.000	264	0	0.00	ug/mL	-16.79
System Monitoring Compounds						
7) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/mL	
Spiked Amount 12.500	Range 25 - 150		Recovery = 0.00%#			
Target Compounds						Qvalue
2) MCHM	0.000		0	N.D.		
4) PPH	0.000		0	N.D.		
6) 1,4-CHDM	0.000		0	N.D.		
8) DM-1,4-CHDC	0.000		0	N.D.		
9) di-PPH	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_005.D
Acq On : 18 Nov 2014 02:10 pm
Operator : [redacted]
Sample : Solvent Blank
Misc : CH2Cl2
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 09:14:47 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_006.D
Acq On : 18 Nov 2014 02:39 pm
Operator : [redacted]
Sample : IS Sol'n
Misc : Solvent Blank with internal standards [ ] = 20.0 ug/mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 09:15:20 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

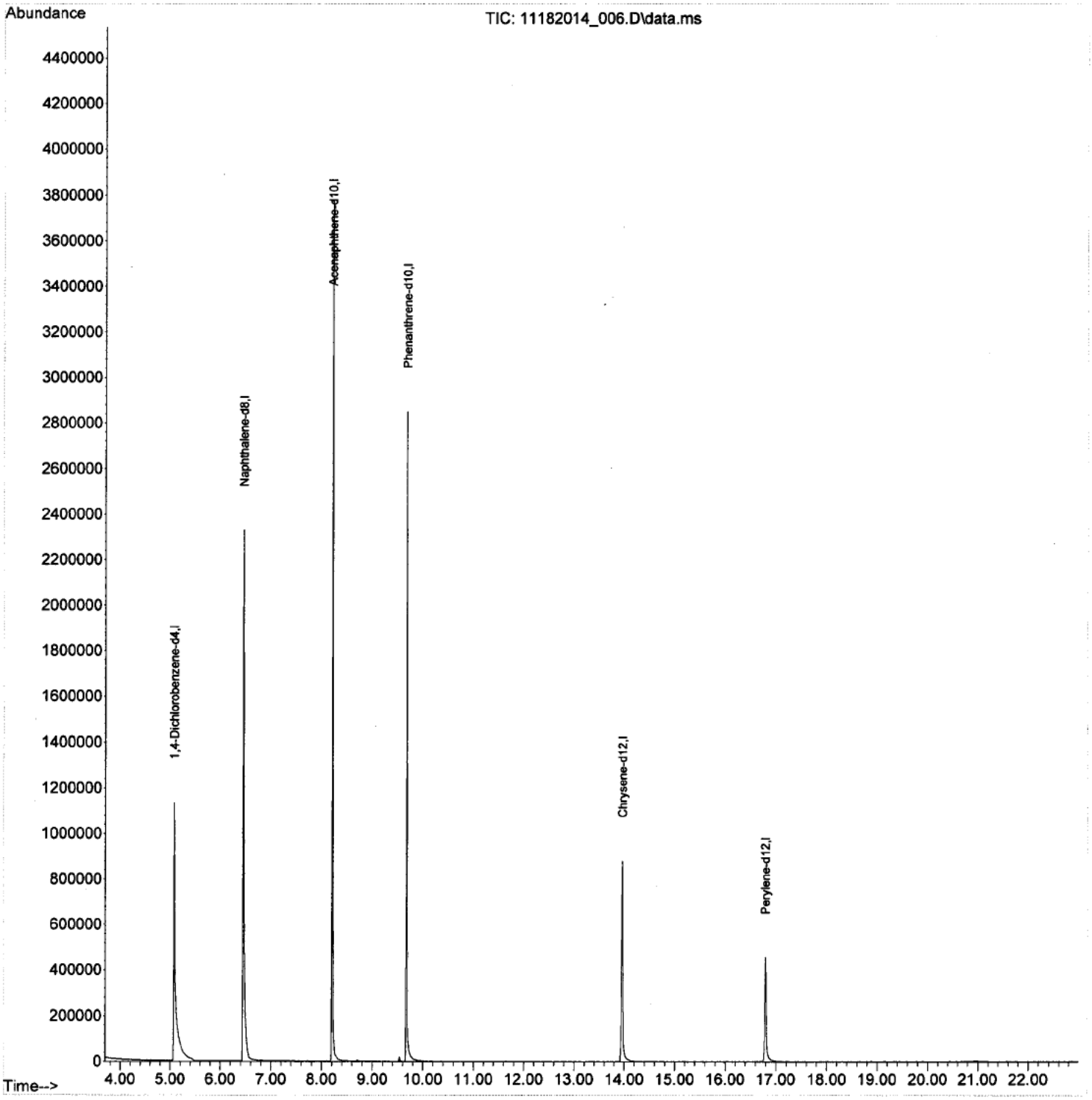
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.075	152	334469	20.00	ug/mL	0.00
3) Naphthalene-d8	6.457	136	1479500	20.00	ug/mL	0.00
5) Acenaphthene-d10	8.210	164	815436	20.00	ug/mL	0.00
10) Phenanthrene-d10	9.681	188	1262997	20.00	ug/mL	0.00
11) Chrysene-d12	13.963	240	636738	20.00	ug/mL	0.00
12) Perylene-d12	16.798	264	360850	20.00	ug/mL	0.00
System Monitoring Compounds						
7) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/mL	
Spiked Amount 12.500	Range 25 - 150		Recovery = 0.00%#			
Target Compounds						Qvalue
2) MCHM	0.000		0	N.D.		
4) PPH	0.000		0	N.D.		
6) 1,4-CHDM	0.000		0	N.D.		
8) DM-1,4-CHDC	0.000		0	N.D.		
9) di-PPH	0.000		0	N.D. d		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_006.D
Acq On : 18 Nov 2014 02:39 pm
Operator : [redacted]
Sample : IS Sol'n
Misc : Solvent Blank with internal standards [ ] = 20.0 ug/mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 09:15:20 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_007.D
Acq On : 18 Nov 2014 03:09 pm
Operator : [redacted]
Sample : CCV Standard
Misc : [Analyte] ~ 2.00 ug/mL, [IS] = 20.0 ug/mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 09:16:02 2014
Quant Method : D:\[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	5.075	152	336772	20.00 ug/mL	0.00
3) Naphthalene-d8	6.457	136	1503187	20.00 ug/mL	0.00
5) Acenaphthene-d10	8.210	164	842914	20.00 ug/mL	0.00
10) Phenanthrene-d10	9.681	188	1285702	20.00 ug/mL	0.00
11) Chrysene-d12	13.963	240	640142	20.00 ug/mL	0.00
12) Perylene-d12	16.798	264	357106	20.00 ug/mL	0.00
System Monitoring Compounds					
7) 2-Fluorobiphenyl	7.575	172	103240m	1.99 ug/mL	0.00
Spiked Amount 12.500	Range 25 - 150		Recovery =	~~15.92%#~~	
Target Compounds					Qvalue
2) MCHM	5.710	55	50518m	1.66 ug/mL	
4) PPH	6.851	94	54611m	1.69 ug/mL	
6) 1,4-CHDM	7.463	67	12910m	1.55 ug/mL	
8) DM-1,4-CHDC	7.969	81	51897m	1.92 ug/mL	
9) di-PPH	8.534	59	36751m	1.61 ug/mL	

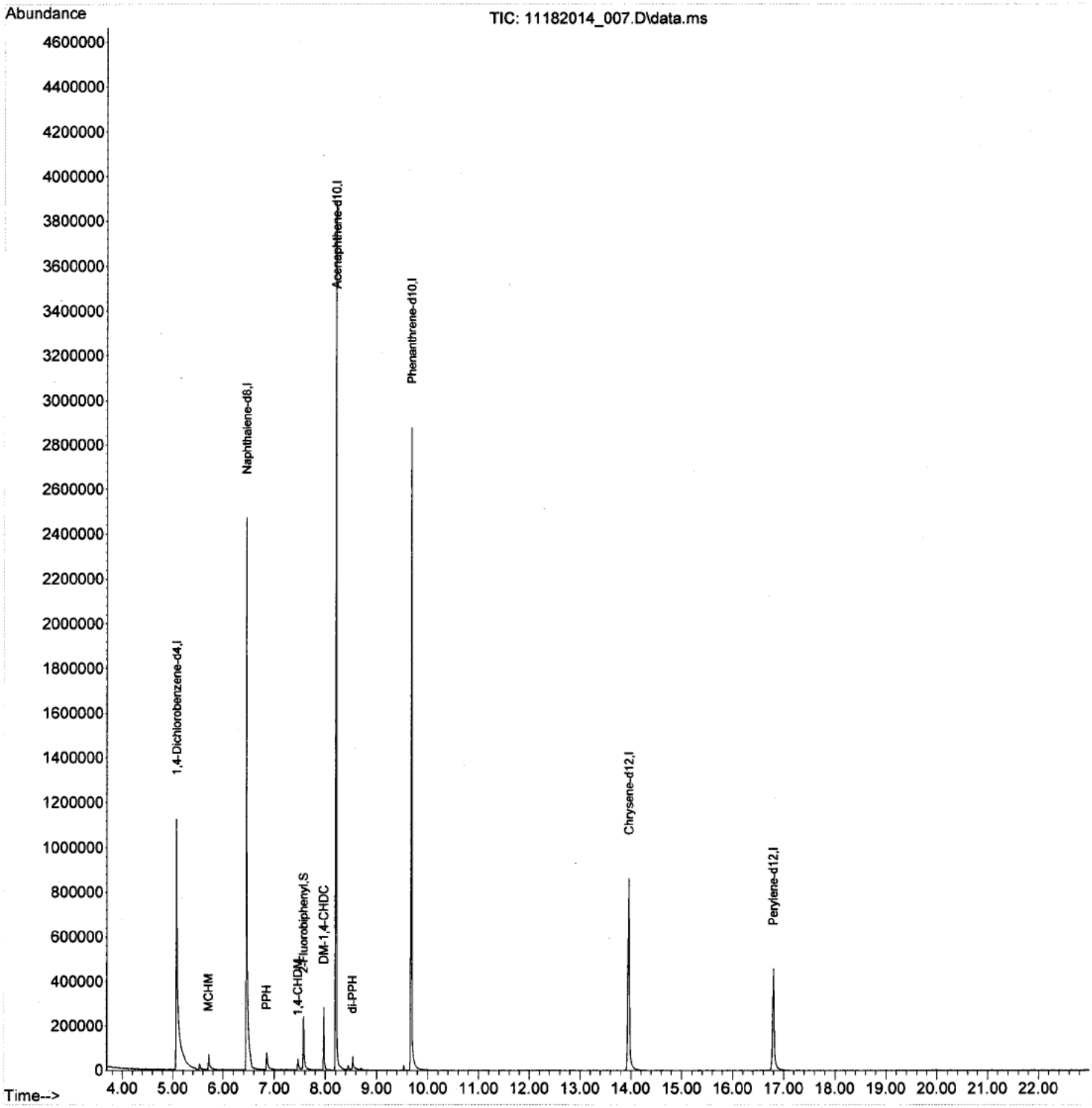
See Analyst Narrative, Surrogate Recovery [redacted] 1/7/15

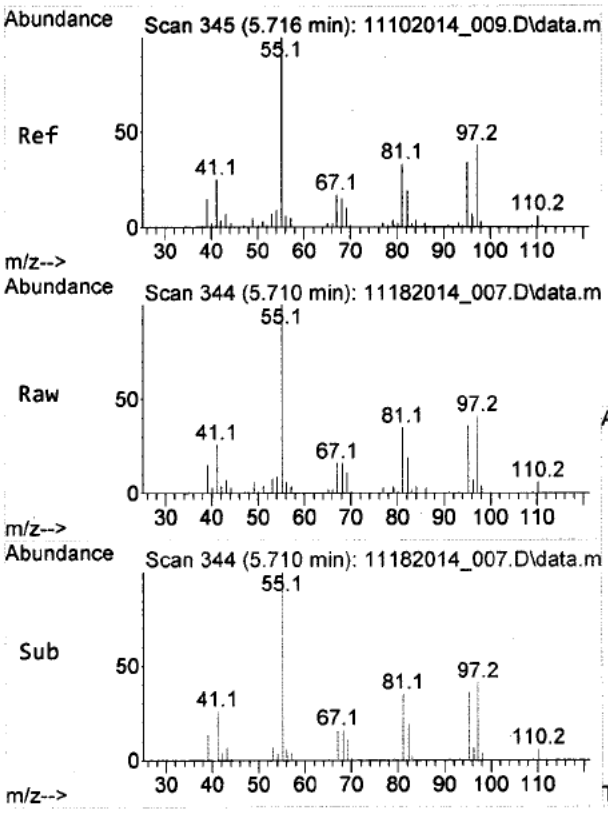
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_007.D
Acq On : 18 Nov 2014 03:09 pm
Operator : [redacted]
Sample : CCV Standard
Misc : [Analyte] ~ 2.00 ug/mL, [IS] = 20.0 ug/mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 09:16:02 2014
Quant Method : D:\[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

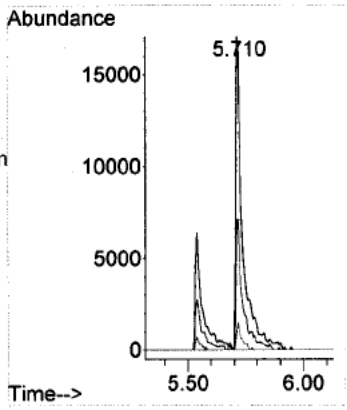


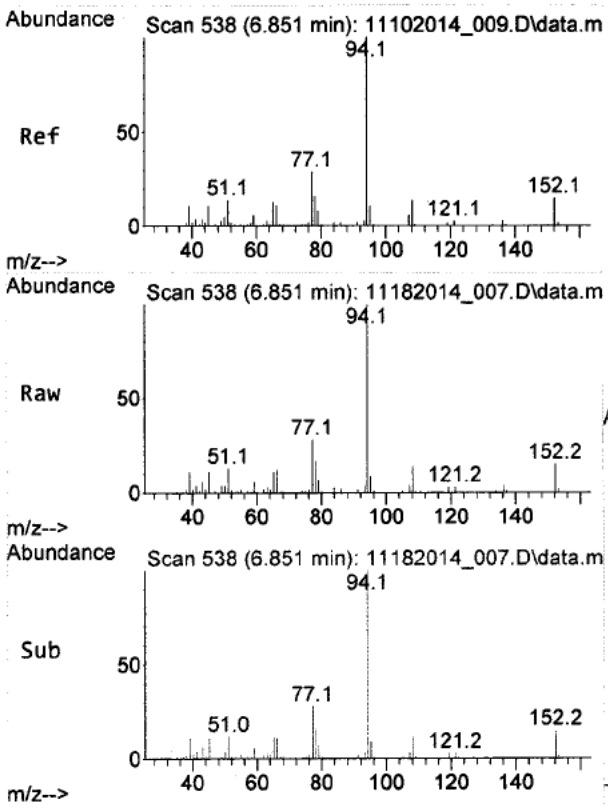


#2
MCHM
Concen: 1.66 ug/mL m
RT: 5.710 min Scan# 344
Delta R.T. -0.006 min
Lab File: 11182014_007.D
Acq: 18 Nov 2014 03:09 pm

Tgt Ion: 55 Resp: 50518

Ion	Ratio	Lower	Upper
55	100		
97	27.8	34.6	51.8#
110	4.4	4.8	7.2#

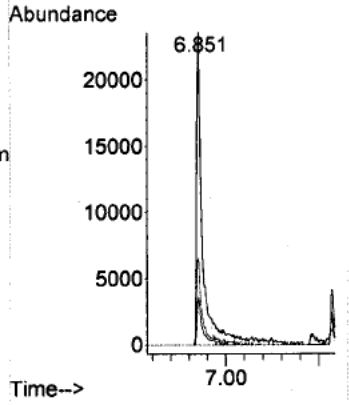


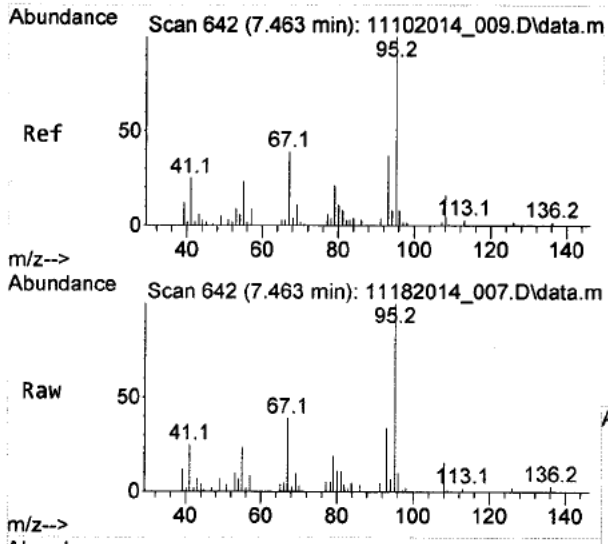


#4
PPH
Concen: 1.69 ug/mL m
RT: 6.851 min Scan# 538
Delta R.T. -0.006 min
Lab File: 11182014_007.D
Acq: 18 Nov 2014 03:09 pm

Tgt Ion: 94 Resp: 54611

Ion	Ratio	Lower	Upper
94	100		
152	11.9	13.4	20.0#
77	21.6	21.2	31.8

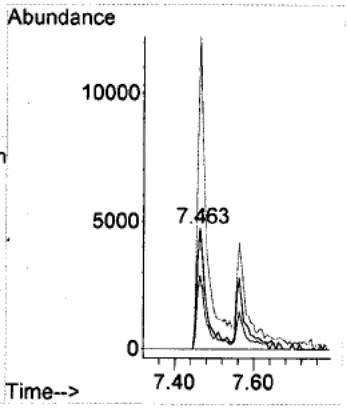


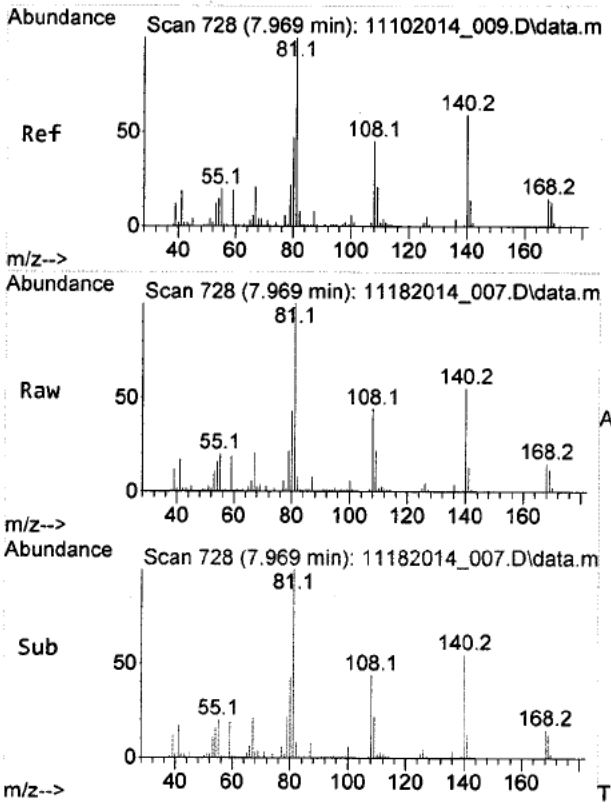


#6
1,4-CHDM
Concen: 1.55 ug/mL m
RT: 7.463 min Scan# 642
Delta R.T. -0.024 min
Lab File: 11182014_007.D
Acq: 18 Nov 2014 03:09 pm

Tgt Ion: 67 Resp: 12910

Ion	Ratio	Lower	Upper
67	100		
55	39.0	47.8	71.6#
95	148.0	204.6	307.0#

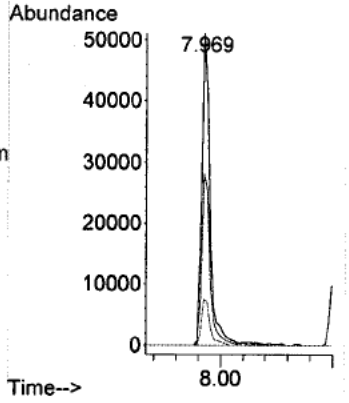


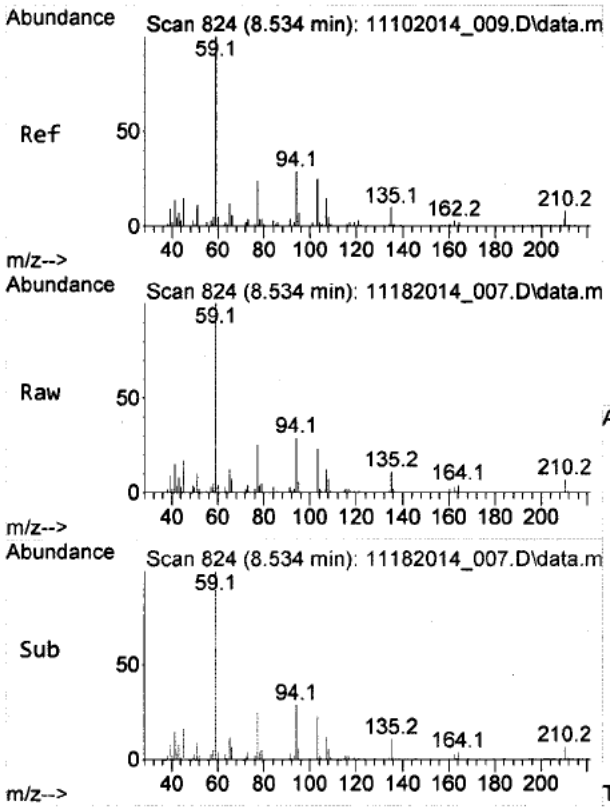


#8
DM-1,4-CHDC
Concen: 1.92 ug/mL m
RT: 7.969 min Scan# 728
Delta R.T. -0.012 min
Lab File: 11182014_007.D
Acq: 18 Nov 2014 03:09 pm

Tgt Ion: 81 Resp: 51897

Ion	Ratio	Lower	Upper
81	100		
140	55.8	49.4	74.2
168	15.3	14.2	21.2

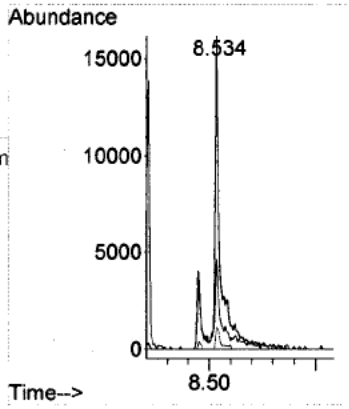




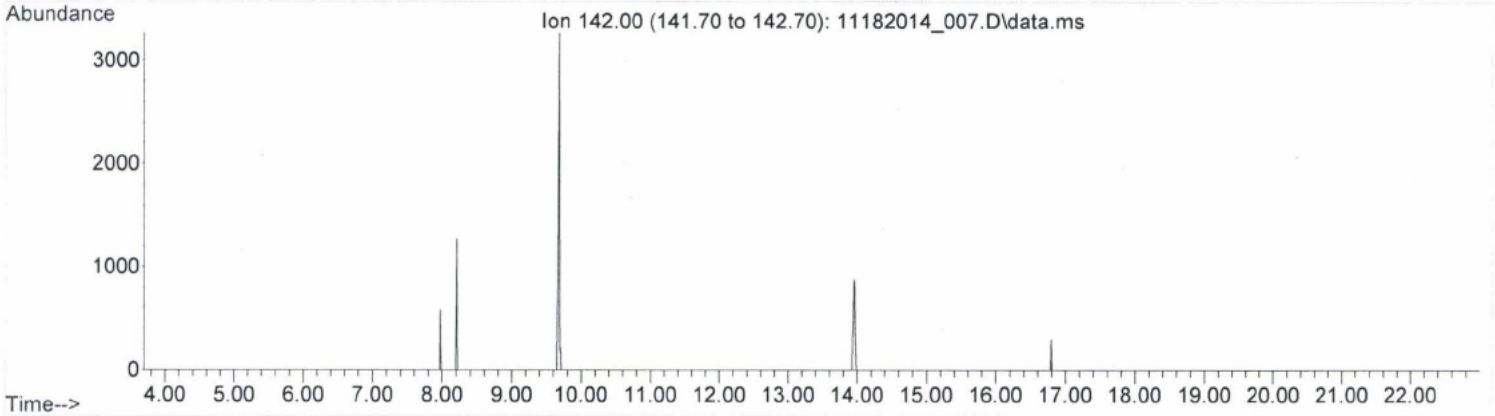
#9
di-PPH
Concen: 1.61 ug/mL m
RT: 8.534 min Scan# 824
Delta R.T. -0.006 min
Lab File: 11182014_007.D
Acq: 18 Nov 2014 03:09 pm

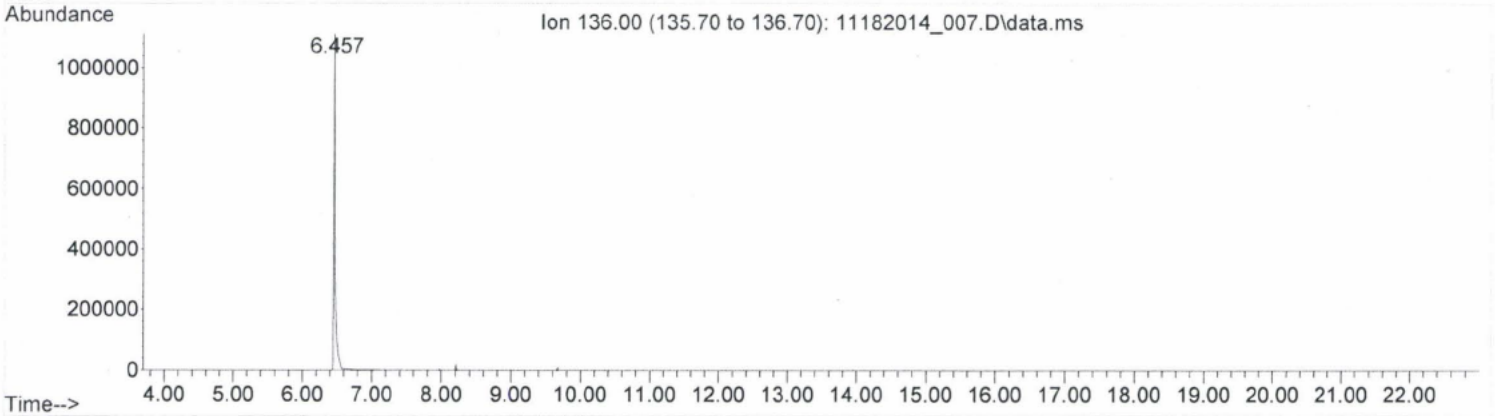
Tgt Ion: 59 Resp: 36751

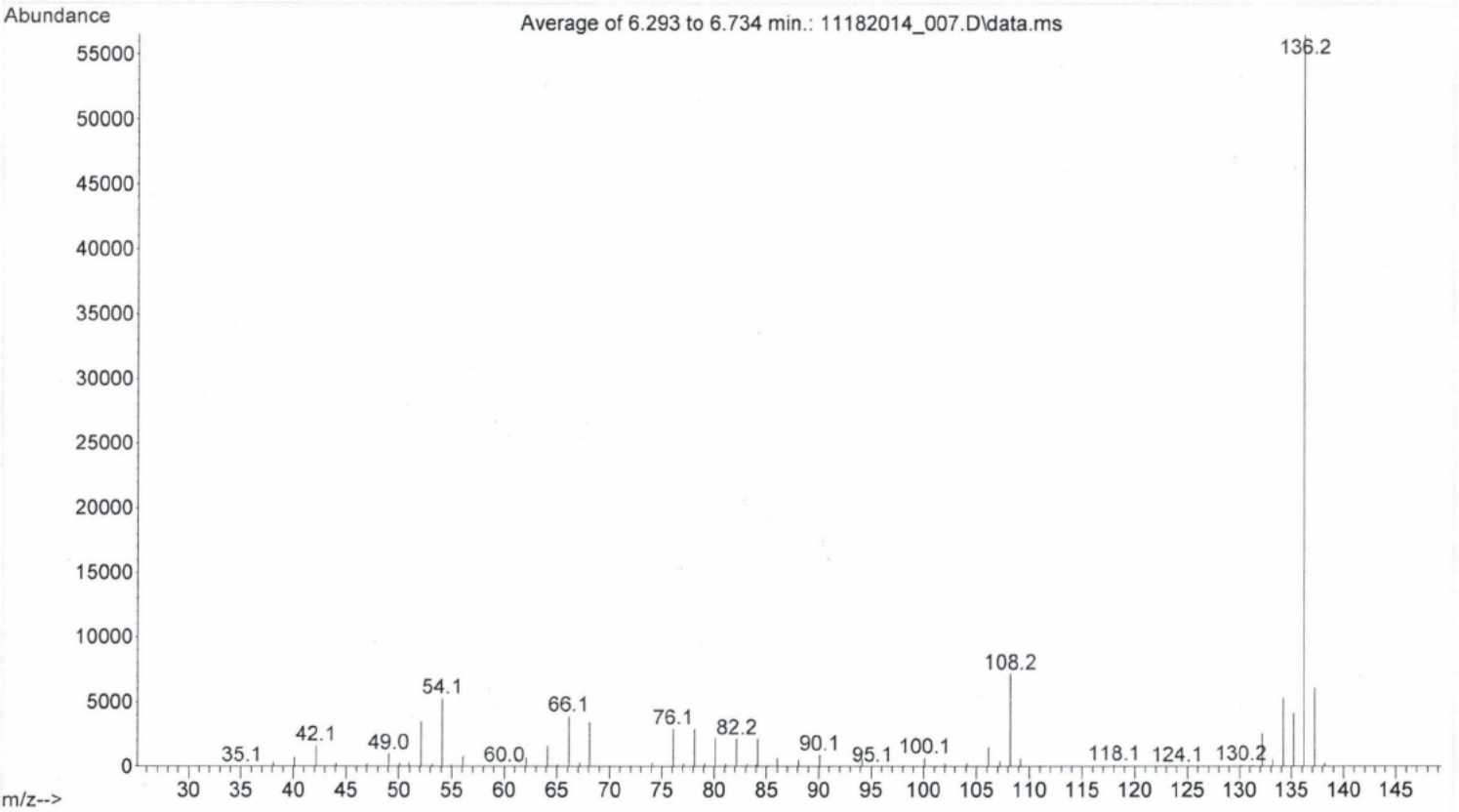
Ion	Ratio	Lower	Upper
59	100		
94	16.8	23.0	34.6#
210	5.7	6.1	9.1#



File :D:[redacted]t\RP1616\11182014_Run\11182014_007.D
Operator : [redacted]
Acquired : 18 Nov 2014 03:09 pm using AcqMethod RP1616_[redacted]M
Instrument : EnvQnt
Sample Name: CCV Standard
Misc Info : [Analyte] ~ 2.00 ug/mL, [IS] = 20.0 ug/mL
Vial Number: 6







[redacted] RP1616 12/17/14

Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_008.D
Acq On : 18 Nov 2014 03:38 pm
Operator : [redacted]
Sample : IS Sol'n
Misc : Solvent Blank with internal standards [ ] = 20.0 ug/mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 09:17:31 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

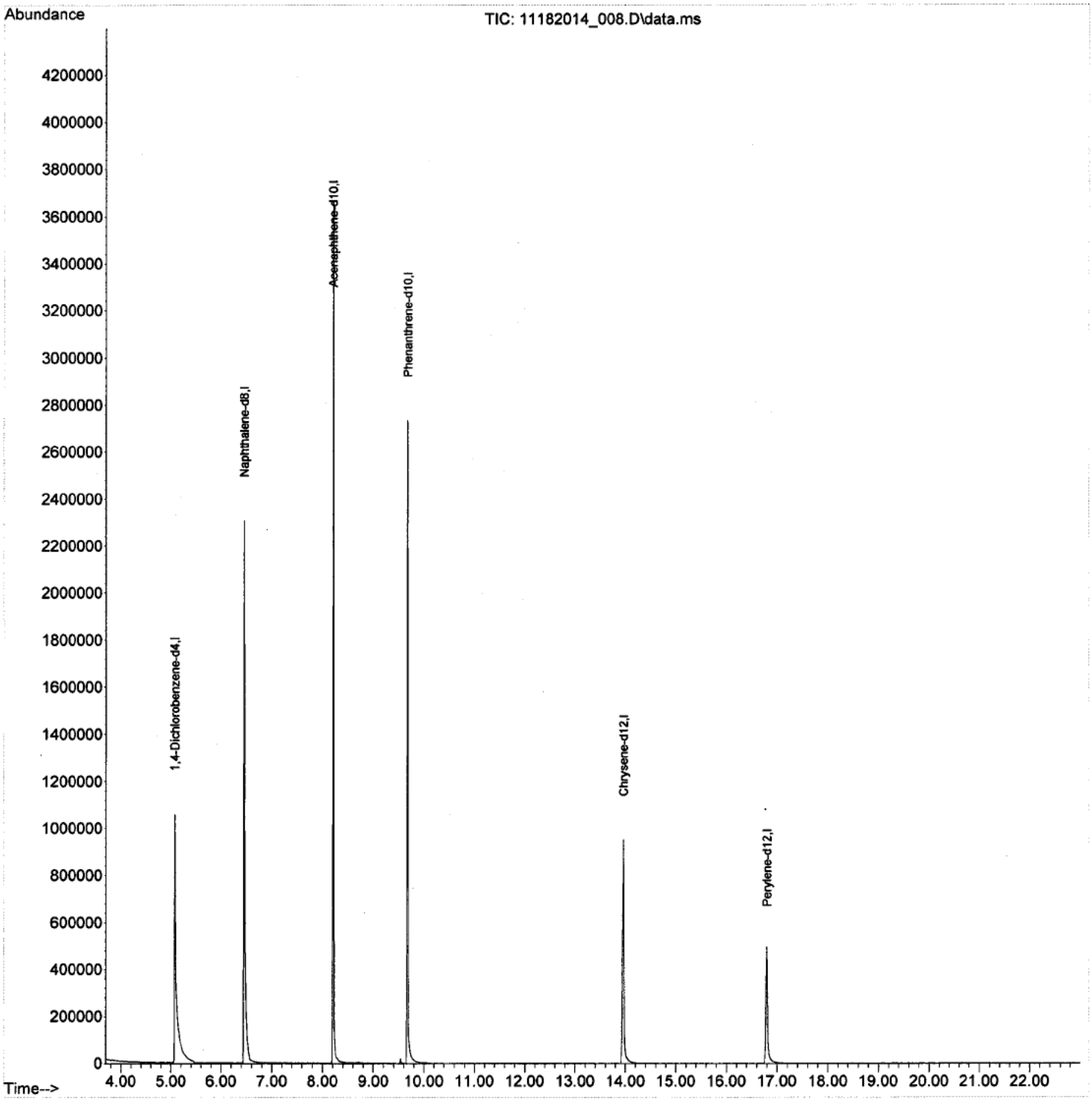
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.075	152	335687	20.00	ug/mL	0.00
3) Naphthalene-d8	6.457	136	1479402	20.00	ug/mL	0.00
5) Acenaphthene-d10	8.210	164	820586	20.00	ug/mL	0.00
10) Phenanthrene-d10	9.681	188	1279618	20.00	ug/mL	0.00
11) Chrysene-d12	13.963	240	694504	20.00	ug/mL	# 0.00
12) Perylene-d12	16.804	264	392905	20.00	ug/mL	0.01
System Monitoring Compounds						
7) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/mL	
Spiked Amount 12.500	Range 25 - 150		Recovery = 0.00%#			
Target Compounds						Qvalue
2) MCHM	0.000		0	N.D.		
4) PPH	0.000		0	N.D.		
6) 1,4-CHDM	0.000		0	N.D.		
8) DM-1,4-CHDC	0.000		0	N.D.		
9) di-PPH	0.000		0	N.D. d		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_008.D
Acq On : 18 Nov 2014 03:38 pm
Operator : [redacted]
Sample : IS Sol'n
Misc : Solvent Blank with internal standards [ ] = 20.0 ug/mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 09:17:31 2014
Quant Method : D:\[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_011.D
Acq On : 18 Nov 2014 05:05 pm
Operator : [redacted]
Sample : IS Sol'n
Misc : Solvent Blank with internal standards [ ] = 20.0 ug/mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 09:23:51 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

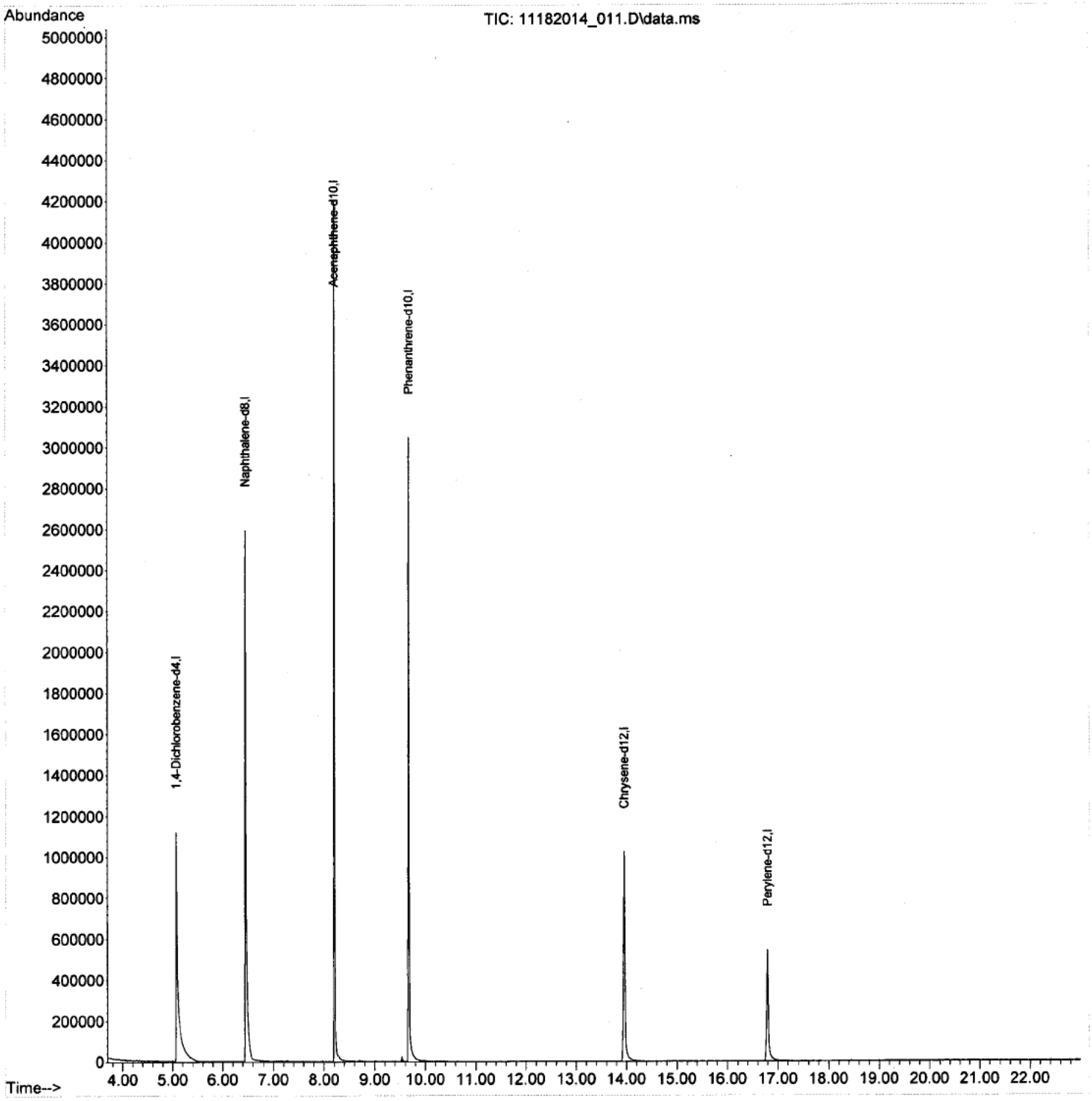
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.075	152	376810	20.00	ug/mL	0.00
3) Naphthalene-d8	6.457	136	1708581	20.00	ug/mL	0.00
5) Acenaphthene-d10	8.210	164	899070	20.00	ug/mL	0.00
10) Phenanthrene-d10	9.681	188	1480363	20.00	ug/mL	0.00
11) Chrysene-d12	13.957	240	756133	20.00	ug/mL	0.00
12) Perylene-d12	16.798	264	457122	20.00	ug/mL	0.00
System Monitoring Compounds						
7) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/mL	
Spiked Amount 12.500	Range 25 - 150		Recovery =	0.00%#		
Target Compounds						Qvalue
2) MCHM	0.000		0	N.D.		
4) PPH	0.000		0	N.D.		
6) 1,4-CHDM	0.000		0	N.D.		
8) DM-1,4-CHDC	0.000		0	N.D.		
9) di-PPH	0.000		0	N.D. d		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_011.D
Acq On : 18 Nov 2014 05:05 pm
Operator : [redacted]
Sample : IS Sol'n
Misc : Solvent Blank with internal standards [ ] = 20.0 ug/mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 09:23:51 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_011.D
Acq On : 18 Nov 2014 05:05 pm
Operator : [redacted]
Sample : IS Sol'n
Misc : Solvent Blank with internal standards [ ] = 20.0 ug/mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 09:23:51 2014
Quant Method : D:\[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	5.075	152	376810	20.00 ug/mL	0.00
3) Naphthalene-d8	6.457	136	1708581	20.00 ug/mL	0.00
5) Acenaphthene-d10	8.210	164	899070	20.00 ug/mL	0.00
10) Phenanthrene-d10	9.681	188	1480363	20.00 ug/mL	0.00
11) Chrysene-d12	13.957	240	756133	20.00 ug/mL	0.00
12) Perylene-d12	16.798	264	457122	20.00 ug/mL	0.00
System Monitoring Compounds					
7) 2-Fluorobiphenyl	0.000	172	0	0.00 ug/mL	
Spiked Amount 12.500	Range 25 - 150		Recovery =	0.00%#	
Target Compounds					Qvalue
2) MCHM	0.000		0	N.D.	
4) PPH	0.000		0	N.D.	
6) 1,4-CHDM	0.000		0	N.D.	
8) DM-1,4-CHDC	0.000		0	N.D.	
9) di-PPH	~~8.210~~	~~59~~	~~405~~	~~0.55 ug/mL#~~	1

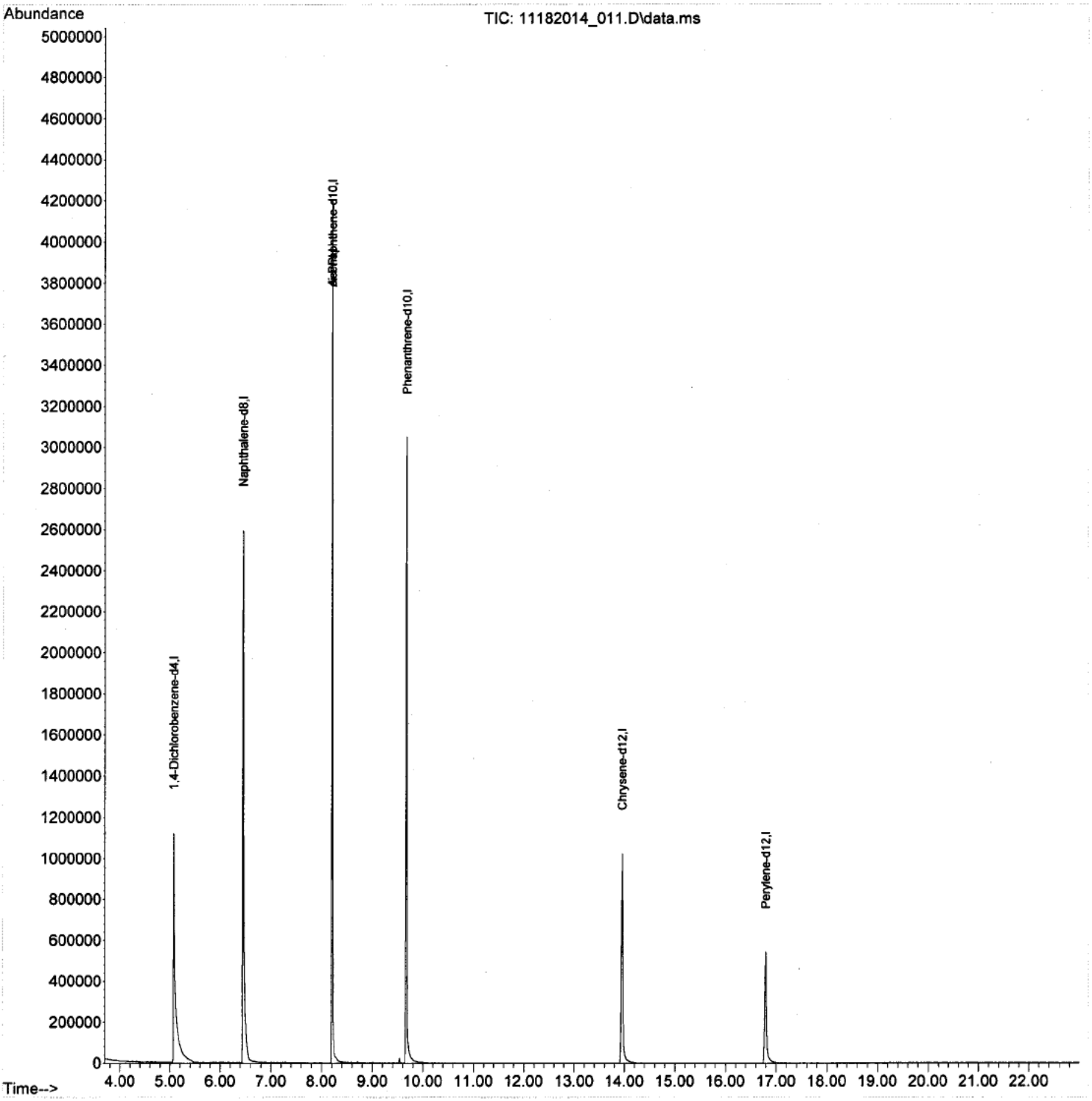
Analyte not present [redacted] 1/5/15

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_011.D
Acq On : 18 Nov 2014 05:05 pm
Operator : [redacted]
Sample : IS Sol'n
Misc : Solvent Blank with internal standards [ ] = 20.0 ug/mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 09:23:51 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_015.D
Acq On : 18 Nov 2014 07:02 pm
Operator : [redacted]
Sample : CCV Standard
Misc : [Analyte] ~ 2.00 ug/mL, [IS] = 20.0 ug/mL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 19 10:07:03 2014
Quant Method : D:\[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	5.075	152	385843	20.00 ug/mL	0.00
3) Naphthalene-d8	6.457	136	1719365	20.00 ug/mL	0.00
5) Acenaphthene-d10	8.210	164	916412	20.00 ug/mL	0.00
10) Phenanthrene-d10	9.681	188	1480327	20.00 ug/mL	0.00
11) Chrysene-d12	13.963	240	783873	20.00 ug/mL	0.00
12) Perylene-d12	16.798	264	446935	20.00 ug/mL	0.00
System Monitoring Compounds					
7) 2-Fluorobiphenyl	7.575	172	115018m	2.04 ug/mL	0.00
Spiked Amount 12.500	Range 25 - 150		Recovery =	~~16.32%#~~	
Target Compounds					Qvalue
2) MCHM	5.716	55	71267m	2.00 ug/mL	
4) PPH	6.851	94	72213m	1.89 ug/mL	
6) 1,4-CHDM	7.463	67	17102m	1.79 ug/mL	
8) DM-1,4-CHDC	7.969	81	58531	1.99 ug/mL	95
9) di-PPH	8.534	59	55899m	2.04 ug/mL	

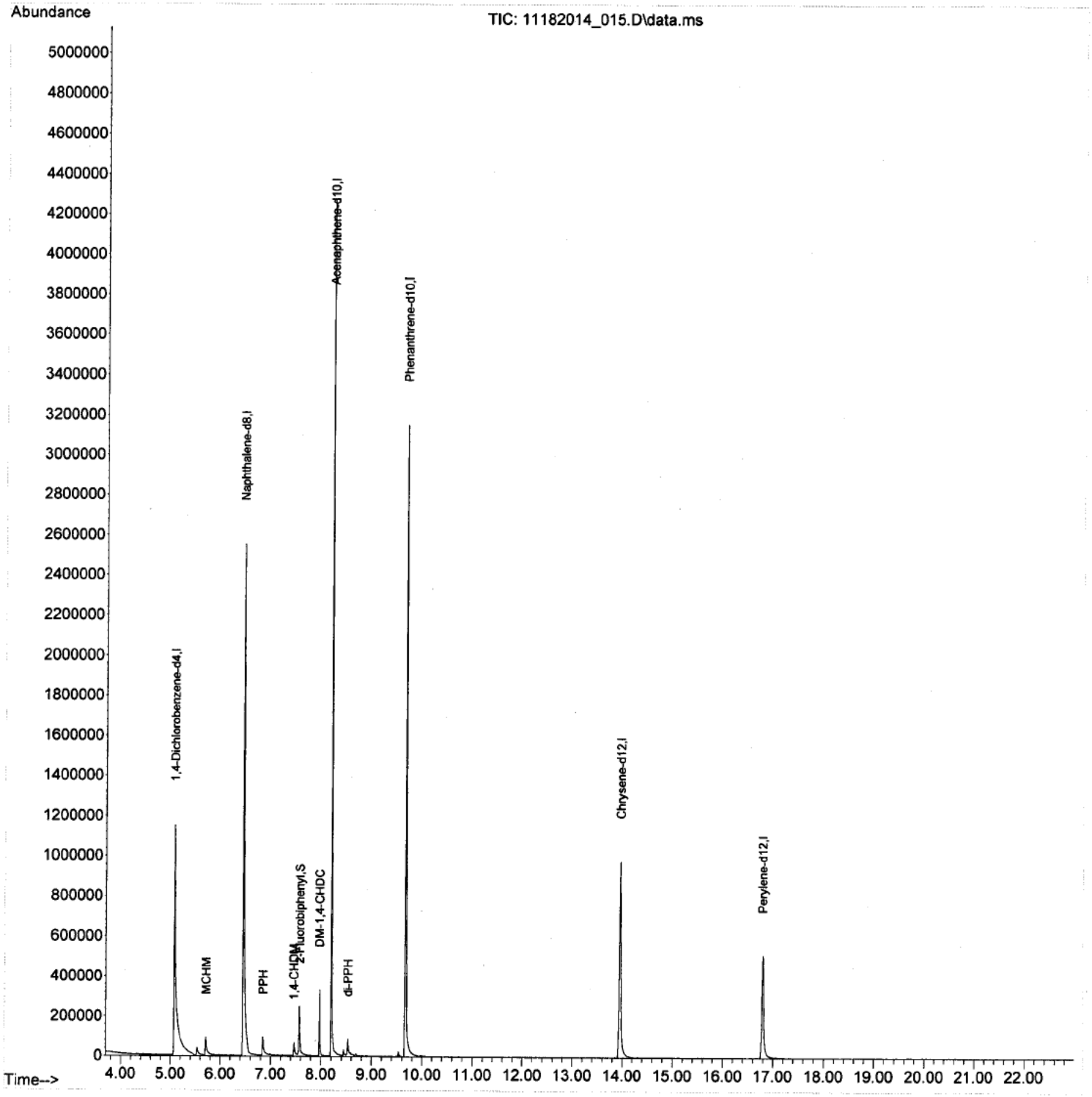
See Analyst Narrative, Surrogate Recovery [redacted] 1/7/15

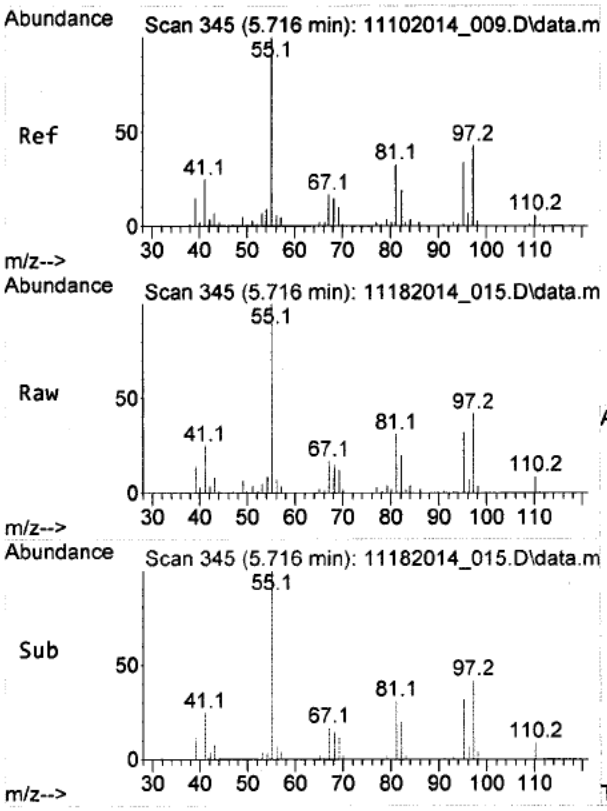
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_015.D
Acq On : 18 Nov 2014 07:02 pm
Operator : [redacted]
Sample : CCV Standard
Misc : [Analyte] ~ 2.00 ug/mL, [IS] = 20.0 ug/mL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 19 10:07:03 2014
Quant Method : D:\[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

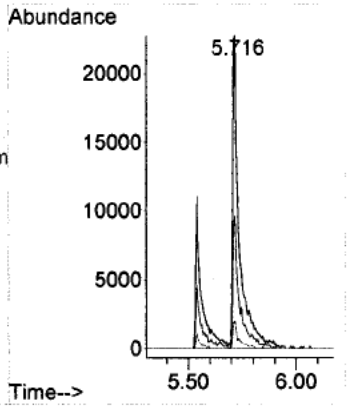


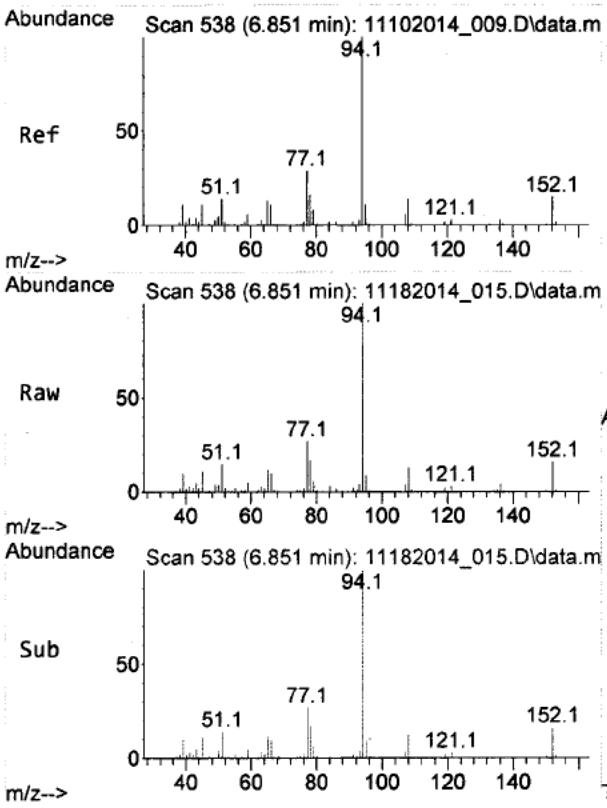


#2
MCHM
Concen: 2.00 ug/mL m
RT: 5.716 min Scan# 345
Delta R.T. 0.000 min
Lab File: 11182014_015.D
Acq: 18 Nov 2014 07:02 pm

Tgt Ion: 55 Resp: 71267

Ion	Ratio	Lower	Upper
55	100		
97	25.3	34.6	51.8#
110	5.0	4.8	7.2

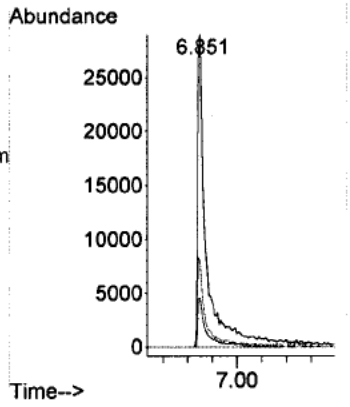


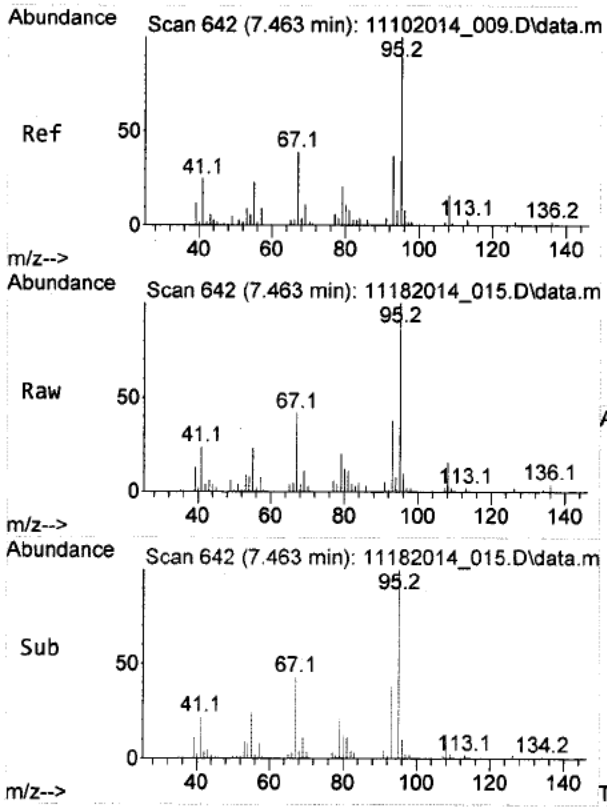


#4
PPH
Concen: 1.89 ug/mL m
RT: 6.851 min Scan# 538
Delta R.T. -0.006 min
Lab File: 11182014_015.D
Acq: 18 Nov 2014 07:02 pm

Tgt Ion: 94 Resp: 72213

Ion	Ratio	Lower	Upper
94	100		
152	13.4	13.4	20.0
77	22.8	21.2	31.8

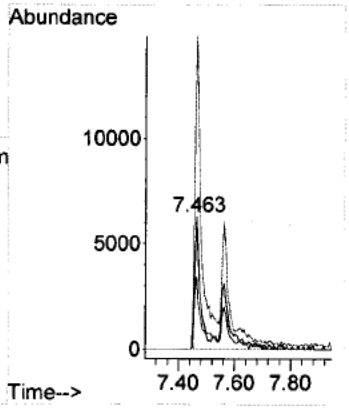


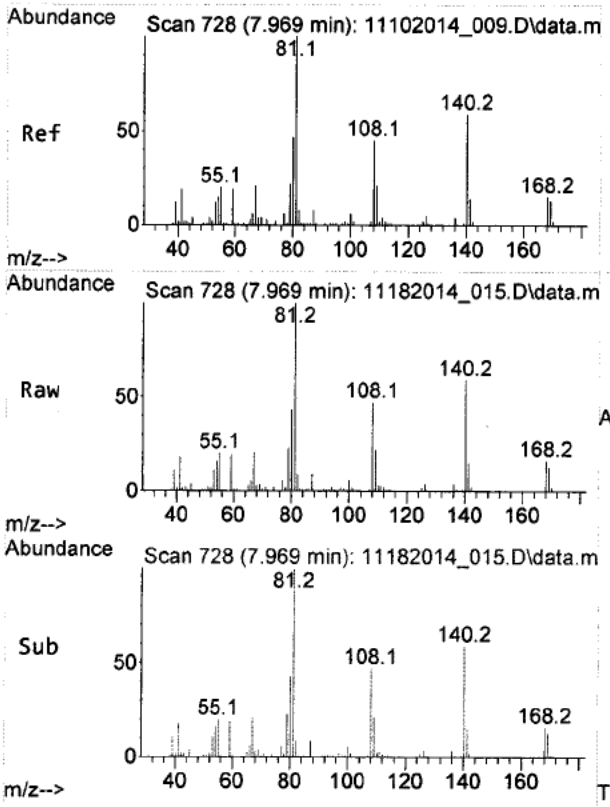


#6
1,4-CHDM
Concen: 1.79 ug/mL m
RT: 7.463 min Scan# 642
Delta R.T. -0.024 min
Lab File: 11182014_015.D
Acq: 18 Nov 2014 07:02 pm

Tgt Ion: 67 Resp: 17102

Ion	Ratio	Lower	Upper
67	100		
55	32.1	47.8	71.6#
95	148.5	204.6	307.0#

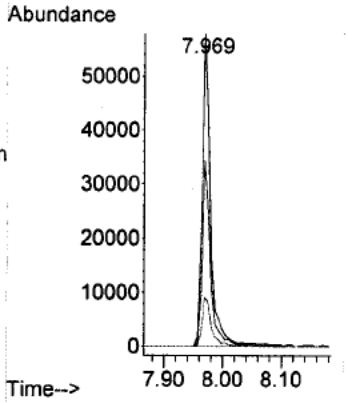


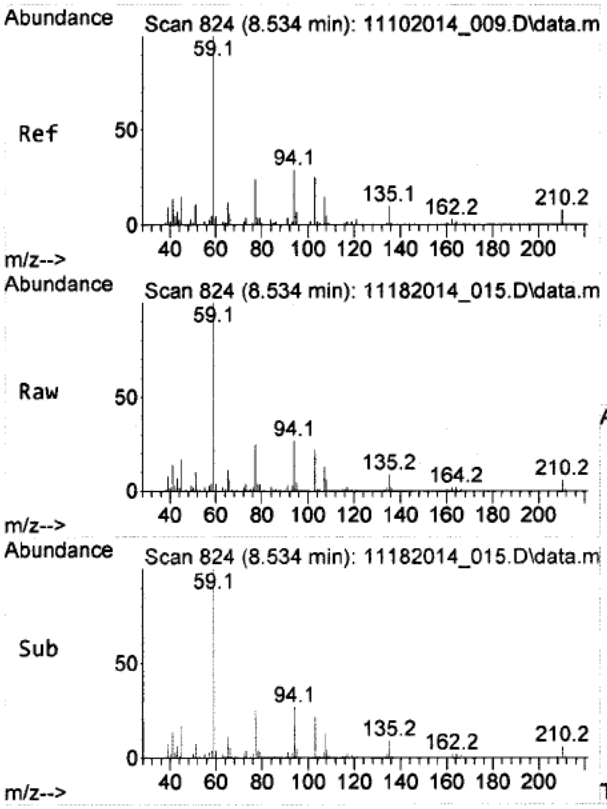


#8
DM-1,4-CHDC
Concen: 1.99 ug/mL
RT: 7.969 min Scan# 728
Delta R.T. -0.012 min
Lab File: 11182014_015.D
Acq: 18 Nov 2014 07:02 pm

Tgt Ion: 81 Resp: 58531

Ion	Ratio	Lower	Upper
81	100		
140	57.5	49.4	74.2
168	17.2	14.2	21.2

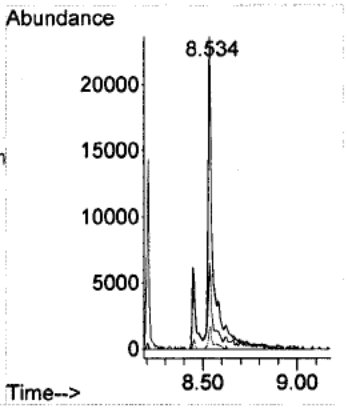




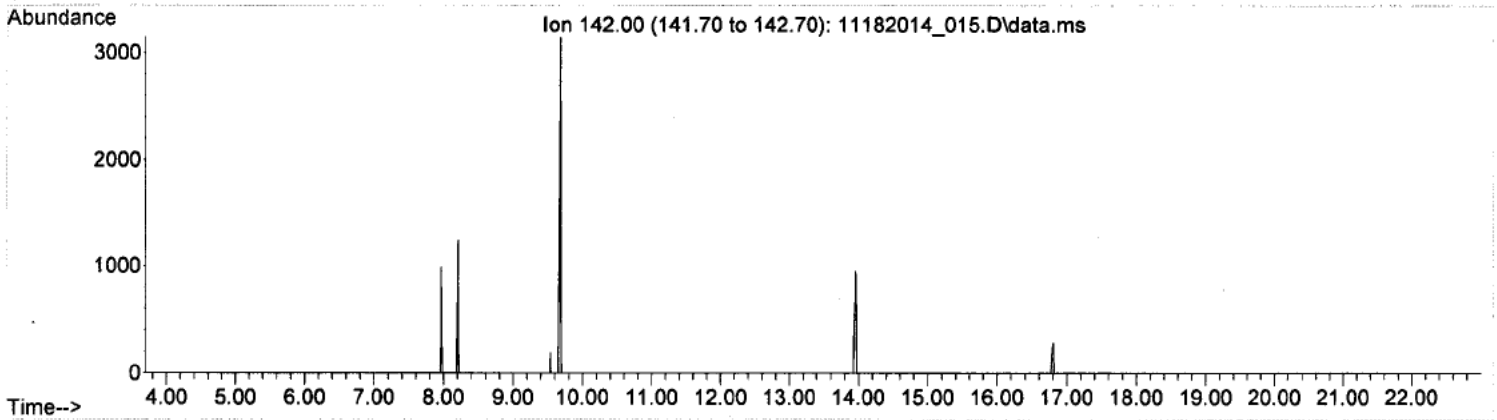
#9
di-PPH
Concen: 2.04 ug/mL m
RT: 8.534 min Scan# 824
Delta R.T. -0.006 min
Lab File: 11182014_015.D
Acq: 18 Nov 2014 07:02 pm

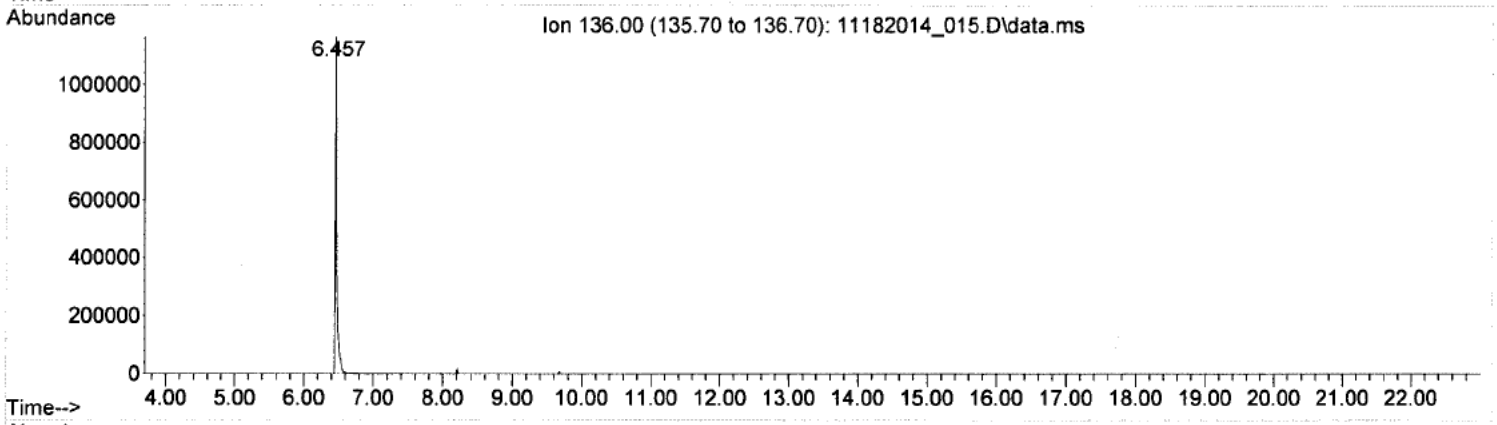
Tgt Ion: 59 Resp: 55899

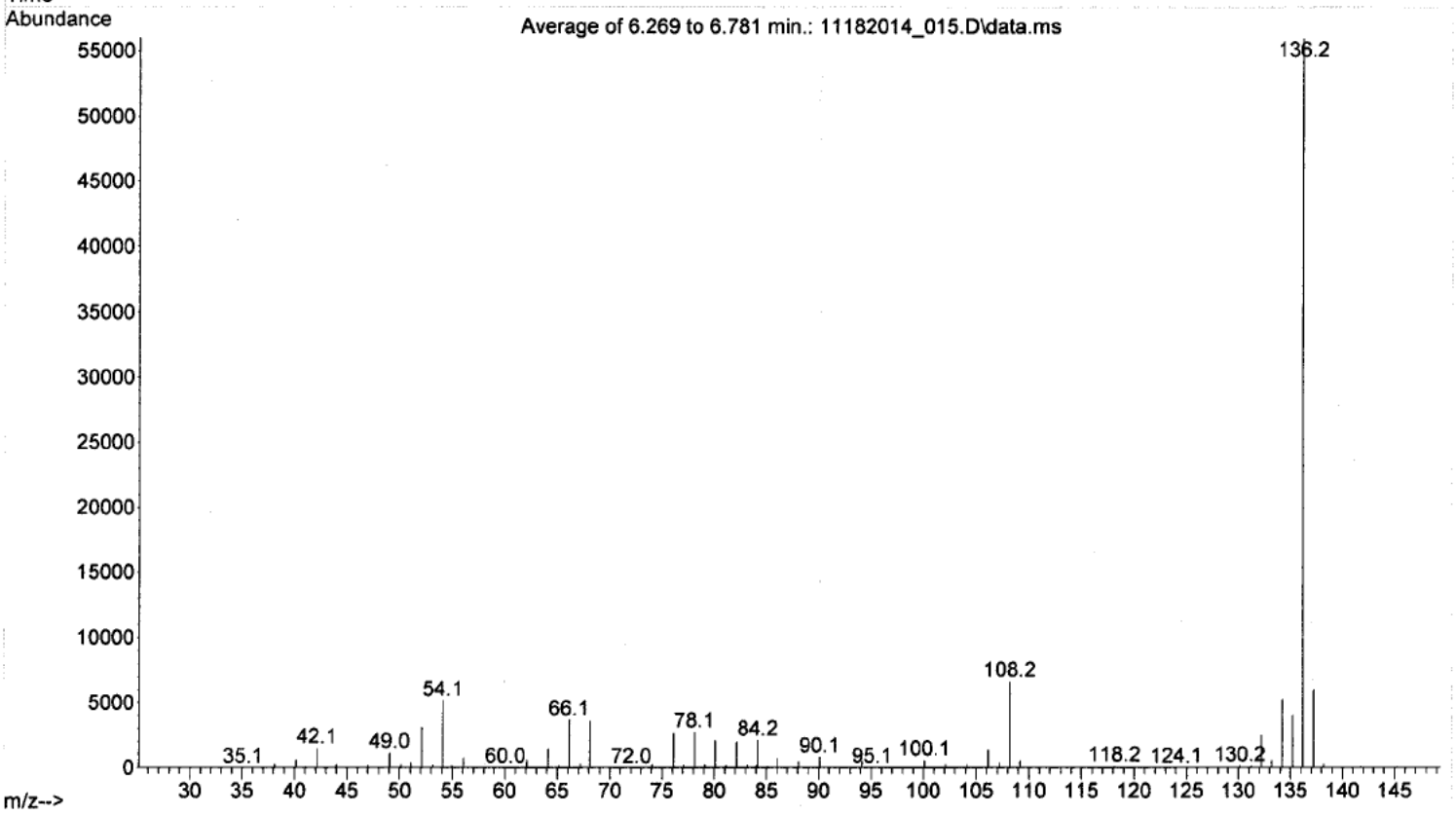
Ion	Ratio	Lower	Upper
59	100		
94	21.4	23.0	34.6#
210	4.0	6.1	9.1#



File :D:[redacted]\RP1616\11182014_Run\11182014_015.D
Operator : [redacted]
Acquired : 18 Nov 2014 07:02 pm using AcqMethod RP1616[redacted].M
Instrument : EnvQnt
Sample Name: CCV Standard
Misc Info : [Analyte] ~ 2.00 ug/mL, [IS] = 20.0 ug/mL
Vial Number: 12







Quantitation Report (QT Reviewed)

Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_016.D
Acq On : 18 Nov 2014 07:31 pm
Operator : [redacted]
Sample : IS Sol'n
Misc : Solvent Blank with internal standards [ ] = 20.0 ug/mL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 19 10:09:22 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

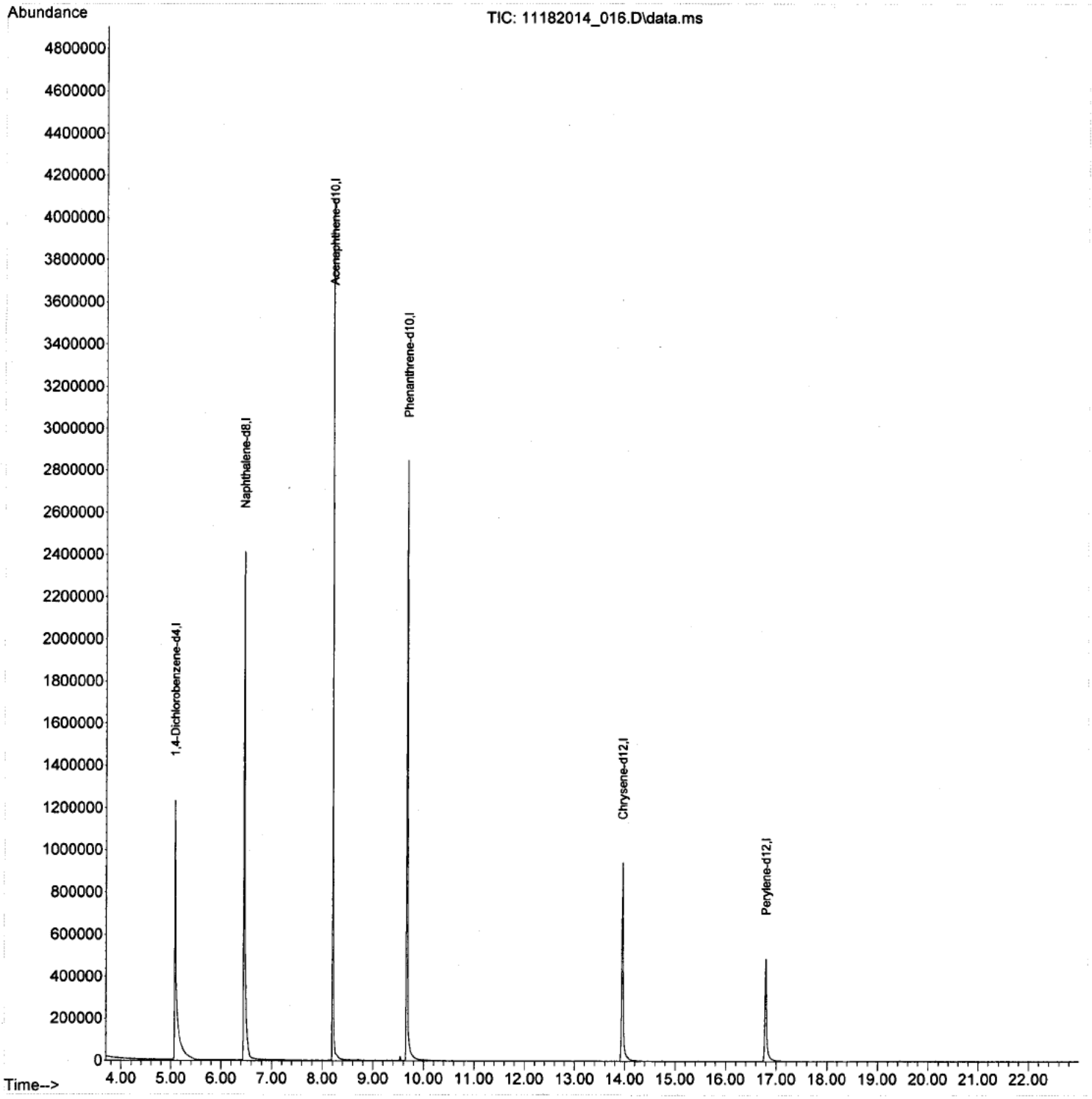
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	5.075	152	379355	20.00 ug/mL	0.00
3) Naphthalene-d8	6.457	136	1676002	20.00 ug/mL	0.00
5) Acenaphthene-d10	8.210	164	902737	20.00 ug/mL	0.00
10) Phenanthrene-d10	9.681	188	1471274	20.00 ug/mL	0.00
11) Chrysene-d12	13.957	240	713223	20.00 ug/mL	0.00
12) Perylene-d12	16.798	264	390816	20.00 ug/mL	0.00
System Monitoring Compounds					
7) 2-Fluorobiphenyl	0.000	172	0	0.00 ug/mL	
Spiked Amount 12.500	Range 25 - 150		Recovery =	0.00%#	
Target Compounds					Qvalue
2) MCHM	0.000		0	N.D.	
4) PPH	0.000		0	N.D.	
6) 1,4-CHDM	0.000		0	N.D.	
8) DM-1,4-CHDC	0.000		0	N.D.	
9) di-PPH	0.000		0	N.D. d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

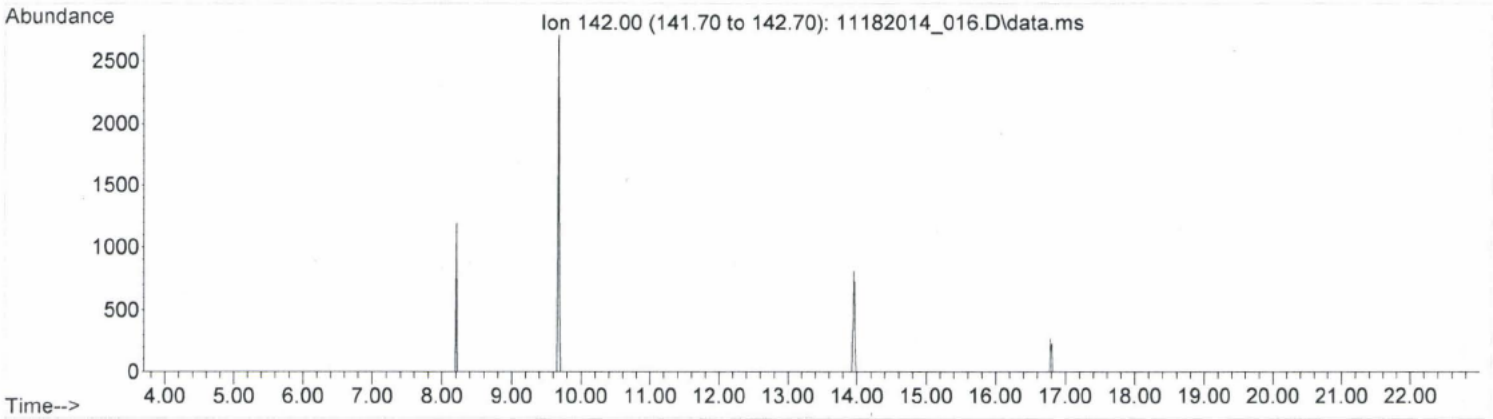
Quantitation Report (QT Reviewed)

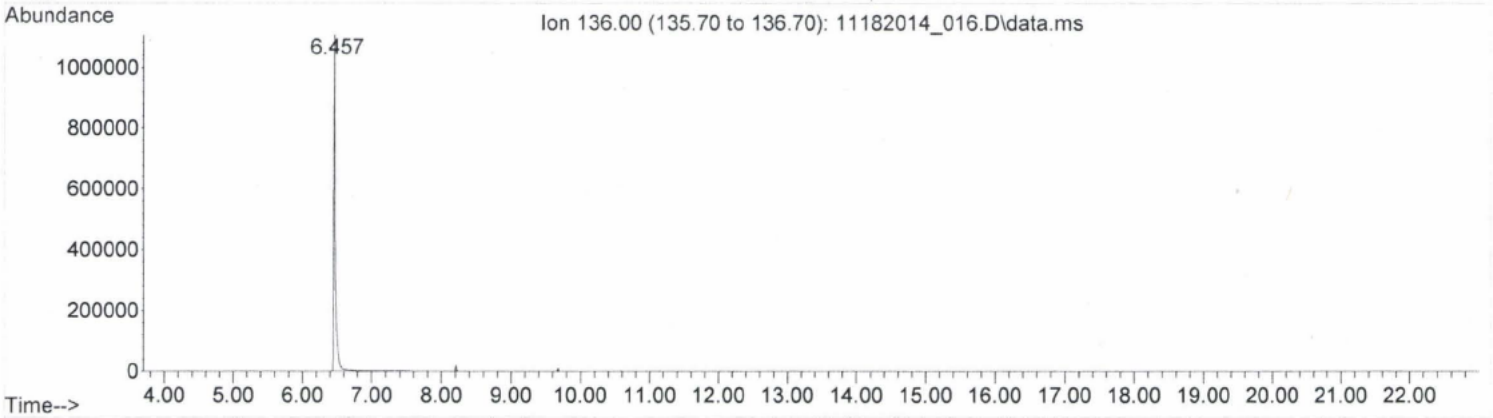
Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_016.D
Acq On : 18 Nov 2014 07:31 pm
Operator : [redacted]
Sample : IS Sol'n
Misc : Solvent Blank with internal standards [ ] = 20.0 ug/mL
ALS Vial : 13 Sample Multiplier: 1

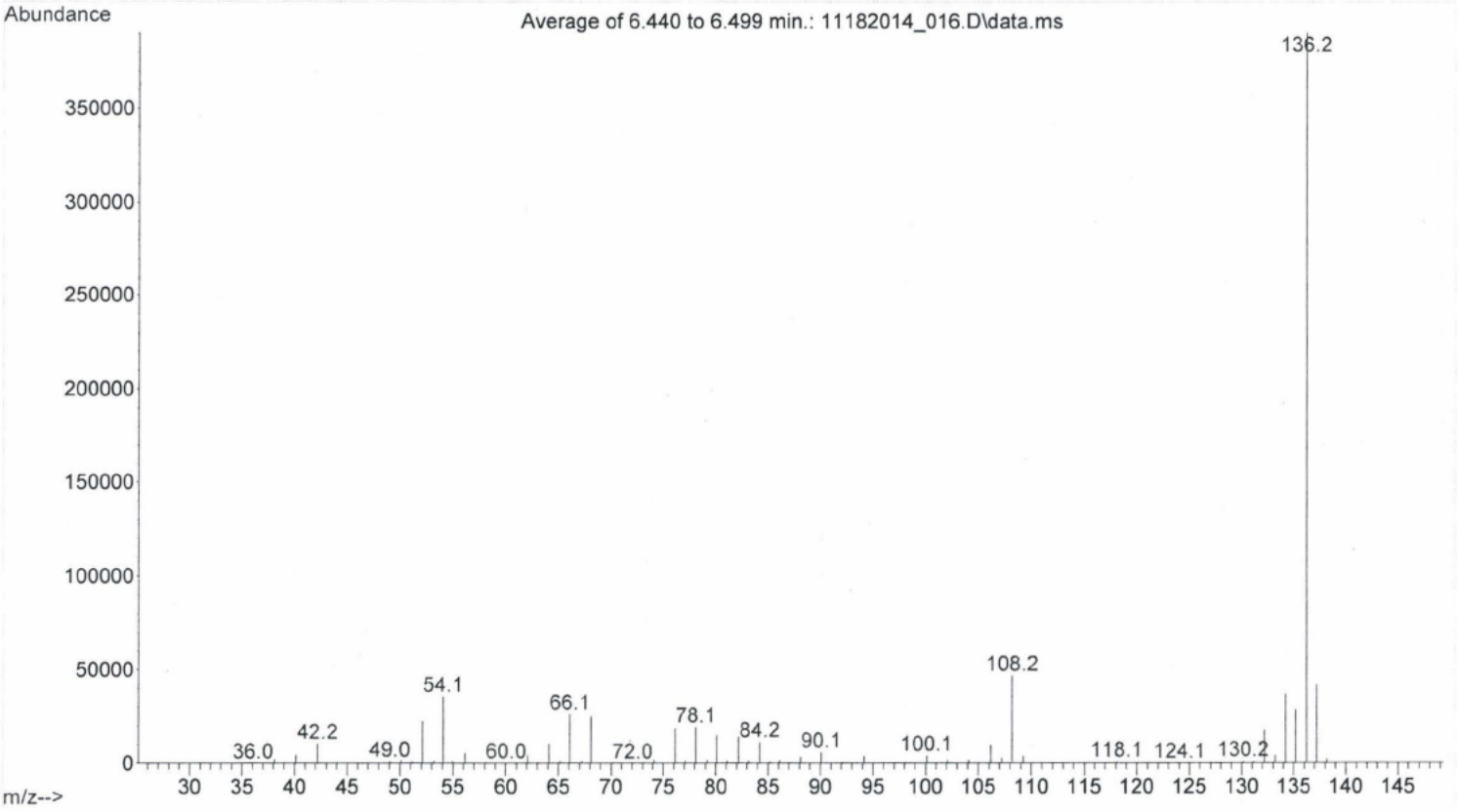
Quant Time: Nov 19 10:09:22 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration



File :D:[redacted]\RP1616\11182014_Run\11182014_016.D
Operator : [redacted]
Acquired : 18 Nov 2014 07:31 pm using AcqMethod RP1616[redacted].M
Instrument : EnvQnt
Sample Name: IS Sol'n
Misc Info : Solvent Blank with internal standards [ ] = 20.0 ug/mL
Vial Number: 13







[redacted] RP1616 12/17/14

Quantitation Report (QT Reviewed)

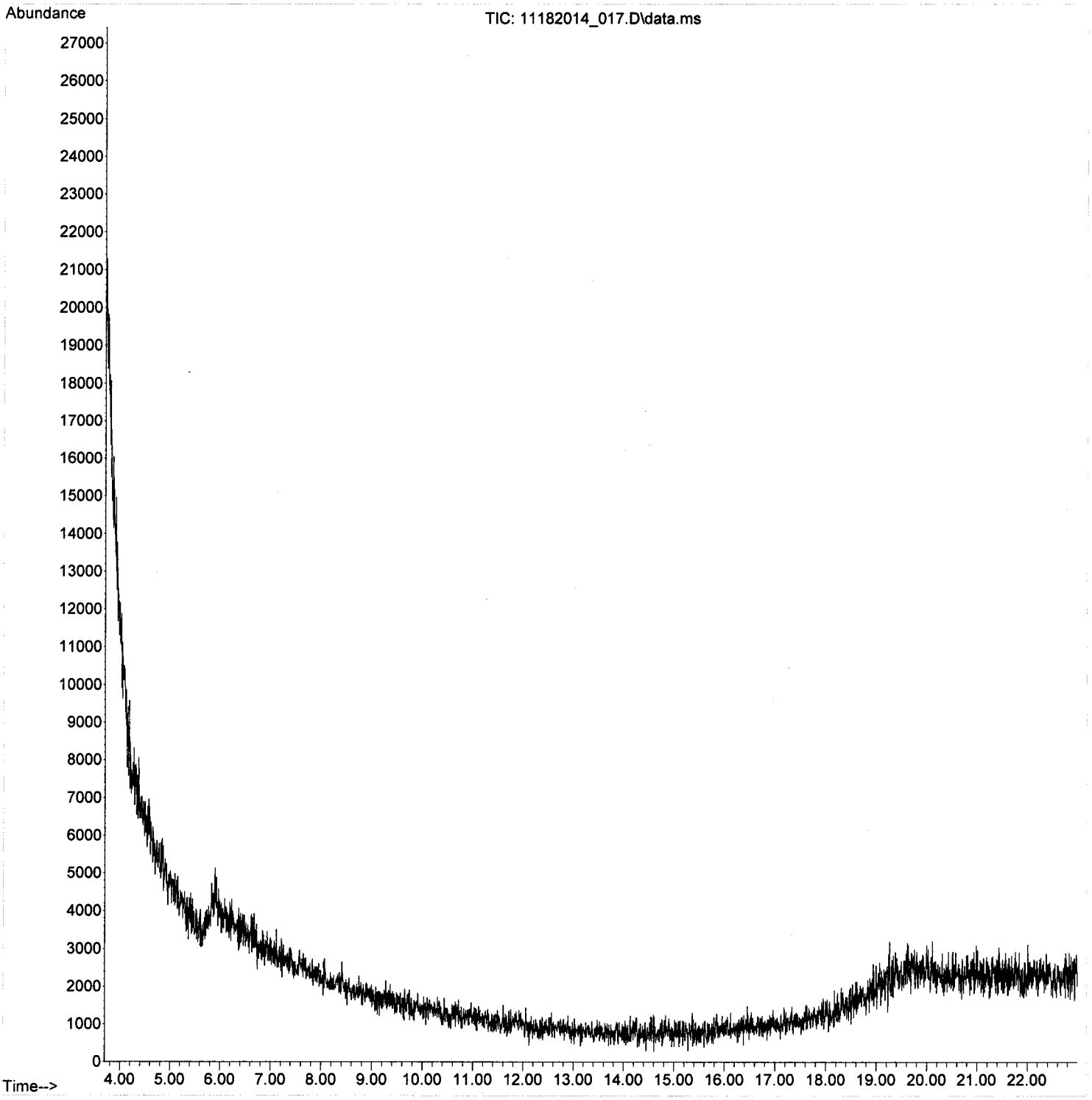
Data Path : D:\[redacted]\RP1616\11182014_Run\
Data File : 11182014_017.D
Acq On : 18 Nov 2014 08:01 pm
Operator : [redacted]
Sample : Solvent Blank
Misc : CH2Cl2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 19 10:09:58 2014
Quant Method : D:[redacted]\GCMS\1\methods\RP1616[redacted]b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.00	ug/mL	-5.08
3) Naphthalene-d8	0.000	136	0	0.00	ug/mL	-6.46
5) Acenaphthene-d10	0.000	164	0	0.00	ug/mL	-8.21
10) Phenanthrene-d10	0.000	188	0	0.00	ug/mL	-9.67
11) Chrysene-d12	0.000	240	0	0.00	ug/mL	-13.96
12) Perylene-d12	0.000	264	0	0.00	ug/mL	-16.79
System Monitoring Compounds						
7) 2-Fluorobiphenyl	0.000	172	0	0.00	ug/mL	
Spiked Amount 12.500	Range 25 - 150		Recovery = 0.00%#			
Target Compounds						Qvalue
2) MCHM	0.000		0	N.D.		
4) PPH	0.000		0	N.D.		
6) 1,4-CHDM	0.000		0	N.D.		
8) DM-1,4-CHDC	0.000		0	N.D.		
9) di-PPH	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Hurlbut\RP1616\11182014_Run\
Data File : 11182014_017.D
Acq On : 18 Nov 2014 08:01 pm
Operator : DBH
Sample : Solvent Blank
Misc : CH2Cl2
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 19 10:09:58 2014
Quant Method : D:\MassHunter\GCMS\1\methods\RP1616_DBH-b.M
Quant Title : RP1616-MCHM Compounds
QLast Update : Wed Nov 12 16:18:43 2014
Response via : Initial Calibration