

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121417\
 Data File : BM013442.D
 Acq On : 15 Dec 2017 17:22
 Operator : SJ/JU
 Sample : I6759-12MEDL2 20X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 15 19:00:14 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 04:56:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	174143	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	741001	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	470010	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1092857	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1147044	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	955793	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	768	0.22	ng/uL	0.02
5) Phenol-d5	6.86	99	13235	0.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	9251	1.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	11340	0.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	6372	0.50	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	5451	0.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	5240	0.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	10697	0.83	ng/ul	0.01
29) 4-Chloroaniline-d4	10.61	131	11866	1.00	ng/ul	0.01
43) Dimethylphthalate-d6	13.73	166	46617	1.11	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	54842	1.06	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	535	0.07	ng/ul	0.02
57) Fluorene-d10	15.32	176	41582	1.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	1576	0.23	ng/ul	0.00
70) Anthracene-d10	17.17	188	63406	1.16	ng/ul	0.00
76) Pyrene-d10	19.46	212	65764	1.15	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	49173	1.01	ng/ul	0.00

Target Compounds

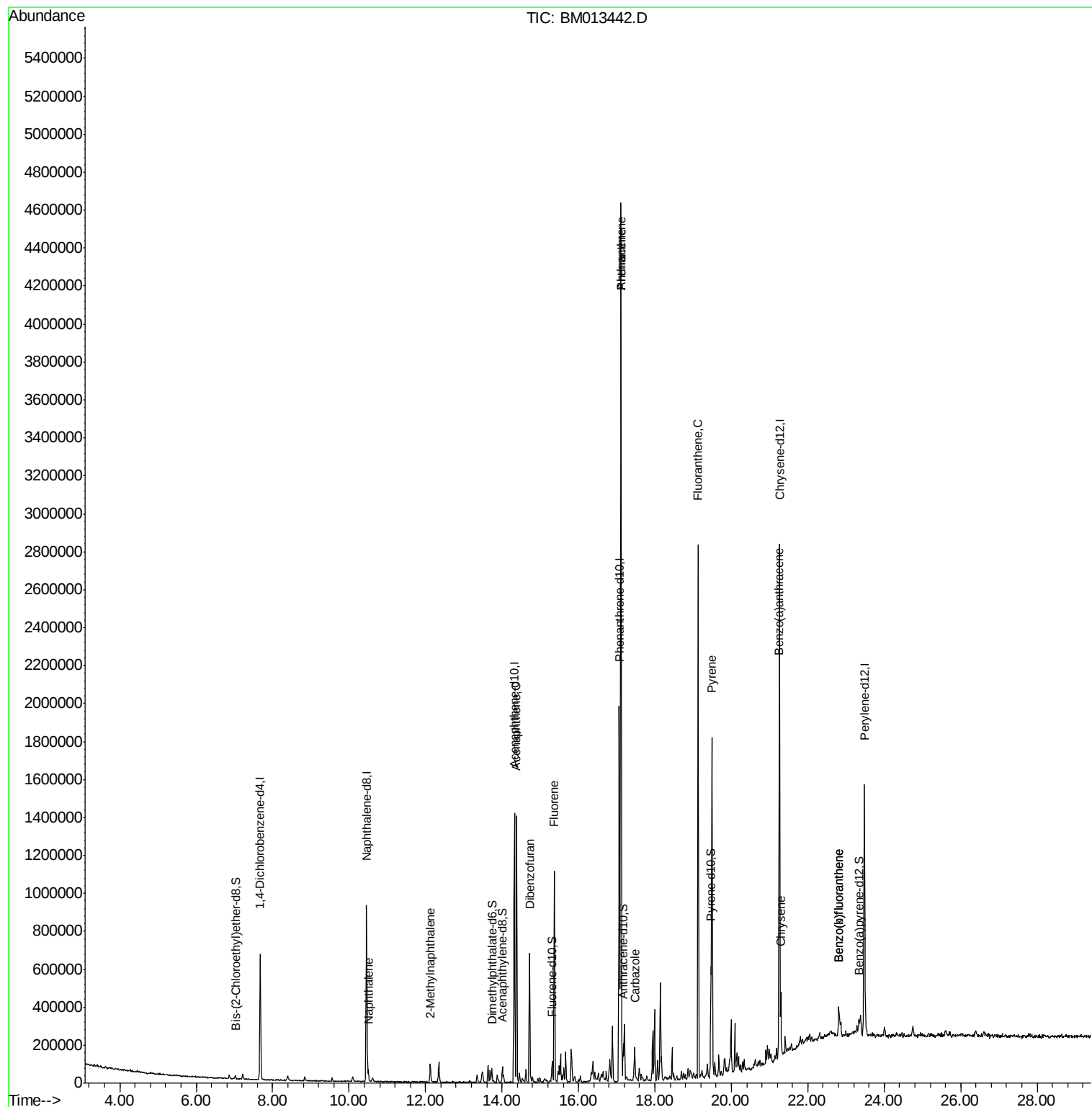
					Ovalue	
28) Naphthalene	10.50	128	47356	1.242	ng/ul#	92
34) 2-Methylnaphthalene	12.12	142	44891	1.566	ng/ul	83
49) Acenaphthene	14.38	153	543005	16.689	ng/ul	97
53) Dibenzofuran	14.72	168	410208	8.540	ng/ul	98
58) Fluorene	15.37	166	465032	11.703	ng/ul	96
69) Phenanthrene	17.11	178	2715565	43.738	ng/ul	99
71) Anthracene	17.11	178	2715565	42.789	ng/ul	99
72) Carbazole	17.47	167	93739	1.717	ng/ul	100
74) Fluoranthene	19.13	202	1707515	22.442	ng/ul#	94
77) Pyrene	19.49	202	1106462	15.878	ng/ul#	91
80) Benzo(a)anthracene	21.24	228	242340	3.330	ng/ul	98
82) Chrysene	21.29	228	187646	2.779	ng/ul	97
85) Benzo(b)fluoranthene	22.81	252	99480	1.544	ng/ul#	91
86) Benzo(k)fluoranthene	22.81	252	99480	1.641	ng/ul#	89

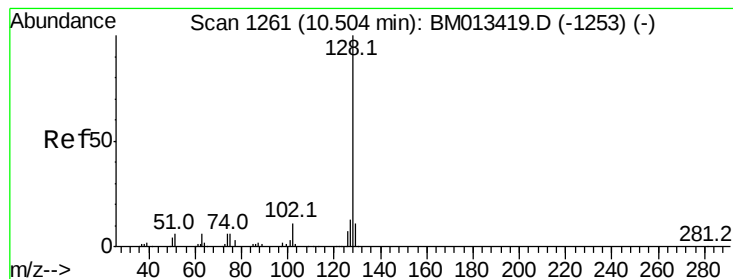
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 15 19:00:14 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 04:56:09 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 1.242 ng/ul

RT: 10.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BM013442.D

Acq: 15 Dec 2017 17:22

Instrument :

BNA_M

ClientSampleId :

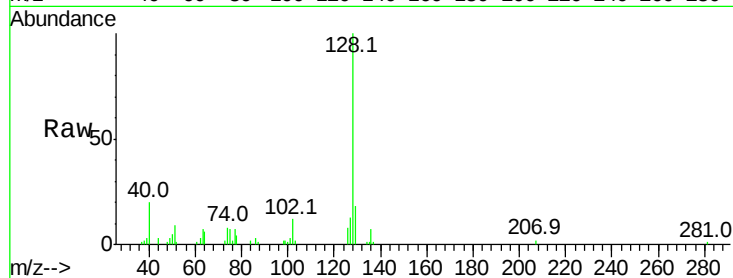
Tot Ion:128 Resp: 47356

Ion Ratio Lower Upper

128 100

129 17.8 8.8 13.2#

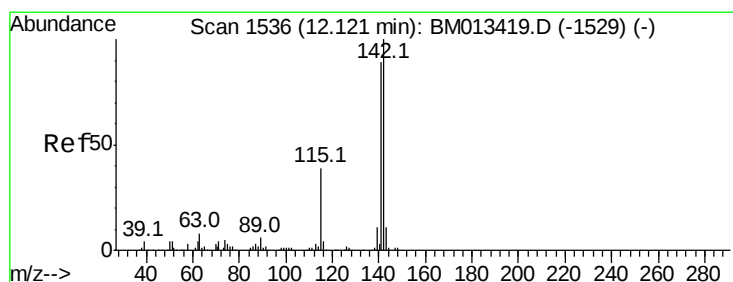
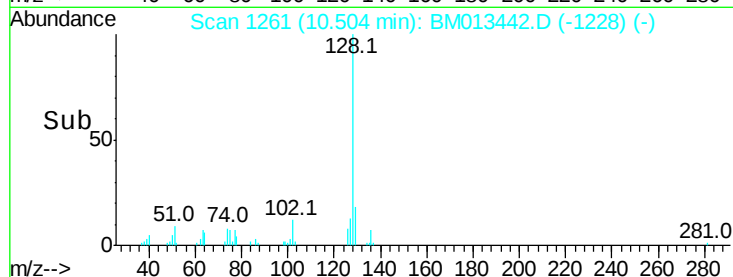
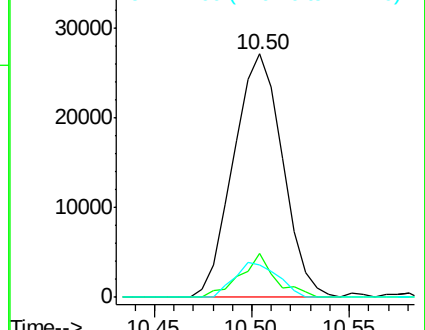
127 13.3 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1.566 ng/ul

RT: 12.12 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BM013442.D

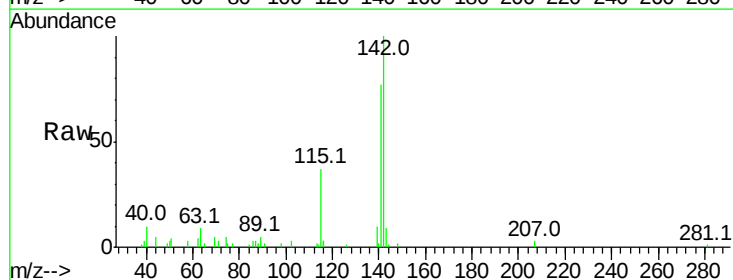
Acq: 15 Dec 2017 17:22

Tgt Ion:142 Resp: 44891

Ion Ratio Lower Upper

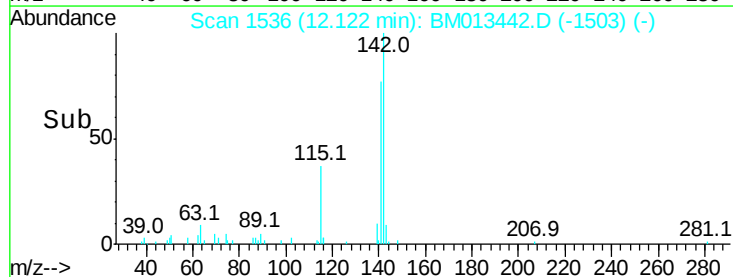
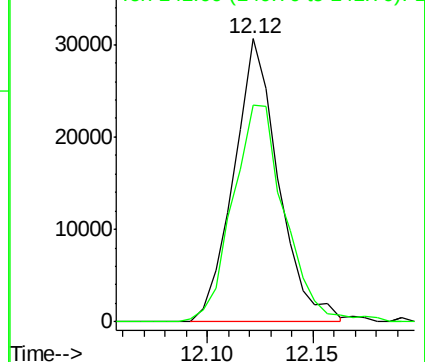
142 100

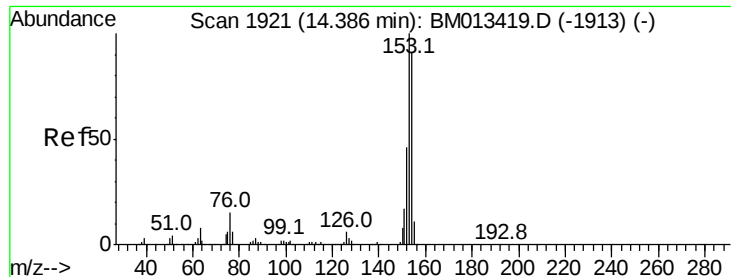
141 76.8 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#49

Acenaphthene

Concen: 16.689 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.01 min

Lab File: BM013442.D

Acq: 15 Dec 2017 17:22

Instrument :

BNA_M

ClientSampled :

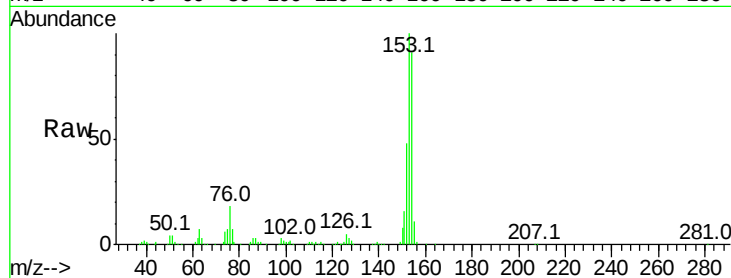
Tot Ion:153 Resp: 543005

Ion Ratio Lower Upper

153 100

152 47.9 37.6 56.4

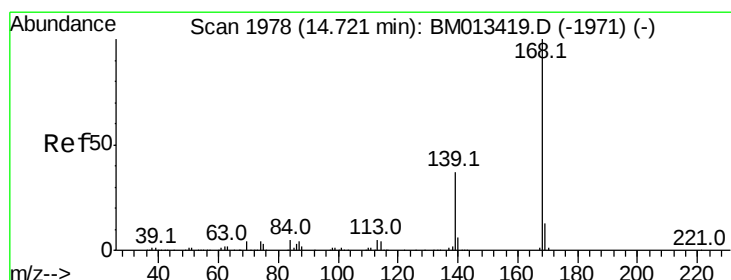
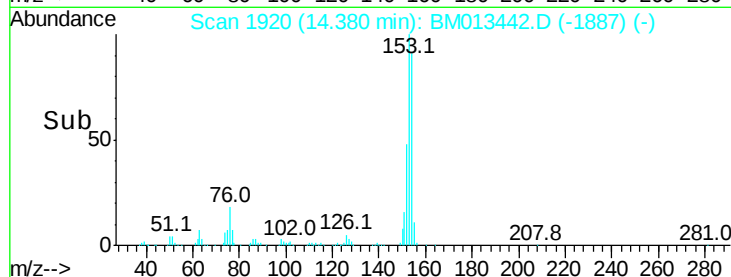
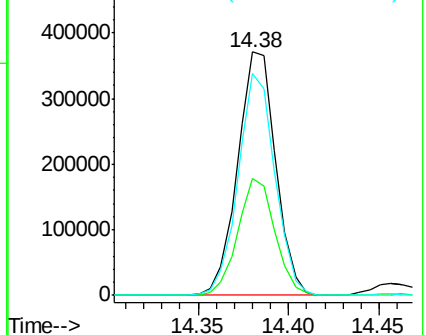
154 91.4 70.4 105.6



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 8.540 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BM013442.D

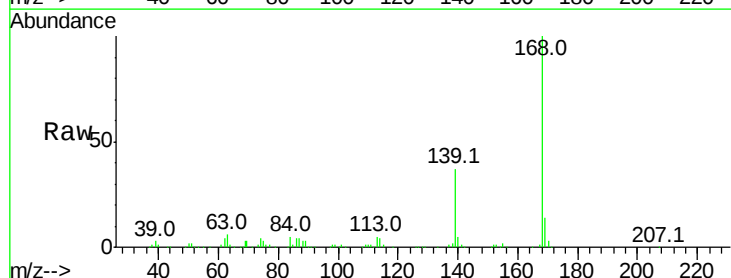
Acq: 15 Dec 2017 17:22

Tgt Ion:168 Resp: 410208

Ion Ratio Lower Upper

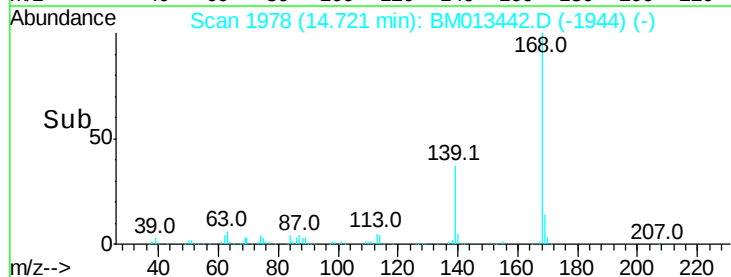
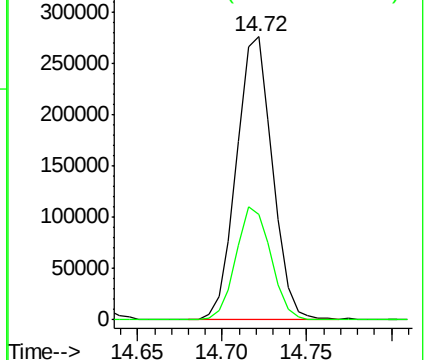
168 100

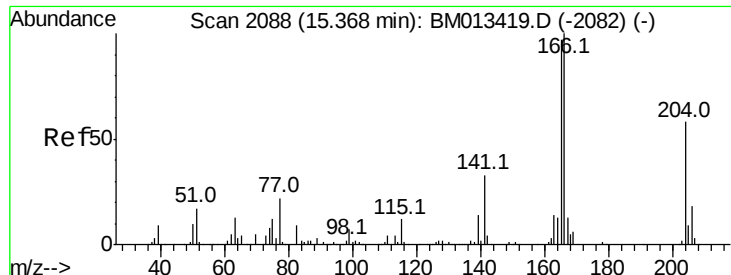
139 37.1 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 11.703 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BM013442.D

Acq: 15 Dec 2017 17:22

Instrument :

BNA_M

ClientSampleId :

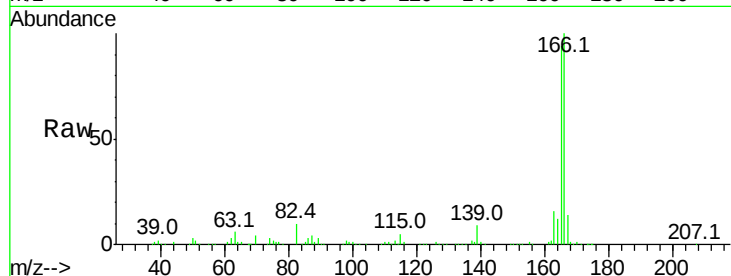
Tot Ion:166 Resp: 465032

Ion Ratio Lower Upper

166 100

165 93.5 77.9 116.9

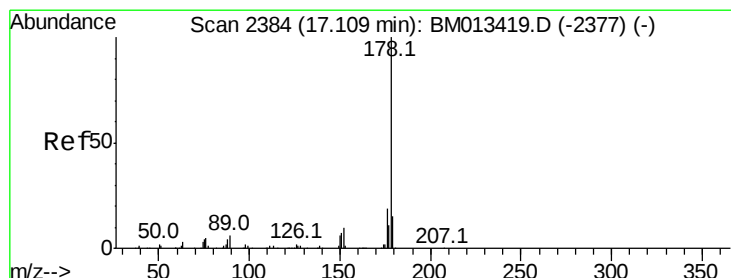
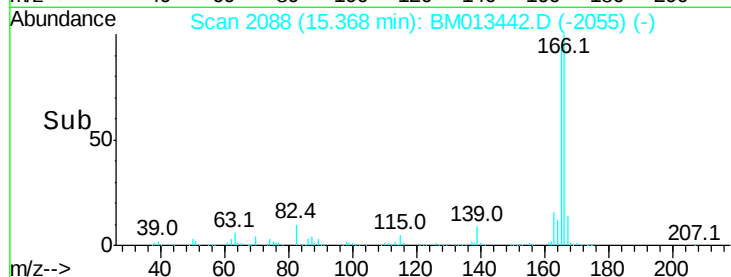
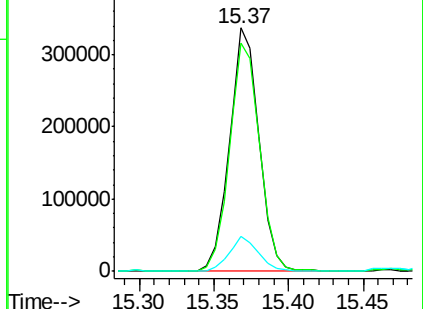
167 14.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 43.738 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM013442.D

Acq: 15 Dec 2017 17:22

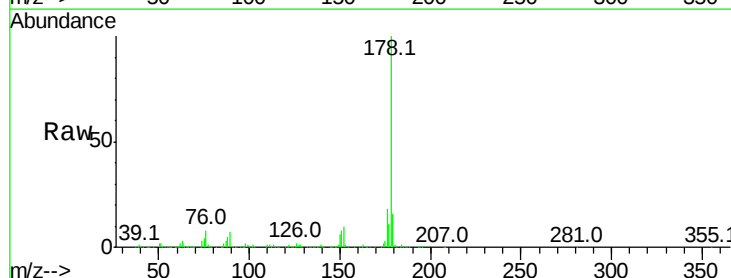
Tgt Ion:178 Resp: 2715565

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

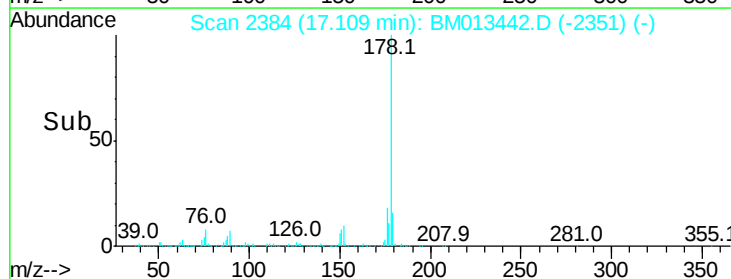
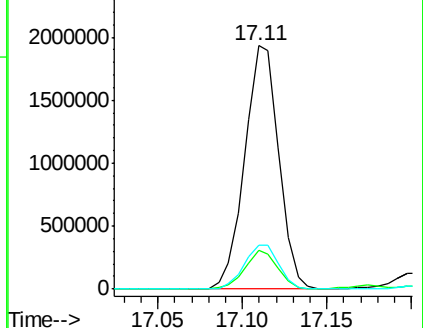
176 18.0 14.9 22.3

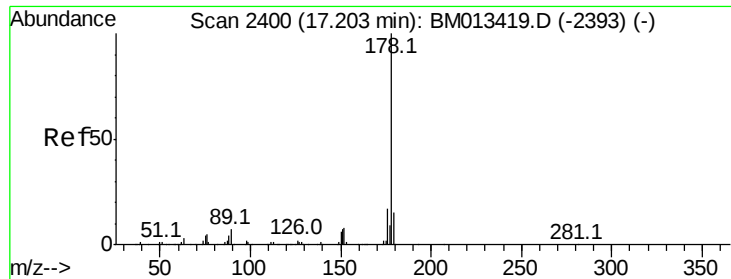


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

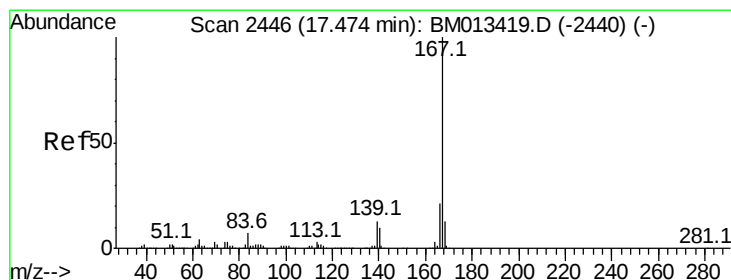
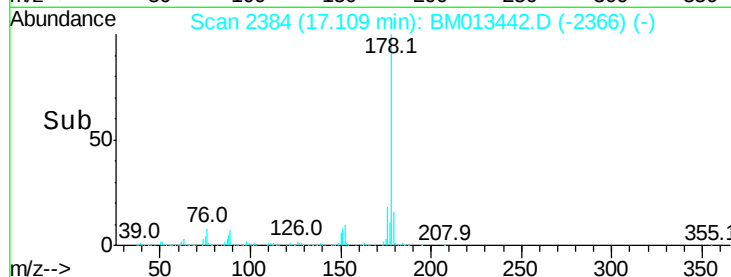
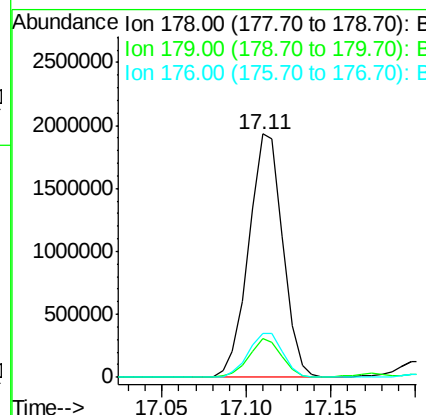
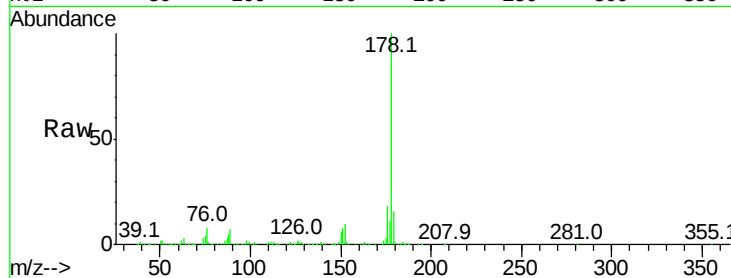




#71
 Anthracene
 Concen: 42.789 ng/ul
 RT: 17.11 min Scan# 2384
 Delta R.T. -0.09 min
 Lab File: BM013442.D
 Acq: 15 Dec 2017 17:22

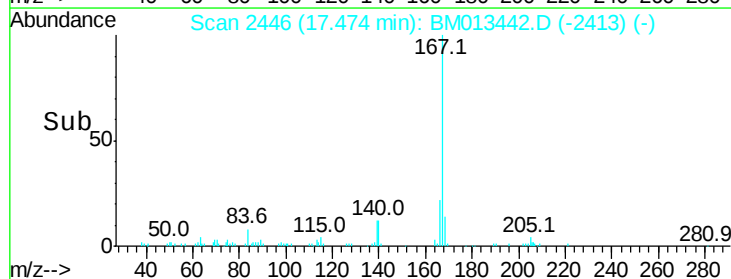
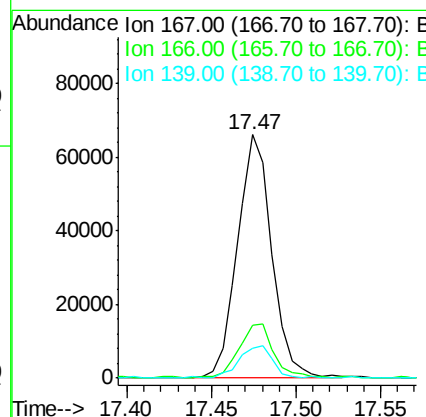
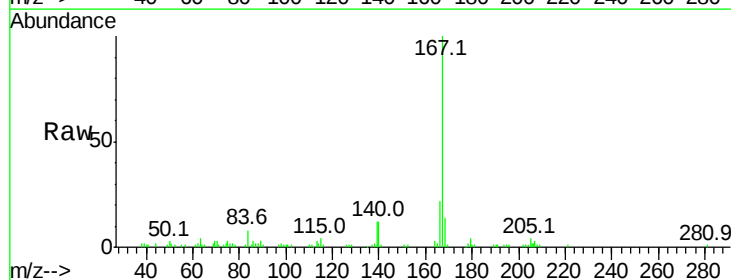
Instrument :
 BNA_M
 ClientSampleId :

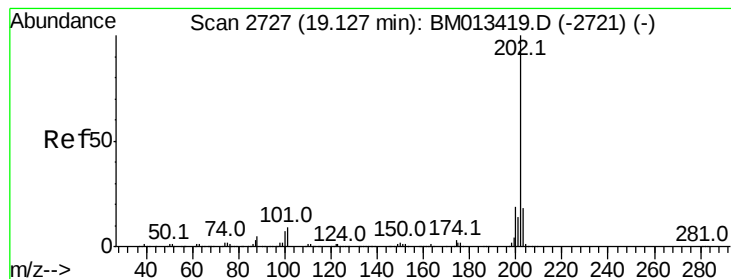
Tot Ion:178 Resp: 2715565
 Ion Ratio Lower Upper
 178 100
 179 15.7 11.7 17.5
 176 18.0 14.6 21.8



#72
 Carbazole
 Concen: 1.717 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: BM013442.D
 Acq: 15 Dec 2017 17:22

Tgt Ion:167 Resp: 93739
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.1 25.7
 139 12.3 10.0 15.0





#74

Fluoranthene

Concen: 22.442 ng/ul

RT: 19.13 min Scan# 2728

Delta R.T. -0.00 min

Lab File: BM013442.D

Acq: 15 Dec 2017 17:22

Instrument :

BNA_M

ClientSampleId :

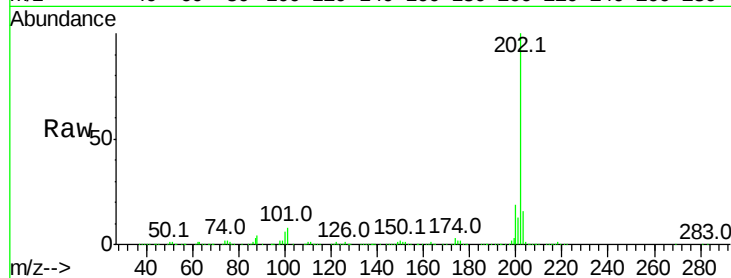
Tot Ion:202 Resp: 1707515

Ion Ratio Lower Upper

202 100

101 7.7 4.6 7.0#

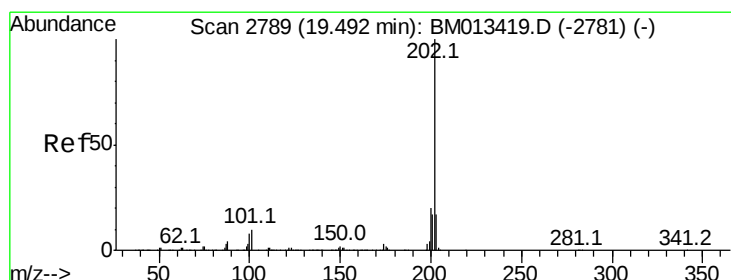
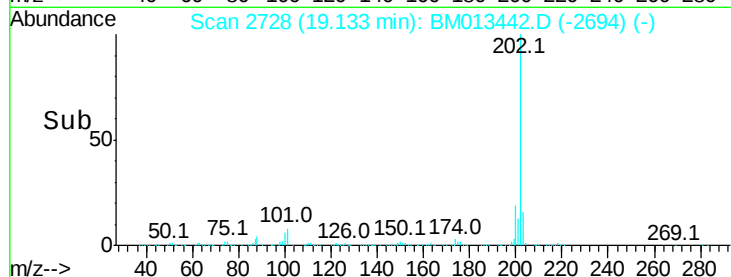
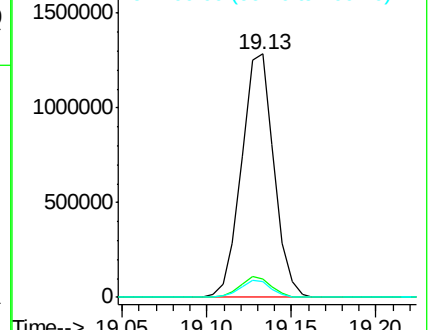
100 6.2 3.4 5.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 15.878 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM013442.D

Acq: 15 Dec 2017 17:22

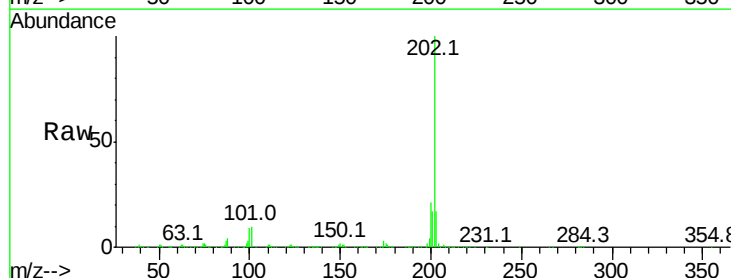
Tgt Ion:202 Resp: 1106462

Ion Ratio Lower Upper

202 100

101 10.3 5.1 7.7#

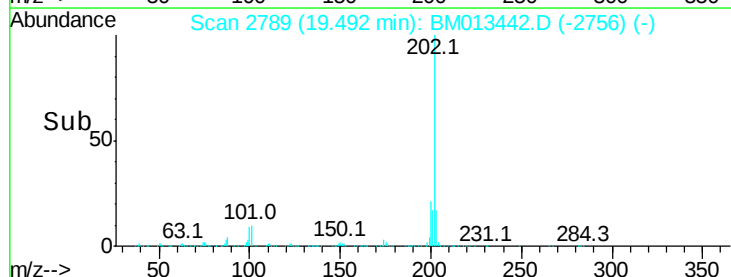
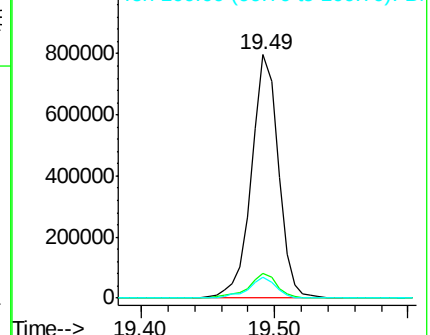
100 8.6 4.9 7.3#

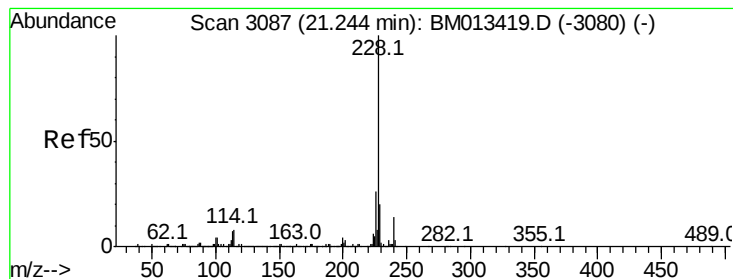


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 3.330 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BM013442.D

Acq: 15 Dec 2017 17:22

Instrument :

BNA_M

ClientSampled :

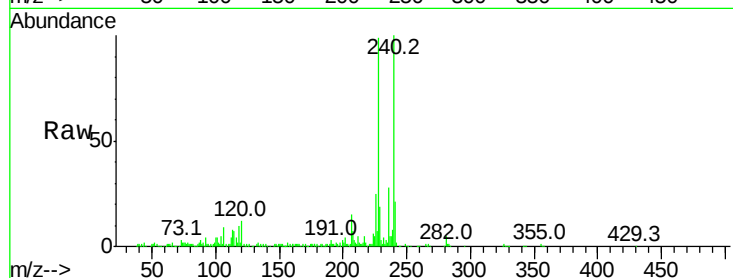
Tot Ion:228 Resp: 242340

Ion	Ratio	Lower	Upper
228	100		
229	19.3	15.4	23.0
226	25.4	21.4	32.0

228 100

229 19.3 15.4 23.0

226 25.4 21.4 32.0

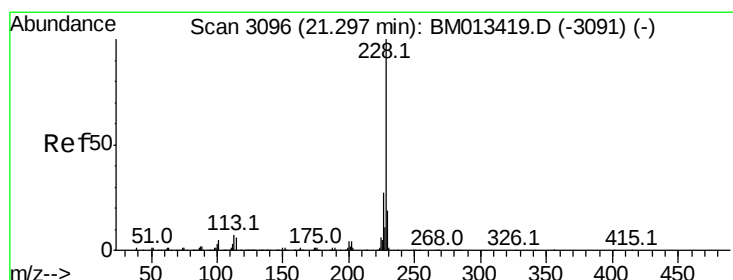
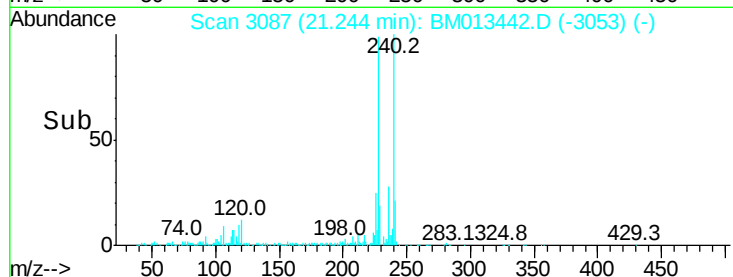
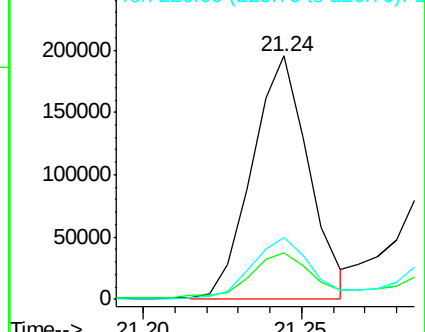


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 2.779 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM013442.D

Acq: 15 Dec 2017 17:22

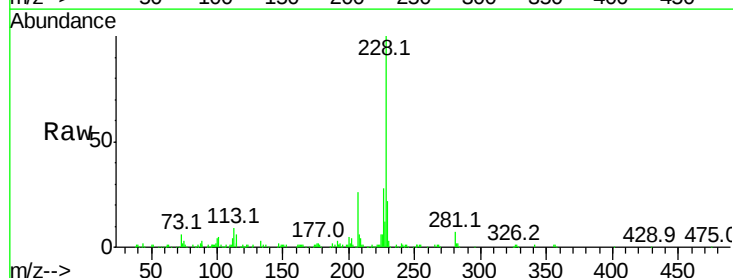
Tgt Ion:228 Resp: 187646

Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.4	35.2
229	21.5	15.5	23.3

228 100

226 27.9 23.4 35.2

229 21.5 15.5 23.3

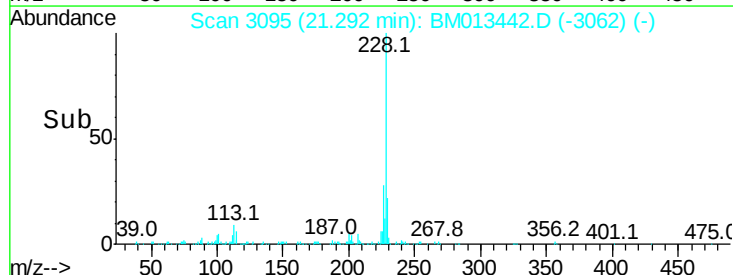
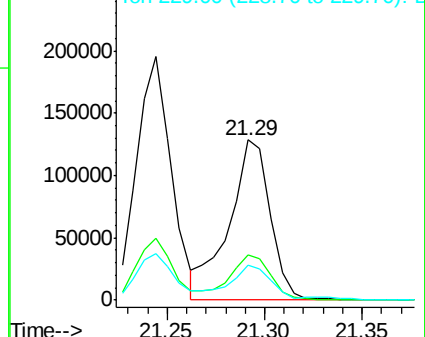


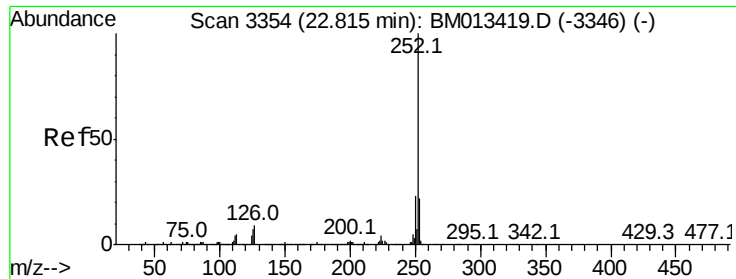
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 1.544 ng/ul

RT: 22.81 min Scan# 3354

Delta R.T. -0.01 min

Lab File: BM013442.D

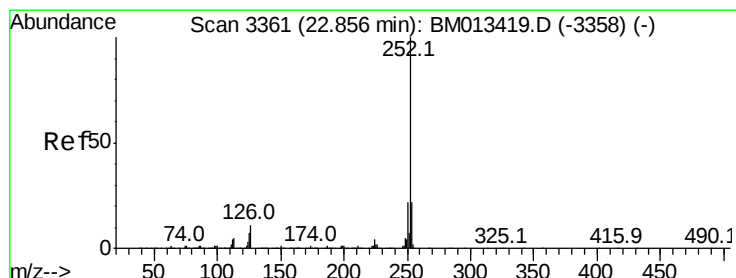
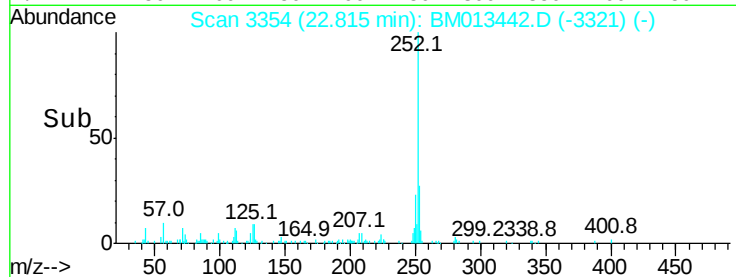
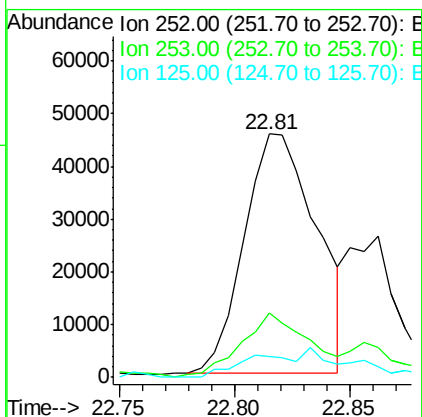
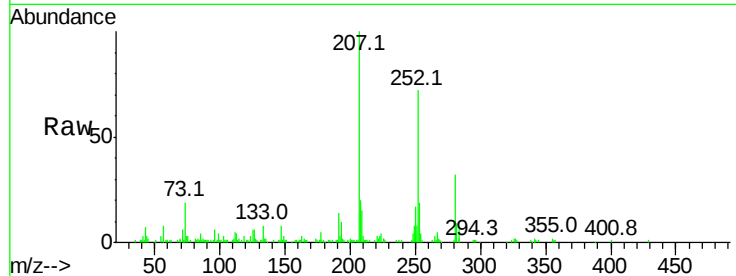
Acq: 15 Dec 2017 17:22

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	99480
Ion Ratio	Lower	Upper
252	100	
253	26.5	17.9 26.9
125	8.8	3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 1.641 ng/ul

RT: 22.81 min Scan# 3354

Delta R.T. -0.05 min

Lab File: BM013442.D

Acq: 15 Dec 2017 17:22

Tgt Ion:252	Resp:	99480
Ion Ratio	Lower	Upper
252	100	
253	26.5	17.1 25.7#
125	8.8	3.4 5.2#

