

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121417\
 Data File : BM013438.D
 Acq On : 15 Dec 2017 14:21
 Operator : SJ/JU
 Sample : I6759-11MEDL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 15 15:16:56 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	184435	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	803045	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	477097	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1118934	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1263481	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	1043956	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1274	0.34	ng/uL	0.00
5) Phenol-d5	6.86	99	24972	1.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	19181	2.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	25311	2.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	25534	1.87	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	13701	2.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	13285	1.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	24883	1.77	ng/ul	0.01
29) 4-Chloroaniline-d4	10.61	131	25326	1.96	ng/ul	0.01
43) Dimethylphthalate-d6	13.73	166	99417	2.34	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	118563	2.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	8464	1.15	ng/ul	0.01
57) Fluorene-d10	15.32	176	87979	2.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	12638	1.80	ng/ul	0.00
70) Anthracene-d10	17.17	188	136841	2.44	ng/ul	0.00
76) Pyrene-d10	19.46	212	155505	2.47	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	112076	2.11	ng/ul	0.00

Target Compounds

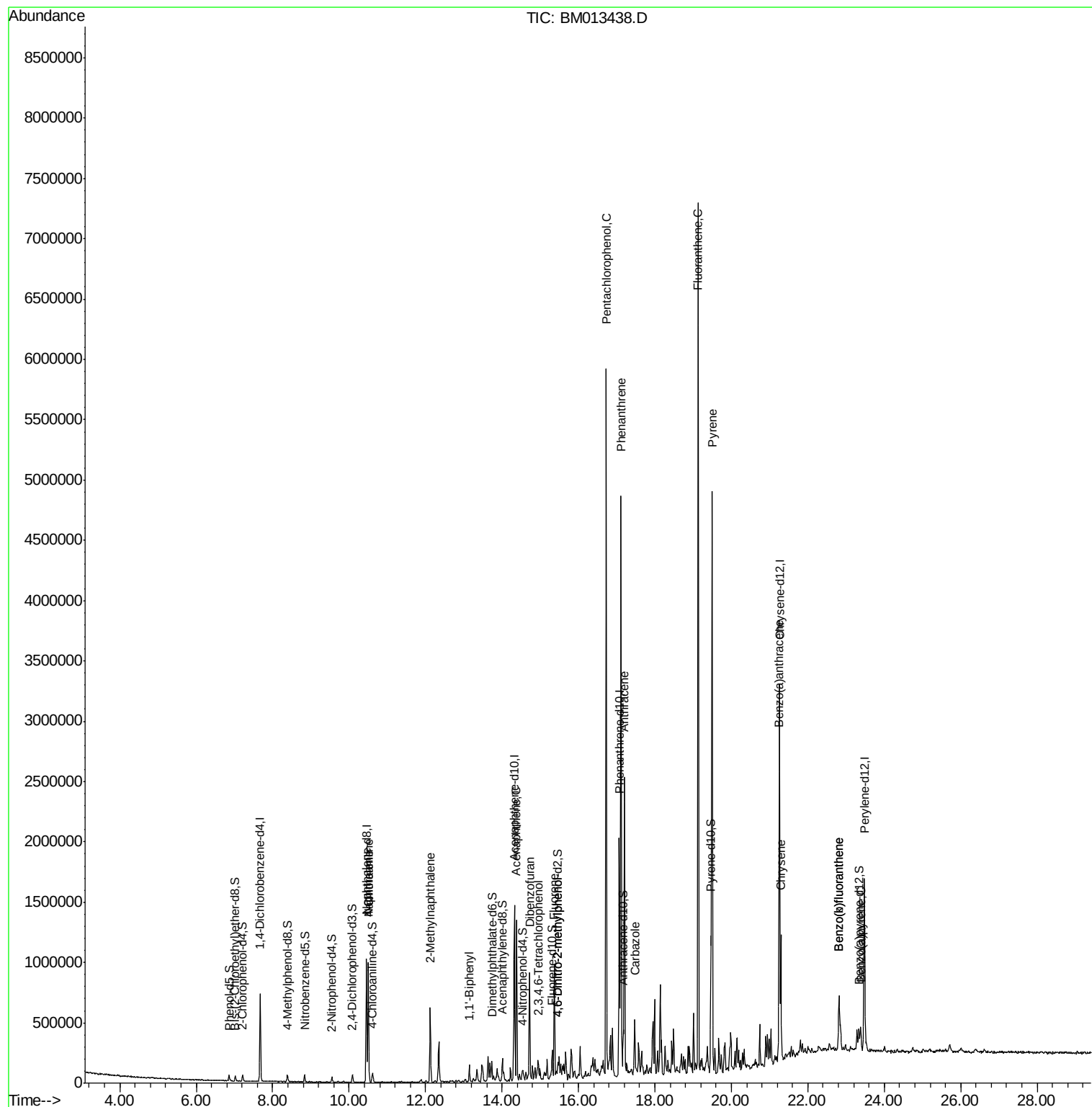
					Ovalue	
28) Naphthalene	10.50	128	768373	18.598	ng/ul	98
30) 4-Chloroaniline	10.50	127	96331	7.708	ng/ul#	22
34) 2-Methylnaphthalene	12.12	142	276050	8.888	ng/ul	92
40) 1,1'-Biphenyl	13.15	154	46561	1.155	ng/ul	100
49) Acenaphthene	14.38	153	513260	15.540	ng/ul	98
53) Dibenzofuran	14.72	168	470892	9.658	ng/ul	100
55) 2,3,4,6-Tetrachlorophenol	14.95	232	19111	1.828	ng/ul#	96
58) Fluorene	15.37	166	388125	9.622	ng/ul	97
63) 4,6-Dinitro-2-methylphenol	15.47	198	12085	1.718	ng/ul#	76
68) Pentachlorophenol	16.73	266	915322	109.101	ng/ul	99
69) Phenanthrene	17.12	178	2854853	44.910	ng/ul	98
71) Anthracene	17.20	178	1503885	23.145	ng/ul	98
72) Carbazole	17.47	167	254434	4.552	ng/ul	98
74) Fluoranthene	19.13	202	4246649	54.513	ng/ul#	93
77) Pyrene	19.50	202	2914040	37.963	ng/ul#	93
80) Benzo(a)anthracene	21.24	228	566960	7.072	ng/ul	98
82) Chrysene	21.30	228	603084	8.109	ng/ul	98
85) Benzo(b)fluoranthene	22.82	252	352624	5.011	ng/ul#	97
86) Benzo(k)fluoranthene	22.82	252	352624	5.324	ng/ul#	96
88) Benzo(a)pyrene	23.39	252	123538	1.954	ng/ul#	97

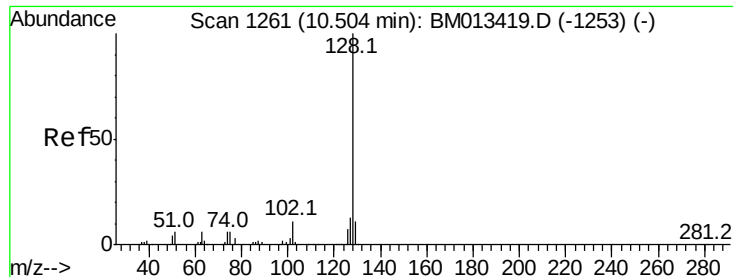
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#28

Naphthalene

Concen: 18.598 ng/ul

RT: 10.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

Instrument :

BNA_M

ClientSampleId :

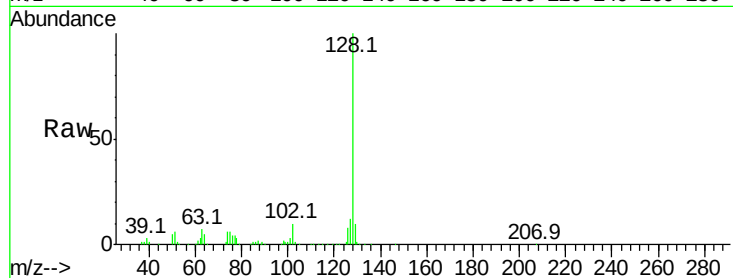
Tot Ion:128 Resp: 768373

Ion Ratio Lower Upper

128 100

129 10.1 8.8 13.2

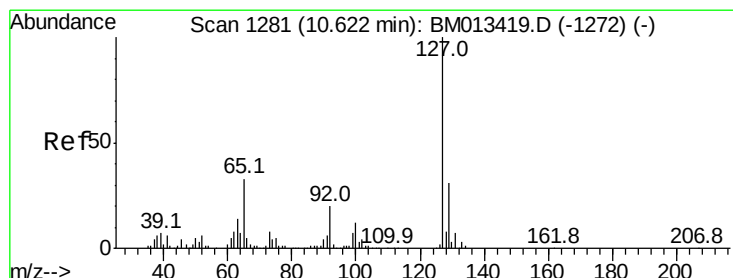
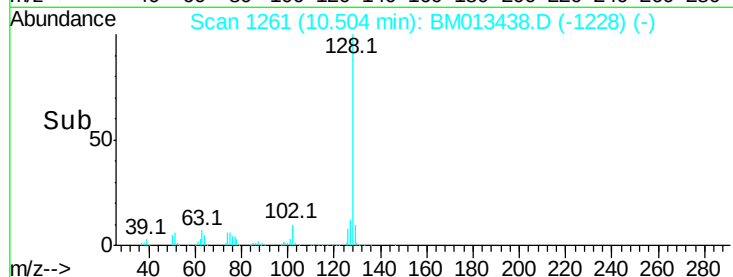
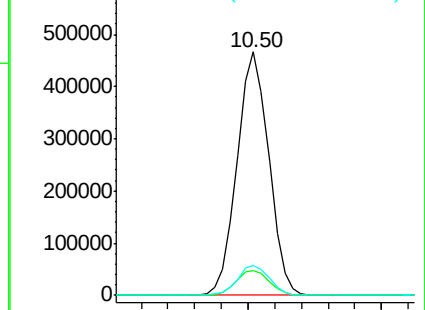
127 12.5 10.6 16.0



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



#30

4-Chloroaniline

Concen: 7.708 ng/ul

RT: 10.50 min Scan# 1261

Delta R.T. -0.12 min

Lab File: BM013438.D

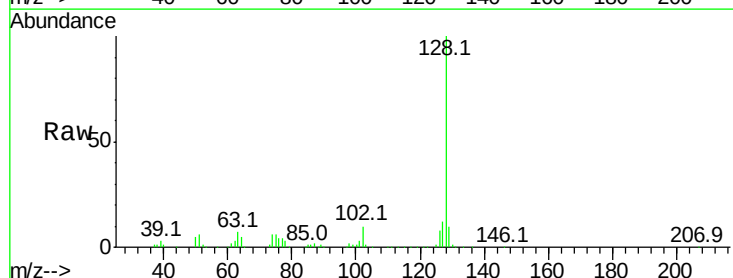
Acq: 15 Dec 2017 14:21

Tgt Ion:127 Resp: 96331

Ion Ratio Lower Upper

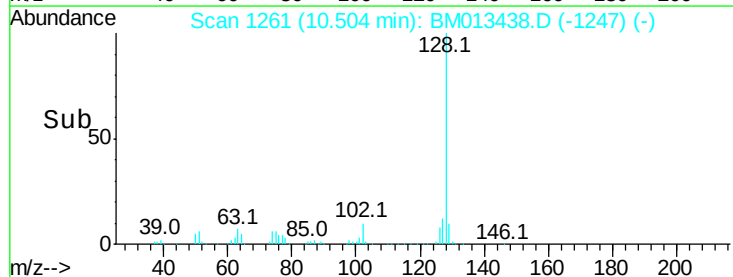
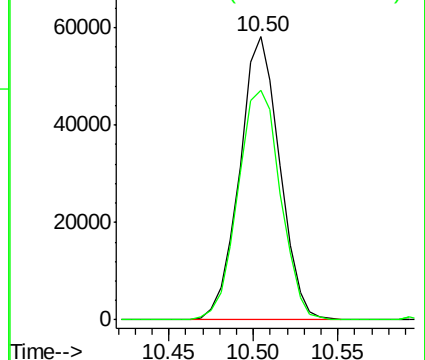
127 100

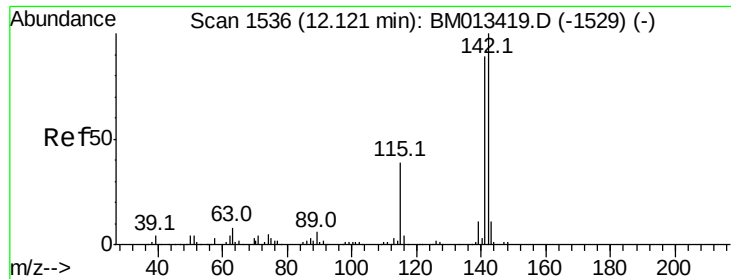
129 81.1 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

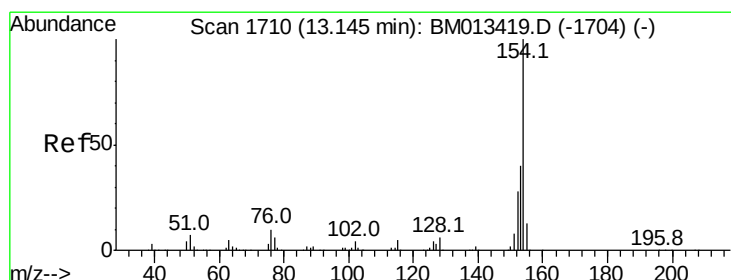
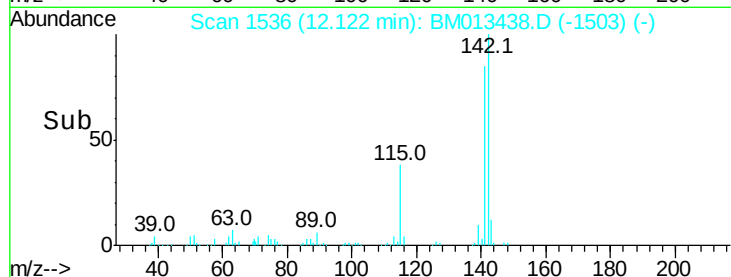
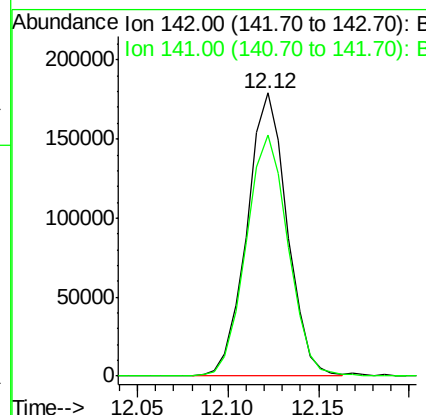
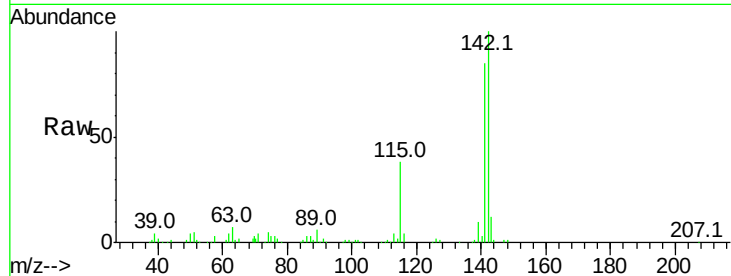




#34
 2-Methylnaphthalene
 Concen: 8.888 ng/ul
 RT: 12.12 min Scan# 1536
 Delta R.T. -0.01 min
 Lab File: BM013438.D
 Acq: 15 Dec 2017 14:21

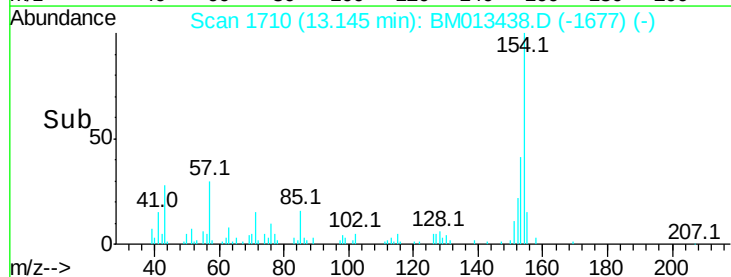
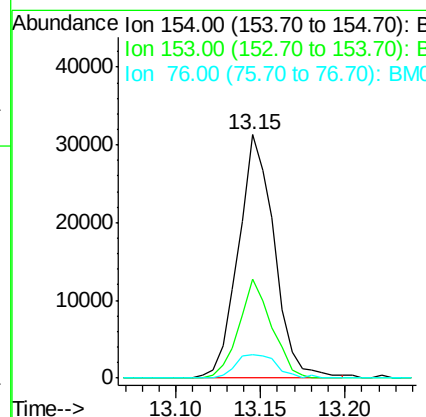
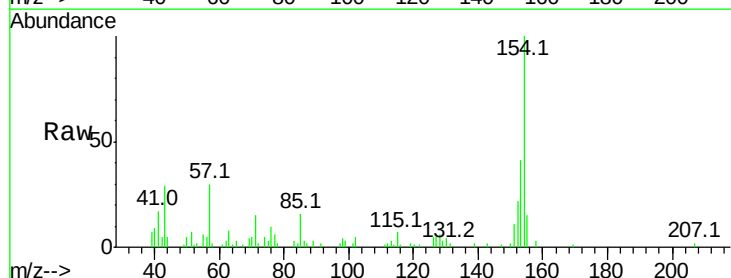
Instrument :
 BNA_M
 ClientSampleId :

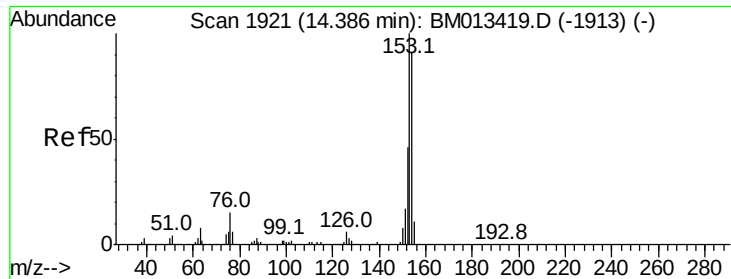
Tot Ion:142 Resp: 276050
 Ion Ratio Lower Upper
 142 100
 141 85.3 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 1.155 ng/ul
 RT: 13.15 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BM013438.D
 Acq: 15 Dec 2017 14:21

Tgt Ion:154 Resp: 46561
 Ion Ratio Lower Upper
 154 100
 153 40.6 32.6 48.8
 76 9.9 8.5 12.7





#49

Acenaphthene

Concen: 15.540 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.01 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

Instrument :

BNA_M

ClientSampleId :

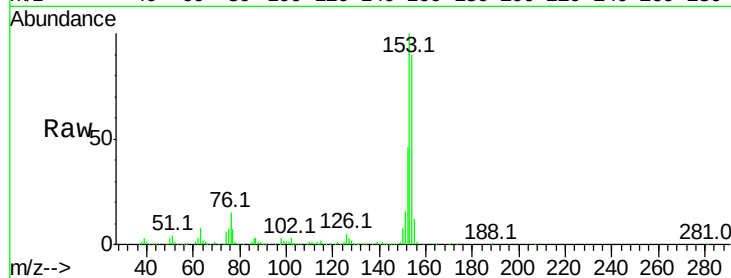
Tot Ion:153 Resp: 513260

Ion Ratio Lower Upper

153 100

152 46.2 37.6 56.4

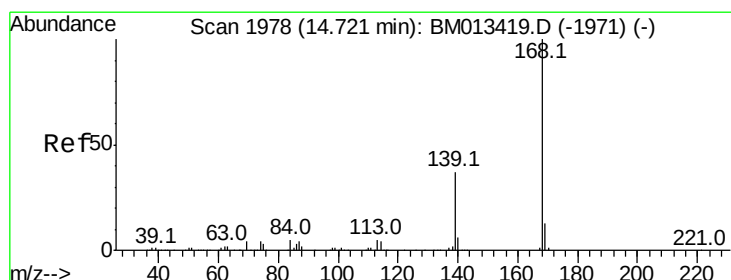
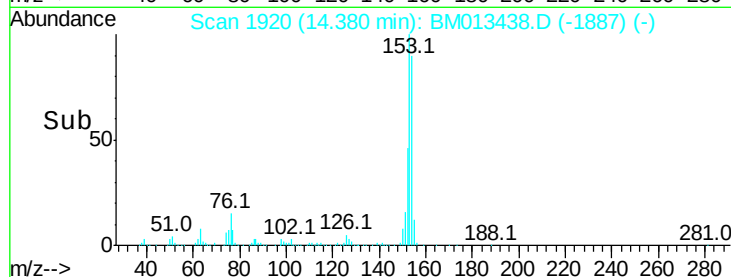
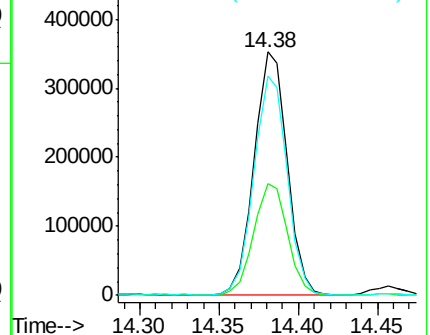
154 90.1 70.4 105.6



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: 9.658 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM013438.D

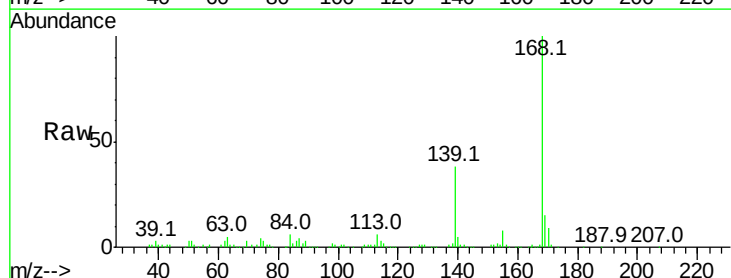
Acq: 15 Dec 2017 14:21

Tgt Ion:168 Resp: 470892

Ion Ratio Lower Upper

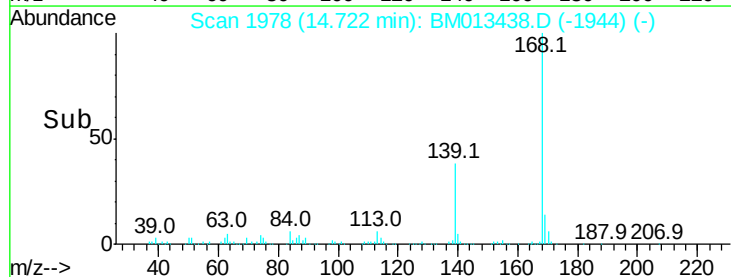
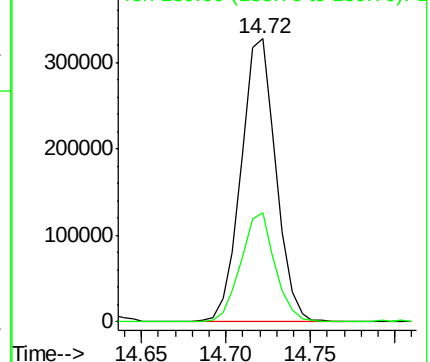
168 100

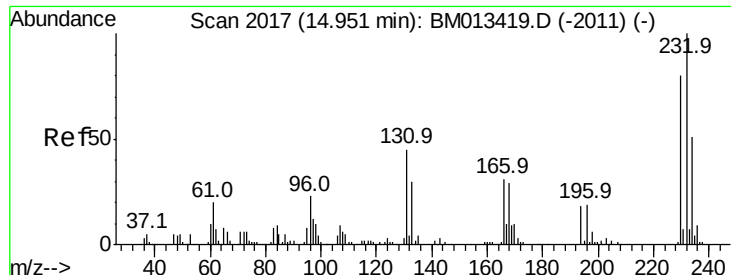
139 38.4 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

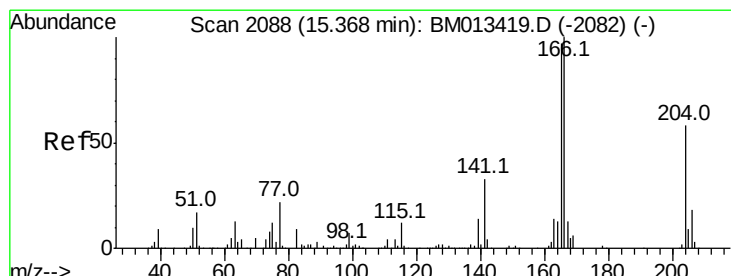
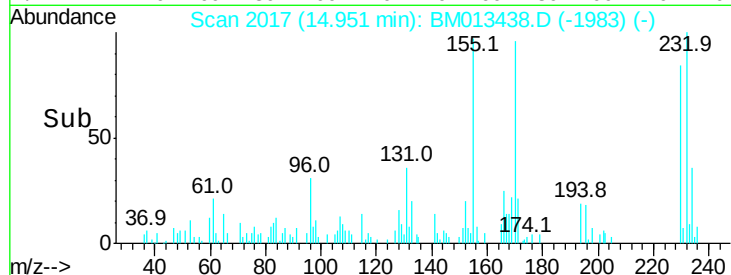
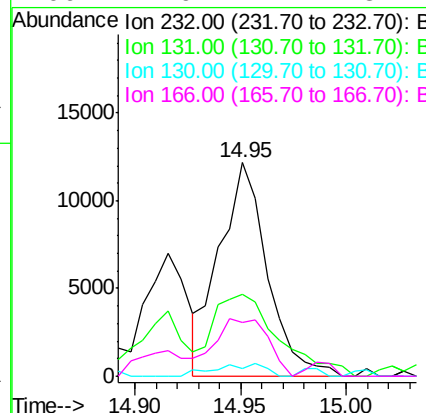
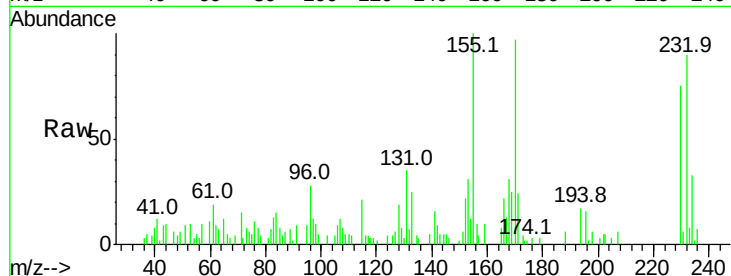




#55
 2,3,4,6-Tetrachlorophenol
 Concen: 1.828 ng/ul
 RT: 14.95 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BM013438.D
 Acq: 15 Dec 2017 14:21

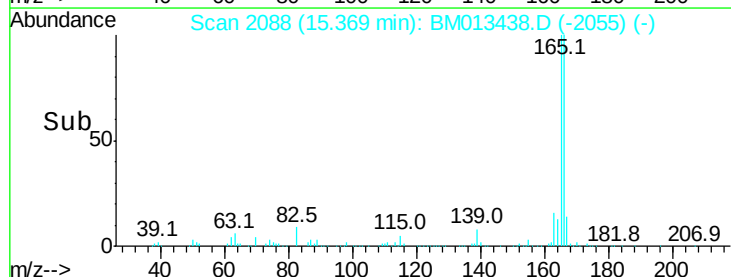
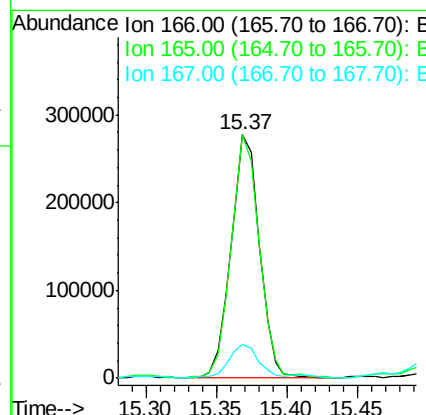
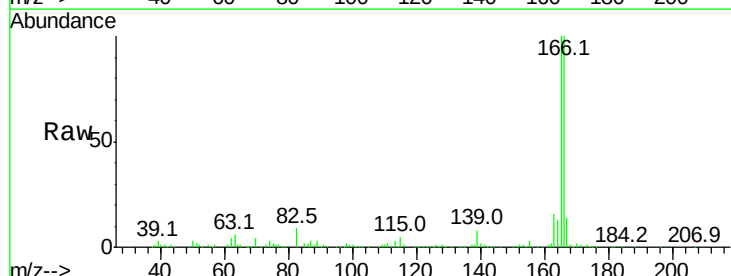
Instrument :
 BNA_M
 ClientSampleId :

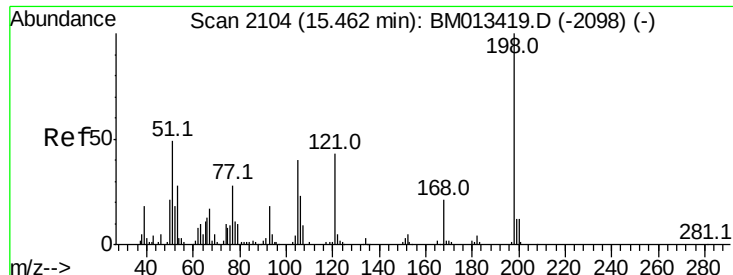
Tot Ion:232 Resp: 19111
 Ion Ratio Lower Upper
 232 100
 131 38.6 29.0 43.4
 130 3.5 2.0 3.0#
 166 24.9 21.4 32.2



#58
 Fluorene
 Concen: 9.622 ng/ul
 RT: 15.37 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: BM013438.D
 Acq: 15 Dec 2017 14:21

Tgt Ion:166 Resp: 388125
 Ion Ratio Lower Upper
 166 100
 165 100.1 77.9 116.9
 167 13.8 10.6 16.0

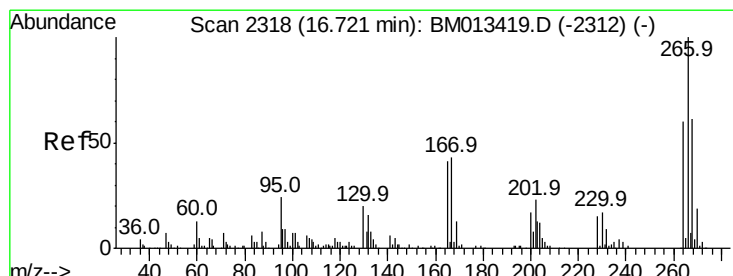
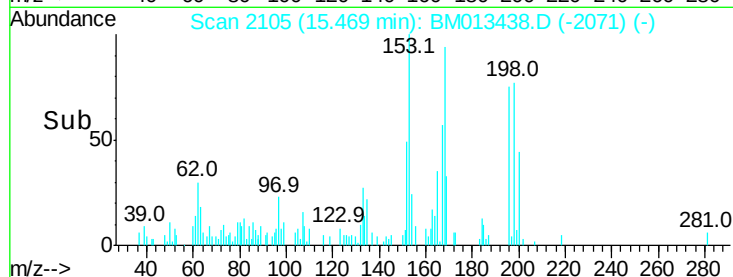
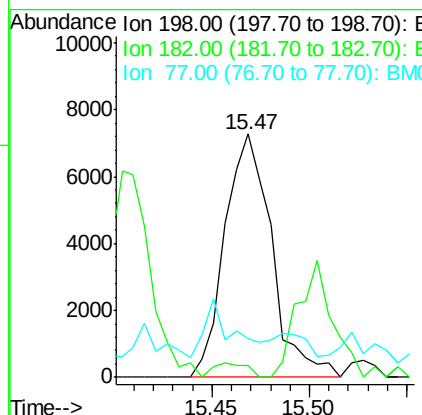
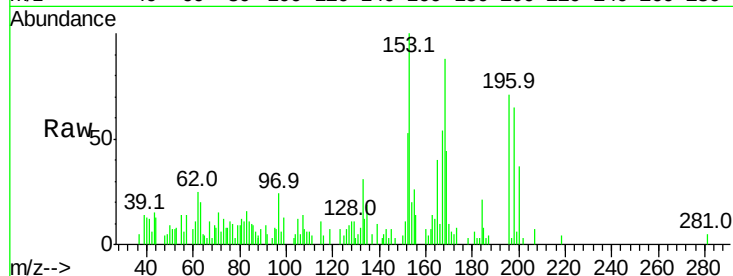




#63
 4,6-Dinitro-2-methylphenol
 Concen: 1.718 ng/ul
 RT: 15.47 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: BM013438.D
 Acq: 15 Dec 2017 14:21

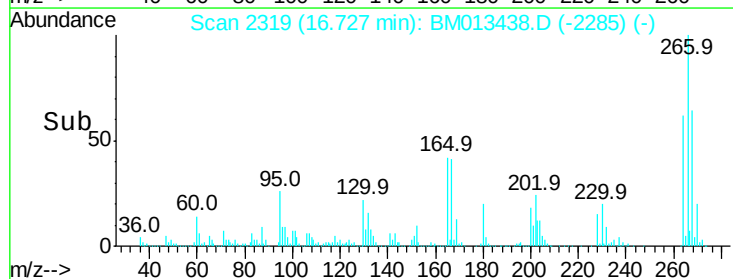
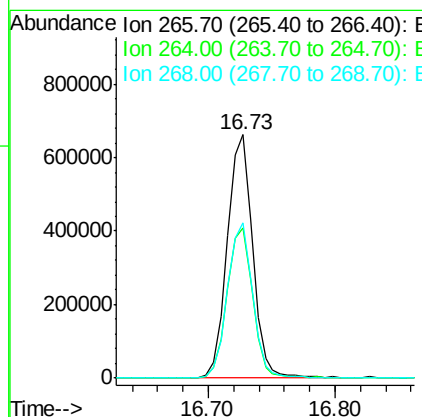
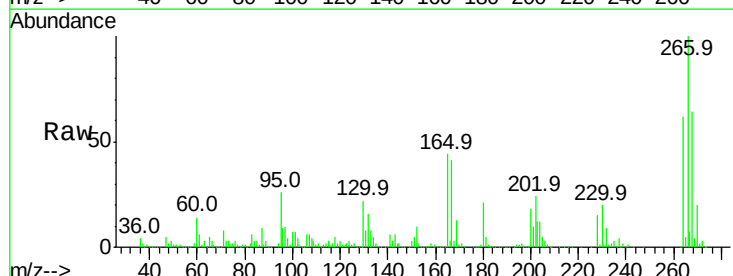
Instrument :
 BNA_M
 ClientSampled :

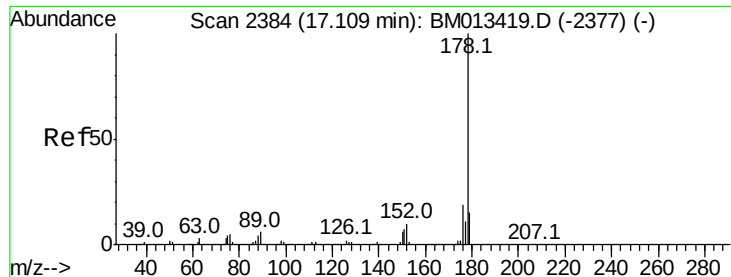
Tot Ion:198 Resp: 12085
 Ion Ratio Lower Upper
 198 100
 182 5.0 3.8 5.6
 77 16.0 25.2 37.8#



#68
 Pentachlorophenol
 Concen: 109.101 ng/ul
 RT: 16.73 min Scan# 2319
 Delta R.T. 0.00 min
 Lab File: BM013438.D
 Acq: 15 Dec 2017 14:21

Tgt Ion:266 Resp: 915322
 Ion Ratio Lower Upper
 266 100
 264 61.9 49.3 73.9
 268 63.7 52.6 78.8





#69

Phenanthrene

Concen: 44.910 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. 0.00 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

Instrument :

BNA_M

ClientSampleId :

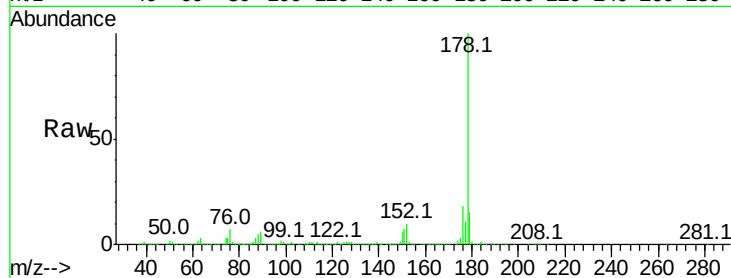
Tot Ion:178 Resp: 2854853

Ion Ratio Lower Upper

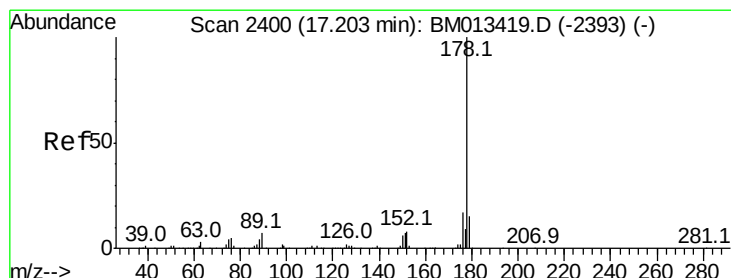
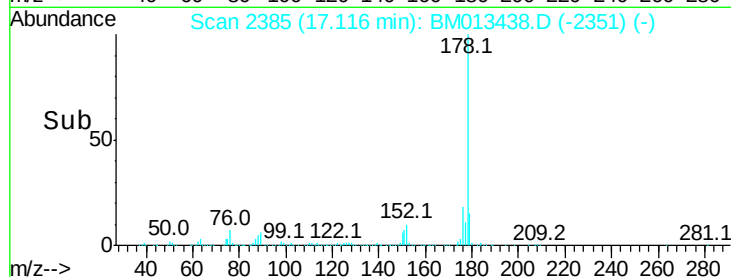
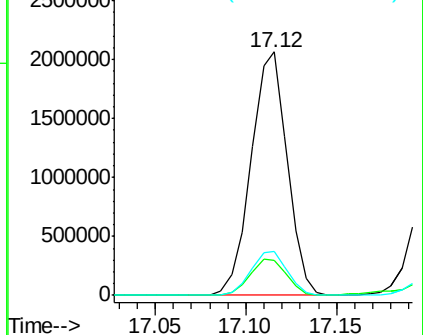
178 100

179 14.6 12.6 19.0

176 18.3 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: 23.145 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

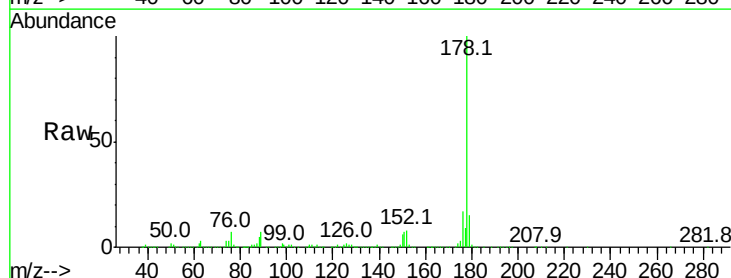
Tgt Ion:178 Resp: 1503885

Ion Ratio Lower Upper

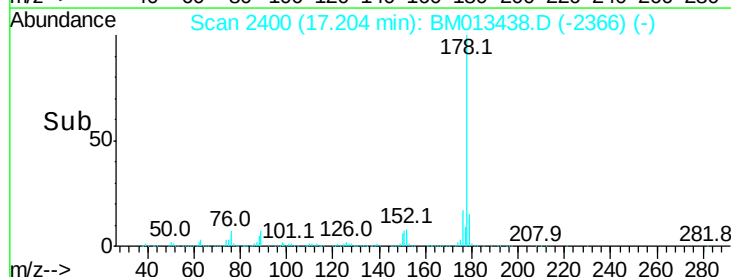
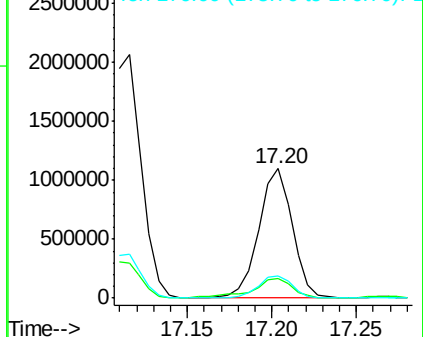
178 100

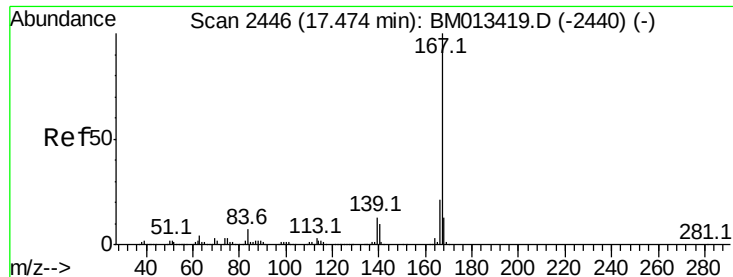
179 15.3 11.7 17.5

176 16.9 14.6 21.8



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





#72

Carbazole

Concen: 4.552 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

Instrument :

BNA_M

ClientSampled :

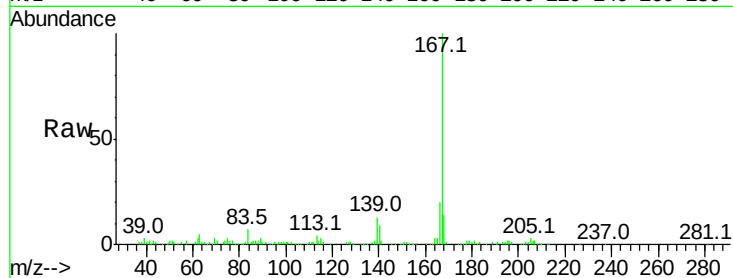
Tot Ion:167 Resp: 254434

Ion Ratio Lower Upper

167 100

166 20.2 17.1 25.7

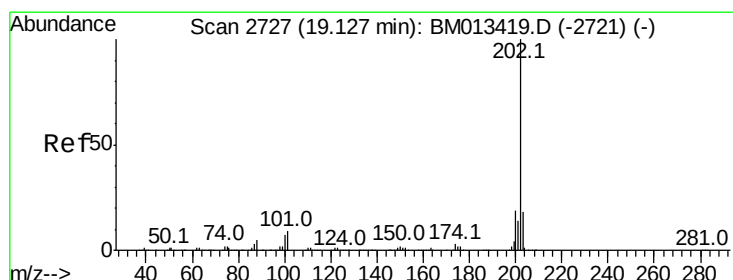
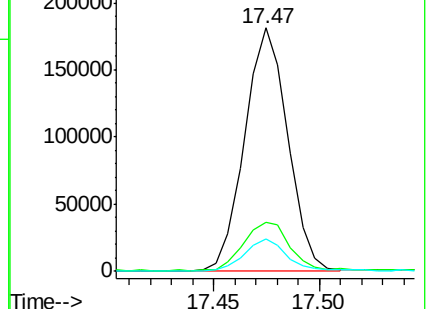
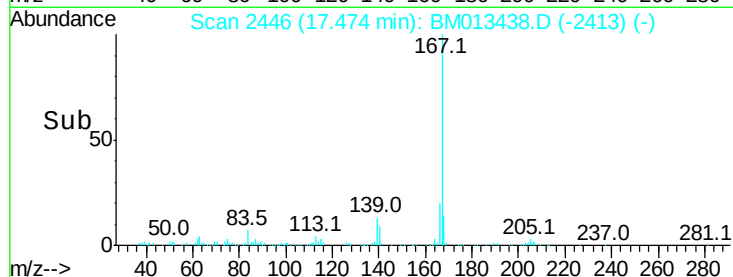
139 13.2 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 54.513 ng/ul

RT: 19.13 min Scan# 2728

Delta R.T. 0.00 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

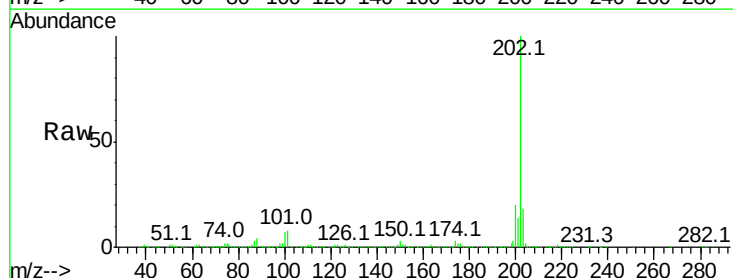
Tgt Ion:202 Resp: 4246649

Ion Ratio Lower Upper

202 100

101 8.4 4.6 7.0#

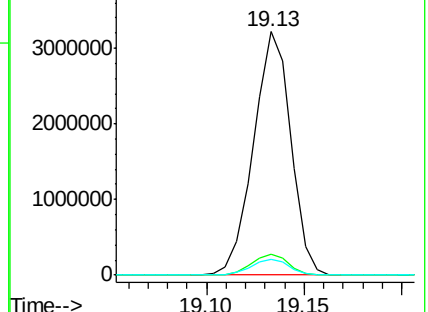
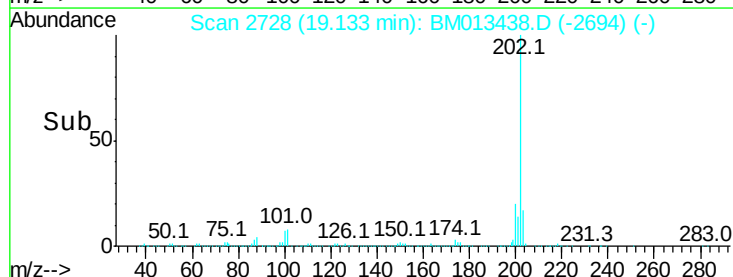
100 6.6 3.4 5.2#

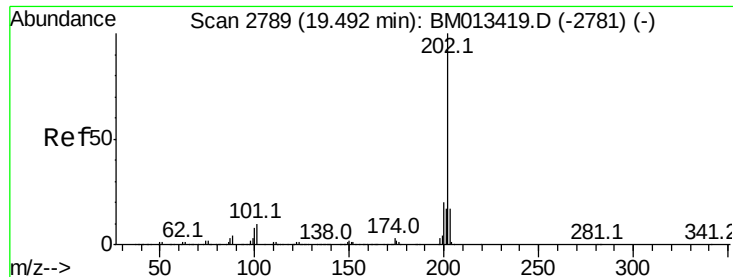


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 37.963 ng/ul

RT: 19.50 min Scan# 2790

Delta R.T. 0.00 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

Instrument :

BNA_M

ClientSampleId :

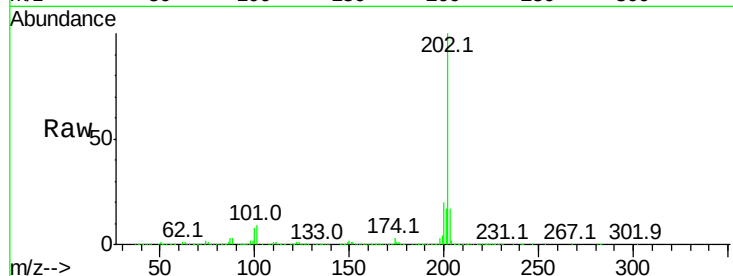
Tot Ion:202 Resp: 2914040

Ion Ratio Lower Upper

202 100

101 9.1 5.1 7.7#

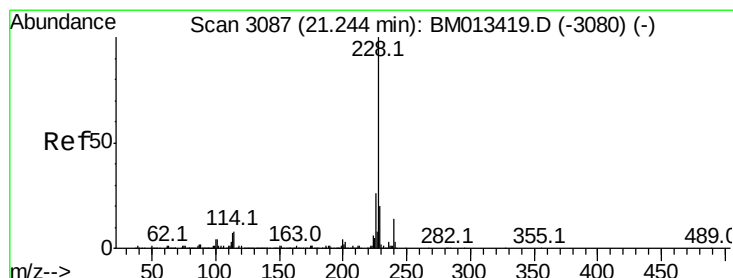
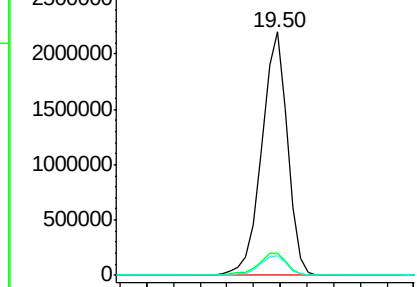
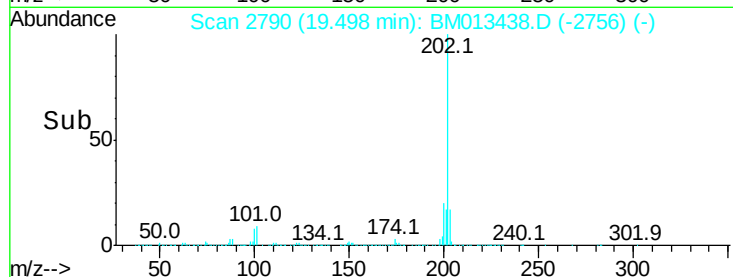
100 8.1 4.9 7.3#



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: 7.072 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. 0.00 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

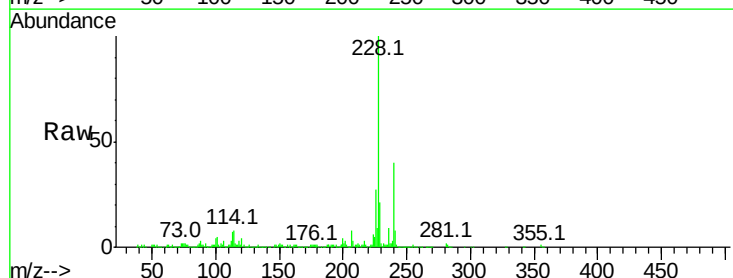
Tgt Ion:228 Resp: 566960

Ion Ratio Lower Upper

228 100

229 21.0 15.4 23.0

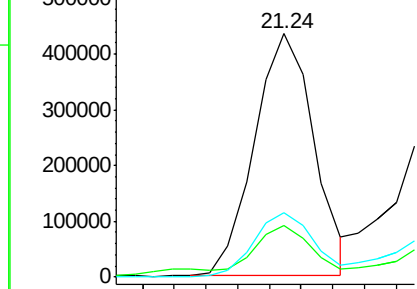
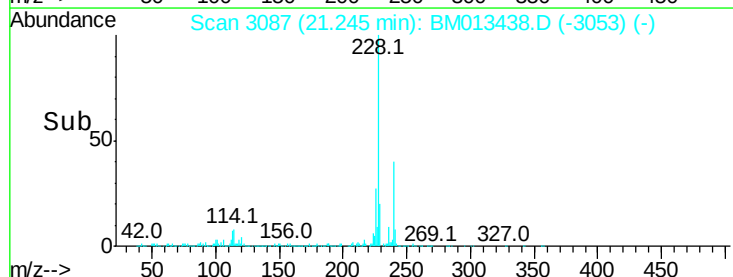
226 26.6 21.4 32.0

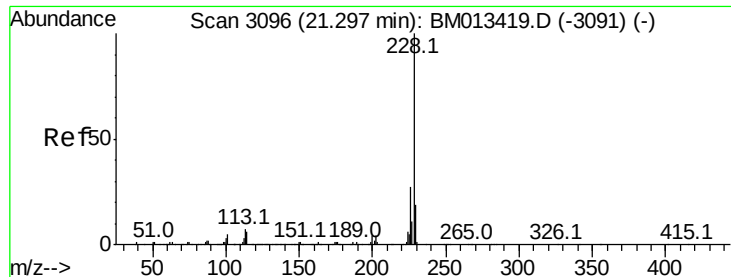


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 8.109 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

Instrument :

BNA_M

ClientSampled :

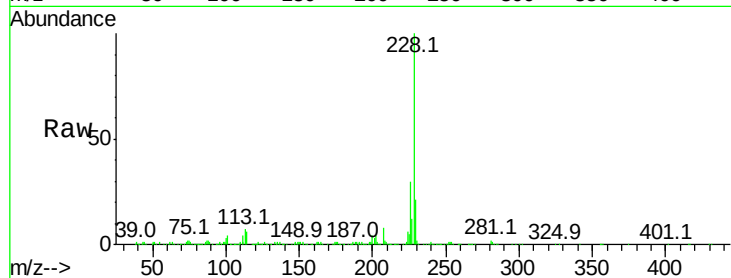
Tot Ion:228 Resp: 603084

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

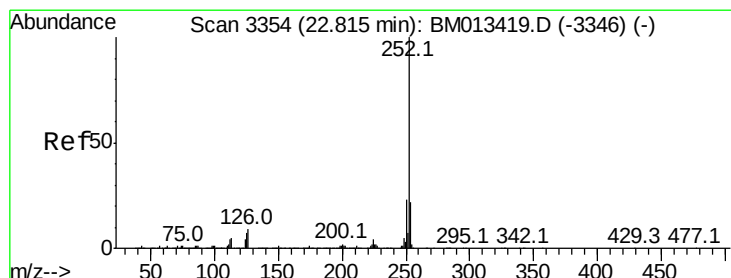
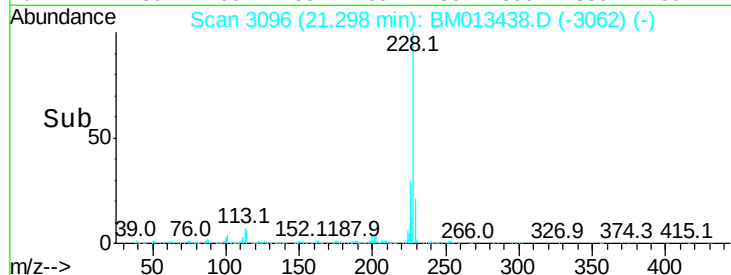
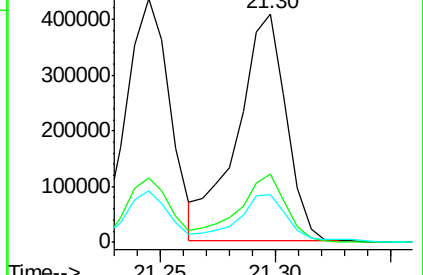
229 20.7 15.5 23.3



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: 5.011 ng/ul

RT: 22.82 min Scan# 3354

Delta R.T. -0.01 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

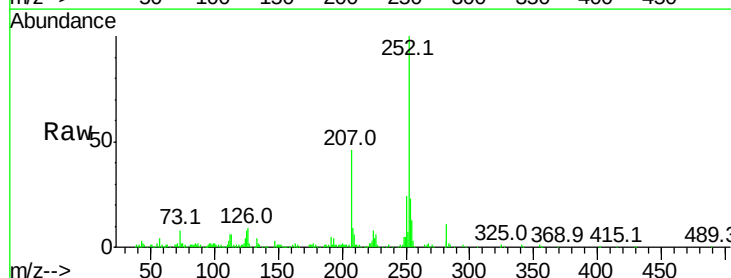
Tgt Ion:252 Resp: 352624

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

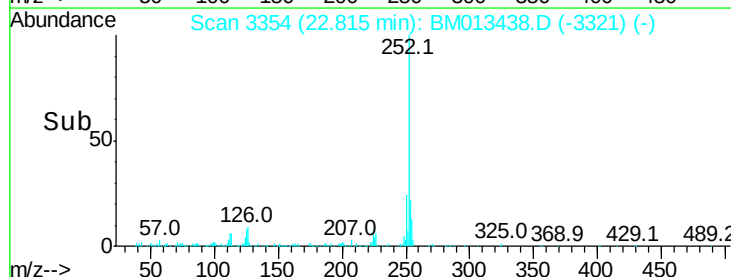
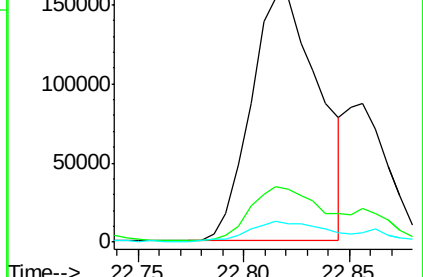
125 8.5 3.6 5.4#

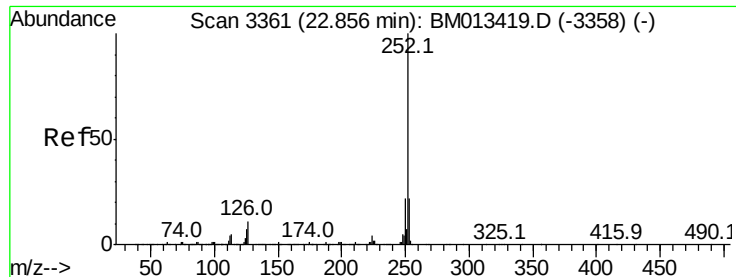


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

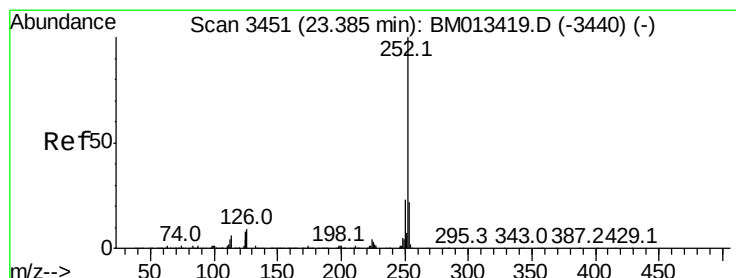
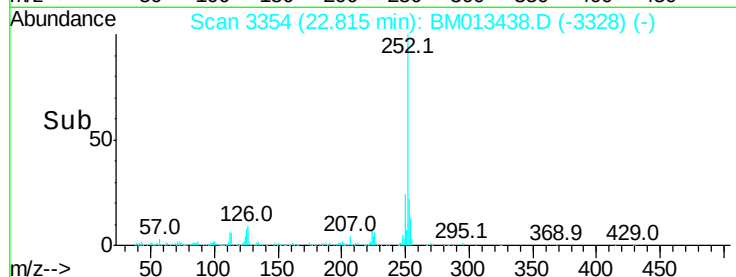
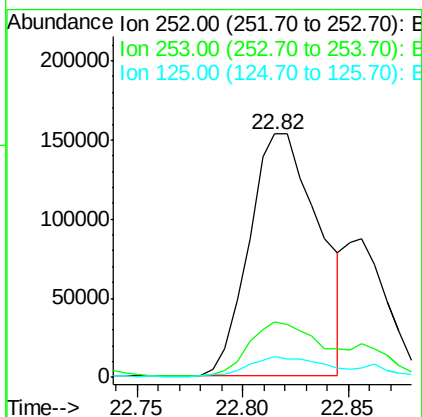
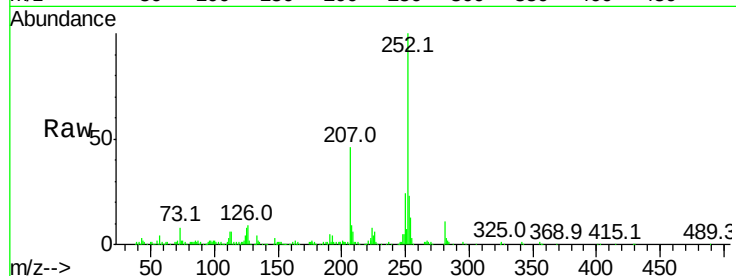




#86
Benzo(k)fluoranthene
Concen: 5.324 ng/ul
RT: 22.82 min Scan# 3354
Delta R.T. -0.05 min
Lab File: BM013438.D
Acq: 15 Dec 2017 14:21

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	8.5	3.4	5.2#



#88
Benzo(a)pyrene
Concen: 1.954 ng/ul
RT: 23.39 min Scan# 3451
Delta R.T. 0.00 min
Lab File: BM013438.D
Acq: 15 Dec 2017 14:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	8.6	4.0	6.0#

