

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012418\
 Data File : BM013779.D
 Acq On : 24 Jan 2018 21:49
 Operator : SJ/JU
 Sample : J1223-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 25 00:36:52 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 25 00:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	126326	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	488378	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.25	164	283698	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	648984	20.00	ng/ul	0.00
75) Chrysene-d12	21.20	240	736756	20.00	ng/ul	0.00
83) Perylene-d12	23.40	264	749577	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	11845	3.71	ng/uL	0.00
5) Phenol-d5	6.78	99	274844	28.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	159636	27.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	228537	28.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	226494	30.38	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	108776	28.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	122200	30.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	234304	30.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	273941	40.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	679969	29.08	ng/ul	0.00
46) Acenaphthylene-d8	13.94	160	859374	28.82	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	101424	26.69	ng/ul	0.00
57) Fluorene-d10	15.25	176	596890	29.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	97199	24.88	ng/ul	0.00
70) Anthracene-d10	17.10	188	939025	29.71	ng/ul	0.00
76) Pyrene-d10	19.40	212	1082796	31.57	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.26	264	1089279	31.62	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	6.80	94	55956	5.753	ng/ul 87
28) Naphthalene	10.42	128	862526	35.500	ng/ul 98
30) 4-Chloroaniline	10.42	127	112505	16.905	ng/ul# 12
32) Caprolactam	11.29	113	2628	1.267	ng/ul# 31
34) 2-Methylnaphthalene	12.05	142	594011	32.792	ng/ul 92
40) 1,1'-Biphenyl	13.07	154	203988	8.638	ng/ul 96
44) Dimethylphthalate	13.72	163	283537	12.333	ng/ul 96
49) Acenaphthene	14.31	153	931519	49.302	ng/ul 98
53) Dibenzofuran	14.65	168	868913	30.570	ng/ul 97
55) 2,3,4,6-Tetrachlorophenol	14.88	232	88081	14.790	ng/ul# 90
58) Fluorene	15.30	166	686192	29.471	ng/ul 98
68) Pentachlorophenol	16.66	266	1189748	271.356	ng/ul 98
69) Phenanthrene	17.04	178	3116824	86.400	ng/ul 99
71) Anthracene	17.13	178	421047	11.316	ng/ul 97
72) Carbazole	17.41	167	301487	9.816	ng/ul 97
74) Fluoranthene	19.07	202	1734713	40.285	ng/ul# 94
77) Pyrene	19.43	202	1169661	26.115	ng/ul# 94
80) Benzo(a)anthracene	21.19	228	201632	4.529	ng/ul 99
82) Chrysene	21.24	228	155823	3.815	ng/ul 96
85) Benzo(b)fluoranthene	22.74	252	82167	1.785	ng/ul# 91
86) Benzo(k)fluoranthene	22.74	252	82167	1.847	ng/ul# 89

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 25 00:32:09 2018
Response via : Initial Calibration

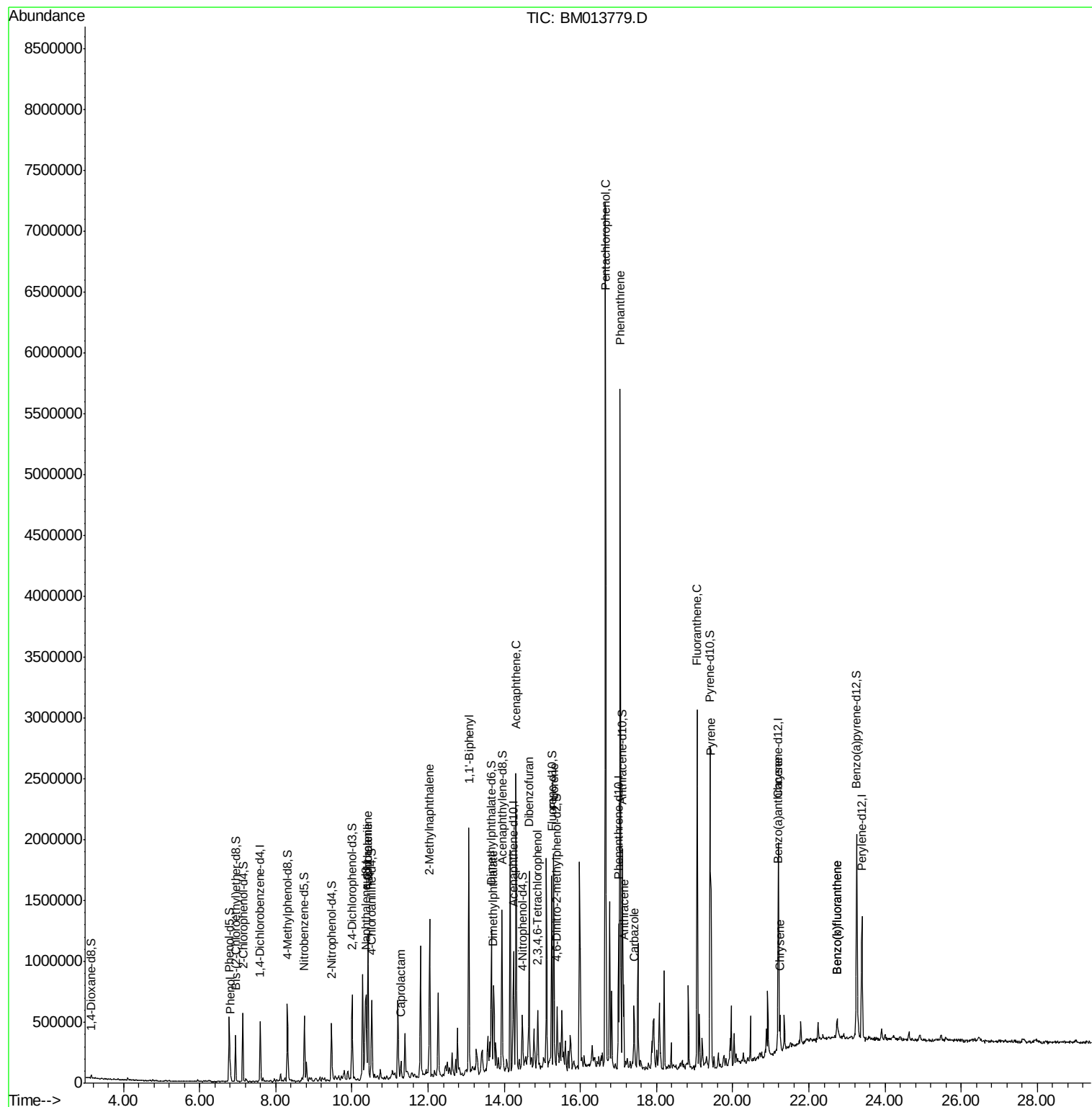
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

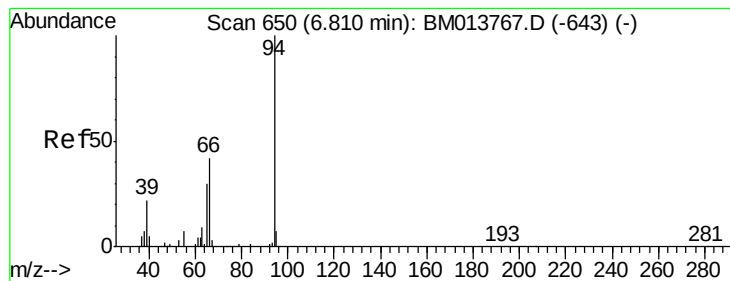
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#6

Phenol

Concen: 5.753 ng/ul

RT: 6.80 min Scan# 649

Delta R.T. -0.01 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Instrument :

BNA_M

ClientSampled :

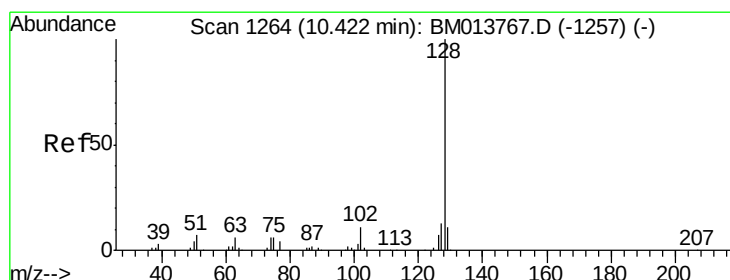
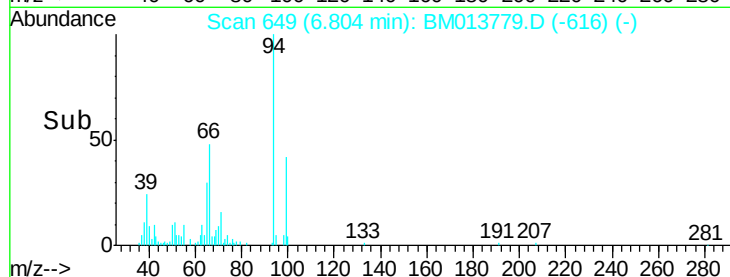
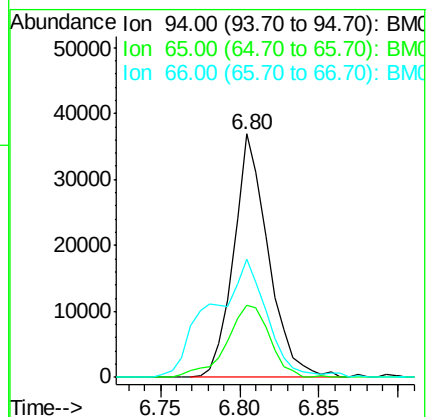
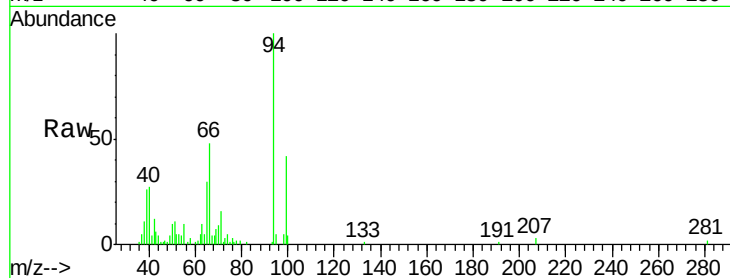
Tot Ion: 94 Resp: 55956

Ion Ratio Lower Upper

94 100

65 29.5 28.2 42.4

66 48.4 47.2 70.8



#28

Naphthalene

Concen: 35.500 ng/ul

RT: 10.42 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

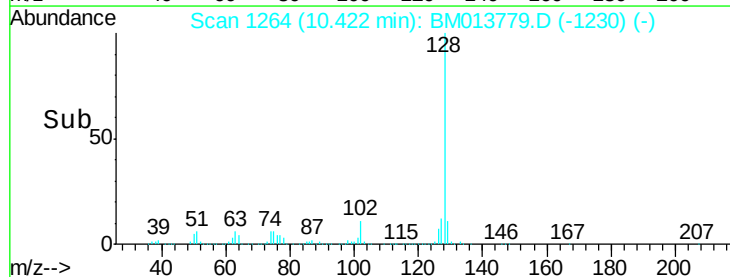
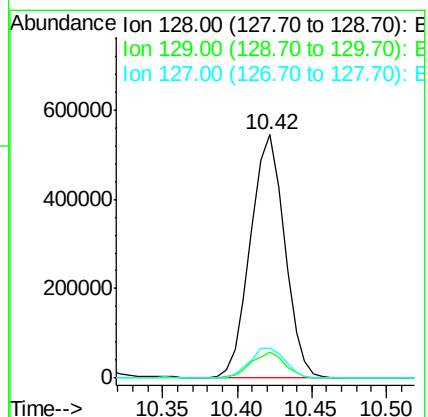
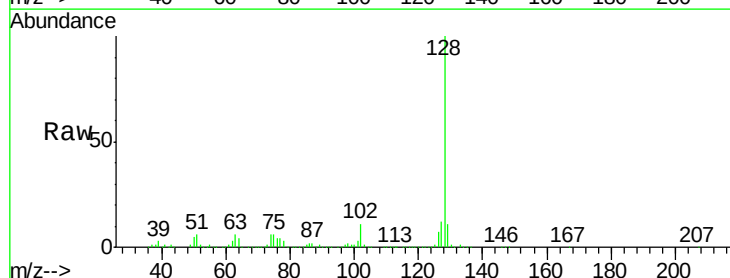
Tgt Ion: 128 Resp: 862526

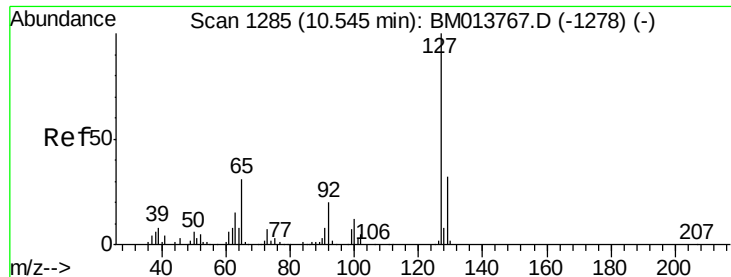
Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 12.4 10.6 16.0

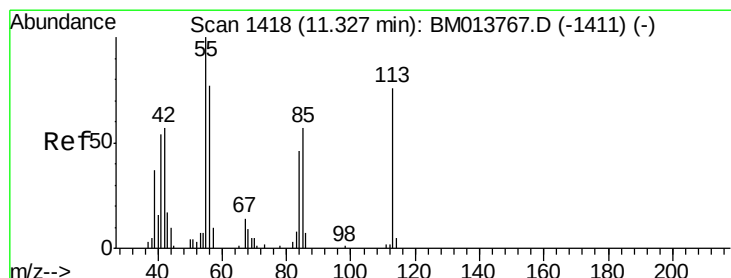
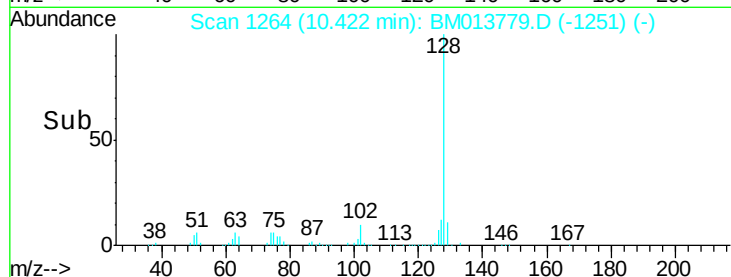
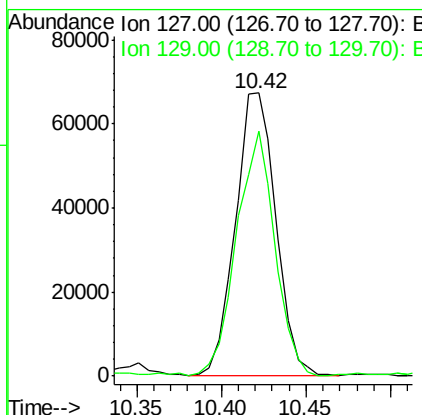
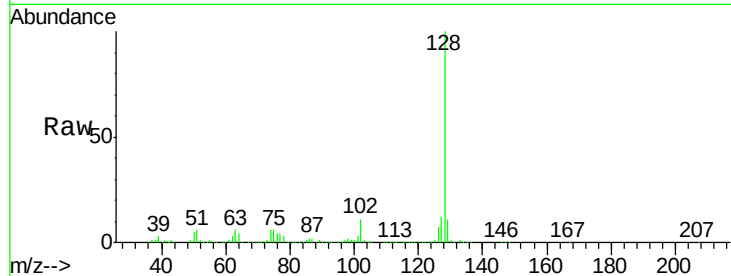




#30
4-Chloroaniline
Concen: 16.905 ng/ul
RT: 10.42 min Scan# 1264
Delta R.T. -0.12 min
Lab File: BM013779.D
Acq: 24 Jan 2018 21:49

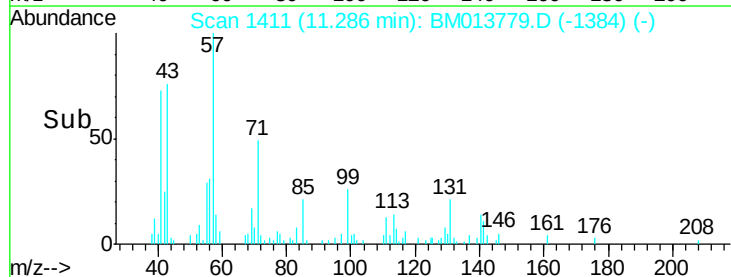
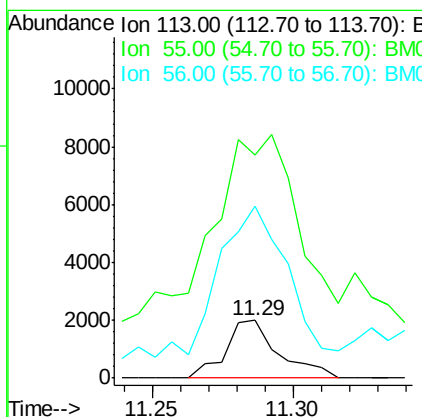
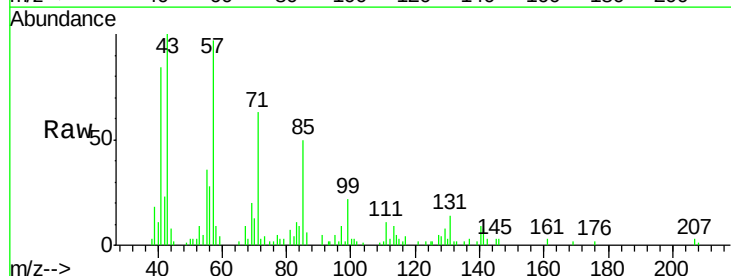
Instrument :
BNA_M
ClientSampleId :

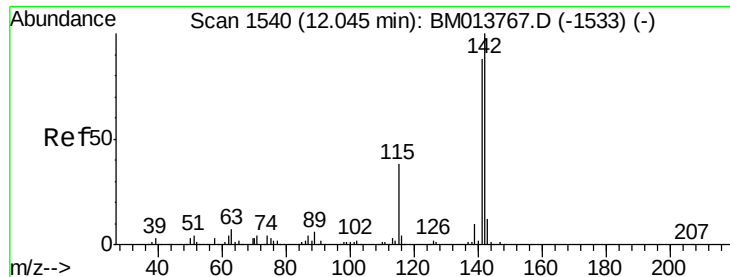
Tot Ion:127 Resp: 112505
Ion Ratio Lower Upper
127 100
129 86.7 28.4 42.6#



#32
Caprolactam
Concen: 1.267 ng/ul
RT: 11.29 min Scan# 1411
Delta R.T. -0.04 min
Lab File: BM013779.D
Acq: 24 Jan 2018 21:49

Tgt Ion:113 Resp: 2628
Ion Ratio Lower Upper
113 100
55 388.0 208.0 312.0#
56 299.3 160.0 240.0#

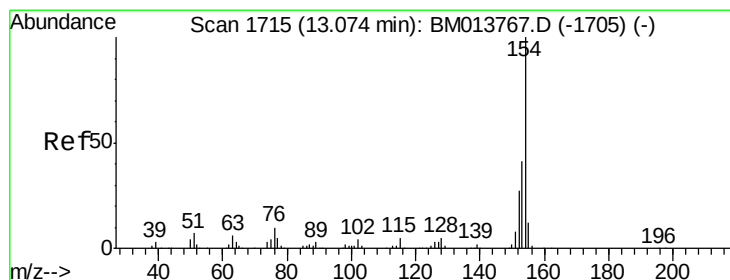
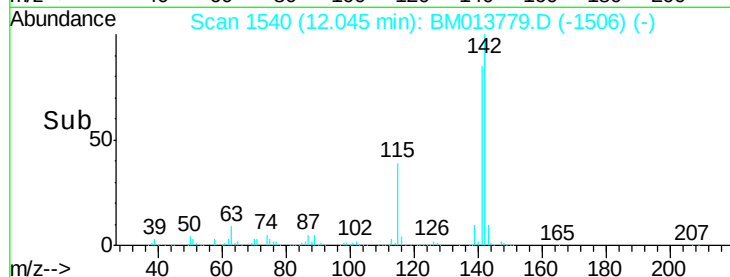
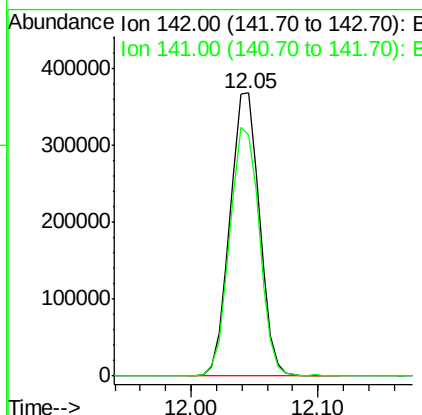
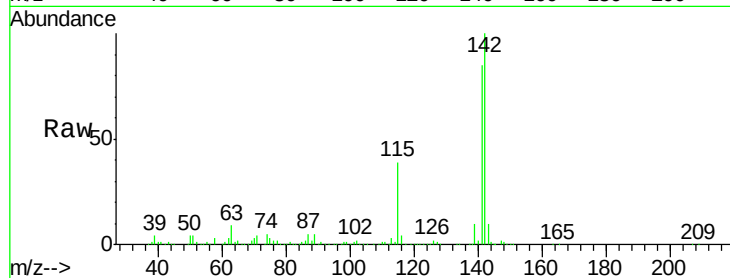




#34
 2-Methylnaphthalene
 Concen: 32.792 ng/ul
 RT: 12.05 min Scan# 1540
 Delta R.T. 0.00 min
 Lab File: BM013779.D
 Acq: 24 Jan 2018 21:49

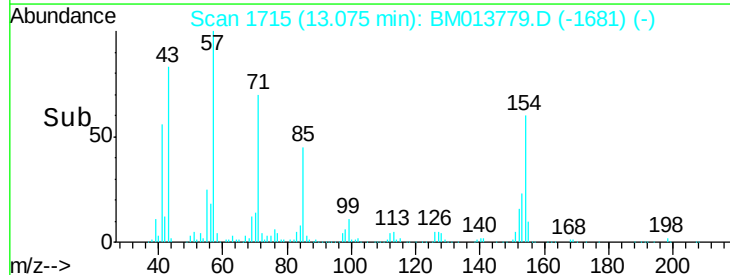
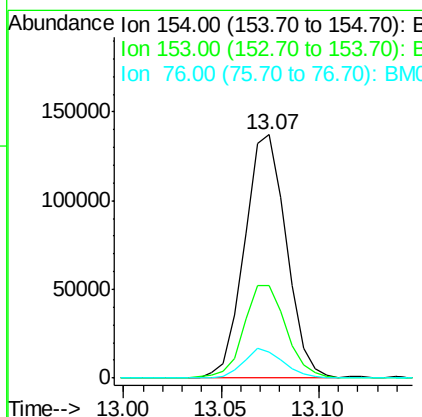
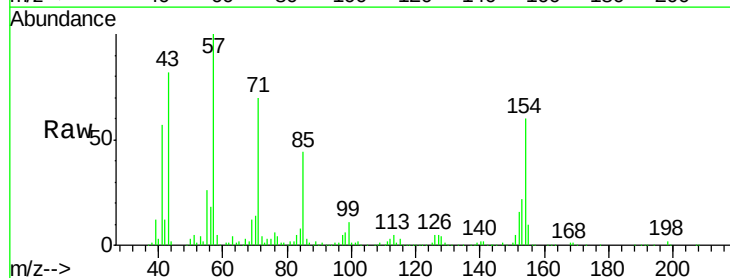
Instrument :
 BNA_M
 ClientSampled :

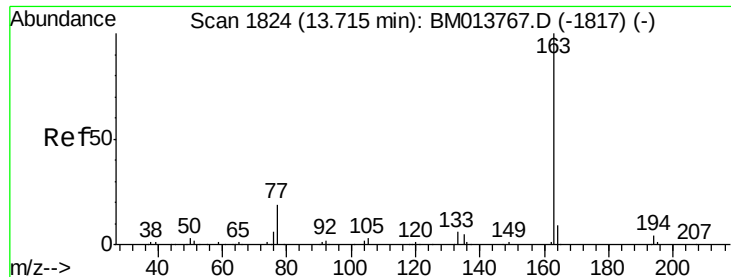
Tot Ion:142 Resp: 594011
 Ion Ratio Lower Upper
 142 100
 141 85.3 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 8.638 ng/ul
 RT: 13.07 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: BM013779.D
 Acq: 24 Jan 2018 21:49

Tgt Ion:154 Resp: 203988
 Ion Ratio Lower Upper
 154 100
 153 37.8 32.6 48.8
 76 10.9 8.5 12.7

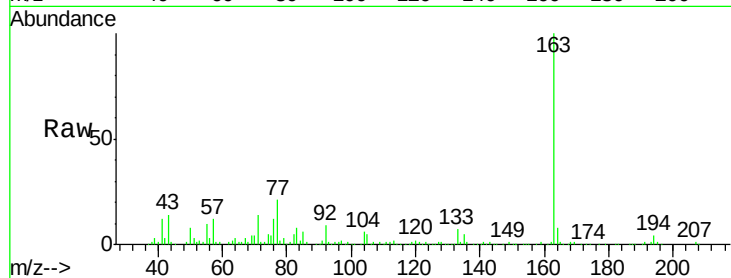




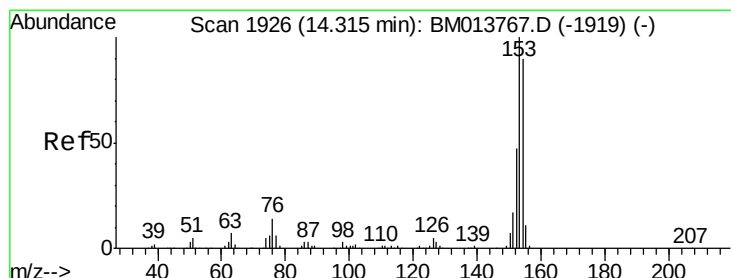
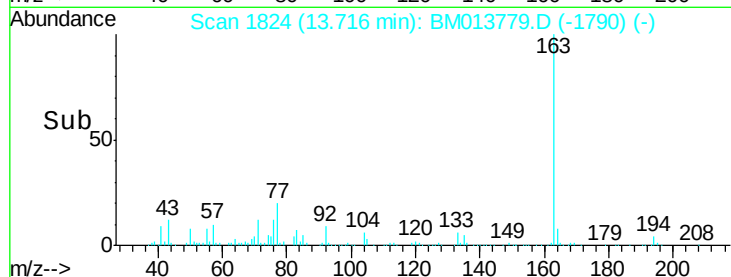
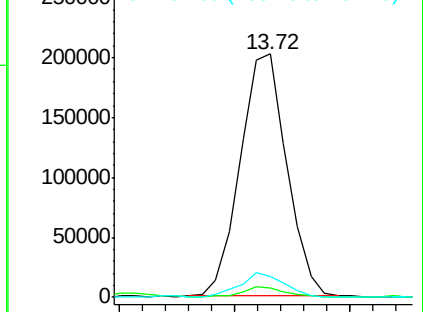
#44
Dimethylphthalate
Concen: 12.333 ng/ul
RT: 13.72 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BM013779.D
Acq: 24 Jan 2018 21:49

Instrument :
BNA_M
ClientSampleId :

Tot Ion:163 Resp: 283537
Ion Ratio Lower Upper
163 100
194 3.9 3.5 5.3
164 8.4 8.2 12.4

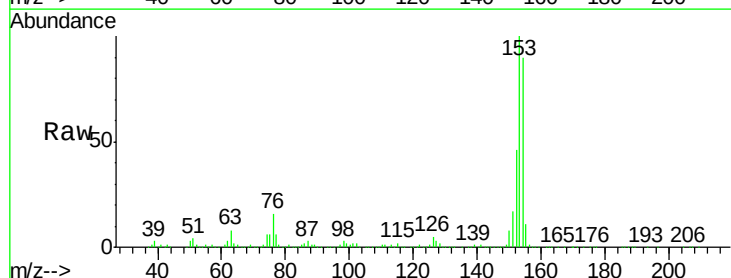


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

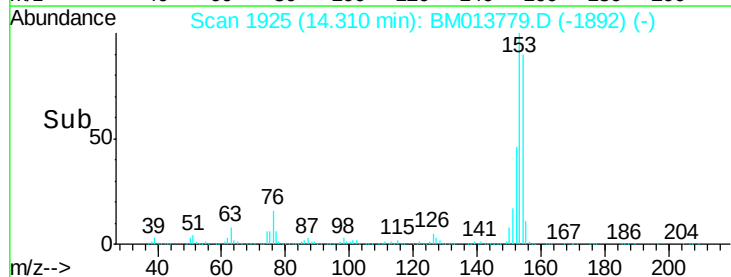
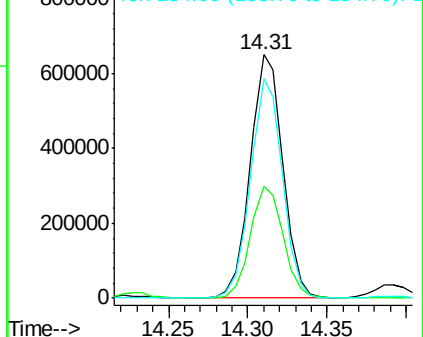


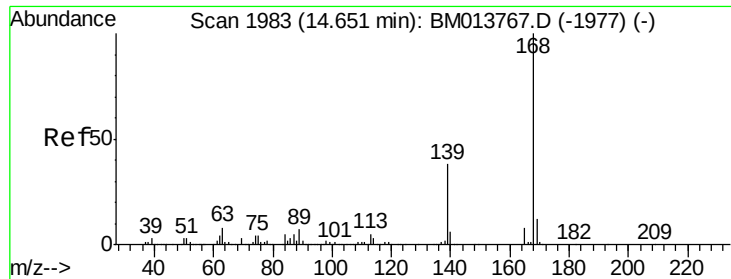
#49
Acenaphthene
Concen: 49.302 ng/ul
RT: 14.31 min Scan# 1925
Delta R.T. -0.01 min
Lab File: BM013779.D
Acq: 24 Jan 2018 21:49

Tgt Ion:153 Resp: 931519
Ion Ratio Lower Upper
153 100
152 45.9 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

Dibenzenofuran

Concen: 30.570 ng/ul

RT: 14.65 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Instrument :

BNA_M

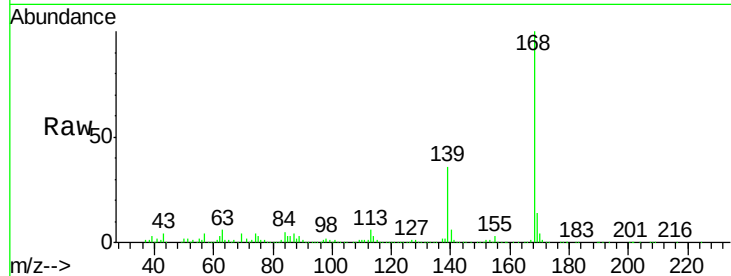
ClientSampleId :

Tot Ion:168 Resp: 868913

Ion Ratio Lower Upper

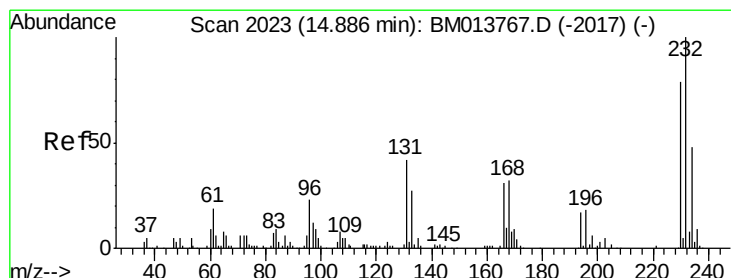
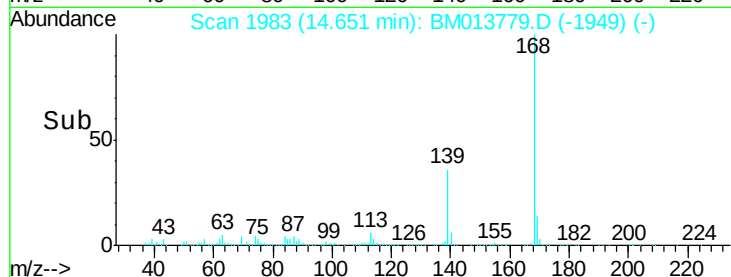
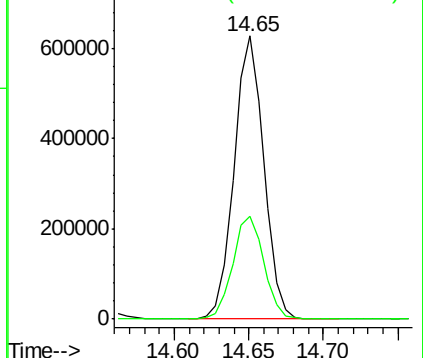
168 100

139 36.4 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: 14.790 ng/ul

RT: 14.88 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Tgt Ion:232 Resp: 88081

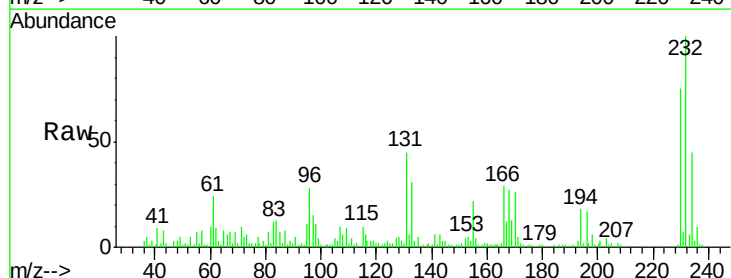
Ion Ratio Lower Upper

232 100

131 44.6 29.0 43.4#

130 2.1 2.0 3.0

166 29.2 21.4 32.2

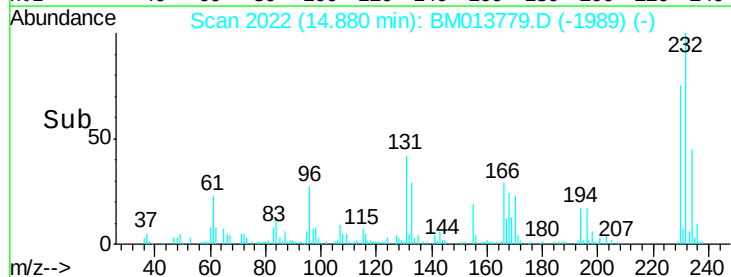
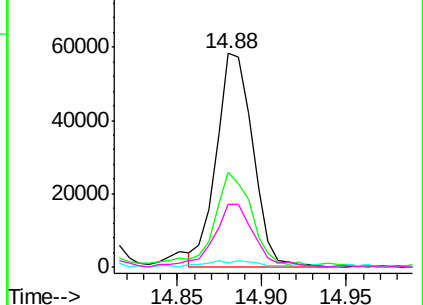


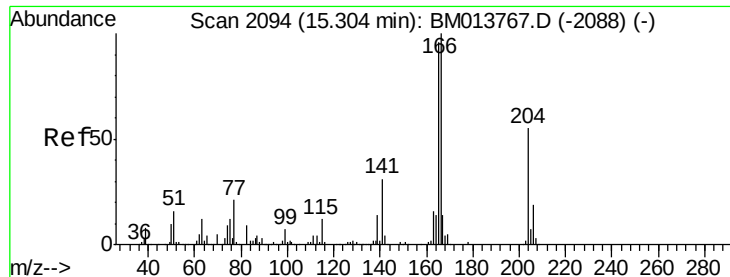
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

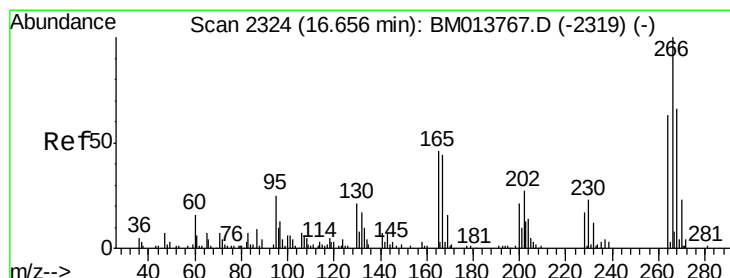
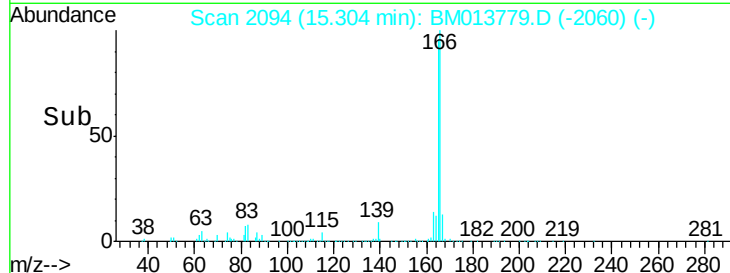
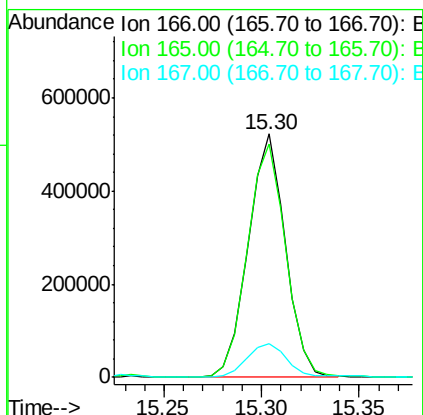
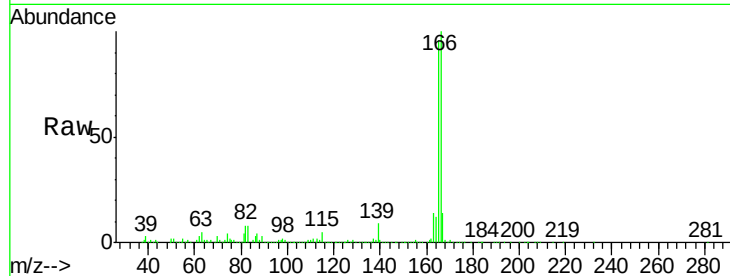




#58
 Fluorene
 Concen: 29.471 ng/ul
 RT: 15.30 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: BM013779.D
 Acq: 24 Jan 2018 21:49

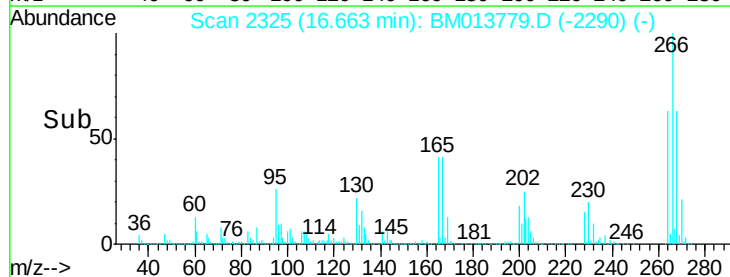
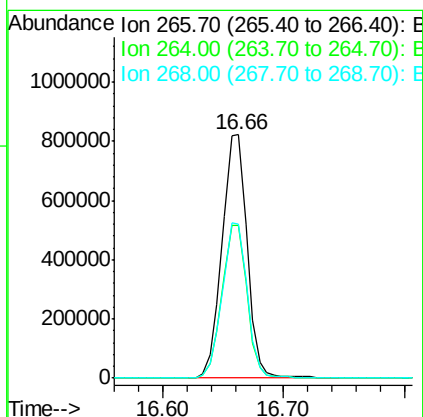
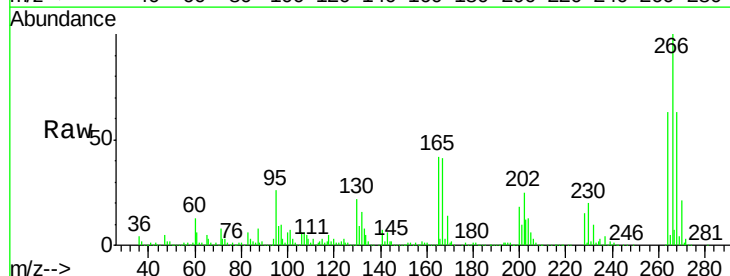
Instrument :
 BNA_M
 ClientSampleId :

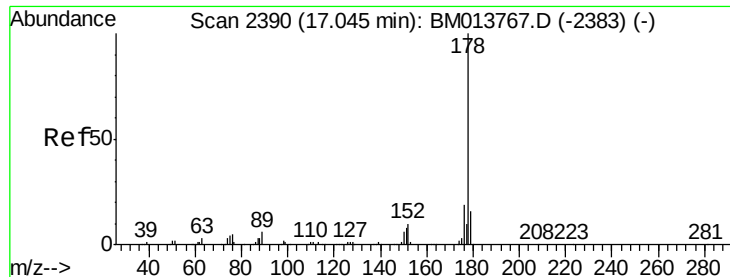
Tot Ion:166 Resp: 686192
 Ion Ratio Lower Upper
 166 100
 165 95.7 77.9 116.9
 167 13.8 10.6 16.0



#68
 Pentachlorophenol
 Concen: 271.356 ng/ul
 RT: 16.66 min Scan# 2325
 Delta R.T. 0.01 min
 Lab File: BM013779.D
 Acq: 24 Jan 2018 21:49

Tgt Ion:266 Resp: 1189748
 Ion Ratio Lower Upper
 266 100
 264 62.8 49.3 73.9
 268 63.2 52.6 78.8





#69

Phenanthrene

Concen: 86.400 ng/ul

RT: 17.04 min Scan# 2390

Delta R.T. 0.00 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

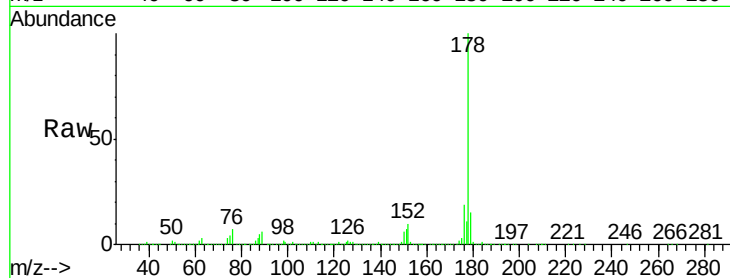
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 3116824

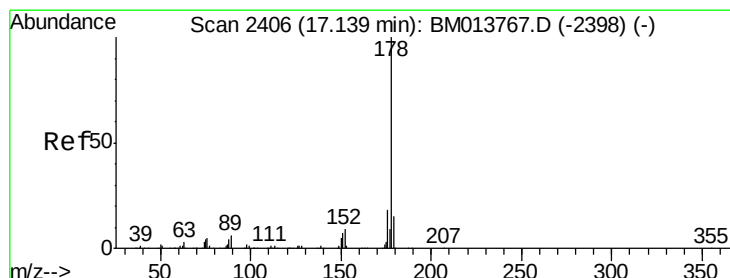
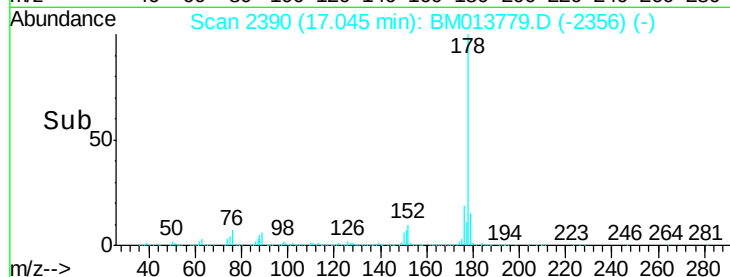
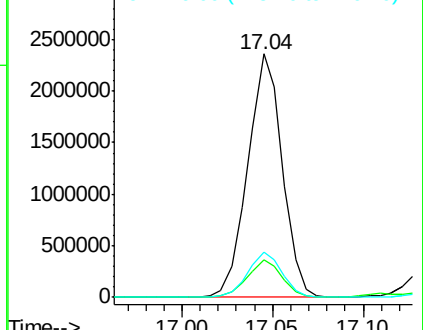
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	18.8	14.9	22.3



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: 11.316 ng/ul

RT: 17.13 min Scan# 2405

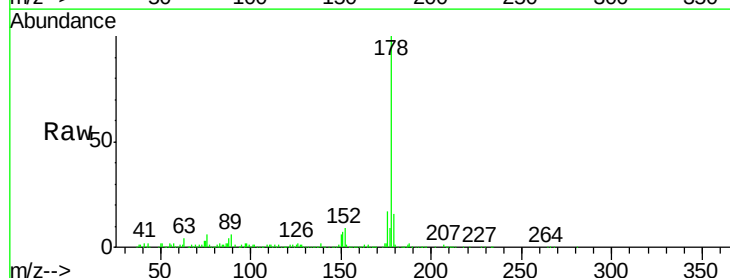
Delta R.T. -0.01 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Tgt Ion:178 Resp: 421047

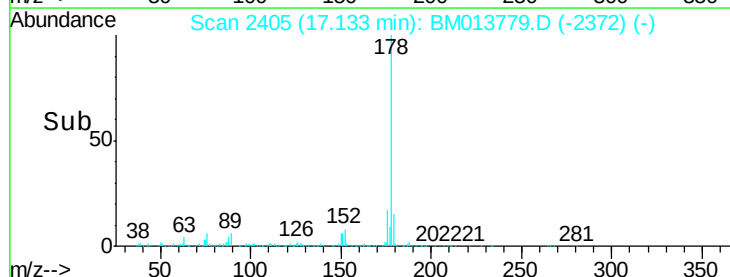
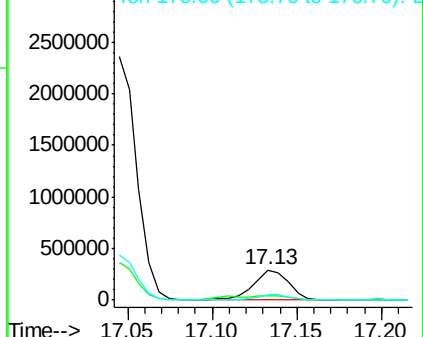
Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.7	17.5
176	16.7	14.6	21.8

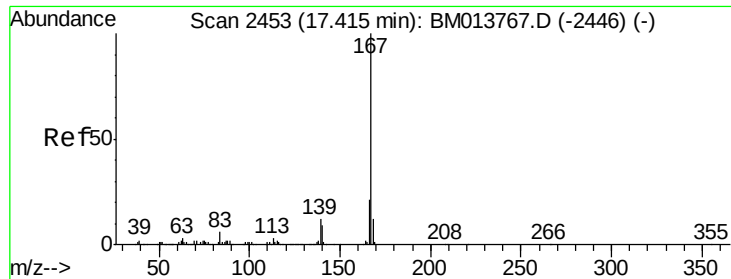


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 9.816 ng/ul

RT: 17.41 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Instrument :

BNA_M

ClientSampleId :

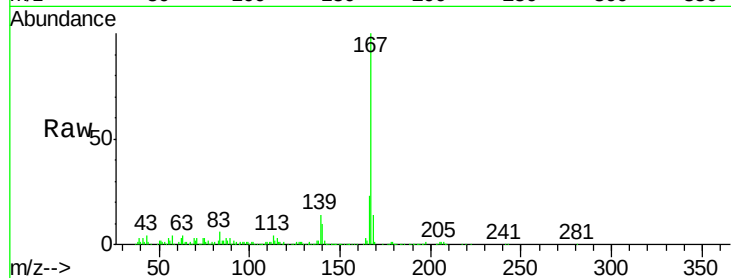
Tot Ion:167 Resp: 301487

Ion Ratio Lower Upper

167 100

166 22.7 17.1 25.7

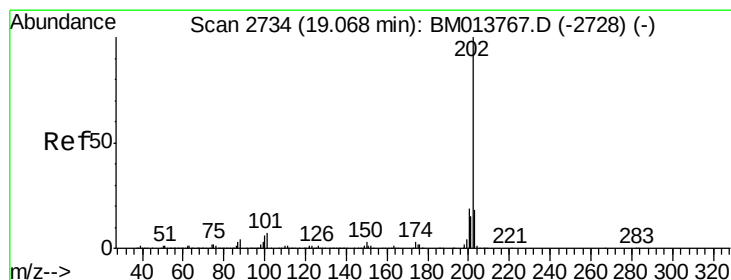
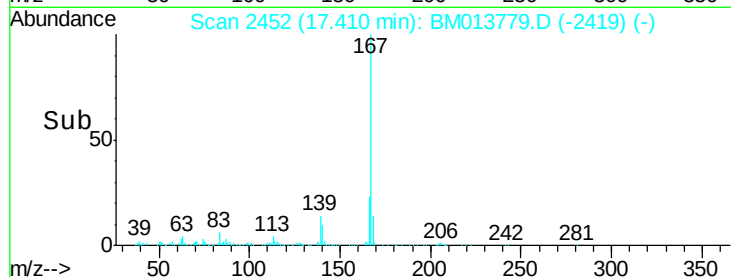
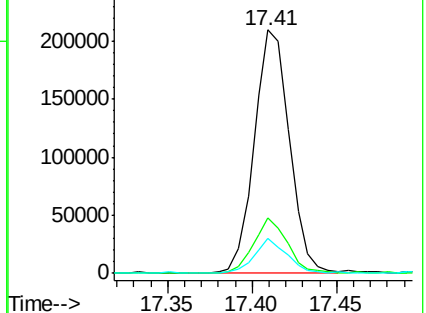
139 14.2 10.0 15.0



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: 40.285 ng/ul

RT: 19.07 min Scan# 2734

Delta R.T. 0.00 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

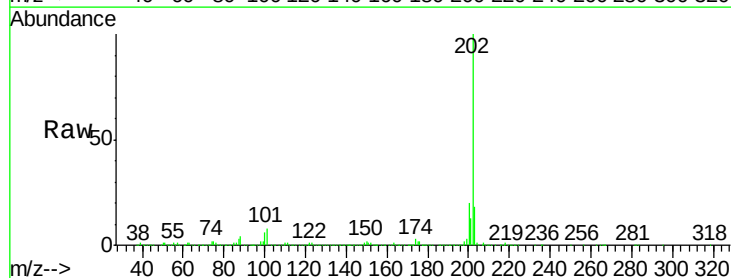
Tgt Ion:202 Resp: 1734713

Ion Ratio Lower Upper

202 100

101 8.0 4.6 7.0#

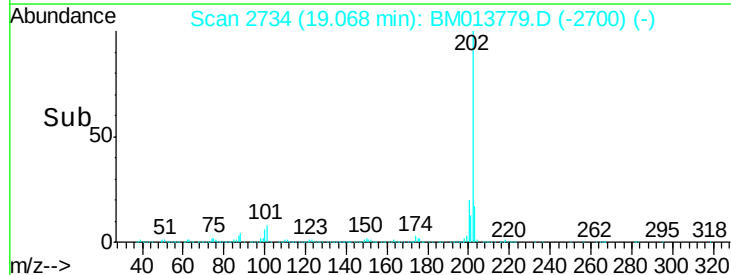
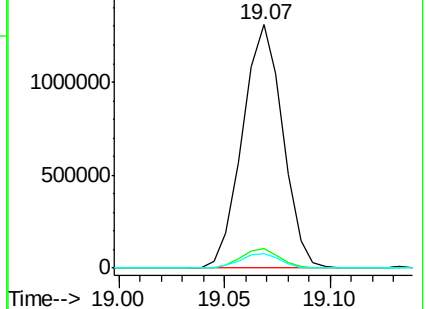
100 6.1 3.4 5.2#

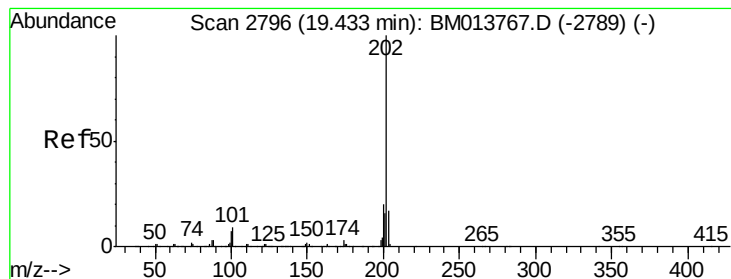


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 26.115 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.00 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Instrument :

BNA_M

ClientSampled :

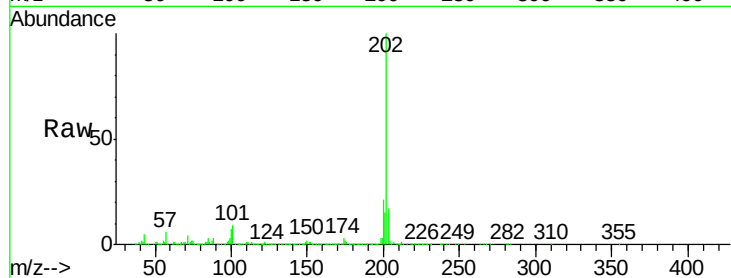
Tot Ion:202 Resp: 1169661

Ion Ratio Lower Upper

202 100

101 9.4 5.1 7.7#

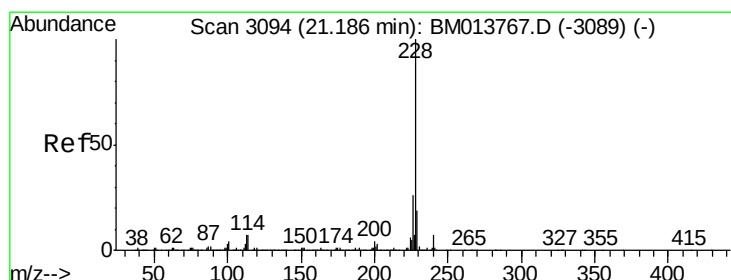
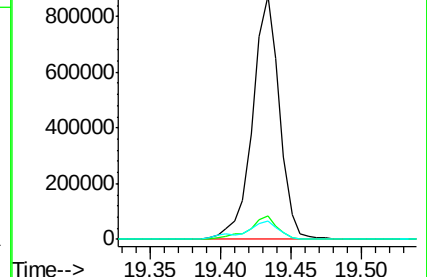
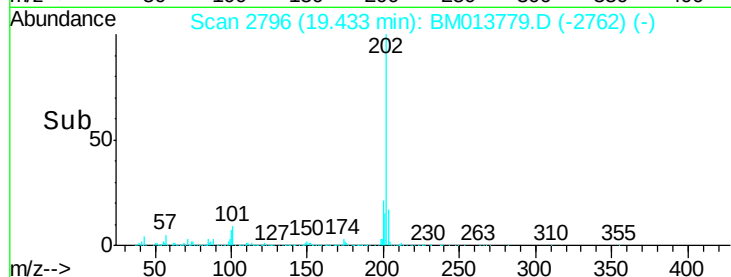
100 7.3 4.9 7.3#



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: 4.529 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

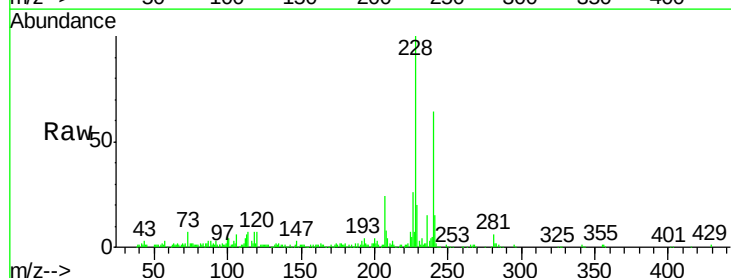
Tgt Ion:228 Resp: 201632

Ion Ratio Lower Upper

228 100

229 20.0 15.4 23.0

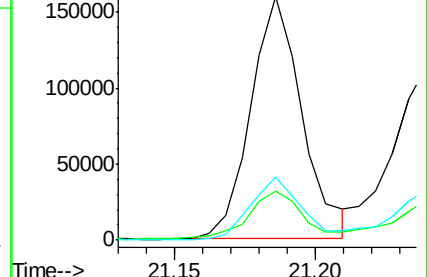
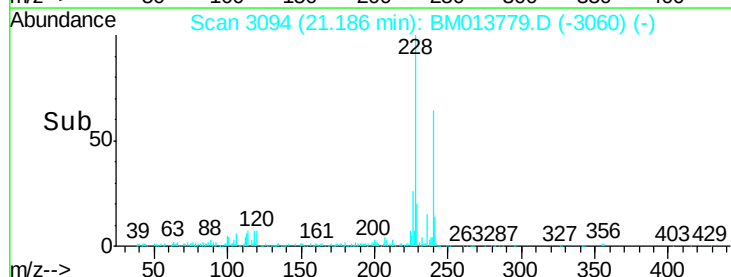
226 26.1 21.4 32.0

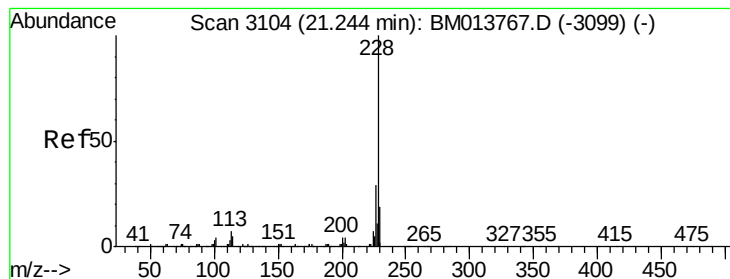


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 3.815 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Instrument :

BNA_M

ClientSampleId :

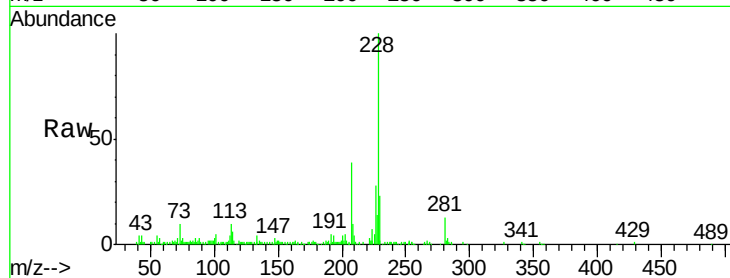
Tot Ion:228 Resp: 155823

Ion Ratio Lower Upper

228 100

226 28.3 23.4 35.2

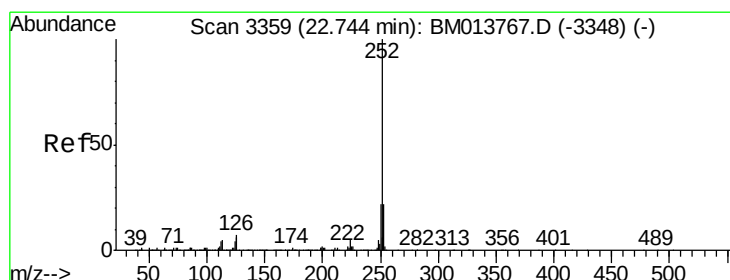
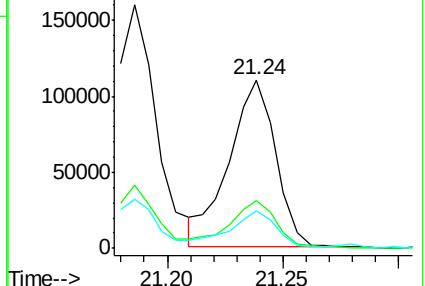
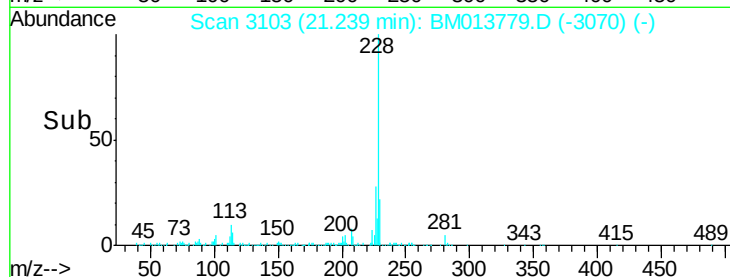
229 22.7 15.5 23.3



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: 1.785 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. 0.00 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

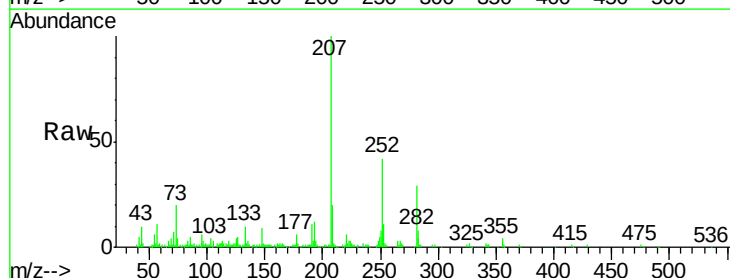
Tgt Ion:252 Resp: 82167

Ion Ratio Lower Upper

252 100

253 26.3 17.9 26.9

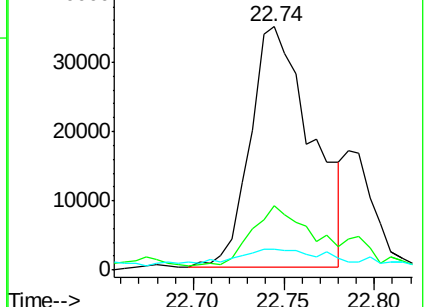
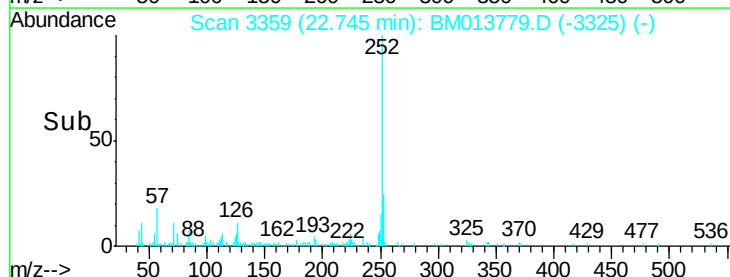
125 8.4 3.6 5.4#

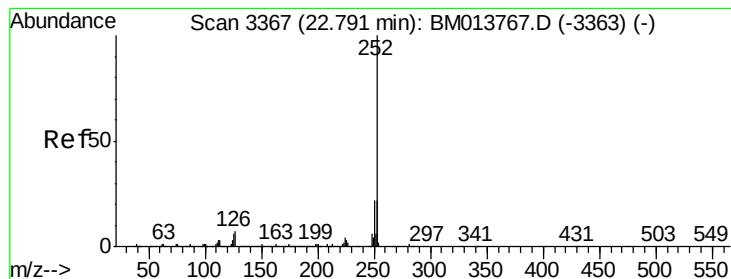


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 1.847 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. -0.05 min

Lab File: BM013779.D

Acq: 24 Jan 2018 21:49

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 82167

Ion Ratio Lower Upper

252 100

253 26.3 17.1 25.7#

125 8.4 3.4 5.2#

