

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108406.D
 Acq On : 23 Aug 2018 3:32
 Operator : JU/SJ
 Sample : J4586-01 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 07:59:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	142373	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	498281	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	233892	20.00	ng	0.01
63) Phenanthrene-d10	11.56	188	370343	20.00	ng	0.01
75) Chrysene-d12	14.19	240	309305	20.00	ng	0.00
86) Perylene-d12	15.75	264	276881	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	74835	9.52	ng	-0.01
7) Phenol-d6	6.62	99	105222	10.07	ng	-0.01
23) Nitrobenzene-d5	7.56	82	98058	10.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.86	330	13359	5.73	ng	0.01
44) 2-Fluorobiphenyl	9.37	172	107465	7.38	ng	0.00
78) Terphenyl-d14	13.13	244	86533	7.11	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.49	117	35427	9.671	ng	# 1
19) n-Nitroso-di-n-propylamine	7.42	70	35994	5.093	ng	# 71
22) Acetophenone	7.39	105	518843	44.532	ng	# 60
24) Nitrobenzene	7.57	77	34447	3.815	ng	# 26
25) Isophorone	7.81	82	99945	5.872	ng	# 1
26) 2-Nitrophenol	7.89	139	7985	2.342	ng	# 1
27) 2,4-Dimethylphenol	7.94	122	15788	2.090	ng	# 1
29) 2,4-Dichlorophenol	8.12	162	17721	2.549	ng	# 33
31) Naphthalene	8.31	128	46956	2.072	ng	# 1
32) Benzoic acid	8.08	122	10140	8.000	ng	# 3
35) Caprolactam	8.74	113	14254	6.543	ng	# 1
37) 2-Methylnaphthalene	9.01	142	212552	13.257	ng	# 94
51) Acenaphthene	10.09	154	89834	6.807	ng	# 75
52) 3-Nitroaniline	10.01	138	13016	3.490	ng	# 52
53) 2,4-Dinitrophenol	10.12	184	1616	8.176	ng	# 1
54) Dibenzofuran	10.27	168	53148	2.780	ng	# 1
55) 4-Nitrophenol	10.17	139	97986	34.695	ng	# 66
56) 2,4-Dinitrotoluene	10.24	165	18270	4.164	ng	# 69
57) Fluorene	10.62	166	192415	12.712	ng	# 68
61) 4-Nitroaniline	10.52	138	13606	3.690	ng	# 89
62) Azobenzene	10.75	77	35597	2.185	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.68	198	3104	7.342	ng	# 1
65) n-Nitrosodiphenylamine	10.72	169	345322	31.554	ng	# 36
70) Phenanthrene	11.58	178	469738	26.892	ng	# 96
71) Anthracene	11.64	178	68139	3.806	ng	# 57
74) Fluoranthene	12.77	202	330837	17.354	ng	# 95
77) Pyrene	12.77	202	330737	16.890	ng	# 99
80) Benzo(a)anthracene	14.19	228	182752	10.295	ng	# 98
82) Chrysene	14.22	228	153067	9.406	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.35	276	57038	4.045	ng	# 89
87) Benzo(b)fluoranthene	15.28	252	248647	15.029	ng	# 96
88) Benzo(k)fluoranthene	15.28	252	248647	16.349	ng	# 96
89) Benzo(a)pyrene	15.68	252	123569	8.341	ng	# 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample    : J4586-01 2X
Misc      :
ALS Vial  : 27    Sample Multiplier: 1
```

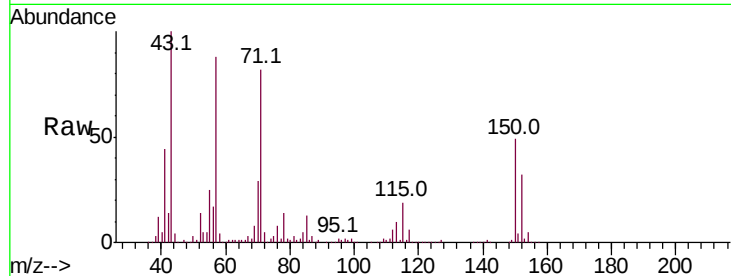


#1

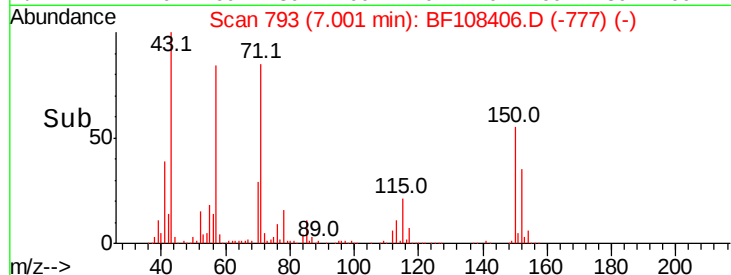
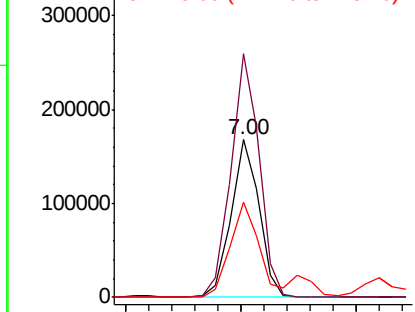
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142373
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 60.0 50.1 75.1



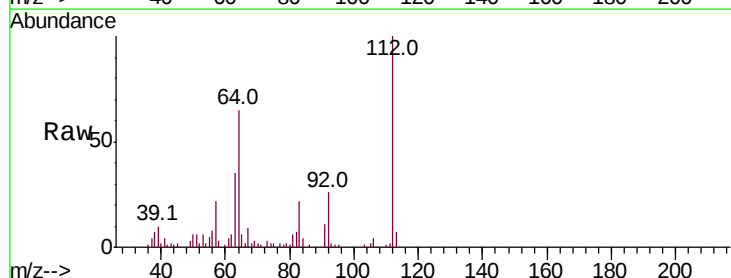
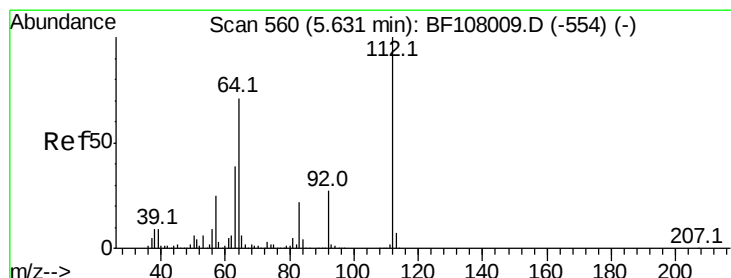
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



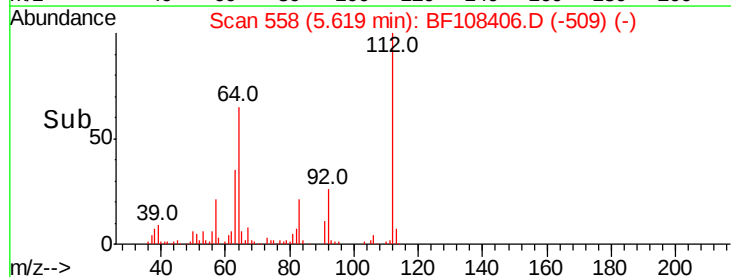
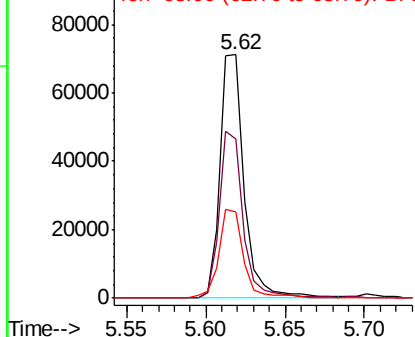
#5

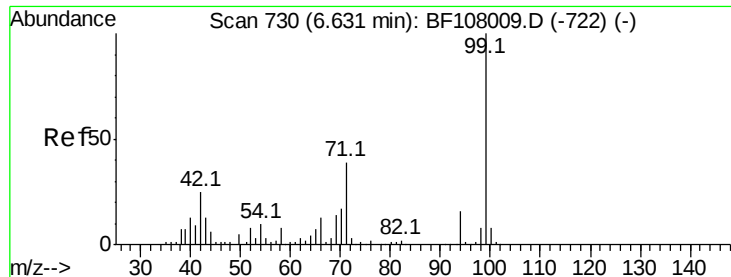
2-Fluorophenol
Concen: 9.516 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

Tgt Ion:112 Resp: 74835
Ion Ratio Lower Upper
112 100
64 65.5 47.9 71.9
63 35.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 10.069 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

Instrument :

BNA_F

ClientSampleId :

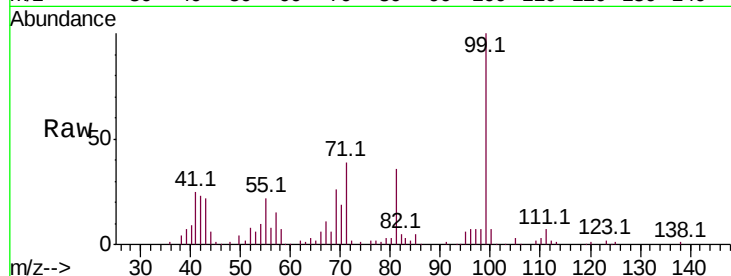
Tot Ion: 99 Resp: 105222

Ion Ratio Lower Upper

99 100

42 23.1 14.5 21.7#

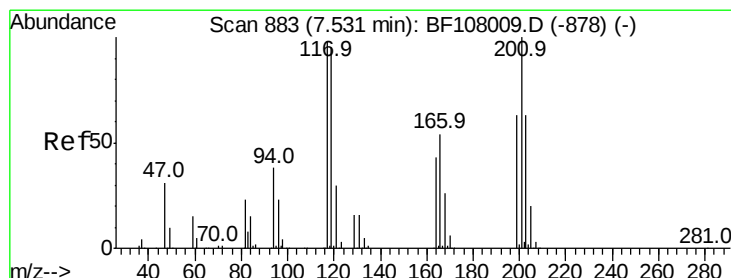
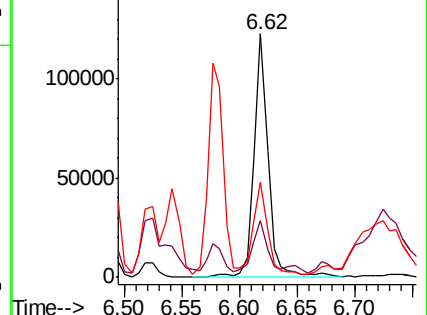
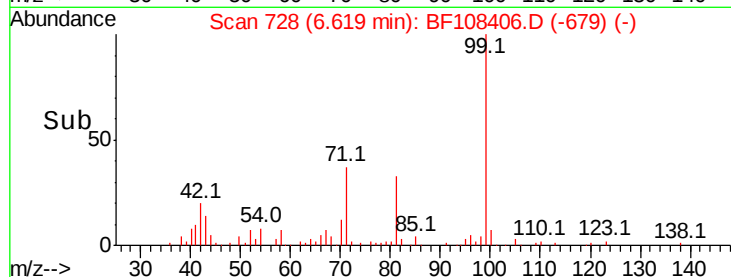
71 39.3 25.4 38.0#



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#18

Hexachloroethane

Concen: 9.671 ng

RT: 7.49 min Scan# 876

Delta R.T. -0.03 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

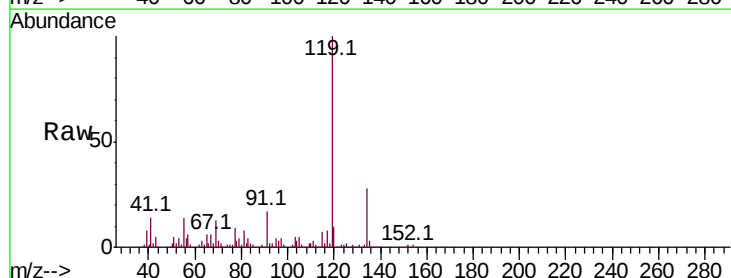
Tgt Ion: 117 Resp: 35427

Ion Ratio Lower Upper

117 100

119 1214.4 75.8 113.8#

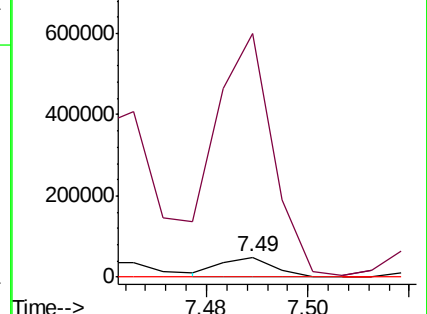
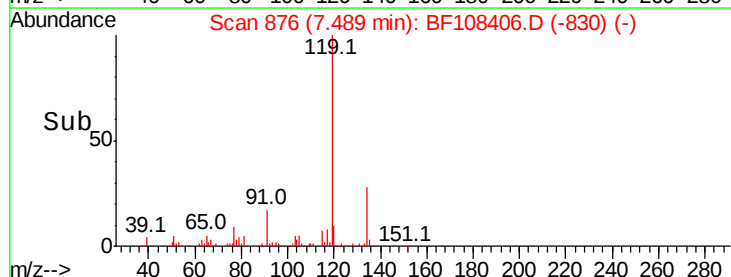
201 0.0 75.7 113.5#

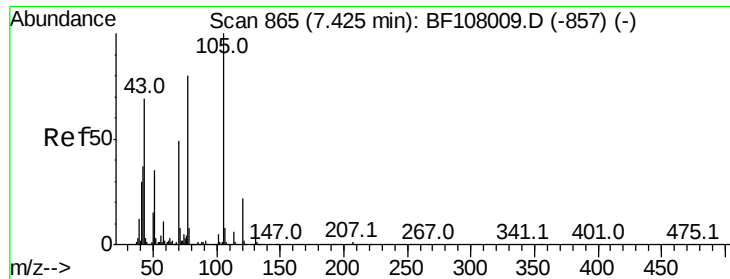


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

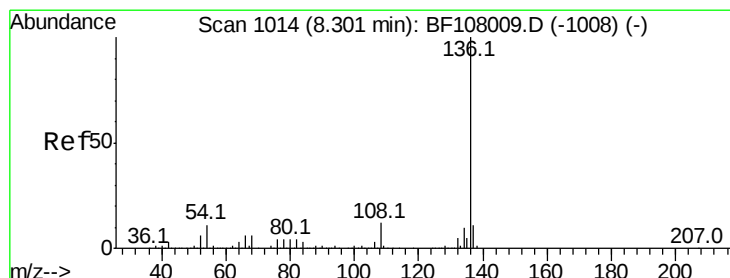
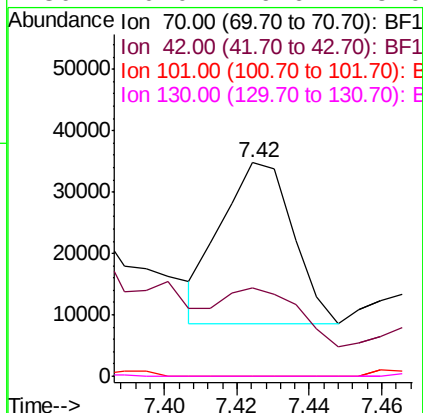
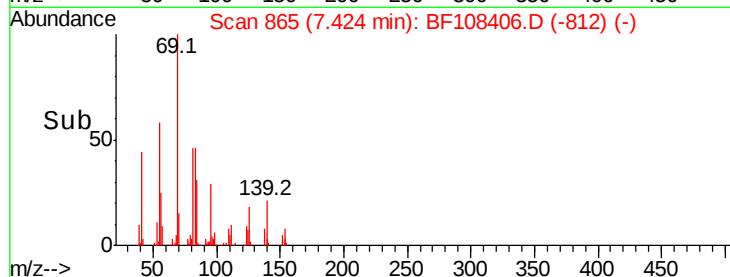
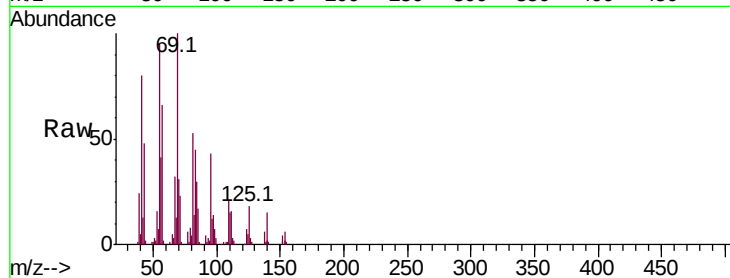




#19
n-Nitroso-di-n-propylamine
Concen: 5.093 ng
RT: 7.42 min Scan# 865
Delta R.T. 0.01 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

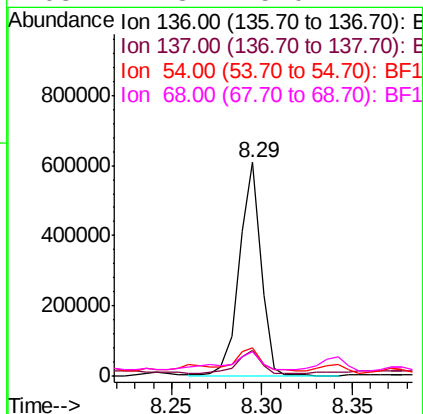
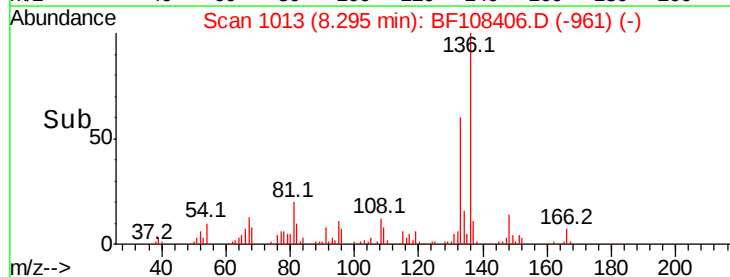
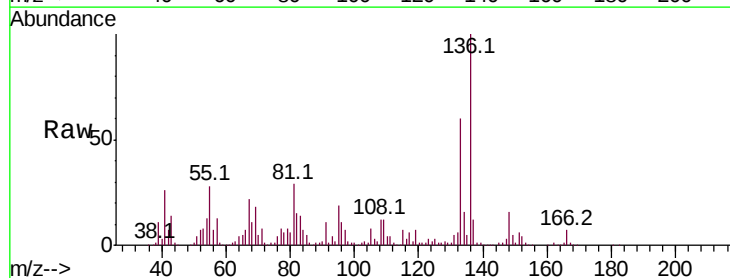
Instrument :
BNA_F
ClientSampleId :

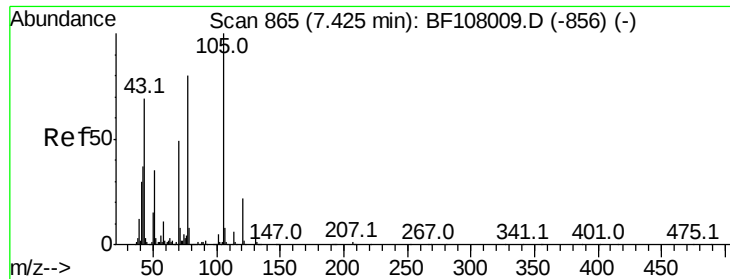
Tot Ion	Ratio	Lower	Upper
70	100		
42	41.2	47.5	71.3#
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.29 min Scan# 1013
Delta R.T. 0.01 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.9	13.3
54	13.1	6.6	9.8#
68	11.3	5.0	7.4#

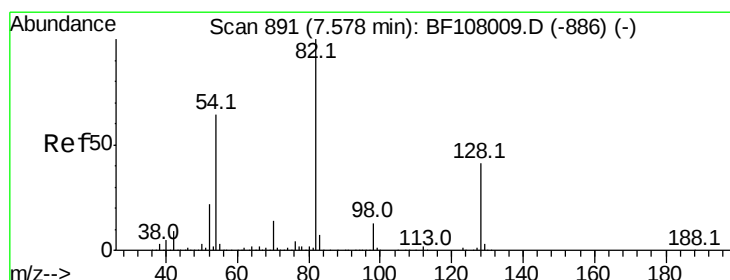
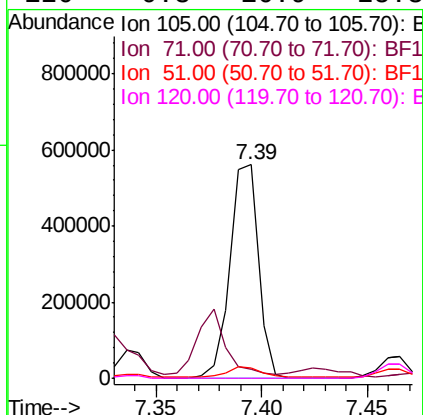
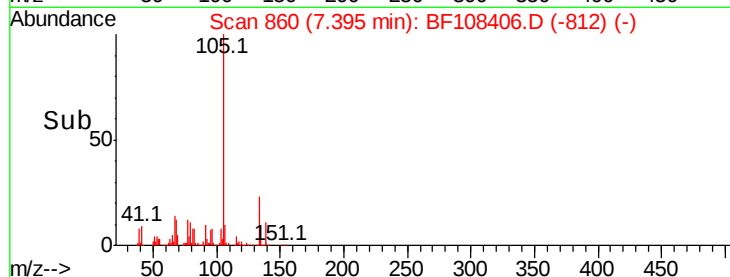
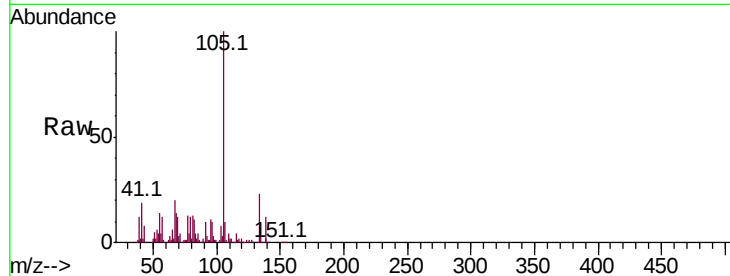




#22
Acetophenone
Concen: 44.532 ng
RT: 7.39 min Scan# 860
Delta R.T. -0.02 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

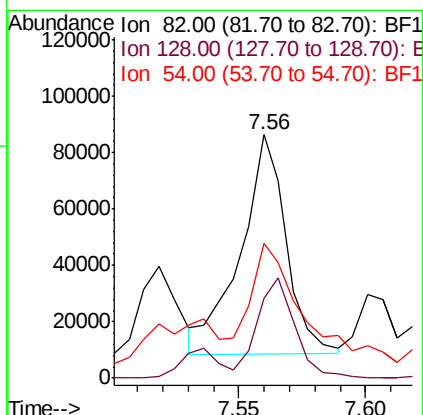
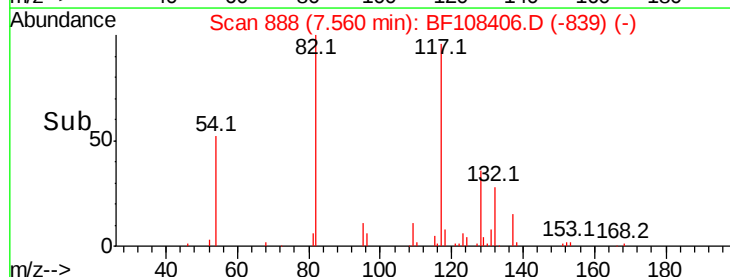
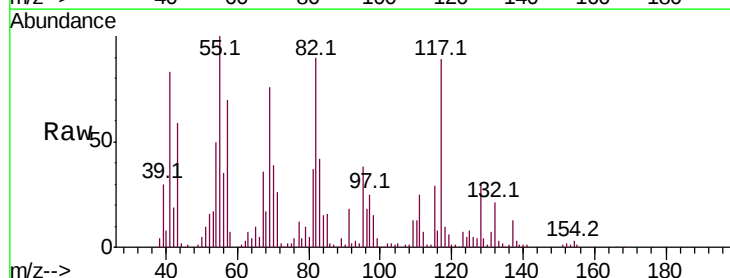
Instrument :
BNA_F
ClientSampleId :

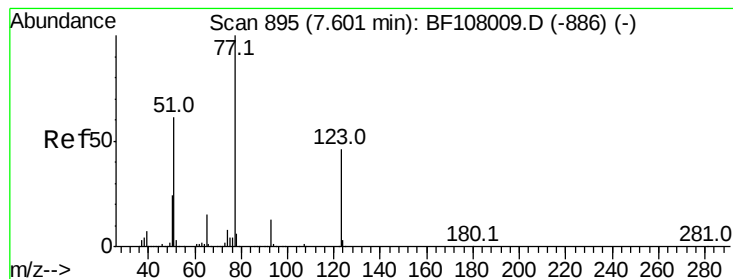
Tot Ion:	105	Resp:	518843
Ion Ratio	Lower	Upper	
105	100		
71	4.0	4.4	6.6#
51	5.0	22.3	33.5#
120	0.3	16.9	25.3#



#23
Nitrobenzene-d5
Concen: 10.981 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

Tgt Ion:	82	Resp:	98058
Ion Ratio	Lower	Upper	
82	100		
128	32.9	36.1	54.1#
54	55.1	41.4	62.2





#24

Nitrobenzene

Concen: 3.815 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.02 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

Instrument :

BNA_F

ClientSampled :

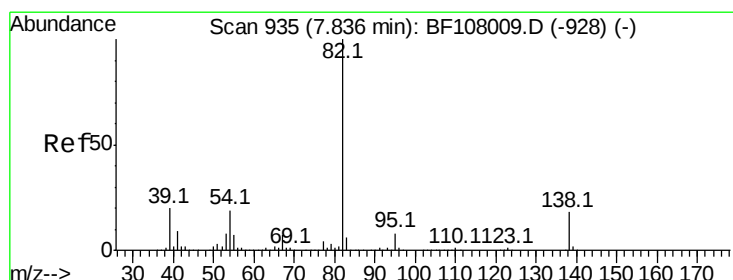
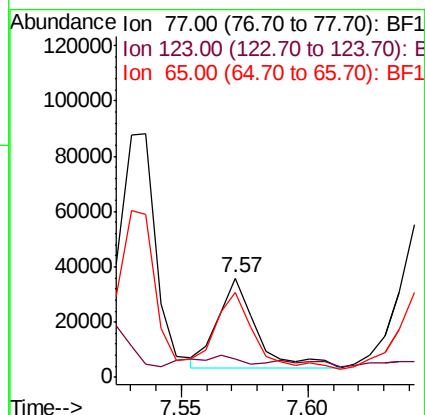
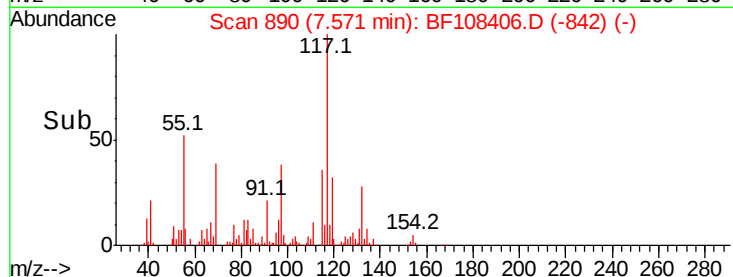
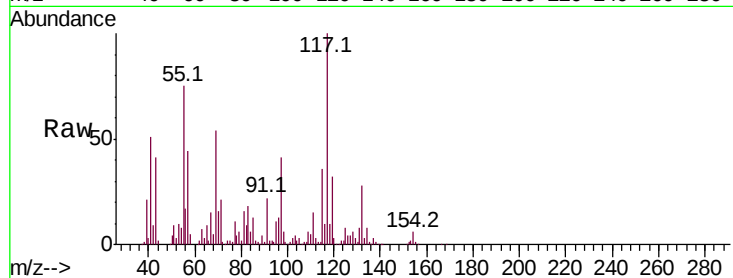
Tot Ion: 77 Resp: 34447

Ion Ratio Lower Upper

77 100

123 17.9 37.9 56.9#

65 86.1 11.0 16.4#



#25

Isophorone

Concen: 5.872 ng

RT: 7.81 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

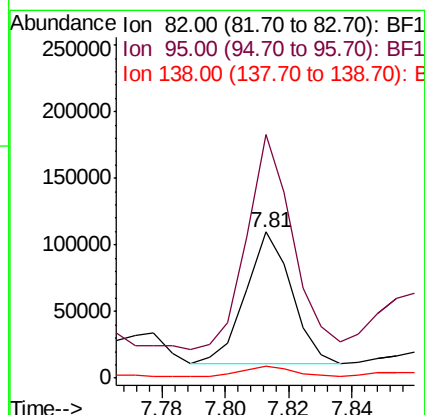
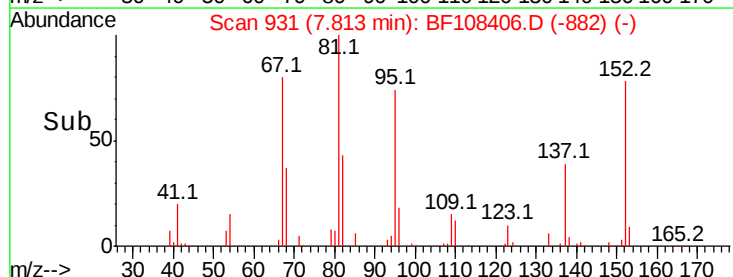
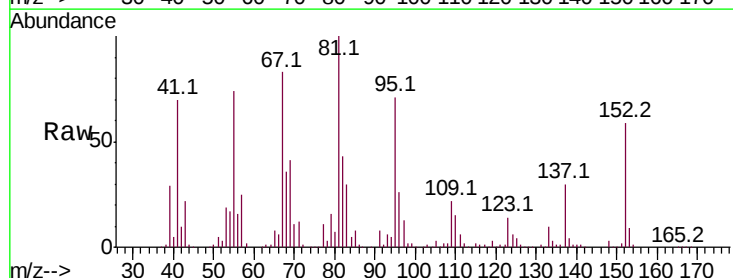
Tgt Ion: 82 Resp: 99945

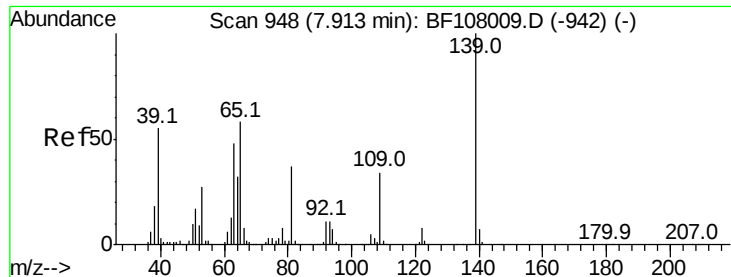
Ion Ratio Lower Upper

82 100

95 166.7 5.2 7.8#

138 8.2 14.9 22.3#

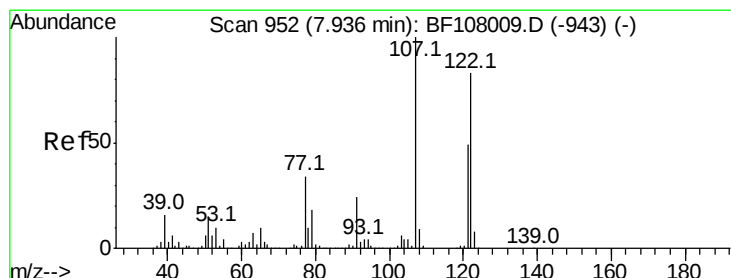
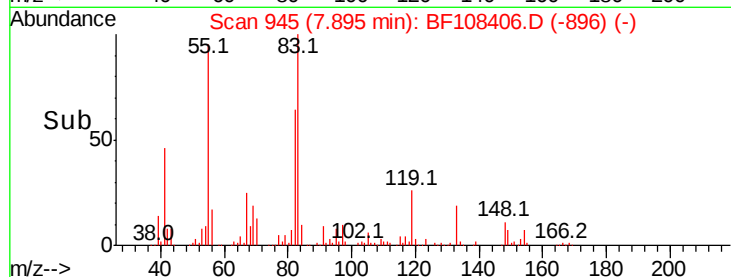
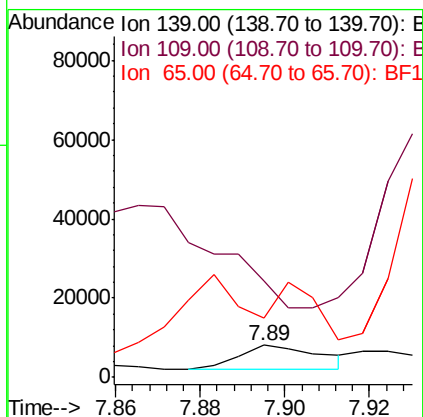
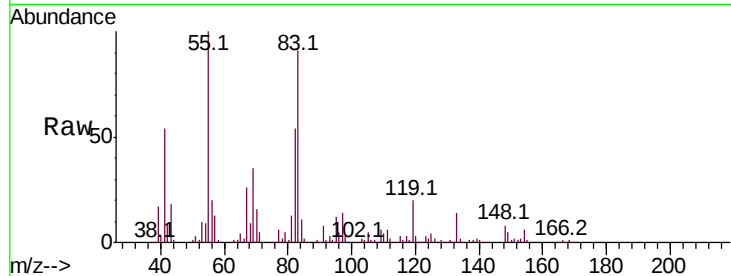




#26
2-Nitrophenol
Concen: 2.342 ng
RT: 7.89 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

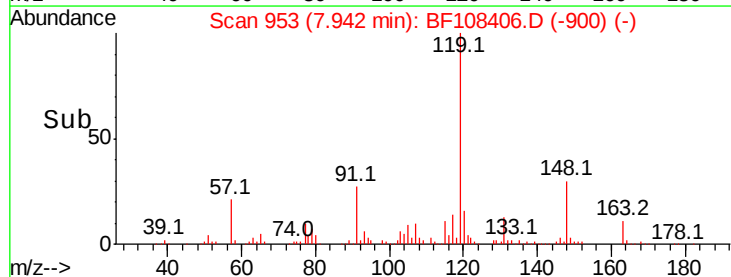
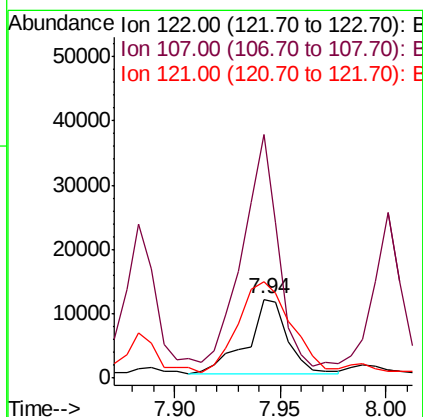
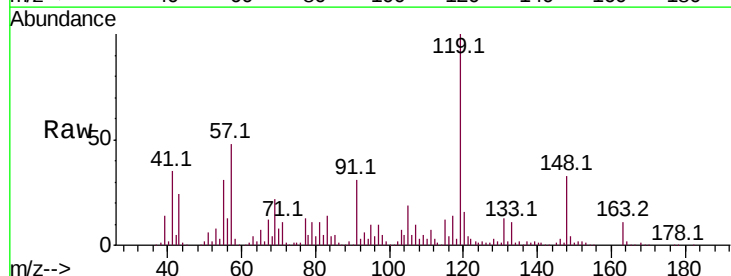
Instrument :
BNA_F
ClientSampled :

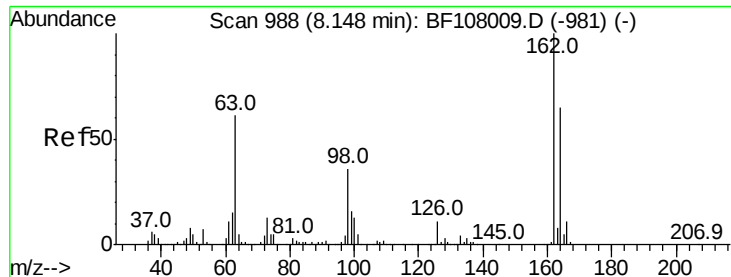
Tot Ion	Ratio	Lower	Upper
139	100		
109	300.5	22.7	34.1#
65	185.4	40.5	60.7#



#27
2,4-Dimethylphenol
Concen: 2.090 ng
RT: 7.94 min Scan# 953
Delta R.T. 0.01 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

Tgt Ion	Ratio	Lower	Upper
122	100		
107	308.4	91.2	136.8#
121	121.7	47.2	70.8#

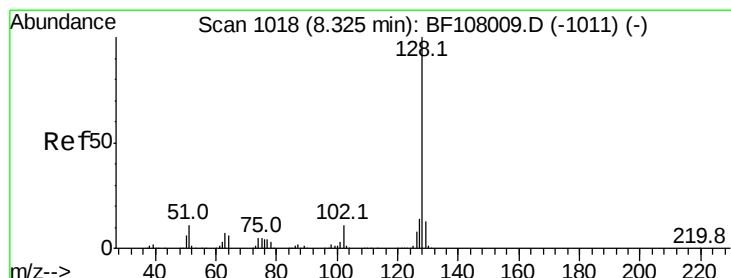
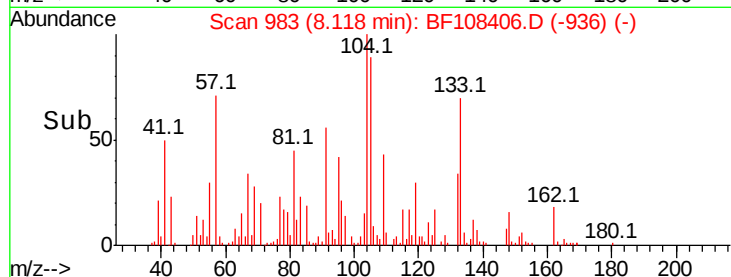
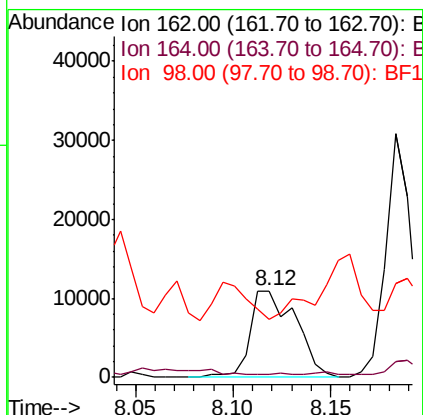
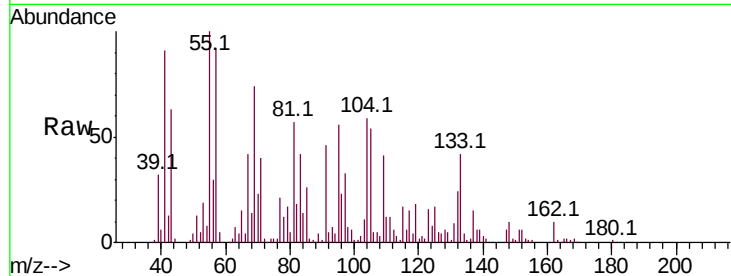




#29
2,4-Dichlorophenol
Concen: 2.549 ng
RT: 8.12 min Scan# 983
Delta R.T. -0.02 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

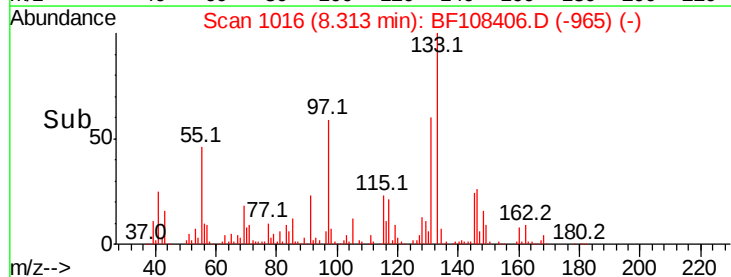
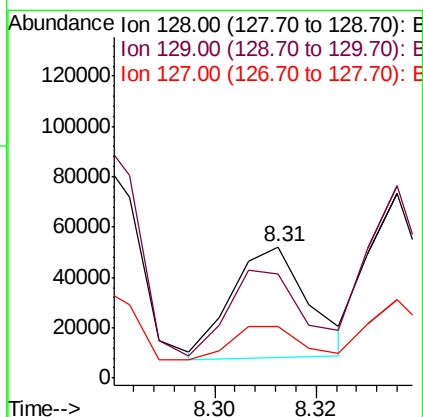
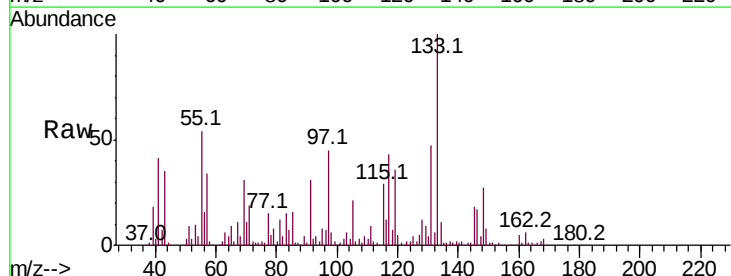
Instrument :
BNA_F
ClientSampleId :

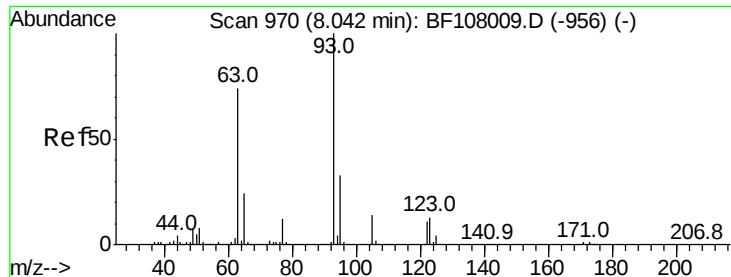
Tot Ion	Ratio	Lower	Upper
162	100		
164	2.8	42.7	82.7#
98	67.6	18.1	58.1#



#31
Naphthalene
Concen: 2.072 ng
RT: 8.31 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	79.6	8.8	13.2#
127	39.3	10.9	16.3#





#32

Benzoic acid

Concen: 8.000 ng

RT: 8.08 min Scan# 976

Delta R.T. 0.04 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

Instrument :

BNA_F

ClientSampled :

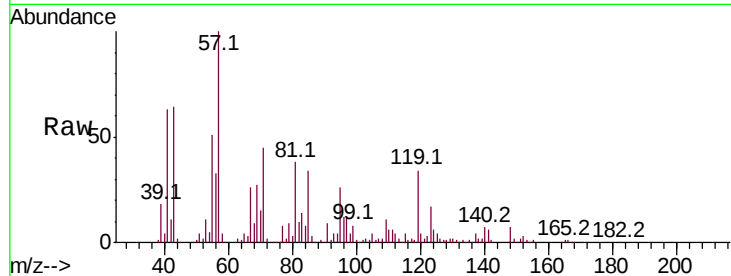
Tot Ion:122 Resp: 10140

Ion Ratio Lower Upper

122 100

105 147.2 101.1 141.1#

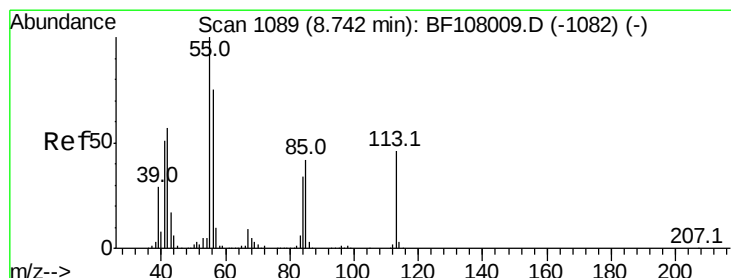
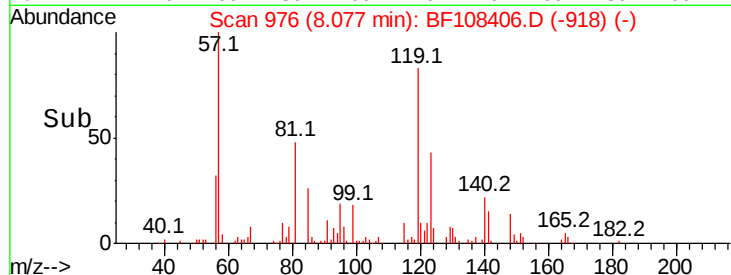
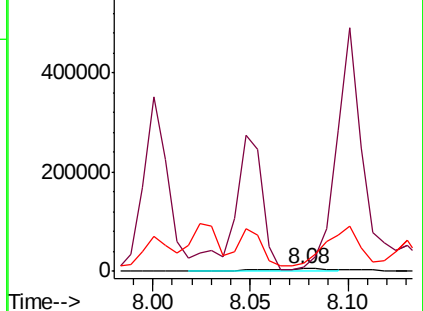
77 275.2 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#35

Caprolactam

Concen: 6.543 ng

RT: 8.74 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

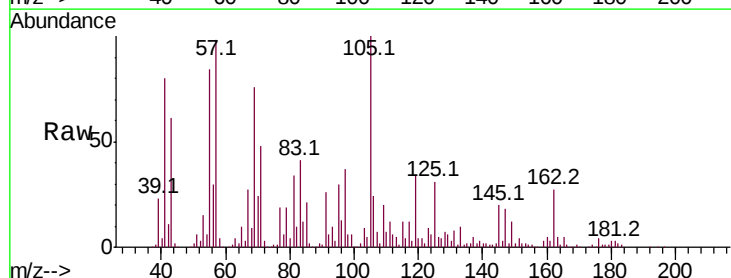
Tgt Ion:113 Resp: 14254

Ion Ratio Lower Upper

113 100

55 1579.9 163.3 203.3#

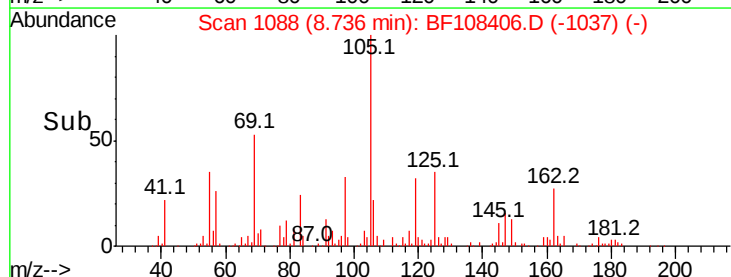
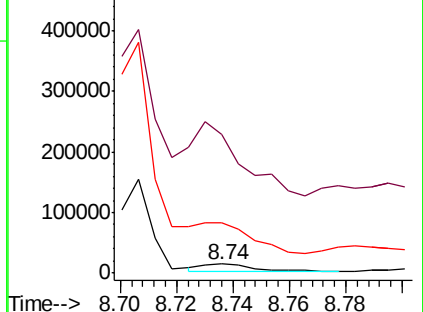
56 570.6 115.7 155.7#

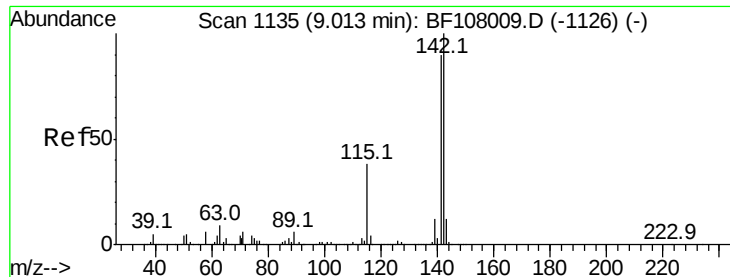


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

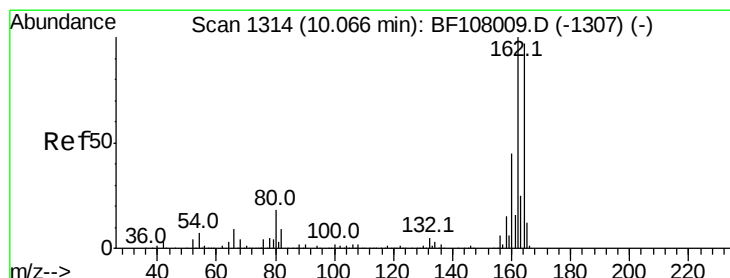
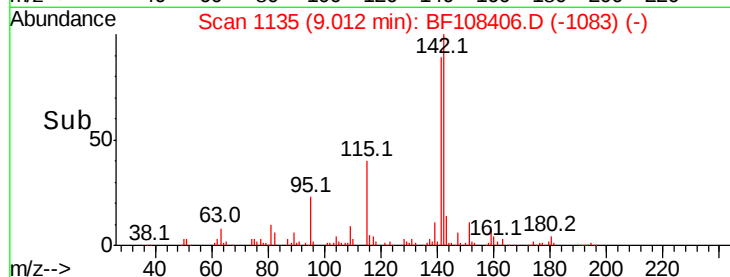
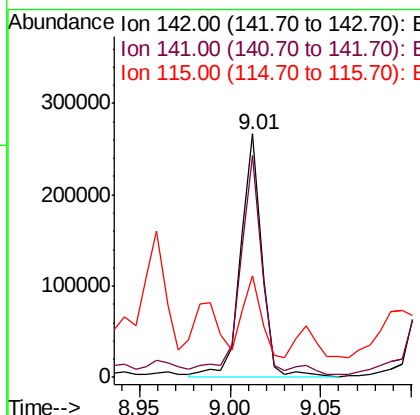
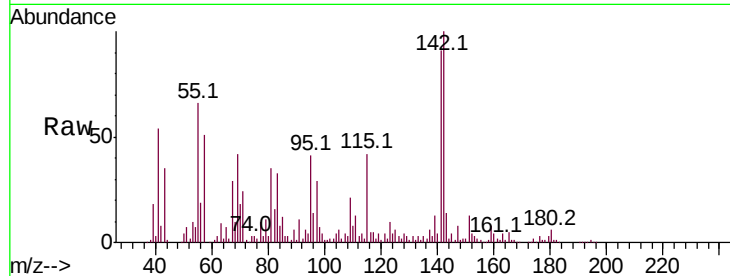




#37
2-Methylnaphthalene
Concen: 13.257 ng
RT: 9.01 min Scan# 1135
Delta R.T. 0.01 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

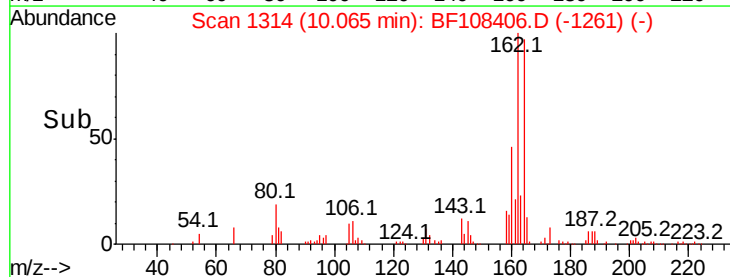
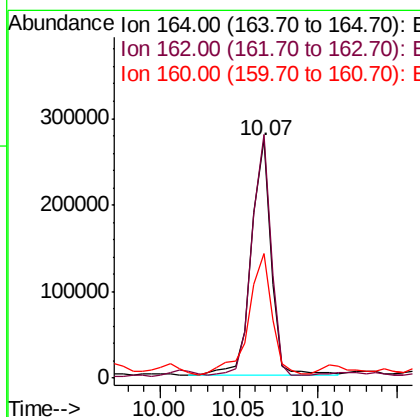
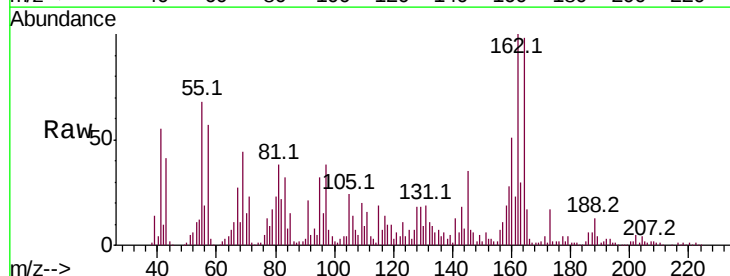
Instrument :
BNA_F
ClientSampleId :

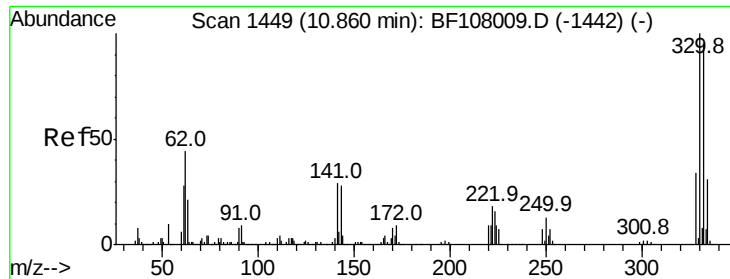
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.8	106.2
115	41.8	26.1	39.1#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	86.1	129.1
160	52.1	38.3	57.5

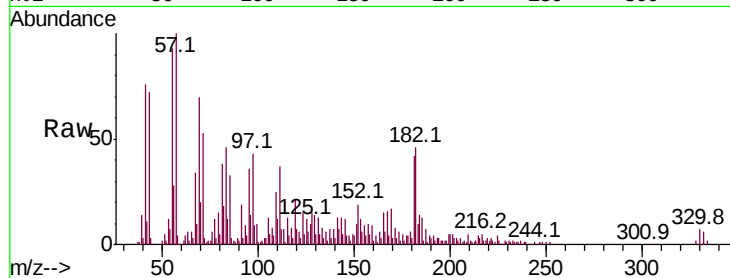




#41
 2,4,6-Tribromophenol
 Concen: 5.726 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.01 min
 Lab File: BF108406.D
 Acq: 23 Aug 2018 3:32

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	66.5	29.9	44.9#

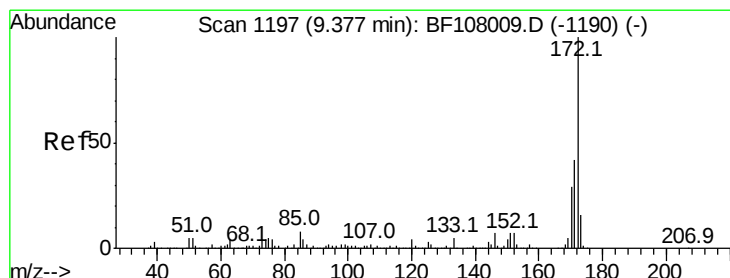
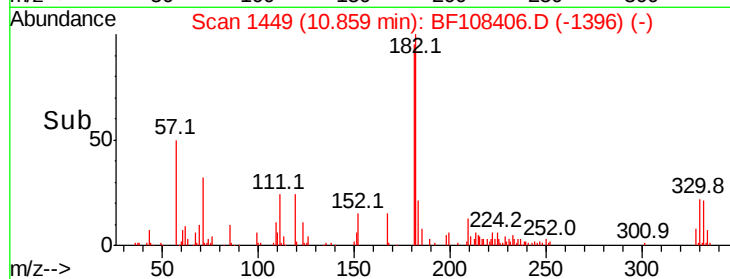
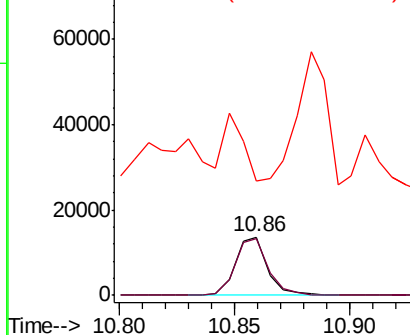


Abundance

Ion 329.80 (329.50 to 330.50): E

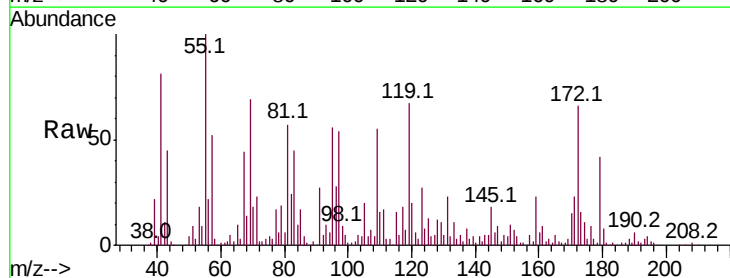
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 7.377 ng
 RT: 9.37 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: BF108406.D
 Acq: 23 Aug 2018 3:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.0	19.6	29.4

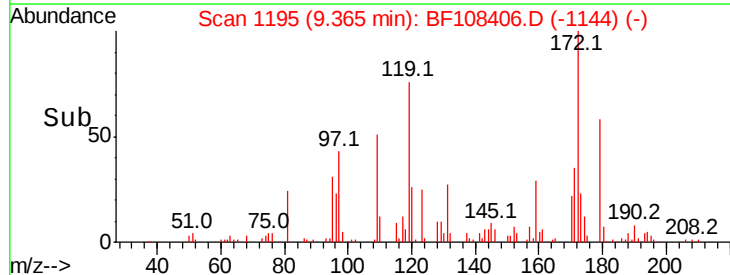
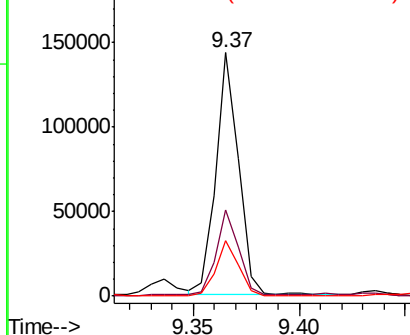


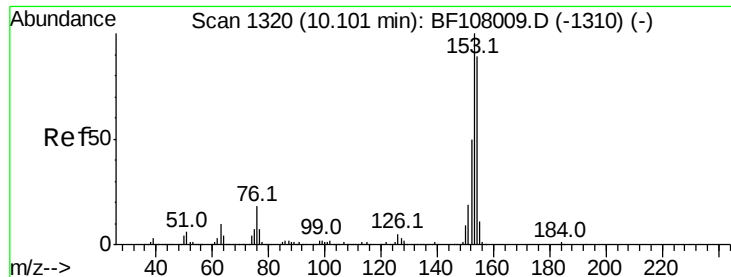
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 6.807 ng

RT: 10.09 min Scan# 1319

Delta R.T. 0.01 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

Instrument :

BNA_F

ClientSampleId :

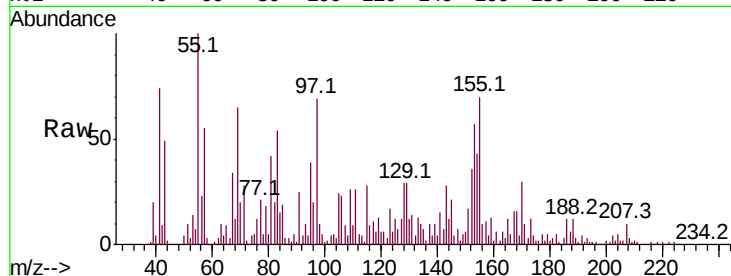
Tot Ion:154 Resp: 89834

Ion Ratio Lower Upper

154 100

153 133.2 91.2 136.8

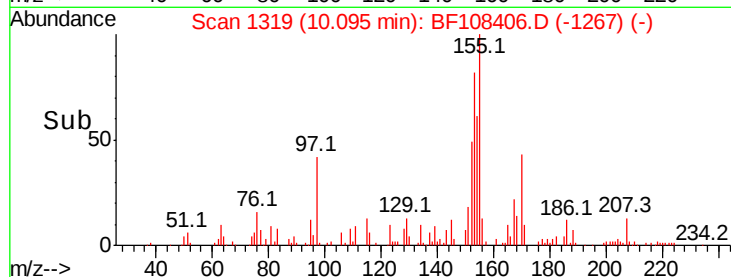
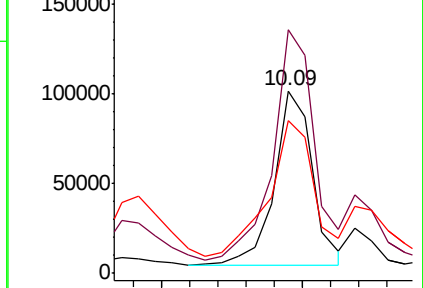
152 83.9 43.8 65.8#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 3.490 ng

RT: 10.01 min Scan# 1305

Delta R.T. 0.01 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

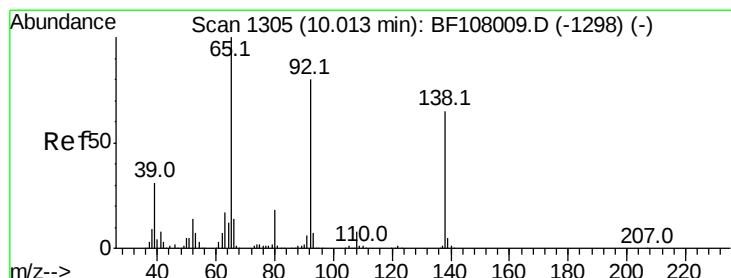
Tgt Ion:138 Resp: 13016

Ion Ratio Lower Upper

138 100

108 69.1 9.4 14.0#

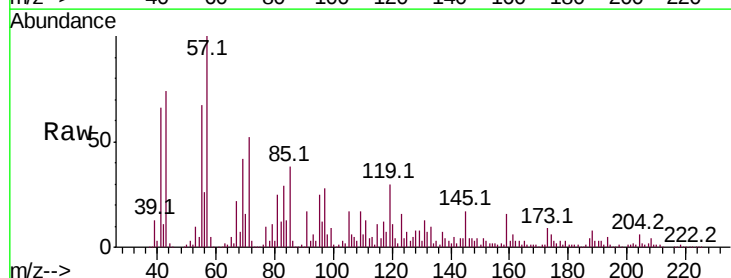
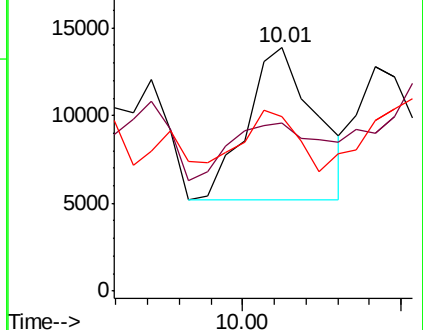
92 71.9 89.4 134.2#

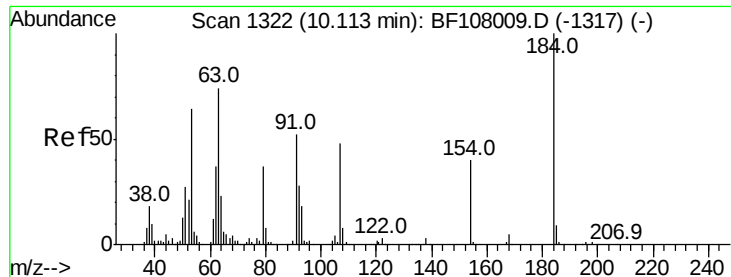


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

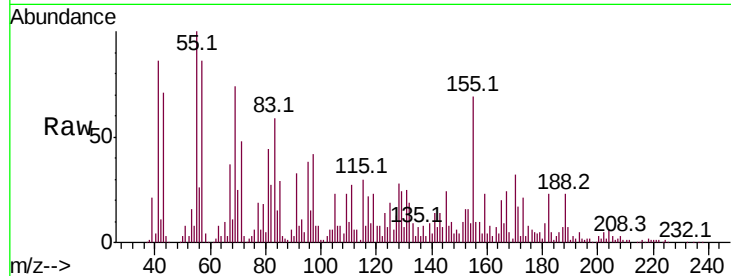




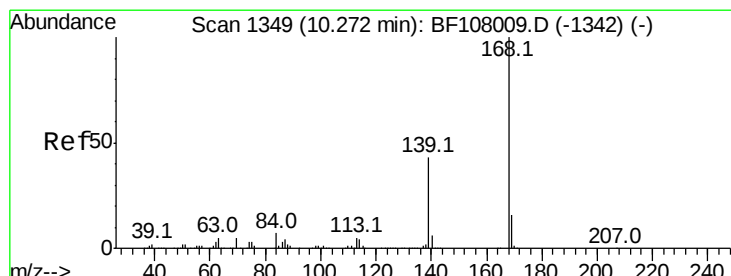
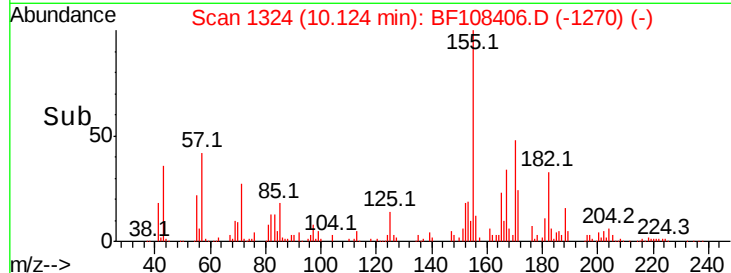
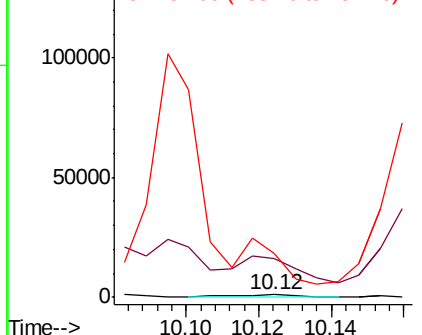
#53
 2,4-Dinitrophenol
 Concen: 8.176 ng
 RT: 10.12 min Scan# 1324
 Delta R.T. 0.02 min
 Lab File: BF108406.D
 Acq: 23 Aug 2018 3:32

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:184 Resp: 1616
 Ion Ratio Lower Upper
 184 100
 63 1513.9 54.2 81.2#
 154 1691.3 184.0 276.0#

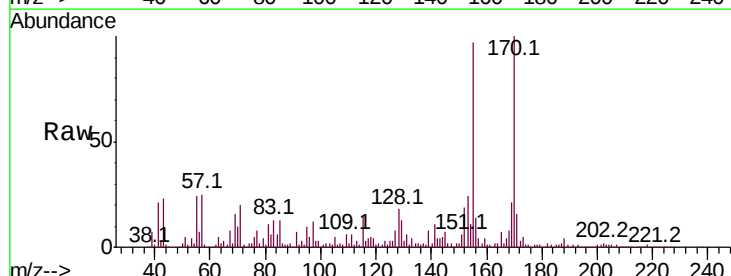


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

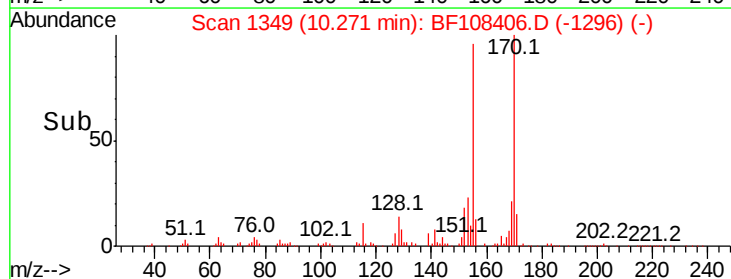
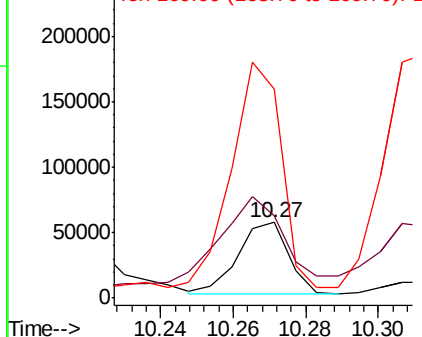


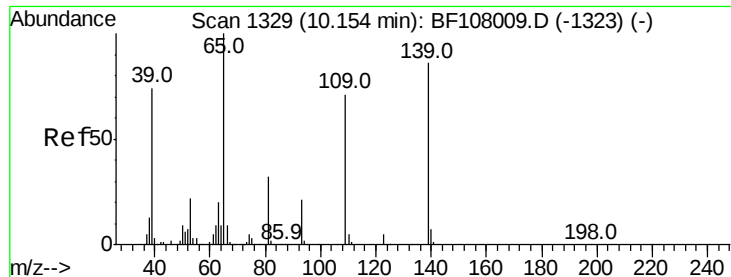
#54
 Dibenzofuran
 Concen: 2.780 ng
 RT: 10.27 min Scan# 1349
 Delta R.T. 0.01 min
 Lab File: BF108406.D
 Acq: 23 Aug 2018 3:32

Tgt Ion:168 Resp: 53148
 Ion Ratio Lower Upper
 168 100
 139 108.5 30.1 45.1#
 169 277.9 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E

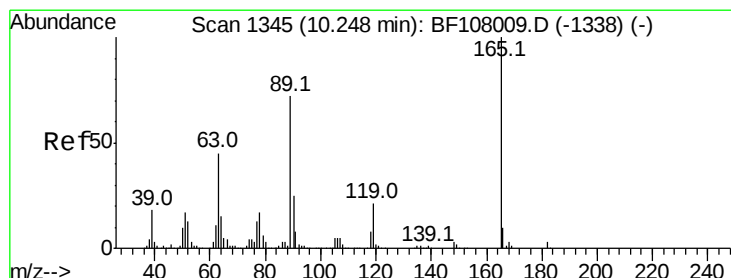
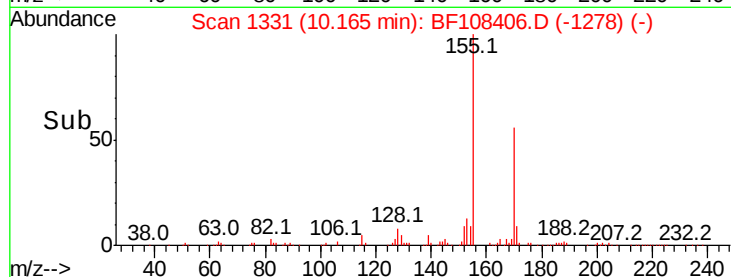
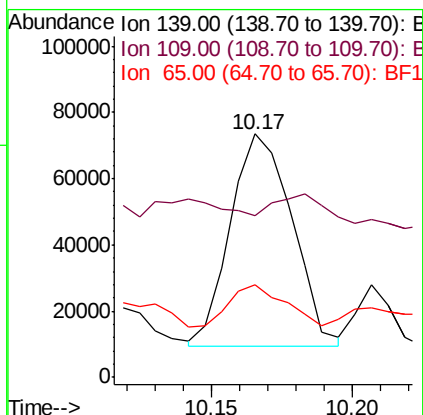
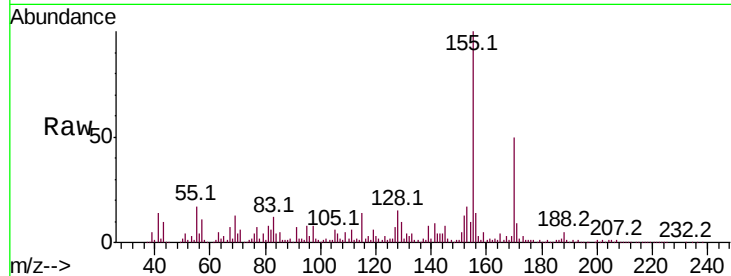




#55
4-Nitrophenol
Concen: 34.695 ng
RT: 10.17 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

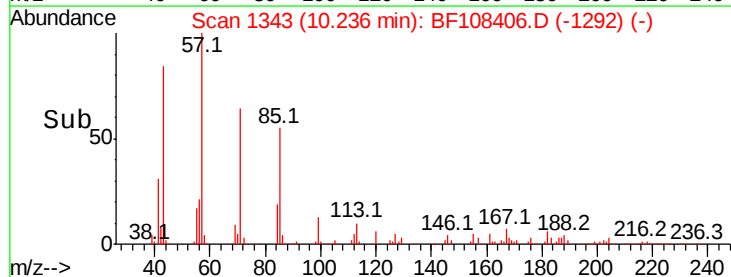
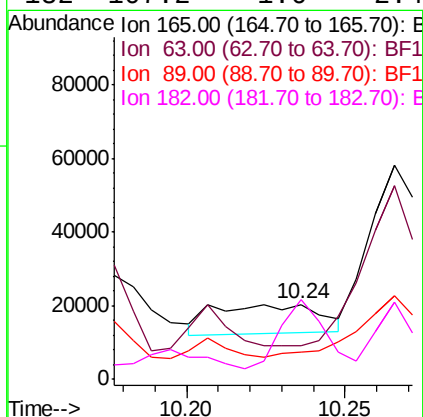
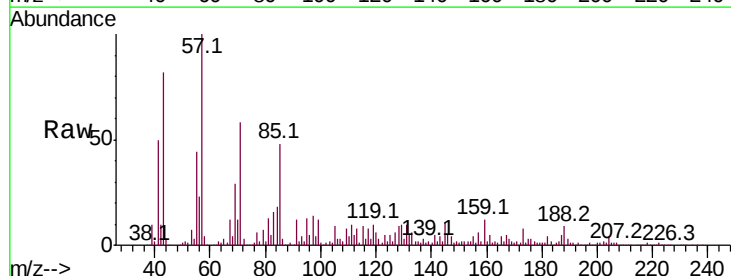
Instrument :
BNA_F
ClientSampled :

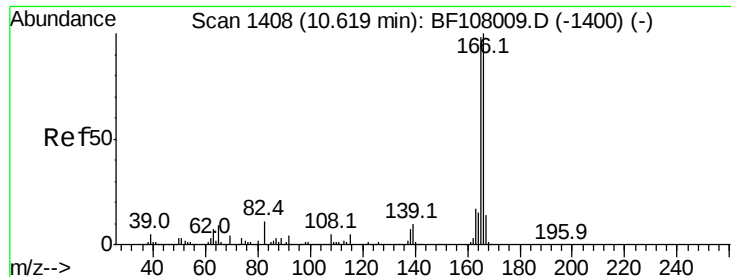
Tot Ion:139 Resp: 97986
Ion Ratio Lower Upper
139 100
109 66.5 48.4 88.4
65 38.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 4.164 ng
RT: 10.24 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

Tgt Ion:165 Resp: 18270
Ion Ratio Lower Upper
165 100
63 44.7 36.4 54.6
89 36.8 57.8 86.6#
182 107.2 1.6 2.4#





#57

Fluorene

Concen: 12.712 ng

RT: 10.62 min Scan# 1408

Delta R.T. 0.02 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

Instrument :

BNA_F

ClientSampleId :

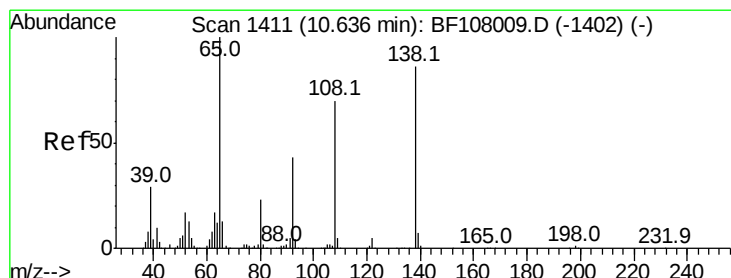
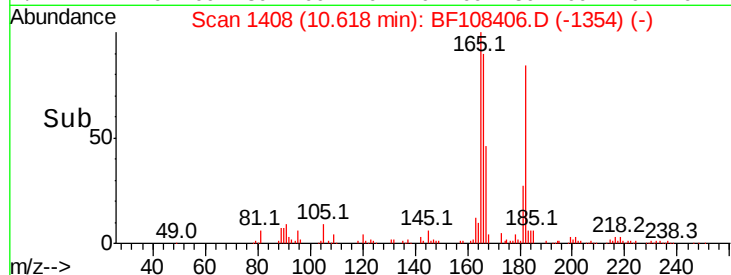
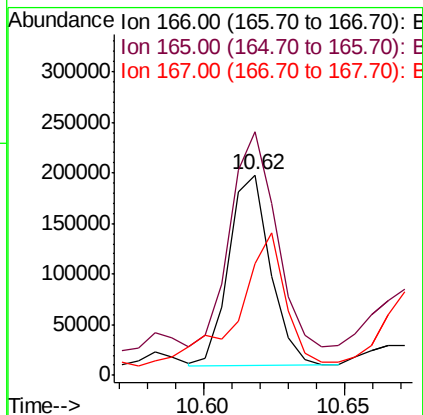
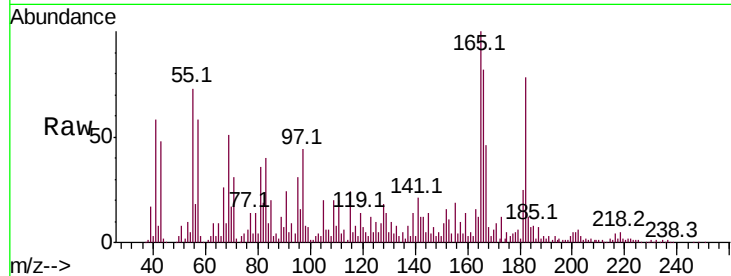
Tot Ion:166 Resp: 192415

Ion Ratio Lower Upper

166 100

165 121.5 79.8 119.8#

167 56.1 10.6 16.0#



#61

4-Nitroaniline

Concen: 3.690 ng

RT: 10.52 min Scan# 1392

Delta R.T. -0.09 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

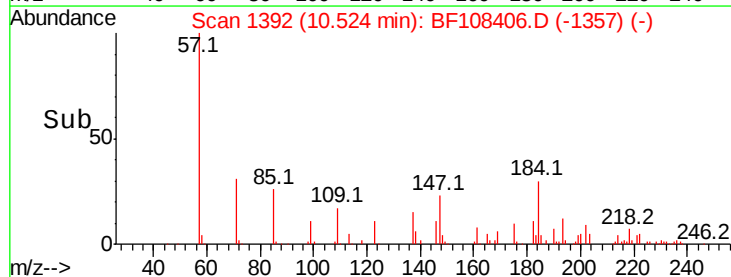
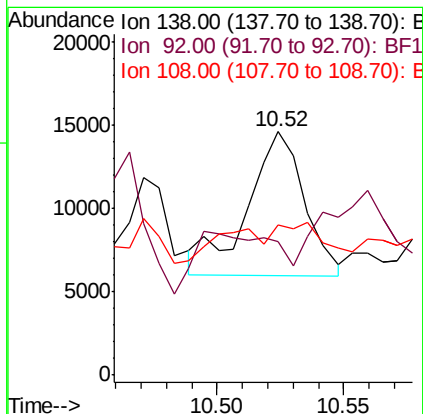
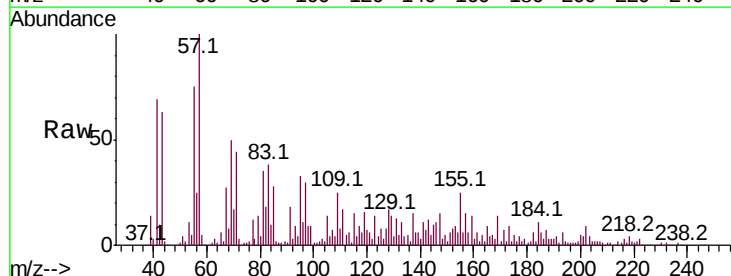
Tgt Ion:138 Resp: 13606

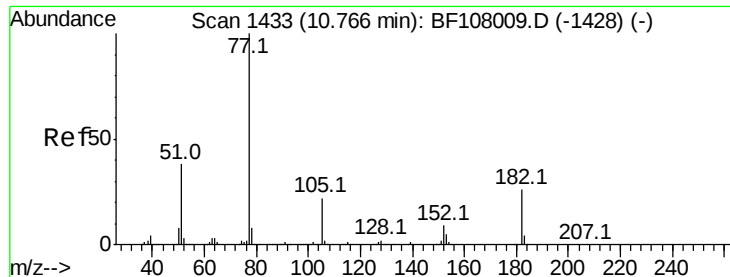
Ion Ratio Lower Upper

138 100

92 54.9 30.2 70.2

108 61.5 52.5 92.5

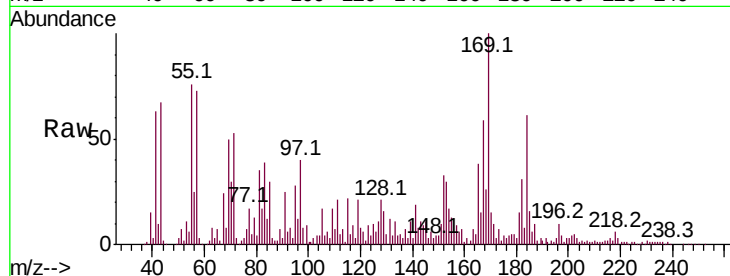




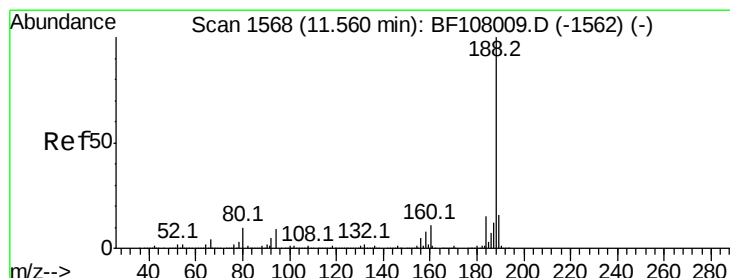
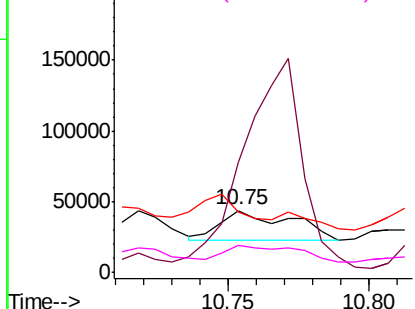
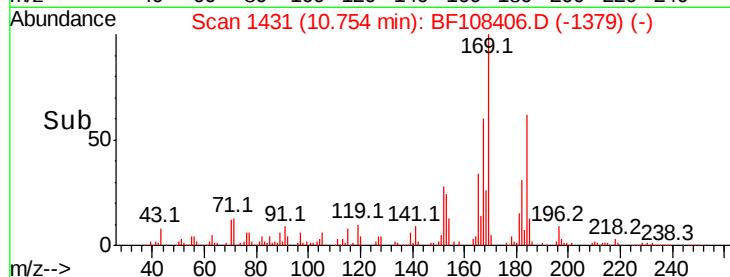
#62
Azobenzene
Concen: 2.185 ng
RT: 10.75 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 35597
Ion Ratio Lower Upper
77 100
182 178.8 1.7 41.7#
105 98.7 3.0 43.0#
51 43.2 9.9 49.9

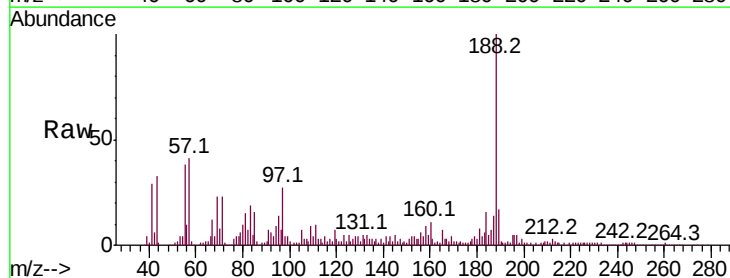


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

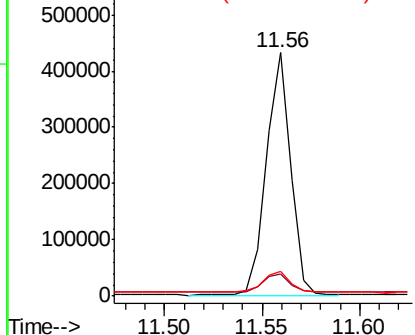
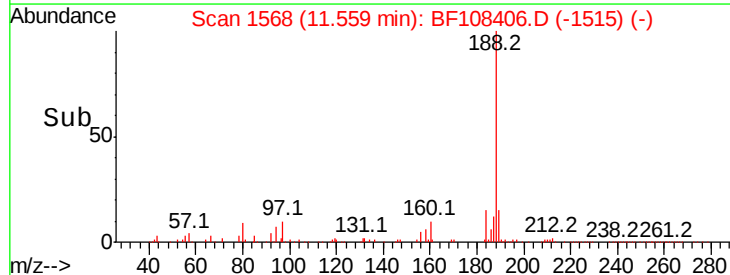


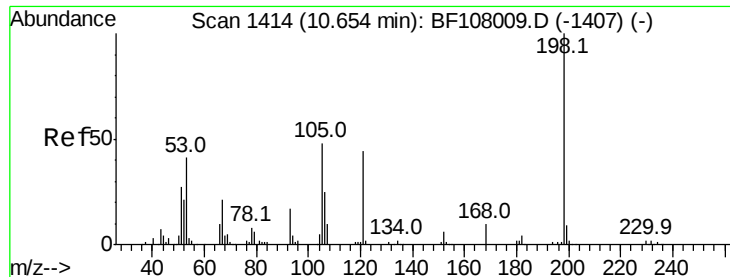
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.01 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

Tgt Ion: 188 Resp: 370343
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 10.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

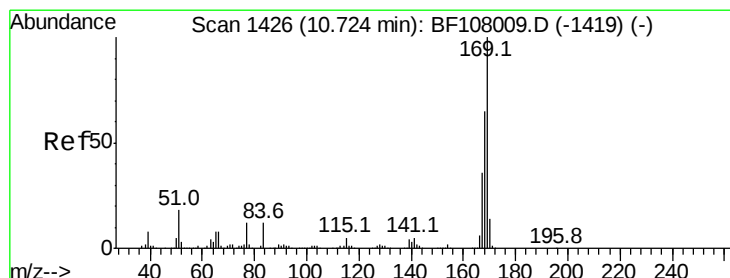
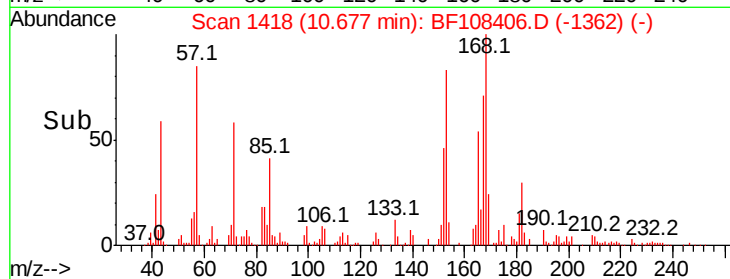
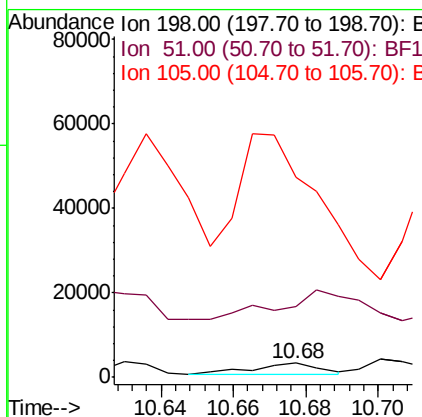
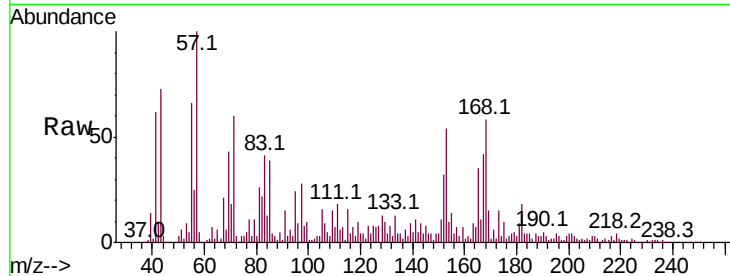




#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.342 ng
 RT: 10.68 min Scan# 1418
 Delta R.T. 0.03 min
 Lab File: BF108406.D
 Acq: 23 Aug 2018 3:32

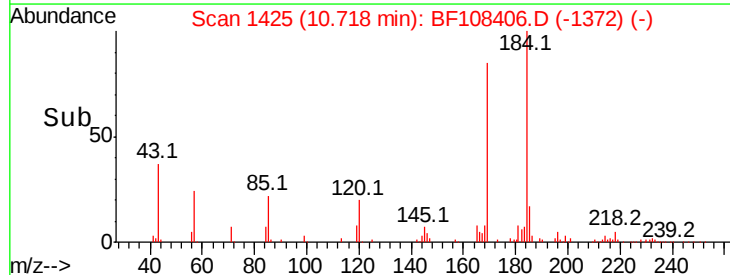
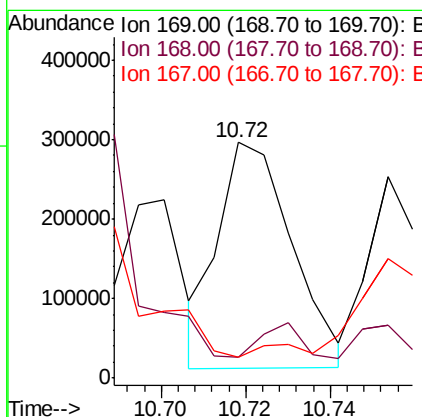
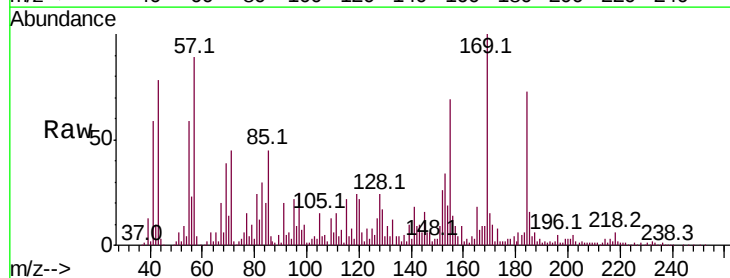
Instrument :
 BNA_F
 ClientSampleId :

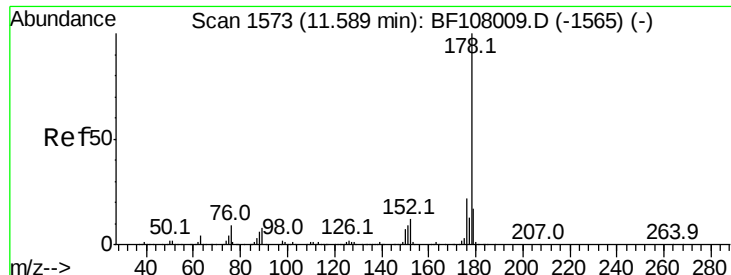
Tot Ion:198 Resp: 3104
 Ion Ratio Lower Upper
 198 100
 51 499.8 37.7 77.7#
 105 1402.7 36.3 76.3#



#65
 n-Nitrosodiphenylamine
 Concen: 31.554 ng
 RT: 10.72 min Scan# 1425
 Delta R.T. 0.01 min
 Lab File: BF108406.D
 Acq: 23 Aug 2018 3:32

Tgt Ion:169 Resp: 345322
 Ion Ratio Lower Upper
 169 100
 168 8.7 54.4 81.6#
 167 9.1 29.8 44.6#





#70

Phenanthrene

Concen: 26.892 ng

RT: 11.58 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

Instrument :

BNA_F

ClientSampleId :

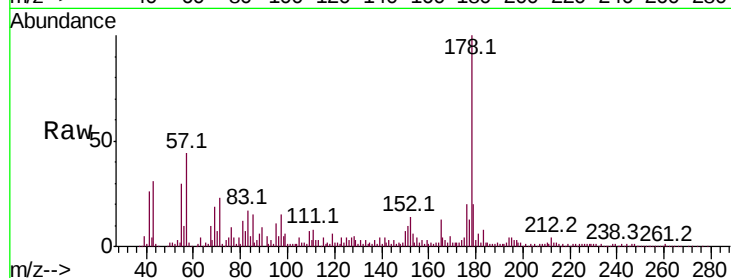
Tot Ion:178 Resp: 469738

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

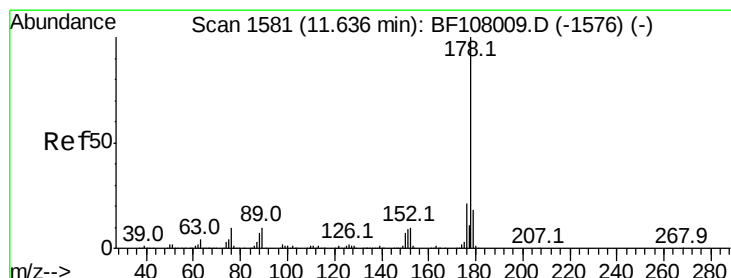
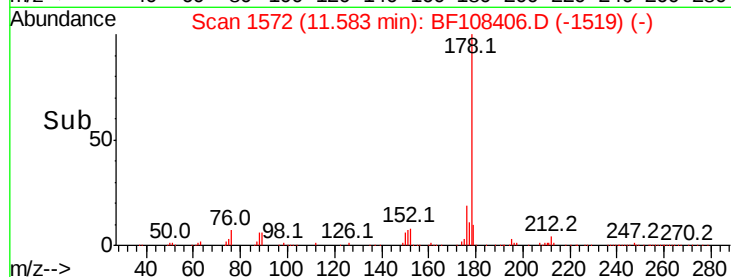
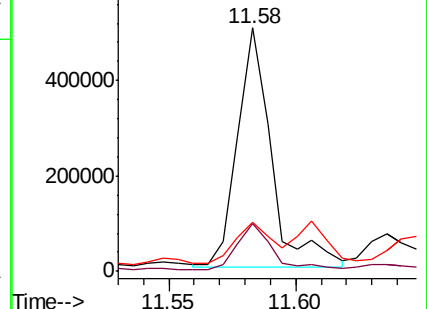
179 19.9 13.0 19.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.806 ng

RT: 11.64 min Scan# 1581

Delta R.T. 0.01 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

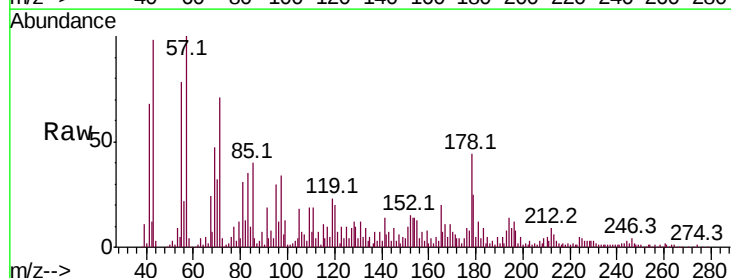
Tgt Ion:178 Resp: 68139

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.2

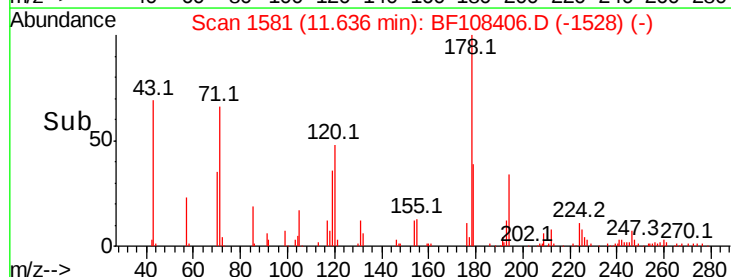
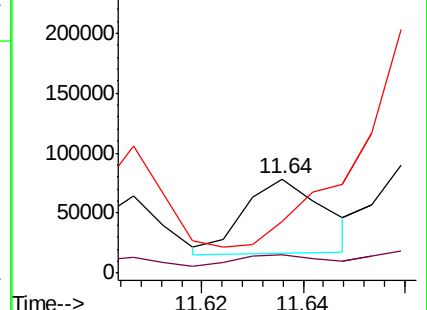
179 55.3 12.6 19.0#

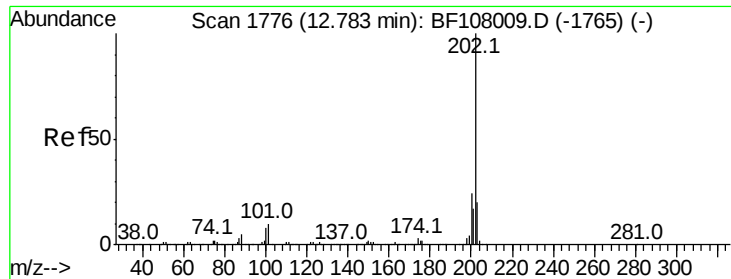


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 17.354 ng

RT: 12.77 min Scan# 1774

Delta R.T. 0.01 min

Lab File: BF108406.D

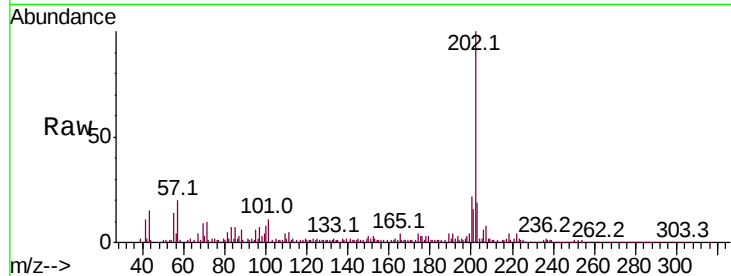
Acq: 23 Aug 2018 3:32

Instrument :

BNA_F

ClientSampled :

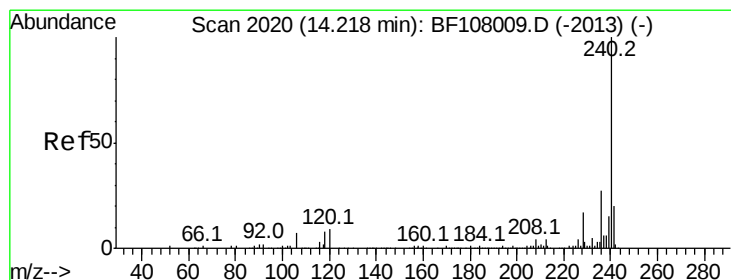
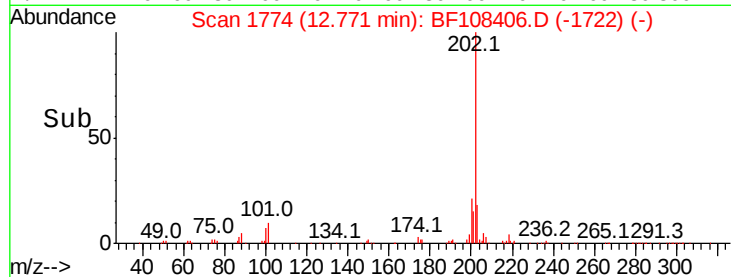
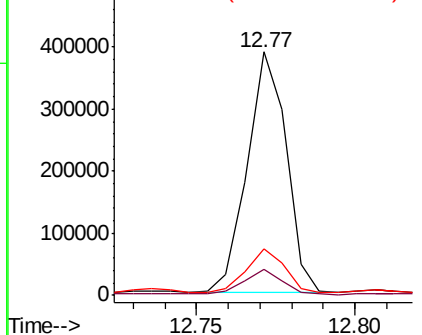
Tot Ion:	202	Resp:	330837
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	18.9	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

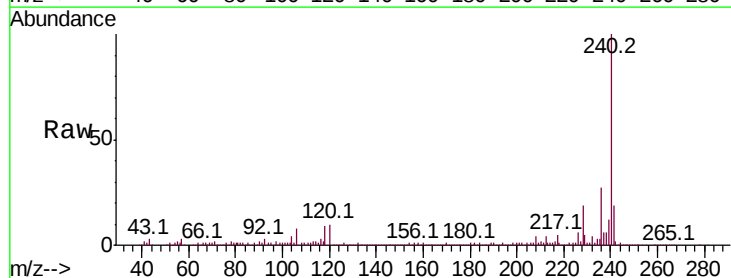
RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

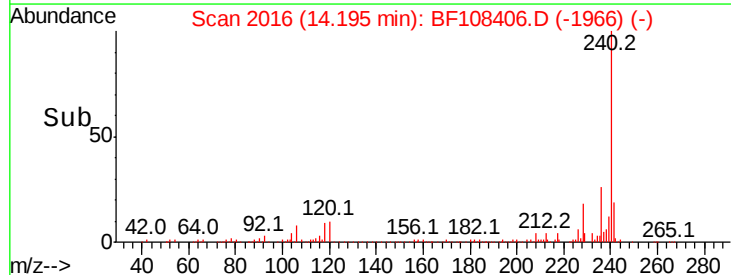
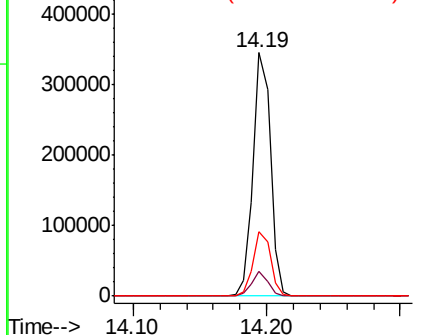
Tgt Ion:	240	Resp:	309305
Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.5	14.3
236	26.6	20.7	31.1

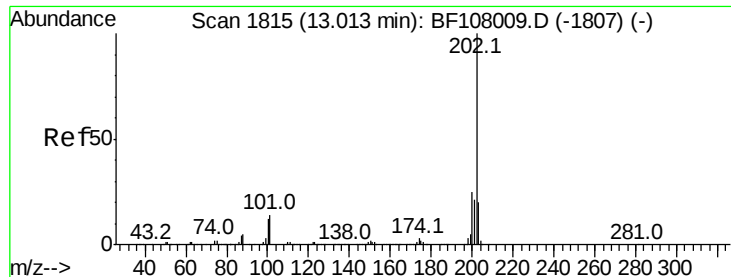


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 16.890 ng

RT: 12.77 min Scan# 1774

Delta R.T. -0.23 min

Lab File: BF108406.D

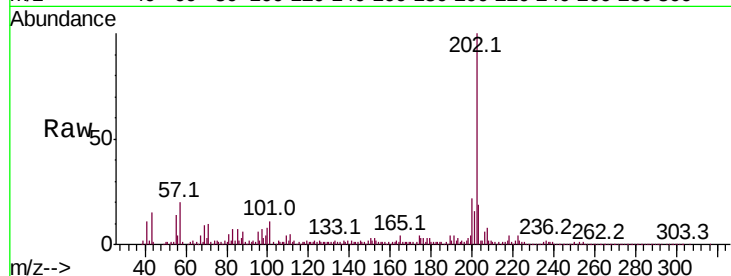
Acq: 23 Aug 2018 3:32

Instrument :

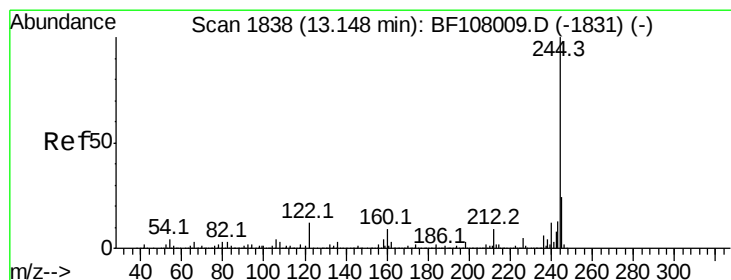
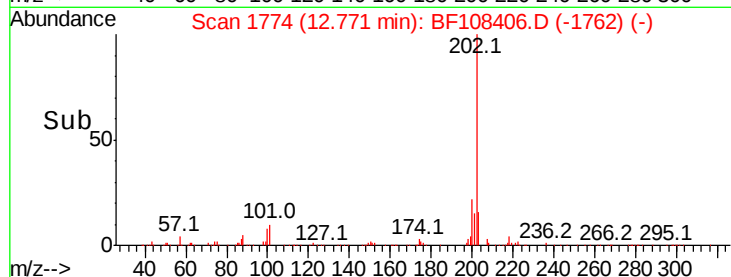
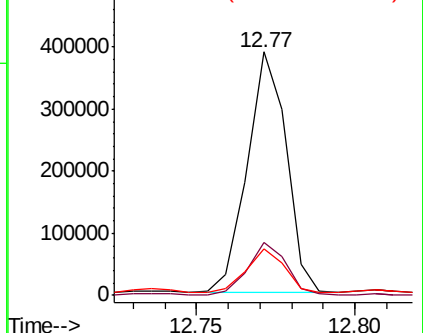
BNA_F

ClientSampled :

Tot Ion:	202	Resp:	330737
Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.9	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 7.113 ng

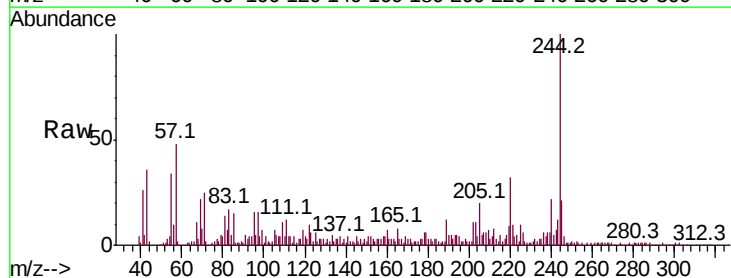
RT: 13.13 min Scan# 1835

Delta R.T. -0.00 min

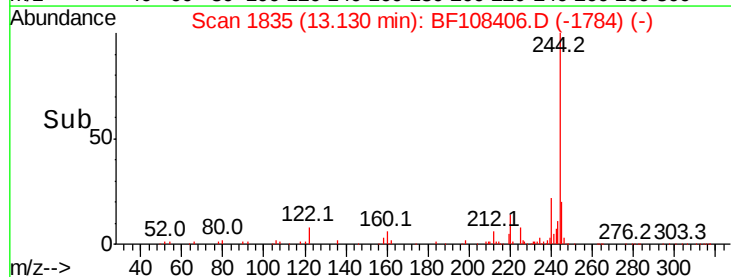
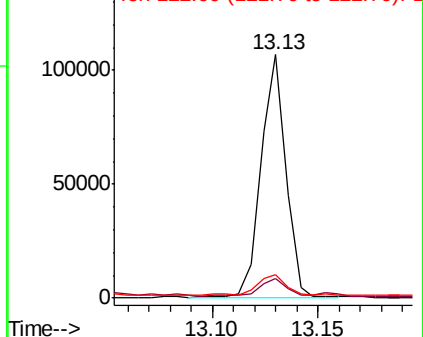
Lab File: BF108406.D

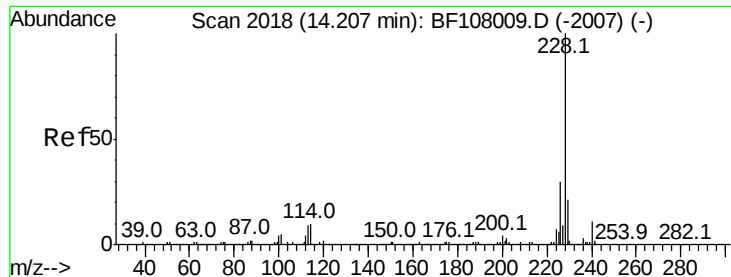
Acq: 23 Aug 2018 3:32

Tgt Ion:	244	Resp:	86533
Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.4	8.0
122	9.7	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.295 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

Instrument :

BNA_F

ClientSampleId :

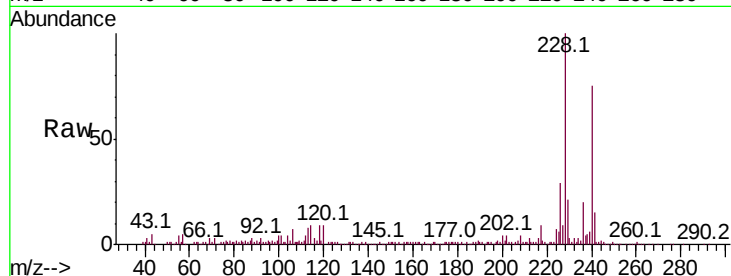
Tot Ion:228 Resp: 182752

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

229 21.3 15.8 23.6

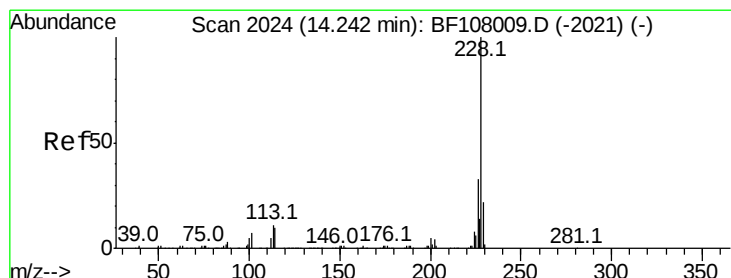
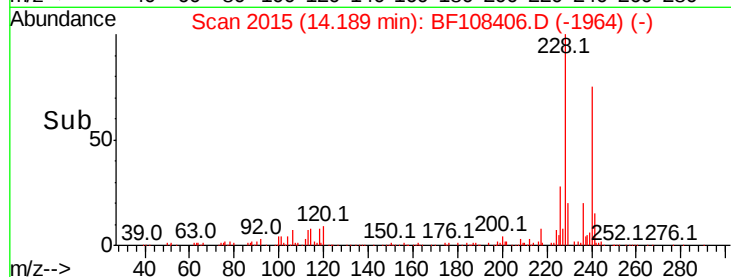
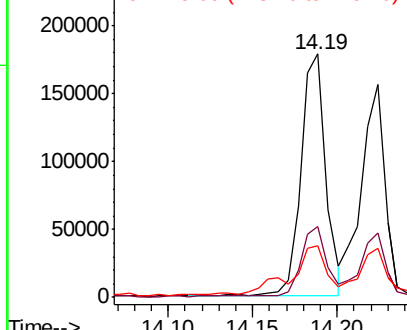


Abundance

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



#82

Chrysene

Concen: 9.406 ng

RT: 14.22 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

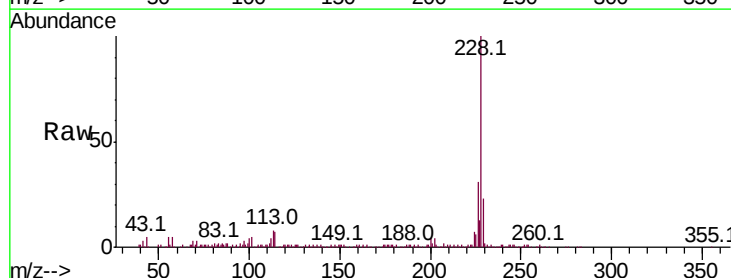
Tgt Ion:228 Resp: 153067

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

229 22.9 16.2 24.4

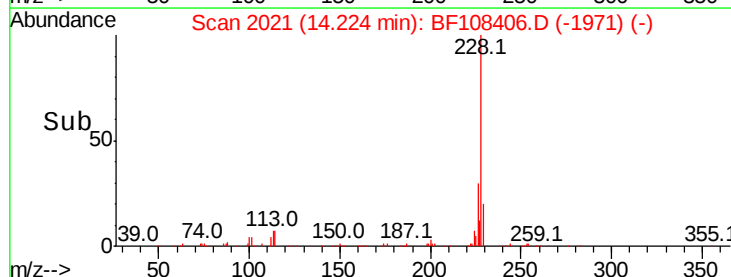
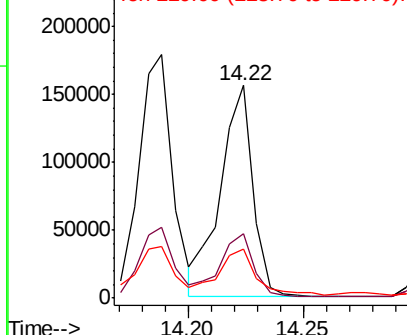


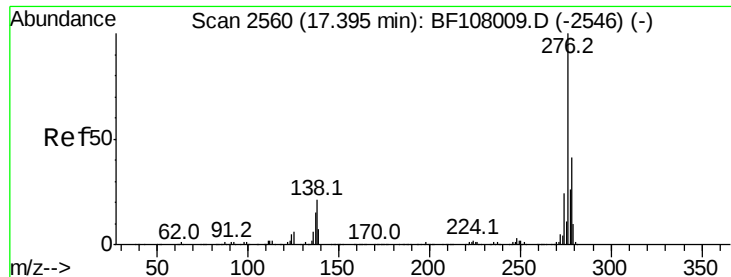
Abundance

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

Indeno(1,2,3-cd)pyrene

Concen: 4.045 ng

RT: 17.35 min Scan# 2553

Delta R.T. -0.02 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

Instrument :

BNA_F

ClientSampleId :

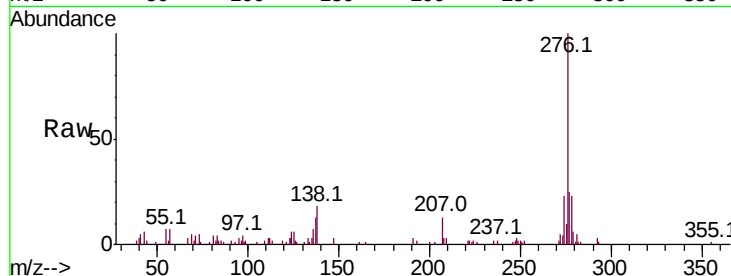
Tot Ion:276 Resp: 57038

Ion Ratio Lower Upper

276 100

138 20.4 25.0 37.6#

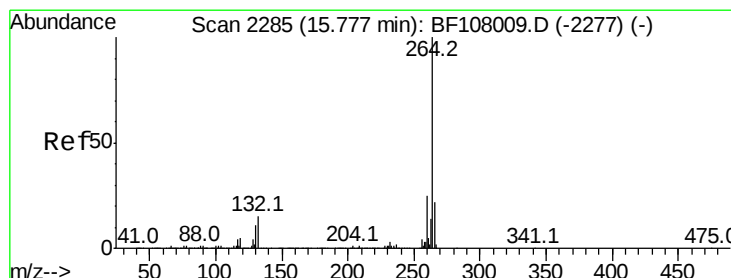
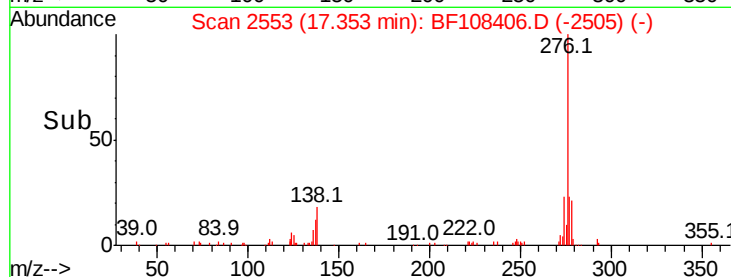
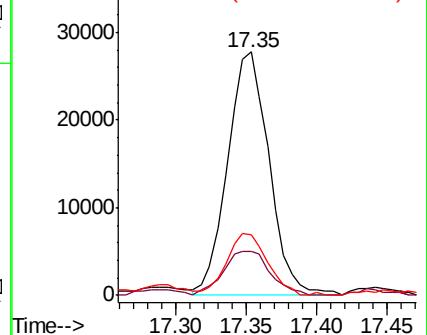
277 24.6 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

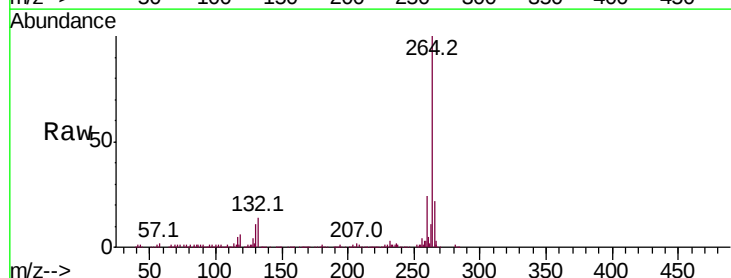
Tgt Ion:264 Resp: 276881

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

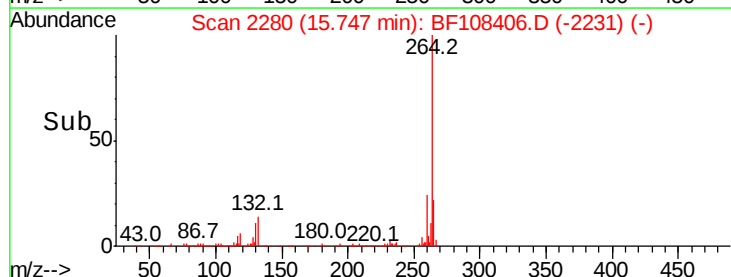
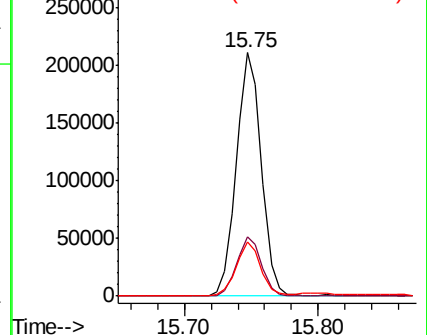
265 22.2 17.5 26.3

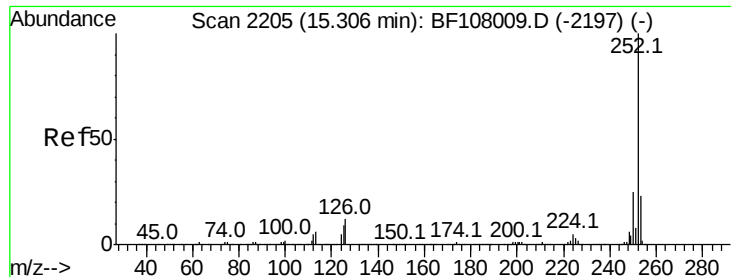


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

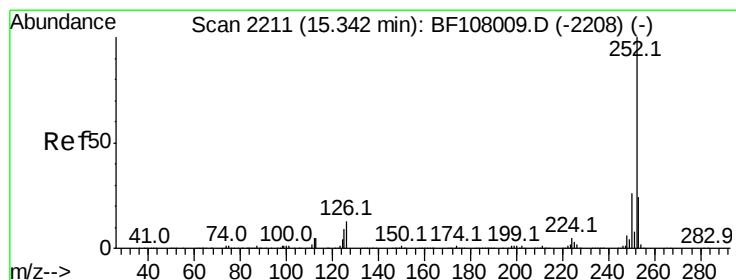
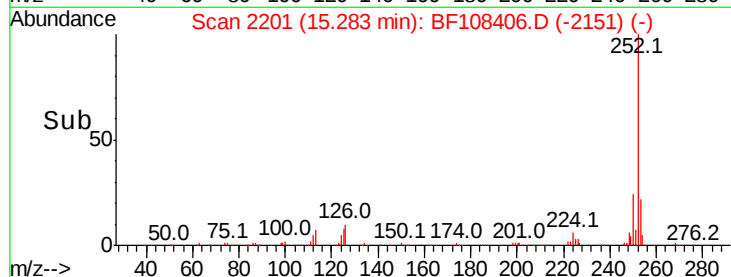
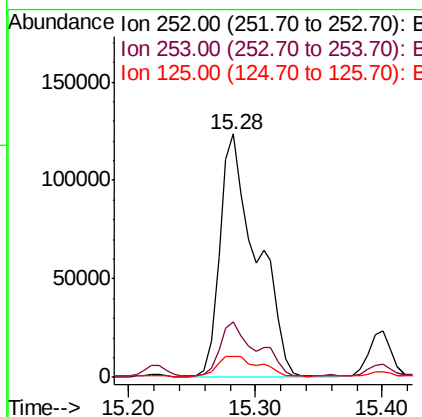
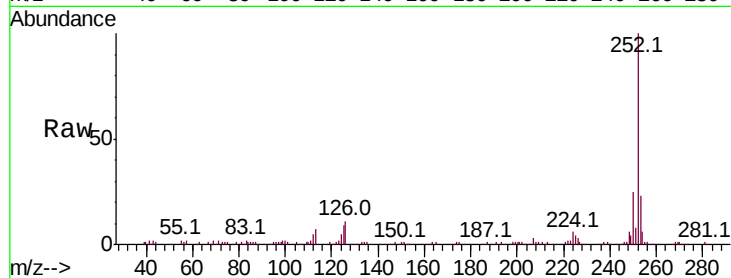




#87
Benzo(b)fluoranthene
Concen: 15.029 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

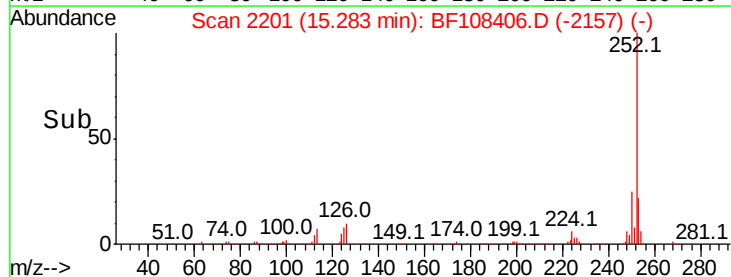
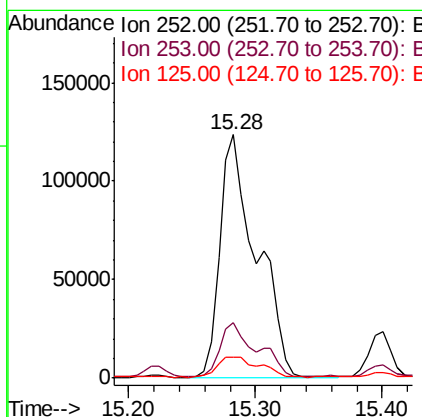
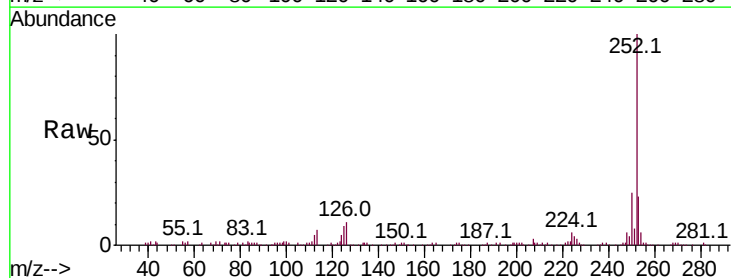
Instrument :
BNA_F
ClientSampleId :

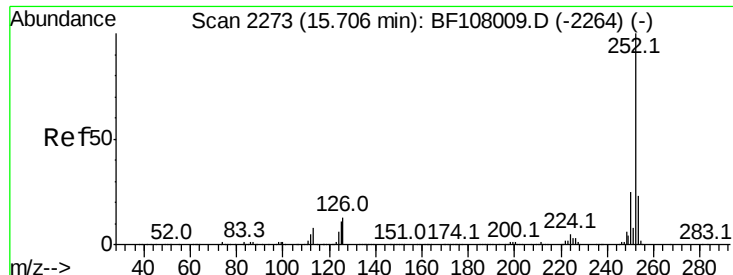
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	8.5	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 16.349 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF108406.D
Acq: 23 Aug 2018 3:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	8.5	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 8.341 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF108406.D

Acq: 23 Aug 2018 3:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 123569

Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

125 10.7 9.8 14.6

