

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098563.D
 Acq On : 15 Sep 2017 12:19
 Operator : SJ/JU
 Sample : I5160-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-4

Quant Time: Sep 15 13:24:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 15 13:23:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	149832	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	602836	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	256510	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	395876	20.00	ng	0.00
75) Chrysene-d12	13.80	240	277110	20.00	ng	0.00
86) Perylene-d12	15.21	264	289597	20.00	ng	0.01

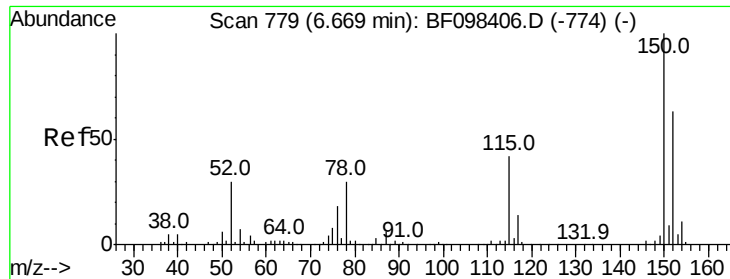
System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	1033677	102.00	ng	0.02
7) Phenol-d6	6.31	99	1276111	99.18	ng	0.01
23) Nitrobenzene-d5	7.22	82	783558	72.46	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	190808	111.45	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1272061	84.05	ng	0.00
78) Terphenyl-d14	12.75	244	749941	58.41	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.32	94	30777	2.059	ng	# 28
19) n-Nitroso-di-n-propylamine	7.22	70	106072	13.106	ng	# 78
25) Isophorone	7.22	82	783308	35.803	ng	# 67
31) Naphthalene	7.95	128	290448	9.746	ng	# 99
32) Benzoic acid	7.75	122	3974	8.491	ng	# 1
33) 4-Chloroaniline	7.95	127	37875	3.127	ng	# 33
37) 2-Methylnaphthalene	8.64	142	208155	11.531	ng	100
48) Acenaphthylene	9.54	152	91889	3.769	ng	97
49) Dimethylphthalate	9.40	163	237599	11.966	ng	99
53) 2,4-Dinitrophenol	9.87	184	122	8.581	ng	# 1
54) Dibenzofuran	9.89	168	110747	5.424	ng	# 96
57) Fluorene	10.23	166	34239	2.026	ng	# 98
64) 4,6-Dinitro-2-methylphenol	10.30	198	116	5.007	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	14363	3.823	ng	# 1
69) Pentachlorophenol	10.99	266	116	7.001	ng	# 18
70) Phenanthrene	11.19	178	369121	17.588	ng	99
71) Anthracene	11.24	178	186027	8.634	ng	98
72) Carbazole	11.40	167	41021	2.043	ng	97
74) Fluoranthene	12.37	202	562697	26.783	ng	99
77) Pvrene	12.60	202	529207	24.209	ng	99
80) Benzo(a)anthracene	13.79	228	318098	19.580	ng	95
82) Chrysene	13.83	228	341025	20.766	ng	96
83) Bis(2-ethylhexyl)phthalate	13.79	149	36665	3.081	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.55	276	176564	15.324	ng	# 90
87) Benzo(b)fluoranthene	14.82	252	723994	39.760	ng	99
88) Benzo(k)fluoranthene	14.82	252	723994	42.590	ng	97
89) Benzo(a)pyrene	15.15	252	284027	17.508	ng	99
90) Dibenzo(a,h)anthracene	16.55	278	56298	4.771	ng	# 71
91) Benzo(g,h,i)perylene	16.95	276	153215	12.909	ng	95

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

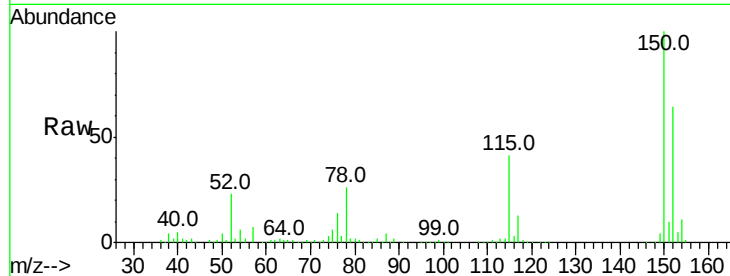


#1

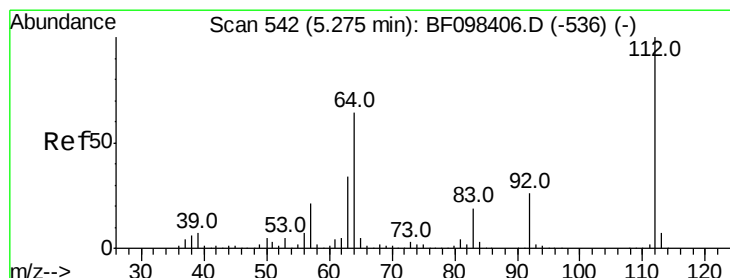
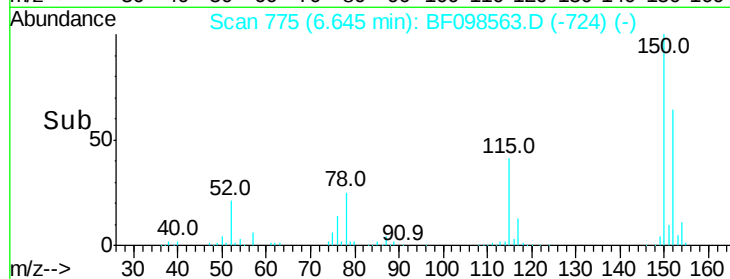
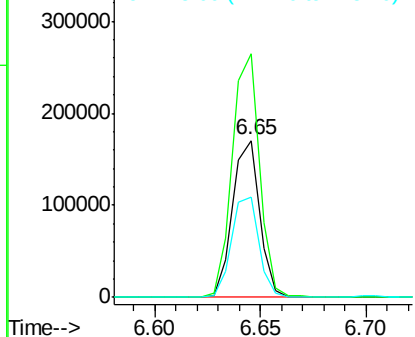
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. 0.00 min
Lab File: BF098563.D
Acq: 15 Sep 2017 12:19

Instrument :
BNA_F
ClientSampleId :
G-4

Tot Ion:152 Resp: 149832
Ion Ratio Lower Upper
152 100
150 155.4 126.2 189.2
115 64.1 52.2 78.2



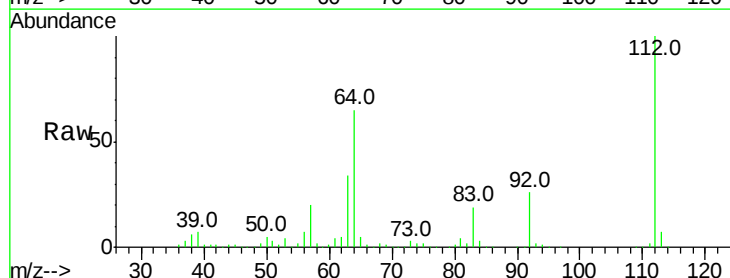
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



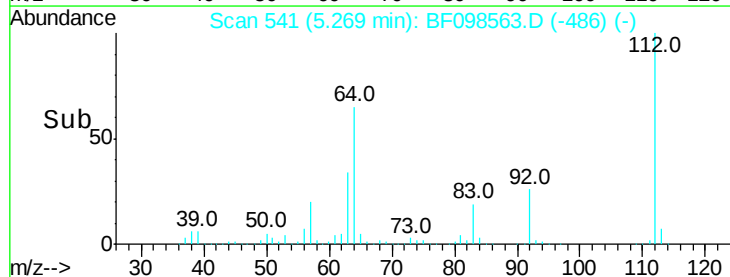
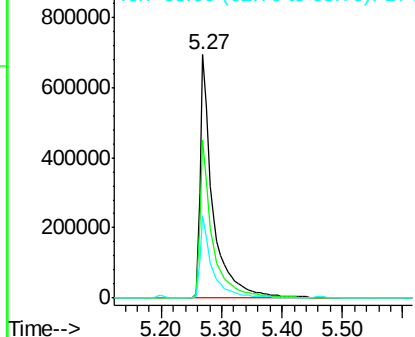
#5

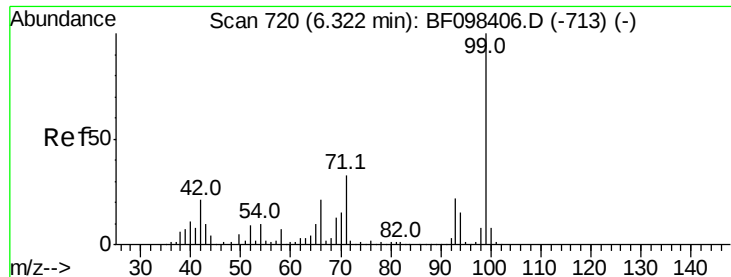
2-Fluorophenol
Concen: 102.002 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.02 min
Lab File: BF098563.D
Acq: 15 Sep 2017 12:19

Tgt Ion:112 Resp: 1033677
Ion Ratio Lower Upper
112 100
64 64.8 46.0 69.0
63 33.9 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.180 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

Instrument :

BNA_F

ClientSampleId :

G-4

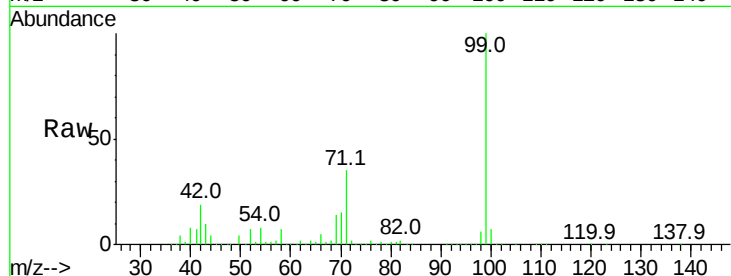
Tot Ion: 99 Resp: 1276111

Ion Ratio Lower Upper

99 100

42 18.9 13.5 20.3

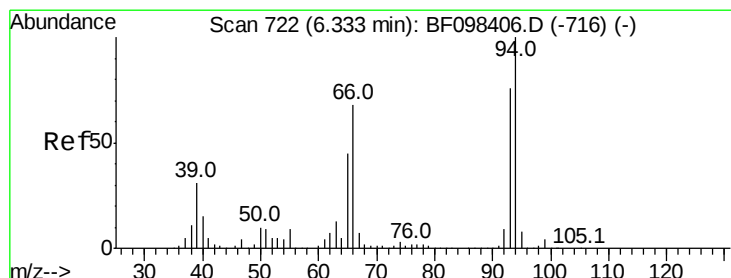
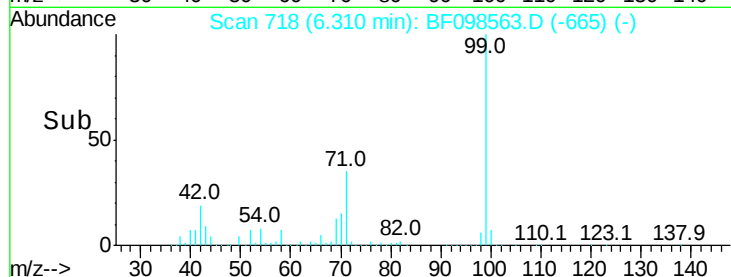
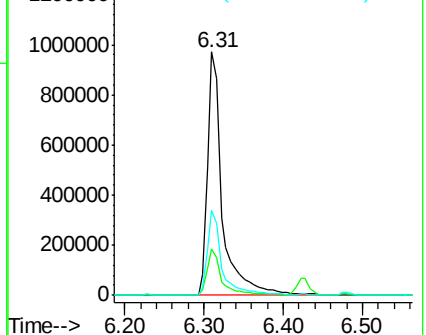
71 34.6 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.059 ng

RT: 6.32 min Scan# 720

Delta R.T. 0.01 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

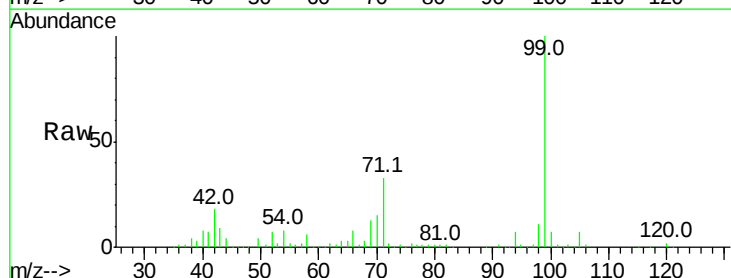
Tgt Ion: 94 Resp: 30777

Ion Ratio Lower Upper

94 100

65 47.2 9.9 49.9

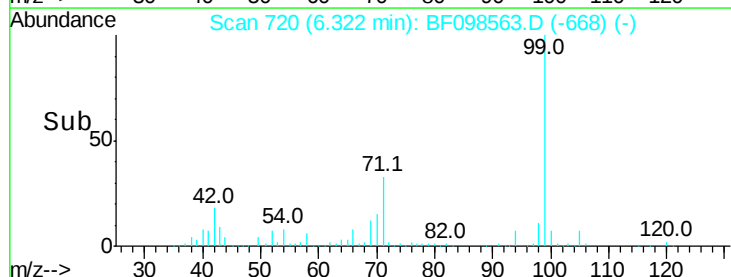
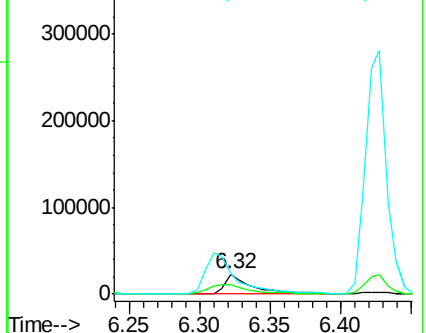
66 107.1 23.1 63.1#

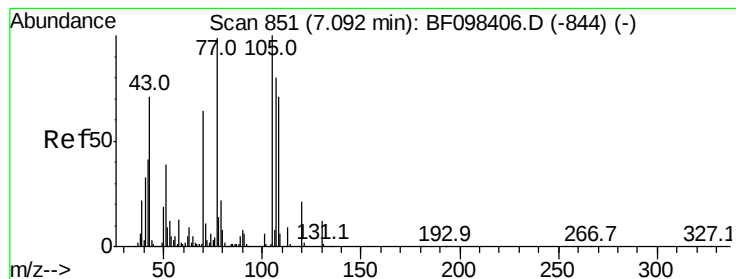


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 13.106 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.14 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

Instrument :

BNA_F

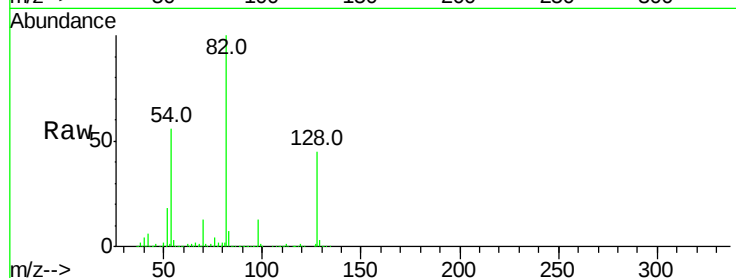
ClientSampleId :

G-4

Tot Ion: 70 Resp: 106072

Ion Ratio Lower Upper

70	100		
42	47.6	47.2	70.8
101	0.0	7.2	10.8#
130	1.7	15.9	23.9#

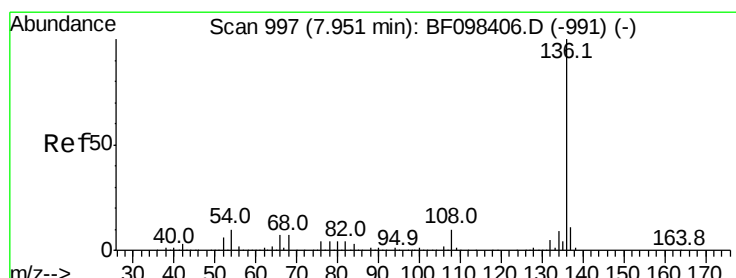
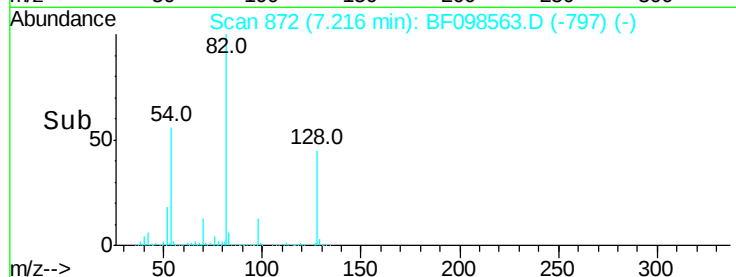
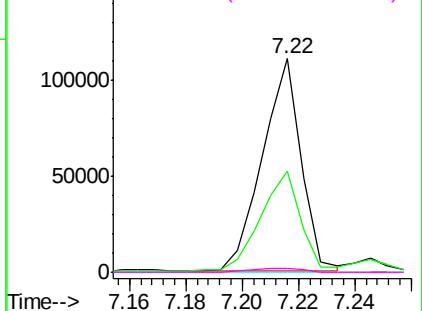


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

Tgt Ion: 136 Resp: 602836

Ion Ratio Lower Upper

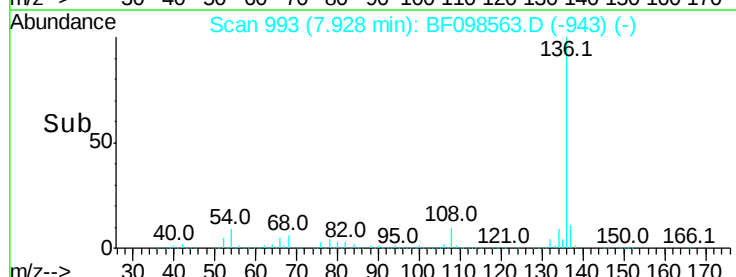
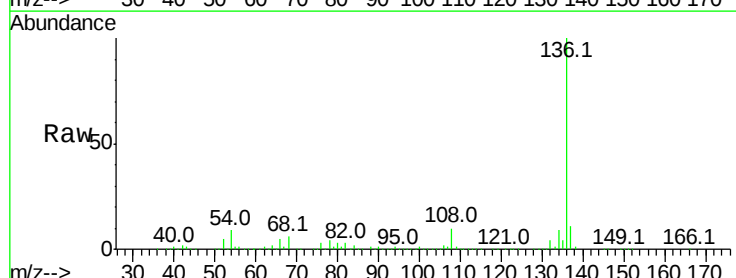
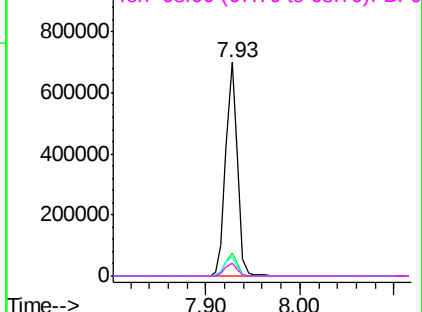
136	100		
137	10.9	8.5	12.7
54	9.2	4.9	7.3#
68	5.9	4.1	6.1

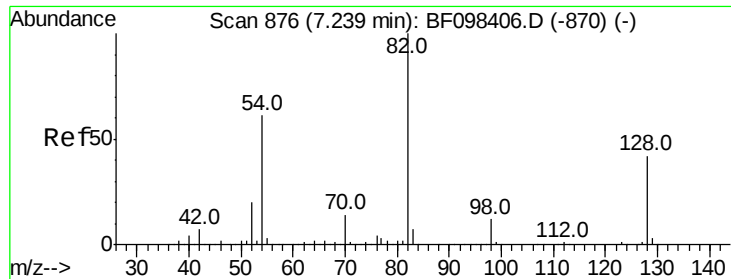
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 72.463 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

Instrument :

BNA_F

ClientSampleId :

G-4

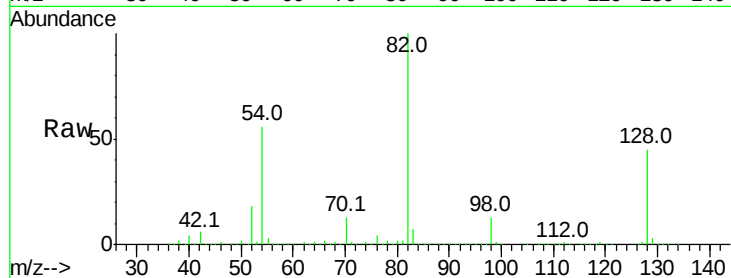
Tot Ion: 82 Resp: 783558

Ion Ratio Lower Upper

82 100

128 44.8 34.0 51.0

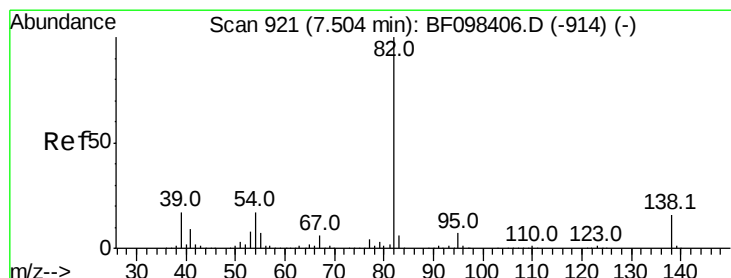
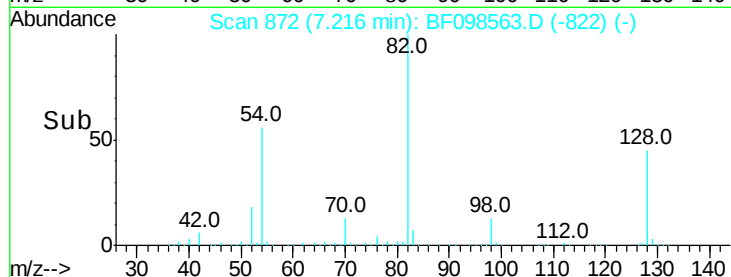
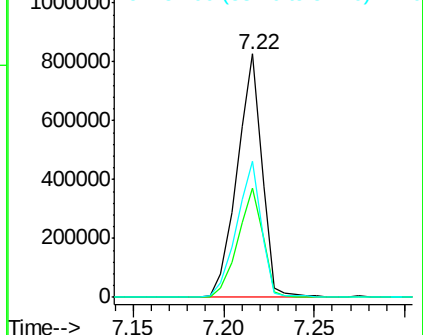
54 55.8 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 35.803 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.26 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

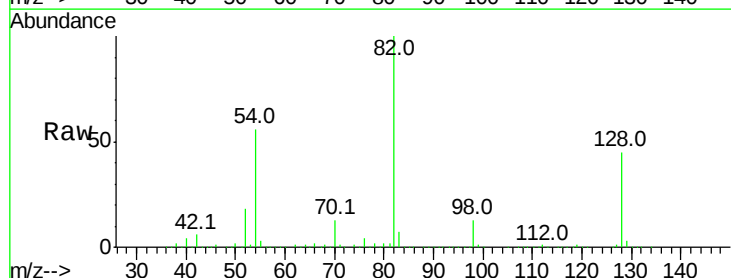
Tgt Ion: 82 Resp: 783308

Ion Ratio Lower Upper

82 100

95 0.3 5.3 7.9#

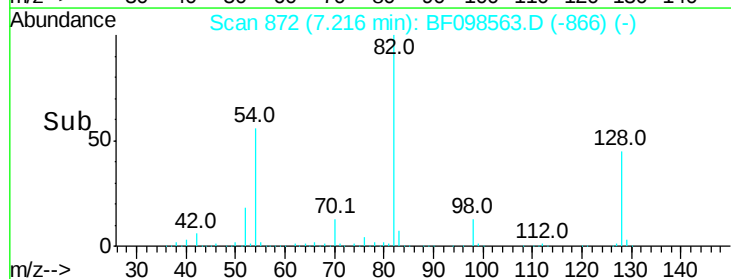
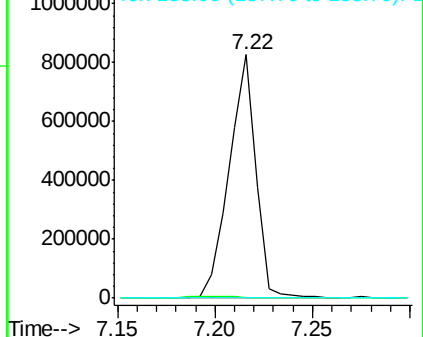
138 0.0 13.1 19.7#

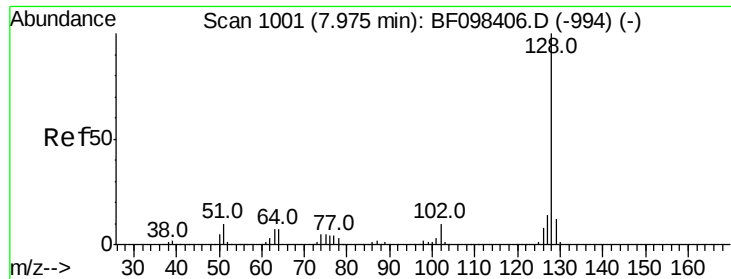


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

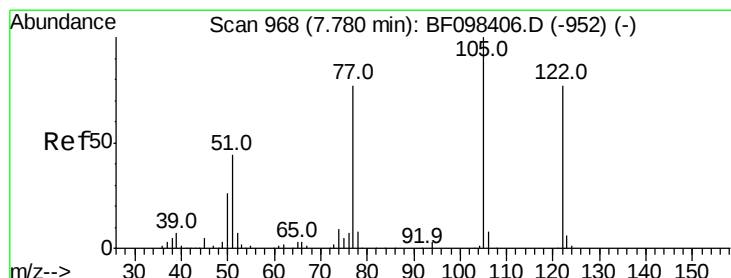
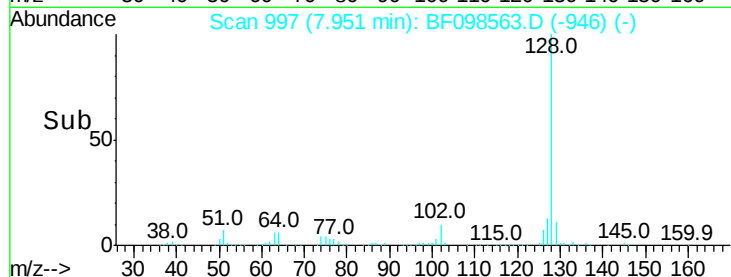
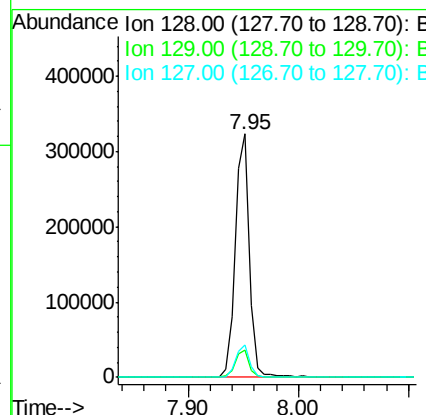
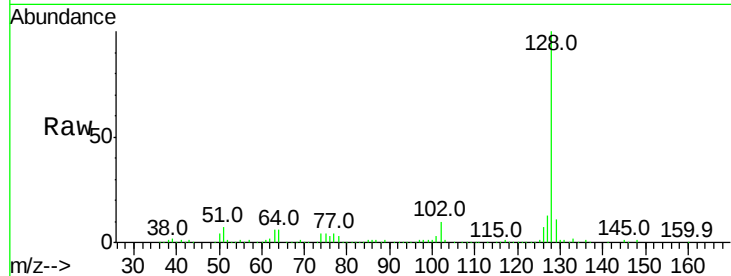




#31
Naphthalene
Concen: 9.746 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF098563.D
Acq: 15 Sep 2017 12:19

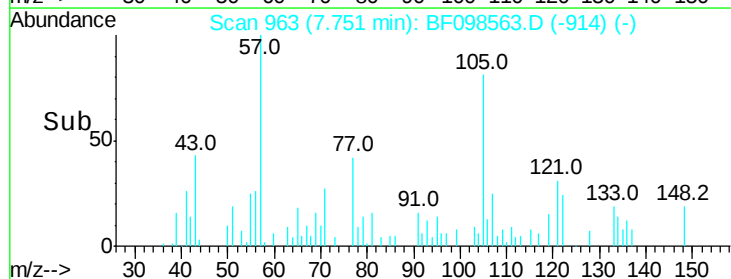
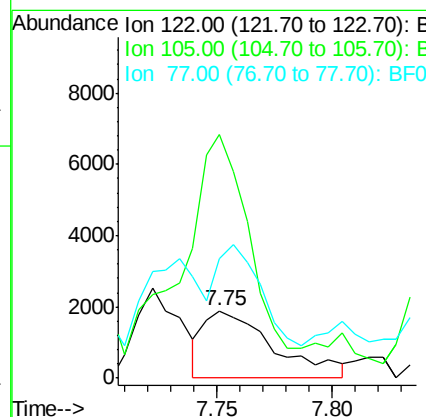
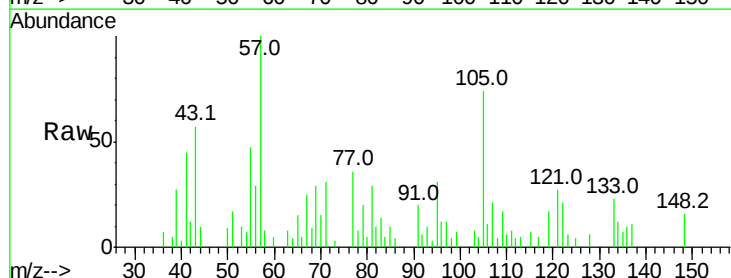
Instrument :
BNA_F
ClientSampleId :
G-4

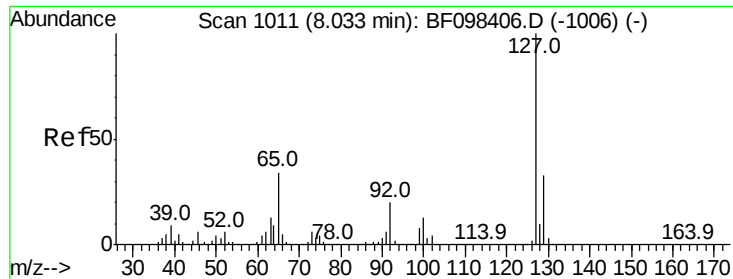
Tot Ion:128 Resp: 290448
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.2 10.8 16.2



#32
Benzoic acid
Concen: 8.491 ng
RT: 7.75 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF098563.D
Acq: 15 Sep 2017 12:19

Tgt Ion:122 Resp: 3974
Ion Ratio Lower Upper
122 100
105 362.0 103.3 143.3#
77 177.9 73.7 113.7#

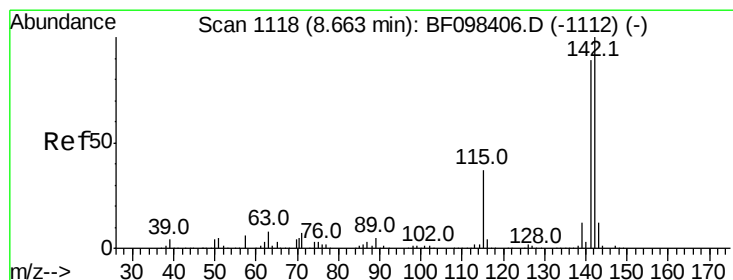
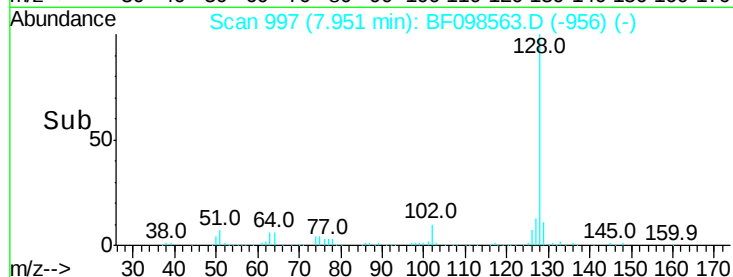
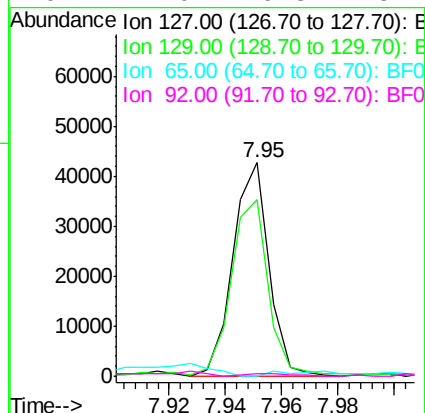
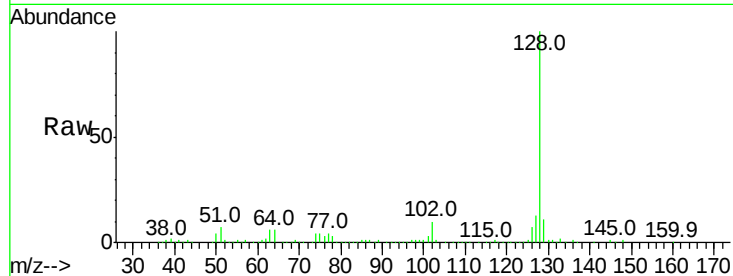




#33
 4-Chloroaniline
 Concen: 3.127 ng
 RT: 7.95 min Scan# 997
 Delta R.T. -0.06 min
 Lab File: BF098563.D
 Acq: 15 Sep 2017 12:19

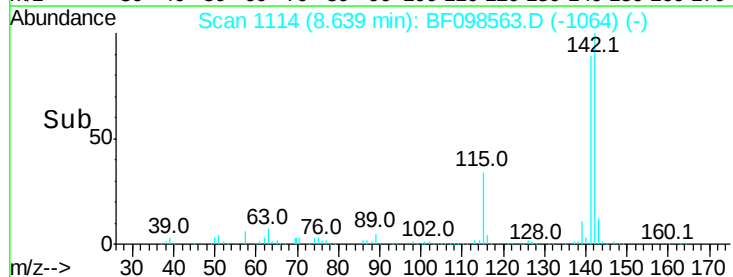
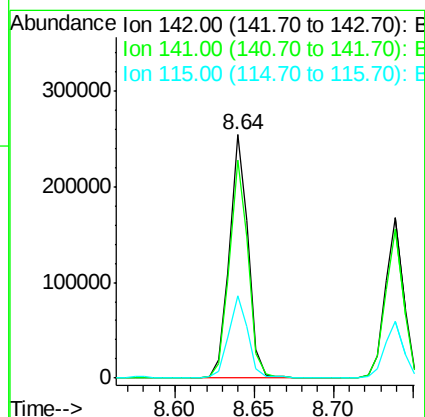
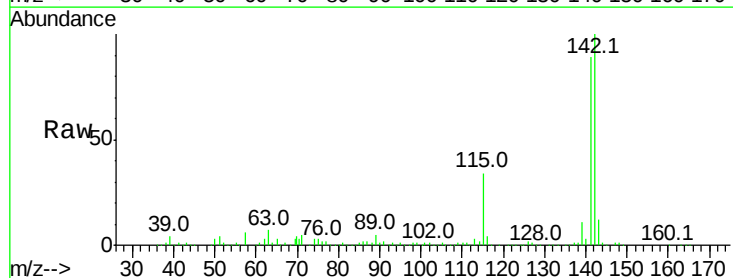
Instrument :
 BNA_F
 ClientSampleId :
 G-4

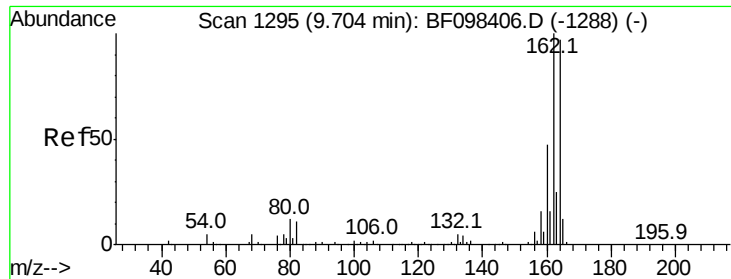
Tot Ion:	127	Resp:	37875
Ion	Ratio	Lower	Upper
127	100		
129	83.0	26.2	39.2#
65	0.0	27.8	41.8#
92	1.0	16.8	25.2#



#37
 2-Methylnaphthalene
 Concen: 11.531 ng
 RT: 8.64 min Scan# 1114
 Delta R.T. -0.01 min
 Lab File: BF098563.D
 Acq: 15 Sep 2017 12:19

Tgt Ion:	142	Resp:	208155
Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.3	106.9
115	34.1	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.68 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

Instrument :

BNA_F

ClientSampleId :

G-4

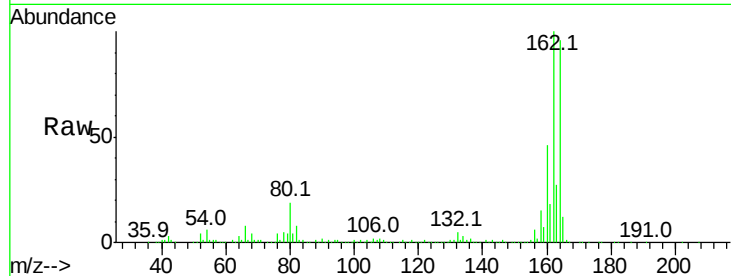
Tot Ion:164 Resp: 256510

Ion Ratio Lower Upper

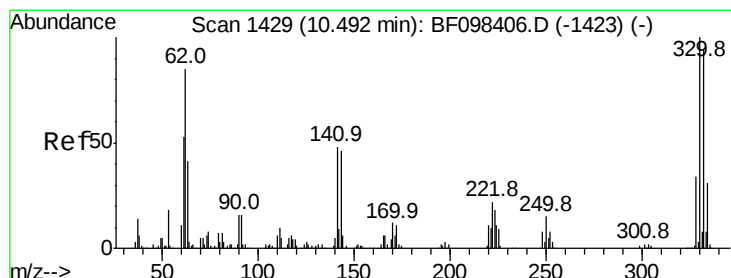
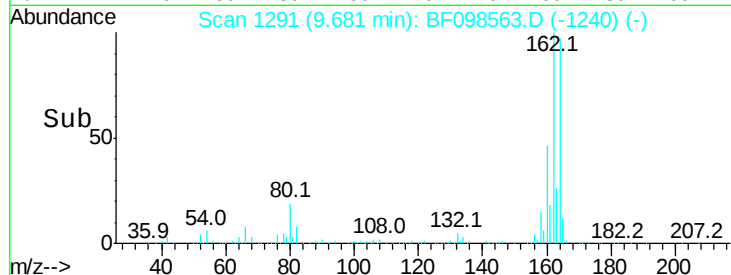
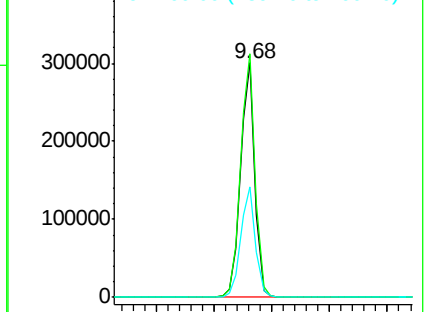
164 100

162 103.8 82.6 123.8

160 47.3 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 111.454 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

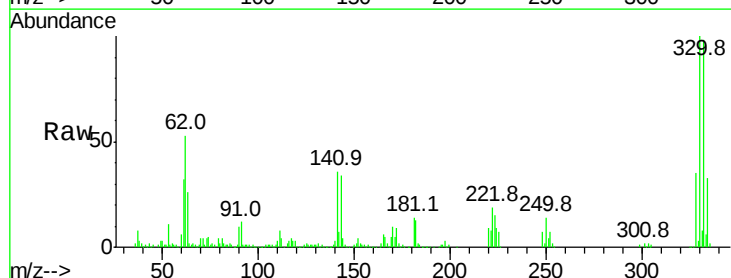
Tgt Ion:330 Resp: 190808

Ion Ratio Lower Upper

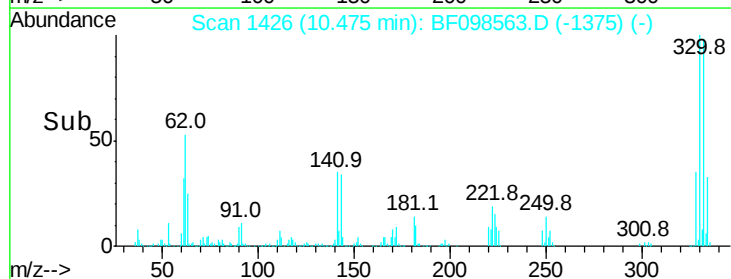
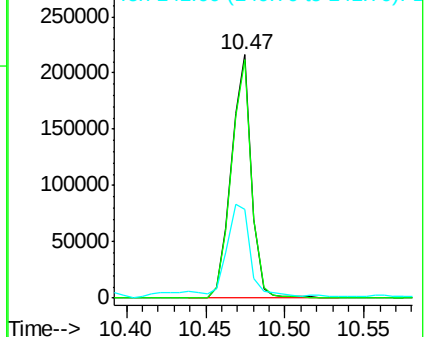
330 100

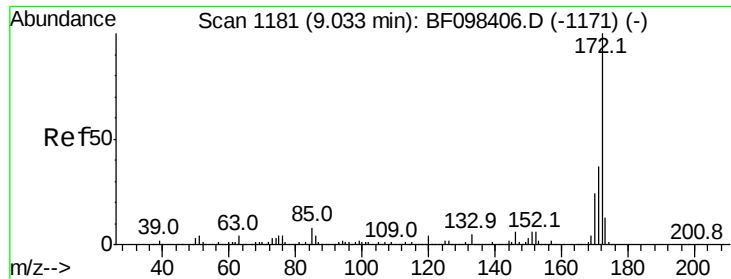
332 98.6 76.6 115.0

141 42.3 31.4 47.2



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



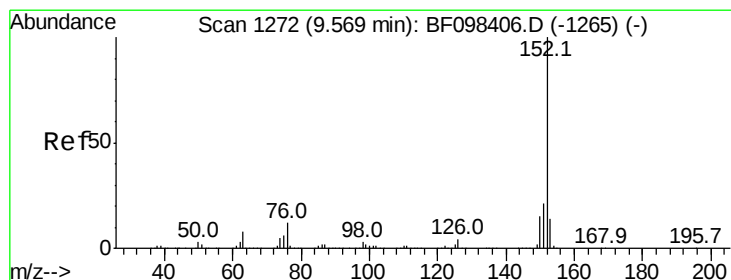
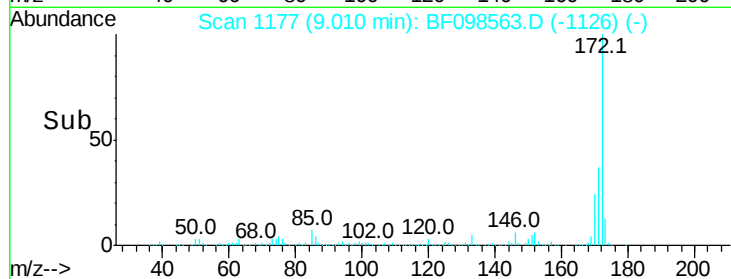
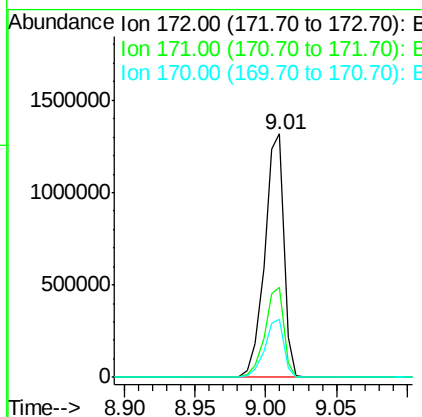
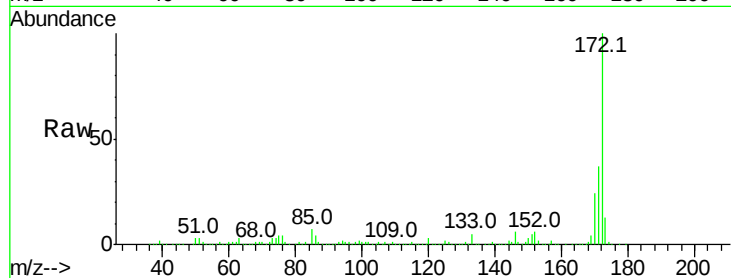


#44
 2-Fluorobiphenyl
 Concen: 84.053 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: BF098563.D
 Acq: 15 Sep 2017 12:19

Instrument :
 BNA_F
 ClientSampleId :
 G-4

Tot Ion:172 Resp: 1272061

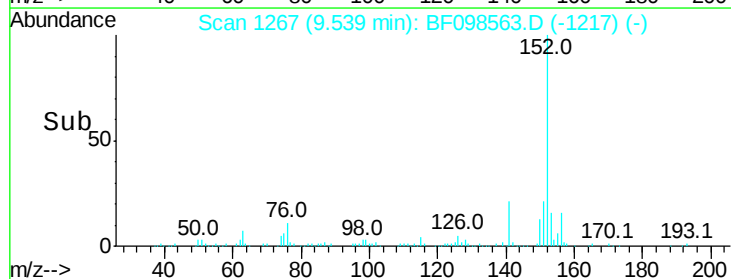
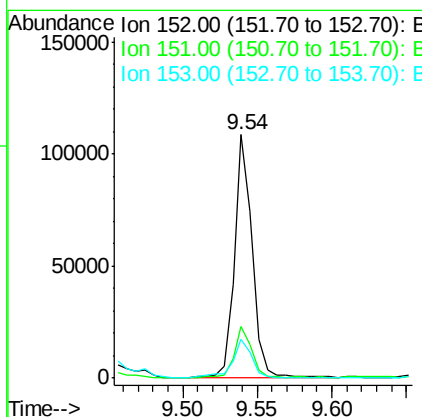
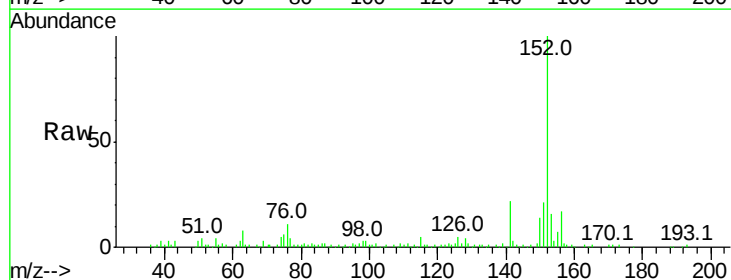
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	23.7	19.8	29.8

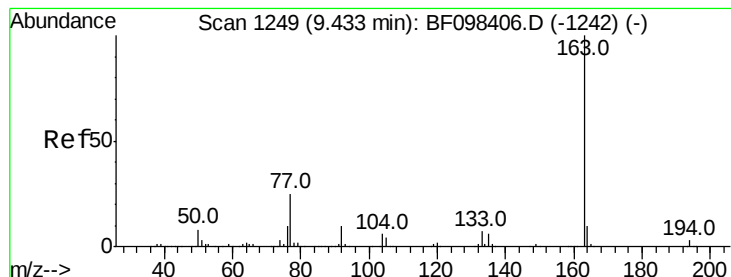


#48
 Acenaphthylene
 Concen: 3.769 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF098563.D
 Acq: 15 Sep 2017 12:19

Tgt Ion:152 Resp: 91889

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.8	25.2
153	16.0	10.8	16.2





#49

Dimethylphthalate

Concen: 11.966 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.01 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

Instrument :

BNA_F

ClientSampleId :

G-4

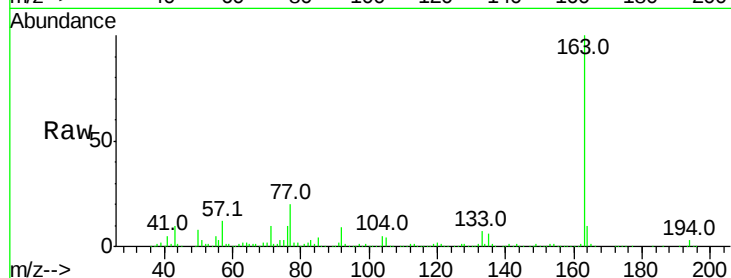
Tot Ion:163 Resp: 237599

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

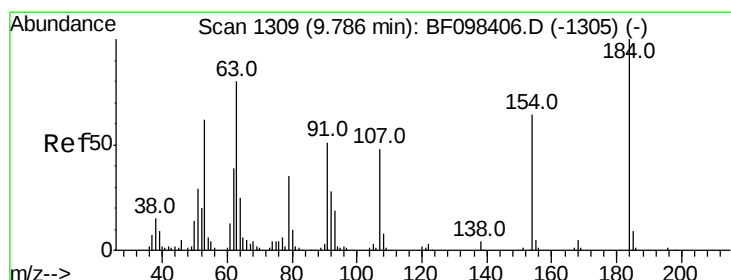
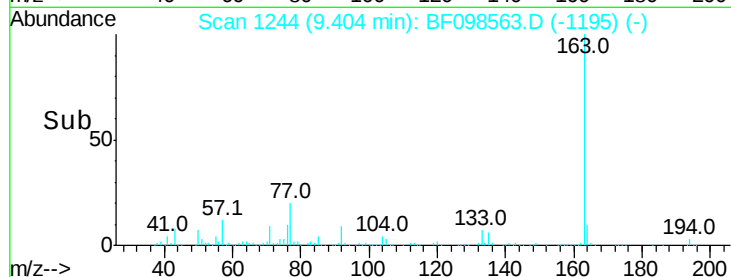
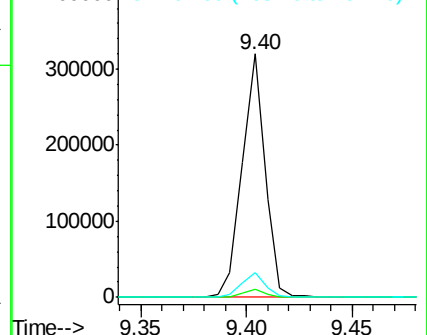
164 10.1 8.4 12.6



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



#53

2,4-Dinitrophenol

Concen: 8.581 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.10 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

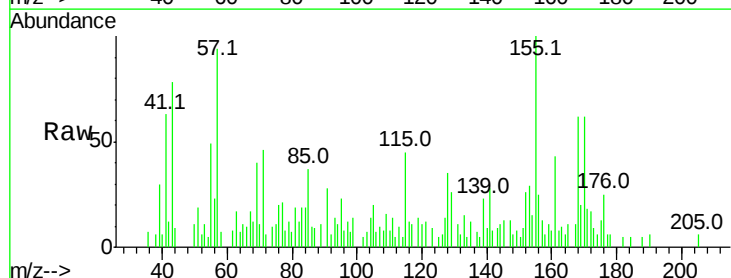
Tgt Ion:184 Resp: 122

Ion Ratio Lower Upper

184 100

63 340.0 62.7 94.1#

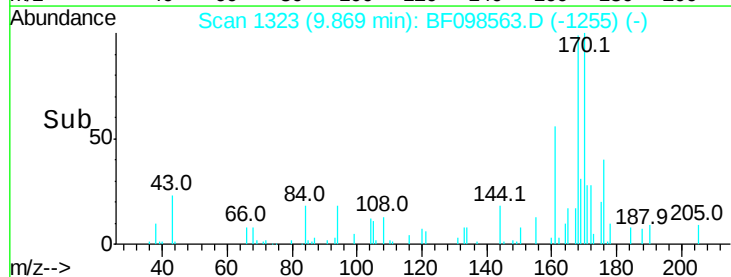
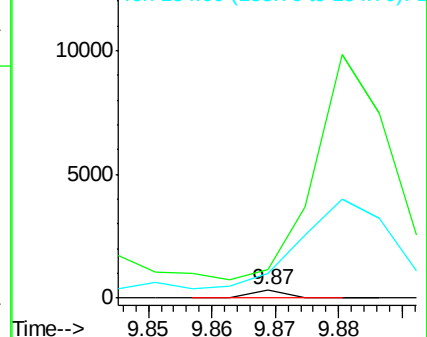
154 293.3 81.1 121.7#

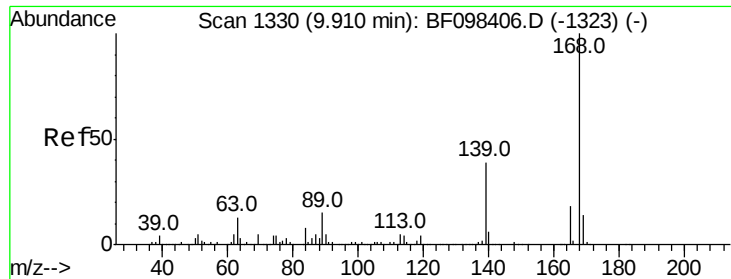


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

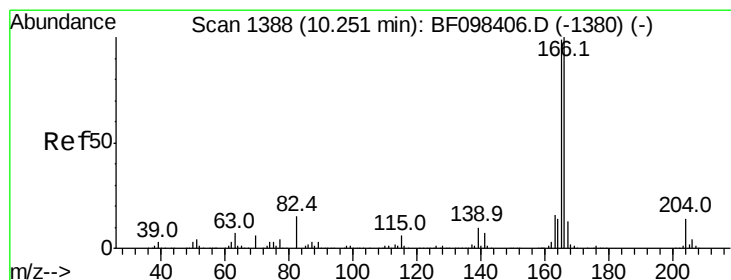
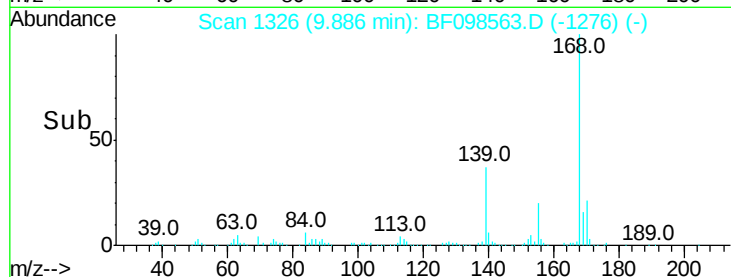
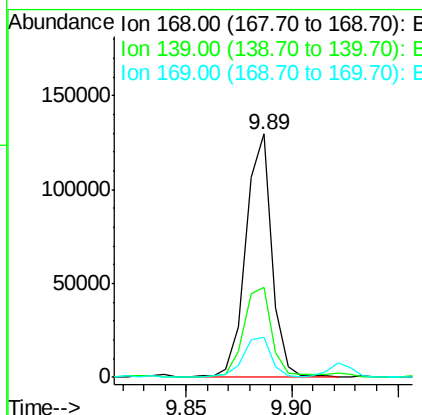
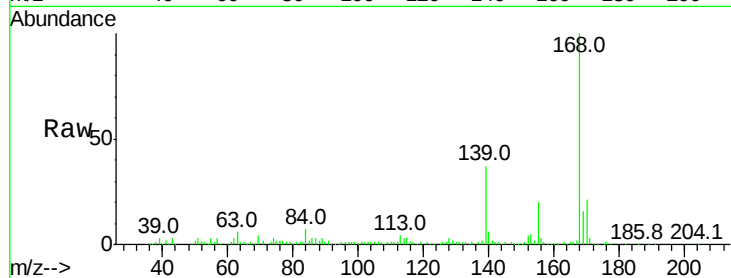




#54
Dibenzofuran
Concen: 5.424 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF098563.D
Acq: 15 Sep 2017 12:19

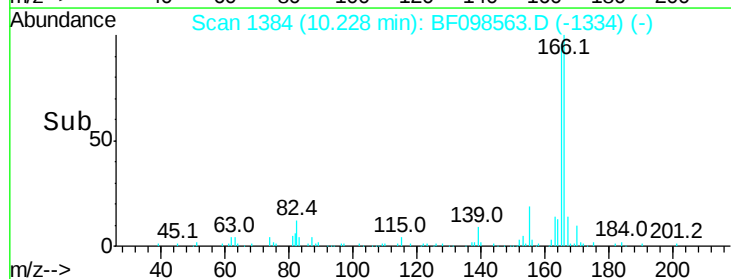
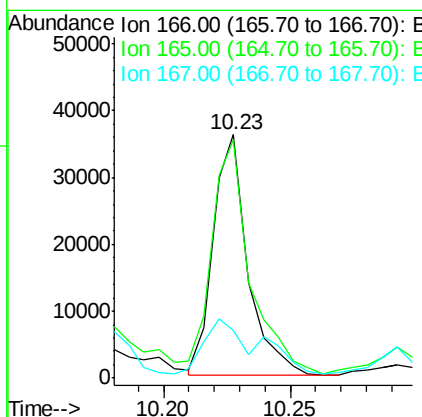
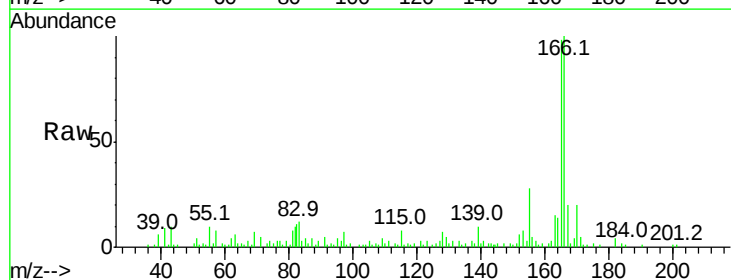
Instrument :
BNA_F
ClientSampleId :
G-4

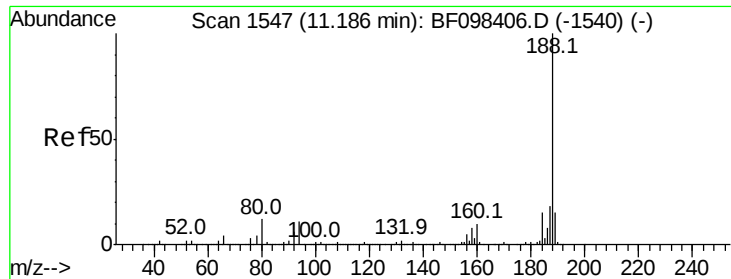
Tot Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.6	45.8
169	16.3	10.8	16.2#



#57
Fluorene
Concen: 2.026 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BF098563.D
Acq: 15 Sep 2017 12:19

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.8	118.2
167	19.8	10.6	16.0#

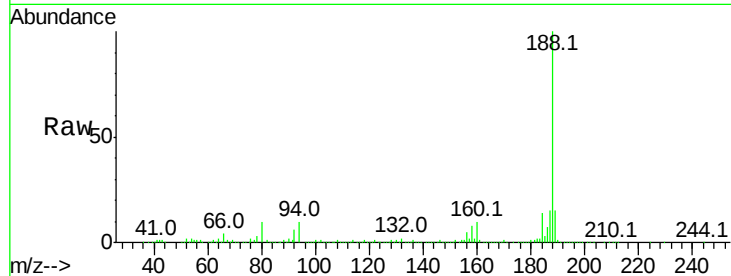




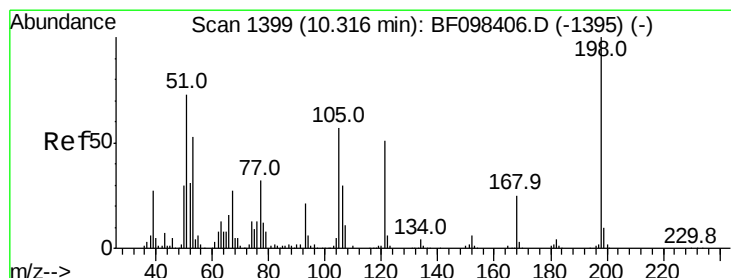
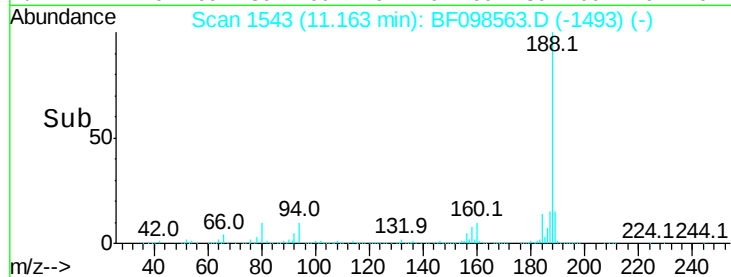
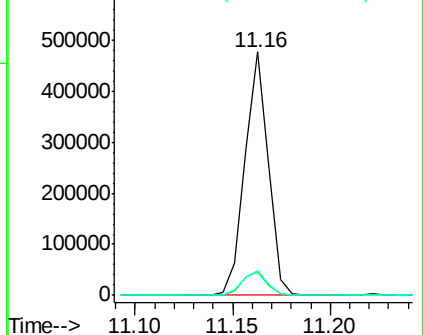
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF098563.D
Acq: 15 Sep 2017 12:19

Instrument :
BNA_F
ClientSampleId :
G-4

Tot Ion:188 Resp: 395876
Ion Ratio Lower Upper
188 100
94 9.9 9.4 14.2
80 10.2 10.2 15.2

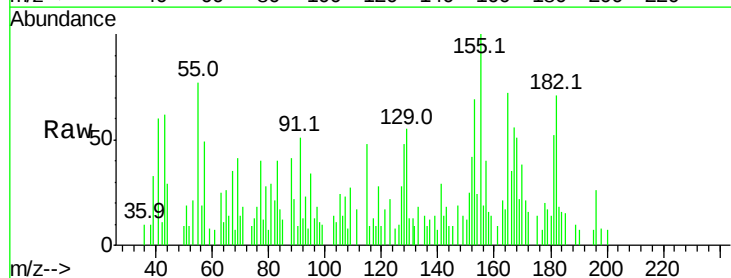


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

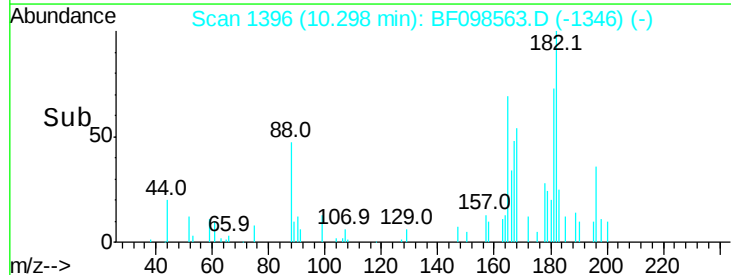
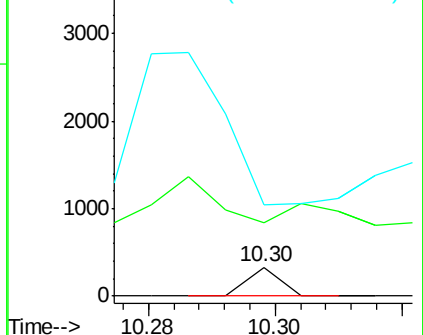


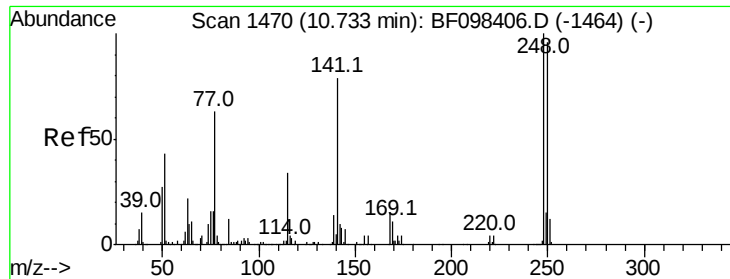
#64
4,6-Dinitro-2-methylphenol
Concen: 5.007 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF098563.D
Acq: 15 Sep 2017 12:19

Tgt Ion:198 Resp: 116
Ion Ratio Lower Upper
198 100
51 252.1 53.2 93.2#
105 314.8 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

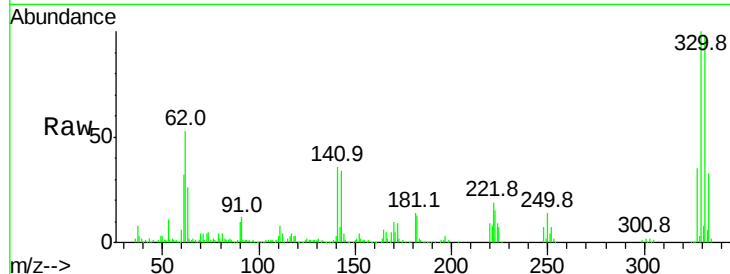




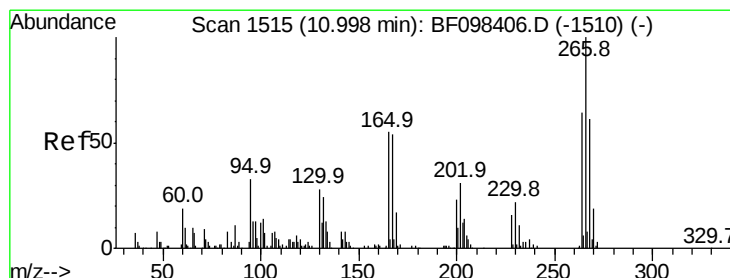
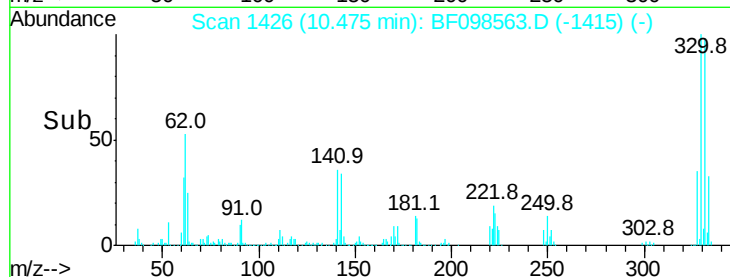
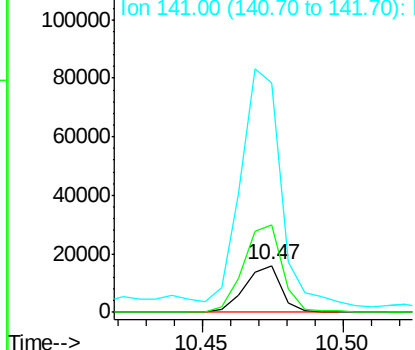
#66
 4-Bromophenyl-phenylether
 Concen: 3.823 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.24 min
 Lab File: BF098563.D
 Acq: 15 Sep 2017 12:19

Instrument :
 BNA_F
 ClientSampleId :
 G-4

Tot Ion:248 Resp: 14363
 Ion Ratio Lower Upper
 248 100
 250 188.2 76.8 115.2#
 141 492.8 68.6 103.0#

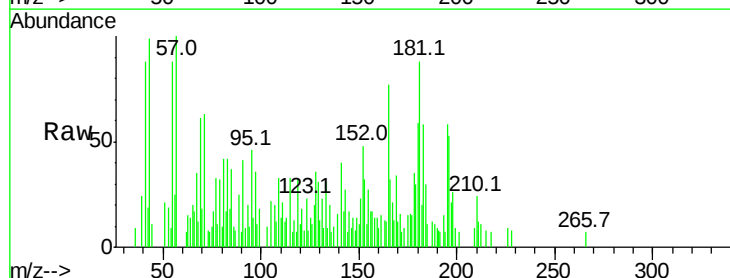


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

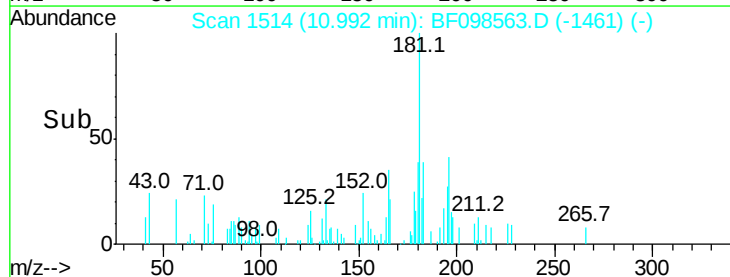
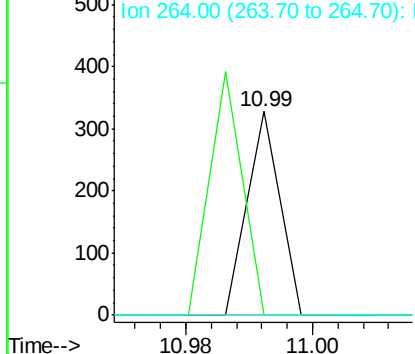


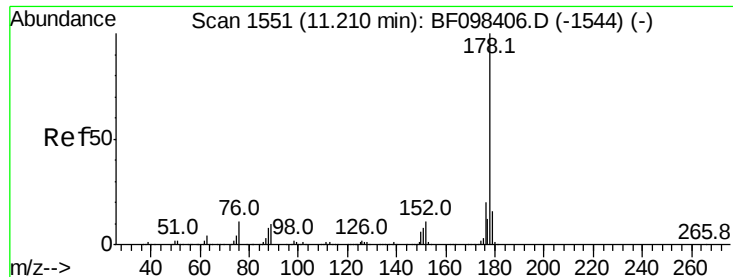
#69
 Pentachlorophenol
 Concen: 7.001 ng
 RT: 10.99 min Scan# 1514
 Delta R.T. 0.01 min
 Lab File: BF098563.D
 Acq: 15 Sep 2017 12:19

Tgt Ion:266 Resp: 116
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 0.0 51.7 77.5#



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

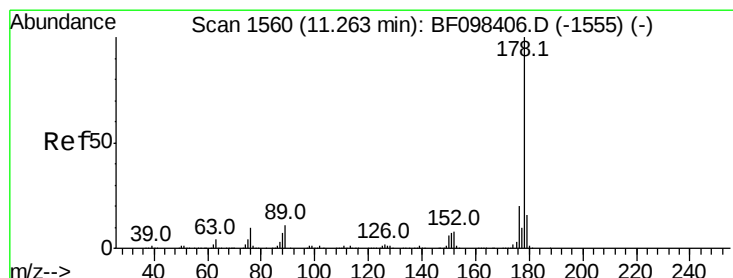
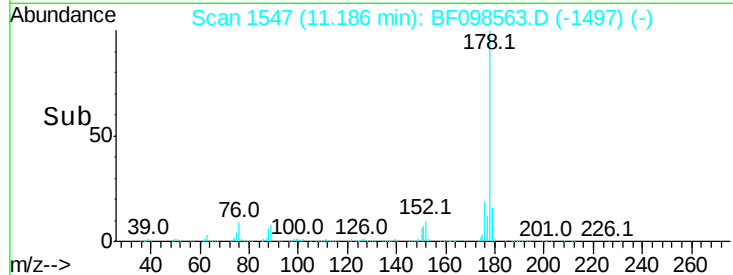
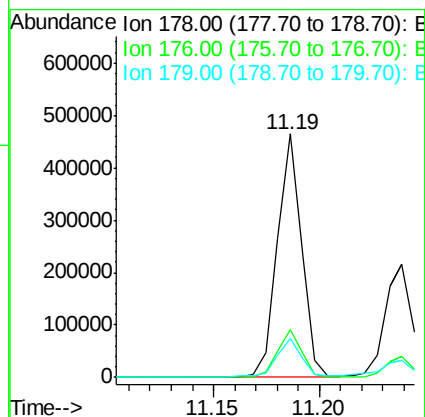
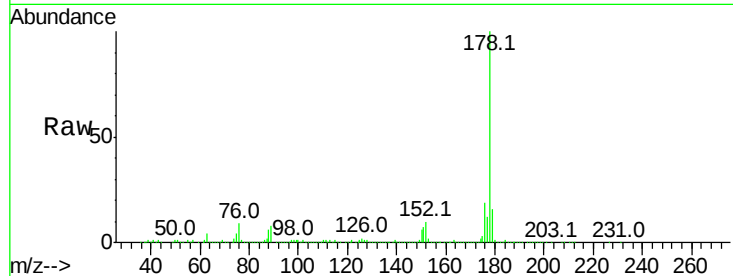




#70
Phenanthrene
Concen: 17.588 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF098563.D
Acq: 15 Sep 2017 12:19

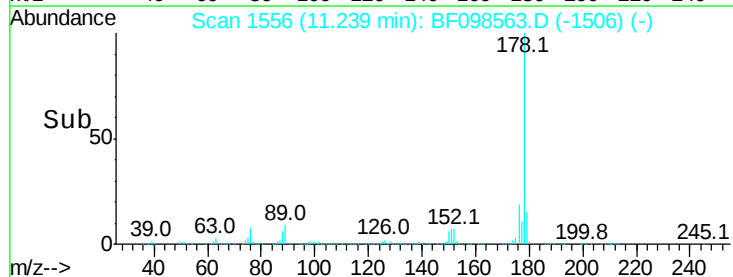
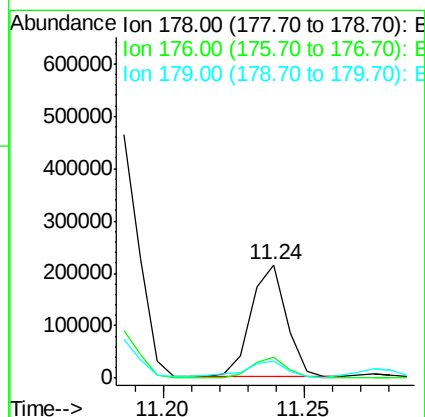
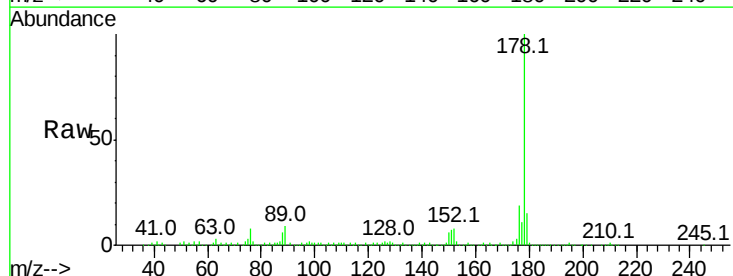
Instrument :
BNA_F
ClientSampleId :
G-4

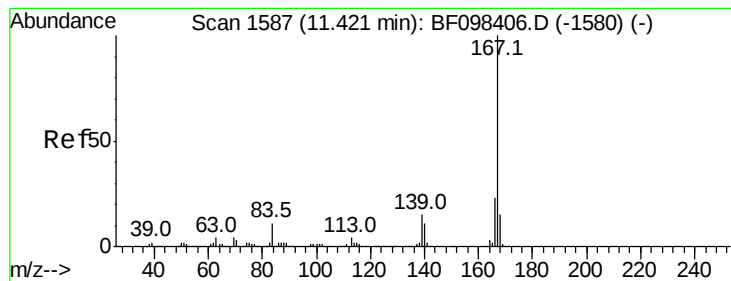
Tot Ion:178 Resp: 369121
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.8 12.6 19.0



#71
Anthracene
Concen: 8.634 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF098563.D
Acq: 15 Sep 2017 12:19

Tgt Ion:178 Resp: 186027
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.1 12.7 19.1





#72

Carbazole

Concen: 2.043 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

Instrument :

BNA_F

ClientSampleId :

G-4

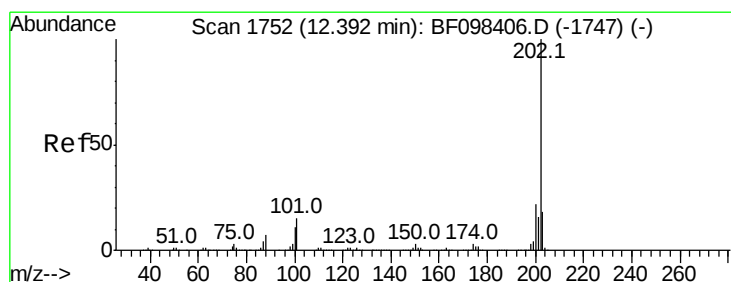
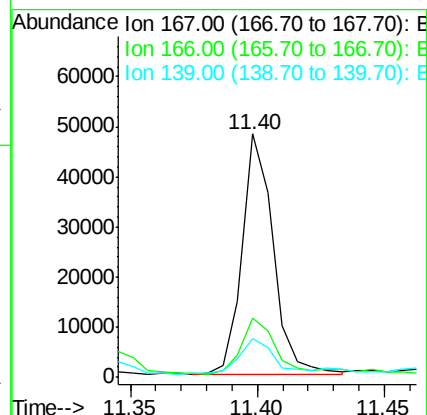
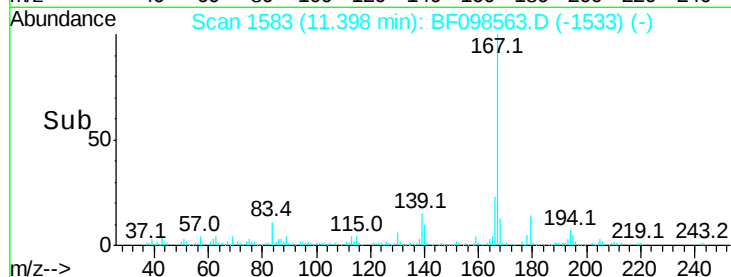
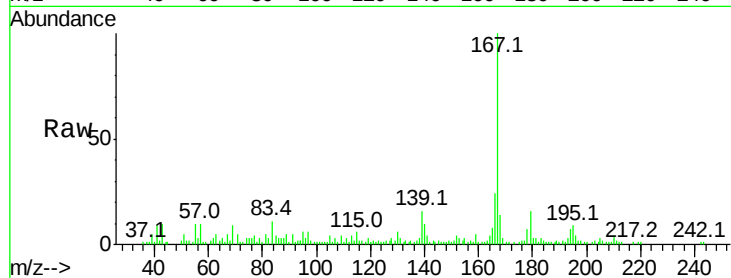
Tot Ion:167 Resp: 41021

Ion Ratio Lower Upper

167 100

166 24.2 18.1 27.1

139 15.9 11.7 17.5



#74

Fluoranthene

Concen: 26.783 ng

RT: 12.37 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

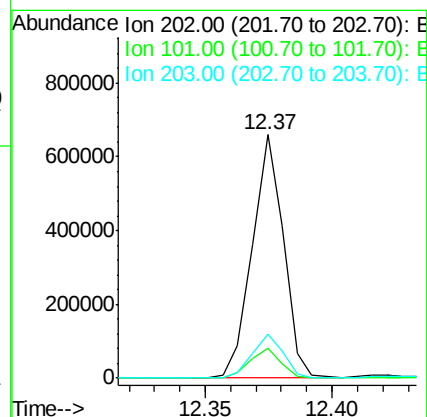
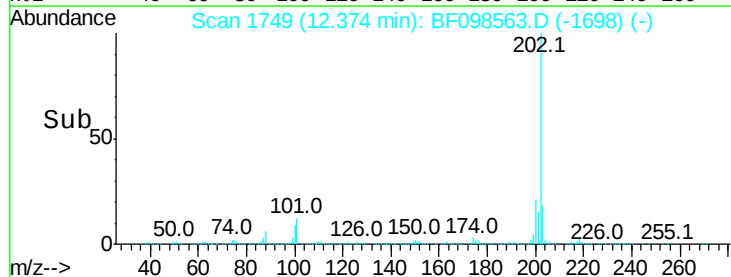
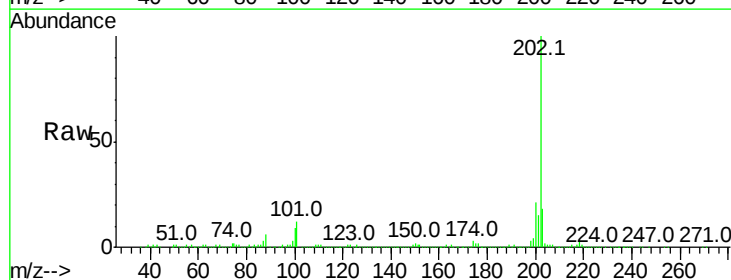
Tgt Ion:202 Resp: 562697

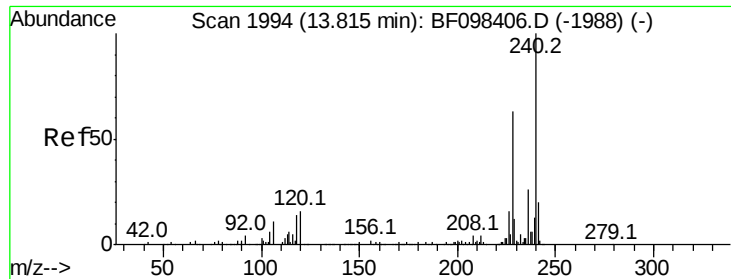
Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.2

203 18.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1992

Delta R.T. 0.00 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

Instrument :

BNA_F

ClientSampleId :

G-4

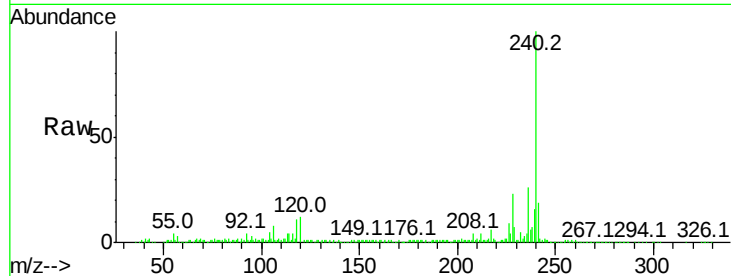
Tot Ion:240 Resp: 277110

Ion Ratio Lower Upper

240 100

120 12.1 5.8 8.8#

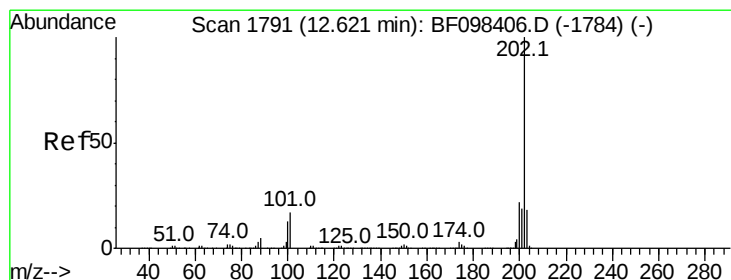
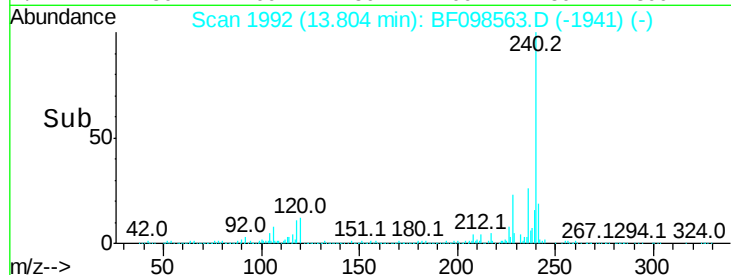
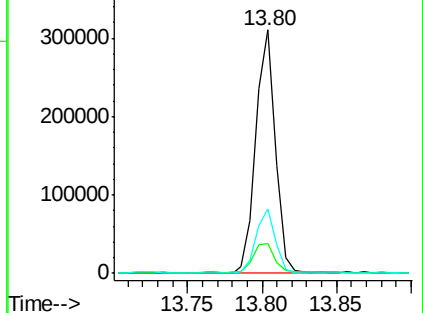
236 26.4 20.5 30.7



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

Pyrene

Concen: 24.209 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

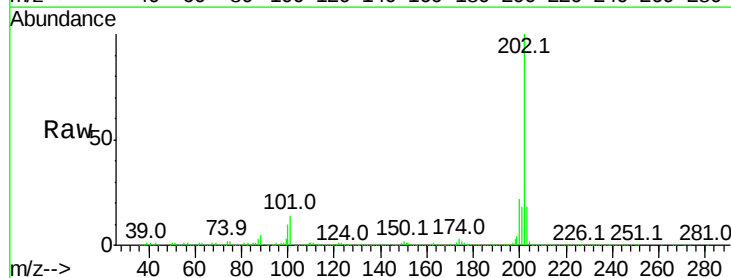
Tgt Ion:202 Resp: 529207

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

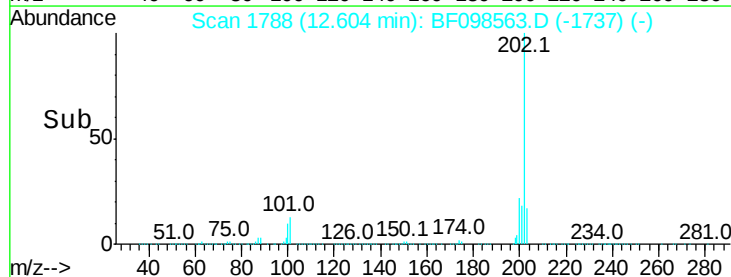
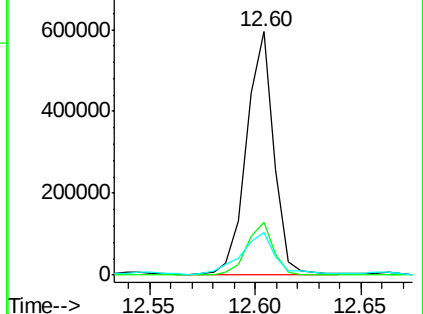
203 17.7 14.4 21.6

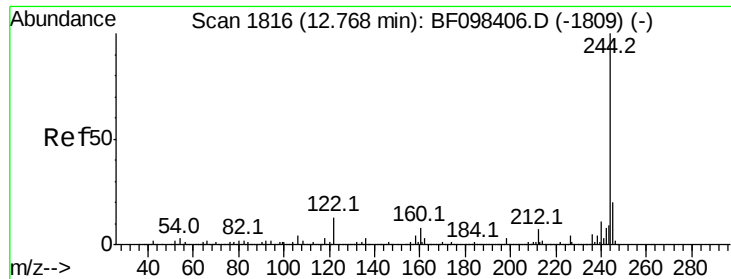


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.414 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

Instrument :

BNA_F

ClientSampled :

G-4

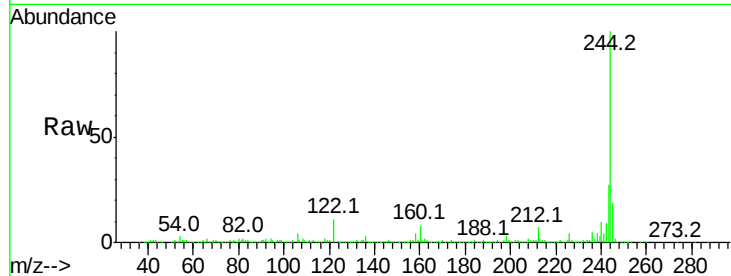
Tot Ion:244 Resp: 749941

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

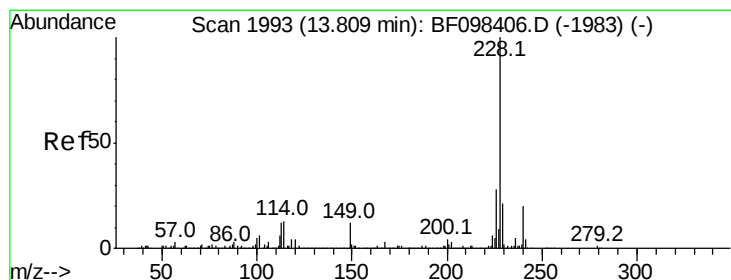
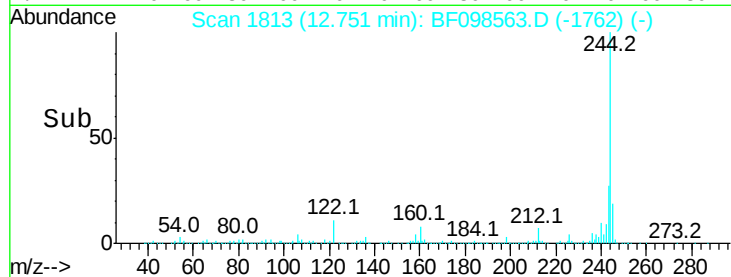
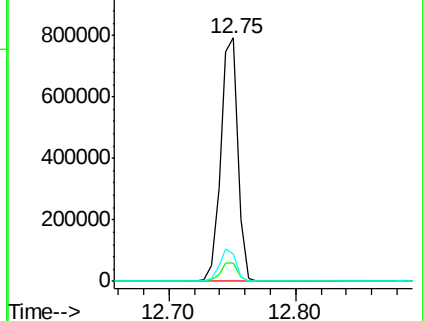
122 11.1 10.3 15.5



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: 19.580 ng

RT: 13.79 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

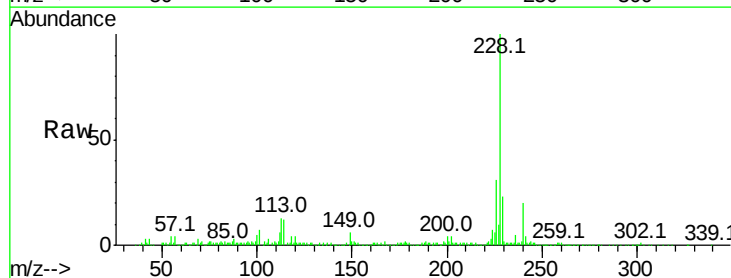
Tgt Ion:228 Resp: 318098

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

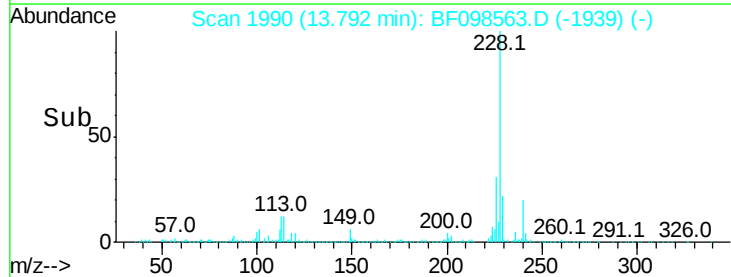
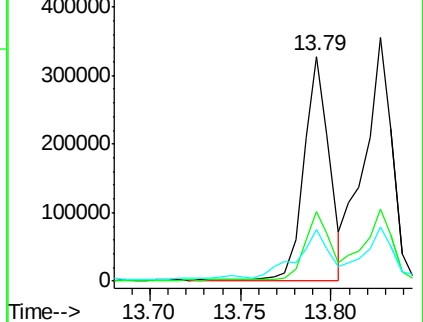
229 22.7 16.3 24.5

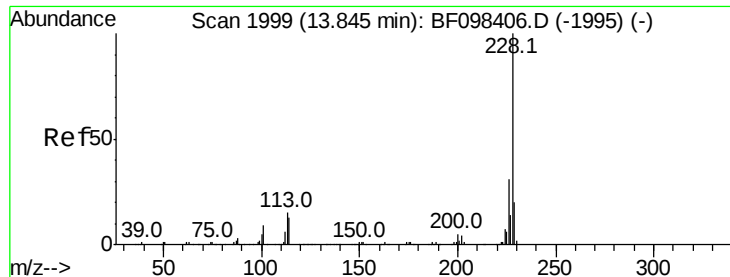


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 20.766 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

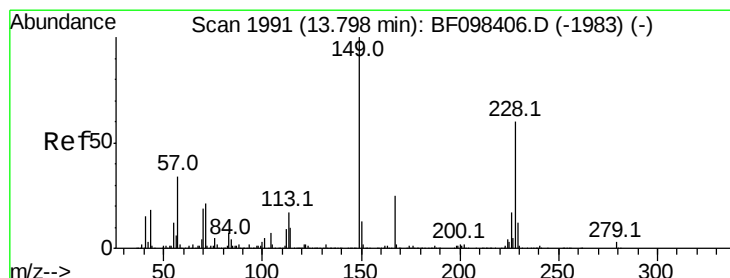
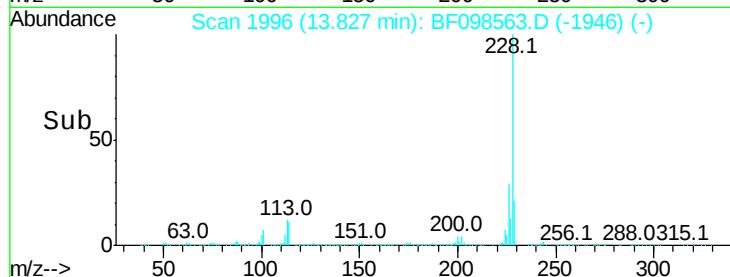
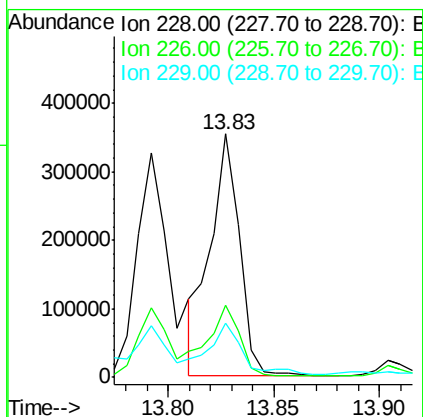
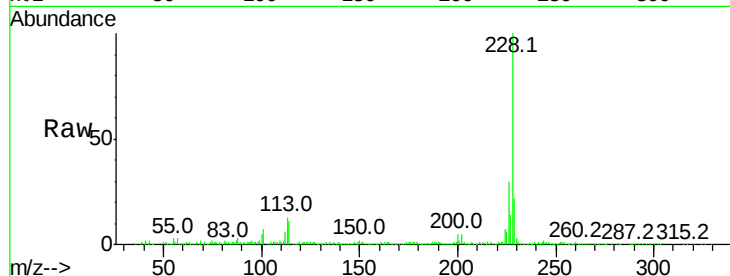
Instrument :

BNA_F

ClientSampled :

G-4

Tot Ion:228	Resp:	341025
Ion Ratio	Lower	Upper
228	100	
226	29.9	24.9 37.3
229	22.3	15.8 23.6



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.081 ng

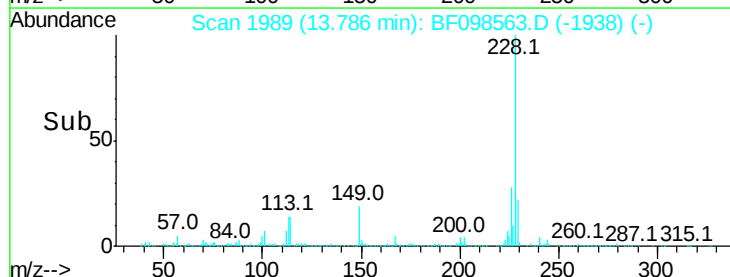
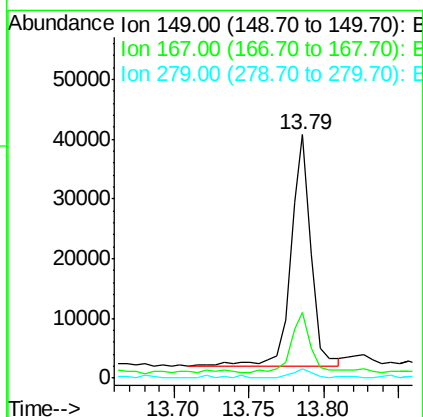
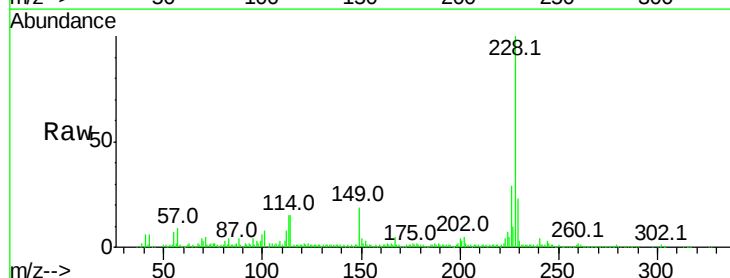
RT: 13.79 min Scan# 1989

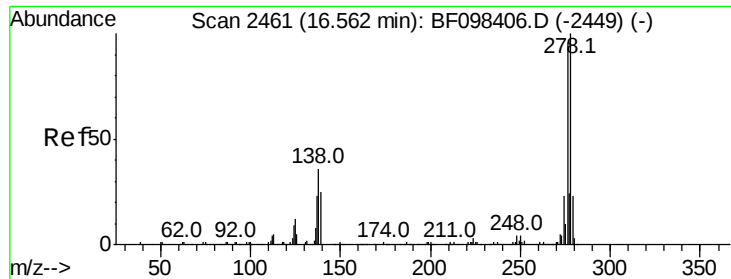
Delta R.T. 0.00 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

Tgt Ion:149	Resp:	36665
Ion Ratio	Lower	Upper
149	100	
167	27.2	21.0 31.4
279	4.0	1.9 2.9#





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.324 ng

RT: 16.55 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

Instrument :

BNA_F

ClientSampleId :

G-4

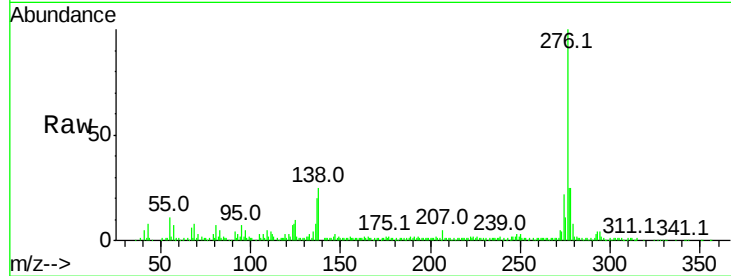
Tot Ion:276 Resp: 176564

Ion Ratio Lower Upper

276 100

138 25.8 27.8 41.6#

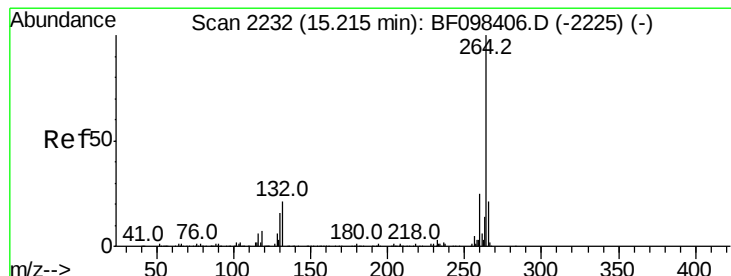
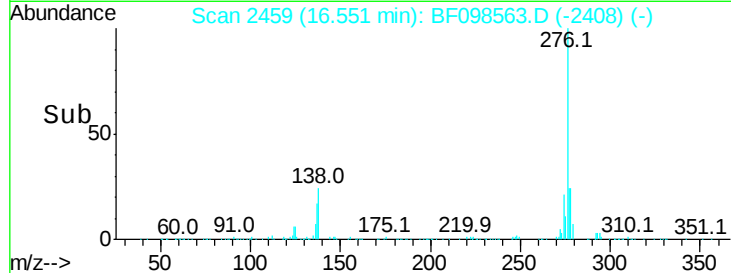
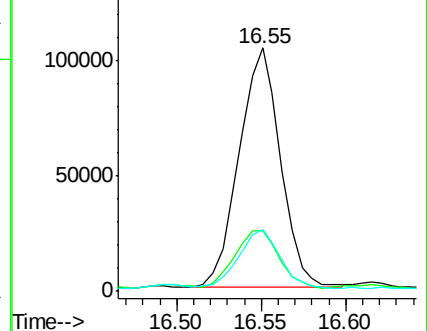
277 24.0 20.2 30.4



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: 15.21 min Scan# 2231

Delta R.T. 0.01 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

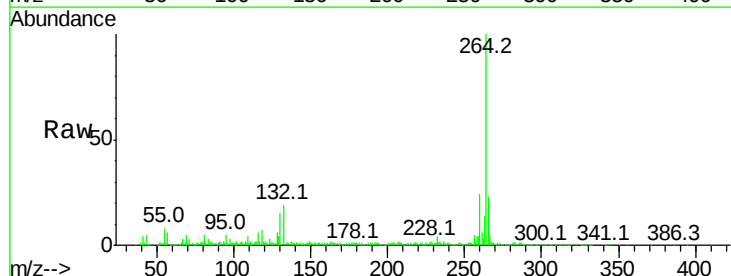
Tgt Ion:264 Resp: 289597

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

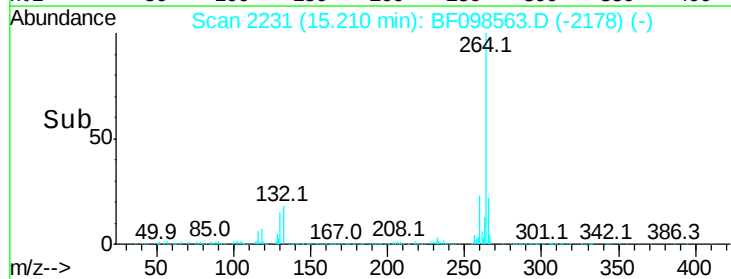
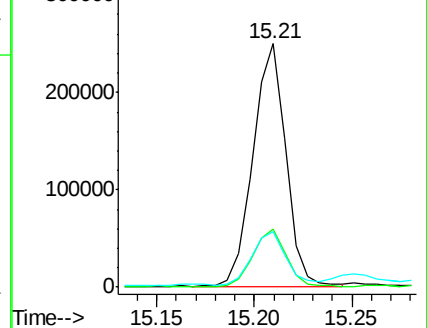
265 22.8 17.2 25.8

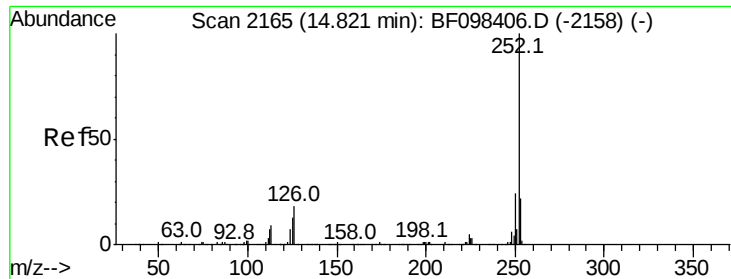


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 39.760 ng

RT: 14.82 min Scan# 2164

Delta R.T. 0.01 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

Instrument :

BNA_F

ClientSampleId :

G-4

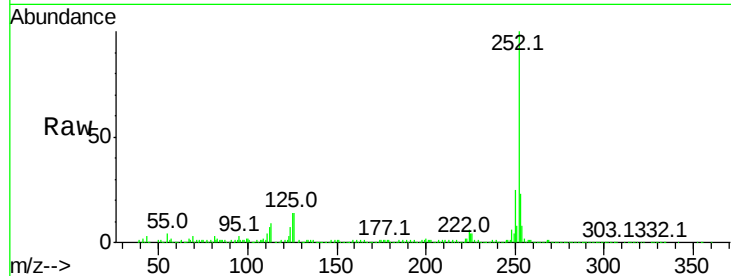
Tot Ion:252 Resp: 723994

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

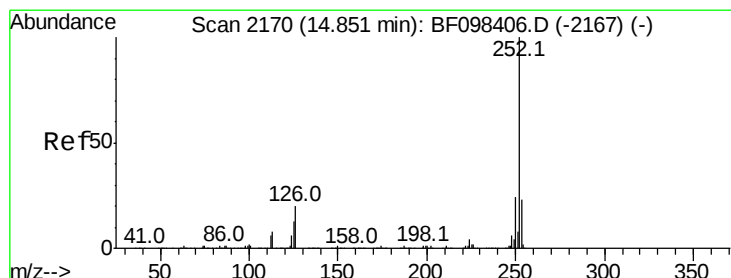
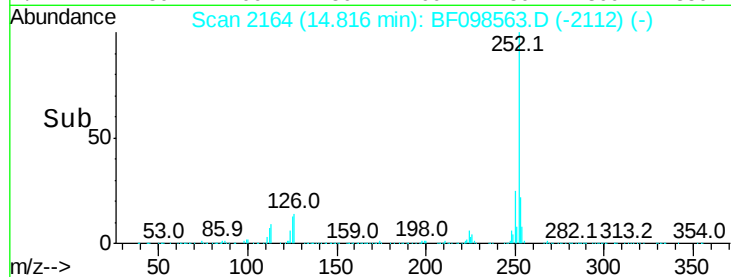
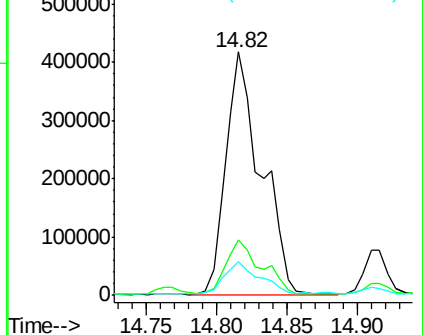
125 13.6 9.8 14.8



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



#88

Benzo(k)fluoranthene

Concen: 42.590 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.02 min

Lab File: BF098563.D

Acq: 15 Sep 2017 12:19

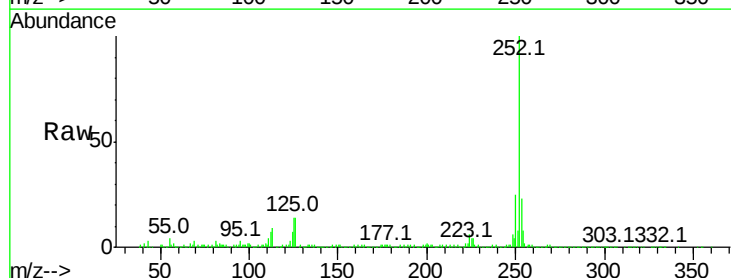
Tgt Ion:252 Resp: 723994

Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

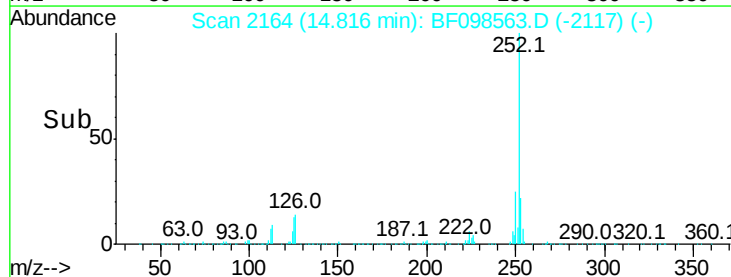
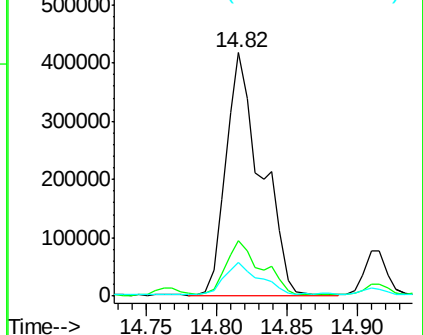
125 13.6 13.1 19.7

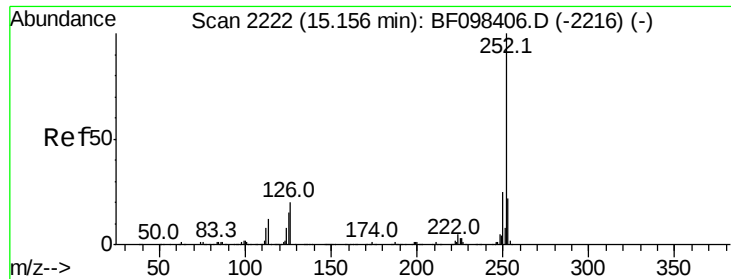


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

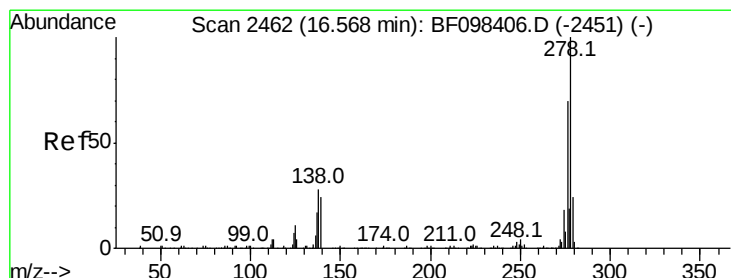
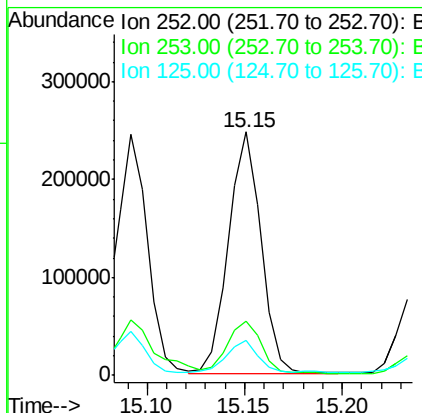
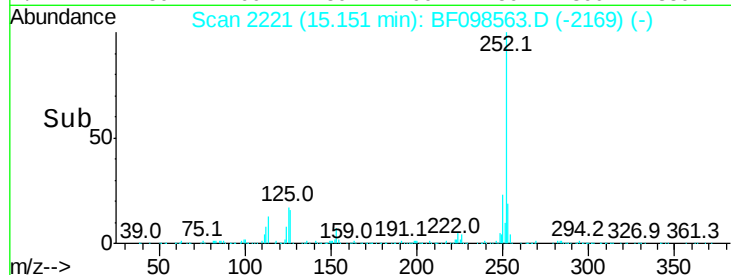
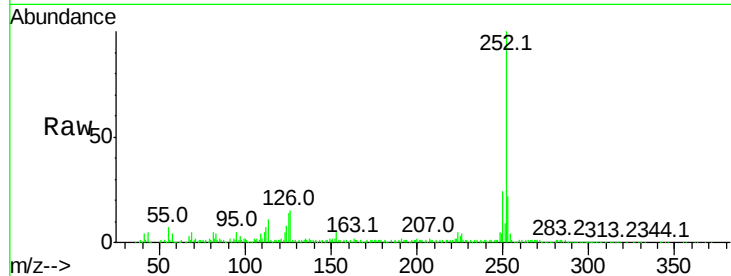




#89
Benzo(a)pyrene
Concen: 17.508 ng
RT: 15.15 min Scan# 2221
Delta R.T. 0.01 min
Lab File: BF098563.D
Acq: 15 Sep 2017 12:19

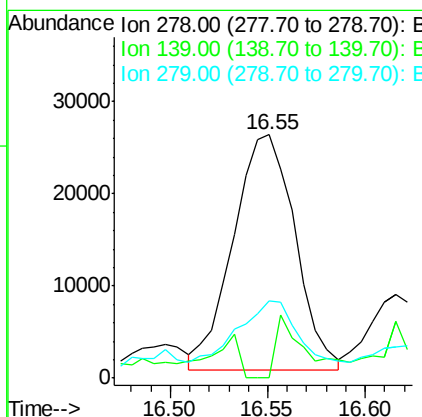
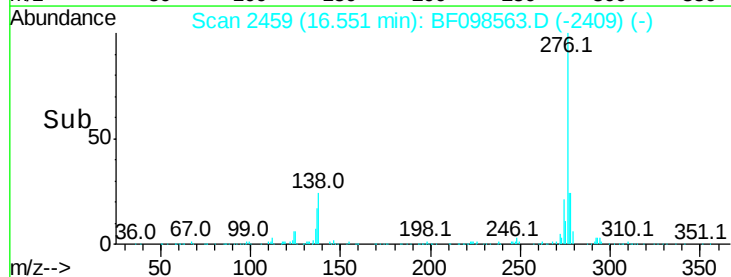
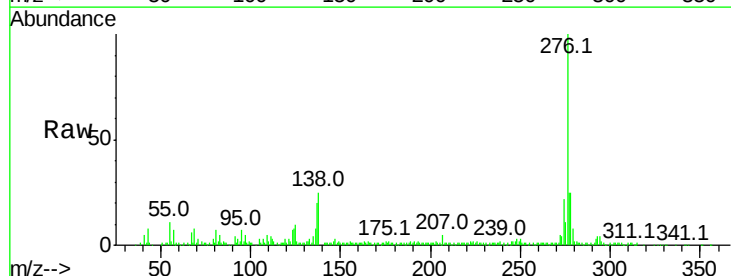
Instrument :
BNA_F
ClientSampleId :
G-4

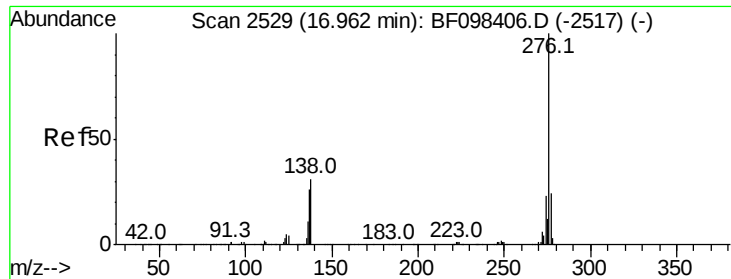
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	14.4	11.0	16.4



#90
Dibenzo(a,h)anthracene
Concen: 4.771 ng
RT: 16.55 min Scan# 2459
Delta R.T. -0.01 min
Lab File: BF098563.D
Acq: 15 Sep 2017 12:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	32.0	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 12.909 ng
 RT: 16.95 min Scan# 2527
 Delta R.T. 0.01 min
 Lab File: BF098563.D
 Acq: 15 Sep 2017 12:19

Instrument :
 BNA_F
 ClientSampleId :
 G-4

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	26.9	25.4	38.0

