

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098536.D
 Acq On : 14 Sep 2017 19:02
 Operator : SJ/JU
 Sample : I5160-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-8B-2

Quant Time: Sep 15 04:58:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	135783	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	569171	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	265966	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	505484	20.00	ng	-0.02
75) Chrysene-d12	13.79	240	311797	20.00	ng	-0.02
86) Perylene-d12	15.19	264	294937	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1378832	150.14	ng	-0.01
7) Phenol-d6	6.30	99	1695494	145.41	ng	-0.02
23) Nitrobenzene-d5	7.22	82	1071069	104.91	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	352252	198.44	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1808194	115.23	ng	-0.02
78) Terphenyl-d14	12.75	244	1542655	106.79	ng	-0.02

Target Compounds

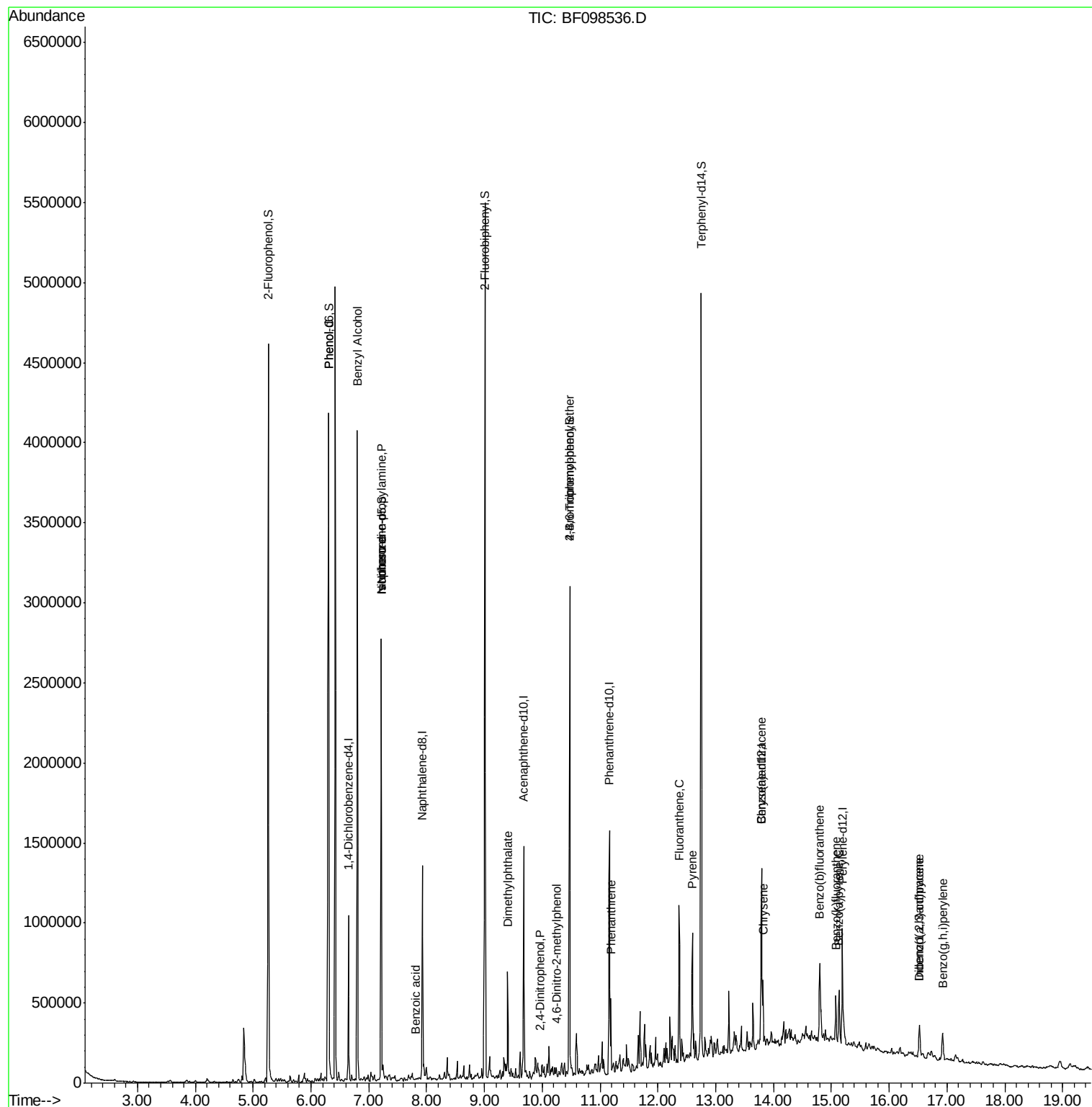
						Qvalue
10) Phenol	6.31	94	39118	2.888	ng	# 25
15) Benzyl Alcohol	6.80	79	18875	2.432	ng	# 30
19) n-Nitroso-di-n-propylamine	7.22	70	142620	19.445	ng	# 80
25) Isophorone	7.22	82	1064966	51.556	ng	# 67
32) Benzoic acid	7.81	122	254	8.005	ng	89
49) Dimethylphthalate	9.40	163	200156	9.722	ng	99
53) 2,4-Dinitrophenol	9.96	184	943	8.946	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.24	198	251	5.037	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	27022	5.633	ng	# 1
70) Phenanthrene	11.19	178	178069	6.645	ng	96
74) Fluoranthene	12.37	202	350911	13.081	ng	99
77) Pyrene	12.60	202	299312	12.169	ng	98
80) Benzo(a)anthracene	13.79	228	148750	8.137	ng	97
82) Chrysene	13.82	228	180370	9.761	ng	97
85) Indeno(1,2,3-cd)pyrene	16.52	276	113428	8.749	ng	92
87) Benzo(b)fluoranthene	14.80	252	297323	16.033	ng	99
88) Benzo(k)fluoranthene	15.07	252	119426	6.898	ng	97
89) Benzo(a)pyrene	15.13	252	137762	8.338	ng	97
90) Dibenzo(a,h)anthracene	16.53	278	30603	2.546	ng	# 86
91) Benzo(a,h,i)perylene	16.92	276	115507	9.555	ng	95

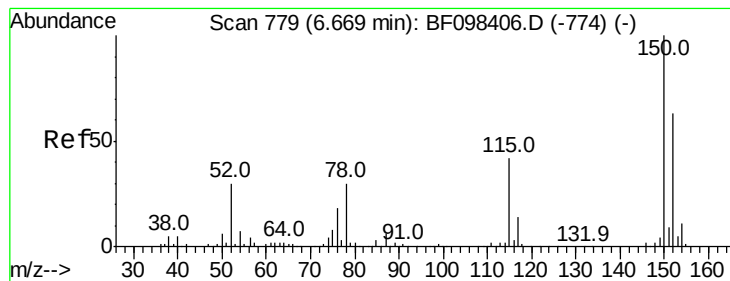
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Instrument :

BNA_F

ClientSampleId :

G-8B-2

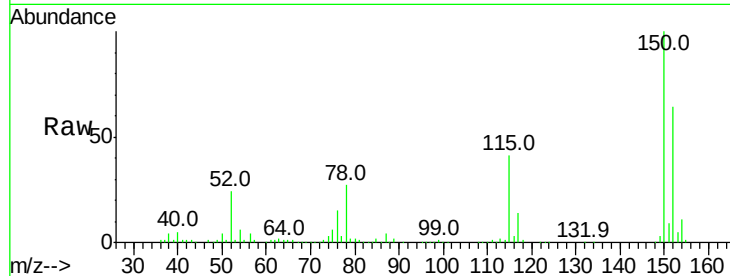
Tot Ion:152 Resp: 135783

Ion Ratio Lower Upper

152 100

150 156.9 126.2 189.2

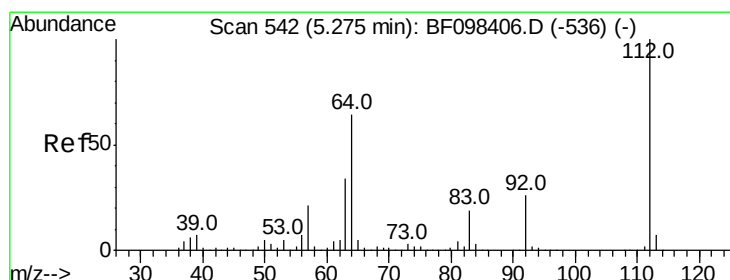
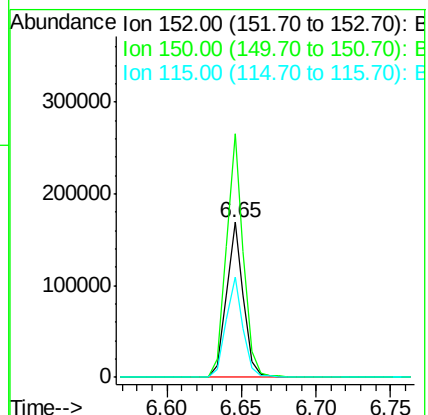
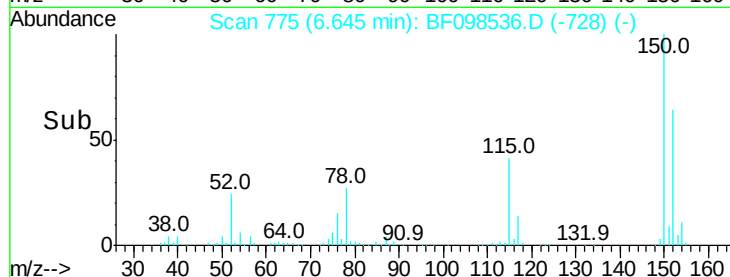
115 64.5 52.2 78.2



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: 150.139 ng

RT: 5.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

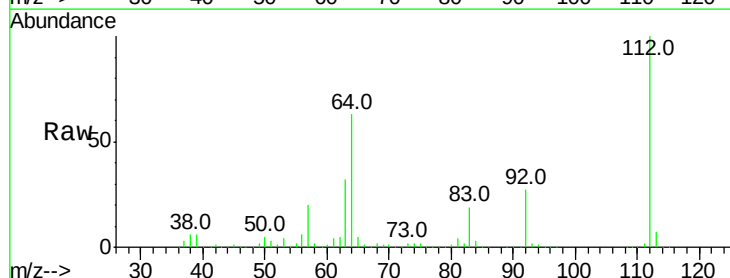
Tgt Ion:112 Resp: 1378832

Ion Ratio Lower Upper

112 100

64 62.9 46.0 69.0

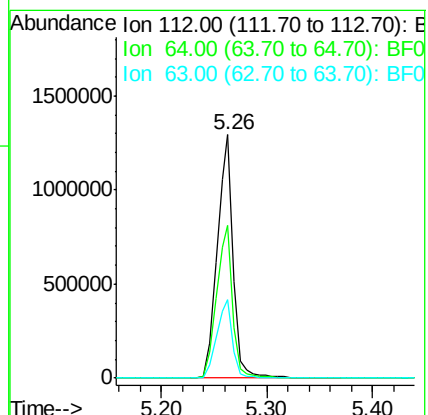
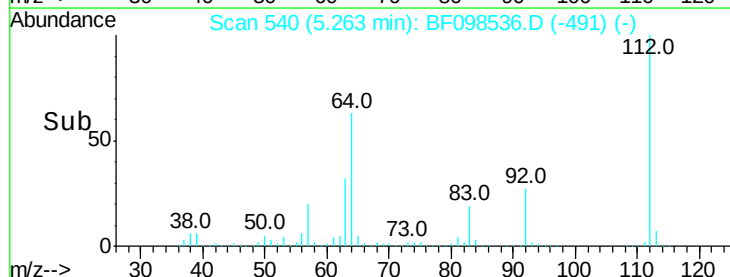
63 32.4 23.4 35.0

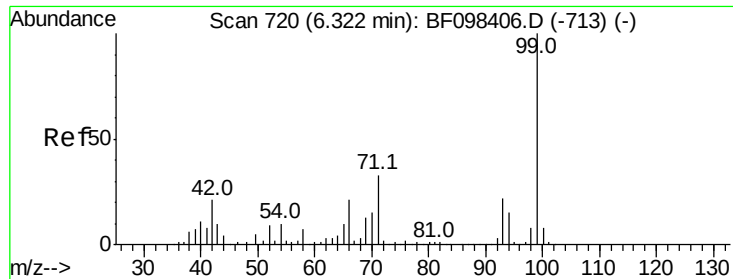


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.409 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Instrument :

BNA_F

ClientSampleId :

G-8B-2

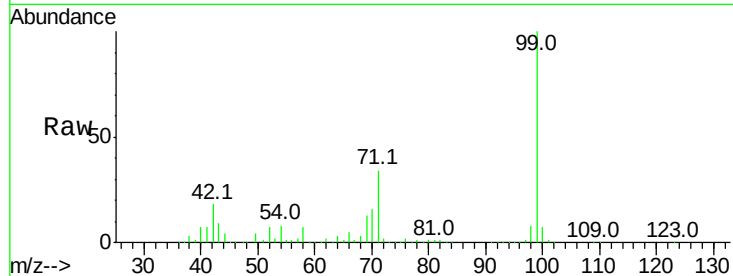
Tot Ion: 99 Resp: 1695494

Ion Ratio Lower Upper

99 100

42 18.3 13.5 20.3

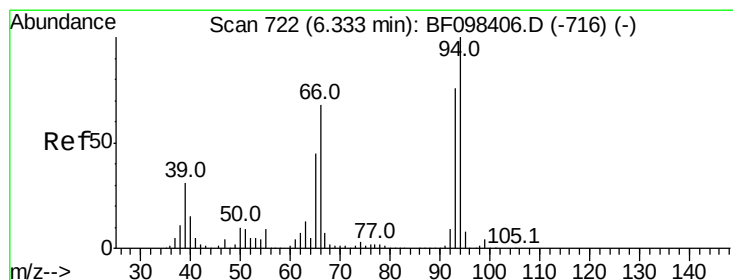
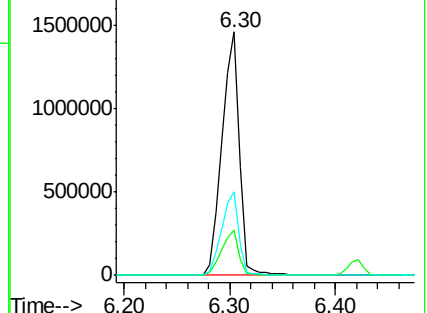
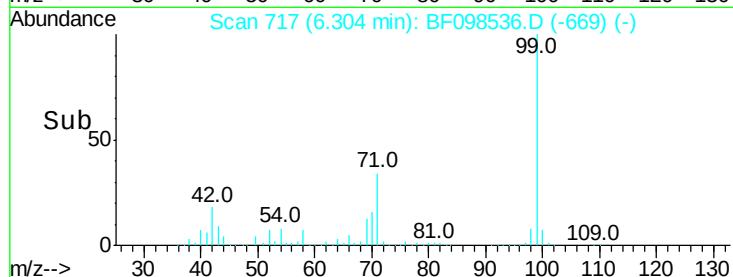
71 34.5 24.5 36.7



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: 2.888 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

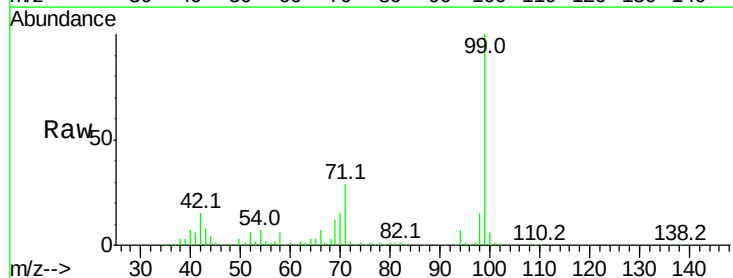
Tgt Ion: 94 Resp: 39118

Ion Ratio Lower Upper

94 100

65 50.9 9.9 49.9#

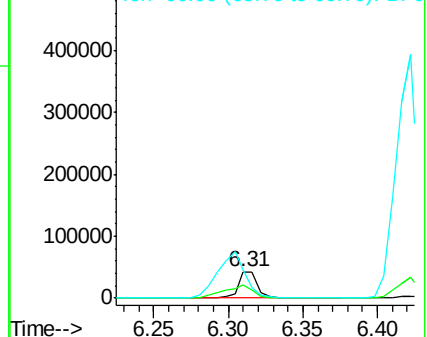
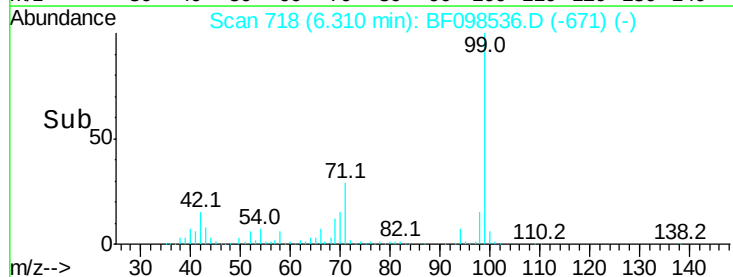
66 107.4 23.1 63.1#

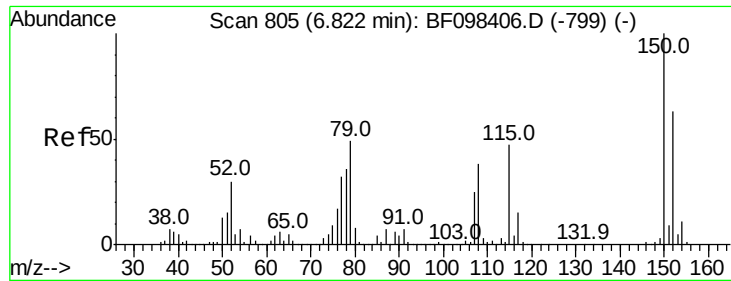


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

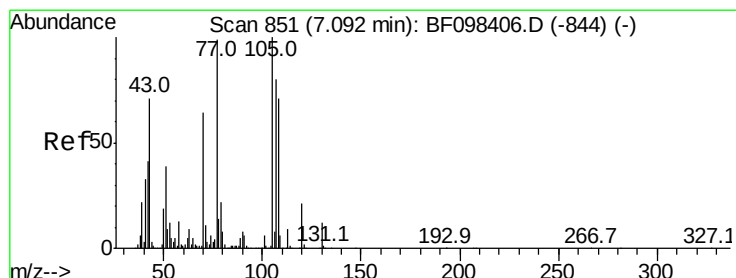
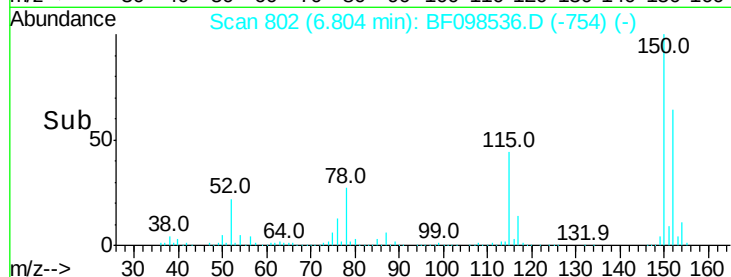
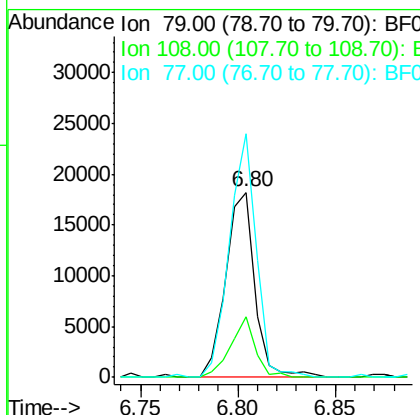
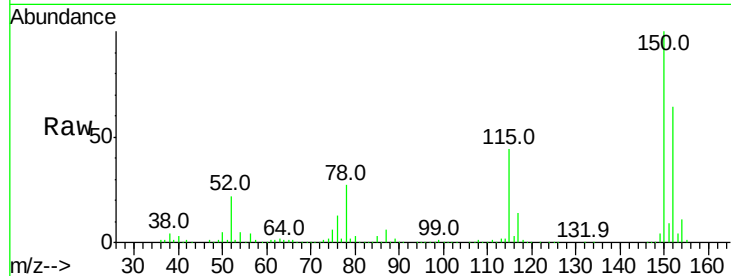




#15
Benzyl Alcohol
Concen: 2.432 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

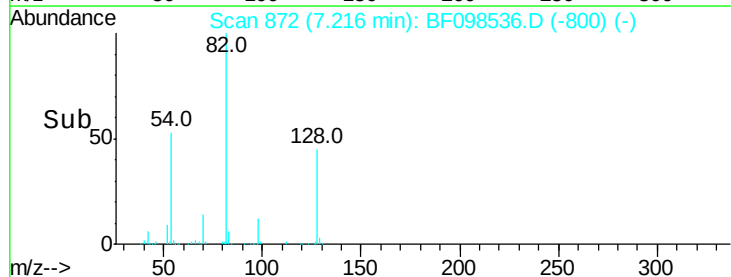
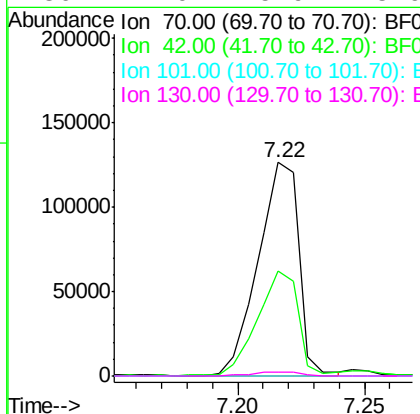
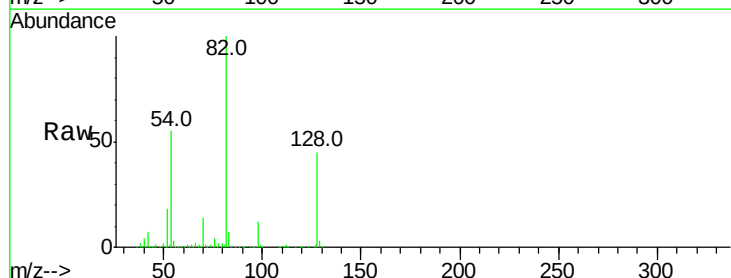
Instrument :
BNA_F
ClientSampled :
G-8B-2

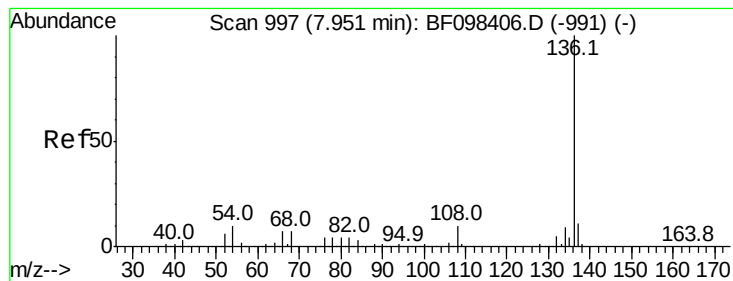
Tot Ion: 79 Resp: 18875
Ion Ratio Lower Upper
79 100
108 32.5 63.4 95.0#
77 131.4 49.2 73.8#



#19
n-Nitroso-di-n-propylamine
Concen: 19.445 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.12 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

Tgt Ion: 70 Resp: 142620
Ion Ratio Lower Upper
70 100
42 49.3 47.2 70.8
101 0.0 7.2 10.8#
130 2.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Instrument :

BNA_F

ClientSampled :

G-8B-2

Tot Ion:136 Resp: 569171

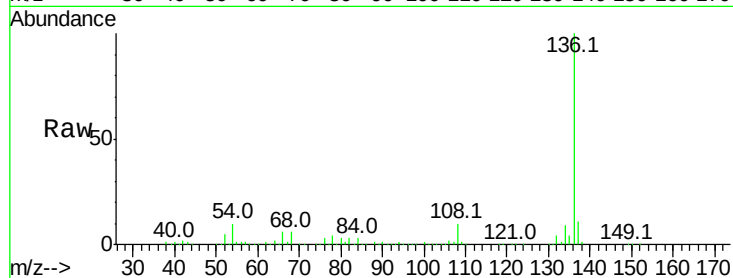
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 9.5 4.9 7.3#

68 5.9 4.1 6.1

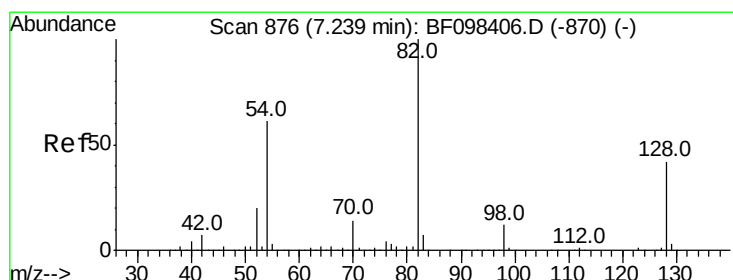
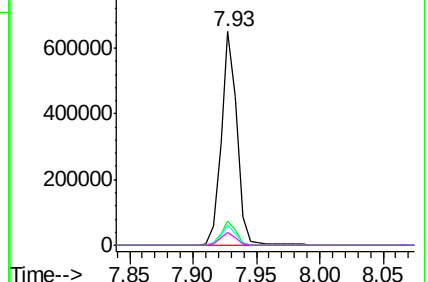
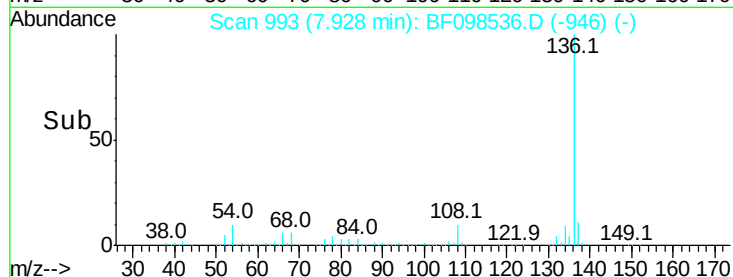


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 104.910 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

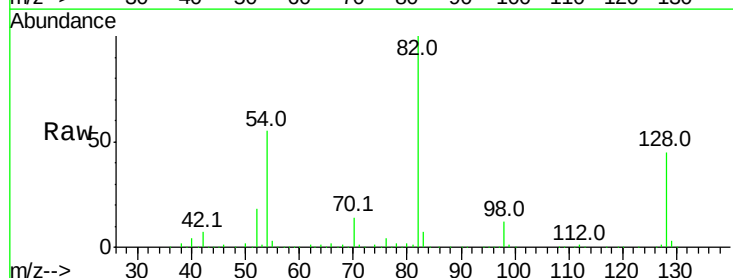
Tgt Ion: 82 Resp: 1071069

Ion Ratio Lower Upper

82 100

128 44.7 34.0 51.0

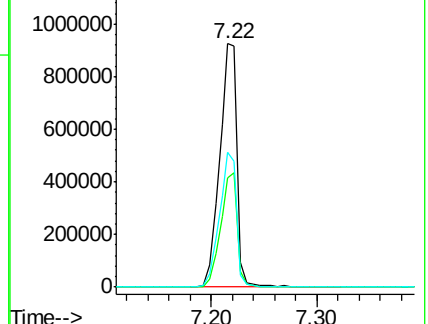
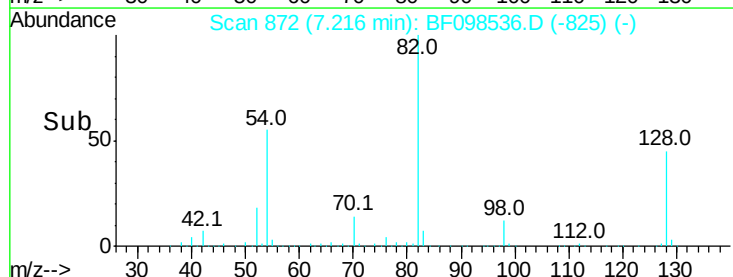
54 55.2 42.2 63.2

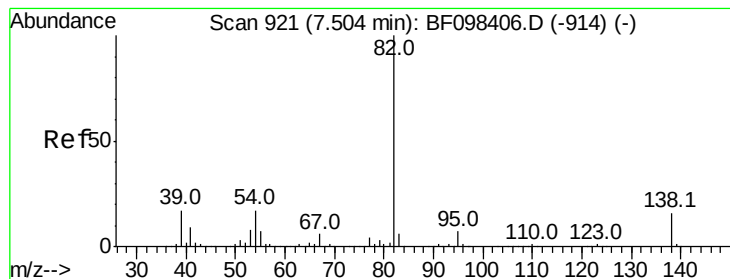


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 51.556 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.29 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Instrument :

BNA_F

ClientSampleId :

G-8B-2

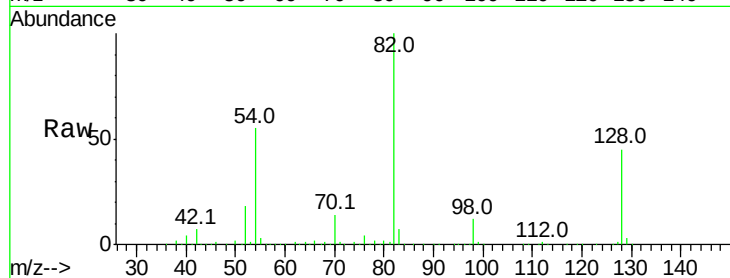
Tot Ion: 82 Resp: 1064966

Ion Ratio Lower Upper

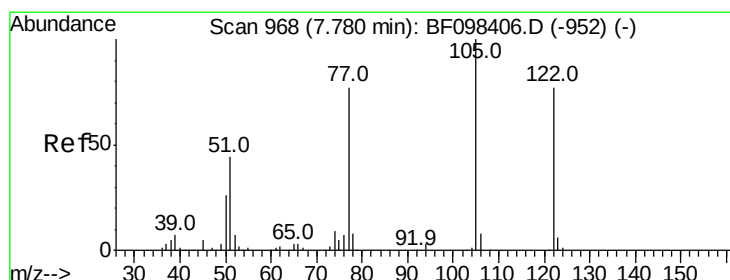
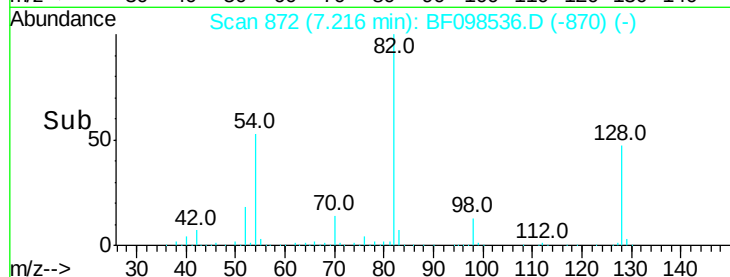
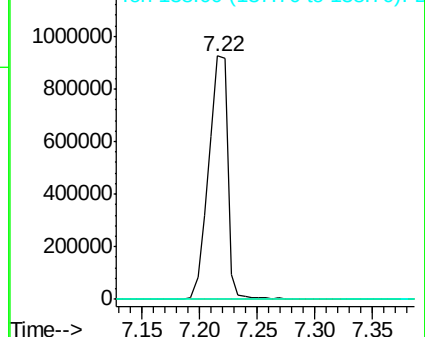
82 100

95 0.1 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



#32

Benzoic acid

Concen: 8.005 ng

RT: 7.81 min Scan# 973

Delta R.T. 0.03 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

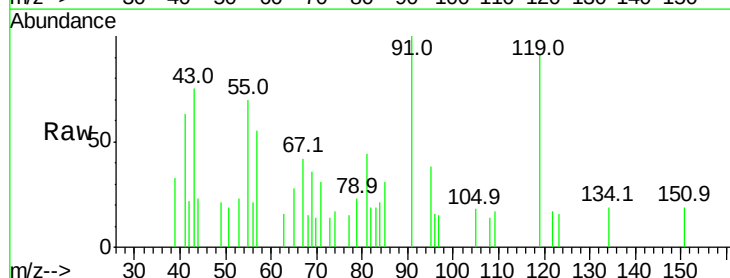
Tgt Ion:122 Resp: 254

Ion Ratio Lower Upper

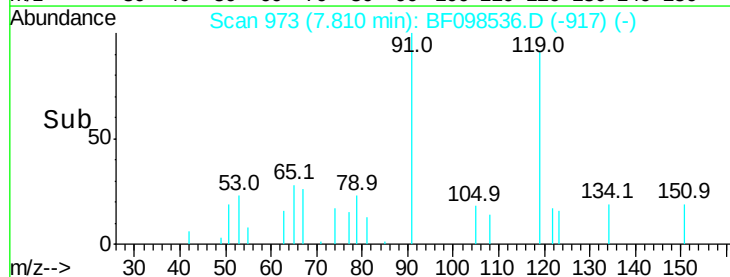
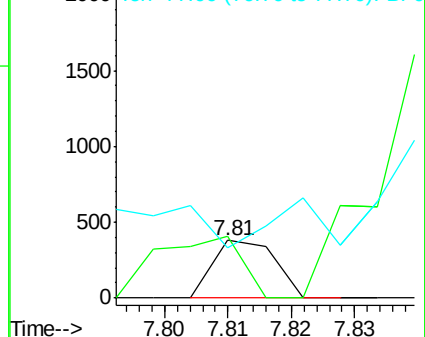
122 100

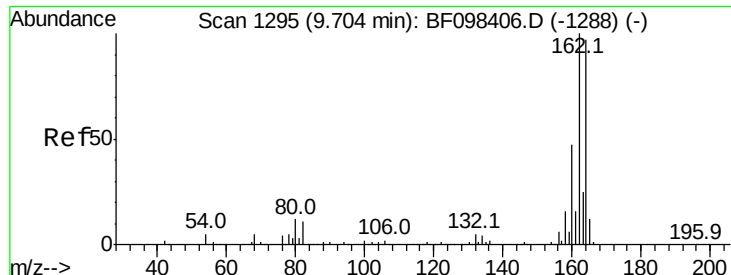
105 106.3 103.3 143.3

77 87.6 73.7 113.7



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): BF0

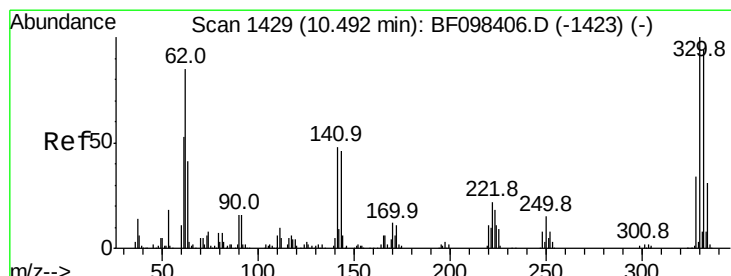
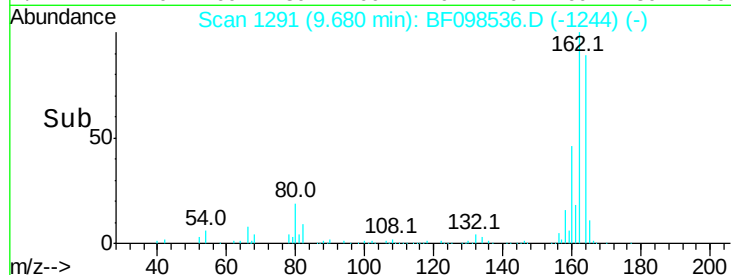
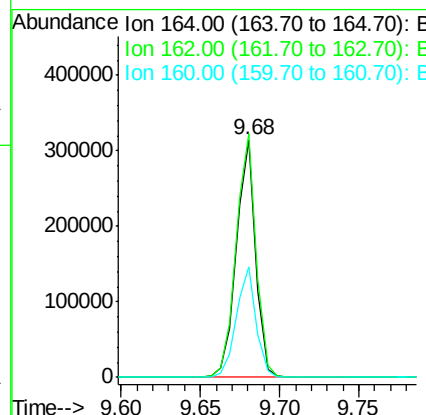
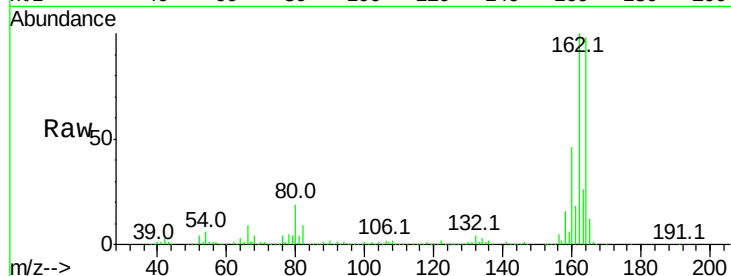




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF098536.D
 Acq: 14 Sep 2017 19:02

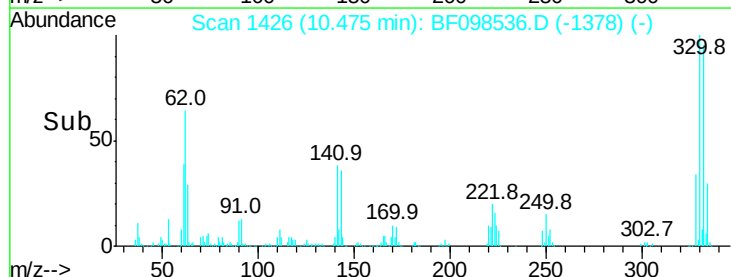
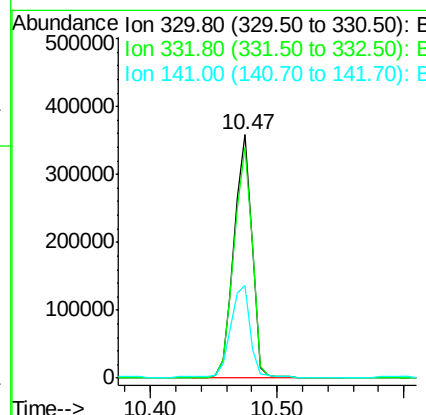
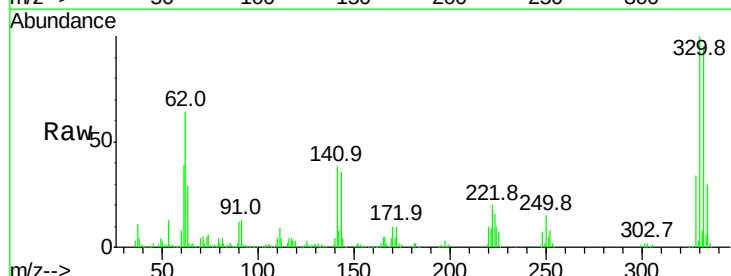
Instrument :
 BNA_F
 ClientSampleId :
 G-8B-2

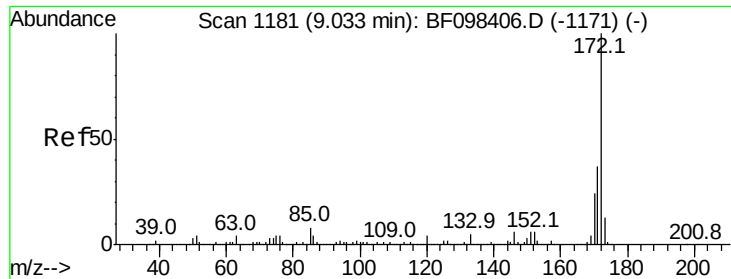
Tot Ion:164 Resp: 265966
 Ion Ratio Lower Upper
 164 100
 162 102.5 82.6 123.8
 160 46.7 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 198.440 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098536.D
 Acq: 14 Sep 2017 19:02

Tgt Ion:330 Resp: 352252
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 115.0
 141 42.0 31.4 47.2





#44

2-Fluorobiphenyl

Concen: 115.231 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Instrument :

BNA_F

ClientSampleId :

G-8B-2

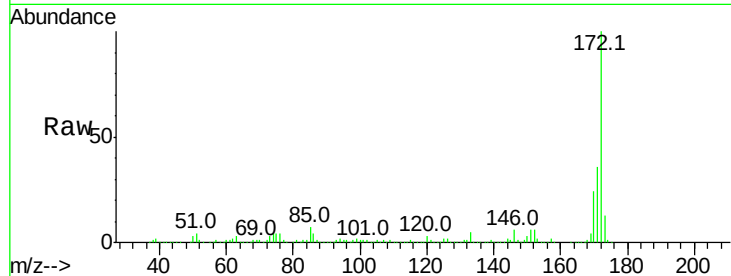
Tot Ion:172 Resp: 1808194

Ion Ratio Lower Upper

172 100

171 36.4 29.6 44.4

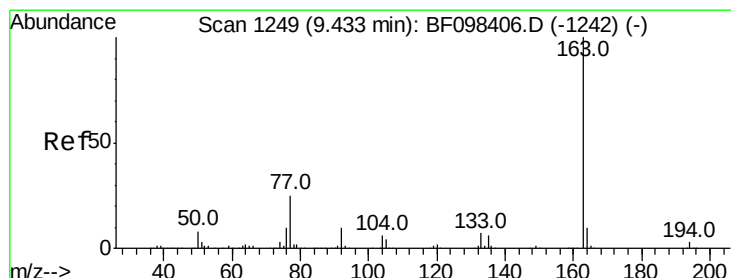
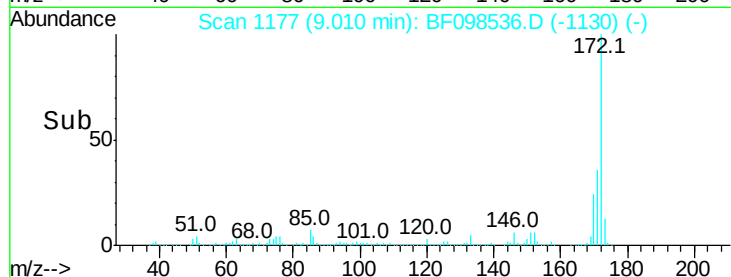
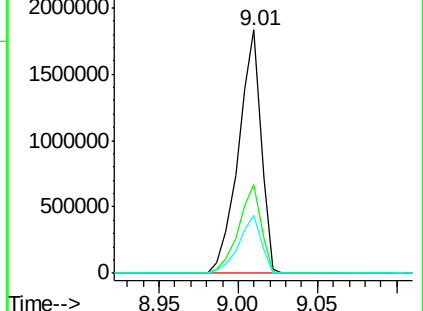
170 23.9 19.8 29.8



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



#49

Dimethylphthalate

Concen: 9.722 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

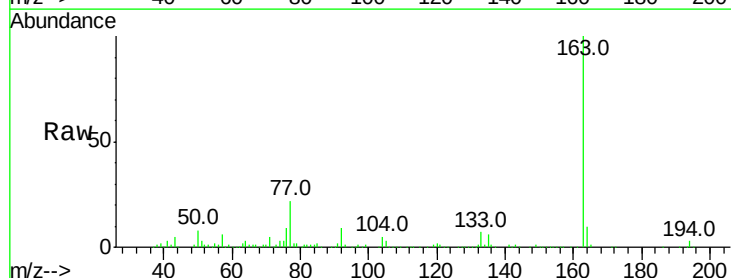
Tgt Ion:163 Resp: 200156

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

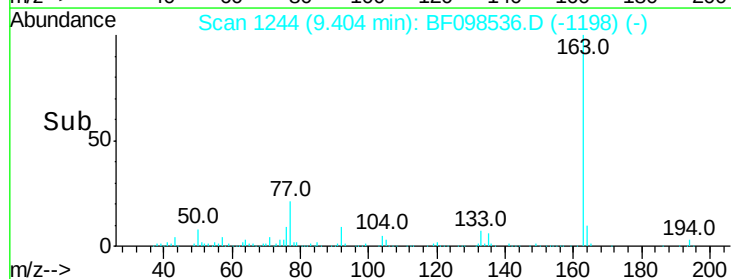
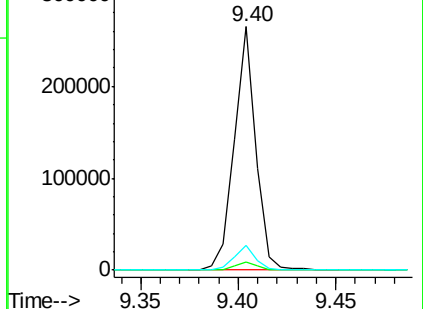
164 10.1 8.4 12.6

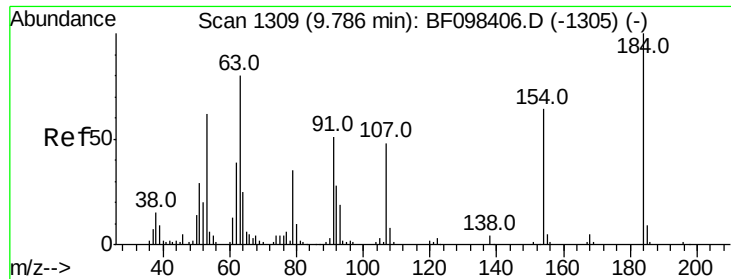


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

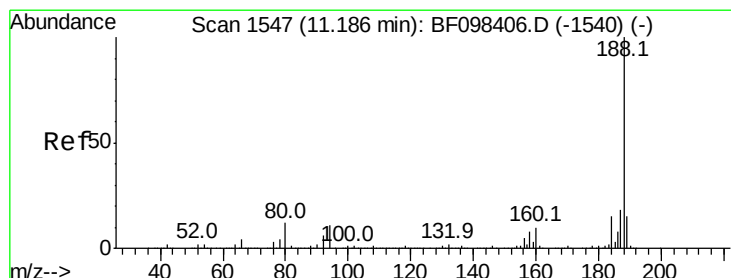
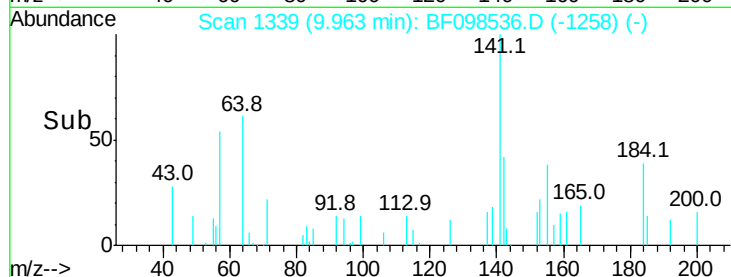
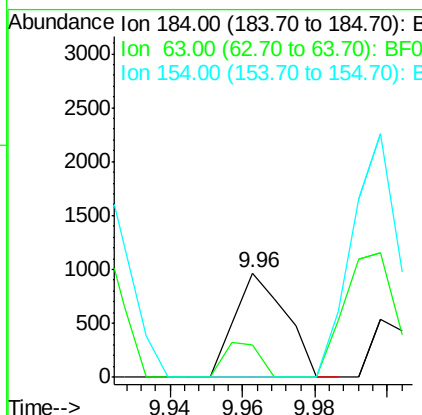
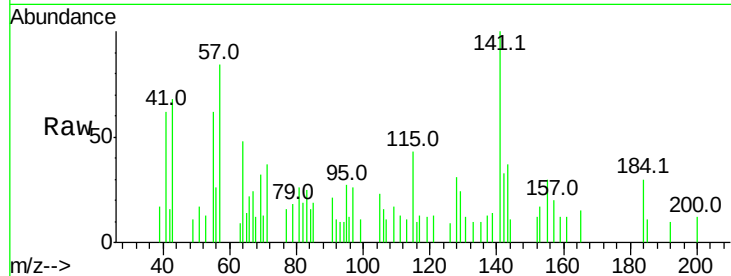




#53
 2,4-Dinitrophenol
 Concen: 8.946 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. 0.18 min
 Lab File: BF098536.D
 Acq: 14 Sep 2017 19:02

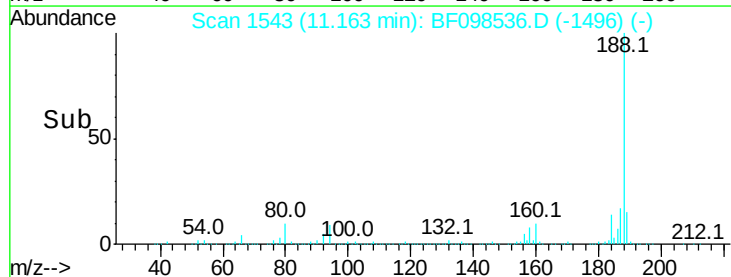
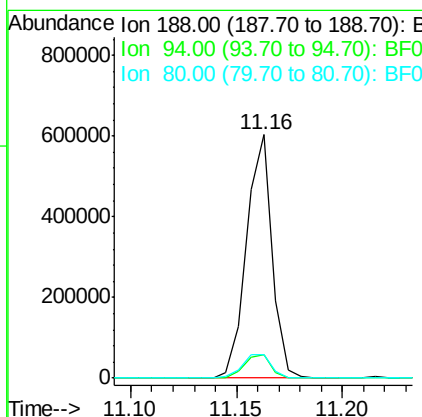
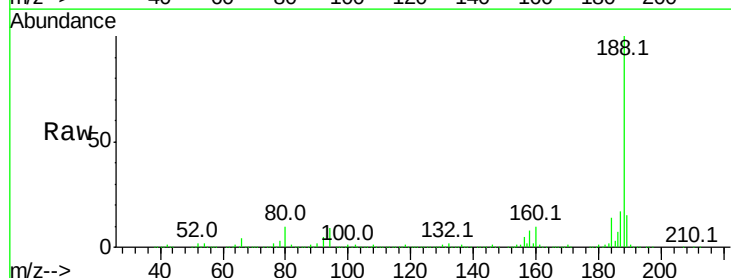
Instrument :
 BNA_F
 ClientSampled :
 G-8B-2

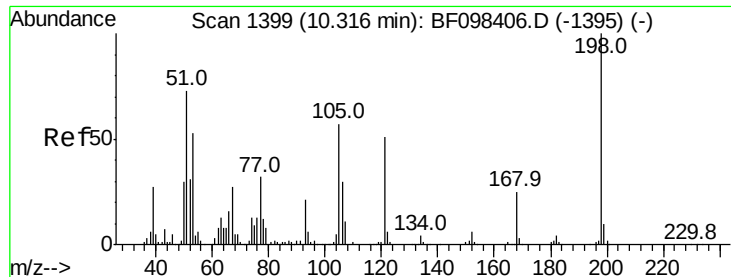
Tot Ion:184 Resp: 943
 Ion Ratio Lower Upper
 184 100
 63 31.4 62.7 94.1#
 154 0.0 81.1 121.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.02 min
 Lab File: BF098536.D
 Acq: 14 Sep 2017 19:02

Tgt Ion:188 Resp: 505484
 Ion Ratio Lower Upper
 188 100
 94 9.4 9.4 14.2#
 80 9.8 10.2 15.2#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.037 ng

RT: 10.24 min Scan# 1386

Delta R.T. -0.08 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Instrument :

BNA_F

ClientSampled :

G-8B-2

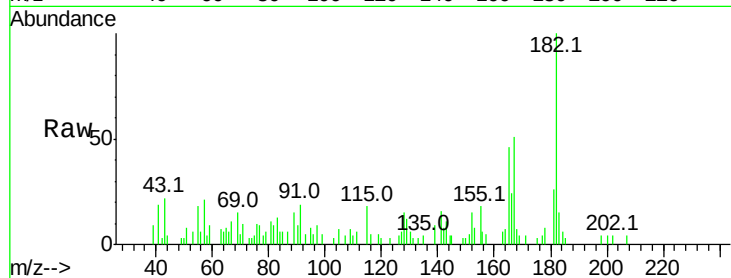
Tot Ion:198 Resp: 251

Ion Ratio Lower Upper

198 100

51 207.9 53.2 93.2#

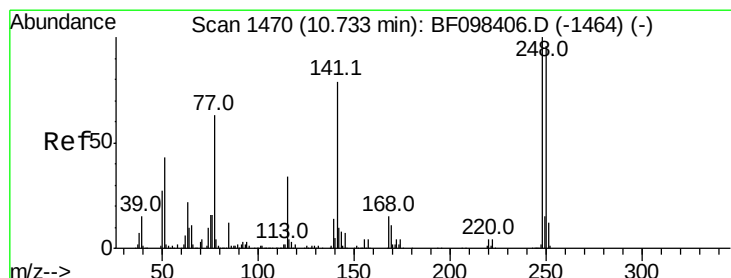
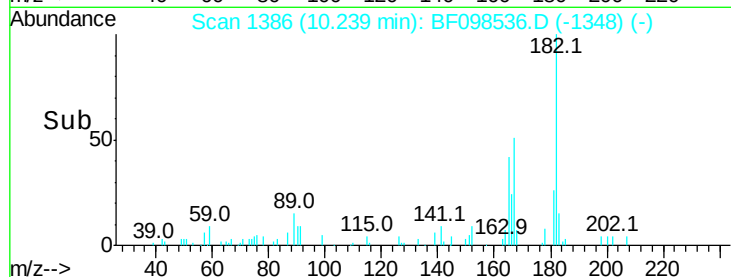
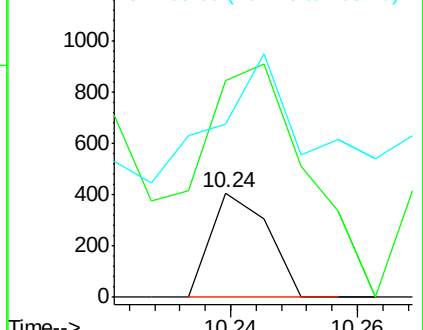
105 166.7 45.8 85.8#



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: 5.633 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.26 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

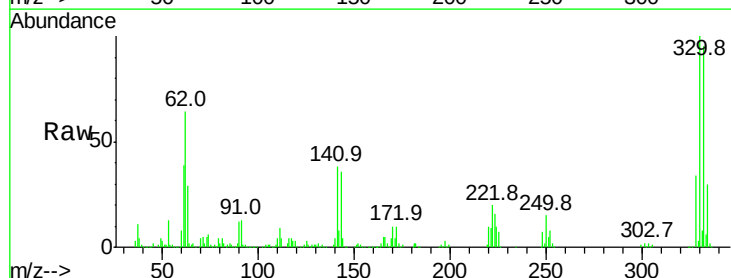
Tgt Ion:248 Resp: 27022

Ion Ratio Lower Upper

248 100

250 199.6 76.8 115.2#

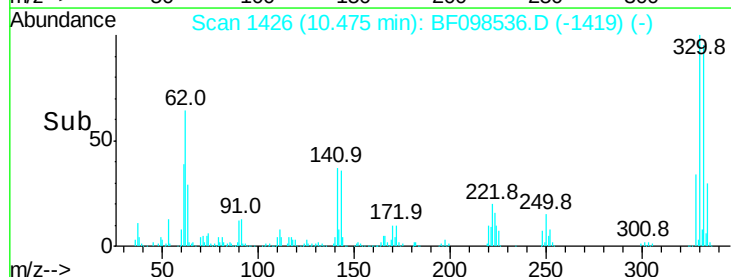
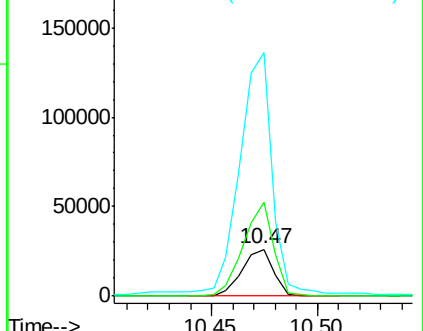
141 517.1 68.6 103.0#

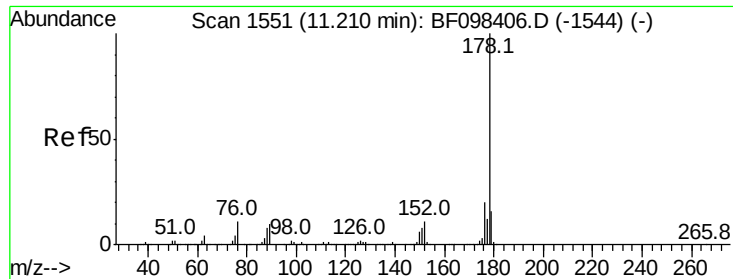


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

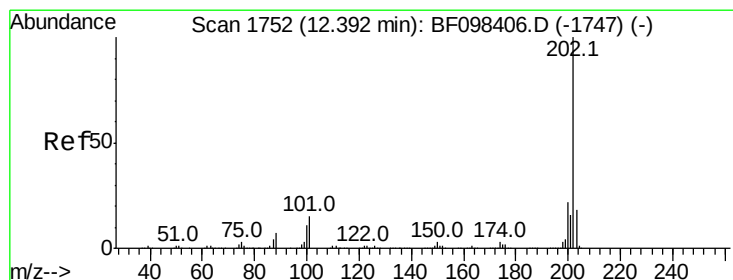
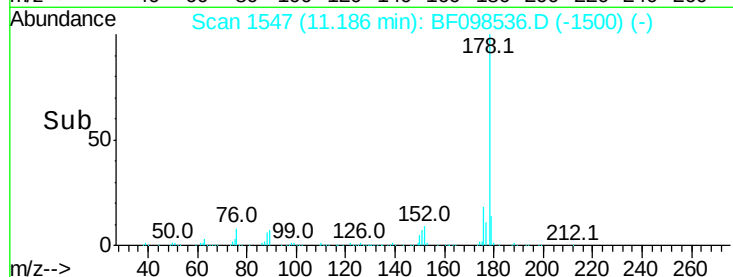
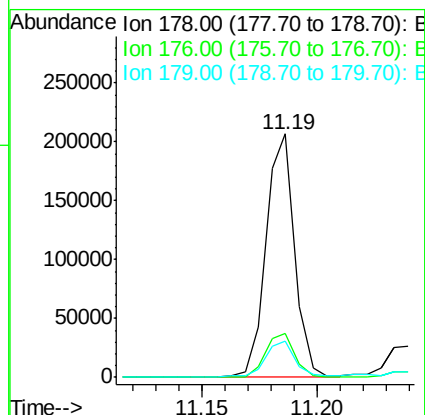
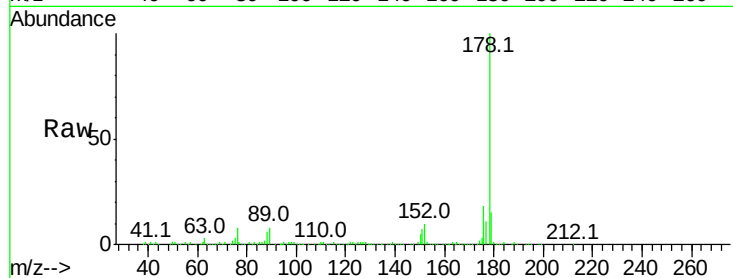




#70
 Phenanthrene
 Concen: 6.645 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF098536.D
 Acq: 14 Sep 2017 19:02

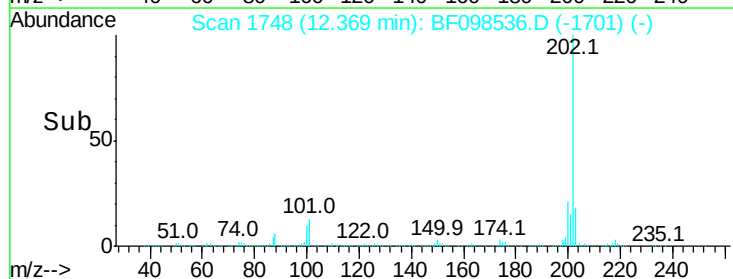
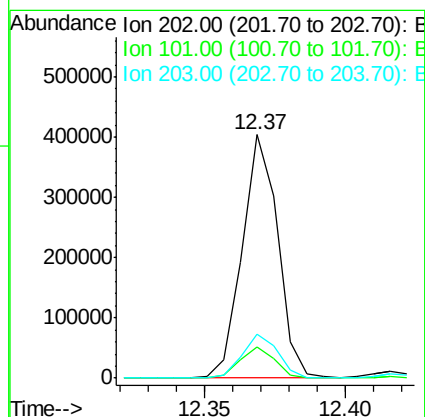
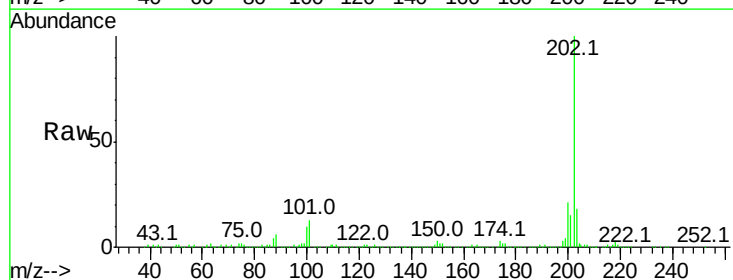
Instrument :
 BNA_F
 ClientSampled :
 G-8B-2

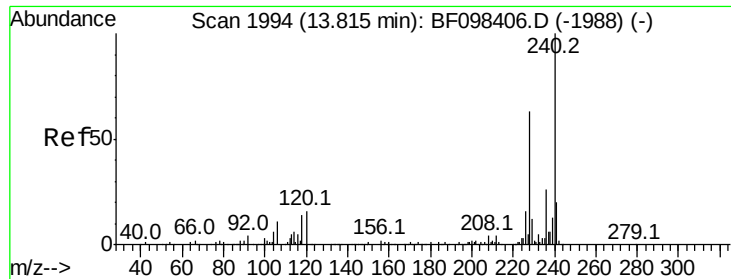
Tot Ion:178 Resp: 178069
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.2 24.4
 179 14.7 12.6 19.0



#74
 Fluoranthene
 Concen: 13.081 ng
 RT: 12.37 min Scan# 1748
 Delta R.T. -0.02 min
 Lab File: BF098536.D
 Acq: 14 Sep 2017 19:02

Tgt Ion:202 Resp: 350911
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 33.2
 203 18.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Instrument :

BNA_F

ClientSampleId :

G-8B-2

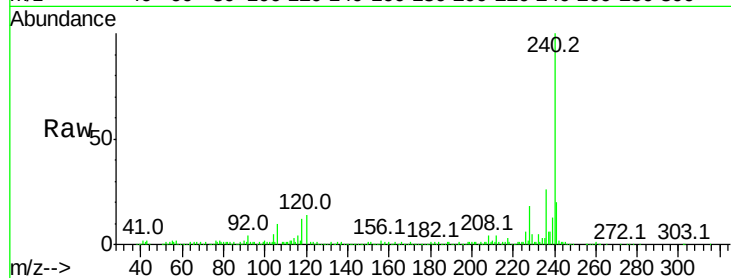
Tot Ion:240 Resp: 311797

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

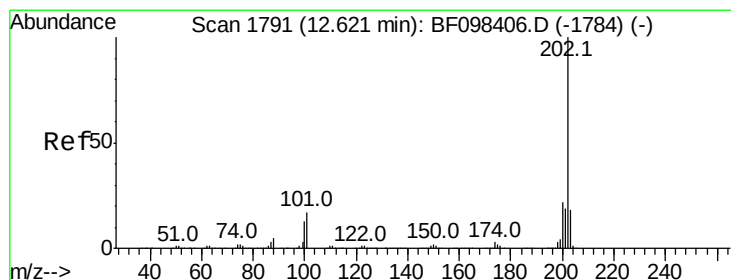
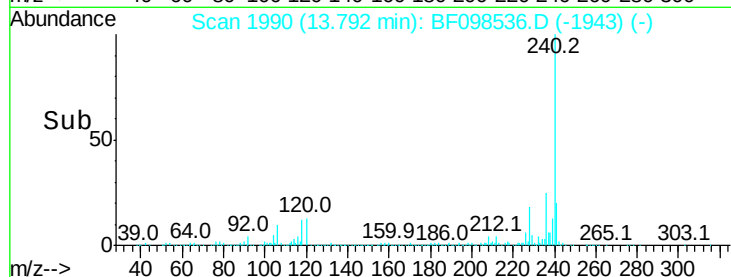
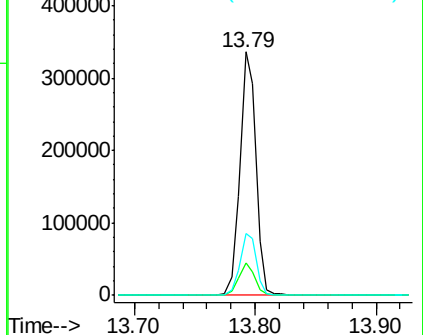
236 25.6 20.5 30.7



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: 12.169 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

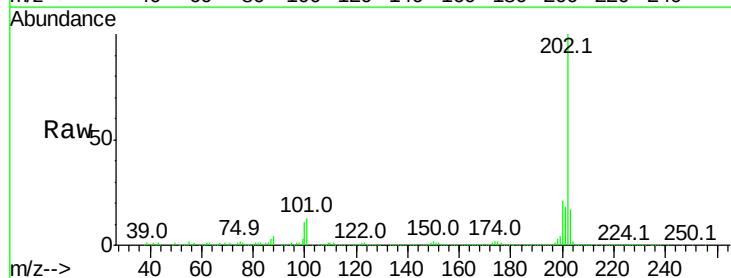
Tgt Ion:202 Resp: 299312

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

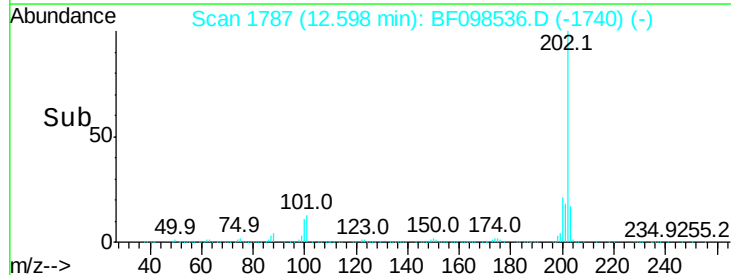
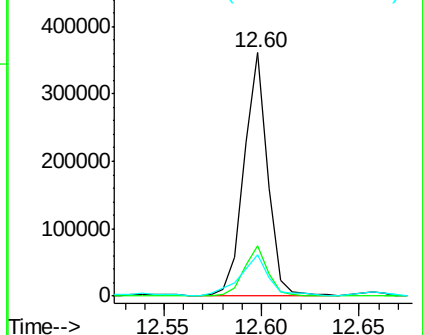
203 17.0 14.4 21.6

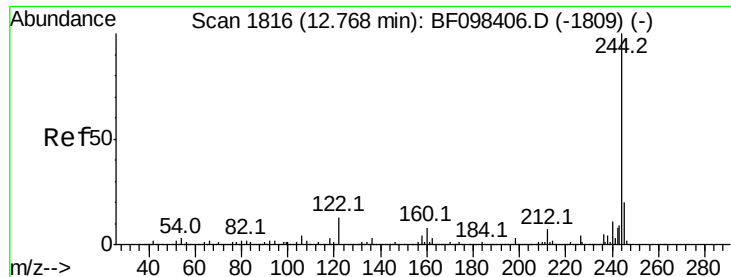


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 106.793 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Instrument :

BNA_F

ClientSampleId :

G-8B-2

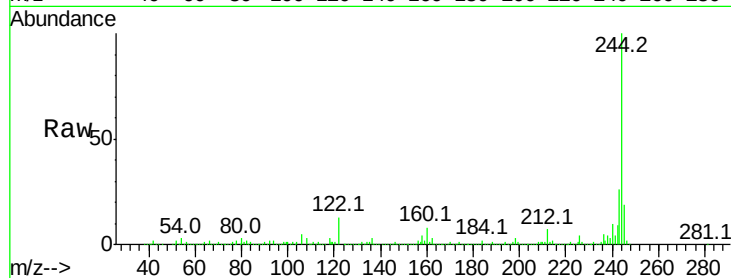
Tot Ion:244 Resp: 1542655

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

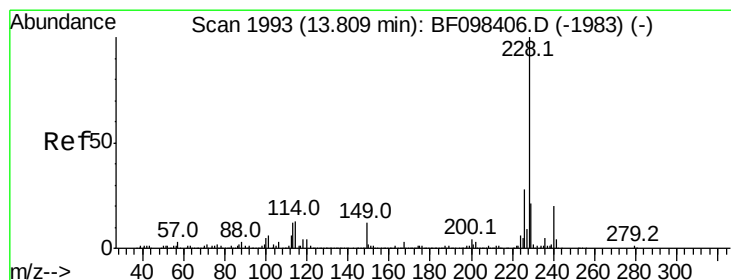
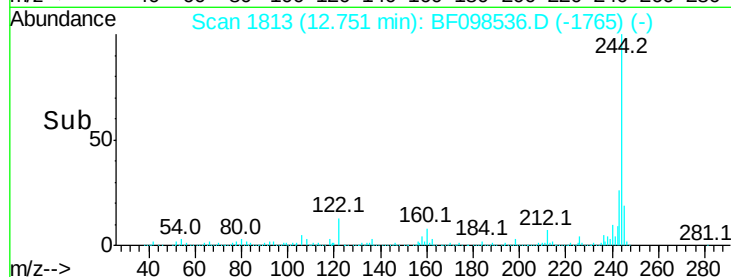
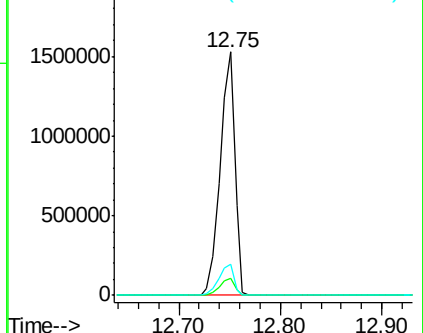
122 12.8 10.3 15.5



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: 8.137 ng

RT: 13.79 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

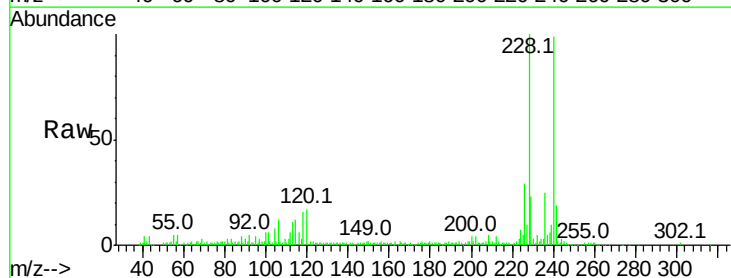
Tgt Ion:228 Resp: 148750

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

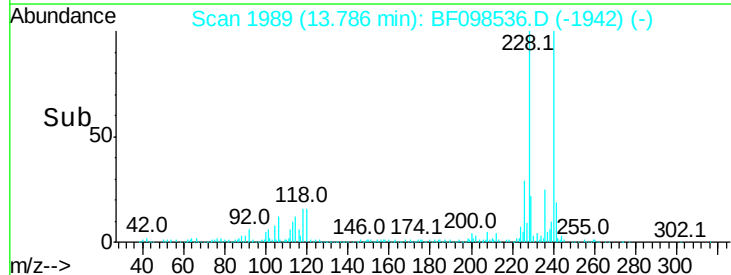
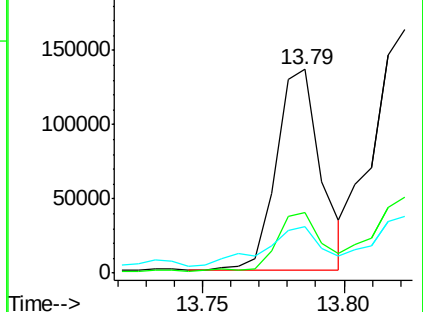
229 22.6 16.3 24.5

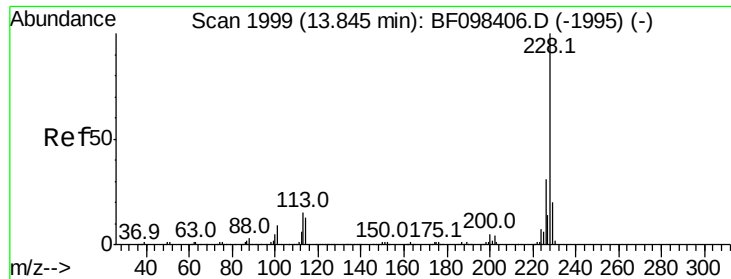


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.761 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Instrument :

BNA_F

ClientSampled :

G-8B-2

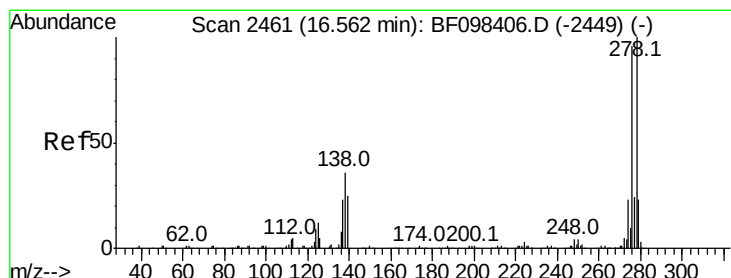
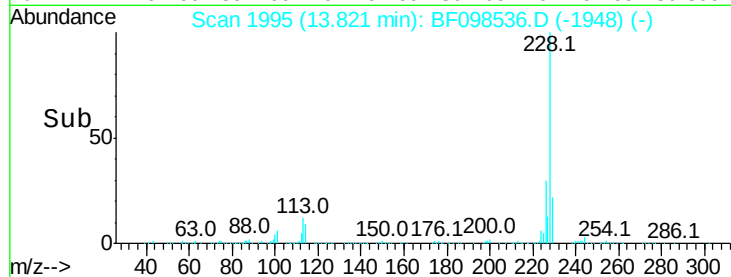
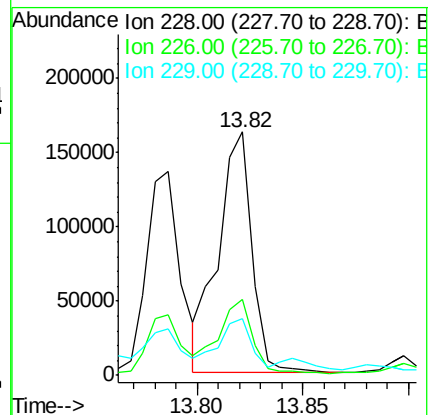
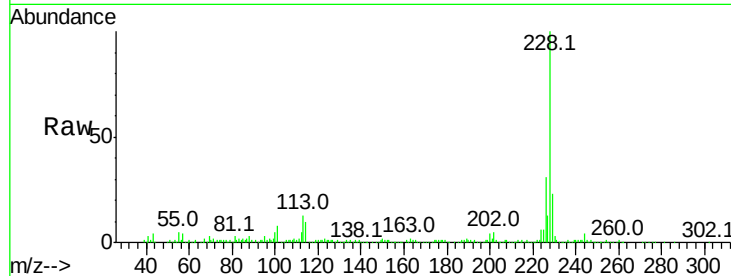
Tot Ion:228 Resp: 180370

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

229 23.3 15.8 23.6



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.749 ng

RT: 16.52 min Scan# 2454

Delta R.T. -0.04 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

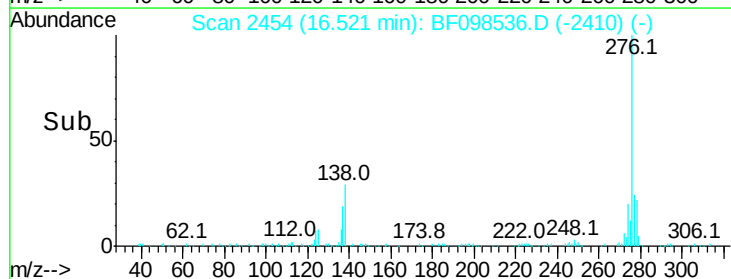
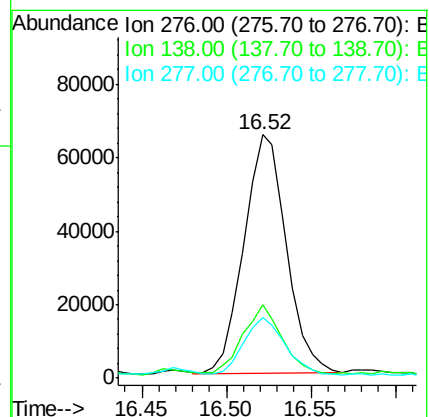
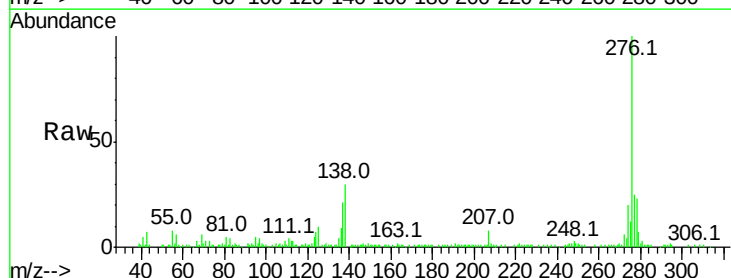
Tgt Ion:276 Resp: 113428

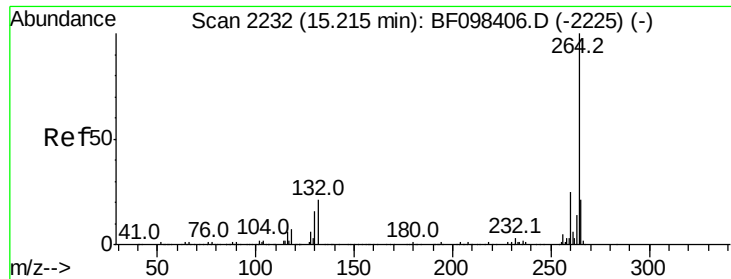
Ion Ratio Lower Upper

276 100

138 28.2 27.8 41.6

277 23.5 20.2 30.4

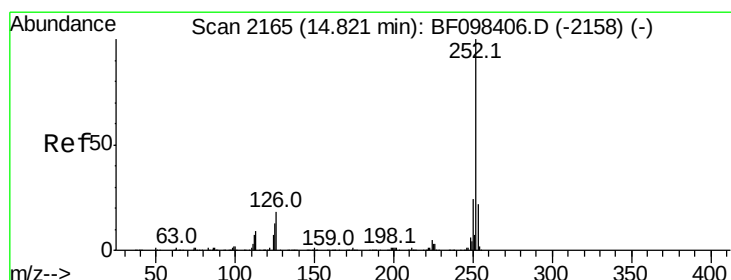
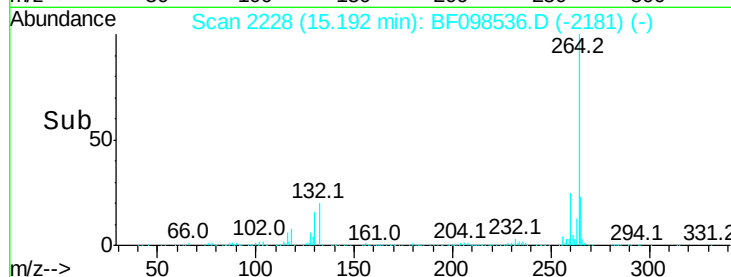
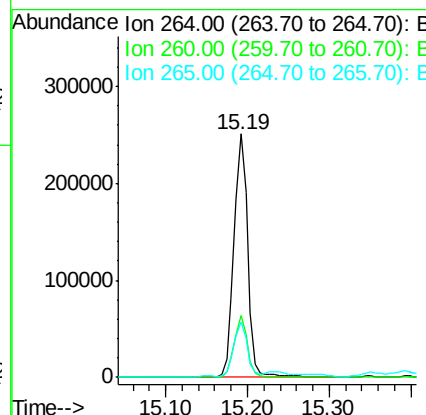
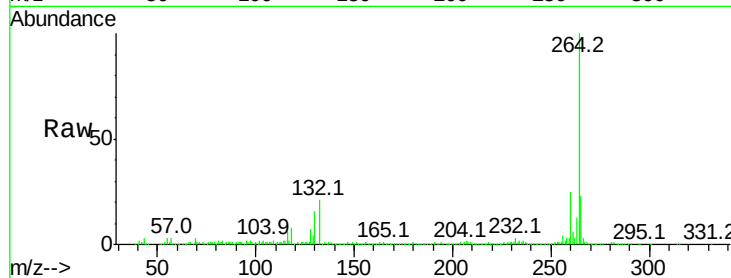




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

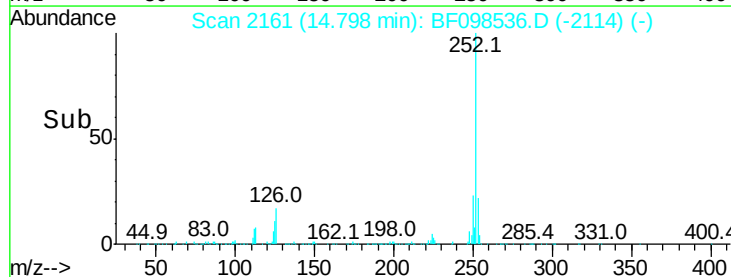
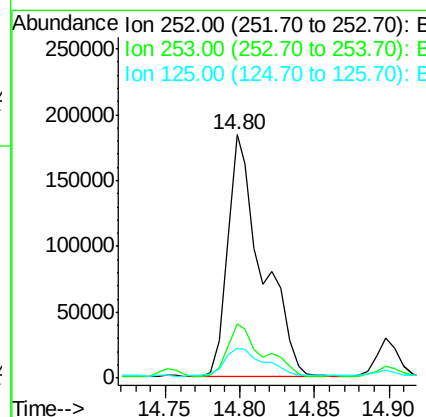
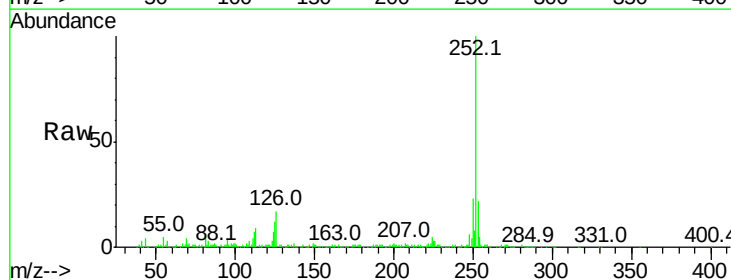
Instrument :
BNA_F
ClientSampleId :
G-8B-2

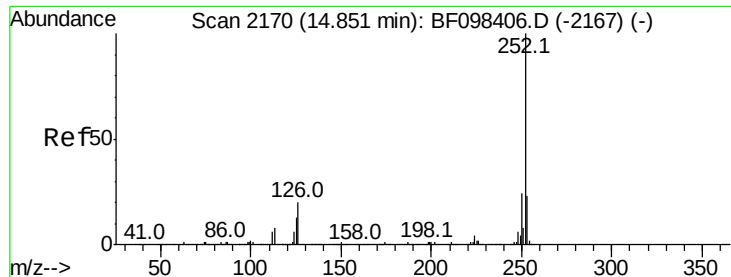
Tot Ion:264 Resp: 294937
Ion Ratio Lower Upper
264 100
260 25.4 19.5 29.3
265 23.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 16.033 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

Tgt Ion:252 Resp: 297323
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 12.4 9.8 14.8

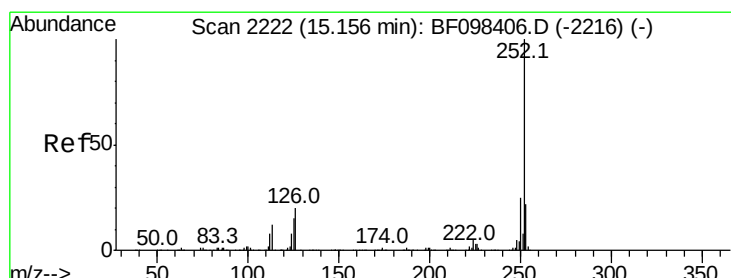
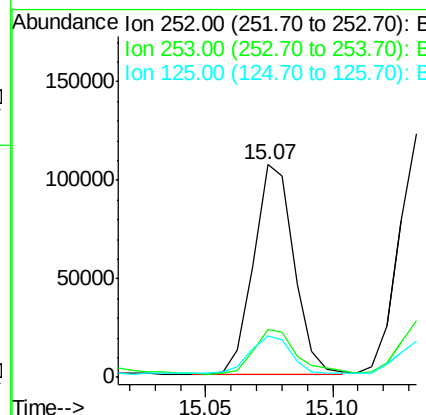
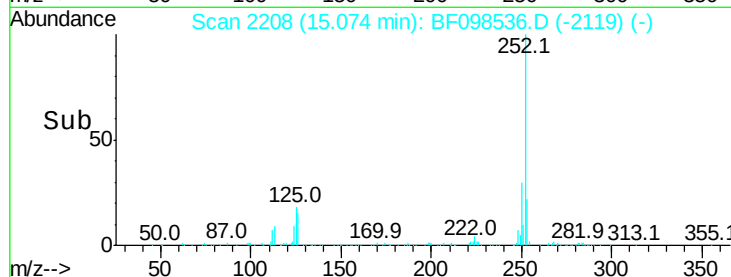
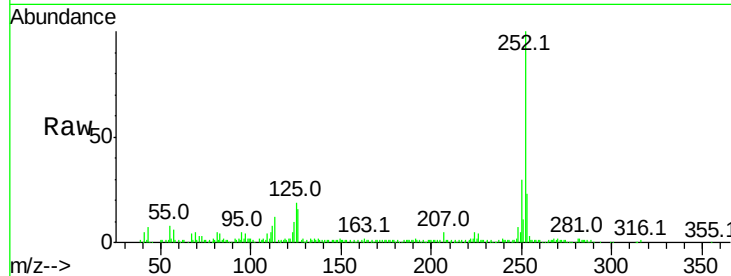




#88
Benzo(k)fluoranthene
Concen: 6.898 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.22 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

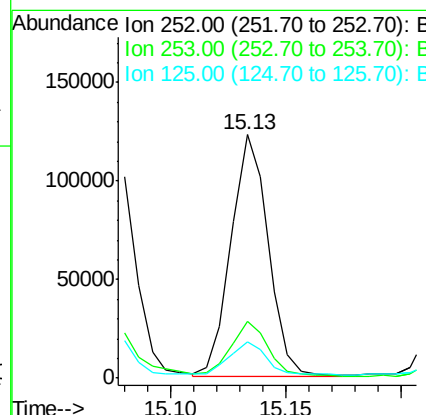
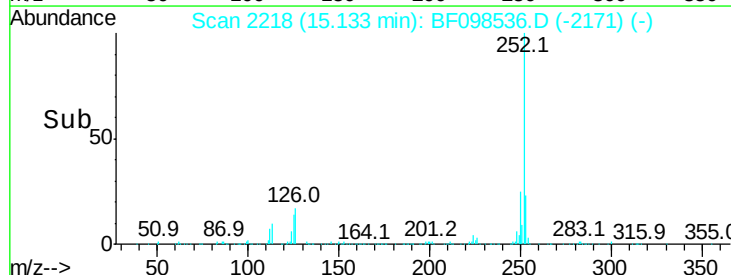
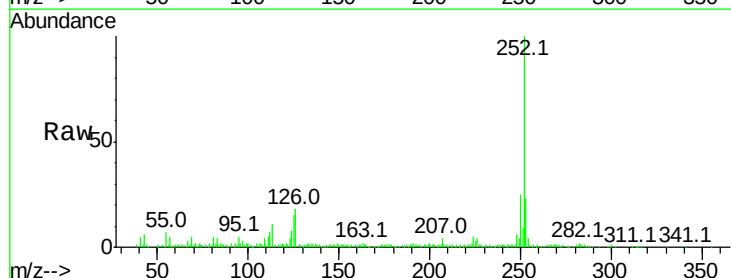
Instrument :
BNA_F
ClientSampleId :
G-8B-2

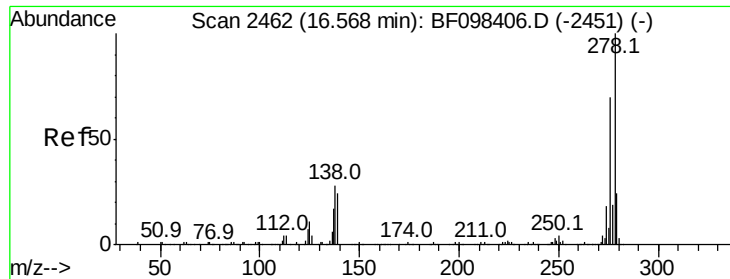
Tot Ion:252 Resp: 119426
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 19.4 13.1 19.7



#89
Benzo(a)pyrene
Concen: 8.338 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.02 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

Tgt Ion:252 Resp: 137762
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 15.0 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.546 ng

RT: 16.53 min Scan# 2455

Delta R.T. -0.04 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Instrument :

BNA_F

ClientSampled :

G-8B-2

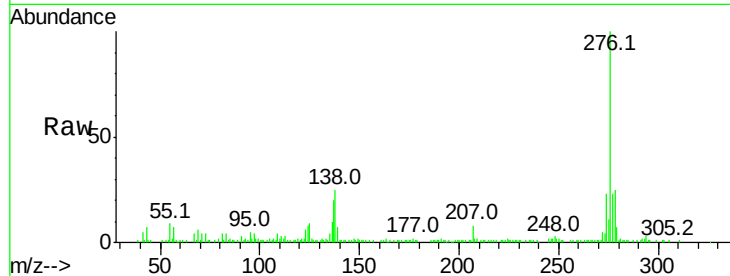
Tot Ion:278 Resp: 30603

Ion Ratio Lower Upper

278 100

139 29.3 16.6 24.8#

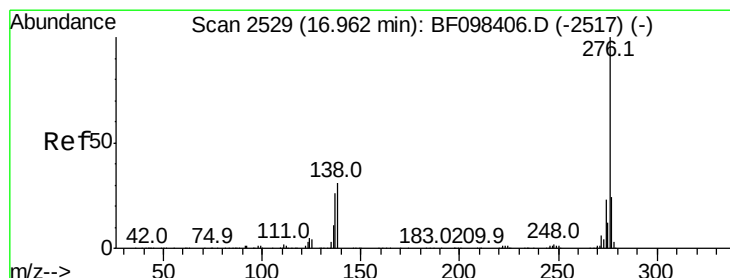
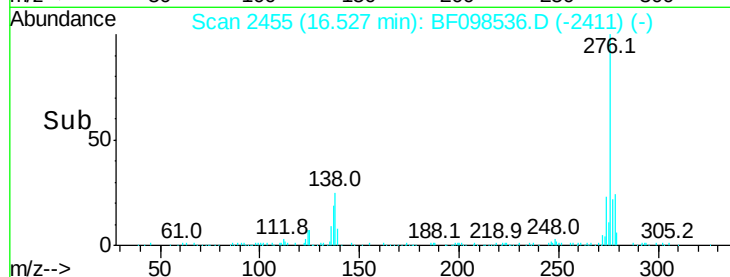
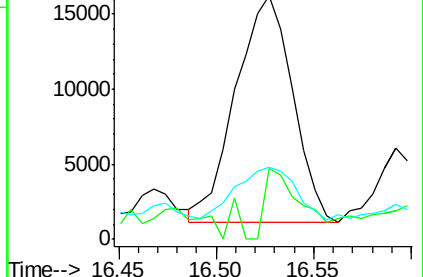
279 29.4 19.3 28.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.555 ng

RT: 16.92 min Scan# 2522

Delta R.T. -0.04 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

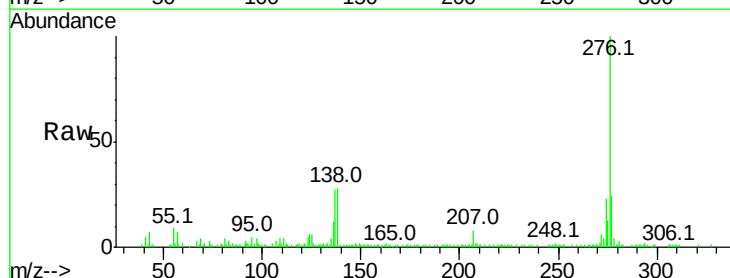
Tgt Ion:276 Resp: 115507

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 27.8 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

