

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098535.D
 Acq On : 14 Sep 2017 18:34
 Operator : SJ/JU
 Sample : I5160-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-8-1

Quant Time: Sep 15 04:58:31 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	123100	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	522569	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	245085	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	476931	20.00	ng	-0.02
75) Chrysene-d12	13.79	240	342305	20.00	ng	-0.02
86) Perylene-d12	15.19	264	284405	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1103456	132.53	ng	-0.02
7) Phenol-d6	6.30	99	1359998	128.65	ng	-0.02
23) Nitrobenzene-d5	7.22	82	833135	88.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	290015	177.30	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1473445	101.90	ng	-0.02
78) Terphenyl-d14	12.75	244	1382285	87.16	ng	-0.02

Target Compounds

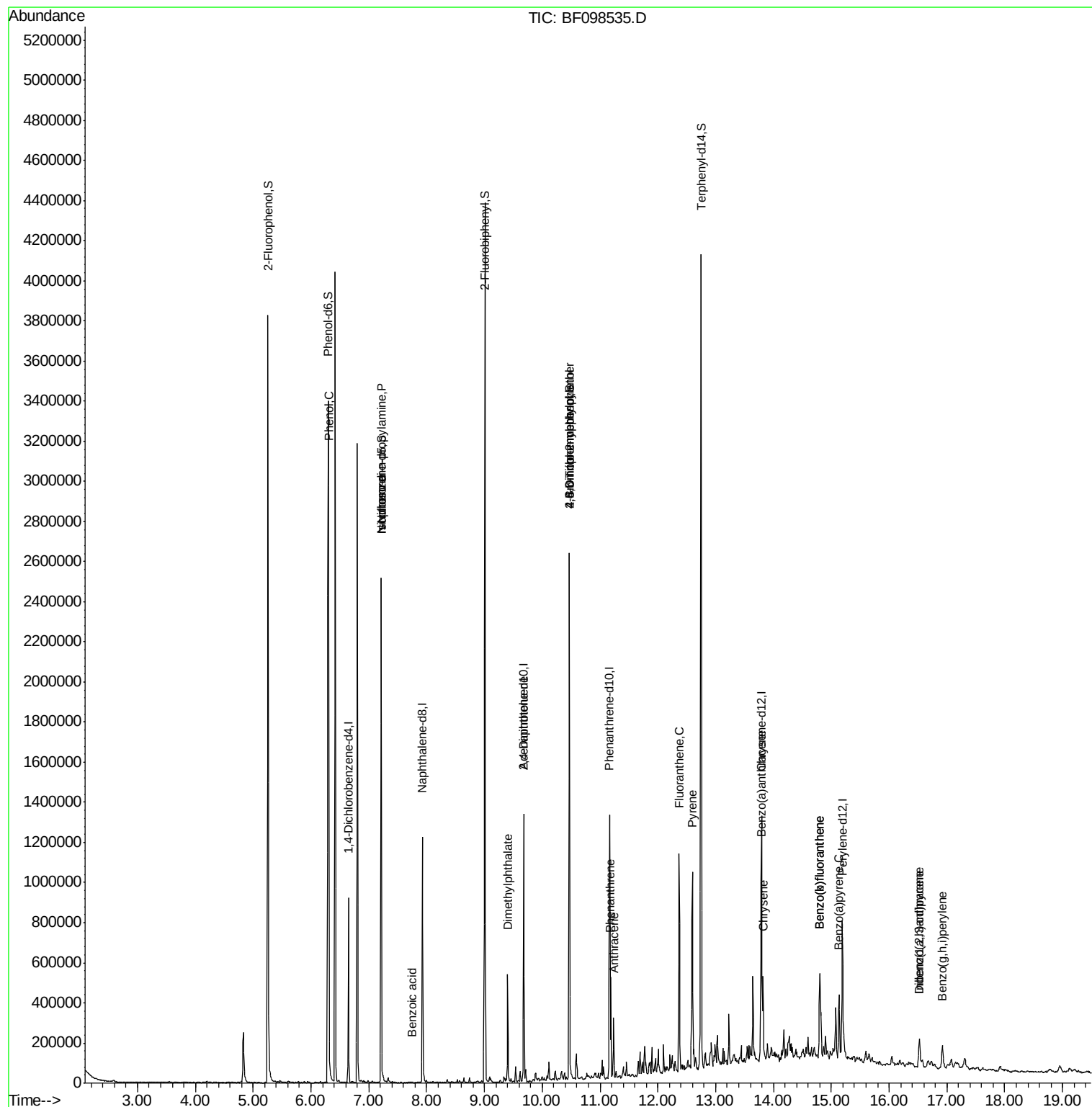
						Qvalue
10) Phenol	6.31	94	37247	3.034	ng	94
19) n-Nitroso-di-n-propylamine	7.22	70	112237	16.879	ng	# 78
25) Isophorone	7.22	82	828237	43.672	ng	# 67
32) Benzoic acid	7.76	122	629	8.065	ng	# 43
49) Dimethylphthalate	9.40	163	189690	9.999	ng	99
56) 2,4-Dinitrotoluene	9.68	165	32067	6.768	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.47	198	476	5.110	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	22254	4.916	ng	# 1
70) Phenanthrene	11.19	178	185755	7.347	ng	98
71) Anthracene	11.23	178	106710	4.111	ng	98
74) Fluoranthene	12.37	202	390315	15.421	ng	99
77) Pyrene	12.60	202	374553	13.871	ng	98
80) Benzo(a)anthracene	13.78	228	176850	8.812	ng	99
82) Chrysene	13.82	228	169328	8.347	ng	98
85) Indeno(1,2,3-cd)pyrene	16.52	276	77747	5.463	ng	# 92
87) Benzo(b)fluoranthene	14.80	252	273604	15.300	ng	97
88) Benzo(k)fluoranthene	14.80	252	273604	16.389	ng	97
89) Benzo(a)pyrene	15.13	252	129635	8.137	ng	98
90) Dibenzo(a,h)anthracene	16.53	278	23766	2.051	ng	# 91
91) Benzo(a,h,i)perylene	16.92	276	77024	6.608	ng	98

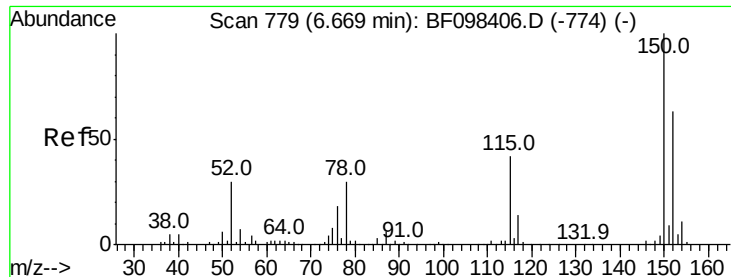
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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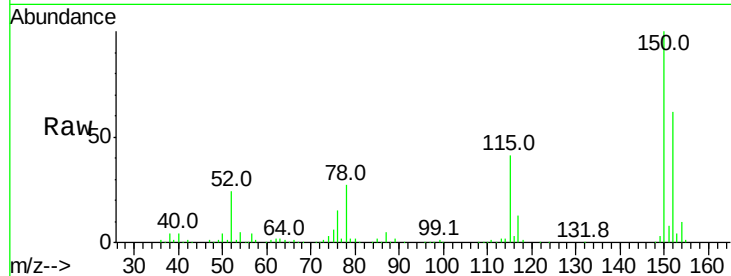


#1

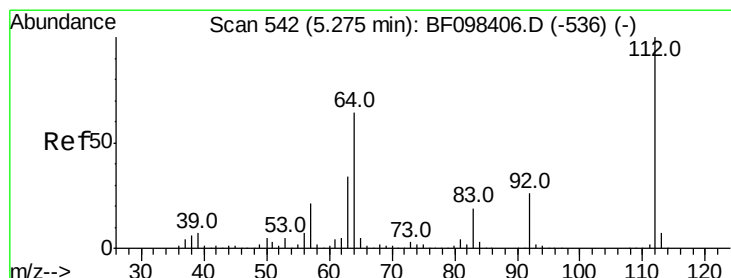
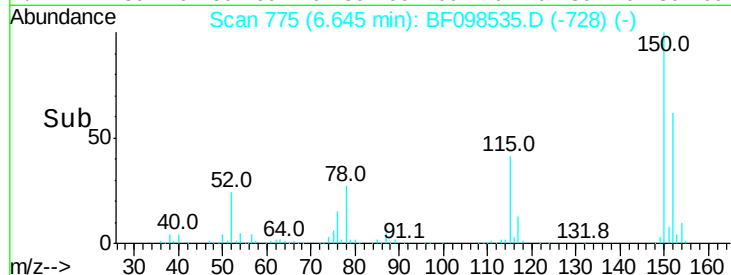
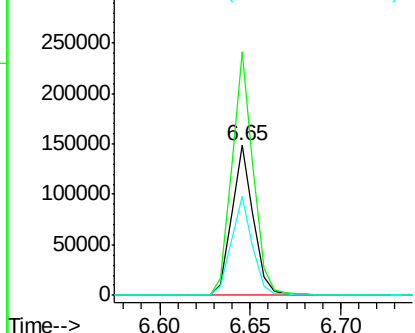
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Instrument :
BNA_F
ClientSampled :
G-8-1

Tot Ion:152 Resp: 123100
Ion Ratio Lower Upper
152 100
150 162.4 126.2 189.2
115 66.1 52.2 78.2



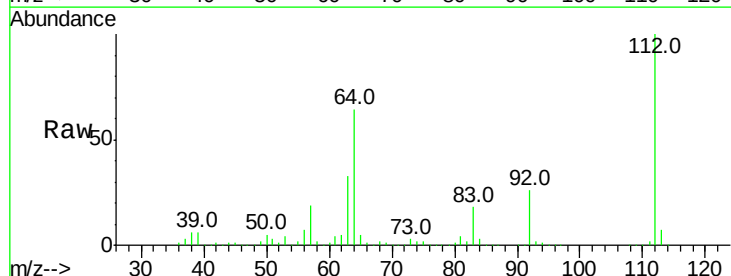
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



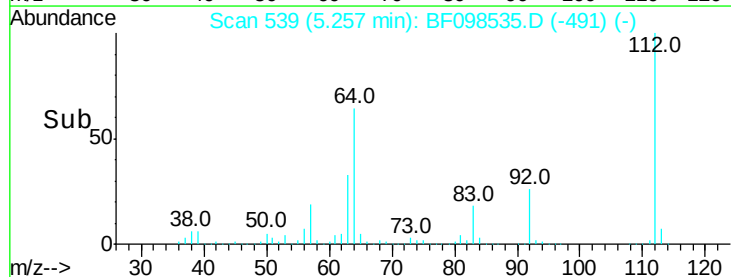
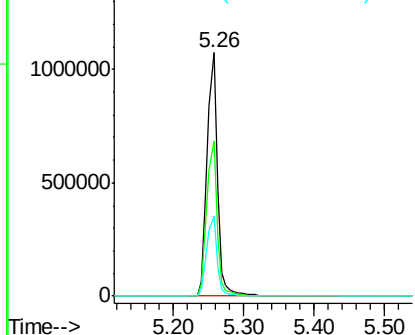
#5

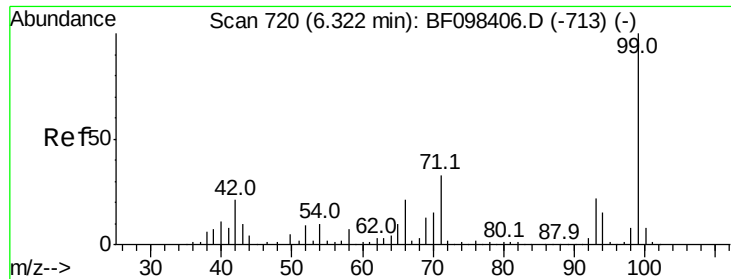
2-Fluorophenol
Concen: 132.533 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Tgt Ion:112 Resp: 1103456
Ion Ratio Lower Upper
112 100
64 63.7 46.0 69.0
63 32.7 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: 128.653 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Instrument :

BNA_F

ClientSampleId :

G-8-1

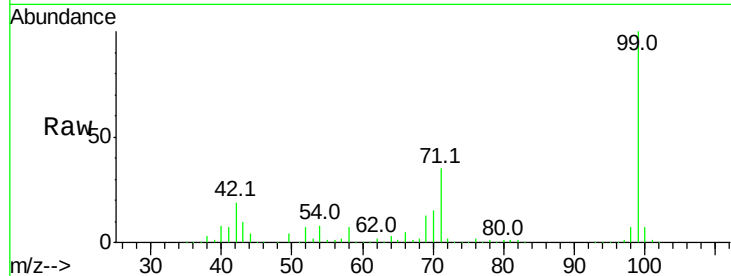
Tot Ion: 99 Resp: 1359998

Ion Ratio Lower Upper

99 100

42 18.6 13.5 20.3

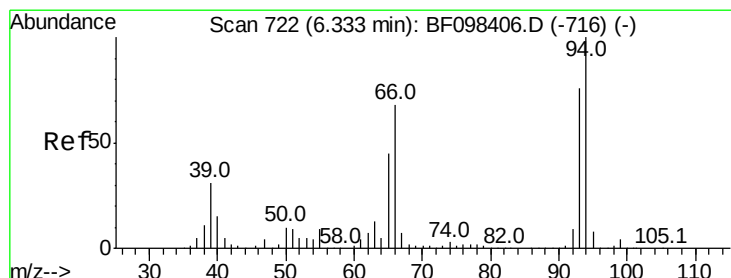
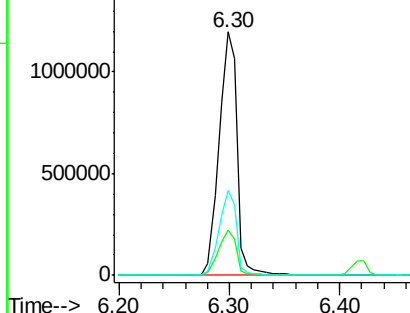
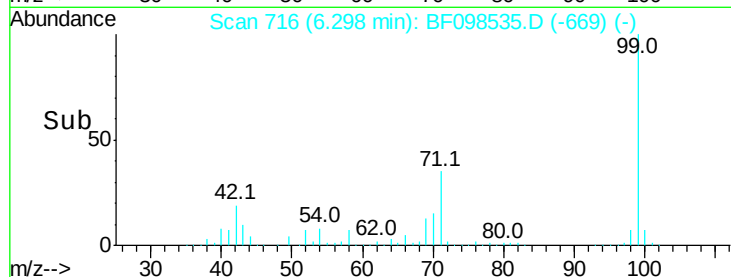
71 35.0 24.5 36.7



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: 3.034 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

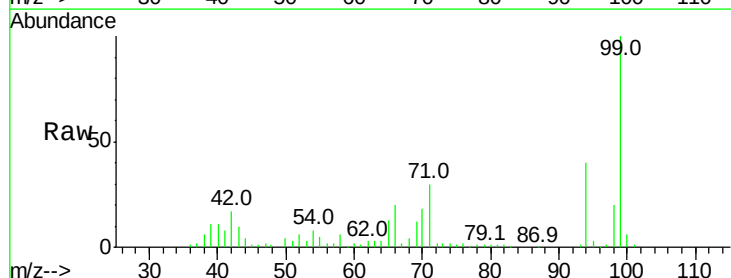
Tgt Ion: 94 Resp: 37247

Ion Ratio Lower Upper

94 100

65 31.1 9.9 49.9

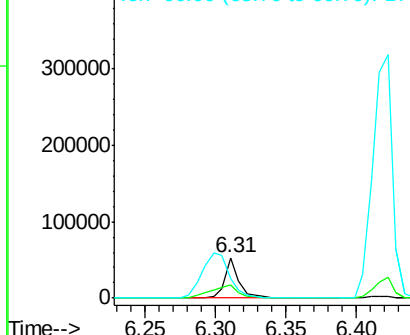
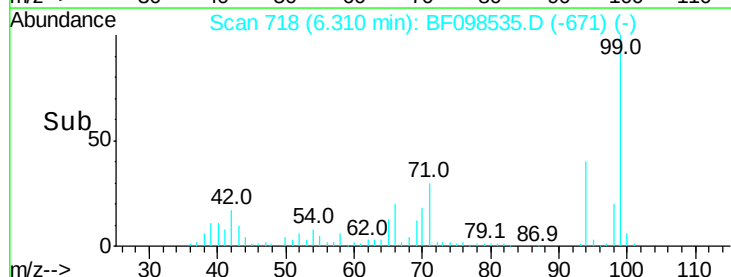
66 48.9 23.1 63.1

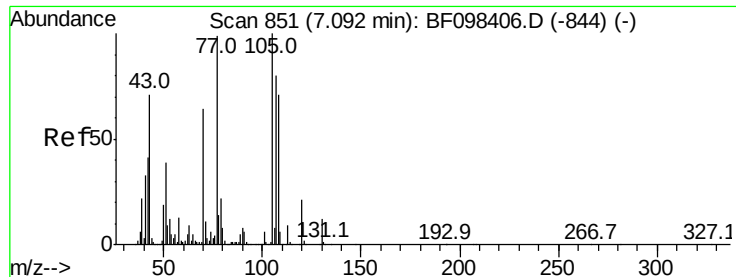


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

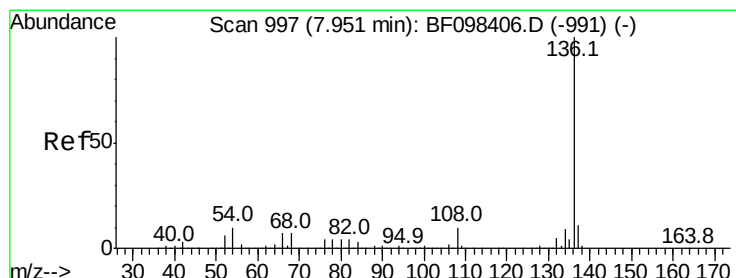
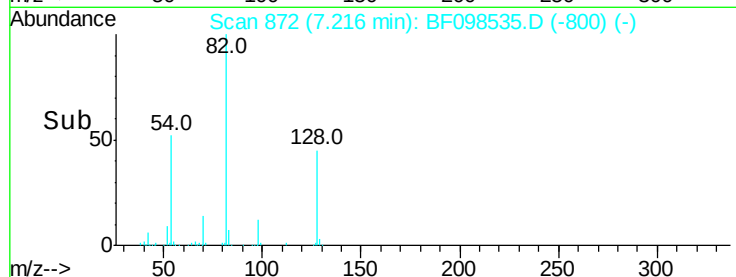
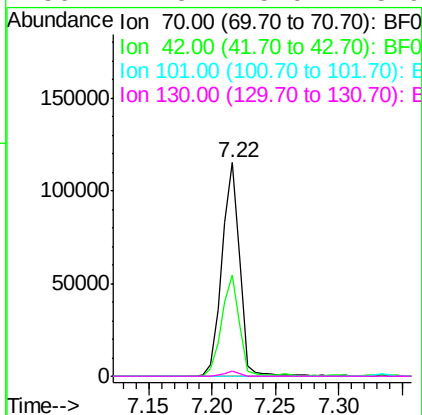
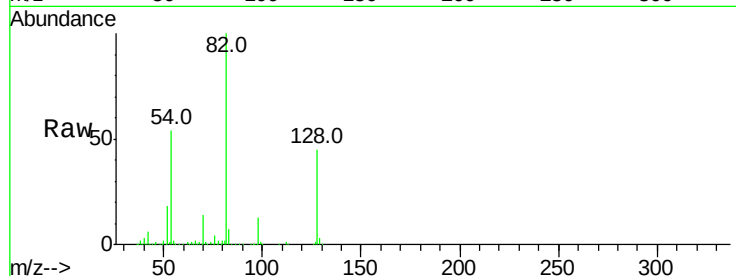




#19
n-Nitroso-di-n-propylamine
Concen: 16.879 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.12 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

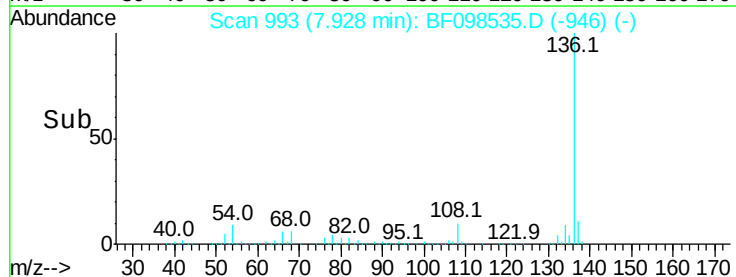
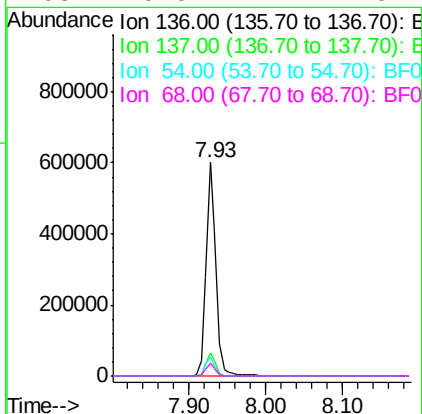
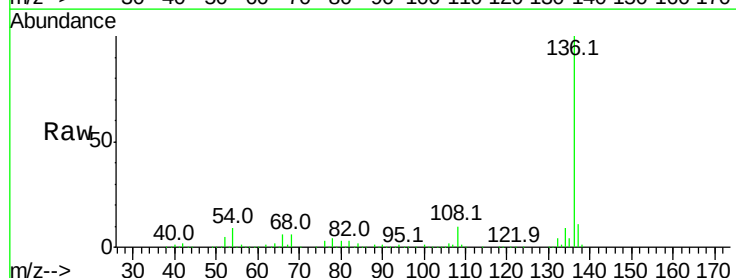
Instrument :
BNA_F
ClientSampleId :
G-8-1

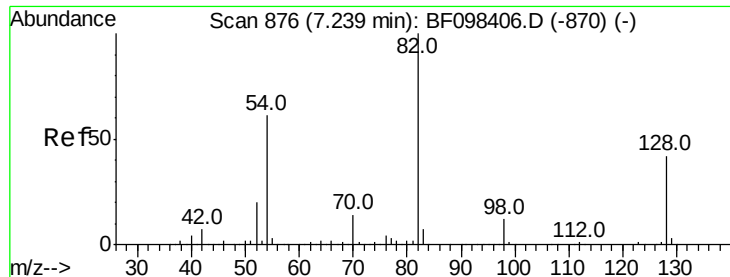
Tot Ion: 70 Resp: 112237
Ion Ratio Lower Upper
70 100
42 47.2 47.2 70.8#
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.02 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Tgt Ion: 136 Resp: 522569
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 9.2 4.9 7.3#
68 6.0 4.1 6.1

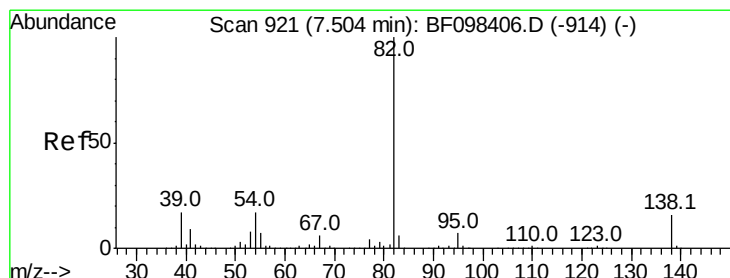
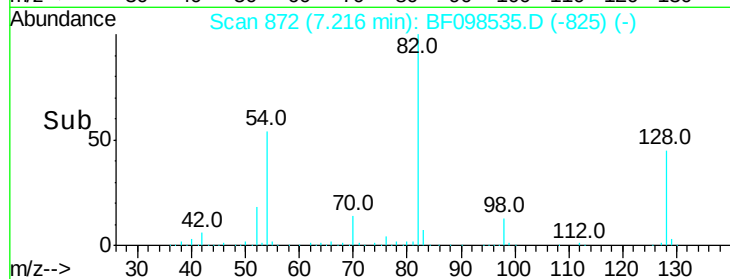
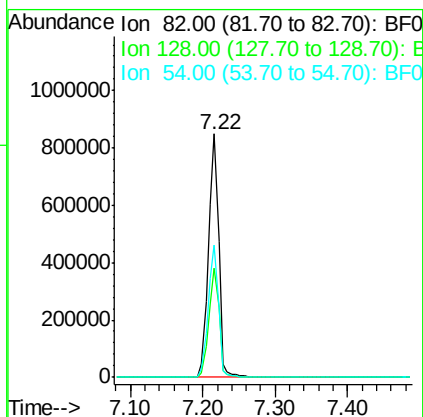
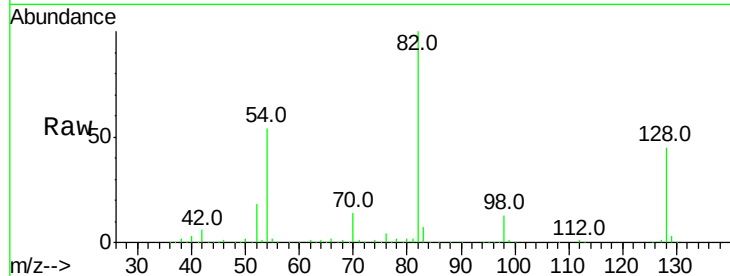




#23
Nitrobenzene-d5
Concen: 88.882 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

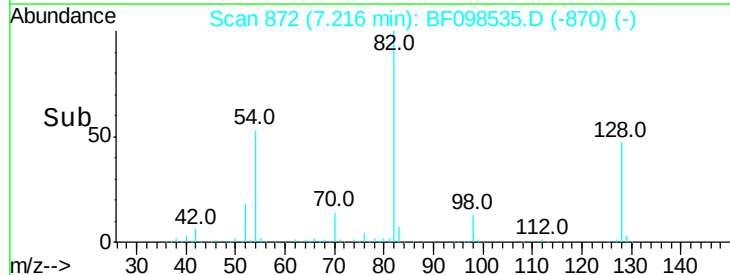
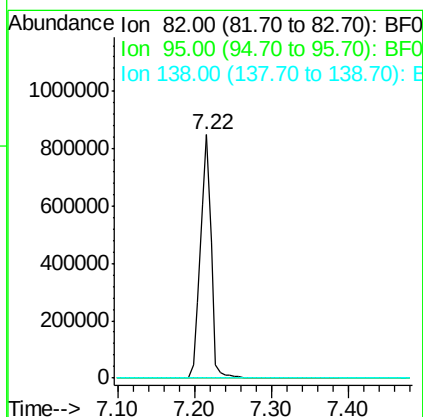
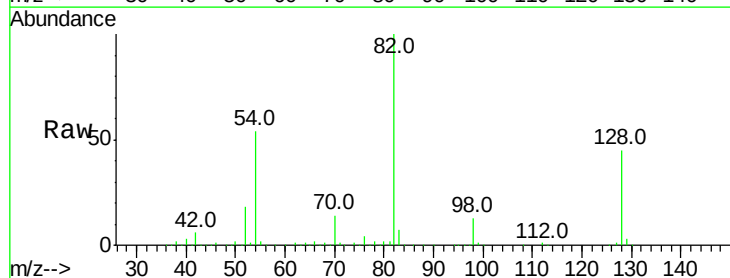
Instrument :
BNA_F
ClientSampleId :
G-8-1

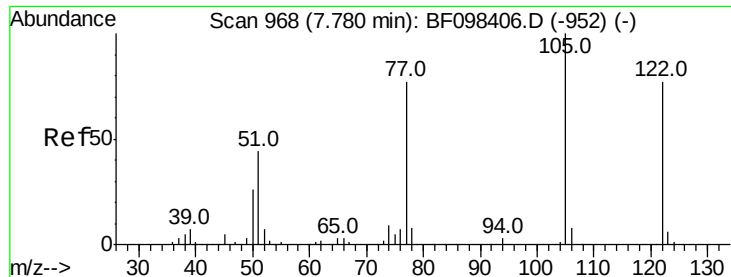
Tot Ion: 82 Resp: 833135
Ion Ratio Lower Upper
82 100
128 45.0 34.0 51.0
54 54.2 42.2 63.2



#25
Isophorone
Concen: 43.672 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.29 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Tgt Ion: 82 Resp: 828237
Ion Ratio Lower Upper
82 100
95 0.1 5.3 7.9#
138 0.0 13.1 19.7#





#32

Benzoic acid

Concen: 8.065 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Instrument :

BNA_F

ClientSampled :

G-8-1

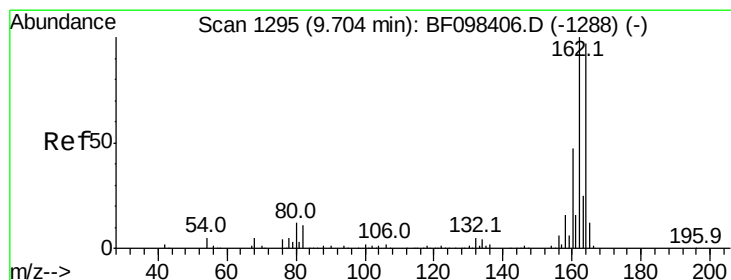
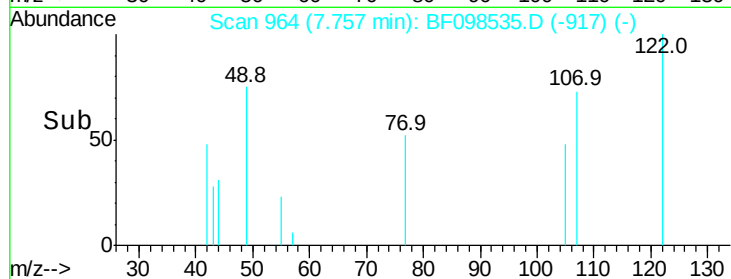
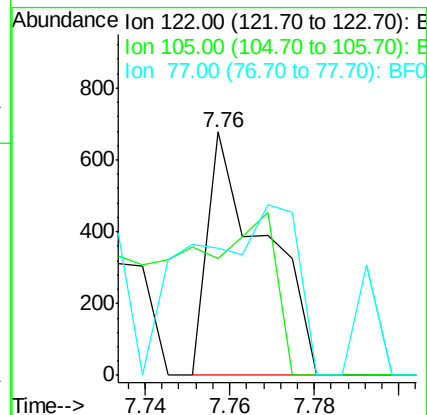
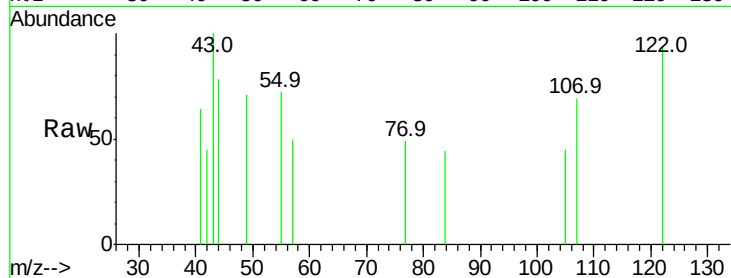
Tot Ion:122 Resp: 629

Ion Ratio Lower Upper

122 100

105 47.9 103.3 143.3#

77 52.2 73.7 113.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

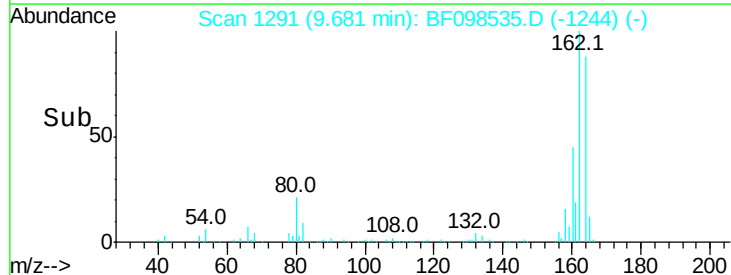
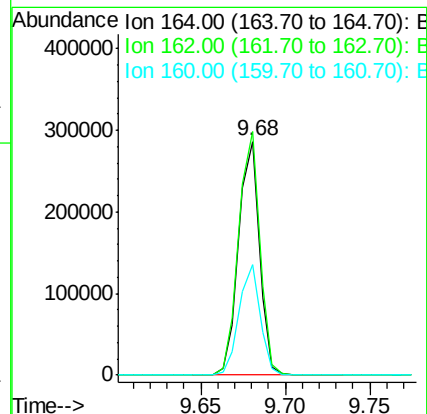
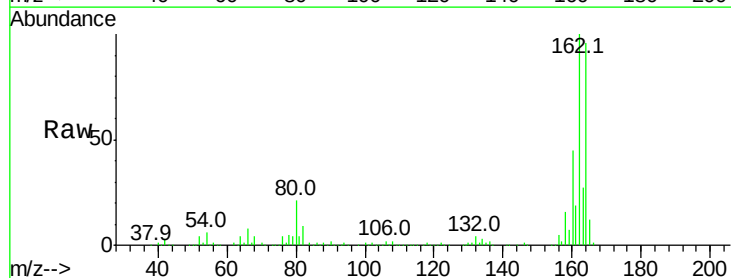
Tgt Ion:164 Resp: 245085

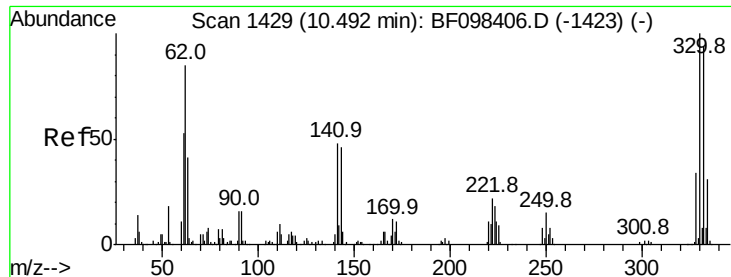
Ion Ratio Lower Upper

164 100

162 104.3 82.6 123.8

160 47.3 36.2 54.2

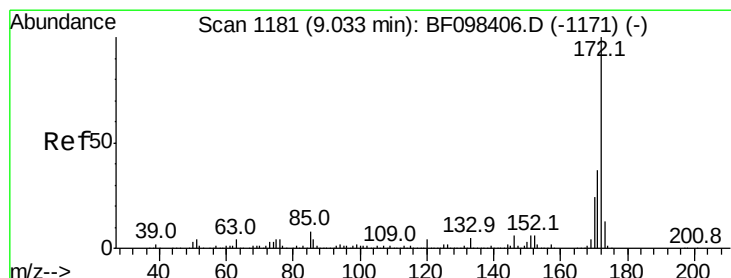
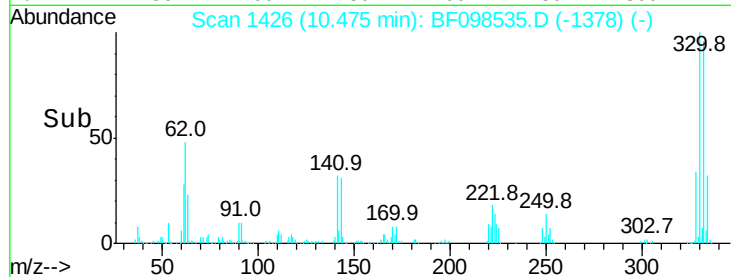
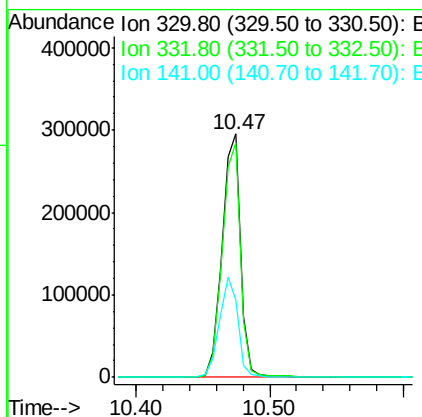
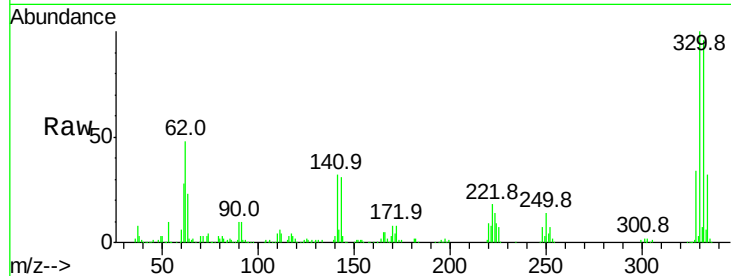




#41
 2,4,6-Tribromophenol
 Concen: 177.299 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098535.D
 Acq: 14 Sep 2017 18:34

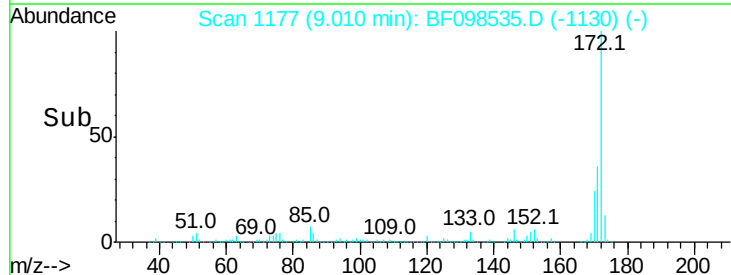
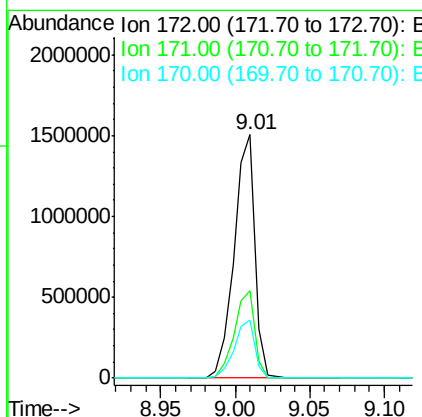
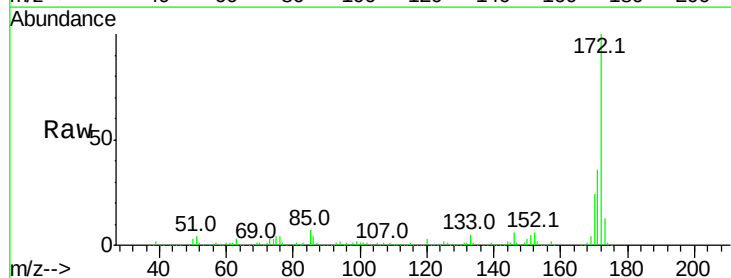
Instrument :
 BNA_F
 ClientSampled :
 G-8-1

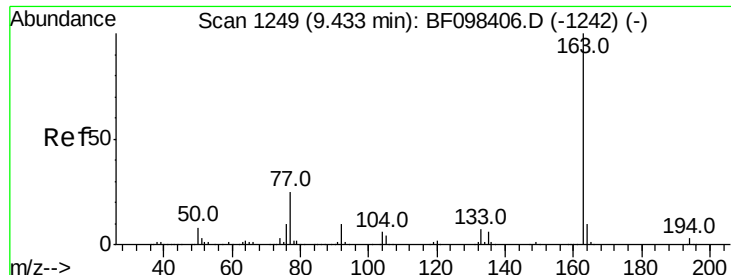
Tot Ion:330 Resp: 290015
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 115.0
 141 42.1 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 101.898 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF098535.D
 Acq: 14 Sep 2017 18:34

Tgt Ion:172 Resp: 1473445
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 23.8 19.8 29.8

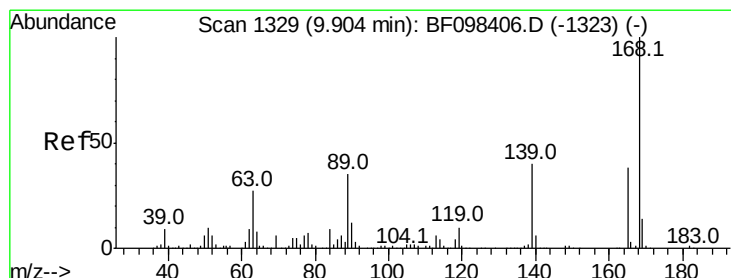
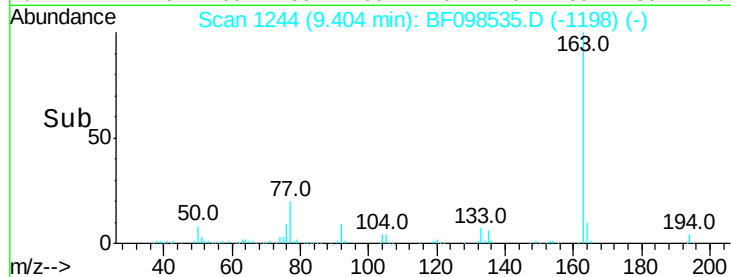
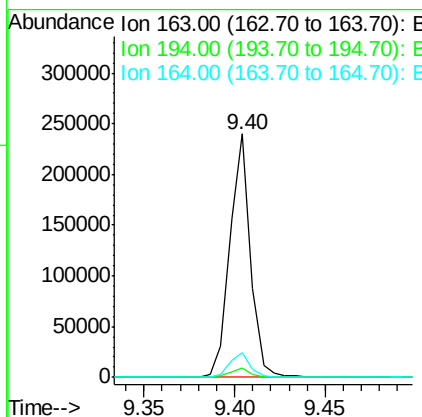
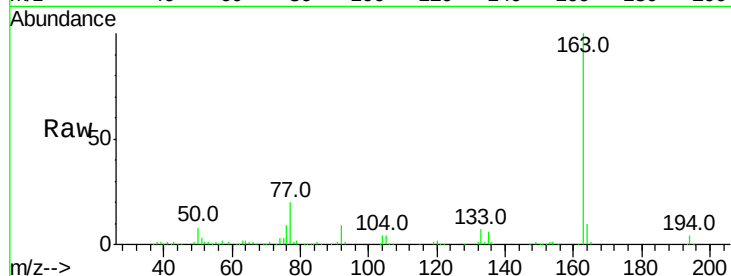




#49
Dimethylphthalate
Concen: 9.999 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

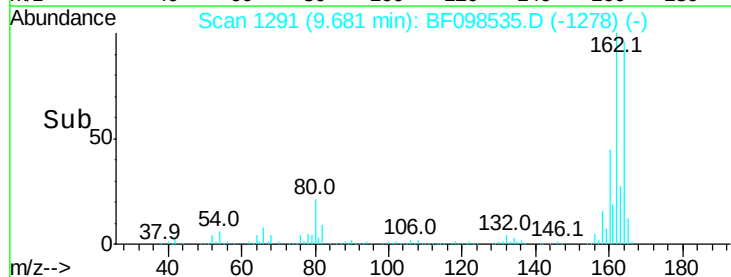
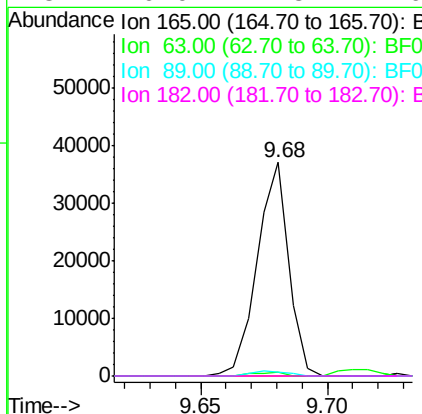
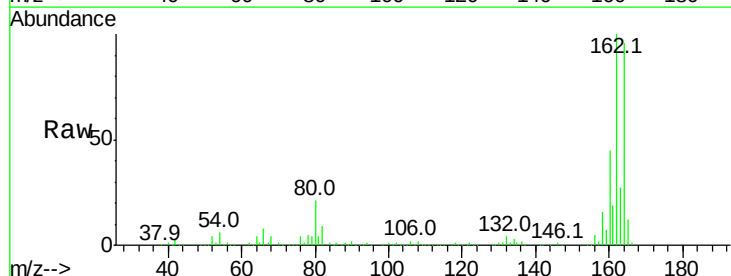
Instrument :
BNA_F
ClientSampleId :
G-8-1

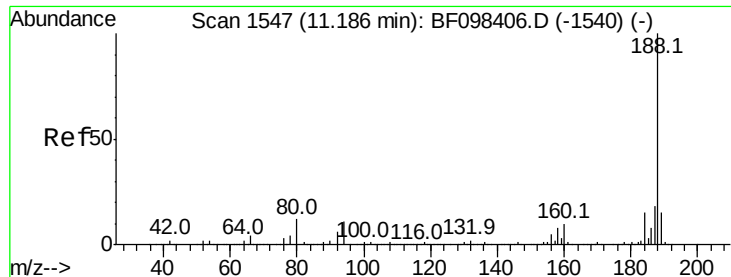
Tot Ion:163 Resp: 189690
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.3 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.768 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.22 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Tgt Ion:165 Resp: 32067
Ion Ratio Lower Upper
165 100
63 1.9 25.4 38.0#
89 1.9 46.4 69.6#
182 0.0 1.8 2.6#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.16 min Scan# 1543

Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Instrument :

BNA_F

ClientSampleId :

G-8-1

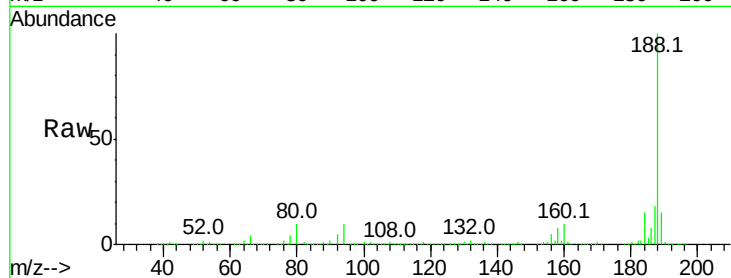
Tot Ion:188 Resp: 476931

Ion Ratio Lower Upper

188 100

94 9.7 9.4 14.2

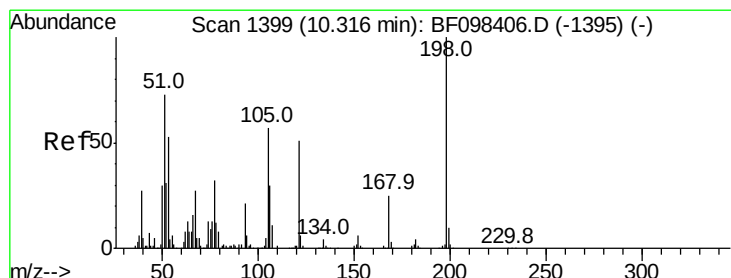
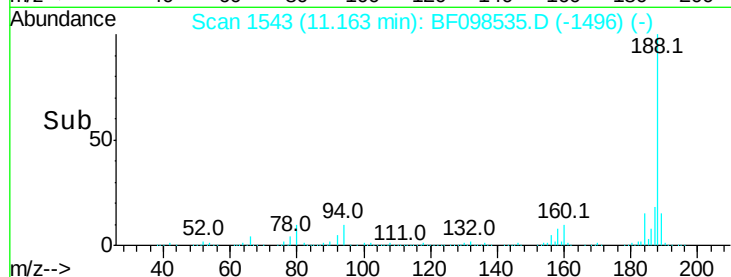
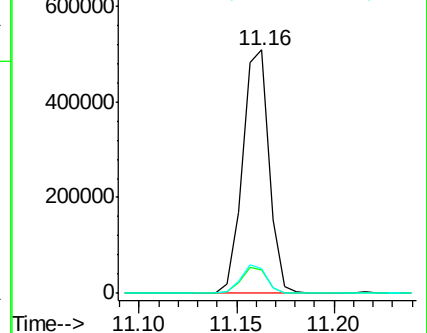
80 10.2 10.2 15.2



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: 5.110 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.16 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

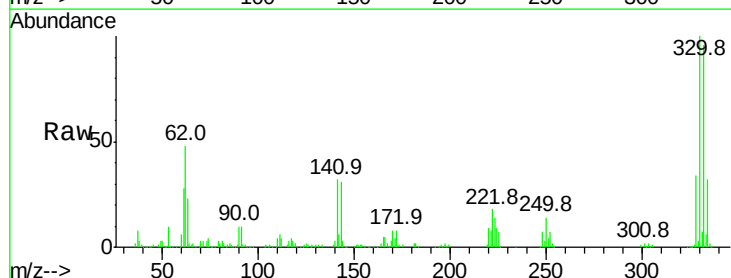
Tgt Ion:198 Resp: 476

Ion Ratio Lower Upper

198 100

51 212.7 53.2 93.2#

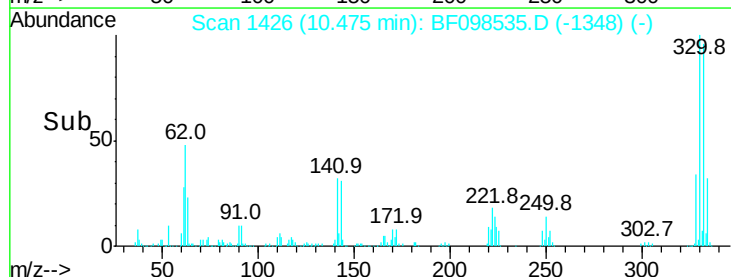
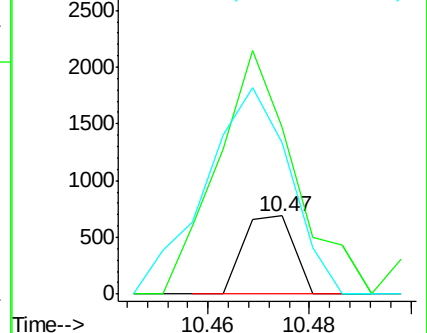
105 192.5 45.8 85.8#

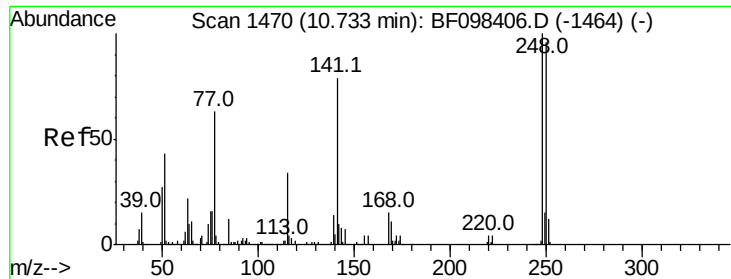


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

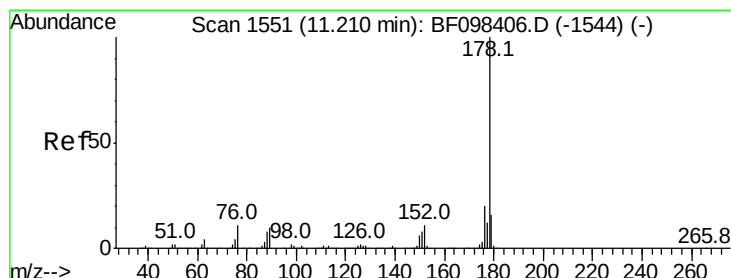
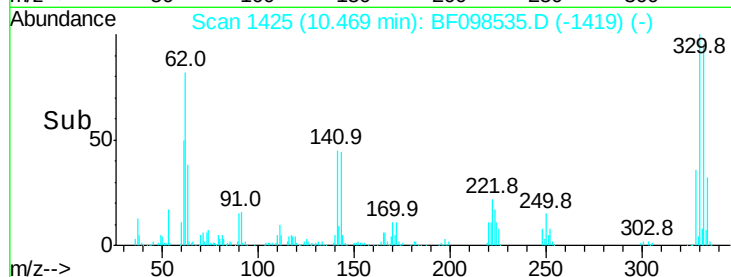
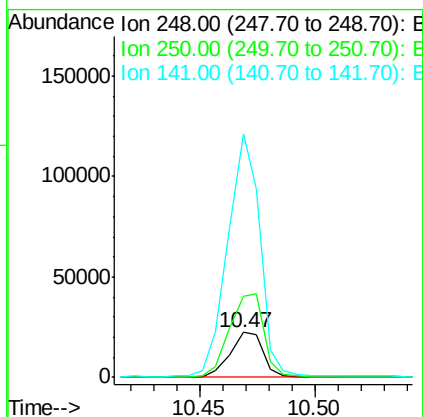
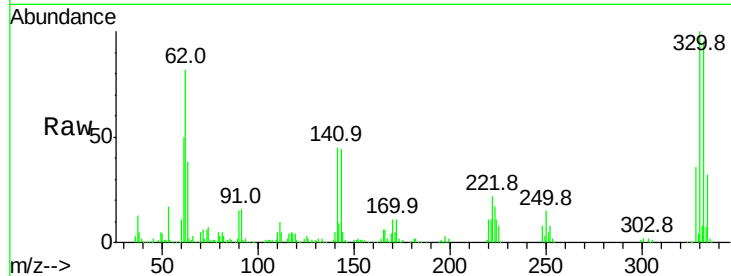




#66
 4-Bromophenyl-phenylether
 Concen: 4.916 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.26 min
 Lab File: BF098535.D
 Acq: 14 Sep 2017 18:34

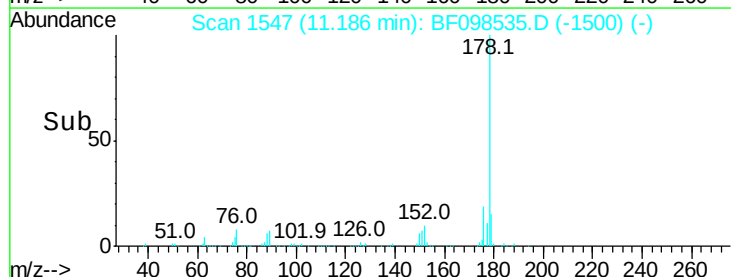
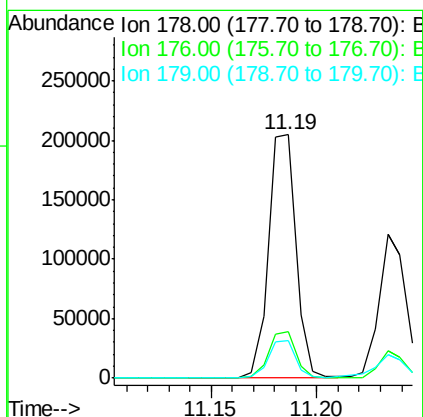
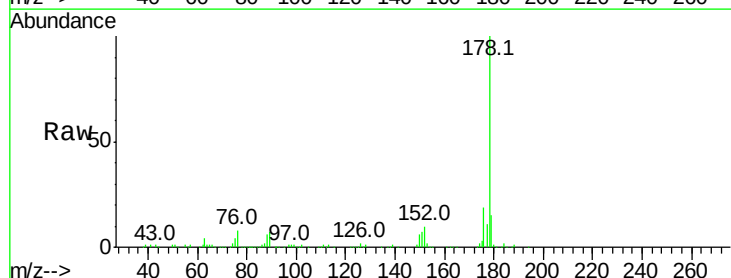
Instrument :
 BNA_F
 ClientSampleId :
 G-8-1

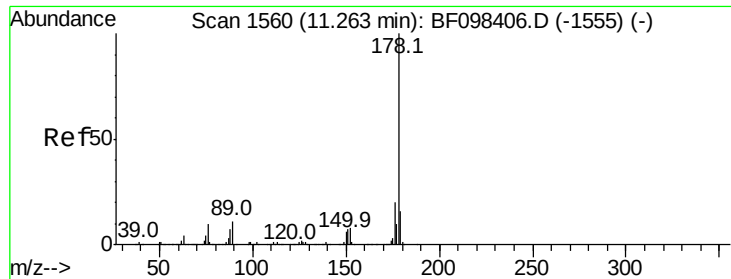
Tot Ion:248 Resp: 22254
 Ion Ratio Lower Upper
 248 100
 250 182.7 76.8 115.2#
 141 546.0 68.6 103.0#



#70
 Phenanthrene
 Concen: 7.347 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF098535.D
 Acq: 14 Sep 2017 18:34

Tgt Ion:178 Resp: 185755
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 15.2 12.6 19.0

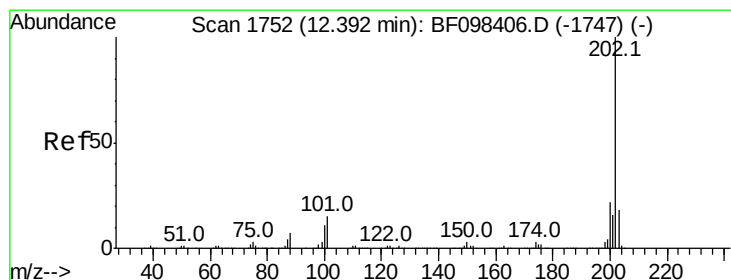
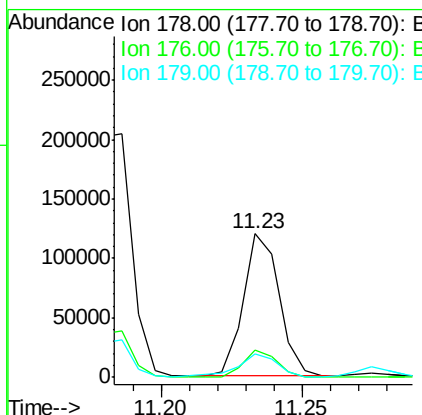
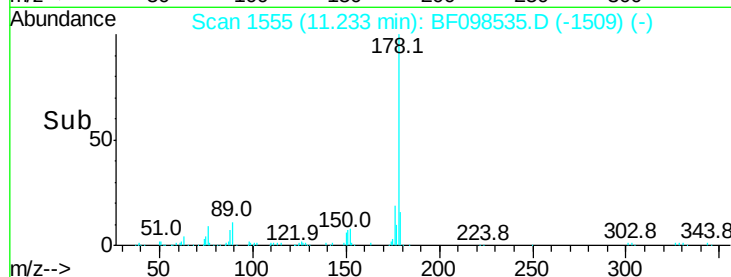
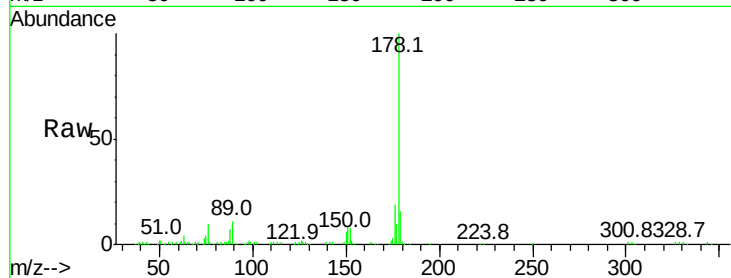




#71
 Anthracene
 Concen: 4.111 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.03 min
 Lab File: BF098535.D
 Acq: 14 Sep 2017 18:34

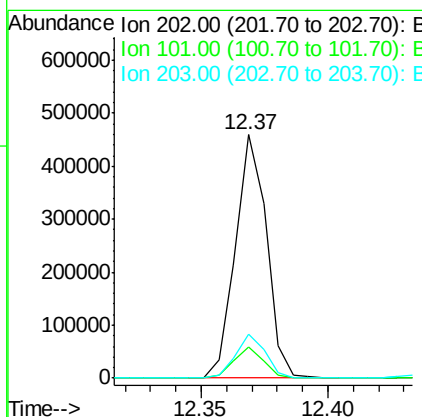
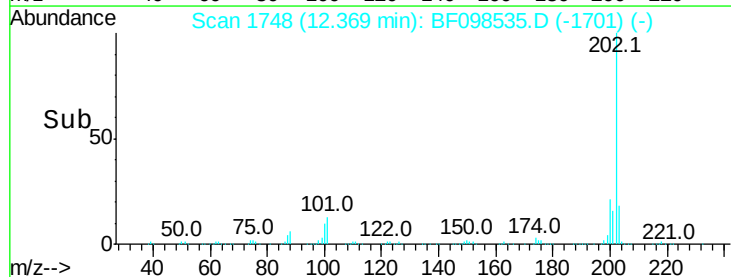
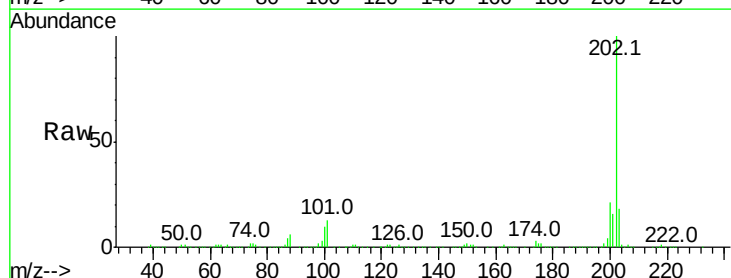
Instrument :
 BNA_F
 ClientSampled :
 G-8-1

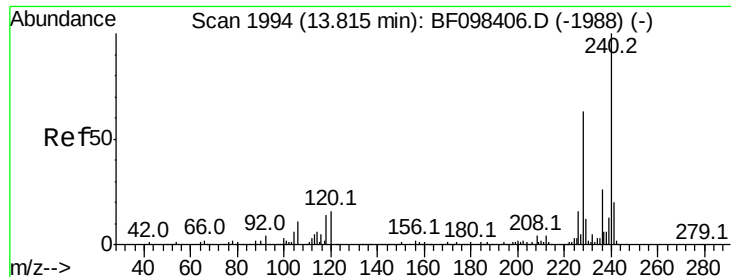
Tot Ion:178 Resp: 106710
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 16.3 12.7 19.1



#74
 Fluoranthene
 Concen: 15.421 ng
 RT: 12.37 min Scan# 1748
 Delta R.T. -0.02 min
 Lab File: BF098535.D
 Acq: 14 Sep 2017 18:34

Tgt Ion:202 Resp: 390315
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 33.2
 203 18.0 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: BF098535.D

Acq: 14 Sep 2017 18:34

Instrument :

BNA_F

ClientSampled :

G-8-1

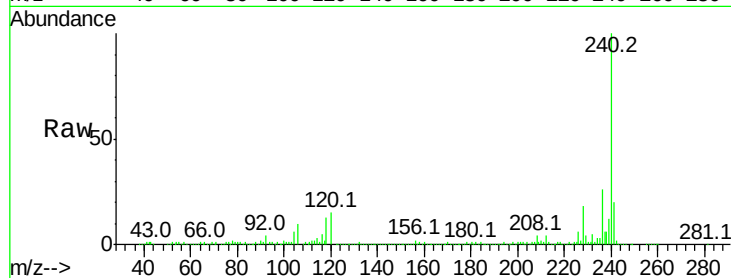
Tot Ion:240 Resp: 342305

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

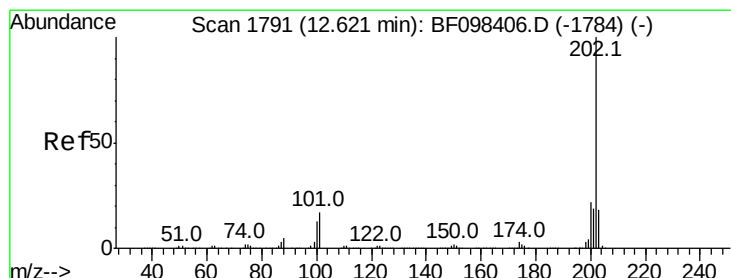
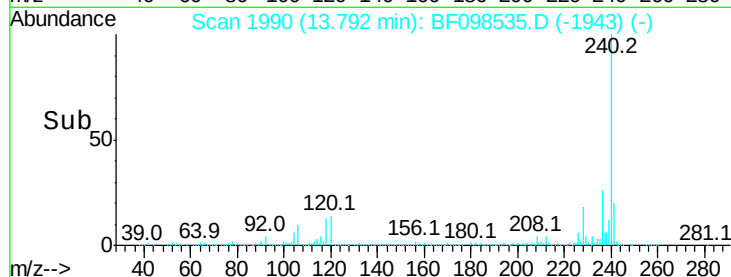
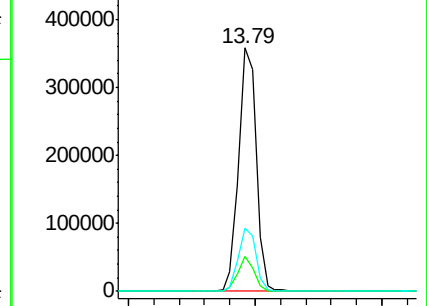
236 26.1 20.5 30.7



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: 13.871 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

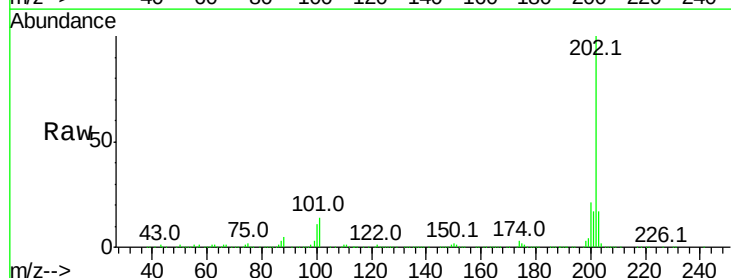
Tgt Ion:202 Resp: 374553

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

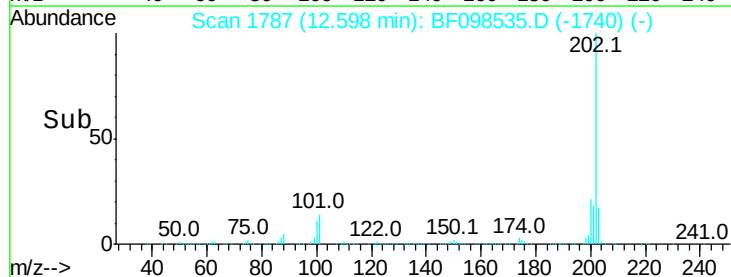
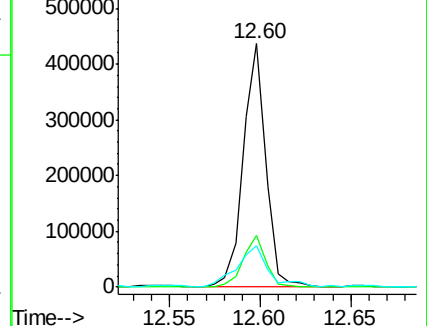
203 17.1 14.4 21.6

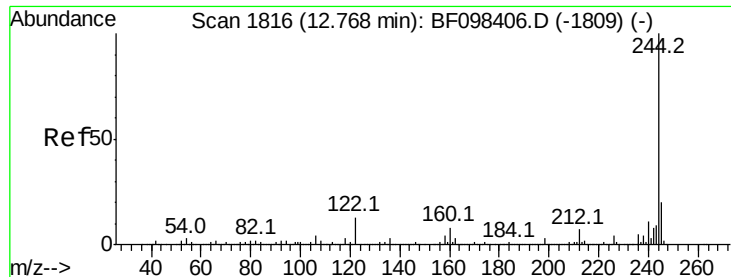


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 87.162 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Instrument :

BNA_F

ClientSampleId :

G-8-1

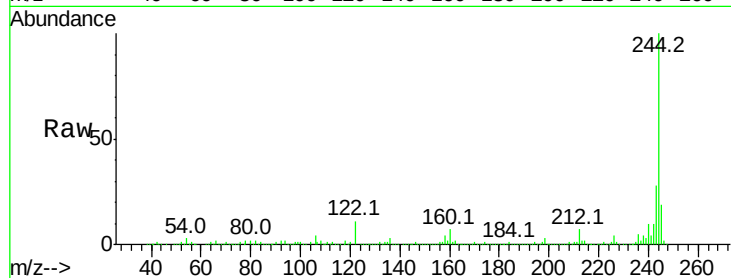
Tot Ion:244 Resp: 1382285

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

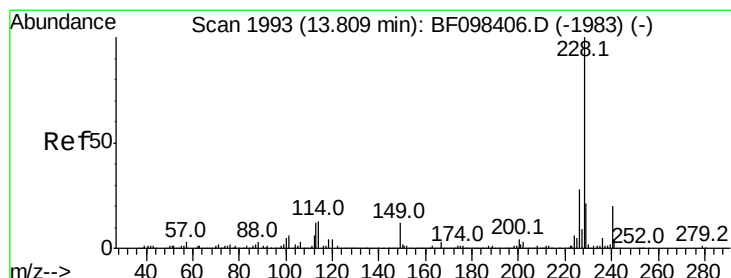
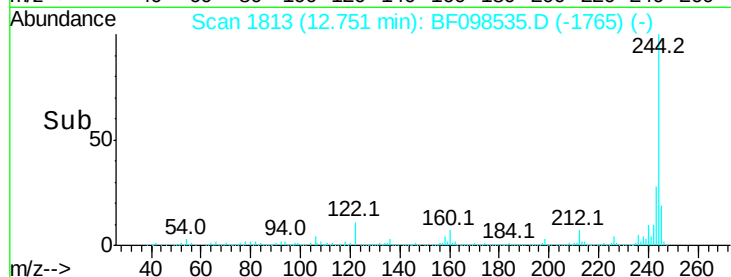
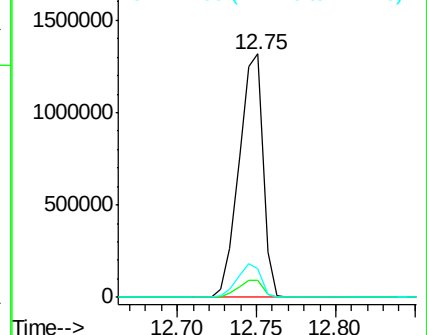
122 11.5 10.3 15.5



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: 8.812 ng

RT: 13.78 min Scan# 1988

Delta R.T. -0.03 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

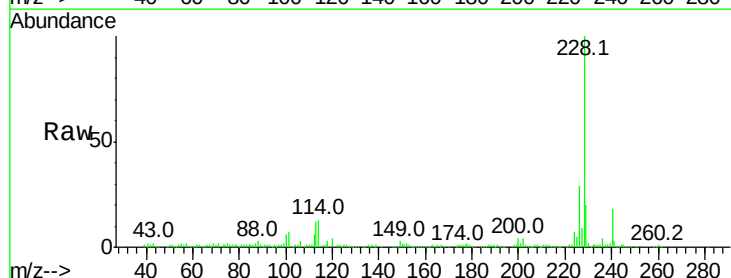
Tgt Ion:228 Resp: 176850

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

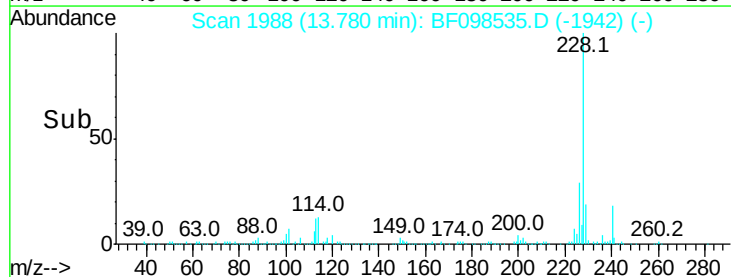
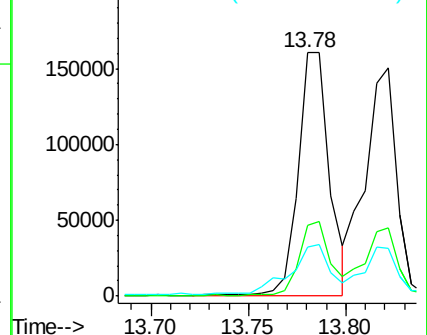
229 20.0 16.3 24.5

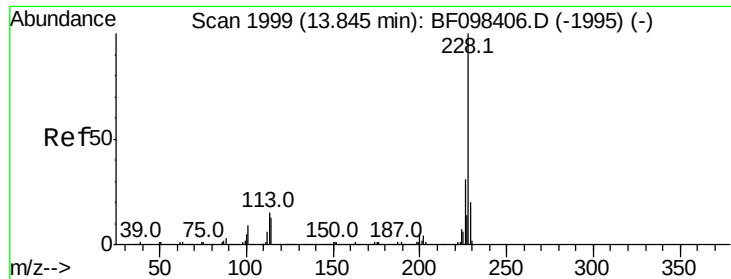


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.347 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Instrument :

BNA_F

ClientSampleId :

G-8-1

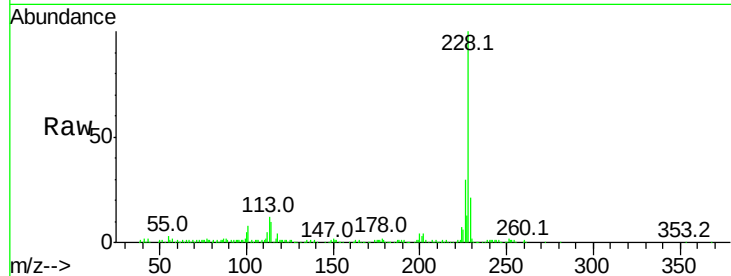
Tot Ion:228 Resp: 169328

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

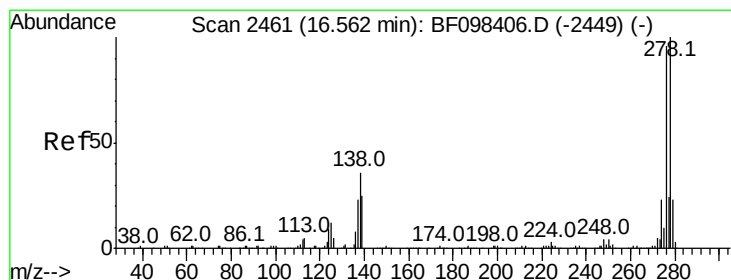
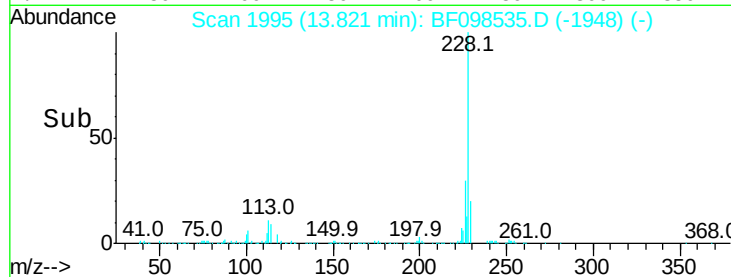
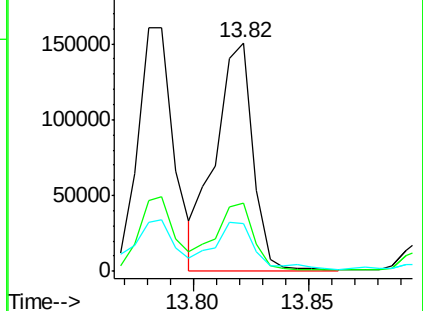
229 20.7 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.463 ng

RT: 16.52 min Scan# 2454

Delta R.T. -0.04 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

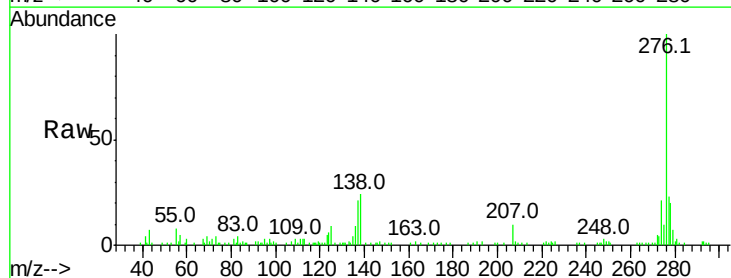
Tgt Ion:276 Resp: 77747

Ion Ratio Lower Upper

276 100

138 27.3 27.8 41.6#

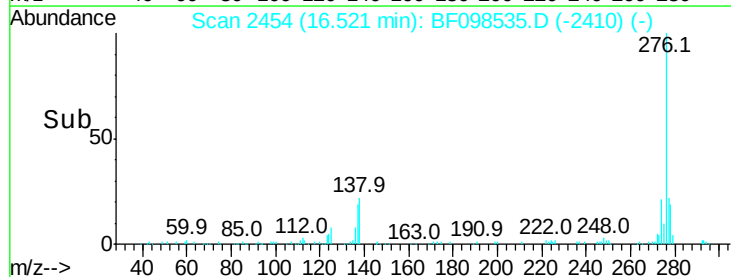
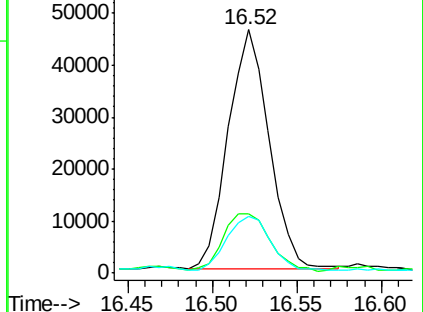
277 25.1 20.2 30.4

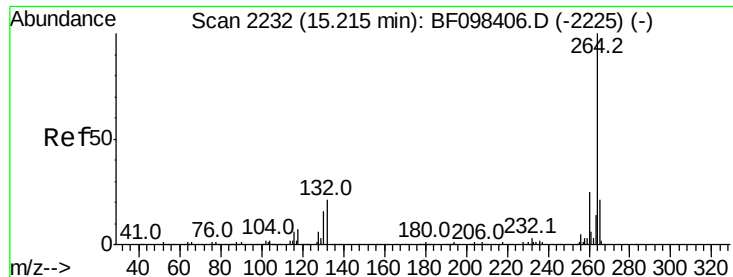


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

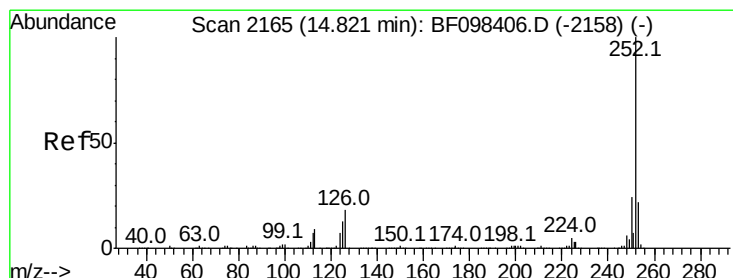
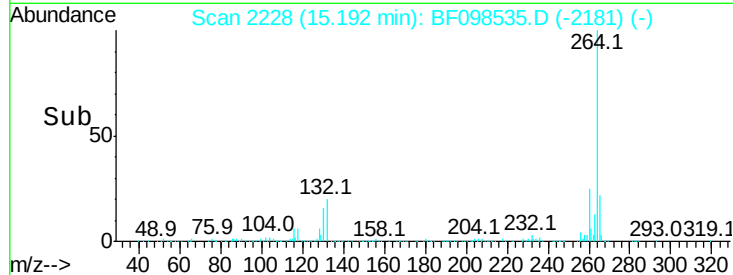
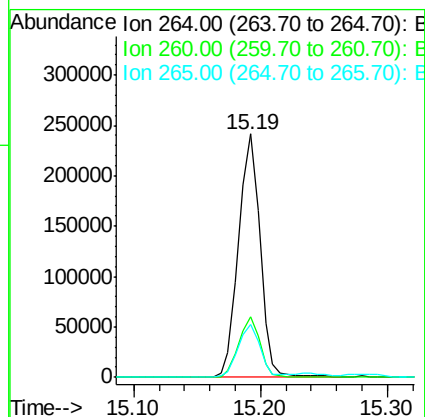
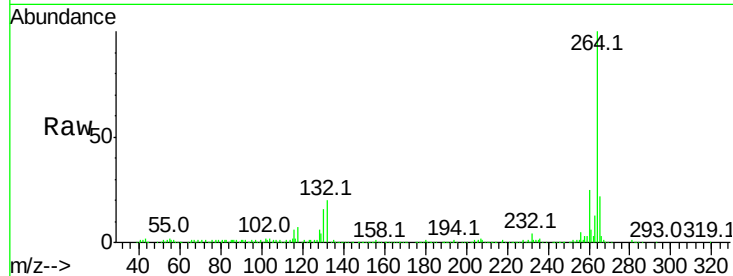




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

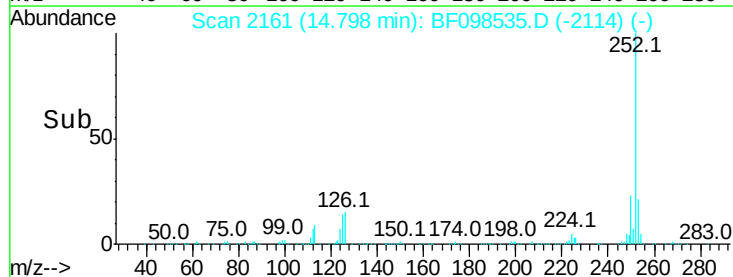
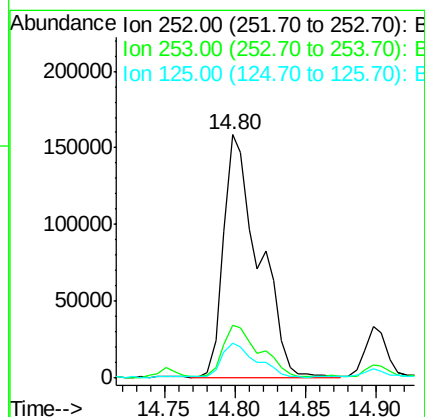
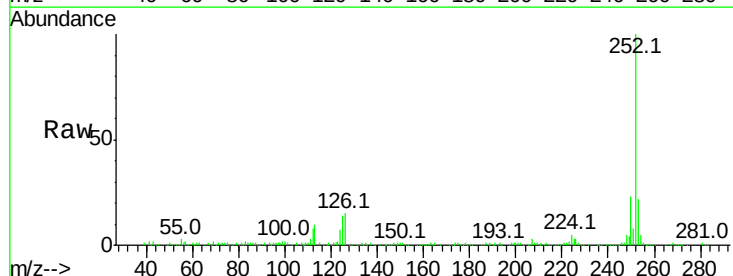
Instrument :
BNA_F
ClientSampleId :
G-8-1

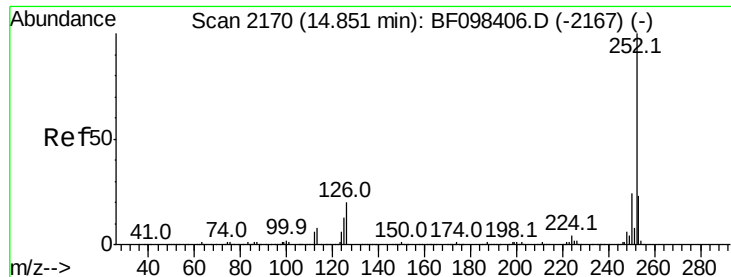
Tot Ion:264 Resp: 284405
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 22.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 15.300 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Tgt Ion:252 Resp: 273604
Ion Ratio Lower Upper
252 100
253 21.8 18.1 27.1
125 14.3 9.8 14.8





#88

Benzo(k)fluoranthene

Concen: 16.389 ng

RT: 14.80 min Scan# 2161

Delta R.T. -0.05 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Instrument :

BNA_F

ClientSampleId :

G-8-1

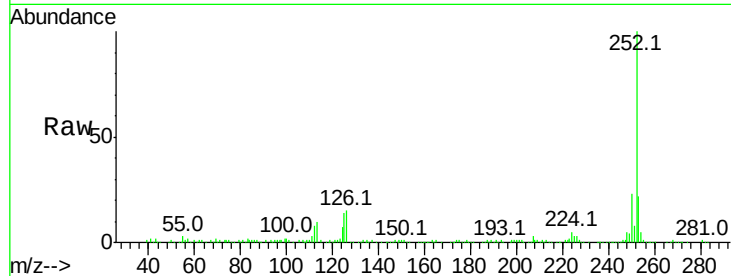
Tot Ion:252 Resp: 273604

Ion Ratio Lower Upper

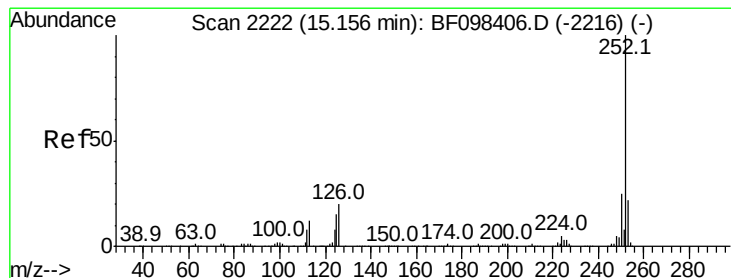
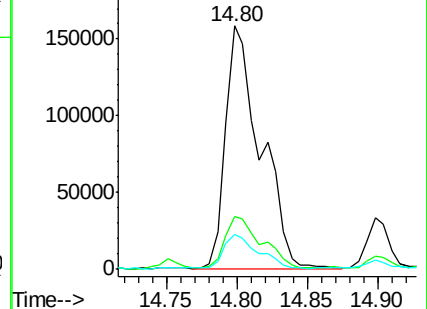
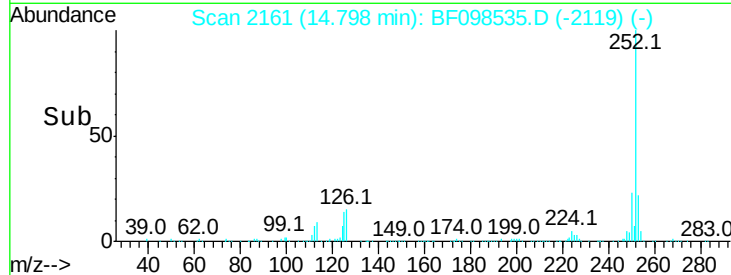
252 100

253 21.8 18.4 27.6

125 14.3 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: 8.137 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

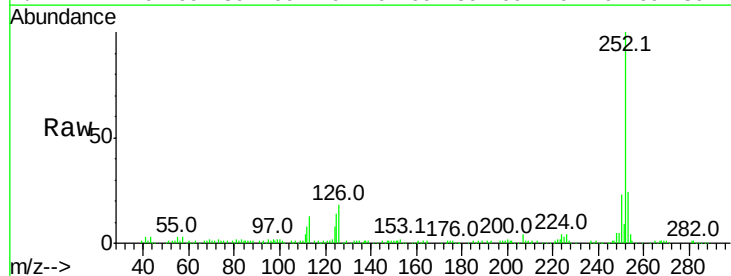
Tgt Ion:252 Resp: 129635

Ion Ratio Lower Upper

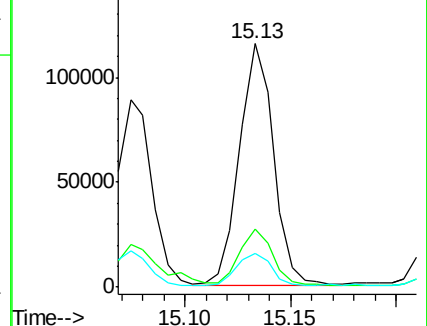
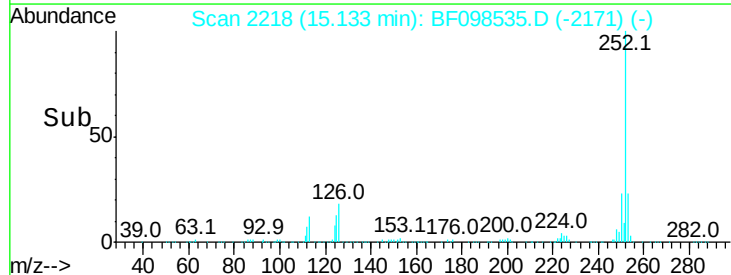
252 100

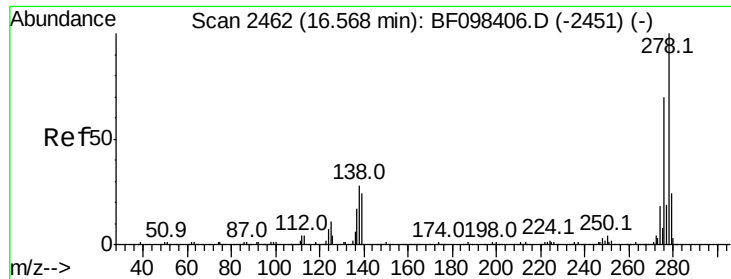
253 23.7 17.5 26.3

125 13.7 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.051 ng

RT: 16.53 min Scan# 2455

Delta R.T. -0.04 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Instrument :

BNA_F

ClientSampleId :

G-8-1

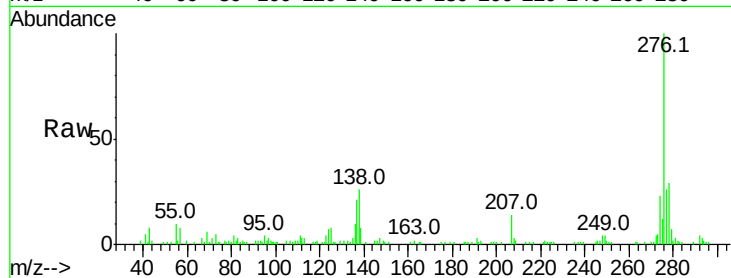
Tot Ion:278 Resp: 23766

Ion Ratio Lower Upper

278 100

139 28.8 16.6 24.8#

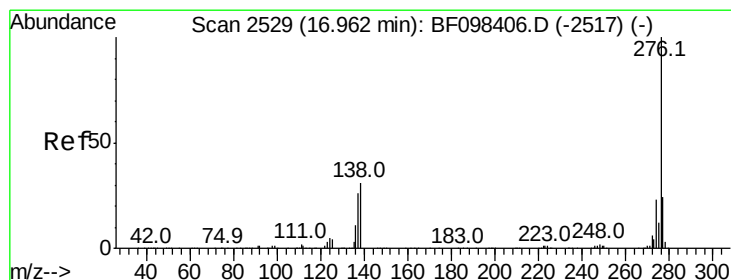
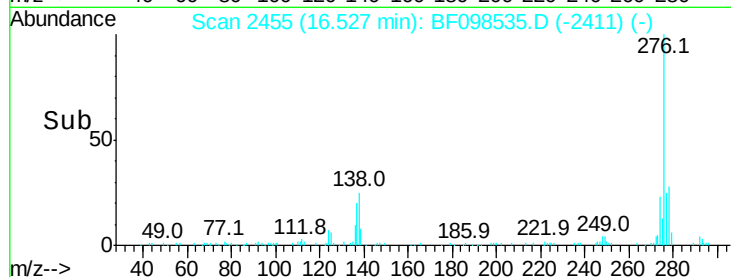
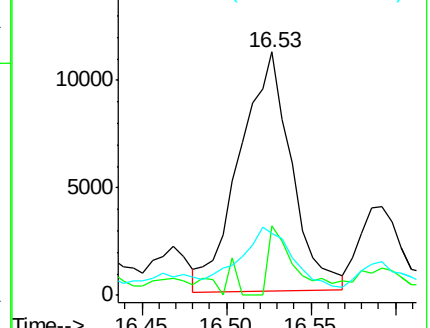
279 25.2 19.3 28.9



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: 6.608 ng

RT: 16.92 min Scan# 2522

Delta R.T. -0.04 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

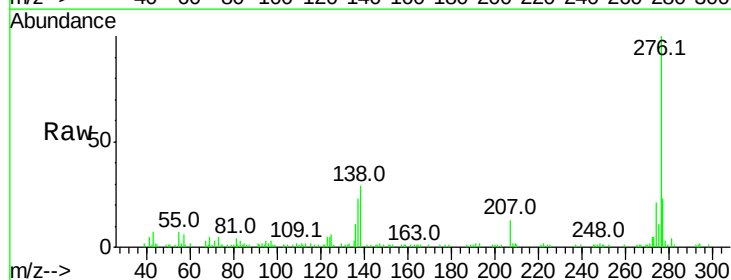
Tgt Ion:276 Resp: 77024

Ion Ratio Lower Upper

276 100

277 23.4 18.6 28.0

138 29.4 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

