

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098503.D
 Acq On : 13 Sep 2017 21:39
 Operator : SJ/JU
 Sample : I5182-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 05:12:14 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	6.66	152	175045	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	686965	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	275360	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	412837	20.00	ng	-0.02
75) Chrysene-d12	13.81	240	329452	20.00	ng	0.00
86) Perylene-d12	15.22	264	238933	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1162575	98.20	ng	-0.01
7) Phenol-d6	6.31	99	1418738	94.38	ng	-0.01
23) Nitrobenzene-d5	7.23	82	884884	71.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	195726	106.50	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	1406686	86.59	ng	-0.02
78) Terphenyl-d14	12.76	244	910486	59.65	ng	-0.01

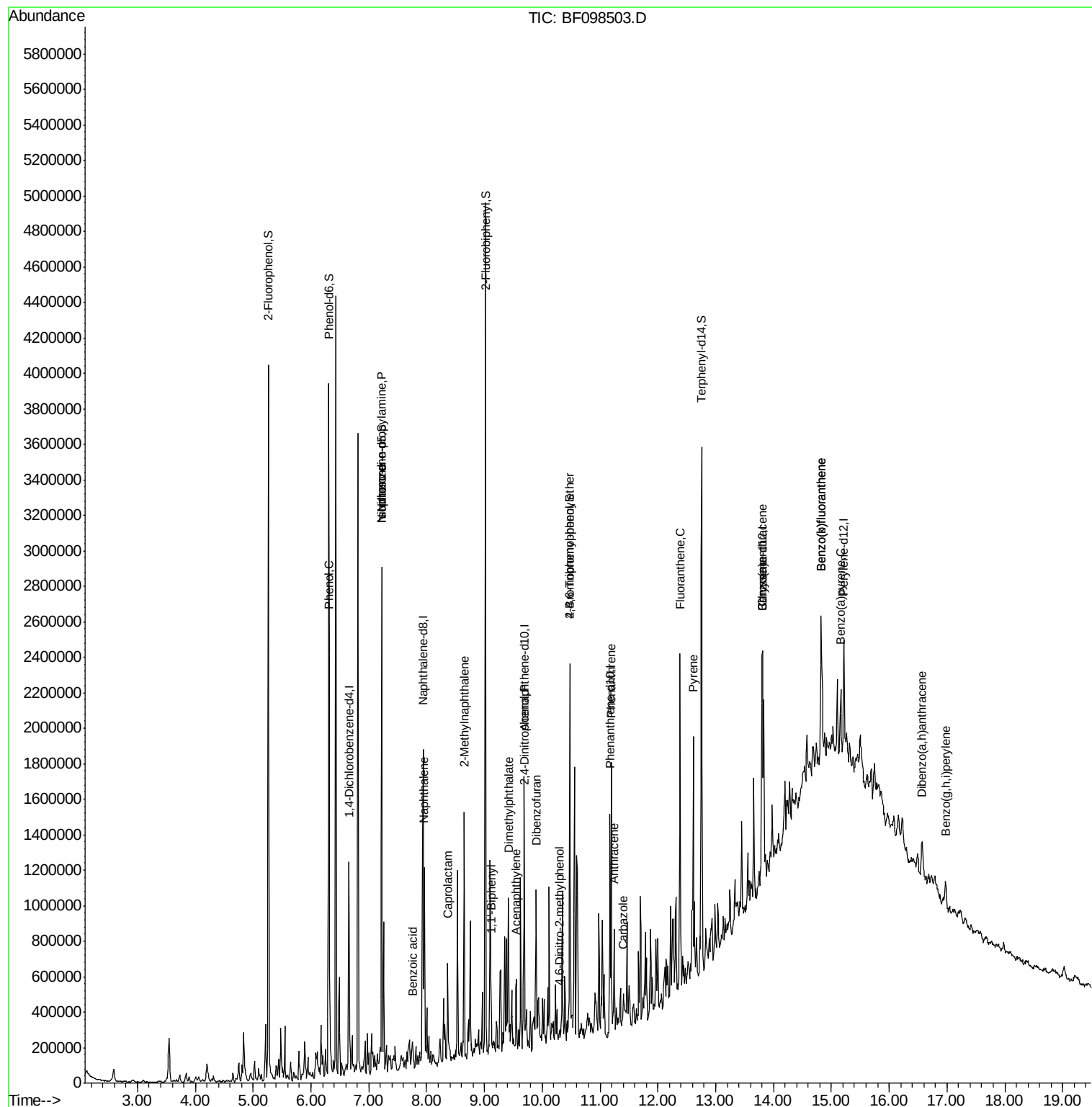
Target Compounds				Qvalue		
10) Phenol	6.32	94	60028	3.438	ng	98
19) n-Nitroso-di-n-propylamine	7.23	70	119067	12.593	ng	# 77
25) Isophorone	7.23	82	875174	35.103	ng	# 67
31) Naphthalene	7.96	128	467032	13.752	ng	98
32) Benzoic acid	7.75	122	3691	8.394	ng	# 1
35) Caprolactam	8.36	113	11060	3.570	ng	# 5
37) 2-Methylnaphthalene	8.65	142	341655	16.609	ng	100
45) 1,1'-Biphenyl	9.12	154	104645	4.246	ng	97
48) Acenaphthylene	9.55	152	107838	4.120	ng	# 95
49) Dimethylphthalate	9.41	163	188377	8.838	ng	99
53) 2,4-Dinitrophenol	9.70	184	227	8.623	ng	# 1
54) Dibenzofuran	9.89	168	209535	9.561	ng	# 97
64) 4,6-Dinitro-2-methylphenol	10.30	198	573	5.167	ng	# 1
66) 4-Bromophenyl-phenylether	10.48	248	15071	3.846	ng	# 1
70) Phenanthrene	11.19	178	583697	26.670	ng	99
71) Anthracene	11.25	178	206697	9.199	ng	99
72) Carbazole	11.40	167	48120	2.298	ng	94
74) Fluoranthene	12.38	202	700417	31.969	ng	99
77) Pyrene	12.61	202	524923	20.198	ng	99
80) Benzo(a)anthracene	13.80	228	307189	15.904	ng	94
82) Chrysene	13.80	228	307189	15.734	ng	96
87) Benzo(b)fluoranthene	14.82	252	559979	37.274	ng	# 96
88) Benzo(k)fluoranthene	14.82	252	559979	39.926	ng	99
89) Benzo(a)pyrene	15.16	252	158306	11.828	ng	# 90
90) Dibenzo(a,h)anthracene	16.57	278	36947	3.795	ng	# 69
91) Benzo(g,h,i)perylene	16.97	276	107477	10.975	ng	97

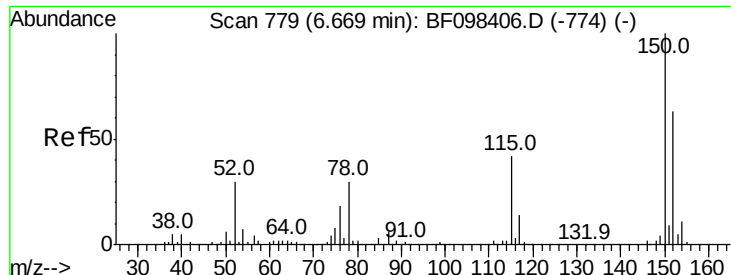
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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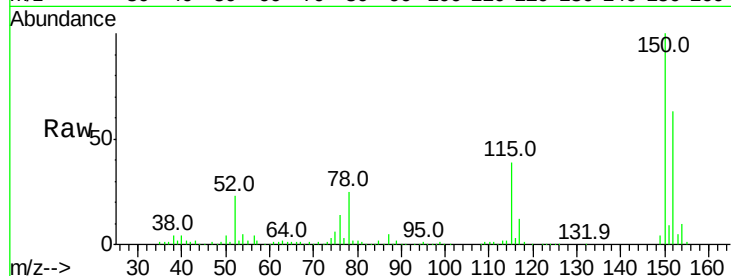


#1

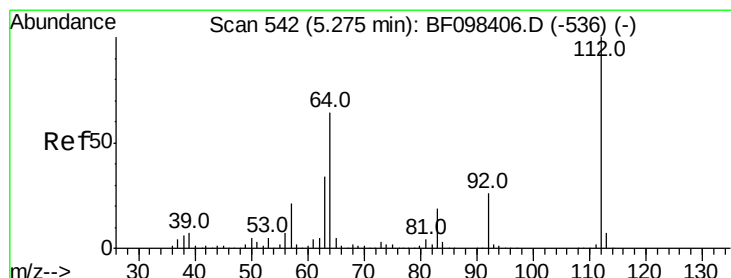
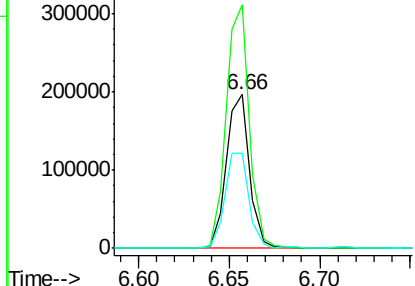
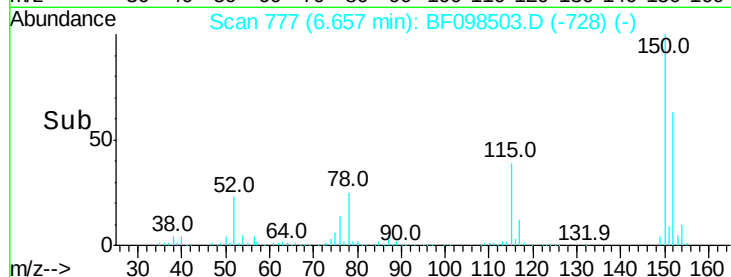
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 175045
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.2
115 61.9 52.2 78.2



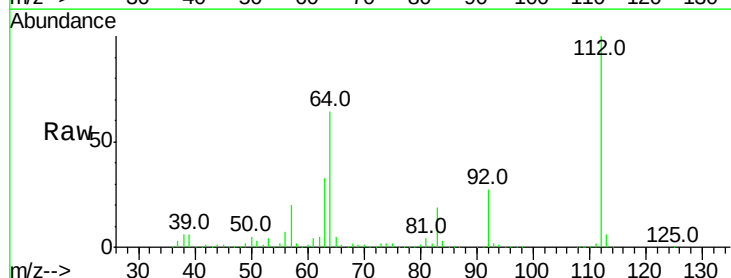
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



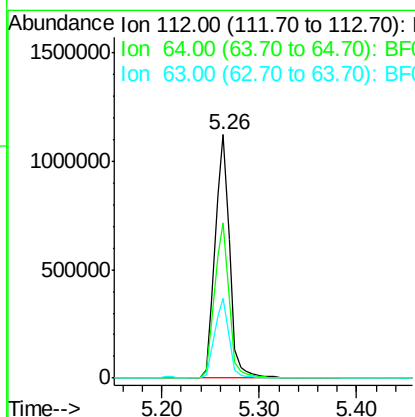
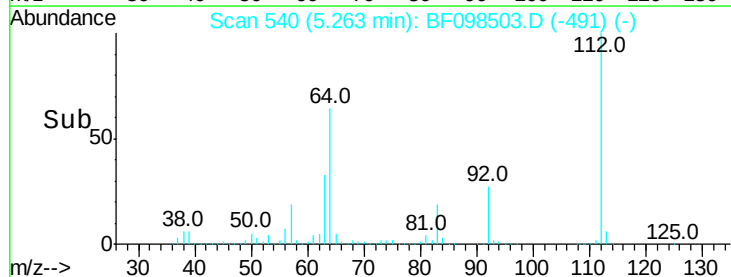
#5

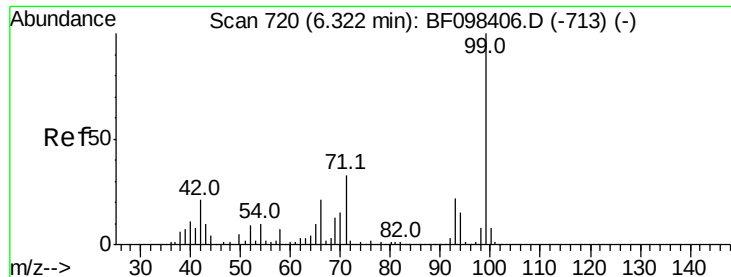
2-Fluorophenol
Concen: 98.197 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Tgt Ion:112 Resp: 1162575
Ion Ratio Lower Upper
112 100
64 63.7 46.0 69.0
63 32.9 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: 94.383 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

ClientSampleId :

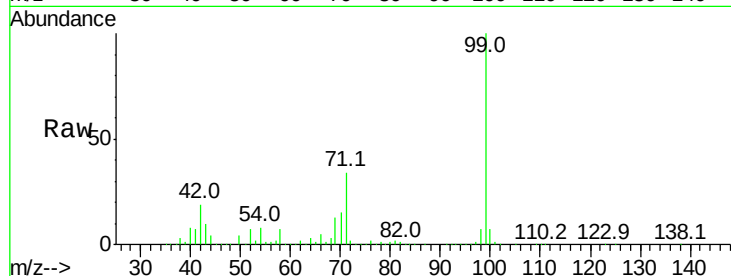
Tot Ion: 99 Resp: 1418738

Ion Ratio Lower Upper

99 100

42 19.1 13.5 20.3

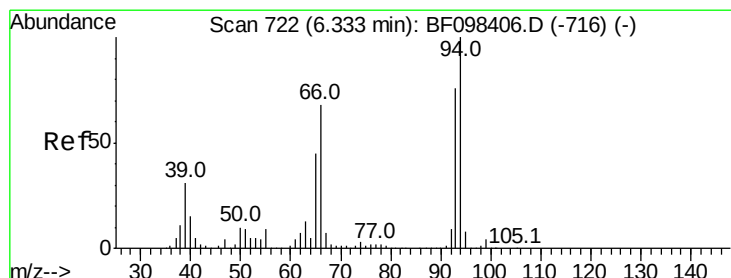
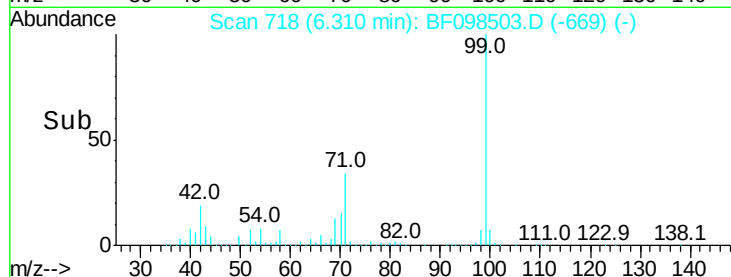
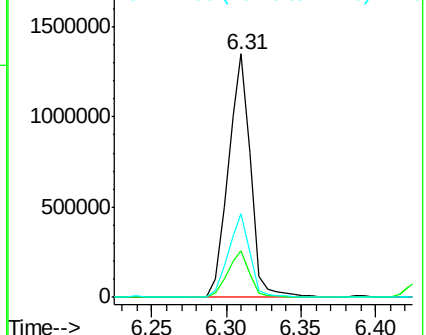
71 34.3 24.5 36.7



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: 3.438 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

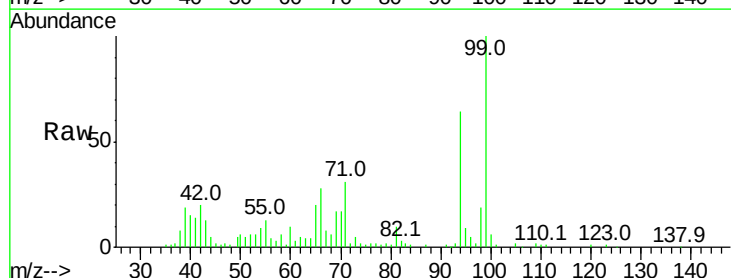
Tgt Ion: 94 Resp: 60028

Ion Ratio Lower Upper

94 100

65 31.9 9.9 49.9

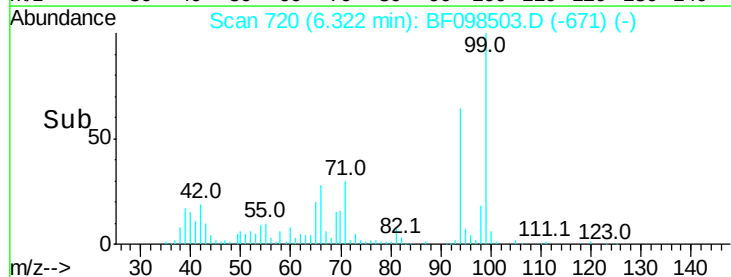
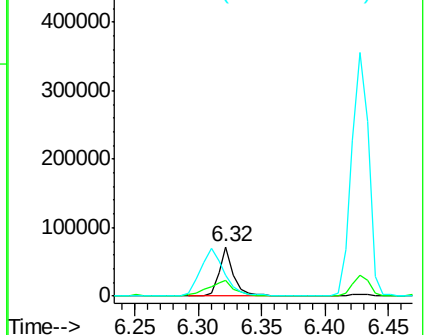
66 43.5 23.1 63.1

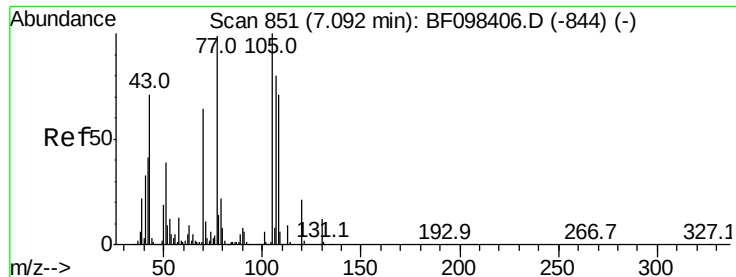


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 12.593 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 119067

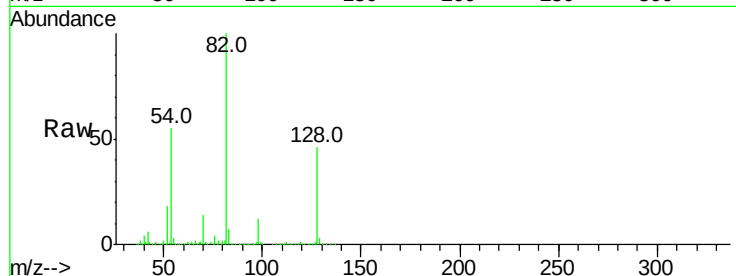
Ion Ratio Lower Upper

70 100

42 46.0 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

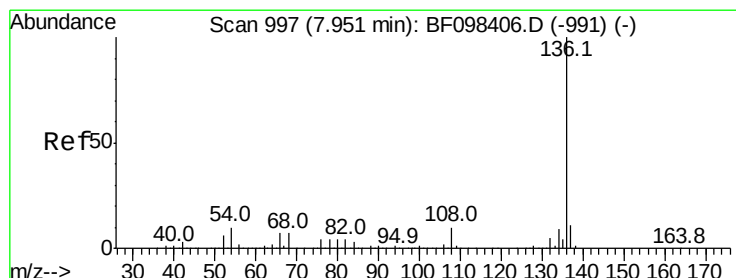
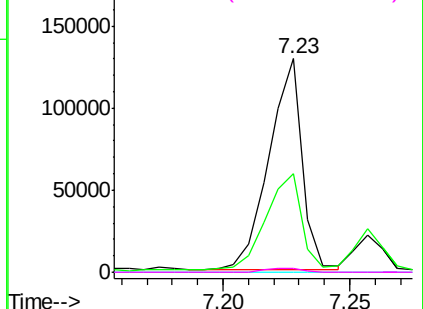
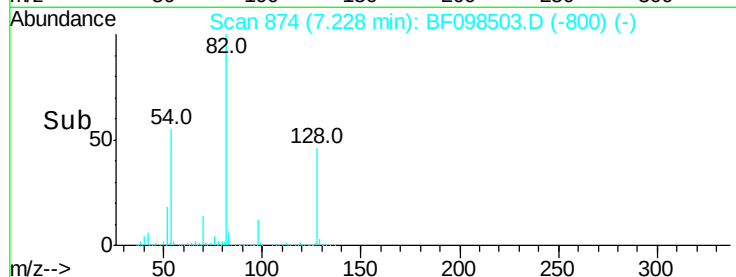


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Tgt Ion: 136 Resp: 686965

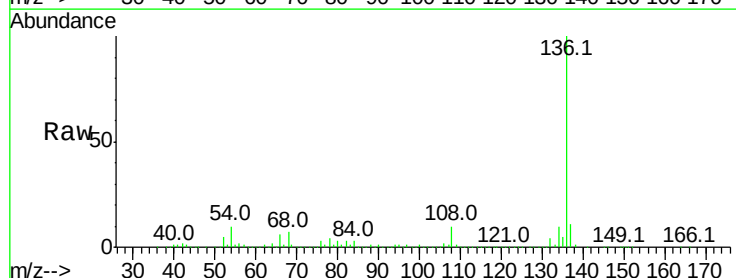
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 9.6 4.9 7.3#

68 6.8 4.1 6.1#

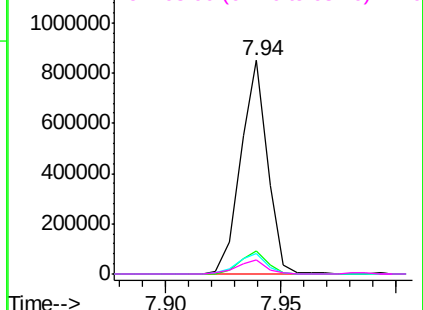
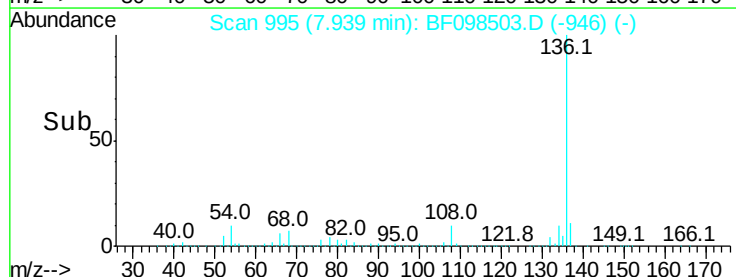


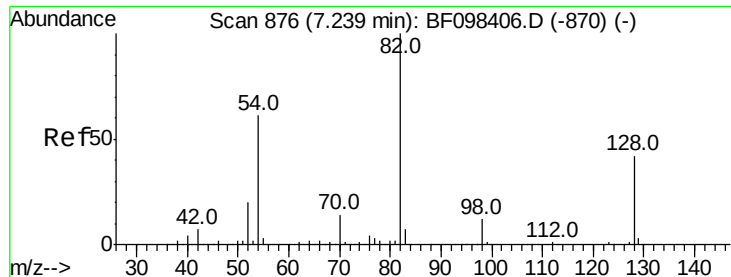
Abundance Ion 136.00 (135.70 to 136.70): BF0

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

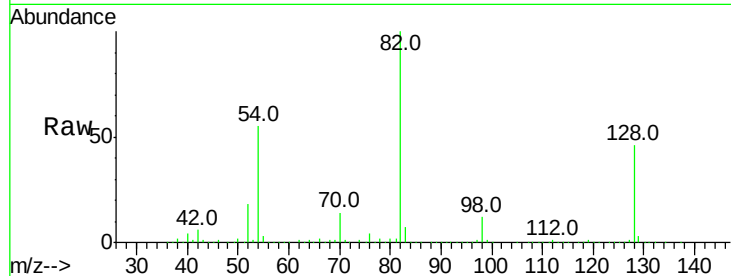




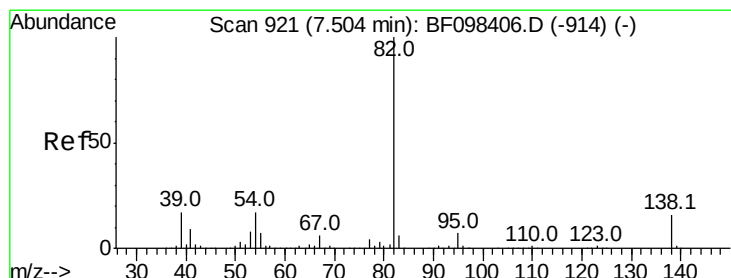
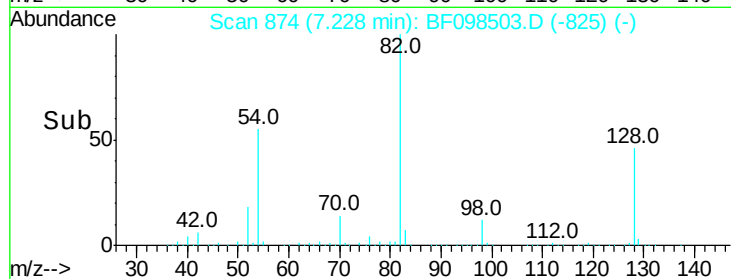
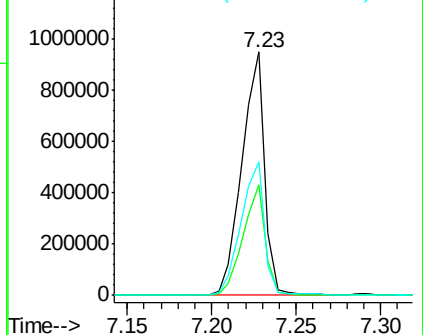
#23
 Nitrobenzene-d5
 Concen: 71.811 ng
 RT: 7.23 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: BF098503.D
 Acq: 13 Sep 2017 21:39

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 884884
 Ion Ratio Lower Upper
 82 100
 128 45.6 34.0 51.0
 54 54.6 42.2 63.2

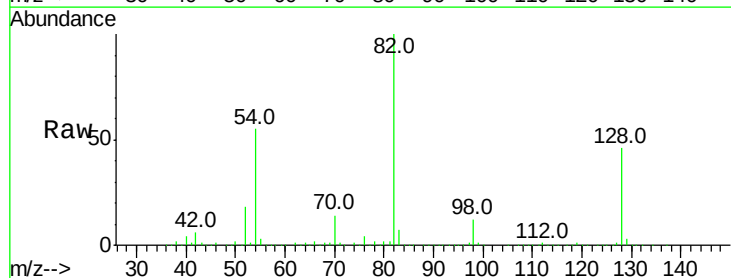


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

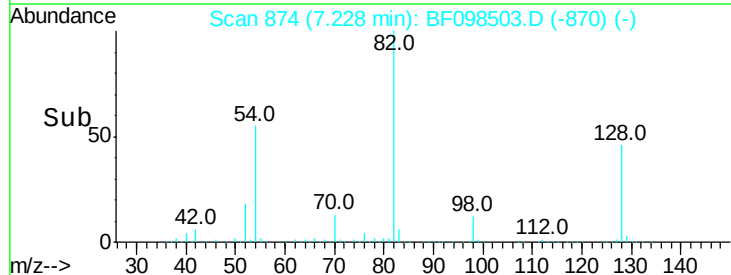
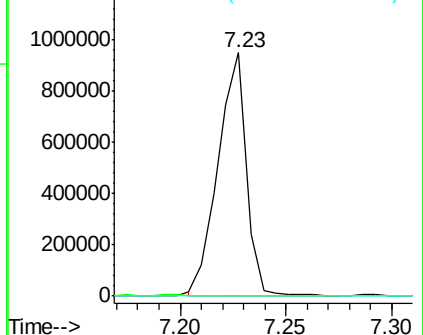


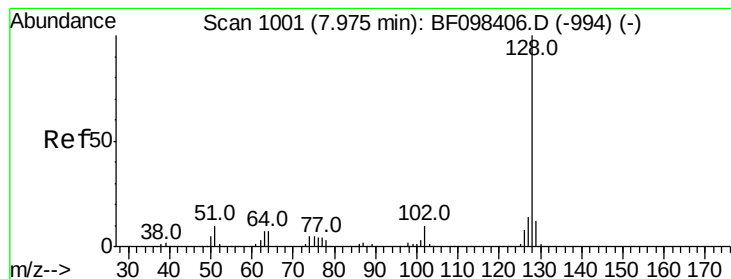
#25
 Isophorone
 Concen: 35.103 ng
 RT: 7.23 min Scan# 874
 Delta R.T. -0.28 min
 Lab File: BF098503.D
 Acq: 13 Sep 2017 21:39

Tgt Ion: 82 Resp: 875174
 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: 13.752 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

ClientSampleId :

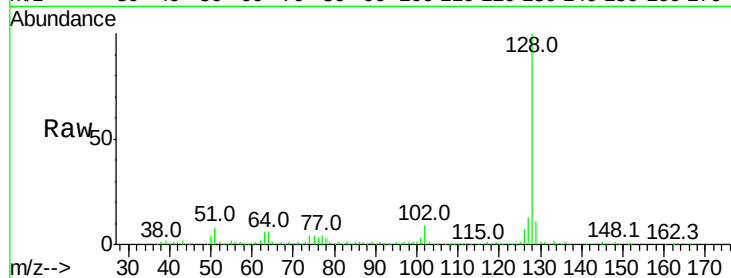
Tot Ion:128 Resp: 467032

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

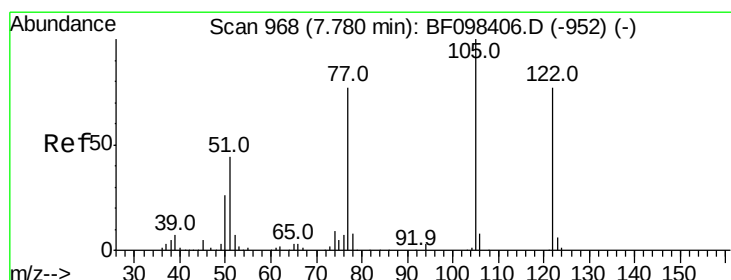
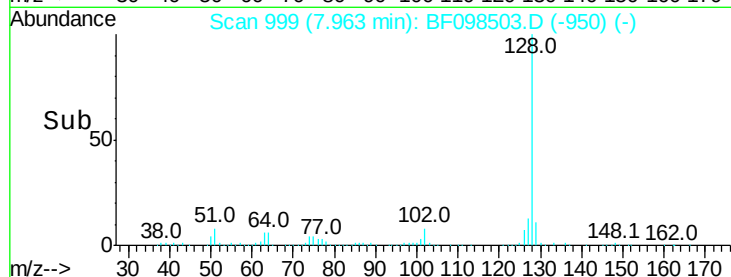
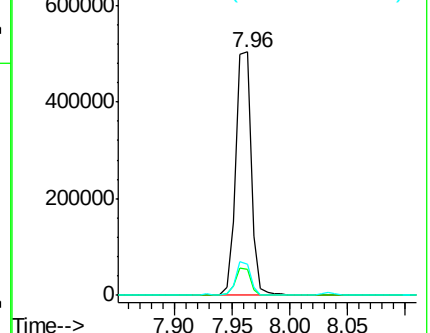
127 12.9 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.394 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.03 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

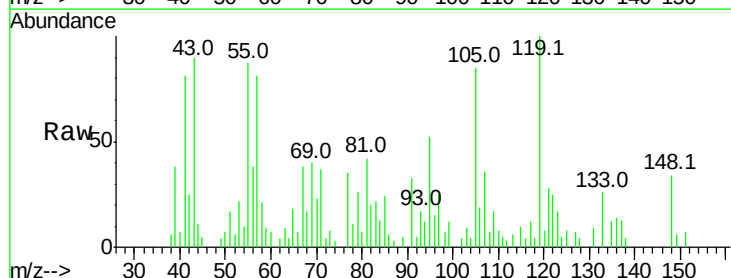
Tgt Ion:122 Resp: 3691

Ion Ratio Lower Upper

122 100

105 343.2 103.3 143.3#

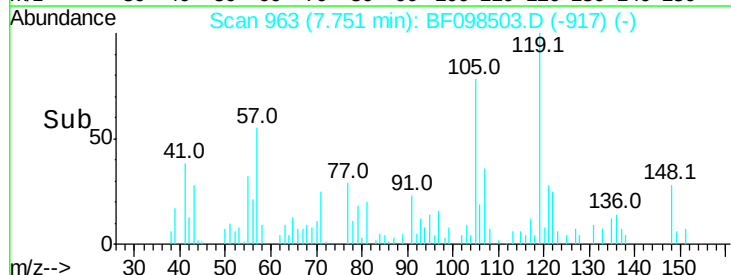
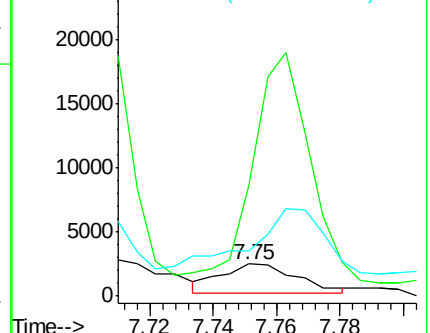
77 142.1 73.7 113.7#

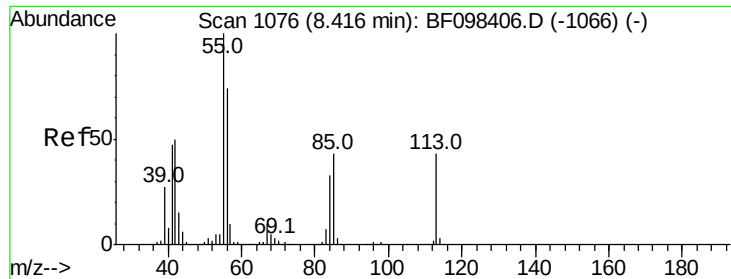


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#35

Caprolactam

Concen: 3.570 ng

RT: 8.36 min Scan# 1067

Delta R.T. -0.05 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

ClientSampleId :

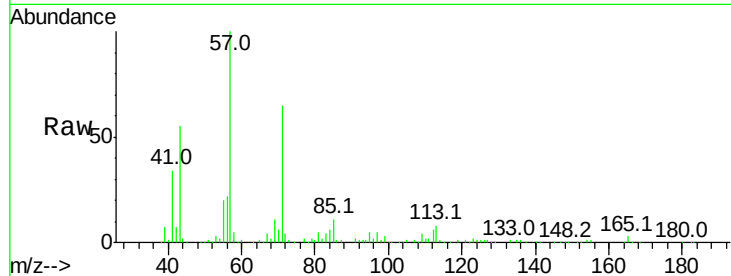
Tot Ion:113 Resp: 11060

Ion Ratio Lower Upper

113 100

55 263.0 150.2 190.2#

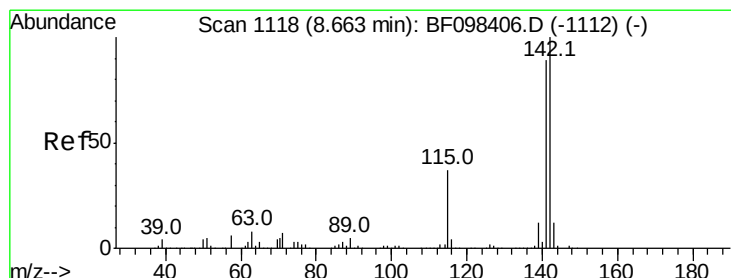
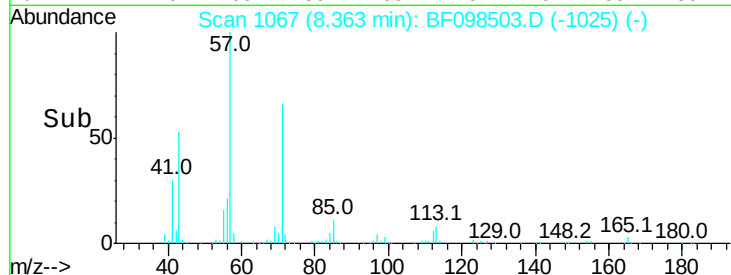
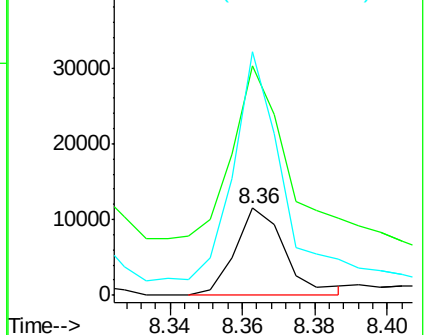
56 279.7 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 16.609 ng

RT: 8.65 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

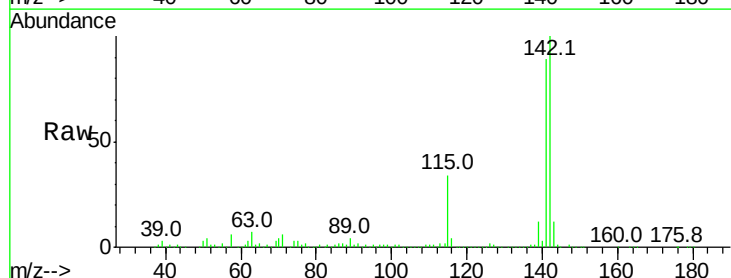
Tgt Ion:142 Resp: 341655

Ion Ratio Lower Upper

142 100

141 88.9 71.3 106.9

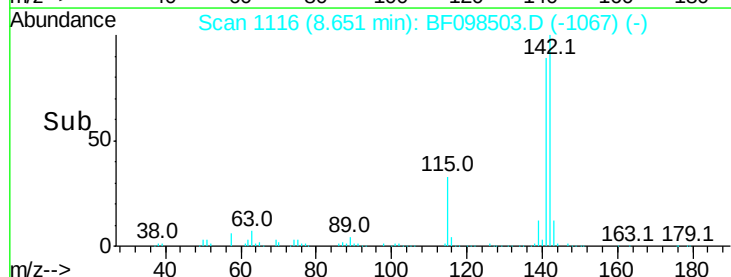
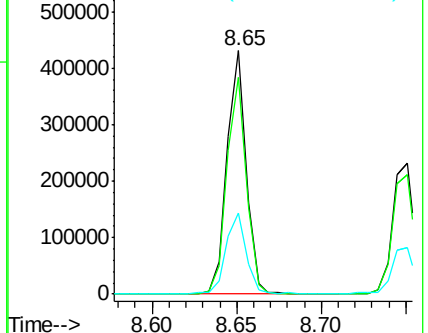
115 33.5 27.1 40.7

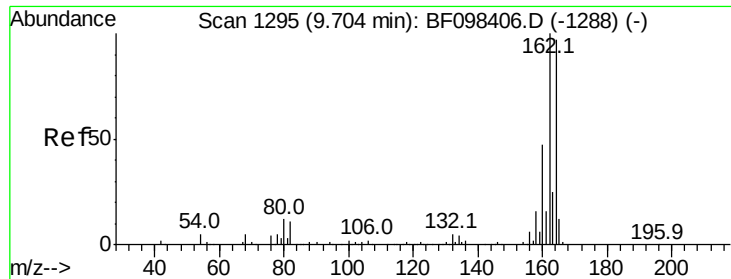


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

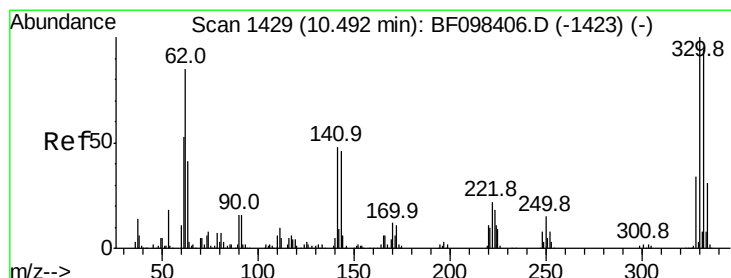
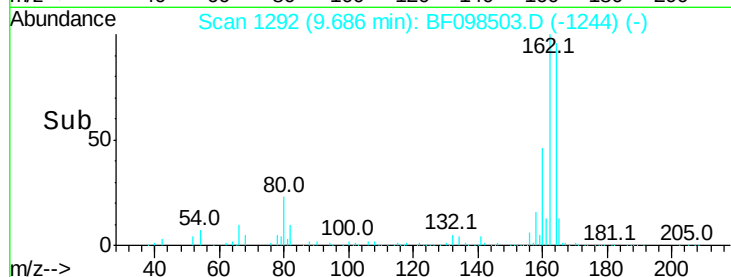
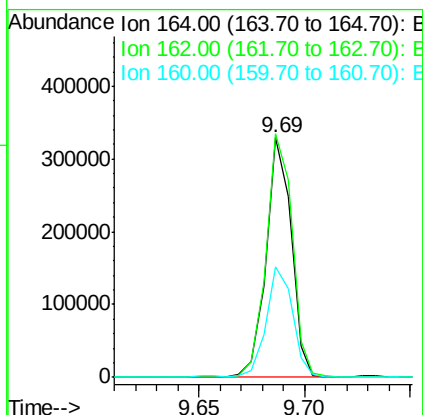
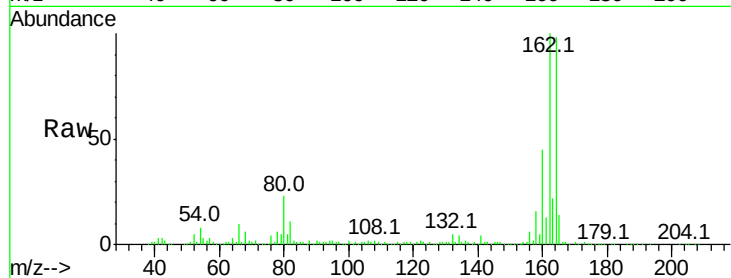




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

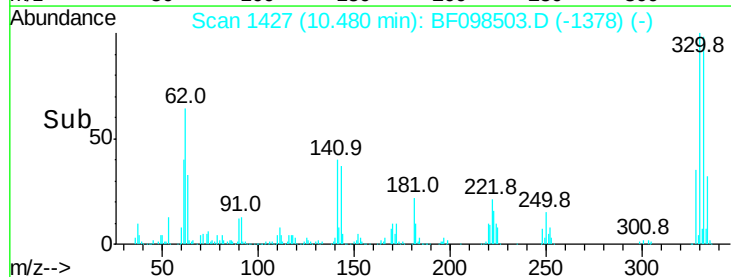
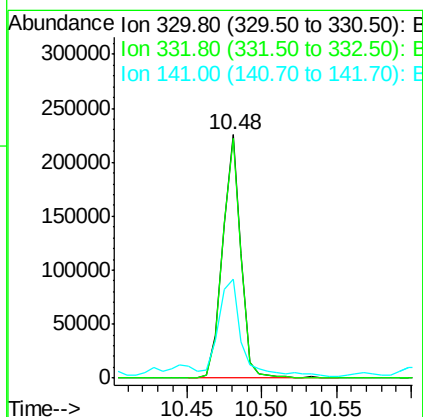
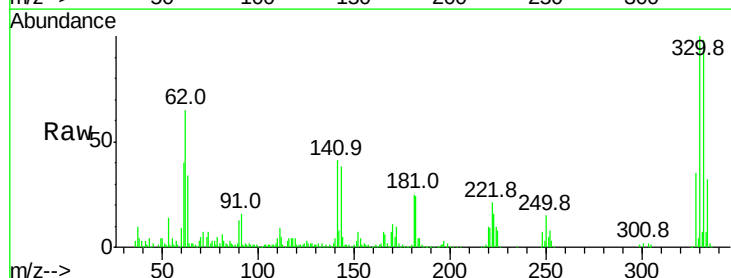
Instrument :
BNA_F
ClientSampled :

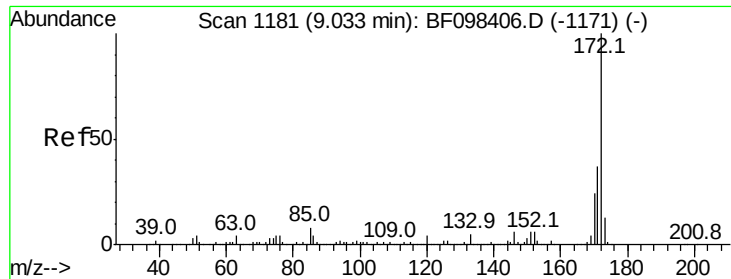
Tot Ion:164 Resp: 275360
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 46.3 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 106.500 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Tgt Ion:330 Resp: 195726
Ion Ratio Lower Upper
330 100
332 98.7 76.6 115.0
141 50.4 31.4 47.2#

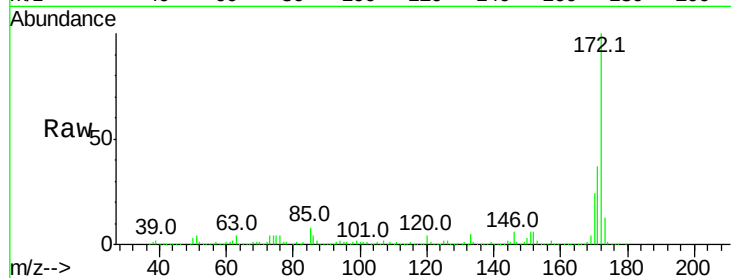




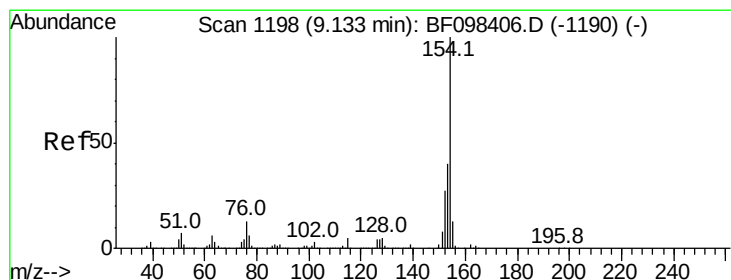
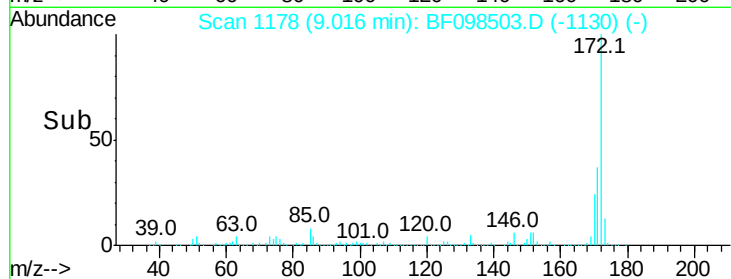
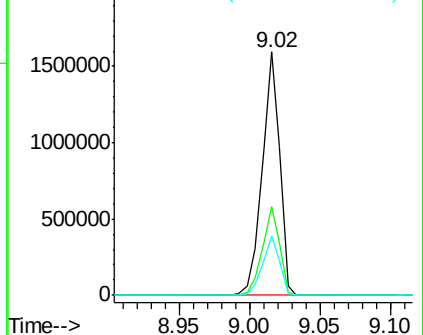
#44
2-Fluorobiphenyl
Concen: 86.585 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1406686
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 24.2 19.8 29.8

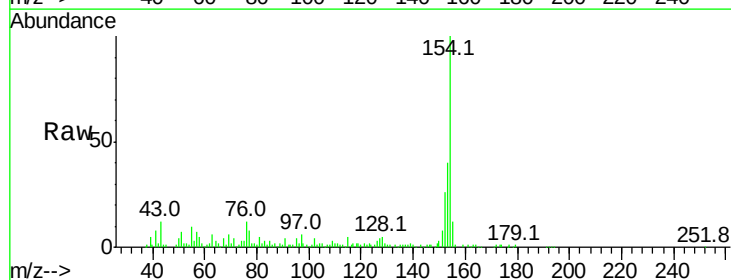


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

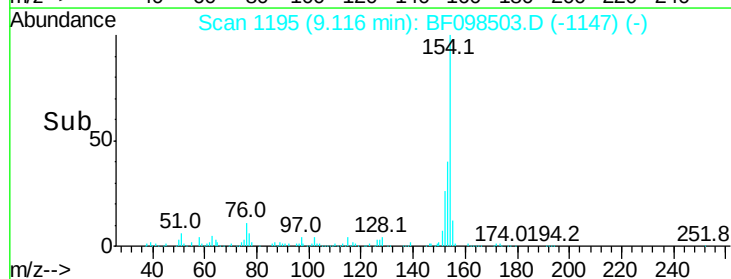
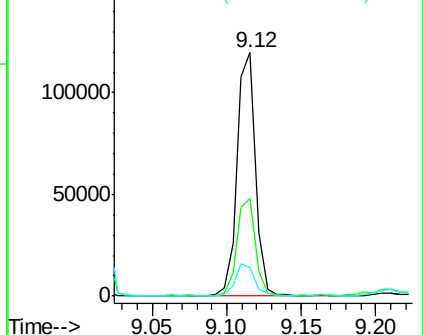


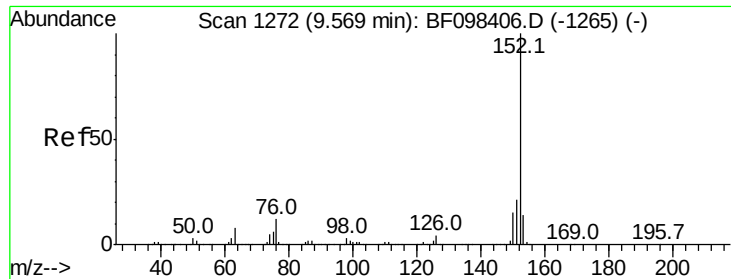
#45
1,1'-Biphenyl
Concen: 4.246 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Tgt Ion:154 Resp: 104645
Ion Ratio Lower Upper
154 100
153 40.1 21.2 61.2
76 11.9 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 4.120 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

ClientSampleId :

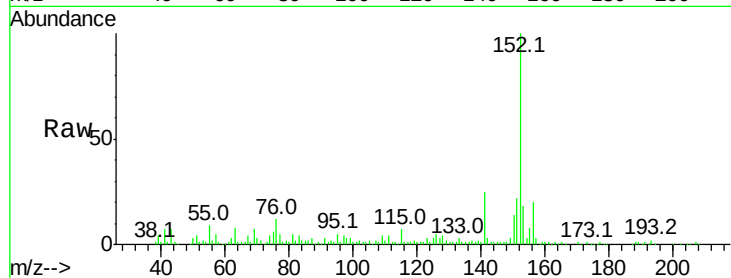
Tot Ion:152 Resp: 107838

Ion Ratio Lower Upper

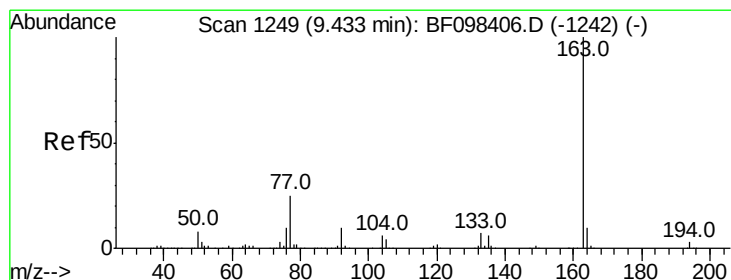
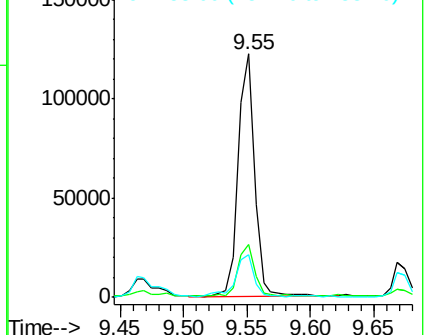
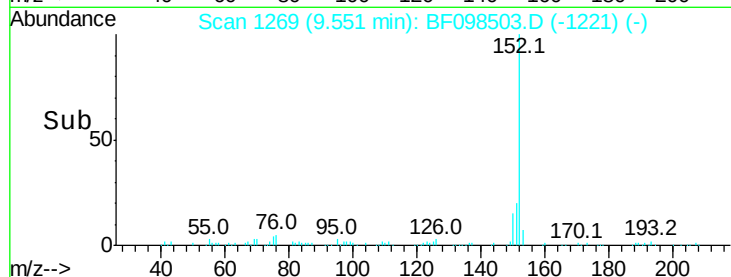
152 100

151 21.6 16.8 25.2

153 17.8 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 8.838 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

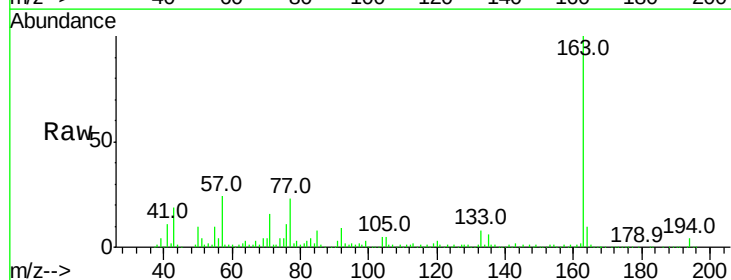
Tgt Ion:163 Resp: 188377

Ion Ratio Lower Upper

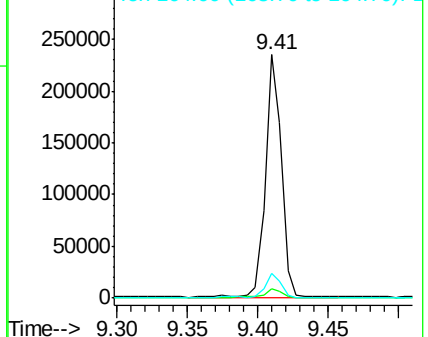
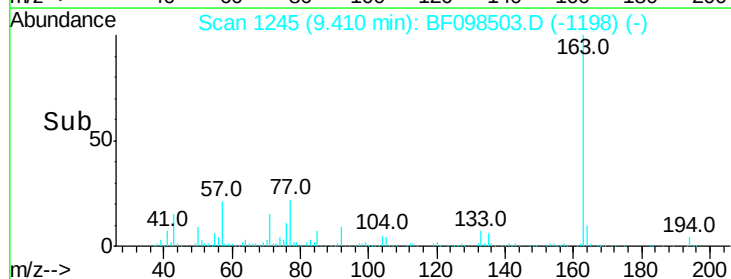
163 100

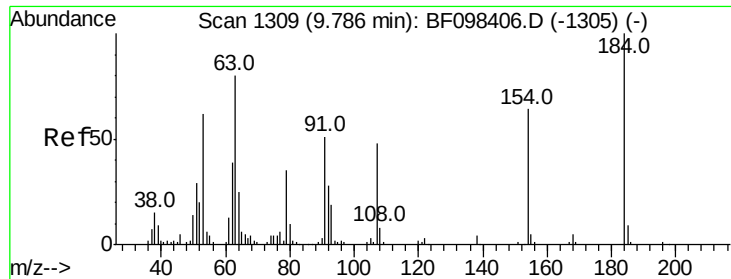
194 3.9 2.6 4.0

164 10.2 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

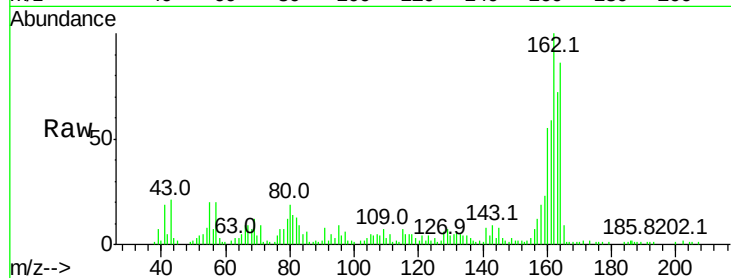




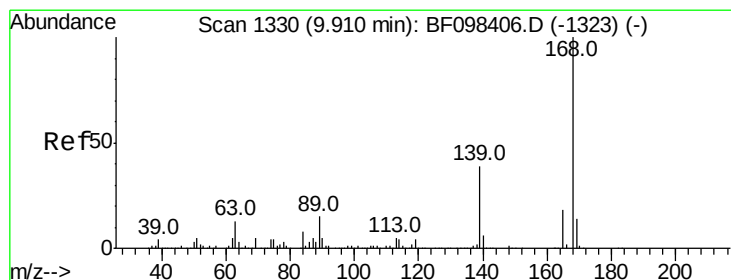
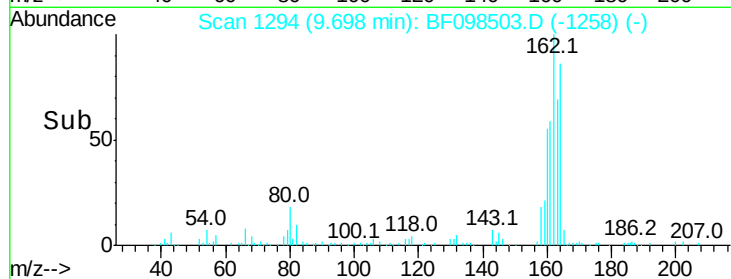
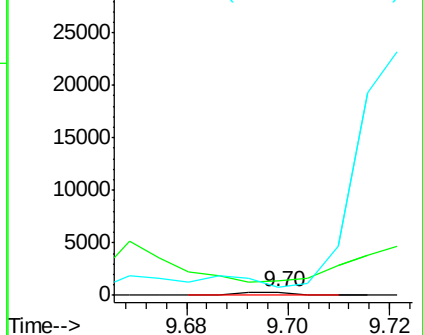
#53
2,4-Dinitrophenol
Concen: 8.623 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.09 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 227
Ion Ratio Lower Upper
184 100
63 399.1 62.7 94.1#
154 234.4 81.1 121.7#

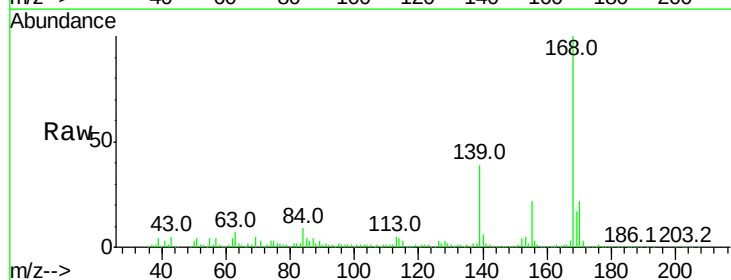


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

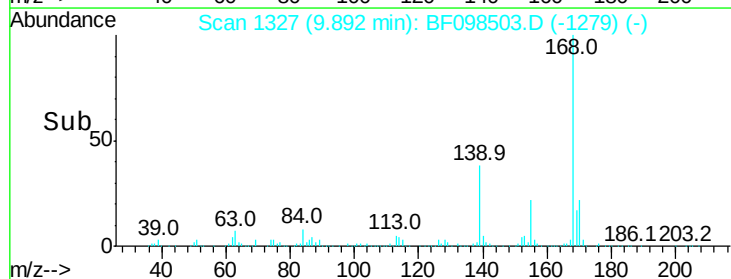
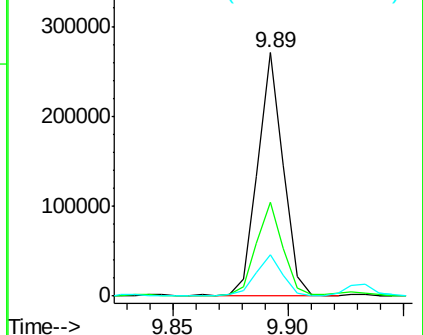


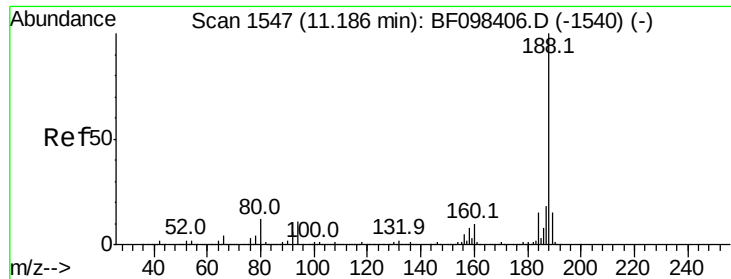
#54
Dibenzofuran
Concen: 9.561 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.02 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Tgt Ion:168 Resp: 209535
Ion Ratio Lower Upper
168 100
139 38.5 30.6 45.8
169 16.9 10.8 16.2#



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.02 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

ClientSampleId :

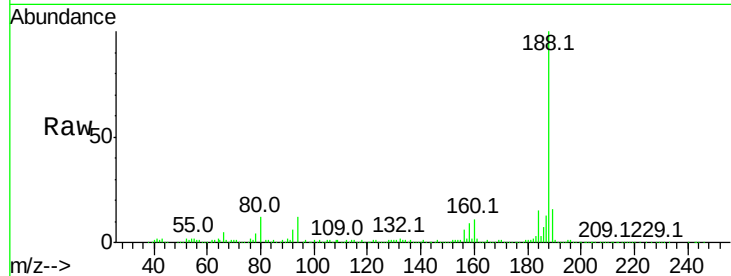
Tot Ion:188 Resp: 412837

Ion Ratio Lower Upper

188 100

94 11.8 9.4 14.2

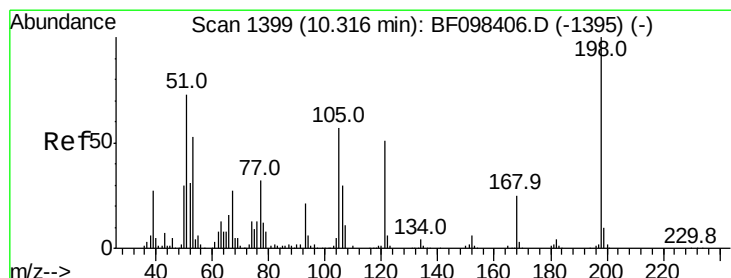
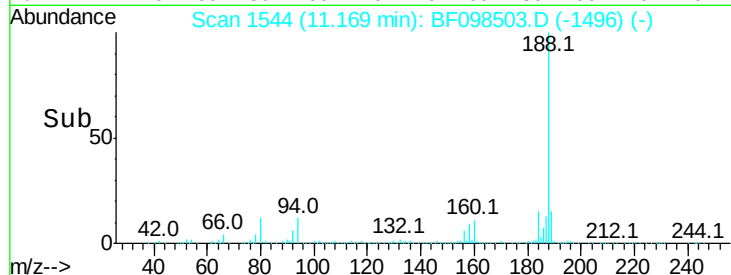
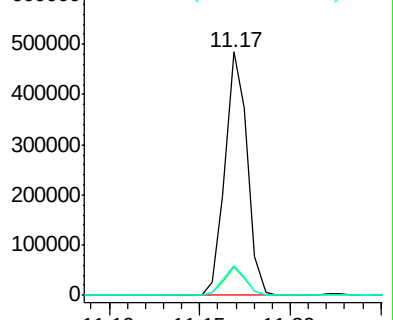
80 12.3 10.2 15.2



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: 5.167 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.02 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

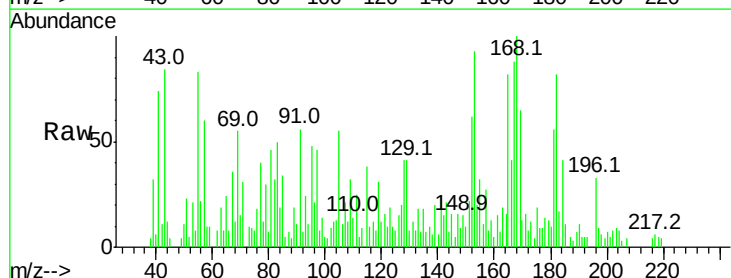
Tgt Ion:198 Resp: 573

Ion Ratio Lower Upper

198 100

51 373.0 53.2 93.2#

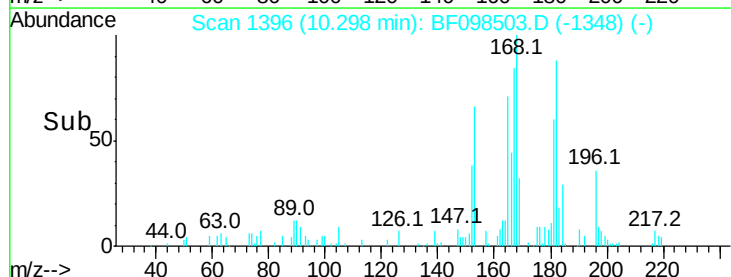
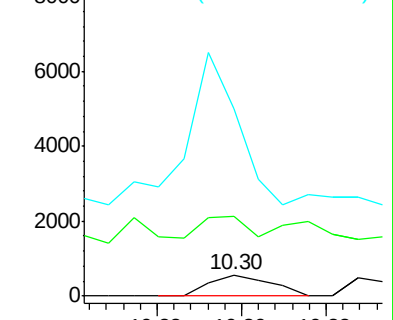
105 876.0 45.8 85.8#

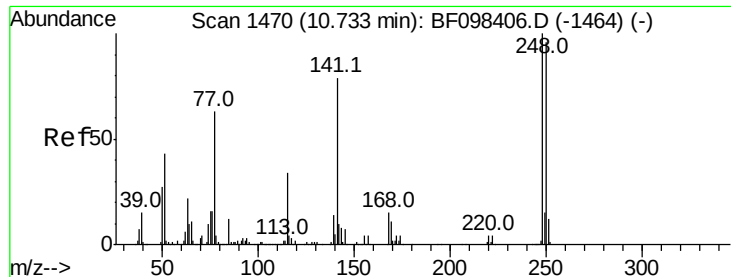


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

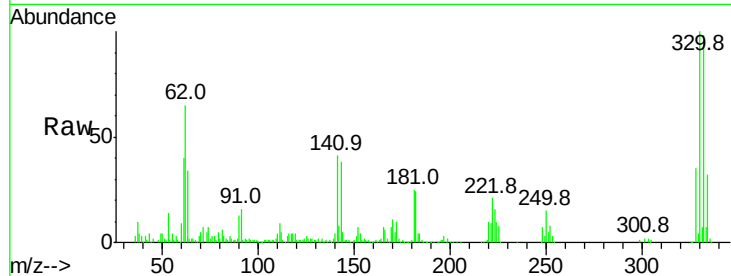




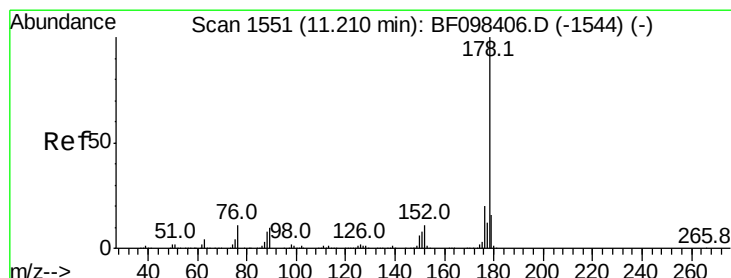
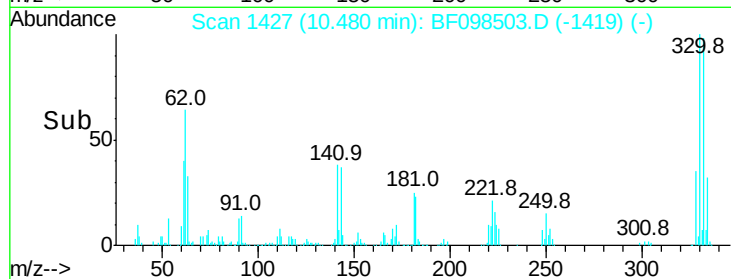
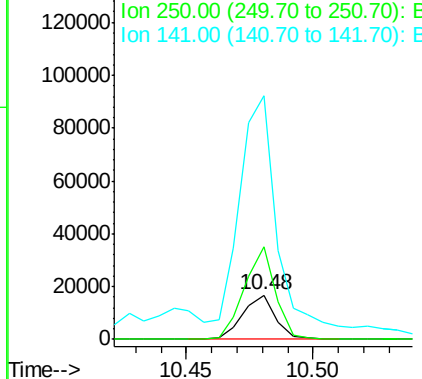
#66
 4-Bromophenyl-phenylether
 Concen: 3.846 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.25 min
 Lab File: BF098503.D
 Acq: 13 Sep 2017 21:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 15071
 Ion Ratio Lower Upper
 248 100
 250 207.6 76.8 115.2#
 141 549.3 68.6 103.0#

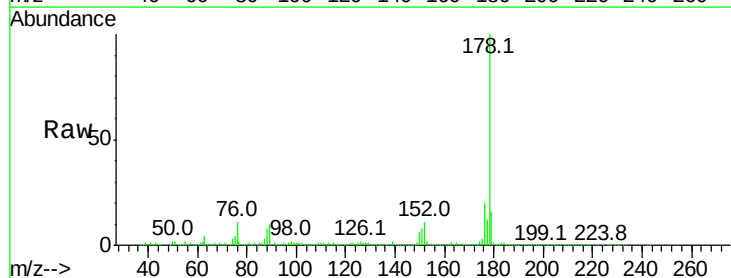


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

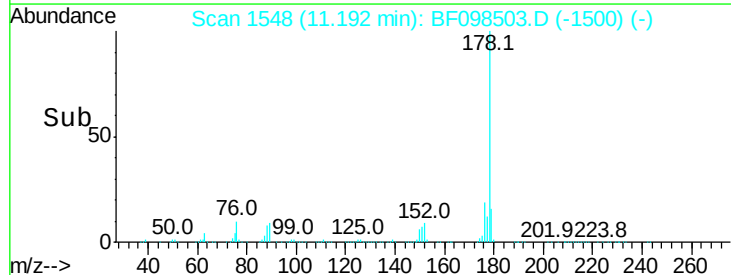
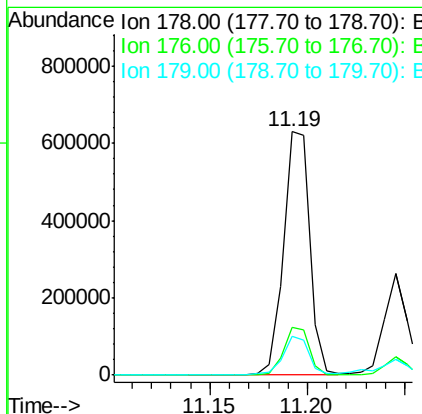


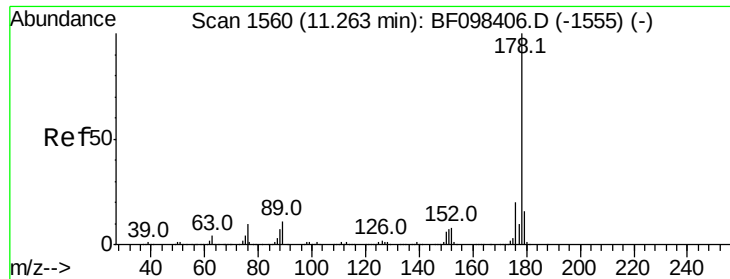
#70
 Phenanthrene
 Concen: 26.670 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF098503.D
 Acq: 13 Sep 2017 21:39

Tgt Ion:178 Resp: 583697
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.2 24.4
 179 15.8 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 9.199 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

ClientSampleId :

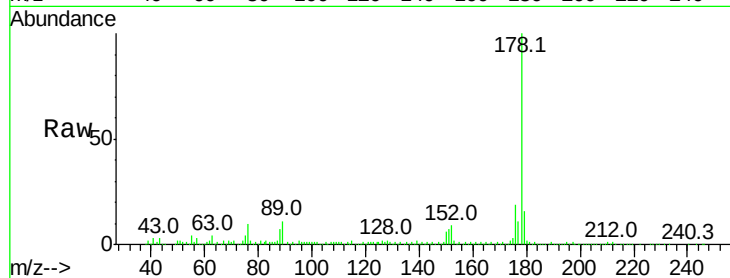
Tot Ion:178 Resp: 206697

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.8	12.7	19.1

178 100

176 18.7 15.8 23.8

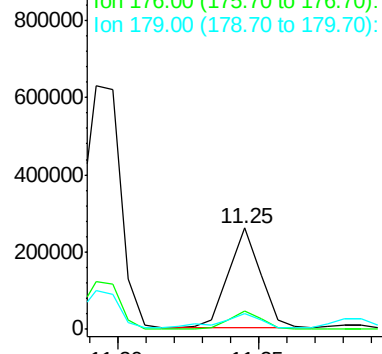
179 15.8 12.7 19.1



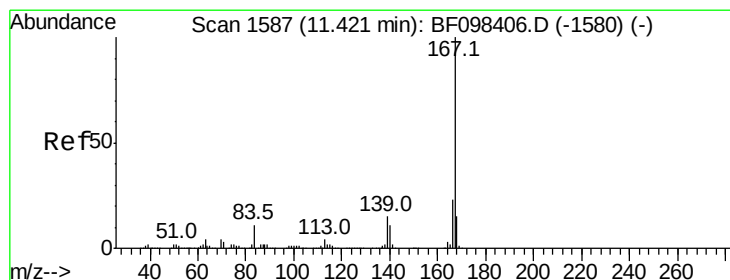
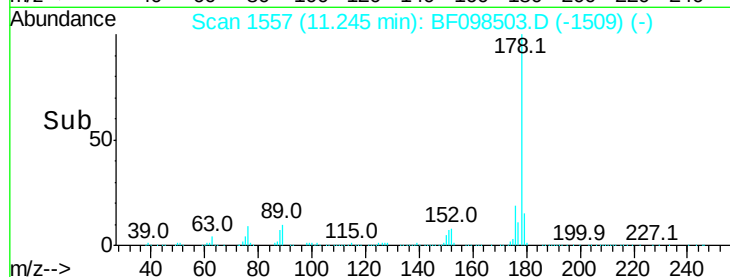
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Carbazole

Concen: 2.298 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.02 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

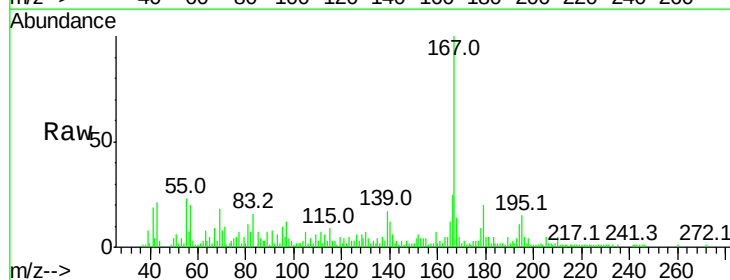
Tgt Ion:167 Resp: 48120

Ion	Ratio	Lower	Upper
167	100		
166	25.2	18.1	27.1
139	17.4	11.7	17.5

167 100

166 25.2 18.1 27.1

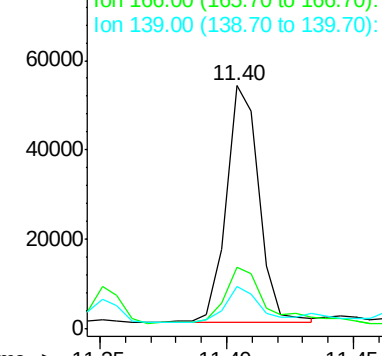
139 17.4 11.7 17.5



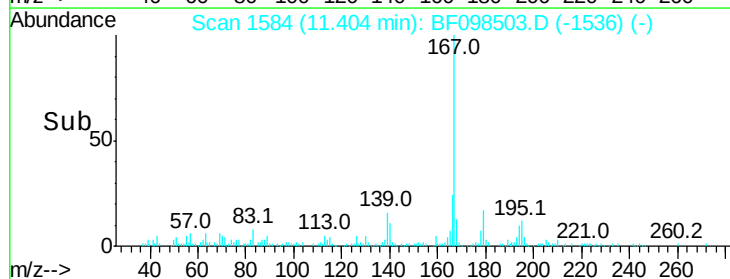
Abundance Ion 167.00 (166.70 to 167.70): E

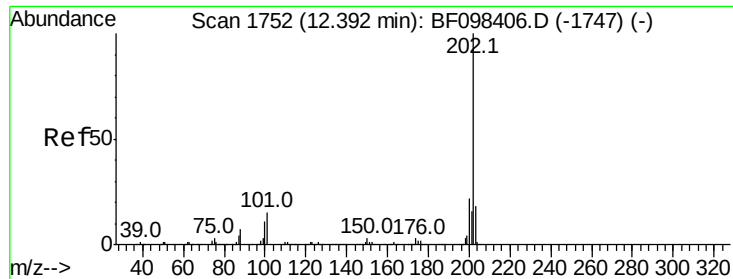
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->





#74

Fluoranthene

Concen: 31.969 ng

RT: 12.38 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BF098503.D

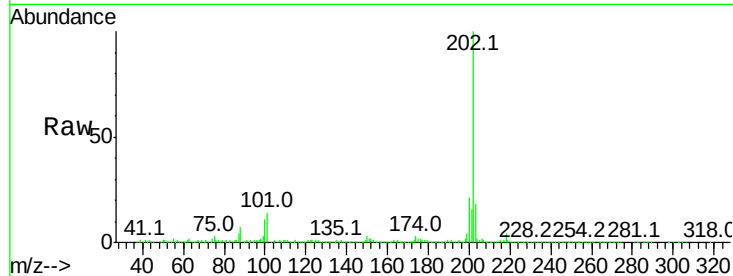
Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

ClientSampleId :

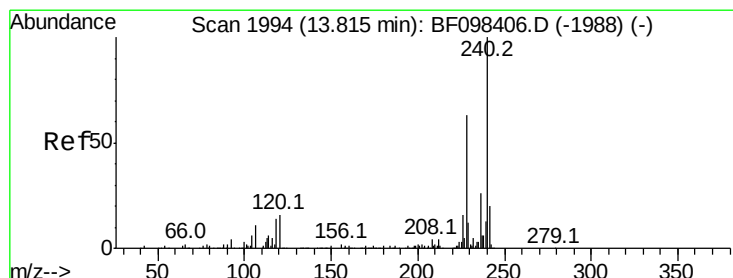
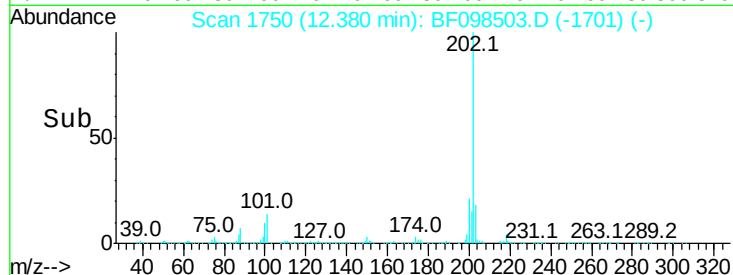
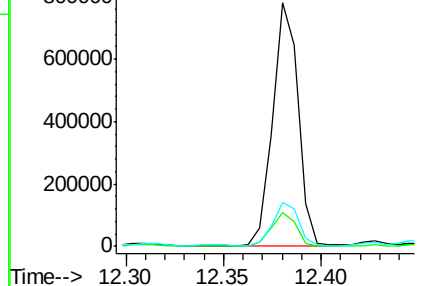
Tot Ion:	202	Resp:	700417
Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	33.2
203	17.9	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

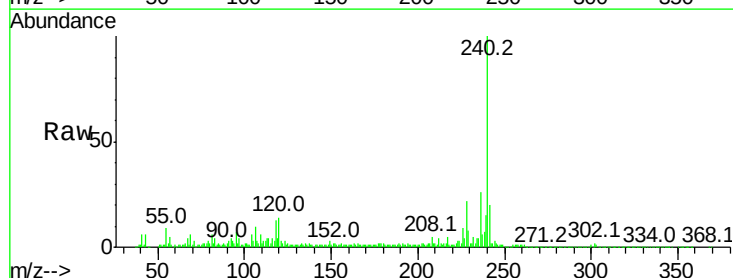
RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

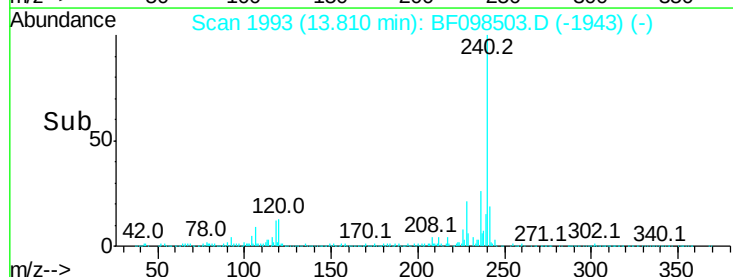
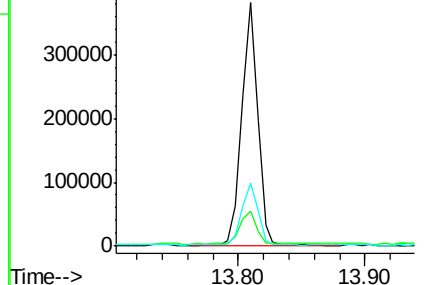
Tgt Ion:	240	Resp:	329452
Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	26.0	20.5	30.7

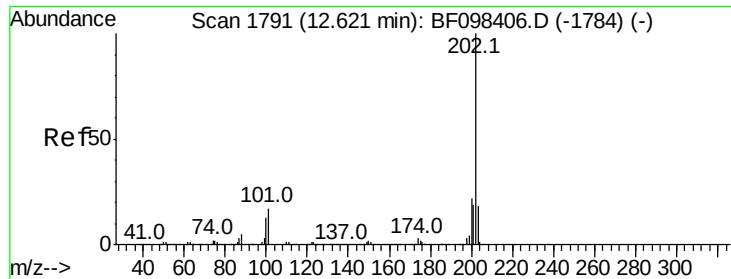


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 20.198 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

ClientSampleId :

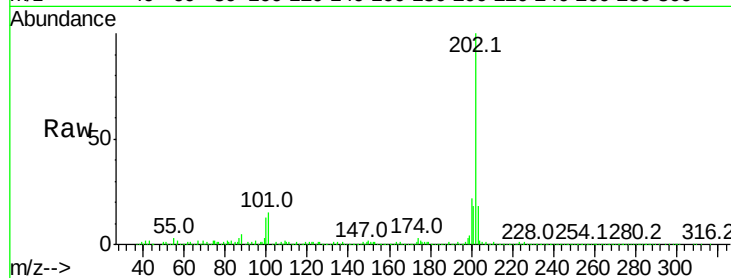
Tot Ion:202 Resp: 524923

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

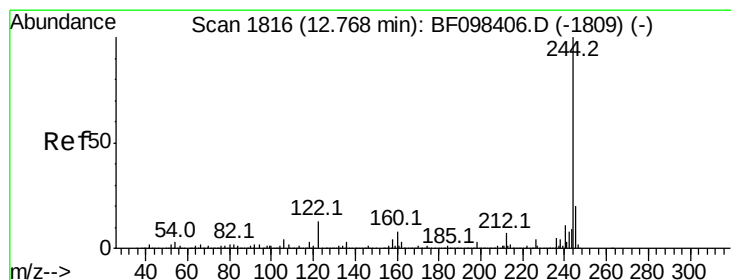
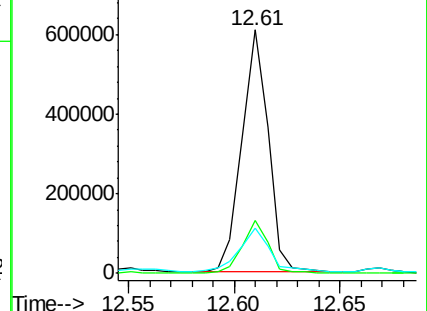
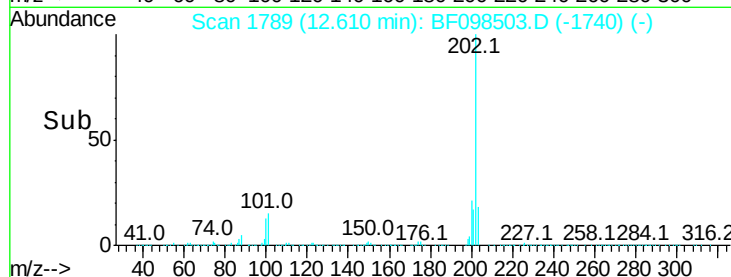
203 18.4 14.4 21.6



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: 59.652 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

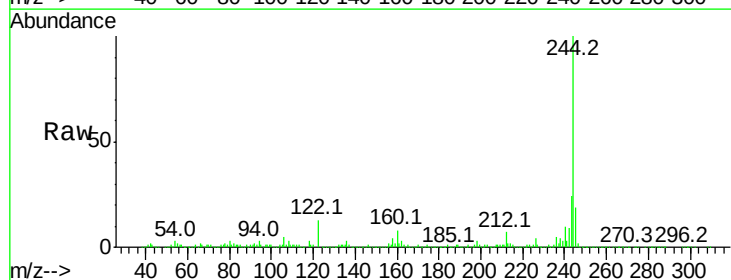
Tgt Ion:244 Resp: 910486

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

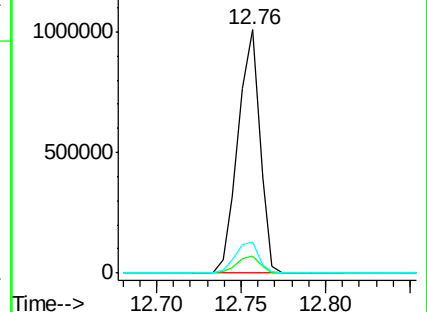
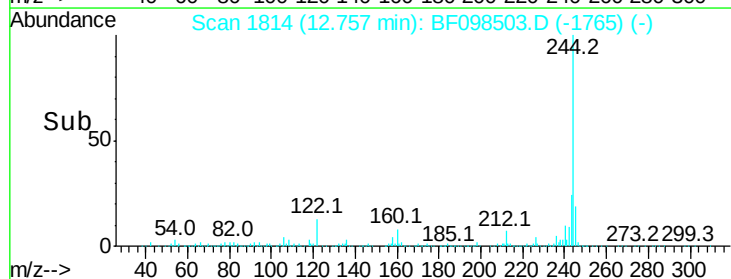
122 12.7 10.3 15.5

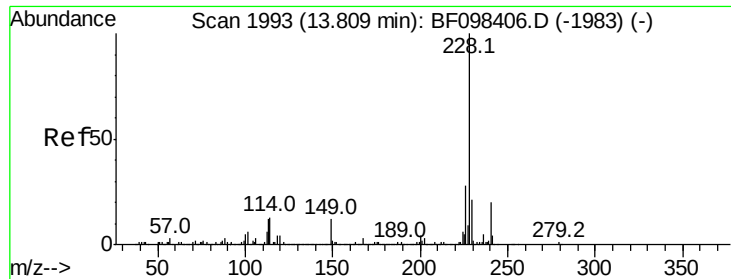


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 15.904 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

ClientSampleId :

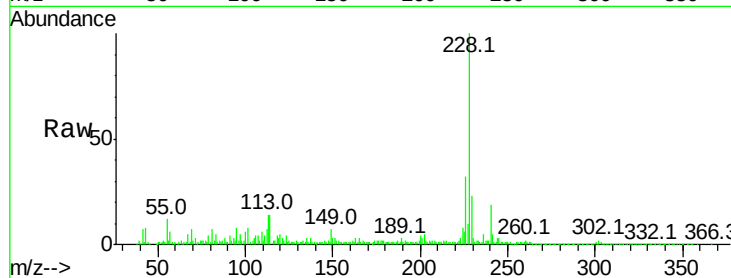
Tot Ion:228 Resp: 307189

Ion Ratio Lower Upper

228 100

226 31.8 22.6 33.8

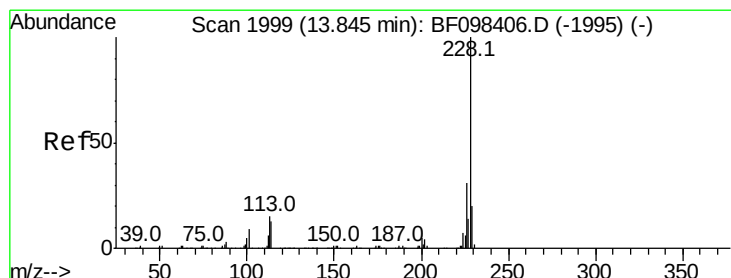
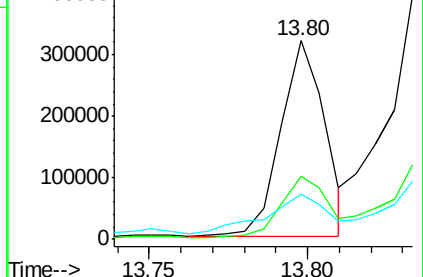
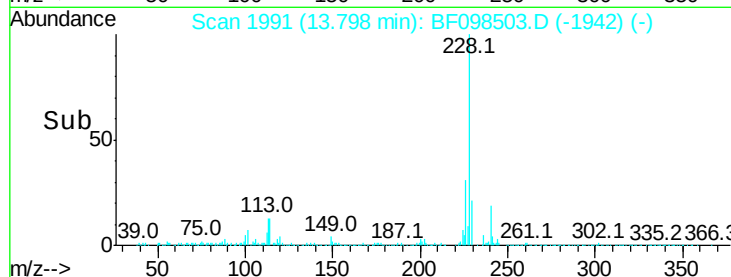
229 23.0 16.3 24.5



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: 15.734 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.05 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

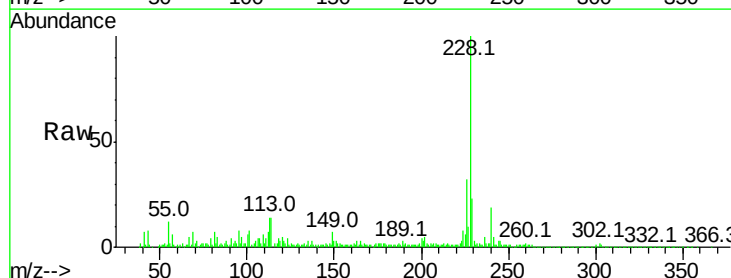
Tgt Ion:228 Resp: 307189

Ion Ratio Lower Upper

228 100

226 31.8 24.9 37.3

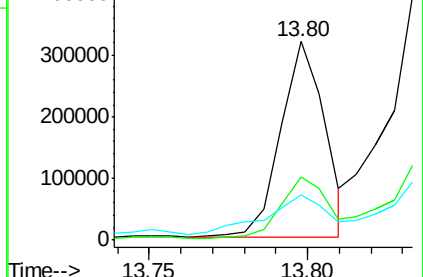
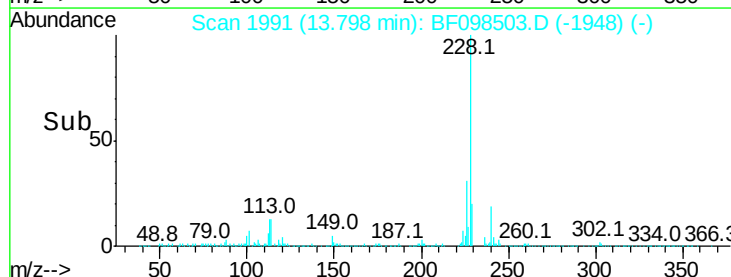
229 23.0 15.8 23.6

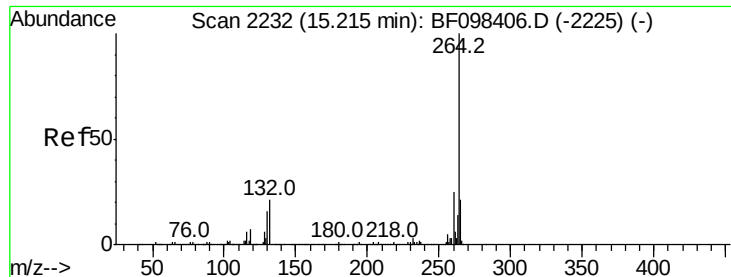


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

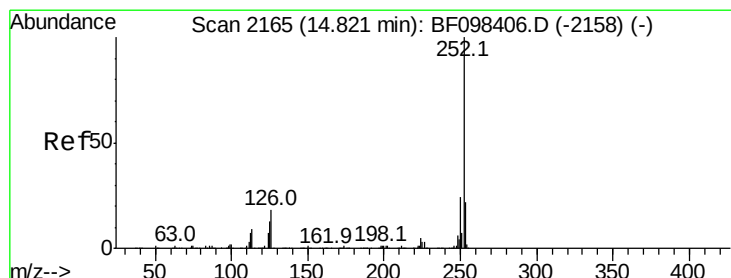
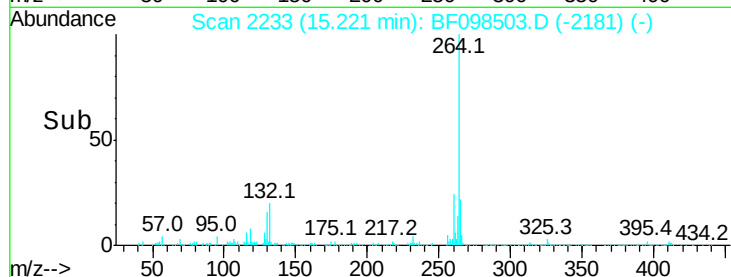
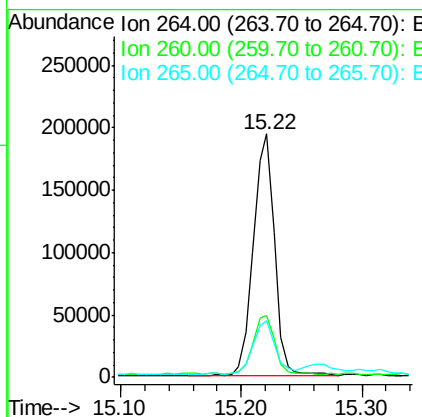
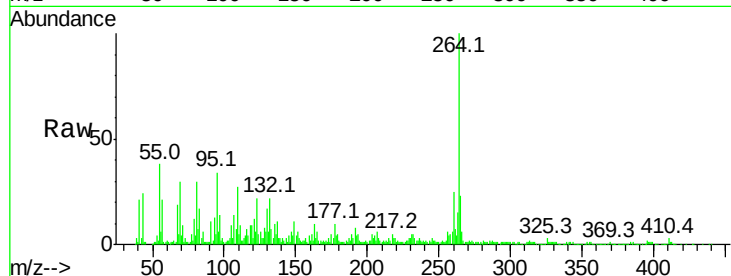




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

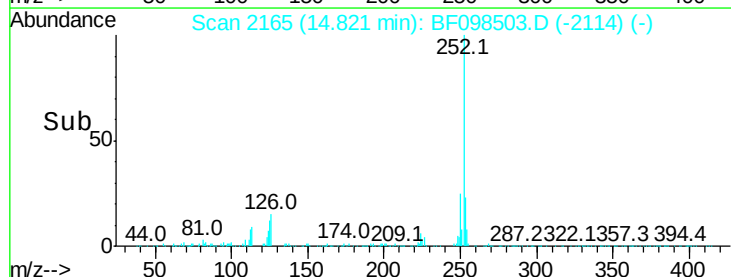
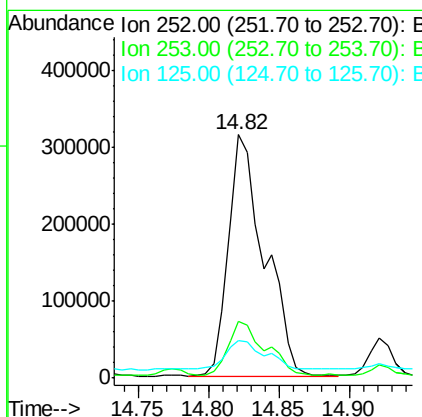
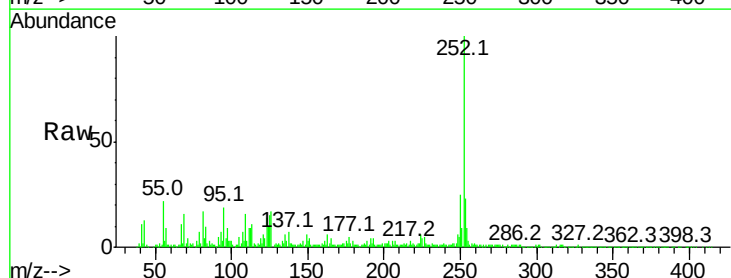
Instrument :
BNA_F
ClientSampled :

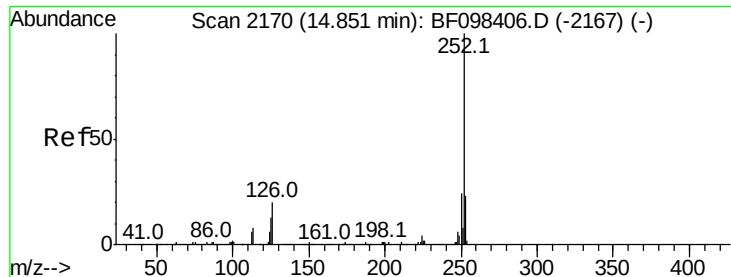
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	23.3	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 37.274 ng
RT: 14.82 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	15.4	9.8	14.8#

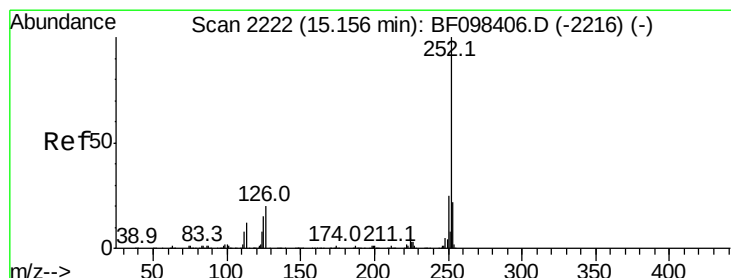
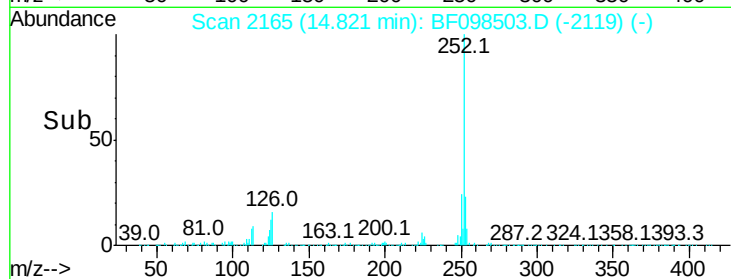
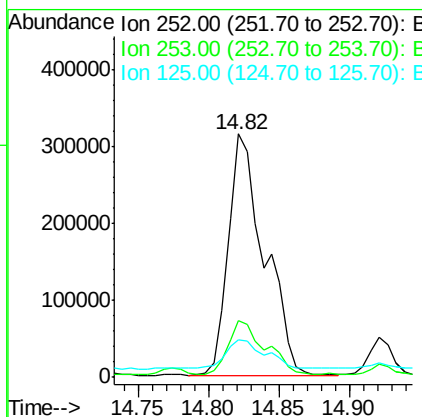
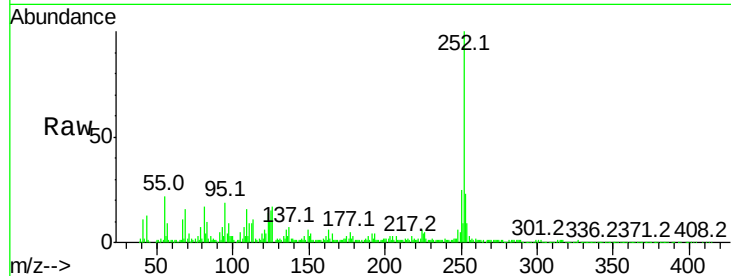




#88
Benzo(k)fluoranthene
Concen: 39.926 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

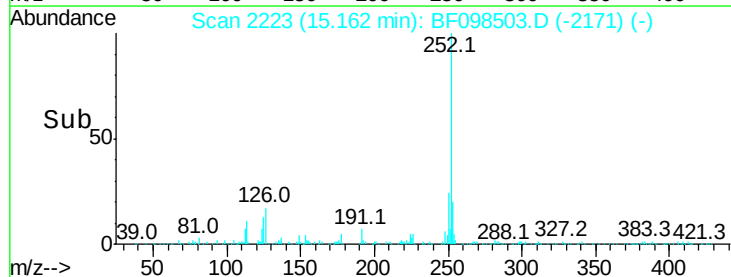
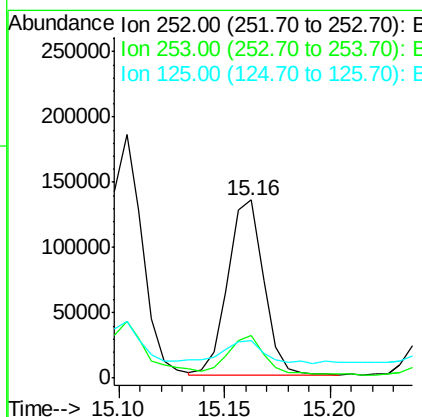
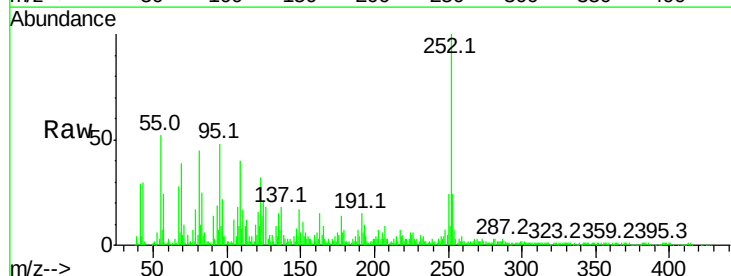
Instrument :
BNA_F
ClientSampleId :

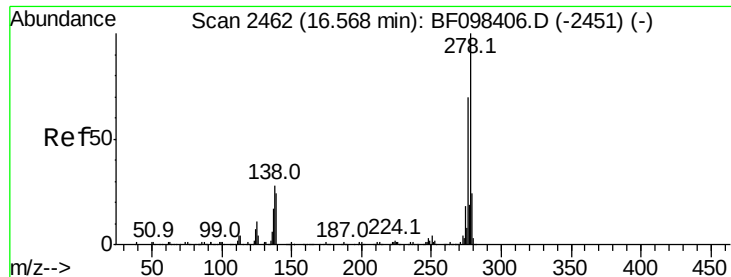
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	15.4	13.1	19.7



#89
Benzo(a)pyrene
Concen: 11.828 ng
RT: 15.16 min Scan# 2223
Delta R.T. 0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	20.9	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 3.795 ng

RT: 16.57 min Scan# 2463

Delta R.T. 0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

ClientSampleId :

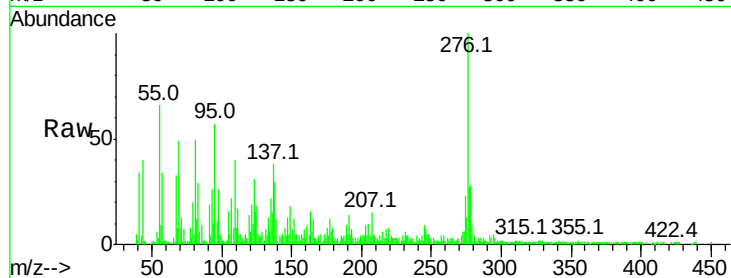
Tot Ion:278 Resp: 36947

Ion Ratio Lower Upper

278 100

139 43.8 16.6 24.8#

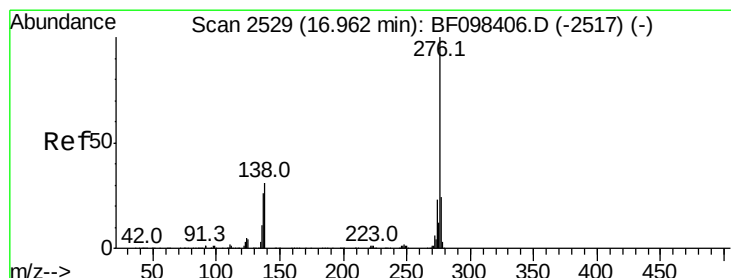
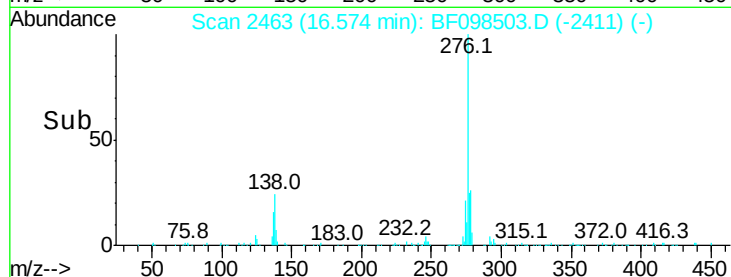
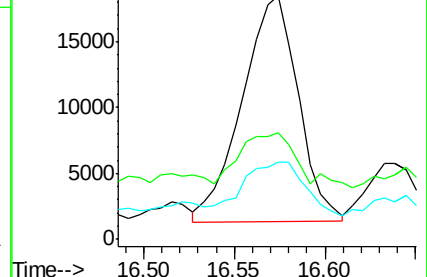
279 31.5 19.3 28.9#



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: 10.975 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

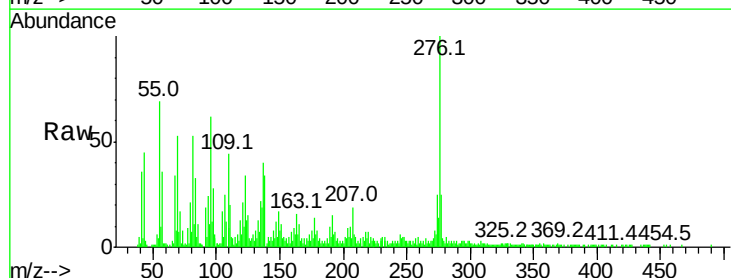
Tgt Ion:276 Resp: 107477

Ion Ratio Lower Upper

276 100

277 24.8 18.6 28.0

138 33.7 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

