

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF08194.D
 Acq On : 31 Aug 2017 10:16
 Operator : SJ/JU
 Sample : I4979-01DL 10X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 12:38:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	112556	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	405614	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	169879	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	279639	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	244649	20.00	ng	-0.02
86) Perylene-d12	15.29	264	167395	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	93409	12.62	ng	-0.02
7) Phenol-d6	6.36	99	128265	12.76	ng	-0.02
23) Nitrobenzene-d5	7.29	82	66697	8.93	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	13535	9.18	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	86516	7.48	ng	-0.02
78) Terphenyl-d14	12.82	244	66897	5.70	ng	-0.03

Target Compounds

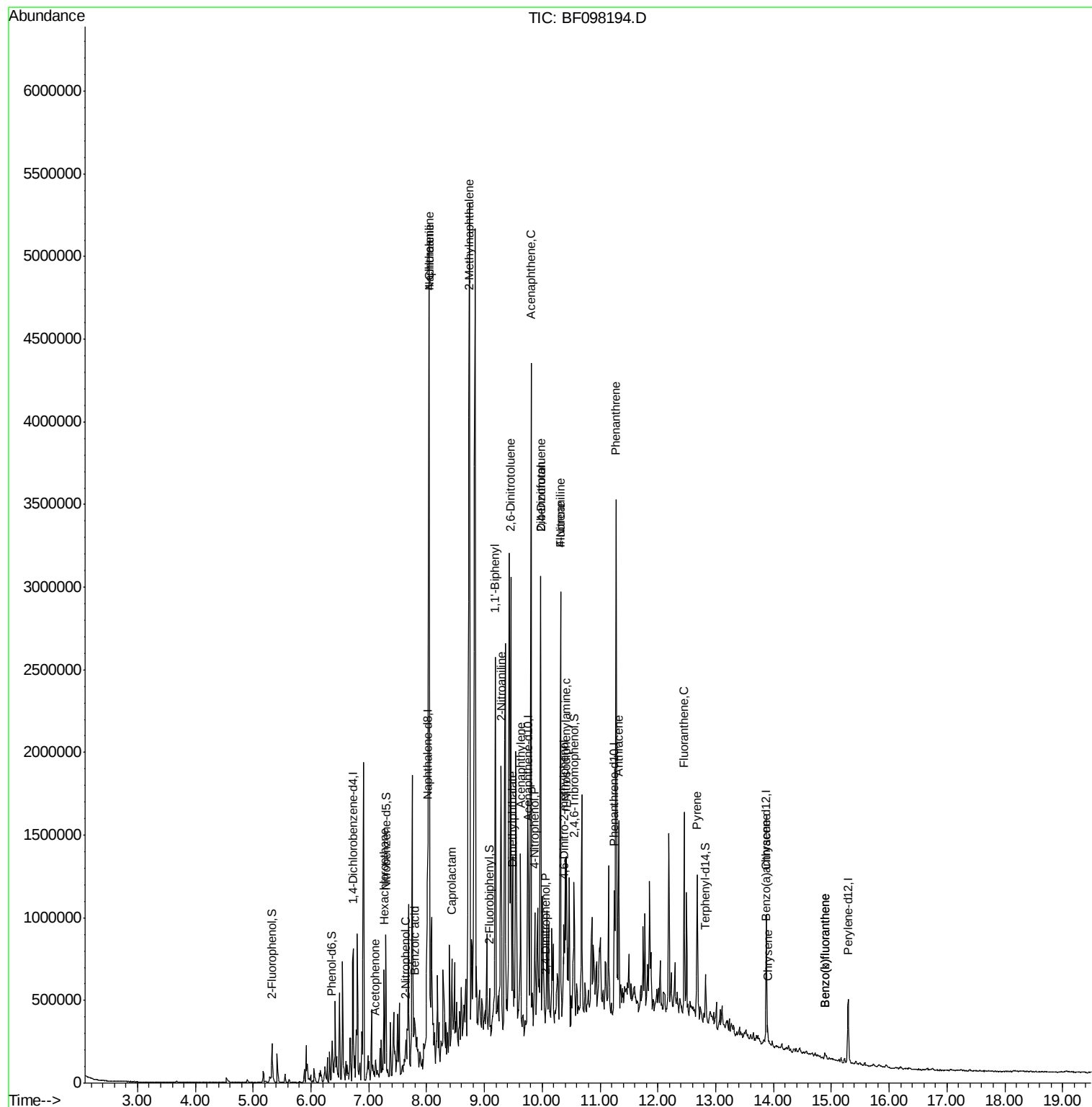
						Qvalue
18) Hexachloroethane	7.26	117	40269	12.031	ng	# 1
22) Acetophenone	7.12	105	23012	2.148	ng	# 55
26) 2-Nitrophenol	7.63	139	960	5.542	ng	# 1
31) Naphthalene	8.05	128	2930086	139.147	ng	99
32) Benzoic acid	7.80	122	9165	8.088	ng	# 18
33) 4-Chloroaniline	8.05	127	417640	47.028	ng	# 35
35) Caprolactam	8.44	113	10283	5.628	ng	# 52
37) 2-Methylnaphthalene	8.74	142	2423852	187.748	ng	98
45) 1,1'-Biphenyl	9.19	154	726948	46.926	ng	95
47) 2-Nitroaniline	9.29	65	9949	2.593	ng	# 36
48) Acenaphthylene	9.62	152	46540	2.589	ng	# 35
49) Dimethylphthalate	9.48	163	31078	2.503	ng	# 94
50) 2,6-Dinitrotoluene	9.46	165	10963	4.423	ng	# 1
51) Acenaphthene	9.80	154	910134	80.285	ng	97
53) 2,4-Dinitrophenol	10.06	184	1971	11.602	ng	86
54) Dibenzofuran	9.97	168	1040098	68.458	ng	98
55) 4-Nitrophenol	9.87	139	18017	7.063	ng	86
56) 2,4-Dinitrotoluene	9.97	165	8106	2.606	ng	# 1
57) Fluorene	10.32	166	740584	63.047	ng	97
61) 4-Nitroaniline	10.32	138	8649	2.846	ng	# 43
64) 4,6-Dinitro-2-methylphenol	10.38	198	1870	9.494	ng	# 1
65) n-Nitrosodiphenylamine	10.42	169	50506	5.304	ng	# 44
70) Phenanthrene	11.27	178	1388117	93.155	ng	99
71) Anthracene	11.32	178	378931	25.072	ng	100
74) Fluoranthene	12.46	202	448471	28.834	ng	99
77) Pyrene	12.68	202	351774	17.580	ng	97
80) Benzo(a)anthracene	13.86	228	50053	3.414	ng	96
82) Chrysene	13.90	228	40381	2.768	ng	96
87) Benzo(b)fluoranthene	14.89	252	25488	2.416	ng	# 85
88) Benzo(k)fluoranthene	14.89	252	25488	2.571	ng	# 89

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.73 min Scan# 789

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampleId :

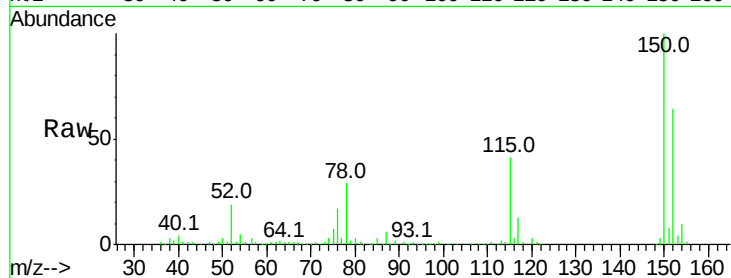
Tot Ion:152 Resp: 112556

Ion Ratio Lower Upper

152 100

150 156.2 126.2 189.2

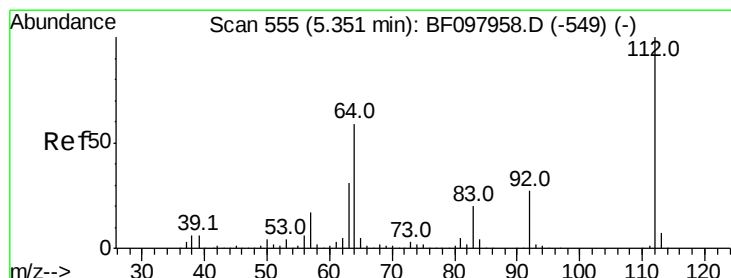
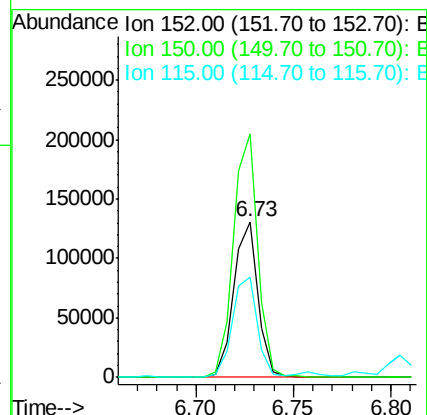
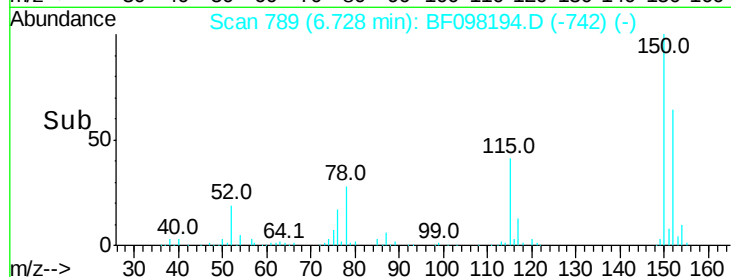
115 64.0 52.2 78.2



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: 12.623 ng

RT: 5.33 min Scan# 551

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

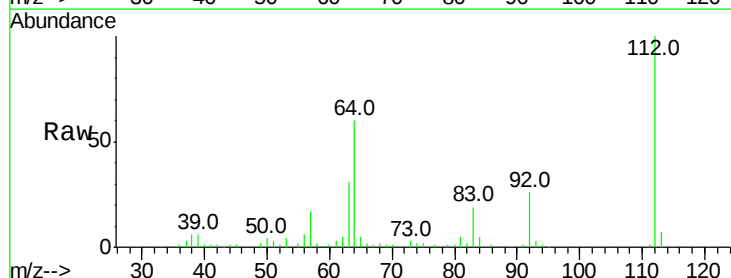
Tgt Ion:112 Resp: 93409

Ion Ratio Lower Upper

112 100

64 60.2 46.0 69.0

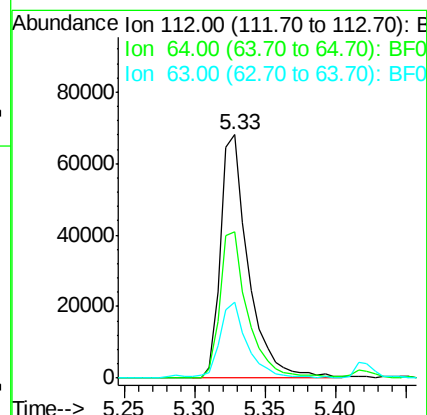
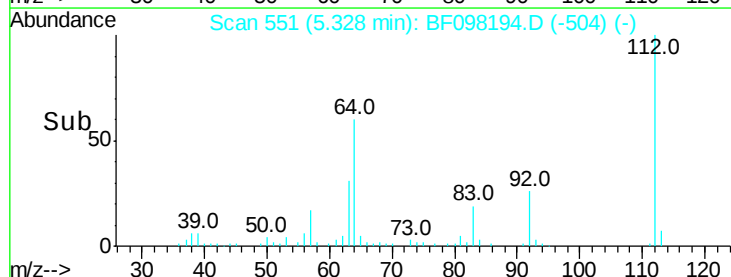
63 31.0 23.4 35.0

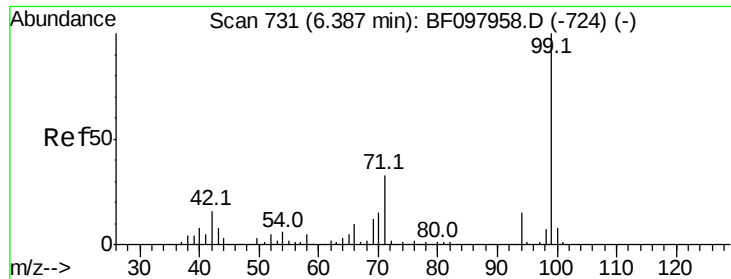


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 12.757 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampleId :

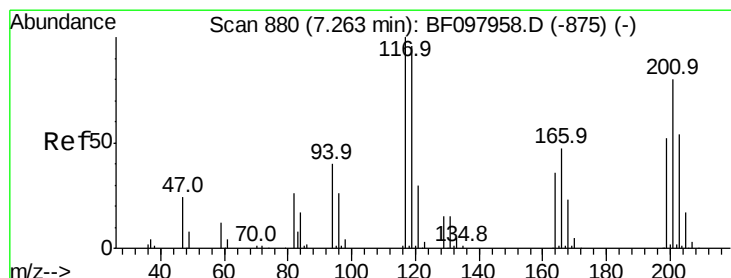
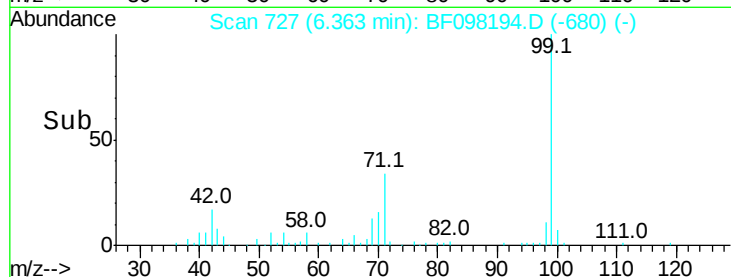
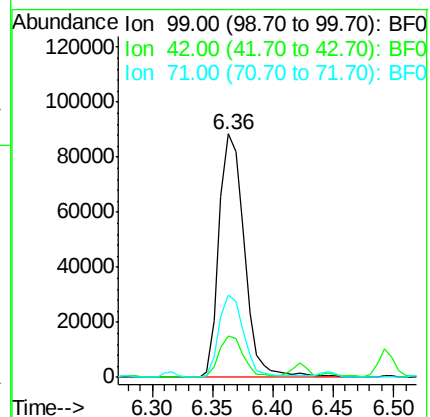
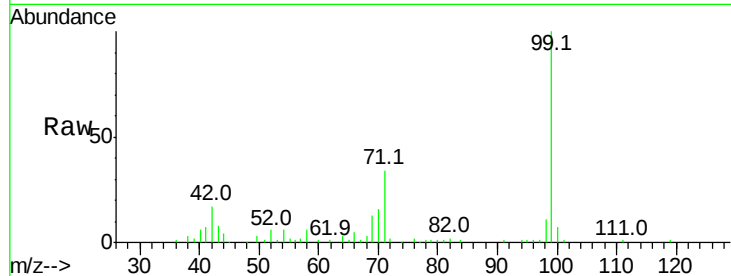
Tot Ion: 99 Resp: 128265

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

71 33.6 24.5 36.7



#18

Hexachloroethane

Concen: 12.031 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

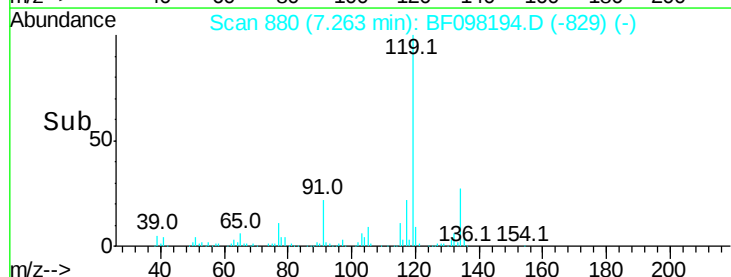
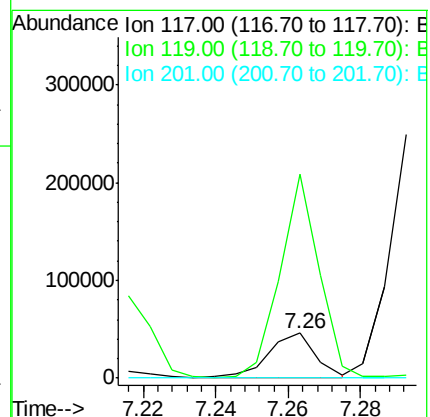
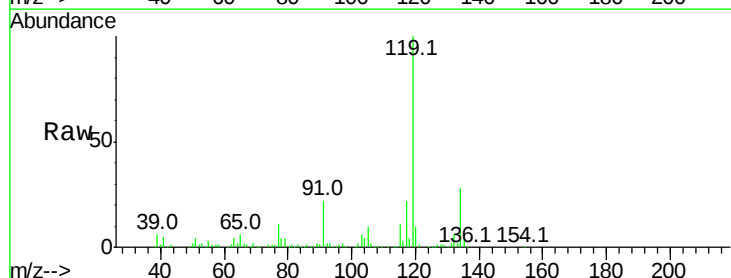
Tgt Ion: 117 Resp: 40269

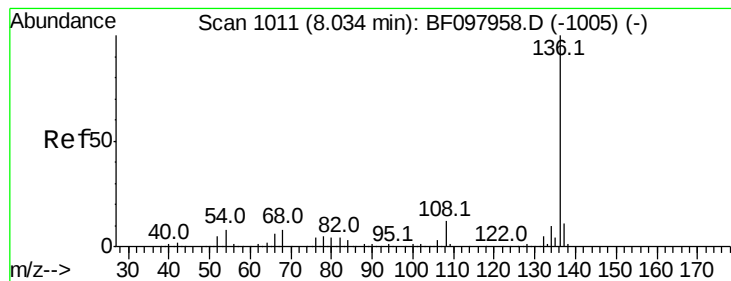
Ion Ratio Lower Upper

117 100

119 453.2 77.4 116.0#

201 0.0 94.6 141.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 405614

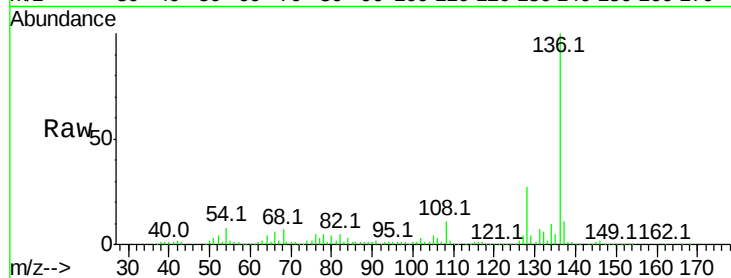
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.6 4.9 7.3#

68 7.4 4.1 6.1#

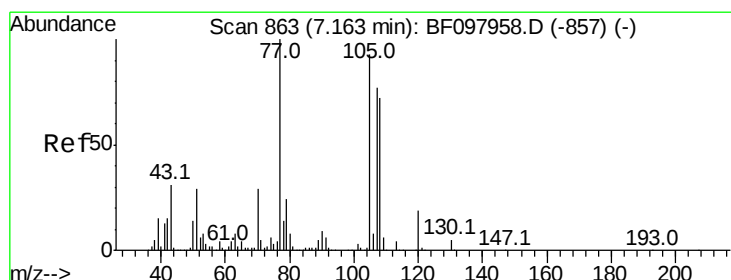
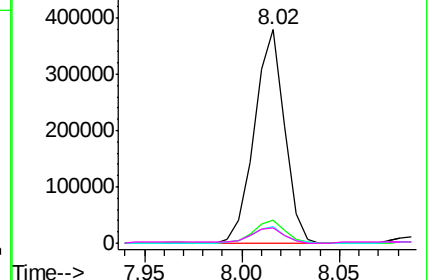
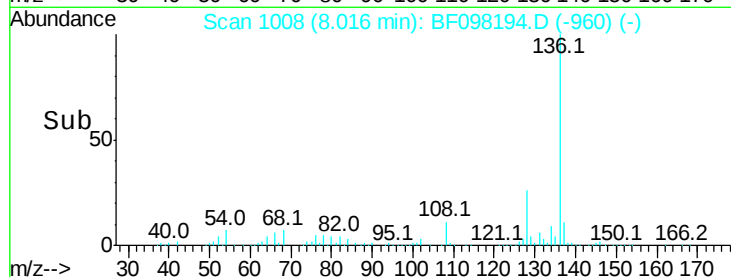


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 2.148 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.04 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Tgt Ion:105 Resp: 23012

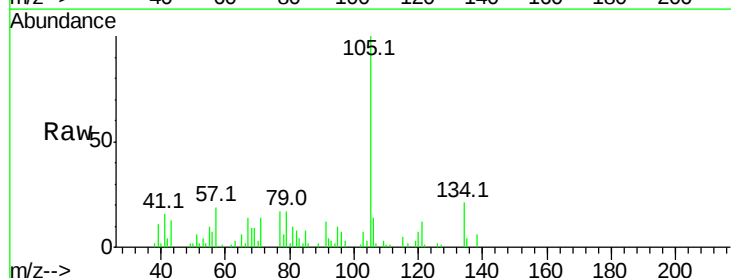
Ion Ratio Lower Upper

105 100

71 14.1 2.8 4.2#

51 6.3 30.7 46.1#

120 6.7 17.4 26.0#

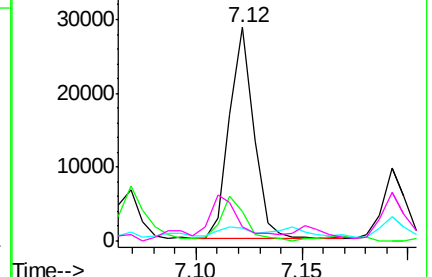
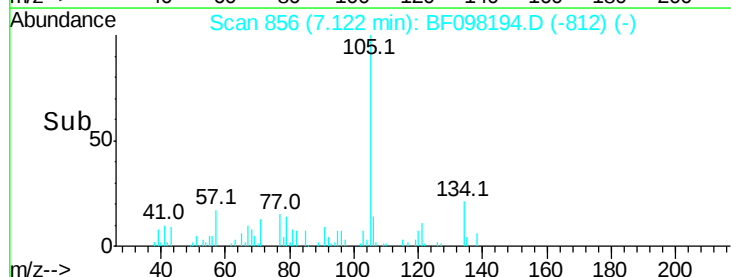


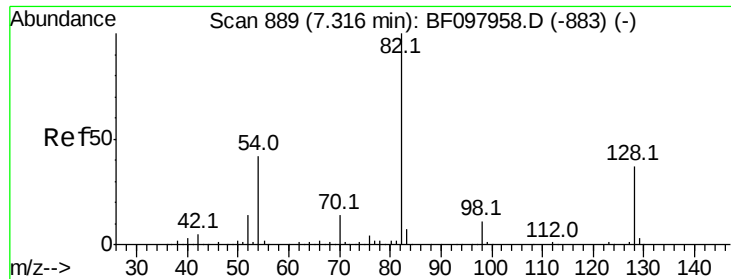
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

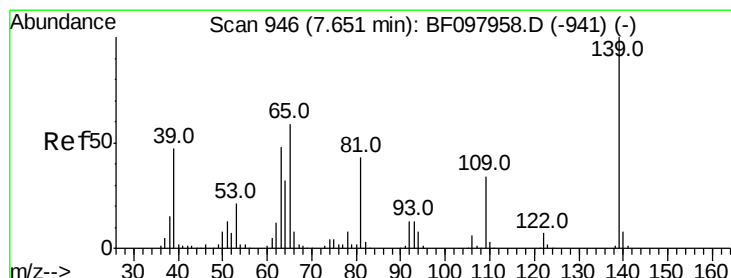
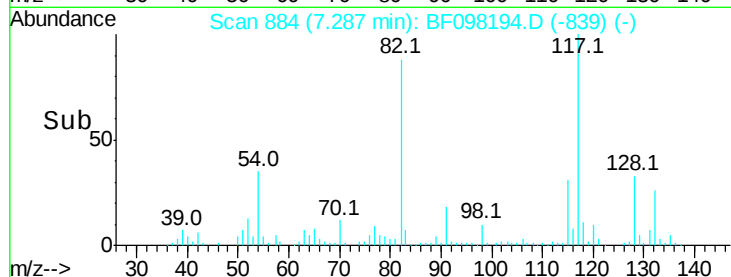
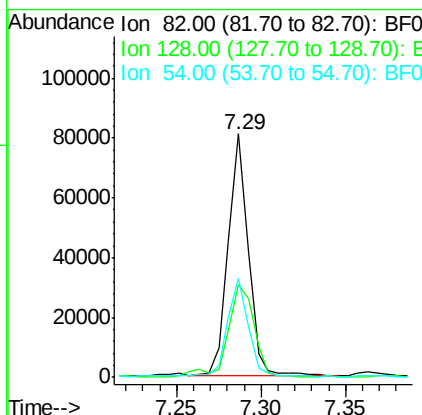
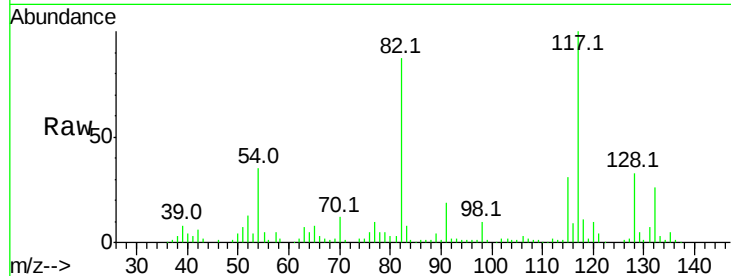




#23
 Nitrobenzene-d5
 Concen: 8.933 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.04 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

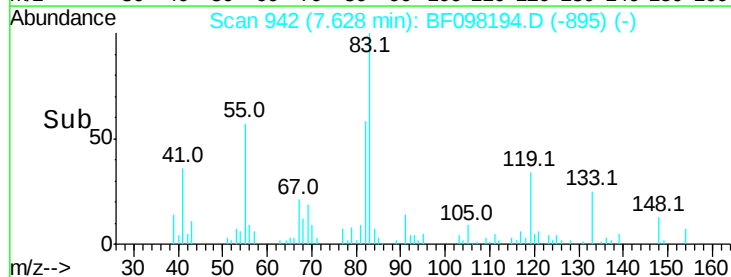
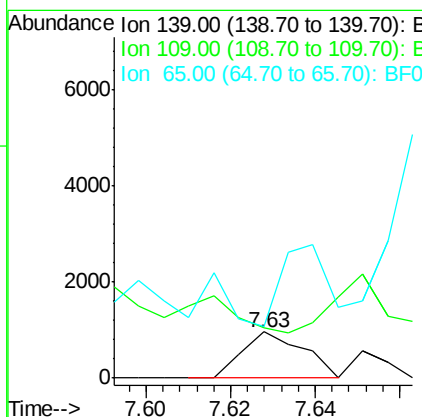
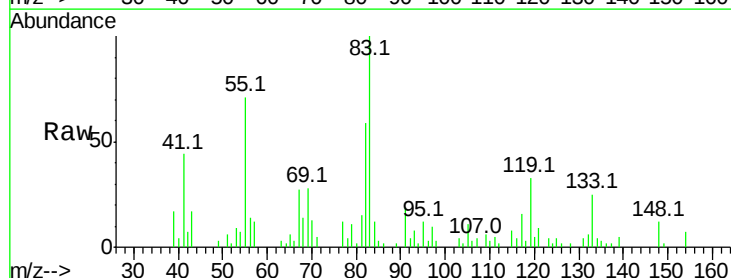
Instrument :
 BNA_F
 ClientSampleId :

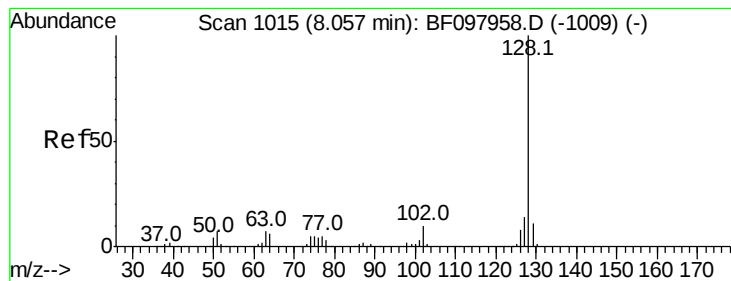
Tot Ion: 82 Resp: 66697
 Ion Ratio Lower Upper
 82 100
 128 38.0 34.0 51.0
 54 40.4 42.2 63.2#



#26
 2-Nitrophenol
 Concen: 5.542 ng
 RT: 7.63 min Scan# 942
 Delta R.T. -0.02 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

Tgt Ion:139 Resp: 960
 Ion Ratio Lower Upper
 139 100
 109 109.5 21.0 31.6#
 65 112.4 33.0 49.6#





#31

Naphthalene

Concen: 139.147 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampleId :

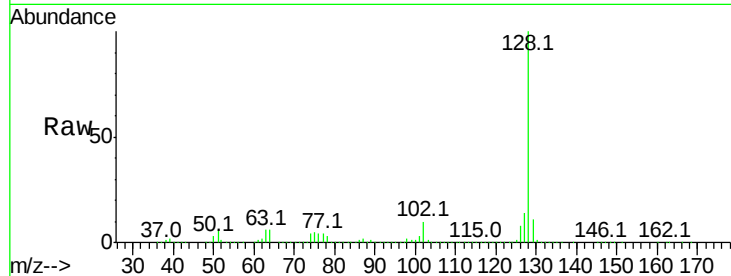
Tot Ion:128 Resp: 2930086

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

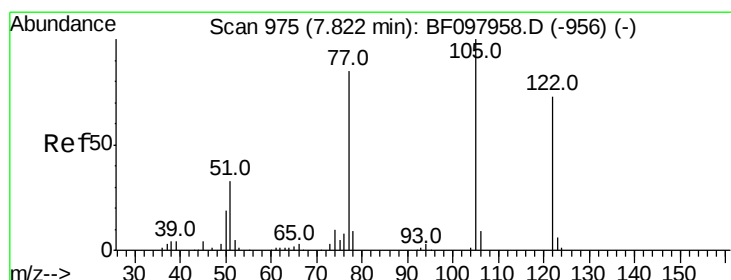
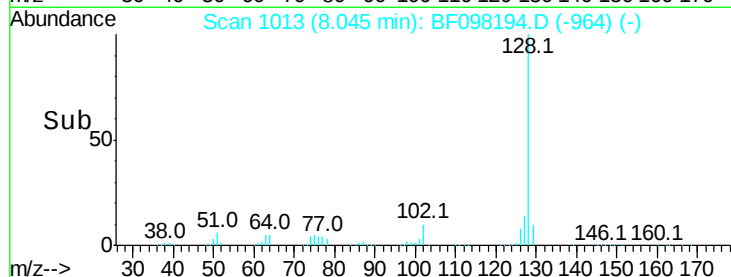
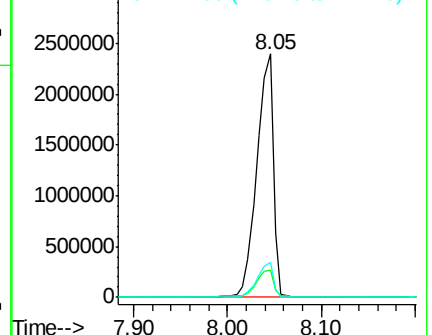
127 14.3 10.8 16.2



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: 8.088 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.03 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

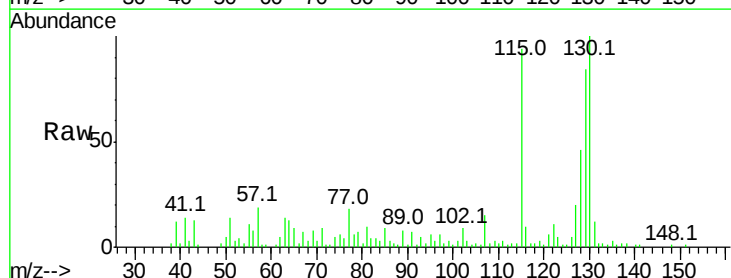
Tgt Ion:122 Resp: 9165

Ion Ratio Lower Upper

122 100

105 15.5 103.3 143.3#

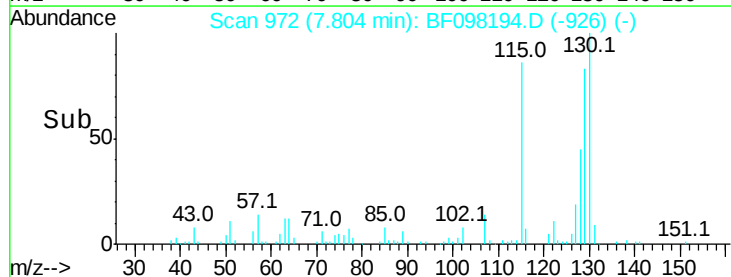
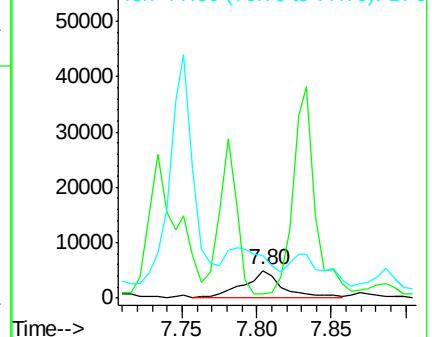
77 156.0 73.7 113.7#

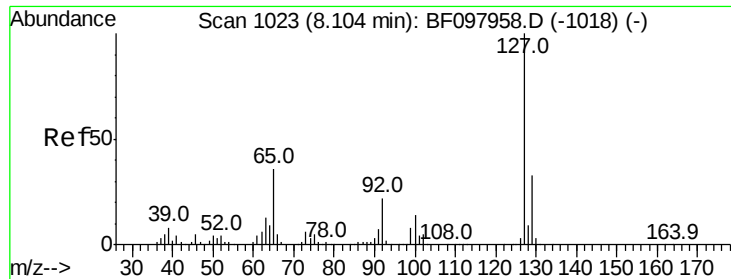


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

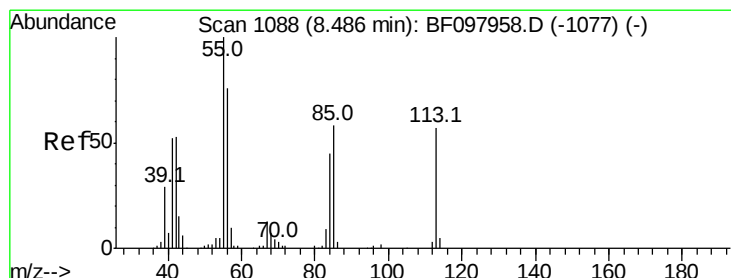
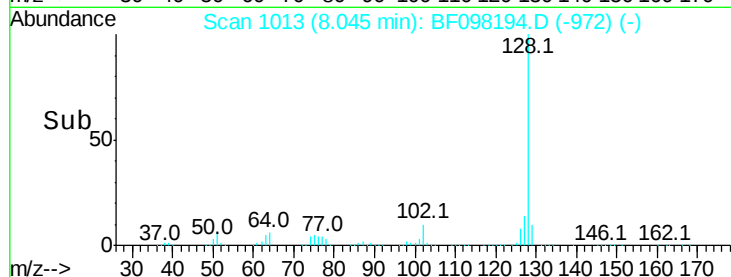
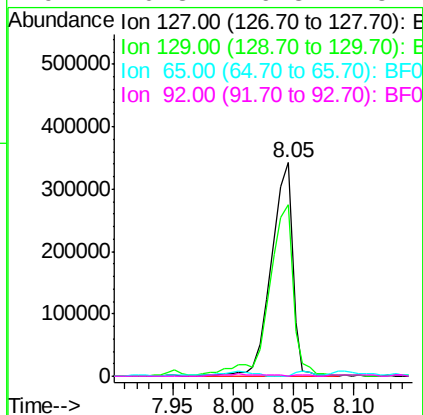
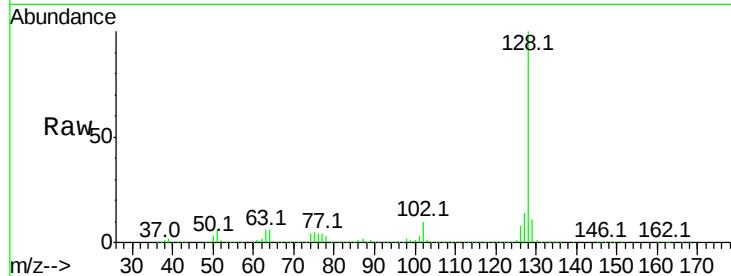




#33
4-Chloroaniline
Concen: 47.028 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.06 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

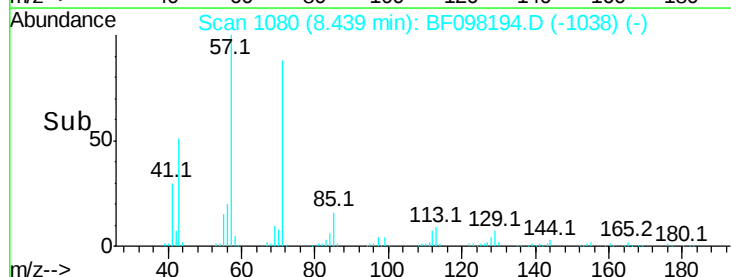
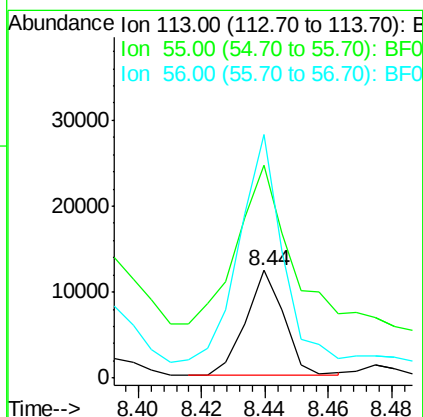
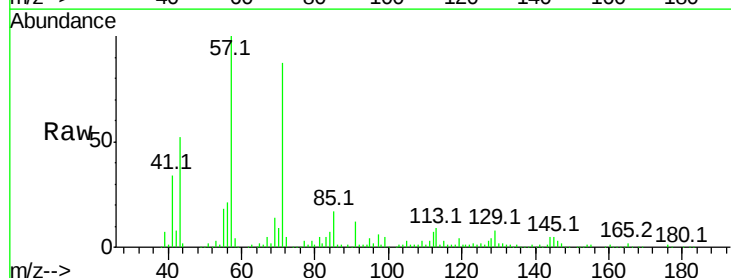
Instrument :
BNA_F
ClientSampleId :

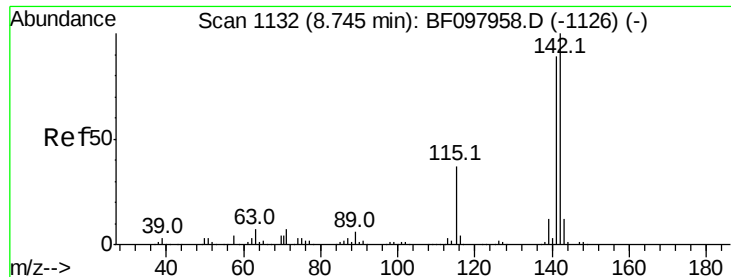
Tot Ion:127 Resp: 417640
Ion Ratio Lower Upper
127 100
129 80.2 26.2 39.2#
65 0.0 27.8 41.8#
92 0.3 16.8 25.2#



#35
Caprolactam
Concen: 5.628 ng
RT: 8.44 min Scan# 1080
Delta R.T. -0.05 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:113 Resp: 10283
Ion Ratio Lower Upper
113 100
55 196.9 150.2 190.2#
56 225.7 107.8 147.8#



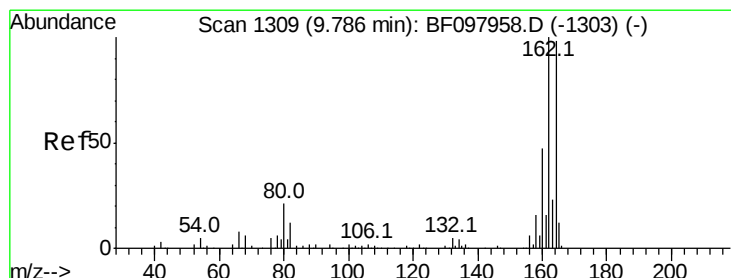
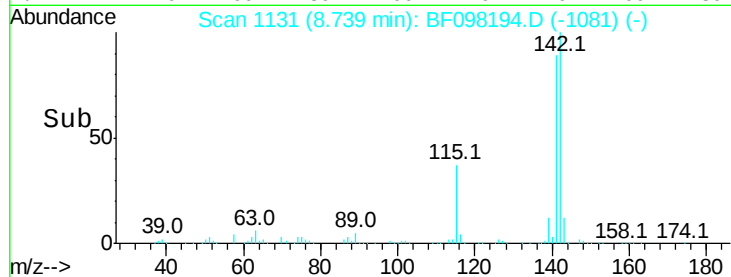
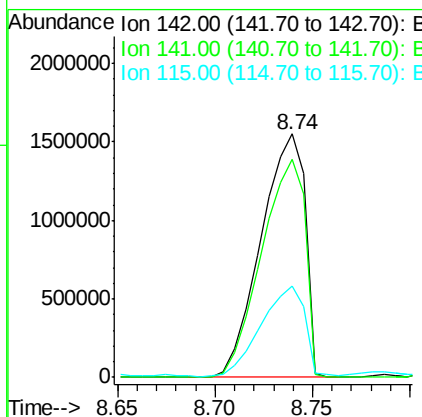
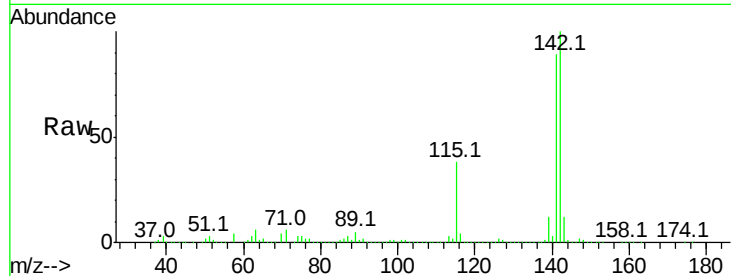


#37
 2-Methylnaphthalene
 Concen: 187.748 ng
 RT: 8.74 min Scan# 1131
 Delta R.T. -0.01 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 2423852

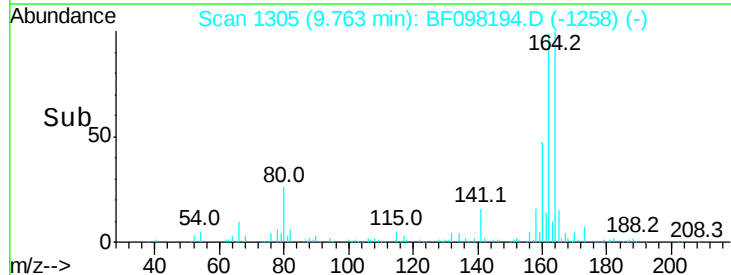
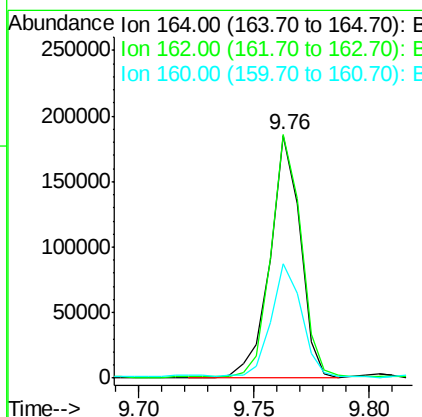
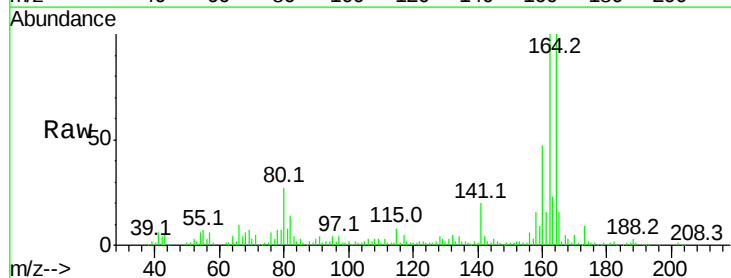
Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.3	106.9
115	37.5	27.1	40.7

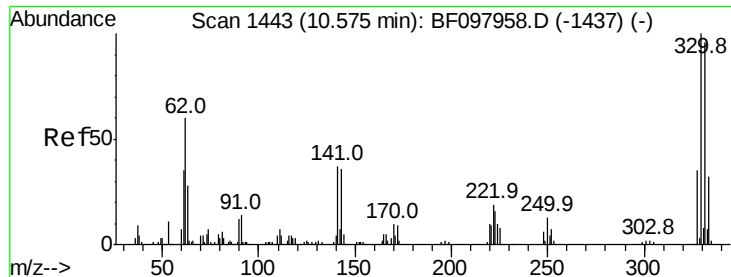


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.02 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

Tgt Ion:164 Resp: 169879

Ion	Ratio	Lower	Upper
164	100		
162	100.3	82.6	123.8
160	47.2	36.2	54.2

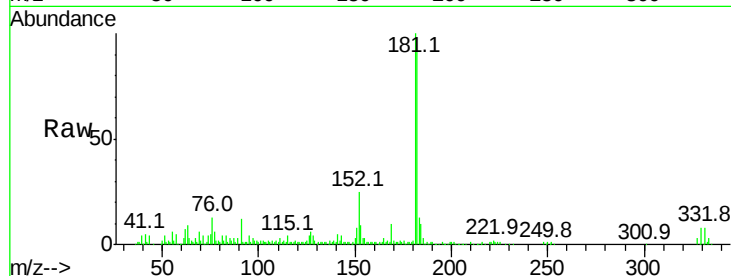




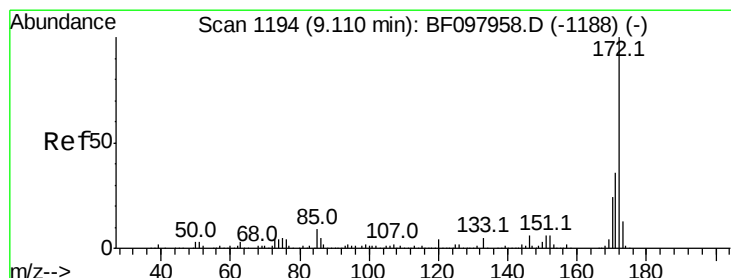
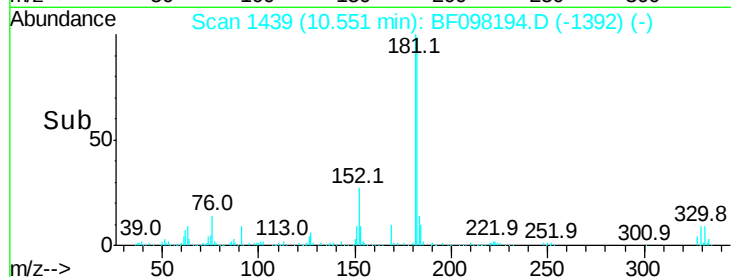
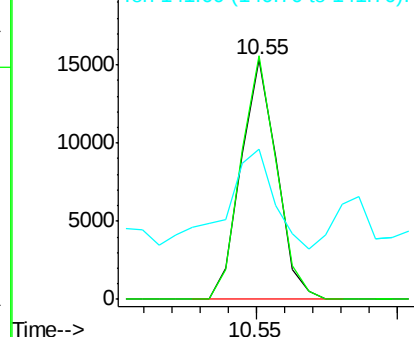
#41
 2,4,6-Tribromophenol
 Concen: 9.183 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 13535
 Ion Ratio Lower Upper
 330 100
 332 101.0 76.6 115.0
 141 56.5 31.4 47.2#

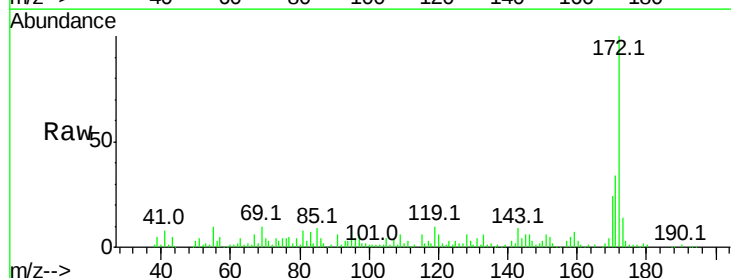


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

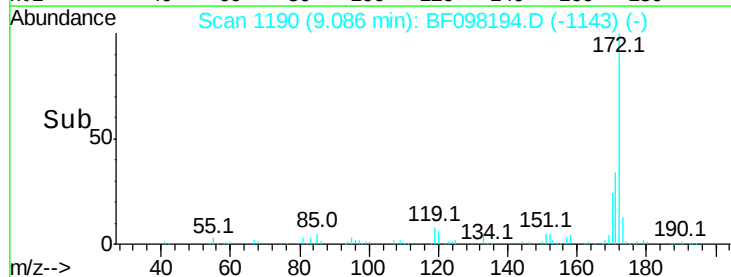
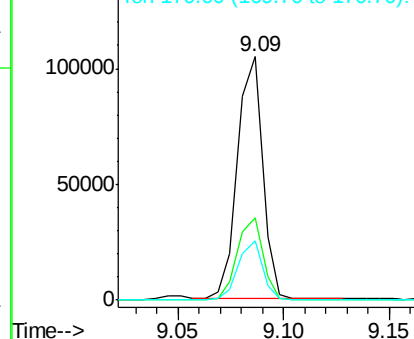


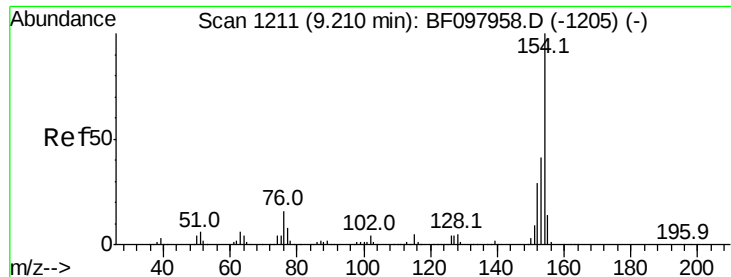
#44
 2-Fluorobiphenyl
 Concen: 7.482 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

Tgt Ion:172 Resp: 86516
 Ion Ratio Lower Upper
 172 100
 171 34.0 29.6 44.4
 170 24.3 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: 46.926 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampleId :

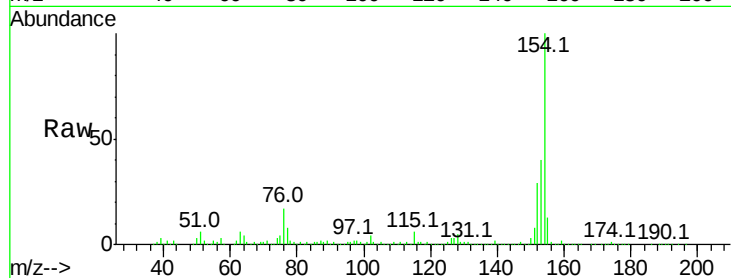
Tot Ion:154 Resp: 726948

Ion Ratio Lower Upper

154 100

153 40.1 21.2 61.2

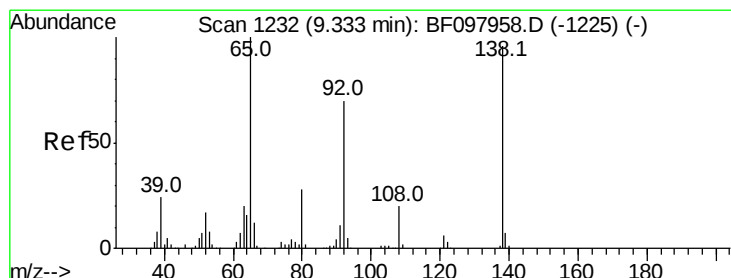
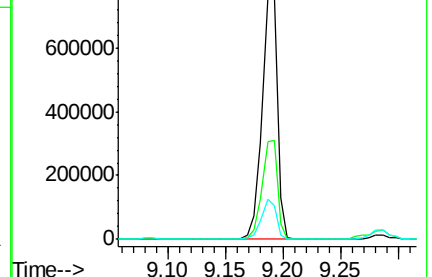
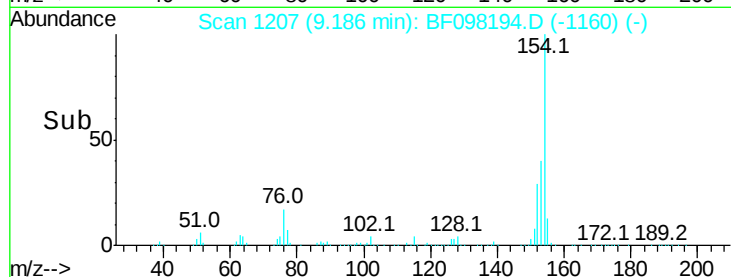
76 16.6 0.0 29.9



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



#47

2-Nitroaniline

Concen: 2.593 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.05 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

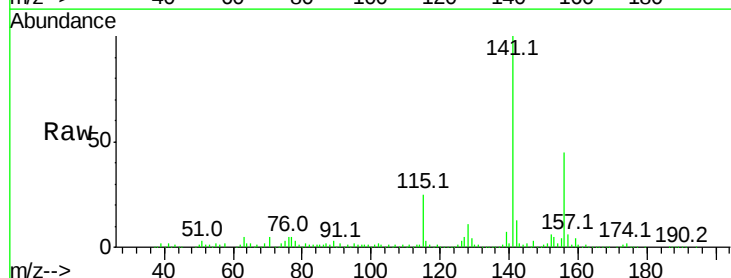
Tgt Ion: 65 Resp: 9949

Ion Ratio Lower Upper

65 100

92 22.0 53.9 80.9#

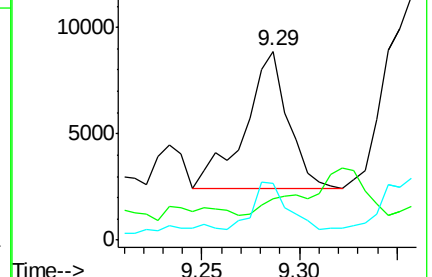
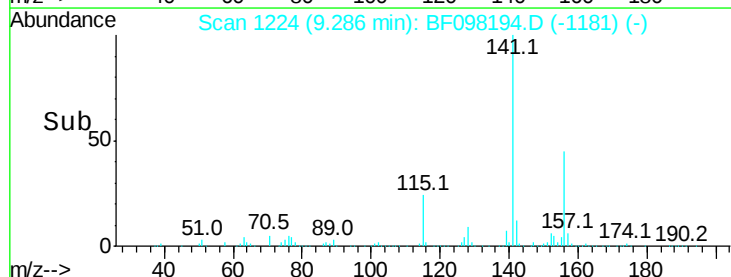
138 29.9 78.8 118.2#

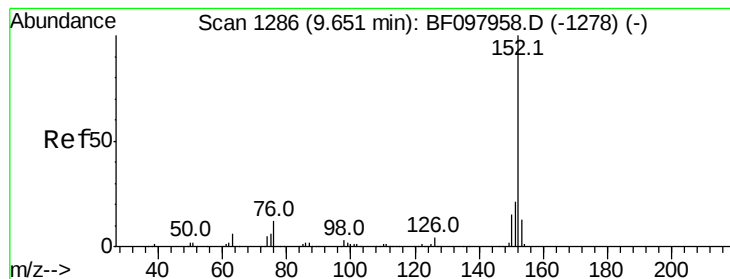


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 2.589 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.03 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampleId :

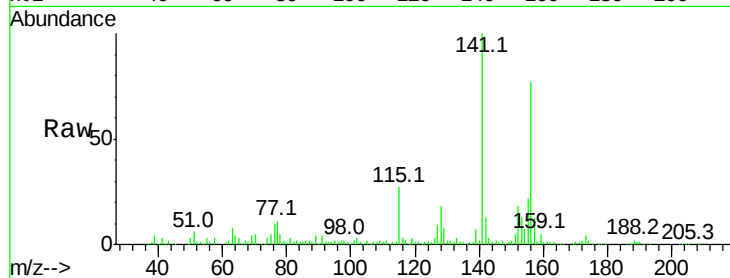
Tot Ion:152 Resp: 46540

Ion Ratio Lower Upper

152 100

151 28.0 16.8 25.2#

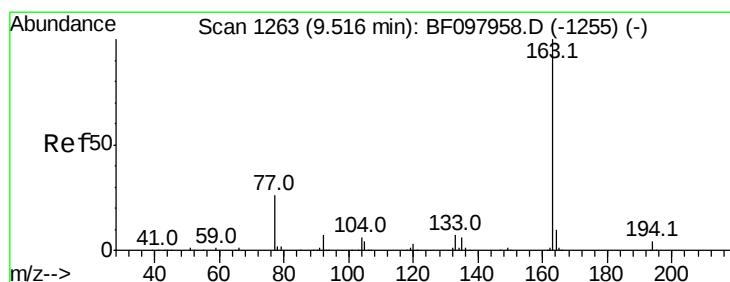
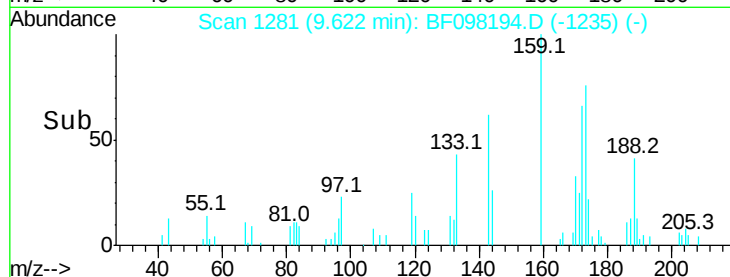
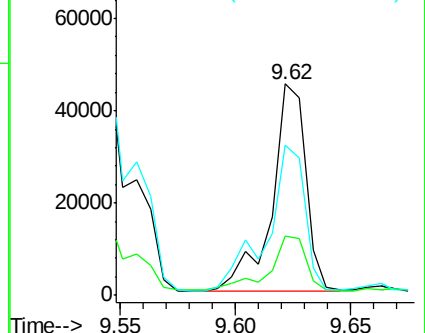
153 71.1 10.8 16.2#



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: 2.503 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

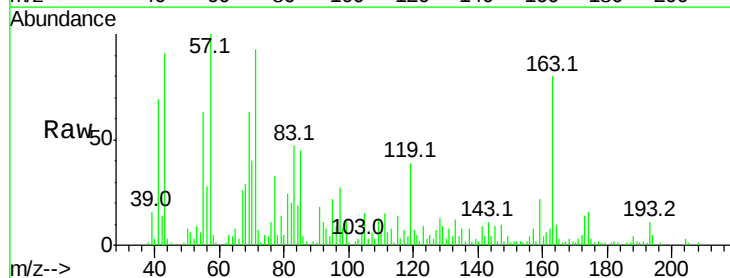
Tgt Ion:163 Resp: 31078

Ion Ratio Lower Upper

163 100

194 6.0 2.6 4.0#

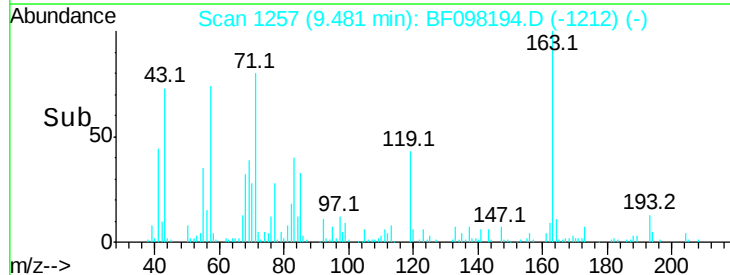
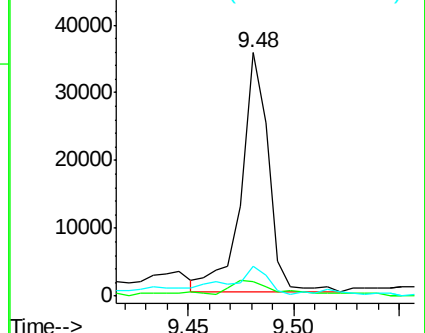
164 12.4 8.4 12.6

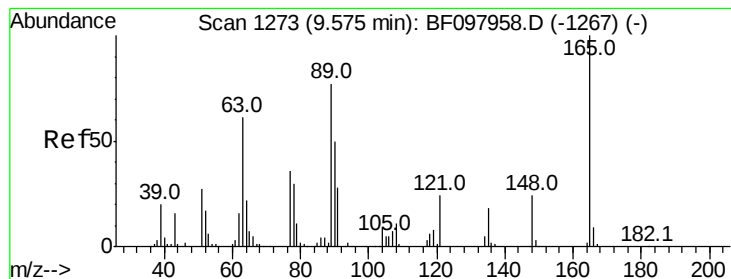


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 4.423 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.12 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampleId :

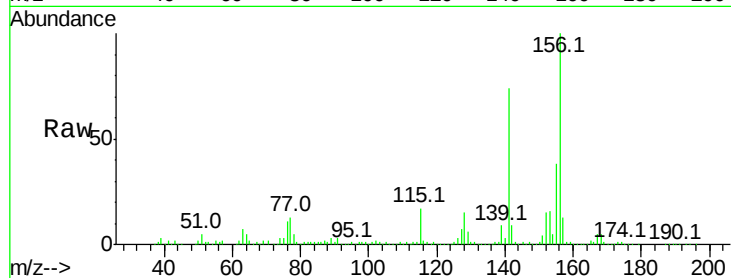
Tot Ion:165 Resp: 10963

Ion Ratio Lower Upper

165 100

63 373.6 34.3 51.5#

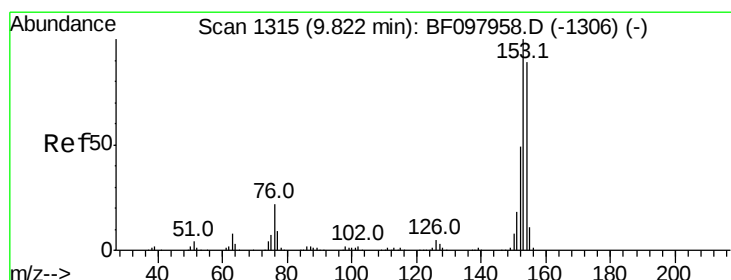
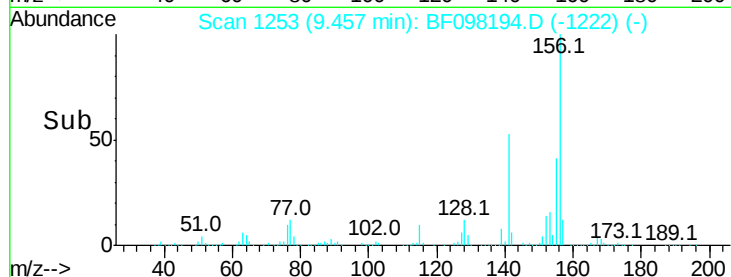
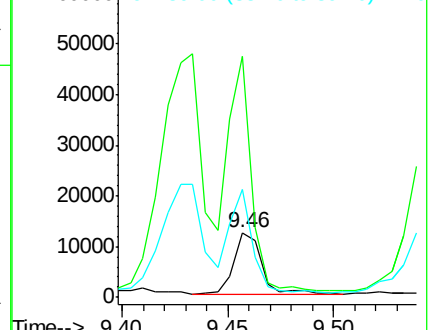
89 166.6 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51

Acenaphthene

Concen: 80.285 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

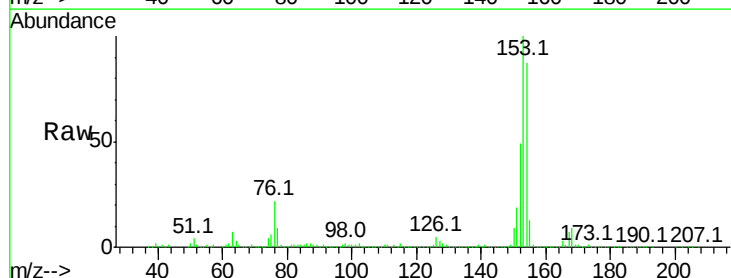
Tgt Ion:154 Resp: 910134

Ion Ratio Lower Upper

154 100

153 115.5 90.5 135.7

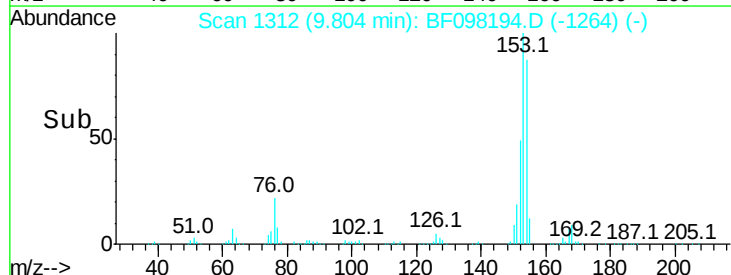
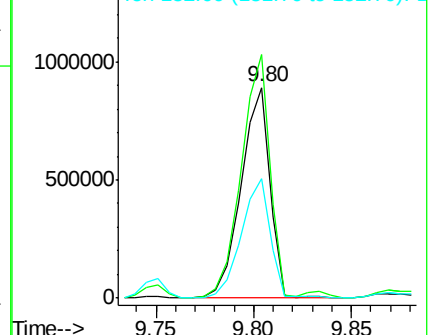
152 56.9 43.6 65.4

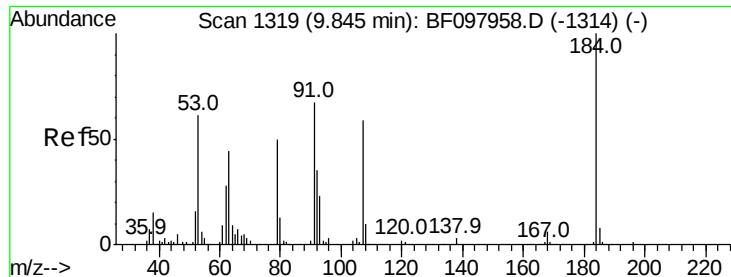


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

2,4-Dinitrophenol

Concen: 11.602 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.21 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampleId :

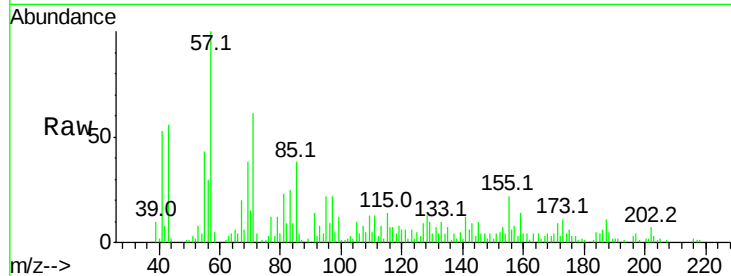
Tot Ion:184 Resp: 1971

Ion Ratio Lower Upper

184 100

63 65.6 62.7 94.1

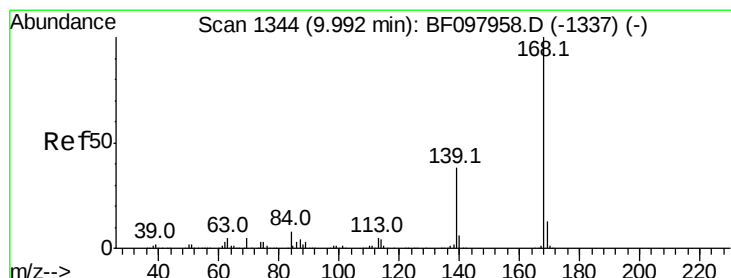
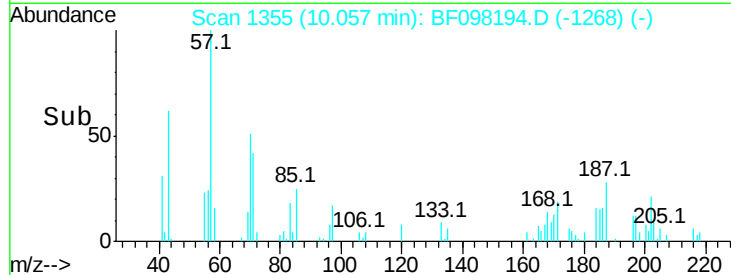
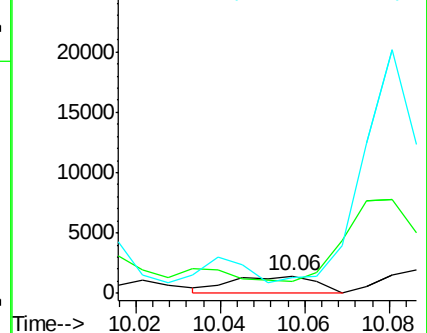
154 87.1 81.1 121.7



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: 68.458 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

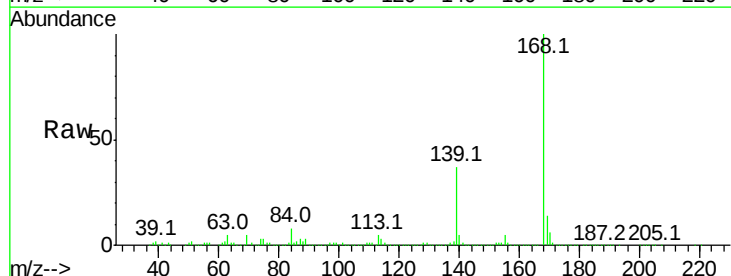
Tgt Ion:168 Resp: 1040098

Ion Ratio Lower Upper

168 100

139 36.8 30.6 45.8

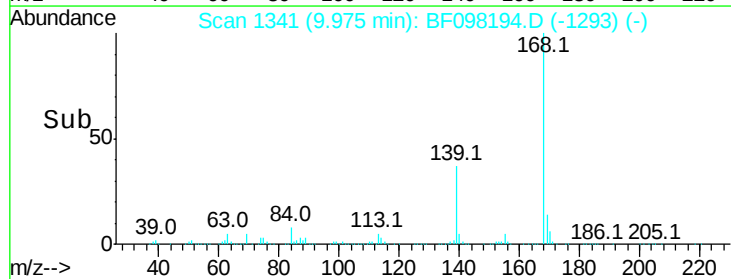
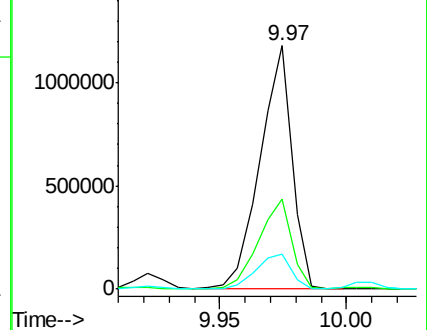
169 14.1 10.8 16.2

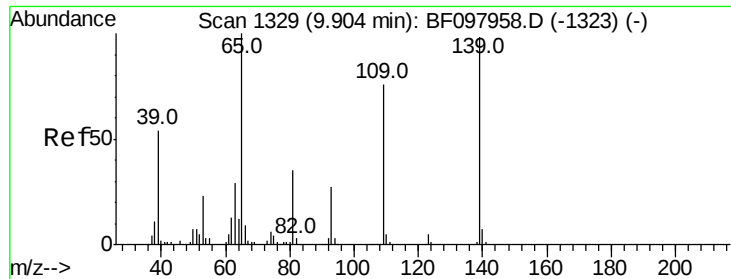


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 7.063 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.03 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampleId :

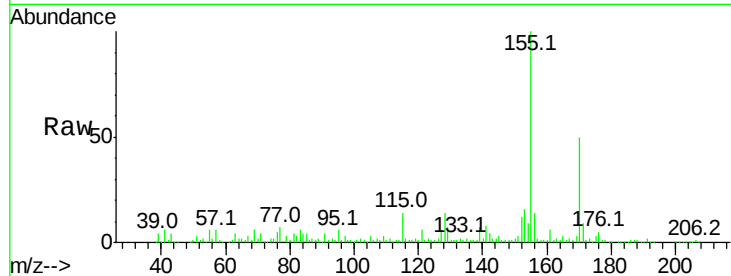
Tot Ion:139 Resp: 18017

Ion Ratio Lower Upper

139 100

109 49.3 34.1 74.1

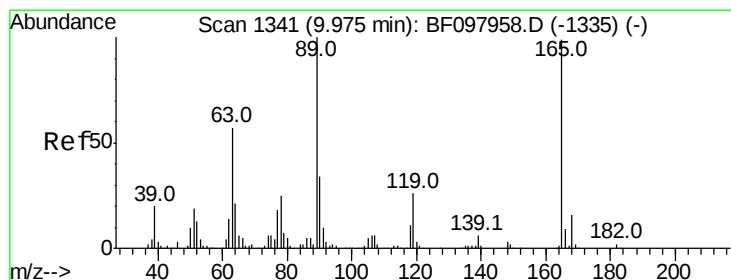
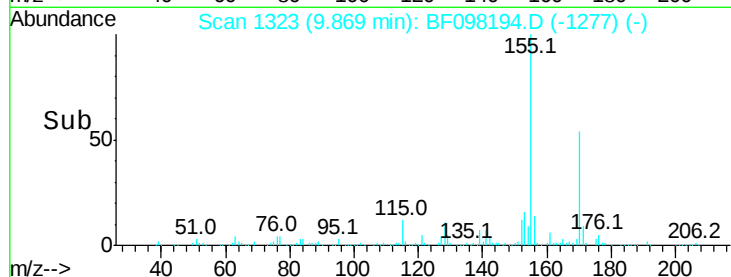
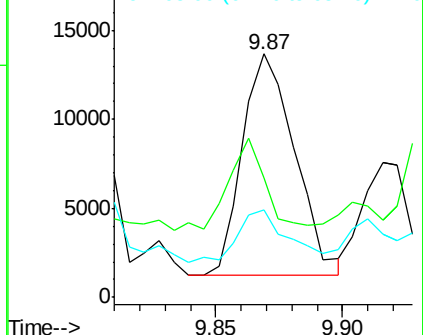
65 35.8 31.4 71.4



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 2.606 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Tgt Ion:165 Resp: 8106

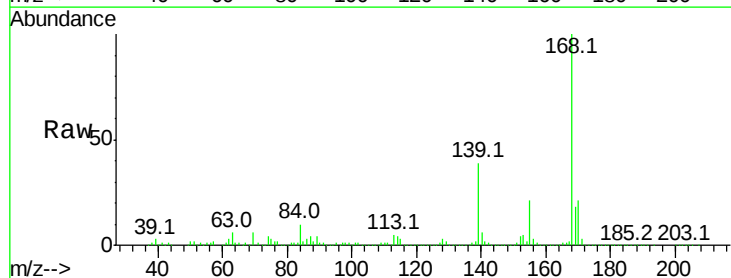
Ion Ratio Lower Upper

165 100

63 460.5 25.4 38.0#

89 284.2 46.4 69.6#

182 23.3 1.8 2.6#

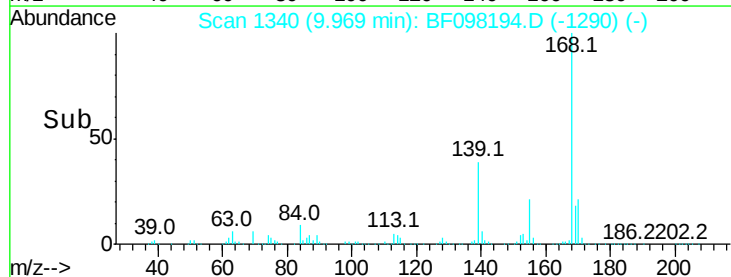
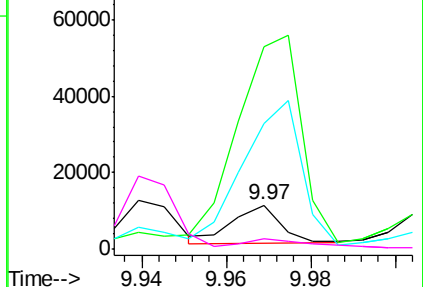


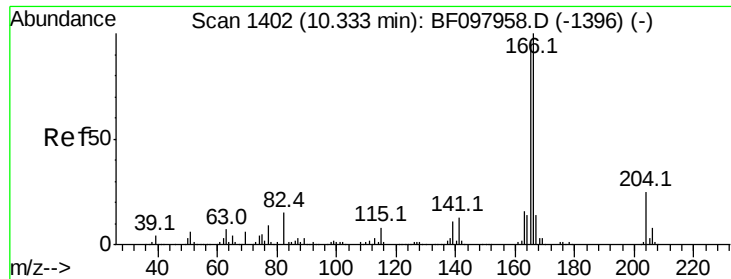
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 63.047 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampleId :

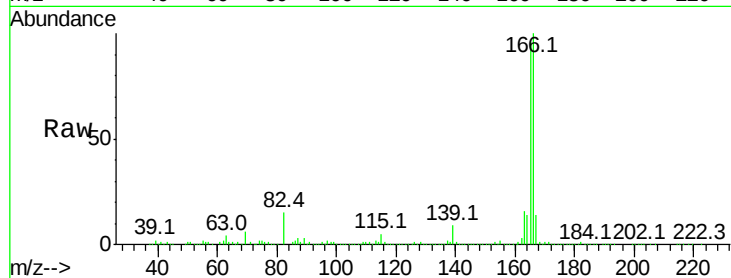
Tot Ion:166 Resp: 740584

Ion Ratio Lower Upper

166 100

165 95.7 78.8 118.2

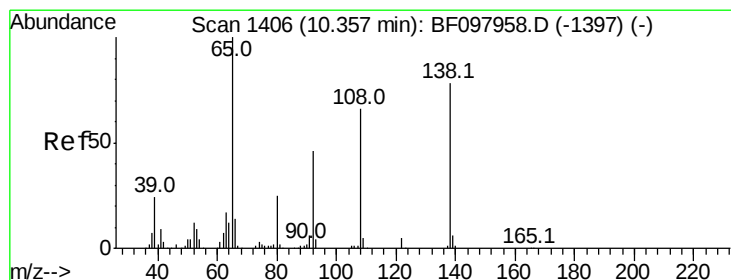
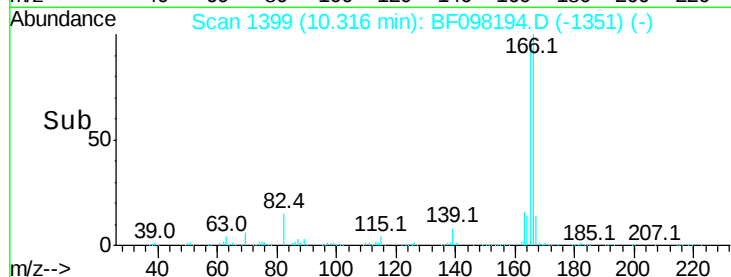
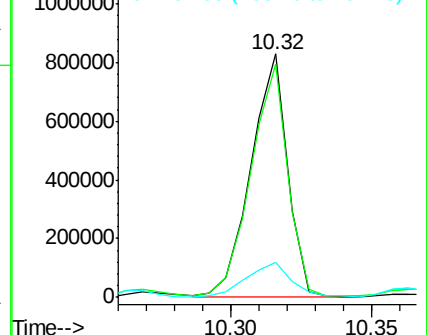
167 14.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#61

4-Nitroaniline

Concen: 2.846 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.04 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

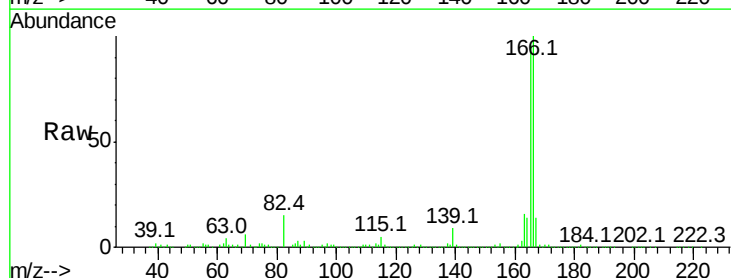
Tgt Ion:138 Resp: 8649

Ion Ratio Lower Upper

138 100

92 13.2 21.8 61.8#

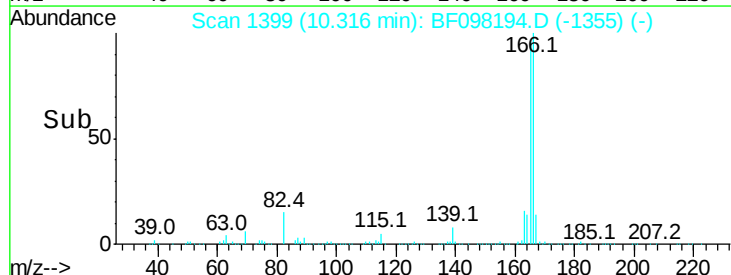
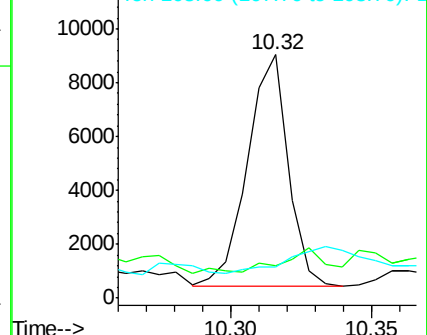
108 12.9 42.3 82.3#

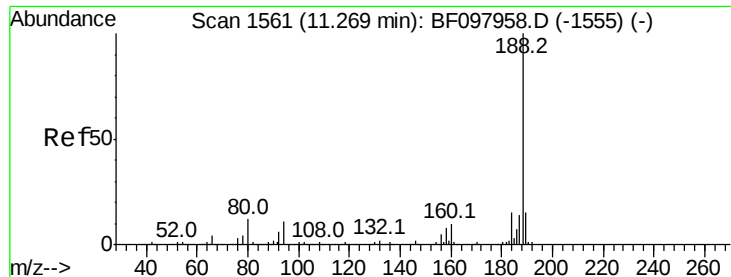


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampleId :

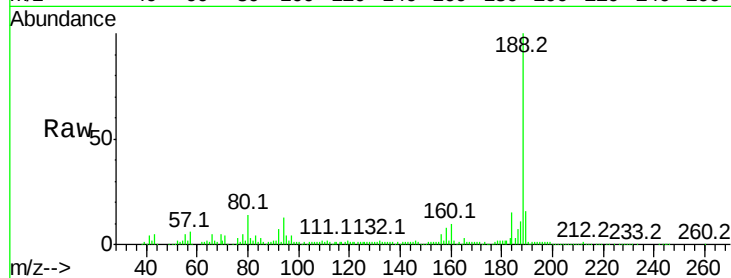
Tot Ion:188 Resp: 279639

Ion Ratio Lower Upper

188 100

94 13.1 9.4 14.2

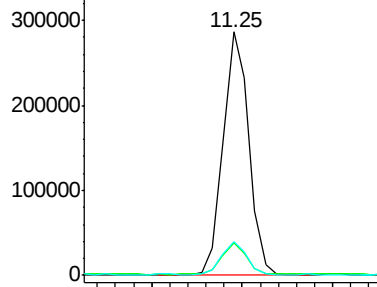
80 13.7 10.2 15.2



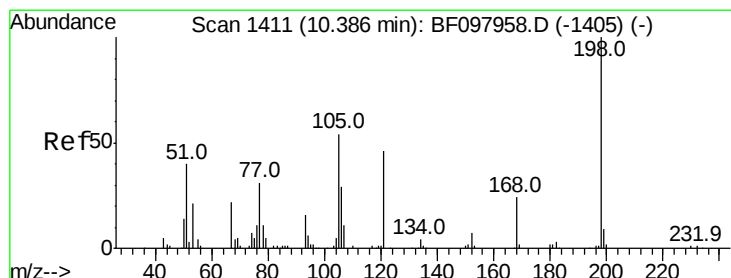
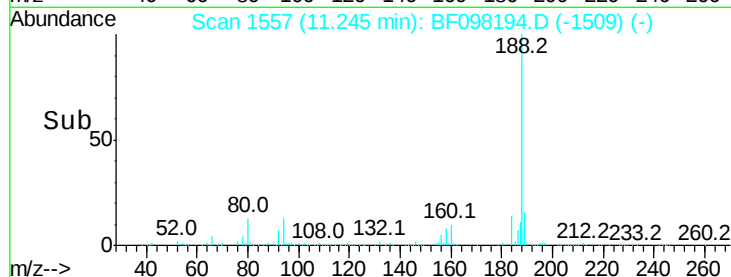
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 9.494 ng

RT: 10.38 min Scan# 1410

Delta R.T. 0.00 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

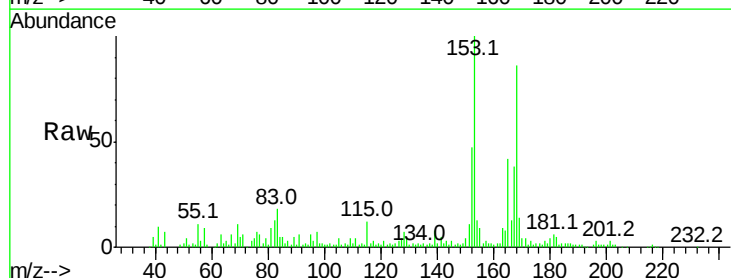
Tgt Ion:198 Resp: 1870

Ion Ratio Lower Upper

198 100

51 505.9 53.2 93.2#

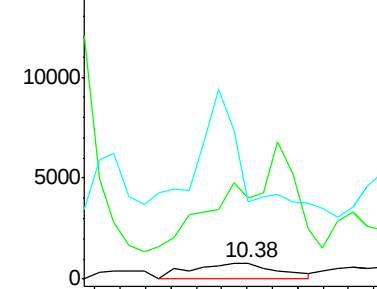
105 483.1 45.8 85.8#



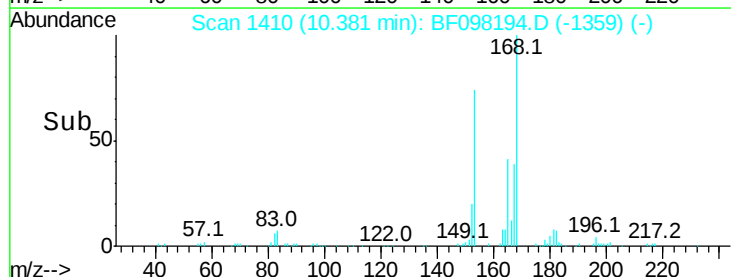
Abundance Ion 198.00 (197.70 to 198.70): E

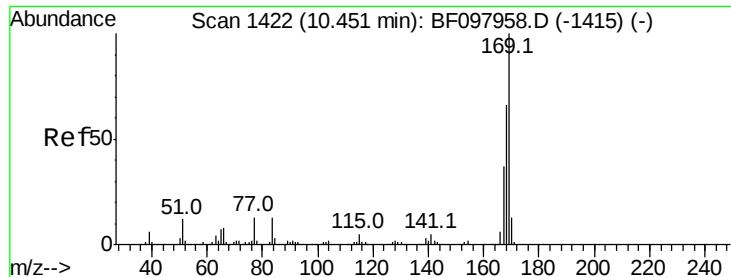
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time-->

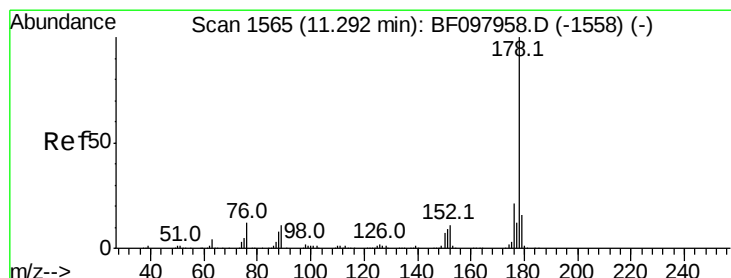
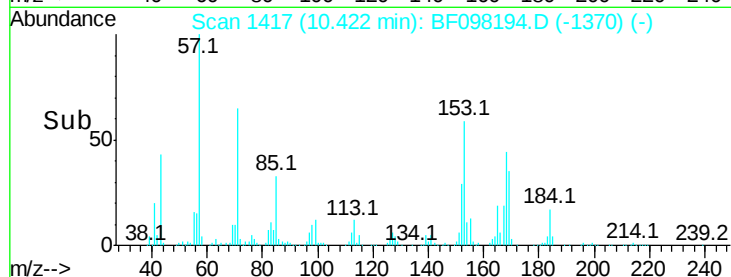
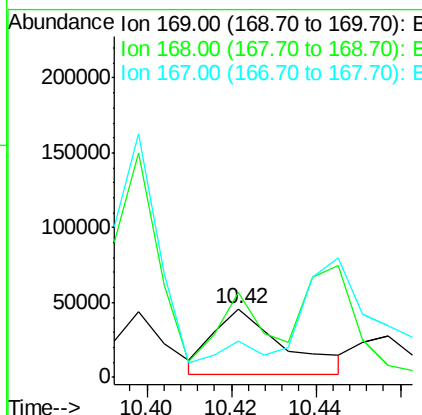
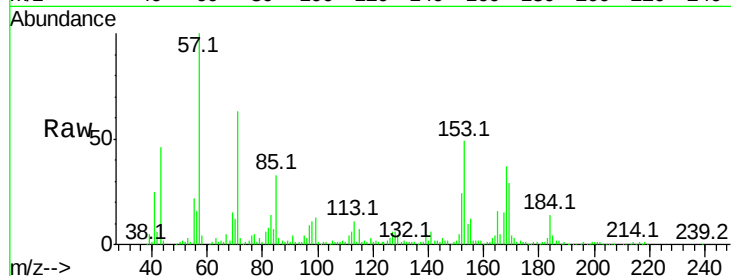




#65
n-Nitrosodiphenylamine
Concen: 5.304 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

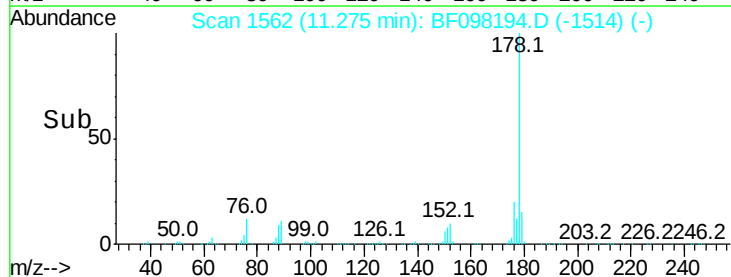
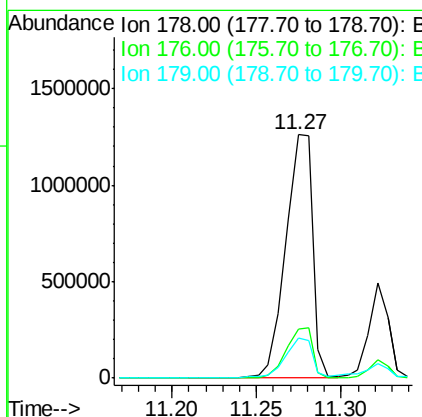
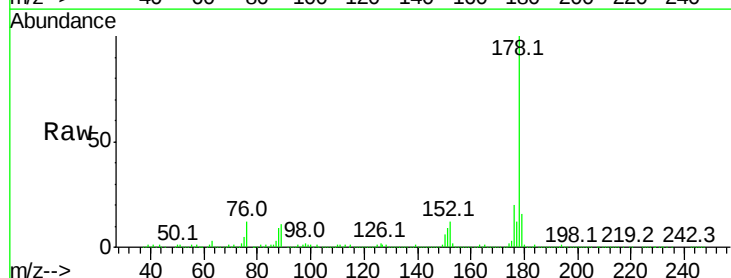
Instrument :
BNA_F
ClientSampleId :

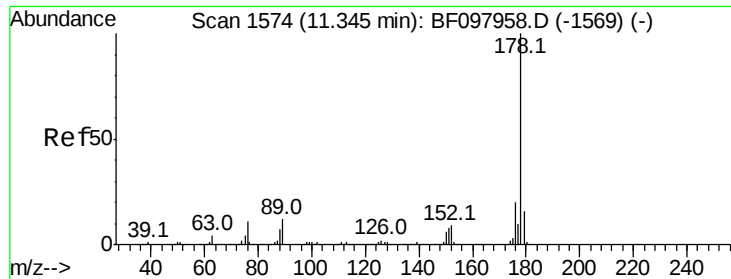
Tot Ion:169 Resp: 50506
Ion Ratio Lower Upper
169 100
168 124.1 53.2 79.8#
167 52.6 29.5 44.3#



#70
Phenanthrene
Concen: 93.155 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion:178 Resp: 1388117
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 16.2 12.6 19.0

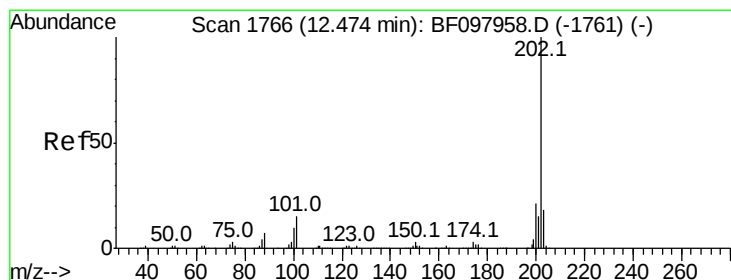
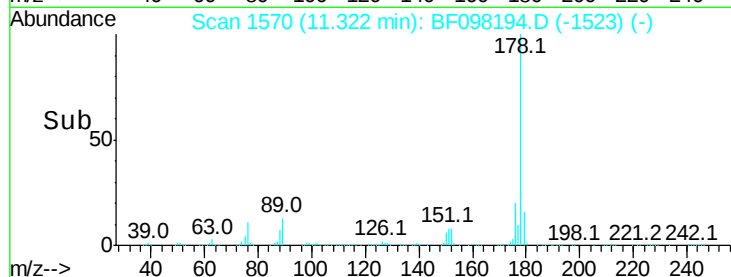
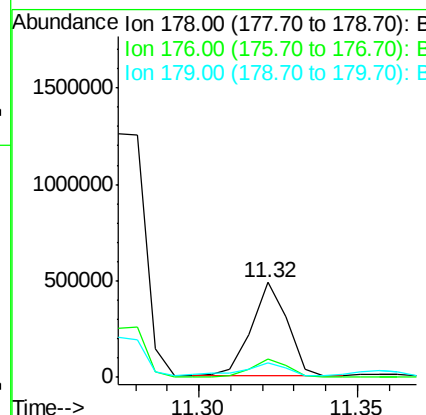
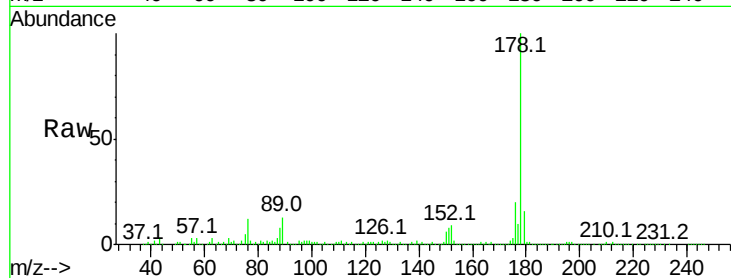




#71
 Anthracene
 Concen: 25.072 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

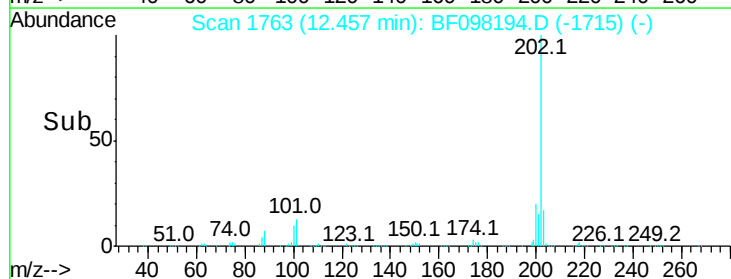
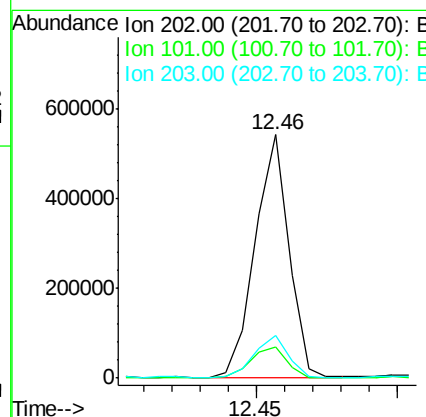
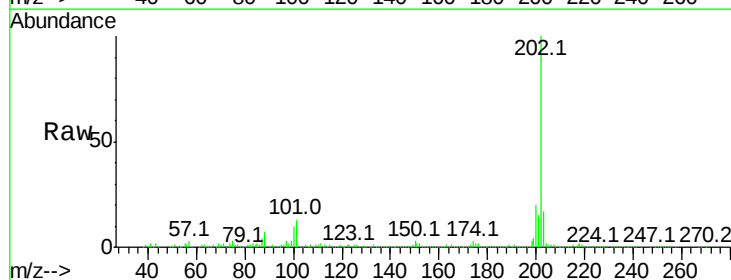
Instrument :
 BNA_F
 ClientSampleId :

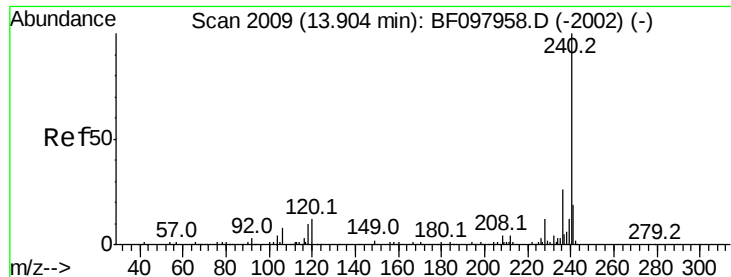
Tot Ion:178 Resp: 378931
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.8 23.8
 179 16.0 12.7 19.1



#74
 Fluoranthene
 Concen: 28.834 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. -0.02 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

Tgt Ion:202 Resp: 448471
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 33.2
 203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampleId :

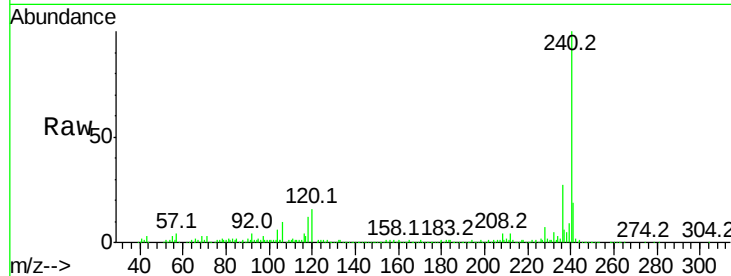
Tot Ion:240 Resp: 244649

Ion Ratio Lower Upper

240 100

120 15.7 5.8 8.8#

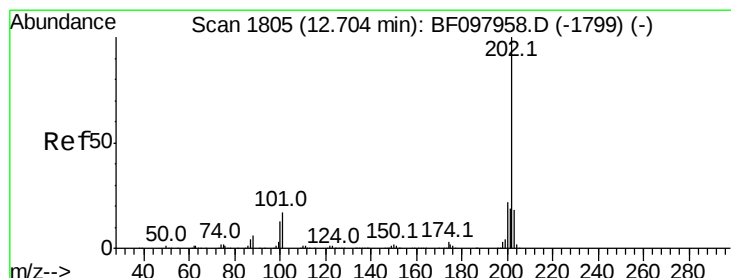
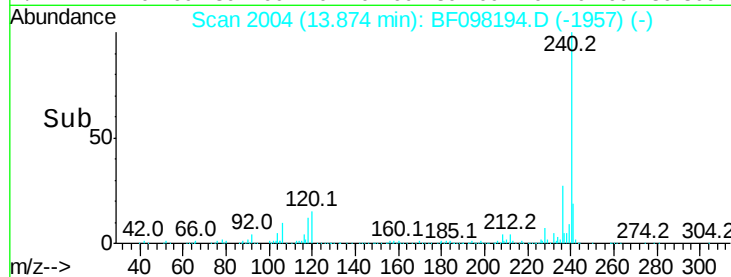
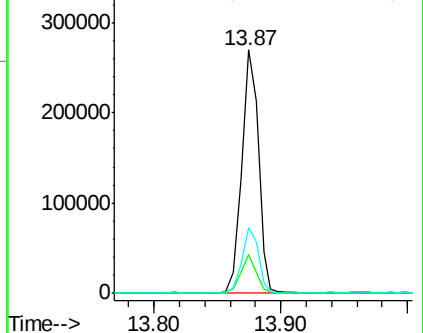
236 26.8 20.5 30.7



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: 17.580 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

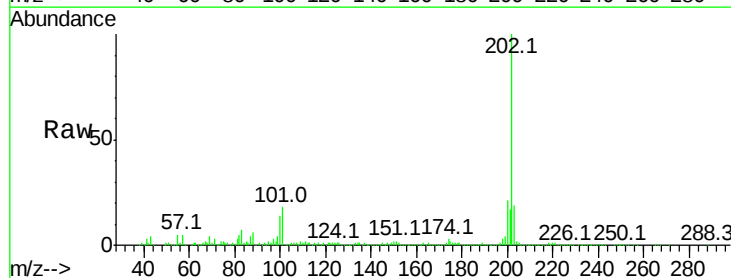
Tgt Ion:202 Resp: 351774

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

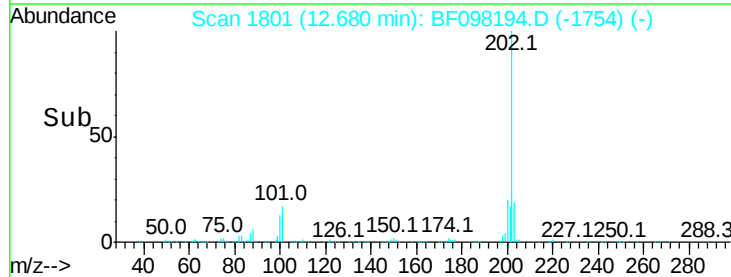
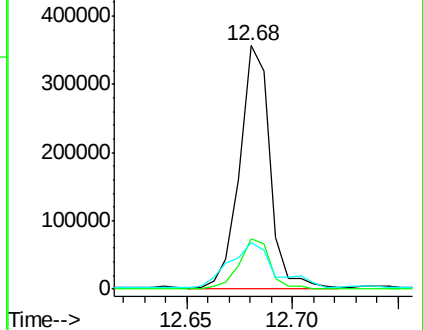
203 19.3 14.4 21.6

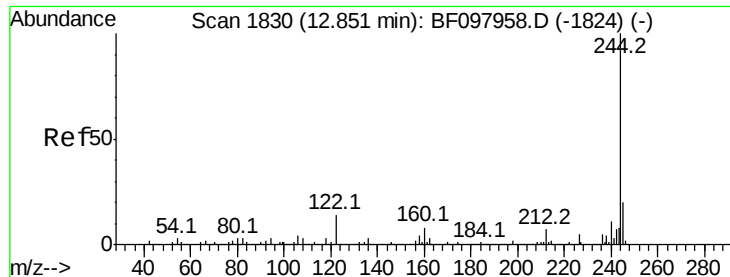


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5.702 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampled :

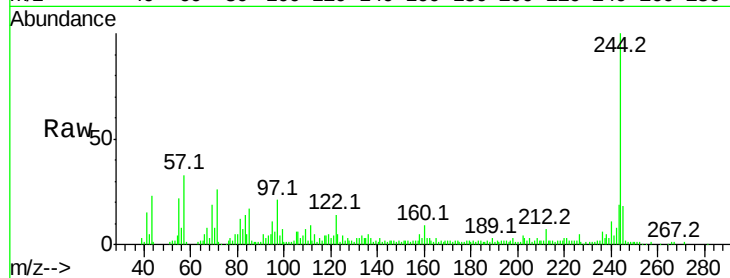
Tot Ion:244 Resp: 66897

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

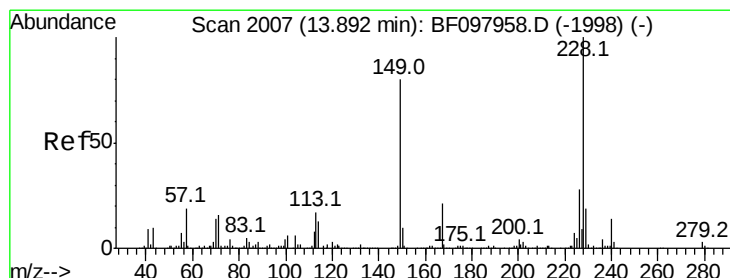
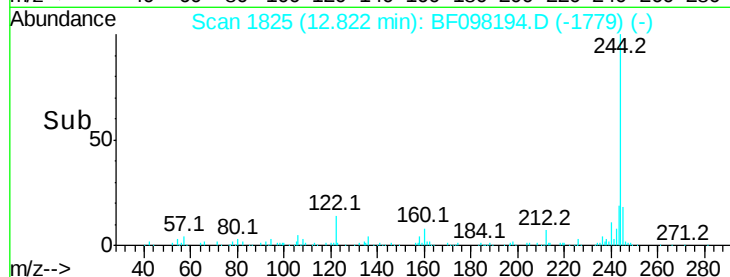
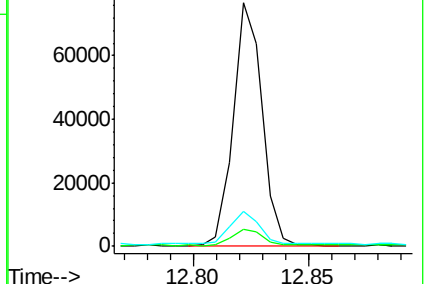
122 14.4 10.3 15.5



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: 3.414 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

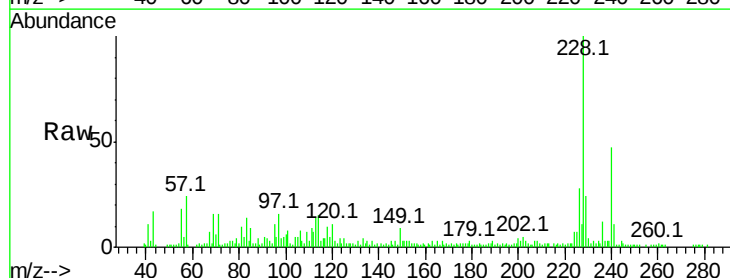
Tgt Ion:228 Resp: 50053

Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

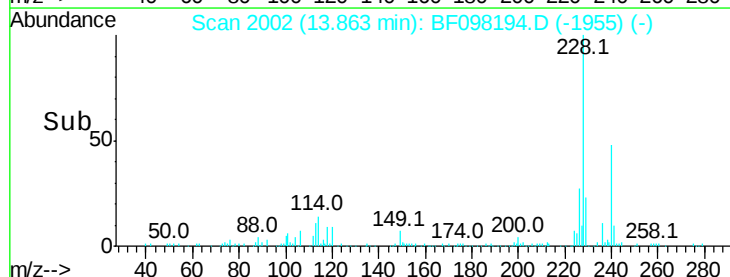
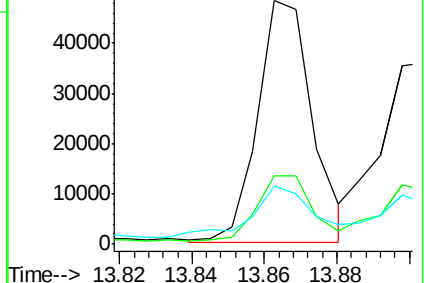
229 23.9 16.3 24.5

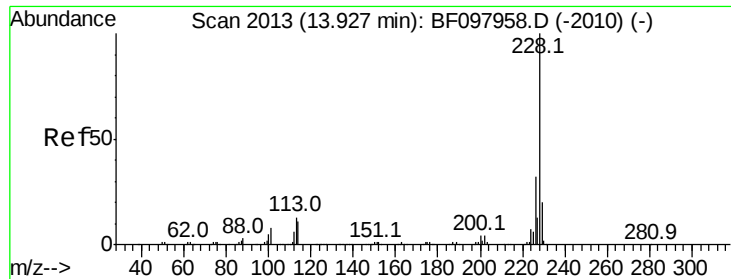


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.768 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampleId :

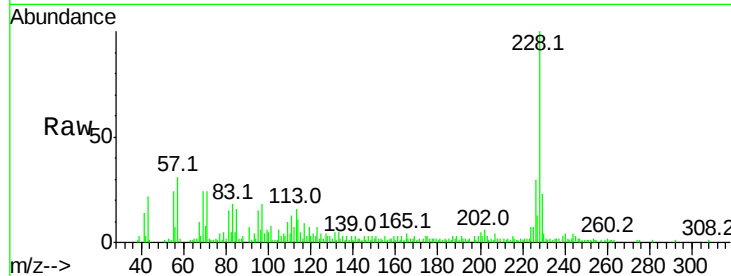
Tot Ion:228 Resp: 40381

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

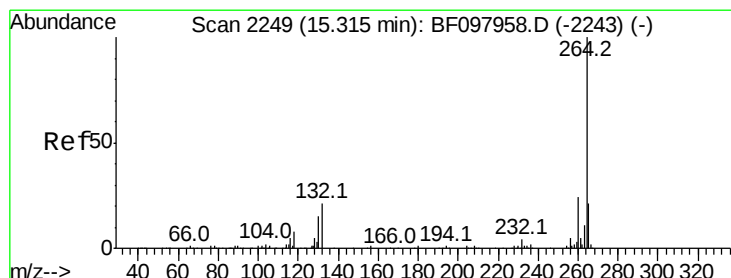
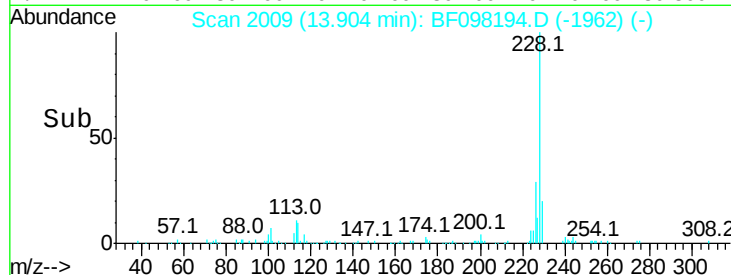
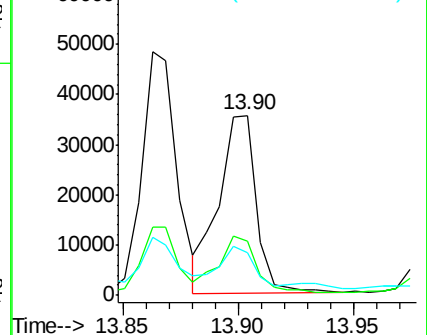
229 23.3 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

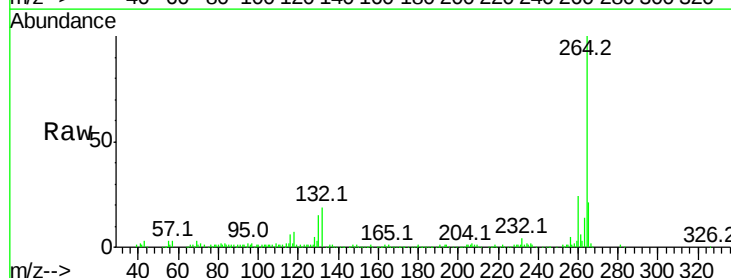
Tgt Ion:264 Resp: 167395

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

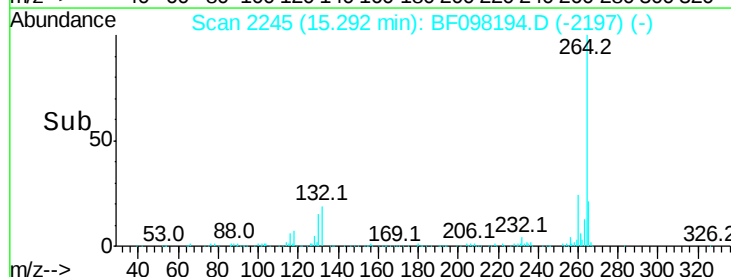
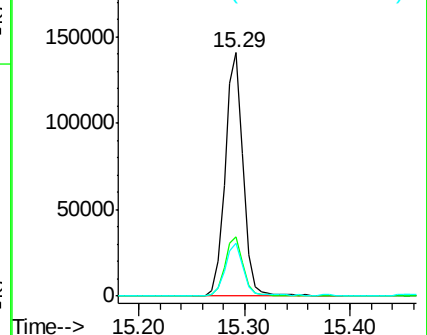
265 21.5 17.2 25.8

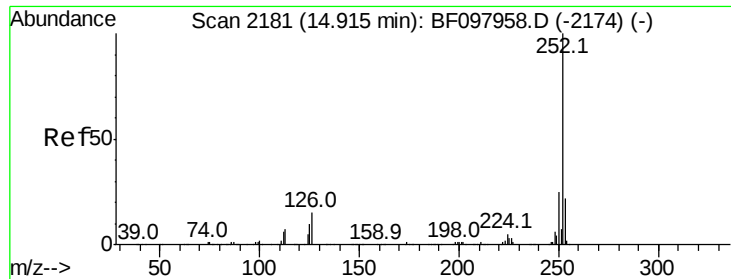


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

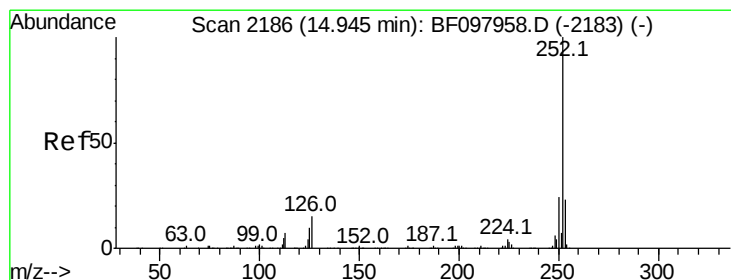
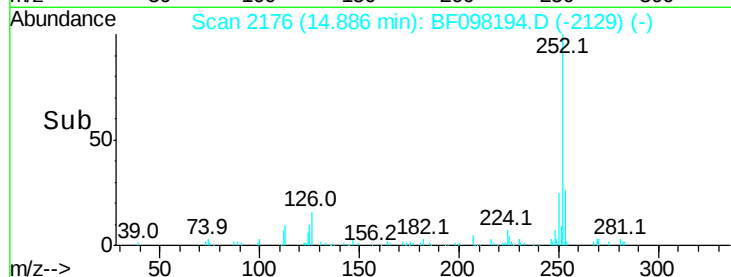
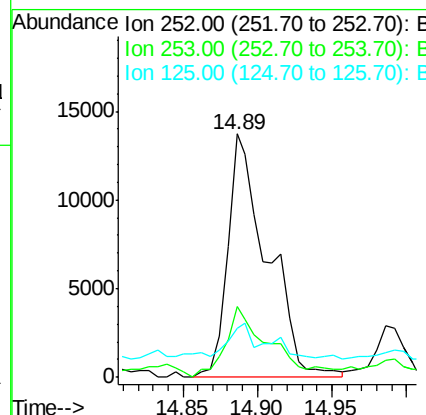
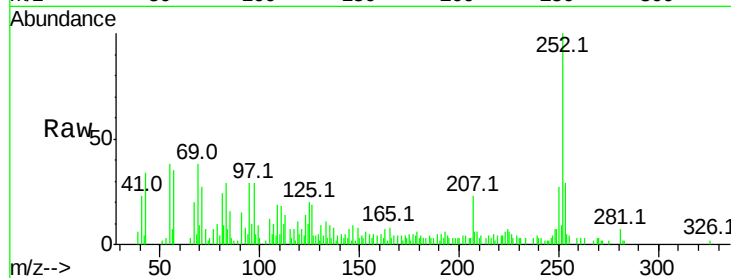




#87
Benzo(b)fluoranthene
Concen: 2.416 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.1	27.1#
125	20.1	9.8	14.8#



#88
Benzo(k)fluoranthene
Concen: 2.571 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.05 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.4	27.6#
125	20.1	13.1	19.7#

