

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF094993.D
 Acq On : 8 May 2017 22:13
 Operator : SJ/MA
 Sample : I2859-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 01:51:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	86778	20.00	ng	-0.01
21) Naphthalene-d8	9.75	136	289823	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	154983	20.00	ng	0.01
63) Phenanthrene-d10	14.98	188	238440	20.00	ng	0.00
75) Chrysene-d12	18.64	240	205835	20.00	ng	-0.02
86) Perylene-d12	20.30	264	182427	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	708666	136.15	ng	-0.02
7) Phenol-d6	7.25	99	876881	140.41	ng	-0.02
23) Nitrobenzene-d5	8.62	82	515297	112.12	ng	-0.02
41) 2,4,6-Tribromophenol	13.89	330	165350	130.27	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	843529	78.34	ng	0.00
78) Terphenyl-d14	17.30	244	811064	86.79	ng	-0.01

Target Compounds						Qvalue
10) Phenol	7.27	94	17349	2.64	ng	# 70
18) Hexachloroethane	8.52	117	11182	4.84	ng	# 1
19) n-Nitroso-di-n-propylamine	8.40	70	33846	8.01	ng	# 70
22) Acetophenone	8.36	105	131365	18.89	ng	# 48
25) Isophorone	8.99	82	113644	13.85	ng	# 1
29) 2,4-Dichlorophenol	9.57	162	15049	3.79	ng	# 15
31) Naphthalene	9.78	128	175686	12.06	ng	# 81
32) Benzoic acid	9.62	122	10101	8.36	ng	# 23
33) 4-Chloroaniline	9.92	127	11370	2.09	ng	# 1
35) Caprolactam	10.49	113	29433	24.70	ng	# 1
36) 4-Chloro-3-methylphenol	10.77	107	15837	3.73	ng	# 36
37) 2-Methylnaphthalene	10.92	142	536899	56.16	ng	95
45) 1,1'-Biphenyl	11.68	154	100186	7.68	ng	94
47) 2-Nitroaniline	11.90	65	6076	2.11	ng	# 1
48) Acenaphthylene	12.38	152	59270	3.59	ng	# 1
49) Dimethylphthalate	12.21	163	142468	11.20	ng	# 95
50) 2,6-Dinitrotoluene	12.31	165	8445	3.25	ng	# 59
51) Acenaphthene	12.64	154	71332	7.24	ng	89
52) 3-Nitroaniline	12.57	138	6653	2.39	ng	# 32
53) 2,4-Dinitrophenol	12.79	184	319	6.45	ng	# 1
54) Dibenzofuran	12.93	168	133175	9.76	ng	# 89
55) 4-Nitrophenol	12.94	139	56286	33.64	ng	# 77
56) 2,4-Dinitrotoluene	12.97	165	23163	6.94	ng	# 56
57) Fluorene	13.48	166	215684	18.18	ng	# 93
61) 4-Nitroaniline	13.34	138	10514	4.11	ng	77
62) Azobenzene	13.76	77	20480	2.09	ng	# 1
65) n-Nitrosodiphenylamine	13.71	169	150400	17.38	ng	# 47
69) Pentachlorophenol	14.50	266	1344	6.93	ng	# 18
70) Phenanthrene	15.02	178	902869	65.90	ng	98
71) Anthracene	15.02	178	902869	64.52	ng	99
74) Fluoranthene	16.76	202	470664	33.49	ng	99
76) Benzidine	16.98	184	1987	6.90	ng	# 1
77) Pvrene	17.06	202	406219	26.39	ng	98
80) Benzo(a)anthracene	18.62	228	81116	6.77	ng	98

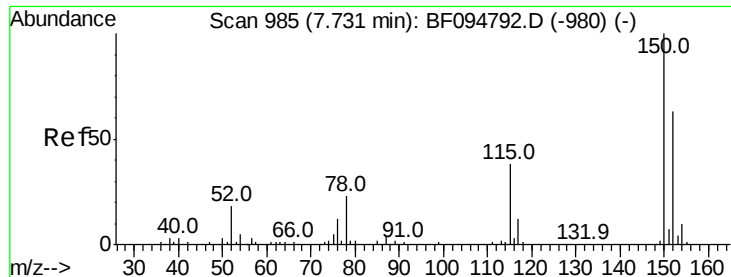
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
Data File : BF094993.D
Acq On : 8 May 2017 22:13
Operator : SJ/MA
Sample : I2859-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

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Quant Time: May 09 01:51:34 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	18.67	228	77841	6.72	ng	98
85) Indeno(1,2,3-cd)pyrene	21.61	276	19798	2.10	ng	99
87) Benzo(b)fluoranthene	19.90	252	62696	5.56	ng	# 96
88) Benzo(k)fluoranthene	19.90	252	62696	5.77	ng	99
89) Benzo(a)pyrene	20.25	252	44037	4.23	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.72 min Scan# 983

Delta R.T. -0.01 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

ClientSampled :

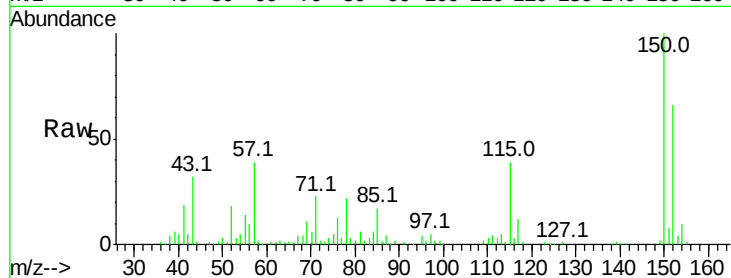
Tot Ion:152 Resp: 86778

Ion Ratio Lower Upper

152 100

150 151.4 126.2 189.2

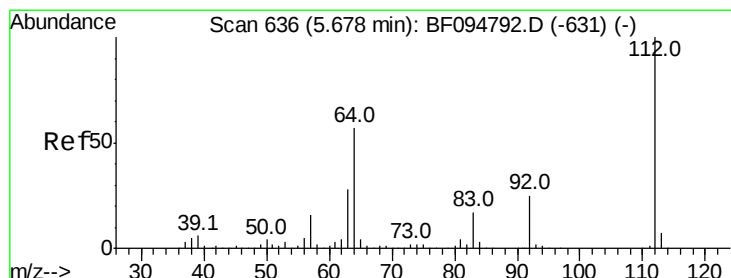
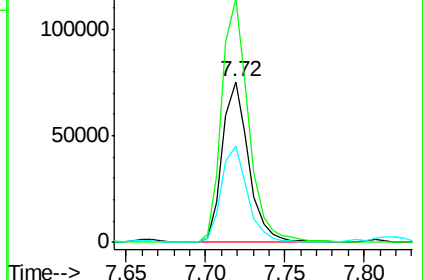
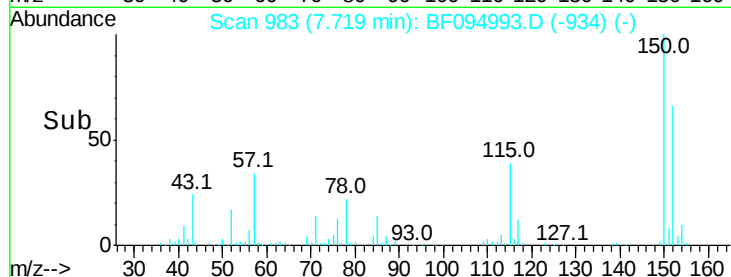
115 59.7 52.2 78.2



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: 136.15 ng

RT: 5.65 min Scan# 632

Delta R.T. -0.02 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

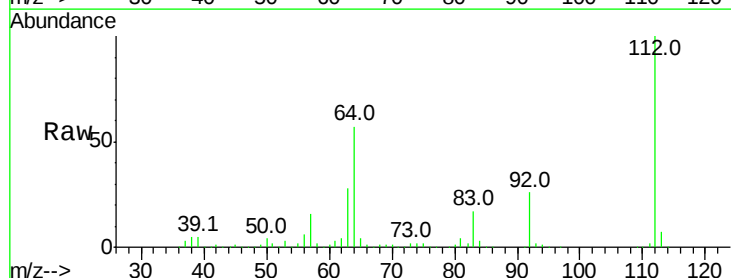
Tgt Ion:112 Resp: 708666

Ion Ratio Lower Upper

112 100

64 56.7 46.0 69.0

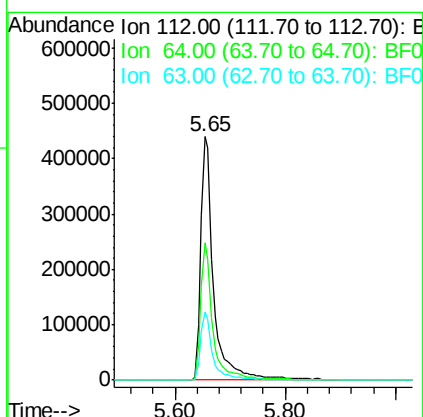
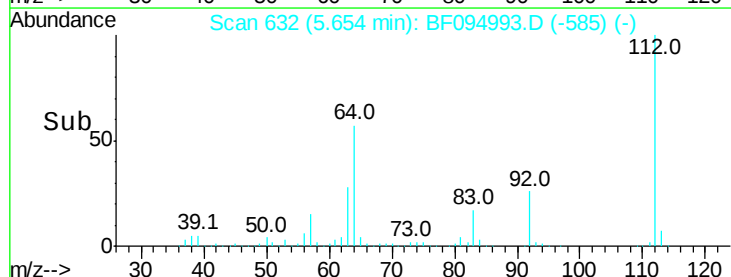
63 28.0 23.4 35.0

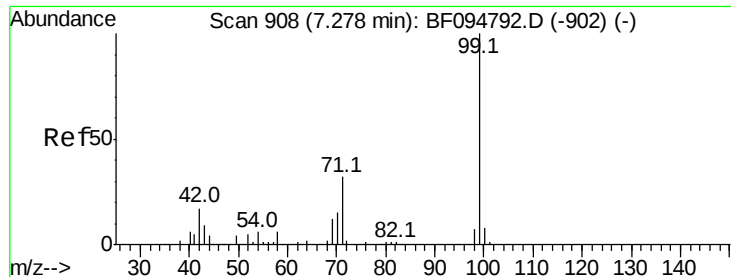


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 140.41 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

ClientSampled :

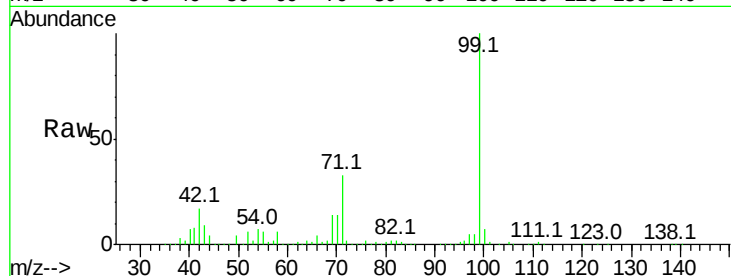
Tot Ion: 99 Resp: 876881

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

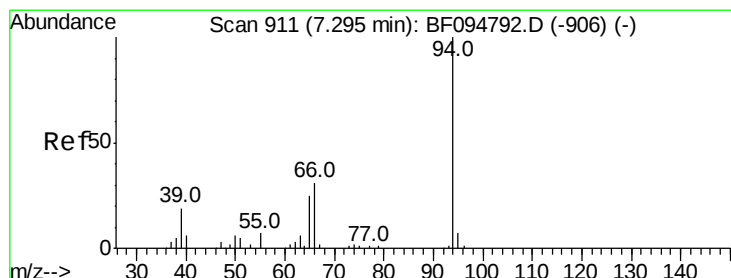
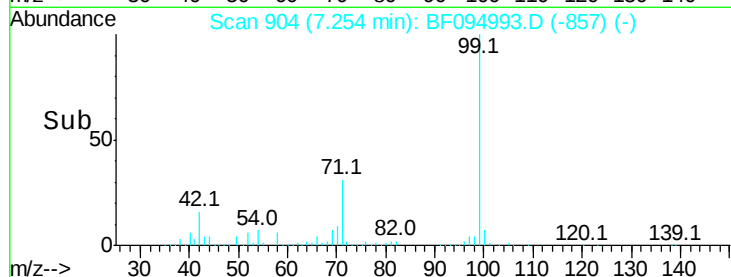
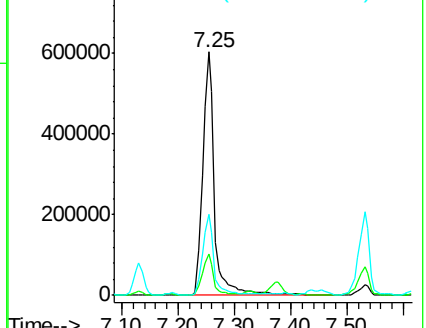
71 33.1 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.64 ng

RT: 7.27 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

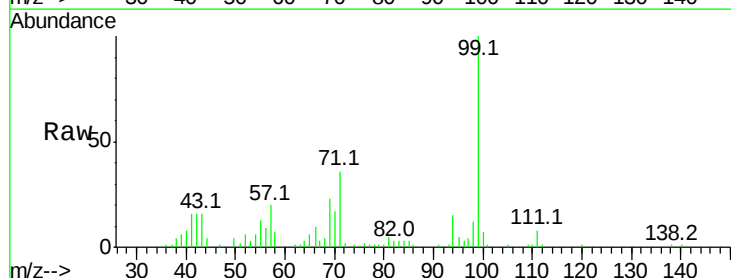
Tgt Ion: 94 Resp: 17349

Ion Ratio Lower Upper

94 100

65 38.2 9.9 49.9

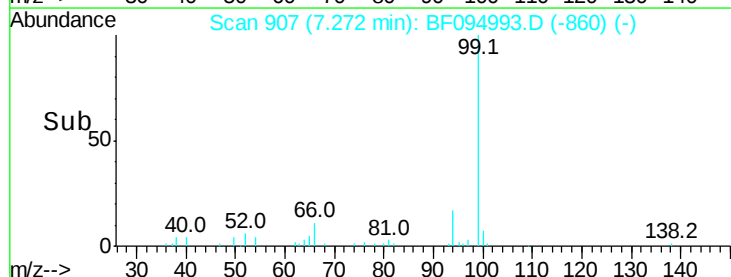
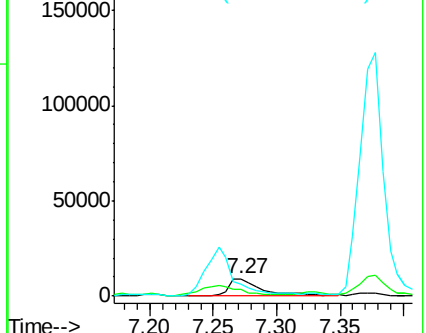
66 68.6 23.1 63.1#

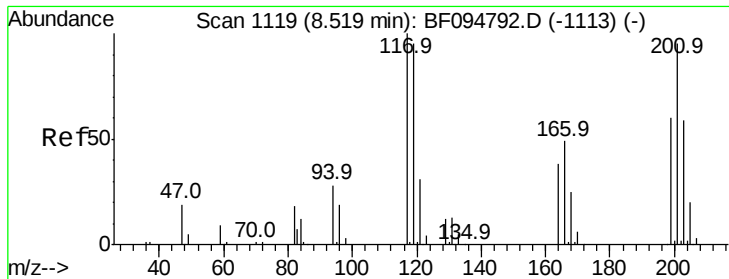


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#18

Hexachloroethane

Concen: 4.84 ng

RT: 8.52 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

ClientSampleId :

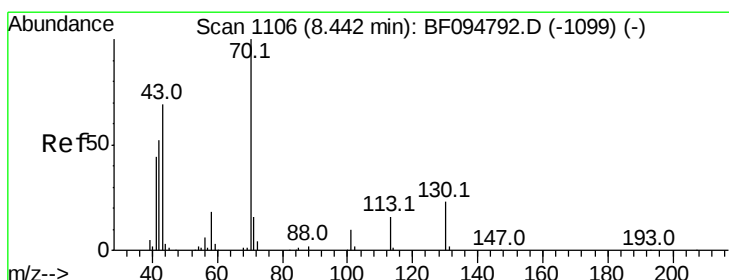
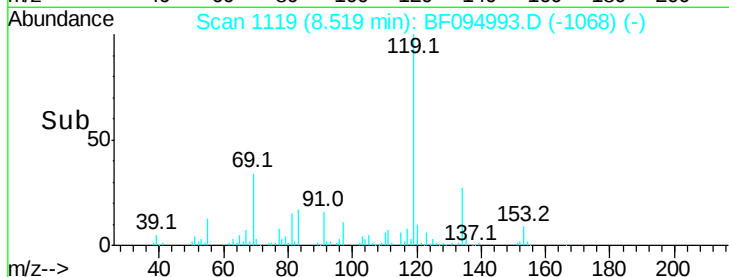
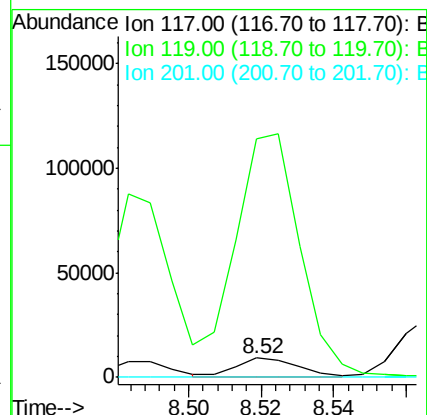
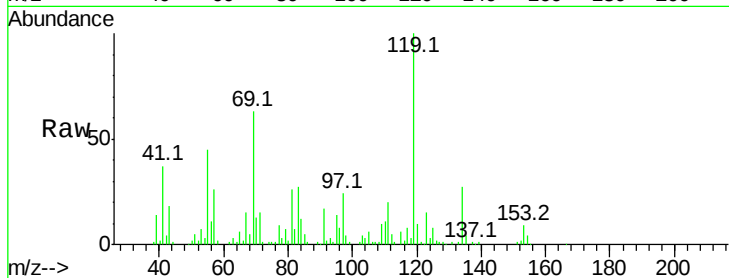
Tot Ion:117 Resp: 11182

Ion Ratio Lower Upper

117 100

119 1223.4 77.4 116.0#

201 0.0 94.6 141.8#



#19

n-Nitroso-di-n-propylamine

Concen: 8.01 ng

RT: 8.40 min Scan# 1099

Delta R.T. -0.04 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Tgt Ion: 70 Resp: 33846

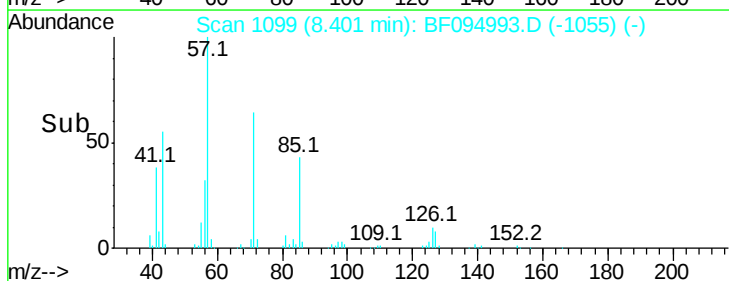
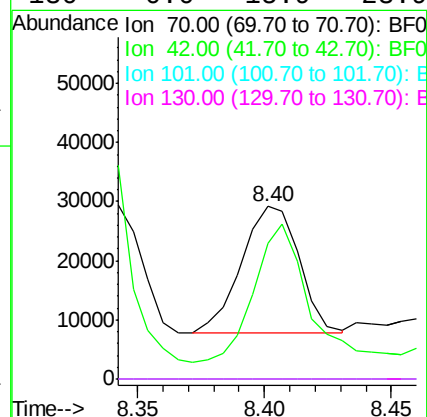
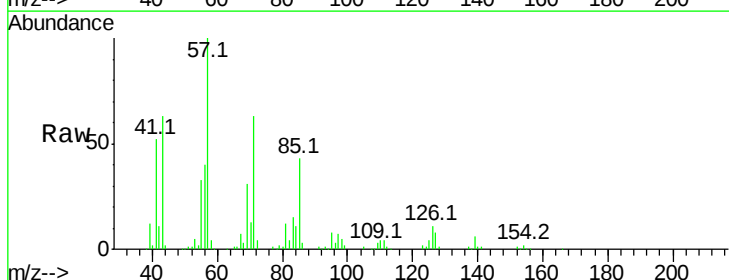
Ion Ratio Lower Upper

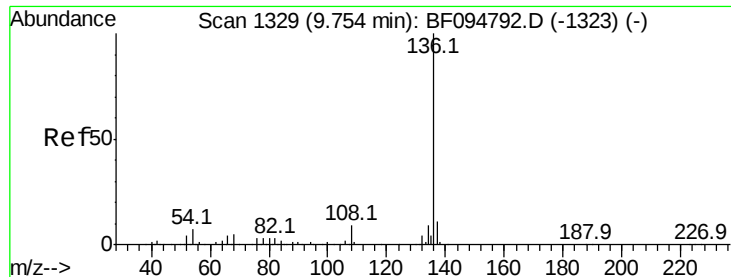
70 100

42 78.9 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.75 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 289823

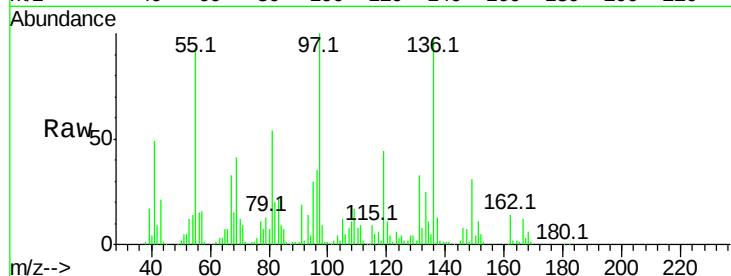
Ion Ratio Lower Upper

136 100

137 13.2 8.5 12.7#

54 14.4 4.9 7.3#

68 15.4 4.1 6.1#

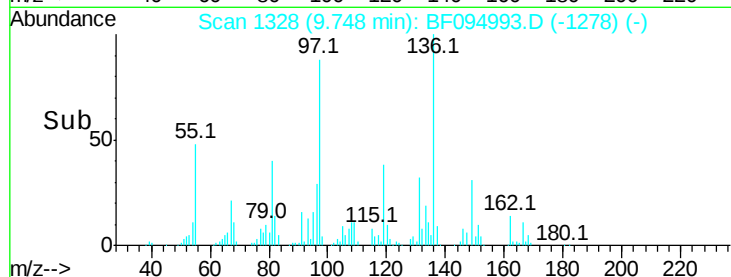


Abundance Ion 136.00 (135.70 to 136.70): E

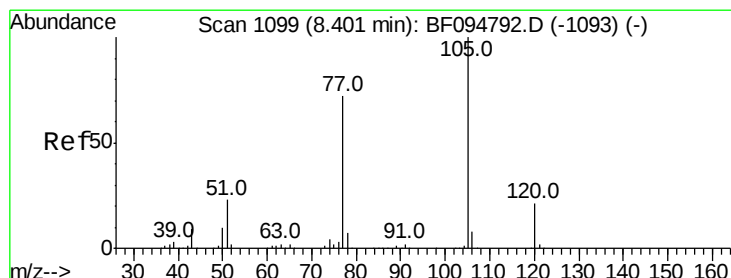
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 18.89 ng

RT: 8.36 min Scan# 1092

Delta R.T. -0.04 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Tgt Ion:105 Resp: 131365

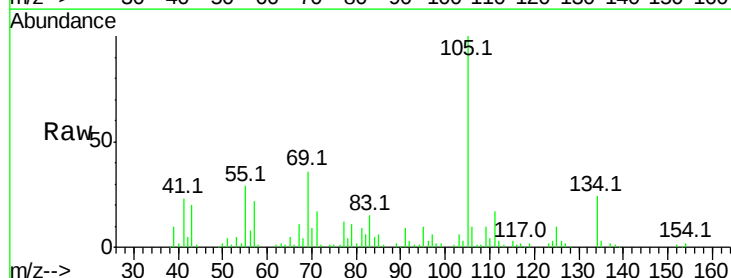
Ion Ratio Lower Upper

105 100

71 16.6 2.8 4.2#

51 4.0 30.7 46.1#

120 0.0 17.4 26.0#

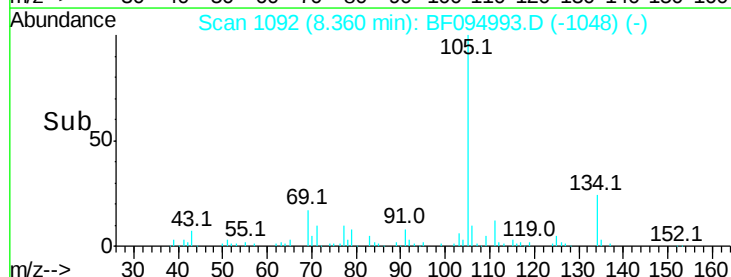


Abundance Ion 105.00 (104.70 to 105.70): E

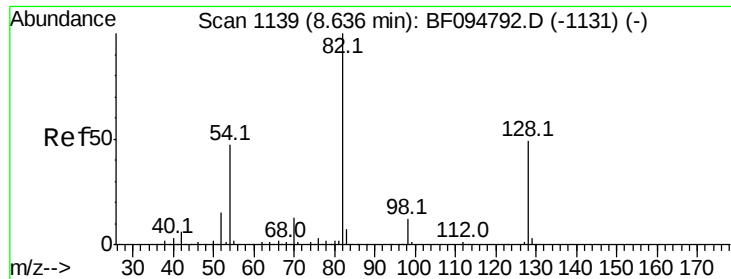
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



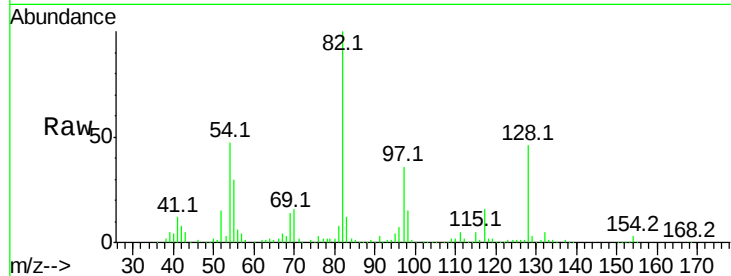
Time-->



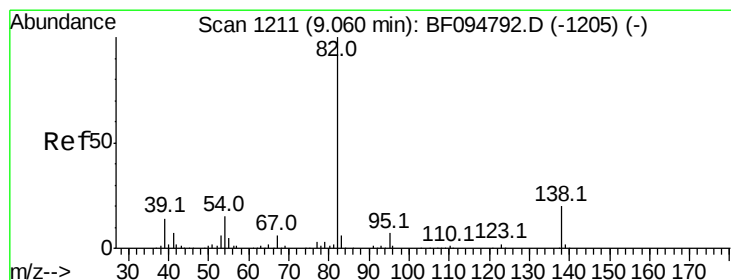
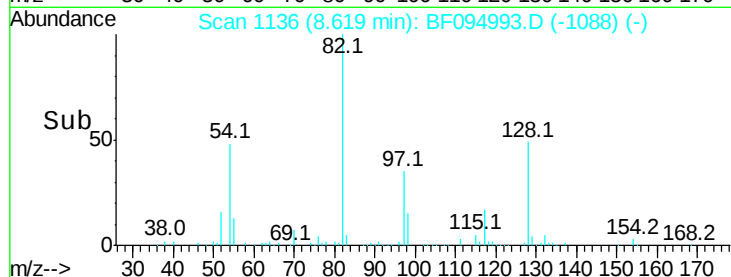
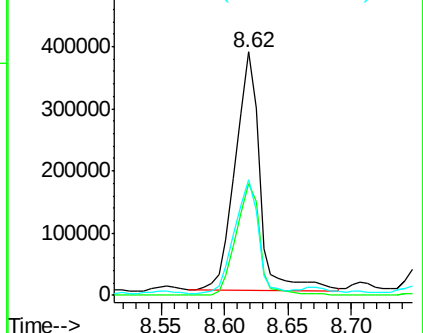
#23
Nitrobenzene-d5
Concen: 112.12 ng
RT: 8.62 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 515297
Ion Ratio Lower Upper
82 100
128 46.1 34.0 51.0
54 47.4 42.2 63.2

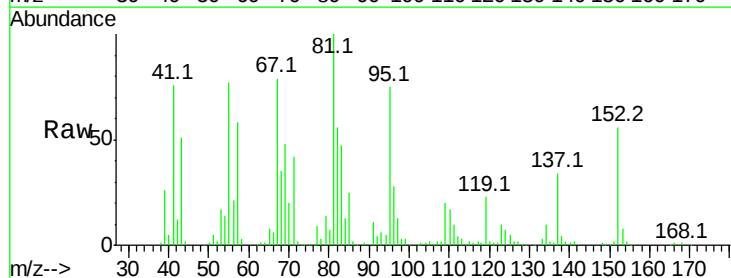


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

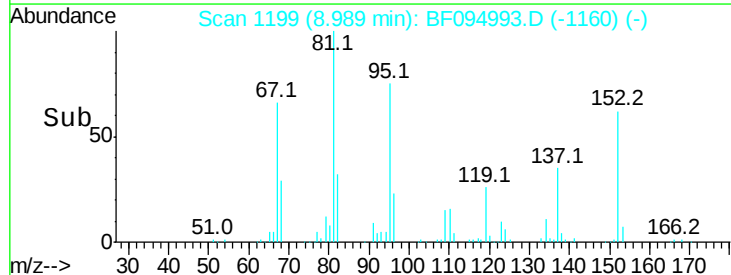
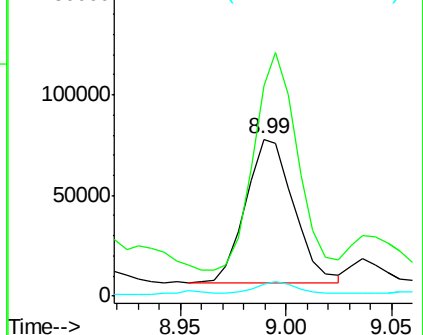


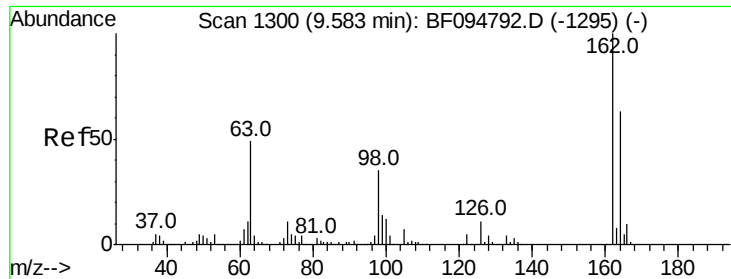
#25
Isophorone
Concen: 13.85 ng
RT: 8.99 min Scan# 1199
Delta R.T. -0.07 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion: 82 Resp: 113644
Ion Ratio Lower Upper
82 100
95 134.2 5.3 7.9#
138 7.3 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

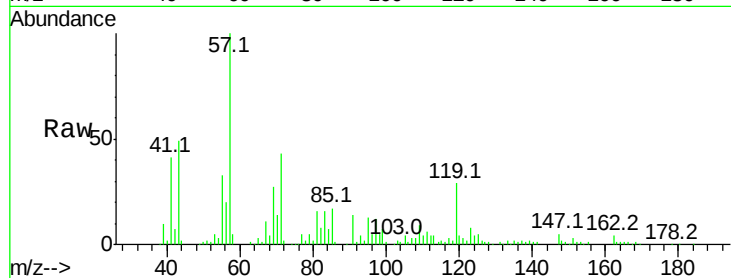




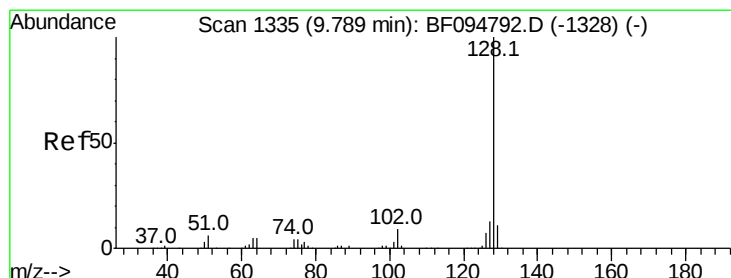
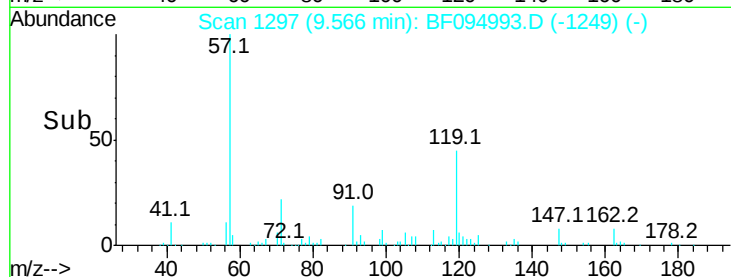
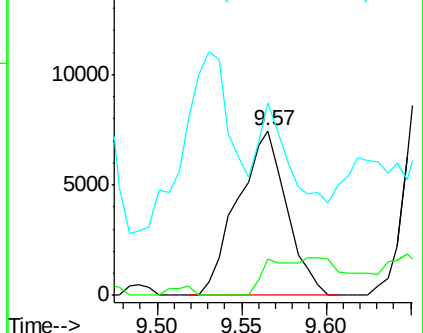
#29
2,4-Dichlorophenol
Concen: 3.79 ng
RT: 9.57 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:162 Resp: 15049
Ion Ratio Lower Upper
162 100
164 22.3 44.6 84.6#
98 117.6 14.8 54.8#

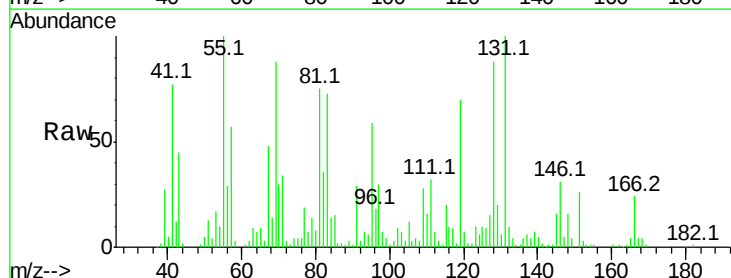


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): E

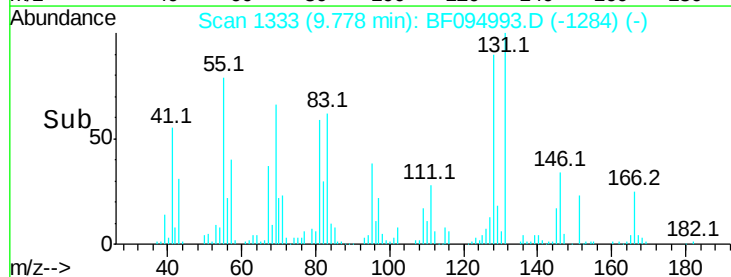
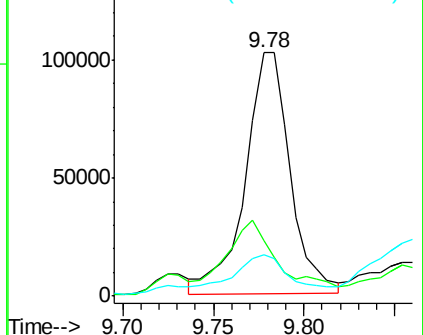


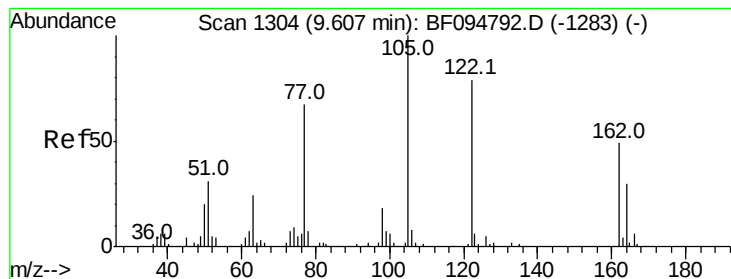
#31
Naphthalene
Concen: 12.06 ng
RT: 9.78 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion:128 Resp: 175686
Ion Ratio Lower Upper
128 100
129 22.8 9.0 13.6#
127 17.0 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: 8.36 ng

RT: 9.62 min Scan# 1307

Delta R.T. 0.02 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

ClientSampleId :

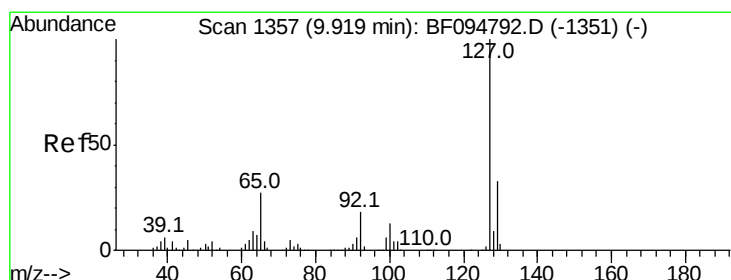
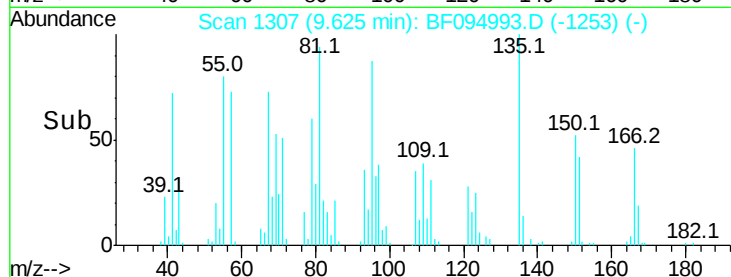
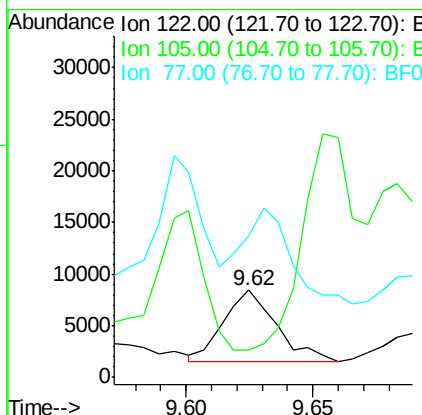
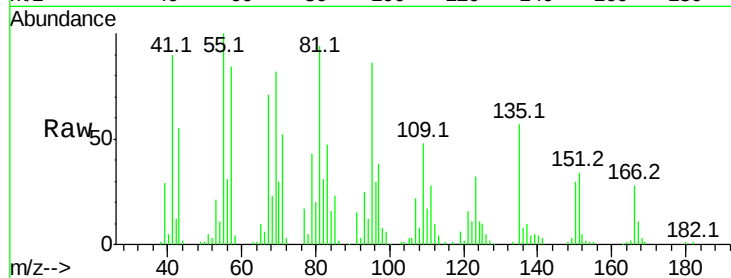
Tot Ion:122 Resp: 10101

Ion Ratio Lower Upper

122 100

105 31.2 103.3 143.3#

77 161.8 73.7 113.7#



#33

4-Chloroaniline

Concen: 2.09 ng

RT: 9.92 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Tgt Ion:127 Resp: 11370

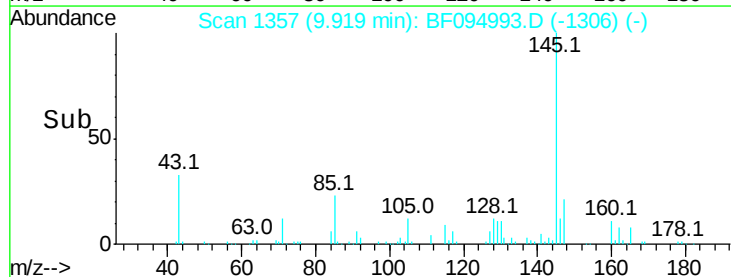
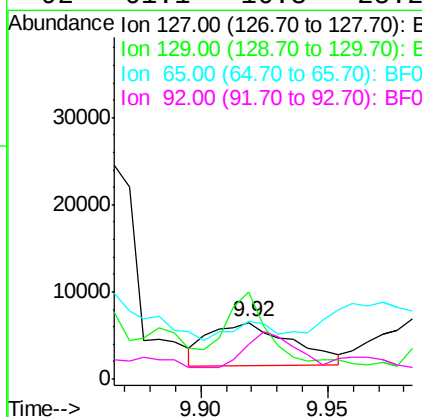
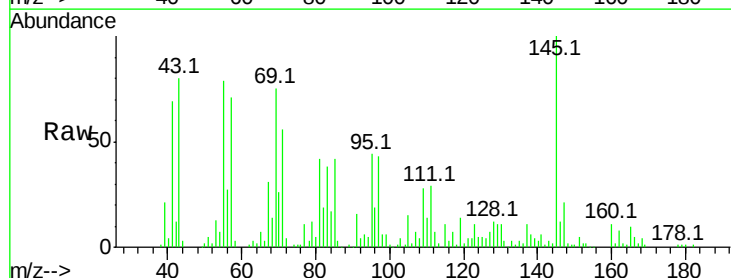
Ion Ratio Lower Upper

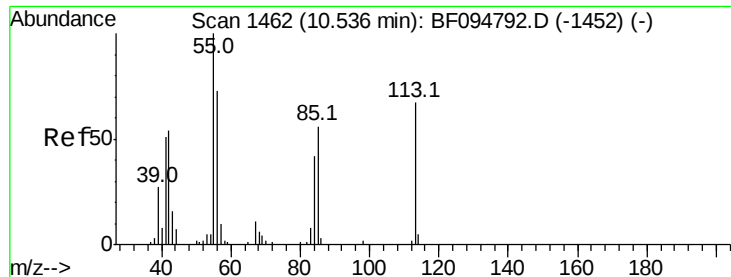
127 100

129 154.8 26.2 39.2#

65 102.0 27.8 41.8#

92 61.1 16.8 25.2#





#35

Caprolactam

Concen: 24.70 ng

RT: 10.49 min Scan# 1454

Delta R.T. -0.05 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

ClientSampleId :

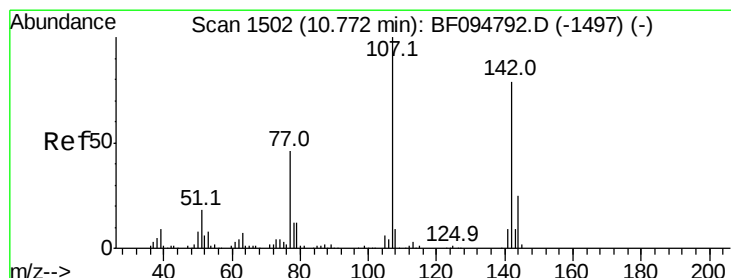
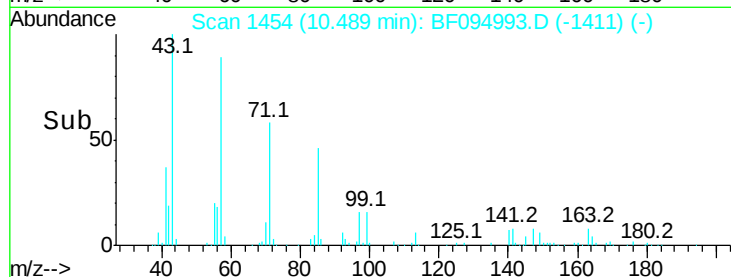
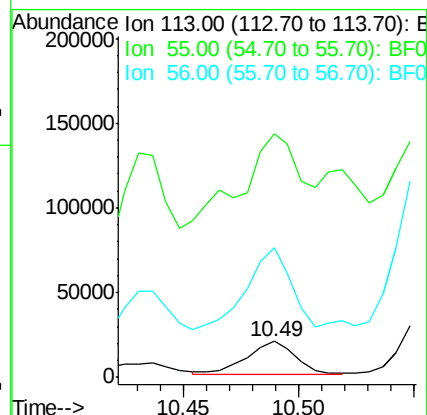
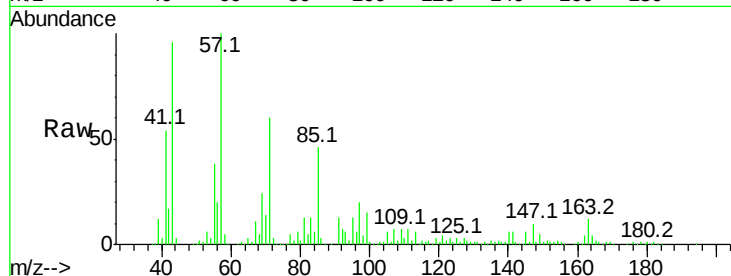
Tot Ion:113 Resp: 29433

Ion Ratio Lower Upper

113 100

55 677.5 150.2 190.2#

56 360.3 107.8 147.8#



#36

4-Chloro-3-methylphenol

Concen: 3.73 ng

RT: 10.77 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

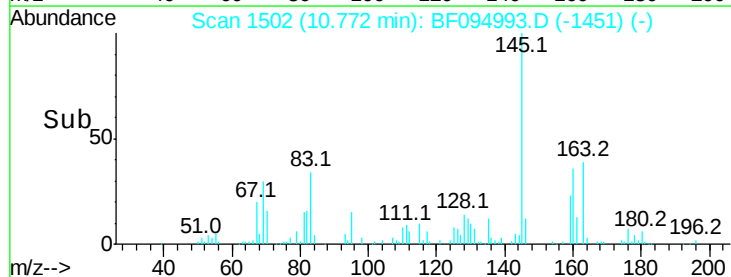
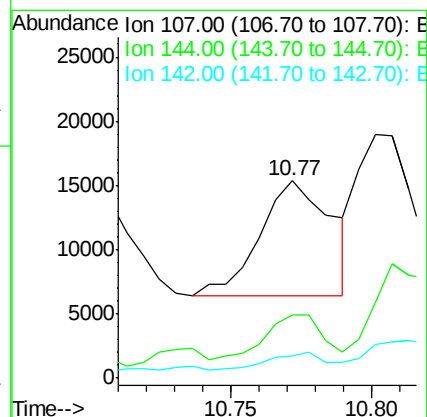
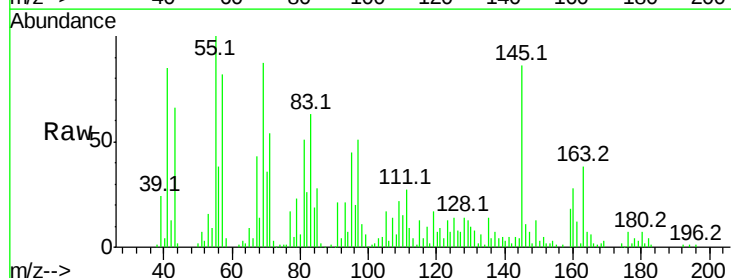
Tgt Ion:107 Resp: 15837

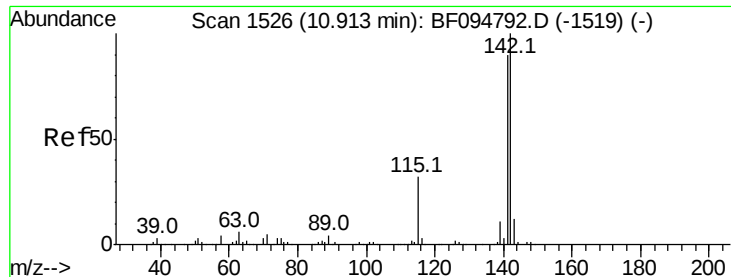
Ion Ratio Lower Upper

107 100

144 32.1 24.2 36.4

142 11.3 73.4 110.0#

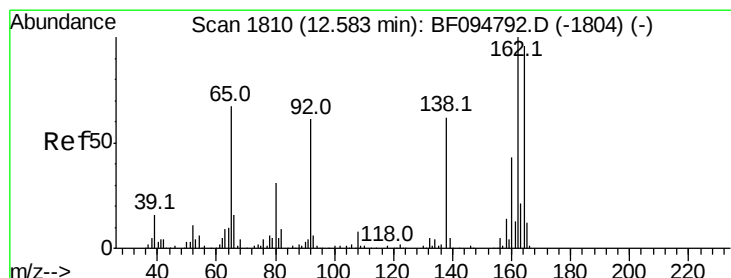
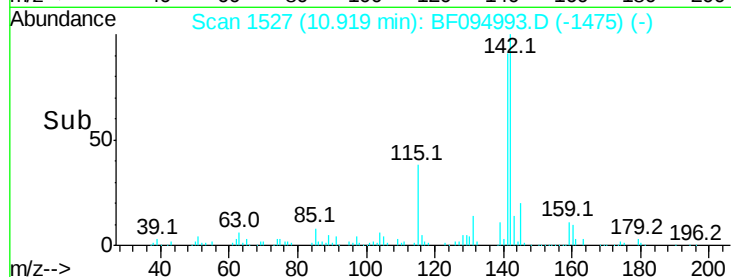
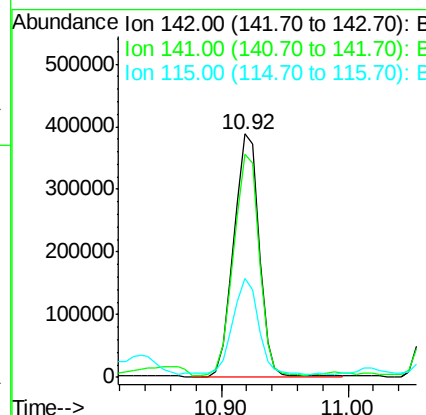
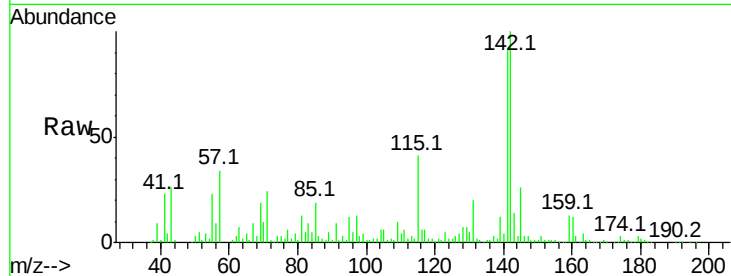




#37
2-Methylnaphthalene
Concen: 56.16 ng
RT: 10.92 min Scan# 1527
Delta R.T. 0.01 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

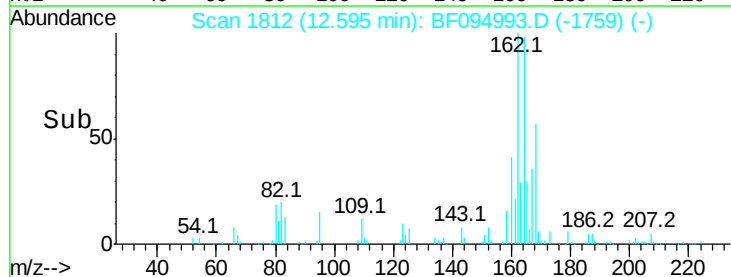
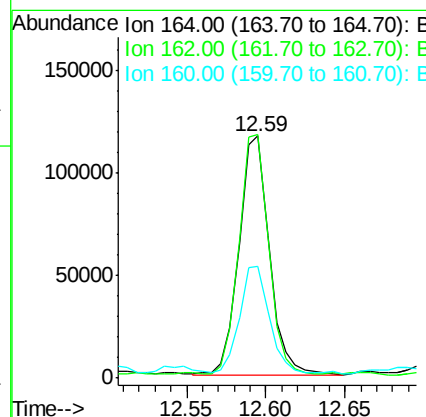
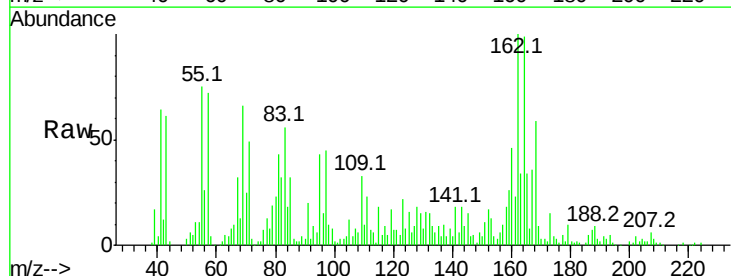
Instrument :
BNA_F
ClientSampleId :

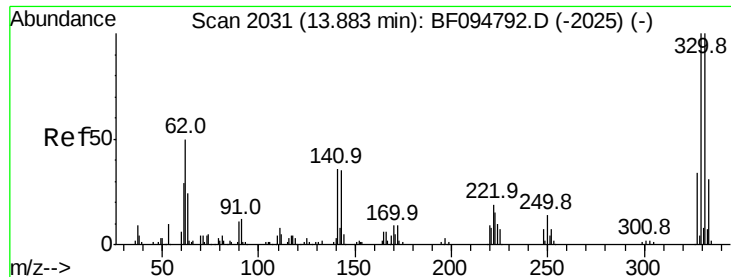
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.7	71.3	106.9
115	40.6	27.1	40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1812
Delta R.T. 0.01 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.6	123.8
160	46.4	36.2	54.2

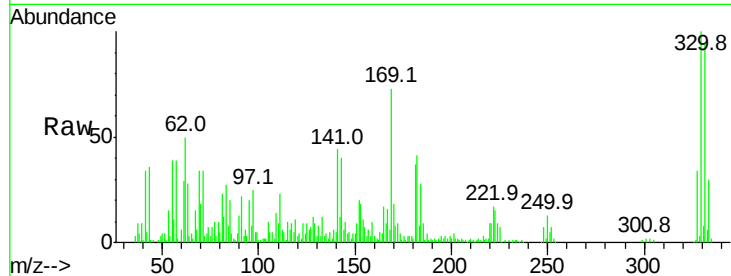




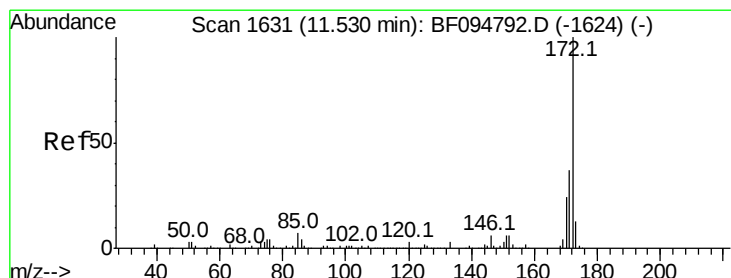
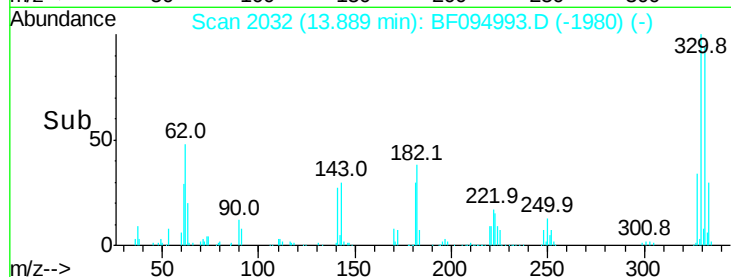
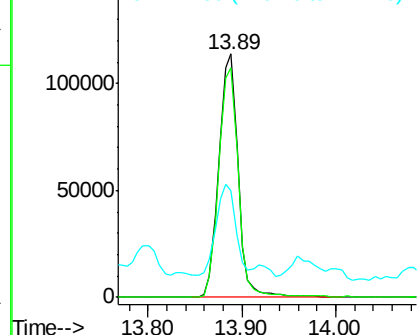
#41
 2,4,6-Tribromophenol
 Concen: 130.27 ng
 RT: 13.89 min Scan# 2032
 Delta R.T. 0.01 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 165350
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 115.0
 141 37.8 31.4 47.2

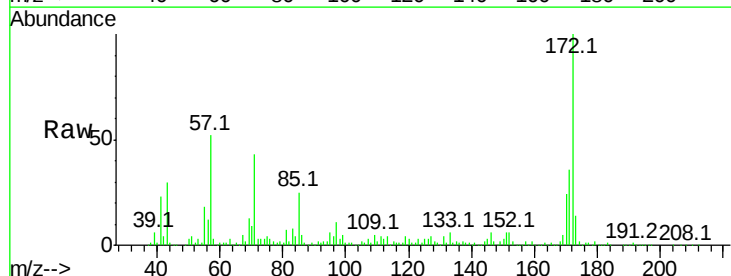


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

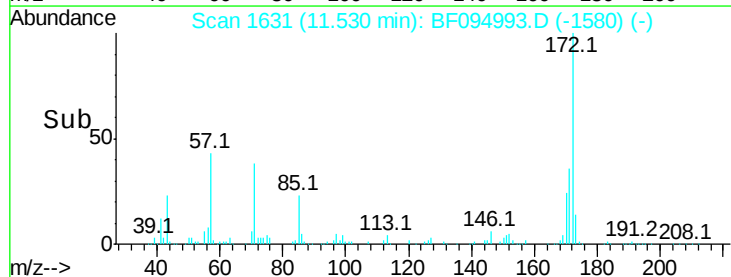
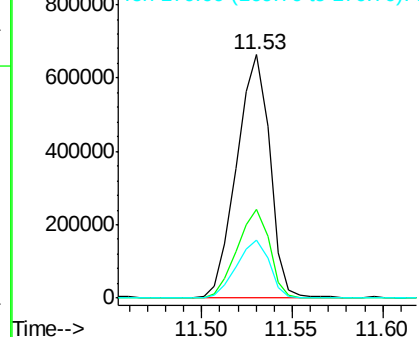


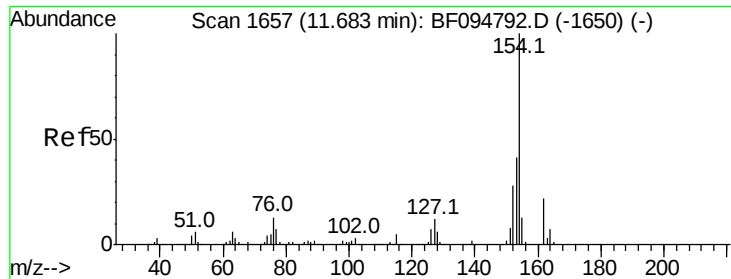
#44
 2-Fluorobiphenyl
 Concen: 78.34 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

Tgt Ion:172 Resp: 843529
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 23.9 19.8 29.8



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

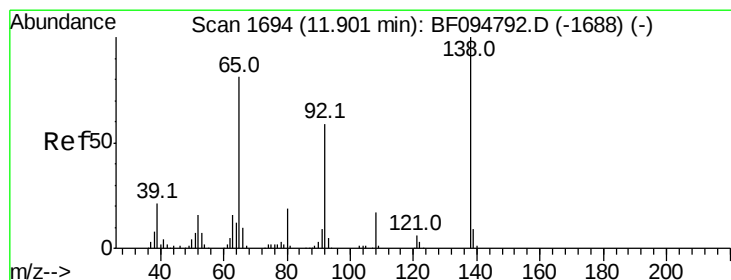
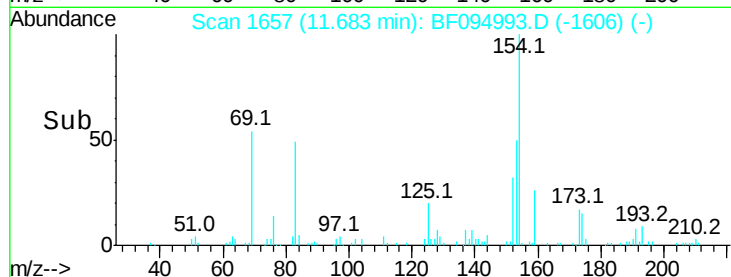
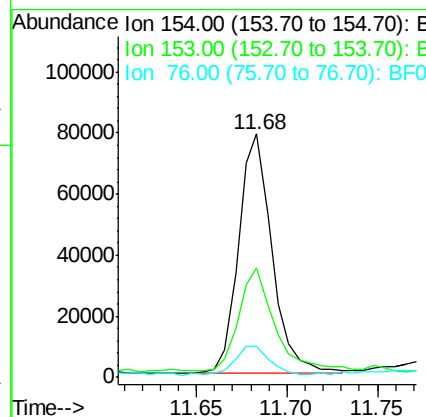
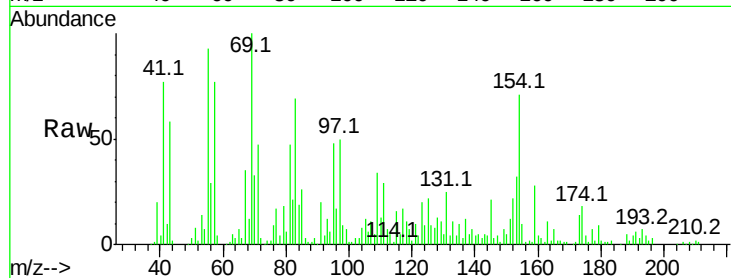




#45
 1,1'-Biphenyl
 Concen: 7.68 ng
 RT: 11.68 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

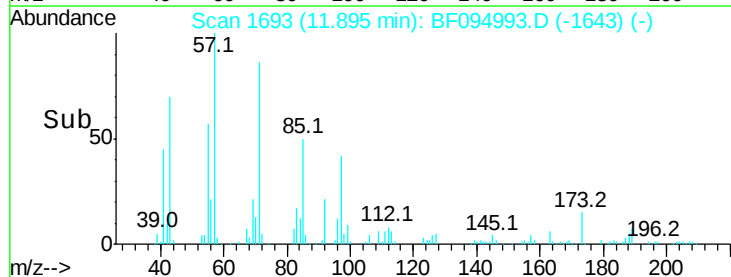
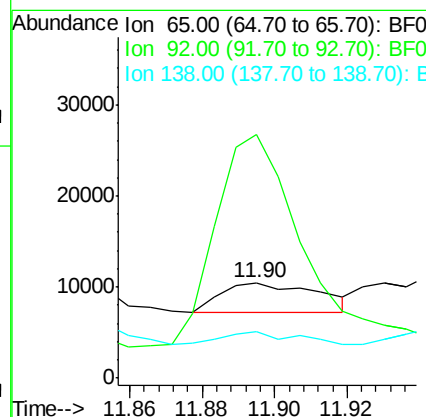
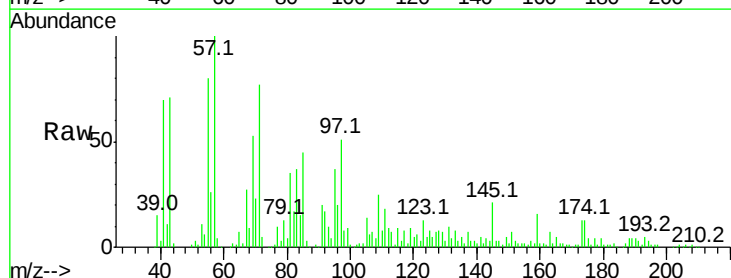
Instrument :
 BNA_F
 ClientSampled :

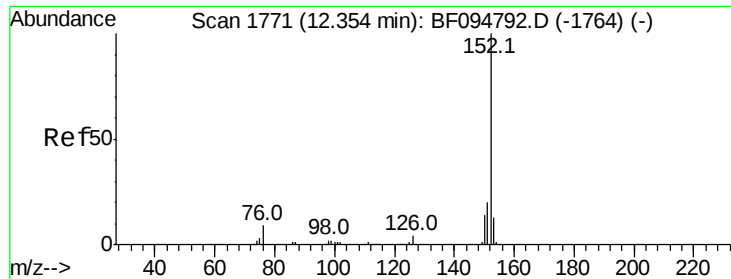
Tot Ion:154 Resp: 100186
 Ion Ratio Lower Upper
 154 100
 153 44.7 21.2 61.2
 76 12.5 0.0 29.9



#47
 2-Nitroaniline
 Concen: 2.11 ng
 RT: 11.90 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

Tgt Ion: 65 Resp: 6076
 Ion Ratio Lower Upper
 65 100
 92 255.8 53.9 80.9#
 138 48.7 78.8 118.2#





#48

Acenaphthylene

Concen: 3.59 ng

RT: 12.38 min Scan# 1776

Delta R.T. 0.03 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

ClientSampleId :

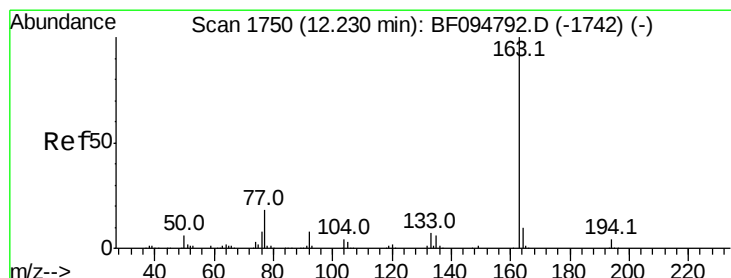
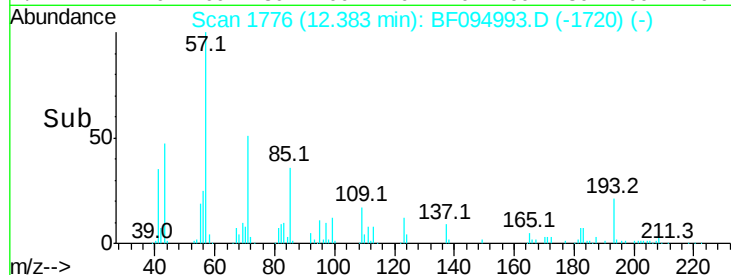
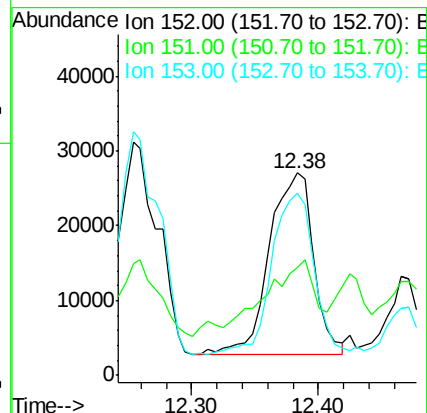
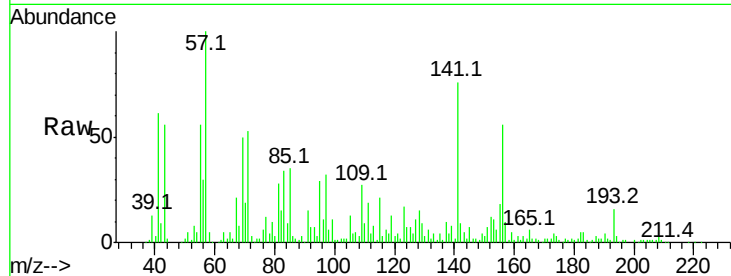
Tot Ion:152 Resp: 59270

Ion Ratio Lower Upper

152 100

151 53.4 16.8 25.2#

153 90.2 10.8 16.2#



#49

Dimethylphthalate

Concen: 11.20 ng

RT: 12.21 min Scan# 1747

Delta R.T. -0.02 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

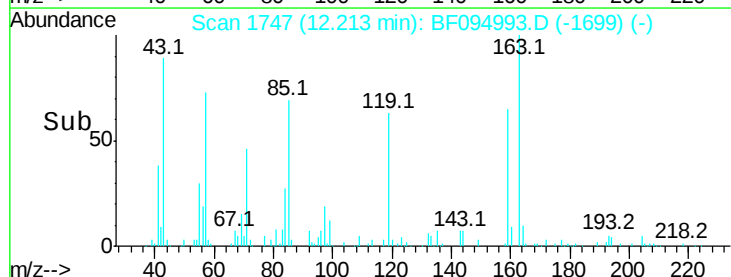
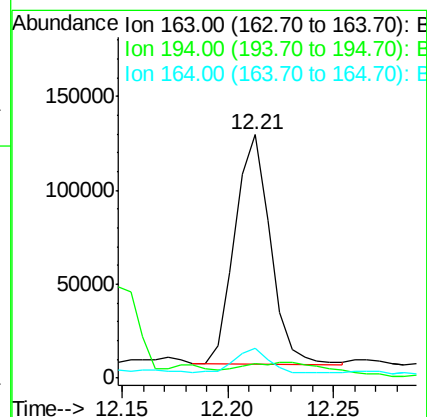
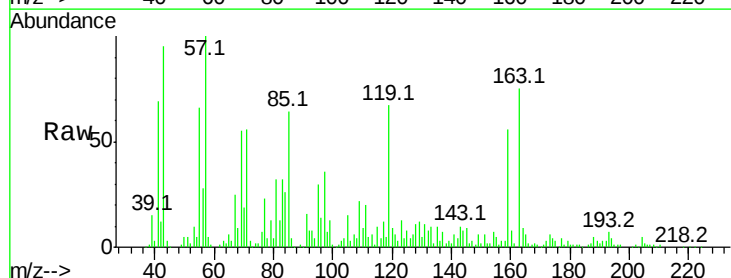
Tgt Ion:163 Resp: 142468

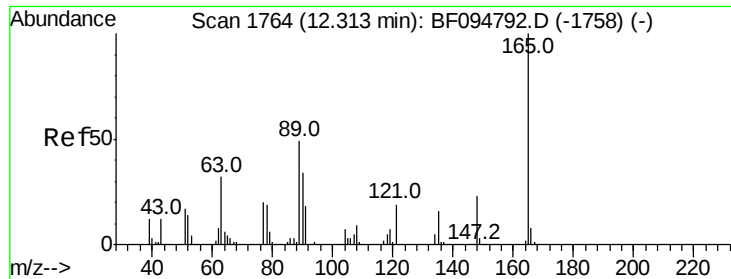
Ion Ratio Lower Upper

163 100

194 5.9 2.6 4.0#

164 12.2 8.4 12.6





#50

2,6-Dinitrotoluene

Concen: 3.25 ng

RT: 12.31 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

ClientSampleId :

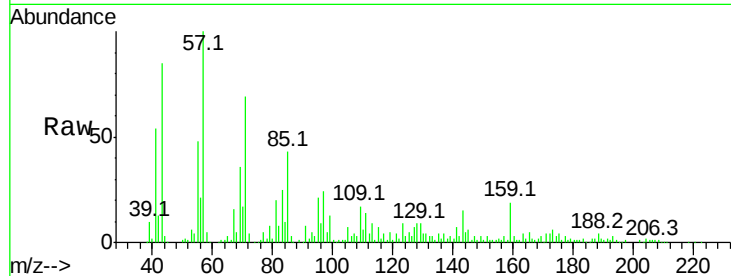
Tot Ion:165 Resp: 8445

Ion Ratio Lower Upper

165 100

63 21.8 34.3 51.5#

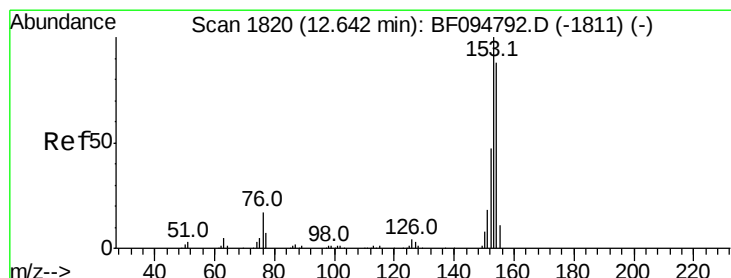
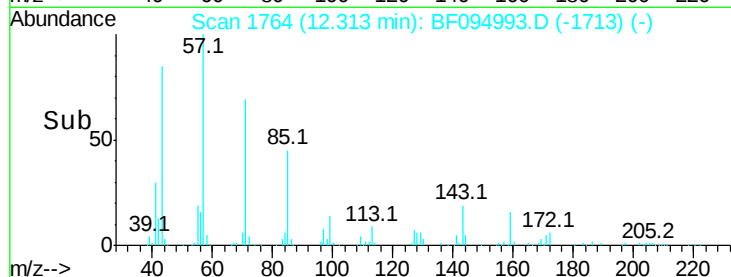
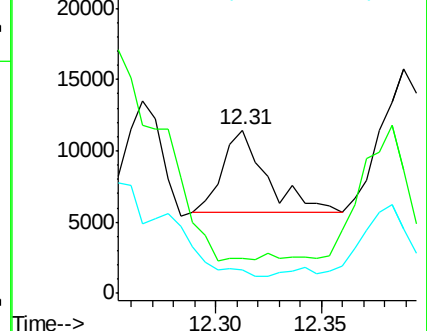
89 14.1 37.1 55.7#



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: 7.24 ng

RT: 12.64 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

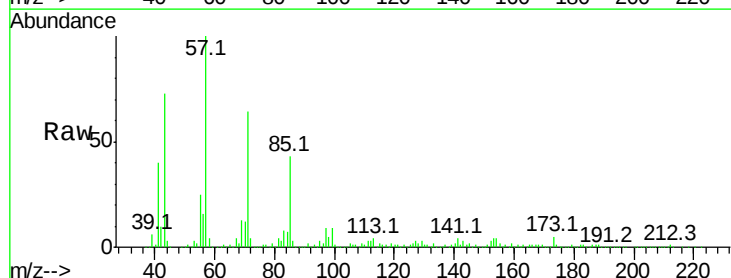
Tgt Ion:154 Resp: 71332

Ion Ratio Lower Upper

154 100

153 98.8 90.5 135.7

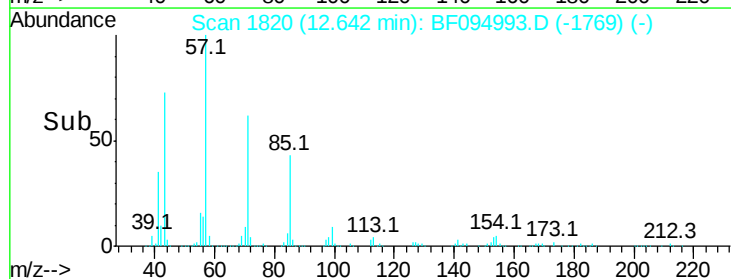
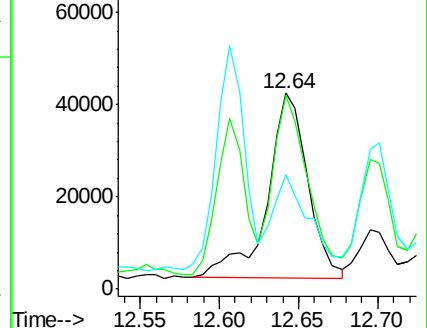
152 58.2 43.6 65.4

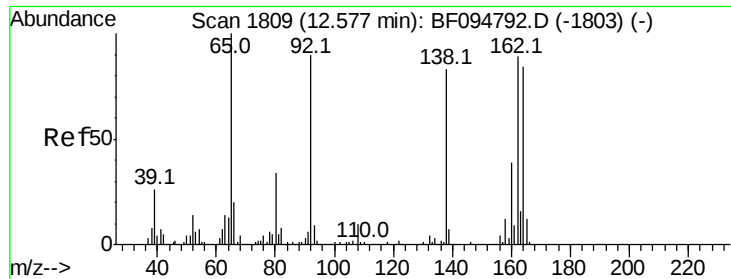


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

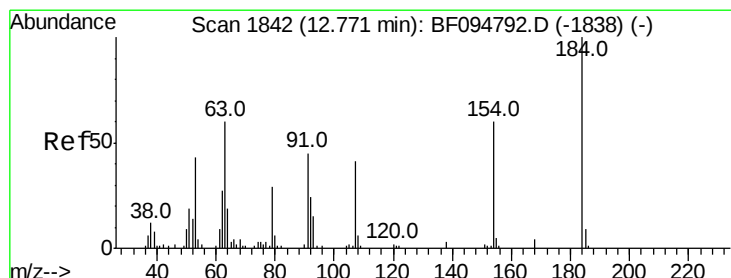
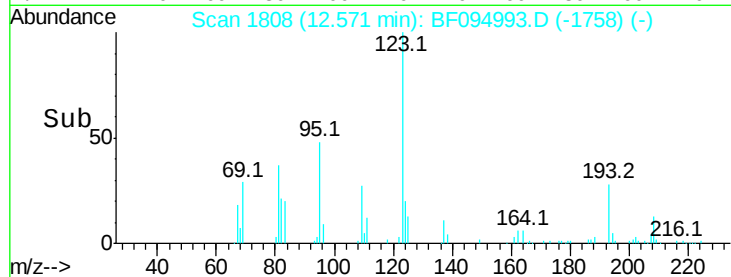
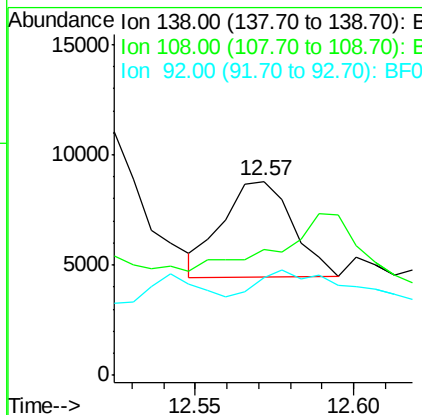
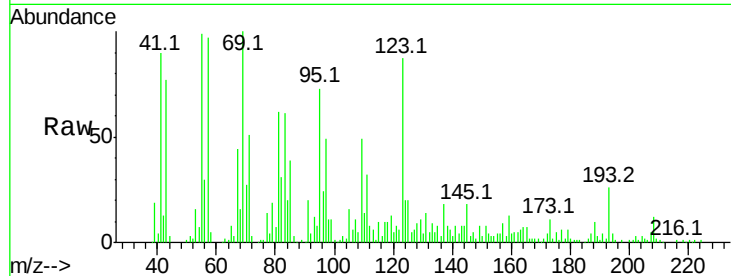




#52
 3-Nitroaniline
 Concen: 2.39 ng
 RT: 12.57 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

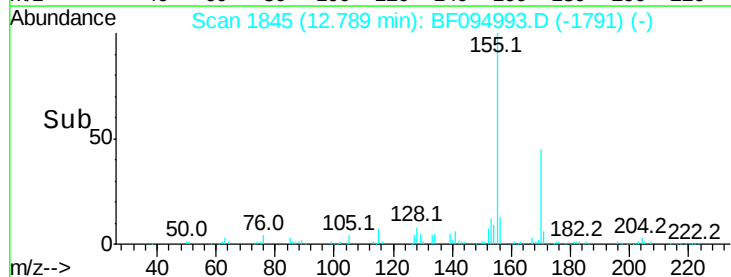
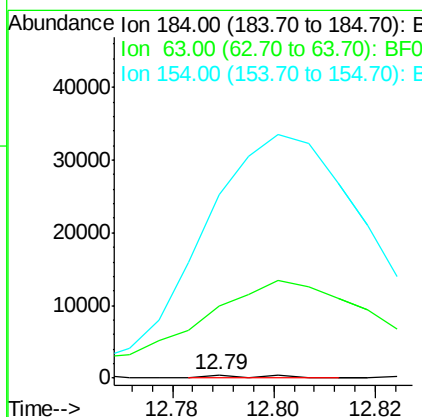
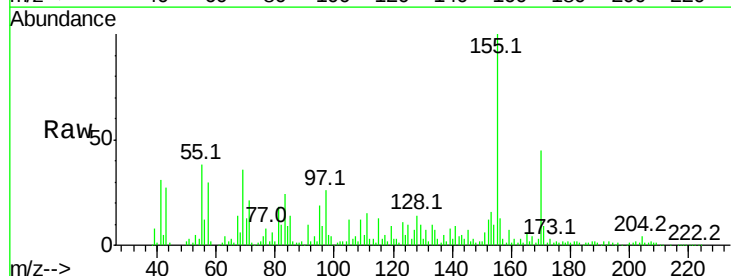
Instrument :
 BNA_F
 ClientSampleId :

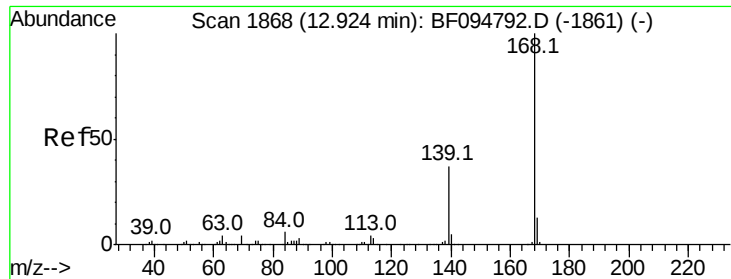
Tot Ion:138 Resp: 6653
 Ion Ratio Lower Upper
 138 100
 108 65.0 9.1 13.7#
 92 50.1 93.8 140.6#



#53
 2,4-Dinitrophenol
 Concen: 6.45 ng
 RT: 12.79 min Scan# 1845
 Delta R.T. 0.02 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

Tgt Ion:184 Resp: 319
 Ion Ratio Lower Upper
 184 100
 63 2156.8 62.7 94.1#
 154 5494.1 81.1 121.7#





#54

Dibenzofuran

Concen: 9.76 ng

RT: 12.93 min Scan# 1869

Delta R.T. 0.01 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

ClientSampleId :

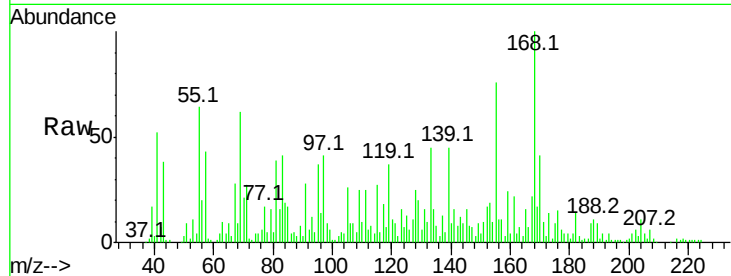
Tot Ion:168 Resp: 133175

Ion Ratio Lower Upper

168 100

139 45.1 30.6 45.8

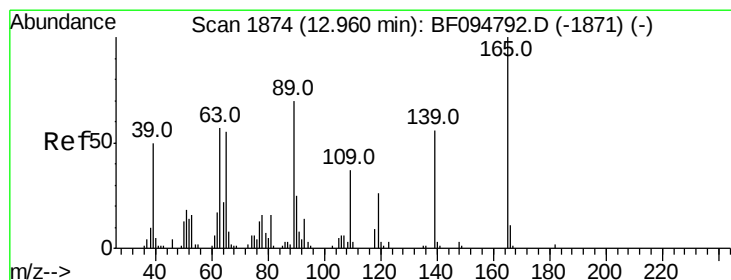
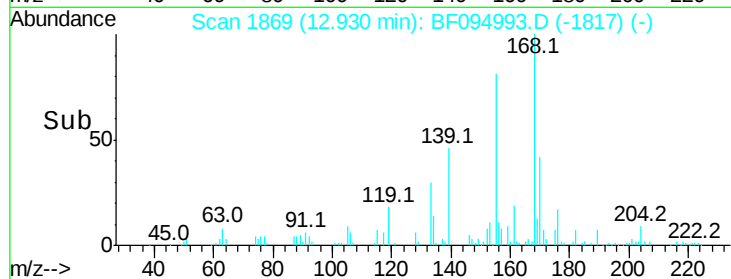
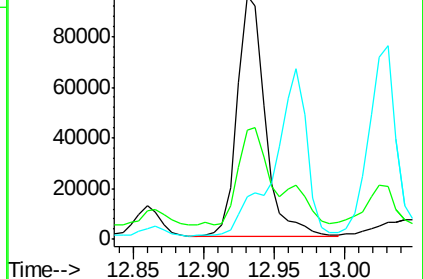
169 17.4 10.8 16.2#



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: 33.64 ng

RT: 12.94 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

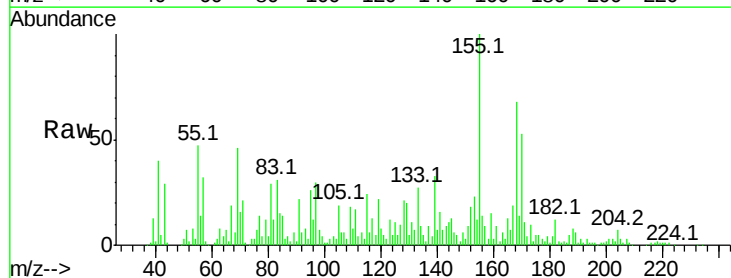
Tgt Ion:139 Resp: 56286

Ion Ratio Lower Upper

139 100

109 56.1 34.1 74.1

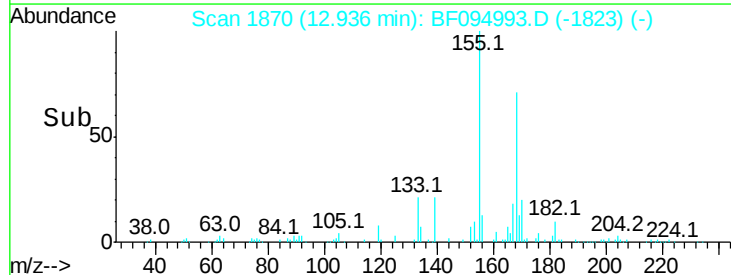
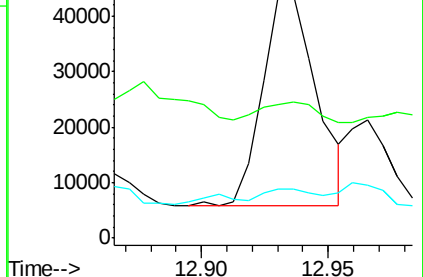
65 20.3 31.4 71.4#

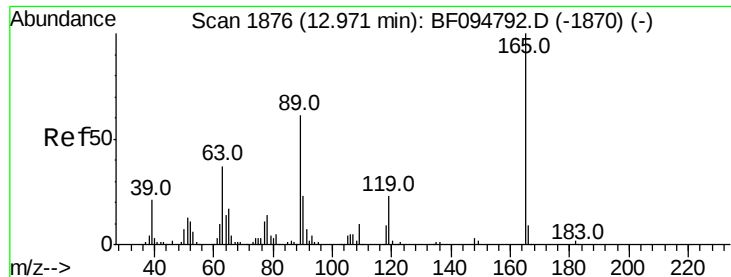


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

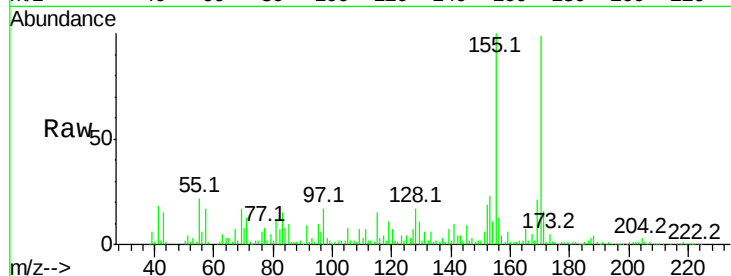




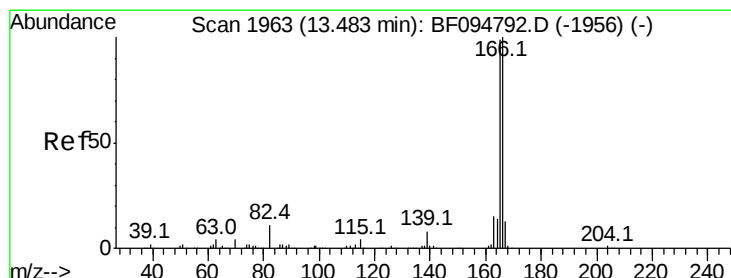
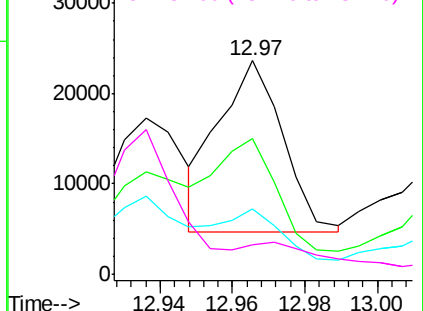
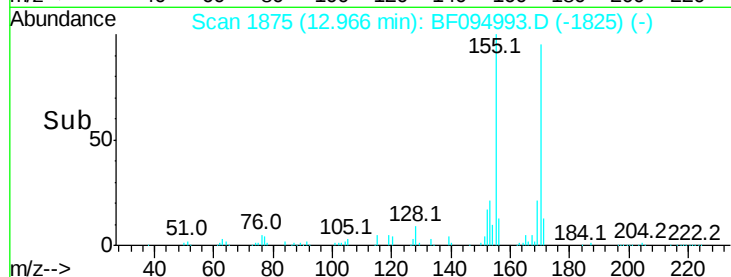
#56
2,4-Dinitrotoluene
Concen: 6.94 ng
RT: 12.97 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 23163
Ion Ratio Lower Upper
165 100
63 63.3 25.4 38.0#
89 30.3 46.4 69.6#
182 14.1 1.8 2.6#

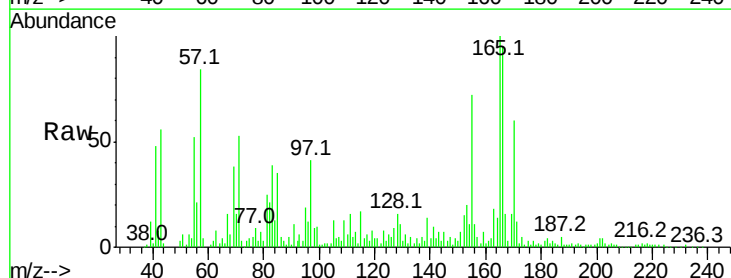


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

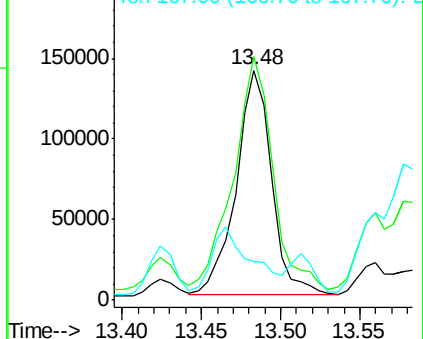
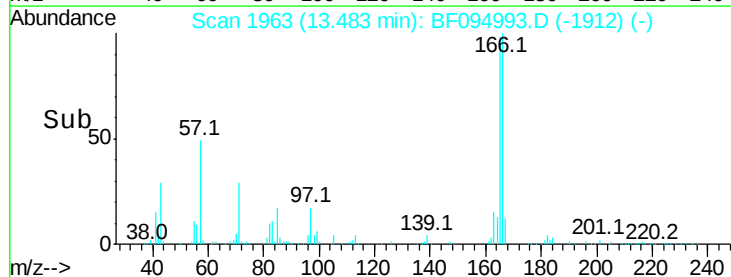


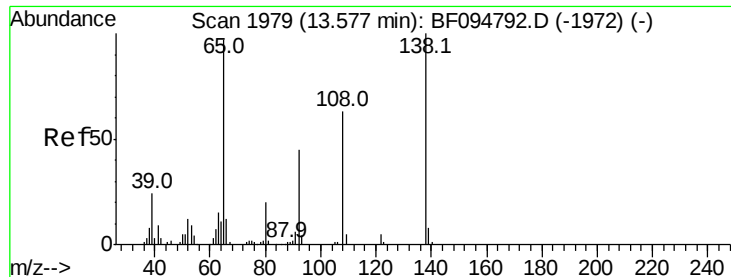
#57
Fluorene
Concen: 18.18 ng
RT: 13.48 min Scan# 1963
Delta R.T. 0.00 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion:166 Resp: 215684
Ion Ratio Lower Upper
166 100
165 105.8 78.8 118.2
167 16.7 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

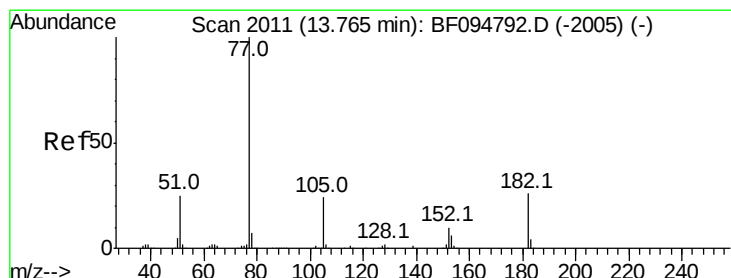
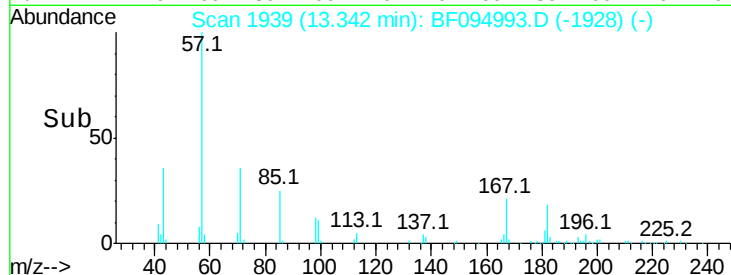
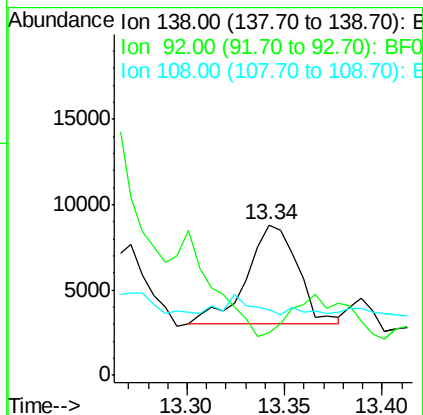
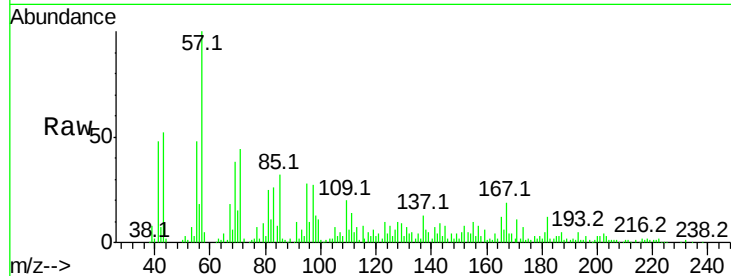




#61
4-Nitroaniline
Concen: 4.11 ng
RT: 13.34 min Scan# 1939
Delta R.T. -0.24 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

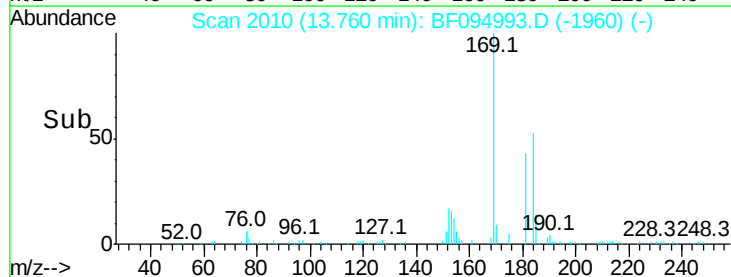
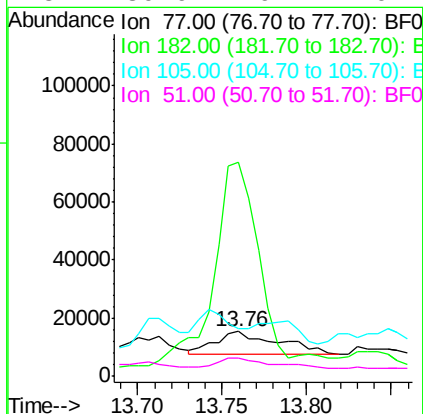
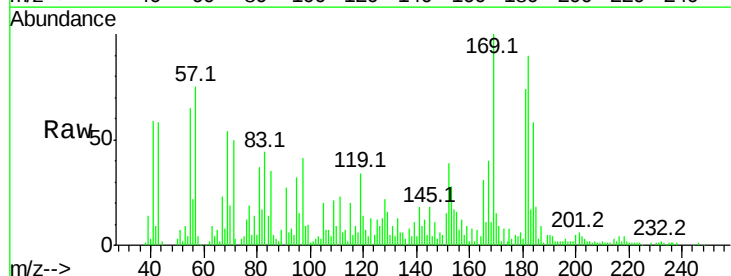
Instrument :
BNA_F
ClientSampleId :

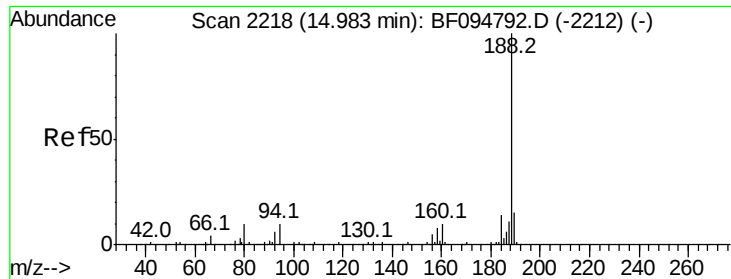
Tot Ion:138 Resp: 10514
Ion Ratio Lower Upper
138 100
92 28.5 21.8 61.8
108 43.4 42.3 82.3



#62
Azobenzene
Concen: 2.09 ng
RT: 13.76 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion: 77 Resp: 20480
Ion Ratio Lower Upper
77 100
182 481.5 0.1 40.1#
105 107.9 3.6 43.6#
51 39.9 9.4 49.4

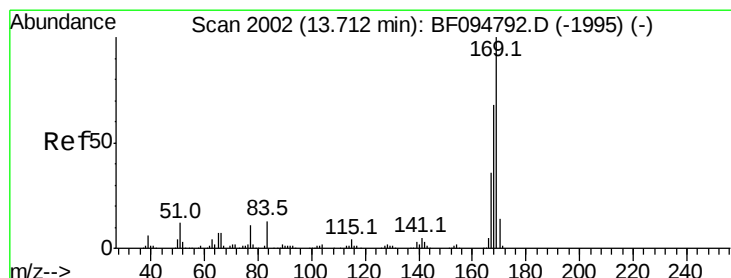
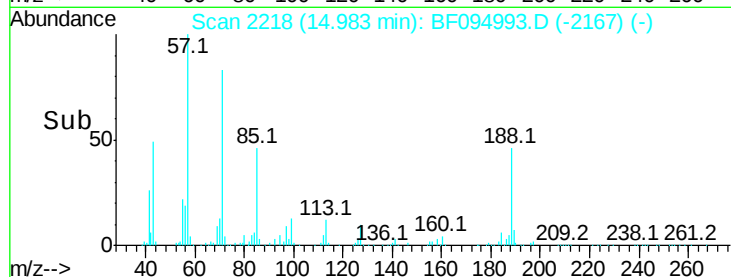
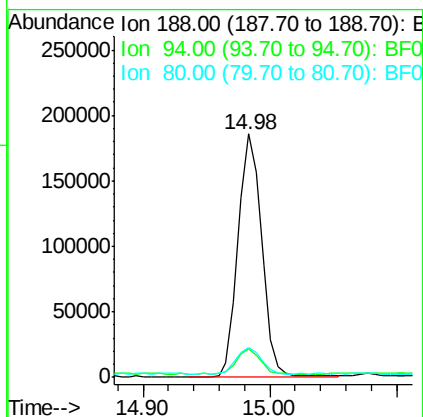
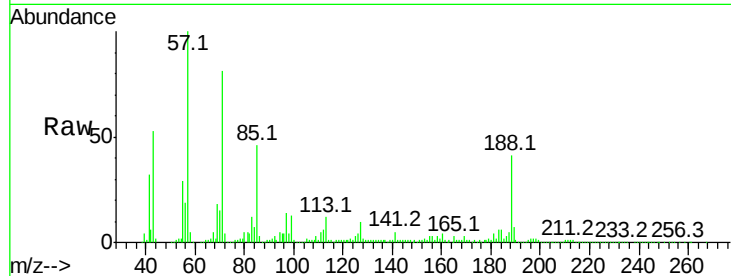




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.98 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

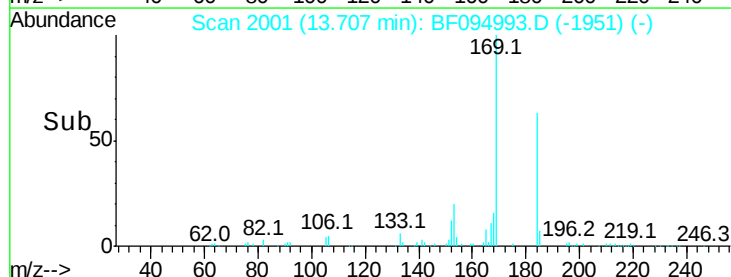
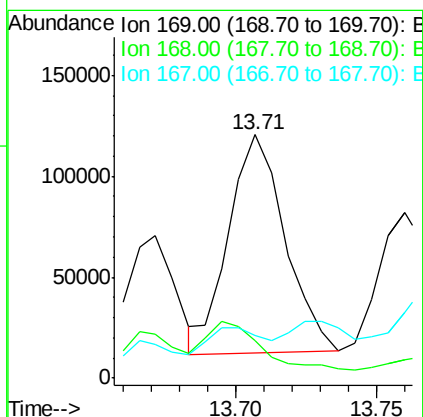
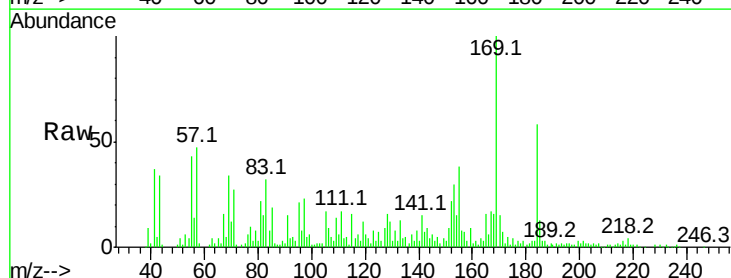
Instrument :
BNA_F
ClientSampled :

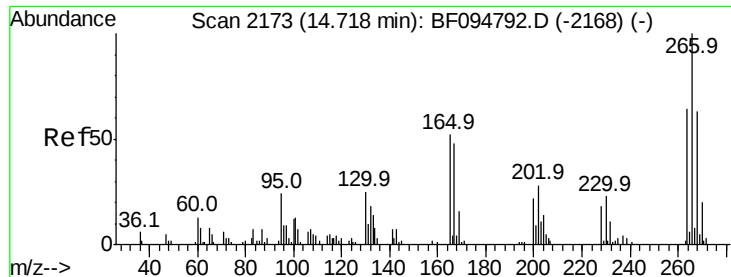
Tot Ion:188 Resp: 238440
Ion Ratio Lower Upper
188 100
94 11.8 9.4 14.2
80 12.5 10.2 15.2



#65
n-Nitrosodiphenylamine
Concen: 17.38 ng
RT: 13.71 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion:169 Resp: 150400
Ion Ratio Lower Upper
169 100
168 15.6 53.2 79.8#
167 17.5 29.5 44.3#

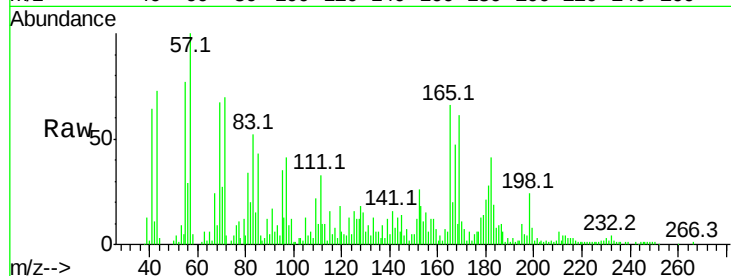




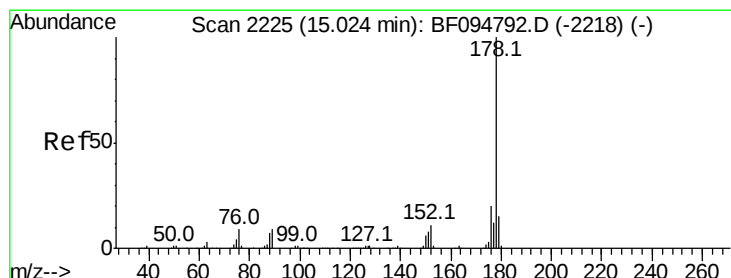
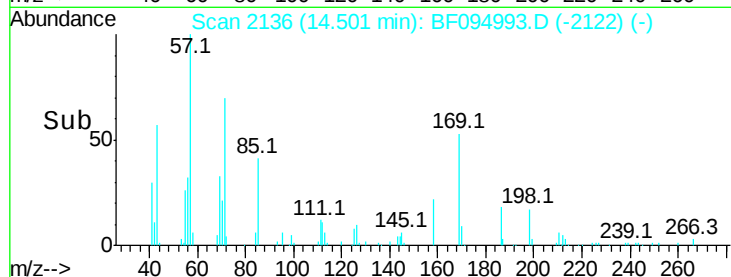
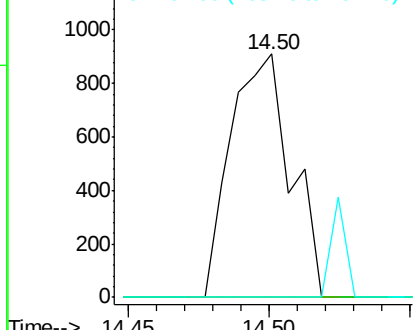
#69
 Pentachlorophenol
 Concen: 6.93 ng
 RT: 14.50 min Scan# 2136
 Delta R.T. -0.22 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 1344
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 0.0 51.7 77.5#

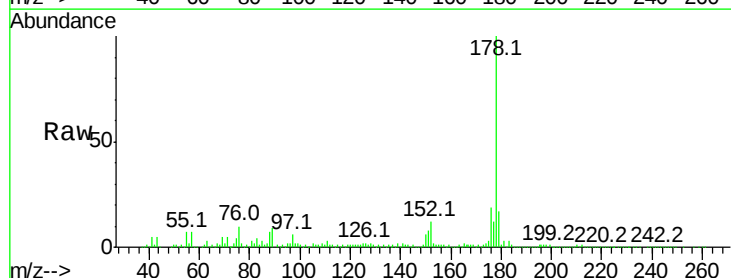


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

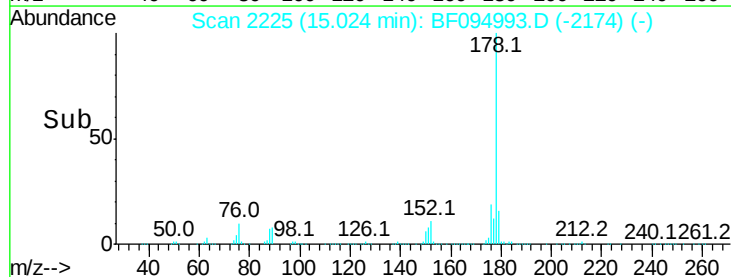
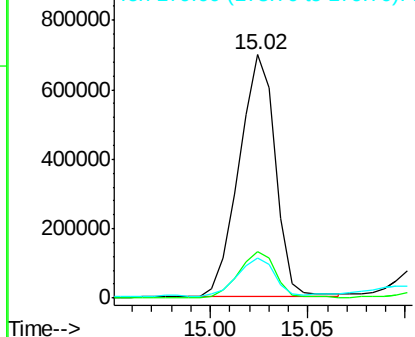


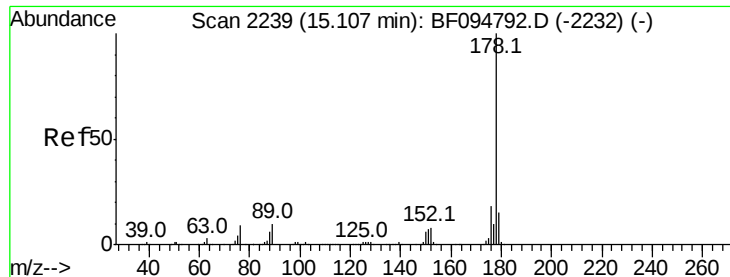
#70
 Phenanthrene
 Concen: 65.90 ng
 RT: 15.02 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

Tgt Ion:178 Resp: 902869
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 16.5 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

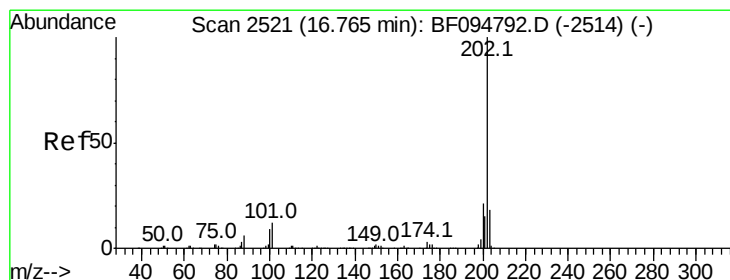
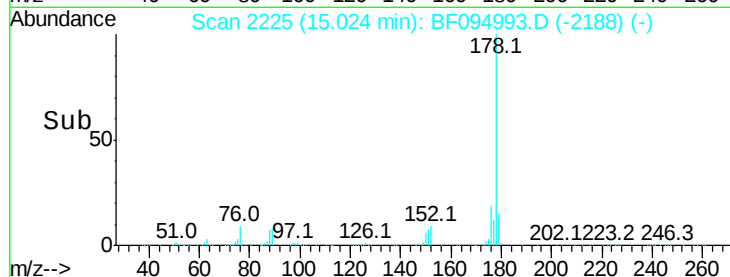
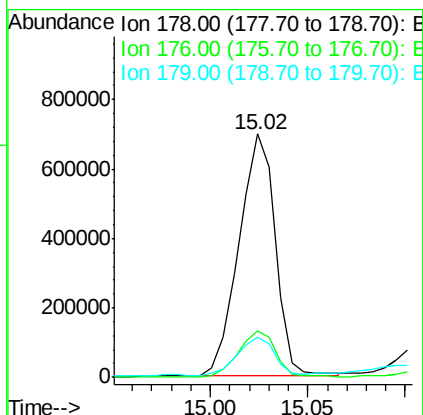
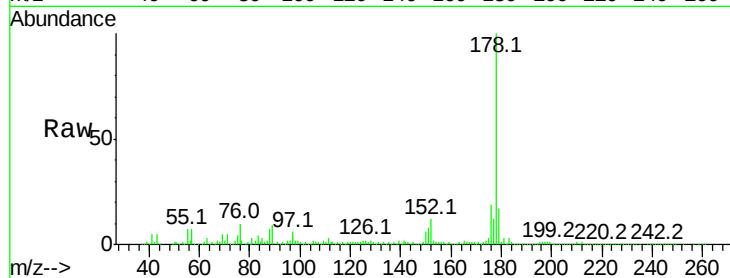




#71
 Anthracene
 Concen: 64.52 ng
 RT: 15.02 min Scan# 2225
 Delta R.T. -0.08 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

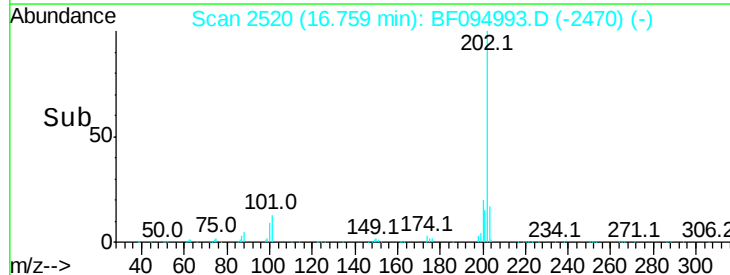
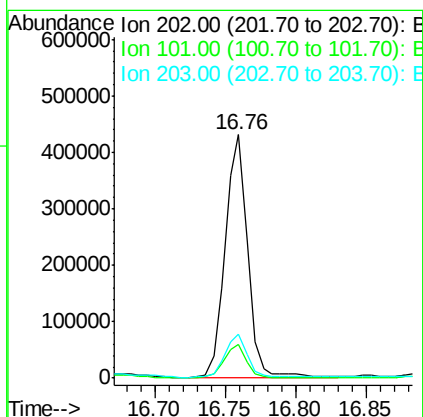
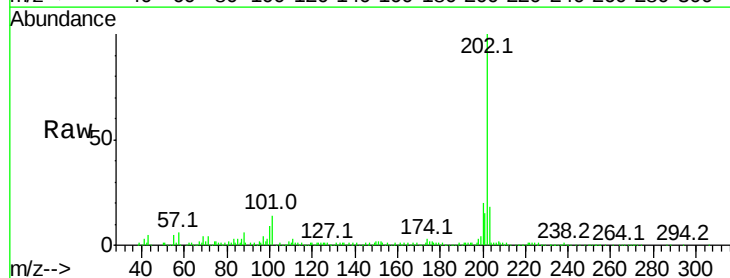
Instrument :
 BNA_F
 ClientSampleId :

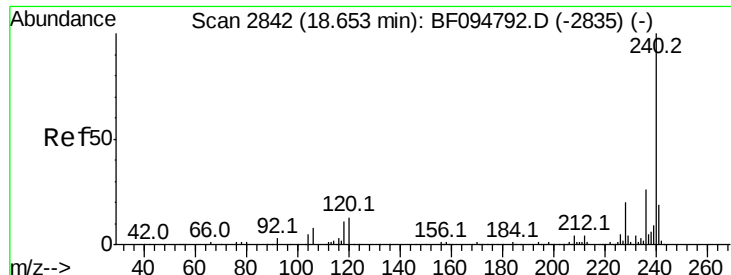
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	16.5	12.7	19.1



#74
 Fluoranthene
 Concen: 33.49 ng
 RT: 16.76 min Scan# 2520
 Delta R.T. -0.01 min
 Lab File: BF094993.D
 Acq: 8 May 2017 22:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.64 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

ClientSampleId :

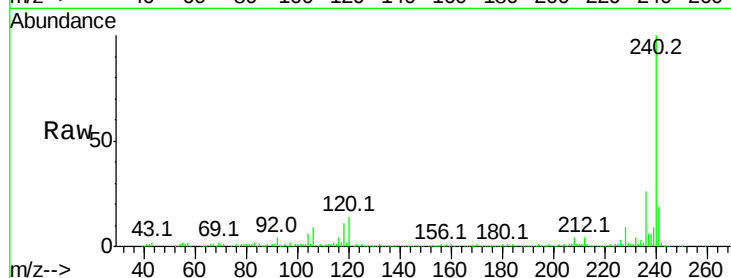
Tot Ion:240 Resp: 205835

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

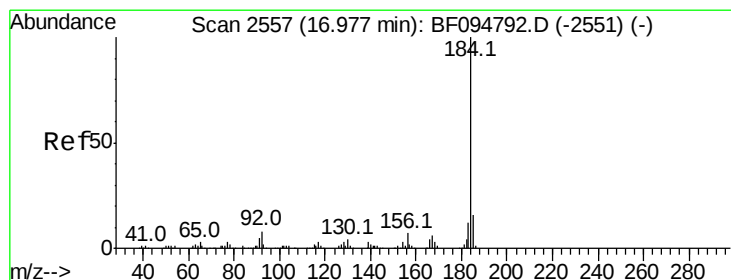
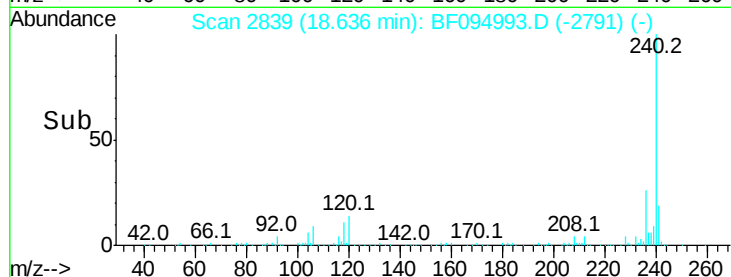
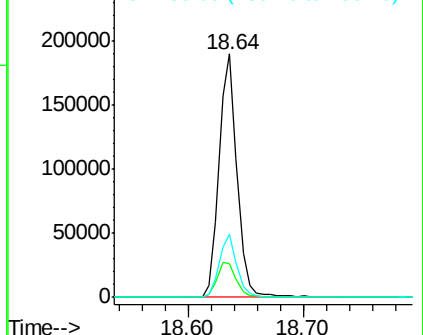
236 26.1 20.5 30.7



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



#76

Benzidine

Concen: 6.90 ng

RT: 16.98 min Scan# 2558

Delta R.T. 0.01 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

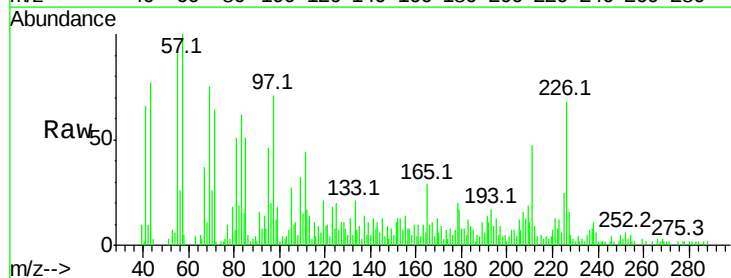
Tgt Ion:184 Resp: 1987

Ion Ratio Lower Upper

184 100

185 77.6 15.5 23.3#

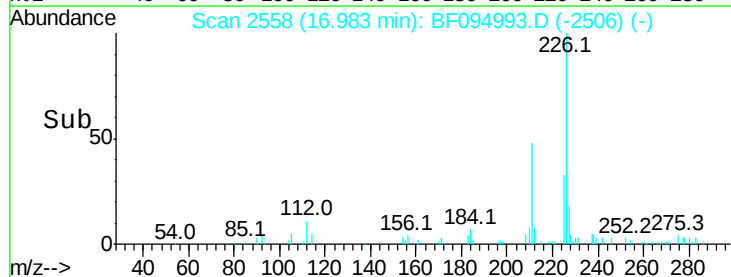
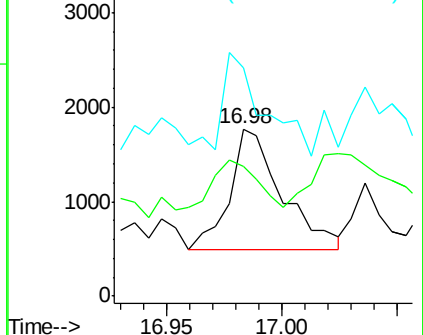
183 136.9 9.8 14.6#

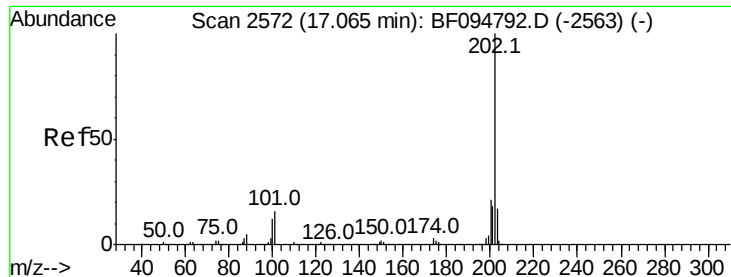


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 26.39 ng

RT: 17.06 min Scan# 2571

Delta R.T. -0.01 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

ClientSampled :

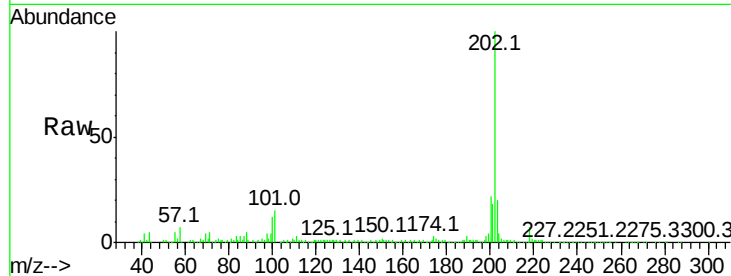
Tot Ion:202 Resp: 406219

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

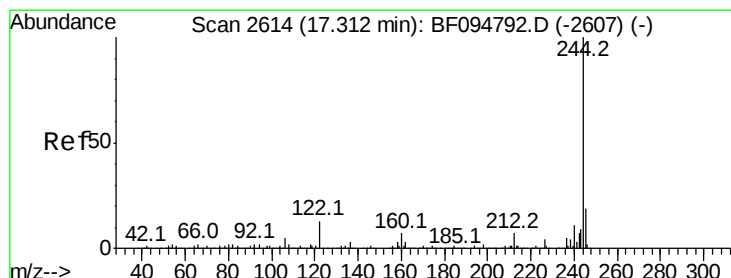
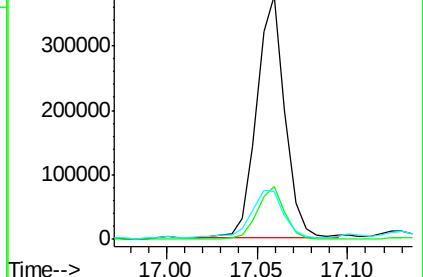
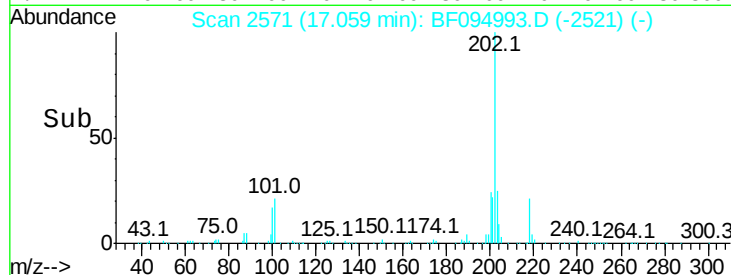
203 19.7 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 86.79 ng

RT: 17.30 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

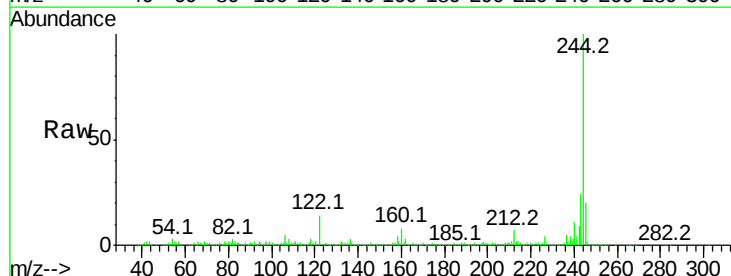
Tgt Ion:244 Resp: 811064

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

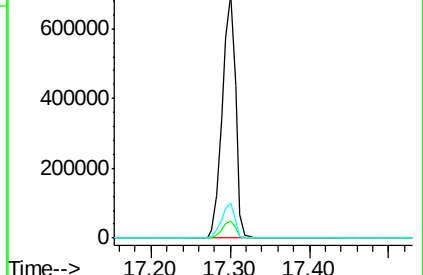
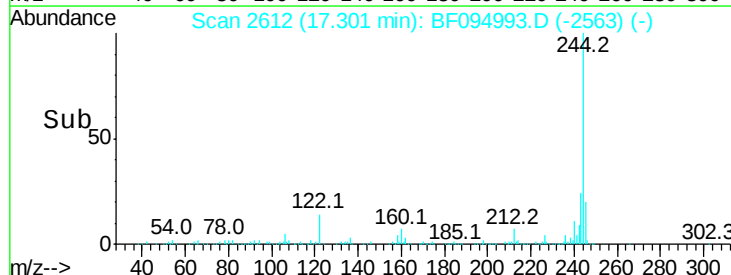
122 14.1 10.3 15.5

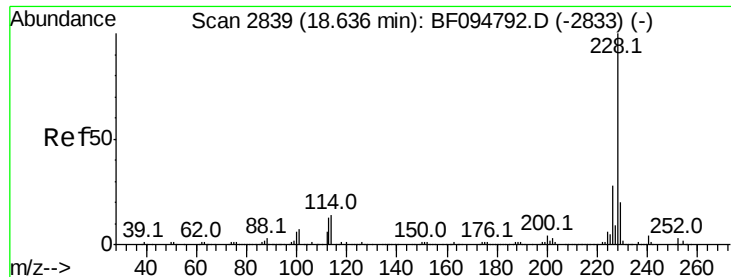


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.77 ng

RT: 18.62 min Scan# 2837

Delta R.T. -0.01 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

ClientSampled :

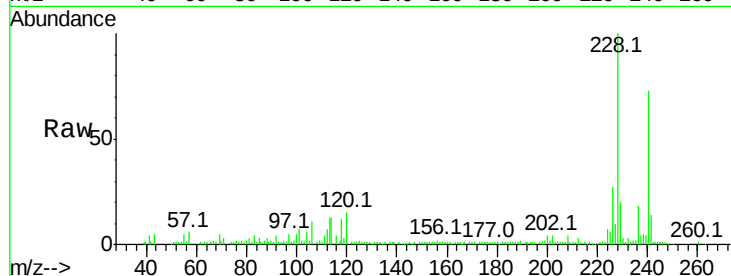
Tot Ion:228 Resp: 81116

Ion Ratio Lower Upper

228 100

226 26.9 22.6 33.8

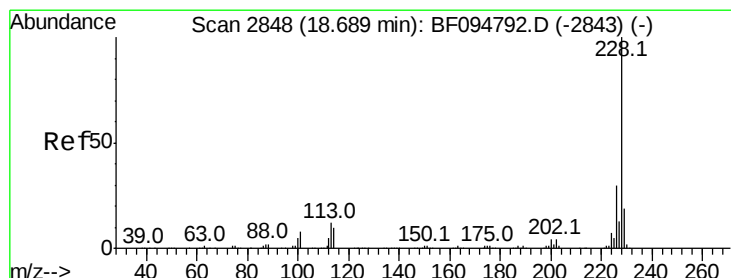
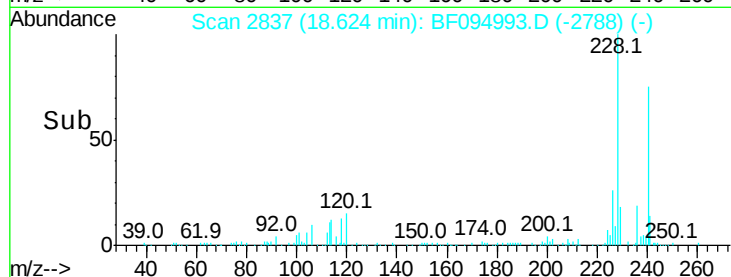
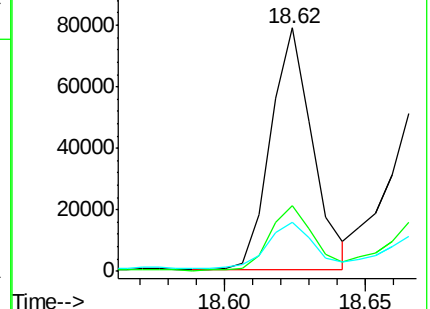
229 20.3 16.3 24.5



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: 6.72 ng

RT: 18.67 min Scan# 2844

Delta R.T. -0.02 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

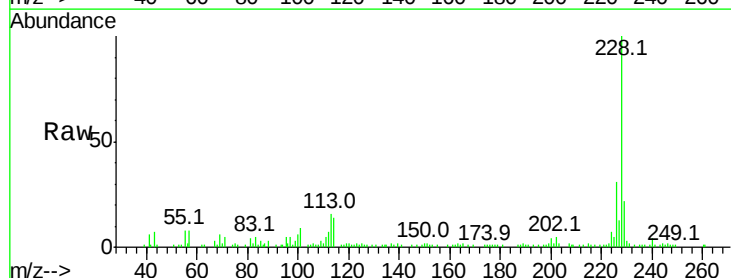
Tgt Ion:228 Resp: 77841

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

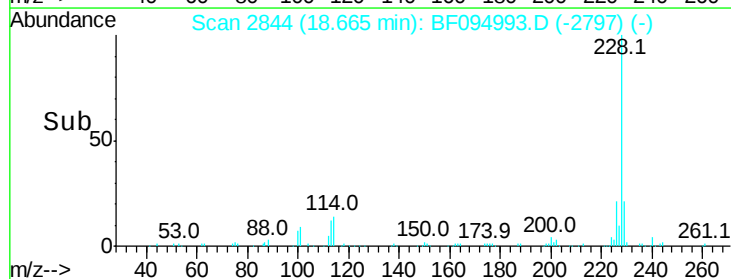
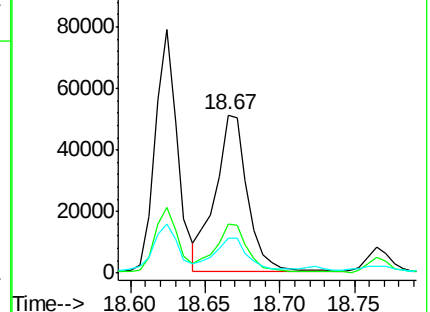
229 22.4 15.8 23.6

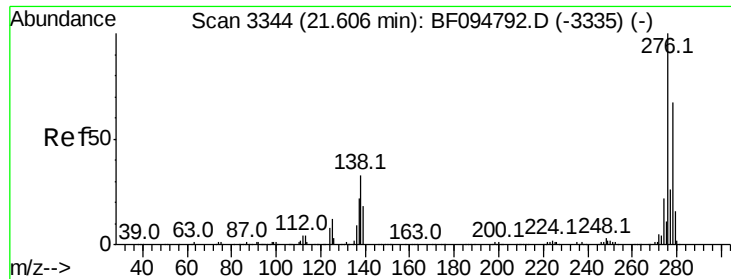


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

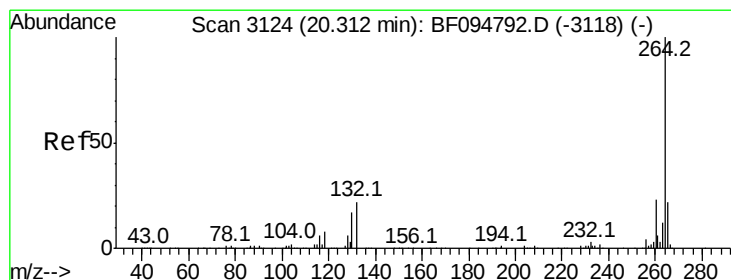
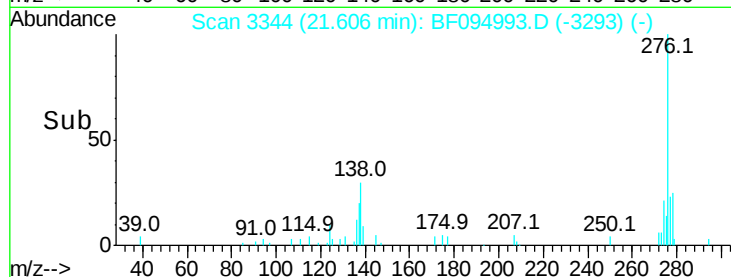
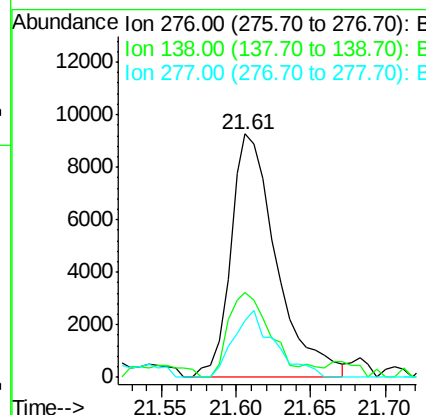
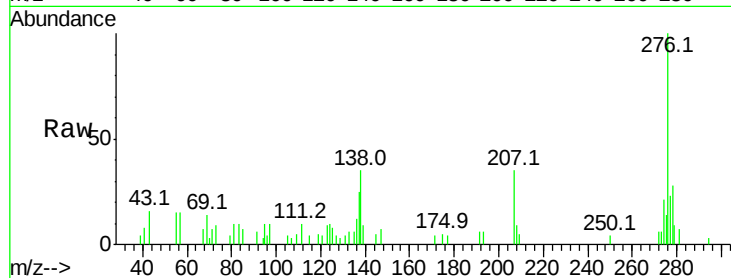




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.10 ng
RT: 21.61 min Scan# 3344
Delta R.T. 0.00 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

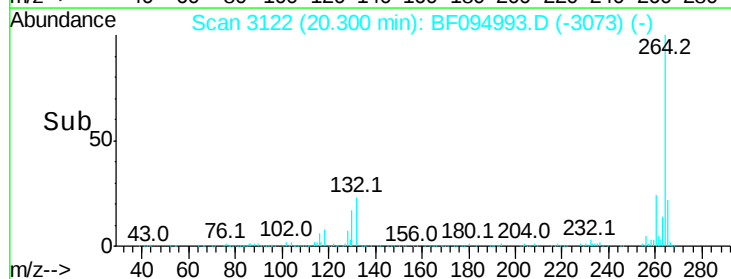
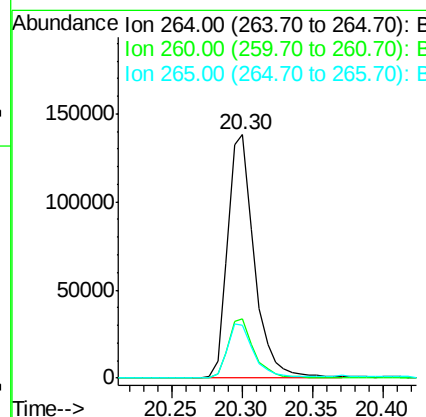
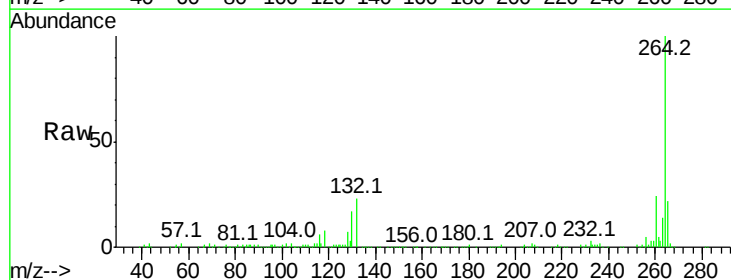
Instrument :
BNA_F
ClientSampleId :

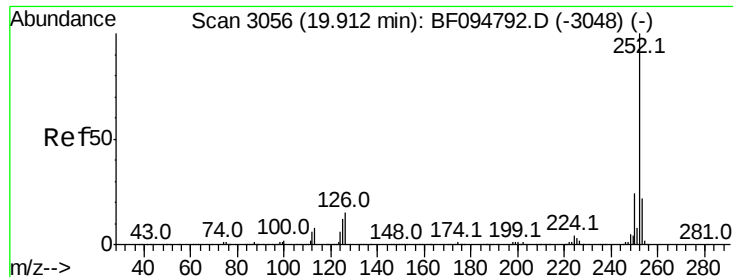
Tot Ion:276 Resp: 19798
Ion Ratio Lower Upper
276 100
138 34.0 27.8 41.6
277 24.7 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion:264 Resp: 182427
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 21.7 17.2 25.8

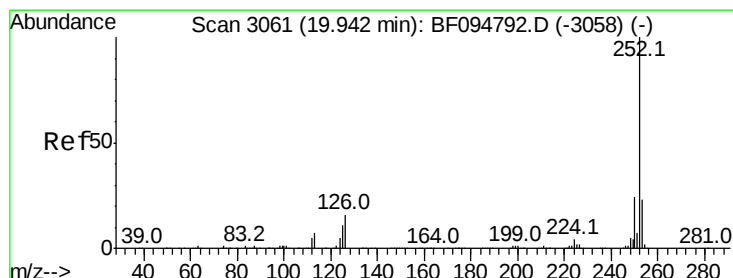
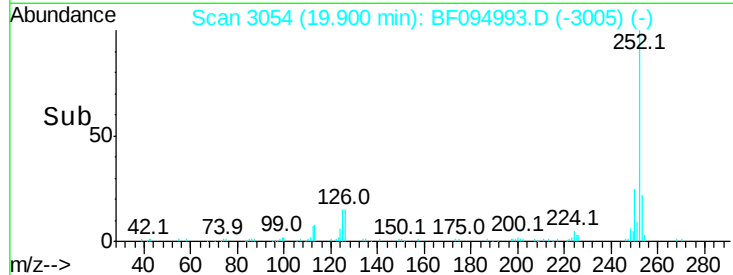
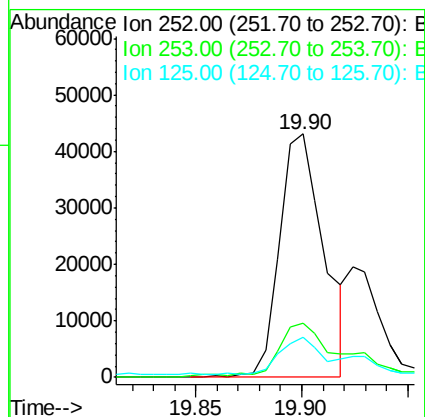
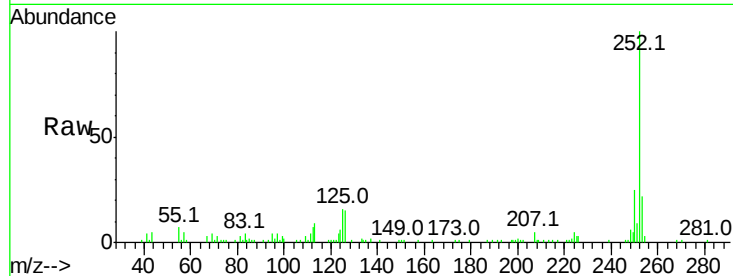




#87
Benzo(b)fluoranthene
Concen: 5.56 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

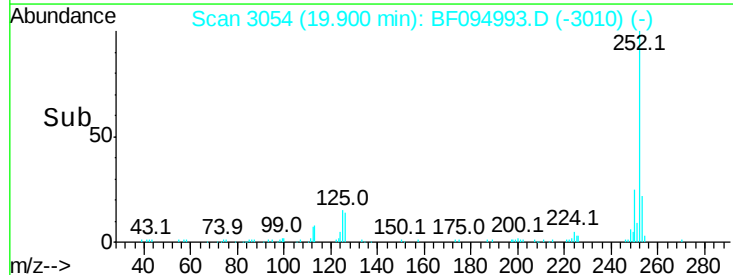
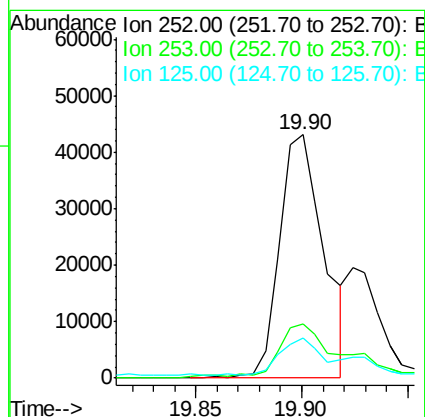
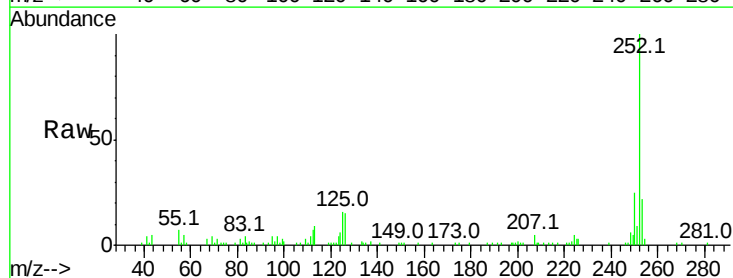
Instrument :
BNA_F
ClientSampled :

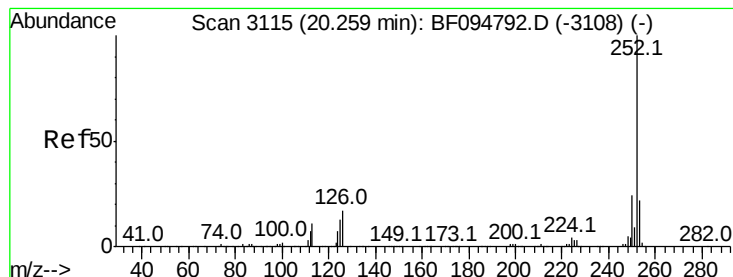
Tot Ion:252 Resp: 62696
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 16.4 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 5.77 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.04 min
Lab File: BF094993.D
Acq: 8 May 2017 22:13

Tgt Ion:252 Resp: 62696
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 16.4 13.1 19.7





#89

Benzo(a)pyrene

Concen: 4.23 ng

RT: 20.25 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BF094993.D

Acq: 8 May 2017 22:13

Instrument :

BNA_F

ClientSampleId :

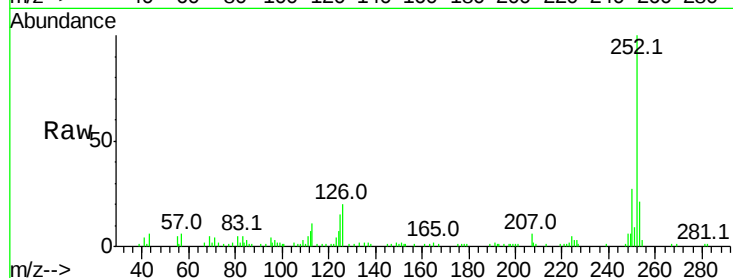
Tot Ion:252 Resp: 44037

Ion Ratio Lower Upper

252 100

253 21.1 17.5 26.3

125 15.5 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

