

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
 Data File : BF094418.D
 Acq On : 14 Apr 2017 4:58
 Operator : SJ/MA
 Sample : I2672-20 20X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 14 05:20:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 01:21:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.79	152	20814	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	81035	20.00	ng	-0.05
38) Acenaphthene-d10	9.43	164	35375	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	52906	20.00	ng	-0.05
75) Chrysene-d12	14.49	240	44667	20.00	ng	-0.06
86) Perylene-d12	16.12	264	34491	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	8144	6.61	ng	-0.04
7) Phenol-d6	5.42	99	10171	6.67	ng	-0.05
23) Nitrobenzene-d5	6.43	82	11974	8.43	ng	-0.06
41) 2,4,6-Tribromophenol	10.40	330	1027	3.67	ng	-0.04
44) 2-Fluorobiphenyl	8.61	172	14326	6.18	ng	-0.05
78) Terphenyl-d14	13.22	244	9700	4.87	ng	-0.06

Target Compounds						Qvalue
18) Hexachloroethane	6.36	117	2982	5.51	ng	# 1
19) n-Nitroso-di-n-propylamine	6.27	70	4091	4.18	ng	# 64
22) Acetophenone	6.25	105	21008	11.63	ng	# 48
25) Isophorone	6.73	82	11644	4.67	ng	# 1
26) 2-Nitrophenol	6.86	139	2665	3.99	ng	# 1
27) 2,4-Dimethylphenol	6.93	122	2451	2.13	ng	90
31) Naphthalene	7.32	128	596102	152.99	ng	99
33) 4-Chloroaniline	7.36	127	3306	2.09	ng	# 1
35) Caprolactam	7.79	113	4290	12.50	ng	# 1
37) 2-Methylnaphthalene	8.16	142	718030	276.44	ng	98
42) 2,4,6-Trichlorophenol	8.58	196	3523	5.15	ng	87
43) 2,4,5-Trichlorophenol	8.58	196	3523	4.76	ng	# 1
45) 1,1'-Biphenyl	8.73	154	152369	53.40	ng	98
47) 2-Nitroaniline	8.89	65	4325	6.53	ng	# 1
48) Acenaphthylene	9.26	152	21214	5.71	ng	# 12
50) 2,6-Dinitrotoluene	9.20	165	1575	2.73	ng	# 75
51) Acenaphthene	9.47	154	351987	162.51	ng	99
52) 3-Nitroaniline	9.41	138	2082	3.08	ng	# 29
53) 2,4-Dinitrophenol	9.59	184	249	5.42	ng	# 1
54) Dibenzofuran	9.68	168	369248	125.23	ng	97
55) 4-Nitrophenol	9.62	139	6125	11.55	ng	# 47
56) 2,4-Dinitrotoluene	9.70	165	19515	26.95	ng	# 59
57) Fluorene	10.10	166	368446	150.68	ng	98
58) 2,3,4,6-Tetrachlorophenol	9.84	232	2153	4.24	ng	# 23
62) Azobenzene	10.30	77	9017	3.84	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.20	198	1603	4.95	ng	# 1
65) n-Nitrosodiphenylamine	10.17	169	54175	29.61	ng	93
70) Phenanthrene	11.28	178	1188813	403.94	ng	99
71) Anthracene	11.28	178	1188813	392.31	ng	100
74) Fluoranthene	12.74	202	569926	189.12	ng	99
77) Pyrene	13.02	202	409541	126.34	ng	99
80) Benzo(a)anthracene	14.48	228	102334	39.29	ng	99
82) Chrysene	14.48	228	102334	42.34	ng	96
85) Indeno(1,2,3-cd)pyrene	17.40	276	9179	4.38	ng	# 73

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Response via : Initial Calibration

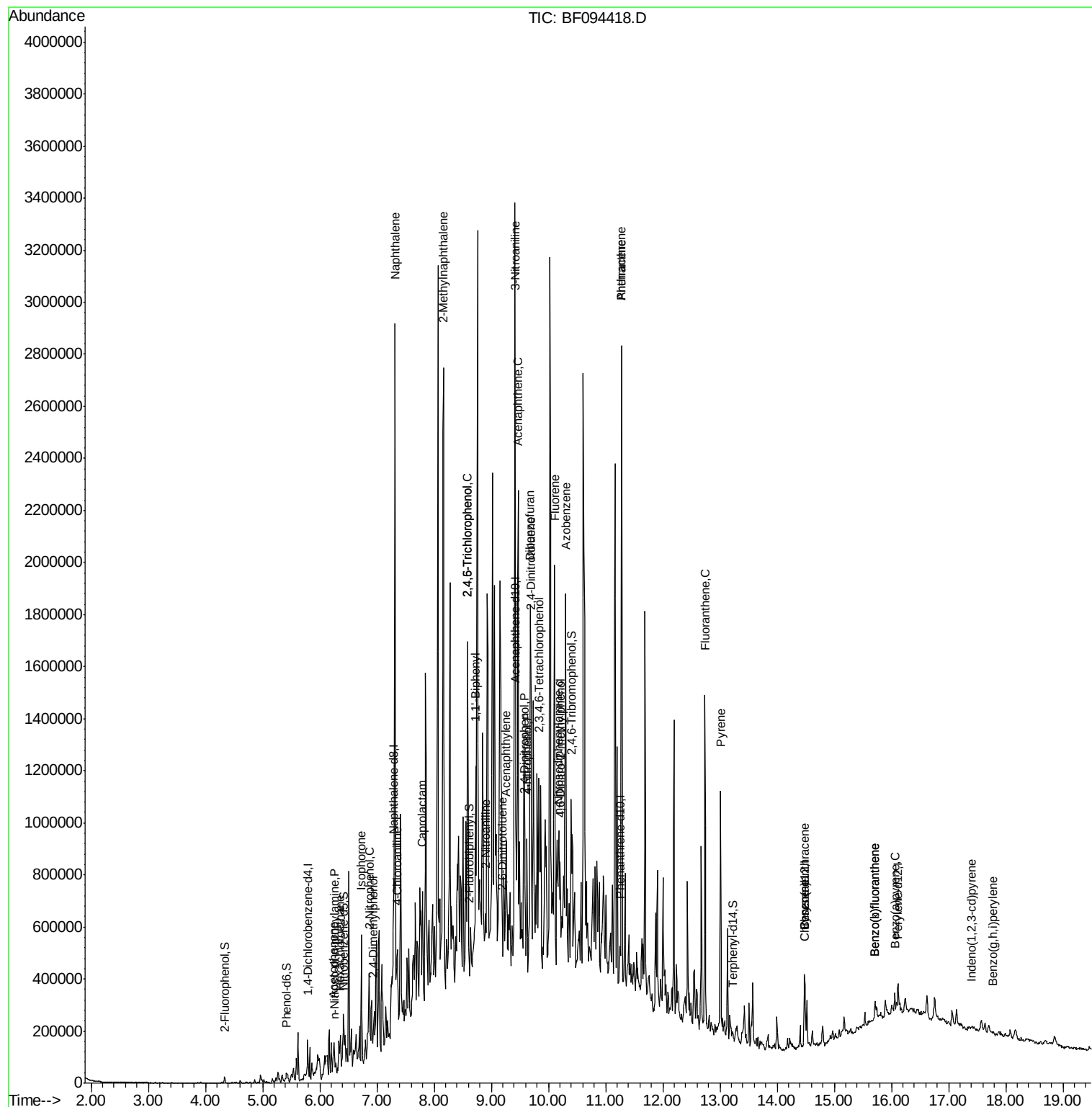
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	15.72	252	59284	28.04	ng	# 92
88) Benzo(k)fluoranthene	15.72	252	59284	28.66	ng	96
89) Benzo(a)pyrene	16.06	252	27961	14.36	ng	# 88
91) Benzo(g,h,i)perylene	17.78	276	6361	3.83	ng	90

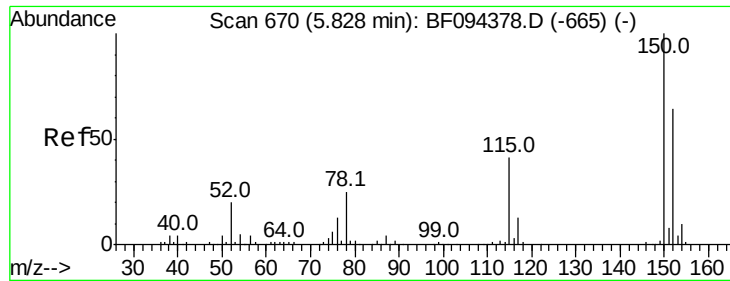
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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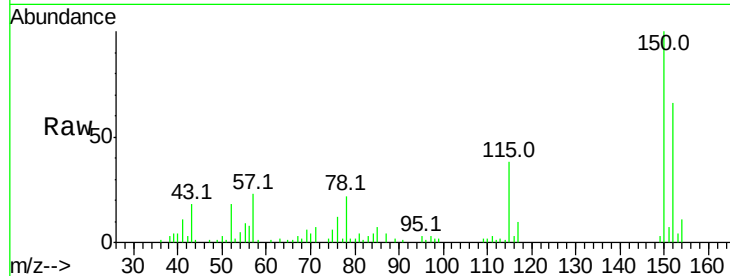


#1

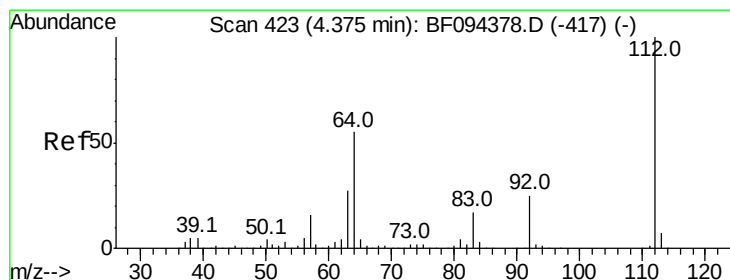
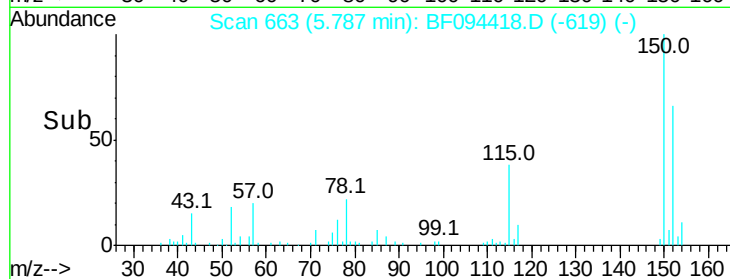
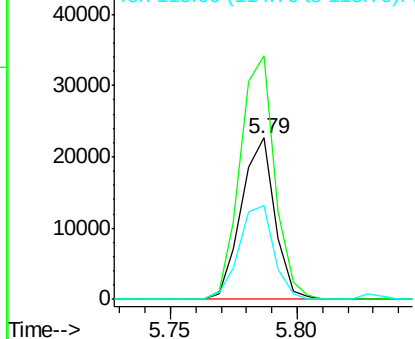
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.79 min Scan# 663
 Delta R.T. -0.04 min
 Lab File: BF094418.D
 Acq: 14 Apr 2017 4:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 20814
 Ion Ratio Lower Upper
 152 100
 150 151.1 126.2 189.2
 115 58.1 52.2 78.2



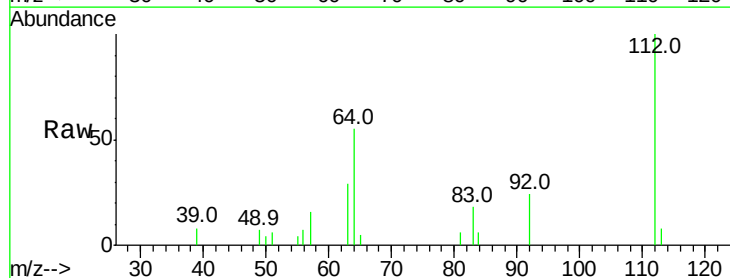
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



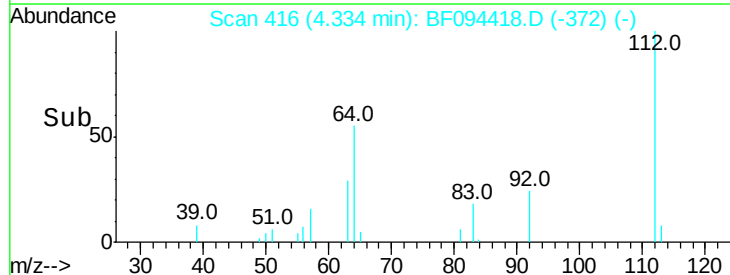
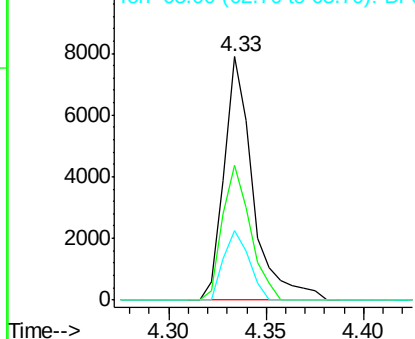
#5

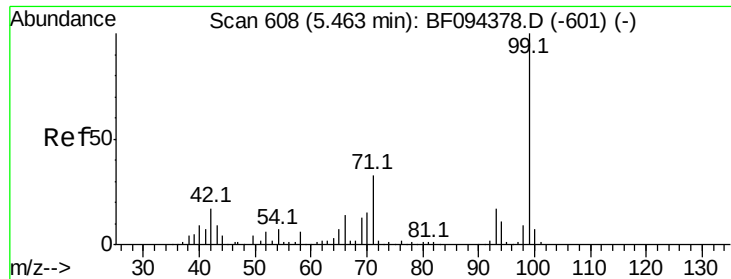
2-Fluorophenol
 Concen: 6.61 ng
 RT: 4.33 min Scan# 416
 Delta R.T. -0.04 min
 Lab File: BF094418.D
 Acq: 14 Apr 2017 4:58

Tgt Ion:112 Resp: 8144
 Ion Ratio Lower Upper
 112 100
 64 55.2 46.0 69.0
 63 28.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 6.67 ng

RT: 5.42 min Scan# 600

Delta R.T. -0.05 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampleId :

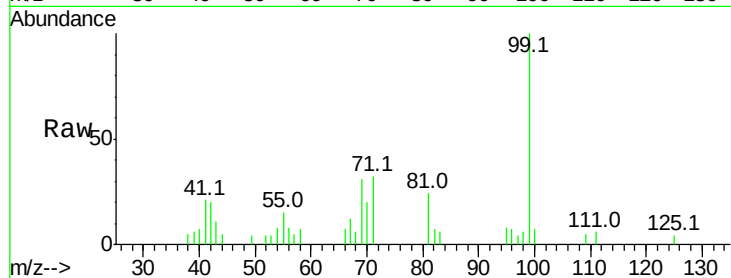
Tot Ion: 99 Resp: 10171

Ion Ratio Lower Upper

99 100

42 20.3 13.5 20.3#

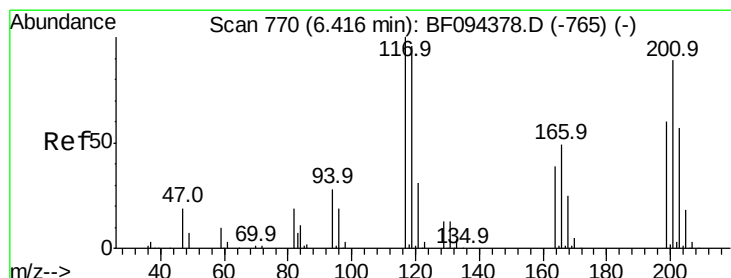
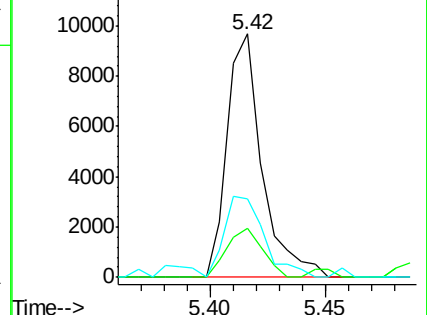
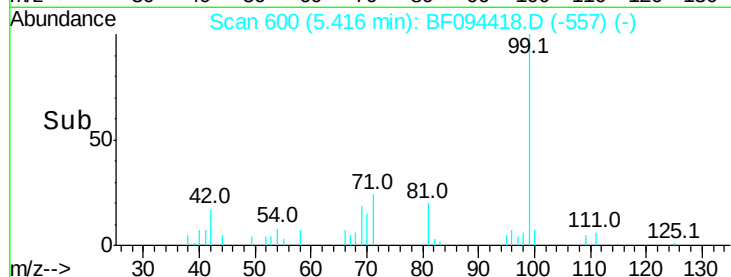
71 32.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#18

Hexachloroethane

Concen: 5.51 ng

RT: 6.36 min Scan# 761

Delta R.T. -0.05 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

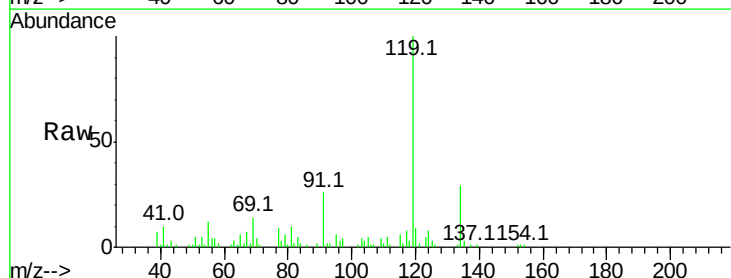
Tgt Ion: 117 Resp: 2982

Ion Ratio Lower Upper

117 100

119 1231.2 77.4 116.0#

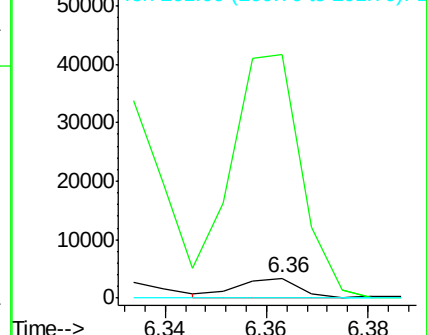
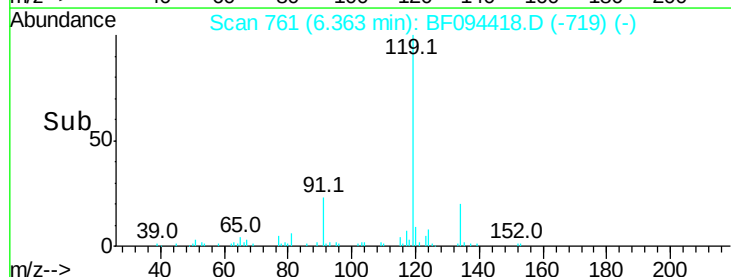
201 0.0 94.6 141.8#

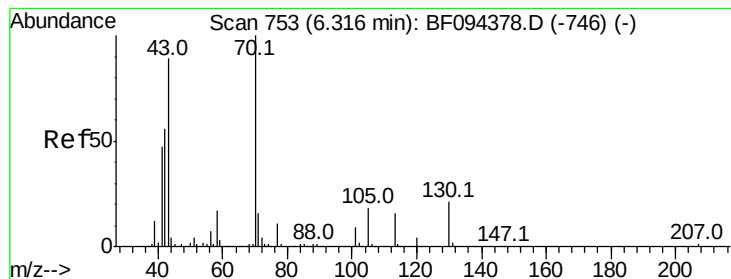


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 4.18 ng

RT: 6.27 min Scan# 745

Delta R.T. -0.05 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 4091

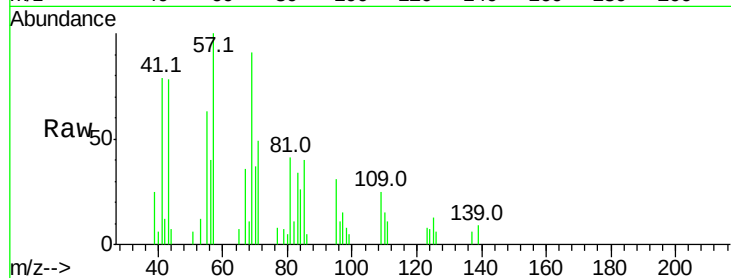
Ion Ratio Lower Upper

70 100

42 32.4 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

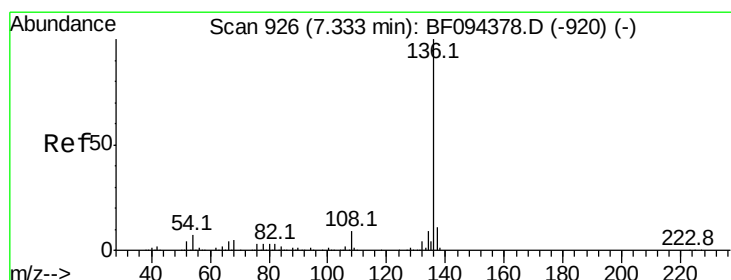
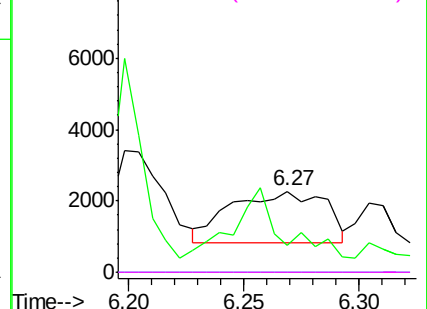
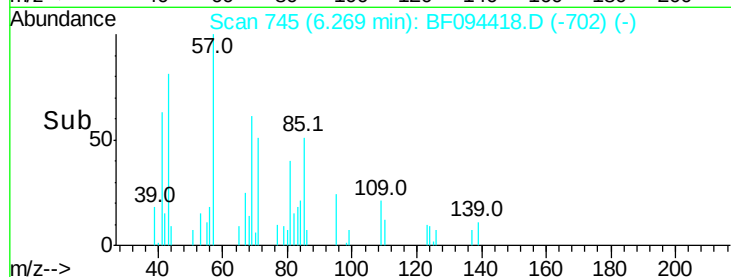


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.29 min Scan# 918

Delta R.T. -0.05 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Tgt Ion: 136 Resp: 81035

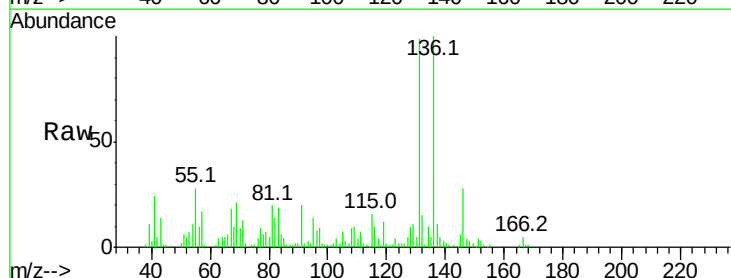
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 11.1 4.9 7.3#

68 9.7 4.1 6.1#

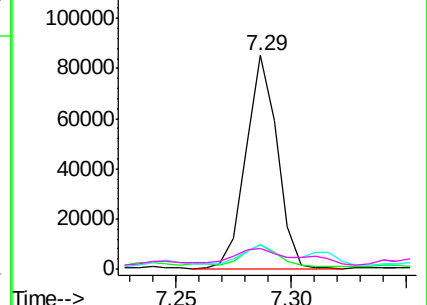
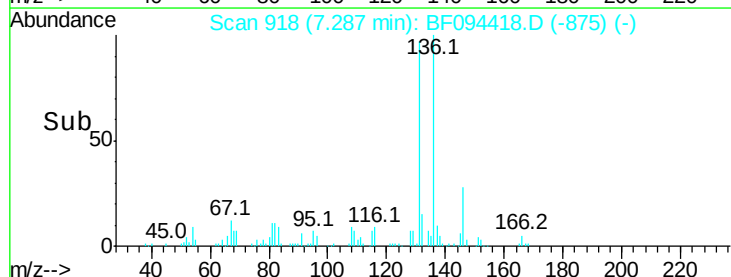


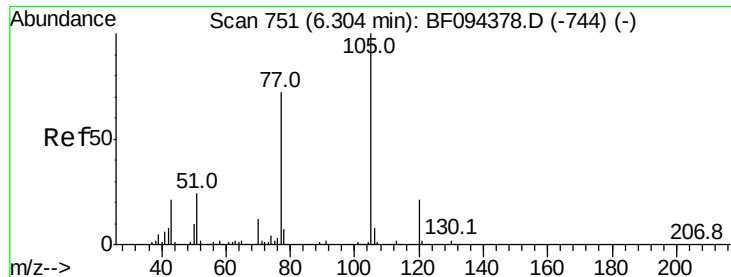
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 11.63 ng

RT: 6.25 min Scan# 741

Delta R.T. -0.06 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 21008

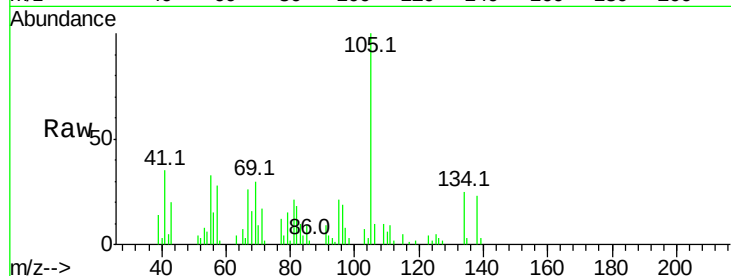
Ion Ratio Lower Upper

105 100

71 17.3 2.8 4.2#

51 4.1 30.7 46.1#

120 0.0 17.4 26.0#

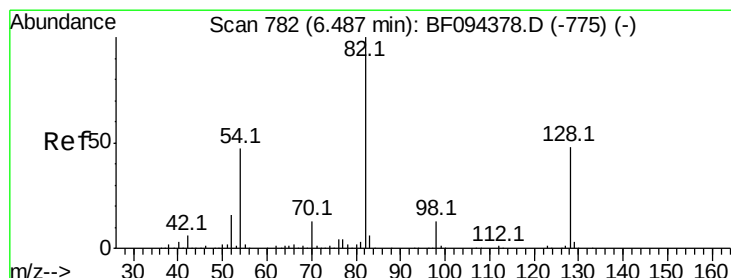
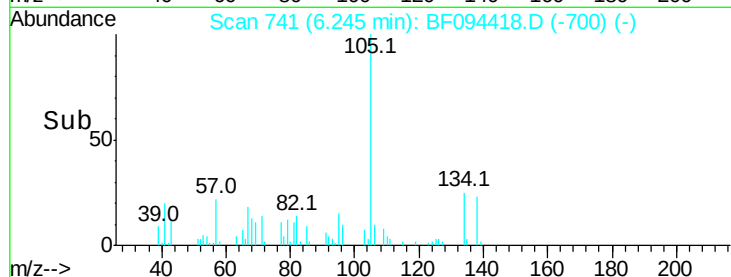
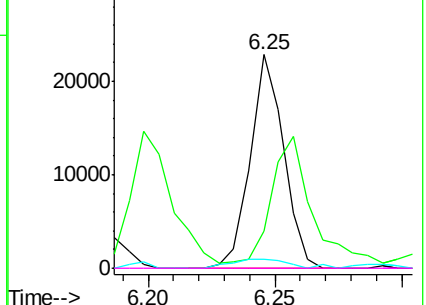


Abundance Ion 105.00 (104.70 to 105.70): E

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



#23

Nitrobenzene-d5

Concen: 8.43 ng

RT: 6.43 min Scan# 772

Delta R.T. -0.06 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

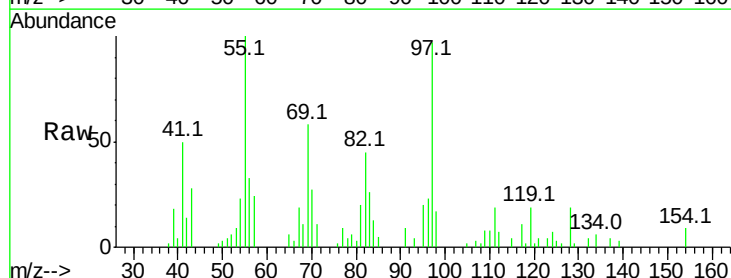
Tgt Ion: 82 Resp: 11974

Ion Ratio Lower Upper

82 100

128 41.8 34.0 51.0

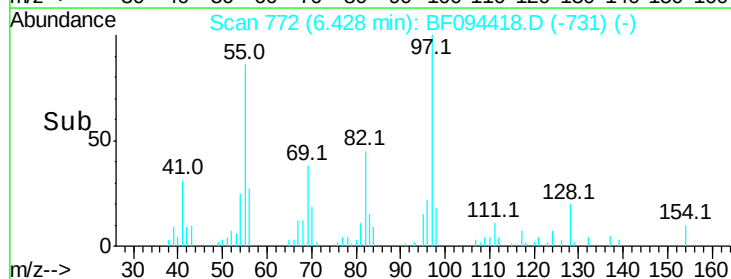
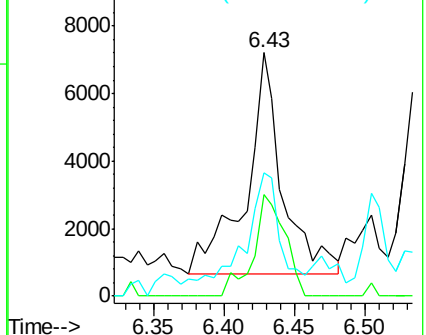
54 50.5 42.2 63.2

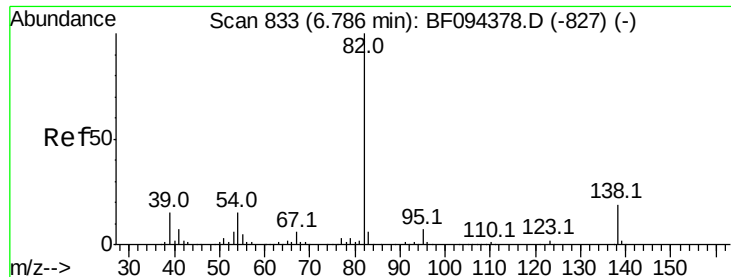


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 4.67 ng

RT: 6.73 min Scan# 823

Delta R.T. -0.06 min

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Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampleId :

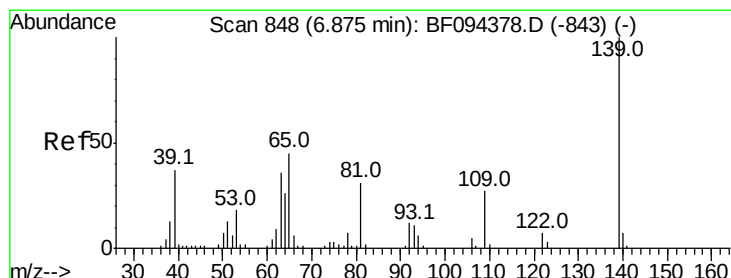
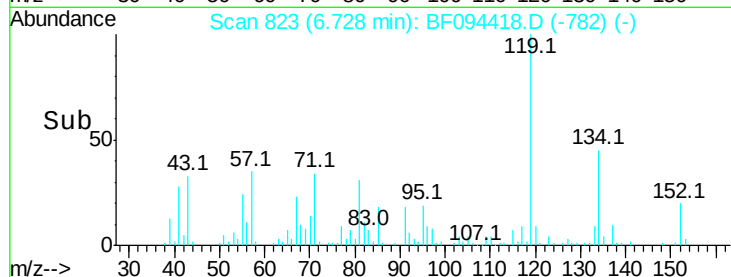
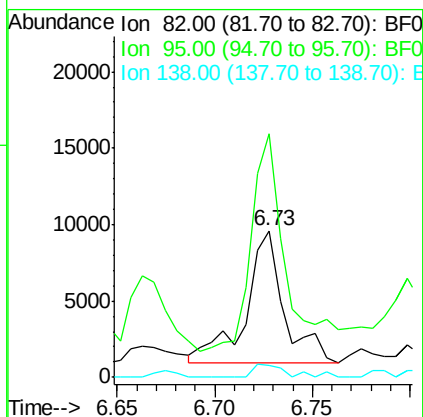
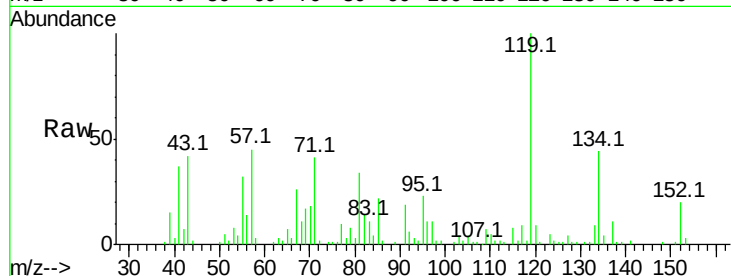
Tot Ion: 82 Resp: 11644

Ion Ratio Lower Upper

82 100

95 165.9 5.3 7.9#

138 8.1 13.1 19.7#



#26

2-Nitrophenol

Concen: 3.99 ng

RT: 6.86 min Scan# 845

Delta R.T. -0.02 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

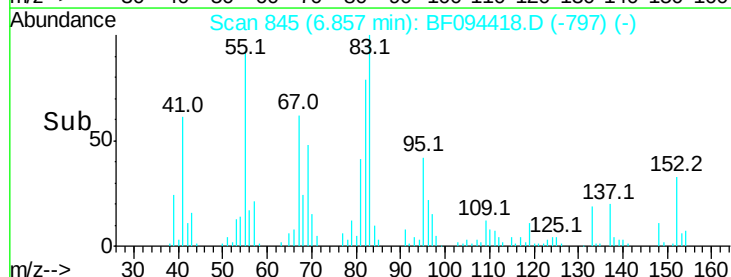
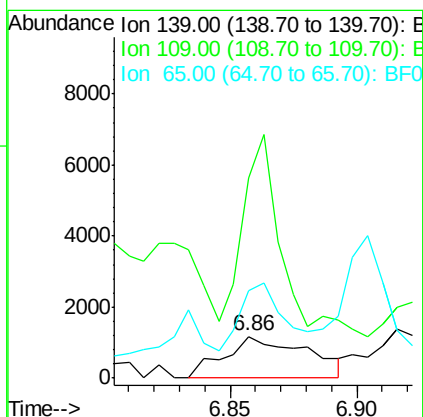
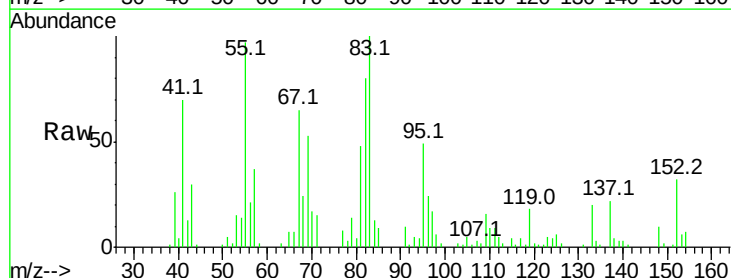
Tgt Ion:139 Resp: 2665

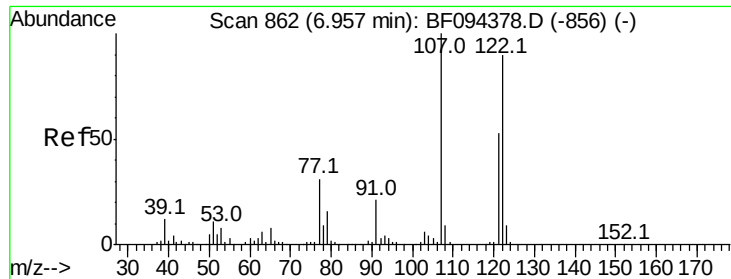
Ion Ratio Lower Upper

139 100

109 477.6 21.0 31.6#

65 208.2 33.0 49.6#

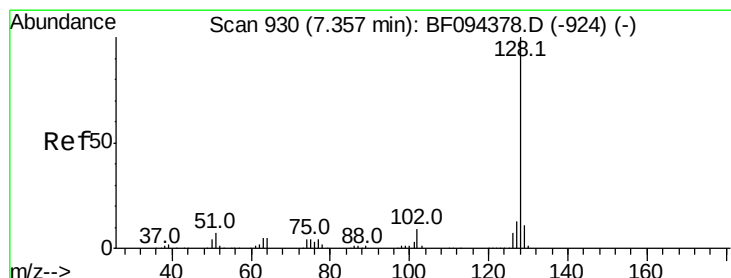
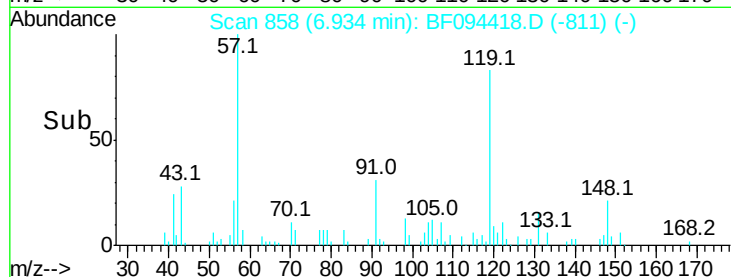
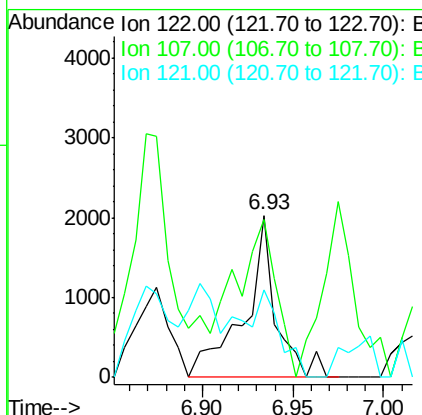
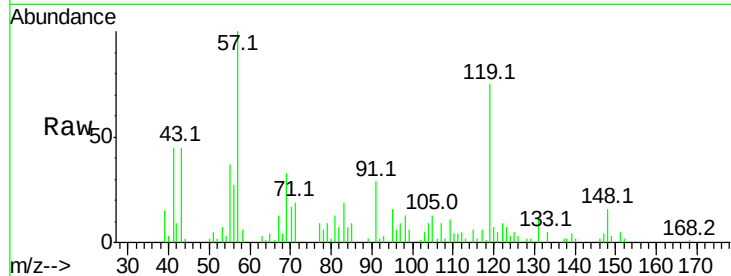




#27
2,4-Dimethylphenol
Concen: 2.13 ng
RT: 6.93 min Scan# 858
Delta R.T. -0.02 min
Lab File: BF094418.D
Acq: 14 Apr 2017 4:58

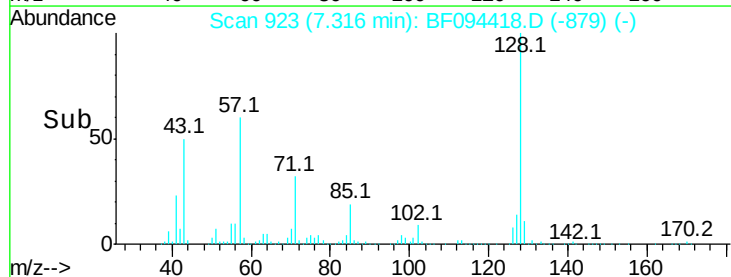
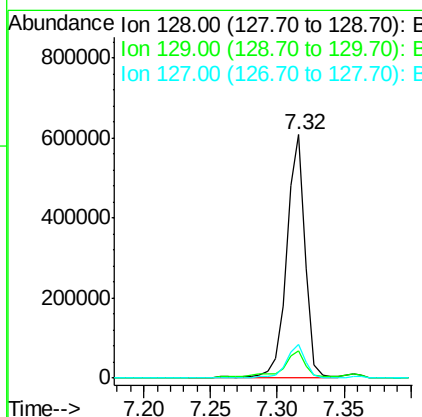
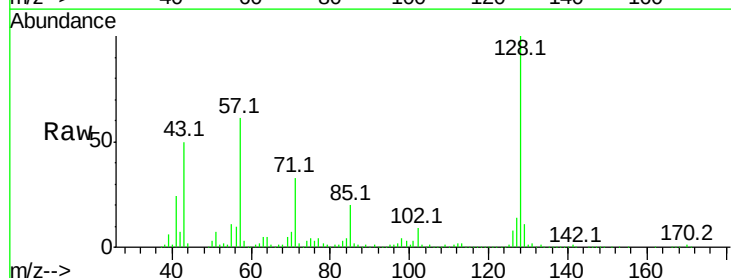
Instrument :
BNA_F
ClientSampled :

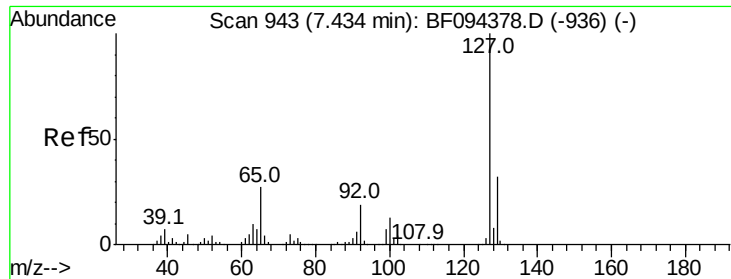
Tot Ion:122 Resp: 2451
Ion Ratio Lower Upper
122 100
107 97.6 89.2 133.8
121 54.1 45.2 67.8



#31
Naphthalene
Concen: 152.99 ng
RT: 7.32 min Scan# 923
Delta R.T. -0.04 min
Lab File: BF094418.D
Acq: 14 Apr 2017 4:58

Tgt Ion:128 Resp: 596102
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.8 10.8 16.2

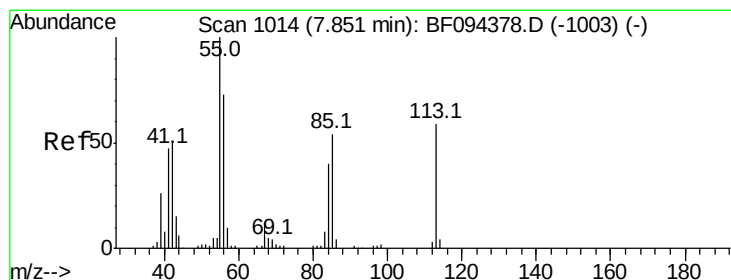
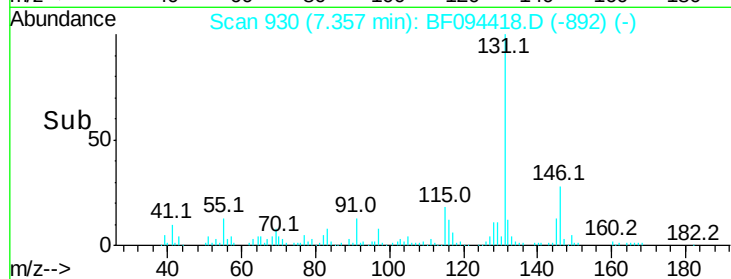
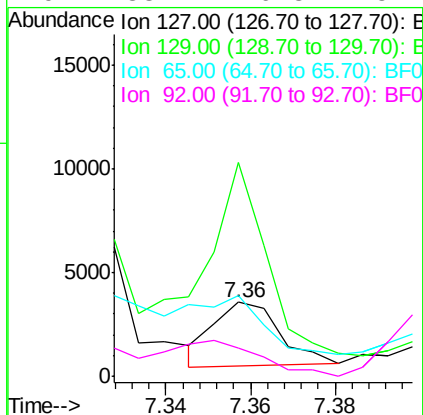
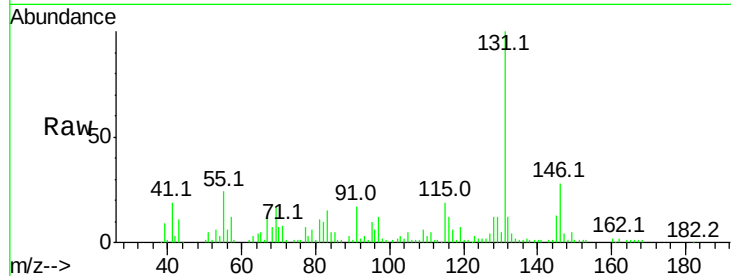




#33
 4-Chloroaniline
 Concen: 2.09 ng
 RT: 7.36 min Scan# 930
 Delta R.T. -0.08 min
 Lab File: BF094418.D
 Acq: 14 Apr 2017 4:58

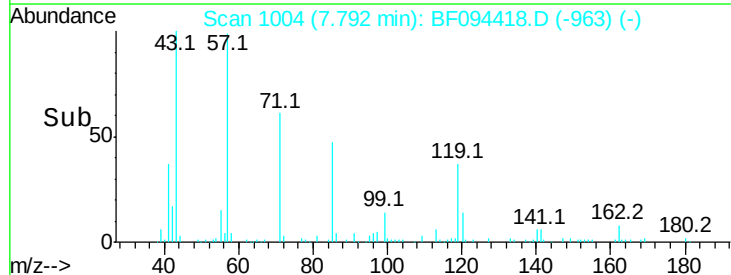
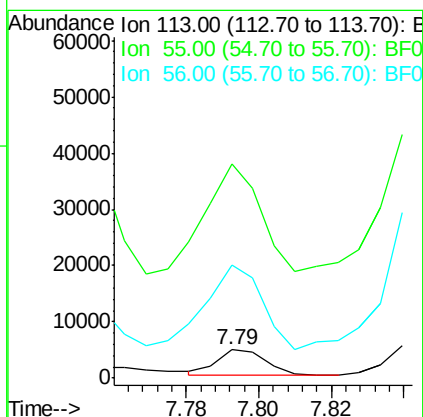
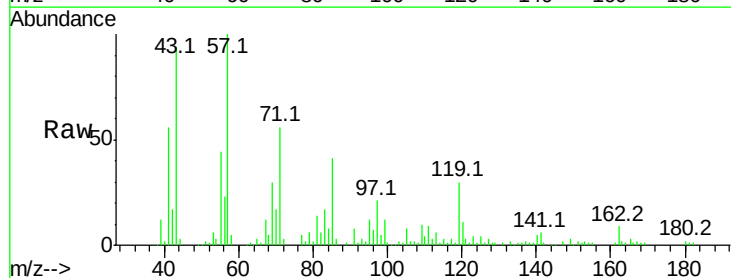
Instrument :
 BNA_F
 ClientSampled :

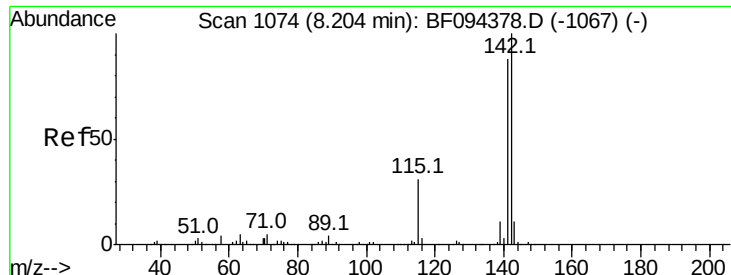
Tot Ion:127	Resp:	3306
Ion Ratio	Lower	Upper
127	100	
129	289.4	26.2 39.2#
65	110.1	27.8 41.8#
92	38.4	16.8 25.2#



#35
 Caprolactam
 Concen: 12.50 ng
 RT: 7.79 min Scan# 1004
 Delta R.T. -0.06 min
 Lab File: BF094418.D
 Acq: 14 Apr 2017 4:58

Tgt Ion:113	Resp:	4290
Ion Ratio	Lower	Upper
113	100	
55	766.8	150.2 190.2#
56	405.4	107.8 147.8#

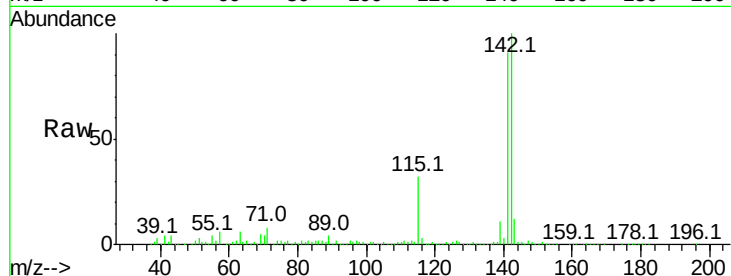




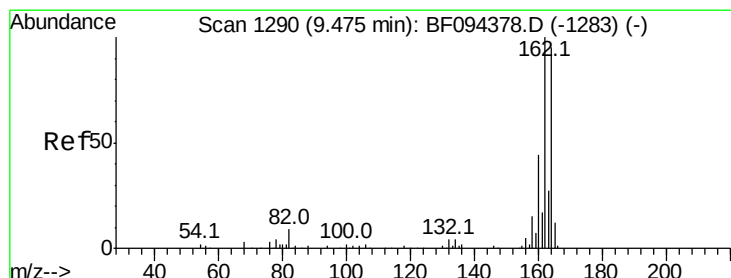
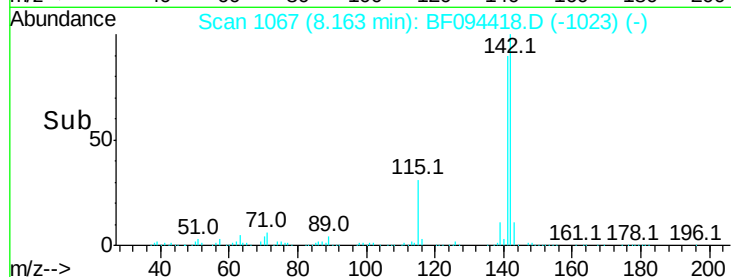
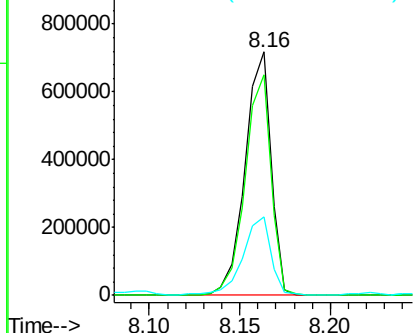
#37
2-Methylnaphthalene
Concen: 276.44 ng
RT: 8.16 min Scan# 1067
Delta R.T. -0.04 min
Lab File: BF094418.D
Acq: 14 Apr 2017 4:58

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.3	106.9
115	32.0	27.1	40.7

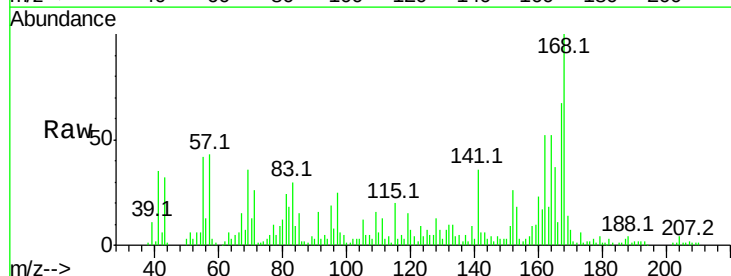


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

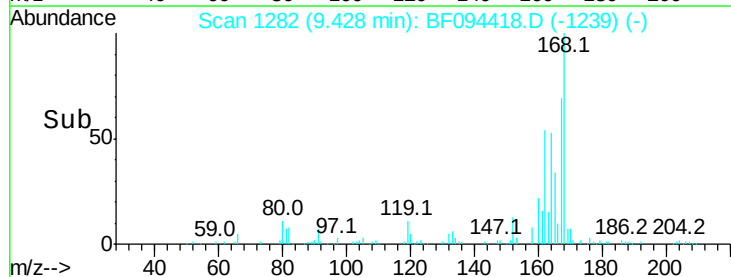
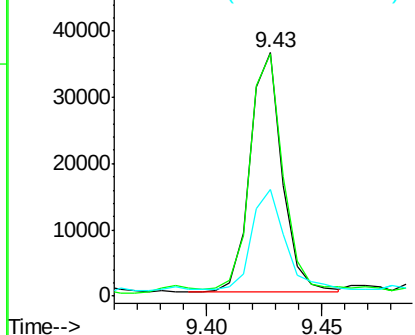


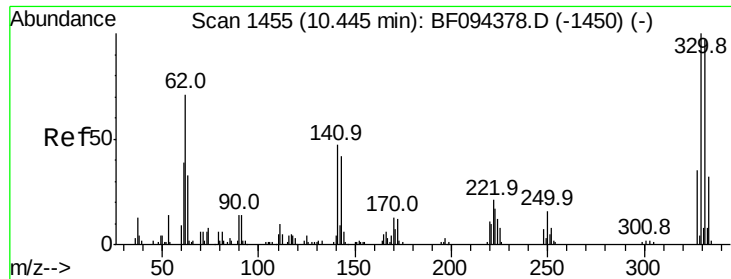
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.43 min Scan# 1282
Delta R.T. -0.05 min
Lab File: BF094418.D
Acq: 14 Apr 2017 4:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	82.6	123.8
160	43.7	36.2	54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 3.67 ng

RT: 10.40 min Scan# 1448

Delta R.T. -0.04 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampled :

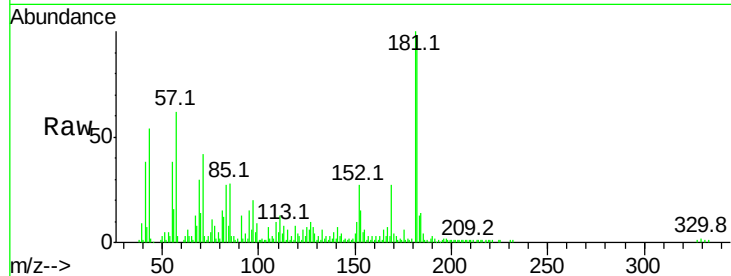
Tot Ion:330 Resp: 1027

Ion Ratio Lower Upper

330 100

332 98.8 76.6 115.0

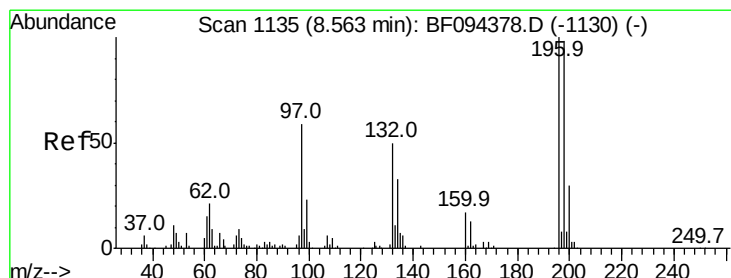
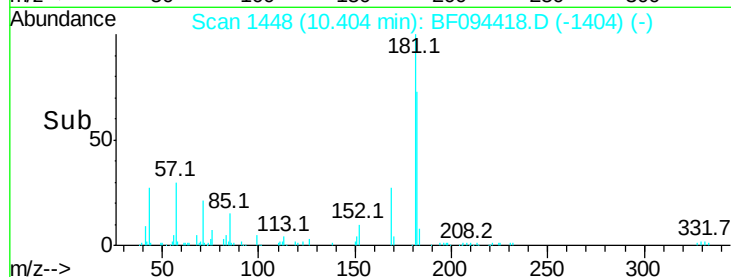
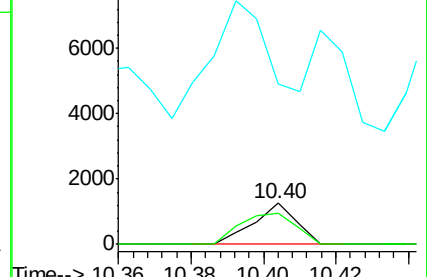
141 199.7 31.4 47.2#



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



#42

2,4,6-Trichlorophenol

Concen: 5.15 ng

RT: 8.58 min Scan# 1138

Delta R.T. 0.02 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

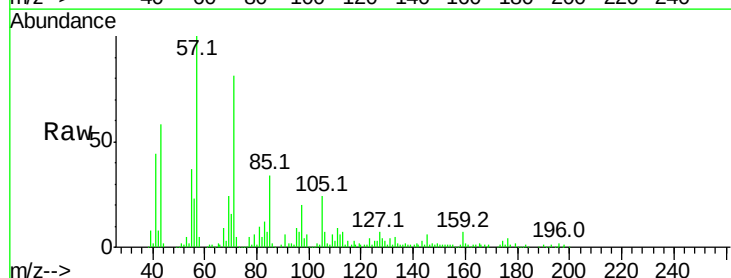
Tgt Ion:196 Resp: 3523

Ion Ratio Lower Upper

196 100

198 78.1 74.2 111.4

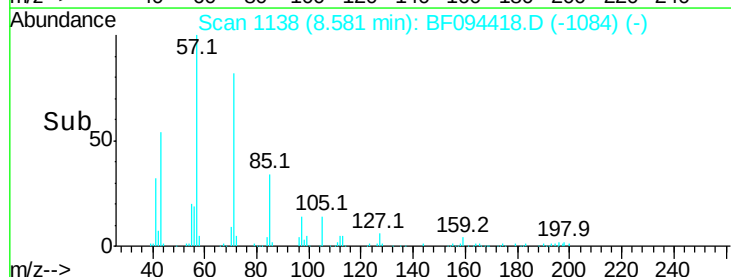
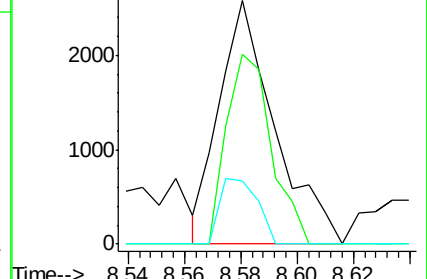
200 25.9 24.0 36.0

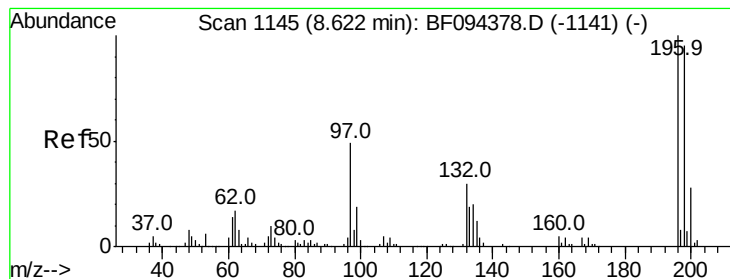


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





#43

2,4,5-Trichlorophenol

Concen: 4.76 ng

RT: 8.58 min Scan# 1138

Delta R.T. -0.04 min

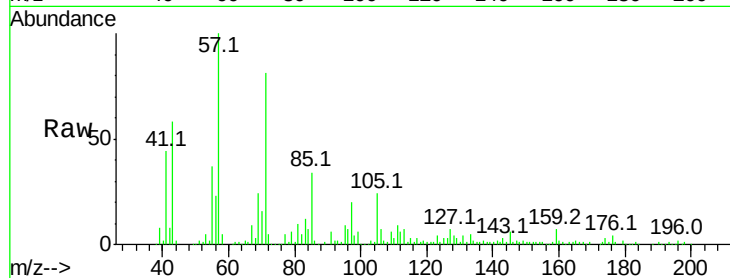
Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampled :



Tot Ion:196 Resp: 3523

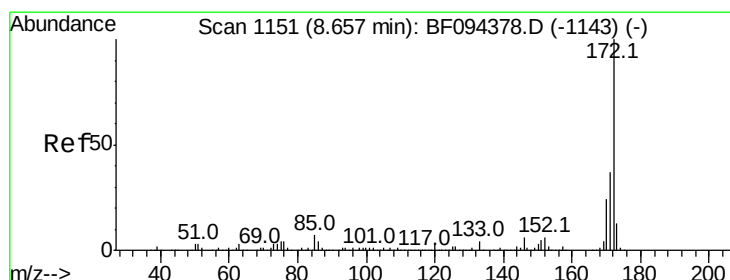
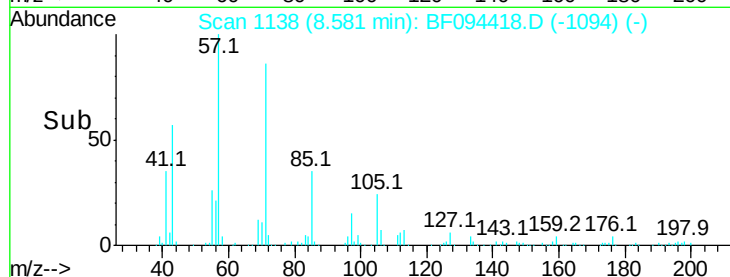
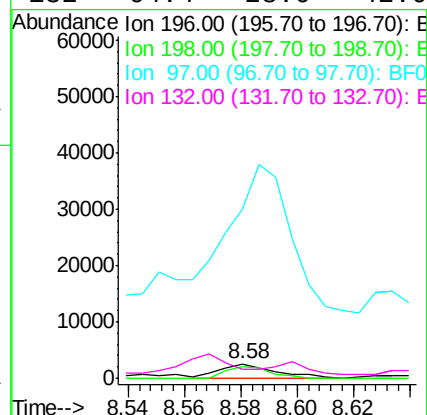
Ion Ratio Lower Upper

196 100

198 78.1 75.7 113.5

97 1166.7 47.7 71.5#

132 64.4 28.0 42.0#



#44

2-Fluorobiphenyl

Concen: 6.18 ng

RT: 8.61 min Scan# 1143

Delta R.T. -0.05 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

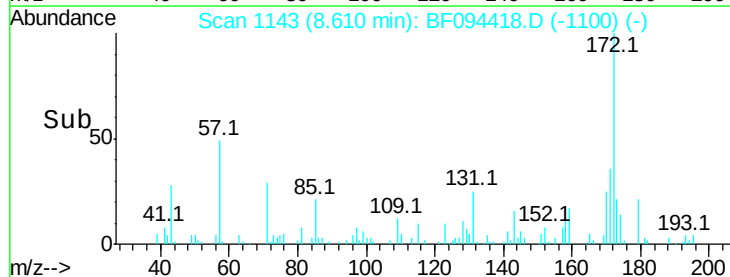
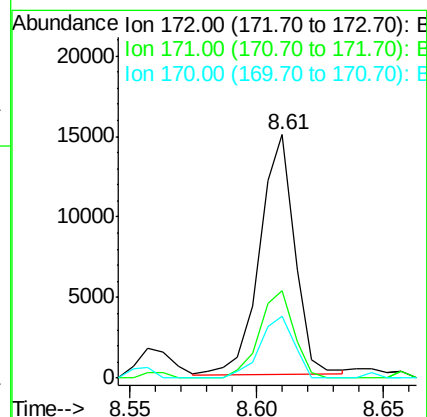
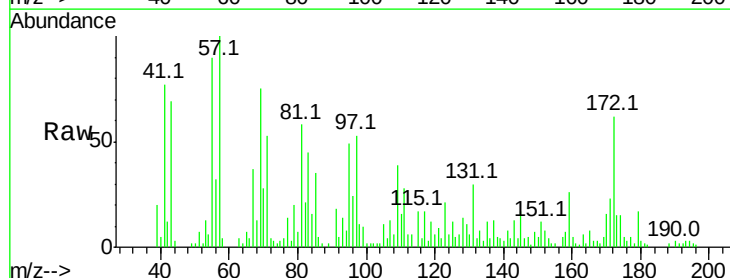
Tgt Ion:172 Resp: 14326

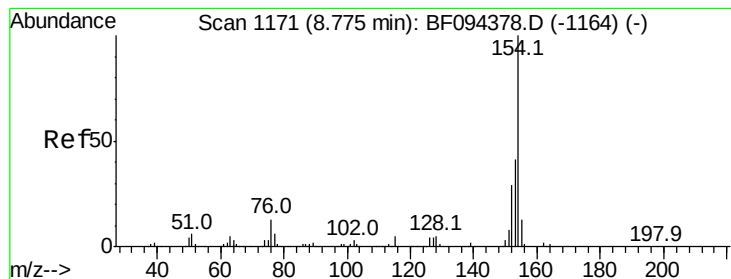
Ion Ratio Lower Upper

172 100

171 36.1 29.6 44.4

170 25.5 19.8 29.8





#45

1,1'-Biphenyl

Concen: 53.40 ng

RT: 8.73 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampleId :

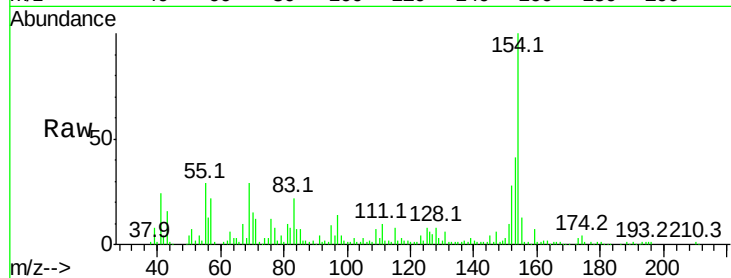
Tot Ion:154 Resp: 152369

Ion Ratio Lower Upper

154 100

153 40.9 21.2 61.2

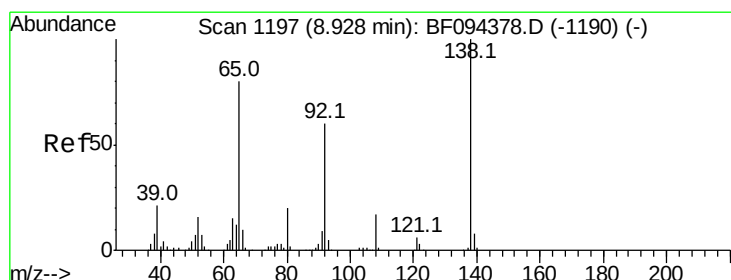
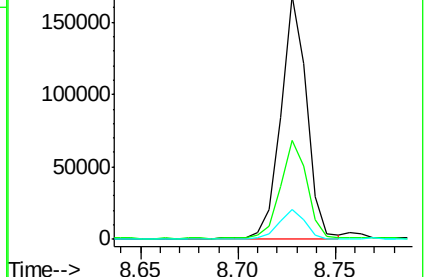
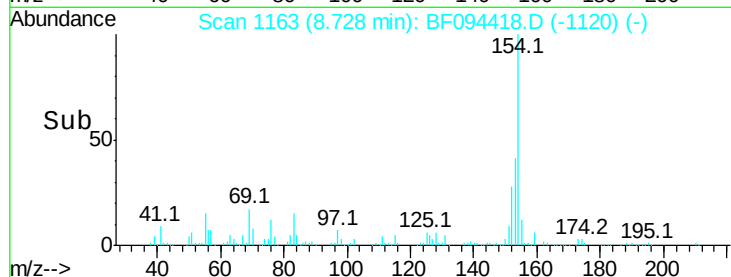
76 12.4 0.0 29.9



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): E



#47

2-Nitroaniline

Concen: 6.53 ng

RT: 8.89 min Scan# 1191

Delta R.T. -0.04 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

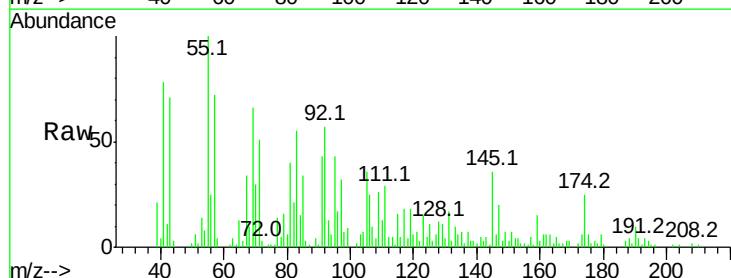
Tgt Ion: 65 Resp: 4325

Ion Ratio Lower Upper

65 100

92 443.5 53.9 80.9#

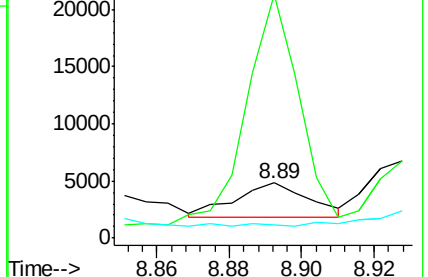
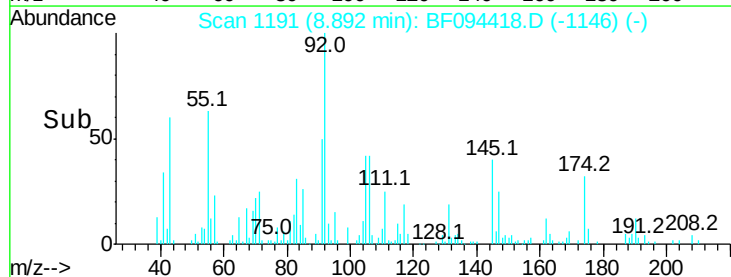
138 23.9 78.8 118.2#

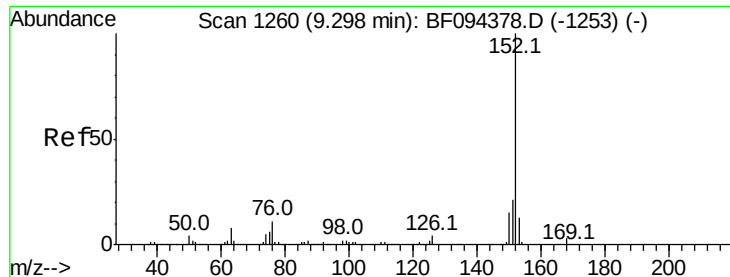


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 5.71 ng

RT: 9.26 min Scan# 1253

Delta R.T. -0.04 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampled :

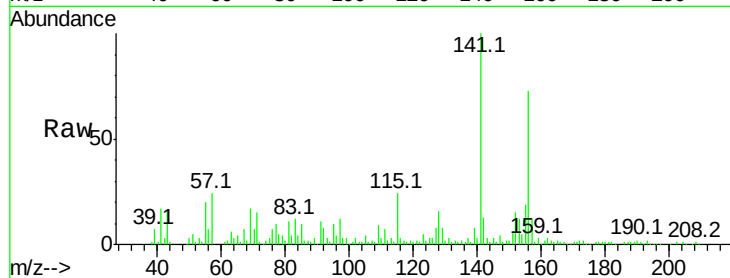
Tot Ion:152 Resp: 21214

Ion Ratio Lower Upper

152 100

151 38.4 16.8 25.2#

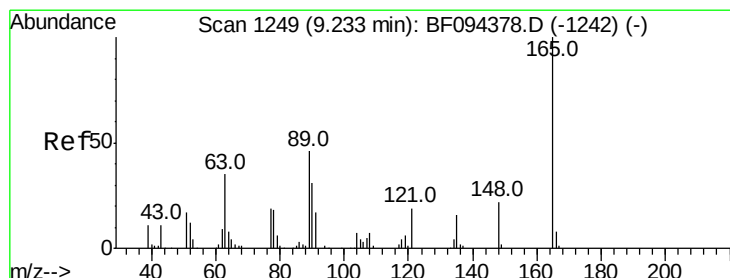
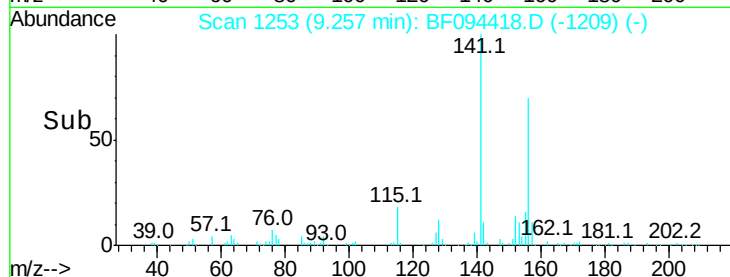
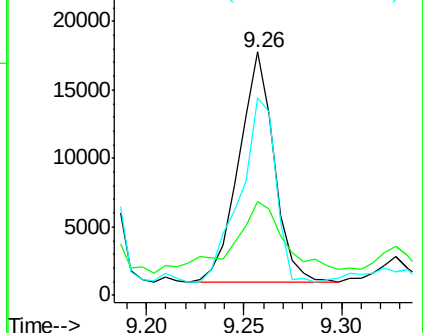
153 81.2 10.8 16.2#



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



#50

2,6-Dinitrotoluene

Concen: 2.73 ng

RT: 9.20 min Scan# 1243

Delta R.T. -0.04 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

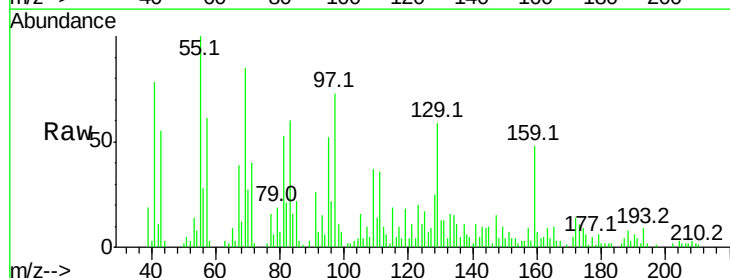
Tgt Ion:165 Resp: 1575

Ion Ratio Lower Upper

165 100

63 30.7 34.3 51.5#

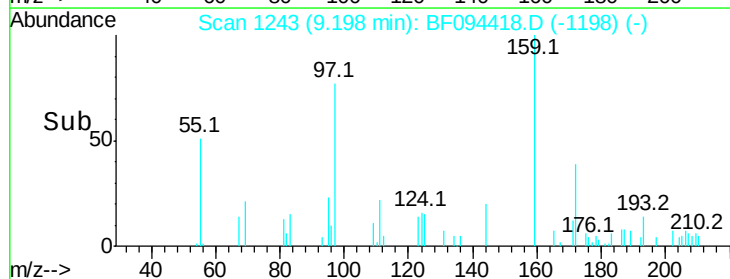
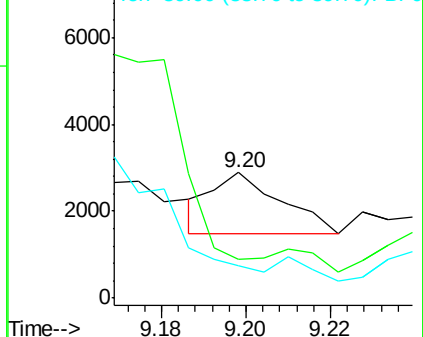
89 26.2 37.1 55.7#

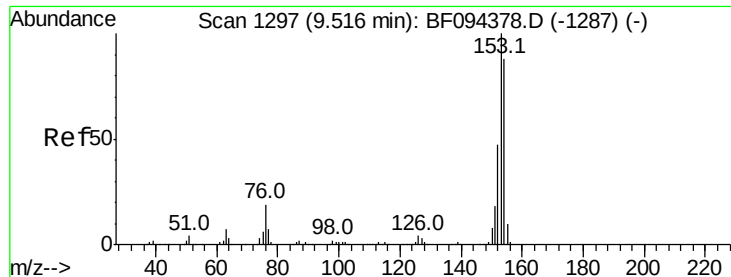


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 162.51 ng

RT: 9.47 min Scan# 1289

Delta R.T. -0.05 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampleId :

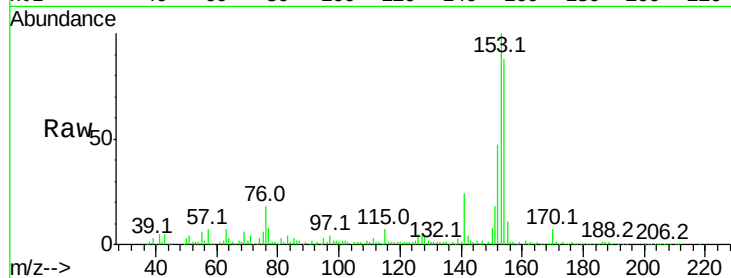
Tot Ion:154 Resp: 351987

Ion Ratio Lower Upper

154 100

153 113.7 90.5 135.7

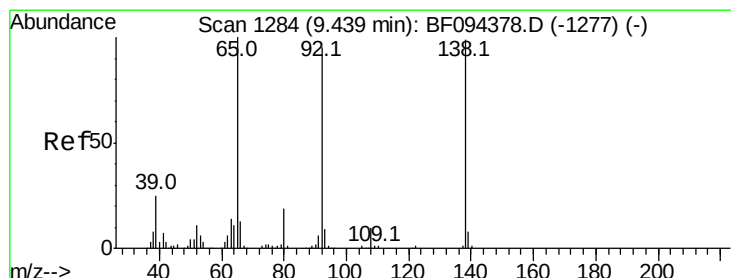
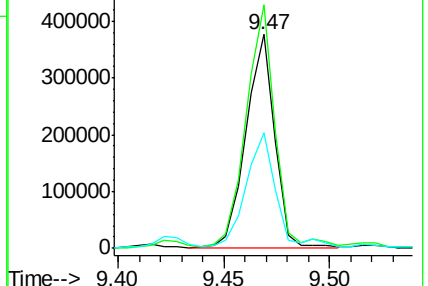
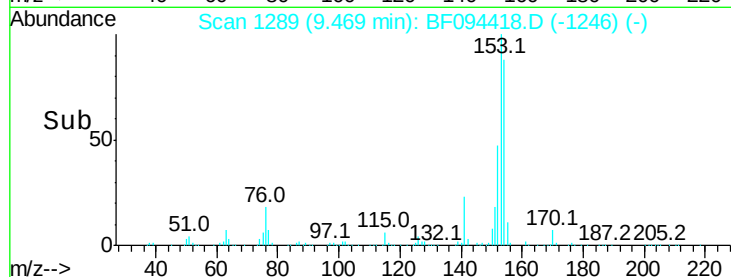
152 53.8 43.6 65.4



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: 3.08 ng

RT: 9.41 min Scan# 1279

Delta R.T. -0.03 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

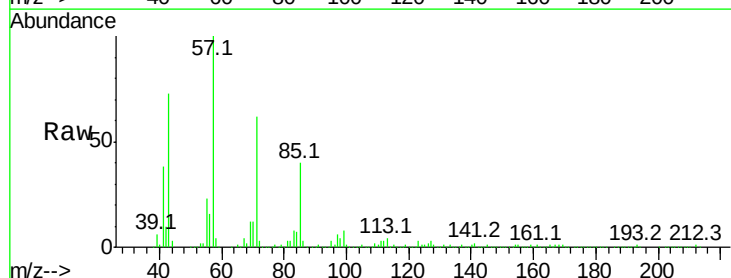
Tgt Ion:138 Resp: 2082

Ion Ratio Lower Upper

138 100

108 64.0 9.1 13.7#

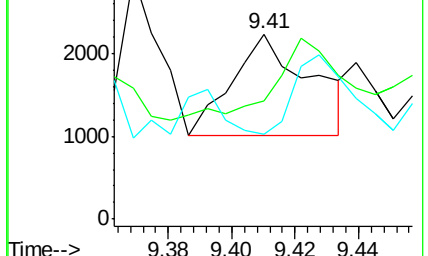
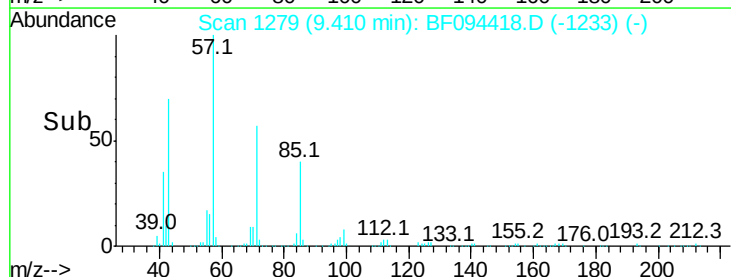
92 46.0 93.8 140.6#

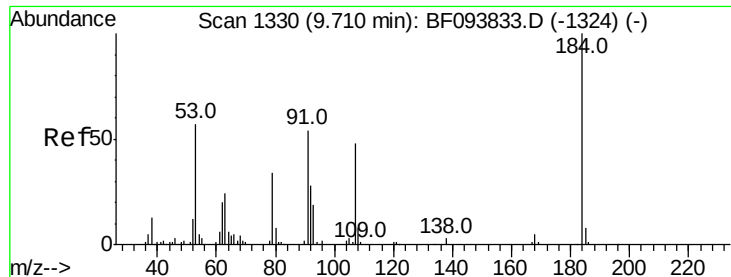


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

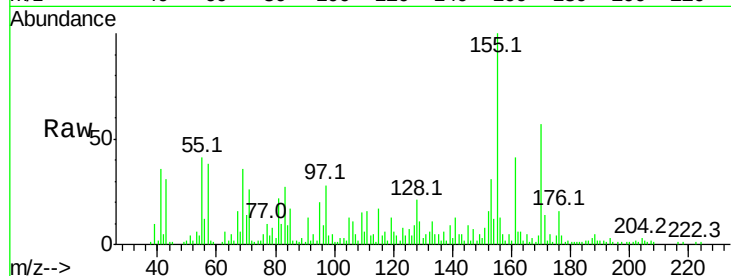




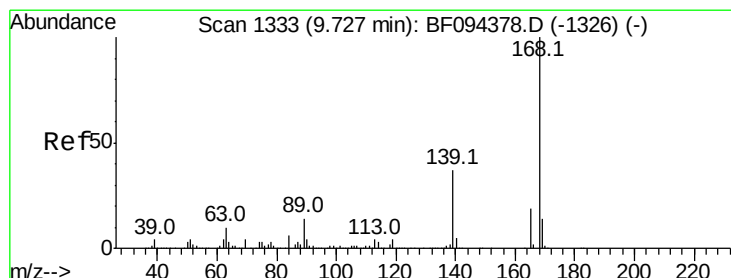
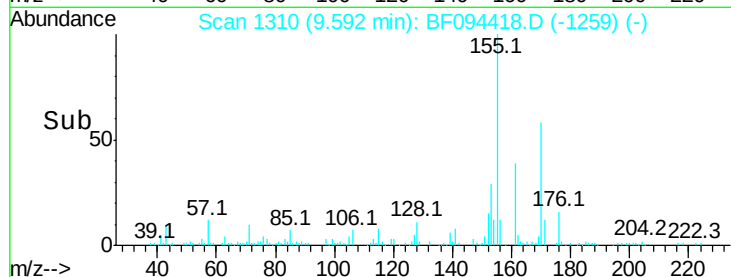
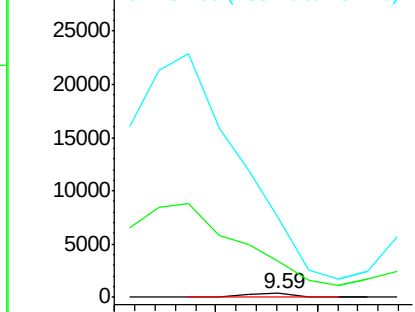
#53
 2,4-Dinitrophenol
 Concen: 5.42 ng
 RT: 9.59 min Scan# 1310
 Delta R.T. -0.00 min
 Lab File: BF094418.D
 Acq: 14 Apr 2017 4:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:184 Resp: 249
 Ion Ratio Lower Upper
 184 100
 63 900.0 62.7 94.1#
 154 1980.2 81.1 121.7#

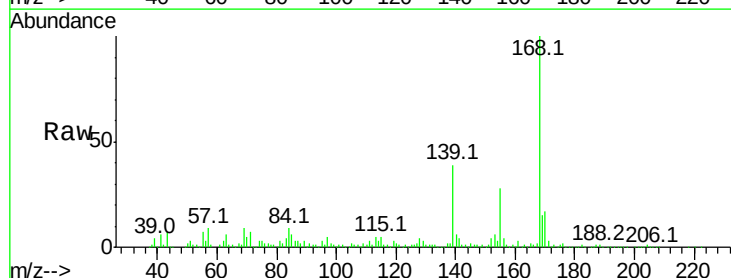


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

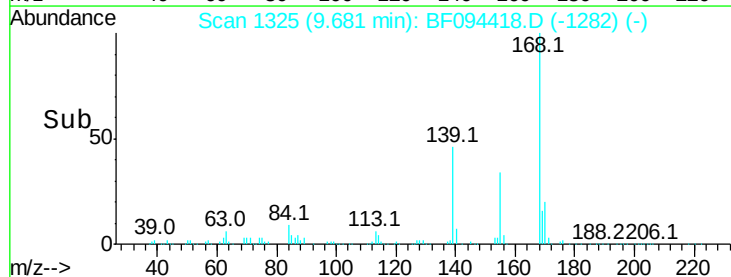
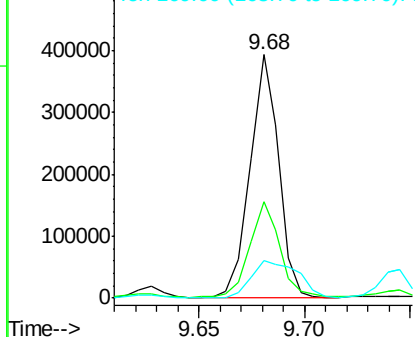


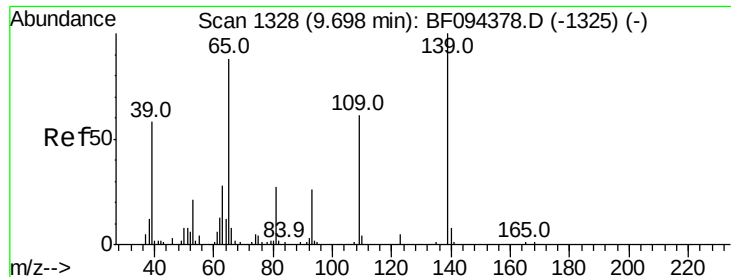
#54
 Dibenzofuran
 Concen: 125.23 ng
 RT: 9.68 min Scan# 1325
 Delta R.T. -0.05 min
 Lab File: BF094418.D
 Acq: 14 Apr 2017 4:58

Tgt Ion:168 Resp: 369248
 Ion Ratio Lower Upper
 168 100
 139 39.4 30.6 45.8
 169 15.5 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: 11.55 ng

RT: 9.62 min Scan# 1315

Delta R.T. -0.08 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampleId :

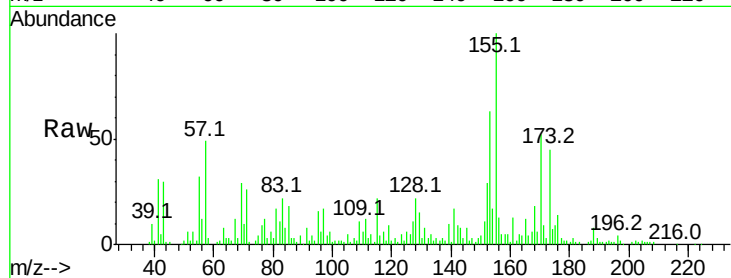
Tot Ion:139 Resp: 6125

Ion Ratio Lower Upper

139 100

109 109.5 34.1 74.1#

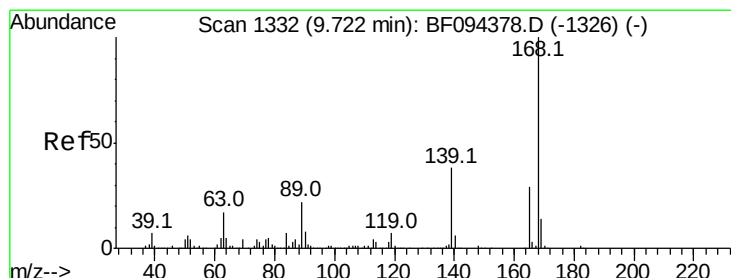
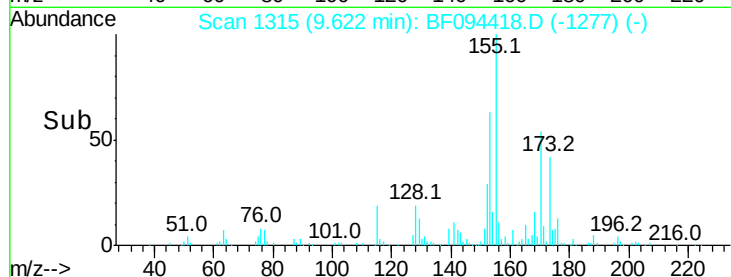
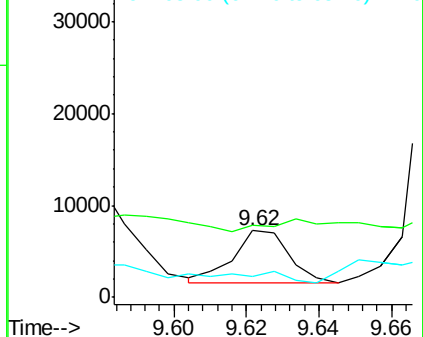
65 32.3 31.4 71.4



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: 26.95 ng

RT: 9.70 min Scan# 1328

Delta R.T. -0.02 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Tgt Ion:165 Resp: 19515

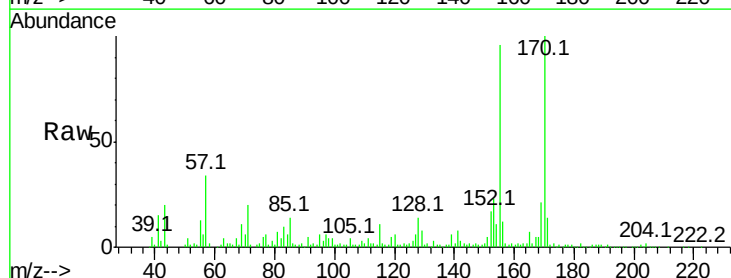
Ion Ratio Lower Upper

165 100

63 57.9 25.4 38.0#

89 30.4 46.4 69.6#

182 23.4 1.8 2.6#

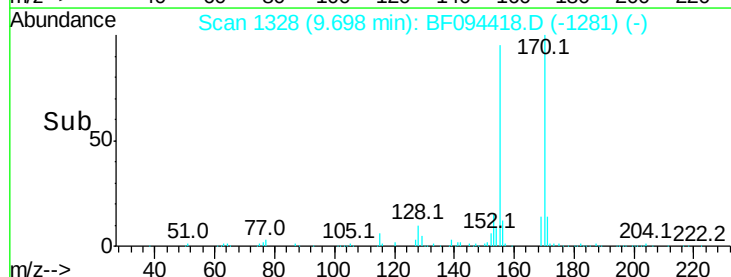
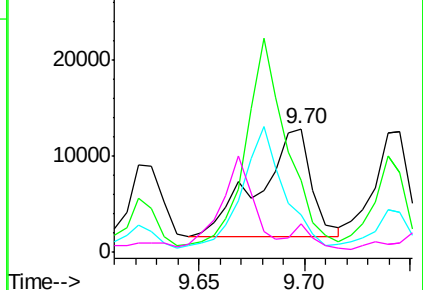


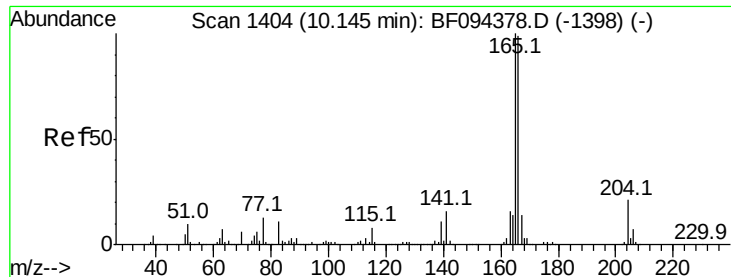
Abundance Ion 165.00 (164.70 to 165.70): E

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: 150.68 ng

RT: 10.10 min Scan# 1397

Delta R.T. -0.04 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampleId :

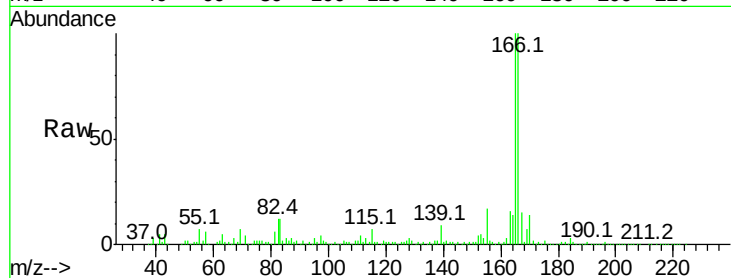
Tot Ion:166 Resp: 368446

Ion Ratio Lower Upper

166 100

165 99.6 78.8 118.2

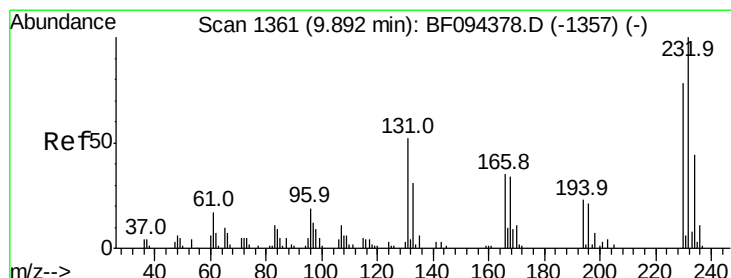
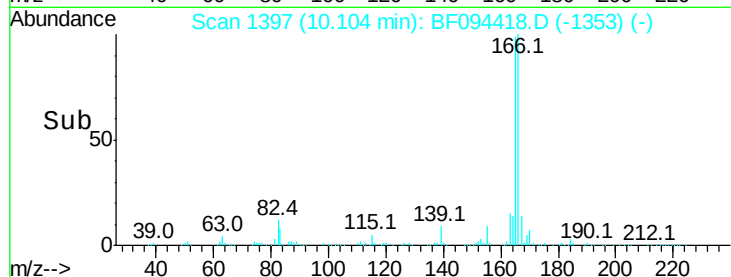
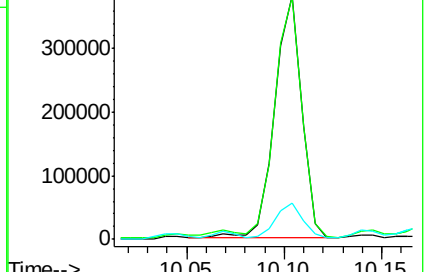
167 15.0 10.6 16.0



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 4.24 ng

RT: 9.84 min Scan# 1352

Delta R.T. -0.05 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Tgt Ion:232 Resp: 2153

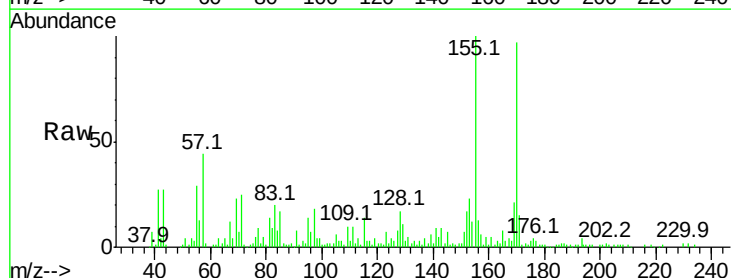
Ion Ratio Lower Upper

232 100

131 0.0 44.8 67.2#

130 98.7 2.3 3.5#

166 0.0 29.0 43.4#

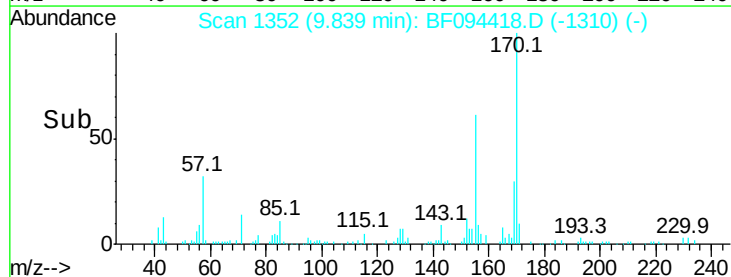
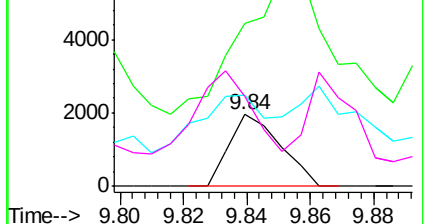


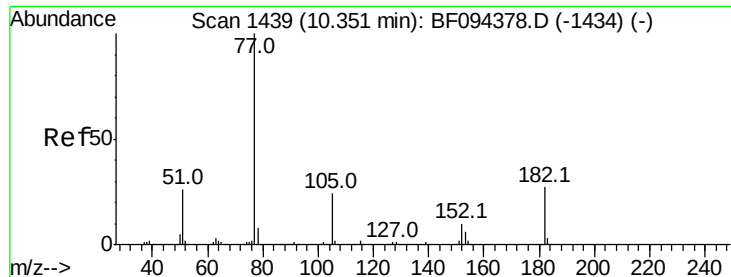
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#62

Azobenzene

Concen: 3.84 ng

RT: 10.30 min Scan# 1430

Delta R.T. -0.05 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 9017

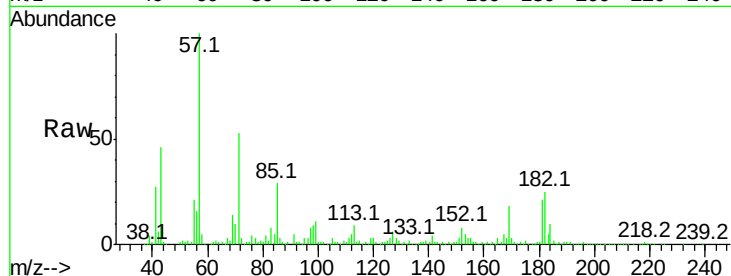
Ion Ratio Lower Upper

77 100

182 868.5 0.1 40.1#

105 87.4 3.6 43.6#

51 64.1 9.4 49.4#

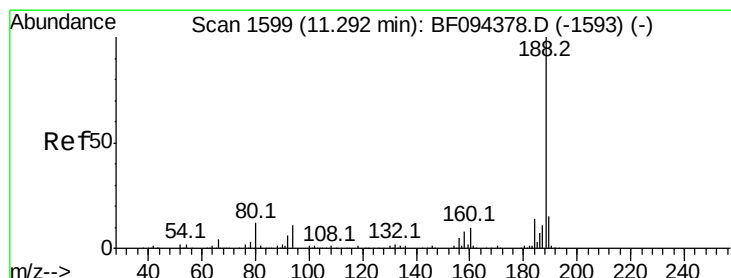
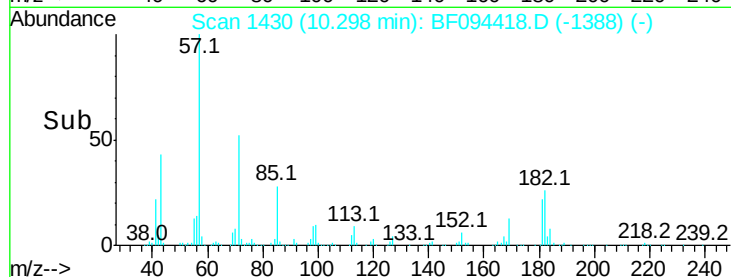
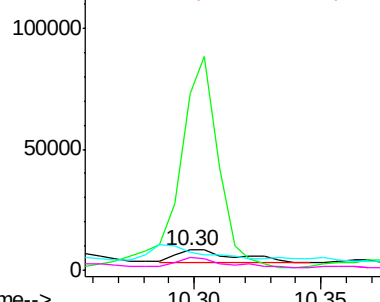


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 1591

Delta R.T. -0.05 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

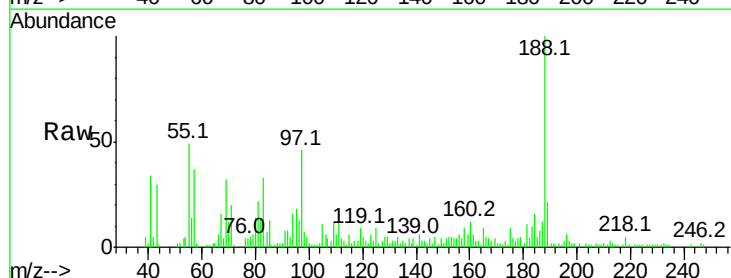
Tgt Ion: 188 Resp: 52906

Ion Ratio Lower Upper

188 100

94 15.9 9.4 14.2#

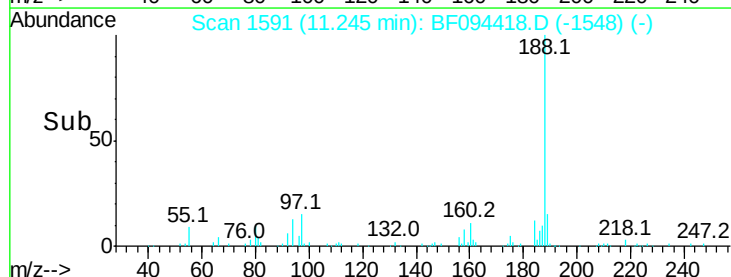
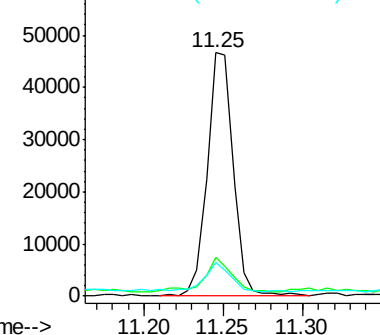
80 13.6 10.2 15.2

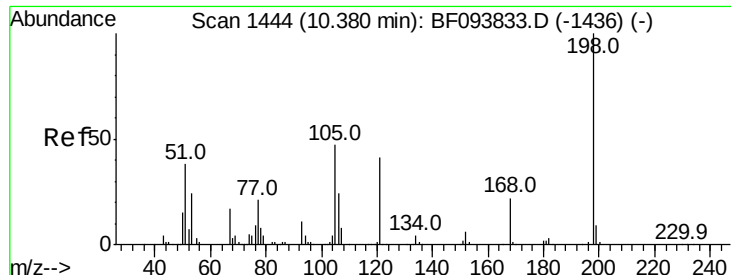


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

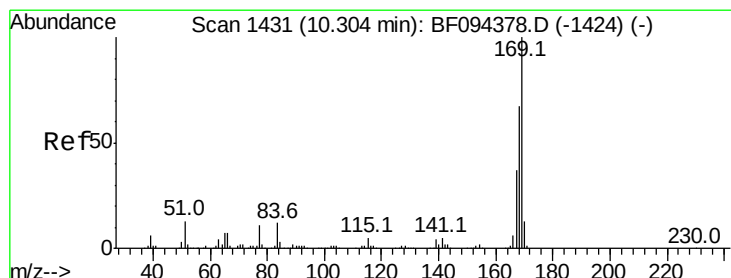
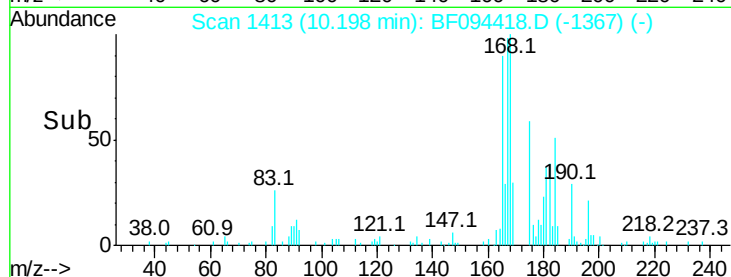
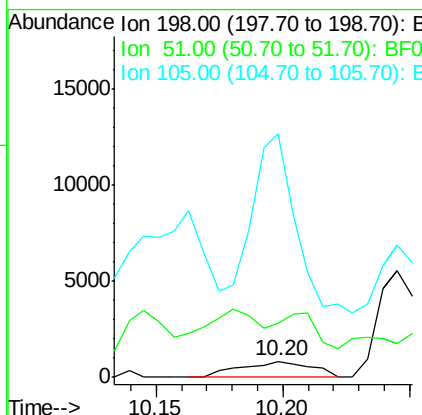
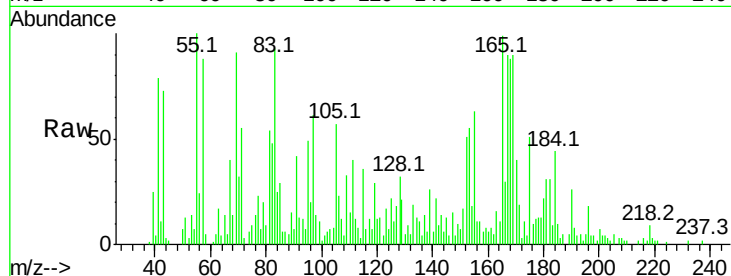




#64
4,6-Dinitro-2-methylphenol
Concen: 4.95 ng
RT: 10.20 min Scan# 1413
Delta R.T. -0.03 min
Lab File: BF094418.D
Acq: 14 Apr 2017 4:58

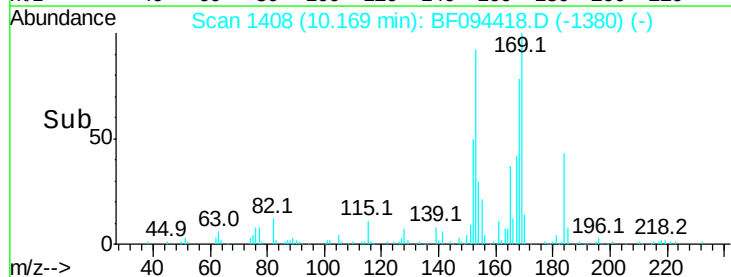
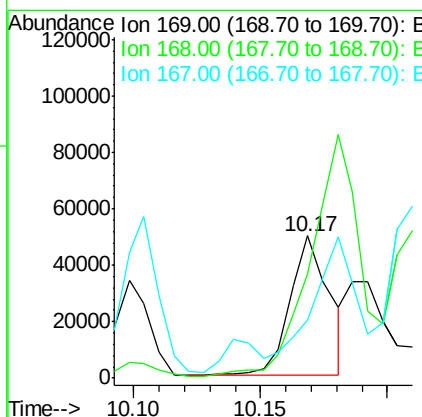
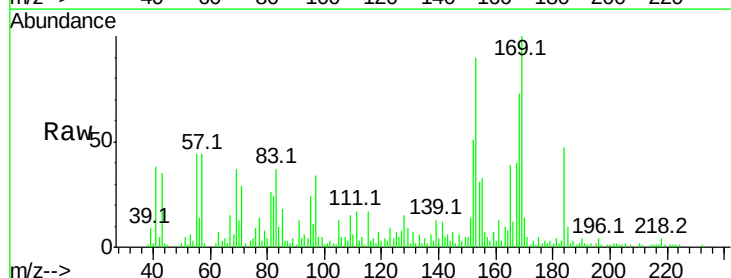
Instrument :
BNA_F
ClientSampled :

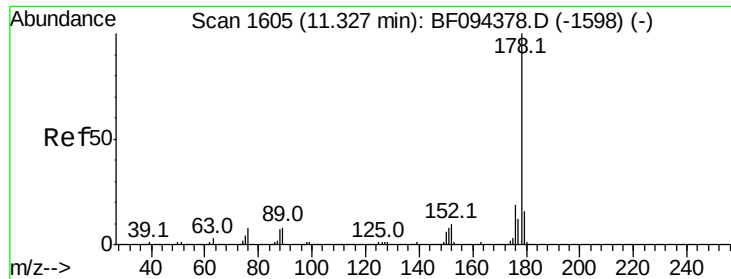
Tot Ion:198 Resp: 1603
Ion Ratio Lower Upper
198 100
51 342.7 53.2 93.2#
105 1529.1 45.8 85.8#



#65
n-Nitrosodiphenylamine
Concen: 29.61 ng
RT: 10.17 min Scan# 1408
Delta R.T. -0.14 min
Lab File: BF094418.D
Acq: 14 Apr 2017 4:58

Tgt Ion:169 Resp: 54175
Ion Ratio Lower Upper
169 100
168 72.7 53.2 79.8
167 40.4 29.5 44.3





#70

Phenanthrene

Concen: 403.94 ng

RT: 11.28 min Scan# 1597

Delta R.T. -0.05 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampleId :

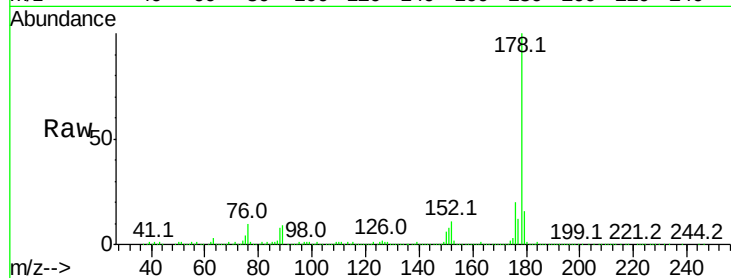
Tot Ion:178 Resp: 1188813

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

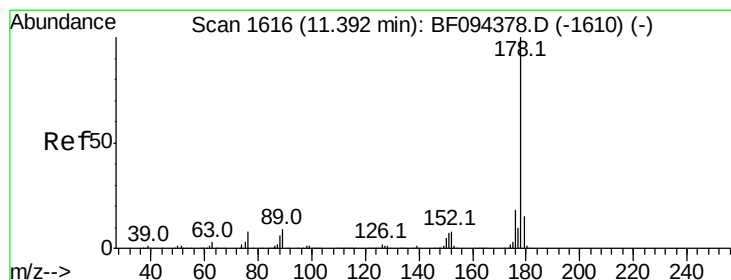
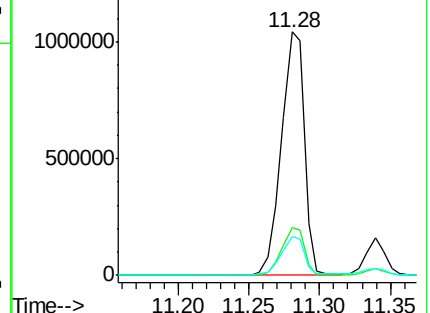
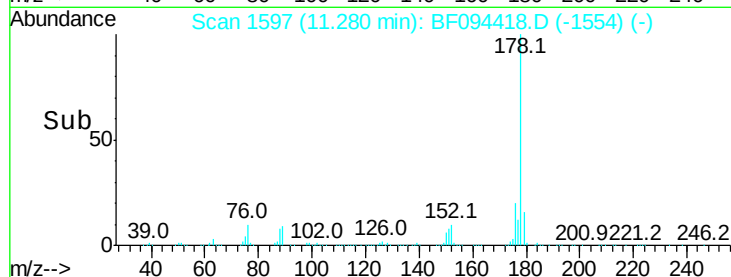
179 15.8 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 392.31 ng

RT: 11.28 min Scan# 1597

Delta R.T. -0.11 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

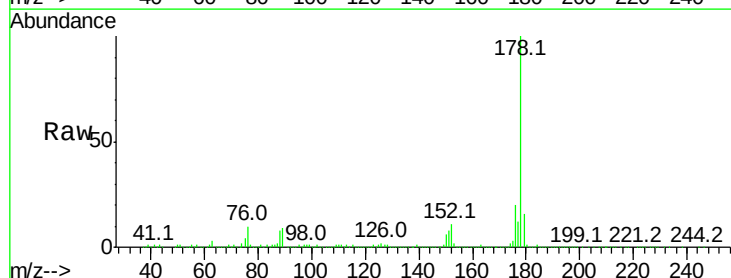
Tgt Ion:178 Resp: 1188813

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

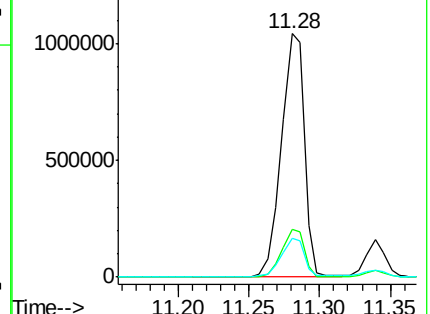
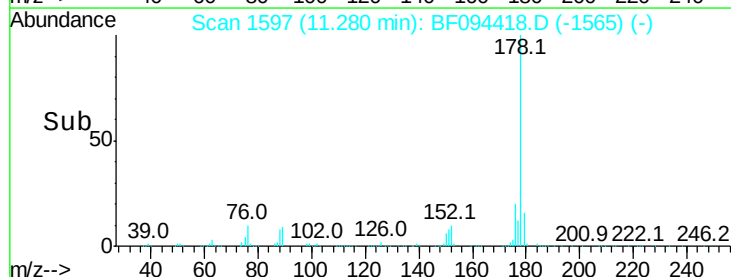
179 15.8 12.7 19.1

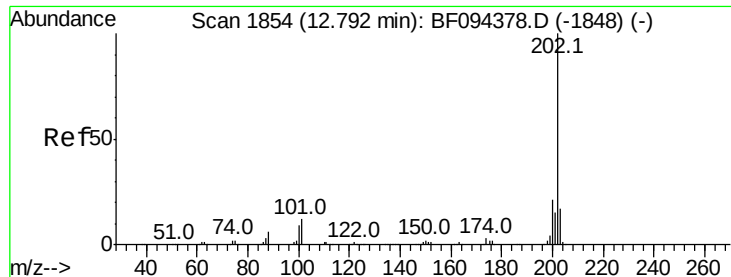


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 189.12 ng

RT: 12.74 min Scan# 1845

Delta R.T. -0.05 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampleId :

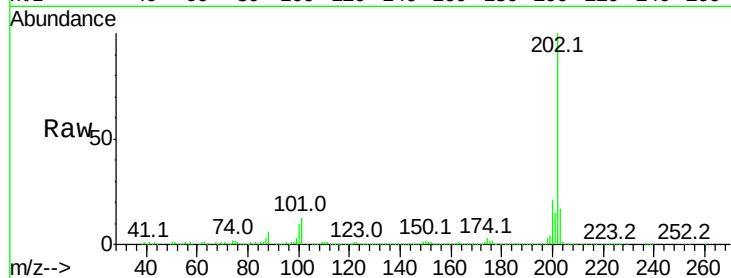
Tot Ion:202 Resp: 569926

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

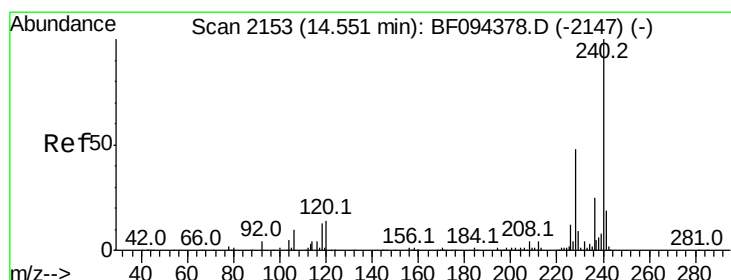
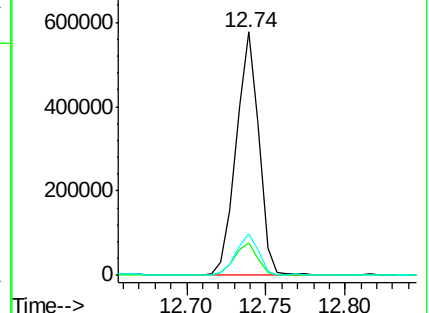
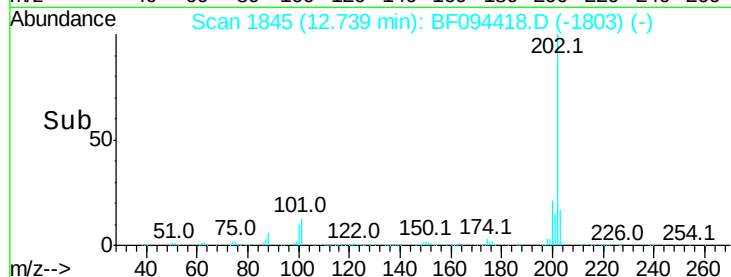
203 17.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.49 min Scan# 2143

Delta R.T. -0.06 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

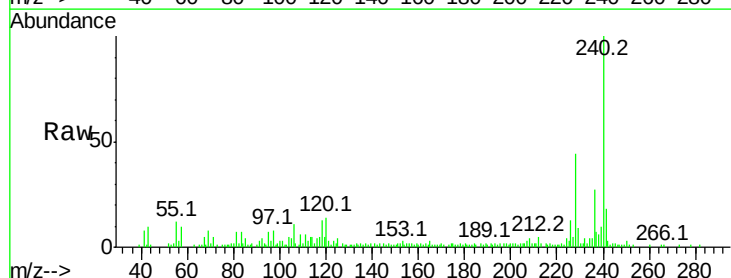
Tgt Ion:240 Resp: 44667

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

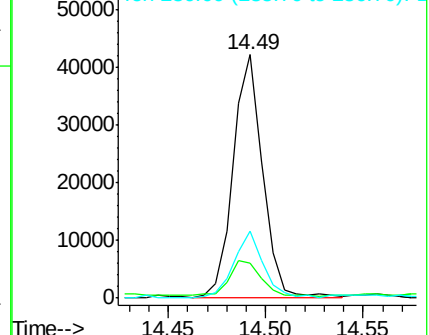
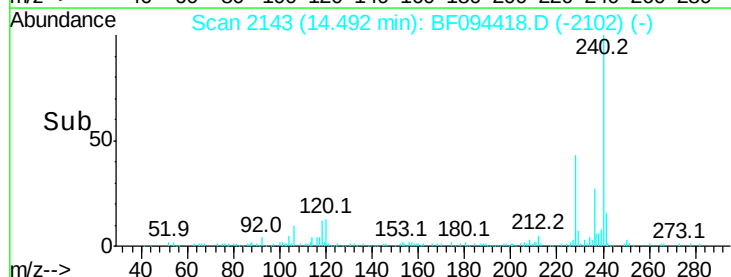
236 27.4 20.5 30.7

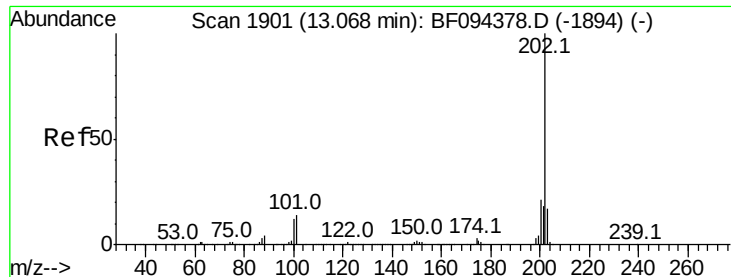


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 126.34 ng

RT: 13.02 min Scan# 1892

Delta R.T. -0.05 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampled :

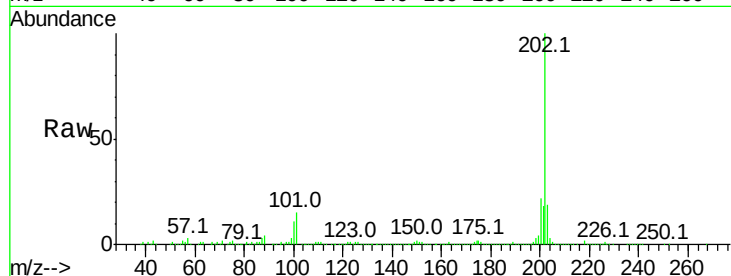
Tot Ion:202 Resp: 409541

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

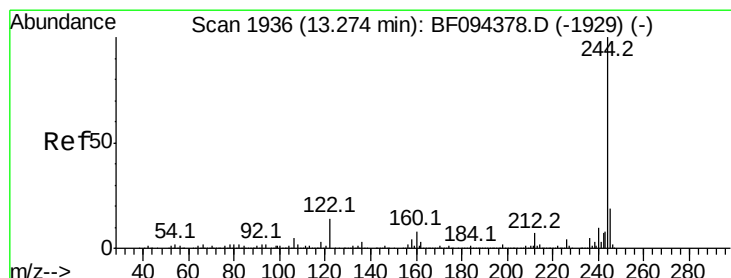
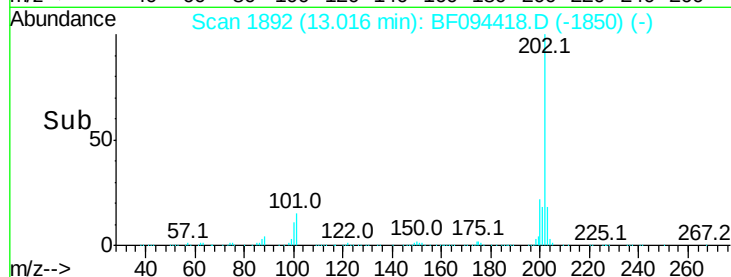
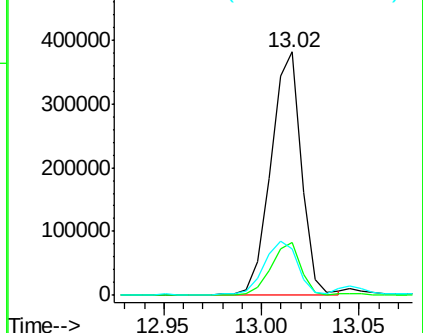
203 18.9 14.4 21.6



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: 4.87 ng

RT: 13.22 min Scan# 1926

Delta R.T. -0.06 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

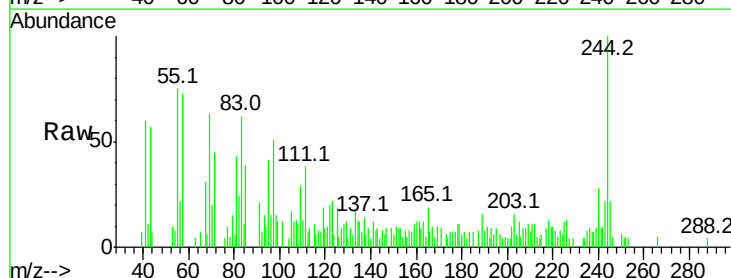
Tgt Ion:244 Resp: 9700

Ion Ratio Lower Upper

244 100

212 10.6 6.0 9.0#

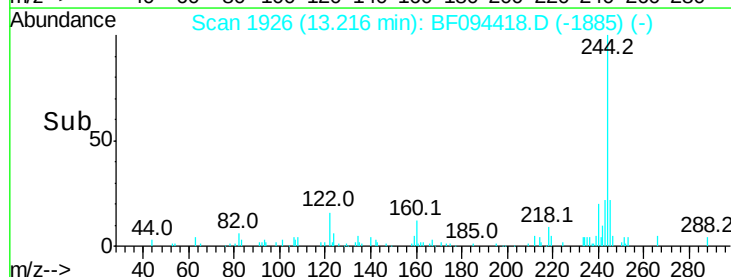
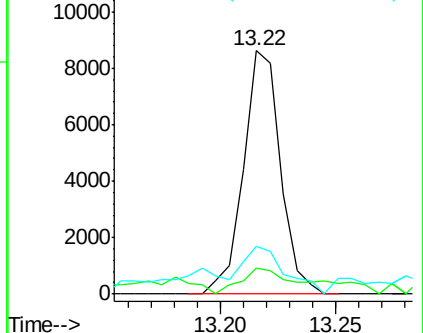
122 19.6 10.3 15.5#

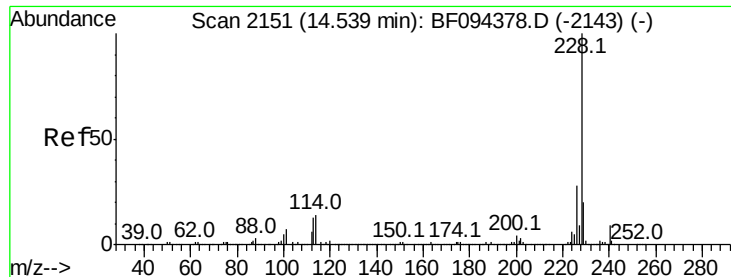


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

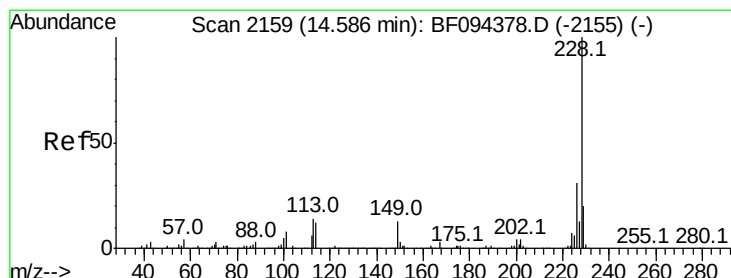
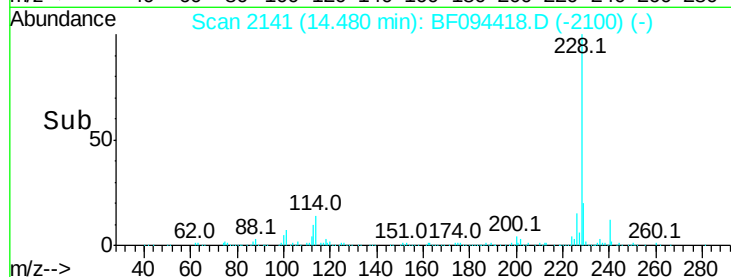
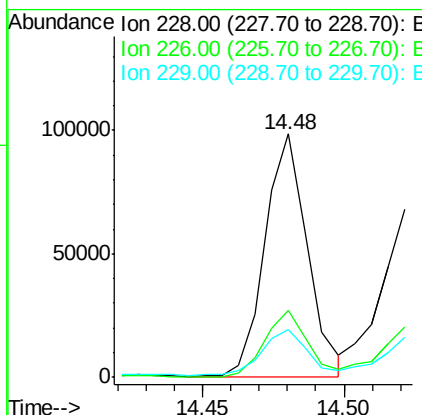
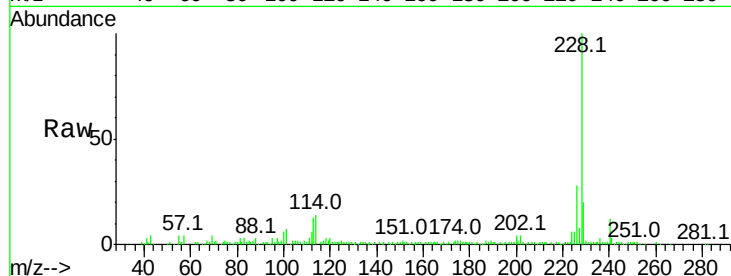




#80
Benzo(a)anthracene
Concen: 39.29 ng
RT: 14.48 min Scan# 2141
Delta R.T. -0.06 min
Lab File: BF094418.D
Acq: 14 Apr 2017 4:58

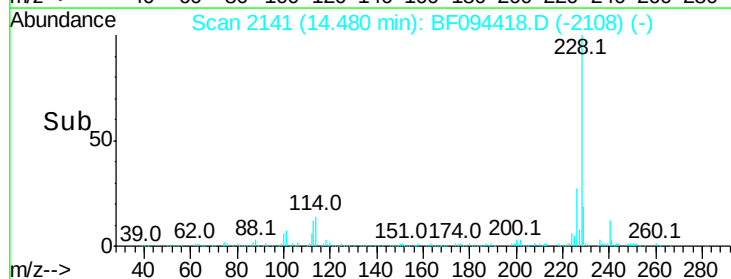
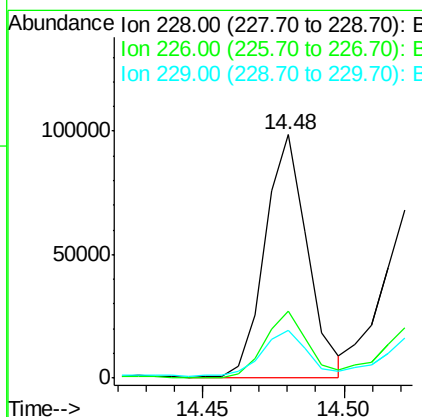
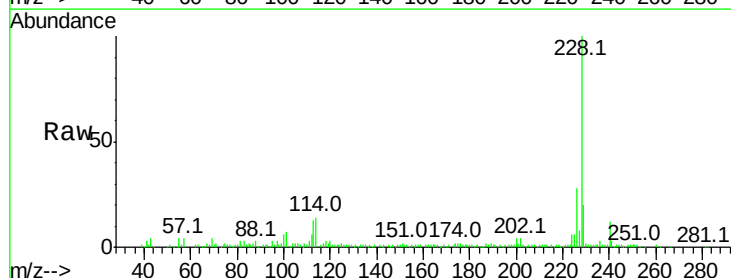
Instrument :
BNA_F
ClientSampleId :

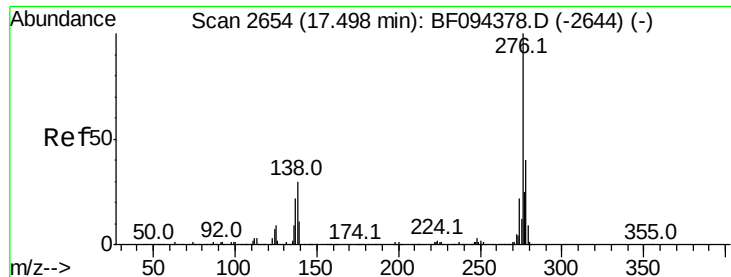
Tot Ion:228 Resp: 102334
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 19.7 16.3 24.5



#82
Chrysene
Concen: 42.34 ng
RT: 14.48 min Scan# 2141
Delta R.T. -0.11 min
Lab File: BF094418.D
Acq: 14 Apr 2017 4:58

Tgt Ion:228 Resp: 102334
Ion Ratio Lower Upper
228 100
226 27.7 24.9 37.3
229 19.7 15.8 23.6

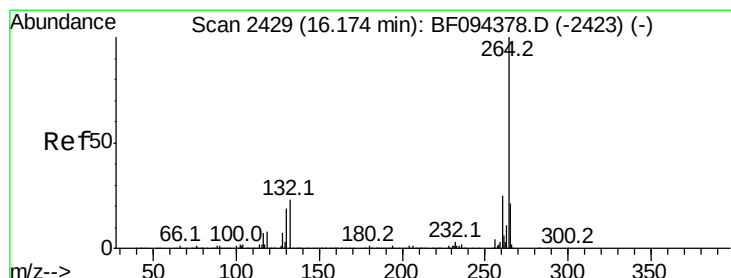
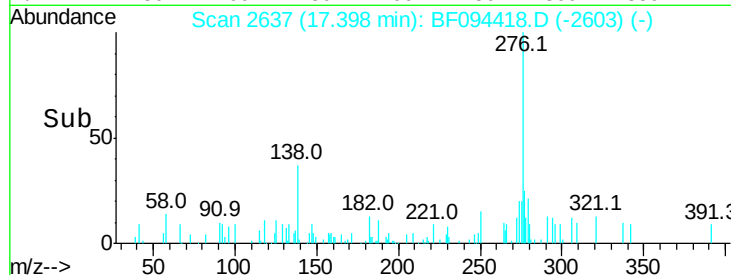
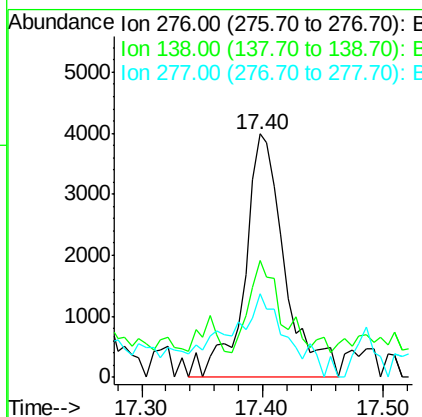
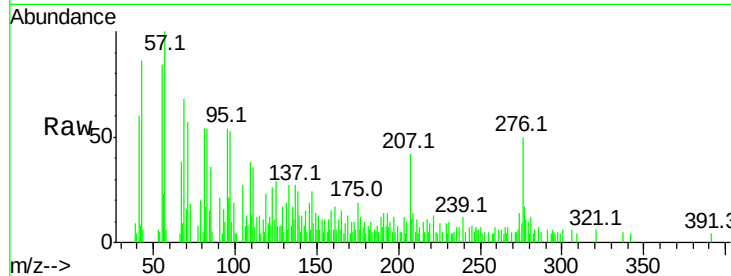




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.38 ng
RT: 17.40 min Scan# 2637
Delta R.T. -0.10 min
Lab File: BF094418.D
Acq: 14 Apr 2017 4:58

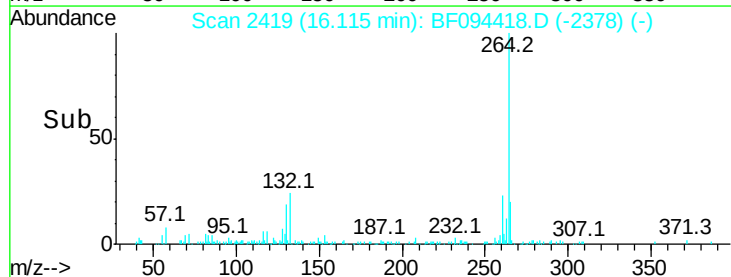
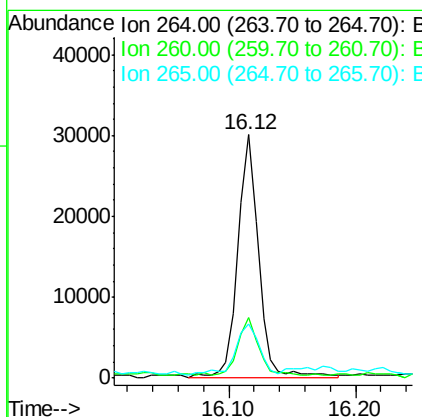
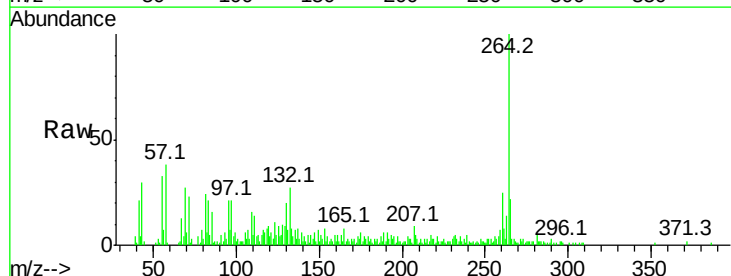
Instrument :
BNA_F
ClientSampleId :

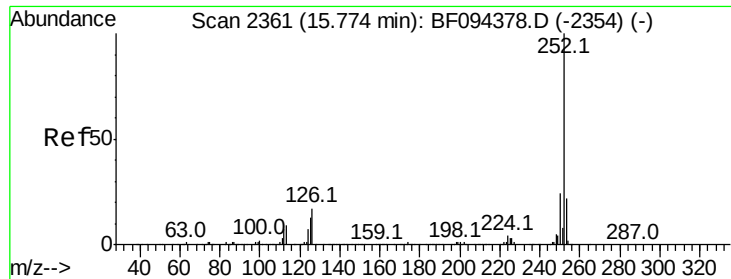
Tot Ion:276 Resp: 9179
Ion Ratio Lower Upper
276 100
138 29.6 27.8 41.6
277 51.8 20.2 30.4#



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.12 min Scan# 2419
Delta R.T. -0.06 min
Lab File: BF094418.D
Acq: 14 Apr 2017 4:58

Tgt Ion:264 Resp: 34491
Ion Ratio Lower Upper
264 100
260 24.9 19.5 29.3
265 22.2 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 28.04 ng

RT: 15.72 min Scan# 2351

Delta R.T. -0.06 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

Instrument :

BNA_F

ClientSampleId :

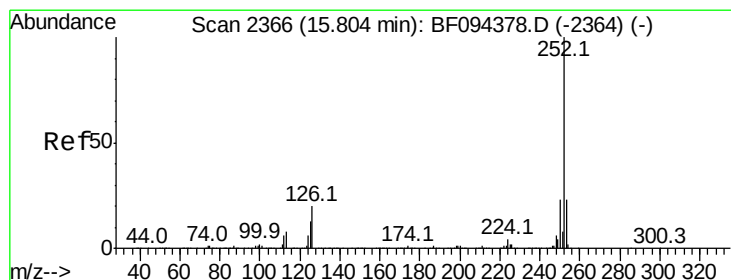
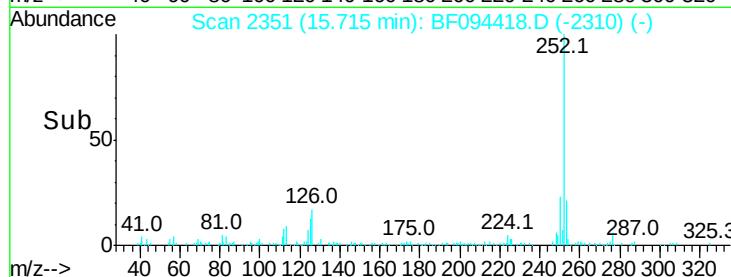
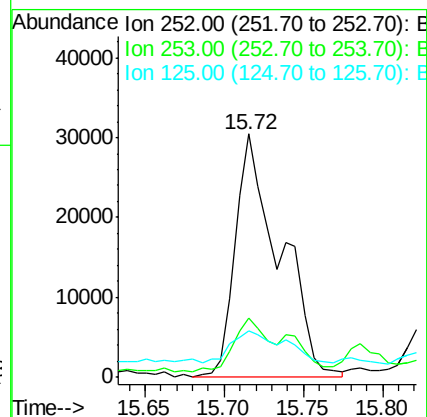
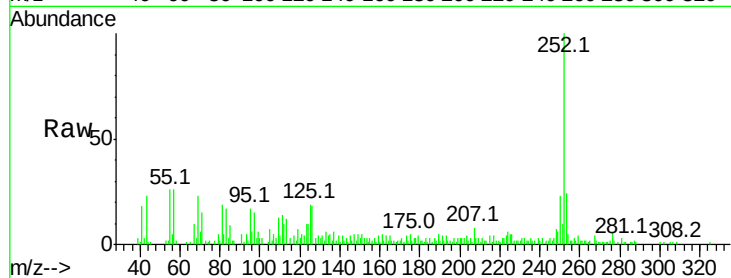
Tot Ion:252 Resp: 59284

Ion Ratio Lower Upper

252 100

253 24.3 18.1 27.1

125 19.0 9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 28.66 ng

RT: 15.72 min Scan# 2351

Delta R.T. -0.09 min

Lab File: BF094418.D

Acq: 14 Apr 2017 4:58

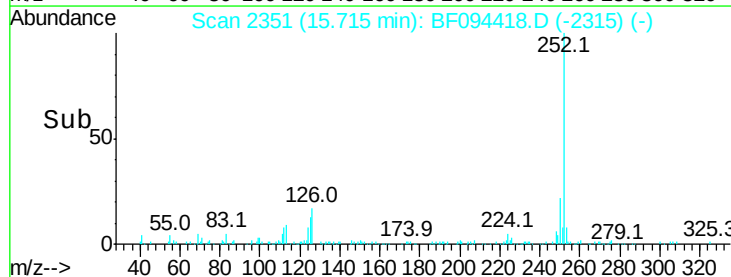
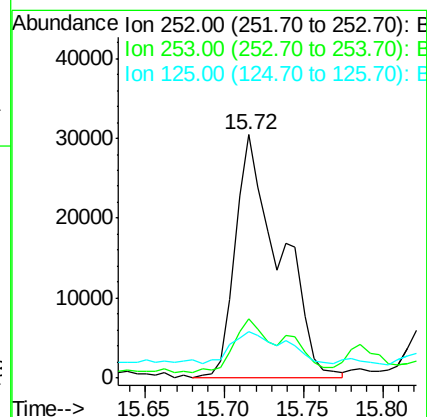
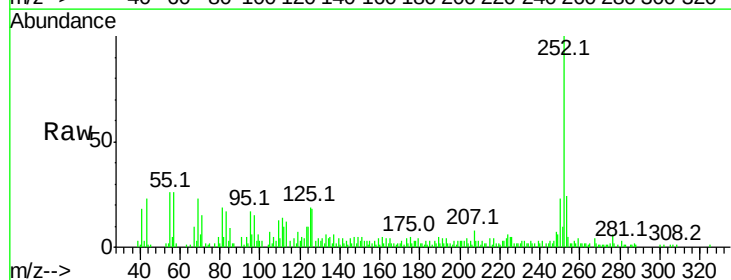
Tgt Ion:252 Resp: 59284

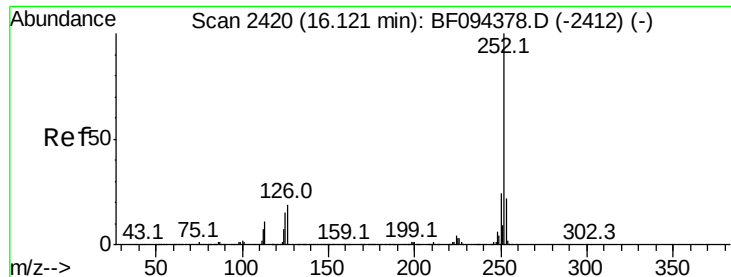
Ion Ratio Lower Upper

252 100

253 24.3 18.4 27.6

125 19.0 13.1 19.7

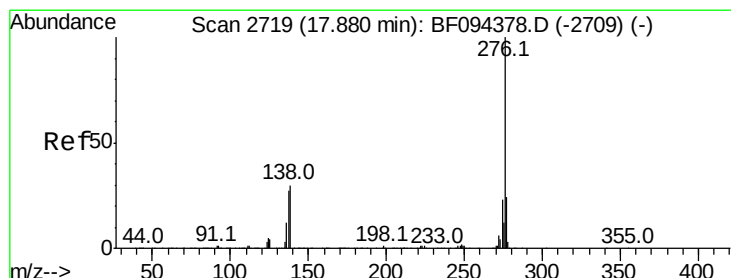
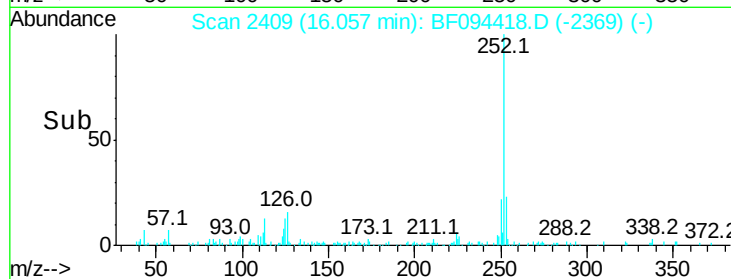
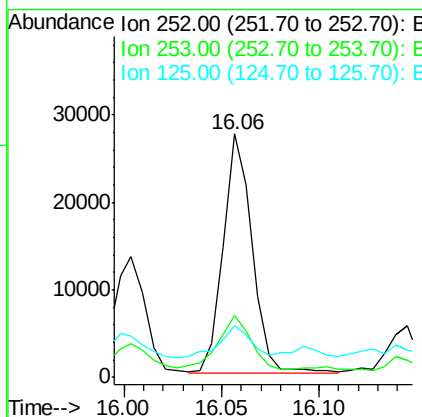
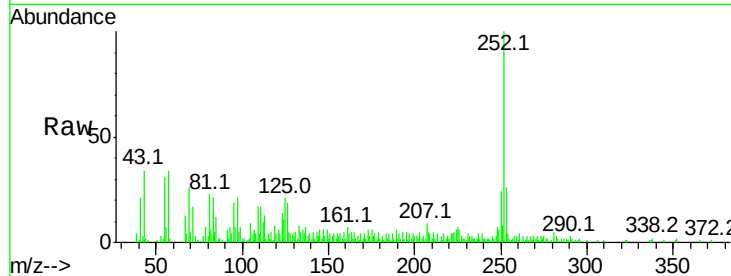




#89
Benzo(a)pyrene
Concen: 14.36 ng
RT: 16.06 min Scan# 2409
Delta R.T. -0.06 min
Lab File: BF094418.D
Acq: 14 Apr 2017 4:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 27961
Ion Ratio Lower Upper
252 100
253 25.6 17.5 26.3
125 21.3 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 3.83 ng
RT: 17.78 min Scan# 2702
Delta R.T. -0.10 min
Lab File: BF094418.D
Acq: 14 Apr 2017 4:58

Tgt Ion:276 Resp: 6361
Ion Ratio Lower Upper
276 100
277 27.3 18.6 28.0
138 37.8 25.4 38.0

