

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
 Data File : BF078423.D
 Acq On : 11 Apr 2015 5:05
 Operator : TP/IZ
 Sample : G1823-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Quant Time: Apr 11 05:10:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 11 04:47:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	32667	20.00	ng	0.00
21) Naphthalene-d8	8.43	136	138252	20.00	ng	-0.01
38) Acenaphthene-d10	10.59	164	75510	20.00	ng	0.00
63) Phenanthrene-d10	12.42	188	151721	20.00	ng	0.00
75) Chrysene-d12	15.69	240	134055	20.00	ng	0.01
86) Perylene-d12	17.36	264	162331	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.10	112	177016	89.34	ng	0.00
7) Phenol-d6	6.45	99	235996	95.04	ng	0.00
23) Nitrobenzene-d5	7.56	82	138997	60.94	ng	0.00
41) 2,4,6-Tribromophenol	11.56	330	51400	82.08	ng	0.00
44) 2-Fluorobiphenyl	9.78	172	310575	58.79	ng	0.00
78) Terphenyl-d14	14.41	244	366186	61.73	ng	0.00

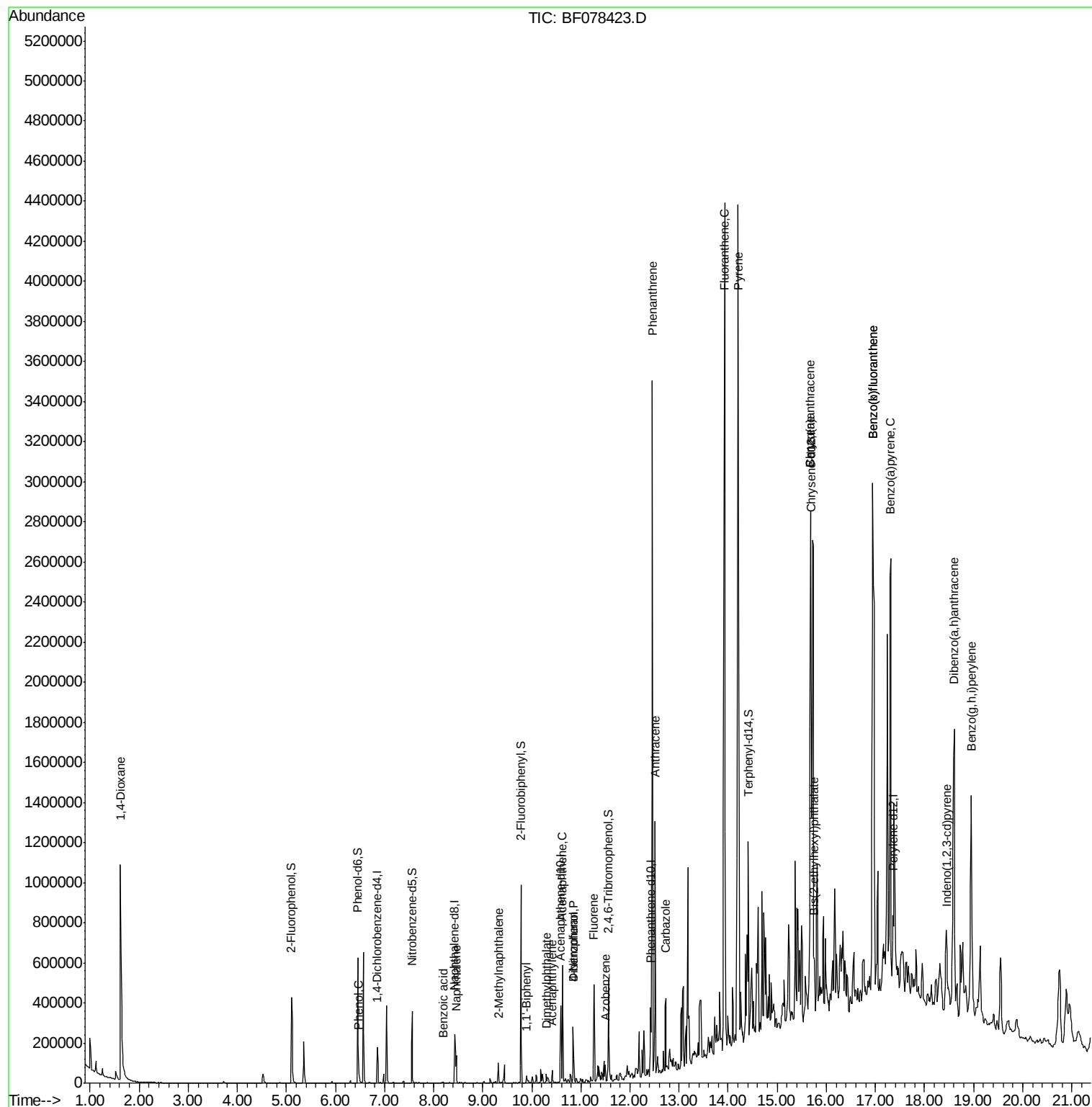
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.62	88	43060	48.06	ng	# 23
10) Phenol	6.48	94	6416	2.16	ng	87
31) Naphthalene	8.46	128	77046	10.71	ng	100
32) Benzoic acid	8.20	122	207	5.98	ng	# 81
37) 2-Methylnaphthalene	9.32	142	37340	7.64	ng	98
45) 1,1'-Biphenyl	9.89	154	16177	2.62	ng	96
48) Acenaphthylene	10.42	152	23901	3.05	ng	99
49) Dimethylphthalate	10.29	163	19435	3.43	ng	99
51) Acenaphthene	10.62	154	170381	38.56	ng	98
54) Dibenzofuran	10.84	168	122467	18.15	ng	98
55) 4-Nitrophenol	10.84	139	43698	45.94	ng	# 20
57) Fluorene	11.27	166	140406	25.67	ng	99
62) Azobenzene	11.49	77	16358	3.28	ng	# 1
70) Phenanthrene	12.45	178	1549760	176.59	ng	97
71) Anthracene	12.51	178	507179	58.65	ng	99
72) Carbazole	12.73	167	220433	27.20	ng	99
74) Fluoranthene	13.93	202	2768814	299.16	ng	96
77) Pyrene	14.20	202	2687976	319.41	ng	# 87
80) Benzo(a)anthracene	15.68	228	1823547	228.63	ng	96
82) Chrysene	15.68	228	1798237	239.96	ng	96
83) Bis(2-ethylhexyl)phthalate	15.76	149	26673	5.30	ng	# 98
85) Indeno(1,2,3-cd)pyrene	18.45	276	222626	26.18	ng	97
87) Benzo(b)fluoranthene	16.95	252	2664111	265.54	ng	# 94
88) Benzo(k)fluoranthene	16.95	252	2673259	299.84	ng	96
89) Benzo(a)pyrene	17.31	252	1459661	166.71	ng	95
90) Dibenzo(a,h)anthracene	18.60	278	259295	29.58	ng	# 91
91) Benzo(g,h,i)perylene	18.96	276	930517	105.87	ng	97

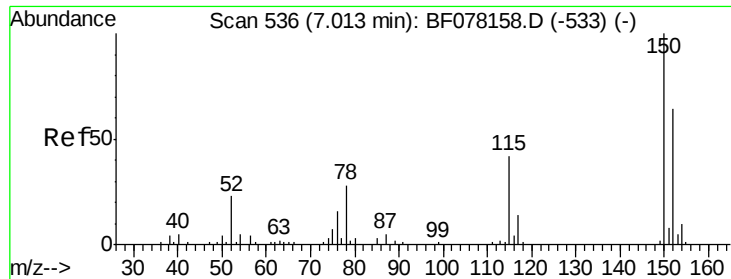
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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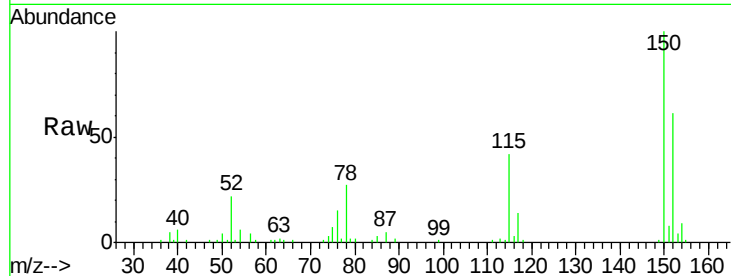




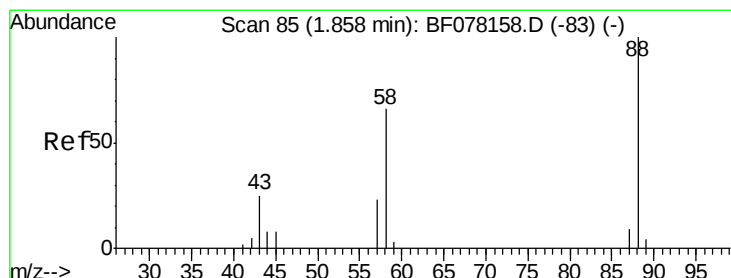
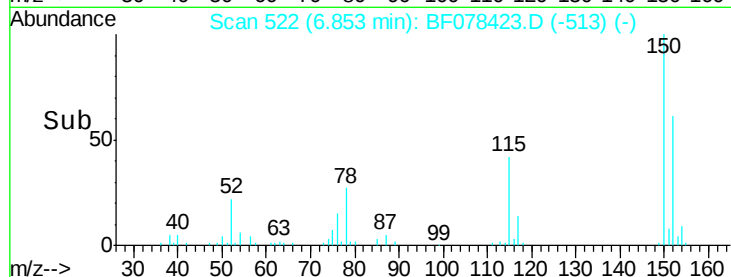
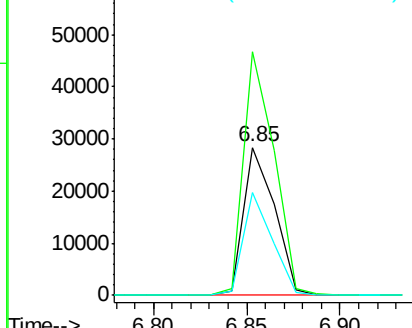
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: BF078423.D
 Acq: 11 Apr 2015 5:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Tgt Ion:152 Resp: 32667
 Ion Ratio Lower Upper
 152 100
 150 164.6 125.9 188.9
 115 69.8 52.7 79.1

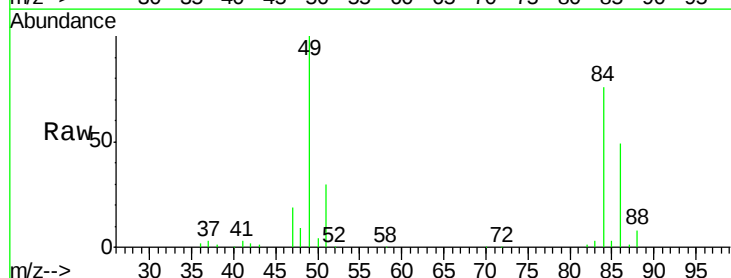


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

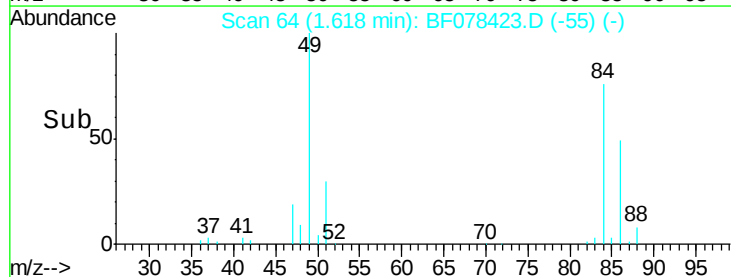
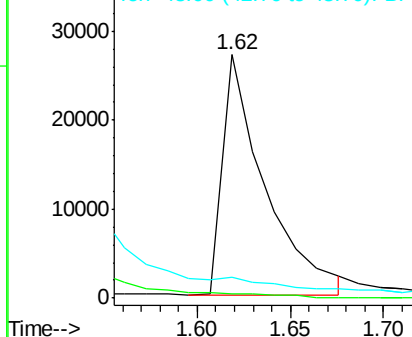


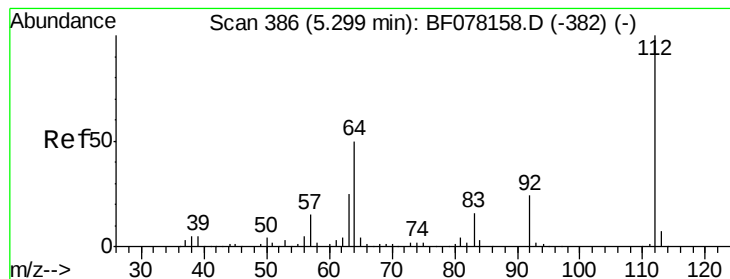
#2
 1,4-Dioxane
 Concen: 48.06 ng
 RT: 1.62 min Scan# 64
 Delta R.T. 0.00 min
 Lab File: BF078423.D
 Acq: 11 Apr 2015 5:05

Tgt Ion: 88 Resp: 43060
 Ion Ratio Lower Upper
 88 100
 58 0.0 56.9 85.3#
 43 0.0 21.4 32.2#



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 89.34 ng

RT: 5.10 min Scan# 369

Delta R.T. 0.00 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

Instrument :

BNA_F

ClientSampleId :

SP-4

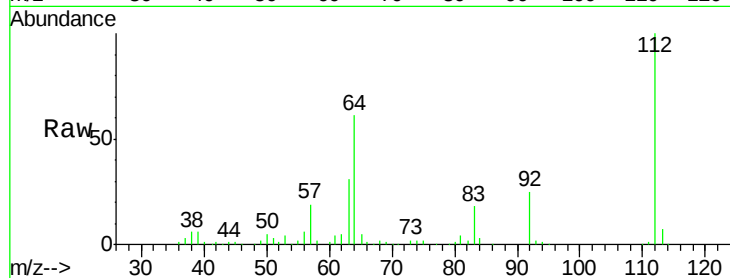
Tgt Ion: 112 Resp: 177016

Ion Ratio Lower Upper

112 100

64 60.7 39.9 59.9#

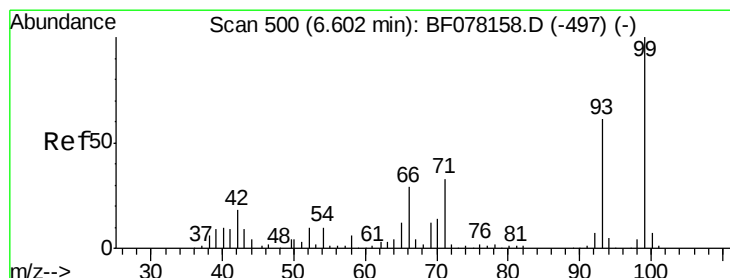
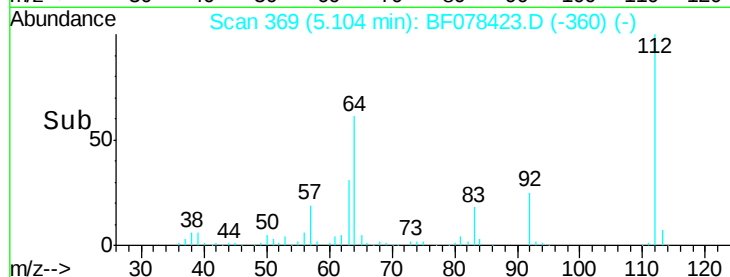
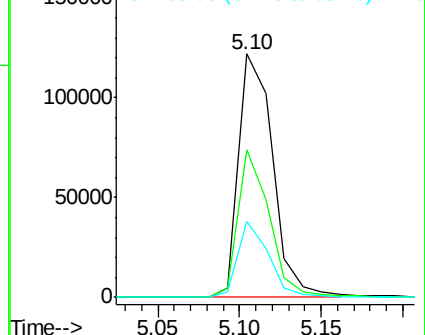
63 31.1 20.2 30.4#



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: 95.04 ng

RT: 6.45 min Scan# 487

Delta R.T. 0.00 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

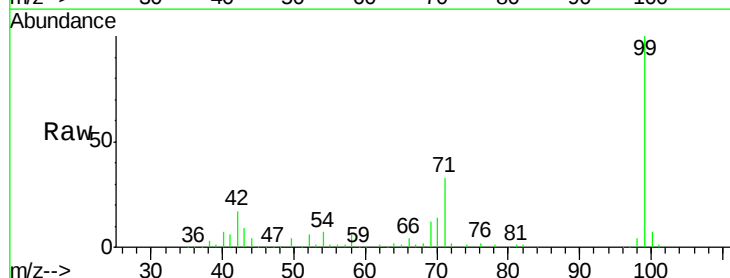
Tgt Ion: 99 Resp: 235996

Ion Ratio Lower Upper

99 100

42 17.0 14.8 22.2

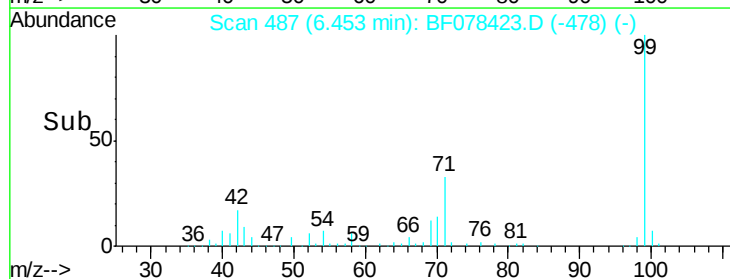
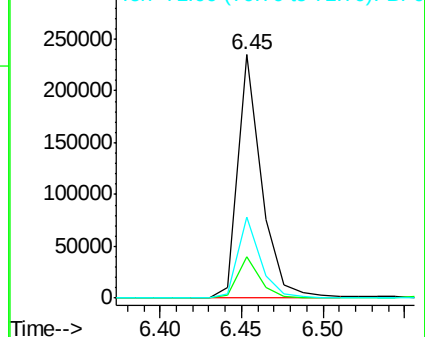
71 33.4 26.6 39.8

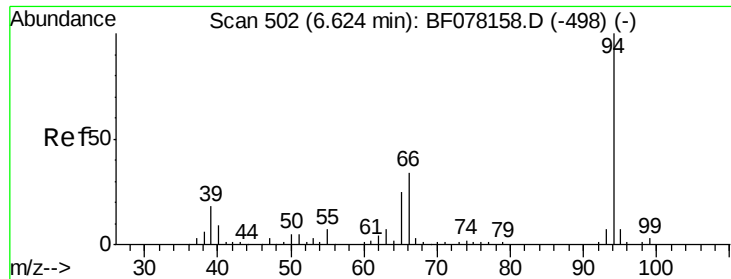


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 2.16 ng

RT: 6.48 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

Instrument :

BNA_F

ClientSampleId :

SP-4

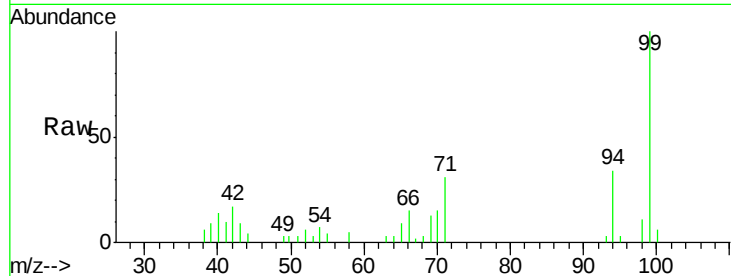
Tgt Ion: 94 Resp: 6416

Ion Ratio Lower Upper

94 100

65 27.7 4.9 44.9

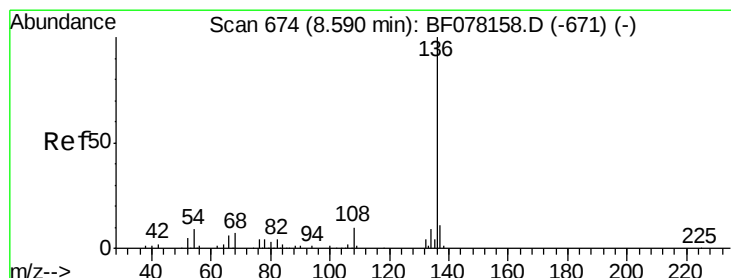
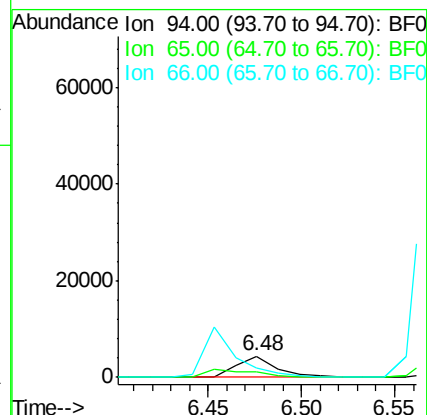
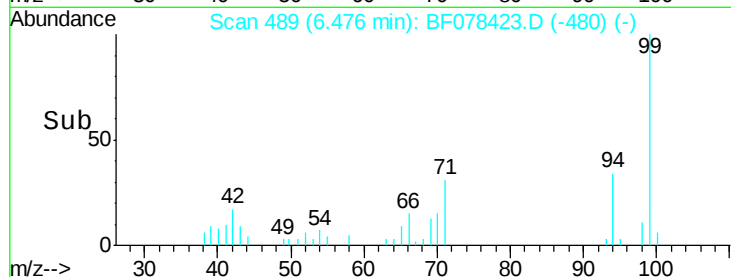
66 44.4 13.8 53.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.43 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

Tgt Ion: 136 Resp: 138252

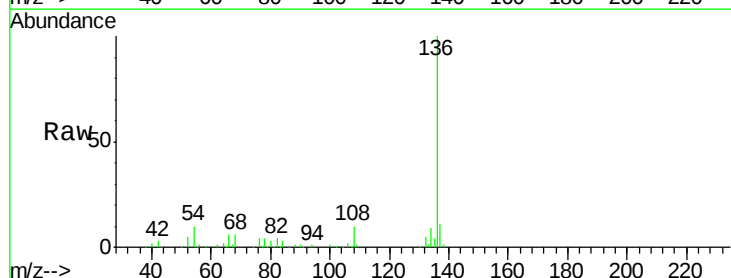
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 9.6 7.0 10.6

68 6.5 5.4 8.2

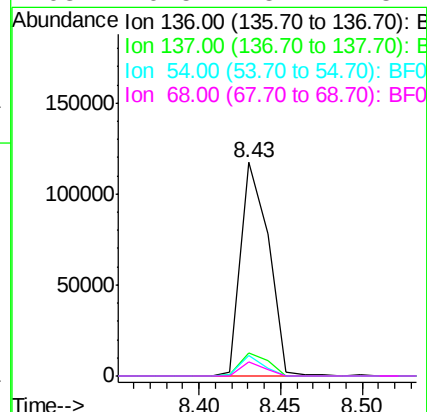
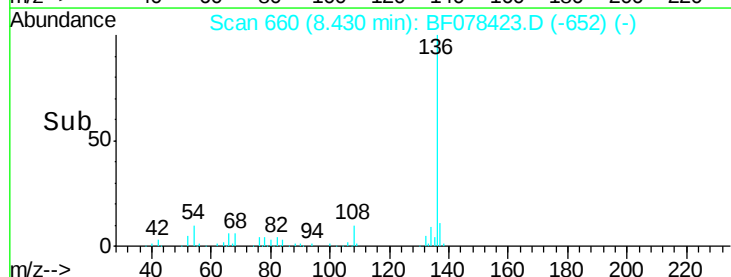


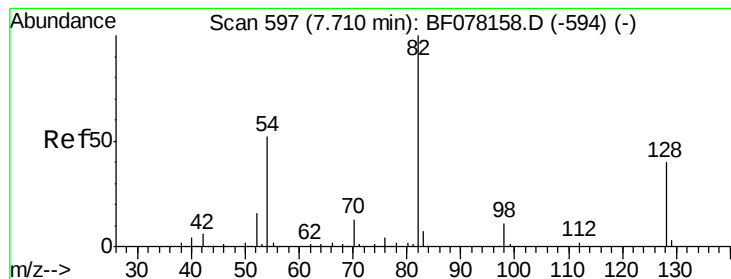
Abundance Ion 136.00 (135.70 to 136.70): E

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





#23

Nitrobenzene-d5

Concen: 60.94 ng

RT: 7.56 min Scan# 584

Delta R.T. 0.00 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

Instrument :

BNA_F

ClientSampleId :

SP-4

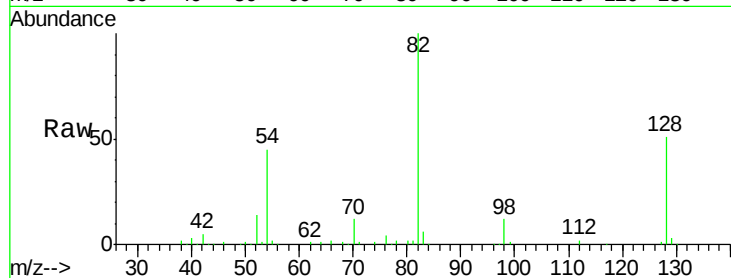
Tgt Ion: 82 Resp: 138997

Ion Ratio Lower Upper

82 100

128 51.2 31.8 47.8#

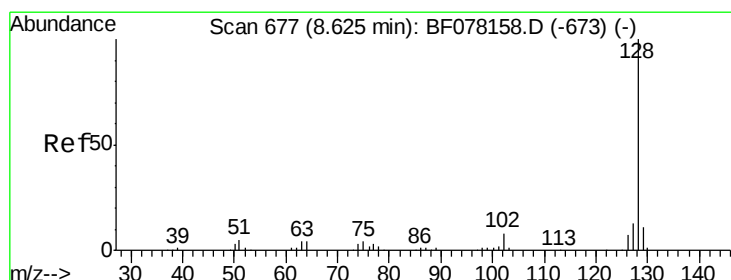
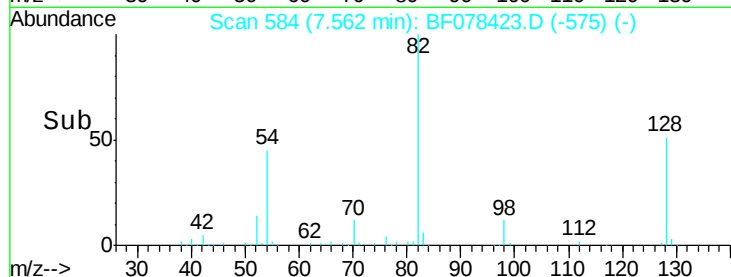
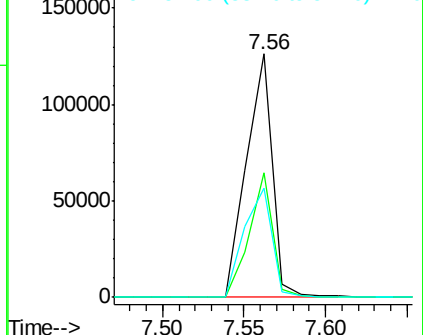
54 44.7 41.5 62.3



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



#31

Naphthalene

Concen: 10.71 ng

RT: 8.46 min Scan# 663

Delta R.T. 0.00 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

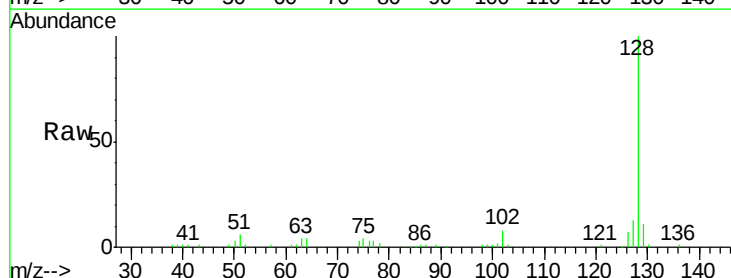
Tgt Ion: 128 Resp: 77046

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

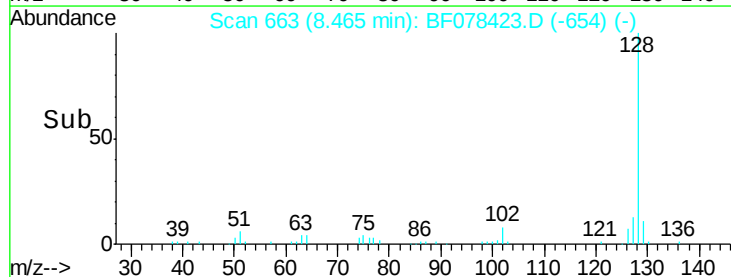
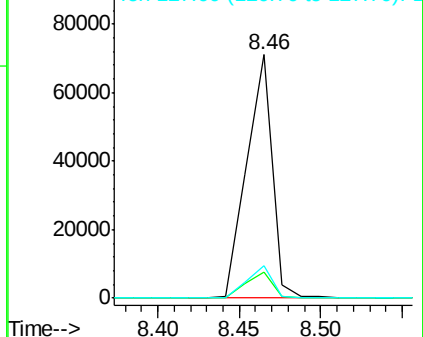
127 13.3 10.7 16.1

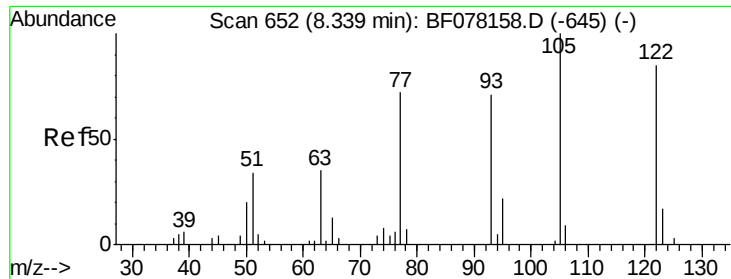


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

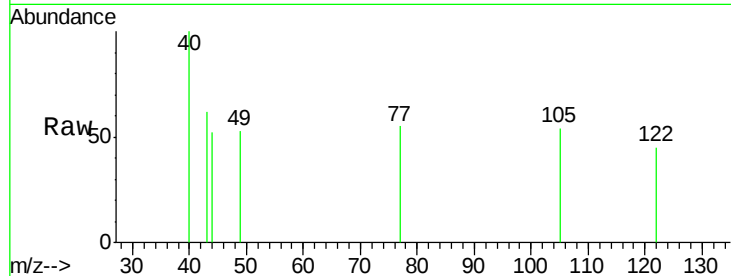




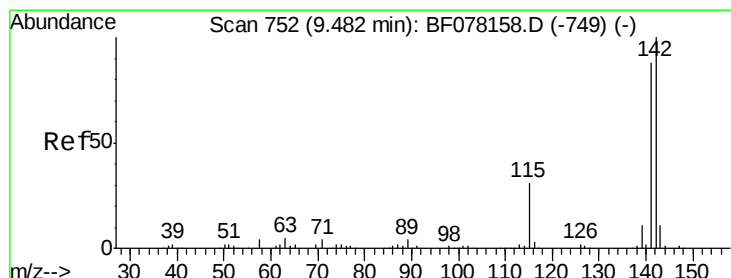
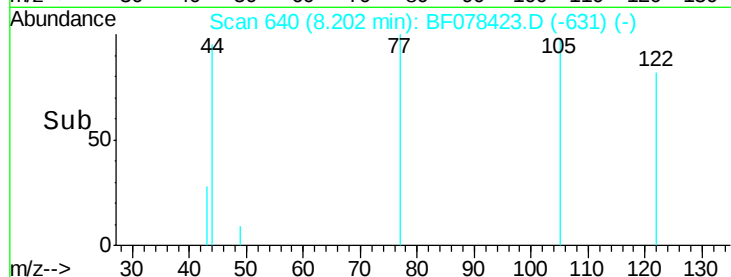
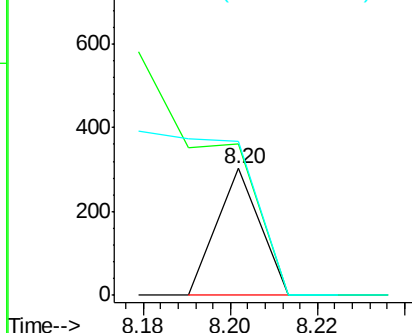
#32
Benzoic acid
Concen: 5.98 ng
RT: 8.20 min Scan# 640
Delta R.T. 0.00 min
Lab File: BF078423.D
Acq: 11 Apr 2015 5:05

Instrument :
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ClientSampleId :
SP-4

Tgt Ion:122 Resp: 207
Ion Ratio Lower Upper
122 100
105 119.5 96.1 136.1
77 122.2 64.1 104.1#

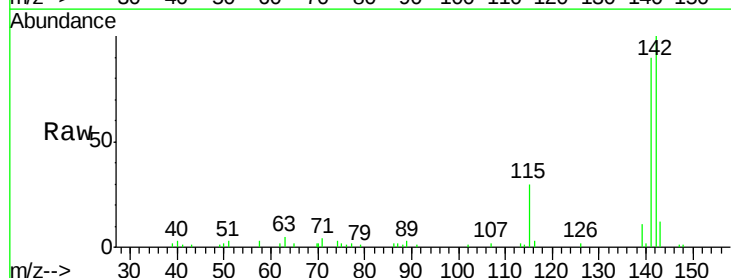


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

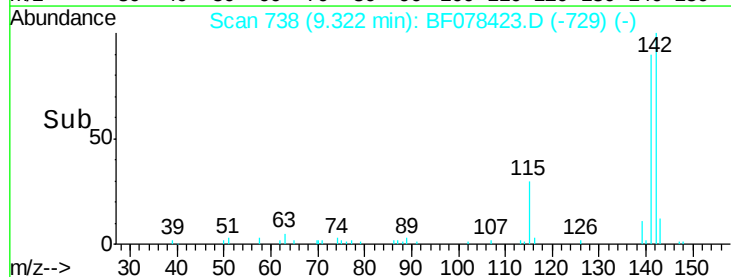
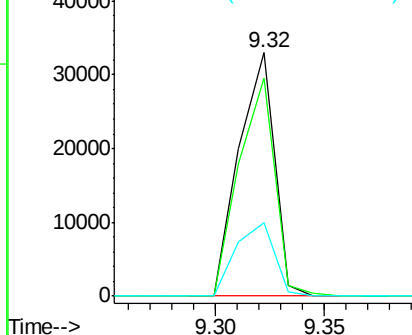


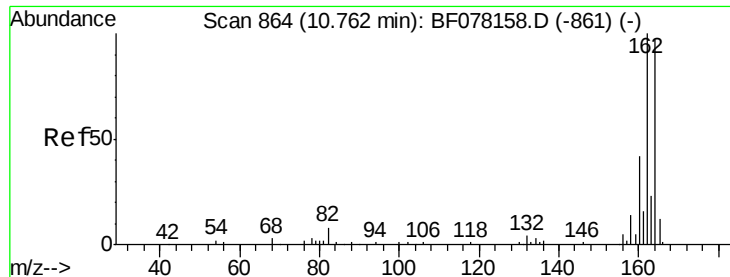
#37
2-Methylnaphthalene
Concen: 7.64 ng
RT: 9.32 min Scan# 738
Delta R.T. 0.00 min
Lab File: BF078423.D
Acq: 11 Apr 2015 5:05

Tgt Ion:142 Resp: 37340
Ion Ratio Lower Upper
142 100
141 89.6 70.3 105.5
115 30.1 24.6 37.0



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

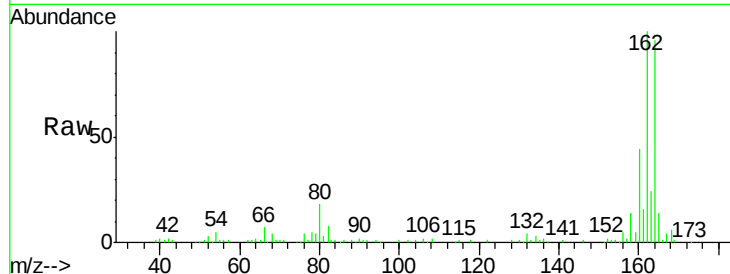




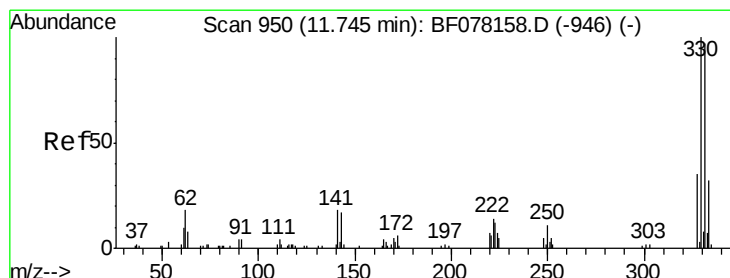
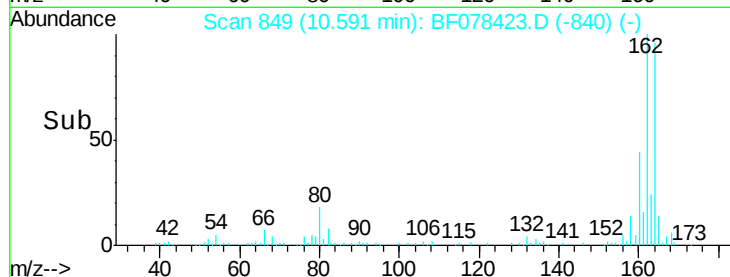
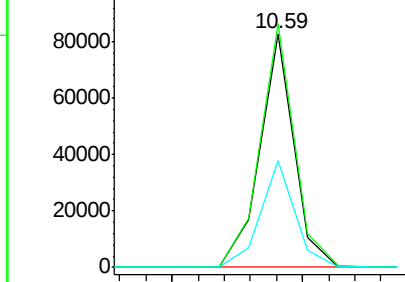
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.59 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: BF078423.D
 Acq: 11 Apr 2015 5:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Tgt Ion:164 Resp: 75510
 Ion Ratio Lower Upper
 164 100
 162 104.2 82.2 123.2
 160 45.6 34.7 52.1

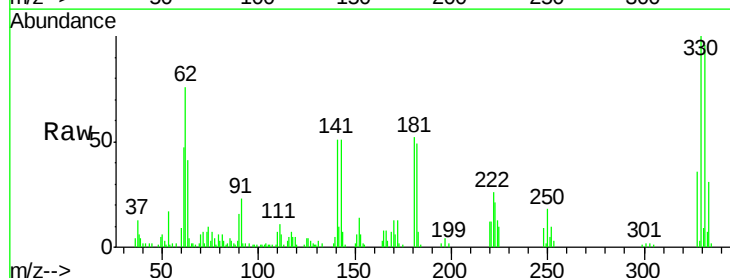


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

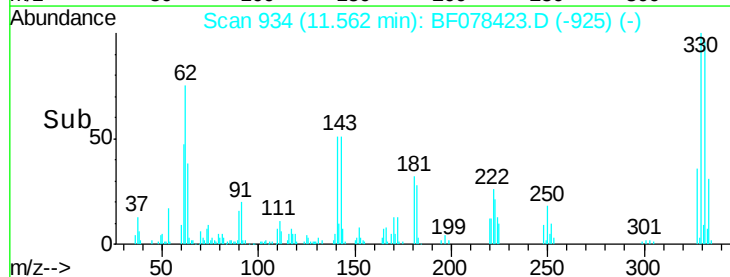
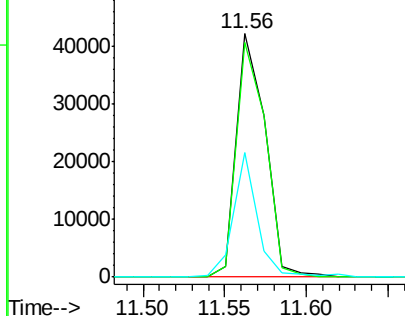


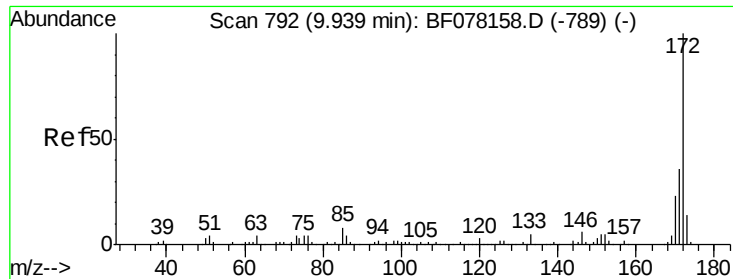
#41
 2,4,6-Tribromophenol
 Concen: 82.08 ng
 RT: 11.56 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: BF078423.D
 Acq: 11 Apr 2015 5:05

Tgt Ion:330 Resp: 51400
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.6 117.8
 141 42.4 31.2 46.8



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

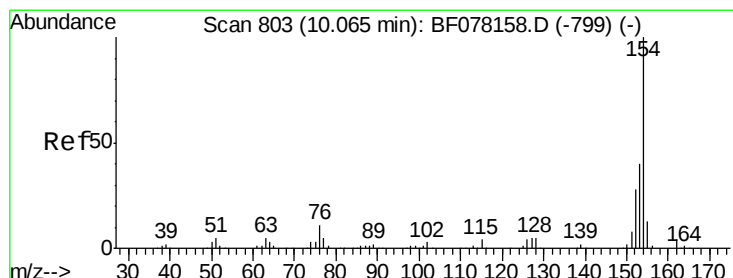
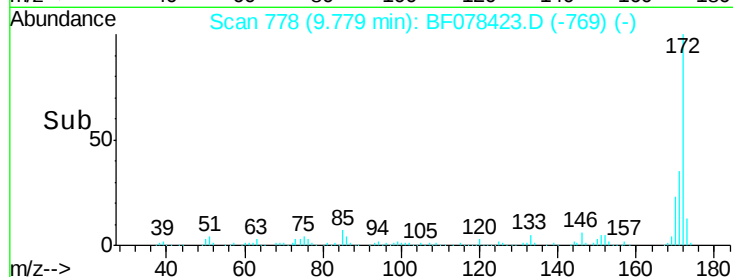
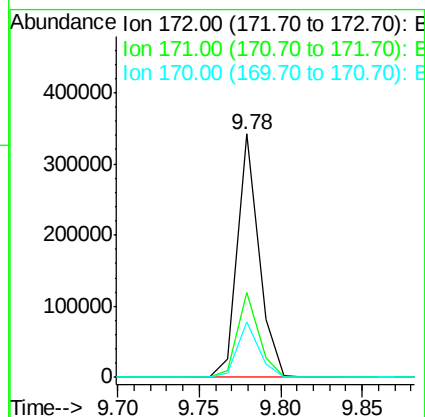
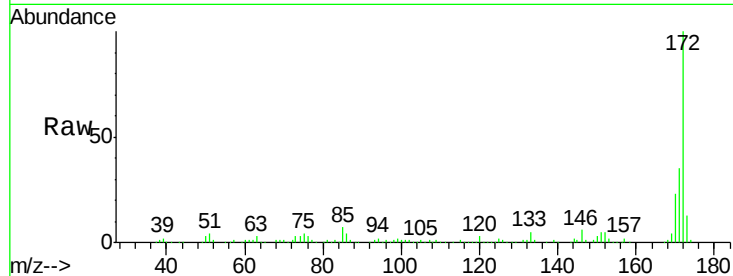




#44
 2-Fluorobiphenyl
 Concen: 58.79 ng
 RT: 9.78 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: BF078423.D
 Acq: 11 Apr 2015 5:05

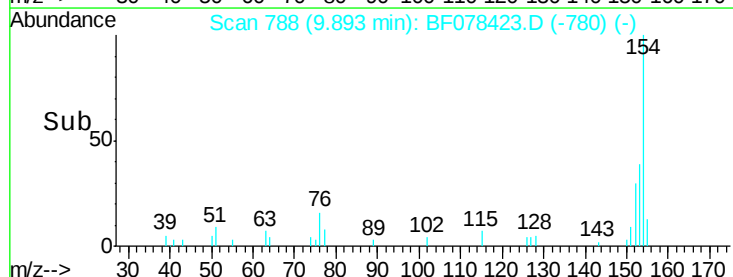
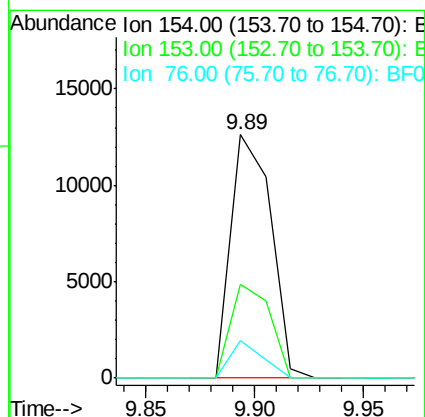
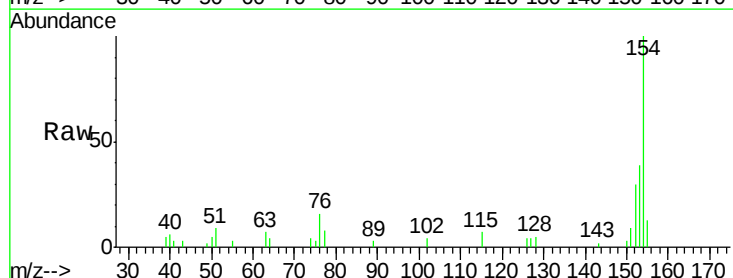
Instrument :
 BNA_F
 ClientSampleId :
 SP-4

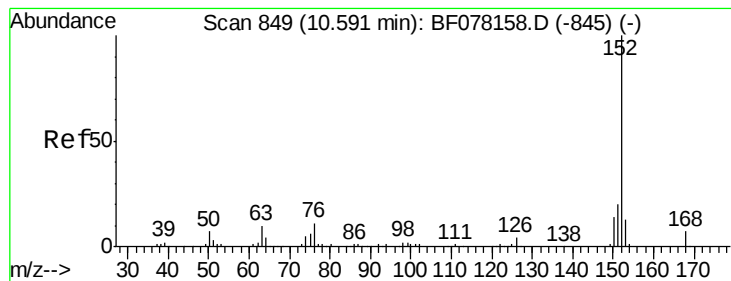
Tgt Ion:172 Resp: 310575
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 42.8
 170 22.9 18.5 27.7



#45
 1,1'-Biphenyl
 Concen: 2.62 ng
 RT: 9.89 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF078423.D
 Acq: 11 Apr 2015 5:05

Tgt Ion:154 Resp: 16177
 Ion Ratio Lower Upper
 154 100
 153 38.8 20.0 60.0
 76 15.6 0.0 30.6





#48

Acenaphthylene

Concen: 3.05 ng

RT: 10.42 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

Instrument :

BNA_F

ClientSampleId :

SP-4

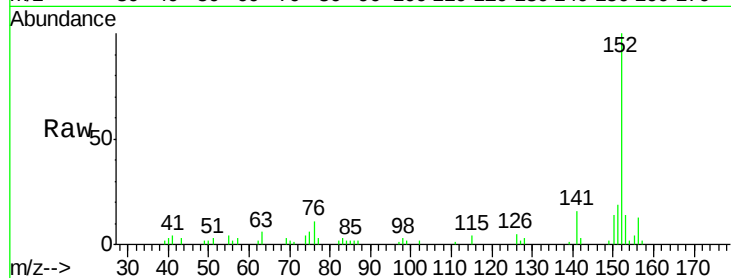
Tgt Ion:152 Resp: 23901

Ion Ratio Lower Upper

152 100

151 19.5 15.7 23.5

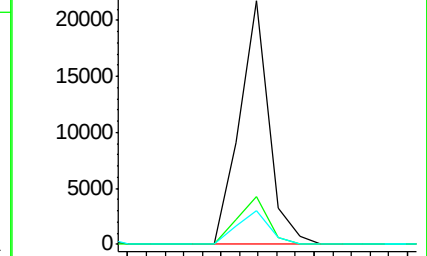
153 13.9 10.2 15.2



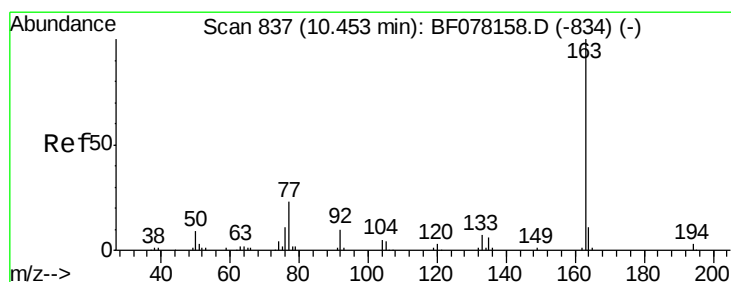
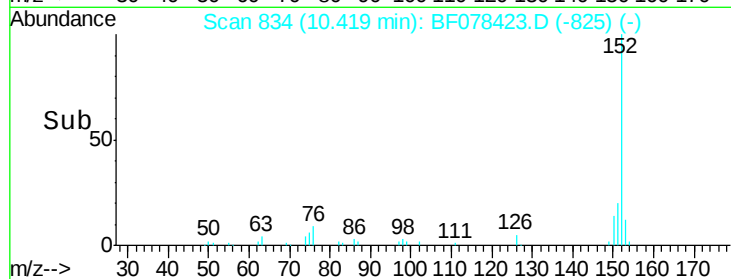
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time--> 10.35 10.40 10.45



#49

Dimethylphthalate

Concen: 3.43 ng

RT: 10.29 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

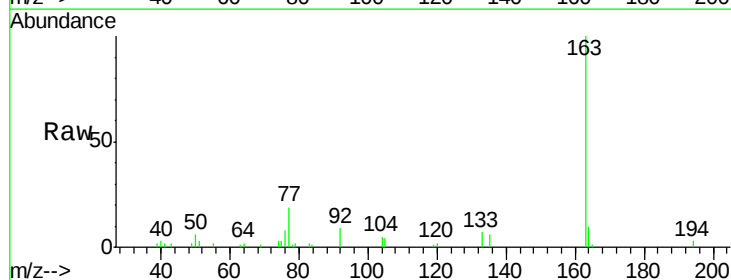
Tgt Ion:163 Resp: 19435

Ion Ratio Lower Upper

163 100

194 3.5 2.3 3.5

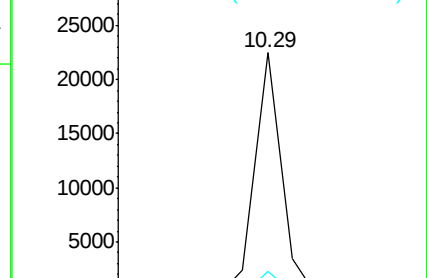
164 10.4 8.6 13.0



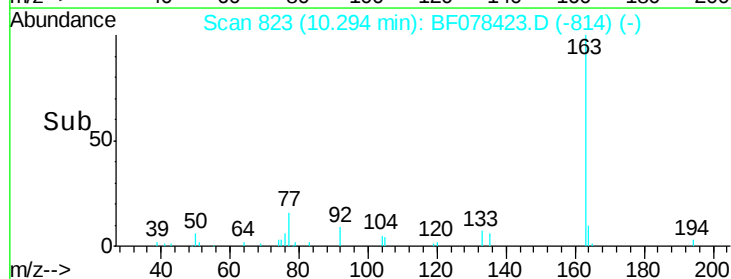
Abundance Ion 163.00 (162.70 to 163.70): E

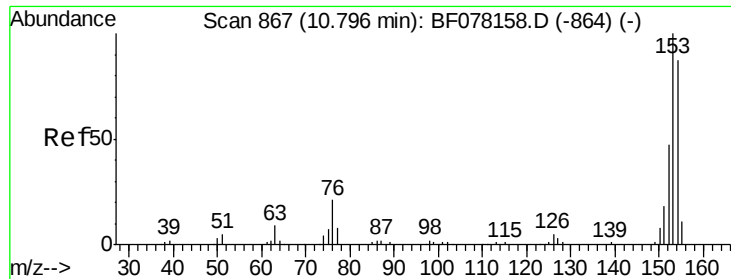
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time--> 10.25 10.30 10.35





#51

Acenaphthene

Concen: 38.56 ng

RT: 10.62 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

Instrument :

BNA_F

ClientSampleId :

SP-4

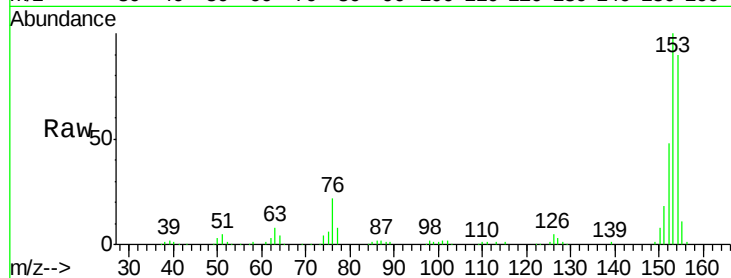
Tgt Ion:154 Resp: 170381

Ion Ratio Lower Upper

154 100

153 111.5 91.4 137.2

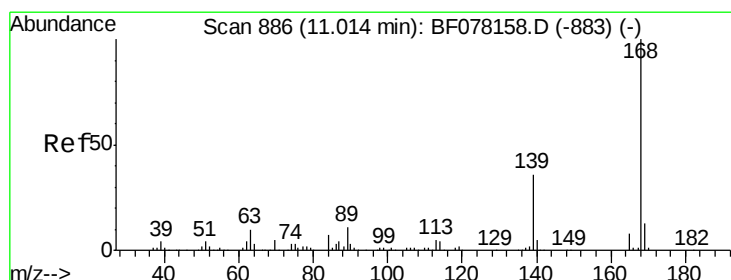
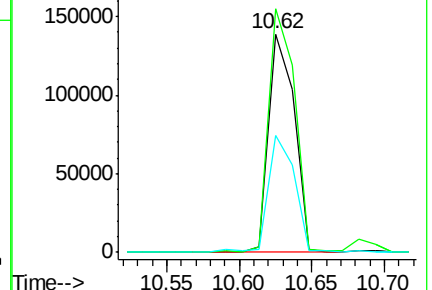
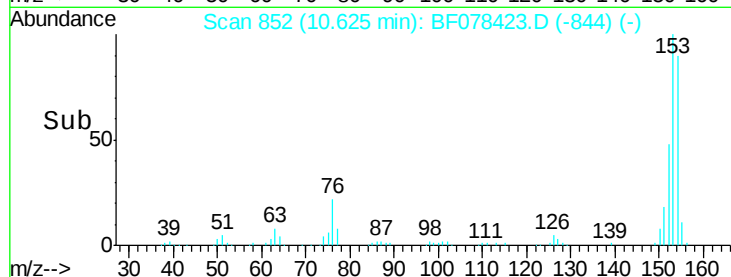
152 53.6 43.0 64.6



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



#54

Dibenzofuran

Concen: 18.15 ng

RT: 10.84 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

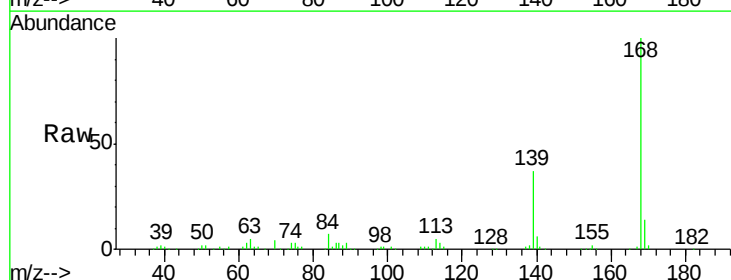
Tgt Ion:168 Resp: 122467

Ion Ratio Lower Upper

168 100

139 37.2 31.0 46.4

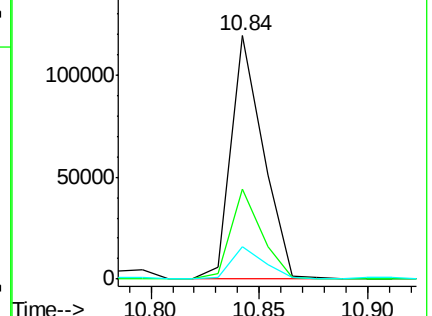
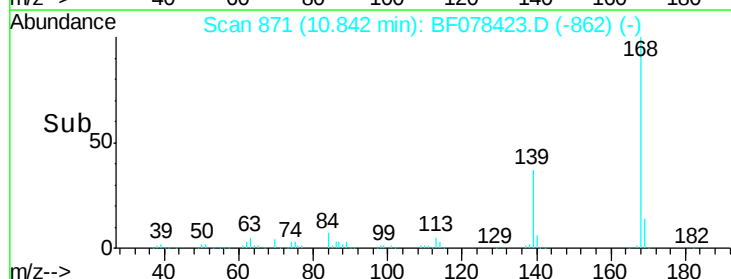
169 13.5 10.7 16.1

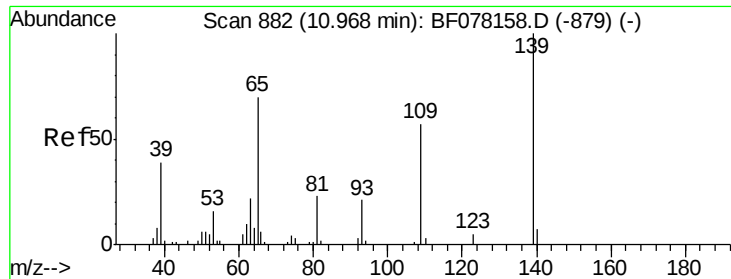


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

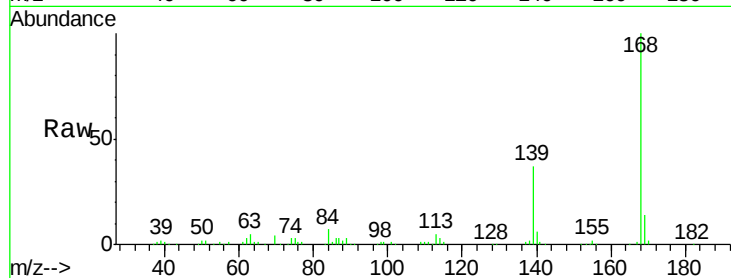




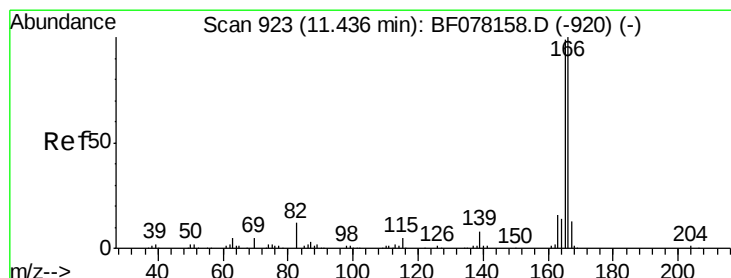
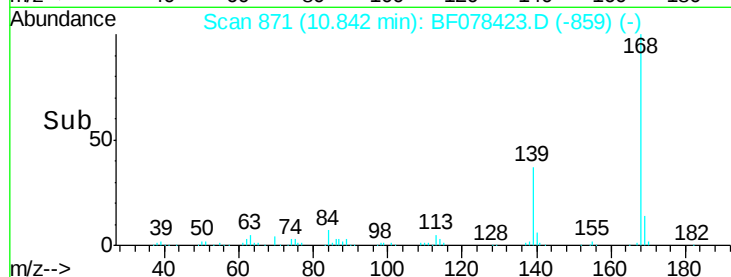
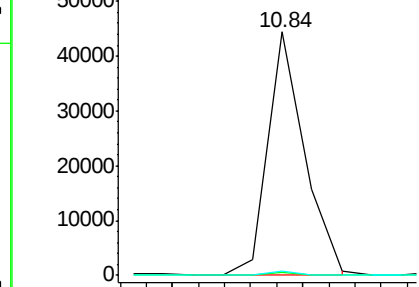
#55
4-Nitrophenol
Concen: 45.94 ng
RT: 10.84 min Scan# 871
Delta R.T. 0.03 min
Lab File: BF078423.D
Acq: 11 Apr 2015 5:05

Instrument :
BNA_F
ClientSampleId :
SP-4

Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.4	36.7	76.7#
65	1.8	49.9	89.9#

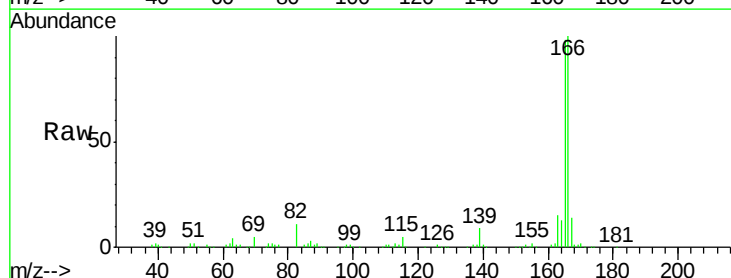


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

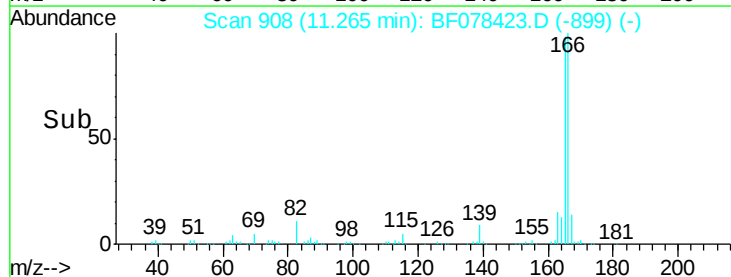
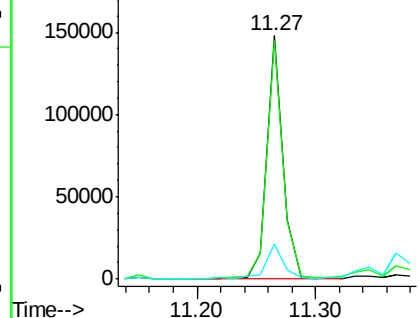


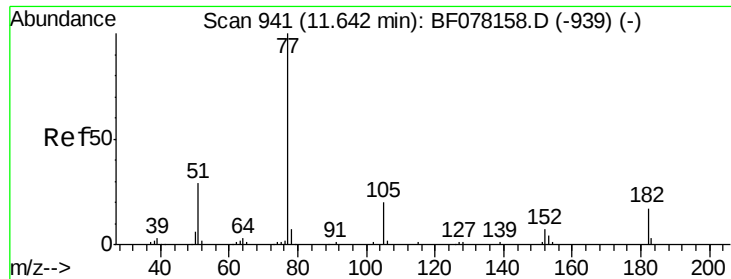
#57
Fluorene
Concen: 25.67 ng
RT: 11.27 min Scan# 908
Delta R.T. 0.00 min
Lab File: BF078423.D
Acq: 11 Apr 2015 5:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.9	118.3
167	14.2	10.7	16.1



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





#62

Azobenzene

Concen: 3.28 ng

RT: 11.49 min Scan# 928

Delta R.T. 0.01 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

Instrument :

BNA_F

ClientSampleId :

SP-4

Tgt Ion: 77 Resp: 16358

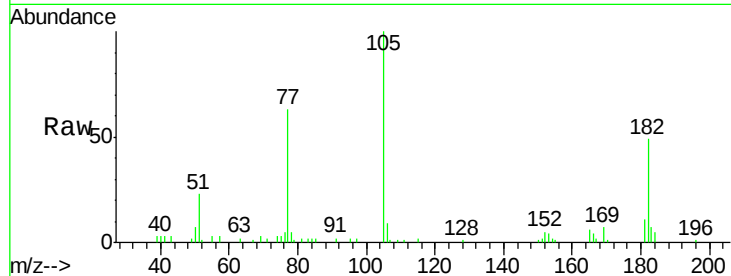
Ion Ratio Lower Upper

77 100

182 77.8 0.0 36.8#

105 159.3 0.3 40.3#

51 37.0 9.1 49.1



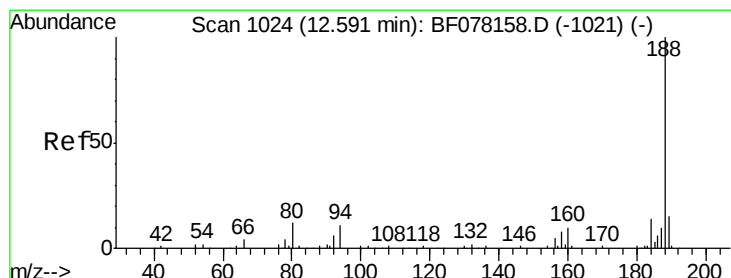
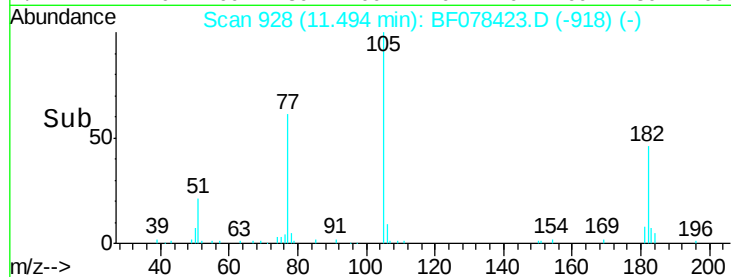
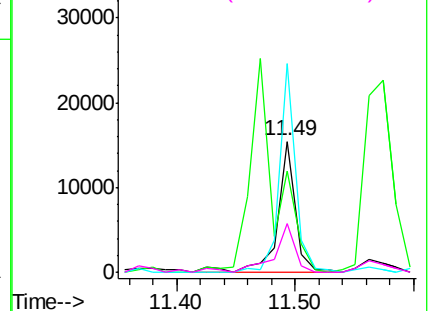
Abundance

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: 12.42 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

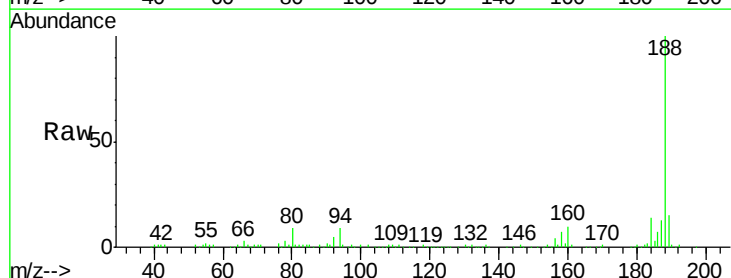
Tgt Ion: 188 Resp: 151721

Ion Ratio Lower Upper

188 100

94 8.8 9.0 13.4#

80 8.7 9.5 14.3#

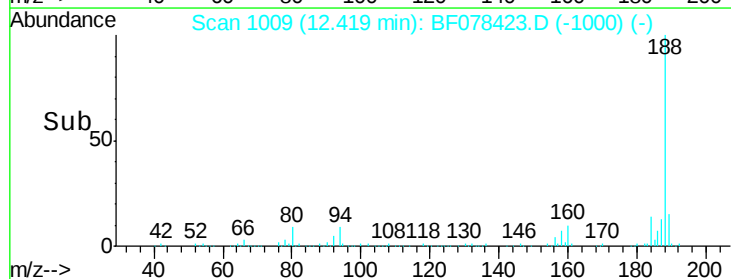
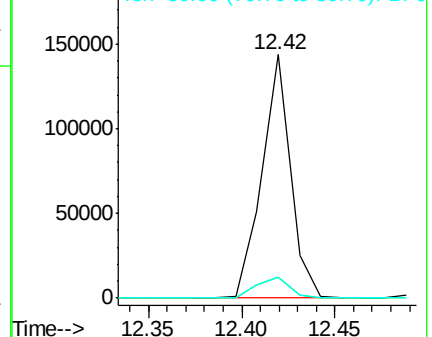


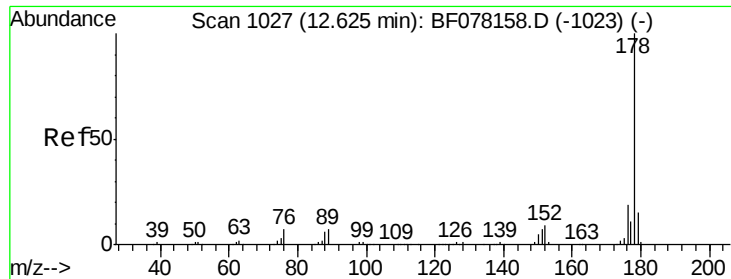
Abundance

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

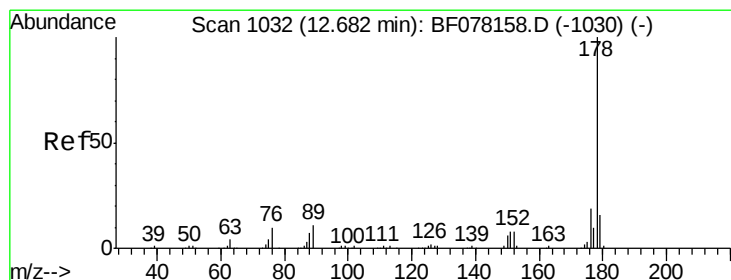
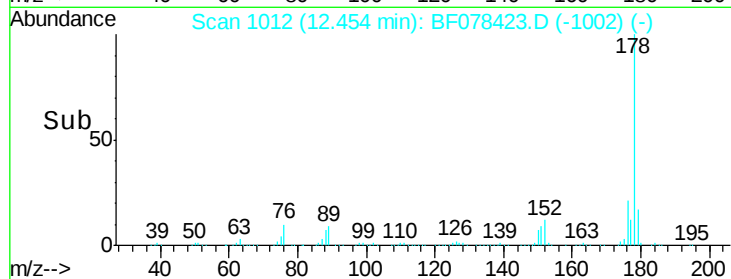
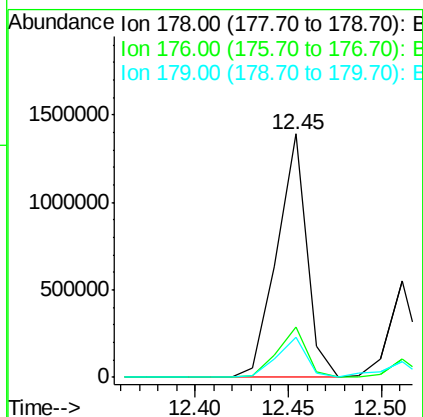
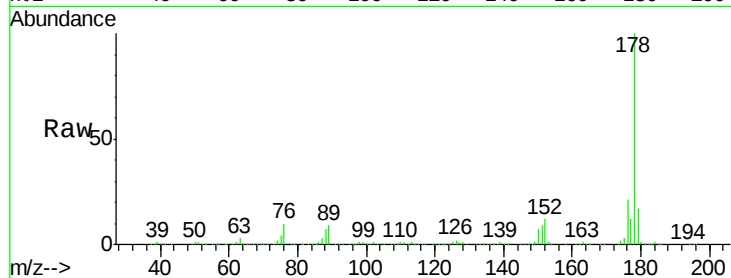




#70
Phenanthrene
Concen: 176.59 ng
RT: 12.45 min Scan# 1012
Delta R.T. 0.01 min
Lab File: BF078423.D
Acq: 11 Apr 2015 5:05

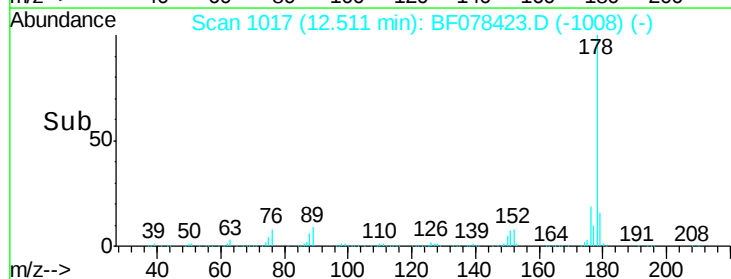
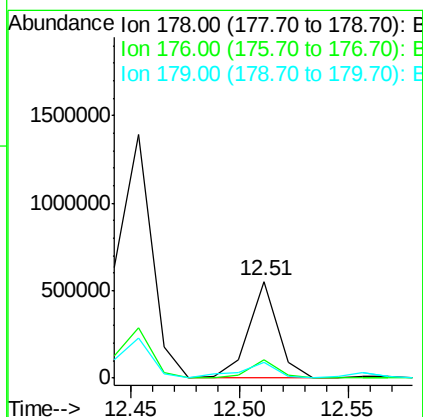
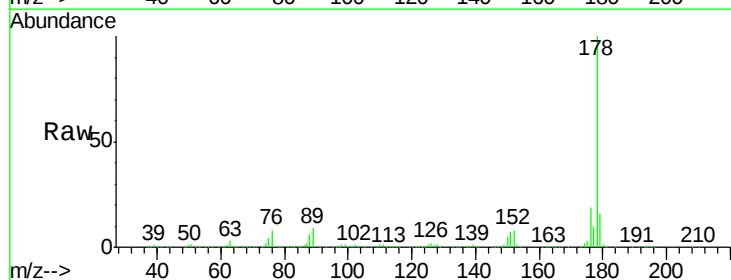
Instrument :
BNA_F
ClientSampleId :
SP-4

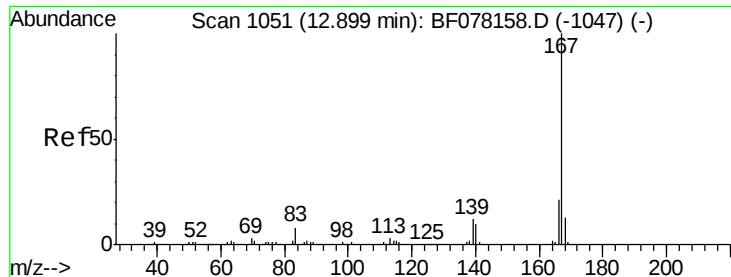
Tgt Ion:178 Resp: 1549760
Ion Ratio Lower Upper
178 100
176 20.7 15.4 23.0
179 16.6 12.2 18.2



#71
Anthracene
Concen: 58.65 ng
RT: 12.51 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF078423.D
Acq: 11 Apr 2015 5:05

Tgt Ion:178 Resp: 507179
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 15.7 12.4 18.6

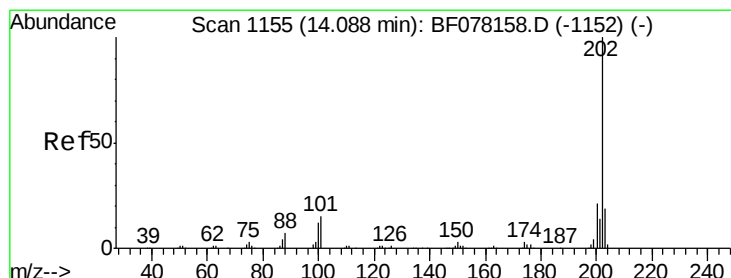
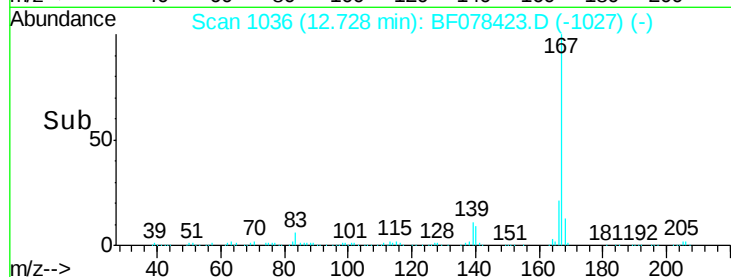
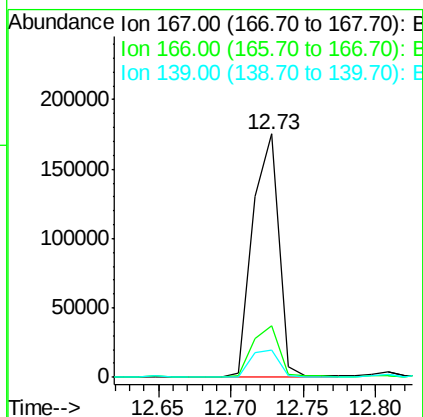
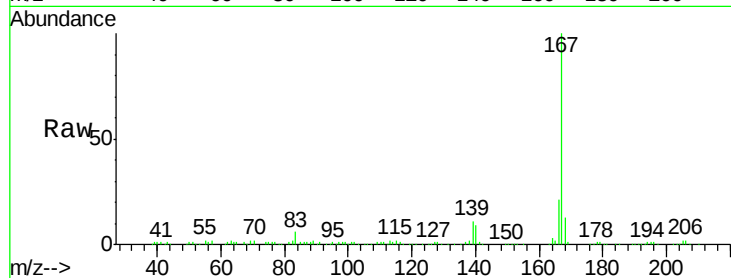




#72
 Carbazole
 Concen: 27.20 ng
 RT: 12.73 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BF078423.D
 Acq: 11 Apr 2015 5:05

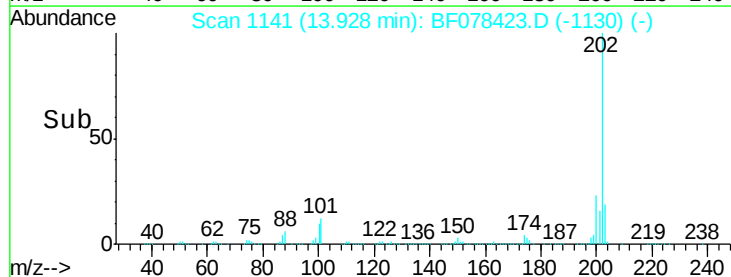
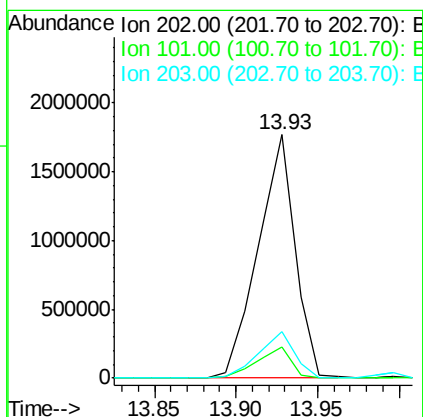
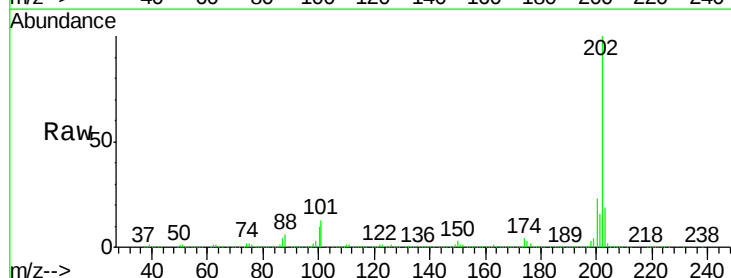
Instrument :
 BNA_F
 ClientSampleId :
 SP-4

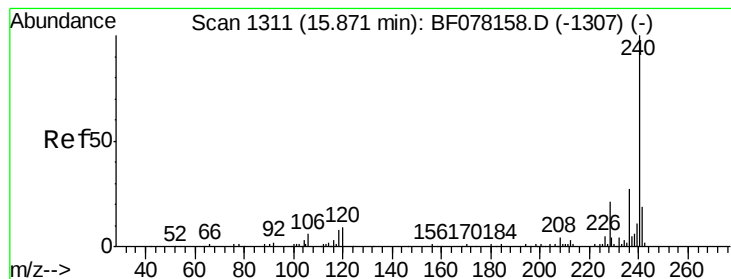
Tgt Ion:167 Resp: 220433
 Ion Ratio Lower Upper
 167 100
 166 21.1 16.8 25.2
 139 11.3 10.0 15.0



#74
 Fluoranthene
 Concen: 299.16 ng
 RT: 13.93 min Scan# 1141
 Delta R.T. 0.02 min
 Lab File: BF078423.D
 Acq: 11 Apr 2015 5:05

Tgt Ion:202 Resp: 2768814
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 35.2
 203 19.2 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.69 min Scan# 1295

Delta R.T. 0.01 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

Instrument :

BNA_F

ClientSampleId :

SP-4

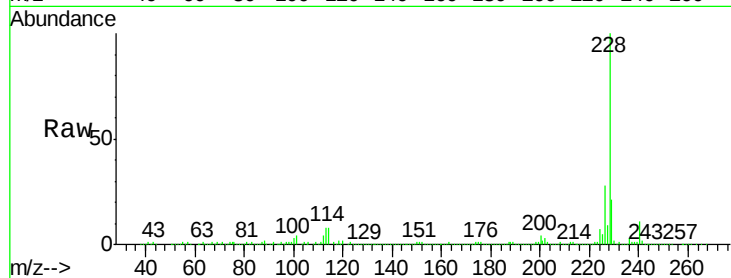
Tgt Ion:240 Resp: 134055

Ion Ratio Lower Upper

240 100

120 16.6 7.1 10.7#

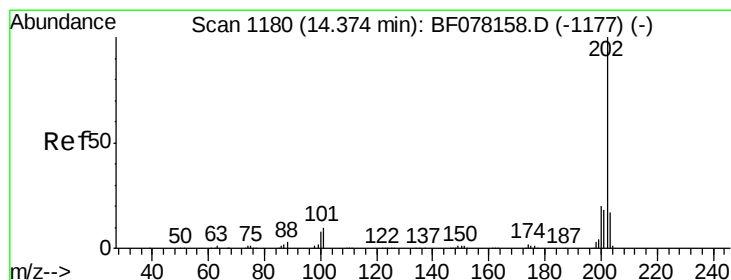
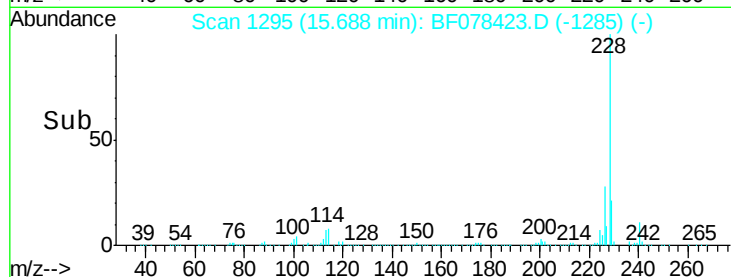
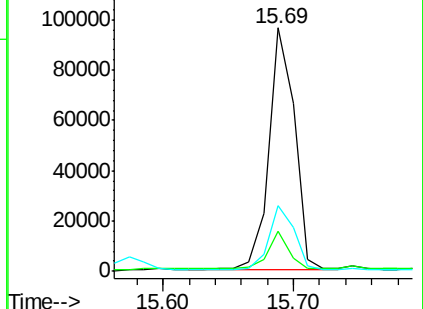
236 26.7 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 319.41 ng

RT: 14.20 min Scan# 1165

Delta R.T. 0.02 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

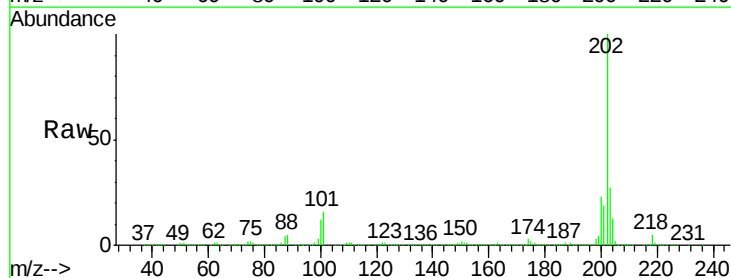
Tgt Ion:202 Resp: 2687976

Ion Ratio Lower Upper

202 100

200 23.2 16.3 24.5

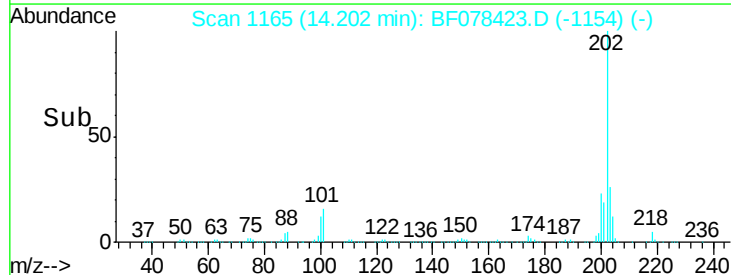
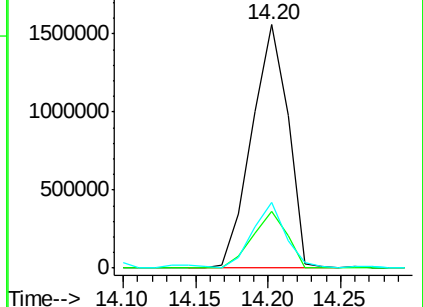
203 26.8 13.8 20.6#

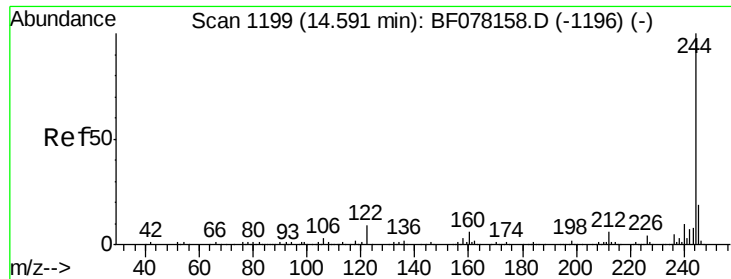


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

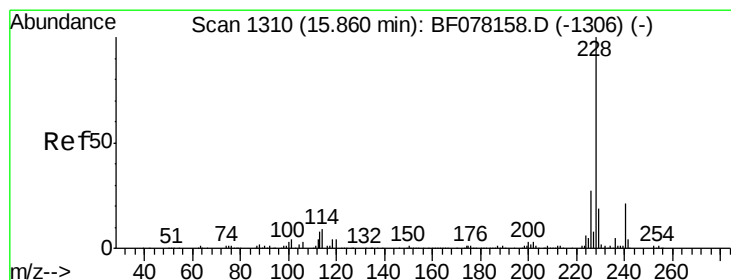
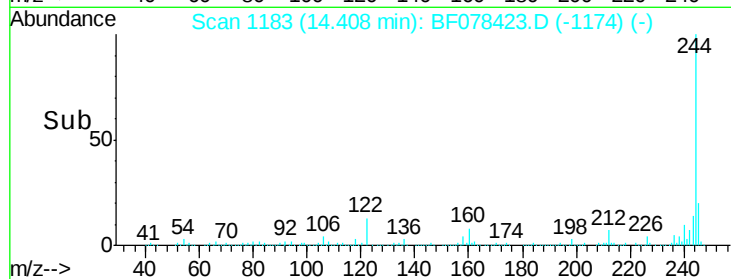
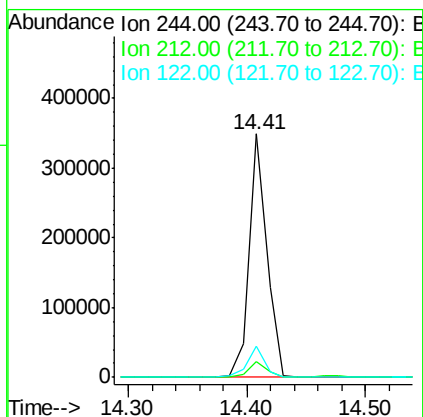
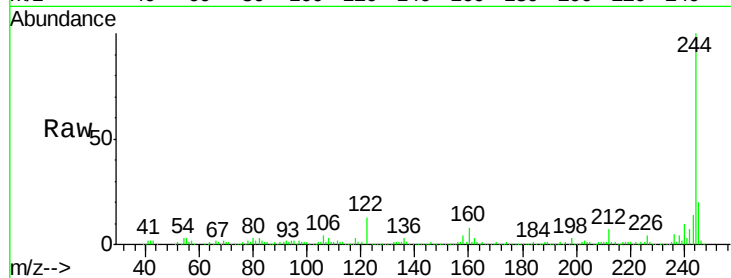




#78
 Terphenyl-d14
 Concen: 61.73 ng
 RT: 14.41 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF078423.D
 Acq: 11 Apr 2015 5:05

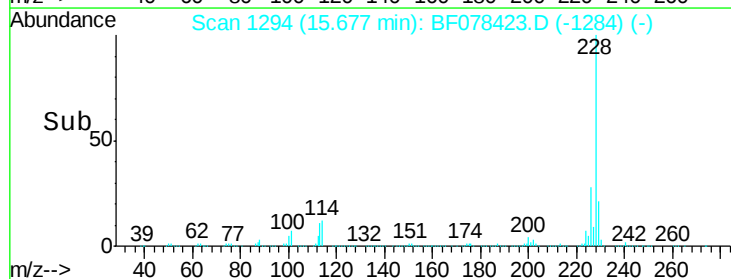
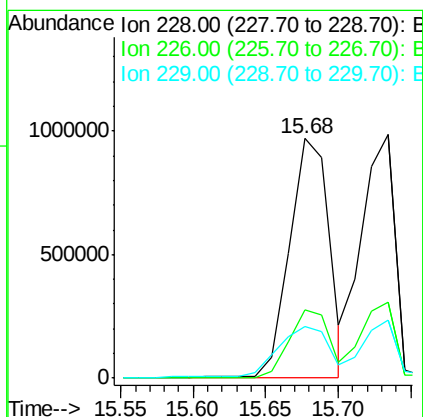
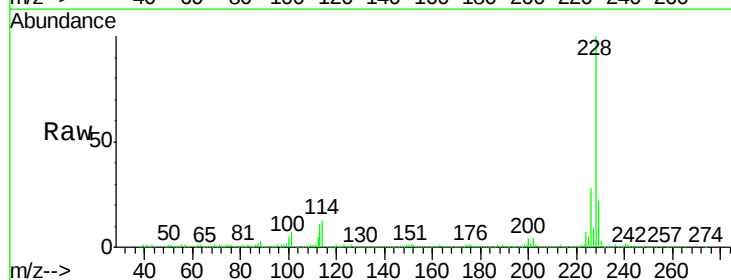
Instrument :
 BNA_F
 ClientSampleId :
 SP-4

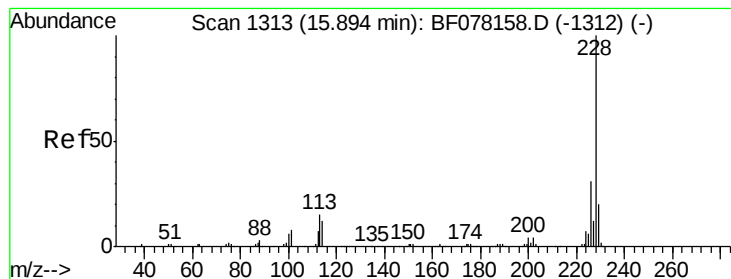
Tgt Ion:244 Resp: 366186
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.0 7.4
 122 12.8 7.1 10.7#



#80
 Benzo(a)anthracene
 Concen: 228.63 ng
 RT: 15.68 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: BF078423.D
 Acq: 11 Apr 2015 5:05

Tgt Ion:228 Resp: 1823547
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.3 31.9
 229 21.7 15.4 23.2





#82

Chrysene

Concen: 239.96 ng

RT: 15.68 min Scan# 1294

Delta R.T. -0.03 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

Instrument :

BNA_F

ClientSampleId :

SP-4

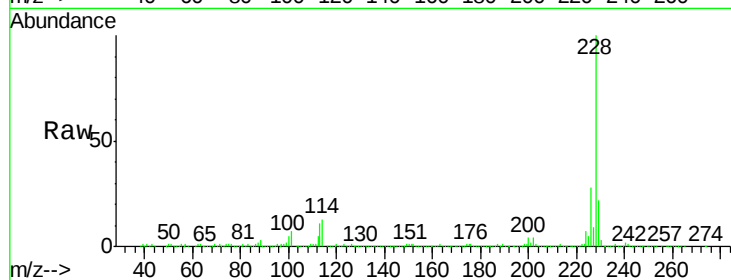
Tgt Ion:228 Resp: 1798237

Ion Ratio Lower Upper

228 100

226 28.5 24.2 36.4

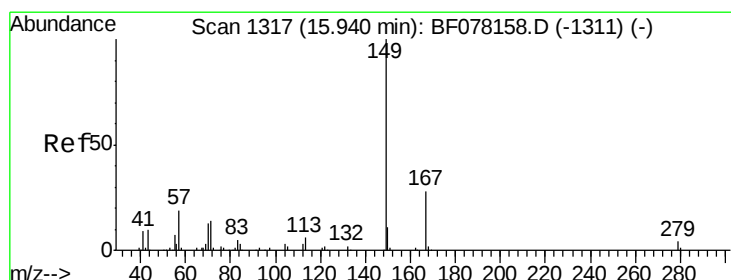
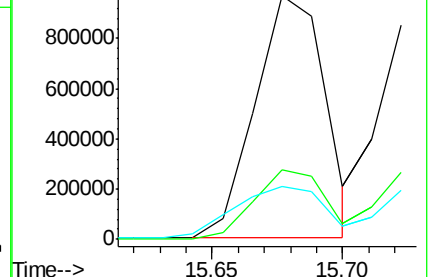
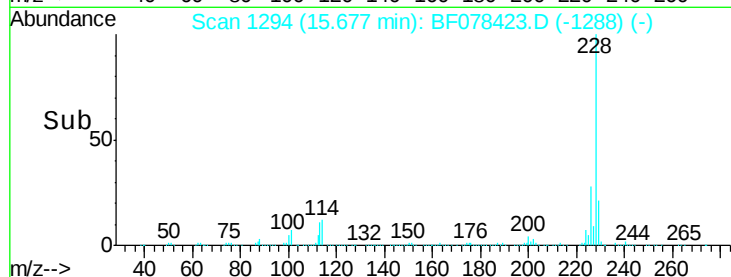
229 21.7 15.8 23.8



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.30 ng

RT: 15.76 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

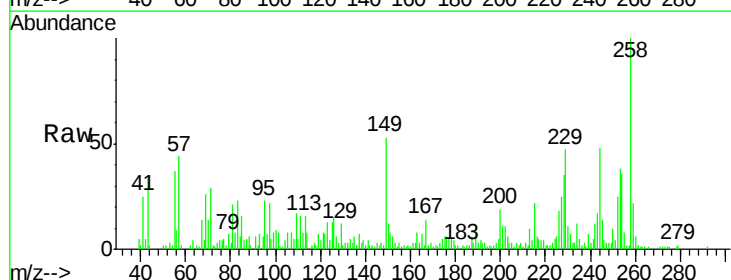
Tgt Ion:149 Resp: 26673

Ion Ratio Lower Upper

149 100

167 26.8 22.2 33.2

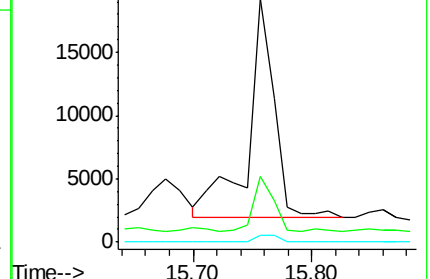
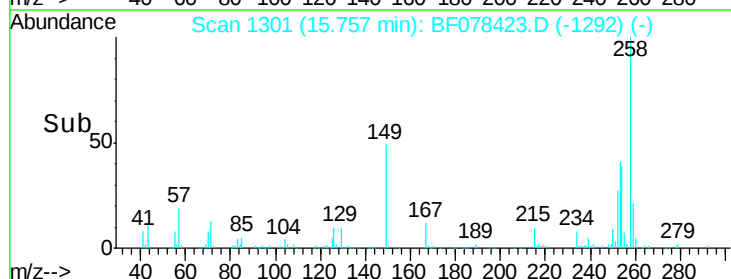
279 3.0 3.2 4.8#

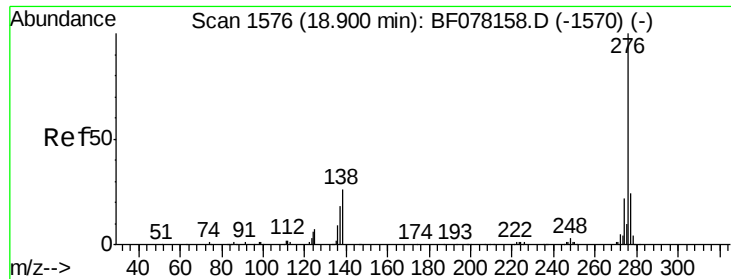


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

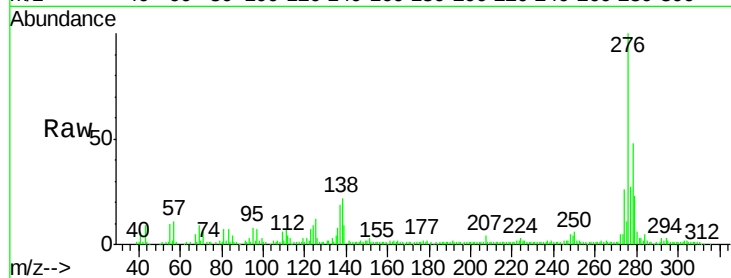




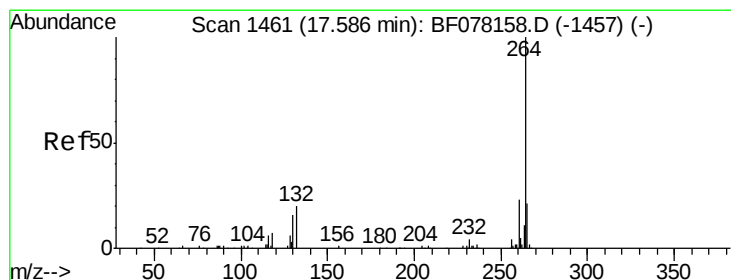
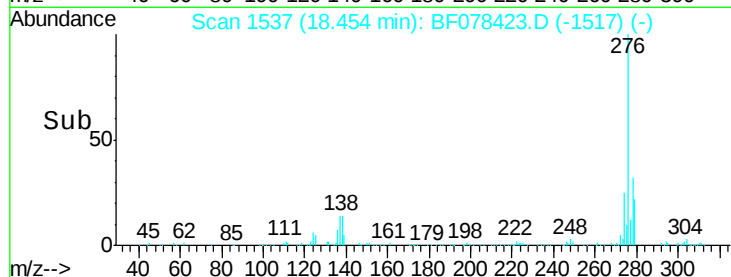
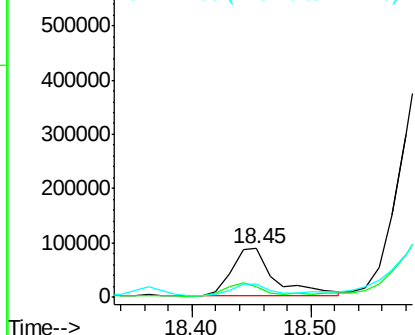
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 26.18 ng
 RT: 18.45 min Scan# 1537
 Delta R.T. -0.07 min
 Lab File: BF078423.D
 Acq: 11 Apr 2015 5:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	16.9	25.3
277	20.3	15.8	23.6

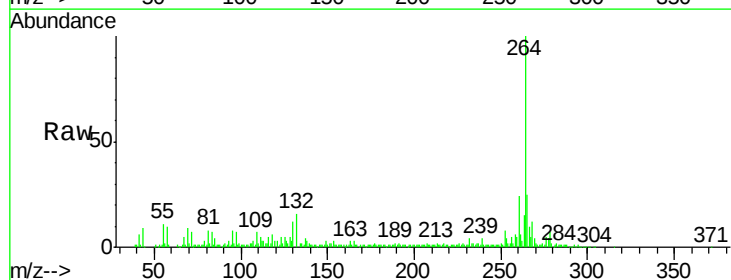


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

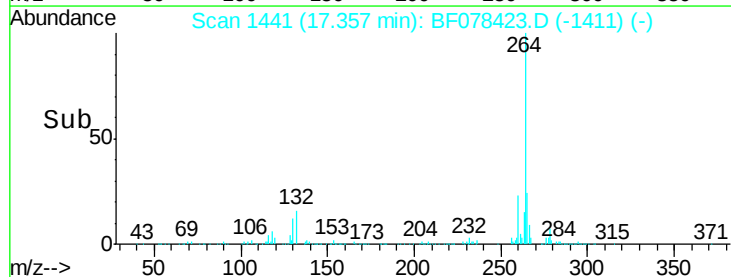
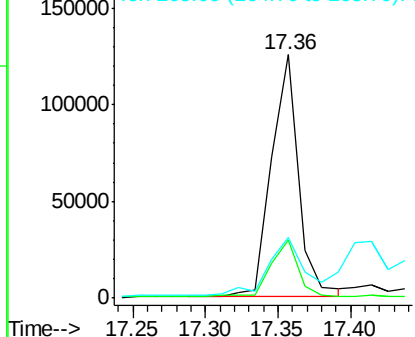


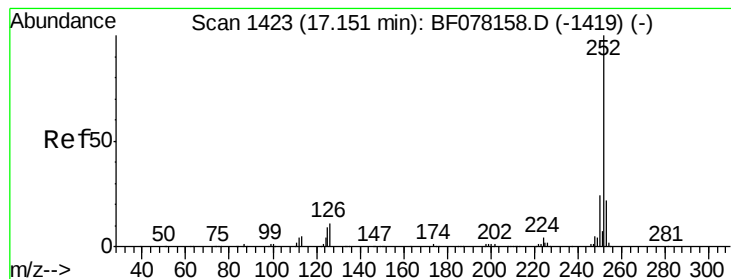
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.36 min Scan# 1441
 Delta R.T. 0.05 min
 Lab File: BF078423.D
 Acq: 11 Apr 2015 5:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	27.8
265	25.0	17.0	25.6



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 265.54 ng

RT: 16.95 min Scan# 1405

Delta R.T. 0.03 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

Instrument :

BNA_F

ClientSampleId :

SP-4

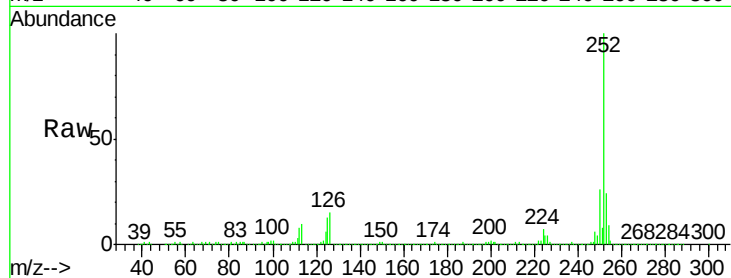
Tgt Ion:252 Resp: 2664111

Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

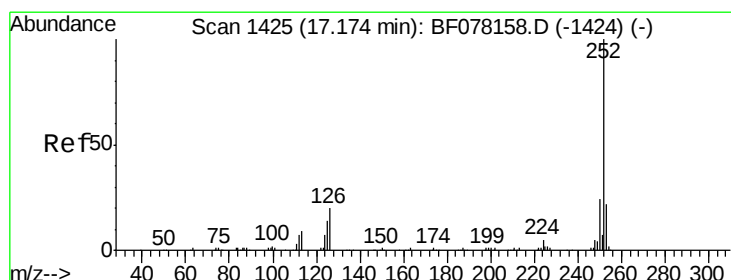
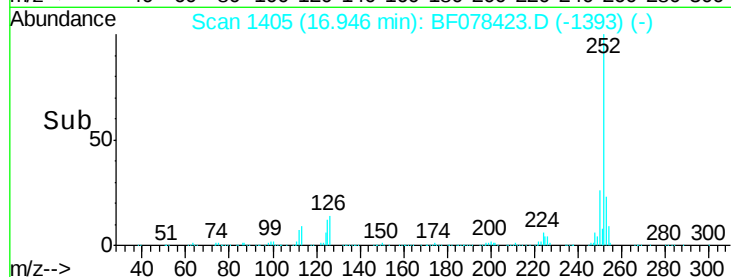
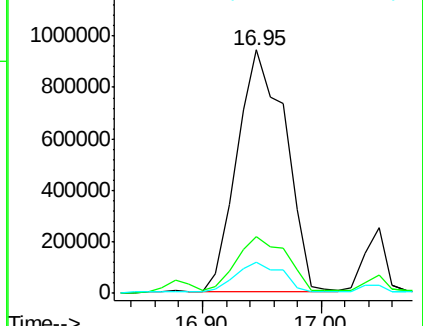
125 12.7 7.0 10.4#



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



#88

Benzo(k)fluoranthene

Concen: 299.84 ng

RT: 16.95 min Scan# 1405

Delta R.T. 0.01 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

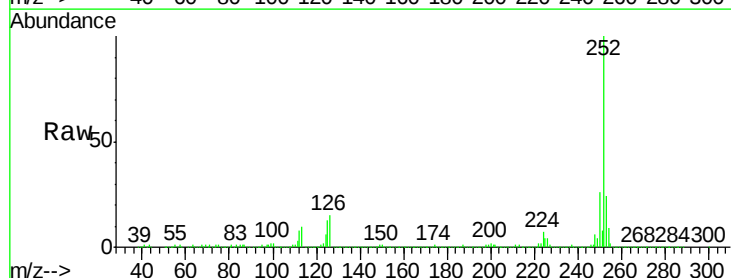
Tgt Ion:252 Resp: 2673259

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

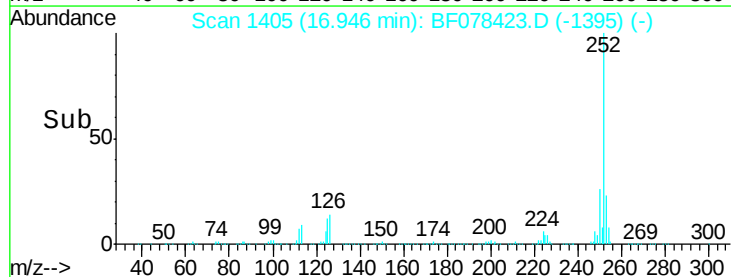
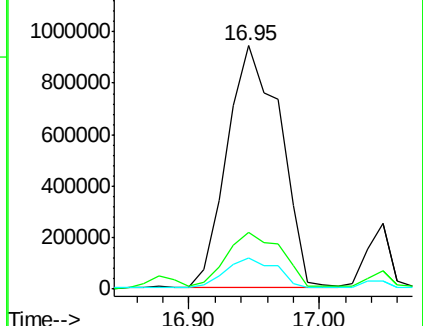
125 12.7 11.6 17.4

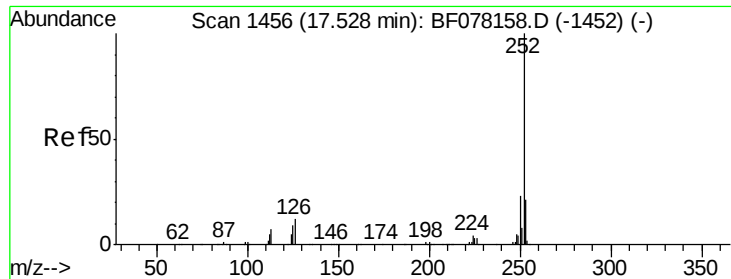


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 166.71 ng

RT: 17.31 min Scan# 1437

Delta R.T. 0.06 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

Instrument :

BNA_F

ClientSampleId :

SP-4

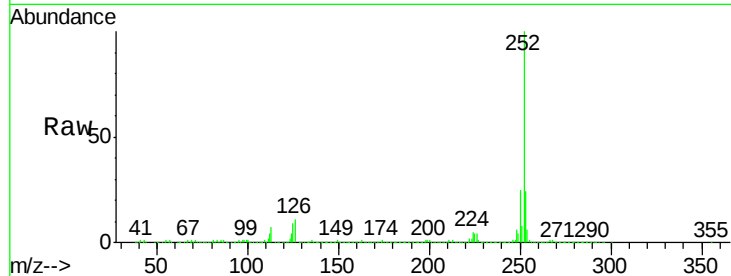
Tgt Ion:252 Resp: 1459661

Ion Ratio Lower Upper

252 100

253 24.4 16.8 25.2

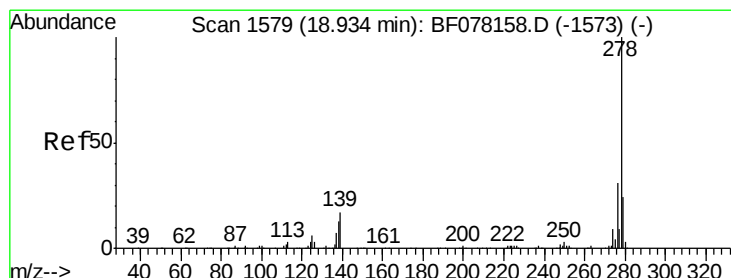
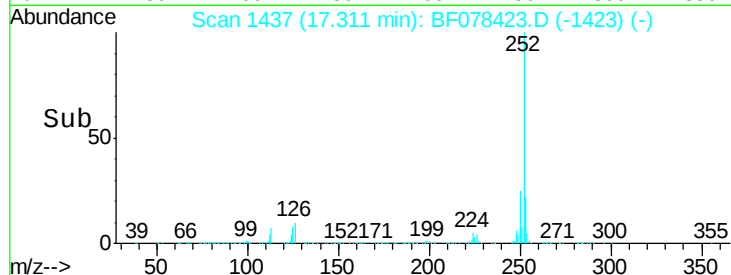
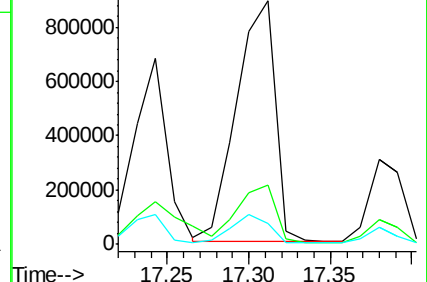
125 8.8 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 29.58 ng

RT: 18.60 min Scan# 1550

Delta R.T. 0.05 min

Lab File: BF078423.D

Acq: 11 Apr 2015 5:05

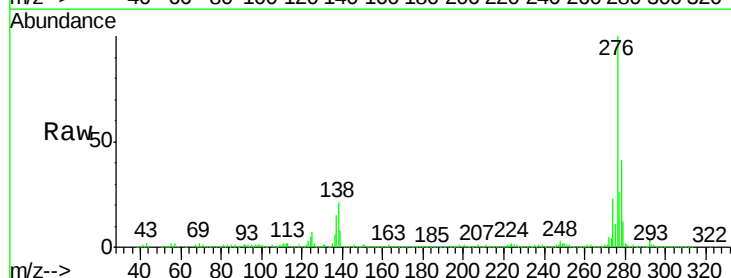
Tgt Ion:278 Resp: 259295

Ion Ratio Lower Upper

278 100

139 19.9 13.6 20.4

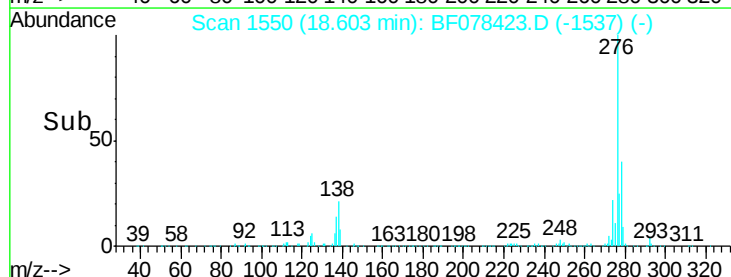
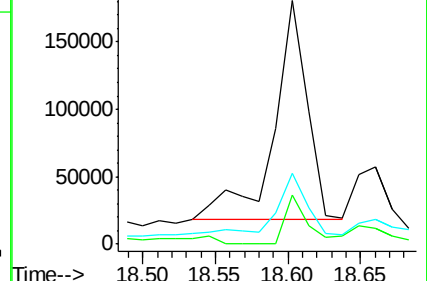
279 29.1 19.0 28.6#

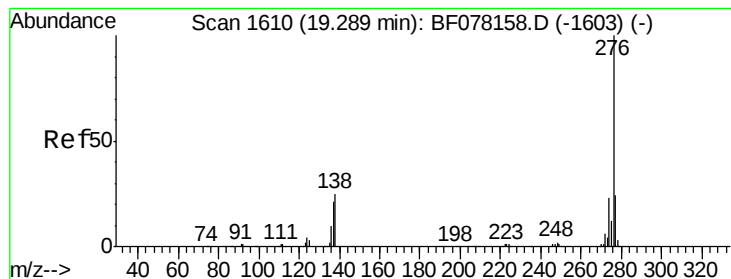


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 105.87 ng

RT: 18.96 min Scan# 1581

Delta R.T. 0.08 min

Lab File: BF078423.D

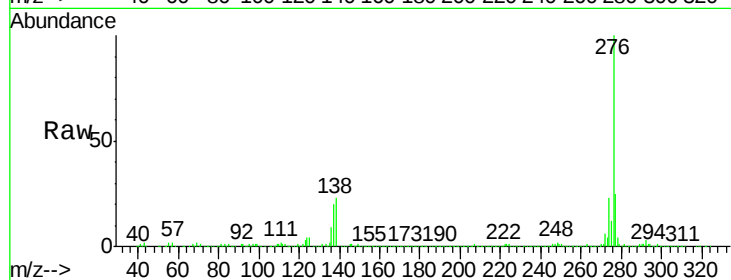
Acq: 11 Apr 2015 5:05

Instrument :

BNA_F

ClientSampleId :

SP-4



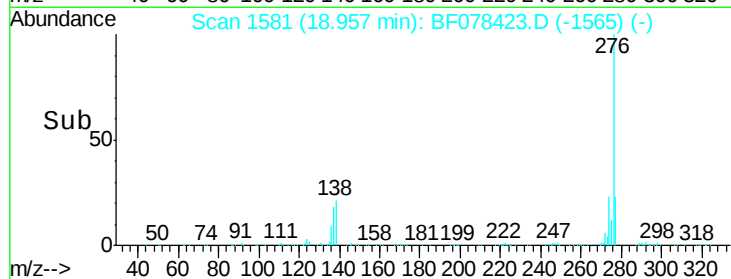
Tgt Ion: 276 Resp: 930517

Ion Ratio Lower Upper

276 100

277 25.0 19.0 28.4

138 23.2 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

