

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
 Data File : BF078424.D
 Acq On : 11 Apr 2015 5:33
 Operator : TP/IZ
 Sample : G1823-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

Quant Time: Apr 11 05:18:13 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	37514	20.00	ng	0.00
21) Naphthalene-d8	8.43	136	157756	20.00	ng	-0.01
38) Acenaphthene-d10	10.59	164	84047	20.00	ng	0.00
63) Phenanthrene-d10	12.42	188	166599	20.00	ng	0.00
75) Chrysene-d12	15.70	240	156995	20.00	ng	0.02
86) Perylene-d12	17.35	264	173735	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	225687	99.19	ng	0.01
7) Phenol-d6	6.46	99	298731	104.77	ng	0.01
23) Nitrobenzene-d5	7.56	82	188635	72.48	ng	0.00
41) 2,4,6-Tribromophenol	11.57	330	80840	115.97	ng	0.01
44) 2-Fluorobiphenyl	9.78	172	396384	67.41	ng	0.00
78) Terphenyl-d14	14.42	244	475634	68.46	ng	0.01

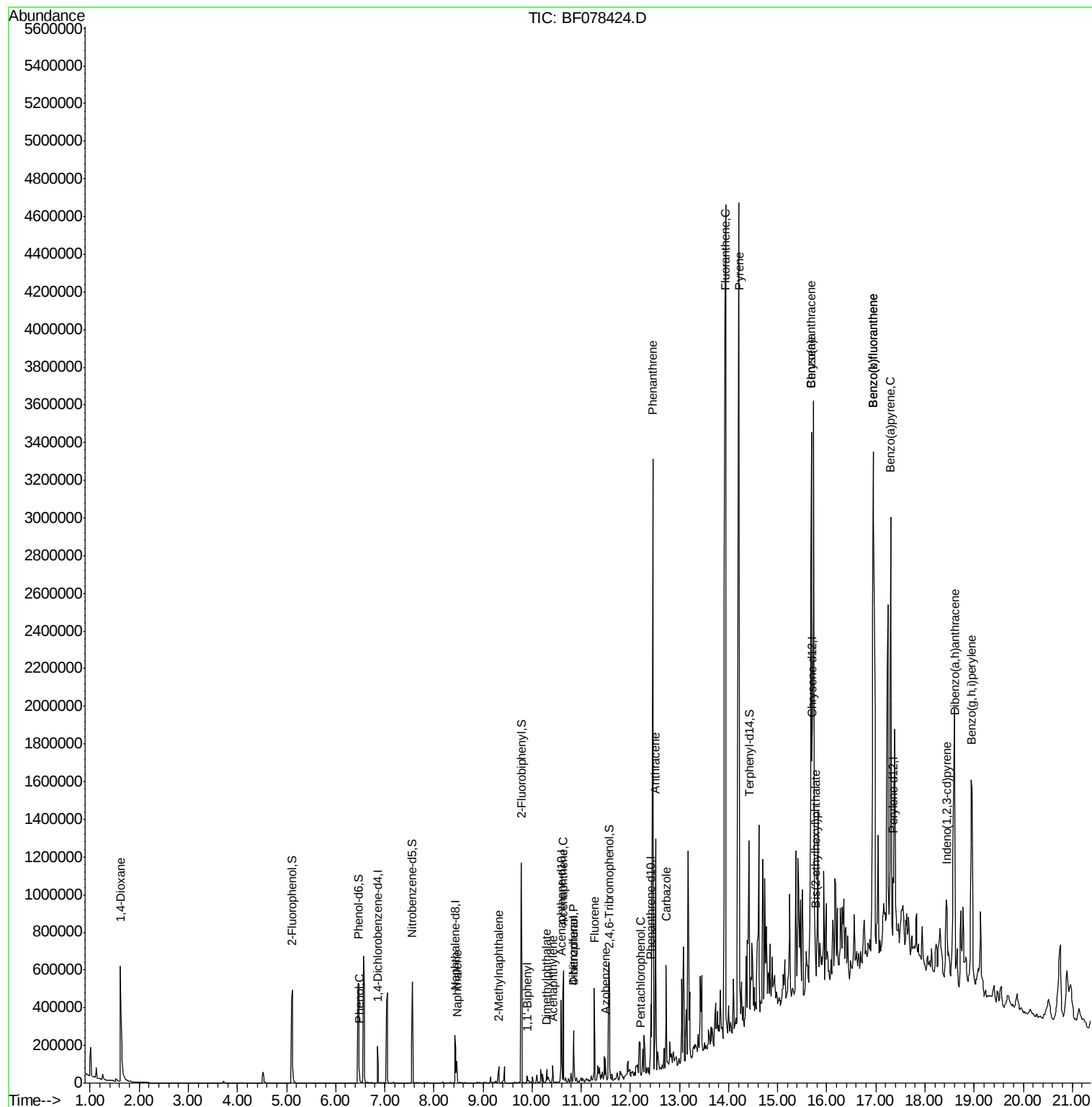
Target Compounds						Qvalue
2) 1,4-Dioxane	1.62	88	24581	23.89	ng	# 23
10) Phenol	6.48	94	8979	2.63	ng	83
31) Naphthalene	8.46	128	59539	7.25	ng	99
37) 2-Methylnaphthalene	9.32	142	30843	5.53	ng	99
45) 1,1'-Biphenyl	9.89	154	15165	2.21	ng	96
48) Acenaphthylene	10.42	152	38478	4.41	ng	97
49) Dimethylphthalate	10.29	163	27994	4.43	ng	97
51) Acenaphthene	10.64	154	180569	36.72	ng	99
54) Dibenzofuran	10.84	168	131646	17.53	ng	99
55) 4-Nitrophenol	10.84	139	48286	45.62	ng	# 21
57) Fluorene	11.27	166	150449	24.71	ng	99
62) Azobenzene	11.49	77	20641	3.71	ng	# 1
69) Pentachlorophenol	12.20	266	313	8.09	ng	# 19
70) Phenanthrene	12.45	178	1783230	185.04	ng	96
71) Anthracene	12.51	178	563220	59.31	ng	99
72) Carbazole	12.73	167	245475	27.58	ng	99
74) Fluoranthene	13.94	202	3341168	328.76	ng	94
77) Pyrene	14.21	202	2857620	289.95	ng	93
80) Benzo(a)anthracene	15.69	228	2055243	220.03	ng	96
82) Chrysene	15.69	228	1925851	219.44	ng	97
83) Bis(2-ethylhexyl)phthalate	15.77	149	43604	7.40	ng	97
85) Indeno(1,2,3-cd)pyrene	18.44	276	249590	25.06	ng	97
87) Benzo(b)fluoranthene	16.95	252	2957081	275.40	ng	# 93
88) Benzo(k)fluoranthene	16.95	252	2964965	310.73	ng	96
89) Benzo(a)pyrene	17.30	252	1557690	166.23	ng	# 90
90) Dibenzo(a,h)anthracene	18.60	278	299005	31.87	ng	94
91) Benzo(g,h,i)perylene	18.96	276	978312	104.00	ng	96

(#) = 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: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampleId :

SP-3

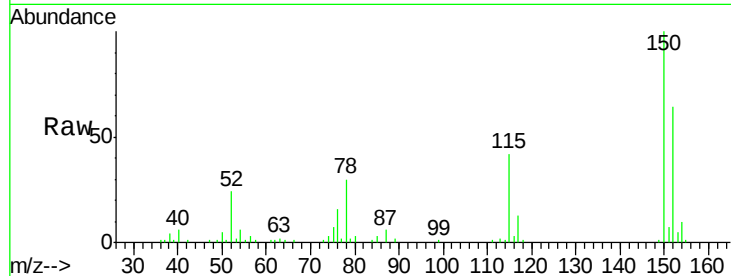
Tgt Ion:152 Resp: 37514

Ion Ratio Lower Upper

152 100

150 157.3 125.9 188.9

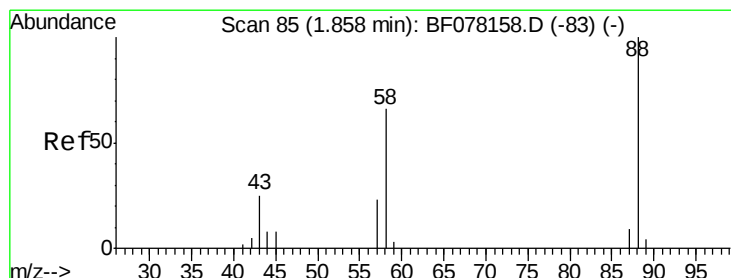
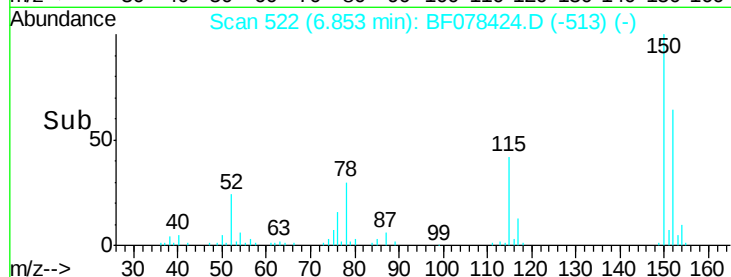
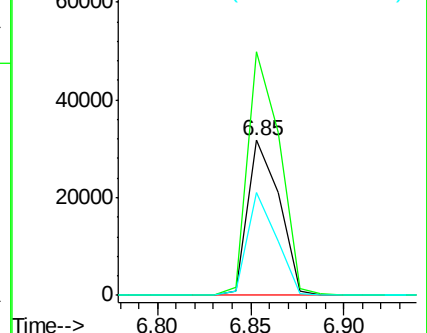
115 66.2 52.7 79.1



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: 23.89 ng

RT: 1.62 min Scan# 64

Delta R.T. 0.00 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

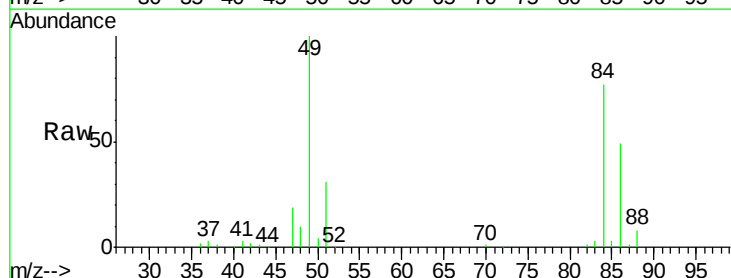
Tgt Ion: 88 Resp: 24581

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

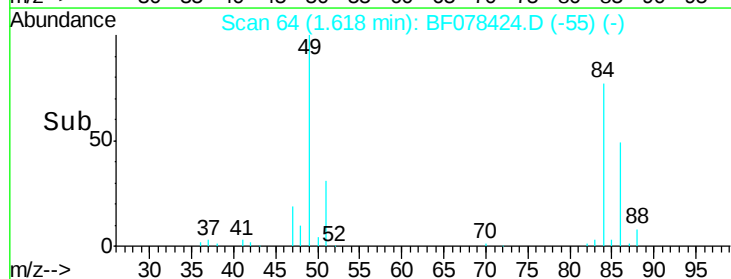
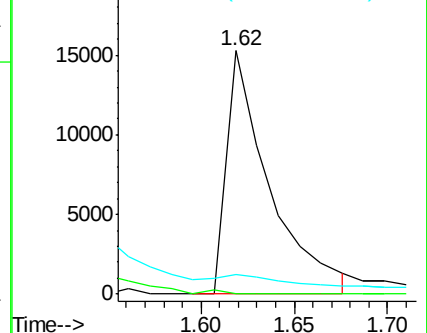
43 0.0 21.4 32.2#

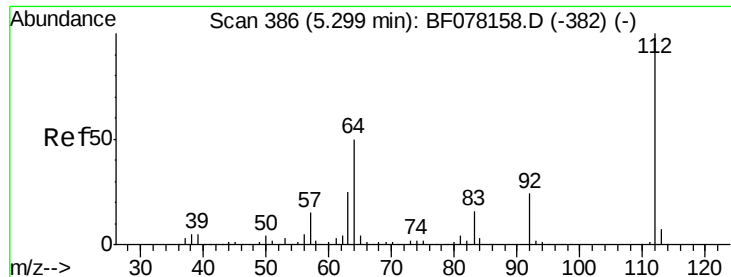


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 99.19 ng

RT: 5.12 min Scan# 370

Delta R.T. 0.01 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampleId :

SP-3

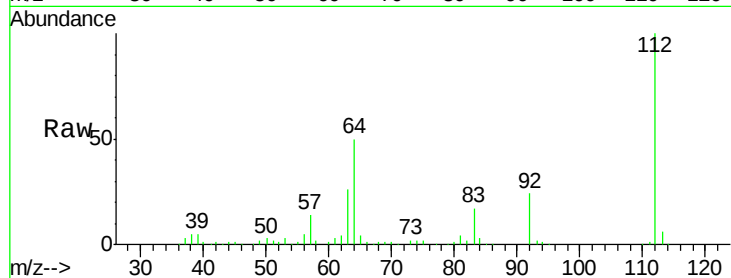
Tgt Ion: 112 Resp: 225687

Ion Ratio Lower Upper

112 100

64 50.2 39.9 59.9

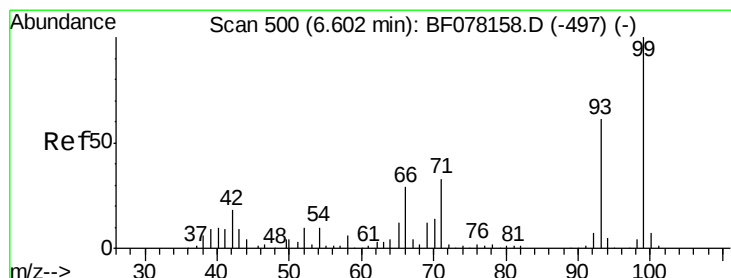
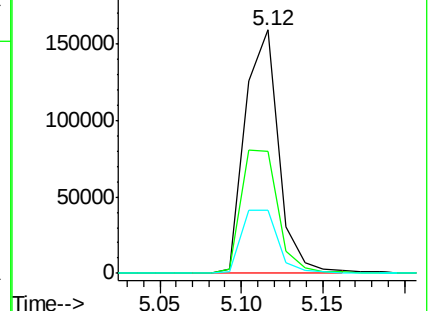
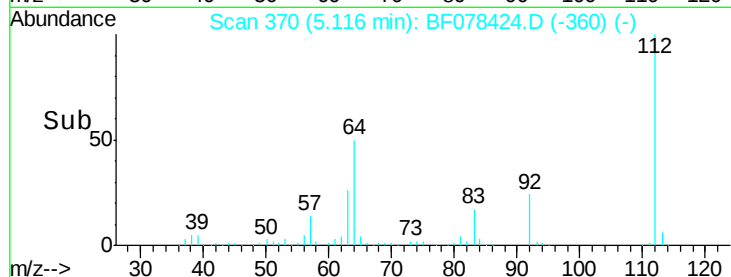
63 25.9 20.2 30.4



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: 104.77 ng

RT: 6.46 min Scan# 488

Delta R.T. 0.01 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

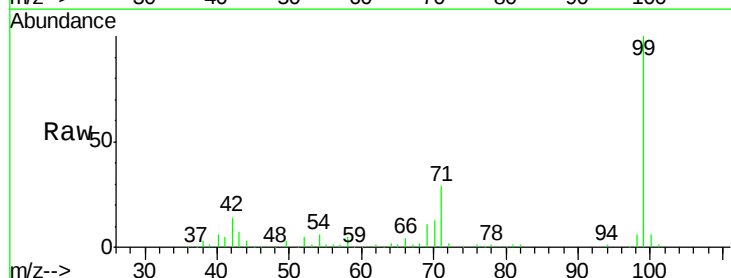
Tgt Ion: 99 Resp: 298731

Ion Ratio Lower Upper

99 100

42 14.0 14.8 22.2#

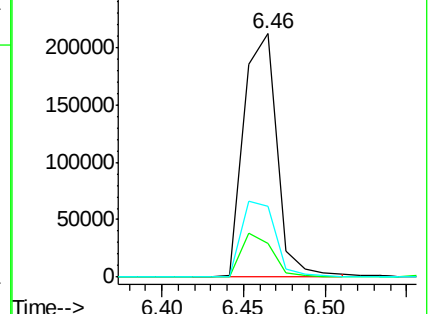
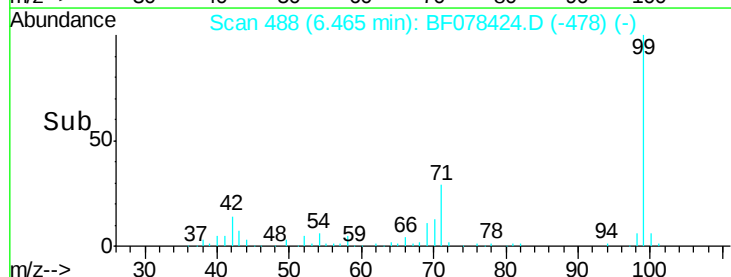
71 29.0 26.6 39.8

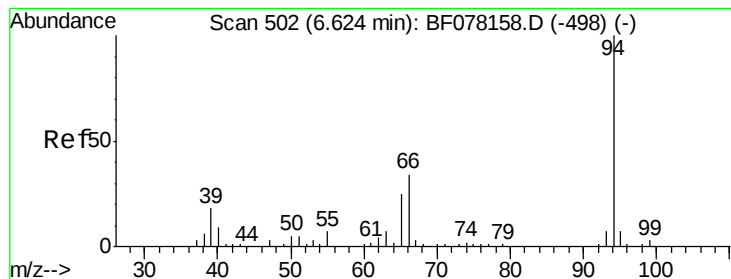


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 2.63 ng

RT: 6.48 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampleId :

SP-3

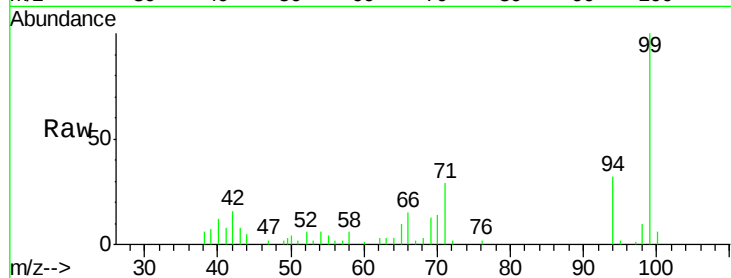
Tgt Ion: 94 Resp: 8979

Ion Ratio Lower Upper

94 100

65 30.2 4.9 44.9

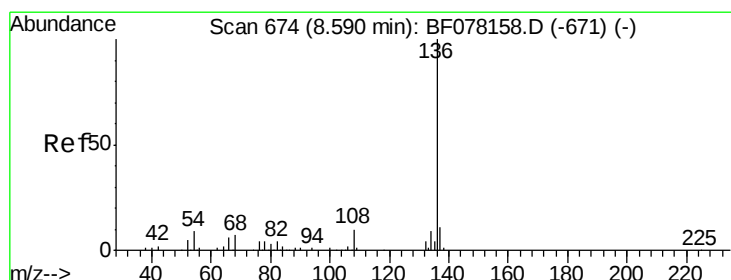
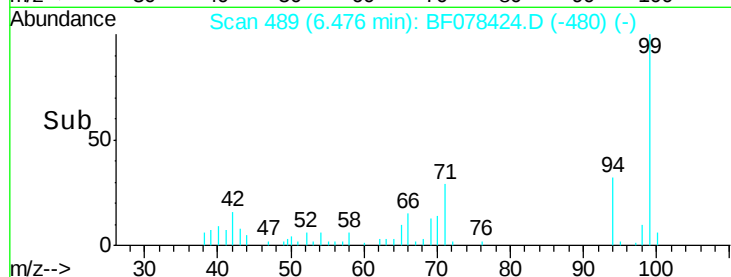
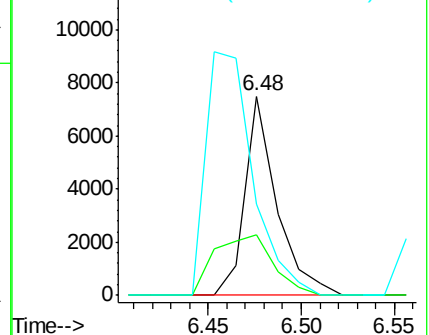
66 46.0 13.8 53.8



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: BF078424.D

Acq: 11 Apr 2015 5:33

Tgt Ion: 136 Resp: 157756

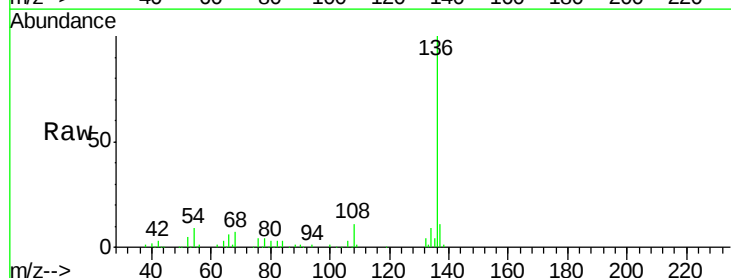
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 8.8 7.0 10.6

68 7.2 5.4 8.2

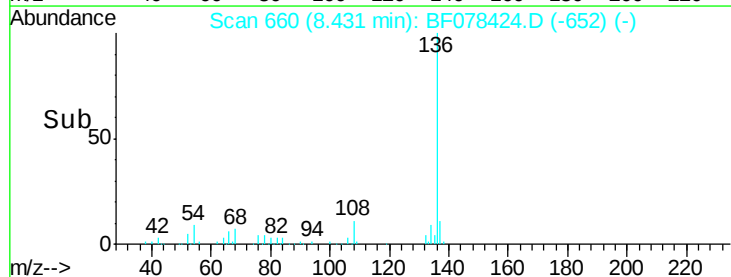
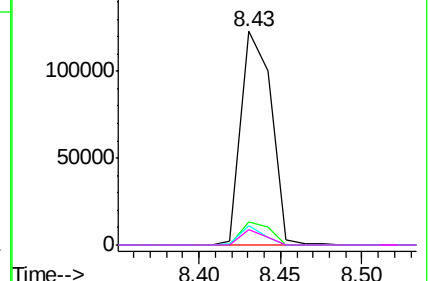


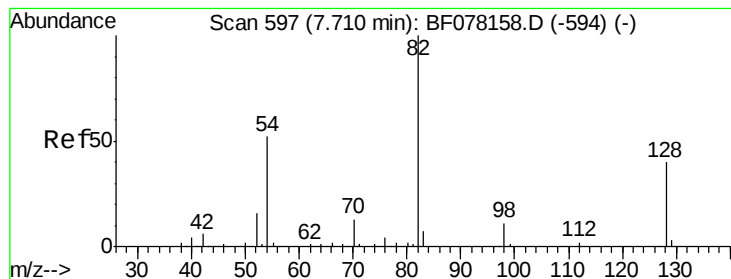
Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.48 ng

RT: 7.56 min Scan# 584

Delta R.T. 0.00 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampled :

SP-3

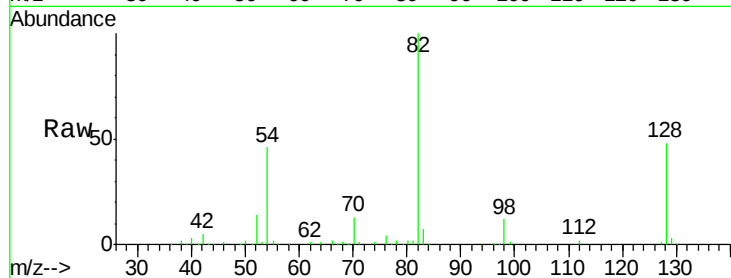
Tgt Ion: 82 Resp: 188635

Ion Ratio Lower Upper

82 100

128 48.3 31.8 47.8#

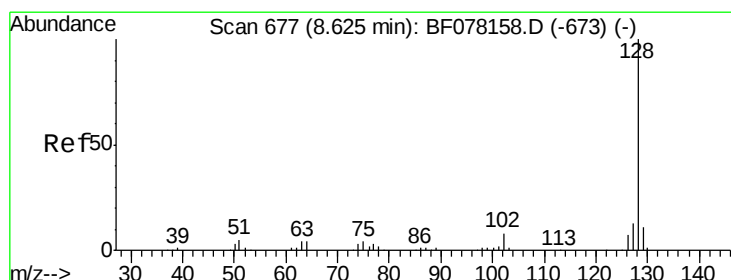
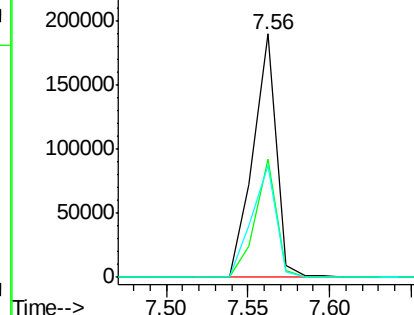
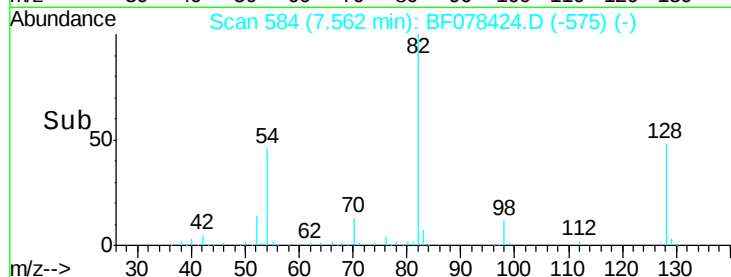
54 45.7 41.5 62.3



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: 7.25 ng

RT: 8.46 min Scan# 663

Delta R.T. 0.00 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

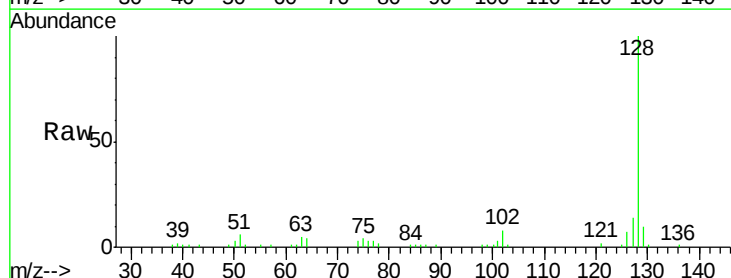
Tgt Ion: 128 Resp: 59539

Ion Ratio Lower Upper

128 100

129 10.3 8.6 12.8

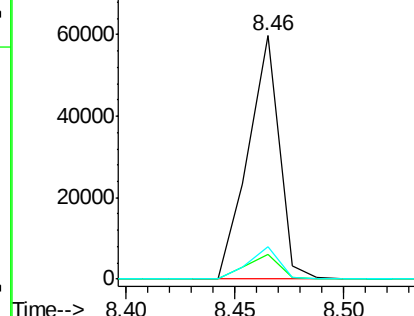
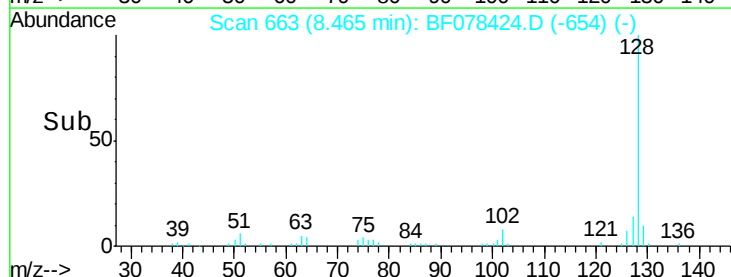
127 13.5 10.7 16.1

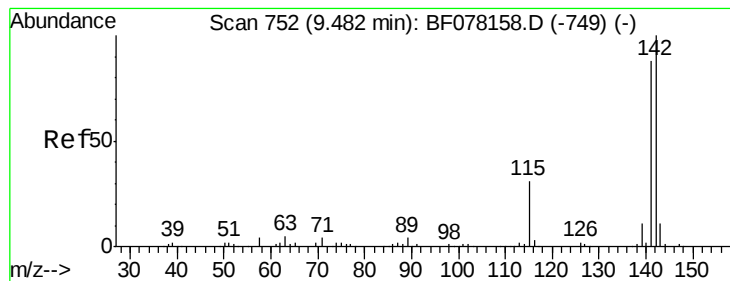


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 5.53 ng

RT: 9.32 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampleId :

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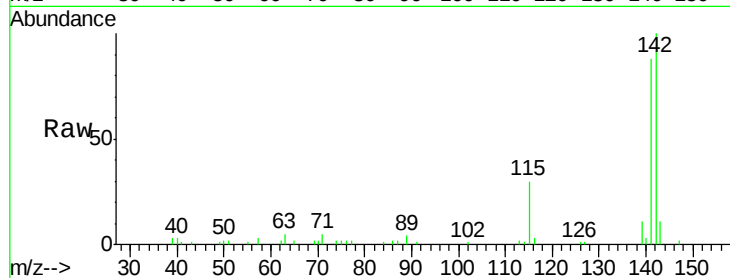
Tgt Ion:142 Resp: 30843

Ion Ratio Lower Upper

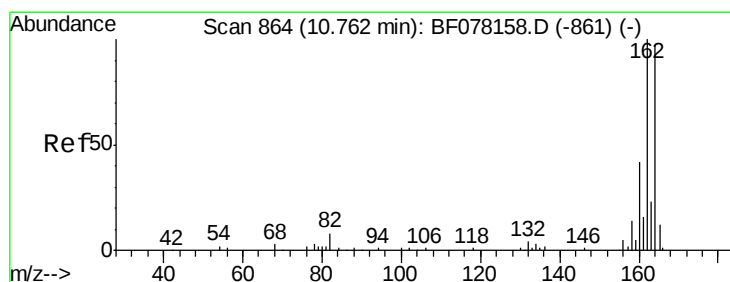
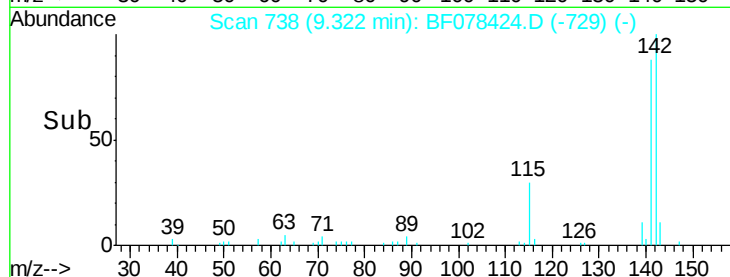
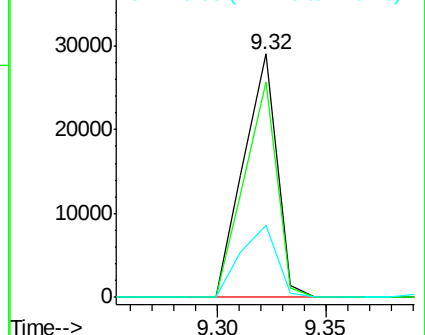
142 100

141 88.3 70.3 105.5

115 29.7 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: BF078424.D

Acq: 11 Apr 2015 5:33

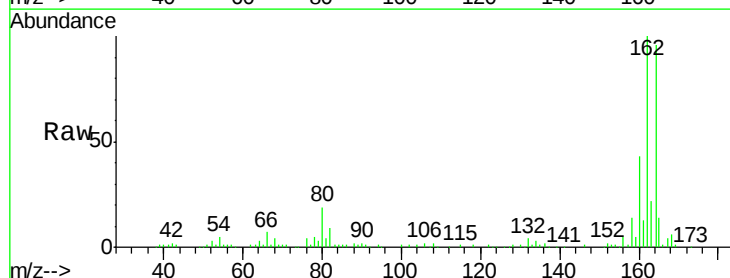
Tgt Ion:164 Resp: 84047

Ion Ratio Lower Upper

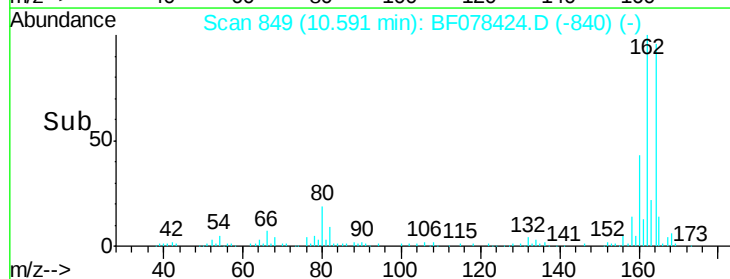
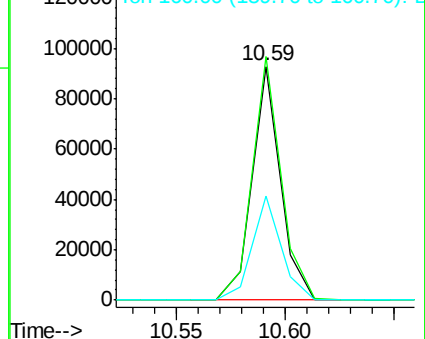
164 100

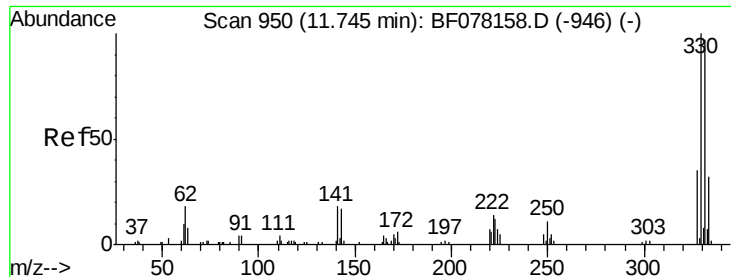
162 104.3 82.2 123.2

160 44.8 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

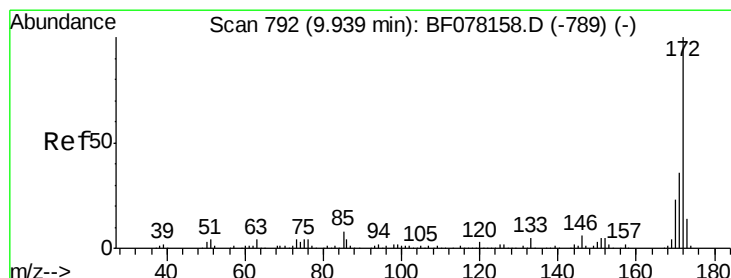
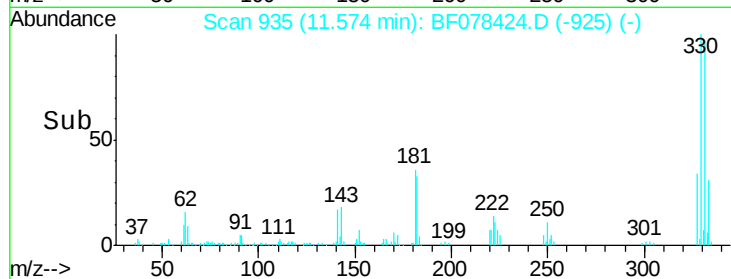
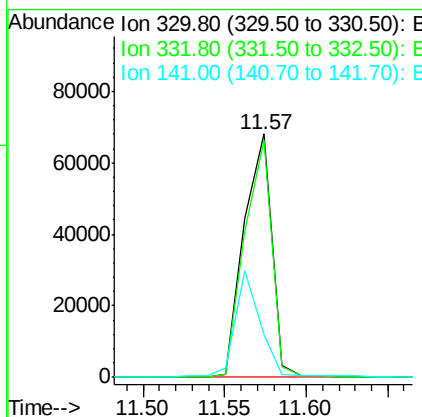
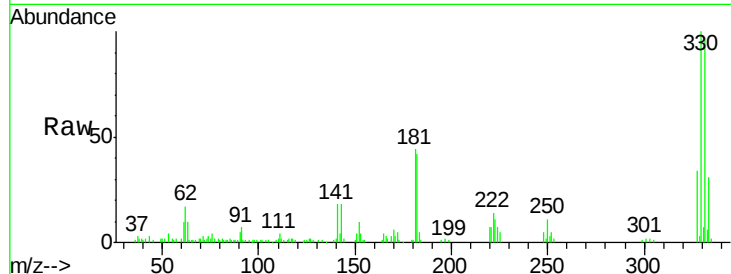




#41
 2,4,6-Tribromophenol
 Concen: 115.97 ng
 RT: 11.57 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: BF078424.D
 Acq: 11 Apr 2015 5:33

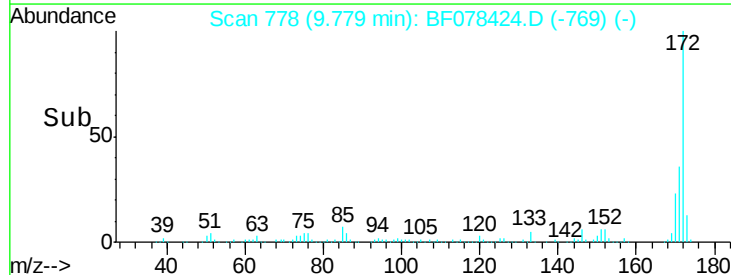
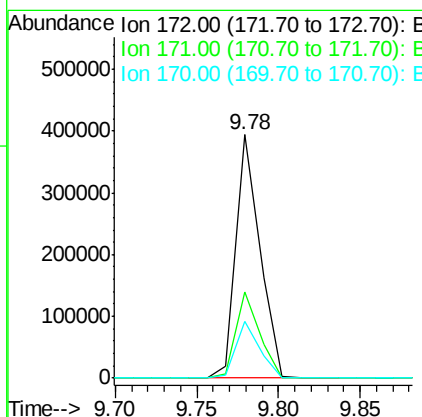
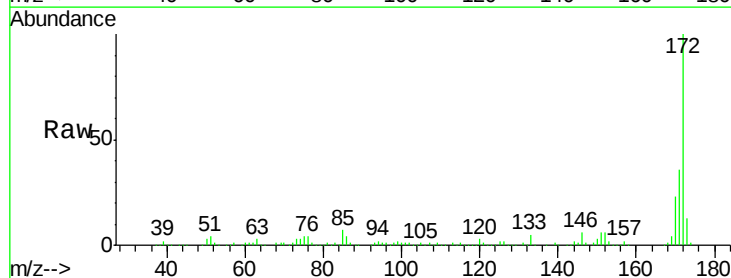
Instrument :
 BNA_F
 ClientSampleId :
 SP-3

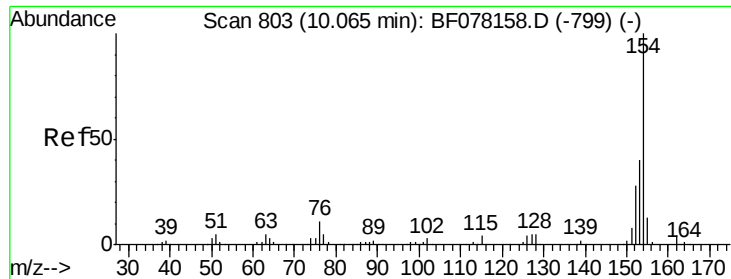
Tgt Ion:330 Resp: 80840
 Ion Ratio Lower Upper
 330 100
 332 95.1 78.6 117.8
 141 39.9 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 67.41 ng
 RT: 9.78 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: BF078424.D
 Acq: 11 Apr 2015 5:33

Tgt Ion:172 Resp: 396384
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 23.2 18.5 27.7

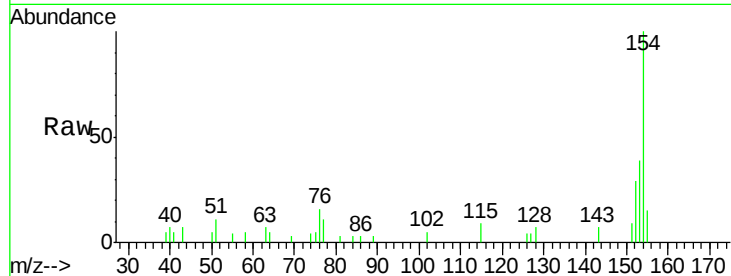




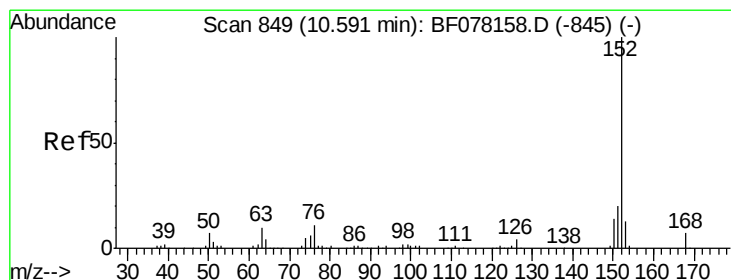
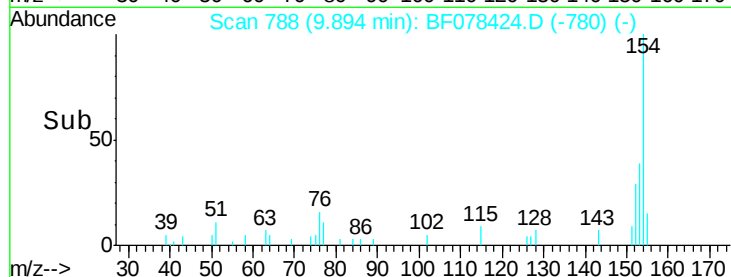
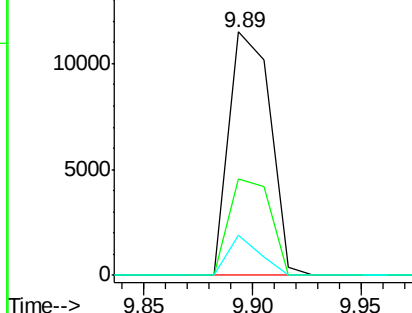
#45
 1,1'-Biphenyl
 Concen: 2.21 ng
 RT: 9.89 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF078424.D
 Acq: 11 Apr 2015 5:33

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

Tgt Ion:154 Resp: 15165
 Ion Ratio Lower Upper
 154 100
 153 39.3 20.0 60.0
 76 16.3 0.0 30.6

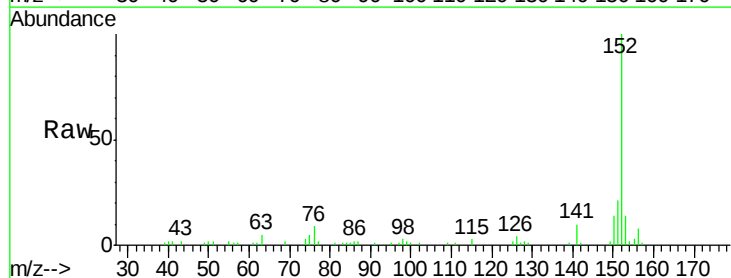


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

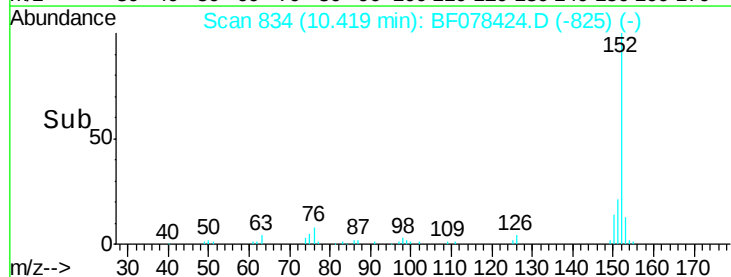
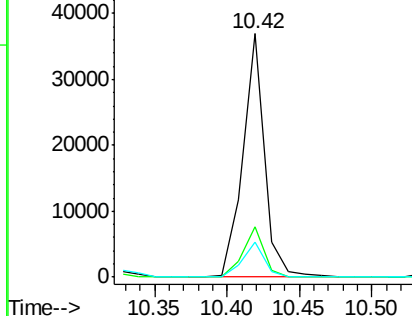


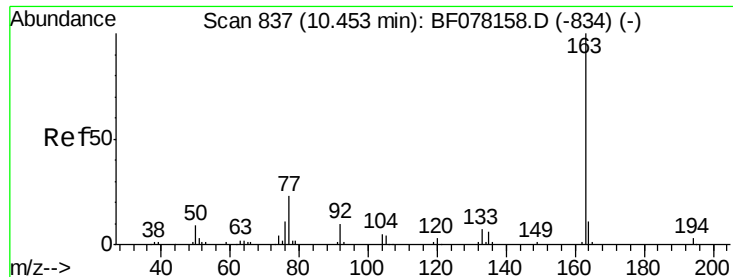
#48
 Acenaphthylene
 Concen: 4.41 ng
 RT: 10.42 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: BF078424.D
 Acq: 11 Apr 2015 5:33

Tgt Ion:152 Resp: 38478
 Ion Ratio Lower Upper
 152 100
 151 20.6 15.7 23.5
 153 14.2 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





#49

Dimethylphthalate

Concen: 4.43 ng

RT: 10.29 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampleId :

SP-3

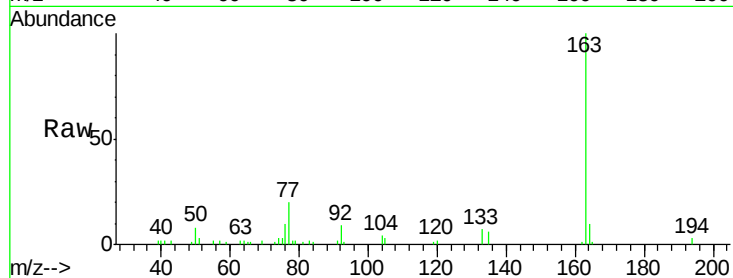
Tgt Ion:163 Resp: 27994

Ion Ratio Lower Upper

163 100

194 3.1 2.3 3.5

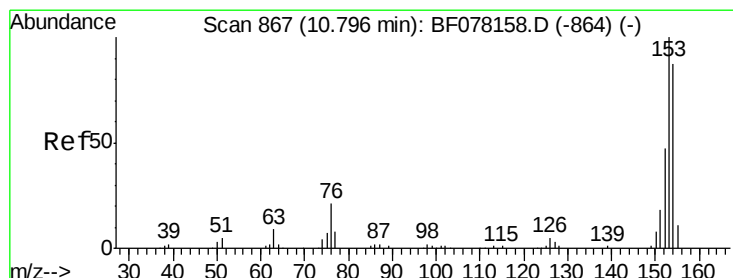
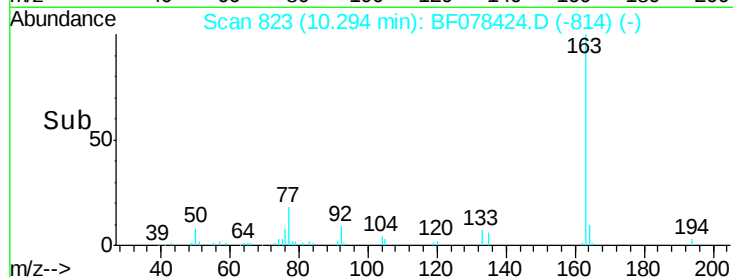
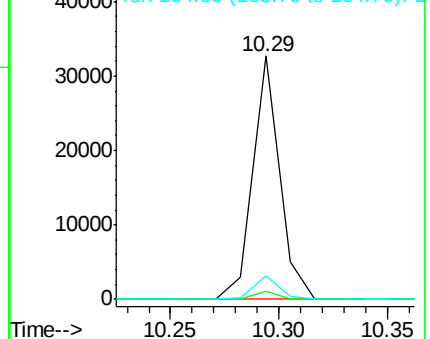
164 9.6 8.6 13.0



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



#51

Acenaphthene

Concen: 36.72 ng

RT: 10.64 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

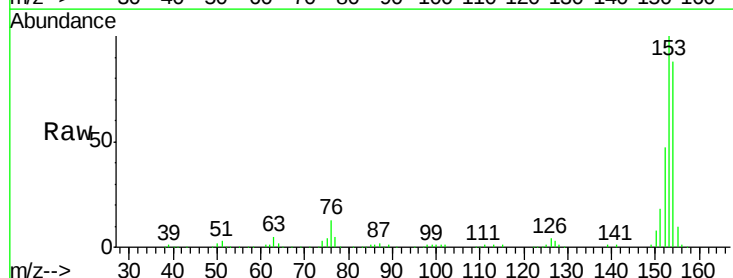
Tgt Ion:154 Resp: 180569

Ion Ratio Lower Upper

154 100

153 113.6 91.4 137.2

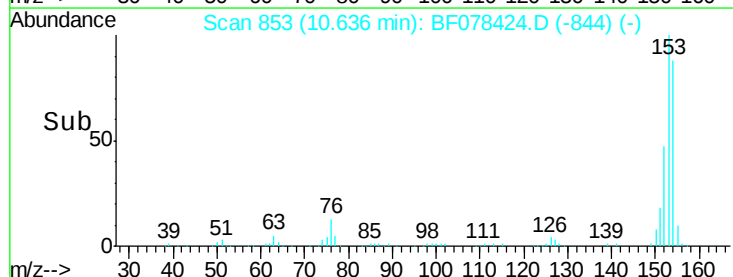
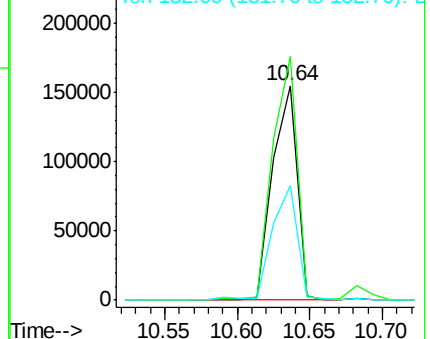
152 53.4 43.0 64.6

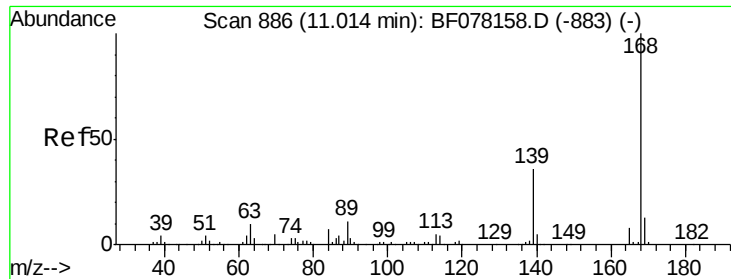


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

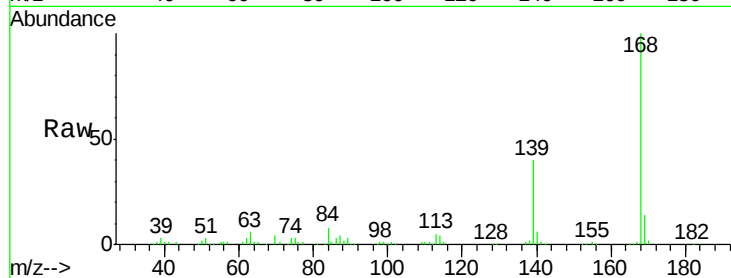




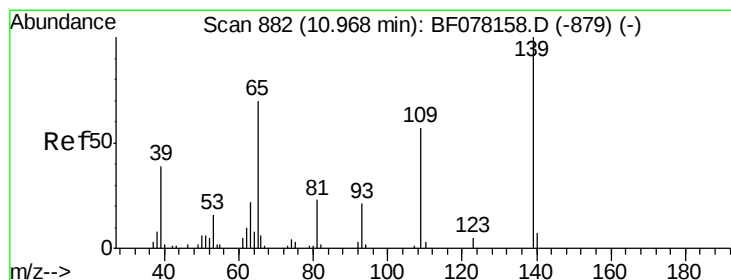
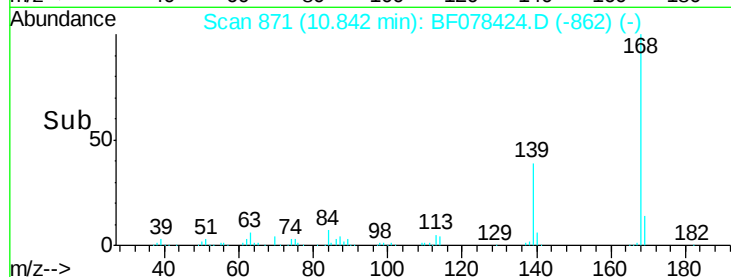
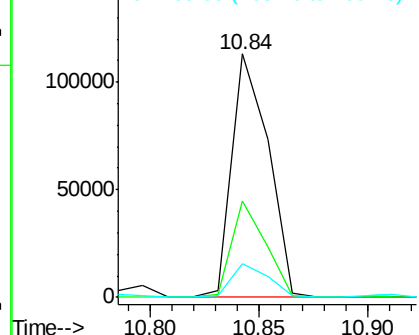
#54
Dibenzenofuran
Concen: 17.53 ng
RT: 10.84 min Scan# 871
Delta R.T. 0.00 min
Lab File: BF078424.D
Acq: 11 Apr 2015 5:33

Instrument :
BNA_F
ClientSampled :
SP-3

Tgt Ion:168 Resp: 131646
Ion Ratio Lower Upper
168 100
139 39.7 31.0 46.4
169 13.8 10.7 16.1

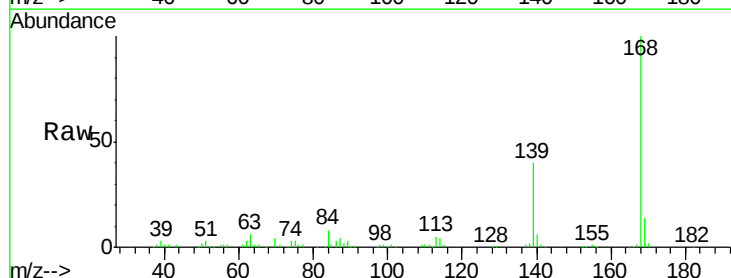


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

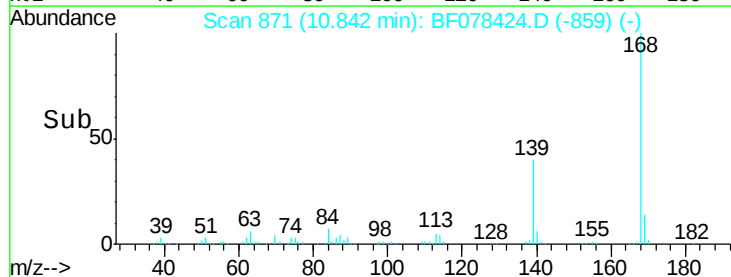
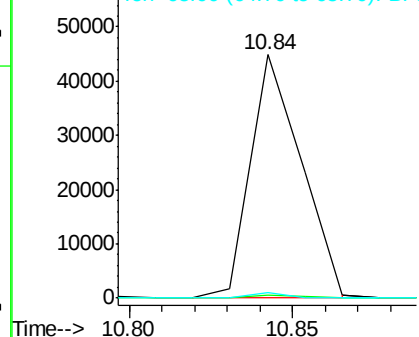


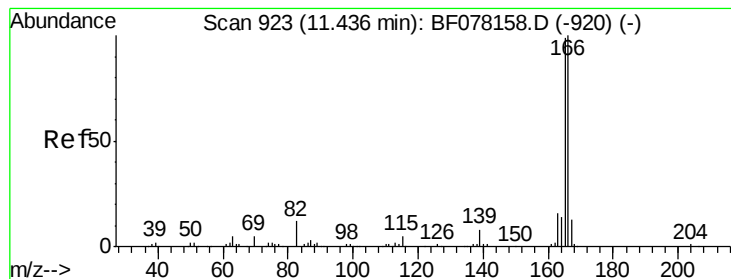
#55
4-Nitrophenol
Concen: 45.62 ng
RT: 10.84 min Scan# 871
Delta R.T. 0.03 min
Lab File: BF078424.D
Acq: 11 Apr 2015 5:33

Tgt Ion:139 Resp: 48286
Ion Ratio Lower Upper
139 100
109 1.4 36.7 76.7#
65 2.0 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: 24.71 ng

RT: 11.27 min Scan# 908

Delta R.T. 0.00 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampleId :

SP-3

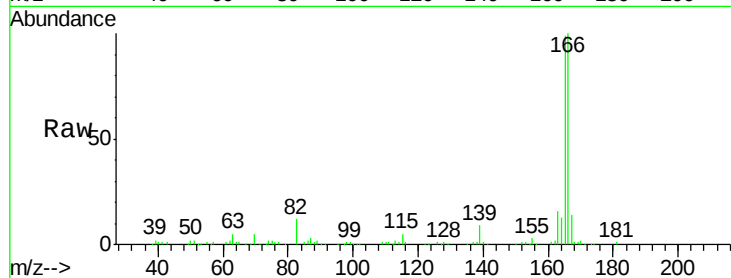
Tgt Ion: 166 Resp: 150449

Ion Ratio Lower Upper

166 100

165 99.5 78.9 118.3

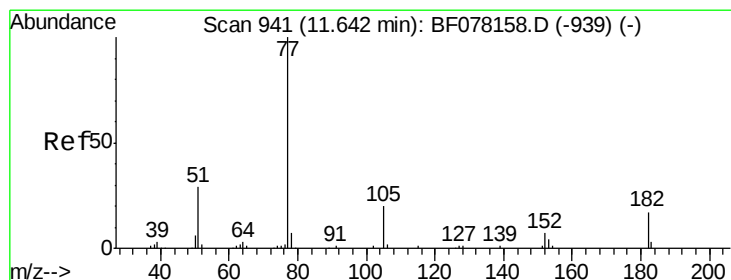
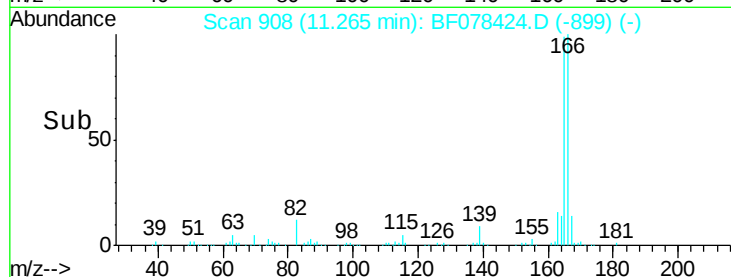
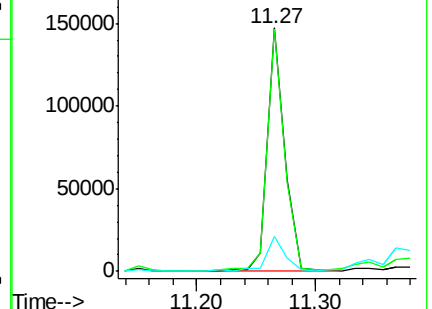
167 14.3 10.7 16.1



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: 3.71 ng

RT: 11.49 min Scan# 928

Delta R.T. 0.01 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Tgt Ion: 77 Resp: 20641

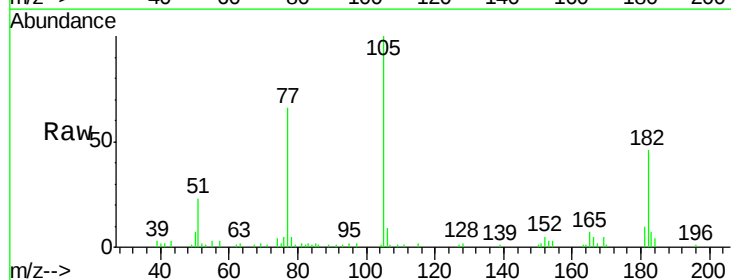
Ion Ratio Lower Upper

77 100

182 69.7 0.0 36.8#

105 152.0 0.3 40.3#

51 35.7 9.1 49.1

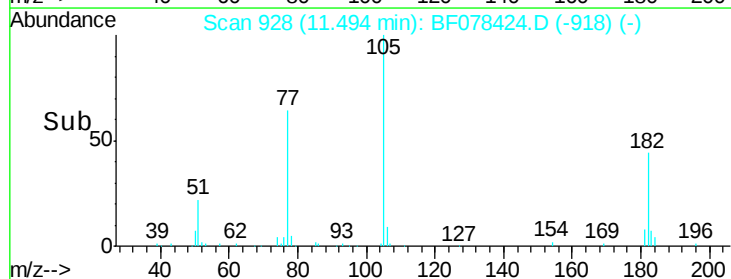
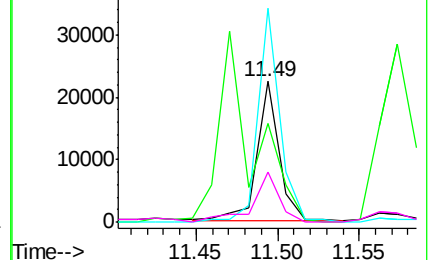


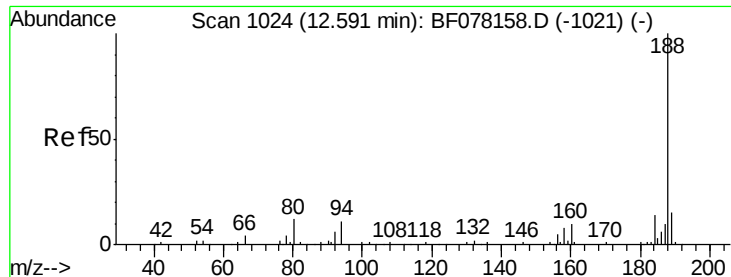
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

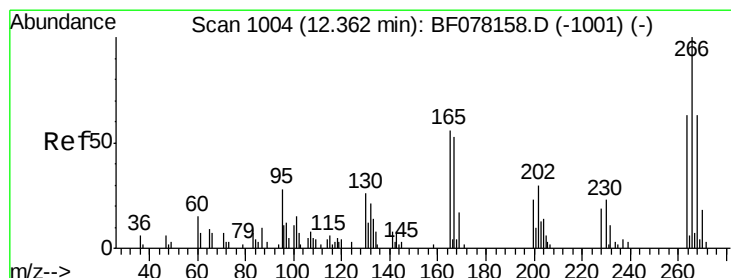
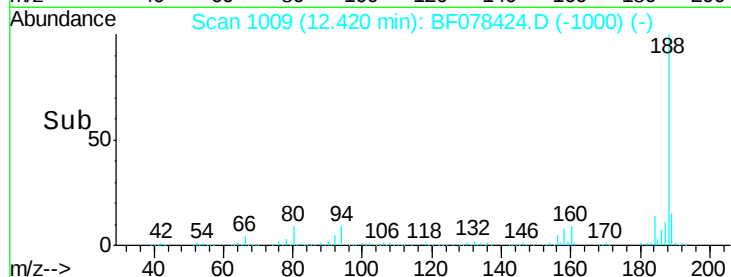
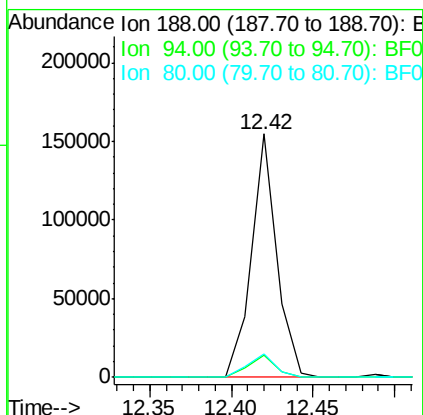
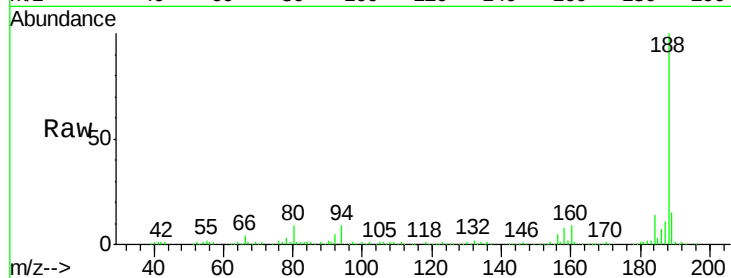




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.42 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BF078424.D
 Acq: 11 Apr 2015 5:33

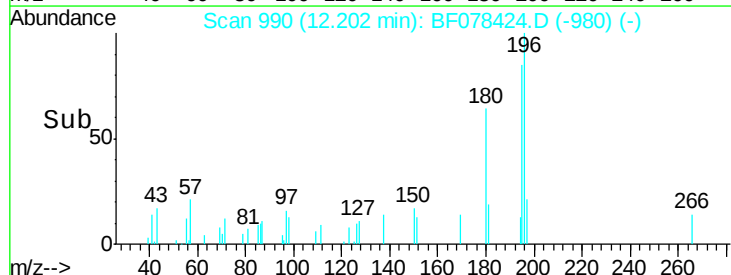
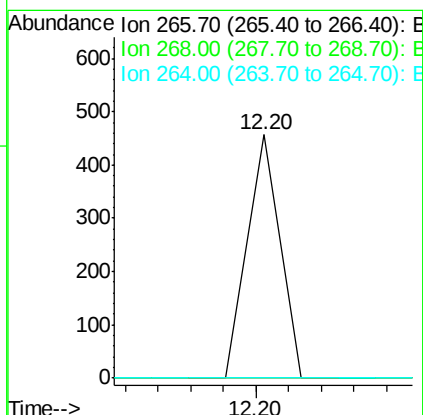
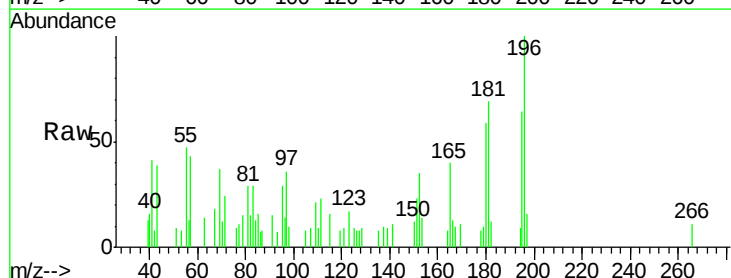
Instrument :
 BNA_F
 ClientSampleId :
 SP-3

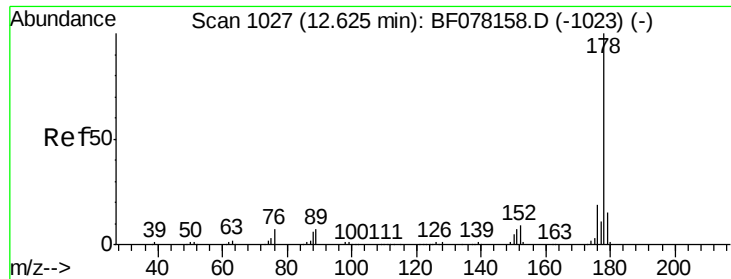
Tgt Ion:188 Resp: 166599
 Ion Ratio Lower Upper
 188 100
 94 9.3 9.0 13.4
 80 9.4 9.5 14.3#



#69
 Pentachlorophenol
 Concen: 8.09 ng
 RT: 12.20 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: BF078424.D
 Acq: 11 Apr 2015 5:33

Tgt Ion:266 Resp: 313
 Ion Ratio Lower Upper
 266 100
 268 0.0 50.1 75.1#
 264 0.0 50.0 75.0#

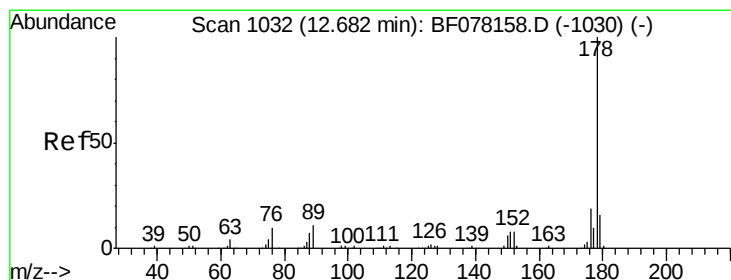
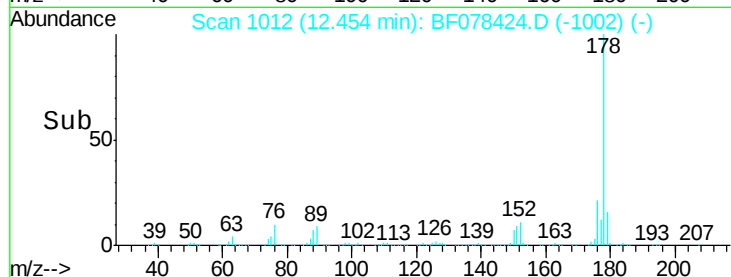
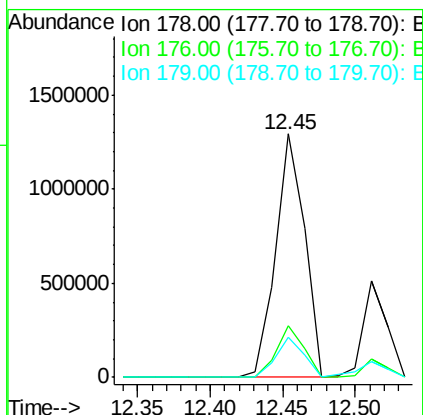
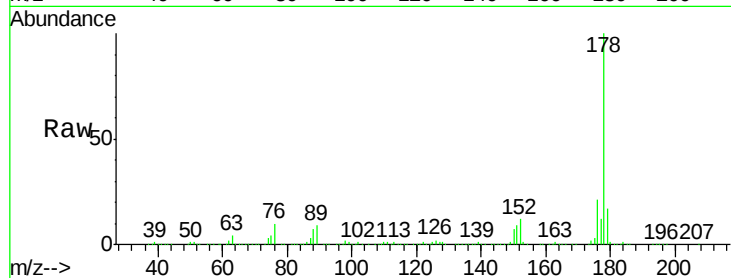




#70
Phenanthrene
Concen: 185.04 ng
RT: 12.45 min Scan# 1012
Delta R.T. 0.01 min
Lab File: BF078424.D
Acq: 11 Apr 2015 5:33

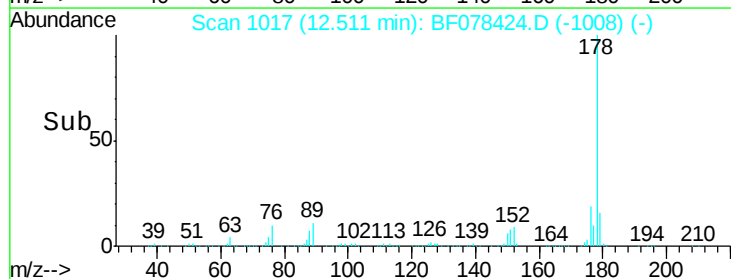
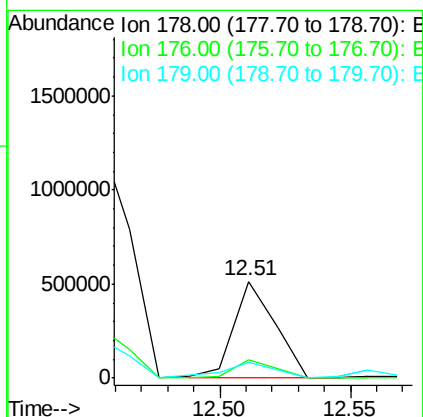
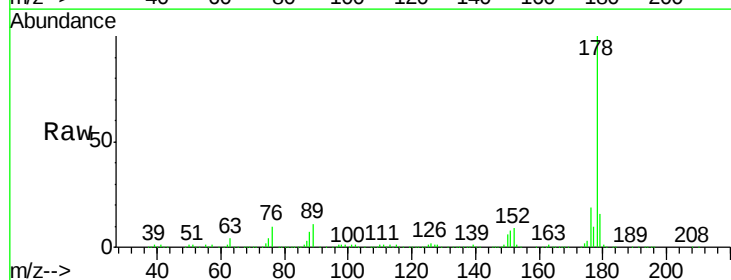
Instrument :
BNA_F
ClientSampleId :
SP-3

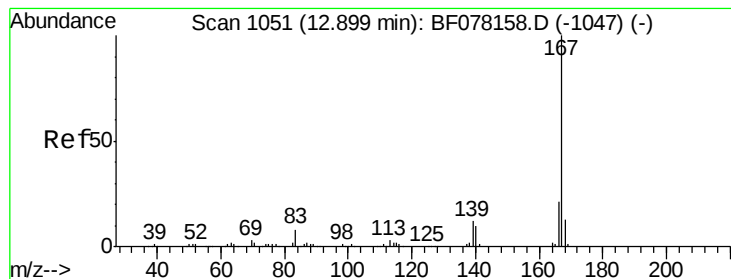
Tgt Ion:178 Resp: 1783230
Ion Ratio Lower Upper
178 100
176 21.0 15.4 23.0
179 16.5 12.2 18.2



#71
Anthracene
Concen: 59.31 ng
RT: 12.51 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF078424.D
Acq: 11 Apr 2015 5:33

Tgt Ion:178 Resp: 563220
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 16.3 12.4 18.6





#72

Carbazole

Concen: 27.58 ng

RT: 12.73 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampleId :

SP-3

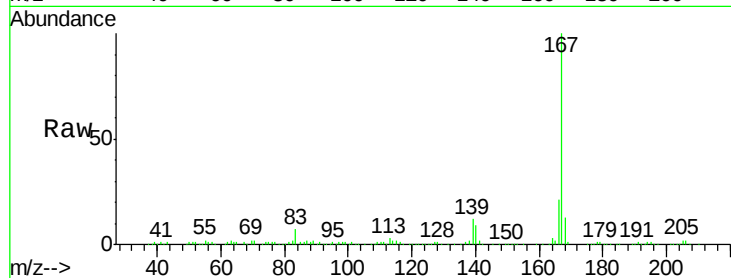
Tgt Ion:167 Resp: 245475

Ion Ratio Lower Upper

167 100

166 21.3 16.8 25.2

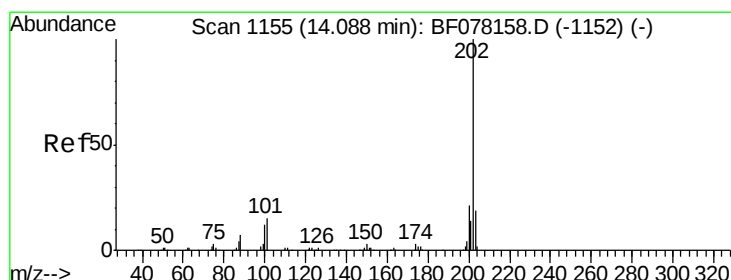
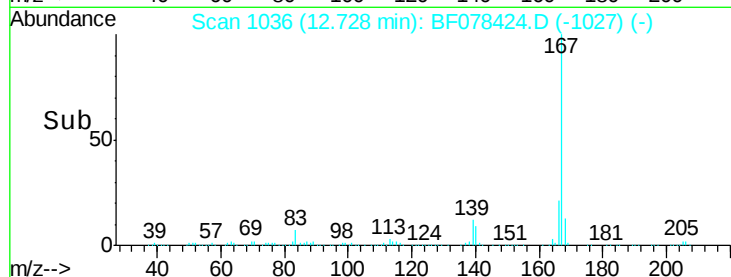
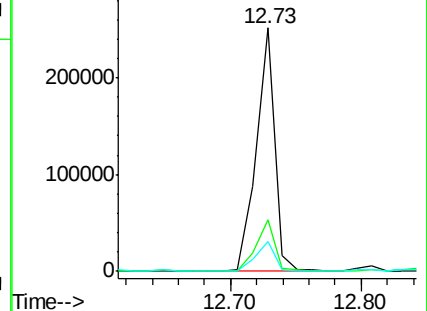
139 12.4 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 328.76 ng

RT: 13.94 min Scan# 1142

Delta R.T. 0.03 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

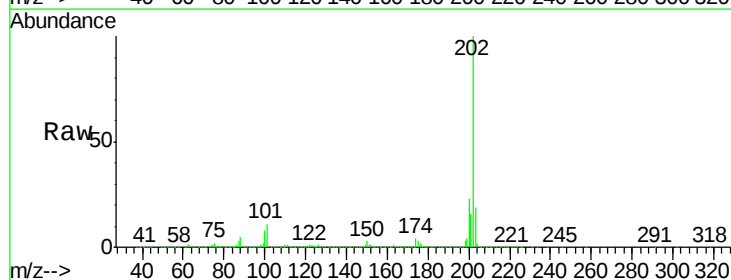
Tgt Ion:202 Resp: 3341168

Ion Ratio Lower Upper

202 100

101 10.8 0.0 35.2

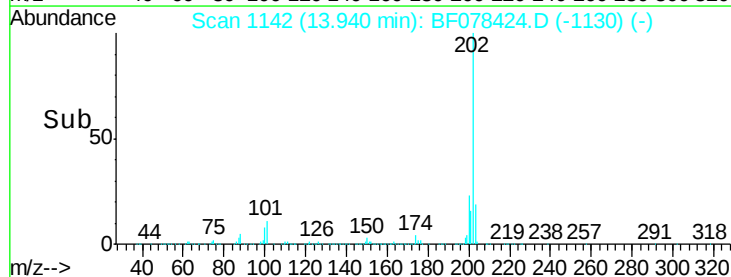
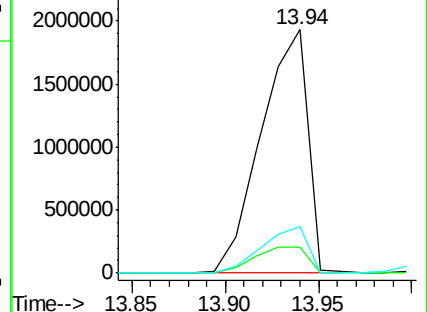
203 19.3 0.0 38.5

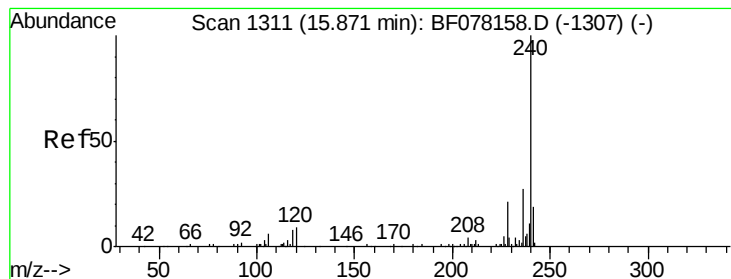


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.70 min Scan# 1296

Delta R.T. 0.02 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampleId :

SP-3

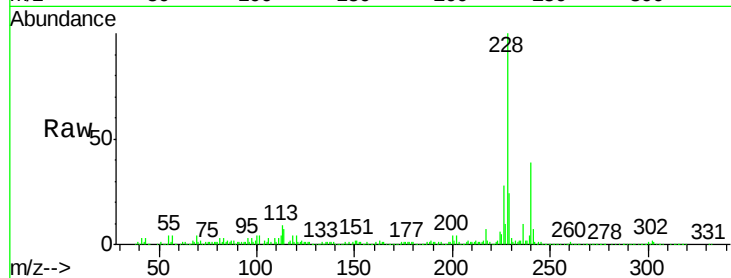
Tgt Ion:240 Resp: 156995

Ion Ratio Lower Upper

240 100

120 11.2 7.1 10.7#

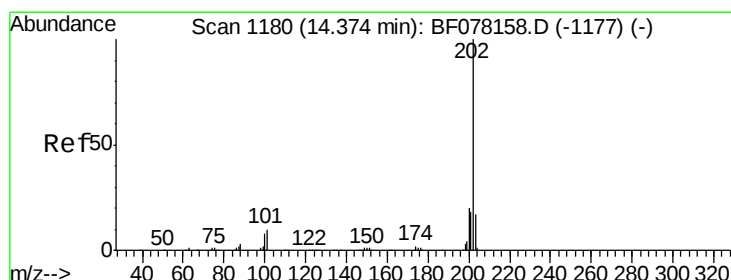
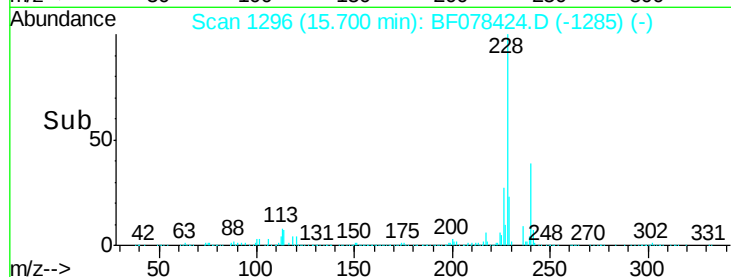
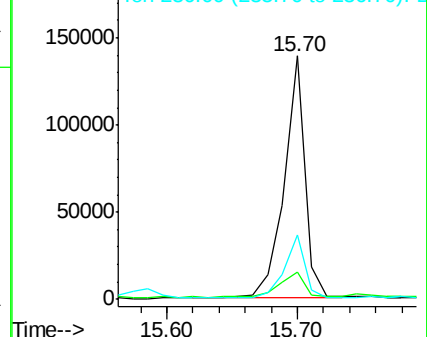
236 26.3 21.4 32.2



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: 289.95 ng

RT: 14.21 min Scan# 1166

Delta R.T. 0.03 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

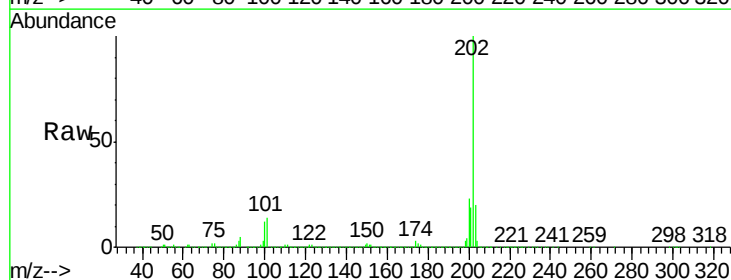
Tgt Ion:202 Resp: 2857620

Ion Ratio Lower Upper

202 100

200 23.5 16.3 24.5

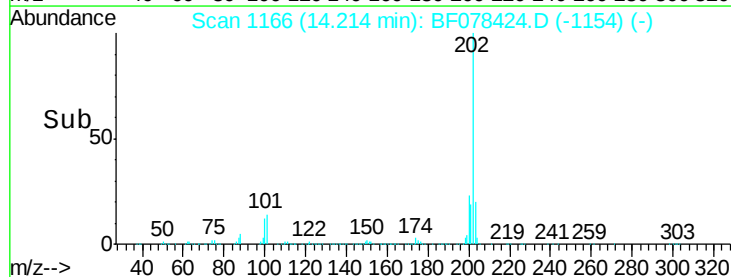
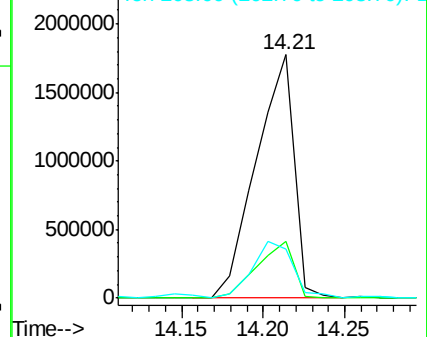
203 20.0 13.8 20.6

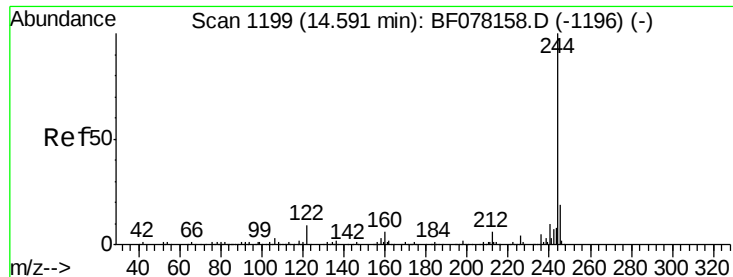


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.46 ng

RT: 14.42 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampled :

SP-3

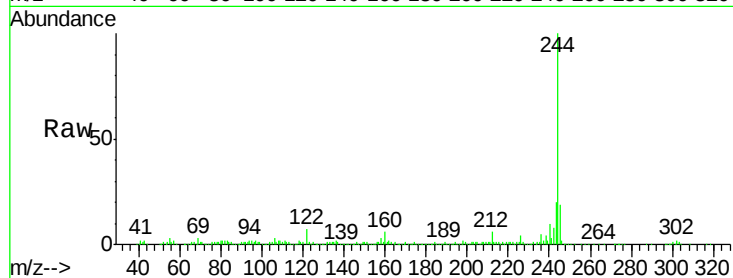
Tgt Ion:244 Resp: 475634

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 7.4 7.1 10.7

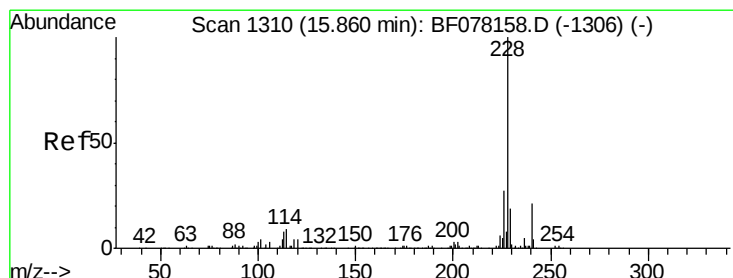
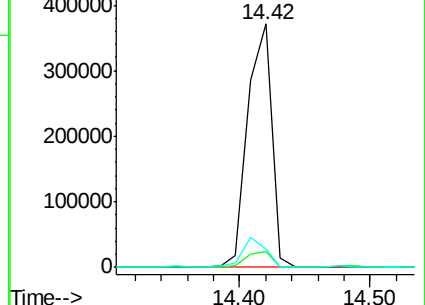
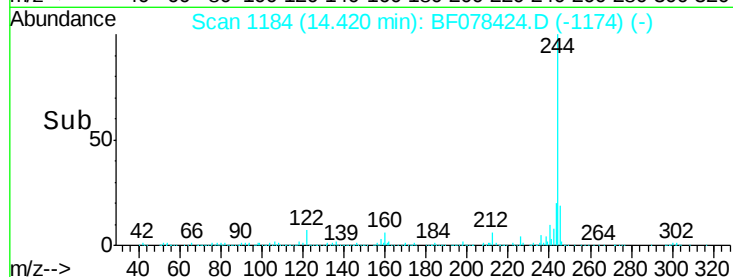


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

14.42



#80

Benzo(a)anthracene

Concen: 220.03 ng

RT: 15.69 min Scan# 1295

Delta R.T. 0.02 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

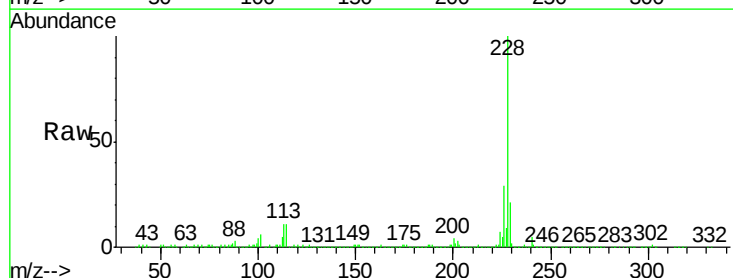
Tgt Ion:228 Resp: 2055243

Ion Ratio Lower Upper

228 100

226 28.9 21.3 31.9

229 21.4 15.4 23.2

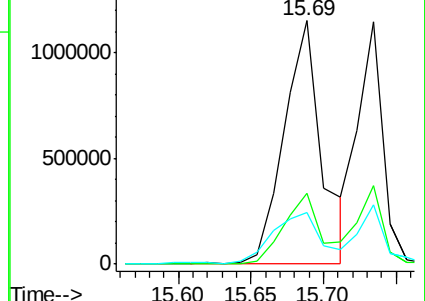
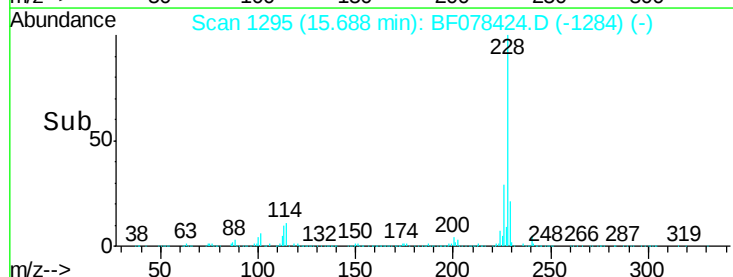


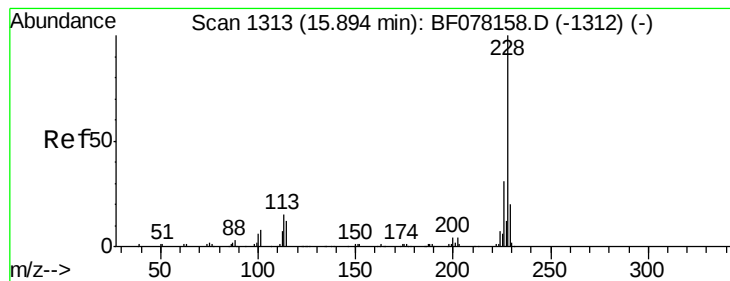
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

15.69





#82

Chrysene

Concen: 219.44 ng

RT: 15.69 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampleId :

SP-3

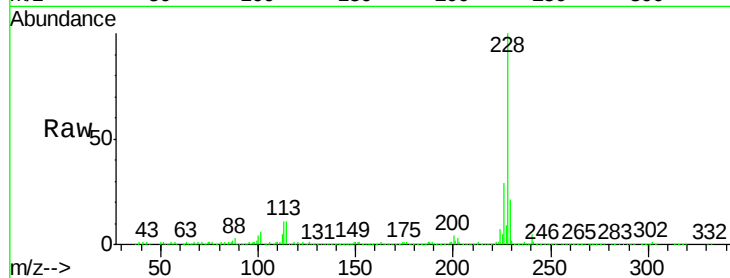
Tgt Ion:228 Resp: 1925851

Ion Ratio Lower Upper

228 100

226 28.9 24.2 36.4

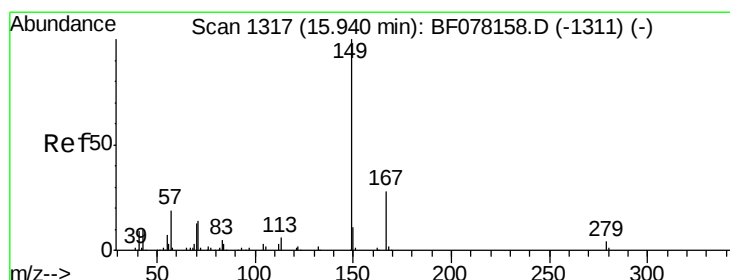
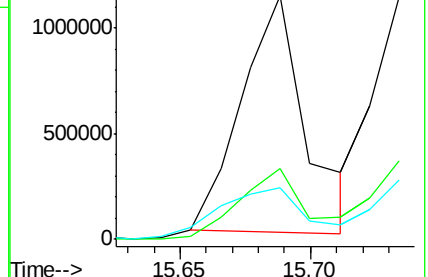
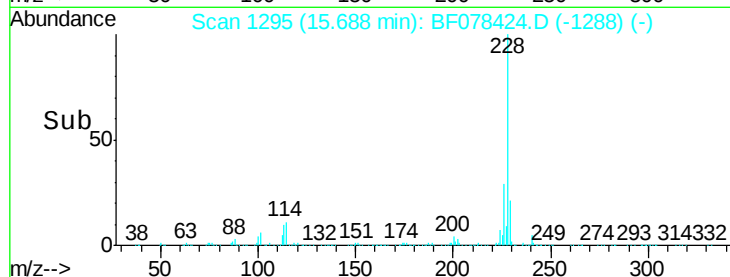
229 21.4 15.8 23.8



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: 7.40 ng

RT: 15.77 min Scan# 1302

Delta R.T. 0.01 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

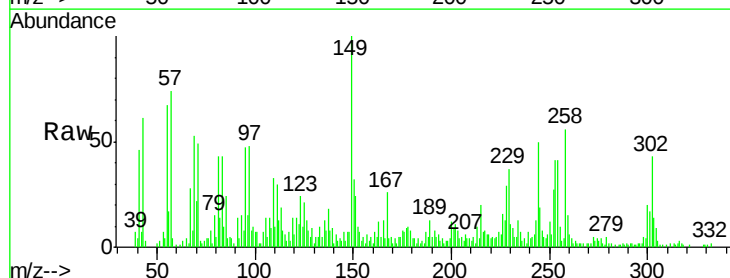
Tgt Ion:149 Resp: 43604

Ion Ratio Lower Upper

149 100

167 26.0 22.2 33.2

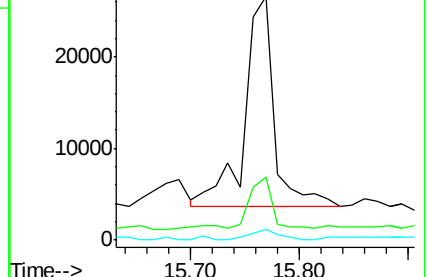
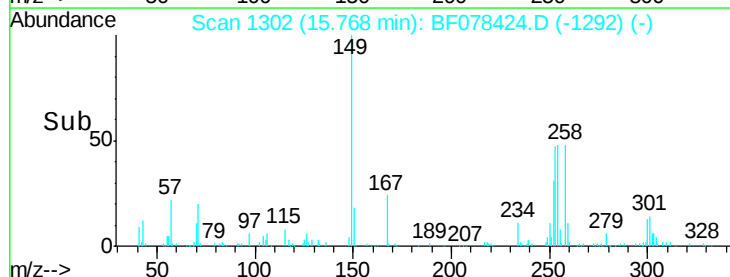
279 4.6 3.2 4.8

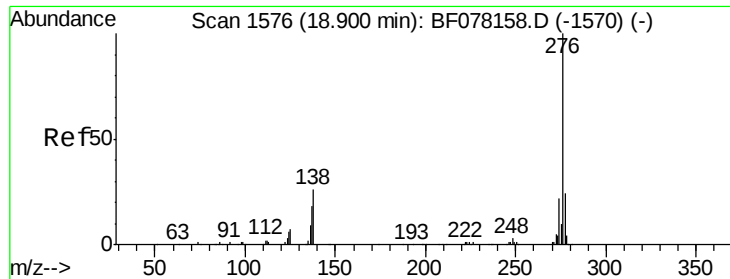


Abundance Ion 149.00 (148.70 to 149.70): E

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: 25.06 ng

RT: 18.44 min Scan# 1536

Delta R.T. -0.08 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampleId :

SP-3

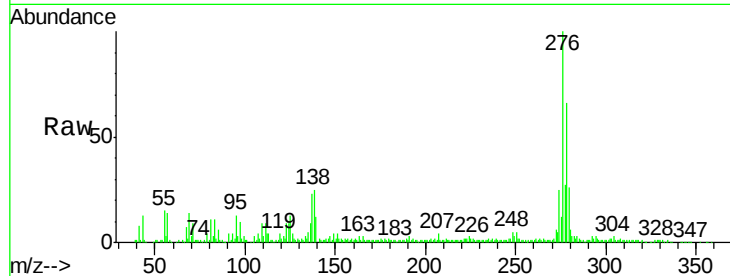
Tgt Ion:276 Resp: 249590

Ion Ratio Lower Upper

276 100

138 22.8 16.9 25.3

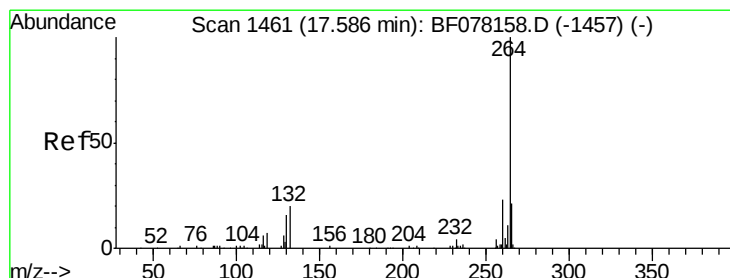
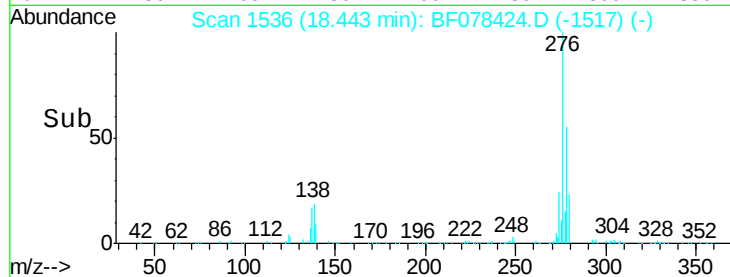
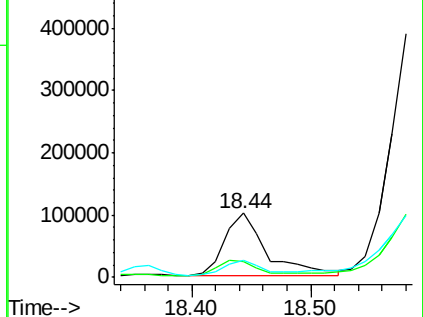
277 21.0 15.8 23.6



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: 17.35 min Scan# 1440

Delta R.T. 0.03 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

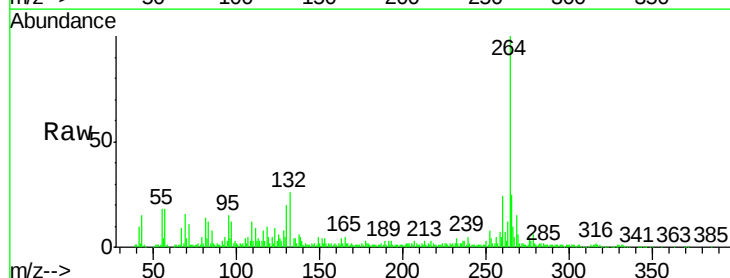
Tgt Ion:264 Resp: 173735

Ion Ratio Lower Upper

264 100

260 24.3 18.6 27.8

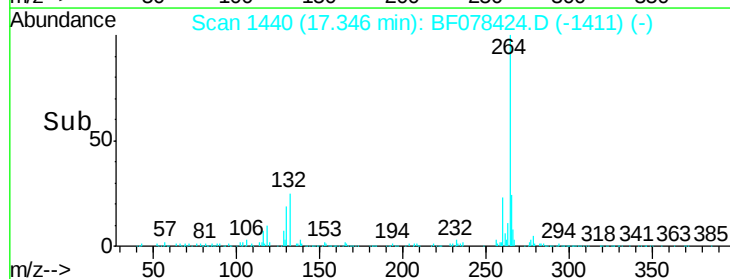
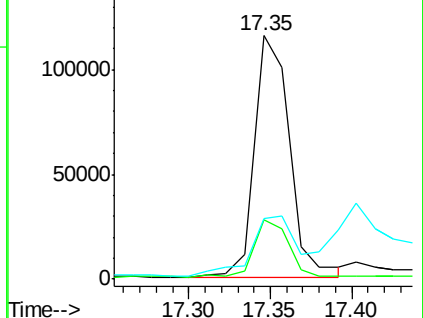
265 25.1 17.0 25.6

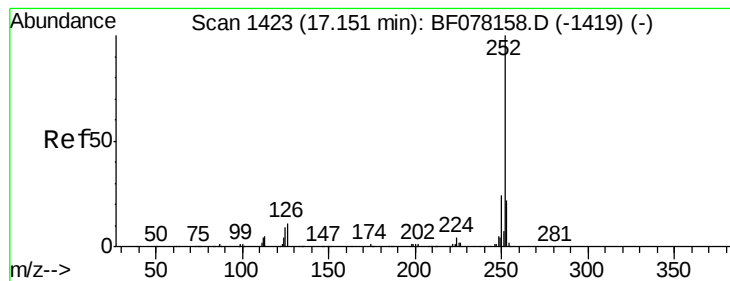


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 275.40 ng

RT: 16.95 min Scan# 1405

Delta R.T. 0.03 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampled :

SP-3

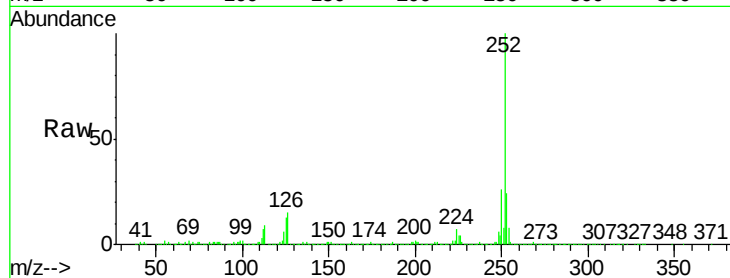
Tgt Ion:252 Resp: 2957081

Ion Ratio Lower Upper

252 100

253 23.9 17.2 25.8

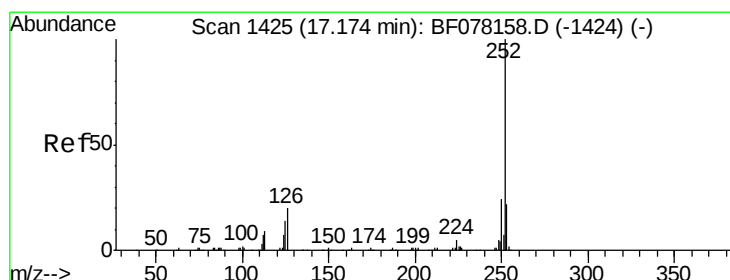
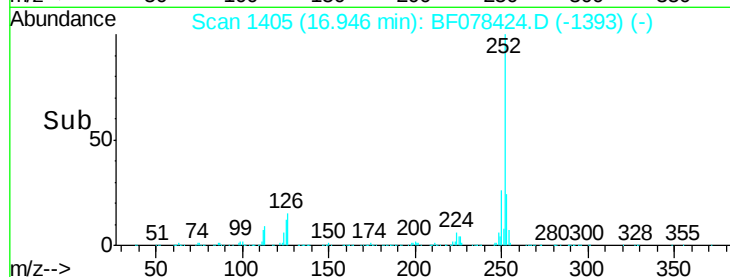
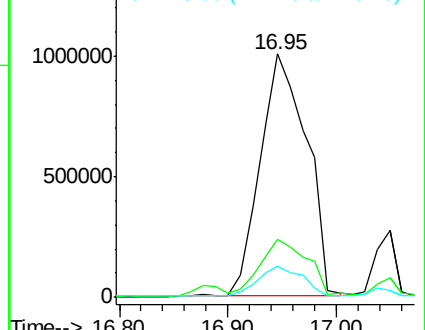
125 12.9 7.0 10.4#



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: 310.73 ng

RT: 16.95 min Scan# 1405

Delta R.T. 0.01 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

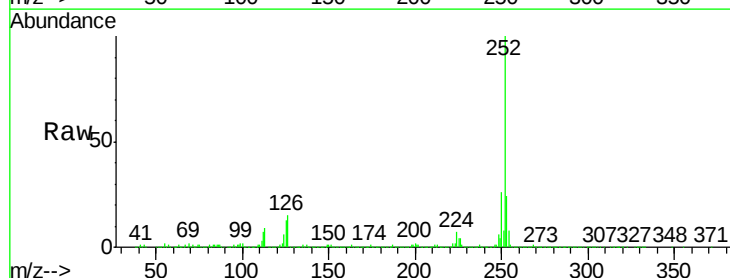
Tgt Ion:252 Resp: 2964965

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

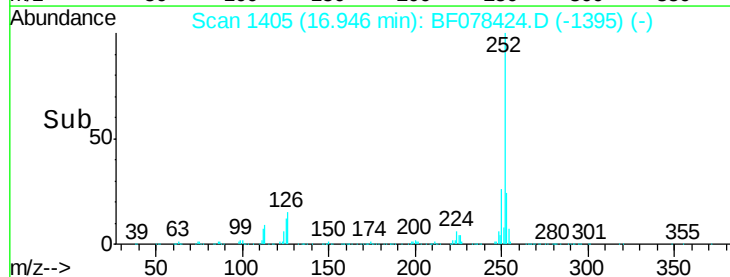
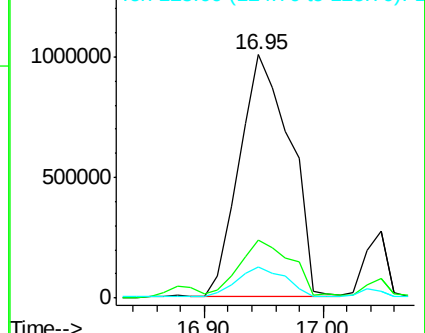
125 12.9 11.6 17.4

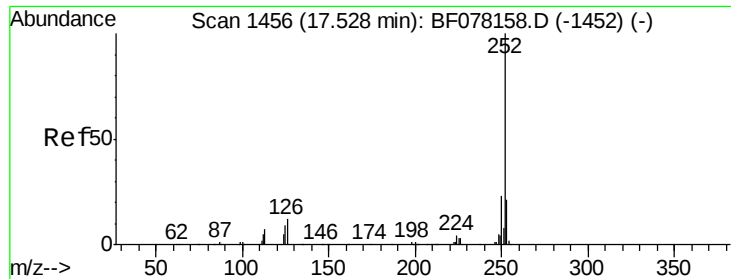


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 166.23 ng

RT: 17.30 min Scan# 1436

Delta R.T. 0.05 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampleId :

SP-3

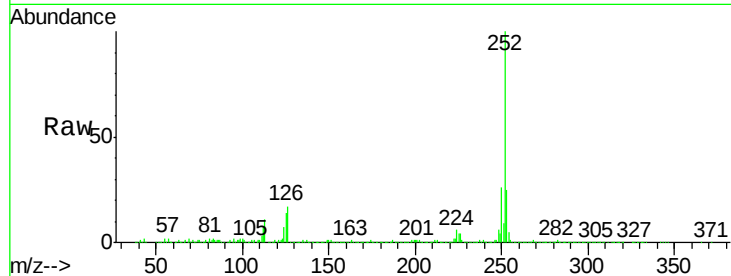
Tgt Ion:252 Resp: 1557690

Ion Ratio Lower Upper

252 100

253 24.9 16.8 25.2

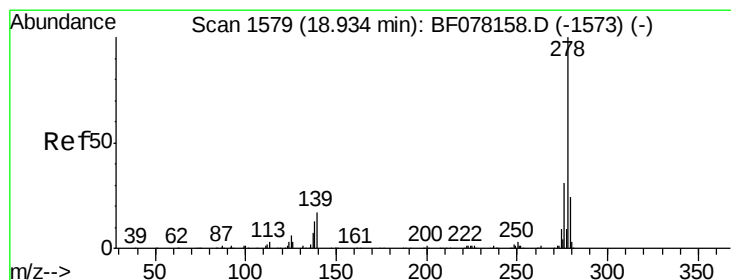
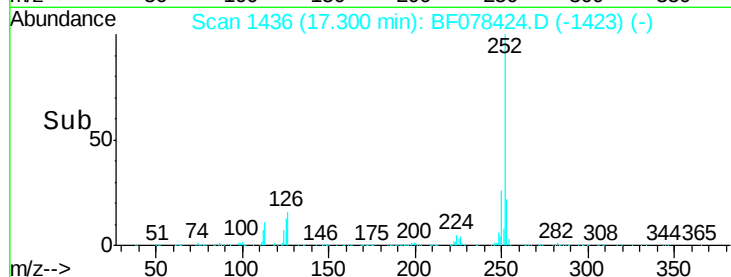
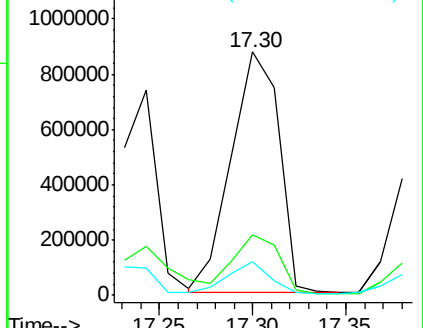
125 13.7 7.4 11.0#



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: 31.87 ng

RT: 18.60 min Scan# 1550

Delta R.T. 0.05 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

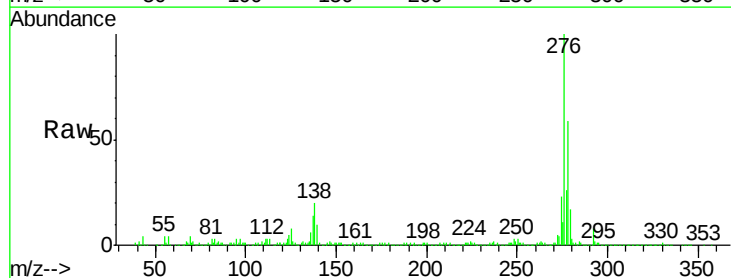
Tgt Ion:278 Resp: 299005

Ion Ratio Lower Upper

278 100

139 16.9 13.6 20.4

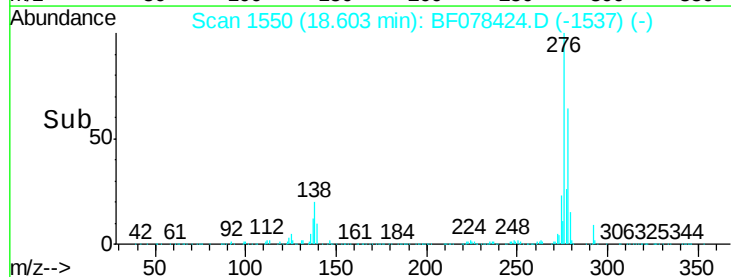
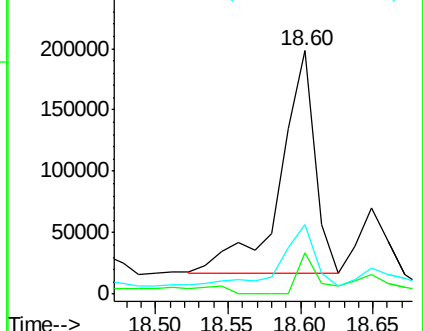
279 28.5 19.0 28.6

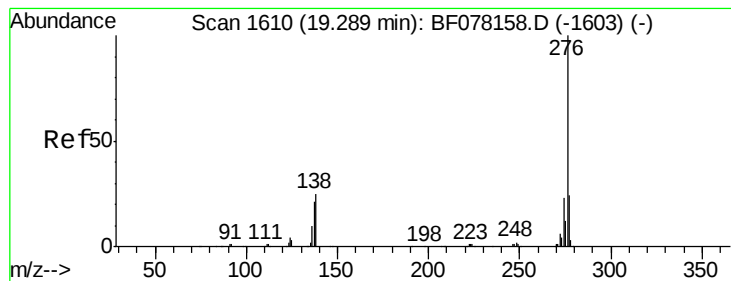


Abundance Ion 278.00 (277.70 to 278.70): E

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: 104.00 ng

RT: 18.96 min Scan# 1581

Delta R.T. 0.08 min

Lab File: BF078424.D

Acq: 11 Apr 2015 5:33

Instrument :

BNA_F

ClientSampleId :

SP-3

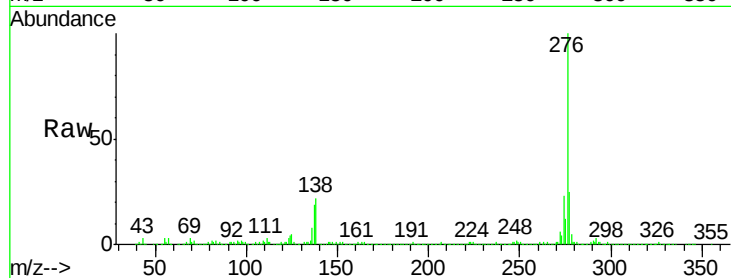
Tgt Ion: 276 Resp: 978312

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.4

138 22.2 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

