

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040615\
 Data File : BF078279.D
 Acq On : 7 Apr 2015 3:11
 Operator : TP/IZ
 Sample : G1745-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2D

Quant Time: Apr 07 03:35:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 07 04:11:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	39907	20.00	ng	0.00
21) Naphthalene-d8	8.56	136	163898	20.00	ng	0.00
38) Acenaphthene-d10	10.72	164	81245	20.00	ng	0.00
63) Phenanthrene-d10	12.56	188	158700	20.00	ng	0.01
75) Chrysene-d12	15.81	240	166033	20.00	ng	0.00
86) Perylene-d12	17.48	264	174463	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	216077	89.27	ng	0.01
7) Phenol-d6	6.58	99	275874	90.95	ng	0.00
23) Nitrobenzene-d5	7.68	82	160414	59.32	ng	0.00
41) 2,4,6-Tribromophenol	11.70	330	58677	87.08	ng	0.00
44) 2-Fluorobiphenyl	9.90	172	290869	51.18	ng	0.00
78) Terphenyl-d14	14.55	244	319895	43.54	ng	0.00

Target Compounds

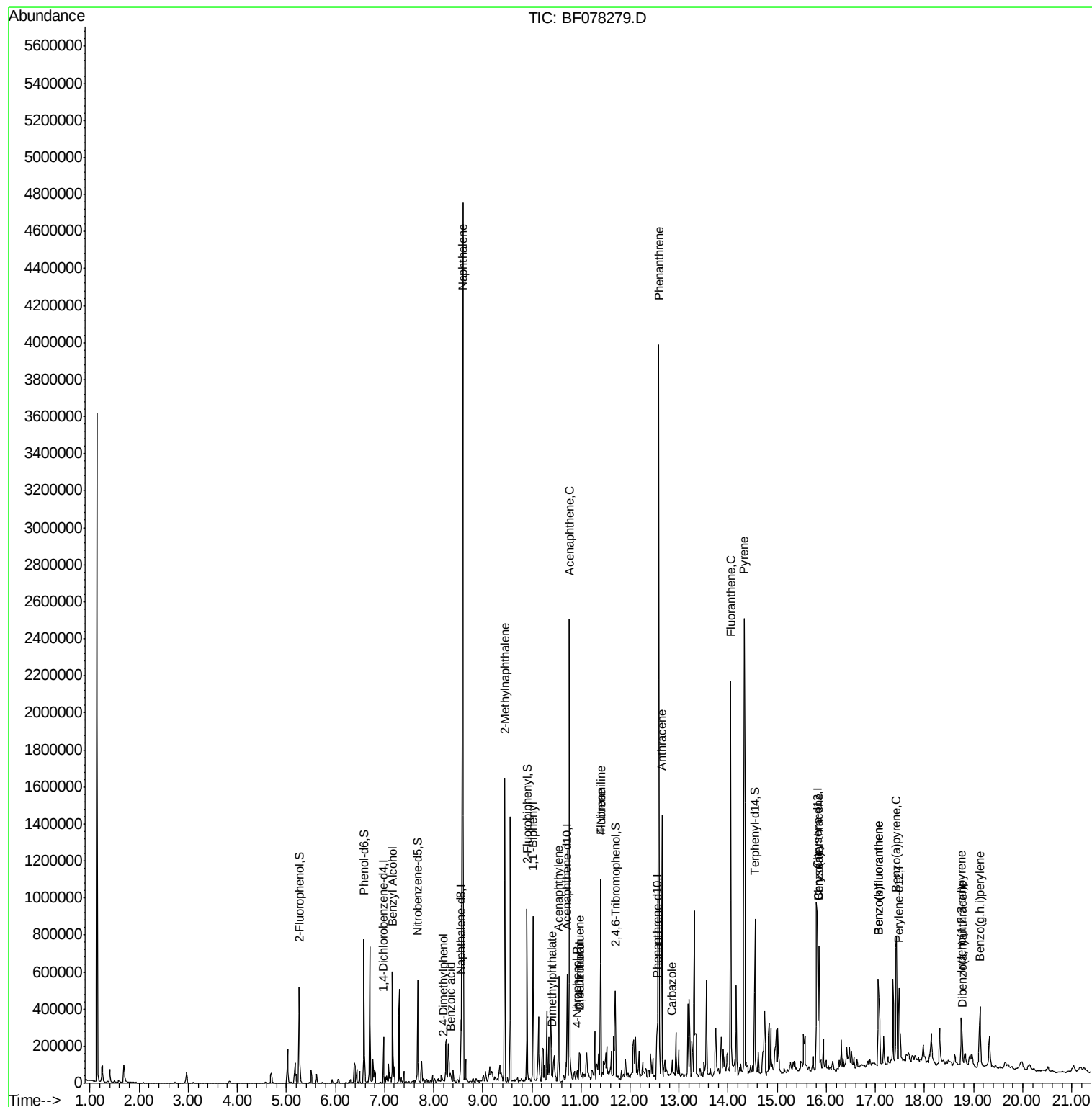
						Qvalue
15) Benzyl Alcohol	7.16	79	4366	2.05	ng	# 51
27) 2,4-Dimethylphenol	8.19	122	5249	2.10	ng	95
31) Naphthalene	8.59	128	2681802	314.37	ng	96
32) Benzoic acid	8.35	122	4171	8.91	ng	# 50
37) 2-Methylnaphthalene	9.45	142	598646	103.36	ng	99
45) 1,1'-Biphenyl	10.02	154	352067	52.98	ng	97
48) Acenaphthylene	10.54	152	205768	24.37	ng	98
49) Dimethylphthalate	10.42	163	18135	2.97	ng	# 96
51) Acenaphthene	10.76	154	549931	115.68	ng	100
54) Dibenzofuran	10.98	168	57057	7.86	ng	# 90
55) 4-Nitrophenol	10.91	139	1227	3.89	ng	# 49
56) 2,4-Dinitrotoluene	10.97	165	4486	2.76	ng	# 66
57) Fluorene	11.40	166	428614	72.83	ng	99
61) 4-Nitroaniline	11.40	138	4175	2.89	ng	# 22
70) Phenanthrene	12.59	178	1825441	198.85	ng	97
71) Anthracene	12.65	178	587946	65.00	ng	99
72) Carbazole	12.85	167	32368	3.82	ng	95
74) Fluoranthene	14.05	202	972447	100.45	ng	96
77) Pyrene	14.33	202	1419911	136.23	ng	95
80) Benzo(a)anthracene	15.85	228	211392	21.40	ng	94
82) Chrysene	15.85	228	301003	32.43	ng	98
85) Indeno(1,2,3-cd)pyrene	18.75	276	170600	16.20	ng	# 90
87) Benzo(b)fluoranthene	17.06	252	400961	37.19	ng	# 96
88) Benzo(k)fluoranthene	17.06	252	402073	41.96	ng	98
89) Benzo(a)pyrene	17.43	252	378533	40.23	ng	98
90) Dibenzo(a,h)anthracene	18.77	278	29389	3.12	ng	98
91) Benzo(g,h,i)perylene	19.13	276	229077	24.25	ng	98

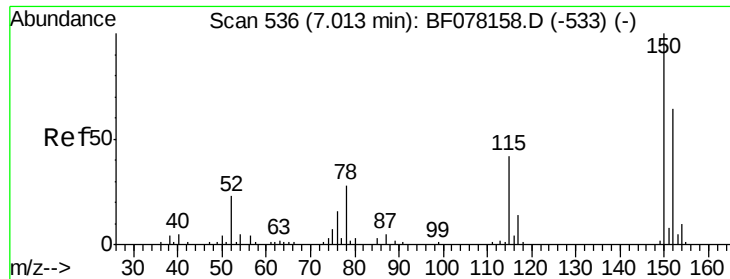
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

SB-2D

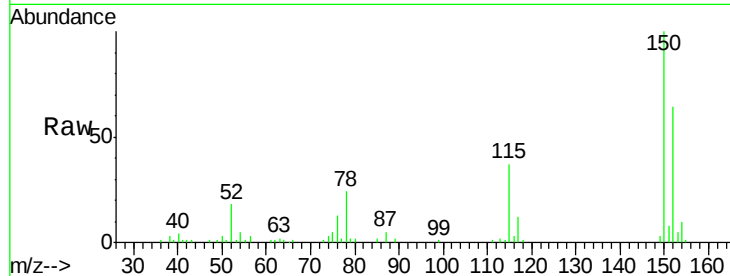
Tgt Ion:152 Resp: 39907

Ion Ratio Lower Upper

152 100

150 156.3 125.9 188.9

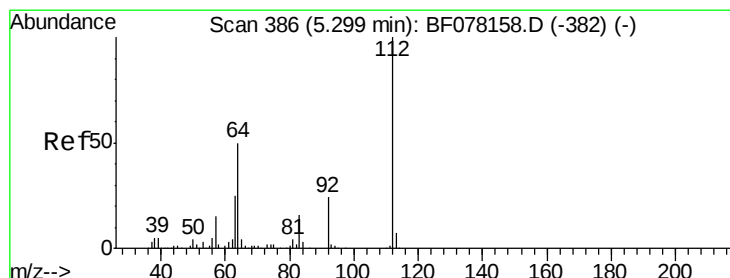
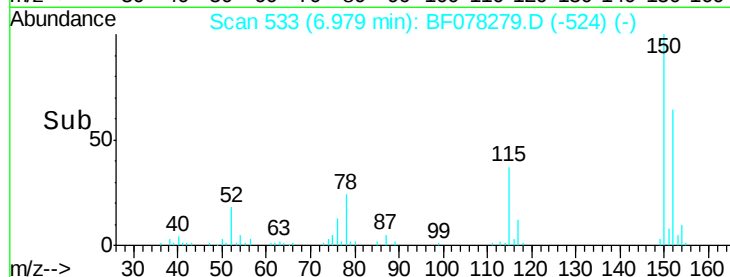
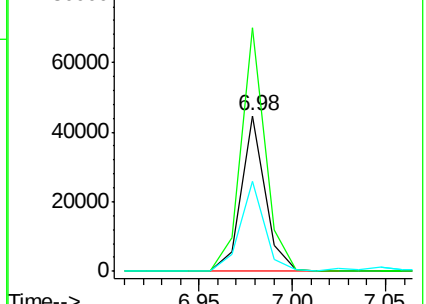
115 57.8 52.7 79.1



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



#5

2-Fluorophenol

Concen: 89.27 ng

RT: 5.26 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

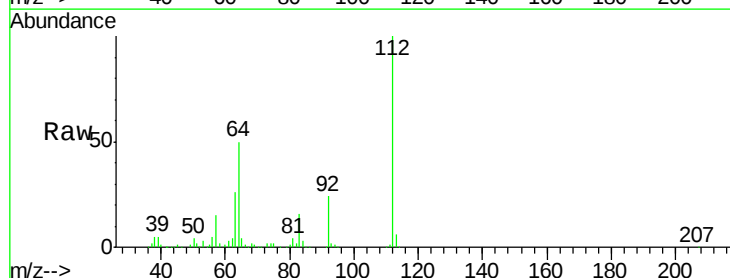
Tgt Ion:112 Resp: 216077

Ion Ratio Lower Upper

112 100

64 50.2 39.9 59.9

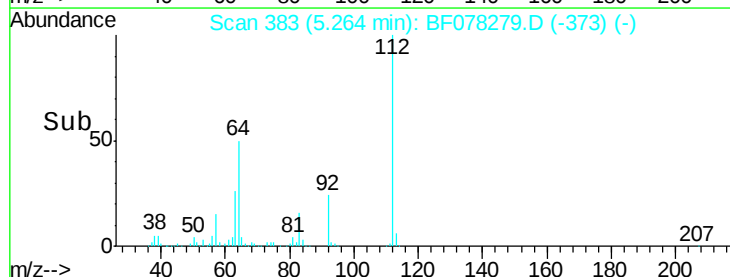
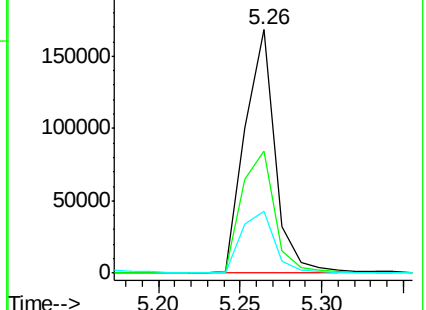
63 25.6 20.2 30.4

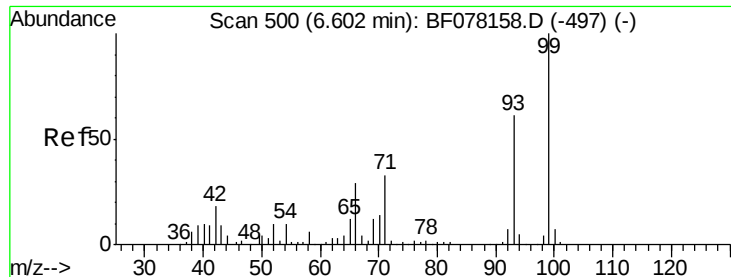


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 90.95 ng

RT: 6.58 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

SB-2D

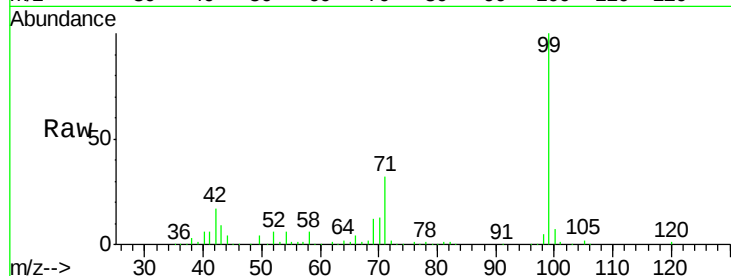
Tgt Ion: 99 Resp: 275874

Ion Ratio Lower Upper

99 100

42 16.6 14.8 22.2

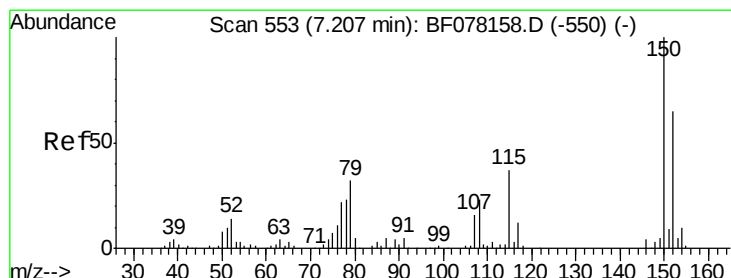
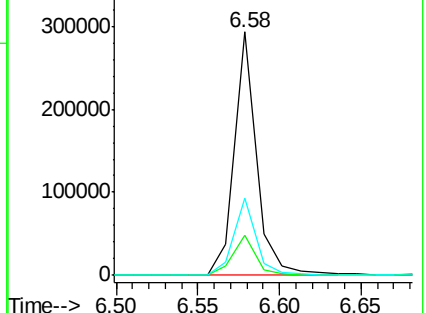
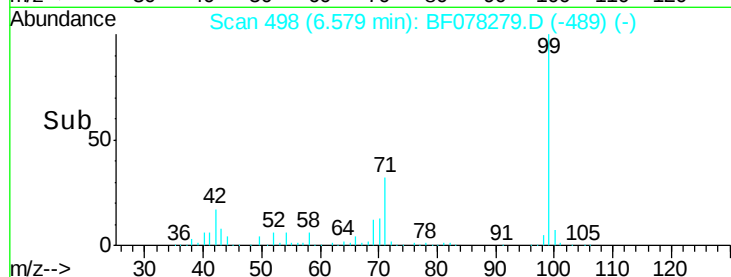
71 31.6 26.6 39.8



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



#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 7.16 min Scan# 549

Delta R.T. -0.01 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

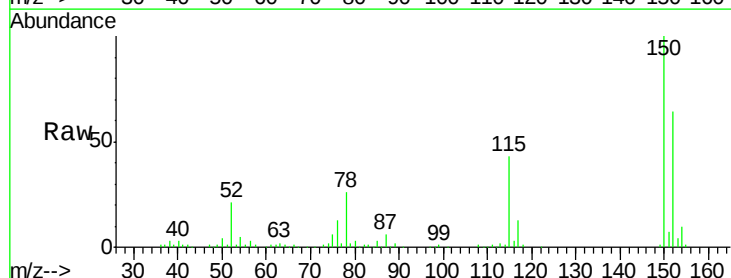
Tgt Ion: 79 Resp: 4366

Ion Ratio Lower Upper

79 100

108 27.6 57.6 86.4#

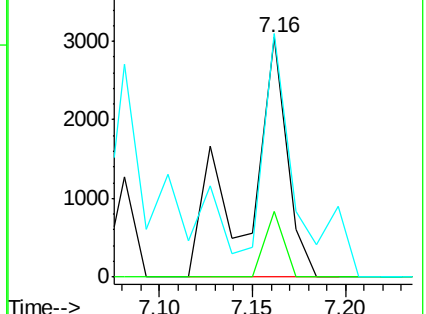
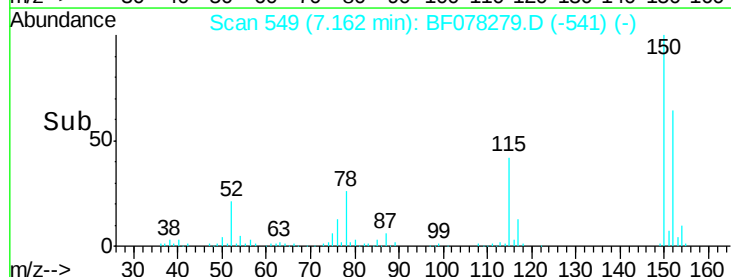
77 101.8 53.5 80.3#

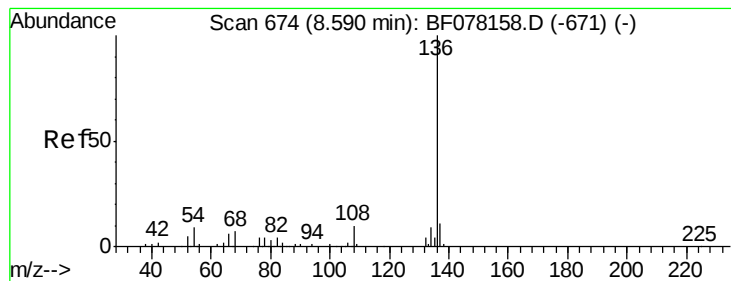


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.56 min Scan# 671

Delta R.T. -0.00 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

SB-2D

Tgt Ion:136 Resp: 163898

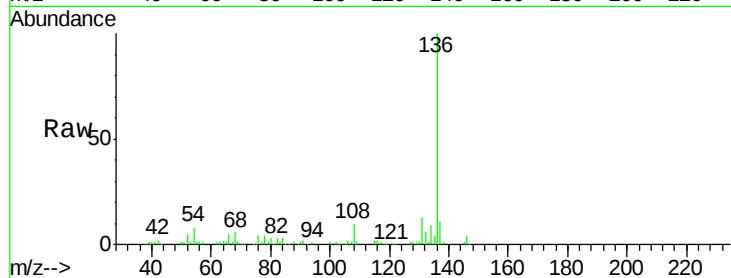
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 7.7 7.0 10.6

68 5.8 5.4 8.2

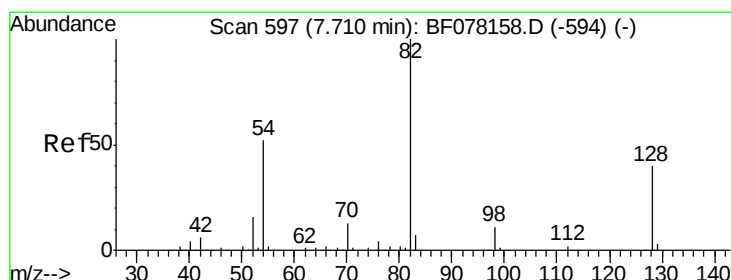
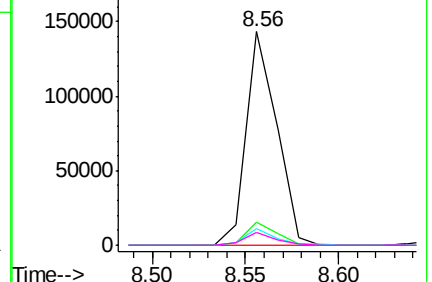
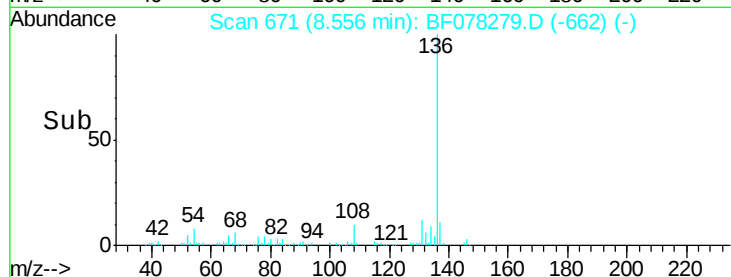


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.32 ng

RT: 7.68 min Scan# 594

Delta R.T. -0.00 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

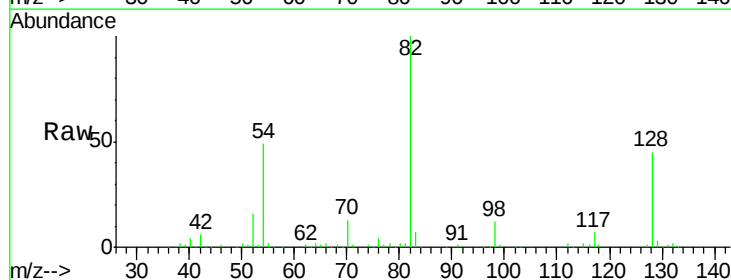
Tgt Ion: 82 Resp: 160414

Ion Ratio Lower Upper

82 100

128 44.9 31.8 47.8

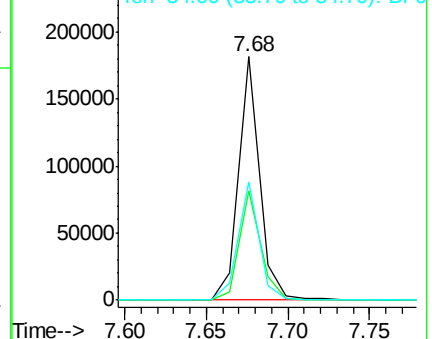
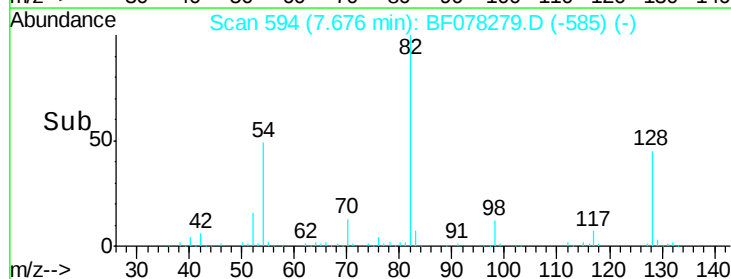
54 48.7 41.5 62.3

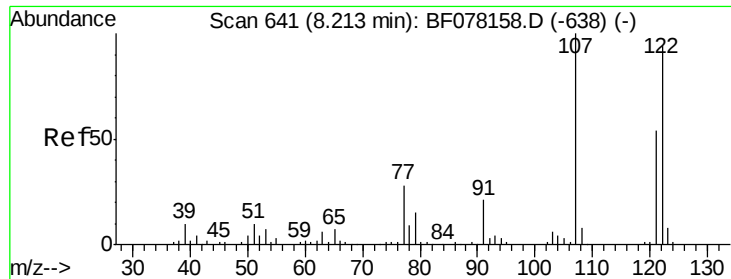


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

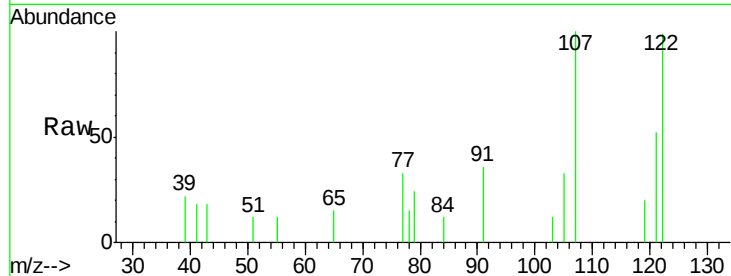




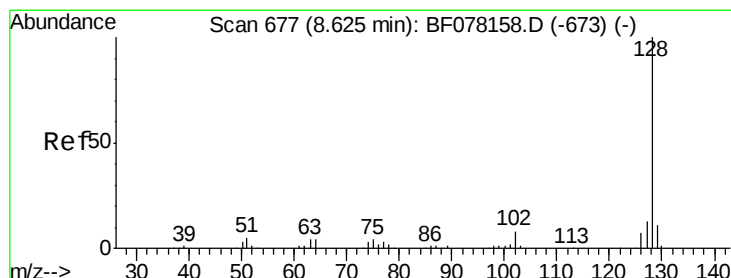
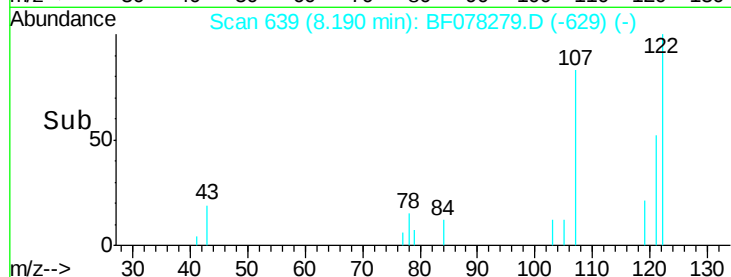
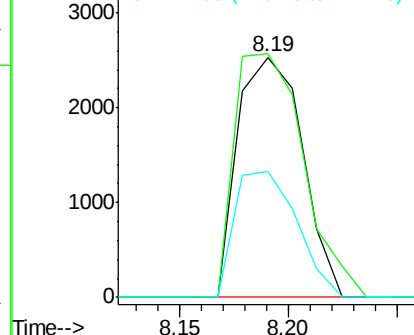
#27
2,4-Dimethylphenol
Concen: 2.10 ng
RT: 8.19 min Scan# 639
Delta R.T. 0.01 min
Lab File: BF078279.D
Acq: 7 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
SB-2D

Tgt Ion:122 Resp: 5249
Ion Ratio Lower Upper
122 100
107 101.3 84.6 127.0
121 52.3 46.0 69.0

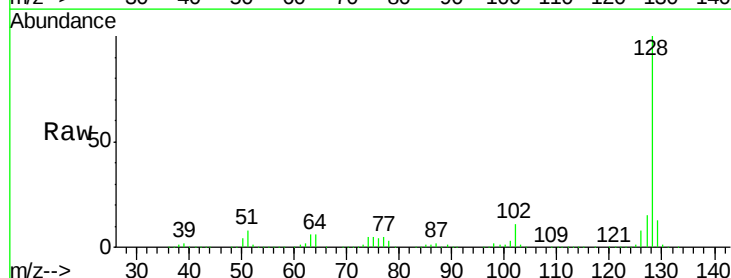


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

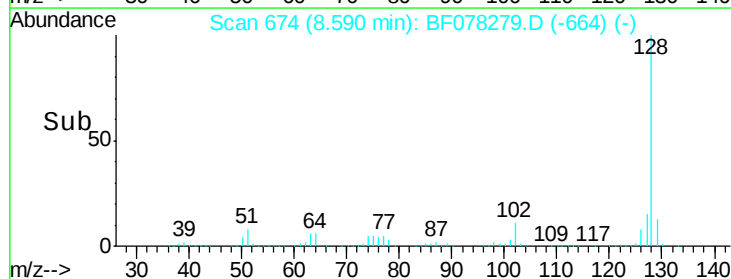
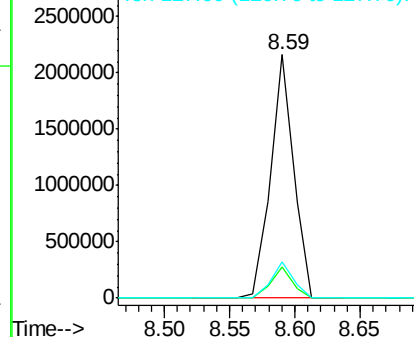


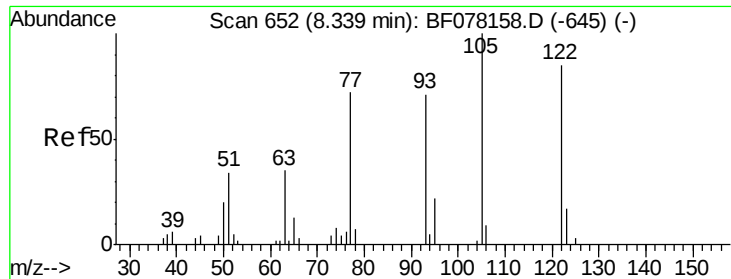
#31
Naphthalene
Concen: 314.37 ng
RT: 8.59 min Scan# 674
Delta R.T. 0.01 min
Lab File: BF078279.D
Acq: 7 Apr 2015 3:11

Tgt Ion:128 Resp: 2681802
Ion Ratio Lower Upper
128 100
129 12.6 8.6 12.8
127 14.9 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

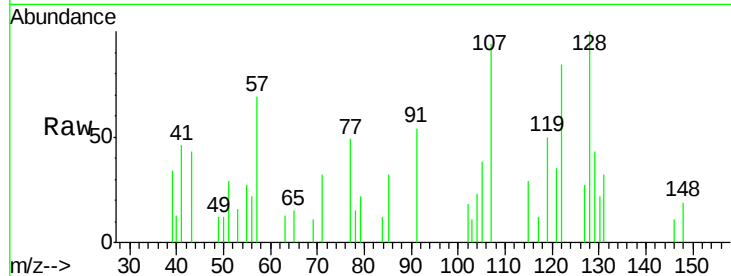




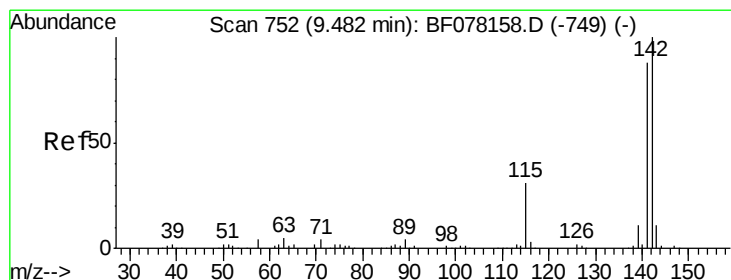
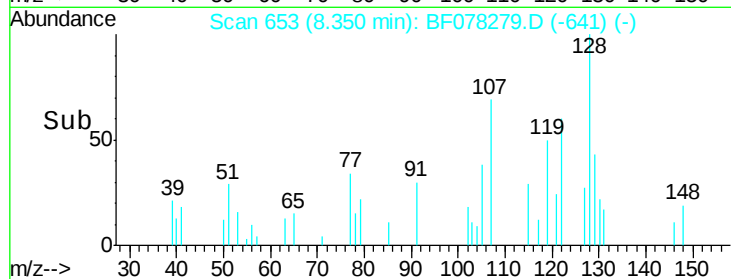
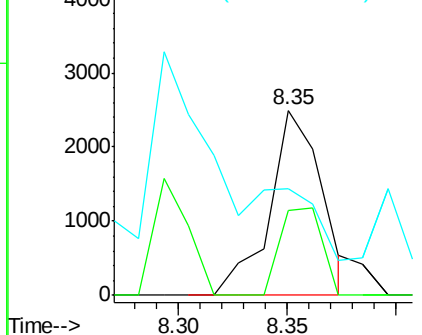
#32
Benzoic acid
Concen: 8.91 ng
RT: 8.35 min Scan# 653
Delta R.T. 0.03 min
Lab File: BF078279.D
Acq: 7 Apr 2015 3:11

Instrument :
BNA_F
ClientSampled :
SB-2D

Tgt Ion:122 Resp: 4171
Ion Ratio Lower Upper
122 100
105 45.5 96.1 136.1#
77 57.8 64.1 104.1#

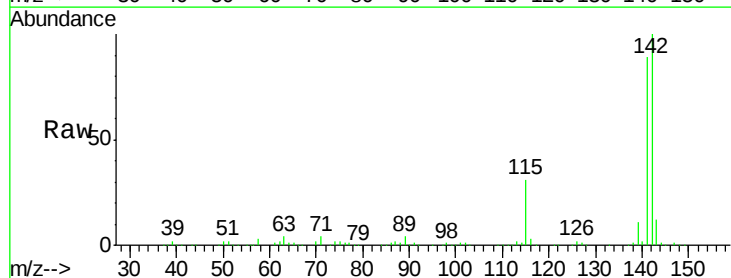


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

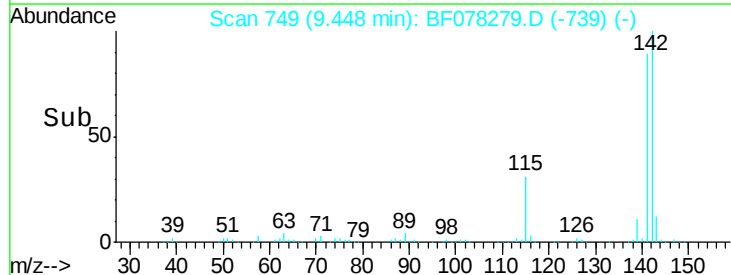
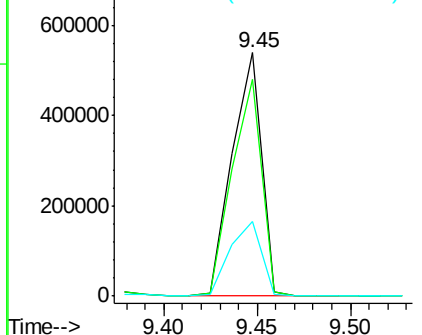


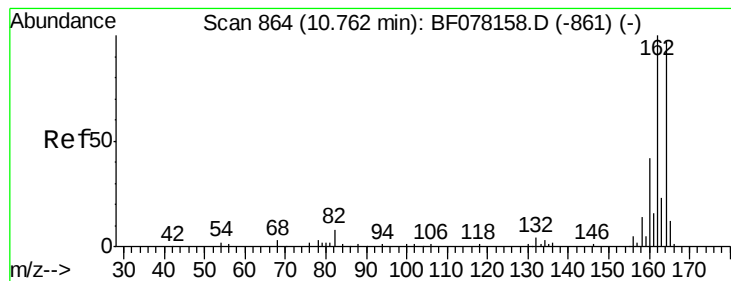
#37
2-Methylnaphthalene
Concen: 103.36 ng
RT: 9.45 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF078279.D
Acq: 7 Apr 2015 3:11

Tgt Ion:142 Resp: 598646
Ion Ratio Lower Upper
142 100
141 89.0 70.3 105.5
115 30.7 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: 10.72 min Scan# 860

Delta R.T. -0.00 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

SB-2D

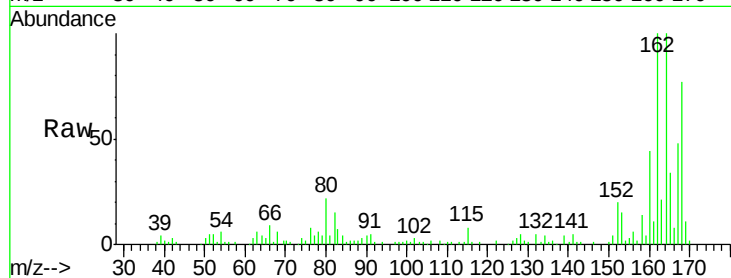
Tgt Ion:164 Resp: 81245

Ion Ratio Lower Upper

164 100

162 100.3 82.2 123.2

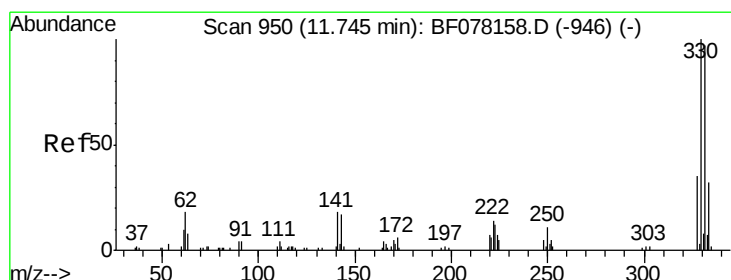
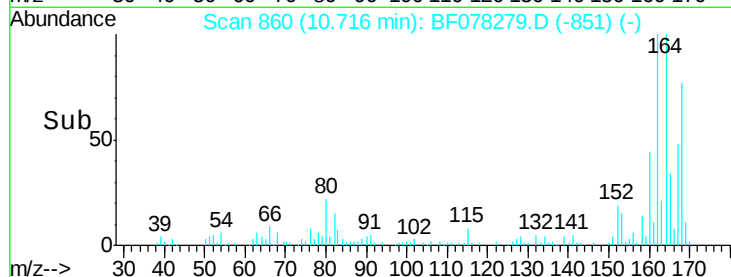
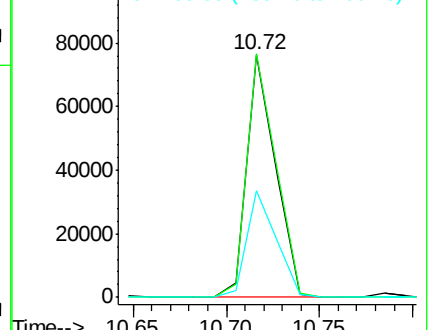
160 43.8 34.7 52.1



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: 87.08 ng

RT: 11.70 min Scan# 946

Delta R.T. -0.00 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

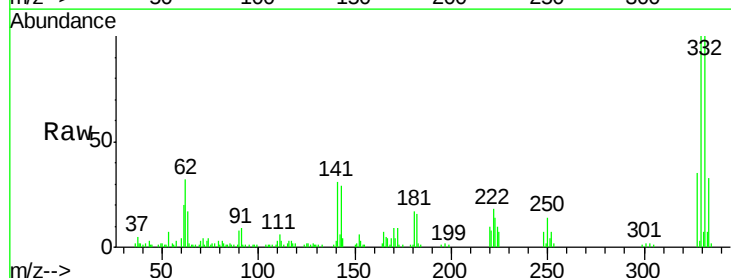
Tgt Ion:330 Resp: 58677

Ion Ratio Lower Upper

330 100

332 99.3 78.6 117.8

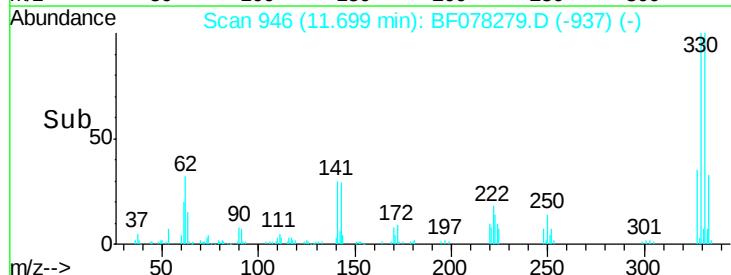
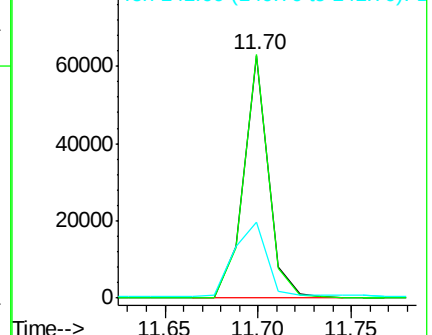
141 40.5 31.2 46.8

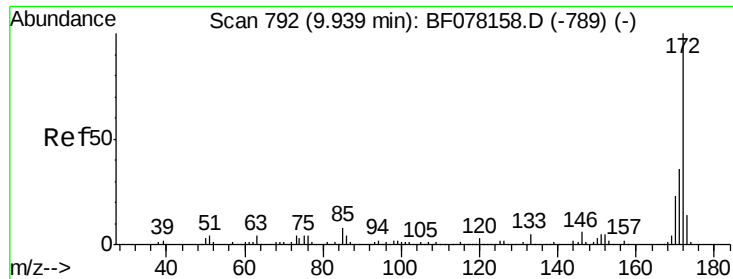


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

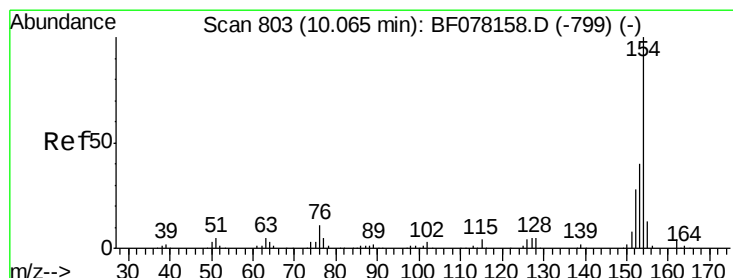
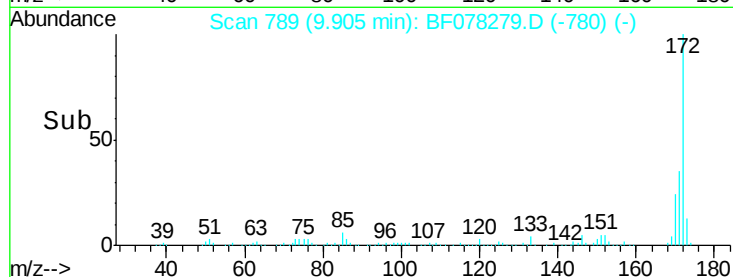
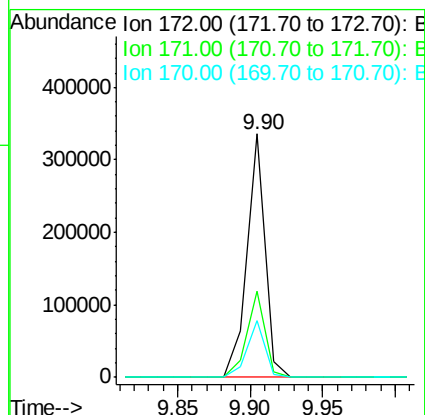
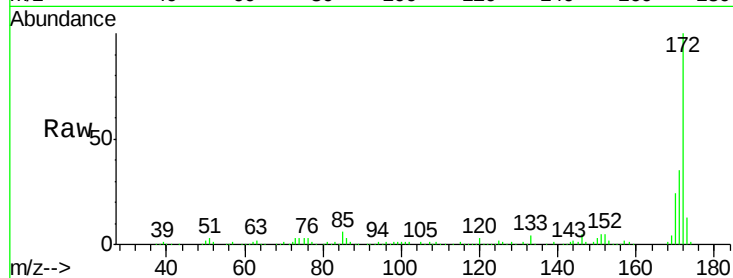




#44
 2-Fluorobiphenyl
 Concen: 51.18 ng
 RT: 9.90 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF078279.D
 Acq: 7 Apr 2015 3:11

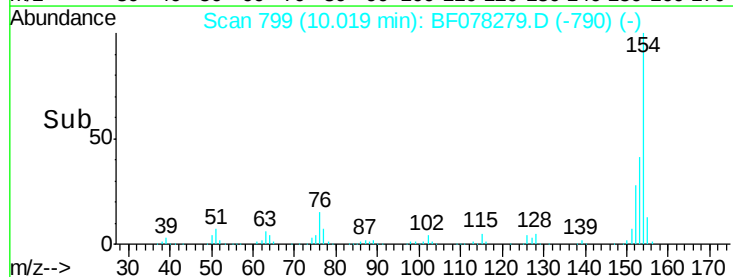
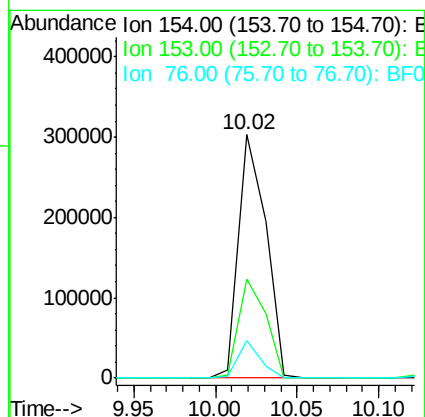
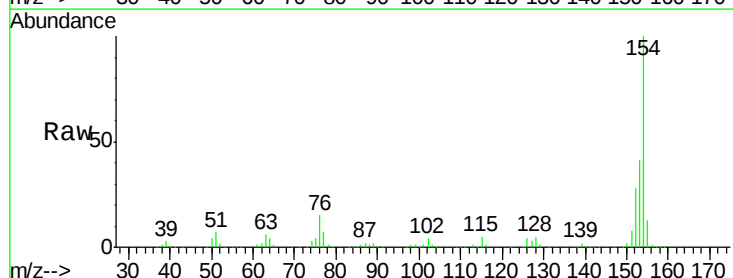
Instrument :
 BNA_F
 ClientSampleId :
 SB-2D

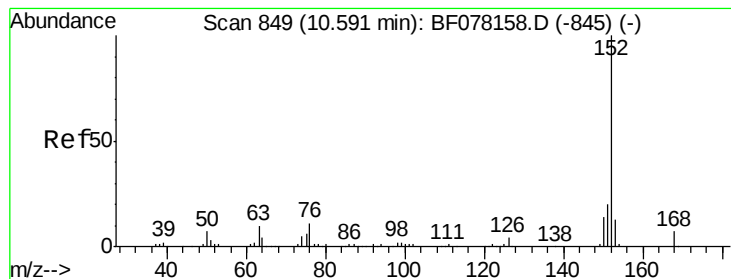
Tgt Ion:172 Resp: 290869
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.5 18.5 27.7



#45
 1,1'-Biphenyl
 Concen: 52.98 ng
 RT: 10.02 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF078279.D
 Acq: 7 Apr 2015 3:11

Tgt Ion:154 Resp: 352067
 Ion Ratio Lower Upper
 154 100
 153 40.6 20.0 60.0
 76 15.3 0.0 30.6





#48

Acenaphthylene

Concen: 24.37 ng

RT: 10.54 min Scan# 845

Delta R.T. -0.00 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

SB-2D

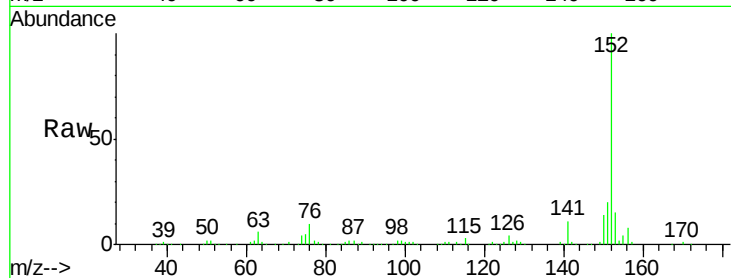
Tgt Ion:152 Resp: 205768

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

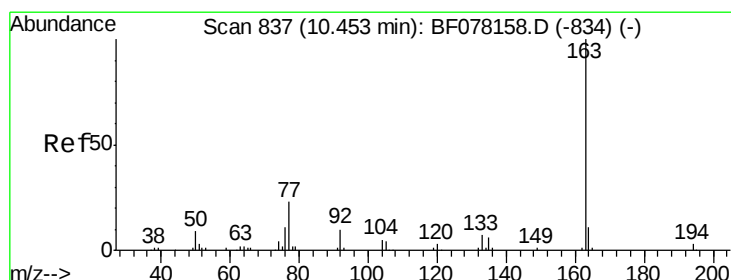
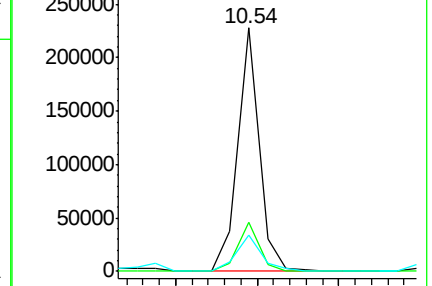
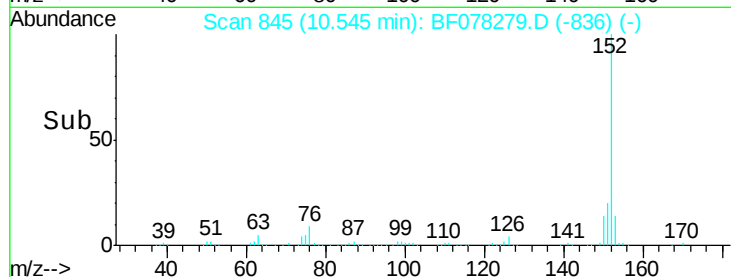
153 14.7 10.2 15.2



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: 2.97 ng

RT: 10.42 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

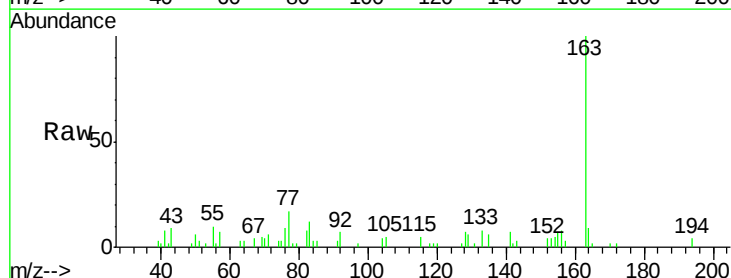
Tgt Ion:163 Resp: 18135

Ion Ratio Lower Upper

163 100

194 3.8 2.3 3.5#

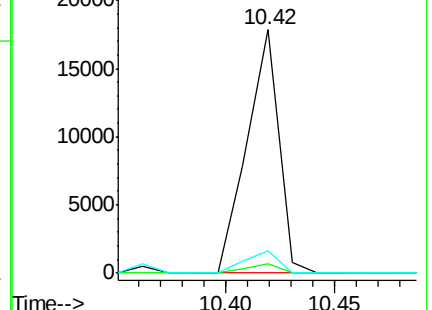
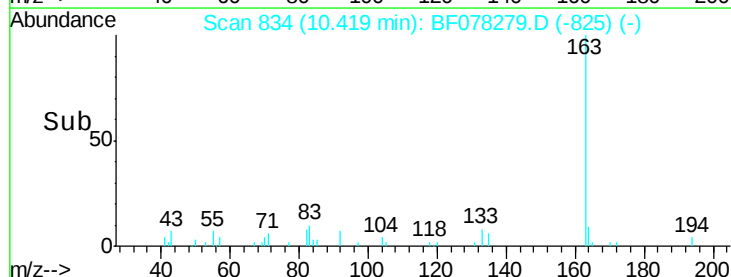
164 9.1 8.6 13.0

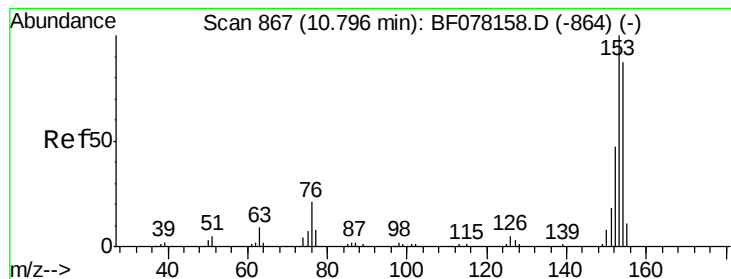


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 115.68 ng

RT: 10.76 min Scan# 864

Delta R.T. -0.00 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

SB-2D

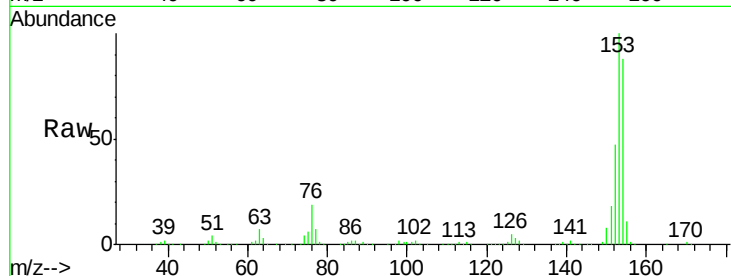
Tgt Ion:154 Resp: 549931

Ion Ratio Lower Upper

154 100

153 113.8 91.4 137.2

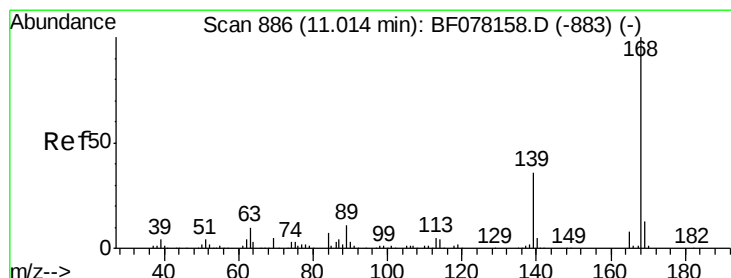
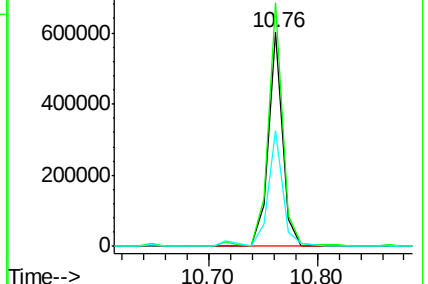
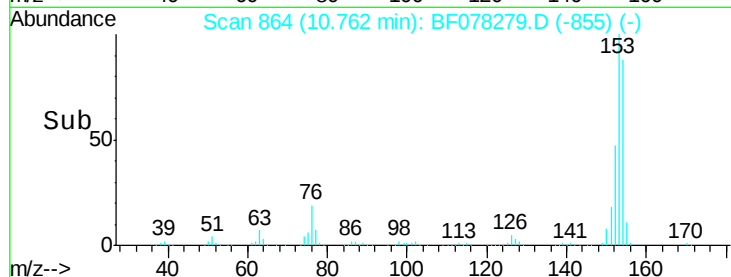
152 54.0 43.0 64.6



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: 7.86 ng

RT: 10.98 min Scan# 883

Delta R.T. 0.01 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

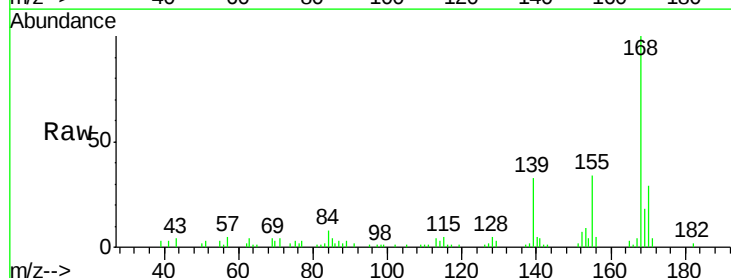
Tgt Ion:168 Resp: 57057

Ion Ratio Lower Upper

168 100

139 33.1 31.0 46.4

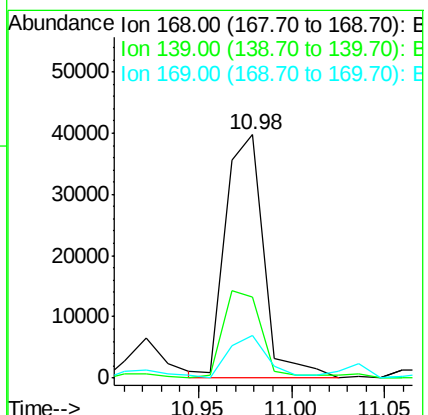
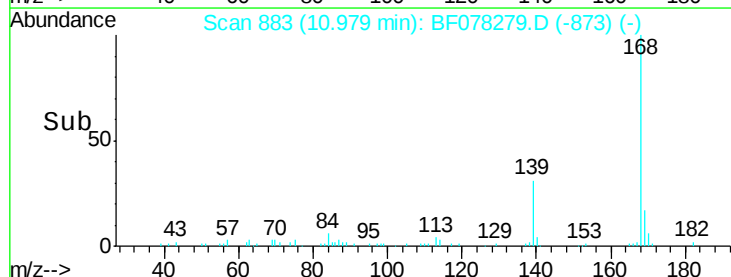
169 17.7 10.7 16.1#

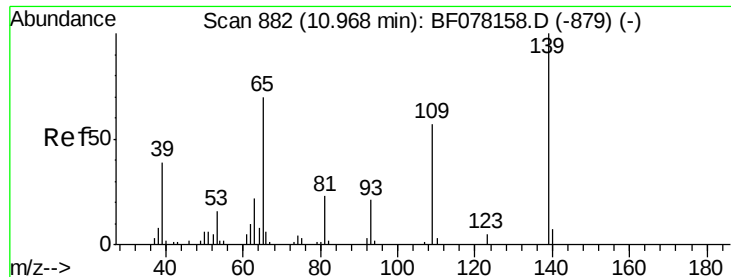


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

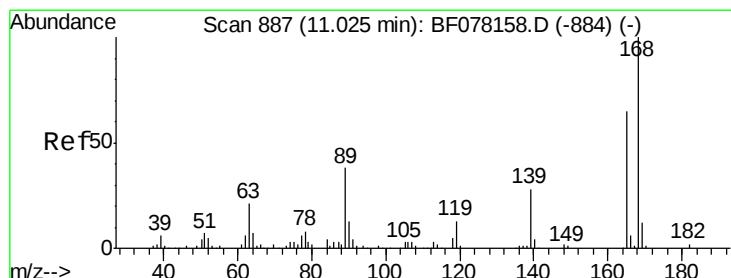
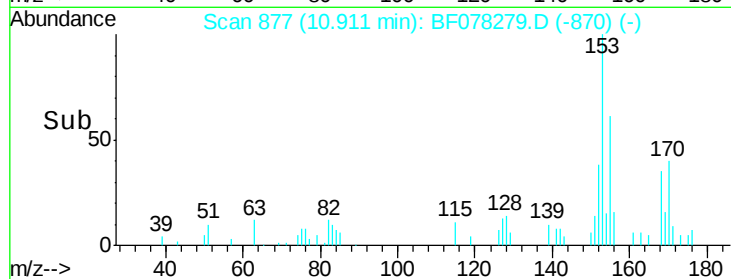
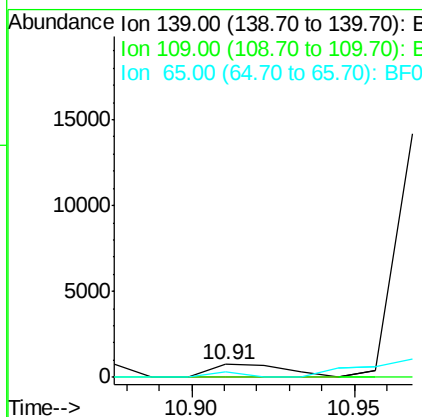
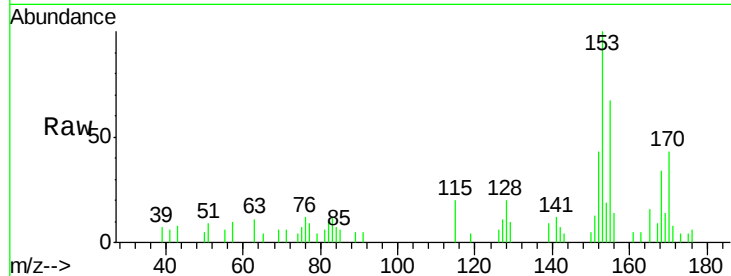




#55
 4-Nitrophenol
 Concen: 3.89 ng
 RT: 10.91 min Scan# 877
 Delta R.T. -0.02 min
 Lab File: BF078279.D
 Acq: 7 Apr 2015 3:11

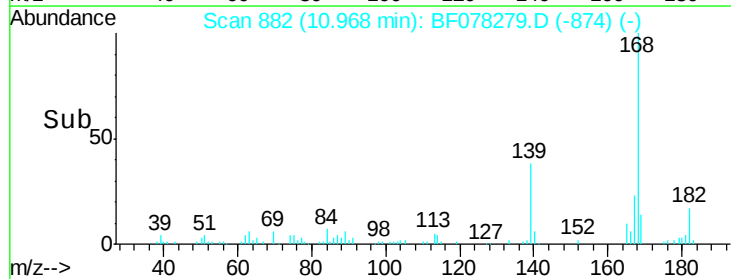
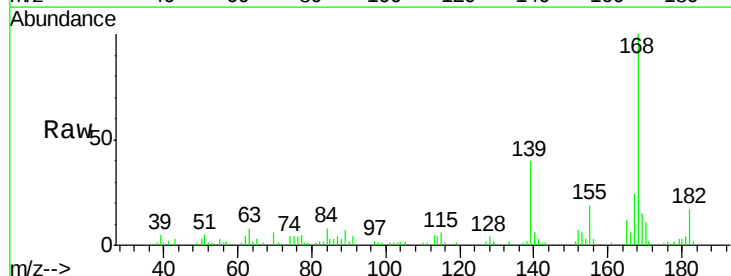
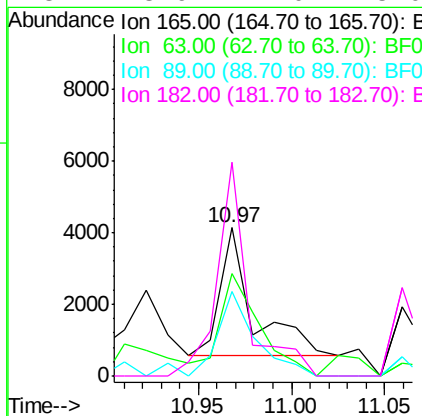
Instrument :
 BNA_F
 ClientSampleId :
 SB-2D

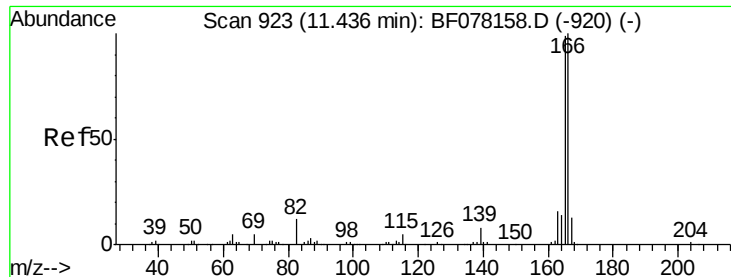
Tgt Ion:	139	Resp:	1227
Ion	Ratio	Lower	Upper
139	100		
109	0.0	36.7	76.7#
65	44.9	49.9	89.9#



#56
 2,4-Dinitrotoluene
 Concen: 2.76 ng
 RT: 10.97 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF078279.D
 Acq: 7 Apr 2015 3:11

Tgt Ion:	165	Resp:	4486
Ion	Ratio	Lower	Upper
165	100		
63	69.1	26.5	39.7#
89	57.1	46.4	69.6
182	143.9	2.0	3.0#





#57

Fluorene

Concen: 72.83 ng

RT: 11.40 min Scan# 920

Delta R.T. 0.01 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

SB-2D

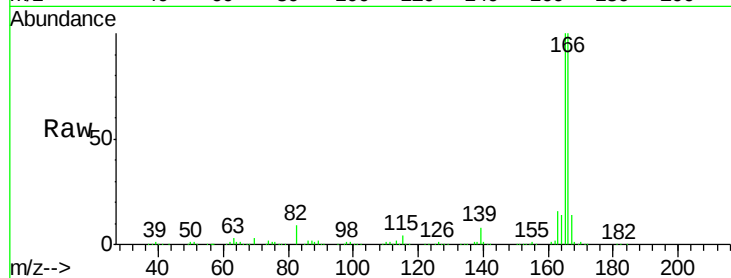
Tgt Ion:166 Resp: 428614

Ion Ratio Lower Upper

166 100

165 99.8 78.9 118.3

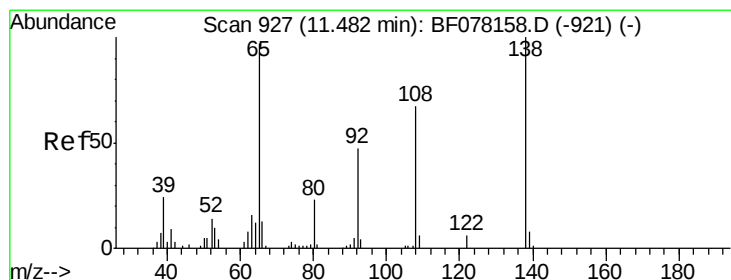
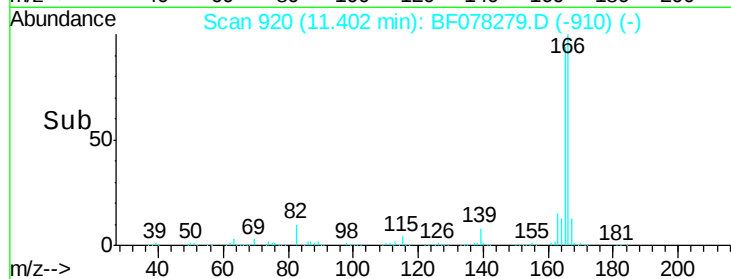
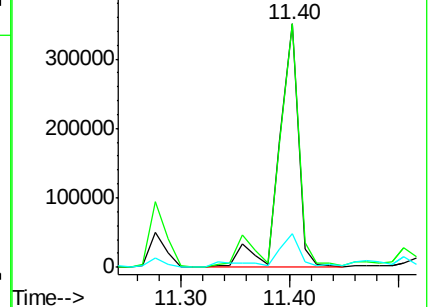
167 13.9 10.7 16.1



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



#61

4-Nitroaniline

Concen: 2.89 ng

RT: 11.40 min Scan# 920

Delta R.T. -0.05 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

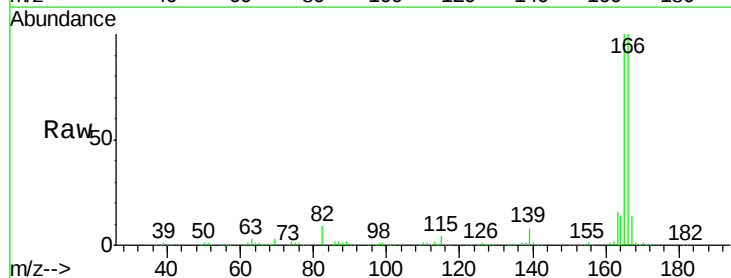
Tgt Ion:138 Resp: 4175

Ion Ratio Lower Upper

138 100

92 0.0 27.3 67.3#

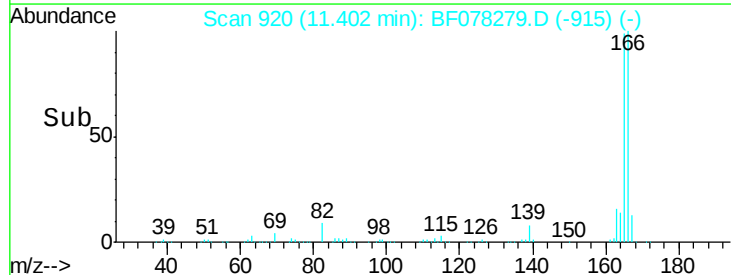
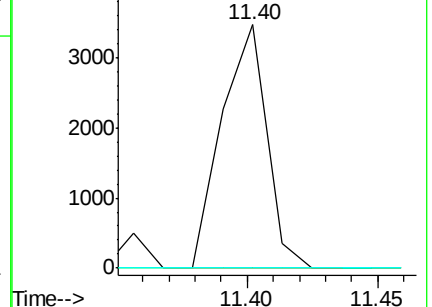
108 0.0 47.2 87.2#

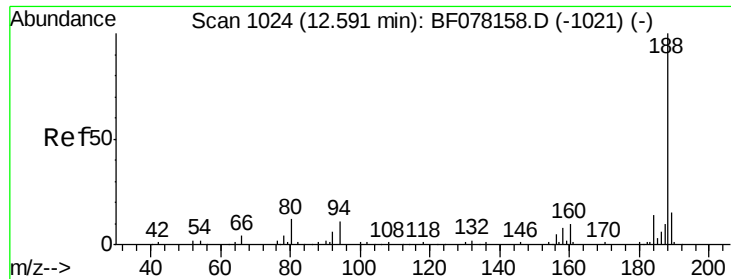


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E

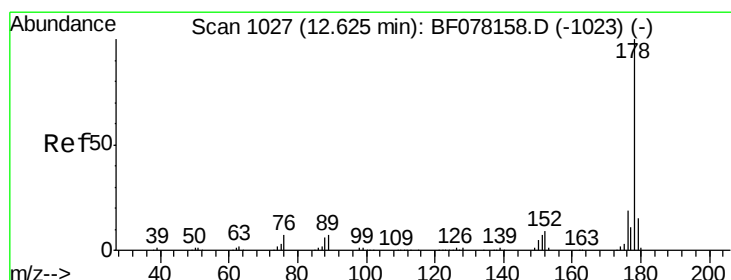
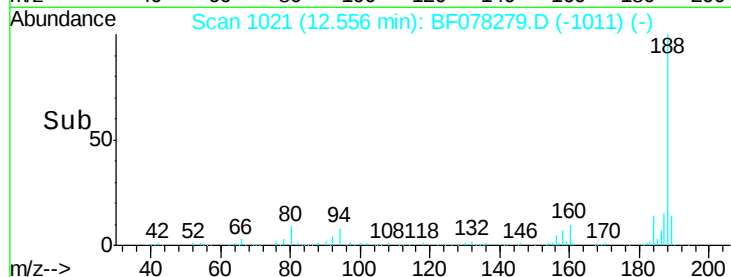
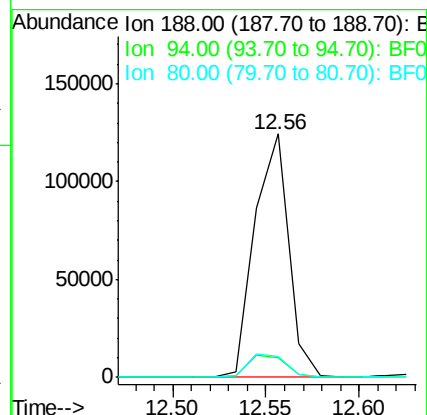
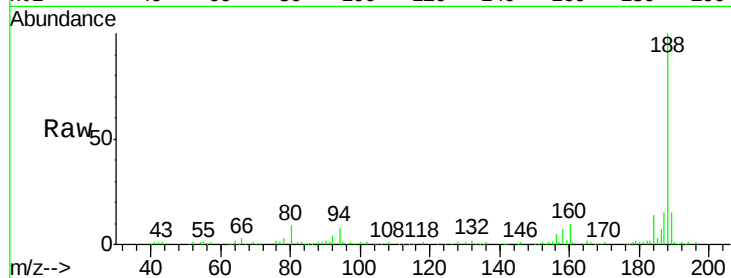




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BF078279.D
Acq: 7 Apr 2015 3:11

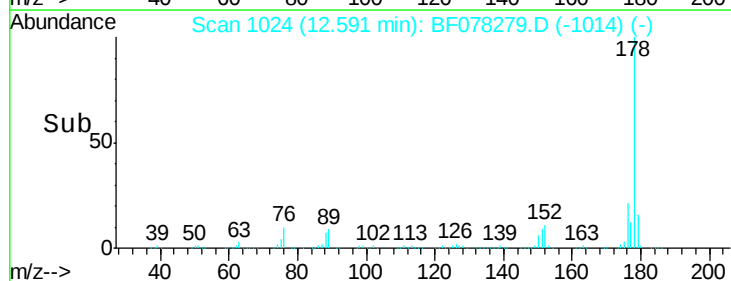
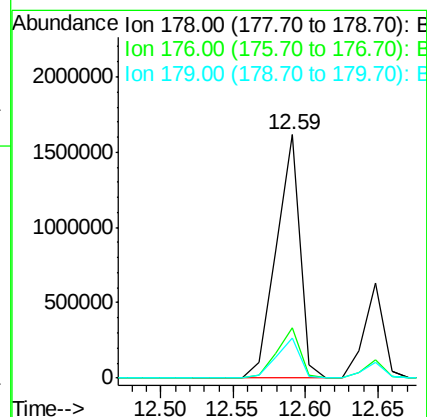
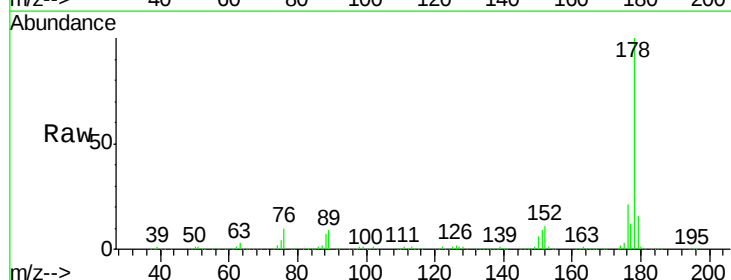
Instrument :
BNA_F
ClientSampleId :
SB-2D

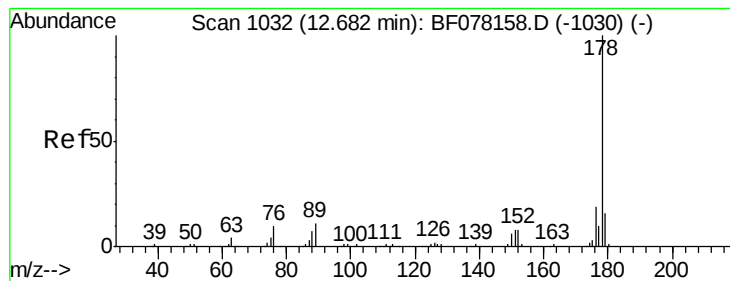
Tgt Ion:188 Resp: 158700
Ion Ratio Lower Upper
188 100
94 8.0 9.0 13.4#
80 8.6 9.5 14.3#



#70
Phenanthrene
Concen: 198.85 ng
RT: 12.59 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BF078279.D
Acq: 7 Apr 2015 3:11

Tgt Ion:178 Resp: 1825441
Ion Ratio Lower Upper
178 100
176 20.8 15.4 23.0
179 16.4 12.2 18.2





#71

Anthracene

Concen: 65.00 ng

RT: 12.65 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

Instrument :

BNA_F

ClientSampleId :

SB-2D

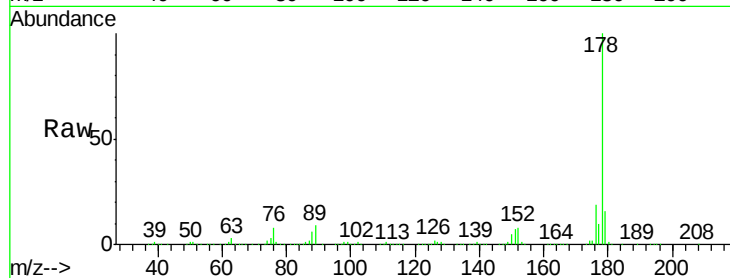
Tgt Ion:178 Resp: 587946

Ion Ratio Lower Upper

178 100

176 19.2 14.8 22.2

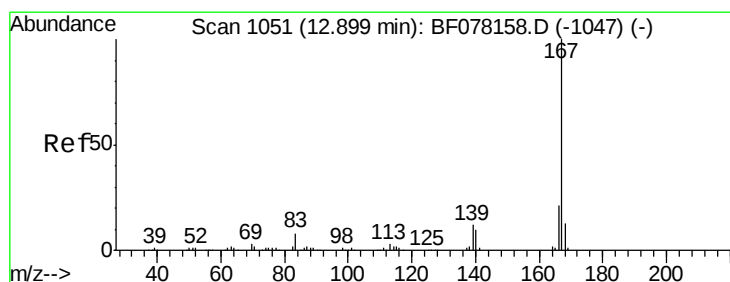
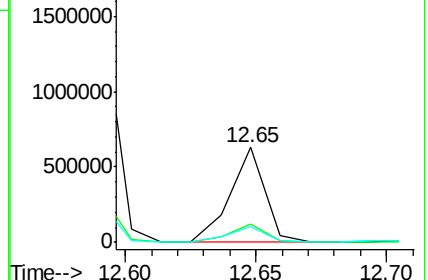
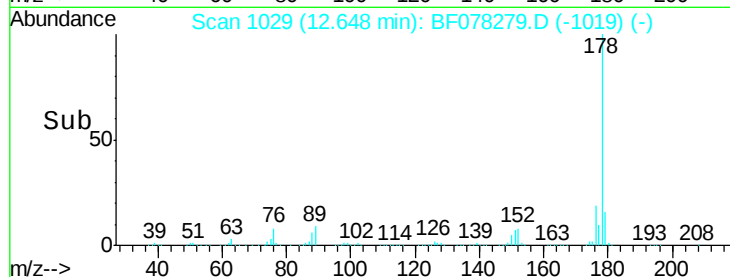
179 16.1 12.4 18.6



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



#72

Carbazole

Concen: 3.82 ng

RT: 12.85 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

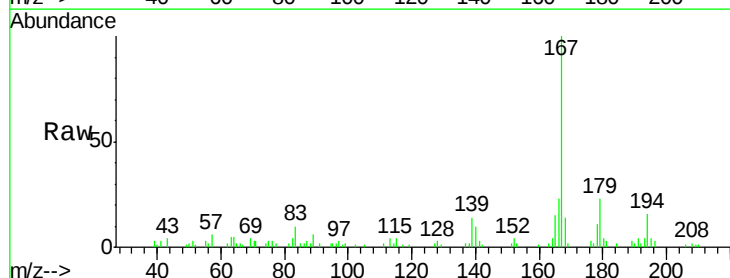
Tgt Ion:167 Resp: 32368

Ion Ratio Lower Upper

167 100

166 23.1 16.8 25.2

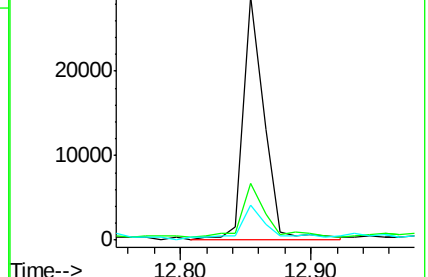
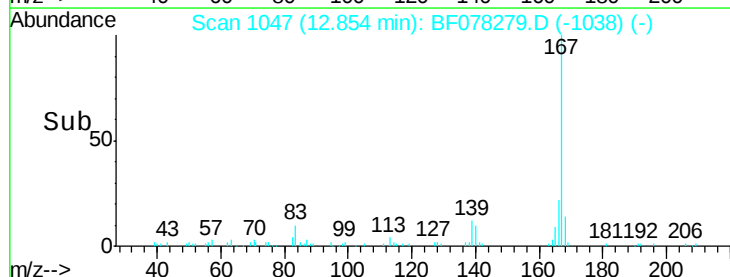
139 14.5 10.0 15.0

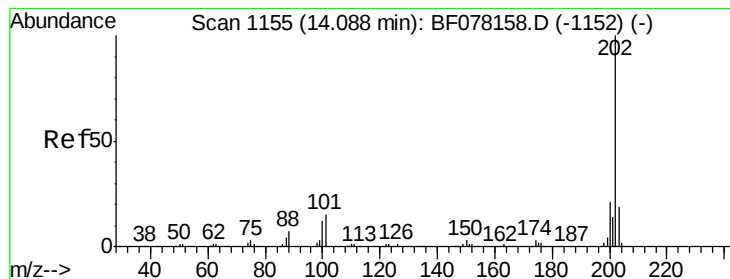


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 100.45 ng

RT: 14.05 min Scan# 1152

Delta R.T. 0.01 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

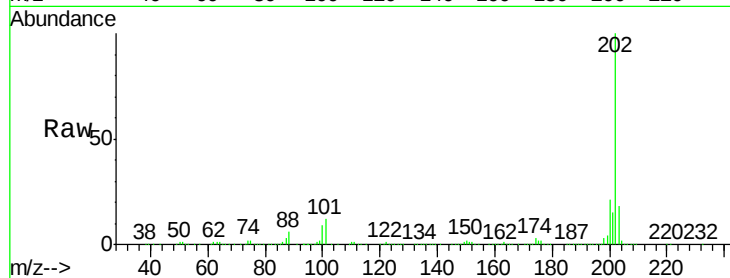
Instrument :

BNA_F

ClientSampleId :

SB-2D

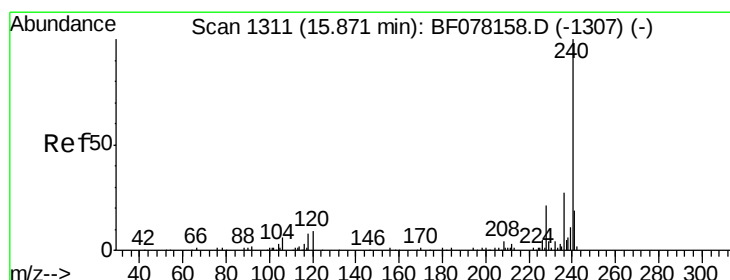
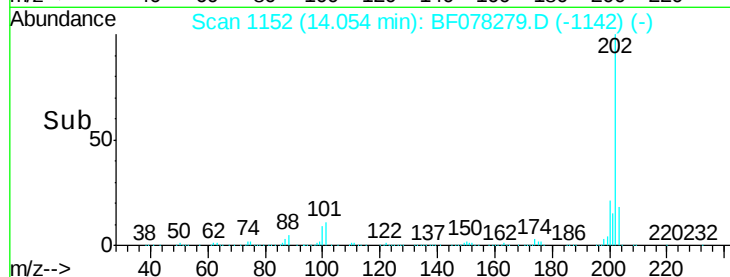
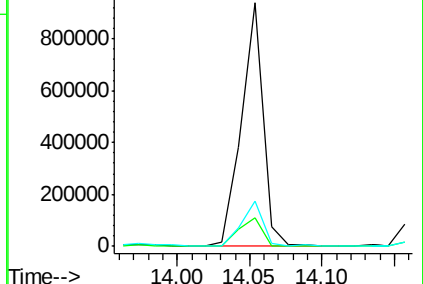
Tgt Ion:	202	Resp:	972447
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	35.2
203	18.3	0.0	38.5



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

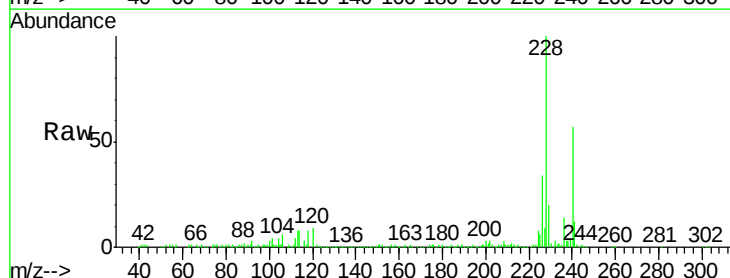
RT: 15.81 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF078279.D

Acq: 7 Apr 2015 3:11

Tgt Ion:	240	Resp:	166033
Ion Ratio	Lower	Upper	
240	100		
120	16.3	7.1	10.7#
236	24.9	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

