

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
 Data File : BF079638.D
 Acq On : 31 May 2015 17:41
 Operator : TP/IZ
 Sample : G2408-18 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-18S

Quant Time: Jun 01 04:26:47 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 04:06:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	57926	20.00	ng	0.00
21) Naphthalene-d8	8.48	136	243445	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	120717	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	235336	20.00	ng	0.00
75) Chrysene-d12	15.77	240	210988	20.00	ng	0.02
86) Perylene-d12	17.51	264	272745	20.00	ng	0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	207862	62.24	ng	0.01
7) Phenol-d6	6.50	99	275212	64.65	ng	0.00
23) Nitrobenzene-d5	7.61	82	156280	37.11	ng	0.00
41) 2,4,6-Tribromophenol	11.63	330	85622	64.58	ng	0.00
44) 2-Fluorobiphenyl	9.83	172	336783	39.80	ng	0.00
78) Terphenyl-d14	14.48	244	386431	42.98	ng	0.01

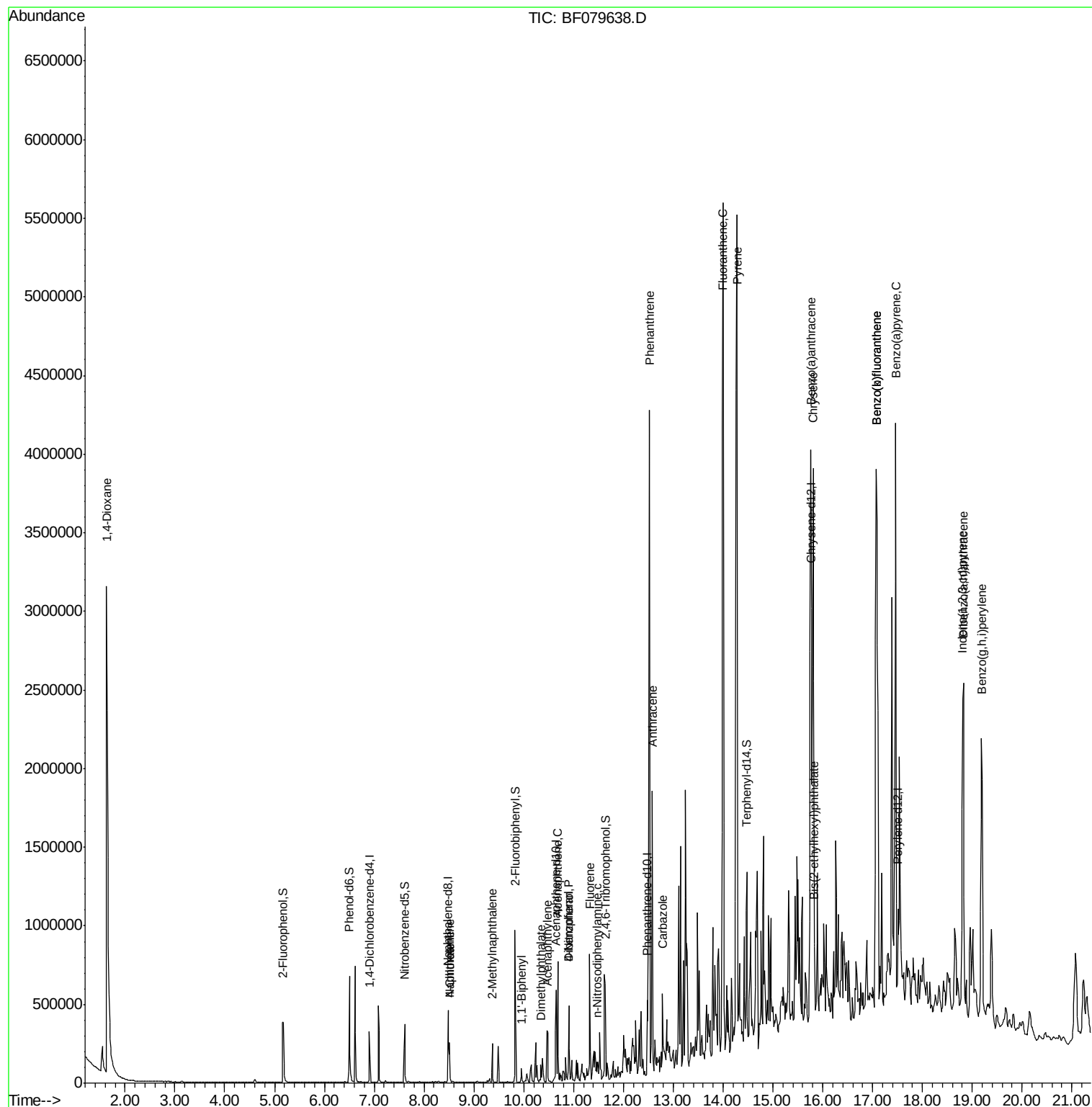
Target Compounds						Qvalue
2) 1,4-Dioxane	1.63	88	164219	103.37	ng	# 100
9) Benzaldehyde	6.38	77	839	Below Cal		# 75
31) Naphthalene	8.51	128	149966	12.84	ng	97
33) 4-Chloroaniline	8.51	127	18800	3.85	ng	# 35
37) 2-Methylnaphthalene	9.37	142	72250	8.91	ng	98
45) 1,1'-Biphenyl	9.95	154	31119	3.30	ng	98
48) Acenaphthylene	10.47	152	195690	15.83	ng	99
49) Dimethylphthalate	10.34	163	51229	5.76	ng	# 99
51) Acenaphthene	10.68	154	172844	24.45	ng	100
54) Dibenzofuran	10.90	168	174559	16.74	ng	97
55) 4-Nitrophenol	10.90	139	67208	52.43	ng	# 13
57) Fluorene	11.32	166	218616	25.44	ng	98
65) n-Nitrosodiphenylamine	11.48	169	18640	2.38	ng	# 1
70) Phenanthrene	12.53	178	2632830	203.93	ng	97
71) Anthracene	12.58	178	939841	71.70	ng	99
72) Carbazole	12.79	167	186567	14.78	ng	98
73) Di-n-butylphthalate	13.25	149	6132	Below Cal		# 1
74) Fluoranthene	14.00	202	3598889	259.94	ng	94
77) Pyrene	14.29	202	3924423	300.23	ng	96
80) Benzo(a)anthracene	15.76	228	2502745	206.20	ng	94
82) Chrysene	15.81	228	1953098	169.29	ng	94
83) Bis(2-ethylhexyl)phthalate	15.83	149	24489	2.91	ng	91
85) Indeno(1,2,3-cd)pyrene	18.81	276	1620931	109.23	ng	95
87) Benzo(b)fluoranthene	17.07	252	3801736	244.40	ng	# 95
88) Benzo(k)fluoranthene	17.07	252	3801736	273.30	ng	# 93
89) Benzo(a)pyrene	17.46	252	2232643	168.98	ng	95
90) Dibenzo(a,h)anthracene	18.82	278	480819	33.30	ng	# 90
91) Benzo(g,h,i)perylene	19.19	276	1613430	103.52	ng	99

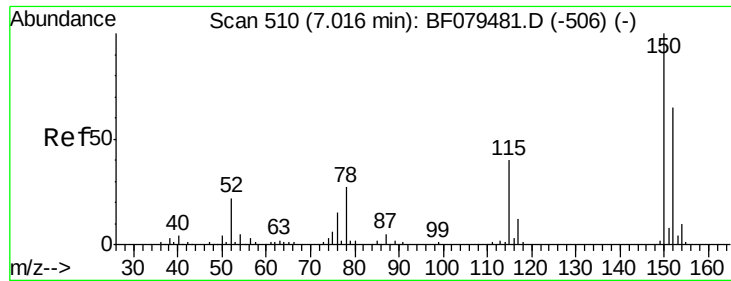
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079638.D
Acq On : 31 May 2015 17:41
Operator : TP/IZ
Sample : G2408-18 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-18S

Quant Time: Jun 01 04:26:47 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 01 04:06:42 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

Instrument :

BNA_F

ClientSampled :

SB-18S

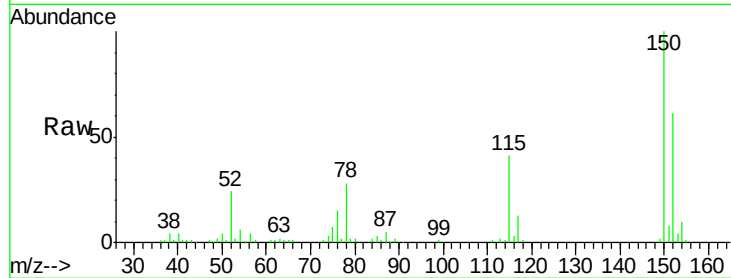
Tgt Ion:152 Resp: 57926

Ion Ratio Lower Upper

152 100

150 163.0 124.0 186.0

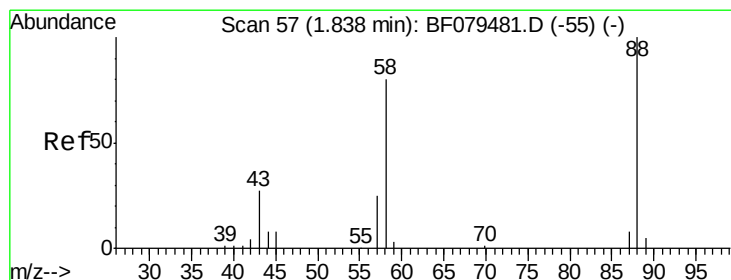
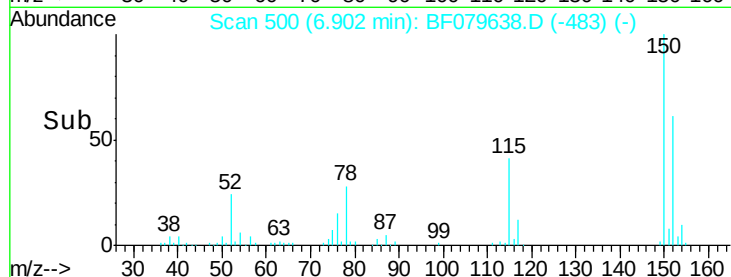
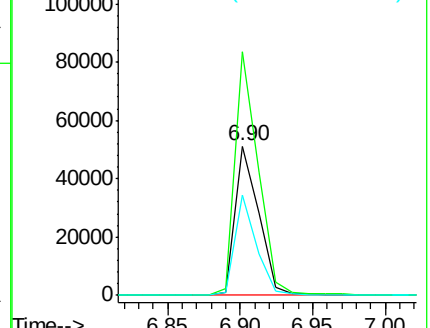
115 67.4 49.6 74.4



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: 103.37 ng

RT: 1.63 min Scan# 39

Delta R.T. -0.06 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

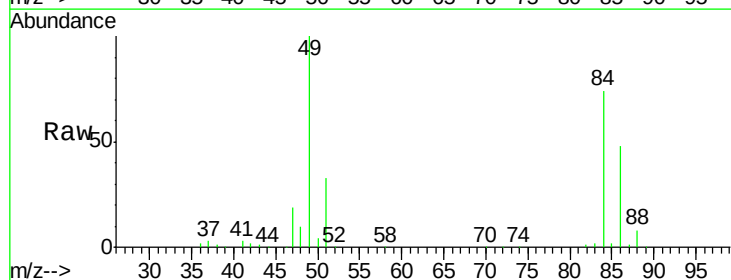
Tgt Ion: 88 Resp: 164219

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

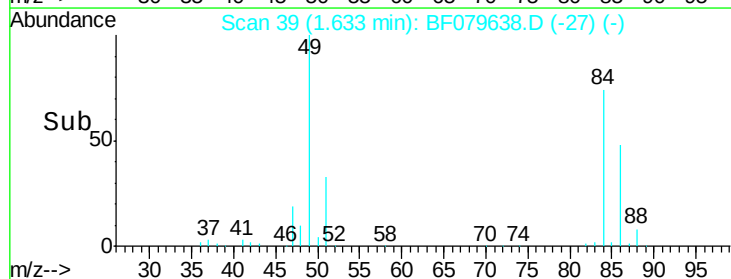
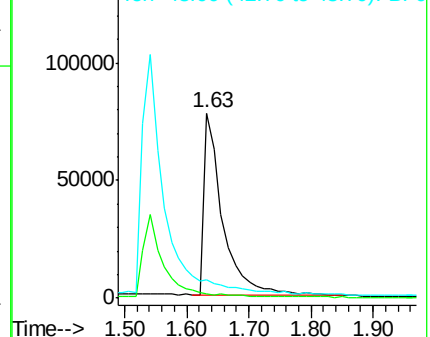
43 0.0 0.0 0.0

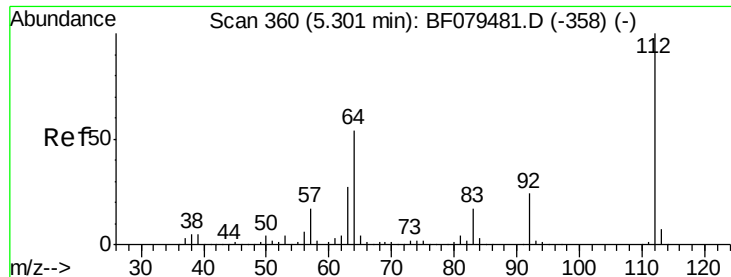


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 62.24 ng

RT: 5.18 min Scan# 349

Delta R.T. 0.01 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

Instrument :

BNA_F

ClientSampleId :

SB-18S

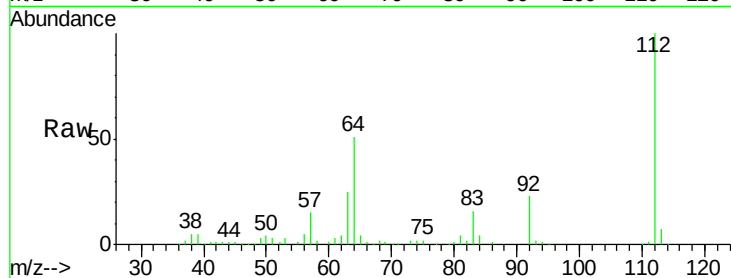
Tgt Ion: 112 Resp: 207862

Ion Ratio Lower Upper

112 100

64 51.3 43.5 65.3

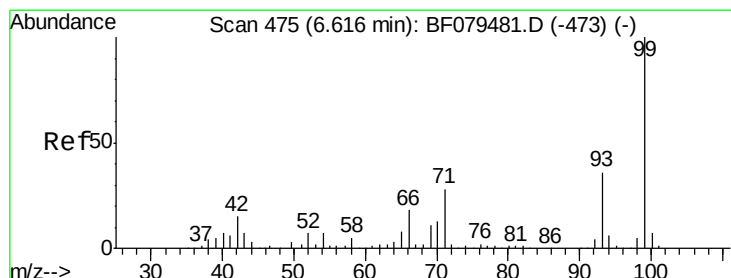
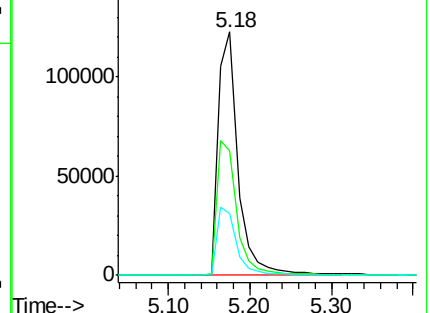
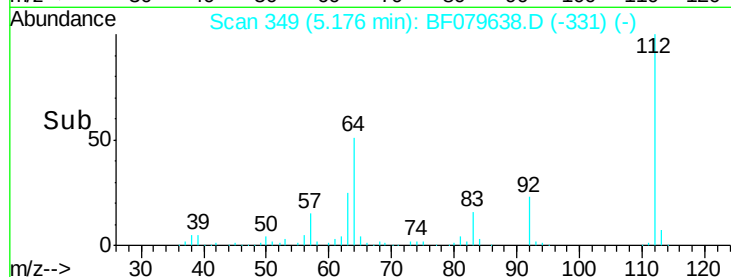
63 25.3 21.8 32.8



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: 64.65 ng

RT: 6.50 min Scan# 465

Delta R.T. -0.00 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

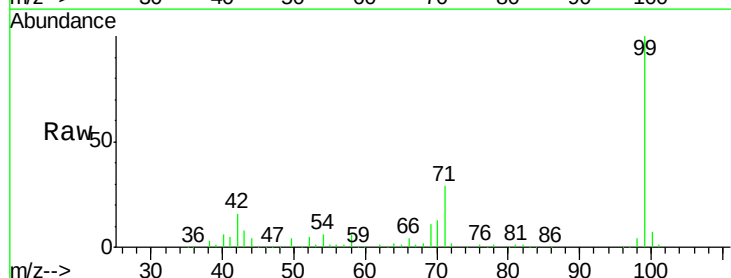
Tgt Ion: 99 Resp: 275212

Ion Ratio Lower Upper

99 100

42 15.7 11.9 17.9

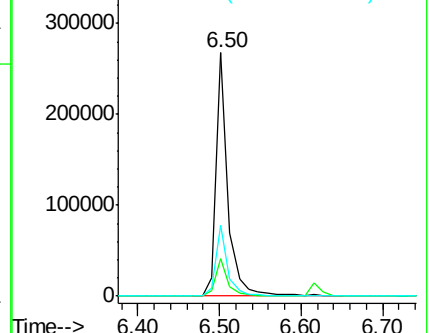
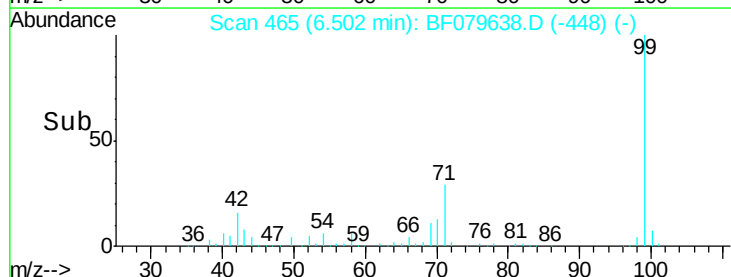
71 29.1 22.1 33.1

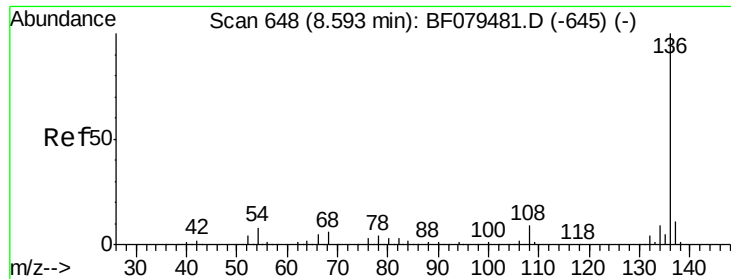


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

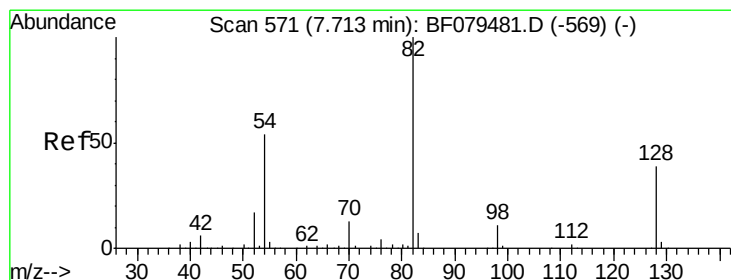
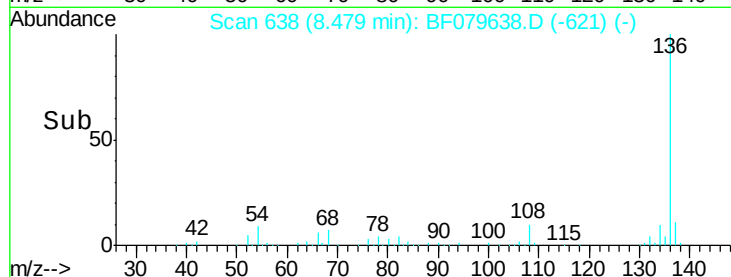
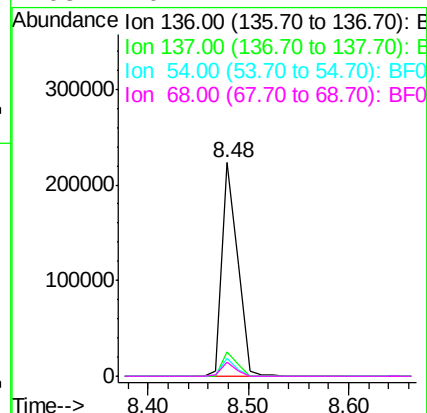
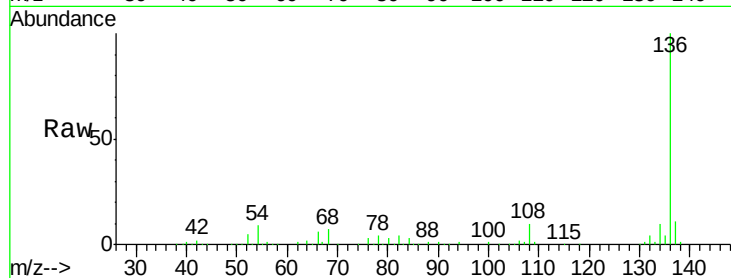




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.48 min Scan# 638
Delta R.T. -0.00 min
Lab File: BF079638.D
Acq: 31 May 2015 17:41

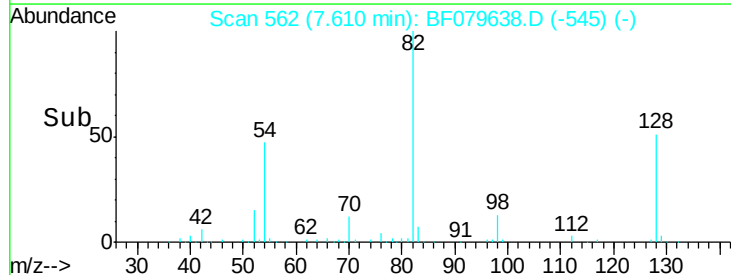
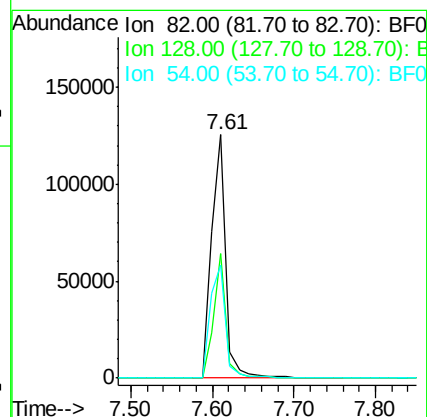
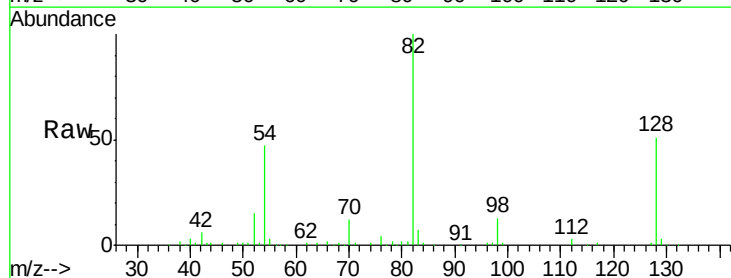
Instrument :
BNA_F
ClientSampleId :
SB-18S

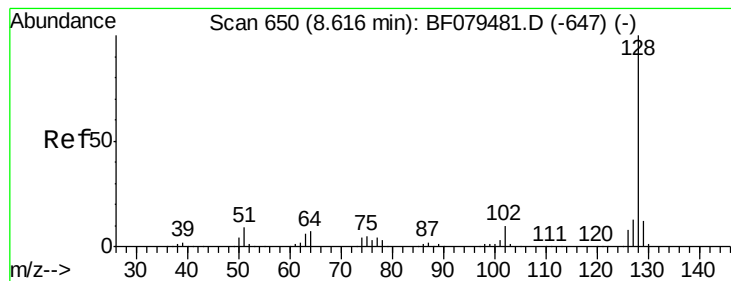
Tgt Ion: 136 Resp: 243445
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 8.6 6.6 9.8
68 6.7 4.7 7.1



#23
Nitrobenzene-d5
Concen: 37.11 ng
RT: 7.61 min Scan# 562
Delta R.T. -0.00 min
Lab File: BF079638.D
Acq: 31 May 2015 17:41

Tgt Ion: 82 Resp: 156280
Ion Ratio Lower Upper
82 100
128 51.4 30.8 46.2#
54 46.6 42.8 64.2





#31

Naphthalene

Concen: 12.84 ng

RT: 8.51 min Scan# 641

Delta R.T. -0.00 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

Instrument :

BNA_F

ClientSampleId :

SB-18S

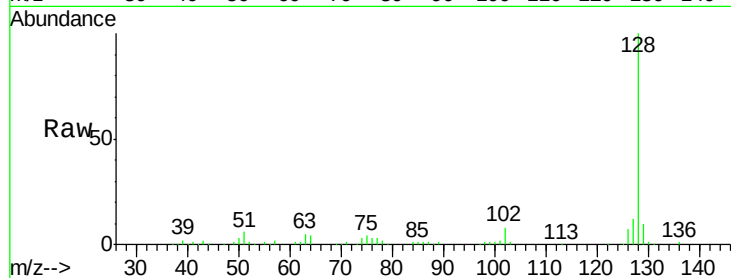
Tgt Ion:128 Resp: 149966

Ion Ratio Lower Upper

128 100

129 10.2 9.3 13.9

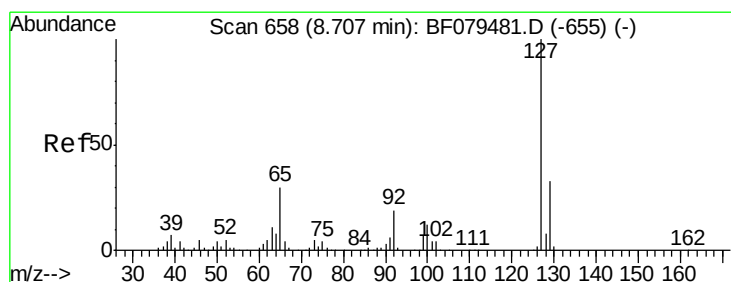
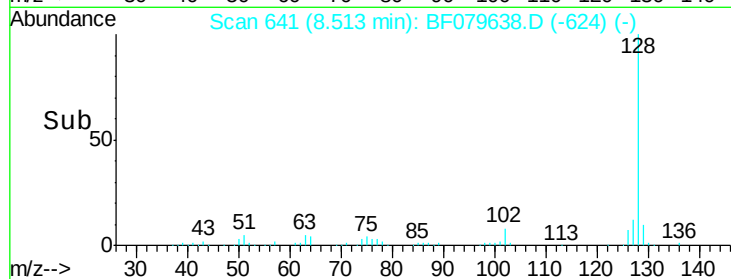
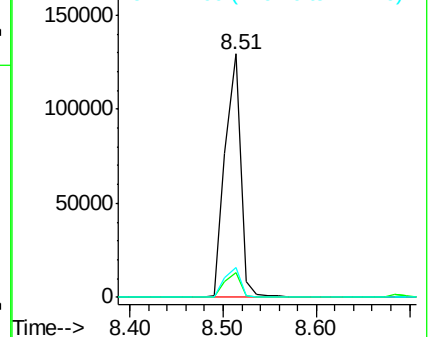
127 12.5 10.6 15.8



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



#33

4-Chloroaniline

Concen: 3.85 ng

RT: 8.51 min Scan# 641

Delta R.T. -0.09 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

Tgt Ion:127 Resp: 18800

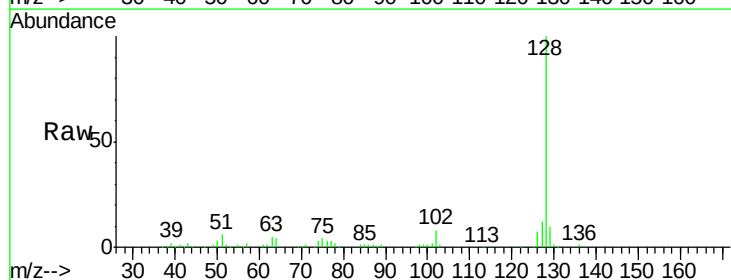
Ion Ratio Lower Upper

127 100

129 82.0 26.2 39.2#

65 0.0 24.2 36.4#

92 0.0 15.4 23.0#

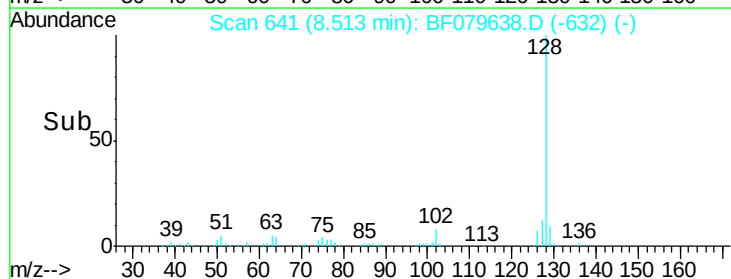
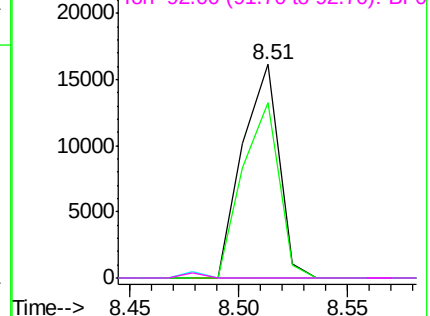


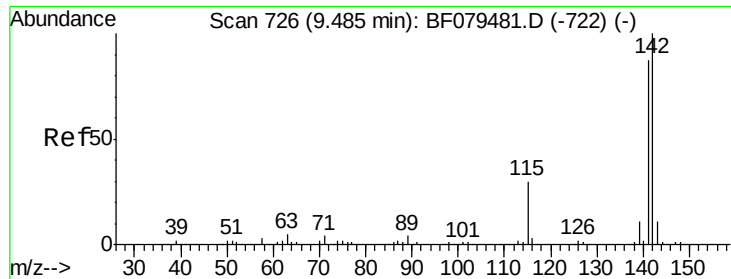
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

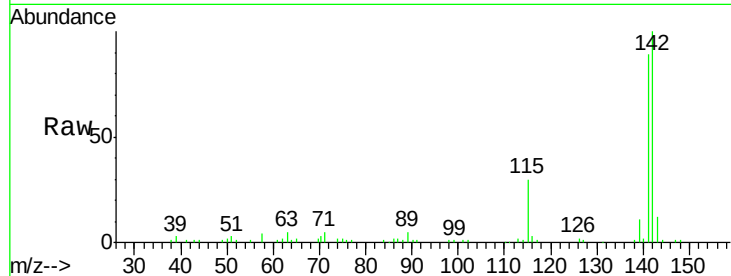




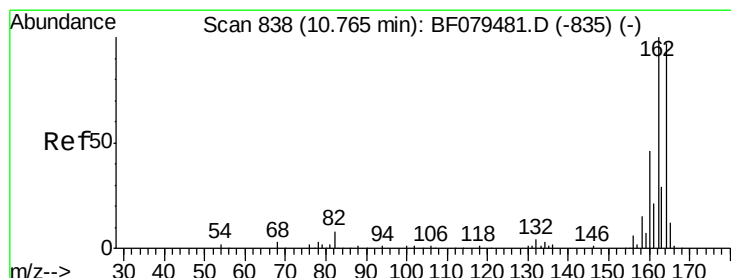
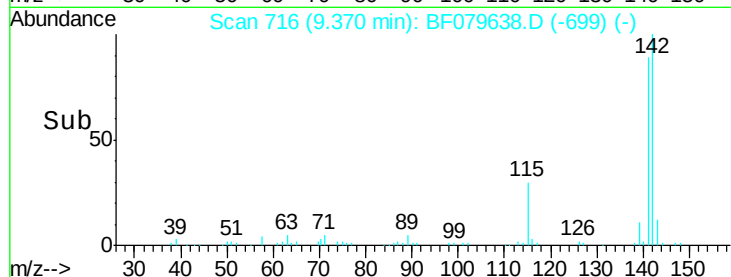
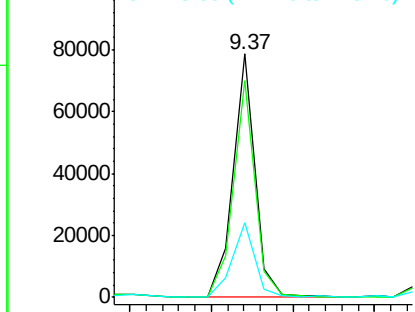
#37
 2-Methylnaphthalene
 Concen: 8.91 ng
 RT: 9.37 min Scan# 716
 Delta R.T. -0.00 min
 Lab File: BF079638.D
 Acq: 31 May 2015 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-18S

Tgt Ion:142 Resp: 72250
 Ion Ratio Lower Upper
 142 100
 141 88.8 69.5 104.3
 115 30.5 23.8 35.6

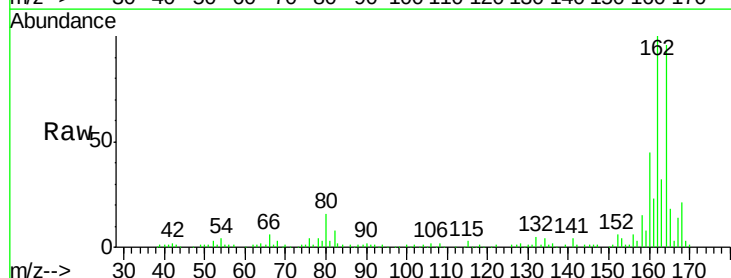


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

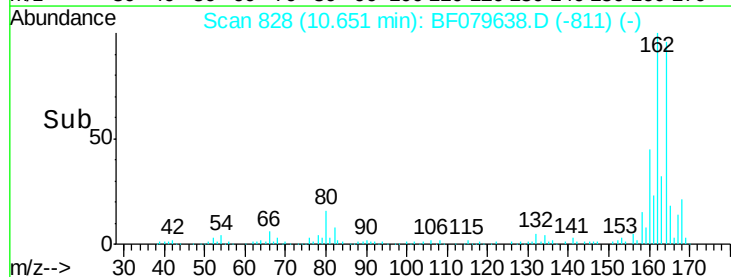
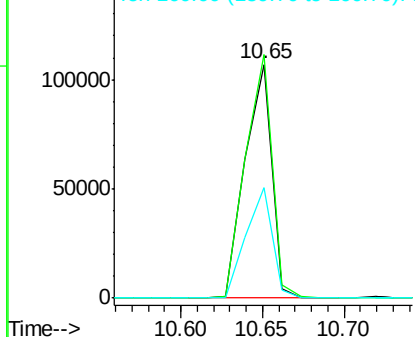


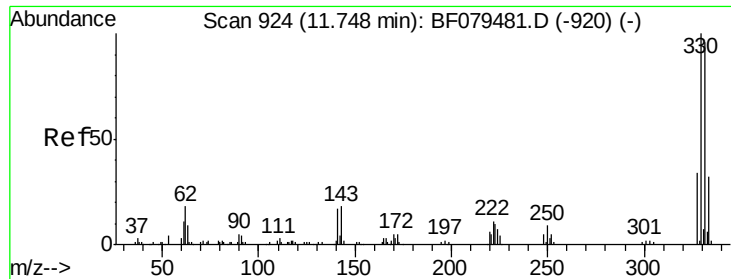
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.65 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BF079638.D
 Acq: 31 May 2015 17:41

Tgt Ion:164 Resp: 120717
 Ion Ratio Lower Upper
 164 100
 162 104.2 82.6 124.0
 160 47.2 37.7 56.5



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

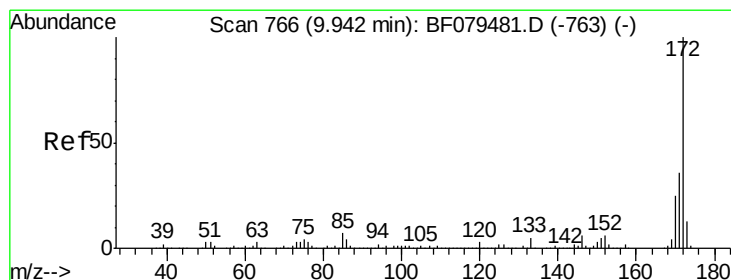
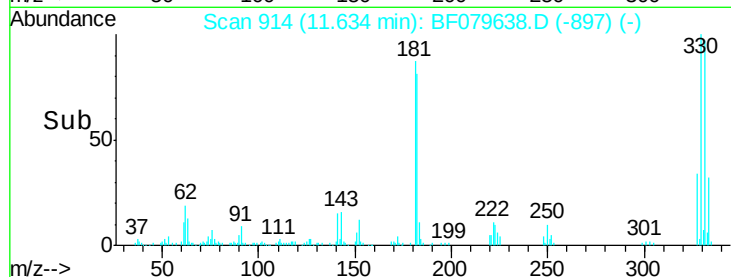
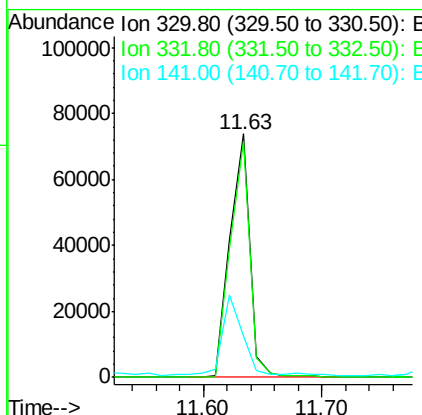
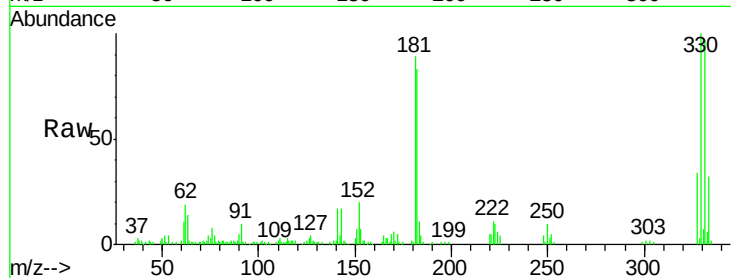




#41
 2,4,6-Tribromophenol
 Concen: 64.58 ng
 RT: 11.63 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: BF079638.D
 Acq: 31 May 2015 17:41

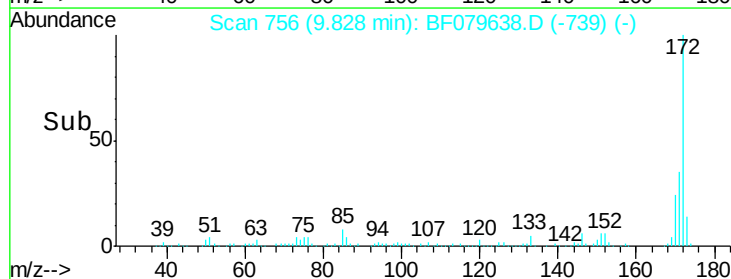
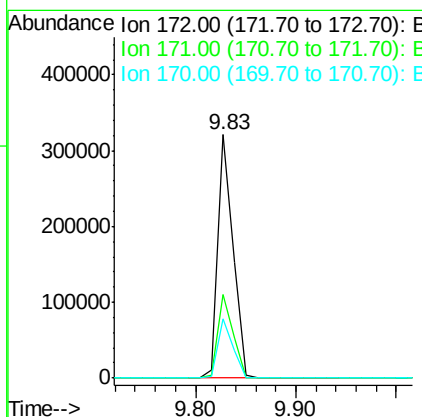
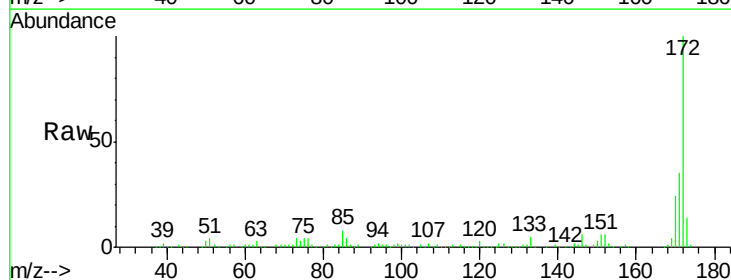
Instrument :
 BNA_F
 ClientSampleID :
 SB-18S

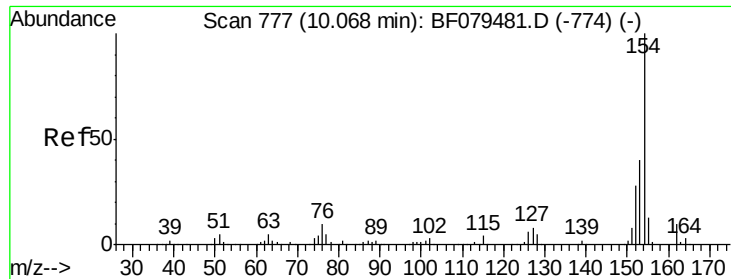
Tgt Ion:330 Resp: 85622
 Ion Ratio Lower Upper
 330 100
 332 95.6 0.0 0.0#
 141 34.7 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 39.80 ng
 RT: 9.83 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BF079638.D
 Acq: 31 May 2015 17:41

Tgt Ion:172 Resp: 336783
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.5 42.7
 170 24.4 19.7 29.5





#45

1,1'-Biphenyl

Concen: 3.30 ng

RT: 9.95 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

Instrument :

BNA_F

ClientSampleId :

SB-18S

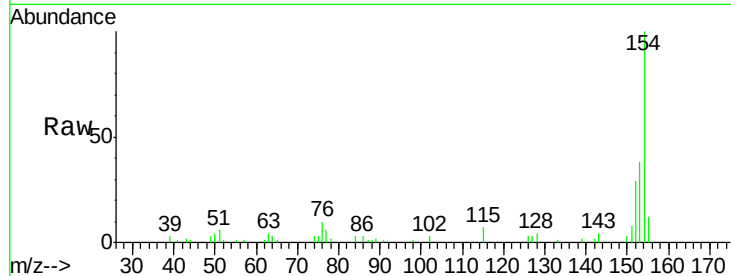
Tgt Ion:154 Resp: 31119

Ion Ratio Lower Upper

154 100

153 38.3 19.5 59.5

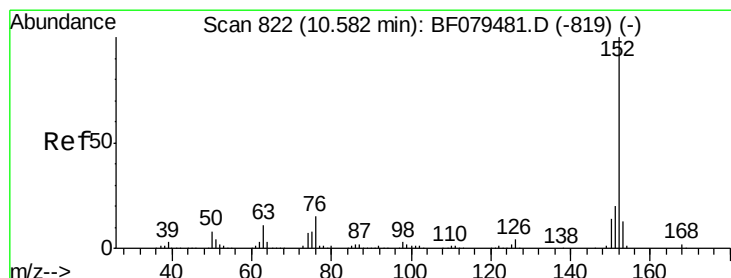
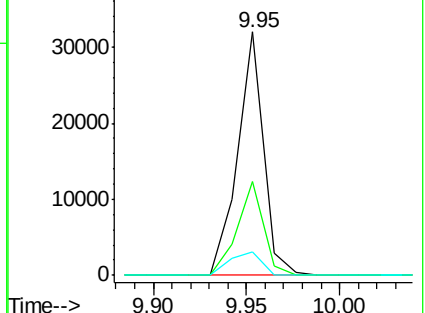
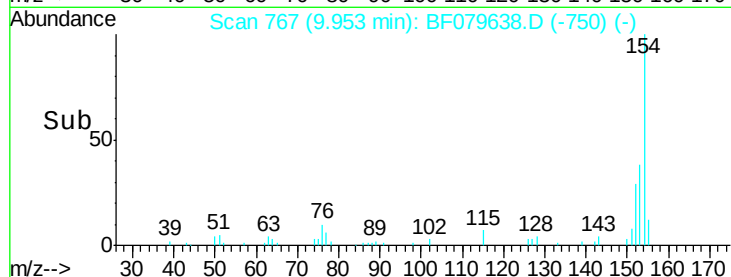
76 9.6 0.0 29.6



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: 15.83 ng

RT: 10.47 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

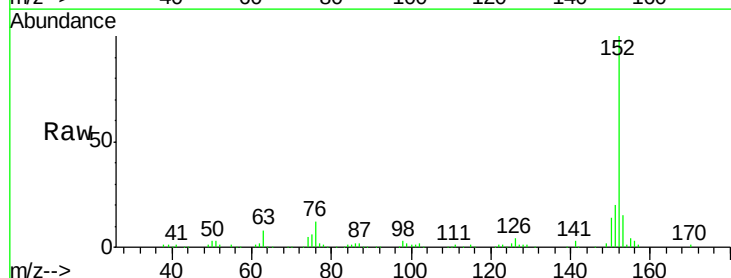
Tgt Ion:152 Resp: 195690

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

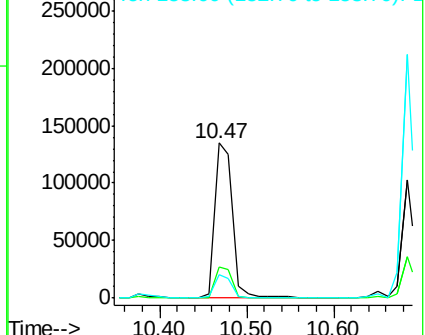
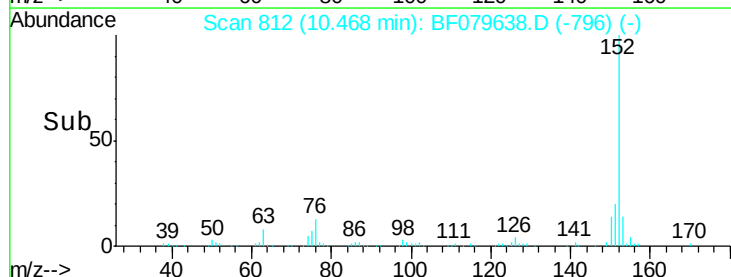
153 14.8 10.7 16.1

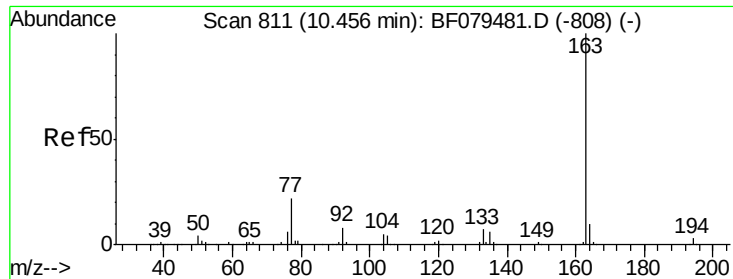


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

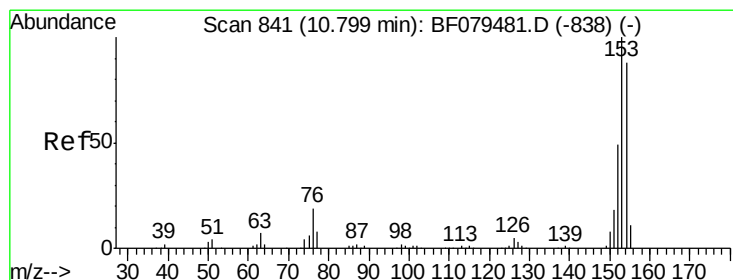
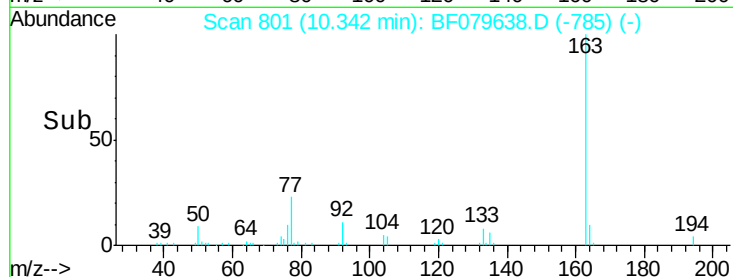
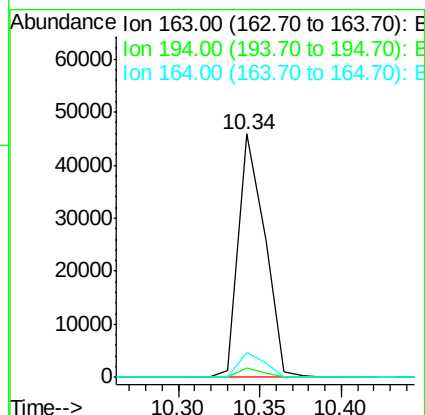
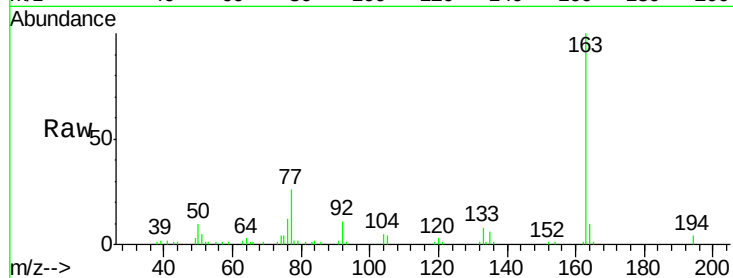




#49
Dimethylphthalate
Concen: 5.76 ng
RT: 10.34 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF079638.D
Acq: 31 May 2015 17:41

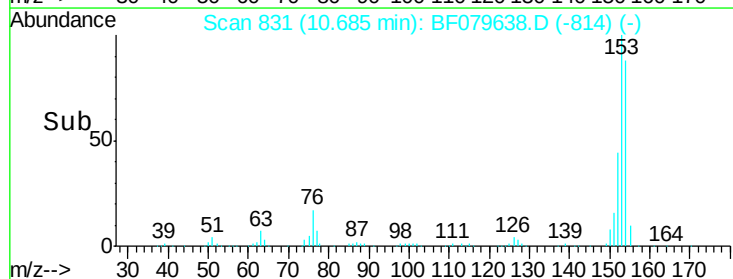
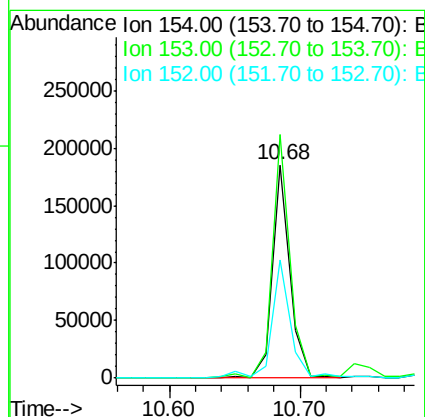
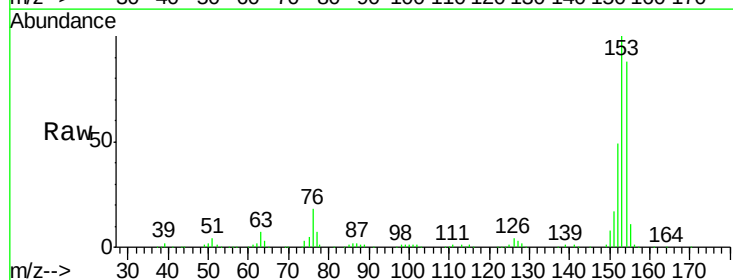
Instrument :
BNA_F
ClientSampleId :
SB-18S

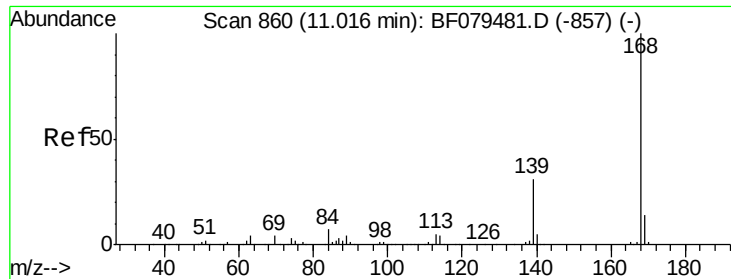
Tgt Ion:163 Resp: 51229
Ion Ratio Lower Upper
163 100
194 3.7 2.4 3.6#
164 10.0 8.2 12.4



#51
Acenaphthene
Concen: 24.45 ng
RT: 10.68 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF079638.D
Acq: 31 May 2015 17:41

Tgt Ion:154 Resp: 172844
Ion Ratio Lower Upper
154 100
153 114.0 91.1 136.7
152 55.6 44.6 66.8





#54

Dibenzofuran

Concen: 16.74 ng

RT: 10.90 min Scan# 850

Delta R.T. -0.00 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

Instrument :

BNA_F

ClientSampleId :

SB-18S

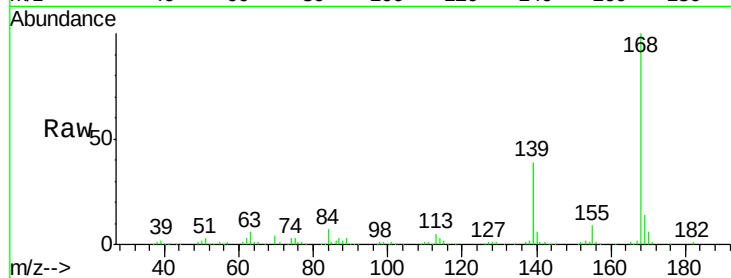
Tgt Ion:168 Resp: 174559

Ion Ratio Lower Upper

168 100

139 38.8 32.9 49.3

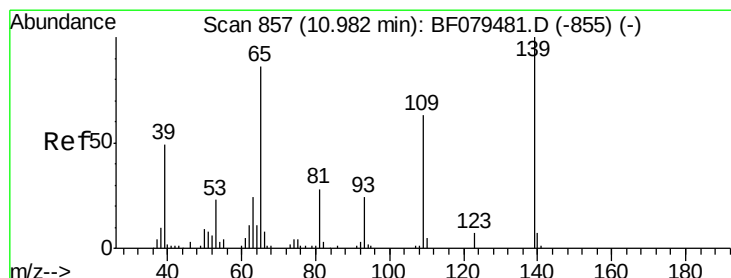
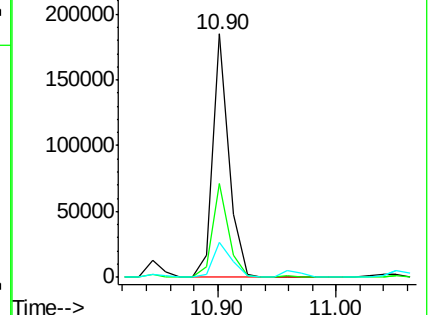
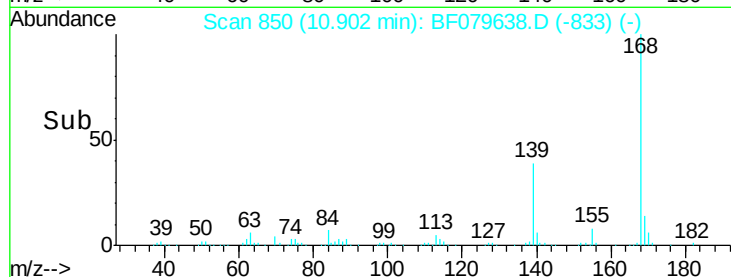
169 14.2 11.1 16.7



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: 52.43 ng

RT: 10.90 min Scan# 850

Delta R.T. 0.03 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

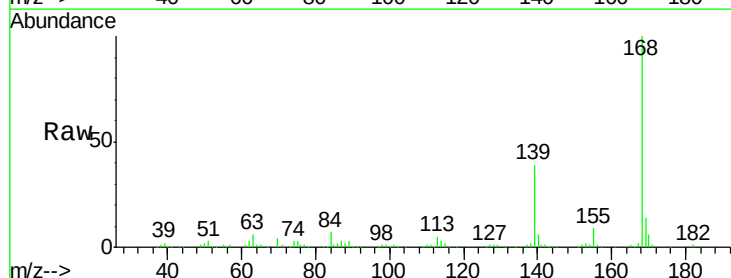
Tgt Ion:139 Resp: 67208

Ion Ratio Lower Upper

139 100

109 0.9 42.8 82.8#

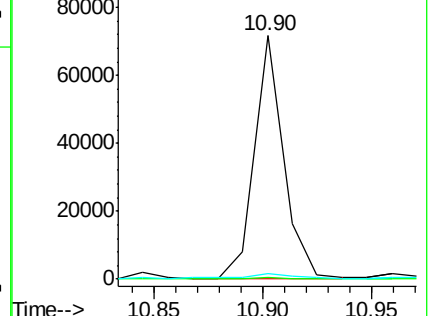
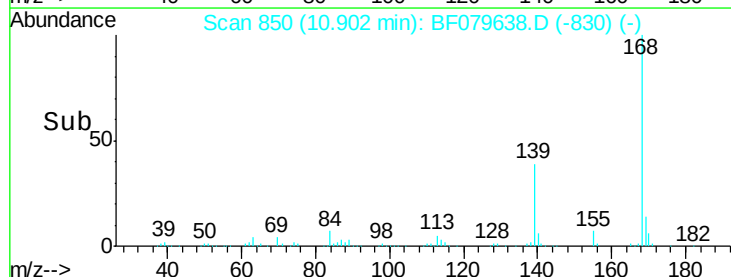
65 2.1 66.3 106.3#

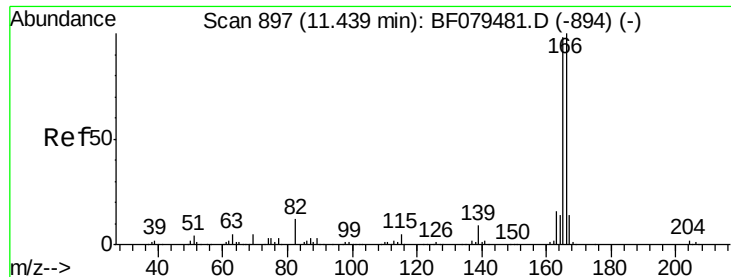


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

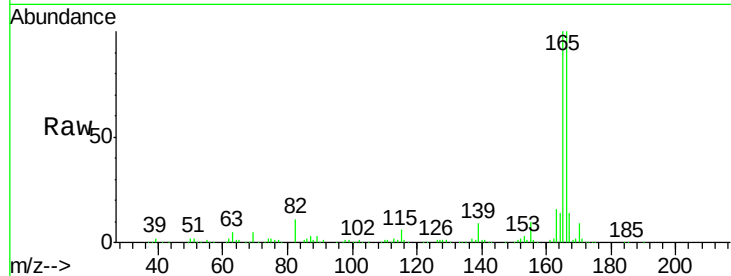




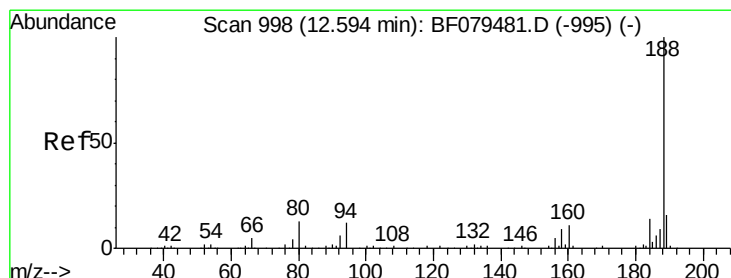
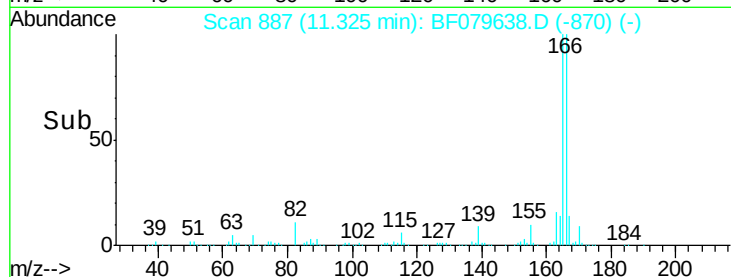
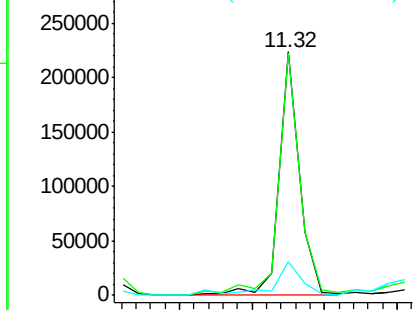
#57
 Fluorene
 Concen: 25.44 ng
 RT: 11.32 min Scan# 887
 Delta R.T. -0.00 min
 Lab File: BF079638.D
 Acq: 31 May 2015 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-18S

Tgt Ion:166 Resp: 218616
 Ion Ratio Lower Upper
 166 100
 165 99.8 78.6 117.8
 167 14.0 10.8 16.2

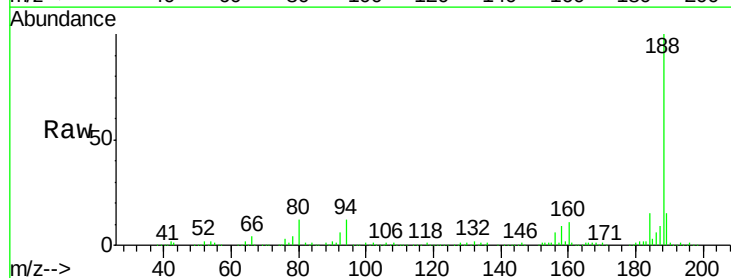


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

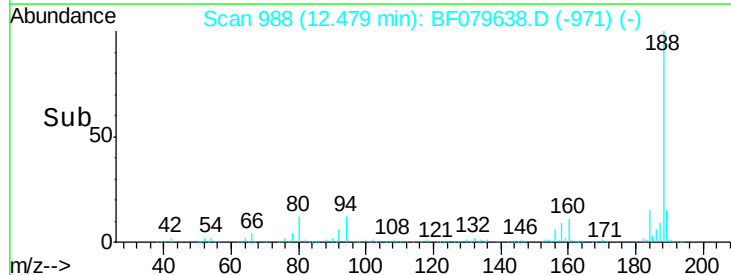
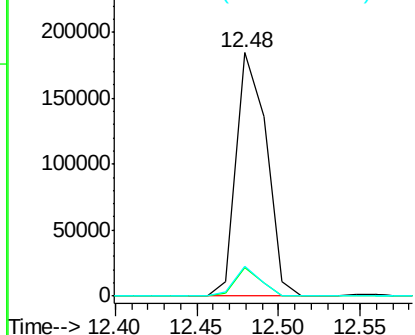


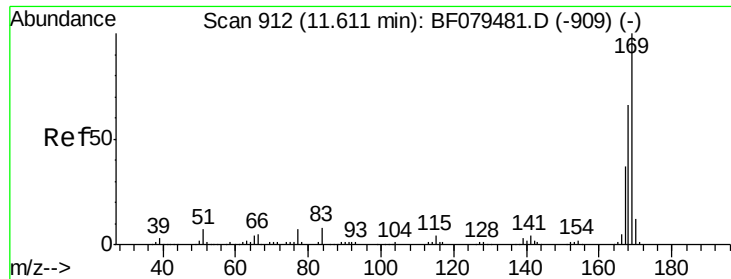
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.48 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: BF079638.D
 Acq: 31 May 2015 17:41

Tgt Ion:188 Resp: 235336
 Ion Ratio Lower Upper
 188 100
 94 11.8 9.8 14.6
 80 12.4 10.5 15.7



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

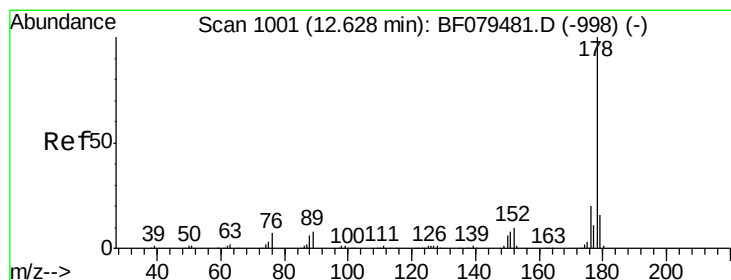
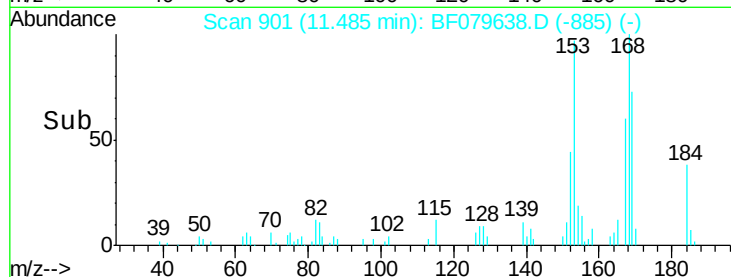
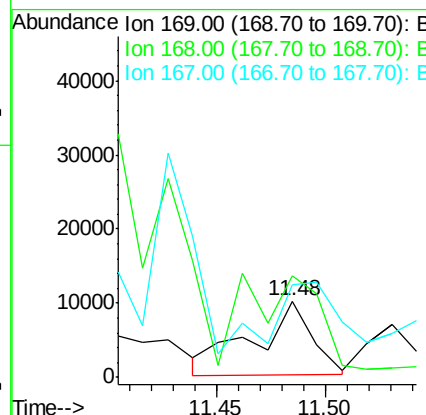
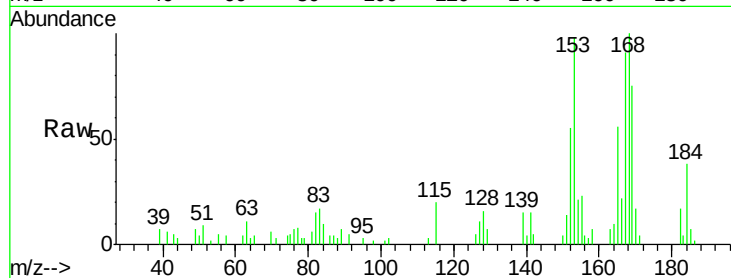




#65
n-Nitrosodiphenylamine
Concen: 2.38 ng
RT: 11.48 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF079638.D
Acq: 31 May 2015 17:41

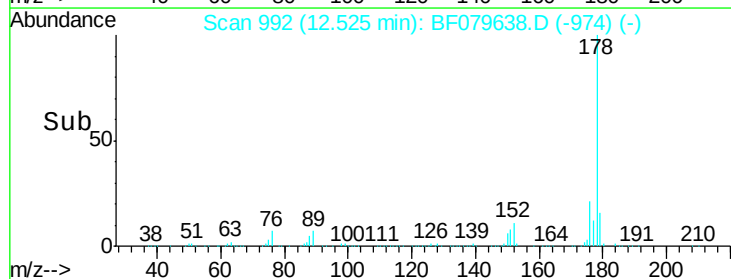
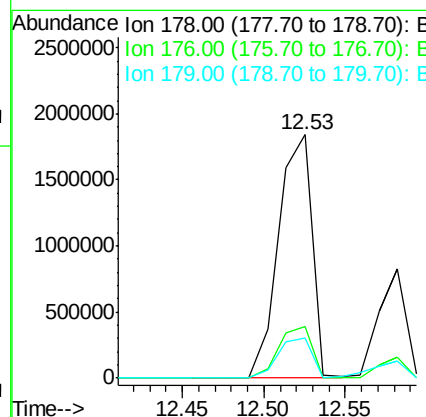
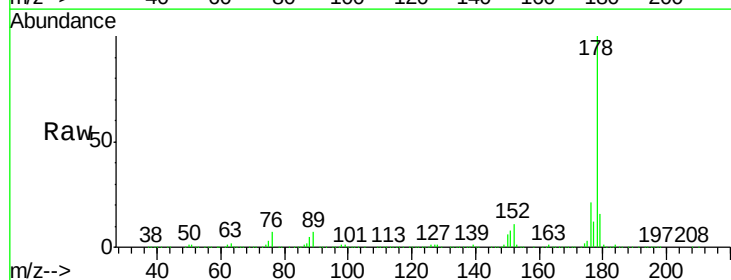
Instrument :
BNA_F
ClientSampled :
SB-18S

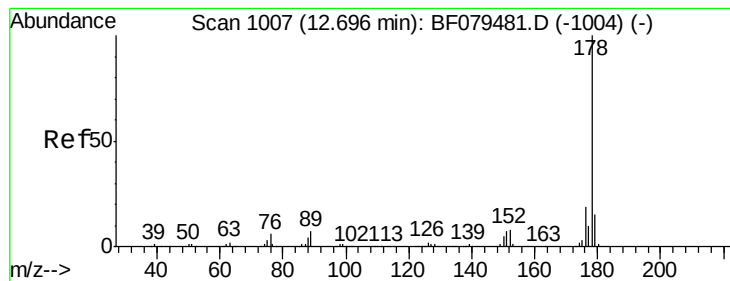
Tgt Ion:169 Resp: 18640
Ion Ratio Lower Upper
169 100
168 134.1 53.1 79.7#
167 121.7 29.9 44.9#



#70
Phenanthrene
Concen: 203.93 ng
RT: 12.53 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF079638.D
Acq: 31 May 2015 17:41

Tgt Ion:178 Resp: 2632830
Ion Ratio Lower Upper
178 100
176 21.4 15.7 23.5
179 16.4 12.4 18.6





#71

Anthracene

Concen: 71.70 ng

RT: 12.58 min Scan# 997

Delta R.T. 0.01 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

Instrument :

BNA_F

ClientSampled :

SB-18S

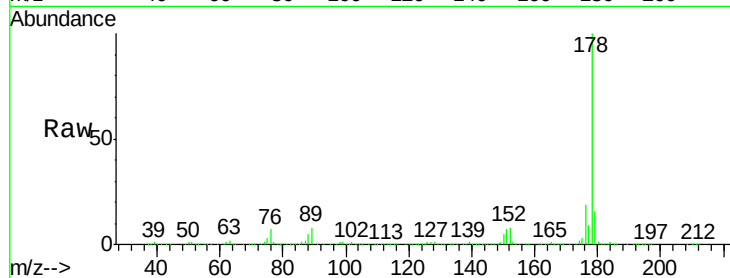
Tgt Ion:178 Resp: 939841

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

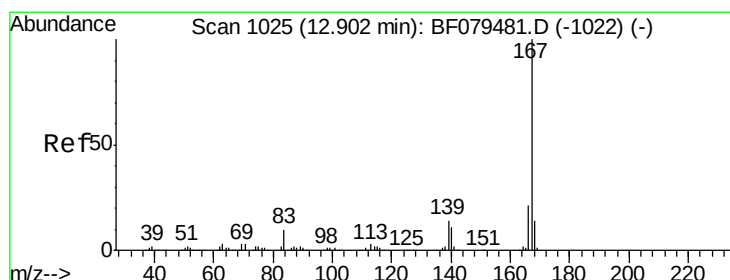
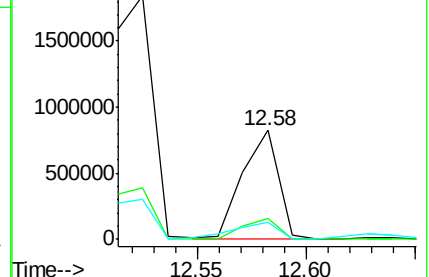
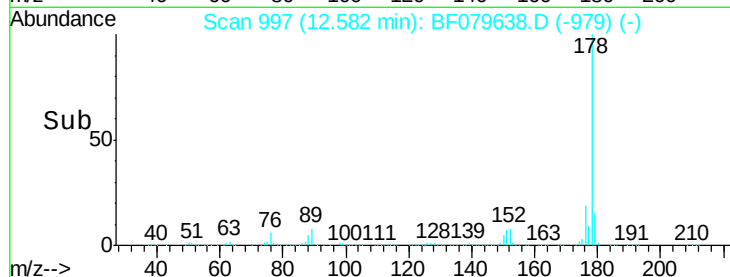
179 15.6 12.2 18.4



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: 14.78 ng

RT: 12.79 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

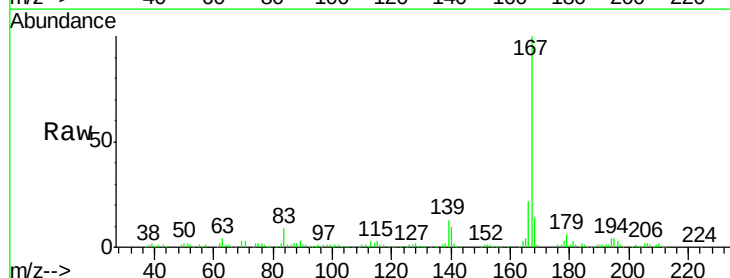
Tgt Ion:167 Resp: 186567

Ion Ratio Lower Upper

167 100

166 22.0 17.0 25.4

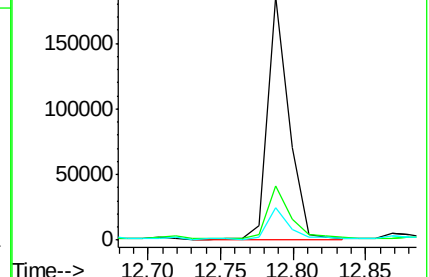
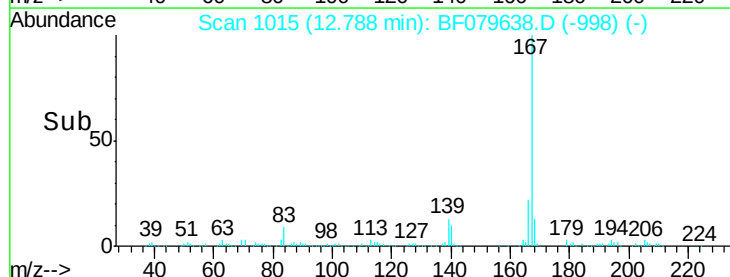
139 13.4 11.2 16.8

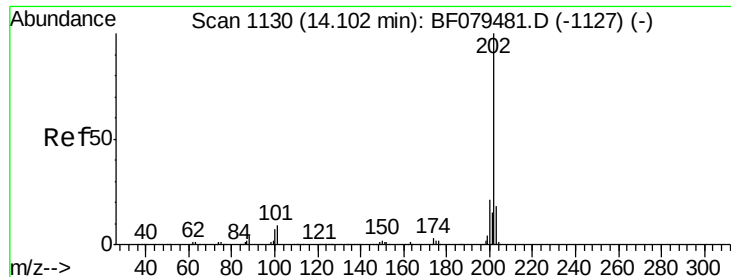


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 259.94 ng

RT: 14.00 min Scan# 1121

Delta R.T. 0.02 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

Instrument :

BNA_F

ClientSampleId :

SB-18S

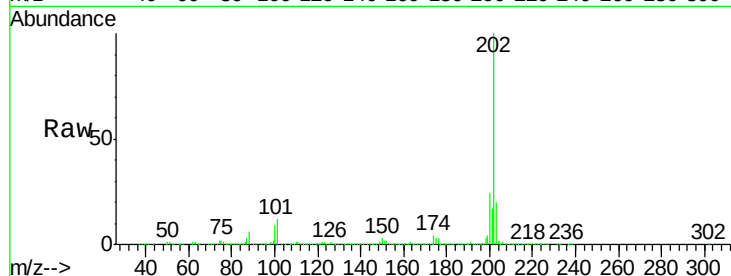
Tgt Ion:202 Resp: 3598889

Ion Ratio Lower Upper

202 100

101 12.3 0.0 29.3

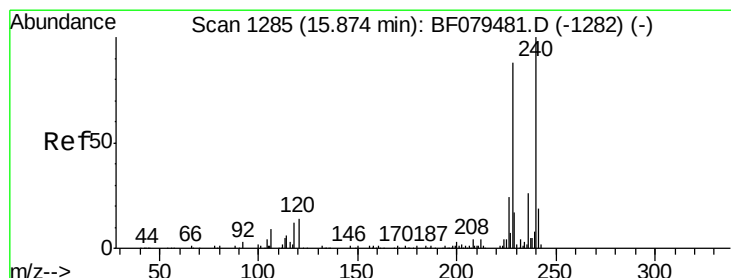
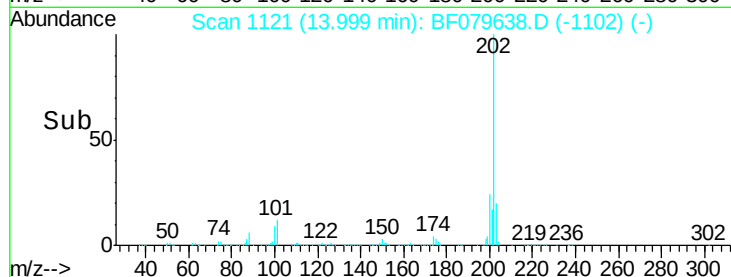
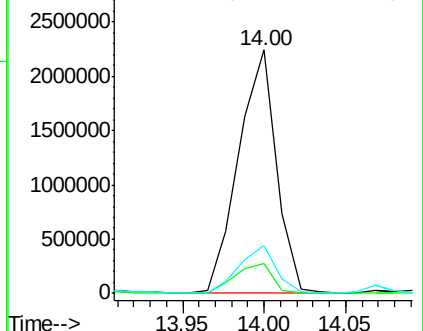
203 19.9 0.0 37.6



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: 15.77 min Scan# 1276

Delta R.T. 0.02 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

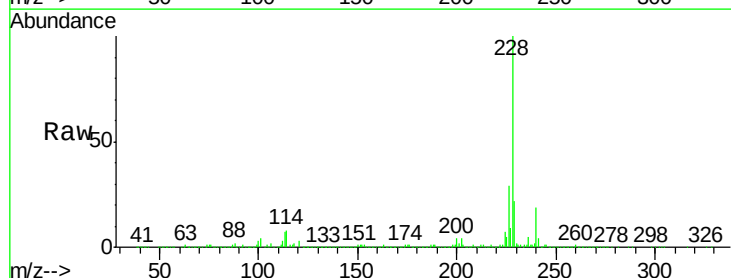
Tgt Ion:240 Resp: 210988

Ion Ratio Lower Upper

240 100

120 15.7 10.8 16.2

236 27.4 21.0 31.6



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

