

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040615\
 Data File : BF078278.D
 Acq On : 7 Apr 2015 2:43
 Operator : TP/IZ
 Sample : G1745-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1D

Quant Time: Apr 07 03:35:03 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

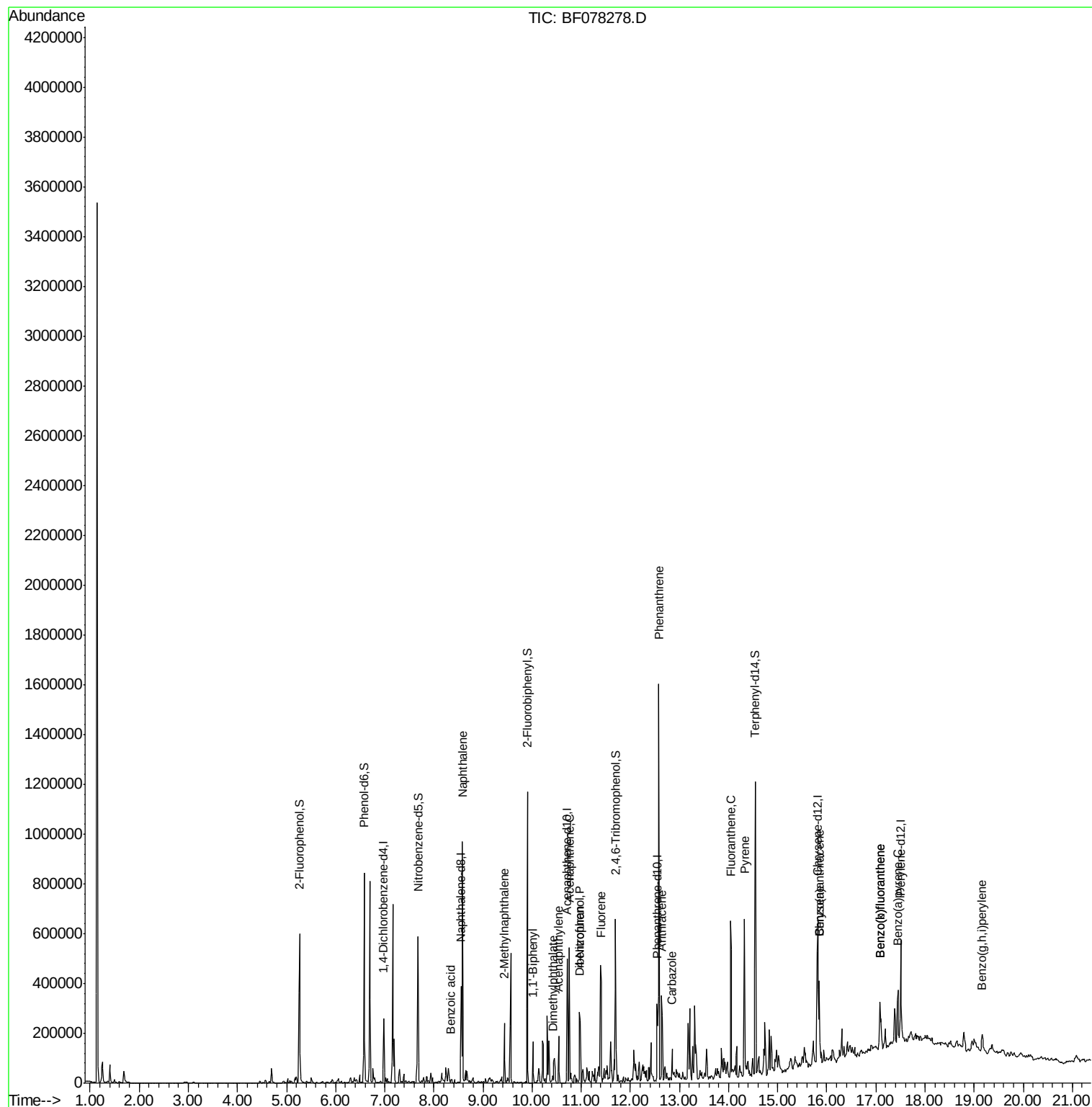
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	41379	20.00	ng	0.00
21) Naphthalene-d8	8.56	136	169250	20.00	ng	0.00
38) Acenaphthene-d10	10.72	164	84189	20.00	ng	0.00
63) Phenanthrene-d10	12.55	188	157978	20.00	ng	0.00
75) Chrysene-d12	15.81	240	171107	20.00	ng	0.00
86) Perylene-d12	17.51	264	176554	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	234982	93.63	ng	0.01
7) Phenol-d6	6.58	99	304864	96.93	ng	0.00
23) Nitrobenzene-d5	7.68	82	175455	62.84	ng	0.00
41) 2,4,6-Tribromophenol	11.70	330	67868	97.20	ng	0.00
44) 2-Fluorobiphenyl	9.90	172	372949	63.32	ng	0.00
78) Terphenyl-d14	14.55	244	413620	54.62	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.58	128	451077	51.21	ng	99
32) Benzoic acid	8.35	122	2576	7.66	ng	# 61
37) 2-Methylnaphthalene	9.44	142	70973	11.87	ng	96
45) 1,1'-Biphenyl	10.02	154	54564	7.92	ng	97
48) Acenaphthylene	10.55	152	53693	6.14	ng	# 95
49) Dimethylphthalate	10.42	163	17130	2.71	ng	97
51) Acenaphthene	10.76	154	160387	32.56	ng	99
54) Dibenzofuran	10.98	168	148978	19.80	ng	91
55) 4-Nitrophenol	10.97	139	53573	50.24	ng	# 21
57) Fluorene	11.40	166	207139	33.96	ng	100
70) Phenanthrene	12.58	178	637798	69.79	ng	99
71) Anthracene	12.64	178	181673	20.18	ng	97
72) Carbazole	12.85	167	48785	5.78	ng	95
74) Fluoranthene	14.04	202	360904	37.45	ng	99
77) Pyrene	14.33	202	341297	31.77	ng	99
80) Benzo(a)anthracene	15.85	228	95719	9.40	ng	93
82) Chrysene	15.85	228	135878	14.21	ng	98
87) Benzo(b)fluoranthene	17.08	252	182795	16.75	ng	# 94
88) Benzo(k)fluoranthene	17.08	252	183498	18.92	ng	98
89) Benzo(a)pyrene	17.45	252	117944	12.39	ng	97
91) Benzo(g,h,i)perylene	19.16	276	46115	4.82	ng	98

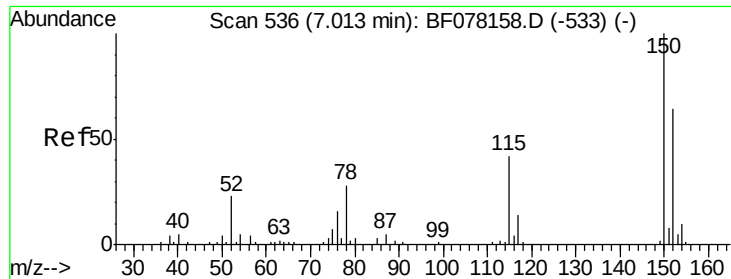
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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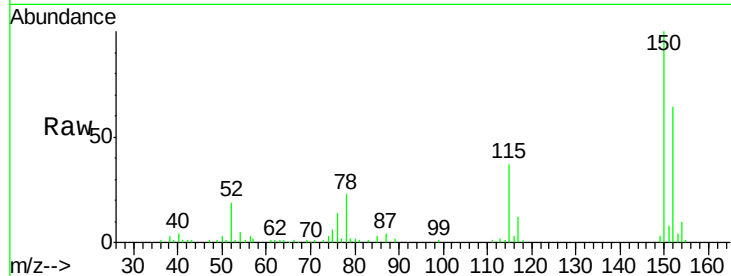




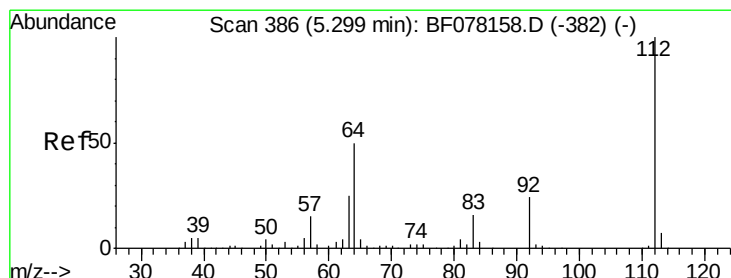
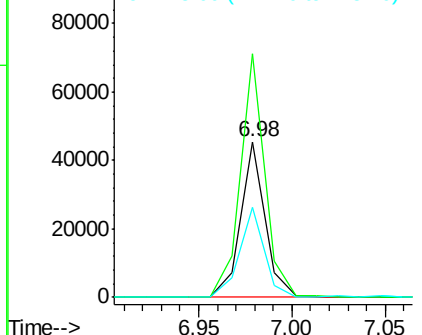
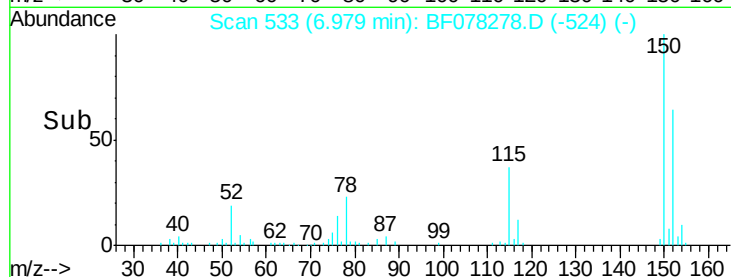
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.98 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: BF078278.D
 Acq: 7 Apr 2015 2:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-1D

Tgt Ion:152 Resp: 41379
 Ion Ratio Lower Upper
 152 100
 150 156.7 125.9 188.9
 115 58.3 52.7 79.1

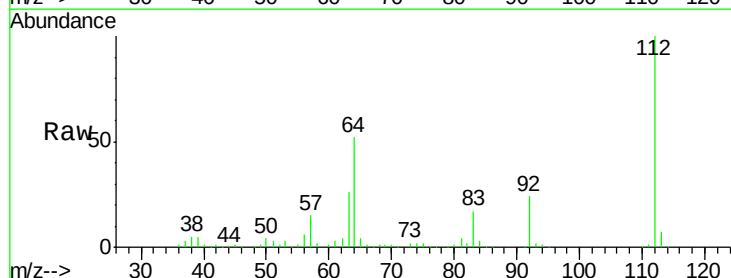


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

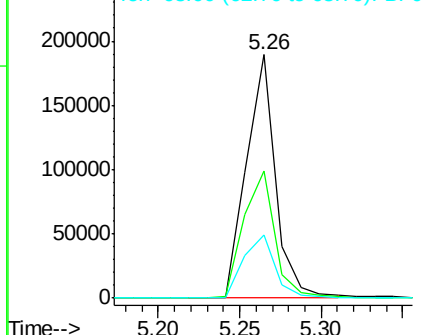
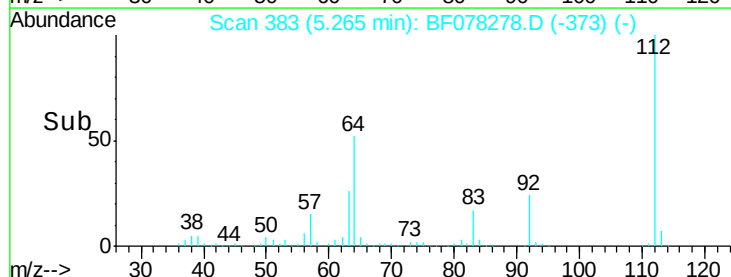


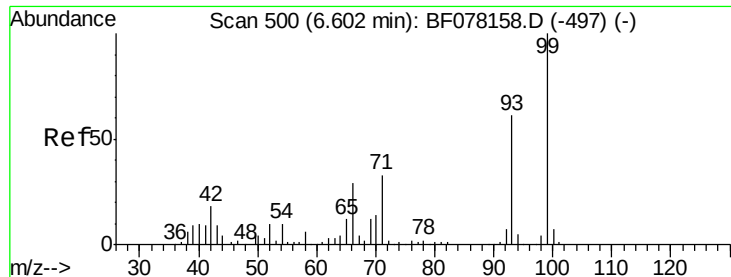
#5
 2-Fluorophenol
 Concen: 93.63 ng
 RT: 5.26 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: BF078278.D
 Acq: 7 Apr 2015 2:43

Tgt Ion:112 Resp: 234982
 Ion Ratio Lower Upper
 112 100
 64 52.4 39.9 59.9
 63 26.2 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: 96.93 ng

RT: 6.58 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

Instrument :

BNA_F

ClientSampleId :

SB-1D

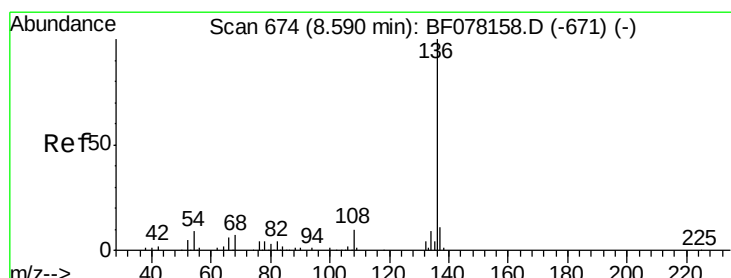
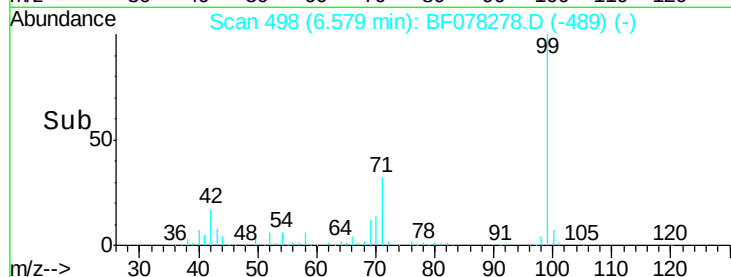
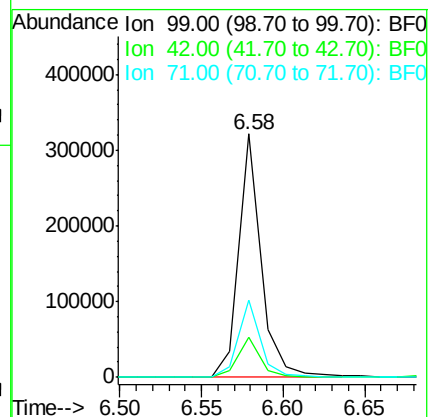
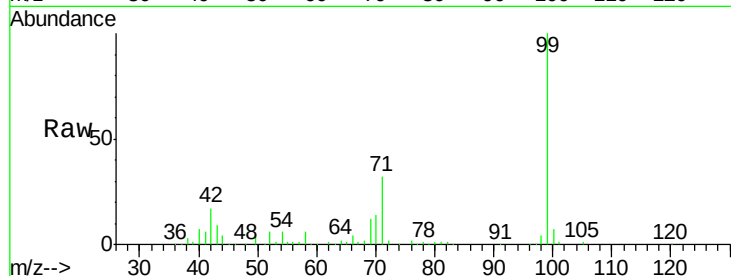
Tgt Ion: 99 Resp: 304864

Ion Ratio Lower Upper

99 100

42 16.6 14.8 22.2

71 31.6 26.6 39.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.56 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

Tgt Ion: 136 Resp: 169250

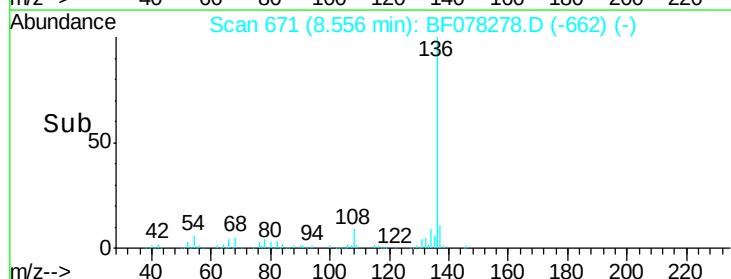
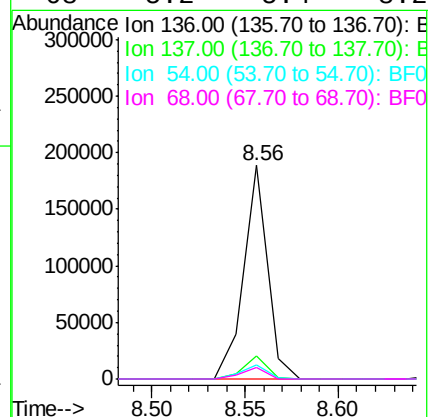
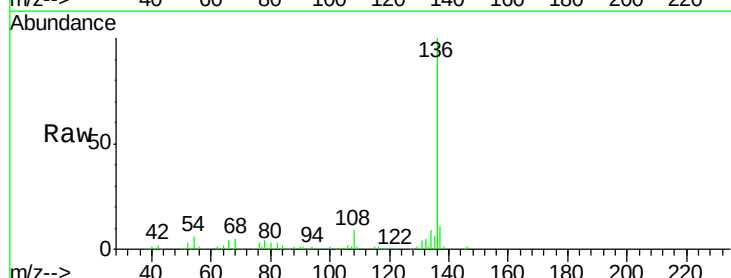
Ion Ratio Lower Upper

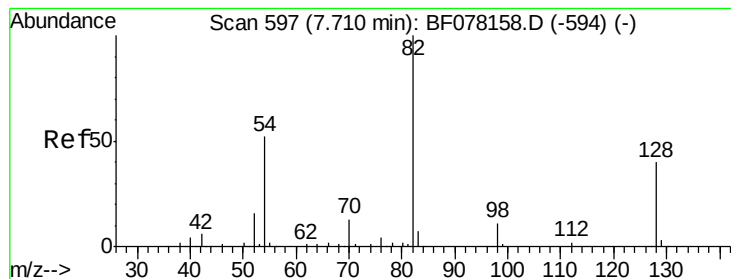
136 100

137 10.5 9.0 13.4

54 6.4 7.0 10.6#

68 5.2 5.4 8.2#





#23

Nitrobenzene-d5

Concen: 62.84 ng

RT: 7.68 min Scan# 594

Delta R.T. 0.00 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

Instrument :

BNA_F

ClientSampleId :

SB-1D

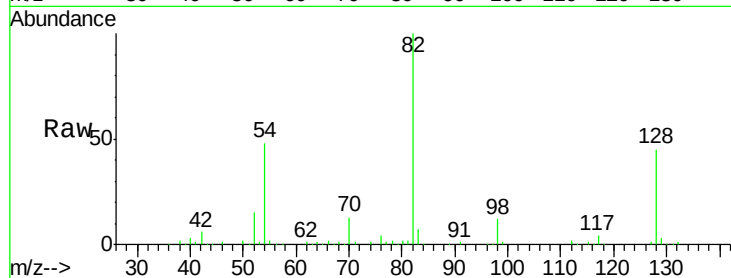
Tgt Ion: 82 Resp: 175455

Ion Ratio Lower Upper

82 100

128 44.6 31.8 47.8

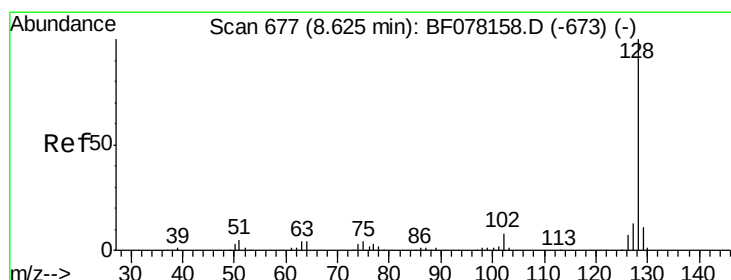
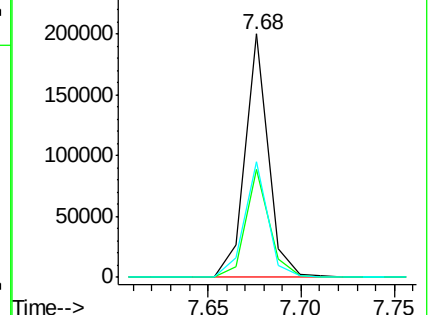
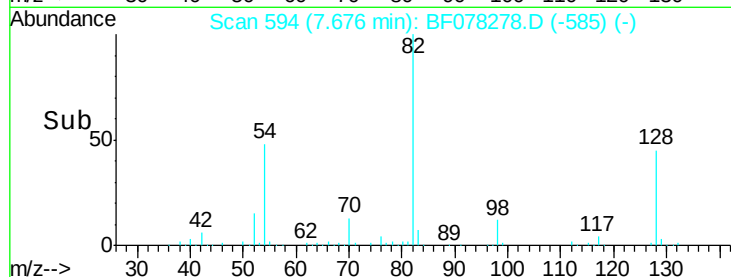
54 47.6 41.5 62.3



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: 51.21 ng

RT: 8.58 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

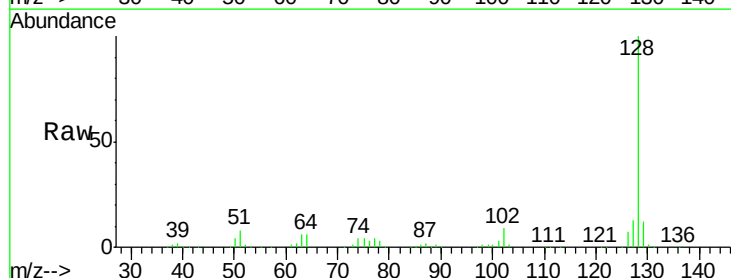
Tgt Ion: 128 Resp: 451077

Ion Ratio Lower Upper

128 100

129 11.6 8.6 12.8

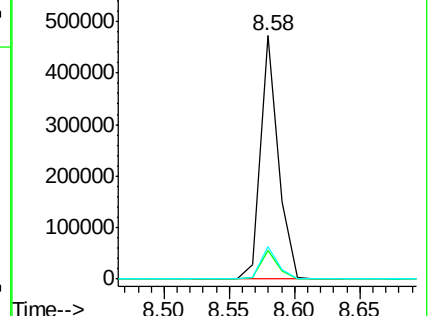
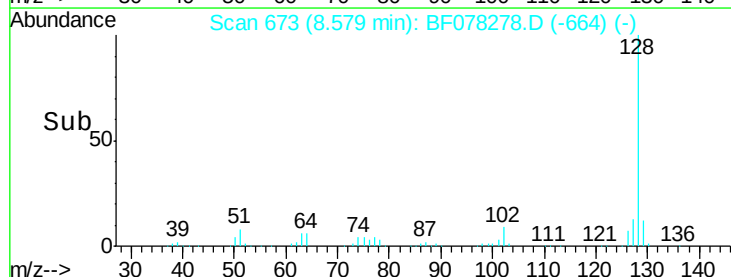
127 13.1 10.7 16.1

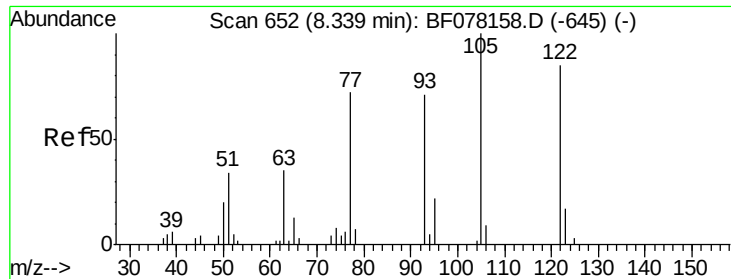


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

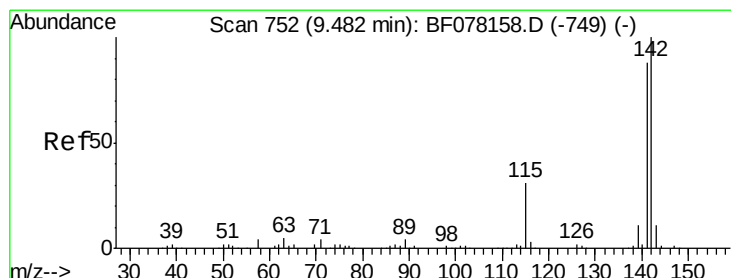
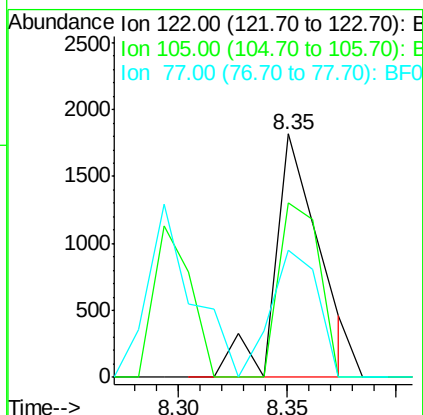
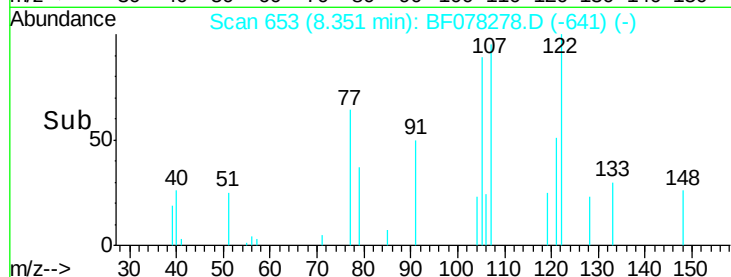
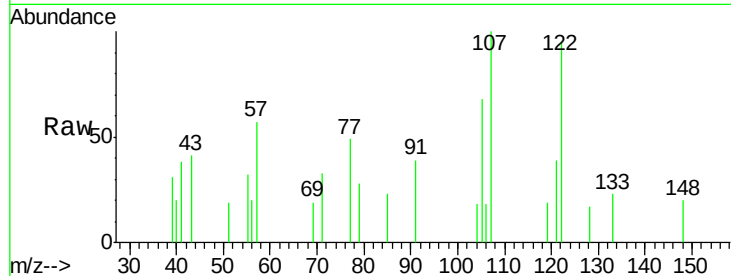




#32
Benzoic acid
Concen: 7.66 ng
RT: 8.35 min Scan# 653
Delta R.T. 0.03 min
Lab File: BF078278.D
Acq: 7 Apr 2015 2:43

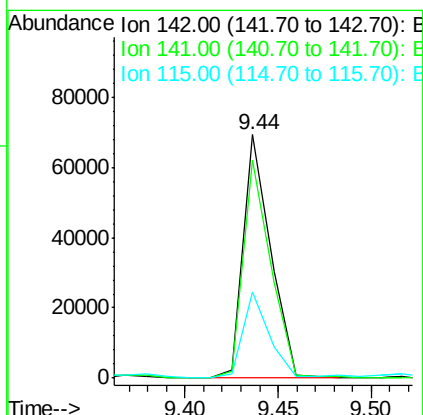
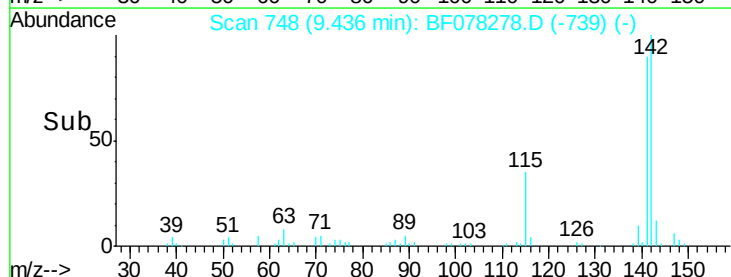
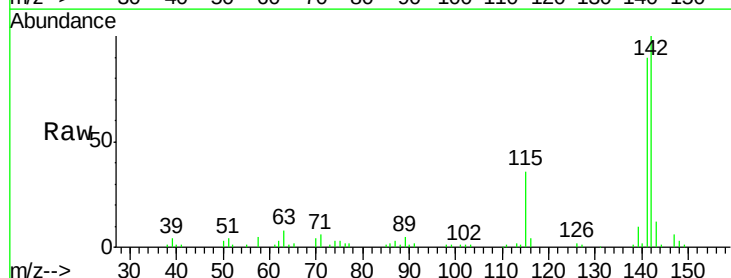
Instrument :
BNA_F
ClientSampled :
SB-1D

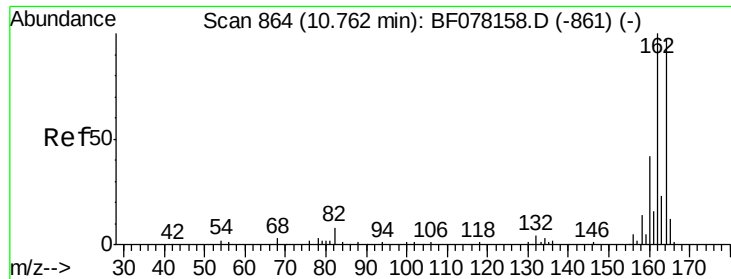
Tgt Ion:122 Resp: 2576
Ion Ratio Lower Upper
122 100
105 71.6 96.1 136.1#
77 52.0 64.1 104.1#



#37
2-Methylnaphthalene
Concen: 11.87 ng
RT: 9.44 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF078278.D
Acq: 7 Apr 2015 2:43

Tgt Ion:142 Resp: 70973
Ion Ratio Lower Upper
142 100
141 89.7 70.3 105.5
115 35.6 24.6 37.0

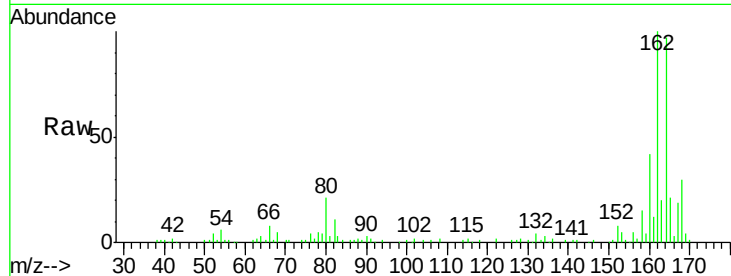




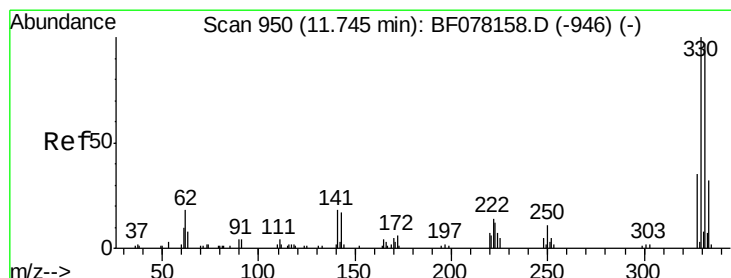
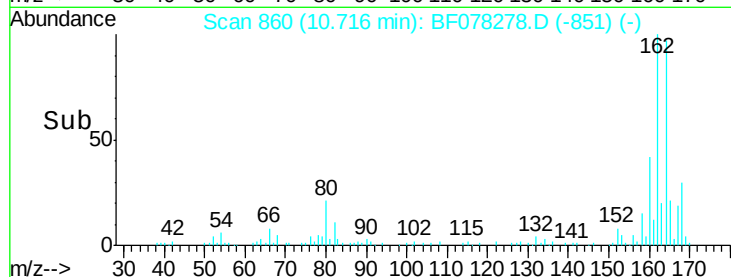
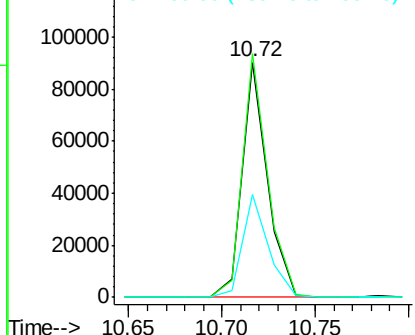
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.72 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: BF078278.D
 Acq: 7 Apr 2015 2:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-1D

Tgt Ion:164 Resp: 84189
 Ion Ratio Lower Upper
 164 100
 162 103.6 82.2 123.2
 160 44.0 34.7 52.1

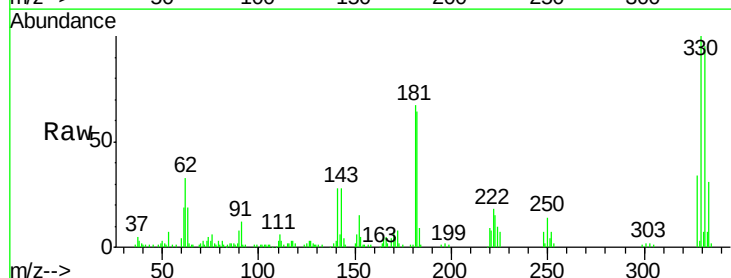


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

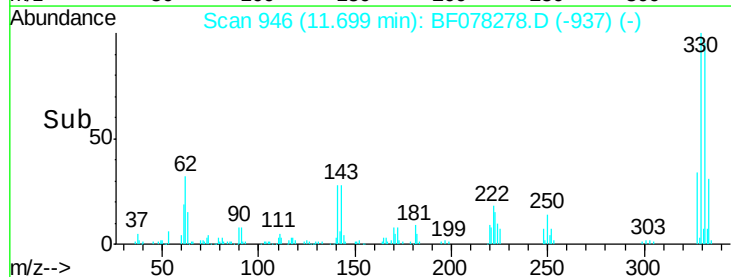
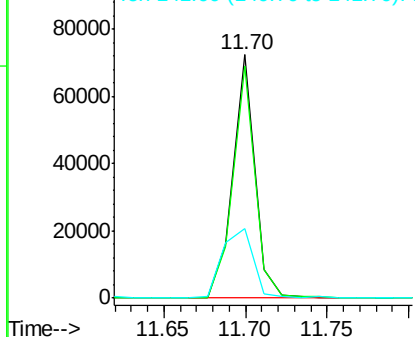


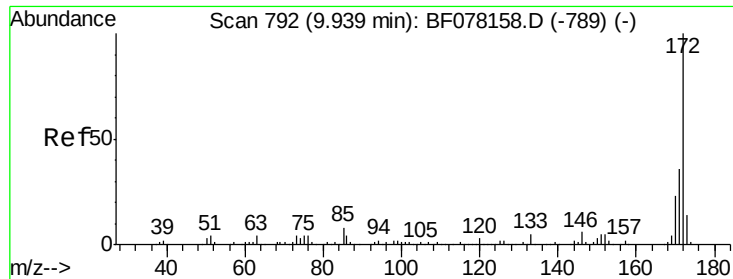
#41
 2,4,6-Tribromophenol
 Concen: 97.20 ng
 RT: 11.70 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: BF078278.D
 Acq: 7 Apr 2015 2:43

Tgt Ion:330 Resp: 67868
 Ion Ratio Lower Upper
 330 100
 332 95.8 78.6 117.8
 141 40.3 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

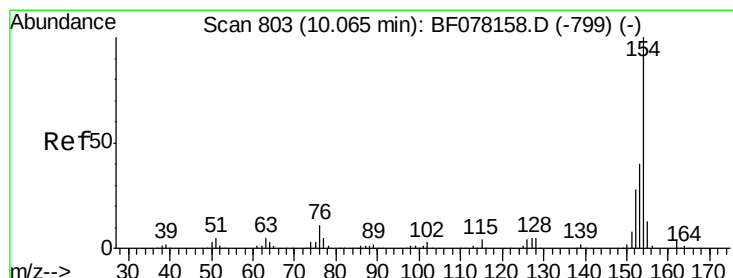
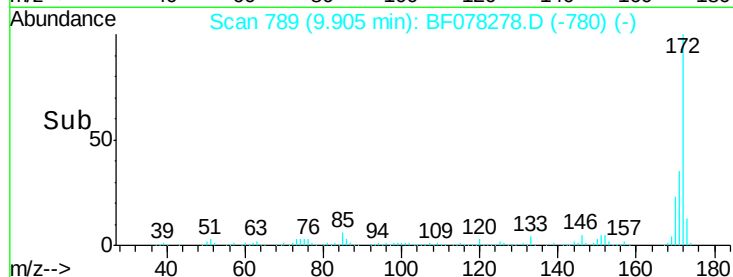
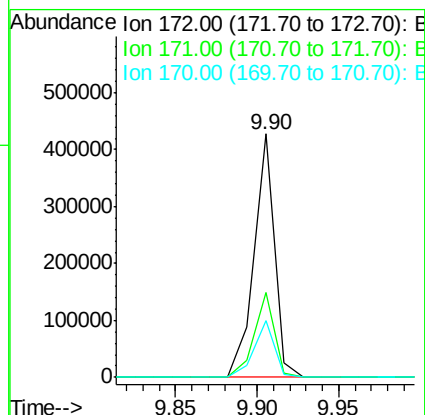
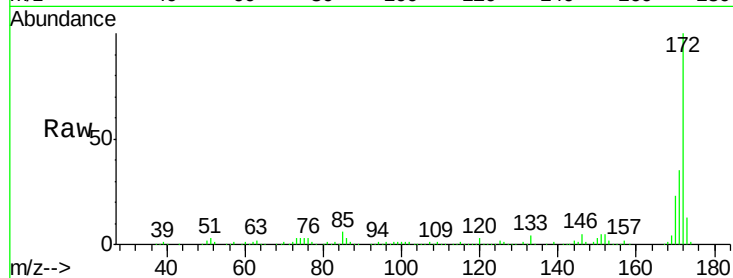




#44
 2-Fluorobiphenyl
 Concen: 63.32 ng
 RT: 9.90 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF078278.D
 Acq: 7 Apr 2015 2:43

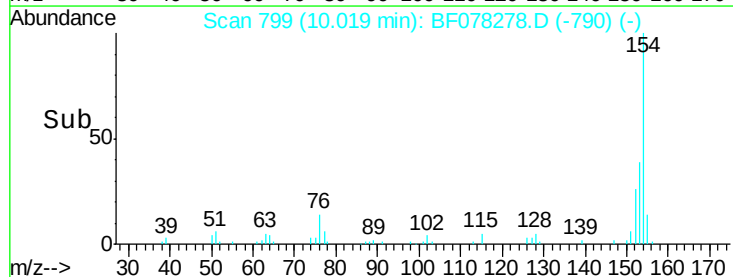
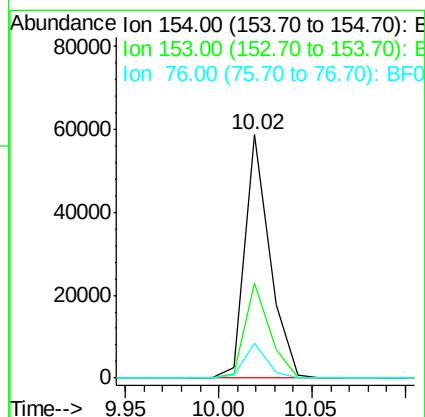
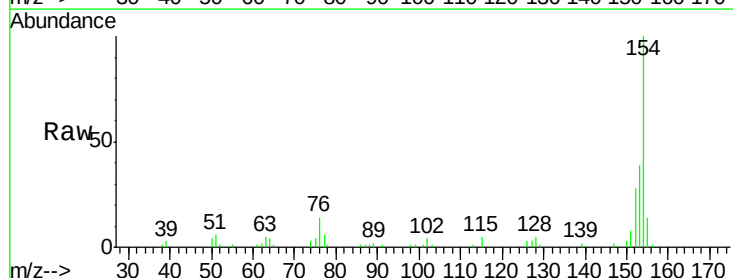
Instrument :
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 ClientSampled :
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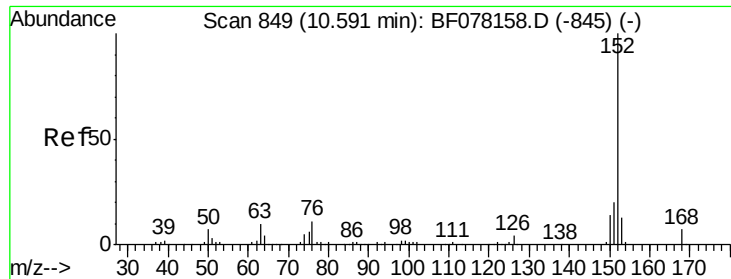
Tgt Ion:172 Resp: 372949
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.6 42.8
 170 23.2 18.5 27.7



#45
 1,1'-Biphenyl
 Concen: 7.92 ng
 RT: 10.02 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF078278.D
 Acq: 7 Apr 2015 2:43

Tgt Ion:154 Resp: 54564
 Ion Ratio Lower Upper
 154 100
 153 39.2 20.0 60.0
 76 14.4 0.0 30.6





#48

Acenaphthylene

Concen: 6.14 ng

RT: 10.55 min Scan# 845

Delta R.T. 0.00 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

Instrument :

BNA_F

ClientSampleId :

SB-1D

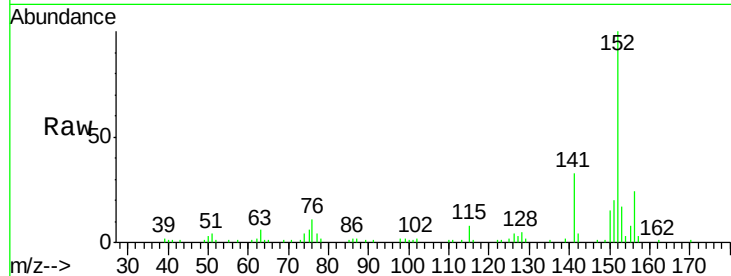
Tgt Ion:152 Resp: 53693

Ion Ratio Lower Upper

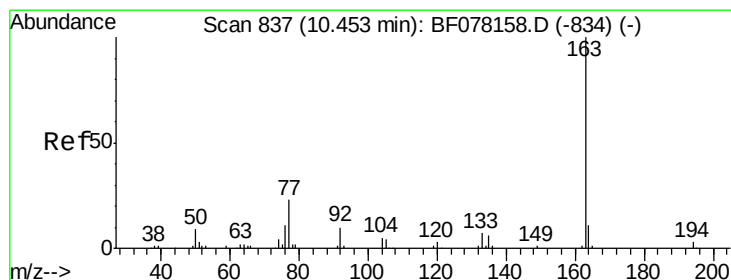
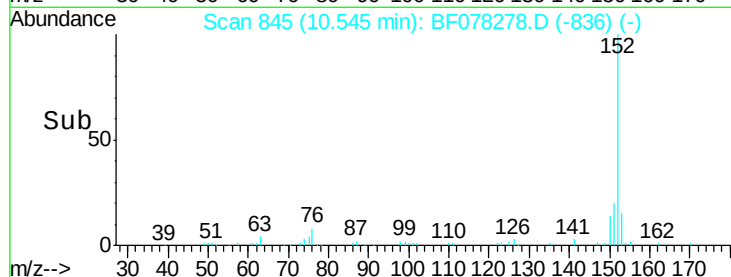
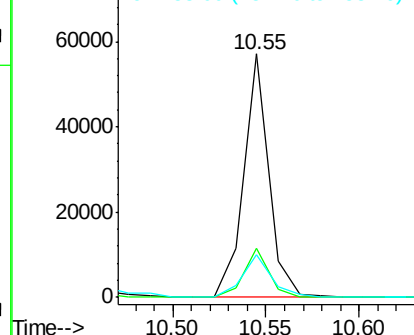
152 100

151 20.0 15.7 23.5

153 17.5 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: 2.71 ng

RT: 10.42 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

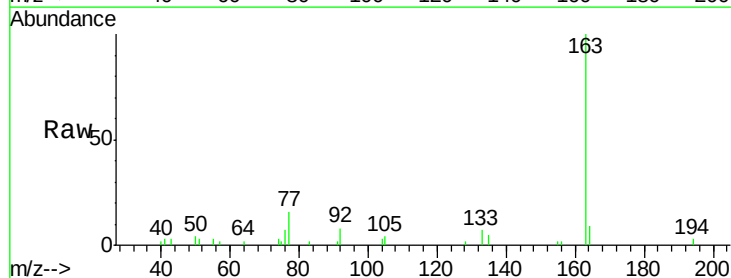
Tgt Ion:163 Resp: 17130

Ion Ratio Lower Upper

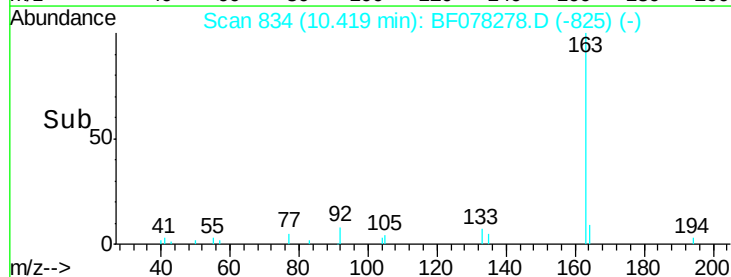
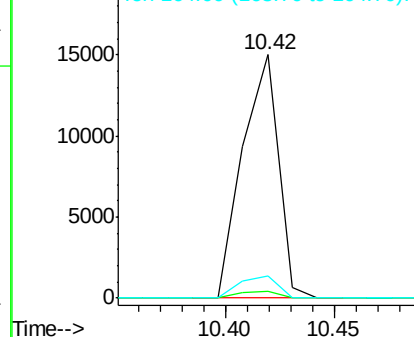
163 100

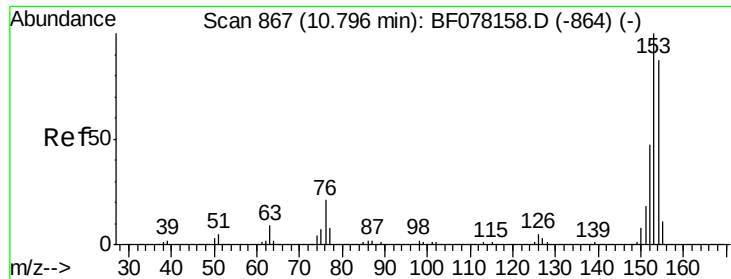
194 3.0 2.3 3.5

164 9.2 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: 32.56 ng

RT: 10.76 min Scan# 864

Delta R.T. 0.00 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

Instrument :

BNA_F

ClientSampleId :

SB-1D

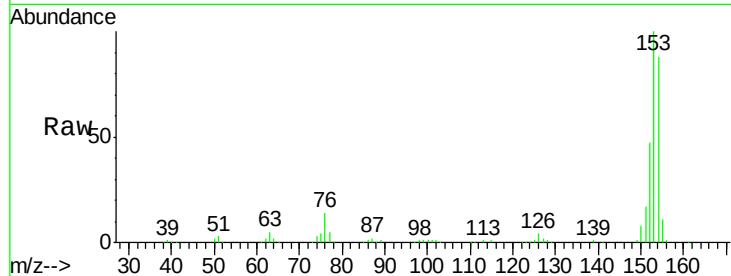
Tgt Ion:154 Resp: 160387

Ion Ratio Lower Upper

154 100

153 113.8 91.4 137.2

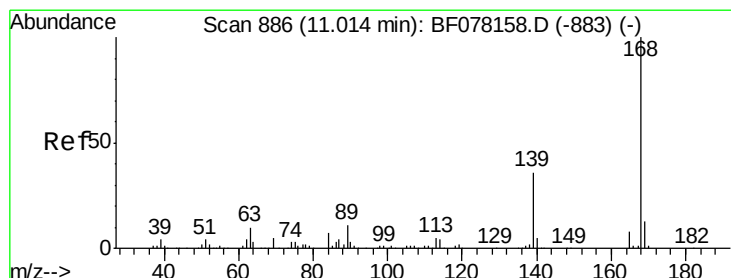
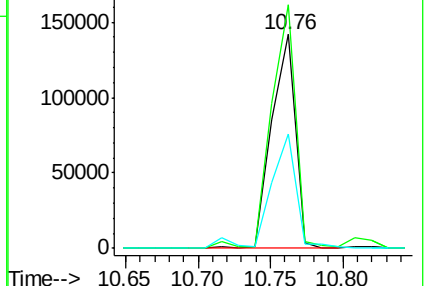
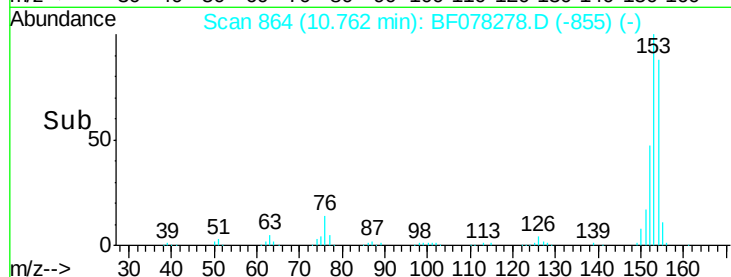
152 53.3 43.0 64.6



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: 19.80 ng

RT: 10.98 min Scan# 883

Delta R.T. 0.01 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

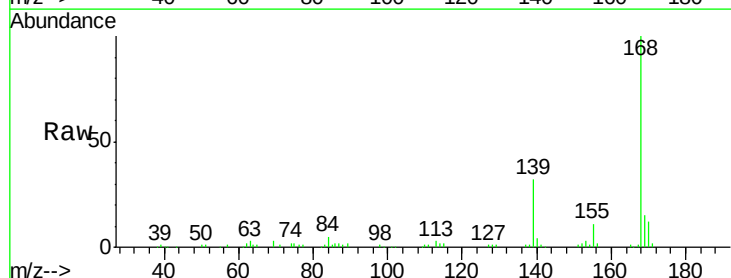
Tgt Ion:168 Resp: 148978

Ion Ratio Lower Upper

168 100

139 32.3 31.0 46.4

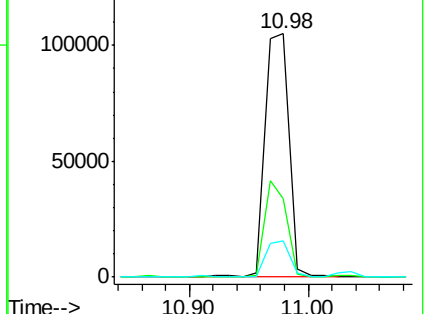
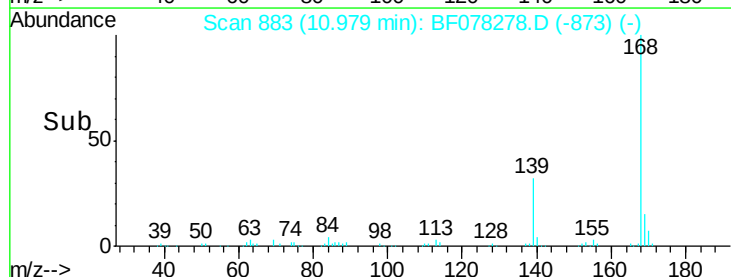
169 14.8 10.7 16.1

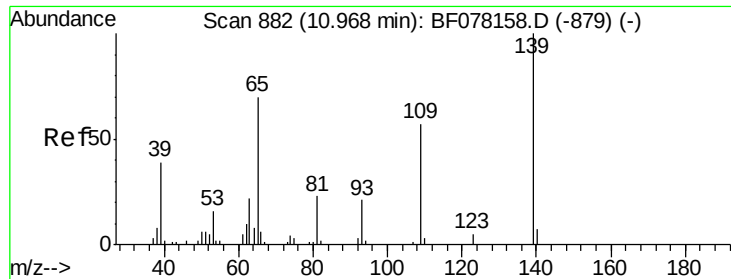


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 50.24 ng

RT: 10.97 min Scan# 882

Delta R.T. 0.03 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

Instrument :

BNA_F

ClientSampled :

SB-1D

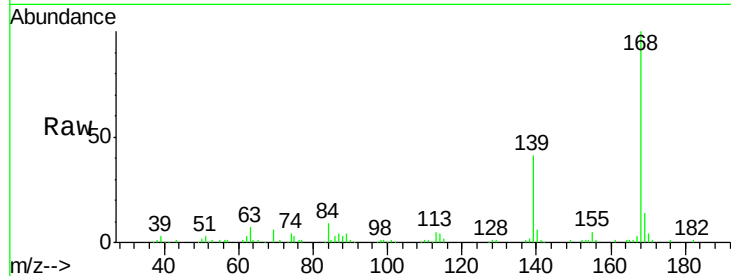
Tgt Ion:139 Resp: 53573

Ion Ratio Lower Upper

139 100

109 1.1 36.7 76.7#

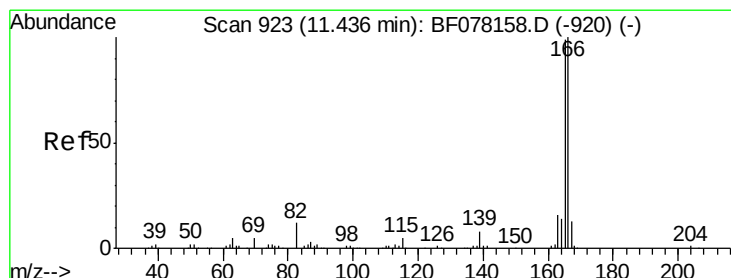
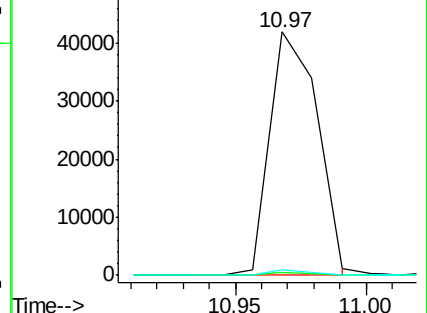
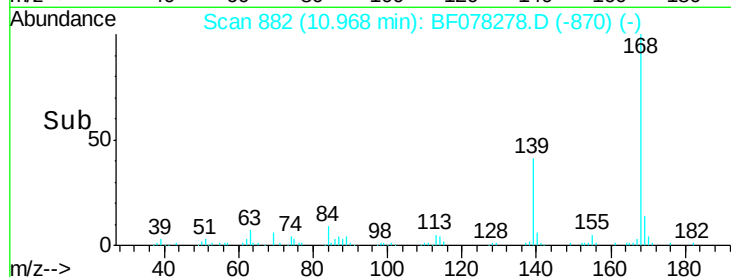
65 2.5 49.9 89.9#



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: 33.96 ng

RT: 11.40 min Scan# 920

Delta R.T. 0.01 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

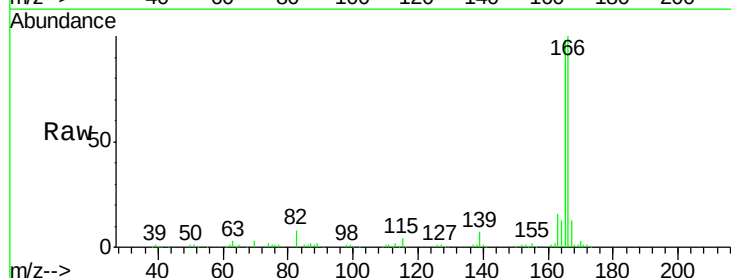
Tgt Ion:166 Resp: 207139

Ion Ratio Lower Upper

166 100

165 98.5 78.9 118.3

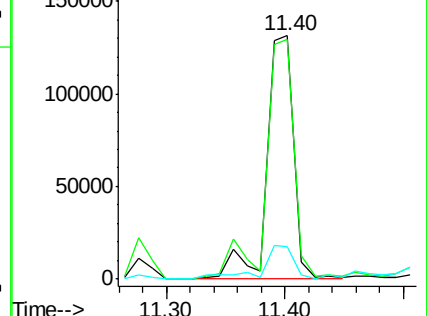
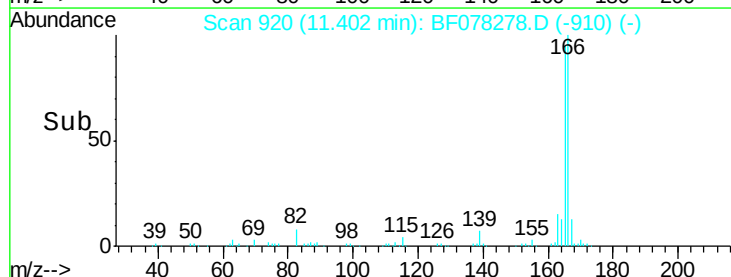
167 13.4 10.7 16.1

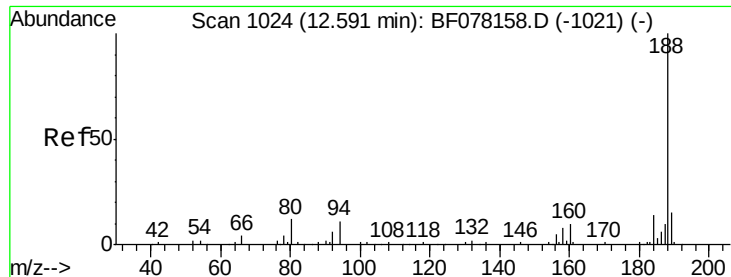


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

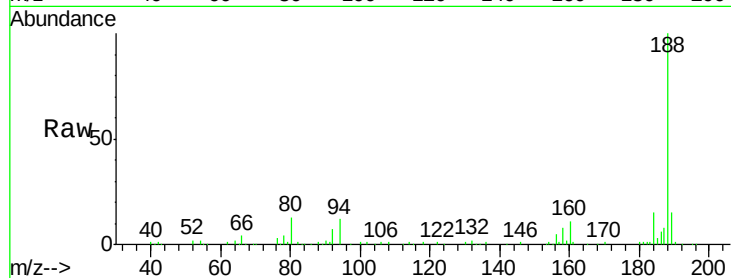




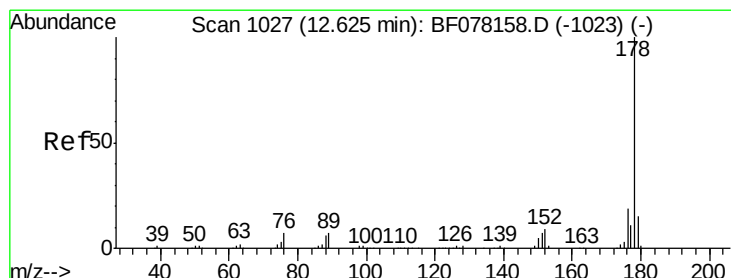
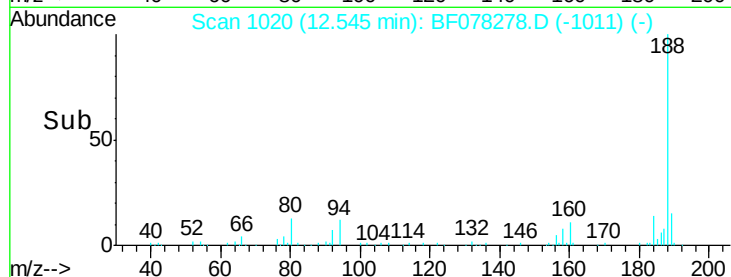
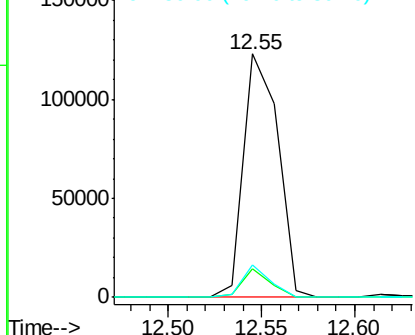
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.55 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BF078278.D
 Acq: 7 Apr 2015 2:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-1D

Tgt Ion:188 Resp: 157978
 Ion Ratio Lower Upper
 188 100
 94 12.0 9.0 13.4
 80 13.2 9.5 14.3

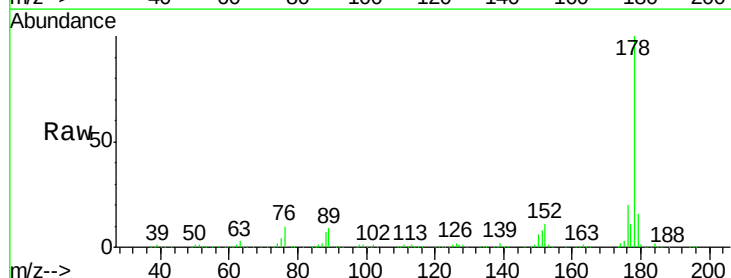


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

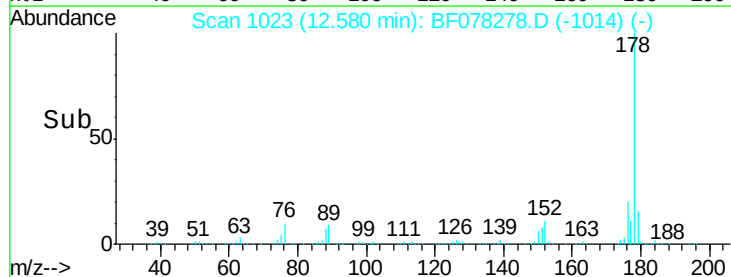
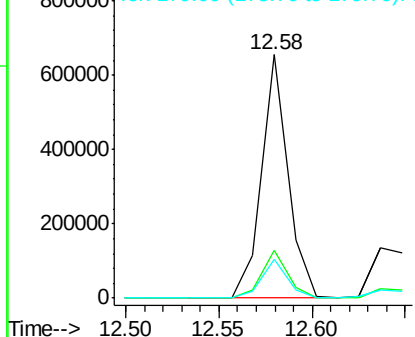


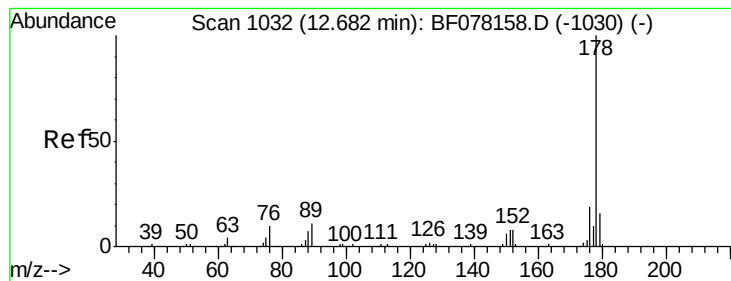
#70
 Phenanthrene
 Concen: 69.79 ng
 RT: 12.58 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: BF078278.D
 Acq: 7 Apr 2015 2:43

Tgt Ion:178 Resp: 637798
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.0
 179 16.0 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 20.18 ng

RT: 12.64 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

Instrument :

BNA_F

ClientSampled :

SB-1D

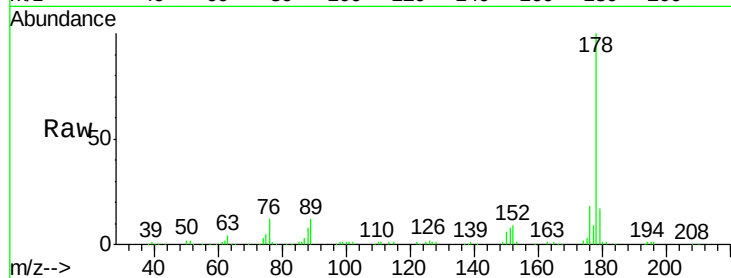
Tgt Ion:178 Resp: 181673

Ion Ratio Lower Upper

178 100

176 17.6 14.8 22.2

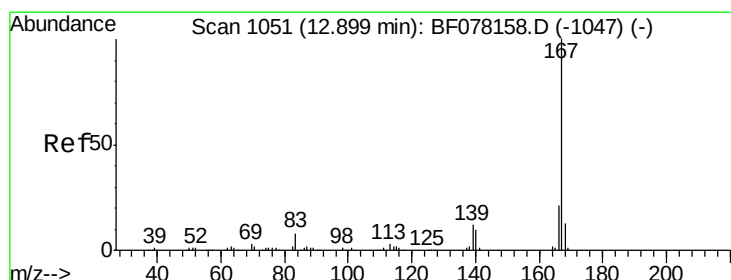
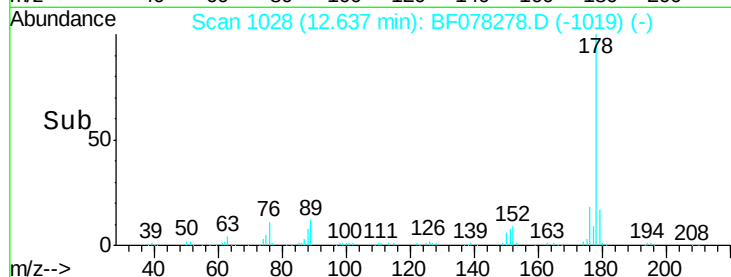
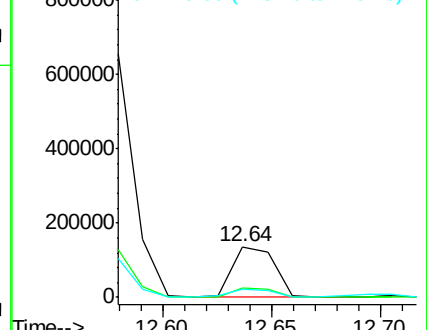
179 16.9 12.4 18.6



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: 5.78 ng

RT: 12.85 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

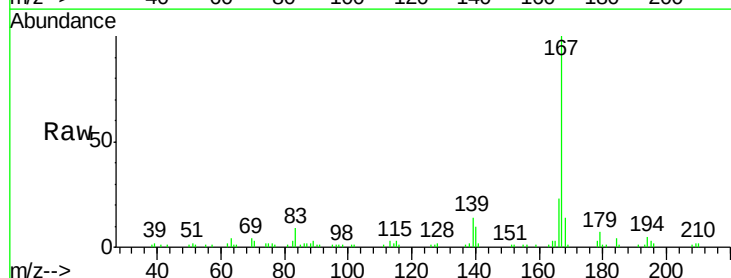
Tgt Ion:167 Resp: 48785

Ion Ratio Lower Upper

167 100

166 23.4 16.8 25.2

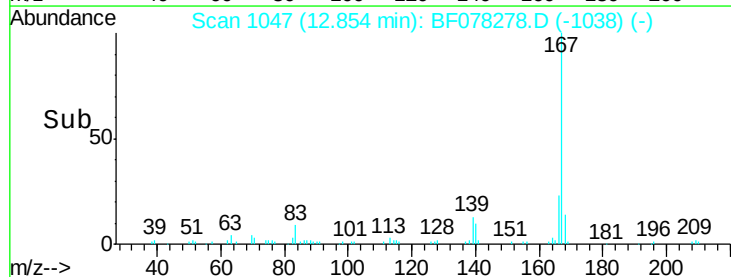
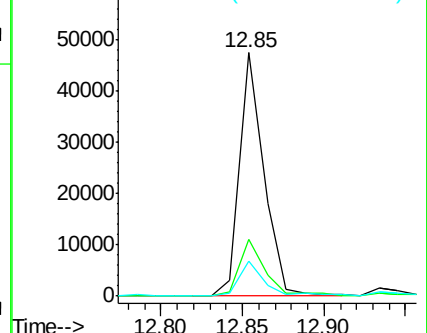
139 14.3 10.0 15.0

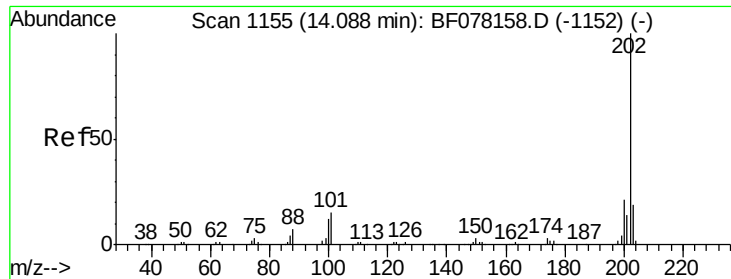


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 37.45 ng

RT: 14.04 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

Instrument :

BNA_F

ClientSampleId :

SB-1D

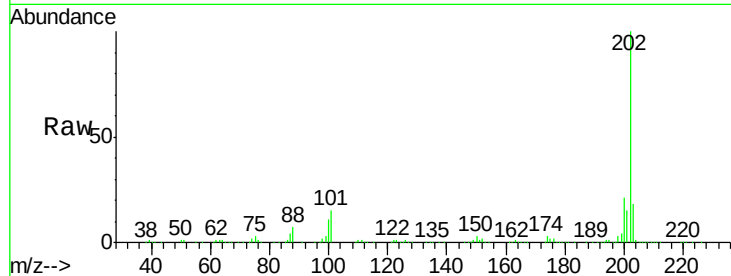
Tgt Ion: 202 Resp: 360904

Ion Ratio Lower Upper

202 100

101 15.3 0.0 35.2

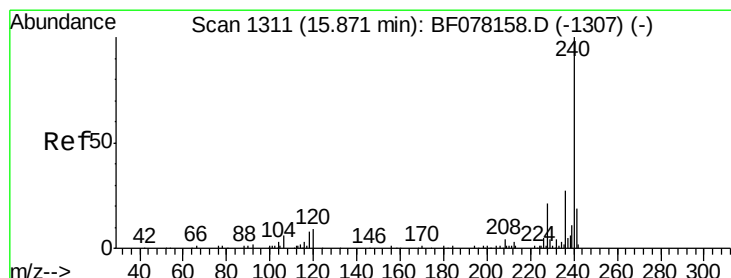
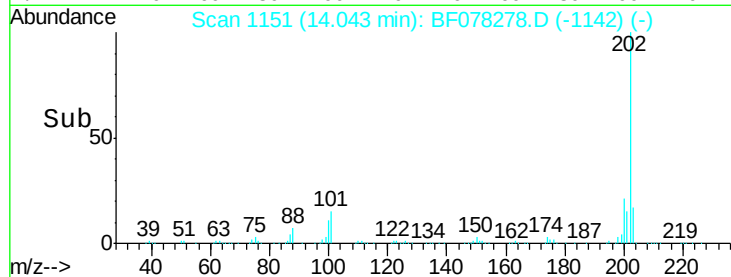
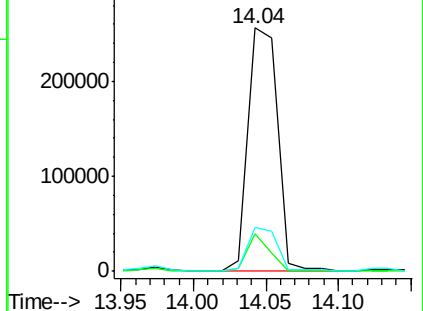
203 17.9 0.0 38.5



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: BF078278.D

Acq: 7 Apr 2015 2:43

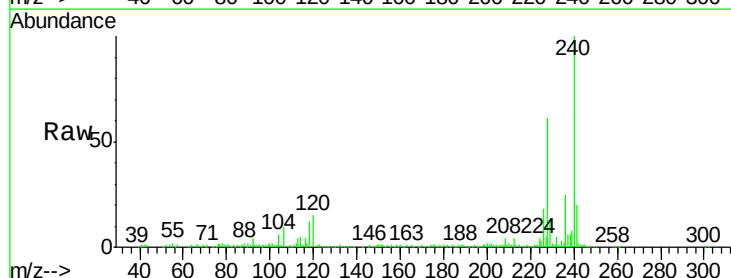
Tgt Ion: 240 Resp: 171107

Ion Ratio Lower Upper

240 100

120 14.9 7.1 10.7#

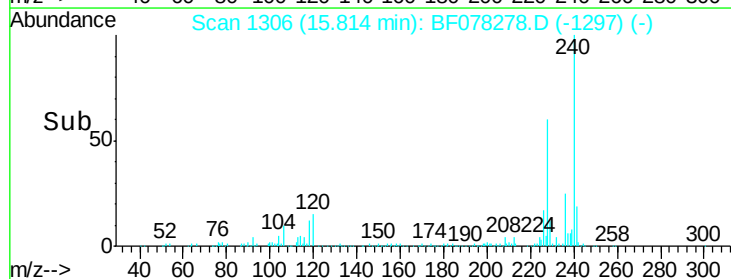
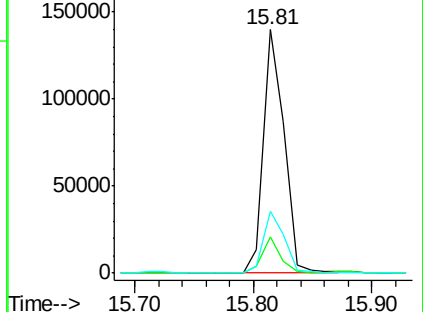
236 25.5 21.4 32.2

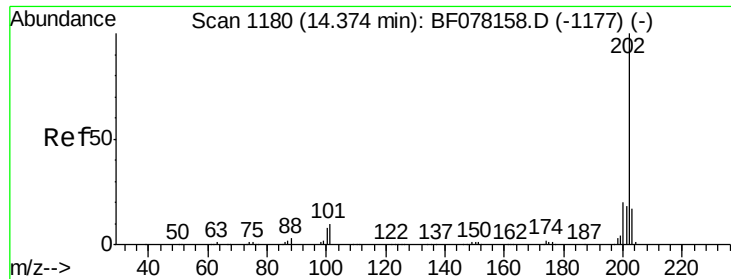


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

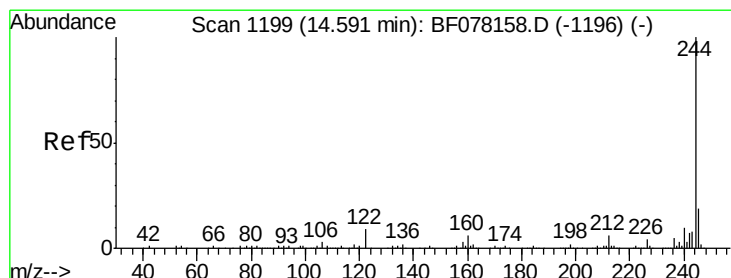
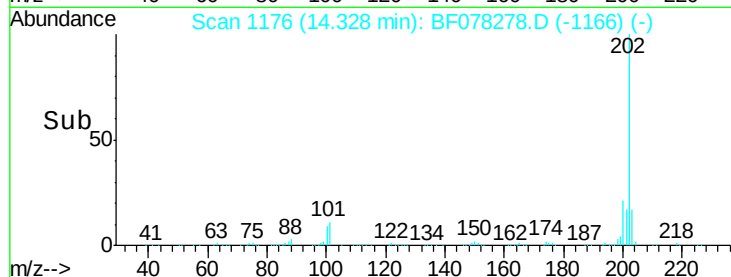
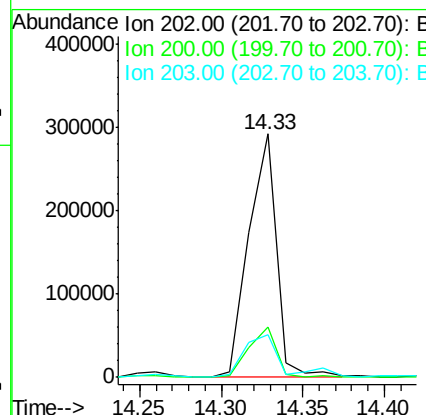
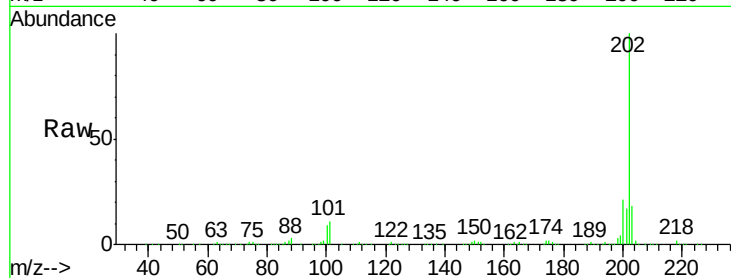




#77
 Pyrene
 Concen: 31.77 ng
 RT: 14.33 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: BF078278.D
 Acq: 7 Apr 2015 2:43

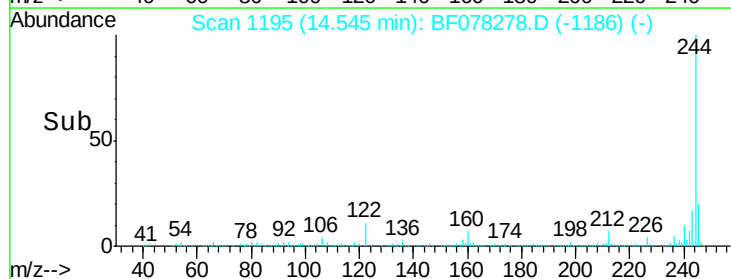
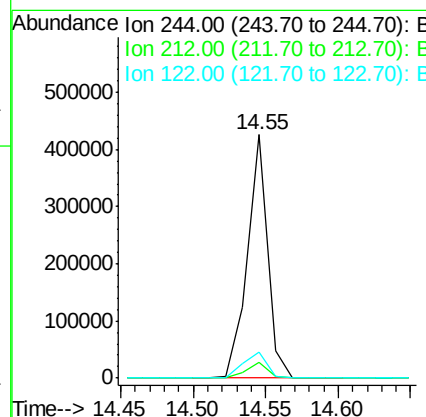
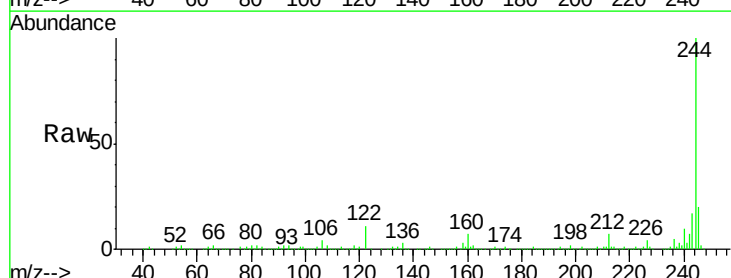
Instrument :
 BNA_F
 ClientSampleId :
 SB-1D

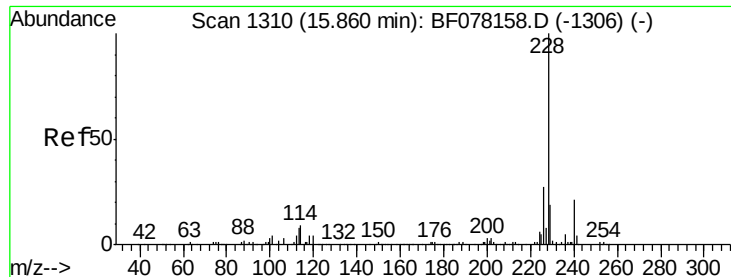
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	17.6	13.8	20.6



#78
 Terphenyl-d14
 Concen: 54.62 ng
 RT: 14.55 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: BF078278.D
 Acq: 7 Apr 2015 2:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.0	7.4
122	10.9	7.1	10.7#





#80

Benzo(a)anthracene

Concen: 9.40 ng

RT: 15.85 min Scan# 1309

Delta R.T. 0.05 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

Instrument :

BNA_F

ClientSampleId :

SB-1D

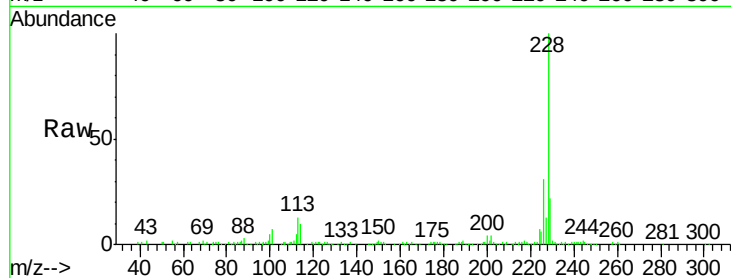
Tgt Ion:228 Resp: 95719

Ion Ratio Lower Upper

228 100

226 30.6 21.3 31.9

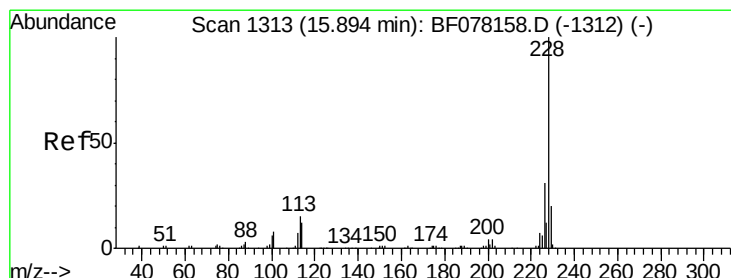
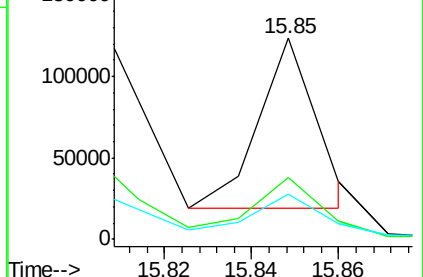
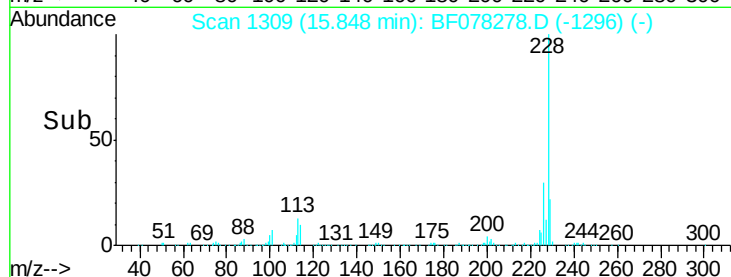
229 22.2 15.4 23.2



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



#82

Chrysene

Concen: 14.21 ng

RT: 15.85 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

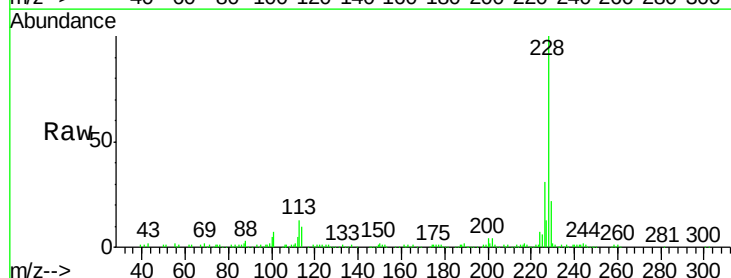
Tgt Ion:228 Resp: 135878

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.4

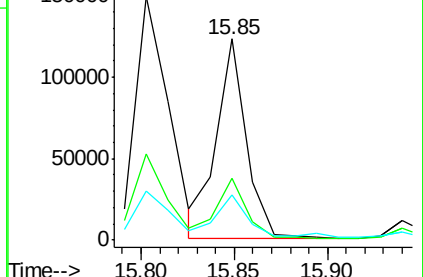
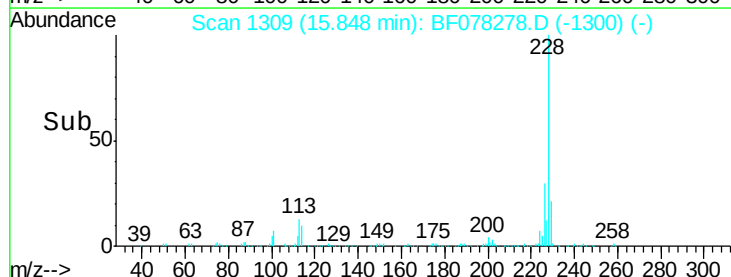
229 22.2 15.8 23.8

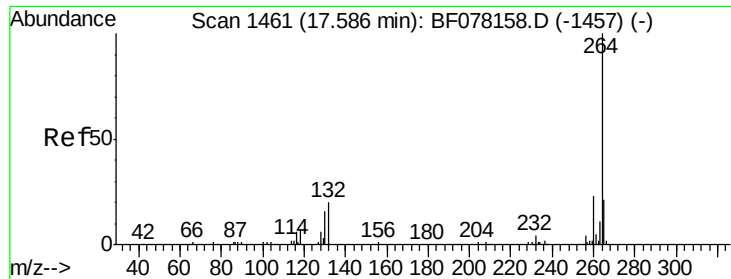


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.51 min Scan# 1454

Delta R.T. 0.03 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

Instrument :

BNA_F

ClientSampleId :

SB-1D

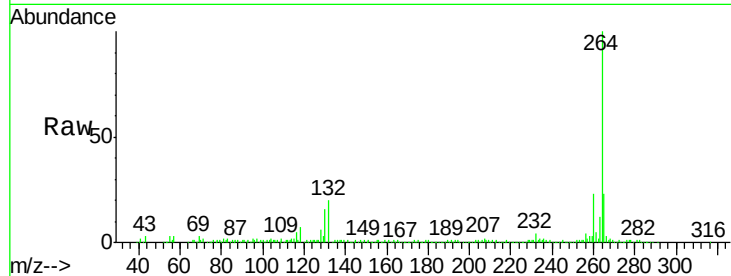
Tgt Ion:264 Resp: 176554

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

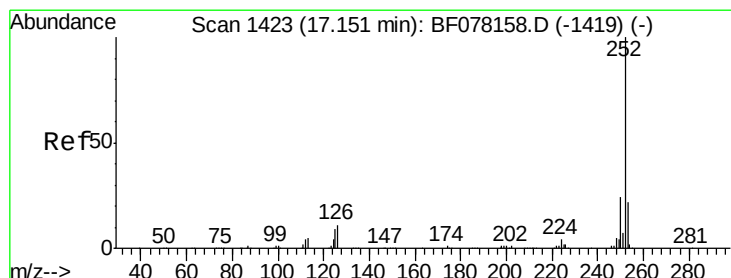
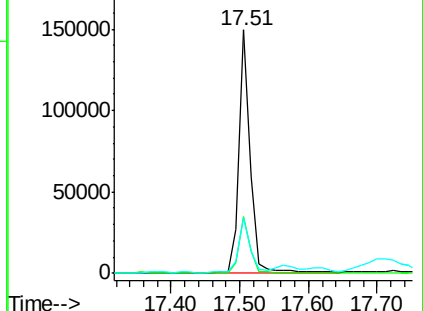
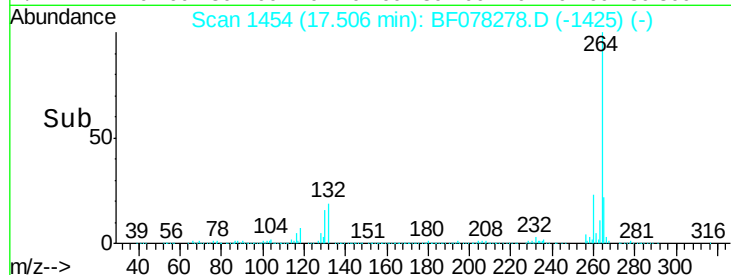
265 22.5 17.0 25.6



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: 16.75 ng

RT: 17.08 min Scan# 1417

Delta R.T. 0.02 min

Lab File: BF078278.D

Acq: 7 Apr 2015 2:43

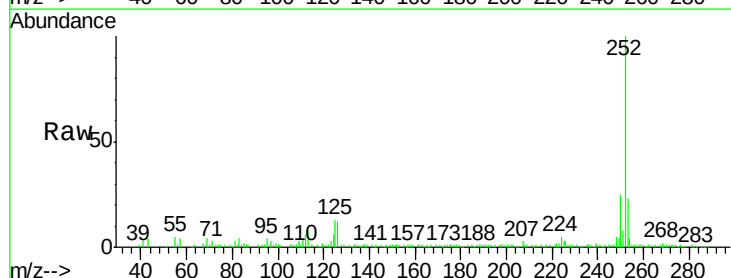
Tgt Ion:252 Resp: 182795

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

125 13.1 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

