

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
 Data File : BF079731.D
 Acq On : 5 Jun 2015 7:08
 Operator : TP/IZ
 Sample : G2450-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEC-3.3-SP

Quant Time: Jun 06 03:35:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 06 03:31:13 2015
 Response via : Initial Calibration

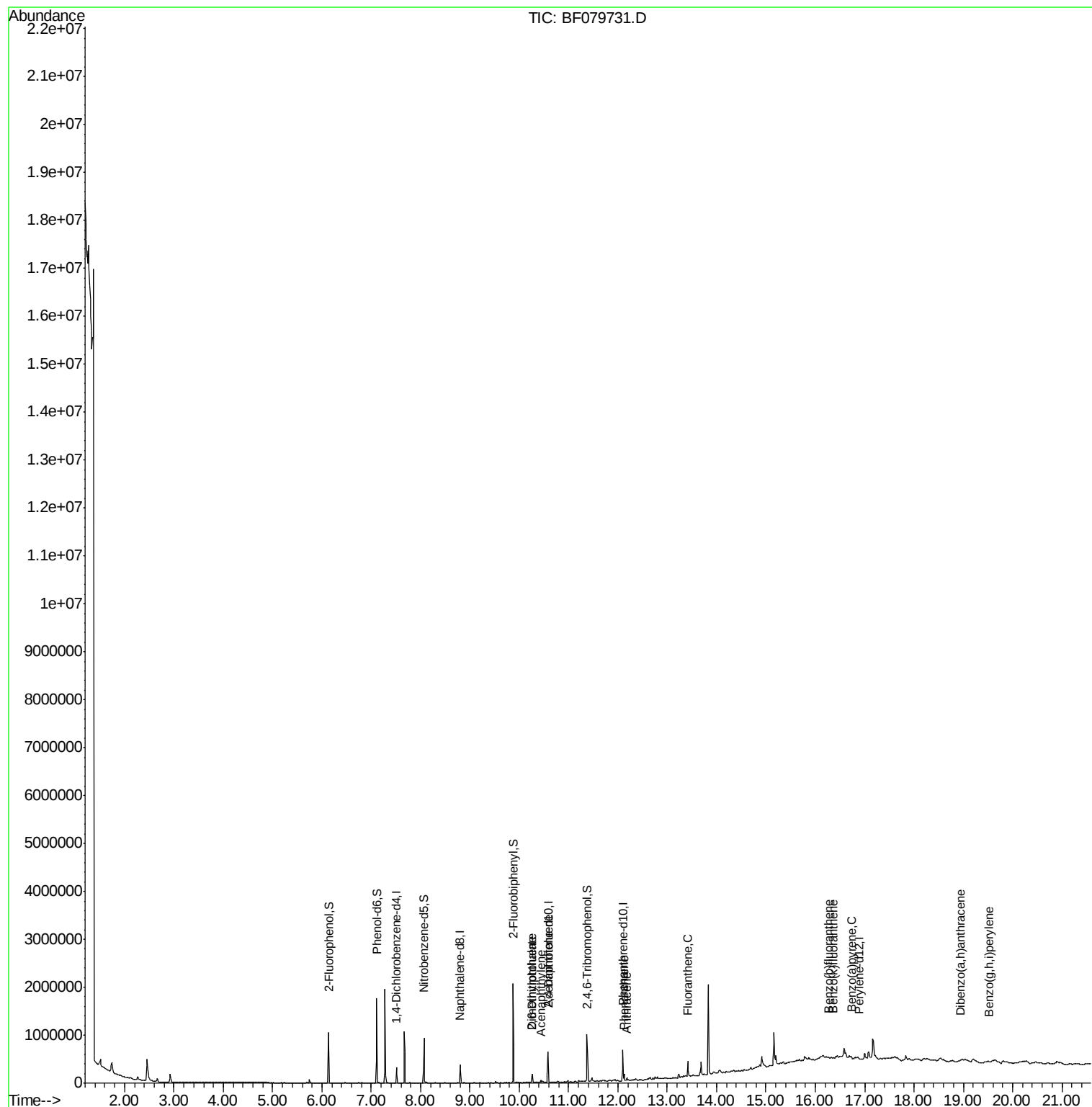
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	58149	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	221024	20.00	ng	0.00
38) Acenaphthene-d10	10.58	164	123147	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	243782	20.00	ng	0.02
75) Chrysene-d12	0.00	240	0	0.00	ng	-14.98
86) Perylene-d12	16.89	264	120	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	405710	119.64	ng	0.01
7) Phenol-d6	7.11	99	570701	129.28	ng	0.01
23) Nitrobenzene-d5	8.07	82	282095	77.71	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	133681	120.88	ng	0.01
44) 2-Fluorobiphenyl	9.87	172	672243	79.03	ng	0.00
78) Terphenyl-d14	13.84	244	879426	0.00	ng	0.10
Target Compounds						Qvalue
48) Acenaphthylene	10.45	152	27926	2.03	ng	99
49) Dimethylphthalate	10.26	163	61737	6.51	ng	# 97
50) 2,6-Dinitrotoluene	10.26	165	708	3.42	ng	# 22
56) 2,4-Dinitrotoluene	10.58	165	13807	6.87	ng	# 33
70) Phenanthrene	12.13	178	51761	3.65	ng	98
71) Anthracene	12.18	178	31275	2.23	ng	98
74) Fluoranthene	13.42	202	147985	9.62	ng	98
87) Benzo(b)fluoranthene	16.27	252	1205	155.67	ng	# 1
88) Benzo(k)fluoranthene	16.37	252	1992	269.69	ng	# 1
89) Benzo(a)pyrene	16.73	252	28025	3962.78	ng	# 79
90) Dibenzo(a,h)anthracene	18.94	278	13234	2025.65	ng	# 61
91) Benzo(g,h,i)perylene	19.52	276	3711	555.51	ng	# 14

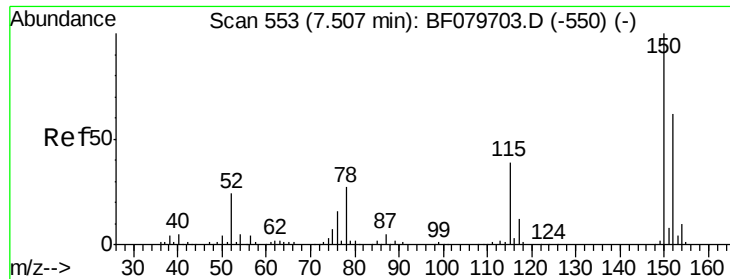
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.51 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SEC-3.3-SP

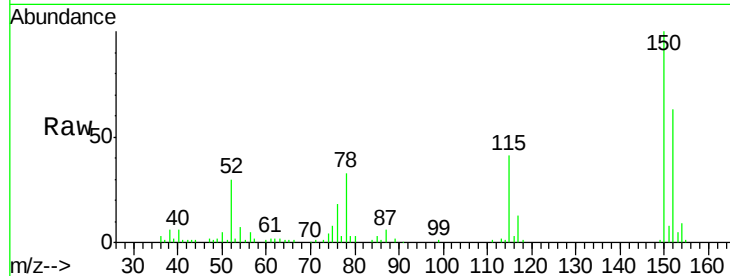
Tgt Ion:152 Resp: 58149

Ion Ratio Lower Upper

152 100

150 158.4 128.1 192.1

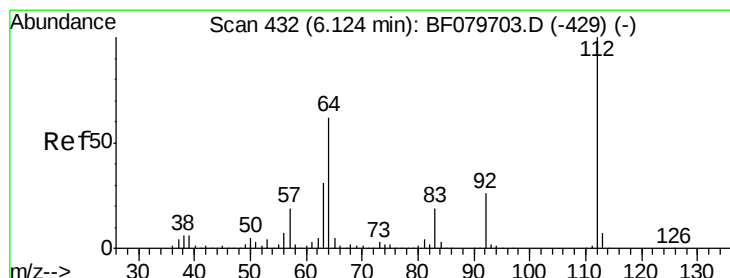
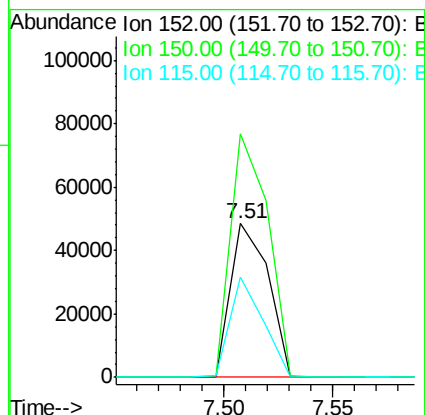
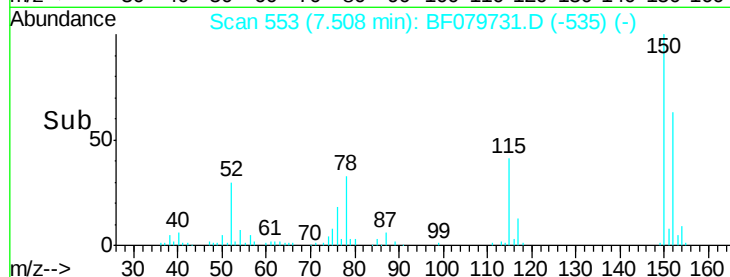
115 65.6 49.7 74.5



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: 119.64 ng

RT: 6.14 min Scan# 433

Delta R.T. 0.01 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

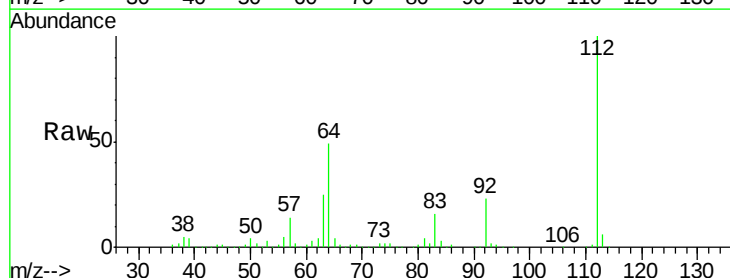
Tgt Ion:112 Resp: 405710

Ion Ratio Lower Upper

112 100

64 48.7 49.6 74.4#

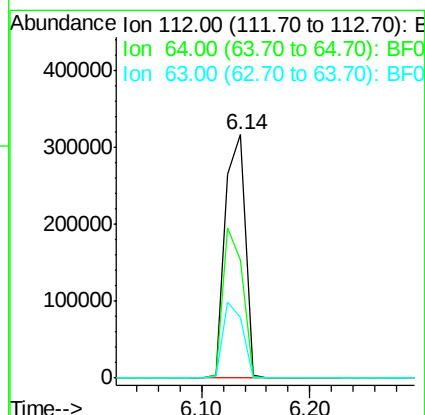
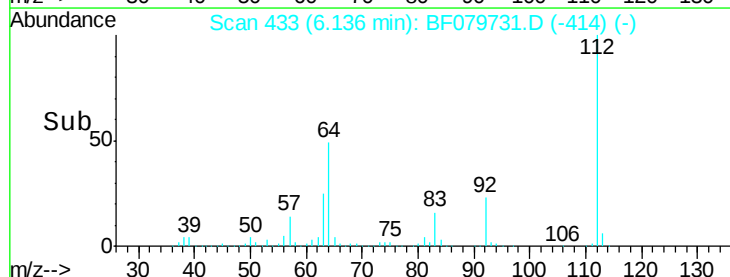
63 24.9 24.9 37.3

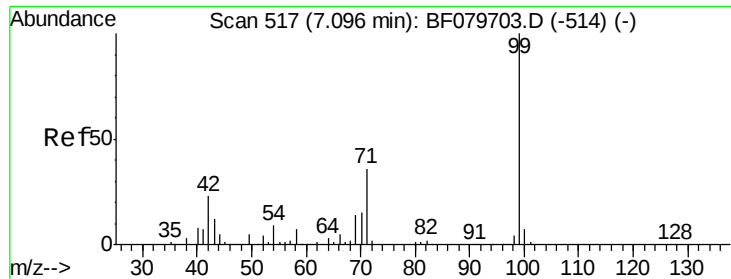


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 129.28 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.01 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SEC-3.3-SP

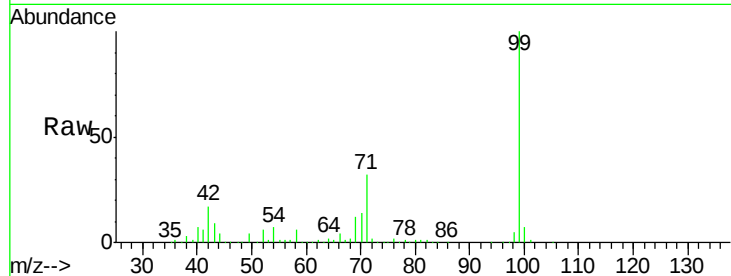
Tgt Ion: 99 Resp: 570701

Ion Ratio Lower Upper

99 100

42 17.2 18.0 27.0#

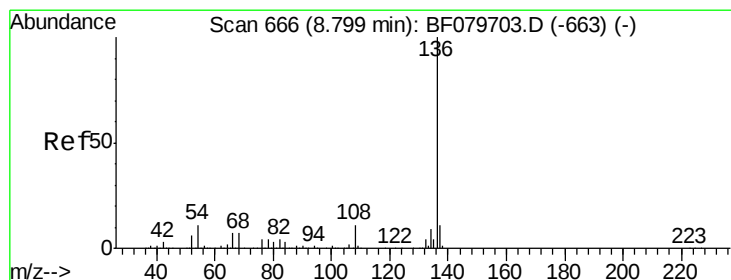
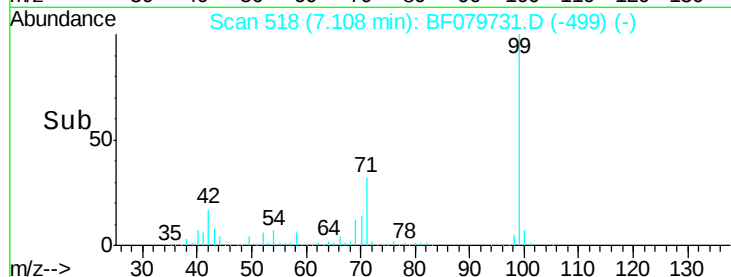
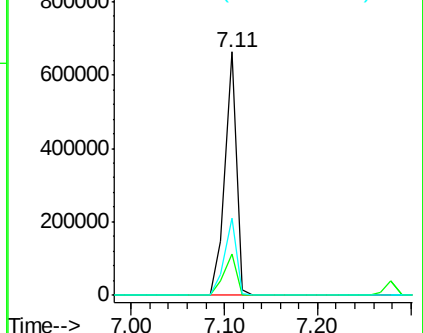
71 31.8 28.4 42.6



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: 8.80 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

Tgt Ion:136 Resp: 221024

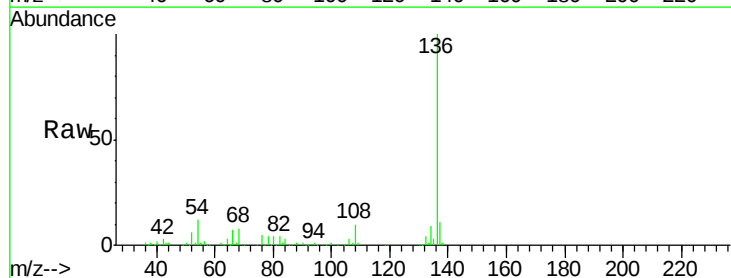
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 11.6 8.7 13.1

68 7.9 5.8 8.8

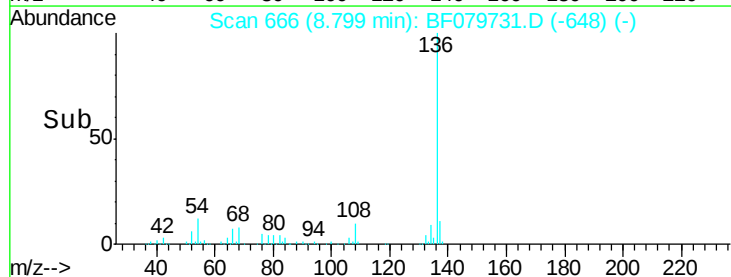
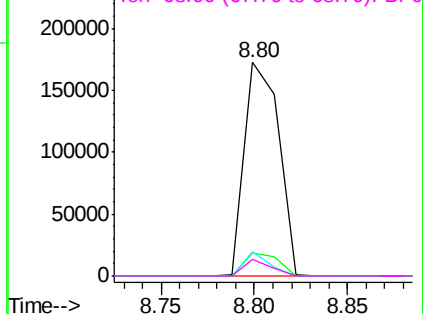


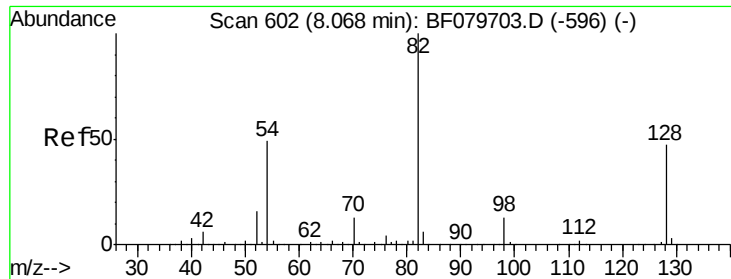
Abundance Ion 136.00 (135.70 to 136.70): E

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

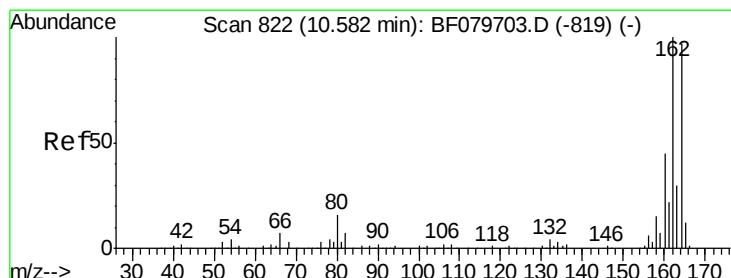
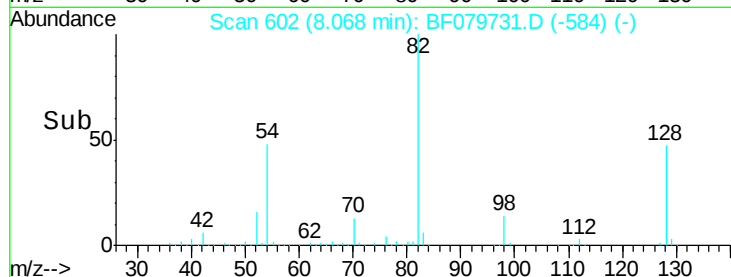
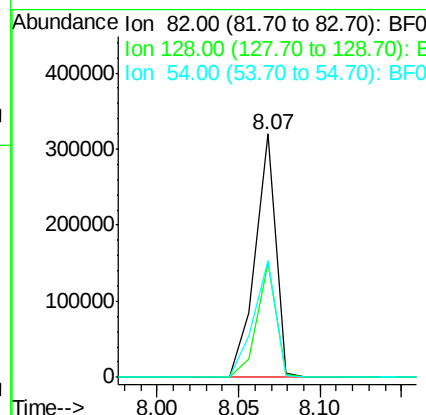
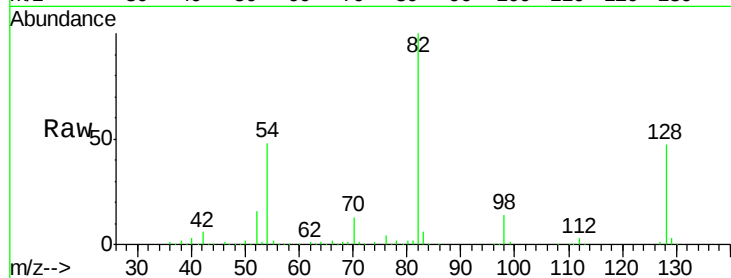




#23
 Nitrobenzene-d5
 Concen: 77.71 ng
 RT: 8.07 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: BF079731.D
 Acq: 5 Jun 2015 7:08

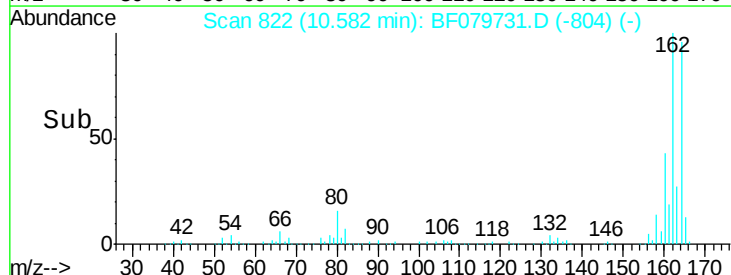
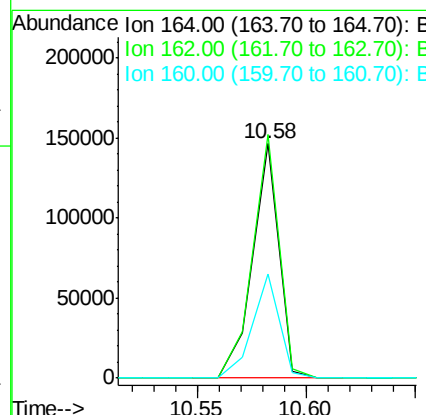
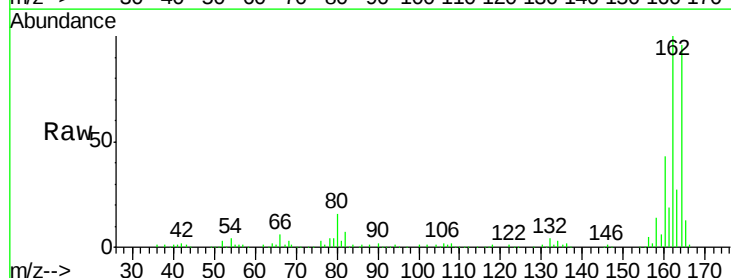
Instrument :
 BNA_F
 ClientSampleId :
 SEC-3.3-SP

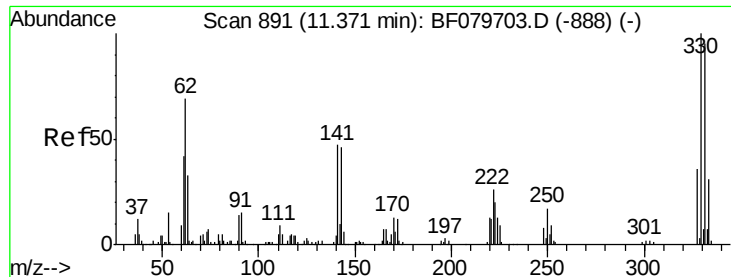
Tgt Ion: 82 Resp: 282095
 Ion Ratio Lower Upper
 82 100
 128 46.9 37.6 56.4
 54 47.9 39.4 59.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.58 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF079731.D
 Acq: 5 Jun 2015 7:08

Tgt Ion: 164 Resp: 123147
 Ion Ratio Lower Upper
 164 100
 162 103.8 82.6 123.8
 160 44.5 36.8 55.2

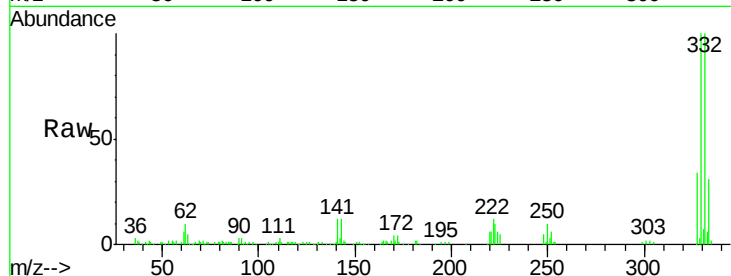




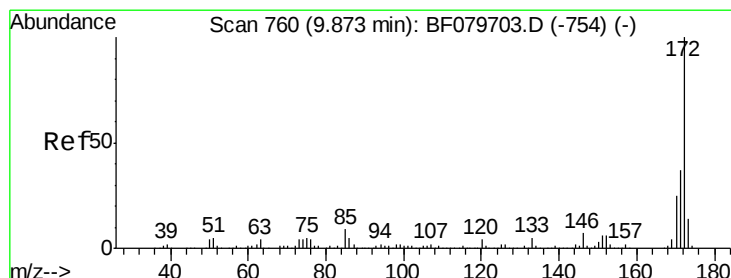
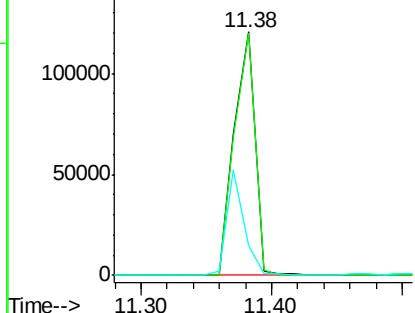
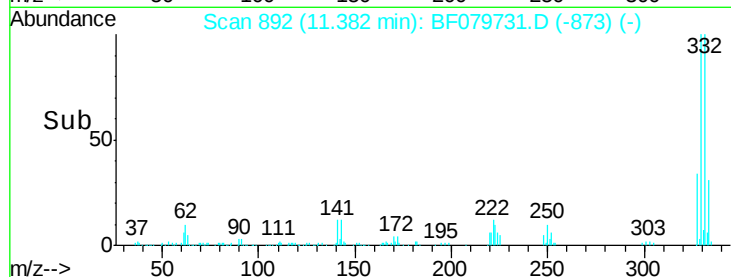
#41
 2,4,6-Tribromophenol
 Concen: 120.88 ng
 RT: 11.38 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: BF079731.D
 Acq: 5 Jun 2015 7:08

Instrument :
 BNA_F
 ClientSampleId :
 SEC-3.3-SP

Tgt Ion:330 Resp: 133681
 Ion Ratio Lower Upper
 330 100
 332 98.8 77.4 116.0
 141 37.4 30.2 45.2

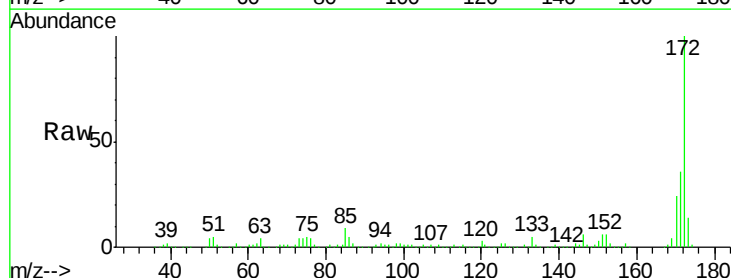


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

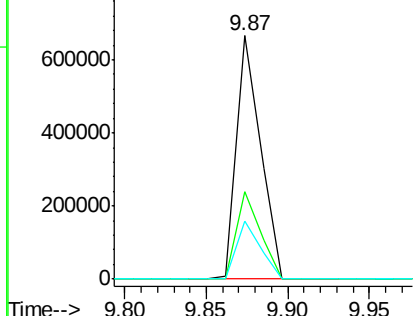
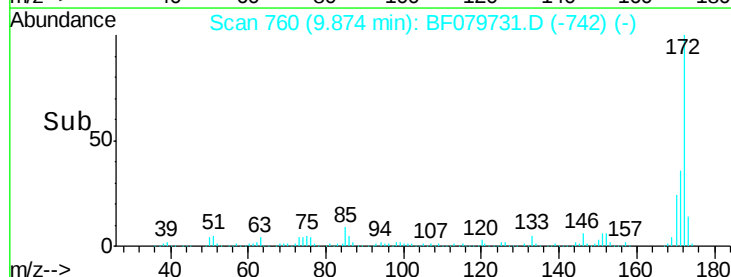


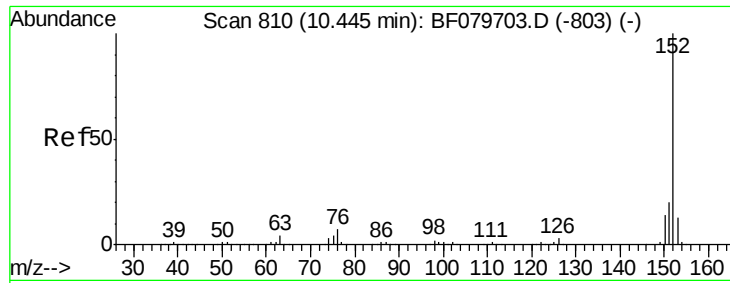
#44
 2-Fluorobiphenyl
 Concen: 79.03 ng
 RT: 9.87 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF079731.D
 Acq: 5 Jun 2015 7:08

Tgt Ion:172 Resp: 672243
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 23.7 19.7 29.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.03 ng

RT: 10.45 min Scan# 810

Delta R.T. 0.01 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SEC-3.3-SP

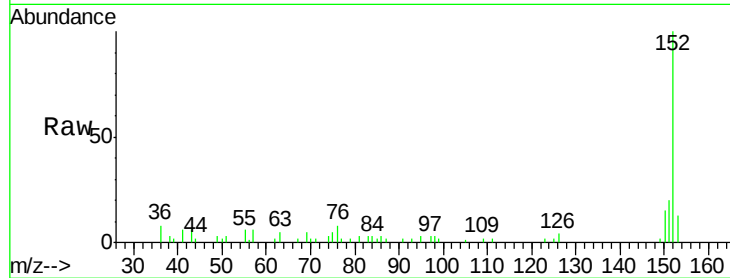
Tgt Ion:152 Resp: 27926

Ion Ratio Lower Upper

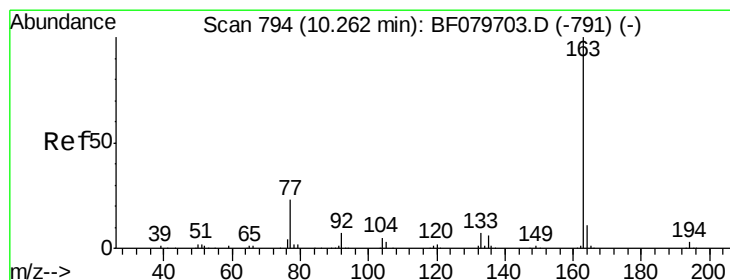
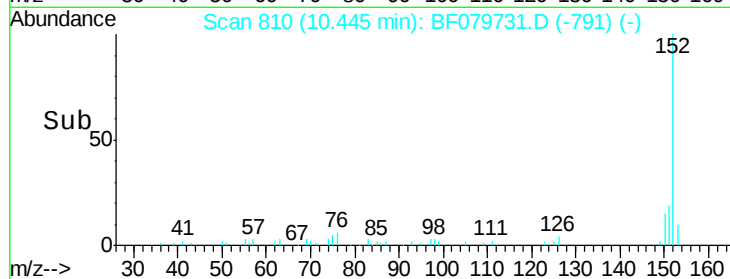
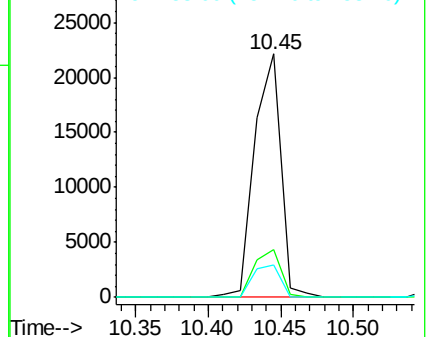
152 100

151 19.8 16.2 24.4

153 13.3 10.4 15.6



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: 6.51 ng

RT: 10.26 min Scan# 794

Delta R.T. 0.00 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

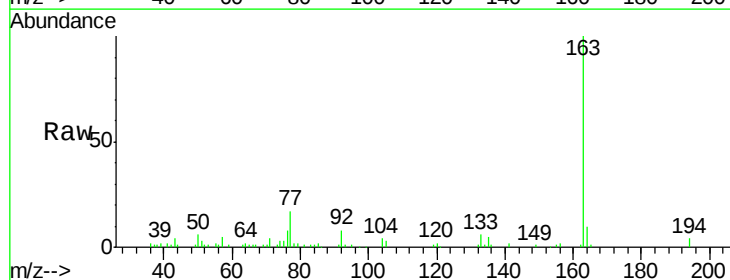
Tgt Ion:163 Resp: 61737

Ion Ratio Lower Upper

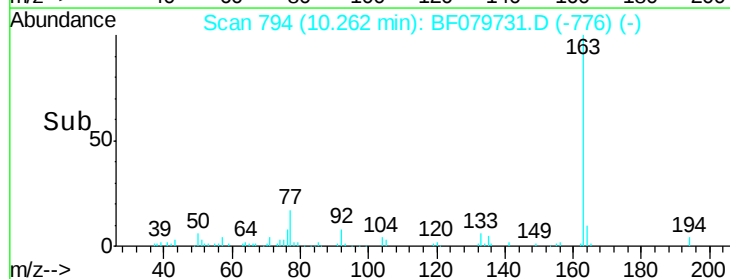
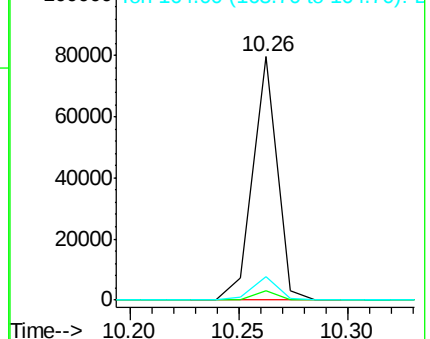
163 100

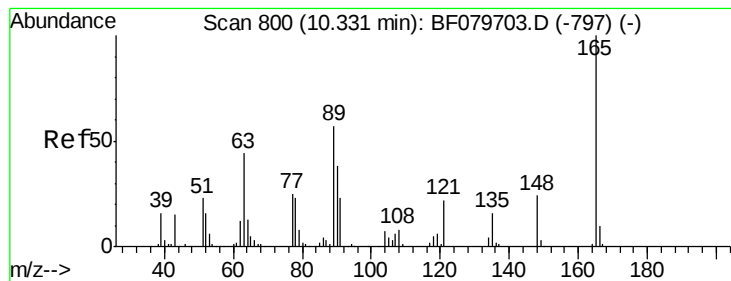
194 3.9 2.6 3.8#

164 9.6 8.5 12.7



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





#50

2,6-Dinitrotoluene

Concen: 3.42 ng

RT: 10.26 min Scan# 794

Delta R.T. -0.07 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SEC-3.3-SP

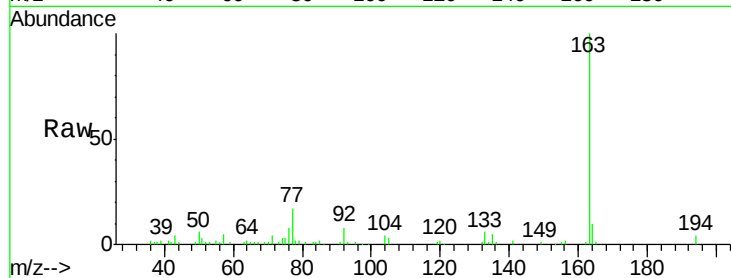
Tgt Ion:165 Resp: 708

Ion Ratio Lower Upper

165 100

63 113.9 45.2 67.8#

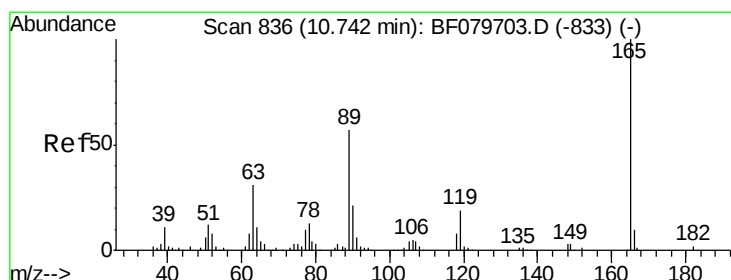
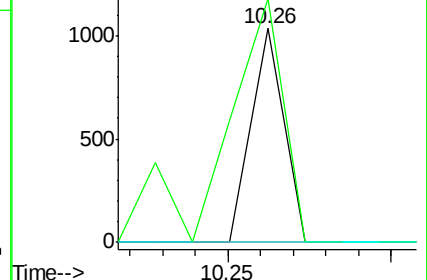
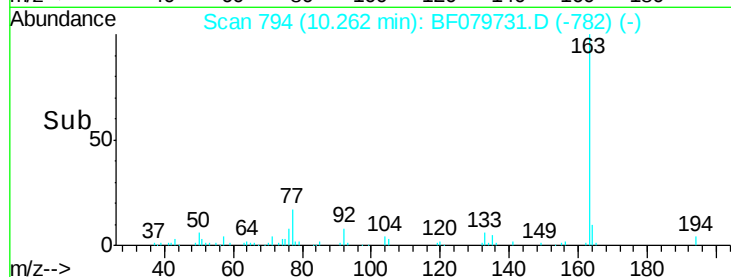
89 0.0 45.9 68.9#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.87 ng

RT: 10.58 min Scan# 822

Delta R.T. -0.16 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

Tgt Ion:165 Resp: 13807

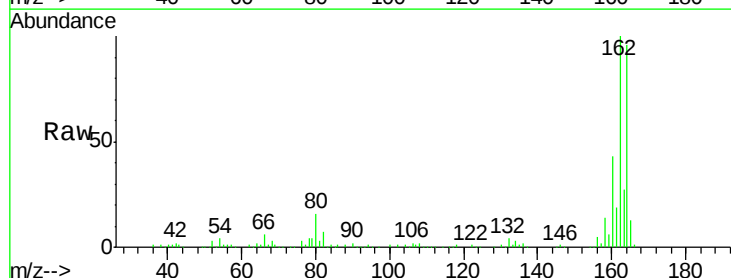
Ion Ratio Lower Upper

165 100

63 2.0 24.7 37.1#

89 0.0 45.7 68.5#

182 0.0 1.8 2.8#

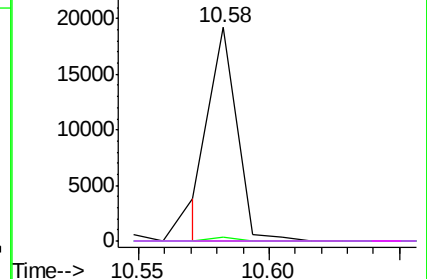
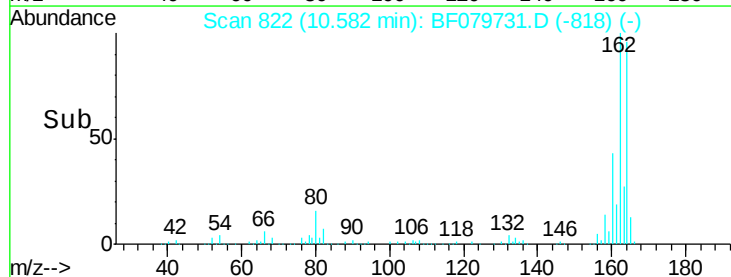


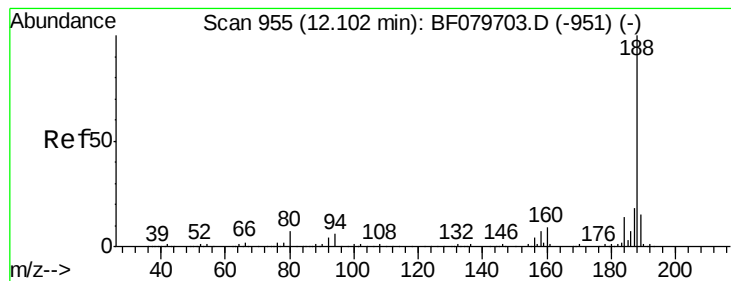
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.10 min Scan# 955

Delta R.T. 0.02 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SEC-3.3-SP

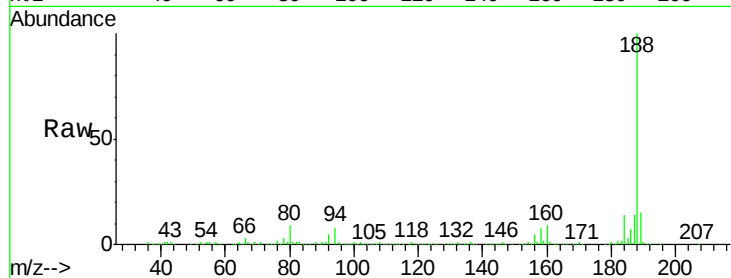
Tgt Ion:188 Resp: 243782

Ion Ratio Lower Upper

188 100

94 7.5 5.0 7.4#

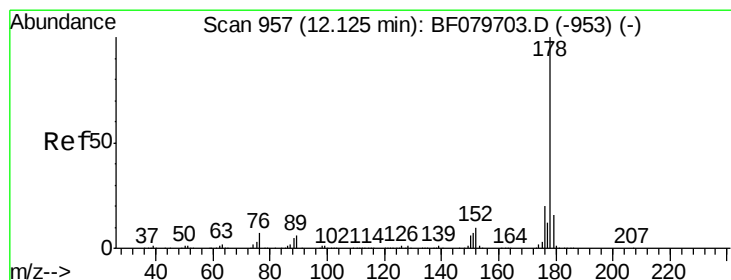
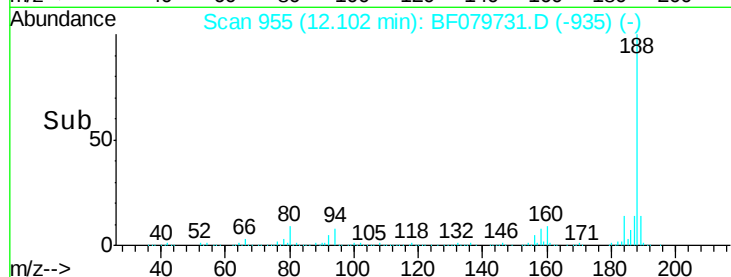
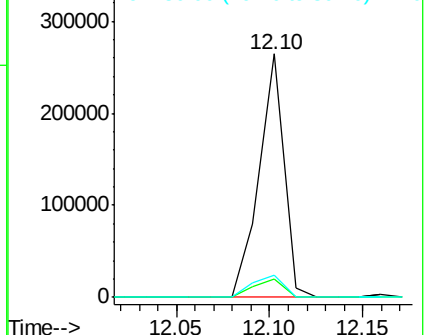
80 9.0 5.3 7.9#



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: 3.65 ng

RT: 12.13 min Scan# 957

Delta R.T. 0.01 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

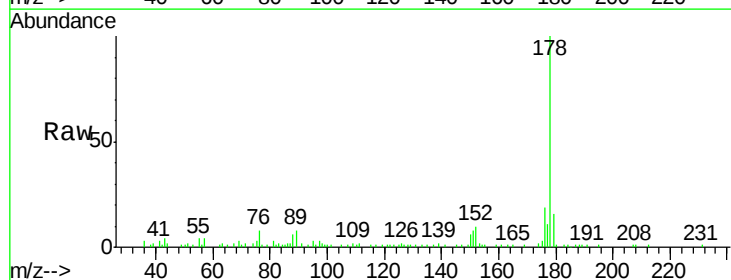
Tgt Ion:178 Resp: 51761

Ion Ratio Lower Upper

178 100

176 19.3 16.2 24.4

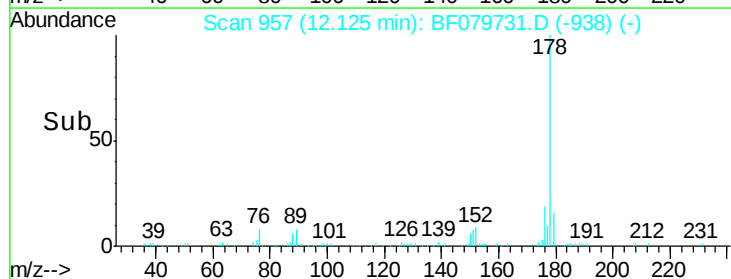
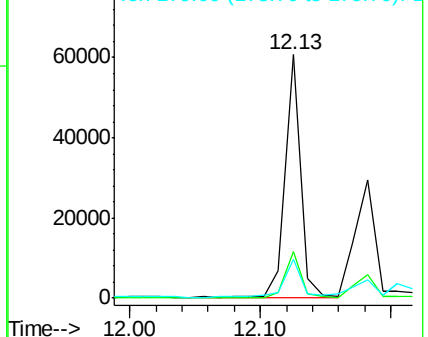
179 16.2 12.6 19.0

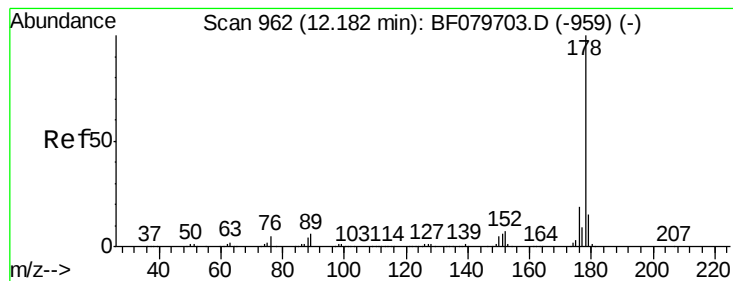


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.23 ng

RT: 12.18 min Scan# 962

Delta R.T. 0.02 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SEC-3.3-SP

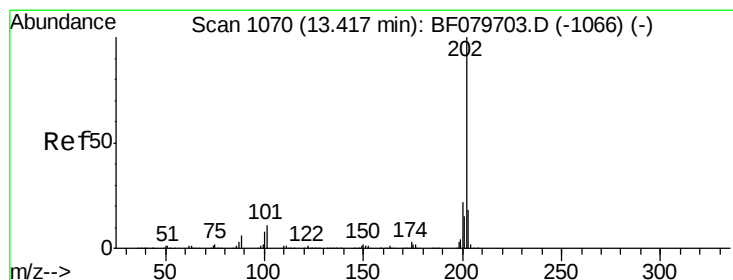
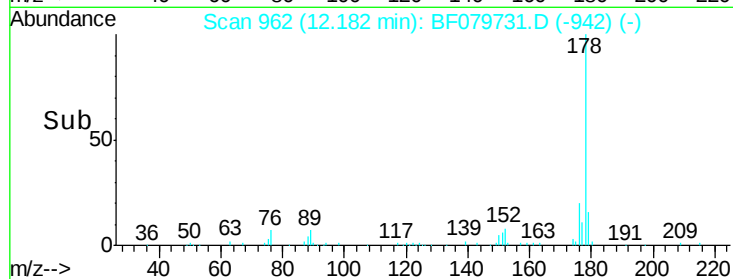
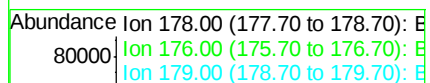
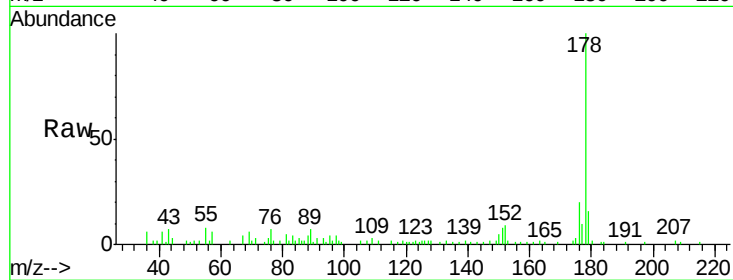
Tgt Ion:178 Resp: 31275

Ion Ratio Lower Upper

178 100

176 19.5 14.8 22.2

179 16.0 12.2 18.2



#74

Fluoranthene

Concen: 9.62 ng

RT: 13.42 min Scan# 1070

Delta R.T. 0.07 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

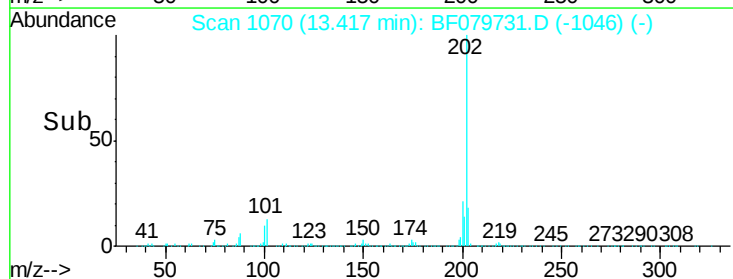
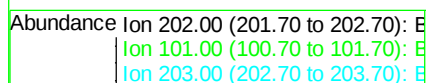
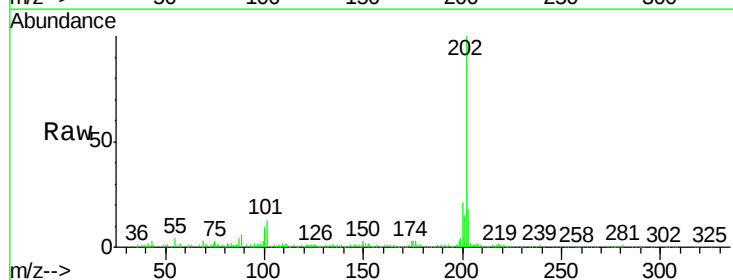
Tgt Ion:202 Resp: 147985

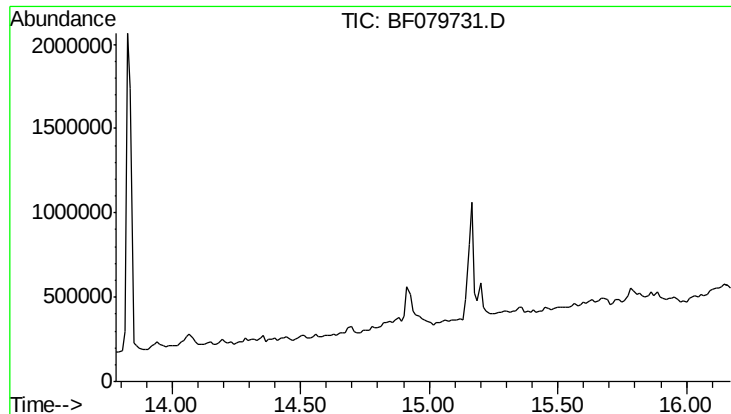
Ion Ratio Lower Upper

202 100

101 13.2 0.0 31.3

203 18.0 0.0 38.4





#75

Chrysene-d12

Concen: 0.00 ng

Expected RT: 14.98 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SEC-3.3-SP

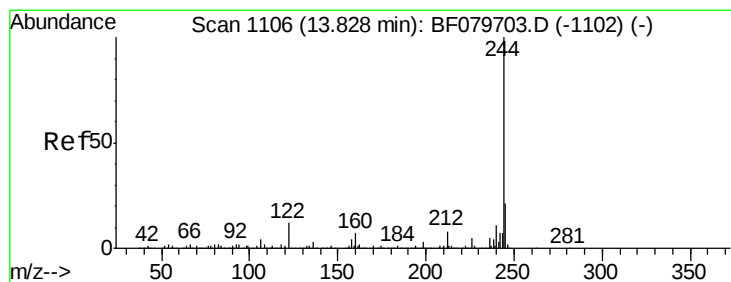
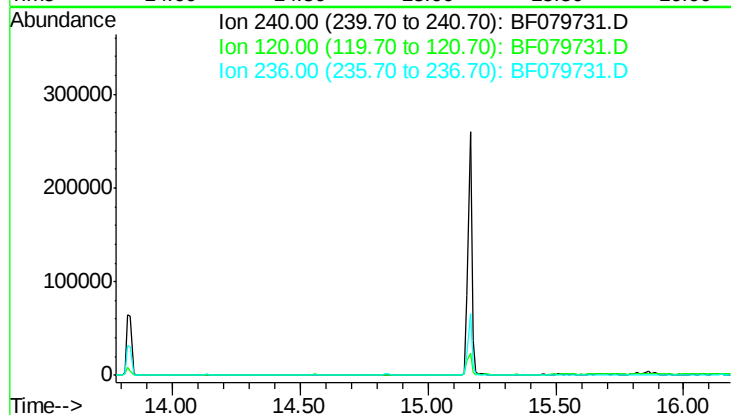
Tgt Ion: 240

Sig Exp Ratio

240 100

120 7.7

236 26.2



#78

Terphenyl-d14

Concen: 0.00 ng

RT: 13.84 min Scan# 1107

Delta R.T. 0.10 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

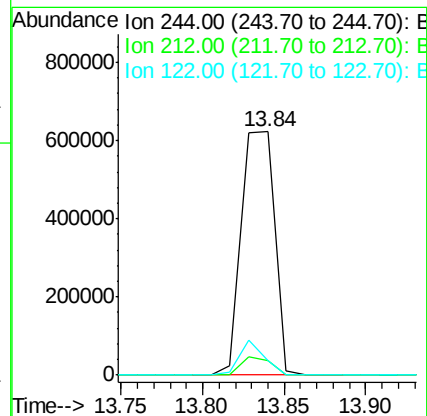
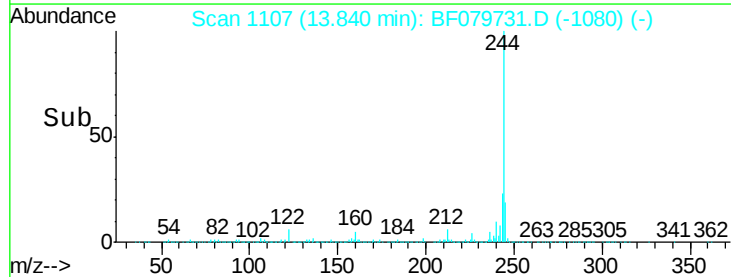
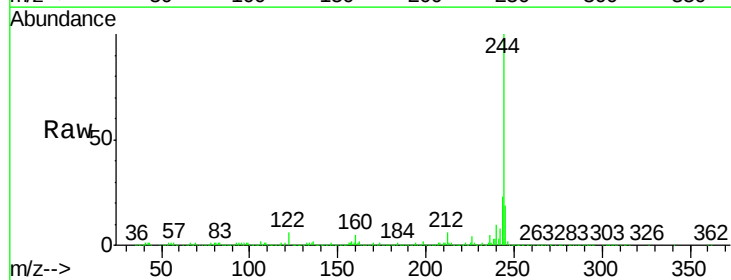
Tgt Ion:244 Resp: 879426

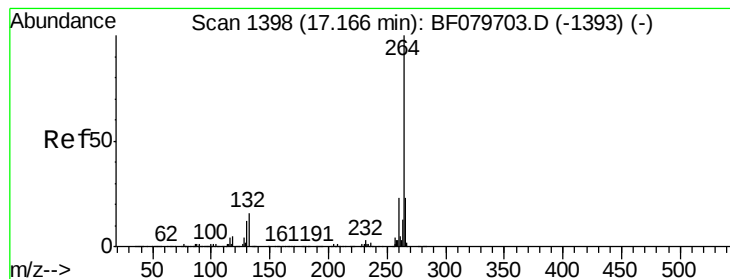
Ion Ratio Lower Upper

244 100

212 6.1 6.1 9.1

122 6.2 9.3 13.9#





#86

Perylene-d12

Concen: 20.00 ng

RT: 16.89 min Scan# 1374

Delta R.T. -0.02 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SEC-3.3-SP

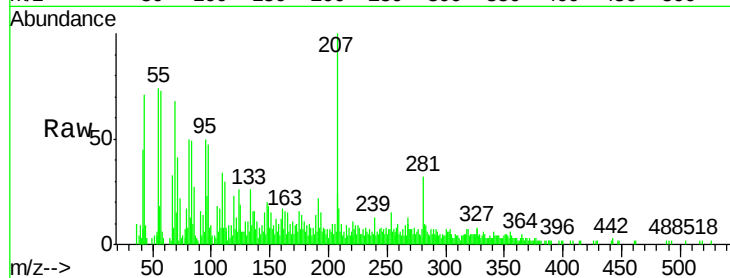
Tgt Ion: 264 Resp: 120

Ion Ratio Lower Upper

264 100

260 105.6 18.6 27.8#

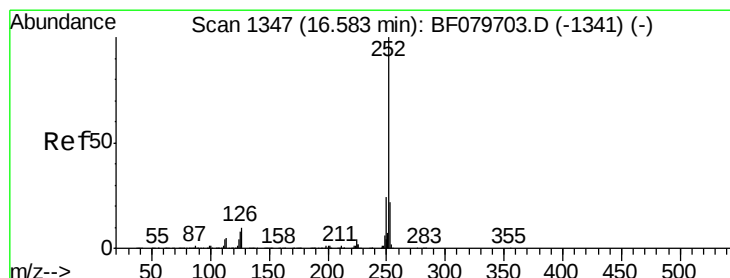
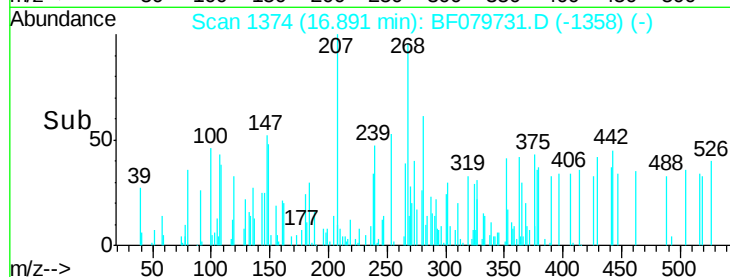
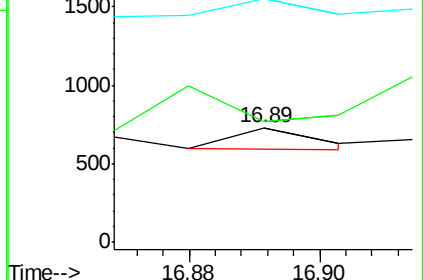
265 212.5 18.2 27.4#



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: 155.67 ng

RT: 16.27 min Scan# 1320

Delta R.T. -0.06 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

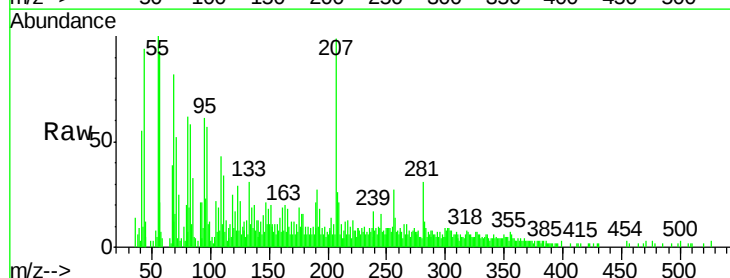
Tgt Ion: 252 Resp: 1205

Ion Ratio Lower Upper

252 100

253 102.1 17.4 26.2#

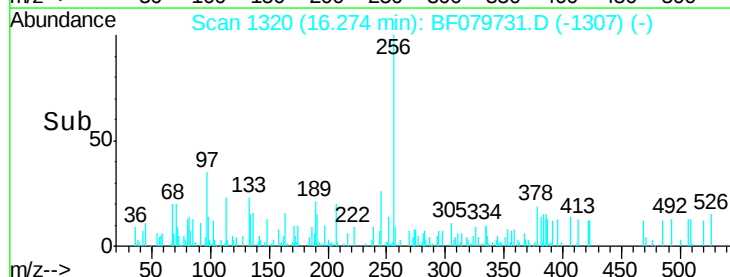
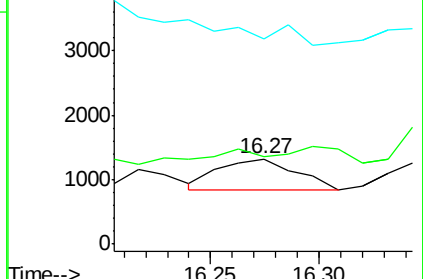
125 240.8 6.5 9.7#

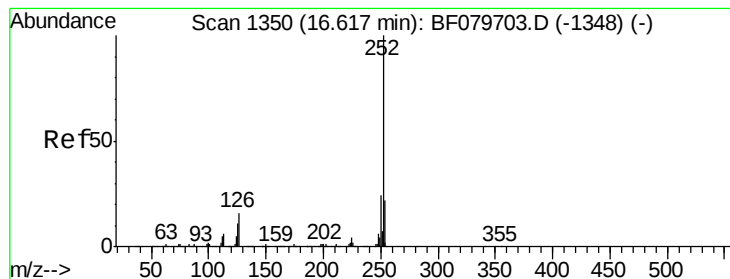


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 269.69 ng

RT: 16.37 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SEC-3.3-SP

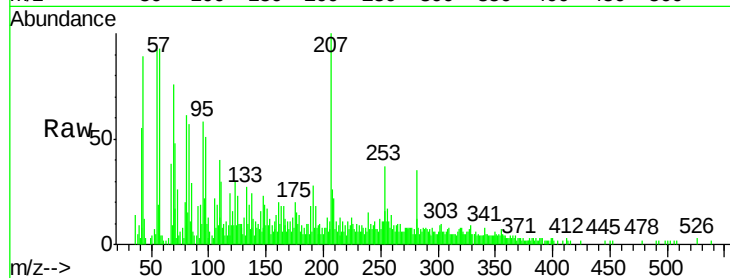
Tgt Ion:252 Resp: 1992

Ion Ratio Lower Upper

252 100

253 321.9 17.8 26.8#

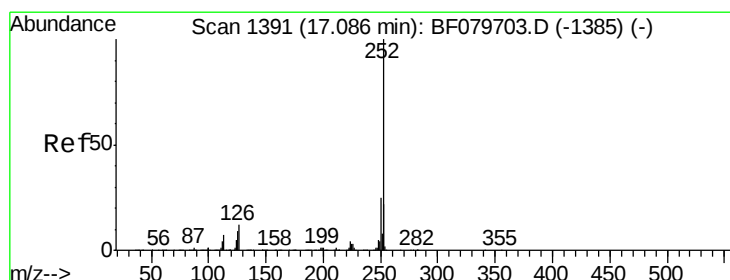
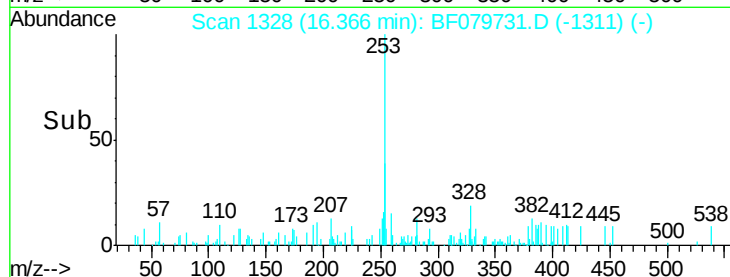
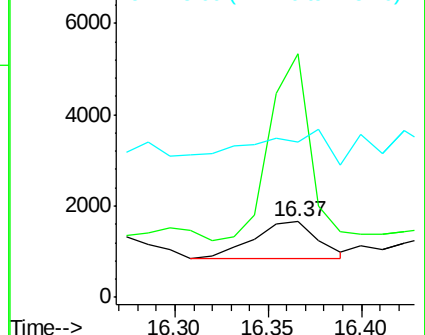
125 204.6 8.4 12.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 3962.78 ng

RT: 16.73 min Scan# 1360

Delta R.T. -0.10 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

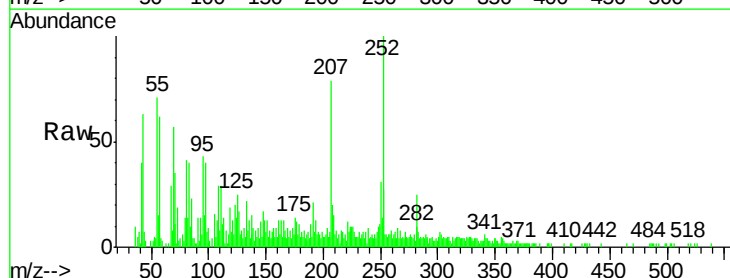
Tgt Ion:252 Resp: 28025

Ion Ratio Lower Upper

252 100

253 27.1 17.6 26.4#

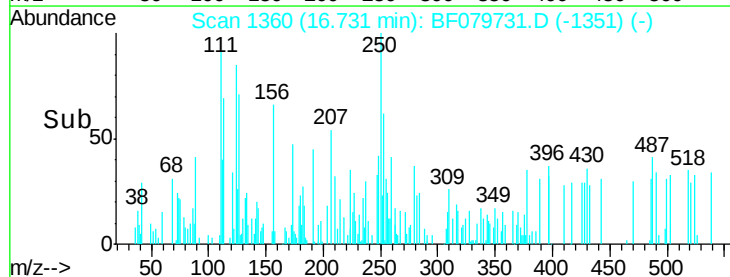
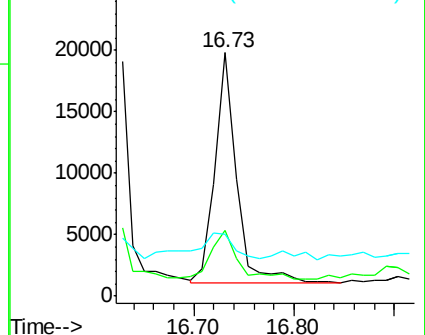
125 25.4 7.4 11.0#

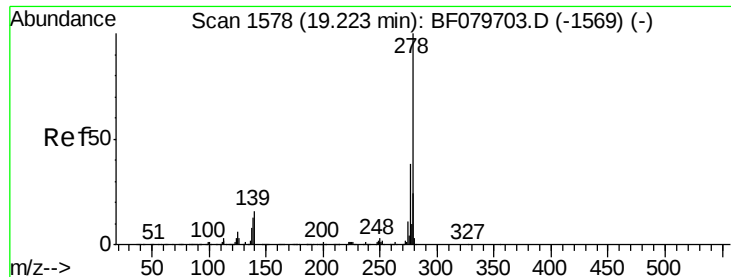


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2025.65 ng

RT: 18.94 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

Instrument :

BNA_F

ClientSampleId :

SEC-3.3-SP

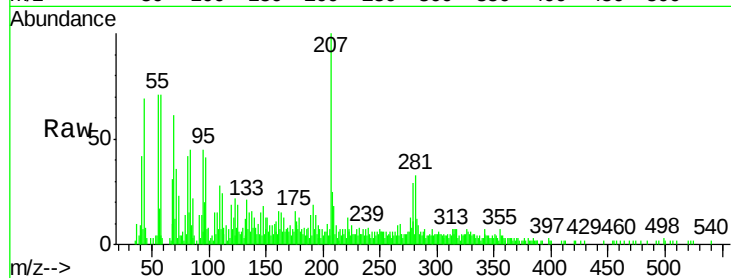
Tgt Ion:278 Resp: 13234

Ion Ratio Lower Upper

278 100

139 42.5 12.7 19.1#

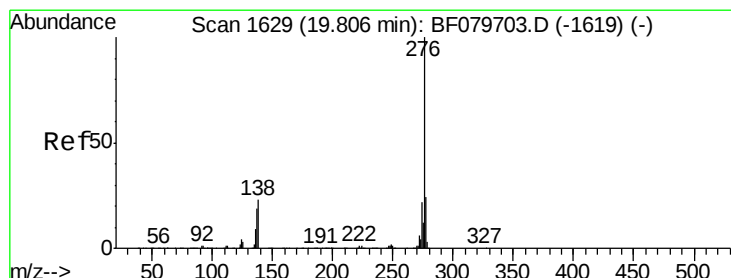
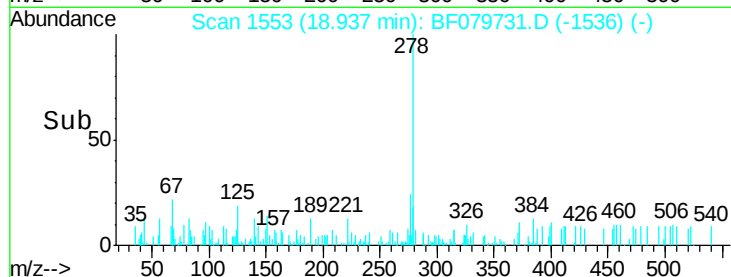
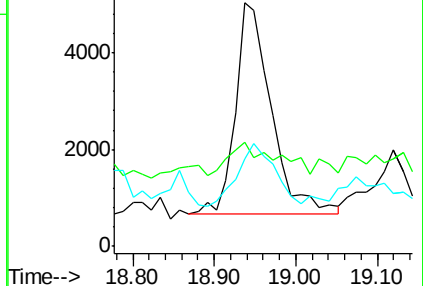
279 35.9 19.4 29.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 555.51 ng

RT: 19.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BF079731.D

Acq: 5 Jun 2015 7:08

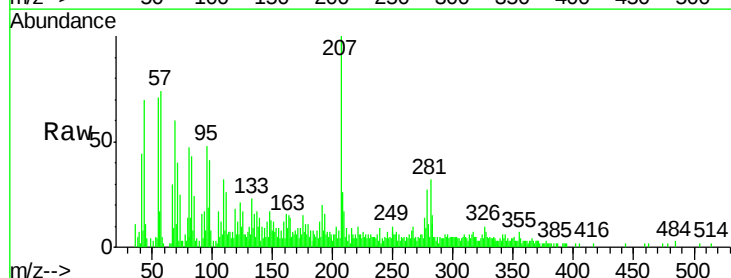
Tgt Ion:276 Resp: 3711

Ion Ratio Lower Upper

276 100

277 62.3 18.8 28.2#

138 67.6 18.2 27.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

