

Data Path : Z:\HPCHEM1\BNA_F\Data\BF041615\
 Data File : BF078563.D
 Acq On : 16 Apr 2015 14:04
 Operator : TP/IZ
 Sample : G1889-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-014-A

Quant Time: Apr 16 16:36:03 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 16 16:17:35 2015
 Response via : Initial Calibration

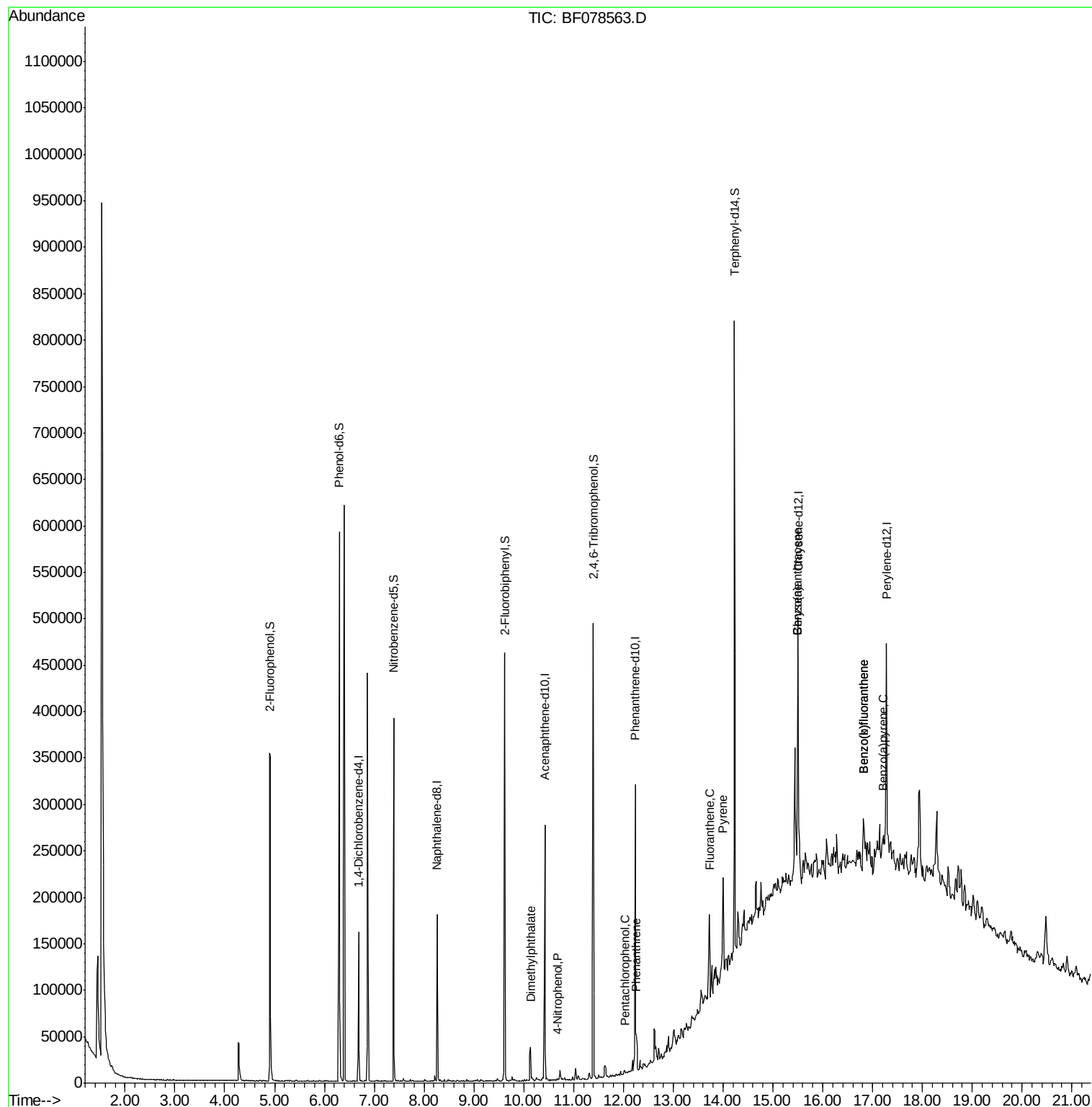
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	27007	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	111589	20.00	ng	-0.01
38) Acenaphthene-d10	10.42	164	58606	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	115671	20.00	ng	0.00
75) Chrysene-d12	15.51	240	124369	20.00	ng	0.02
86) Perylene-d12	17.28	264	126841	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	169552	103.51	ng	0.01
7) Phenol-d6	6.30	99	224641	109.43	ng	0.00
23) Nitrobenzene-d5	7.39	82	131609	71.49	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	56378	115.99	ng	0.00
44) 2-Fluorobiphenyl	9.62	172	223332	54.47	ng	0.00
78) Terphenyl-d14	14.23	244	266223	48.37	ng	0.00
Target Compounds						
49) Dimethylphthalate	10.14	163	21916	4.98	ng	# 95
55) 4-Nitrophenol	10.67	139	254	3.09	ng	# 18
69) Pentachlorophenol	12.02	266	715	8.84	ng	# 53
70) Phenanthrene	12.26	178	19249	2.88	ng	99
74) Fluoranthene	13.73	202	40635	5.76	ng	94
77) Pyrene	14.00	202	36180	4.63	ng	# 94
80) Benzo(a)anthracene	15.50	228	19658	2.66	ng	# 92
82) Chrysene	15.50	228	18224	2.62	ng	97
87) Benzo(b)fluoranthene	16.82	252	35523	4.53	ng	# 77
88) Benzo(k)fluoranthene	16.82	252	32551	4.67	ng	# 81
89) Benzo(a)pyrene	17.21	252	16955	2.48	ng	# 75

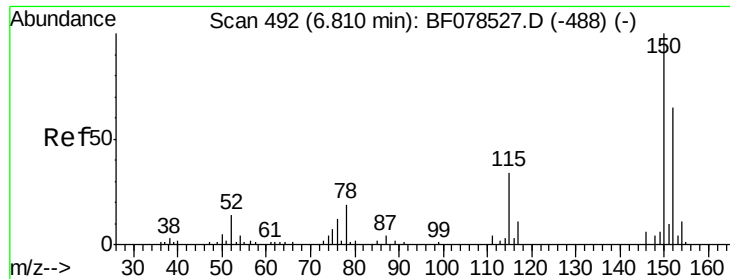
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 481

Delta R.T. 0.00 min

Lab File: BF078563.D

Acq: 16 Apr 2015 14:04

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-014-A

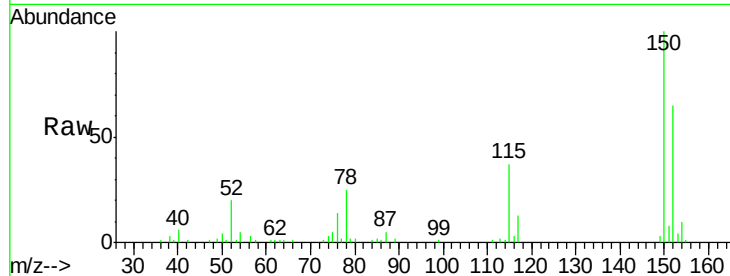
Tgt Ion:152 Resp: 27007

Ion Ratio Lower Upper

152 100

150 154.3 125.9 188.9

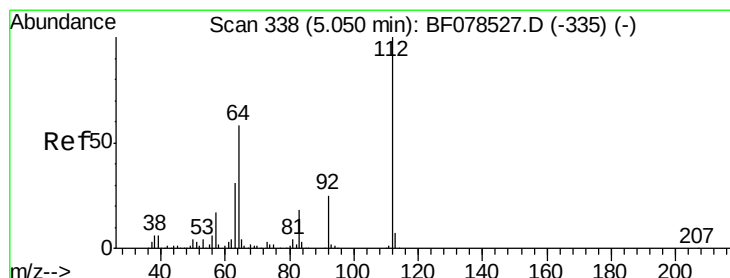
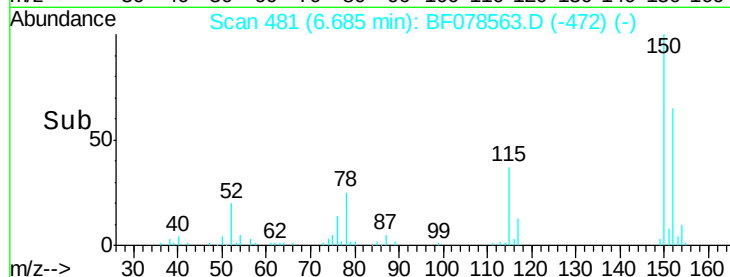
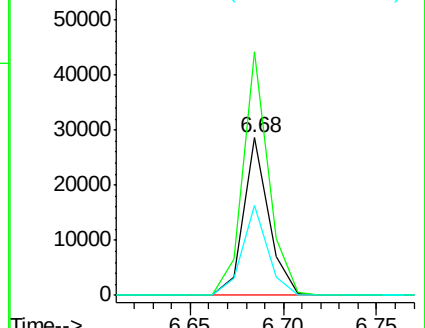
115 56.8 52.7 79.1



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: 103.51 ng

RT: 4.91 min Scan# 326

Delta R.T. 0.01 min

Lab File: BF078563.D

Acq: 16 Apr 2015 14:04

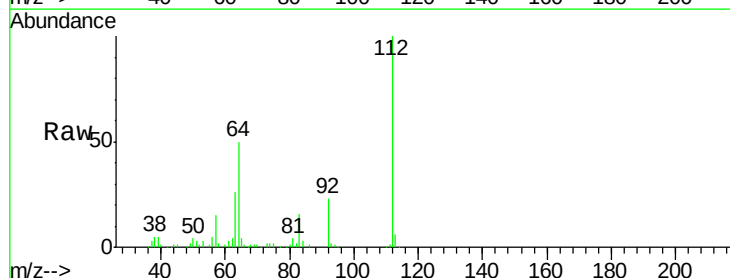
Tgt Ion:112 Resp: 169552

Ion Ratio Lower Upper

112 100

64 49.6 39.9 59.9

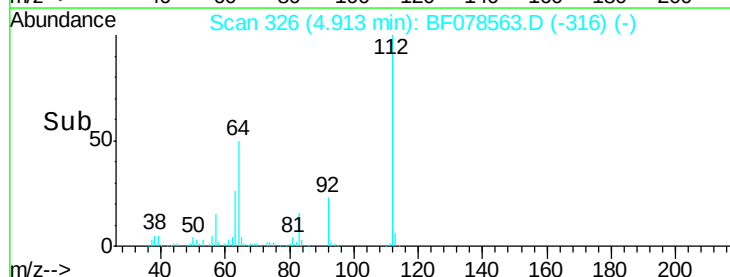
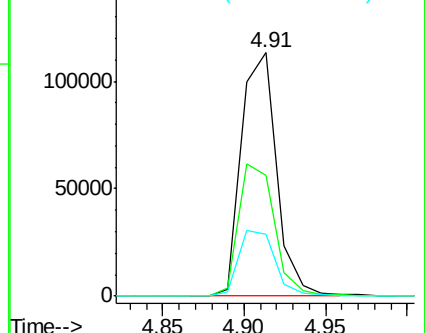
63 25.6 20.2 30.4

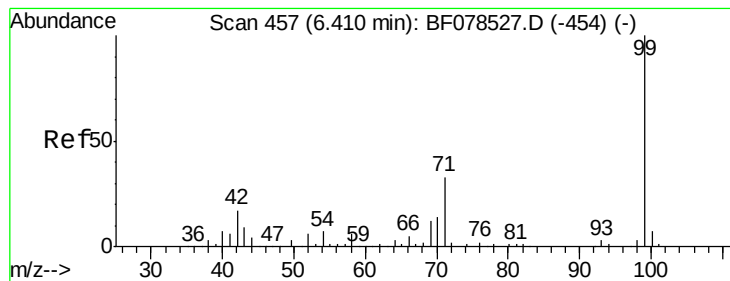


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.43 ng

RT: 6.30 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF078563.D

Acq: 16 Apr 2015 14:04

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-014-A

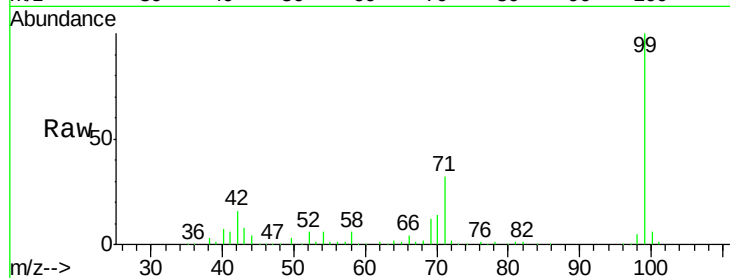
Tgt Ion: 99 Resp: 224641

Ion Ratio Lower Upper

99 100

42 16.1 14.8 22.2

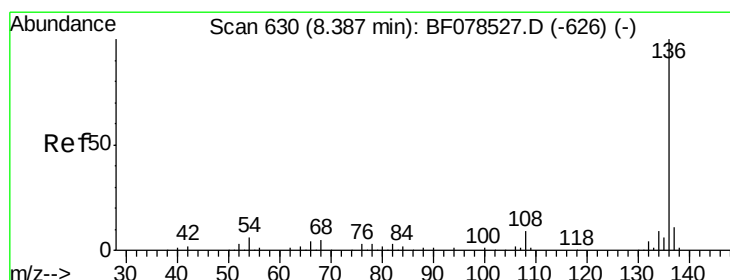
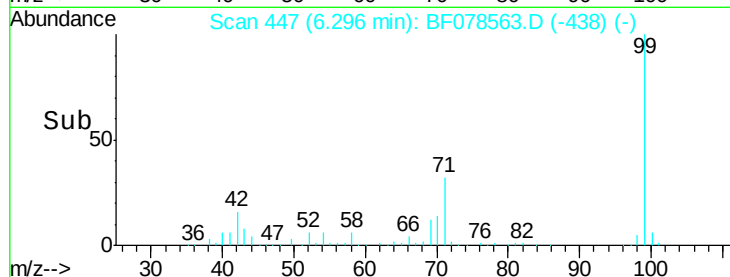
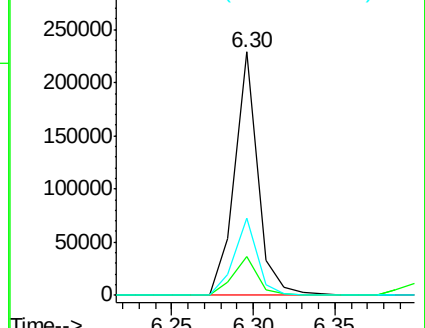
71 31.7 26.6 39.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 619

Delta R.T. -0.01 min

Lab File: BF078563.D

Acq: 16 Apr 2015 14:04

Tgt Ion: 136 Resp: 111589

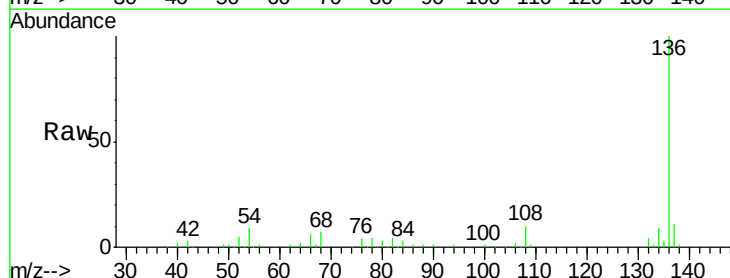
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 9.4 7.0 10.6

68 7.1 5.4 8.2

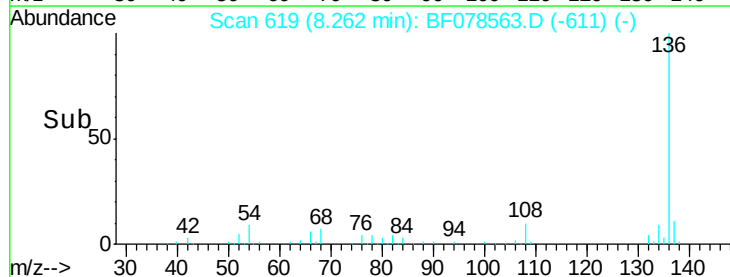
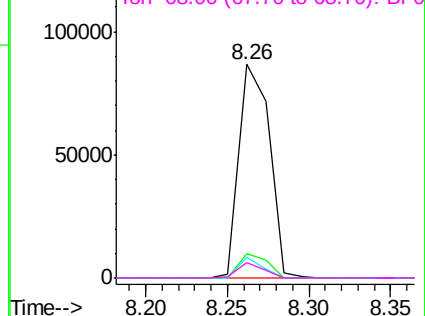


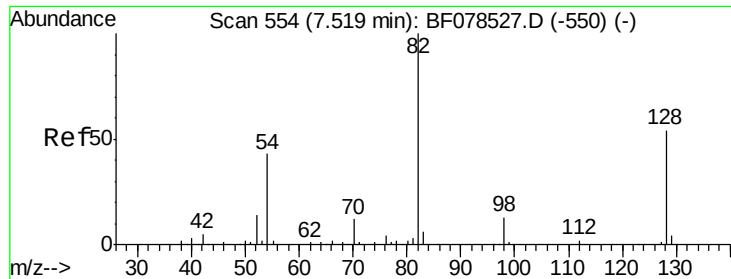
Abundance Ion 136.00 (135.70 to 136.70): E

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

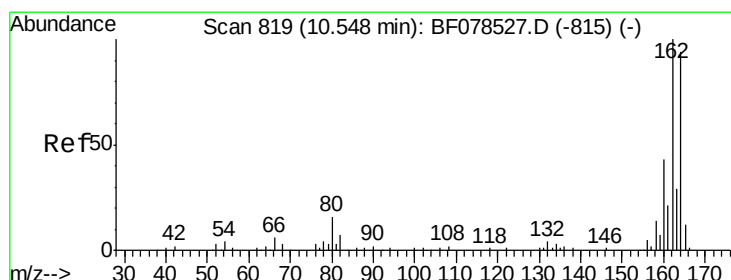
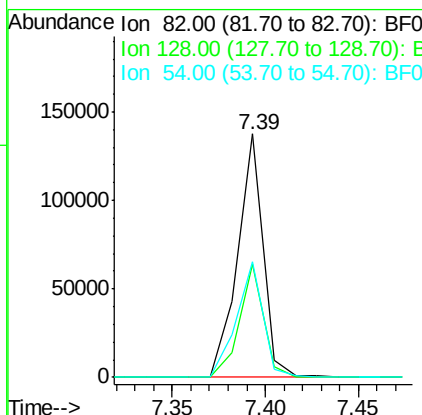
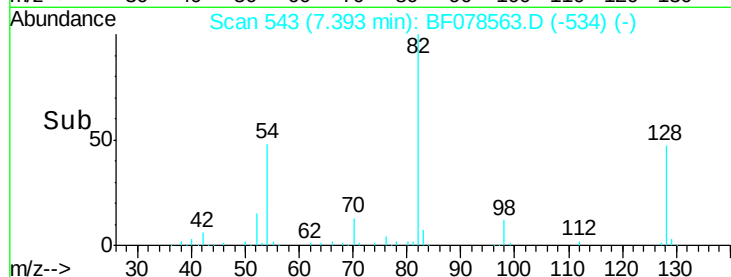
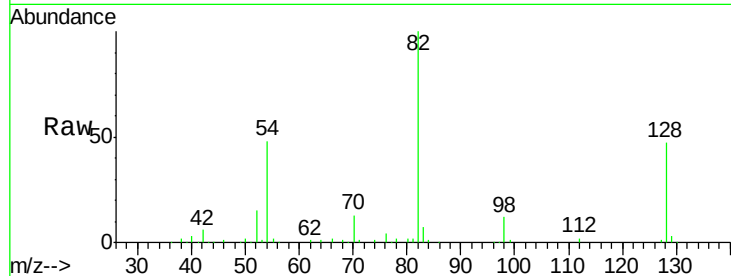




#23
 Nitrobenzene-d5
 Concen: 71.49 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF078563.D
 Acq: 16 Apr 2015 14:04

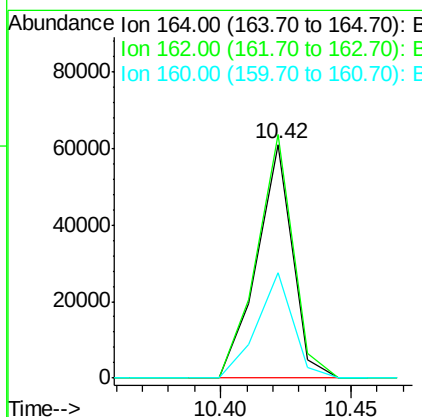
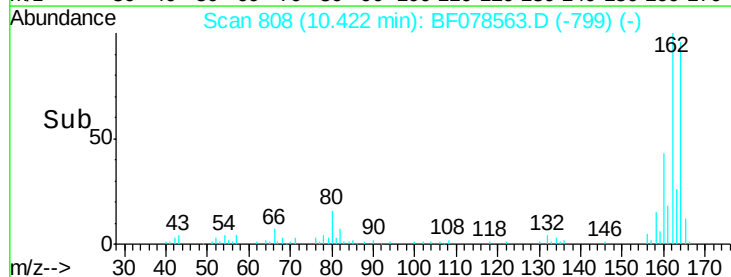
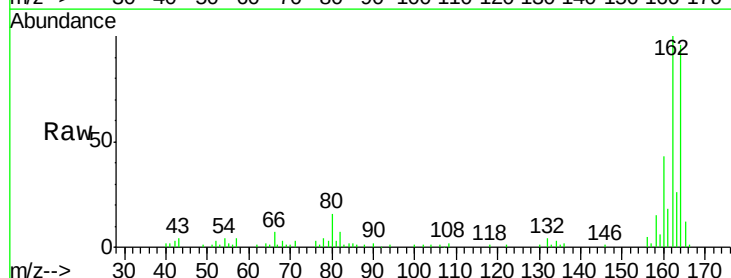
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-014-A

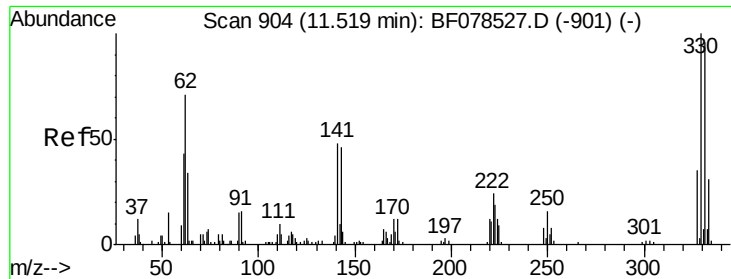
Tgt Ion: 82 Resp: 131609
 Ion Ratio Lower Upper
 82 100
 128 46.6 31.8 47.8
 54 47.6 41.5 62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF078563.D
 Acq: 16 Apr 2015 14:04

Tgt Ion: 164 Resp: 58606
 Ion Ratio Lower Upper
 164 100
 162 104.2 82.2 123.2
 160 44.9 34.7 52.1

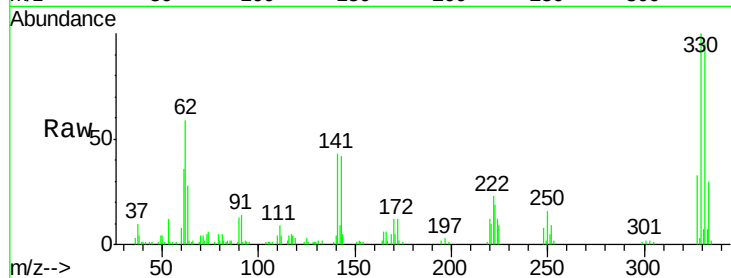




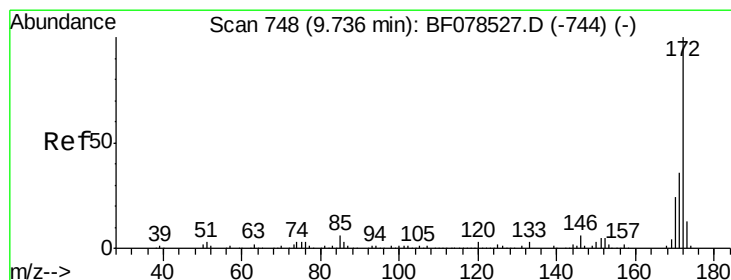
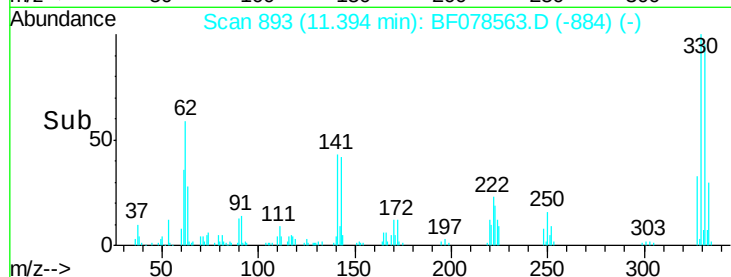
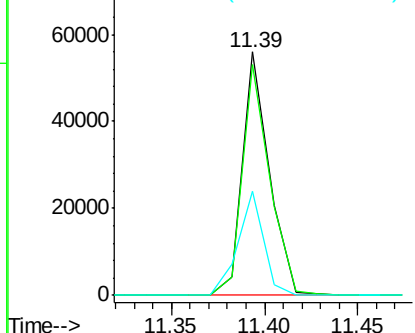
#41
 2,4,6-Tribromophenol
 Concen: 115.99 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF078563.D
 Acq: 16 Apr 2015 14:04

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-014-A

Tgt Ion:330 Resp: 56378
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.6 117.8
 141 40.8 31.2 46.8

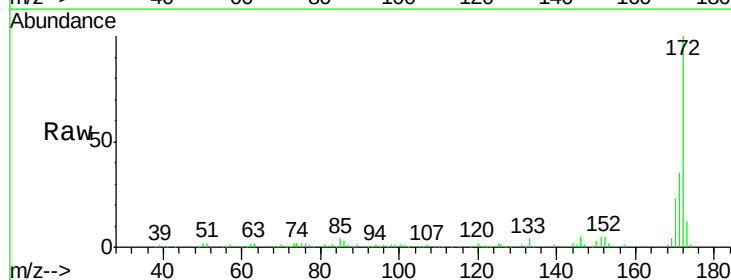


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

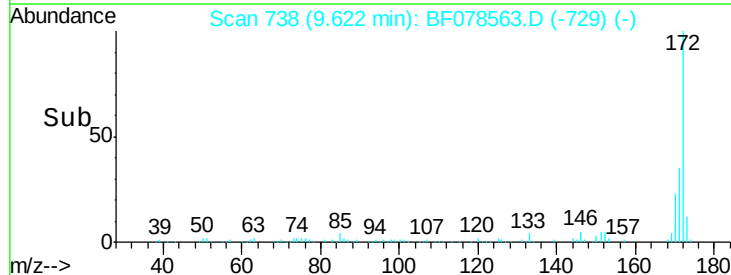
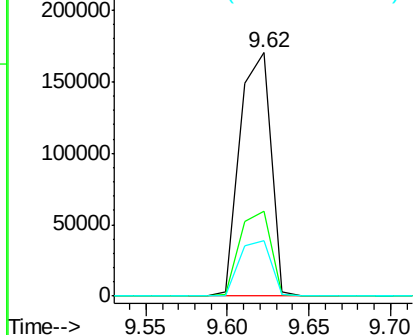


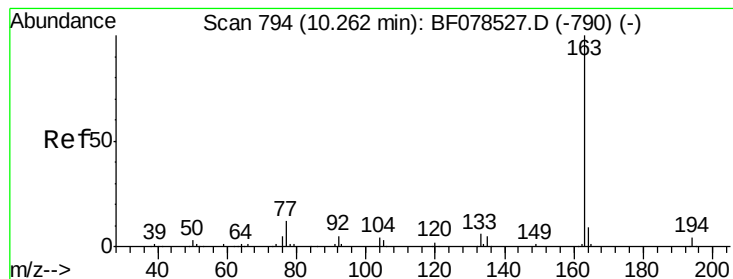
#44
 2-Fluorobiphenyl
 Concen: 54.47 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078563.D
 Acq: 16 Apr 2015 14:04

Tgt Ion:172 Resp: 223332
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.6 42.8
 170 22.6 18.5 27.7



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





#49

Dimethylphthalate

Concen: 4.98 ng

RT: 10.14 min Scan# 783

Delta R.T. 0.00 min

Lab File: BF078563.D

Acq: 16 Apr 2015 14:04

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-014-A

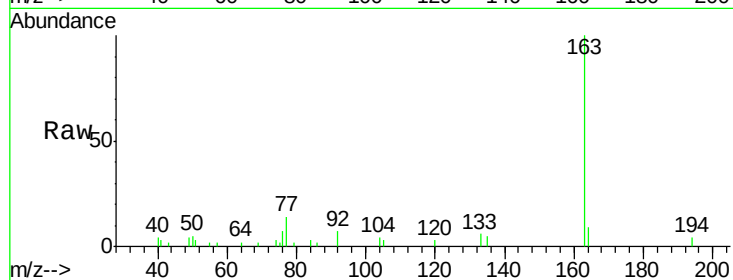
Tgt Ion:163 Resp: 21916

Ion Ratio Lower Upper

163 100

194 3.7 2.3 3.5#

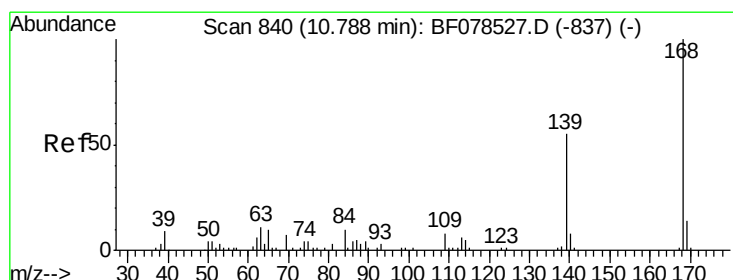
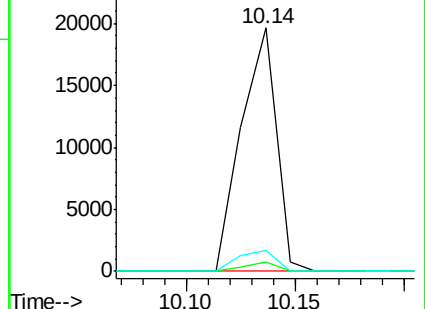
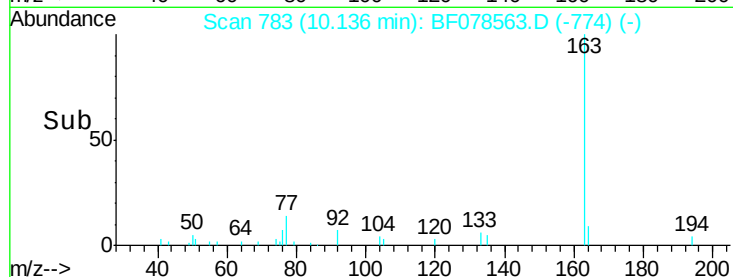
164 8.7 8.6 13.0



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



#55

4-Nitrophenol

Concen: 3.09 ng

RT: 10.67 min Scan# 830

Delta R.T. 0.02 min

Lab File: BF078563.D

Acq: 16 Apr 2015 14:04

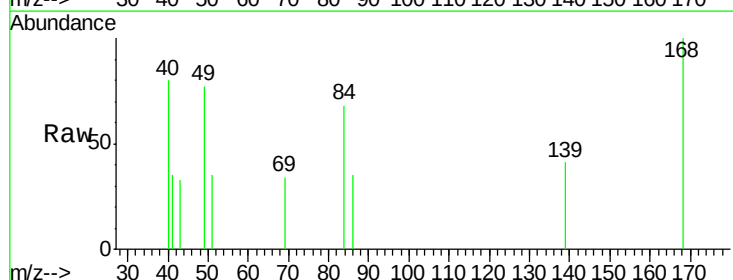
Tgt Ion:139 Resp: 254

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

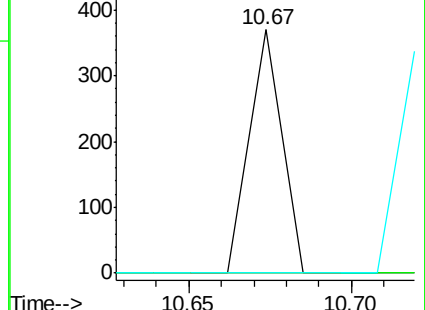
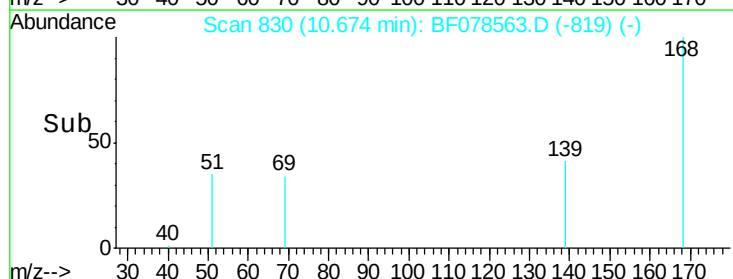
65 0.0 49.9 89.9#

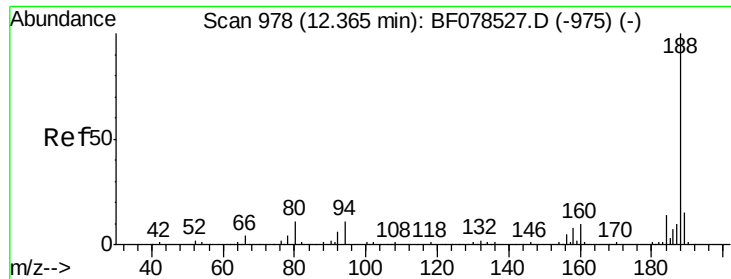


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

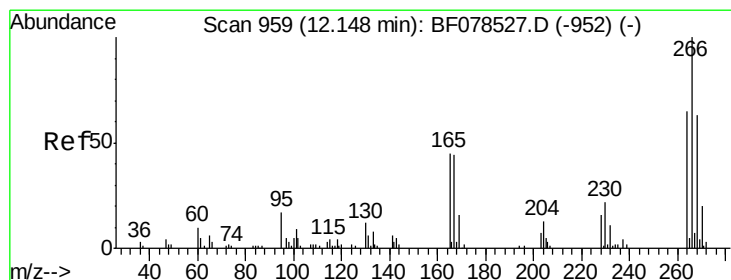
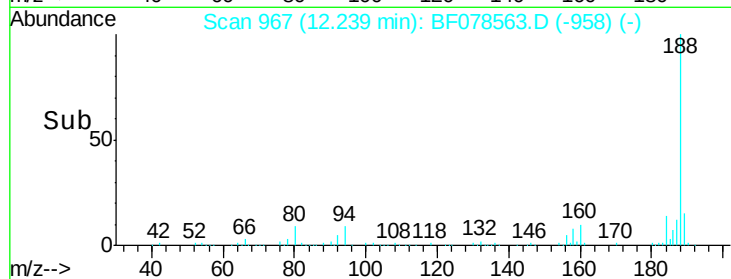
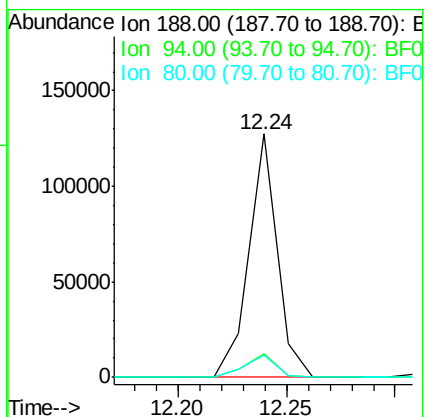
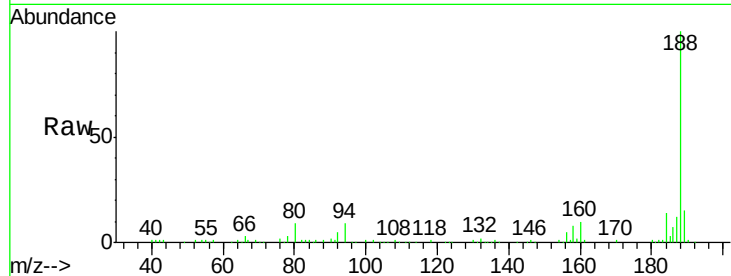




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 967
Delta R.T. 0.00 min
Lab File: BF078563.D
Acq: 16 Apr 2015 14:04

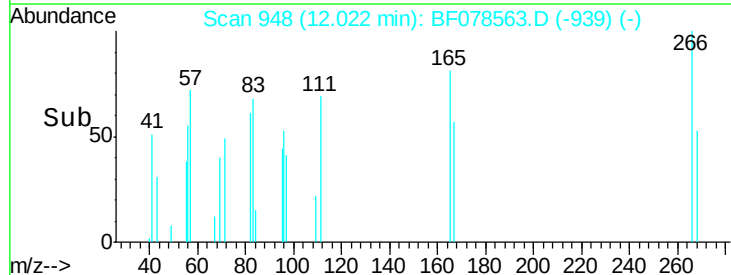
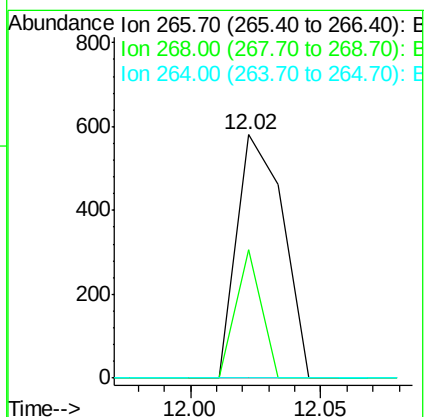
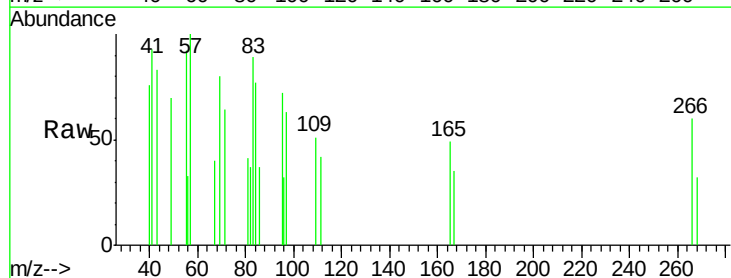
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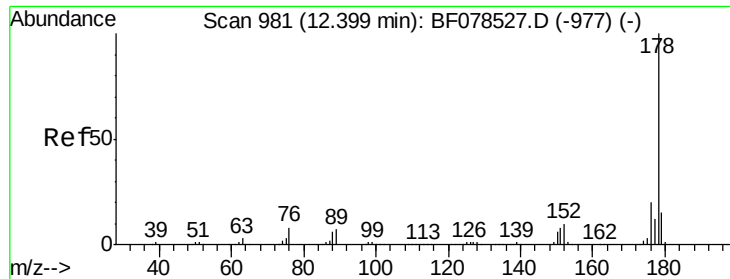
Tgt Ion:188 Resp: 115671
Ion Ratio Lower Upper
188 100
94 9.4 9.0 13.4
80 9.4 9.5 14.3#



#69
Pentachlorophenol
Concen: 8.84 ng
RT: 12.02 min Scan# 948
Delta R.T. 0.00 min
Lab File: BF078563.D
Acq: 16 Apr 2015 14:04

Tgt Ion:266 Resp: 715
Ion Ratio Lower Upper
266 100
268 53.0 50.1 75.1
264 0.0 50.0 75.0#





#70

Phenanthrene

Concen: 2.88 ng

RT: 12.26 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF078563.D

Acq: 16 Apr 2015 14:04

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-014-A

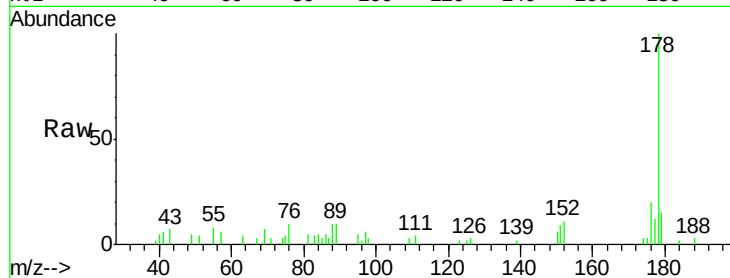
Tgt Ion:178 Resp: 19249

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.0

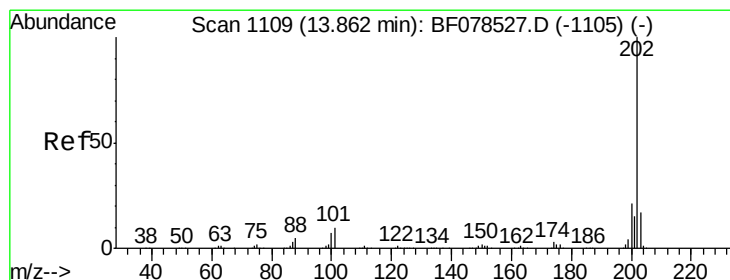
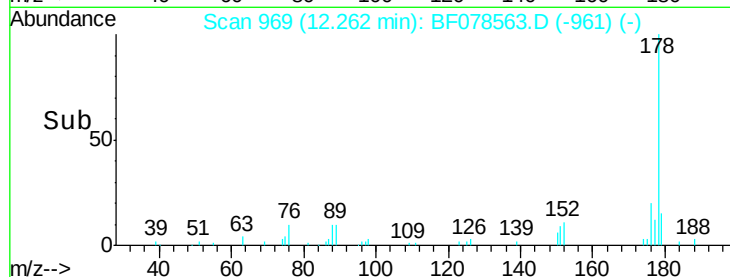
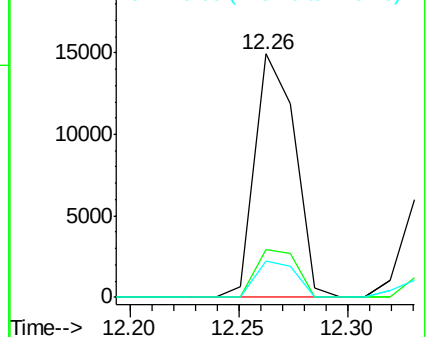
179 14.9 12.2 18.2



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



#74

Fluoranthene

Concen: 5.76 ng

RT: 13.73 min Scan# 1097

Delta R.T. 0.00 min

Lab File: BF078563.D

Acq: 16 Apr 2015 14:04

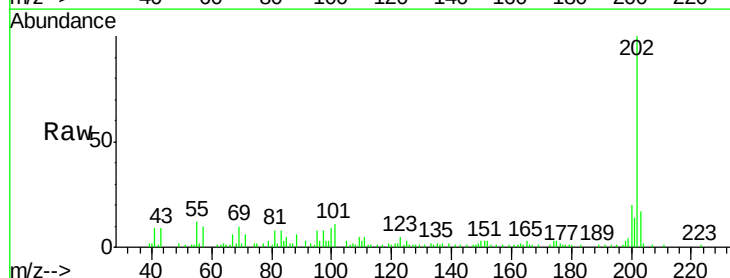
Tgt Ion:202 Resp: 40635

Ion Ratio Lower Upper

202 100

101 11.2 0.0 35.2

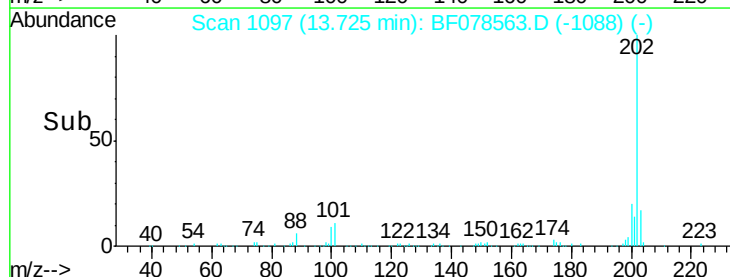
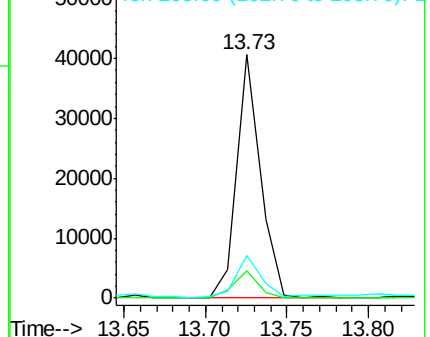
203 17.4 0.0 38.5

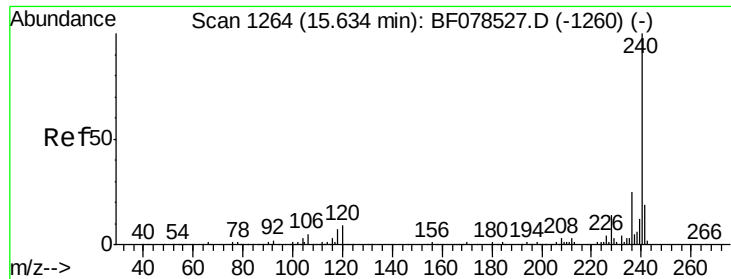


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.51 min Scan# 1253

Delta R.T. 0.02 min

Lab File: BF078563.D

Acq: 16 Apr 2015 14:04

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-014-A

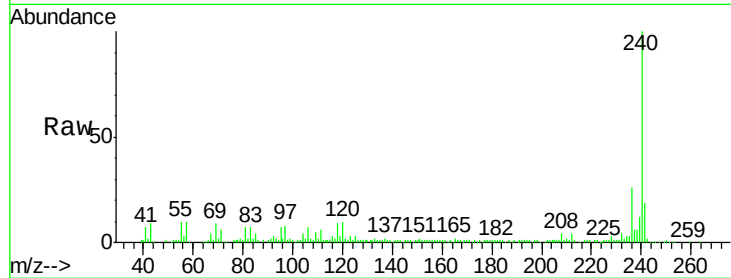
Tgt Ion:240 Resp: 124369

Ion Ratio Lower Upper

240 100

120 10.2 7.1 10.7

236 25.6 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

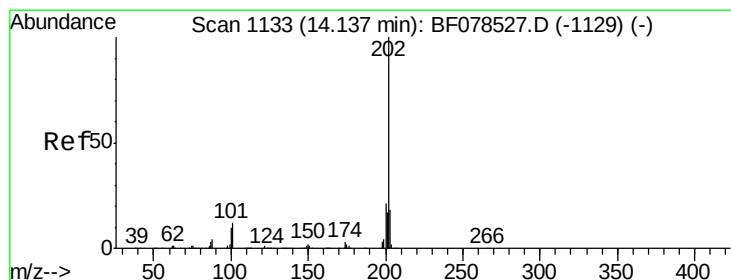
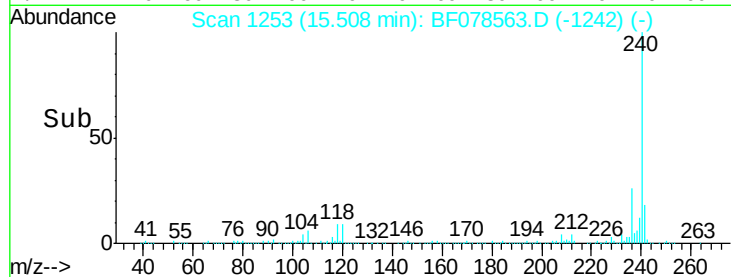
15.51

100000

50000

0

Time-->



#77

Pyrene

Concen: 4.63 ng

RT: 14.00 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BF078563.D

Acq: 16 Apr 2015 14:04

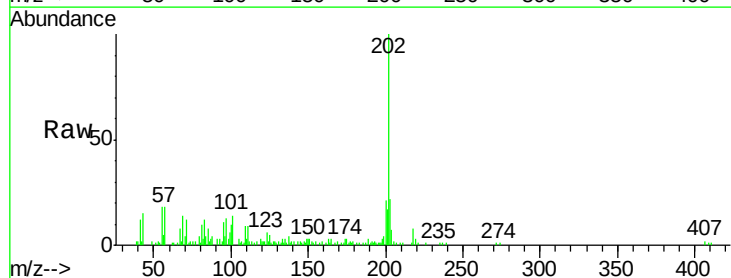
Tgt Ion:202 Resp: 36180

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

203 22.4 13.8 20.6#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

14.00

50000

40000

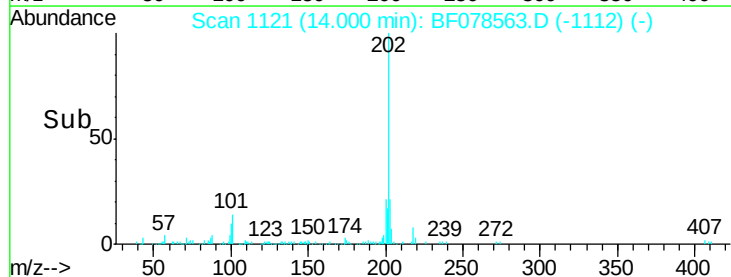
30000

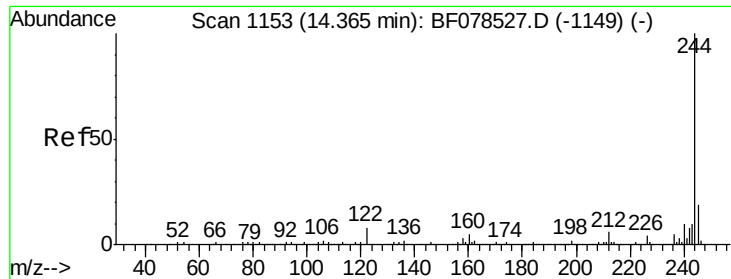
20000

10000

0

Time-->

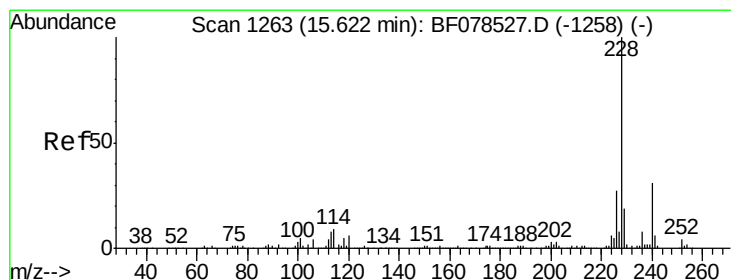
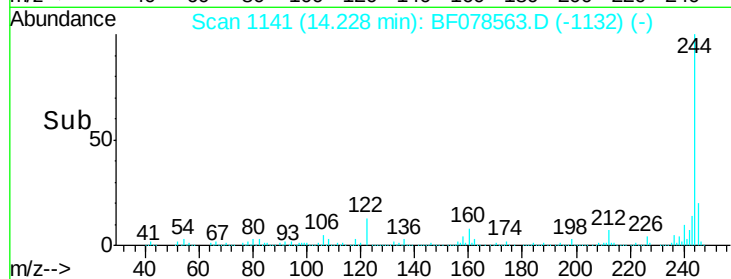
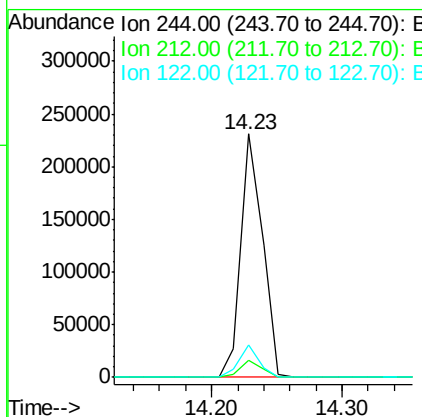
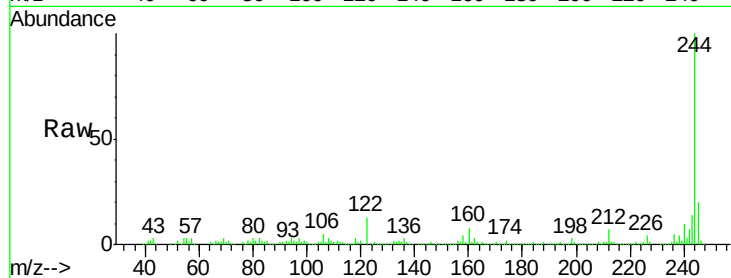




#78
 Terphenyl-d14
 Concen: 48.37 ng
 RT: 14.23 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: BF078563.D
 Acq: 16 Apr 2015 14:04

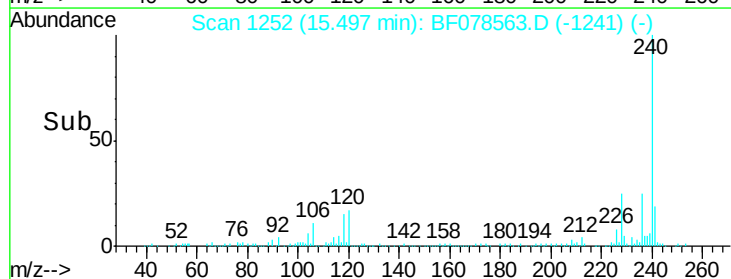
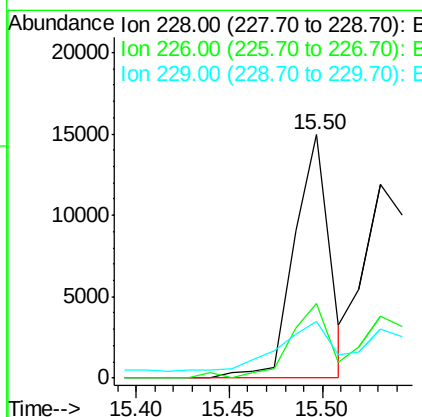
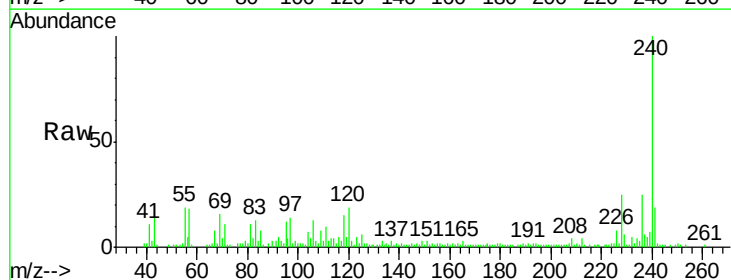
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-014-A

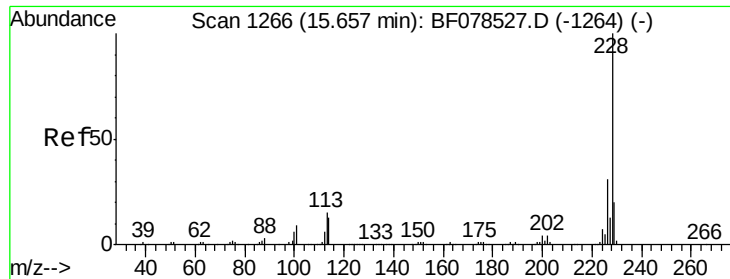
Tgt Ion:244 Resp: 266223
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.0 7.4
 122 13.5 7.1 10.7#



#80
 Benzo(a)anthracene
 Concen: 2.66 ng
 RT: 15.50 min Scan# 1252
 Delta R.T. 0.02 min
 Lab File: BF078563.D
 Acq: 16 Apr 2015 14:04

Tgt Ion:228 Resp: 19658
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.3 31.9
 229 23.5 15.4 23.2#





#82

Chrysene

Concen: 2.62 ng

RT: 15.50 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF078563.D

Acq: 16 Apr 2015 14:04

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-014-A

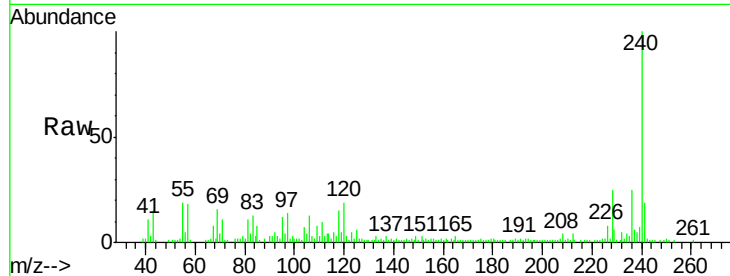
Tgt Ion: 228 Resp: 18224

Ion Ratio Lower Upper

228 100

226 30.5 24.2 36.4

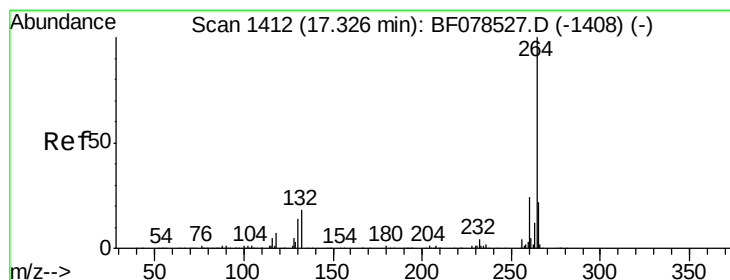
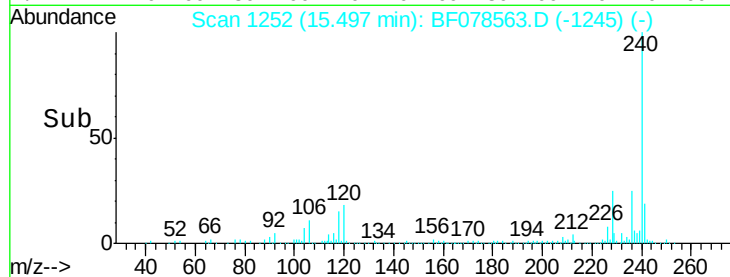
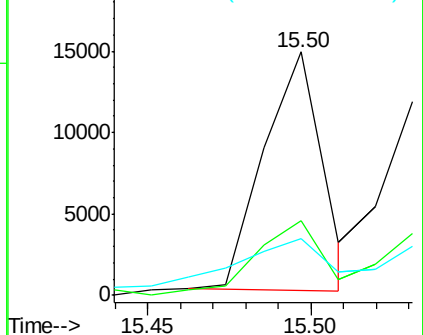
229 23.5 15.8 23.8



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: 17.28 min Scan# 1408

Delta R.T. 0.09 min

Lab File: BF078563.D

Acq: 16 Apr 2015 14:04

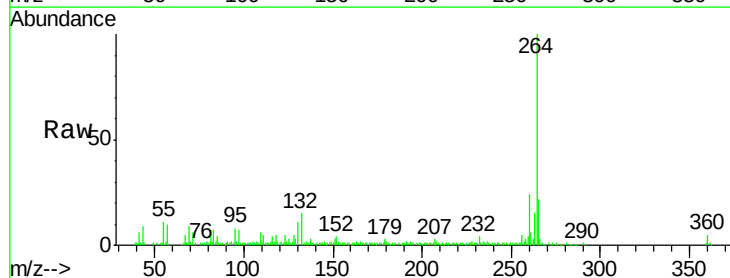
Tgt Ion: 264 Resp: 126841

Ion Ratio Lower Upper

264 100

260 24.3 18.6 27.8

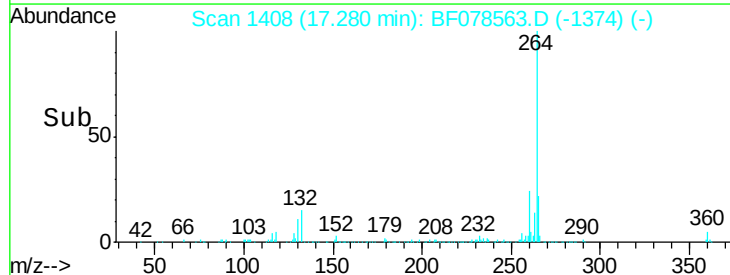
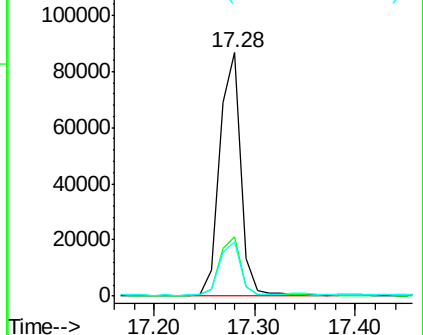
265 22.3 17.0 25.6

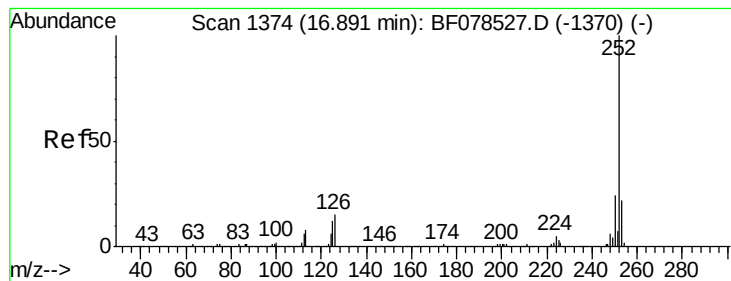


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.53 ng

RT: 16.82 min Scan# 1368

Delta R.T. 0.07 min

Lab File: BF078563.D

Acq: 16 Apr 2015 14:04

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-014-A

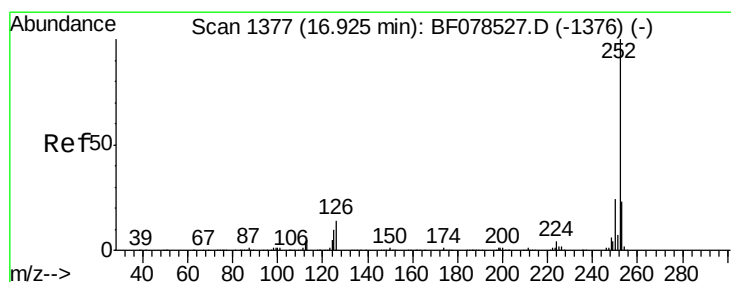
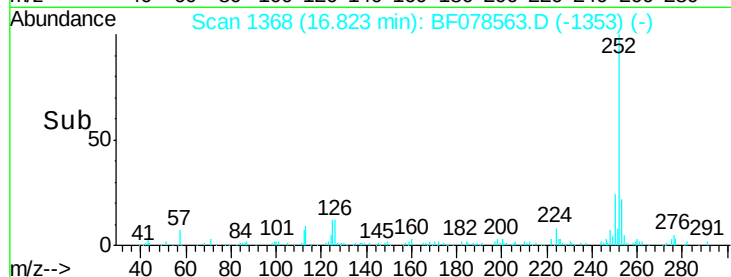
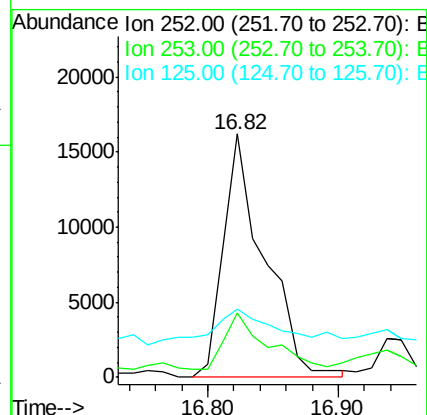
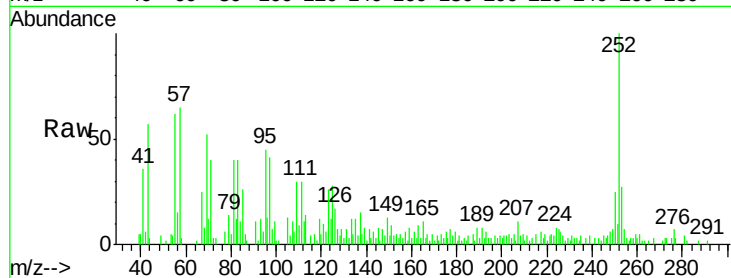
Tgt Ion:252 Resp: 35523

Ion Ratio Lower Upper

252 100

253 26.6 17.2 25.8#

125 27.9 7.0 10.4#



#88

Benzo(k)fluoranthene

Concen: 4.67 ng

RT: 16.82 min Scan# 1368

Delta R.T. 0.03 min

Lab File: BF078563.D

Acq: 16 Apr 2015 14:04

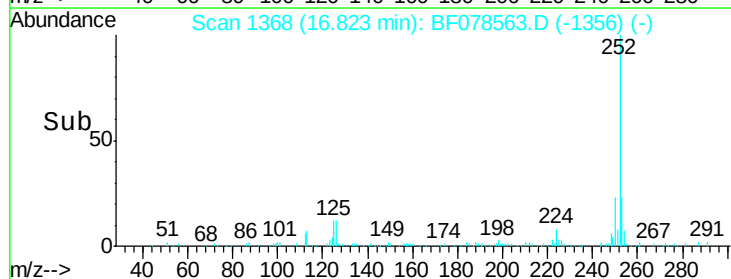
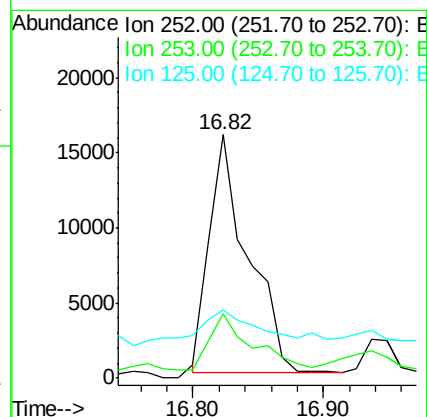
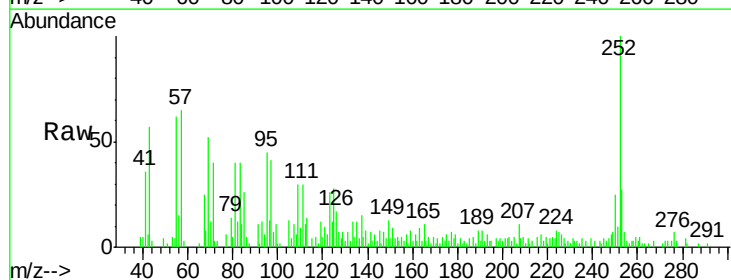
Tgt Ion:252 Resp: 32551

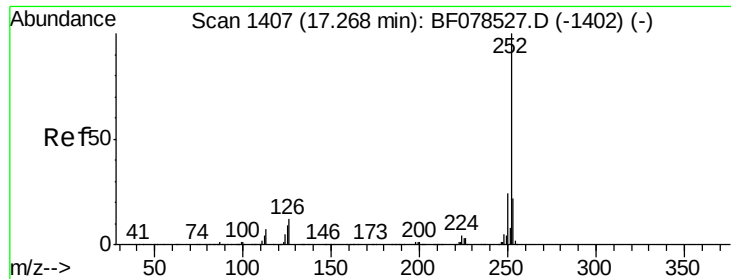
Ion Ratio Lower Upper

252 100

253 26.6 17.5 26.3#

125 27.9 11.6 17.4#





#89

Benzo(a)pyrene

Concen: 2.48 ng

RT: 17.21 min Scan# 1402

Delta R.T. 0.08 min

Lab File: BF078563.D

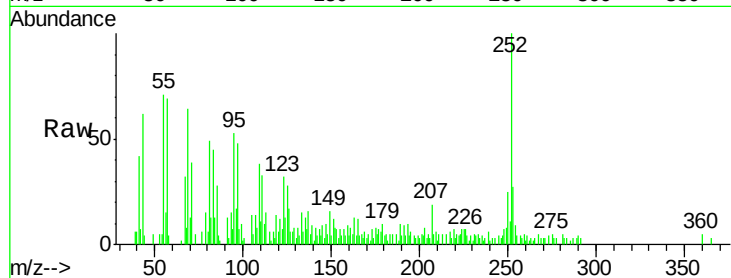
Acq: 16 Apr 2015 14:04

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-014-A



Tgt Ion:252 Resp: 16955

Ion Ratio Lower Upper

252 100

253 27.4 16.8 25.2#

125 27.9 7.4 11.0#

