

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 17 05:50:44 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 17 00:52:22 2015  
 Response via : Initial Calibration

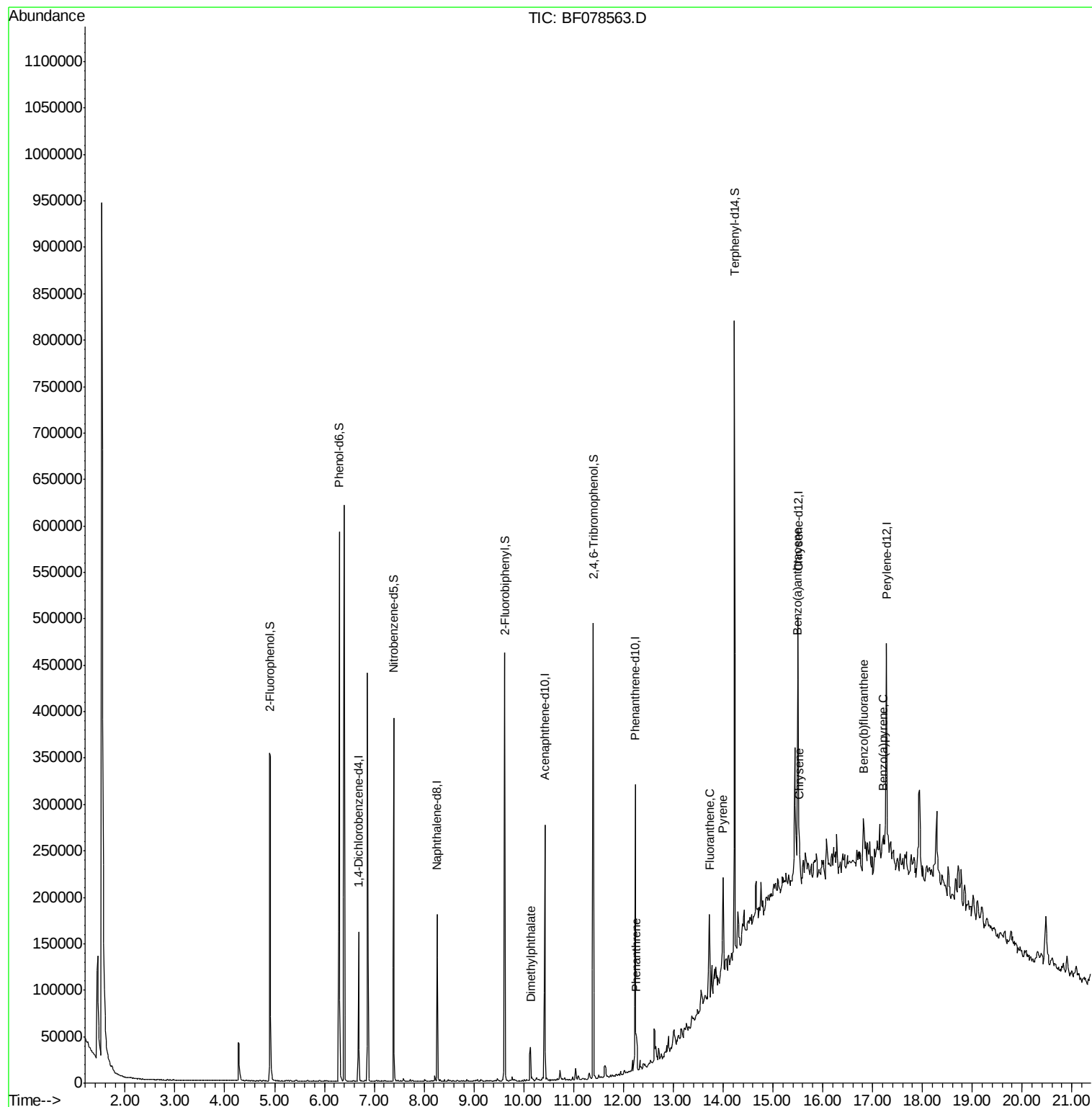
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.68  | 152  | 27007    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.26  | 136  | 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            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 10.14 | 163  | 21916    | 4.98   | ng    | # 95     |
| 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                | 15.53 | 228  | 20038m   | 2.88   | ng    |          |
| 87) Benzo(b)fluoranthene    | 16.82 | 252  | 24112m   | 3.08   | ng    |          |
| 89) Benzo(a)pyrene          | 17.21 | 252  | 16955    | 2.48   | ng    | # 75     |

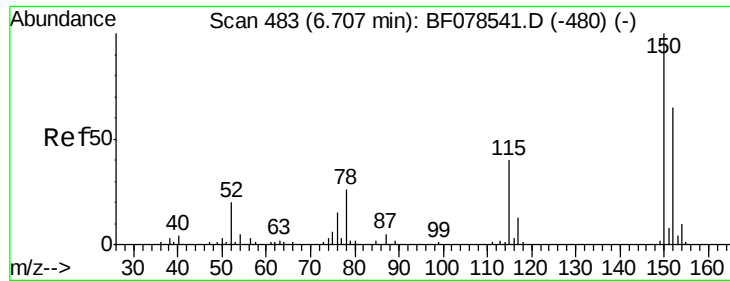
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 17 05:50:44 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 17 00:52:22 2015  
Response via : Initial Calibration





#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

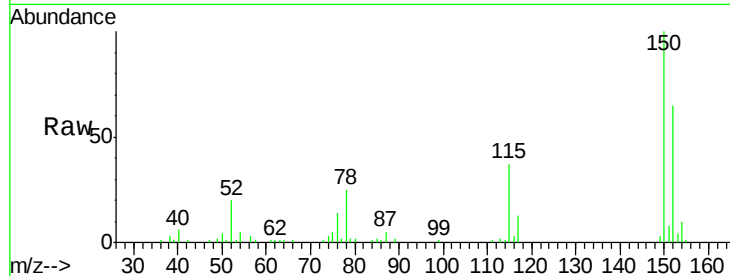
Tgt Ion:152 Resp: 27007

Ion Ratio Lower Upper

152 100

150 154.3 125.9 188.9

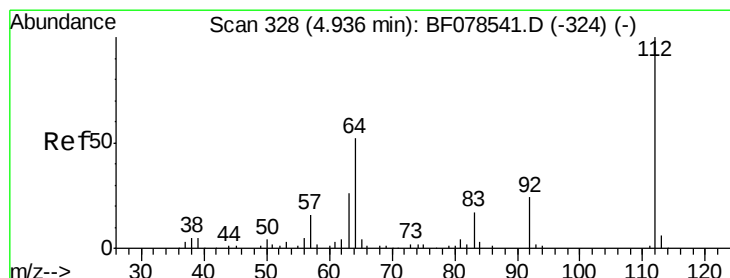
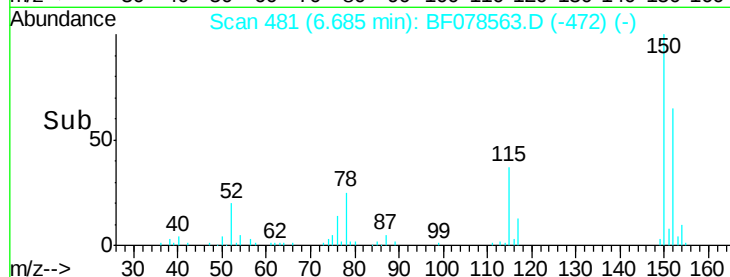
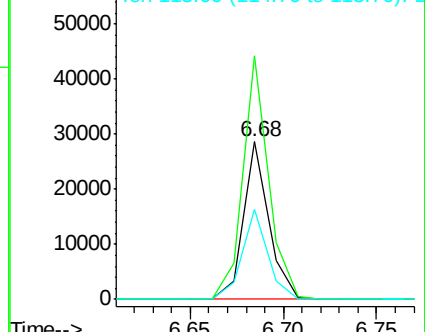
115 56.8 52.7 79.1



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

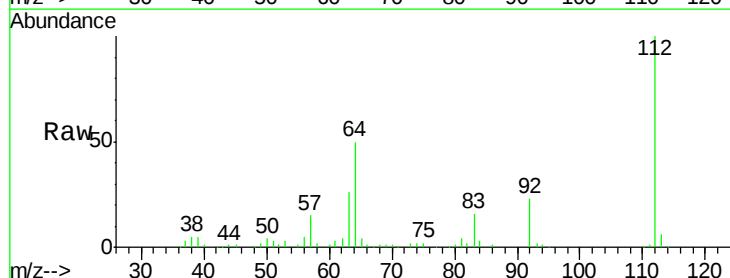
Tgt Ion:112 Resp: 169552

Ion Ratio Lower Upper

112 100

64 49.6 39.9 59.9

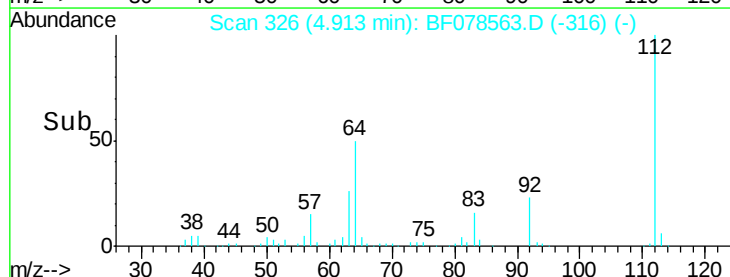
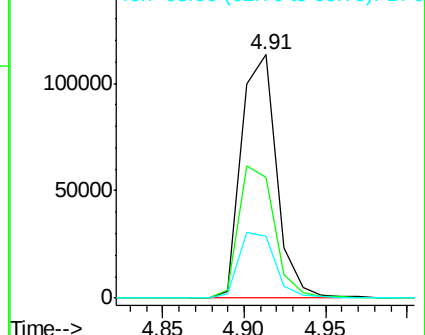
63 25.6 20.2 30.4

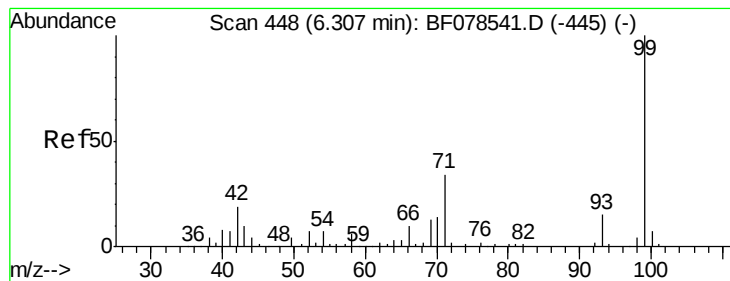


Abundance Ion 112.00 (111.70 to 112.70): E

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

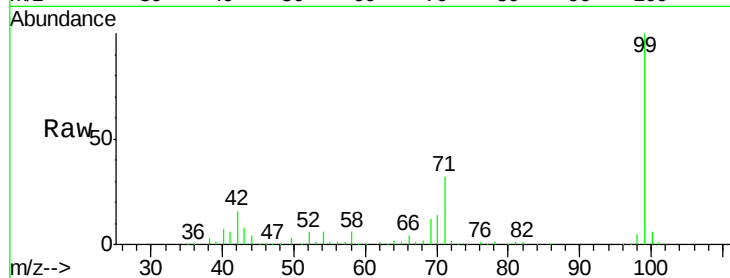
Tgt Ion: 99 Resp: 224641

Ion Ratio Lower Upper

99 100

42 16.1 14.8 22.2

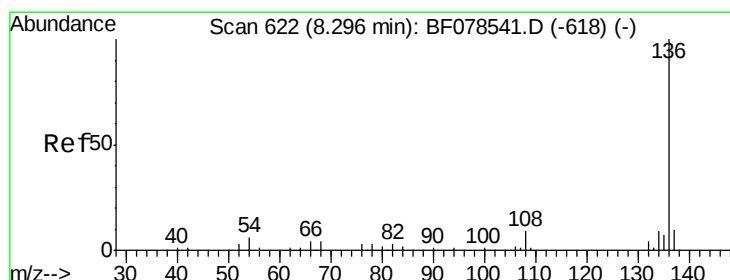
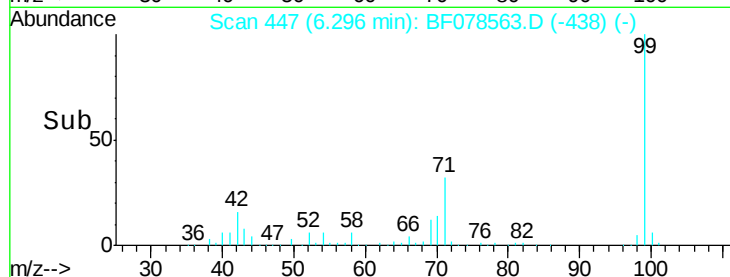
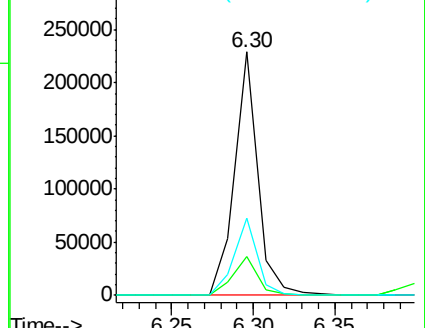
71 31.7 26.6 39.8



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

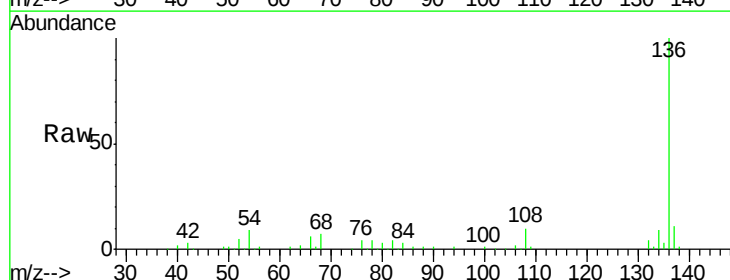
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 9.4 7.0 10.6

68 7.1 5.4 8.2

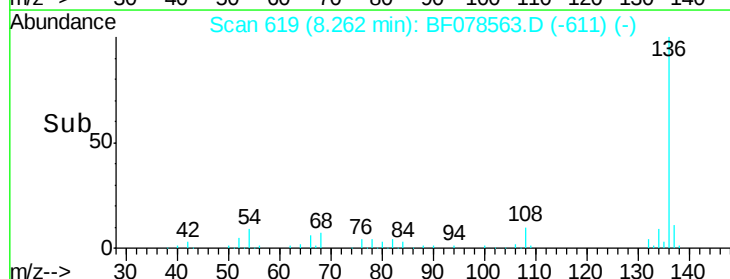
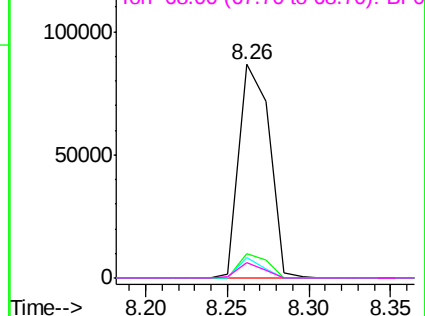


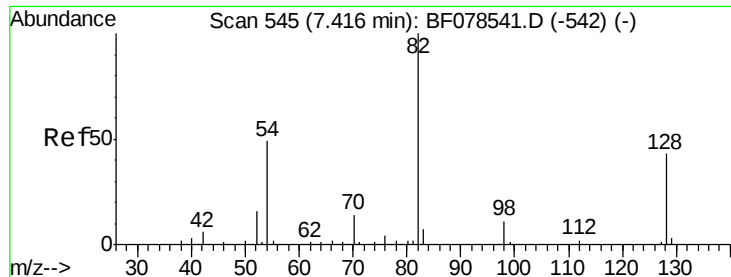
Abundance Ion 136.00 (135.70 to 136.70): E

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

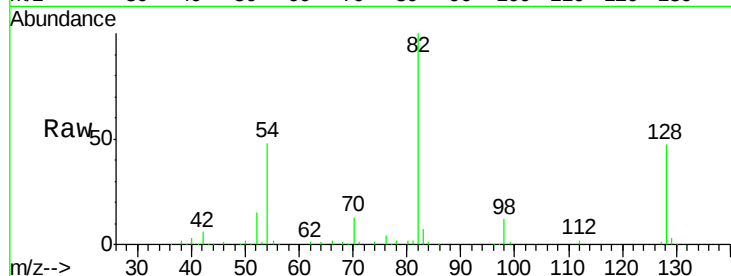
Tgt Ion: 82 Resp: 131609

Ion Ratio Lower Upper

82 100

128 46.6 31.8 47.8

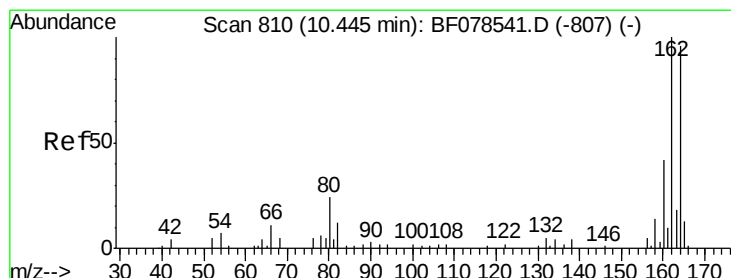
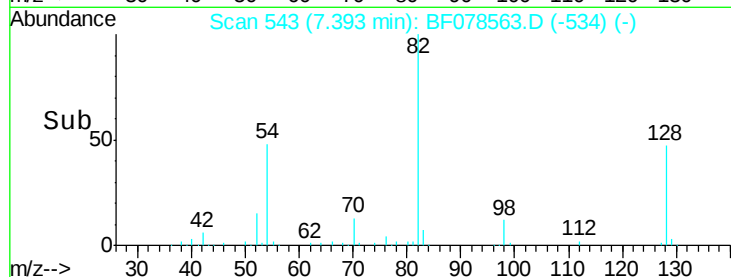
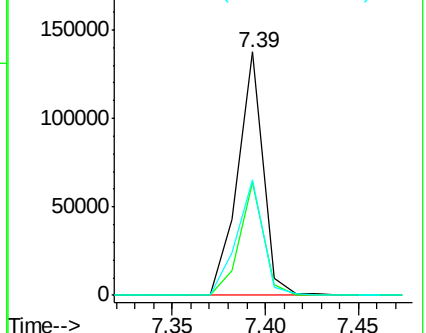
54 47.6 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF078541.D (-542) (-)

Ion 128.00 (127.70 to 128.70): BF078541.D (-542) (-)

Ion 54.00 (53.70 to 54.70): BF078541.D (-542) (-)



#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

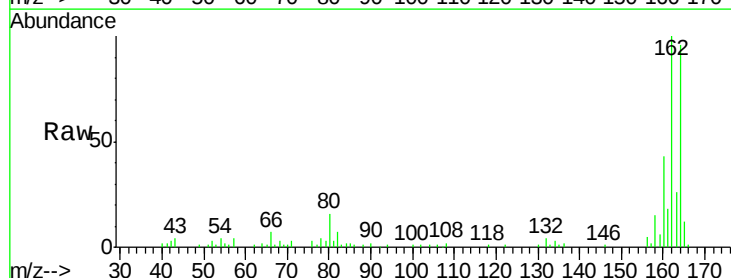
Tgt Ion: 164 Resp: 58606

Ion Ratio Lower Upper

164 100

162 104.2 82.2 123.2

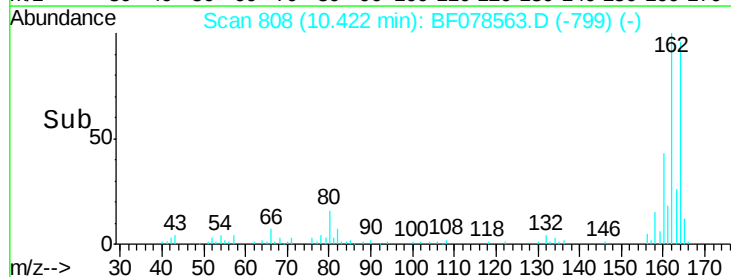
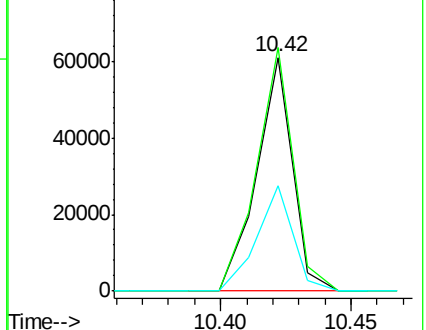
160 44.9 34.7 52.1

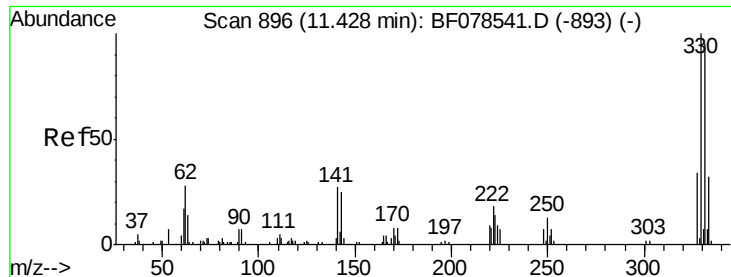


Abundance Ion 164.00 (163.70 to 164.70): BF078541.D (-807) (-)

Ion 162.00 (161.70 to 162.70): BF078541.D (-807) (-)

Ion 160.00 (159.70 to 160.70): BF078541.D (-807) (-)

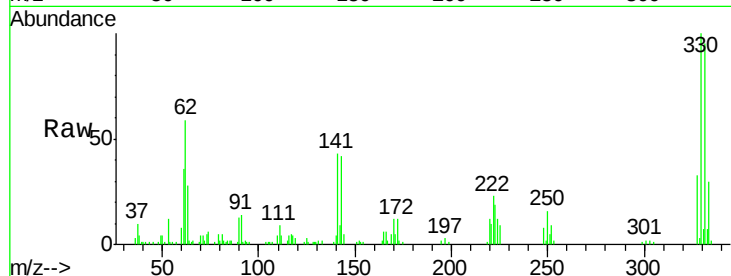




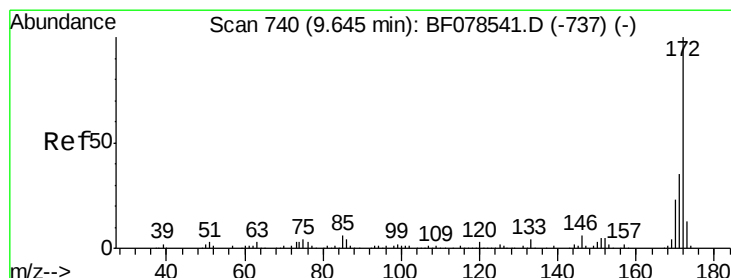
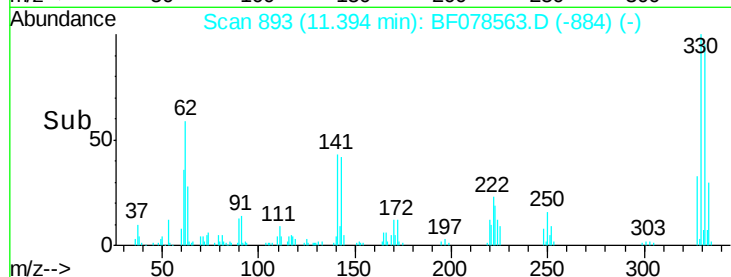
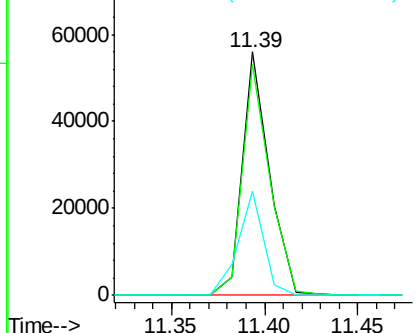
#41  
 2,4,6-Tribromophenol  
 Concen: 115.99 ng  
 RT: 11.39 min Scan# 893  
 Delta R.T. 0.00 min  
 Lab File: BF078563.D  
 Acq: 16 Apr 2015 14:04

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

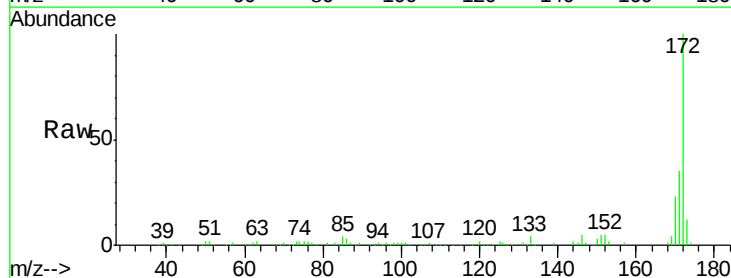


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

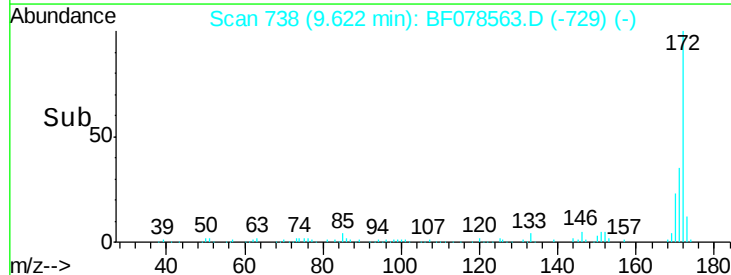
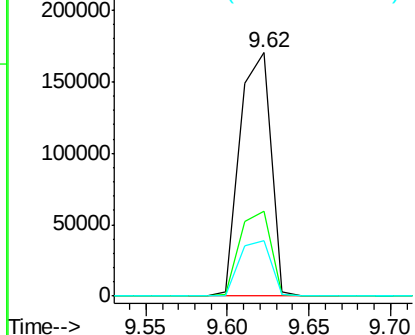


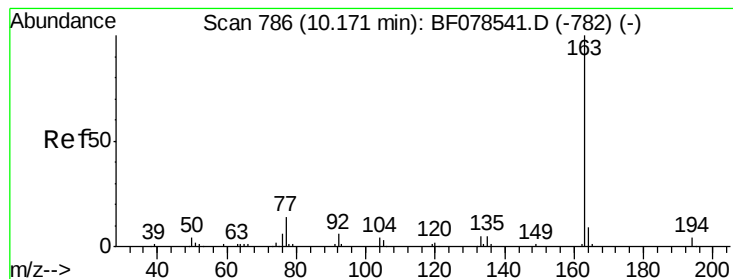
#44  
 2-Fluorobiphenyl  
 Concen: 54.47 ng  
 RT: 9.62 min Scan# 738  
 Delta R.T. 0.00 min  
 Lab File: BF078563.D  
 Acq: 16 Apr 2015 14:04

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

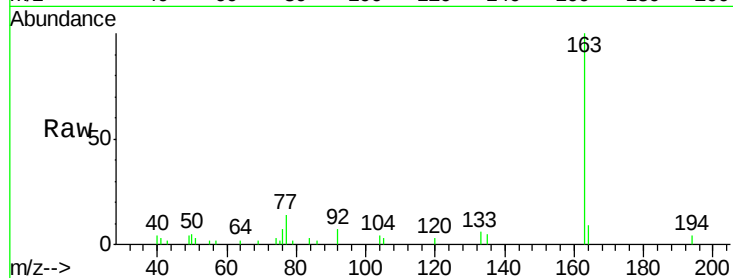
Tgt Ion:163 Resp: 21916

Ion Ratio Lower Upper

163 100

194 3.7 2.3 3.5#

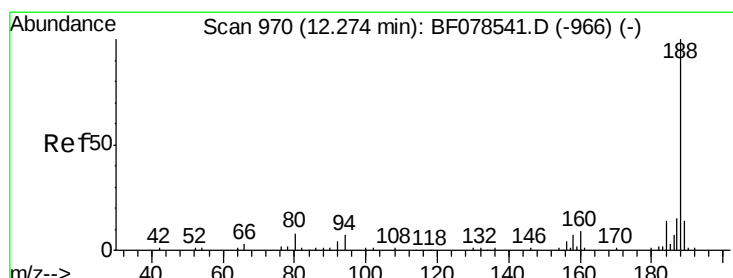
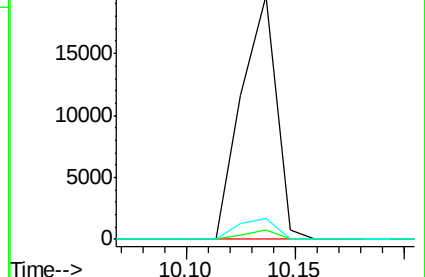
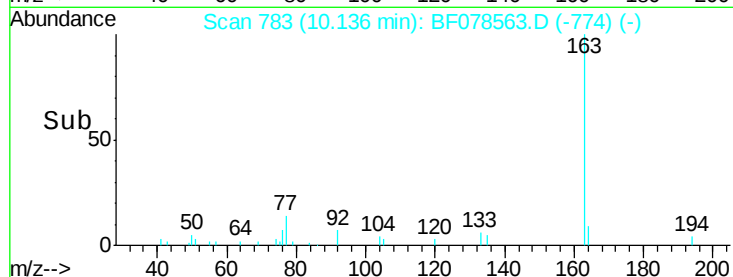
164 8.7 8.6 13.0



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



#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

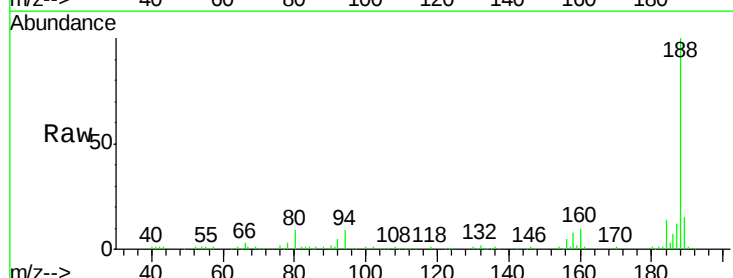
Tgt Ion:188 Resp: 115671

Ion Ratio Lower Upper

188 100

94 9.4 9.0 13.4

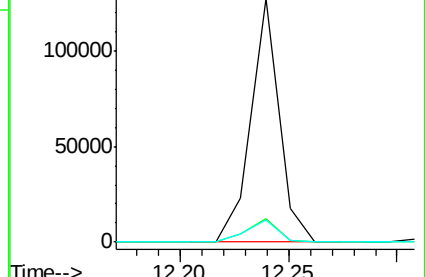
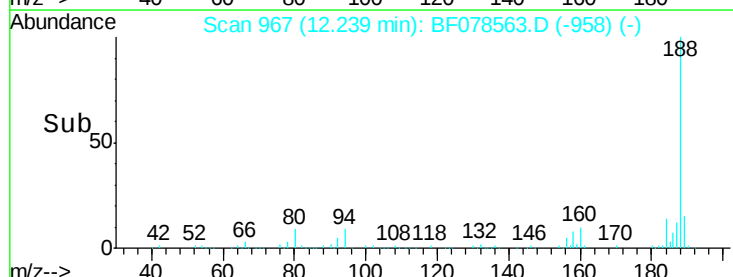
80 9.4 9.5 14.3#

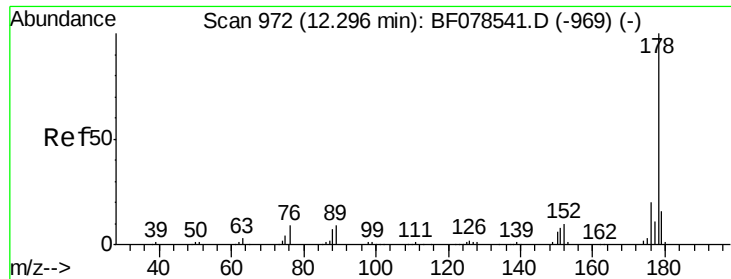


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

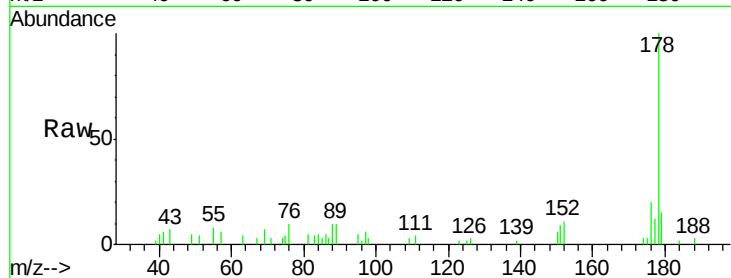




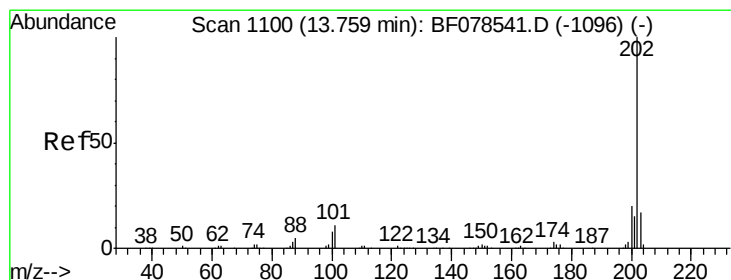
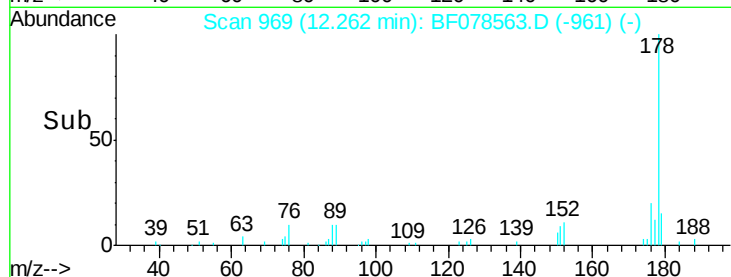
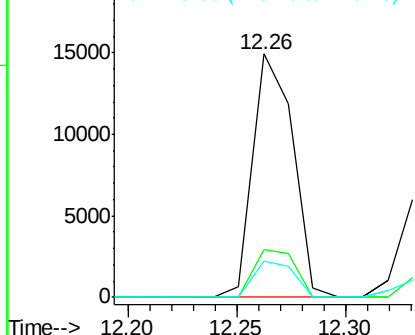
#70  
Phenanthrene  
Concen: 2.88 ng  
RT: 12.26 min Scan# 969  
Delta R.T. -0.01 min  
Lab File: BF078563.D  
Acq: 16 Apr 2015 14:04

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

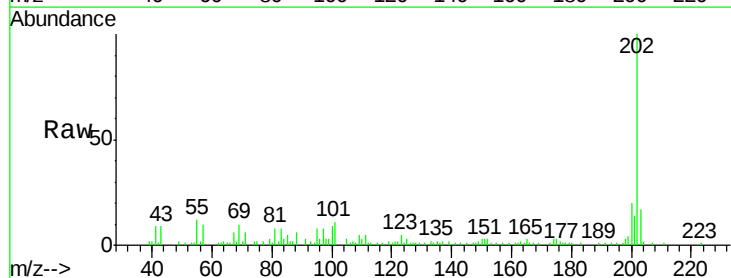


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

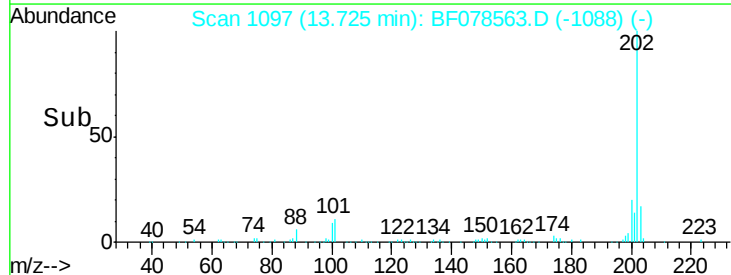
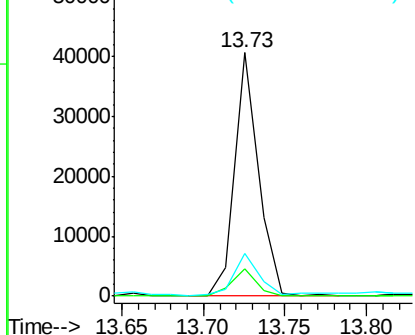


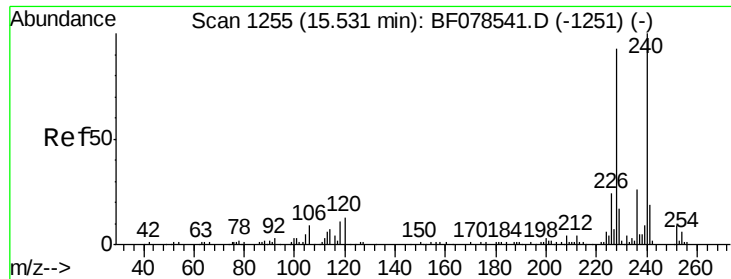
#74  
Fluoranthene  
Concen: 5.76 ng  
RT: 13.73 min Scan# 1097  
Delta R.T. 0.00 min  
Lab File: BF078563.D  
Acq: 16 Apr 2015 14:04

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

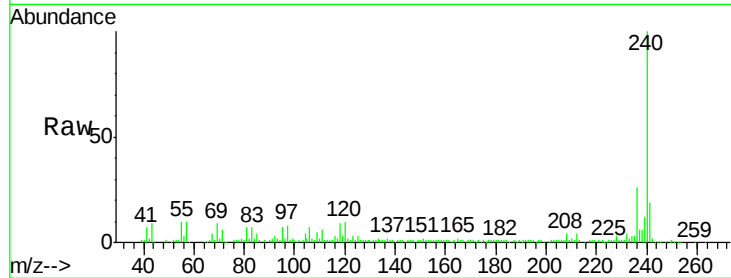
Tgt Ion:240 Resp: 124369

Ion Ratio Lower Upper

240 100

120 10.2 7.1 10.7

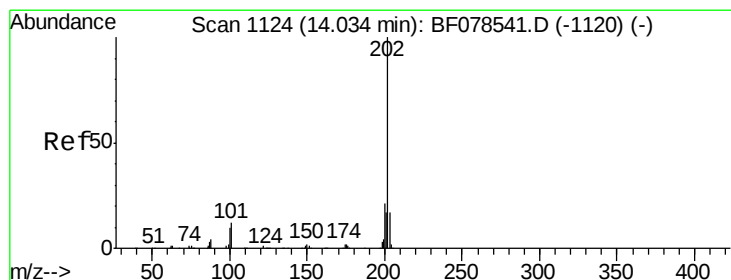
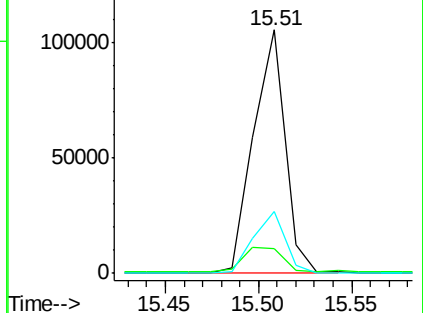
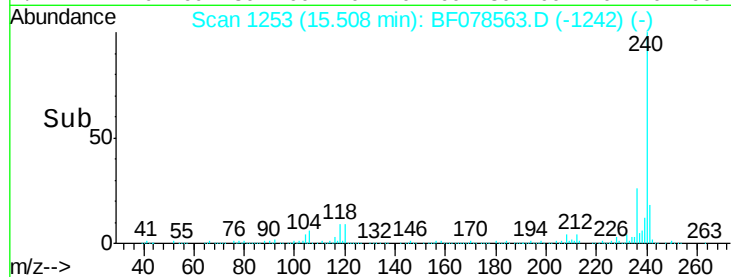
236 25.6 21.4 32.2



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



#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

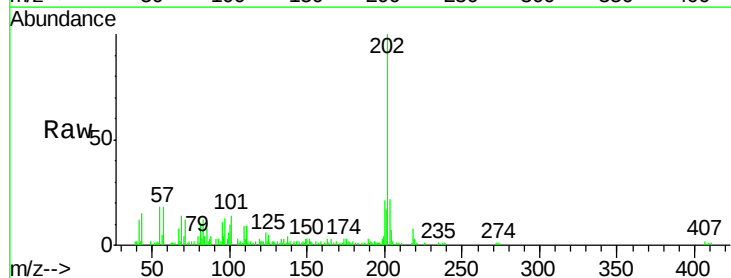
Tgt Ion:202 Resp: 36180

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

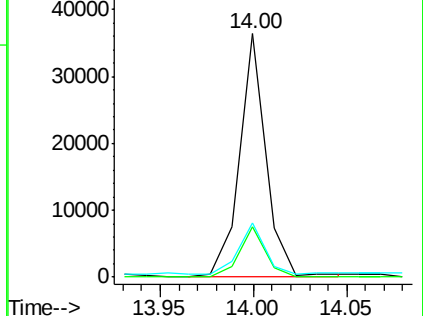
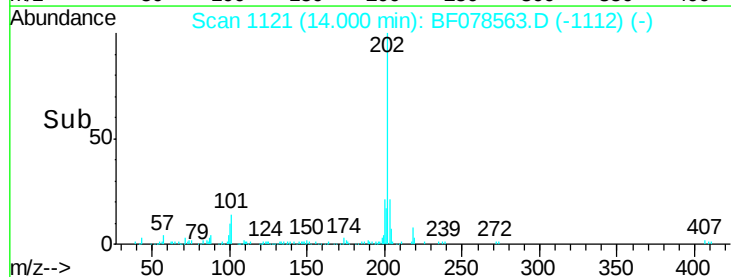
203 22.4 13.8 20.6#

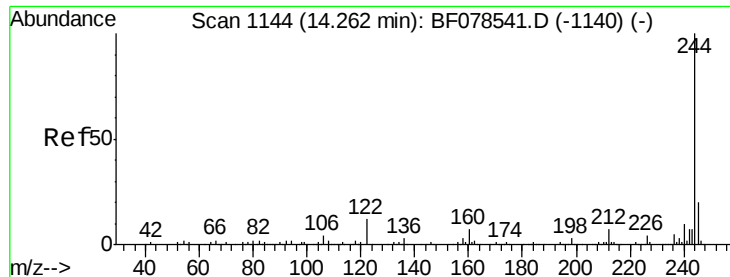


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

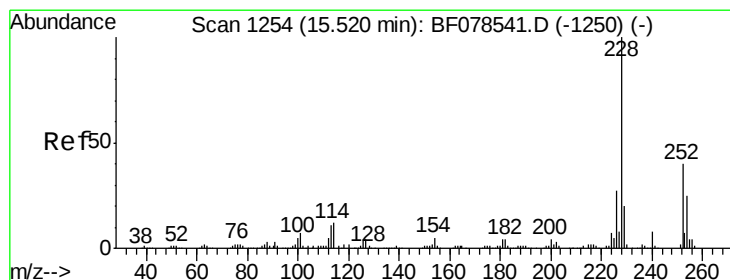
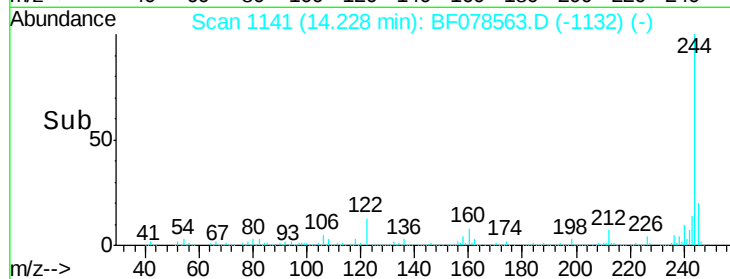
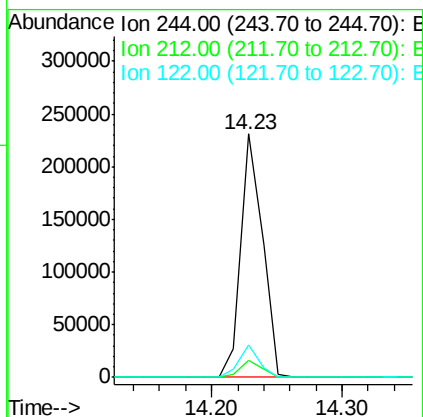
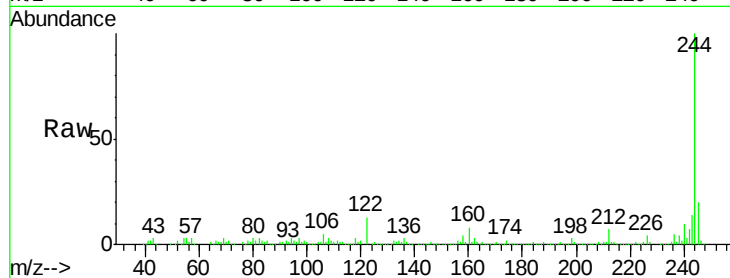




#78  
 Terphenyl-d14  
 Concen: 48.37 ng  
 RT: 14.23 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: BF078563.D  
 Acq: 16 Apr 2015 14:04

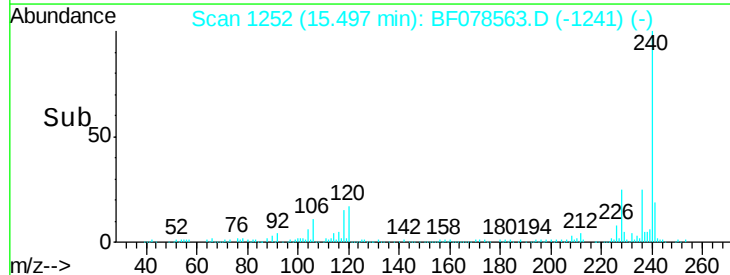
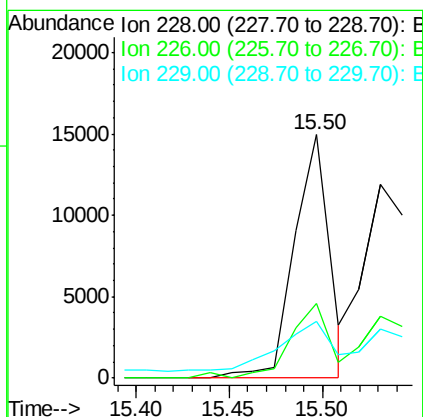
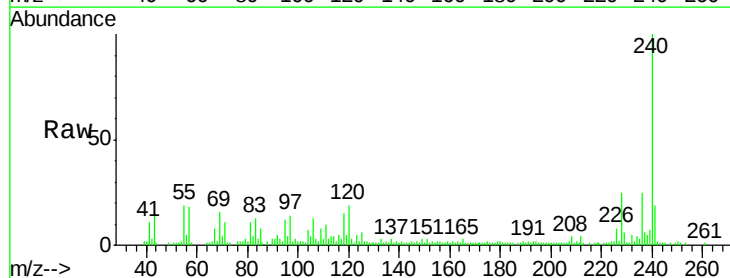
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-01-014-A

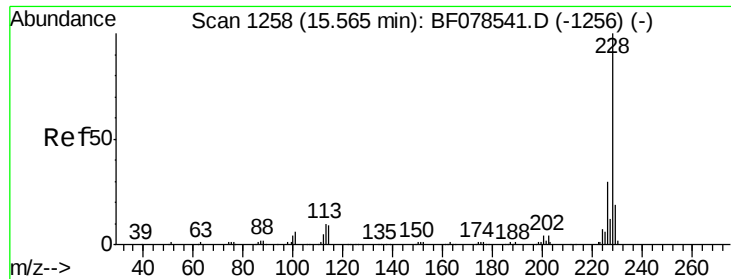
Tgt Ion:244 Resp: 266223  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.0 7.4  
 122 13.5 7.1 10.7#



#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: 2.88 ng m

RT: 15.53 min Scan# 1255

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

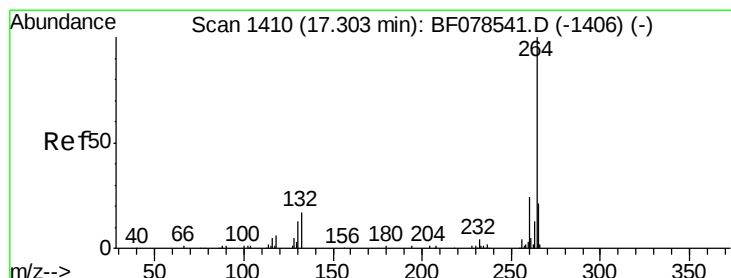
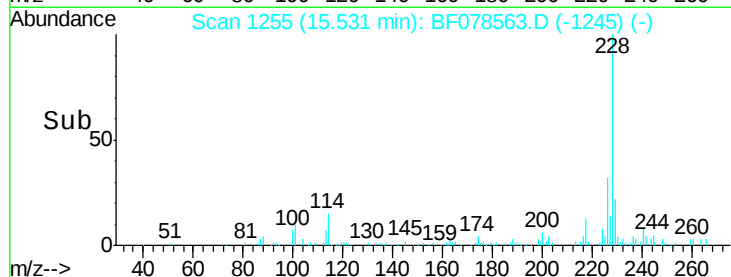
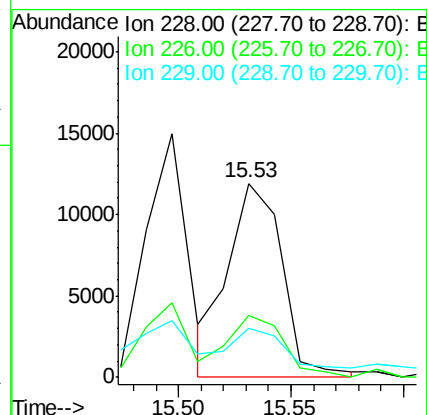
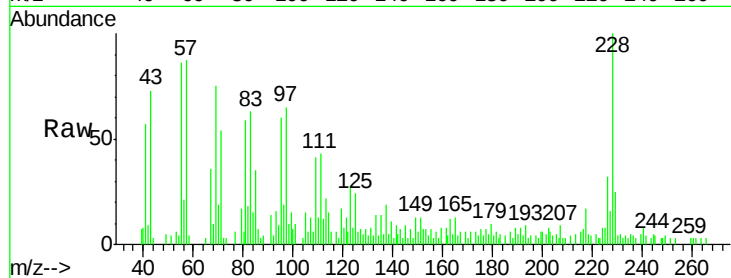
Tgt Ion:228 Resp: 20038

Ion Ratio Lower Upper

228 100

226 32.1 24.2 36.4

229 25.4 15.8 23.8#



#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

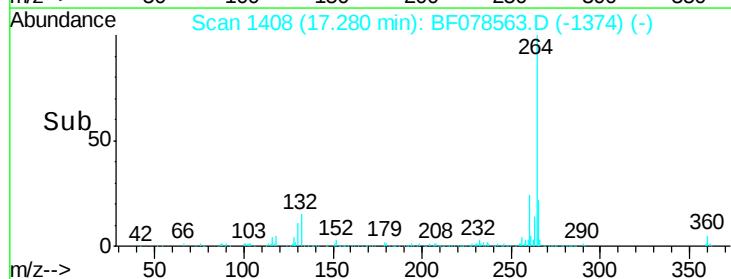
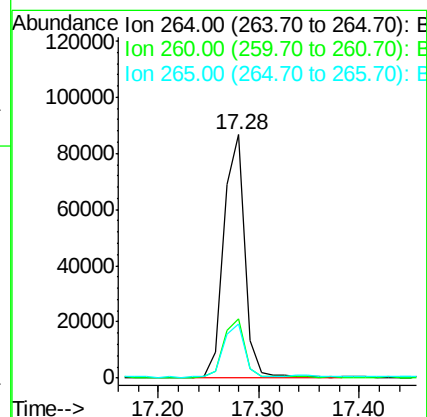
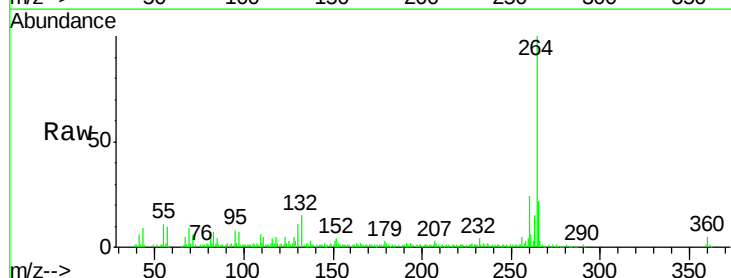
Tgt Ion:264 Resp: 126841

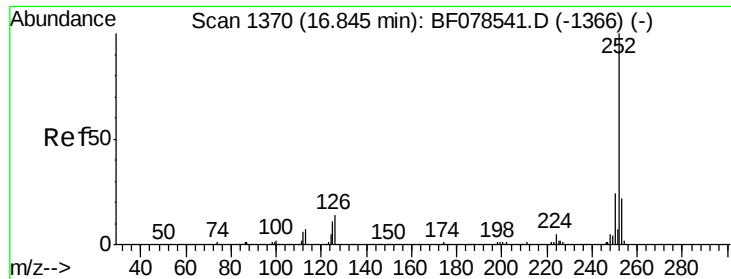
Ion Ratio Lower Upper

264 100

260 24.3 18.6 27.8

265 22.3 17.0 25.6

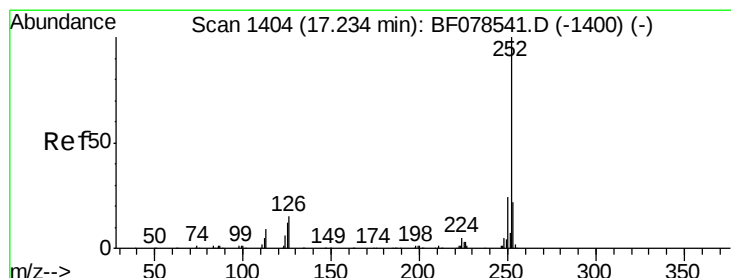
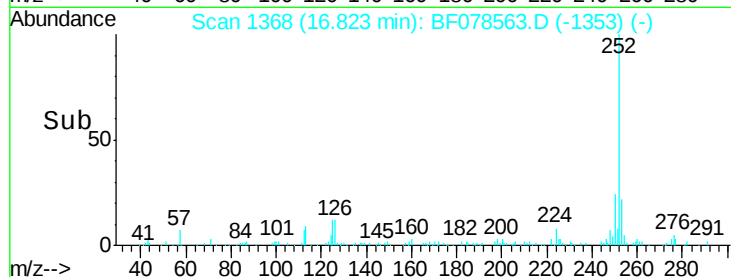
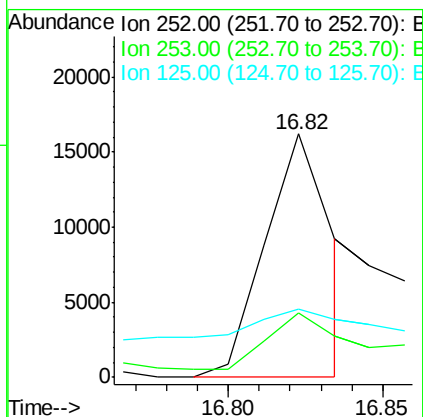
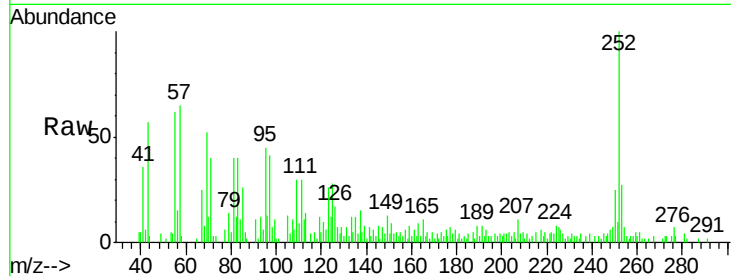




#87  
Benzo(b)fluoranthene  
Concen: 3.08 ng m  
RT: 16.82 min Scan# 1368  
Delta R.T. 0.07 min  
Lab File: BF078563.D  
Acq: 16 Apr 2015 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-01-014-A

Tgt Ion:252 Resp: 24112  
Ion Ratio Lower Upper  
252 100  
253 26.6 17.2 25.8#  
125 27.9 7.0 10.4#



#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

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#

