

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081715\  
 Data File : BF081024.D  
 Acq On : 18 Aug 2015 2:10  
 Operator : UM/IZ  
 Sample : G3252-03  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-01-017-B

Quant Time: Aug 18 04:11:38 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 17 17:57:25 2015  
 Response via : Initial Calibration

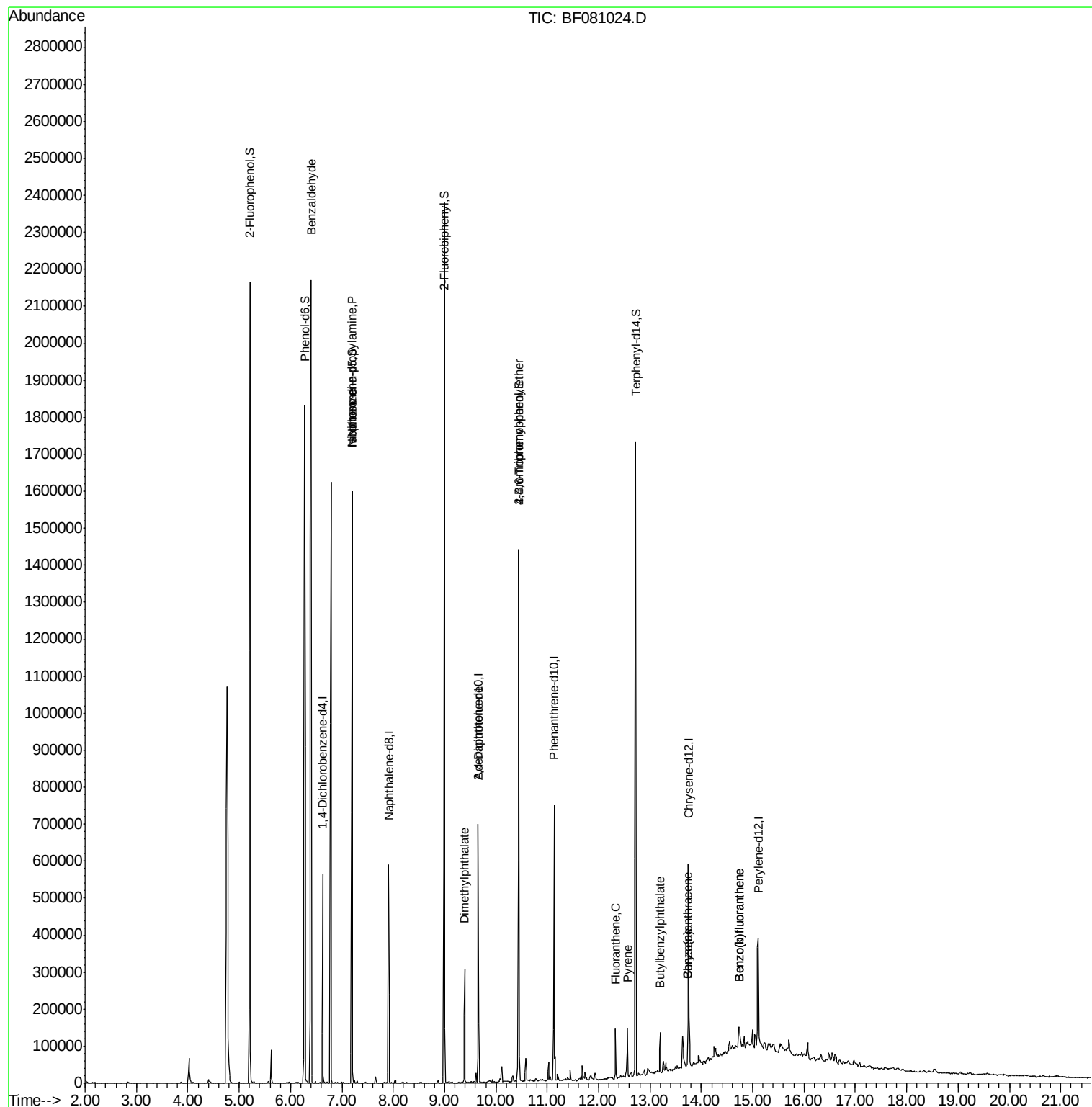
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.63  | 152  | 76758    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.91  | 136  | 272254   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.66  | 164  | 127323   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.13 | 188  | 251772   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.75 | 240  | 162159   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.11 | 264  | 150694   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.21  | 112  | 604334   | 118.42 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.27  | 99   | 846431   | 127.12 | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.20  | 82   | 552441   | 92.69  | ng    | 0.01     |
| 41) 2,4,6-Tribromophenol       | 10.44 | 330  | 126626   | 114.73 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 8.99  | 172  | 671696   | 69.12  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.72 | 244  | 502467   | 66.43  | ng    | 0.01     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde                | 6.40  | 77   | 17781    | 4.14   | ng    | 81       |
| 19) n-Nitroso-di-n-propylamine | 7.20  | 70   | 76651    | 16.62  | ng    | # 69     |
| 25) Isophorone                 | 7.20  | 82   | 535029   | 48.14  | ng    | # 71     |
| 49) Dimethylphthalate          | 9.39  | 163  | 150484   | 14.35  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.66  | 165  | 16237    | 5.44   | ng    | # 17     |
| 66) 4-Bromophenyl-phenylether  | 10.44 | 248  | 10244    | 4.14   | ng    | # 1      |
| 74) Fluoranthene               | 12.33 | 202  | 48012    | 2.98   | ng    | 94       |
| 77) Pyrene                     | 12.56 | 202  | 40529    | 3.07   | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.20 | 149  | 28266    | 4.99   | ng    | 92       |
| 80) Benzo(a)anthracene         | 13.74 | 228  | 24284    | 2.23   | ng    | 96       |
| 82) Chrysene                   | 13.74 | 228  | 24284    | 2.48   | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 14.73 | 252  | 35607    | 3.34   | ng    | # 90     |
| 88) Benzo(k)fluoranthene       | 14.73 | 252  | 35607    | 3.58   | ng    | # 93     |

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081715\  
Data File : BF081024.D  
Acq On : 18 Aug 2015 2:10  
Operator : UM/IZ  
Sample : G3252-03  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-01-017-B

Quant Time: Aug 18 04:11:38 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 17 17:57:25 2015  
Response via : Initial Calibration



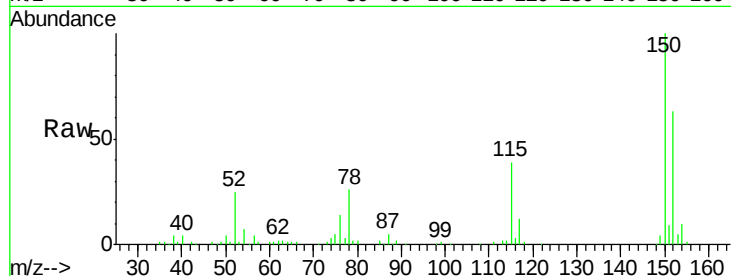


#1

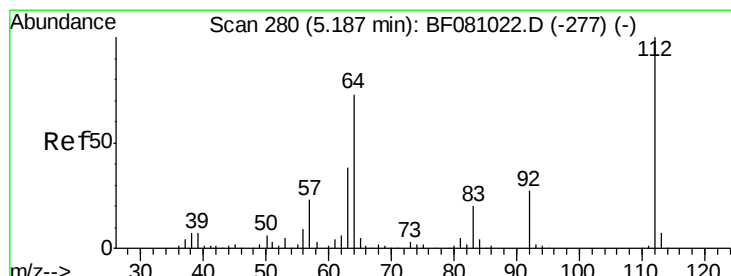
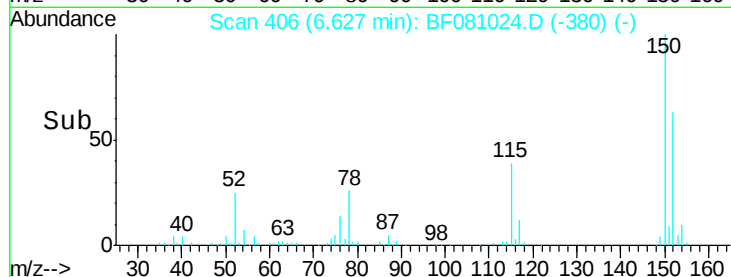
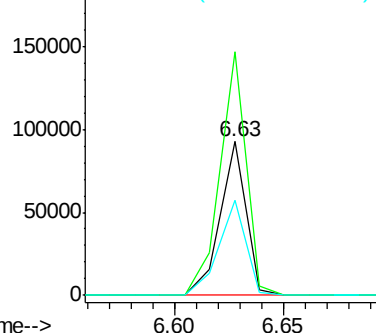
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.63 min Scan# 406  
Delta R.T. 0.00 min  
Lab File: BF081024.D  
Acq: 18 Aug 2015 2:10

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-01-017-B

Tot Ion:152 Resp: 76758  
Ion Ratio Lower Upper  
152 100  
150 158.5 123.8 185.6  
115 61.9 52.1 78.1



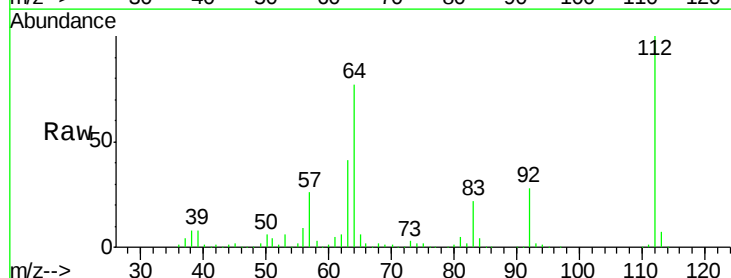
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



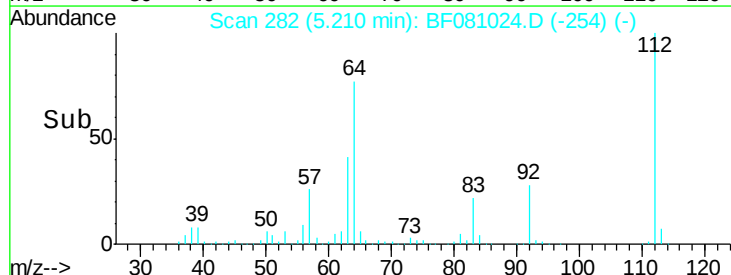
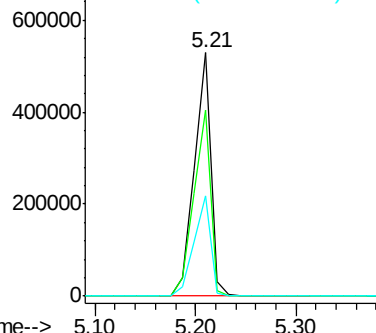
#5

2-Fluorophenol  
Concen: 118.42 ng  
RT: 5.21 min Scan# 282  
Delta R.T. 0.02 min  
Lab File: BF081024.D  
Acq: 18 Aug 2015 2:10

Tgt Ion:112 Resp: 604334  
Ion Ratio Lower Upper  
112 100  
64 76.6 66.9 100.3  
63 41.0 38.1 57.1



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: 127.12 ng

RT: 6.27 min Scan# 375

Delta R.T. 0.01 min

Lab File: BF081024.D

Acq: 18 Aug 2015 2:10

Instrument :

BNA\_F

ClientSampleId :

FK-GF-01-017-B

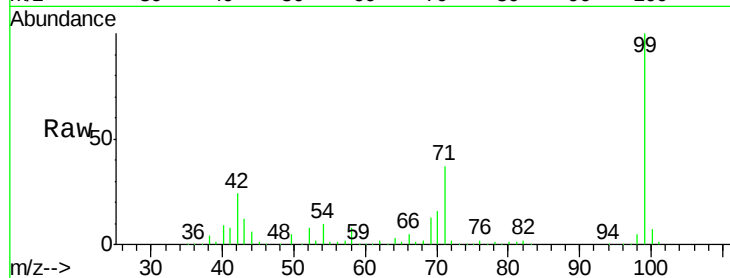
Tot Ion: 99 Resp: 846431

Ion Ratio Lower Upper

99 100

42 23.5 19.6 29.4

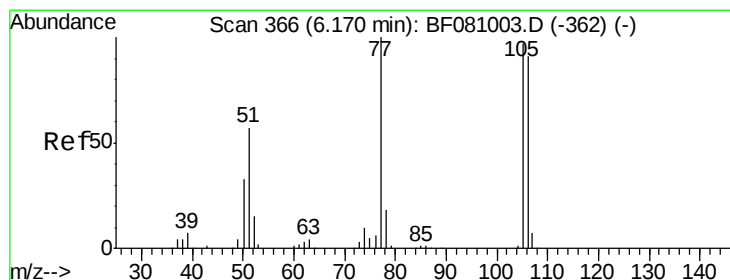
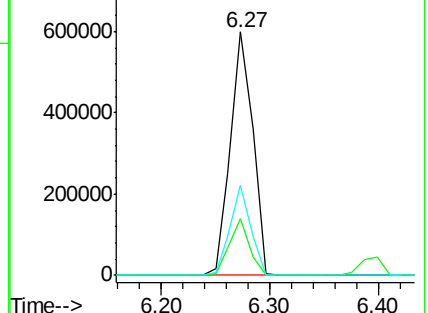
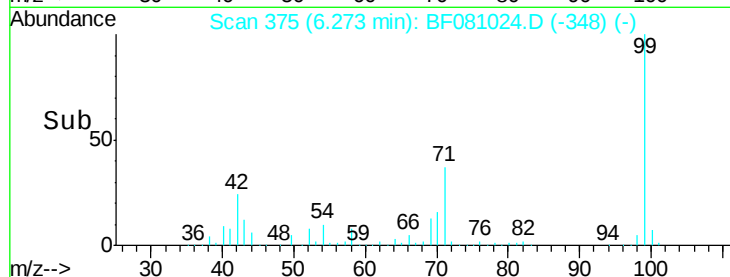
71 37.0 31.2 46.8



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



#9

Benzaldehyde

Concen: 4.14 ng

RT: 6.40 min Scan# 386

Delta R.T. 0.24 min

Lab File: BF081024.D

Acq: 18 Aug 2015 2:10

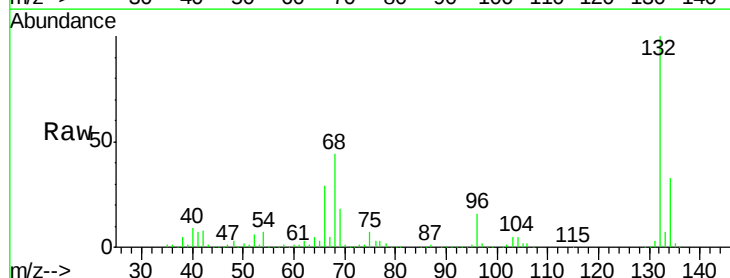
Tgt Ion: 77 Resp: 17781

Ion Ratio Lower Upper

77 100

105 73.3 69.6 109.6

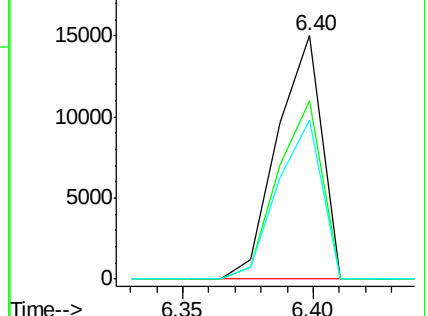
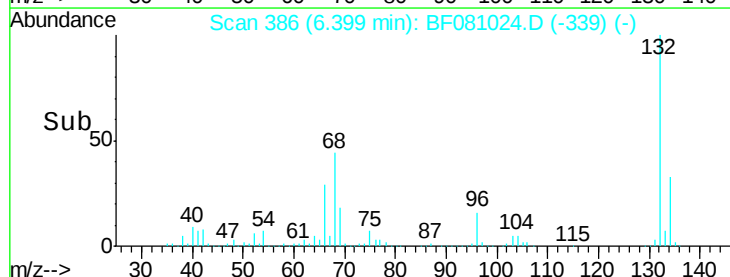
106 65.4 64.0 104.0

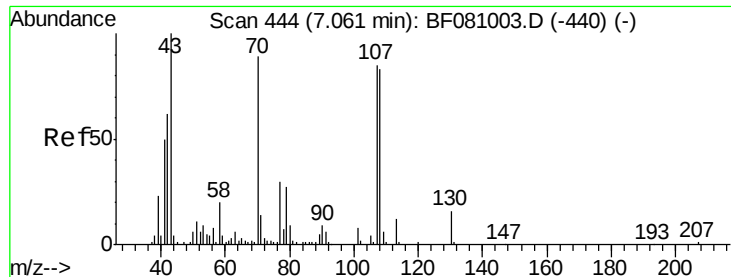


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

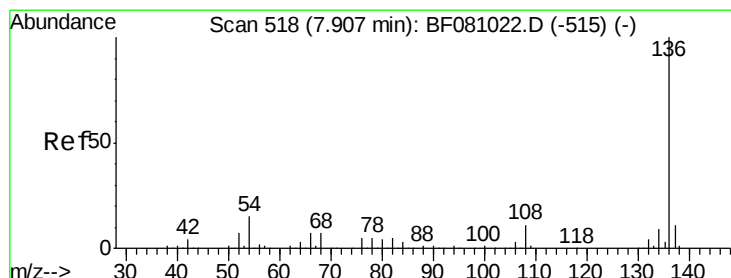
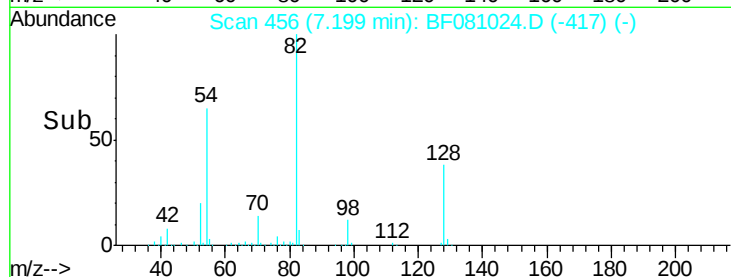
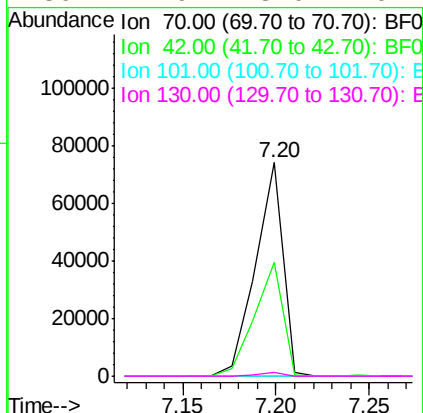
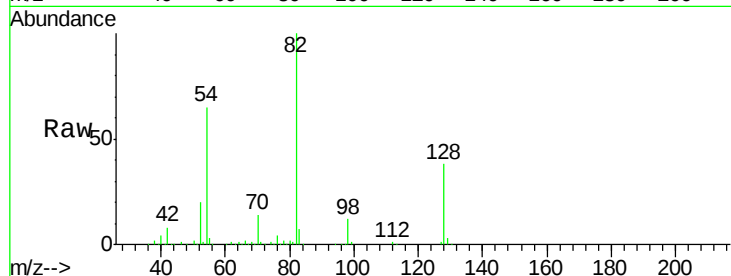




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.62 ng  
RT: 7.20 min Scan# 456  
Delta R.T. 0.15 min  
Lab File: BF081024.D  
Acq: 18 Aug 2015 2:10

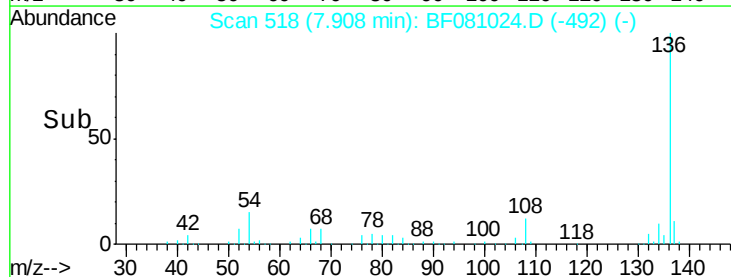
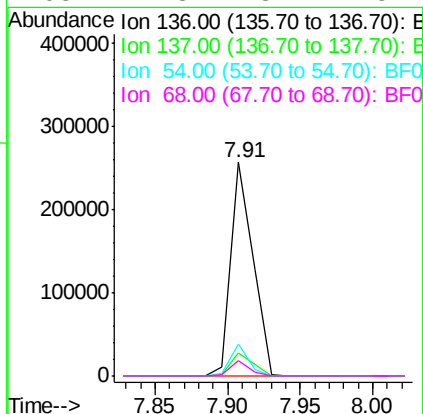
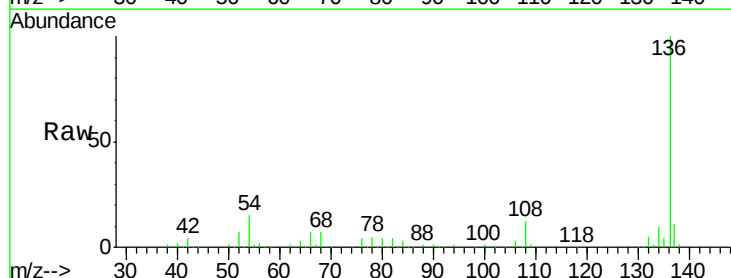
Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-01-017-B

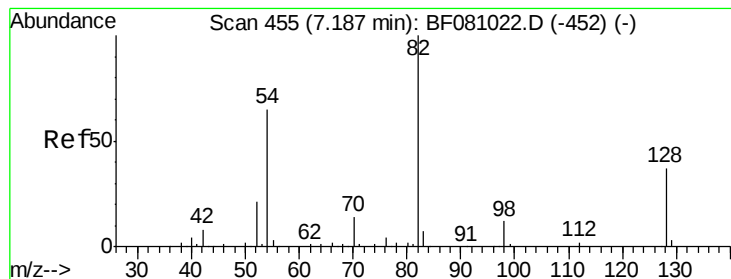
Tot Ion: 70 Resp: 76651  
Ion Ratio Lower Upper  
70 100  
42 53.5 65.0 97.4#  
101 0.0 7.4 11.2#  
130 1.9 13.0 19.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.91 min Scan# 518  
Delta R.T. 0.00 min  
Lab File: BF081024.D  
Acq: 18 Aug 2015 2:10

Tgt Ion: 136 Resp: 272254  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.2 12.2  
54 14.9 7.7 11.5#  
68 7.3 3.4 5.2#





#23

Nitrobenzene-d5

Concen: 92.69 ng

RT: 7.20 min Scan# 456

Delta R.T. 0.01 min

Lab File: BF081024.D

Acq: 18 Aug 2015 2:10

Instrument :

BNA\_F

ClientSampleId :

FK-GF-01-017-B

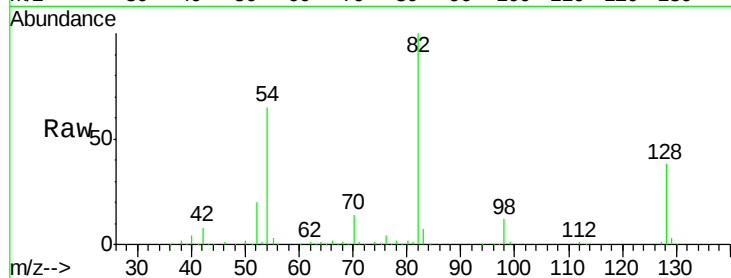
Tot Ion: 82 Resp: 552441

Ion Ratio Lower Upper

82 100

128 38.0 28.6 42.8

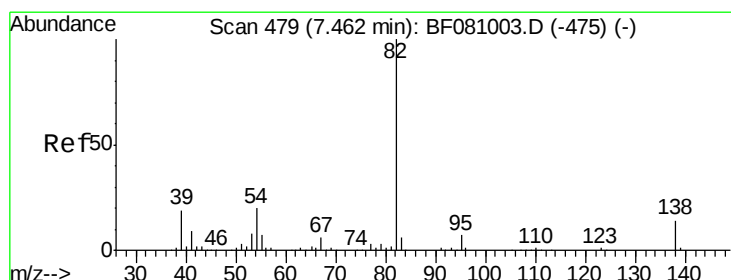
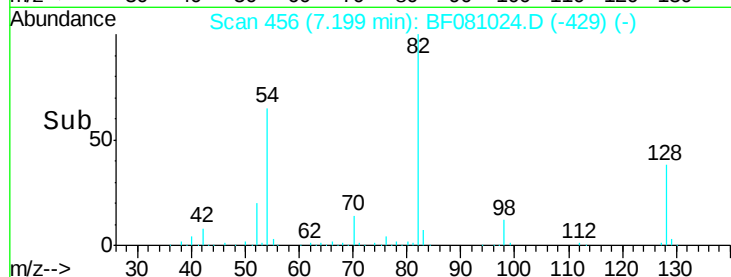
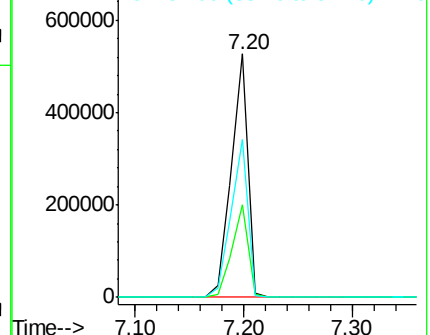
54 65.0 55.1 82.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 48.14 ng

RT: 7.20 min Scan# 456

Delta R.T. -0.25 min

Lab File: BF081024.D

Acq: 18 Aug 2015 2:10

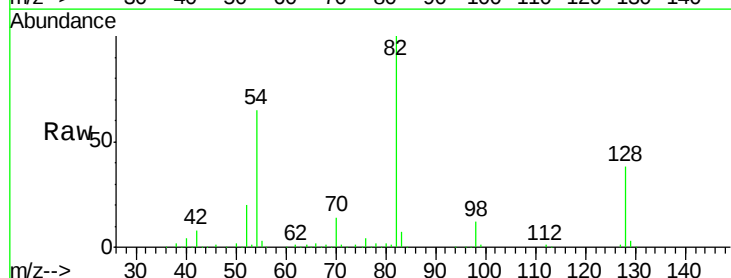
Tgt Ion: 82 Resp: 535029

Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

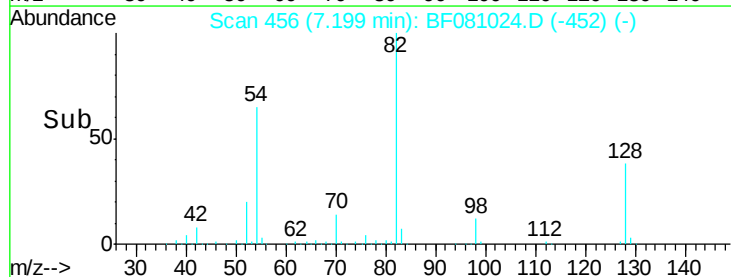
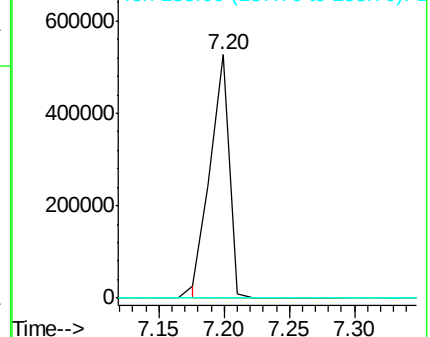
138 0.0 10.5 15.7#

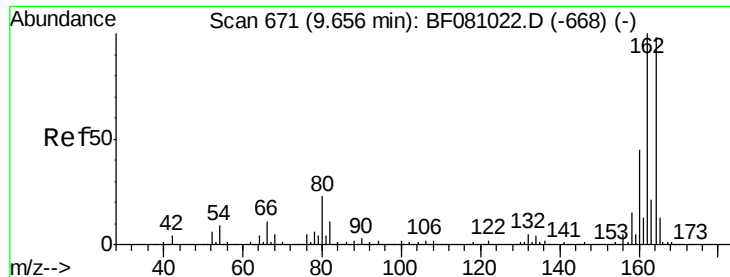


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

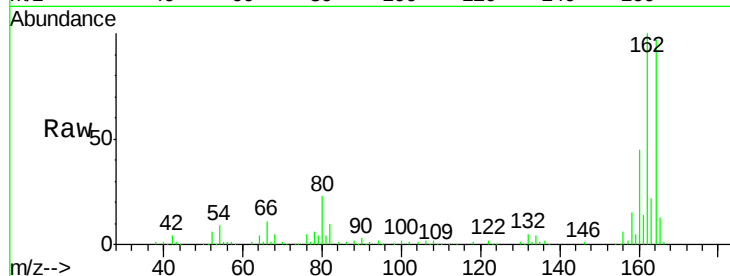




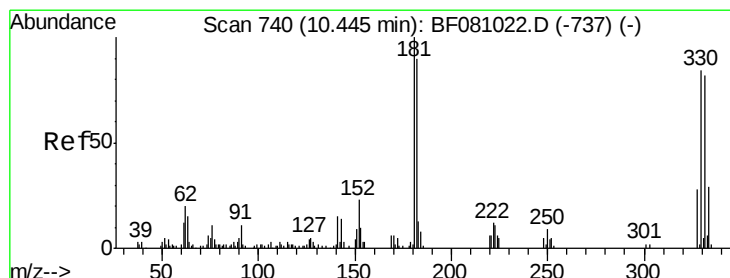
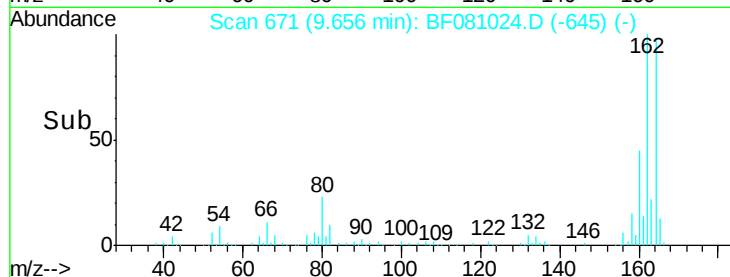
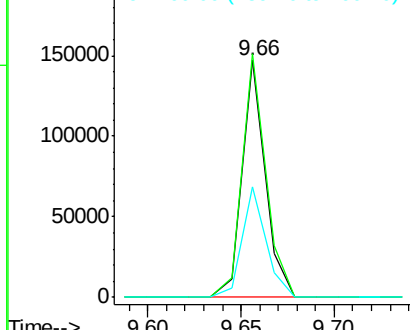
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.66 min Scan# 671  
Delta R.T. 0.00 min  
Lab File: BF081024.D  
Acq: 18 Aug 2015 2:10

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-01-017-B

Tot Ion:164 Resp: 127323  
Ion Ratio Lower Upper  
164 100  
162 102.7 83.8 125.8  
160 46.4 39.8 59.8

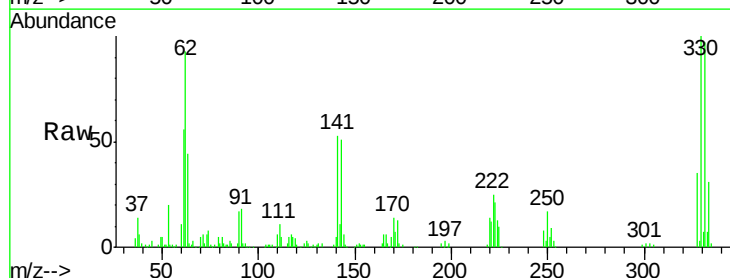


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

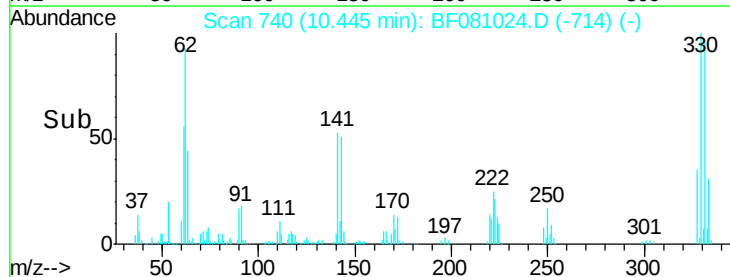
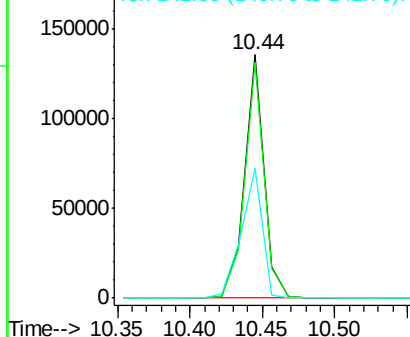


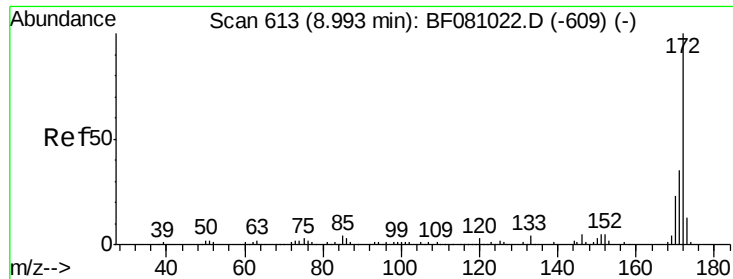
#41  
2,4,6-Tribromophenol  
Concen: 114.73 ng  
RT: 10.44 min Scan# 740  
Delta R.T. 0.00 min  
Lab File: BF081024.D  
Acq: 18 Aug 2015 2:10

Tgt Ion:330 Resp: 126626  
Ion Ratio Lower Upper  
330 100  
332 96.0 77.3 115.9  
141 57.3 44.9 67.3



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

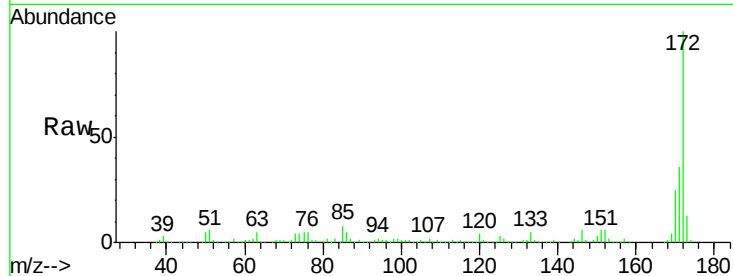




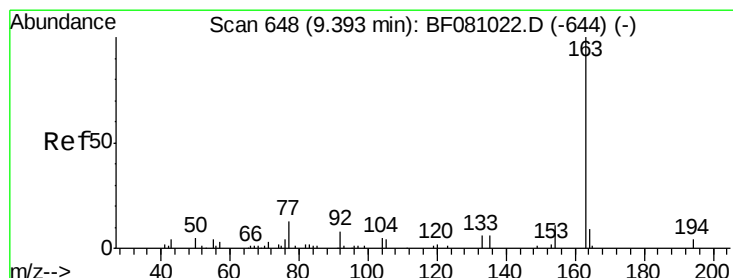
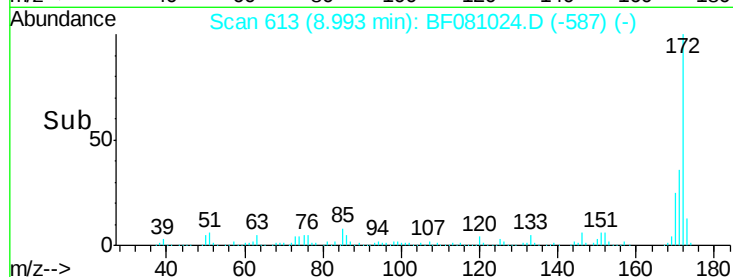
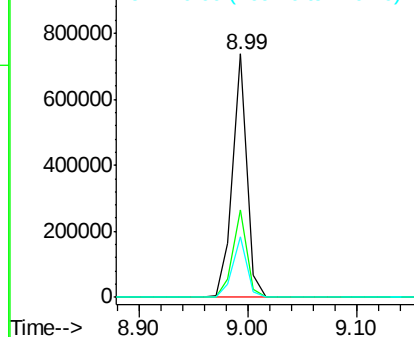
#44  
2-Fluorobiphenyl  
Concen: 69.12 ng  
RT: 8.99 min Scan# 613  
Delta R.T. 0.00 min  
Lab File: BF081024.D  
Acq: 18 Aug 2015 2:10

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-01-017-B

Tot Ion:172 Resp: 671696  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.9 43.3  
170 24.7 19.4 29.2

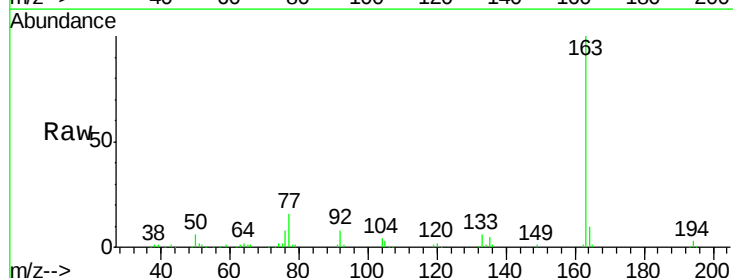


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

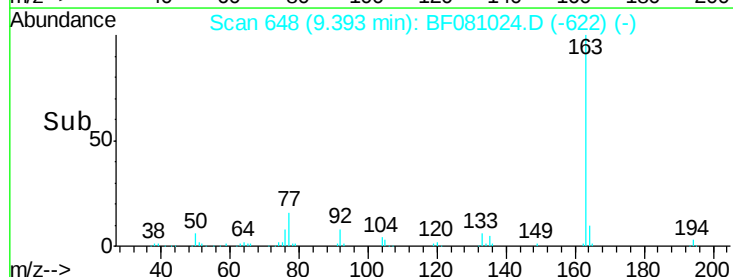
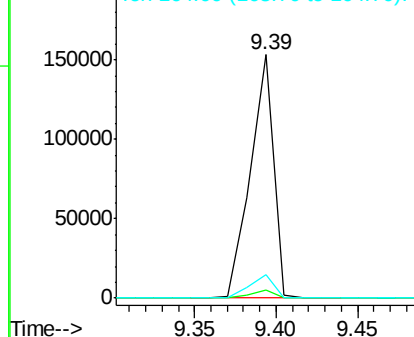


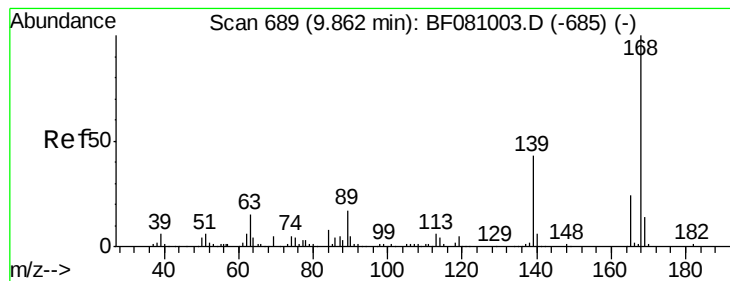
#49  
Dimethylphthalate  
Concen: 14.35 ng  
RT: 9.39 min Scan# 648  
Delta R.T. 0.00 min  
Lab File: BF081024.D  
Acq: 18 Aug 2015 2:10

Tgt Ion:163 Resp: 150484  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.5 3.7  
164 9.6 8.1 12.1



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

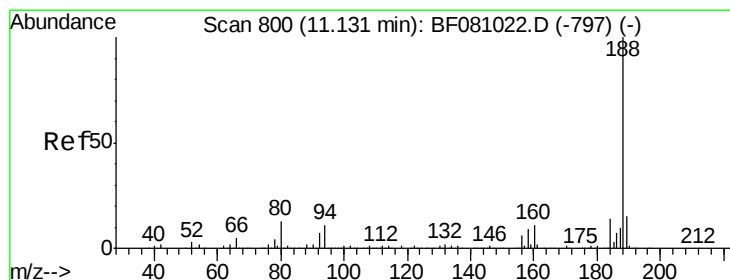
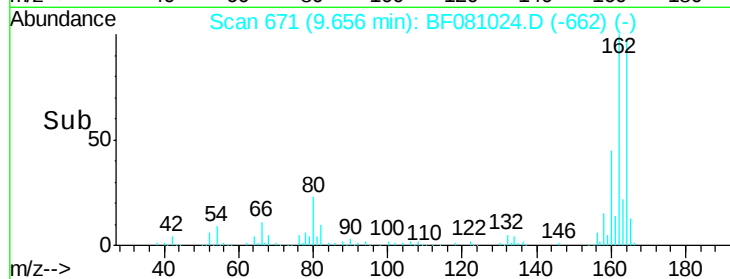
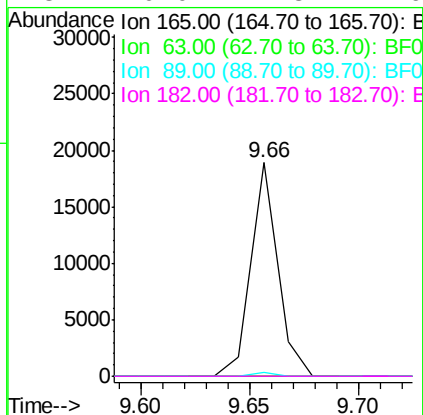
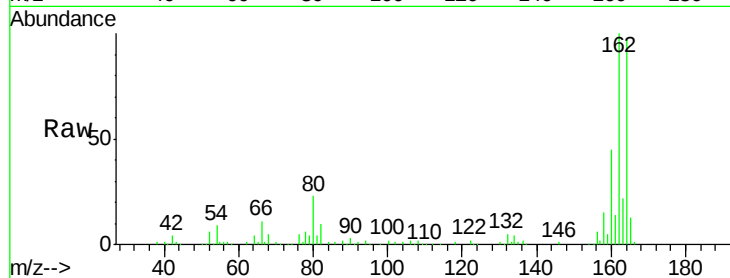




#56  
 2,4-Dinitrotoluene  
 Concen: 5.44 ng  
 RT: 9.66 min Scan# 671  
 Delta R.T. -0.19 min  
 Lab File: BF081024.D  
 Acq: 18 Aug 2015 2:10

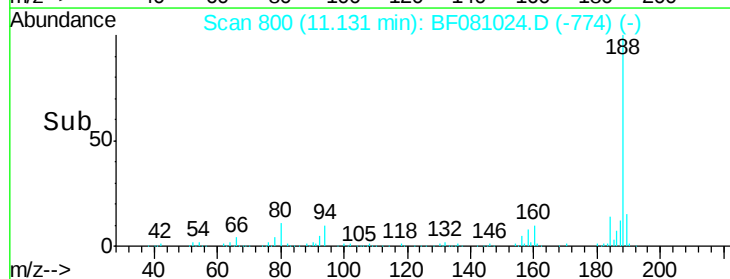
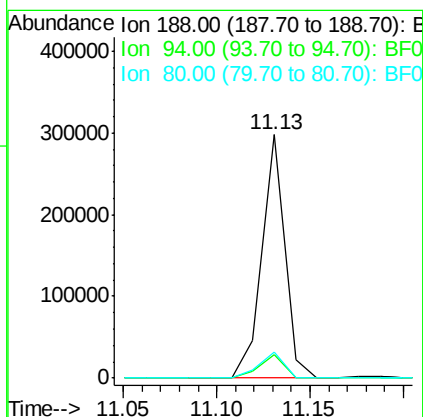
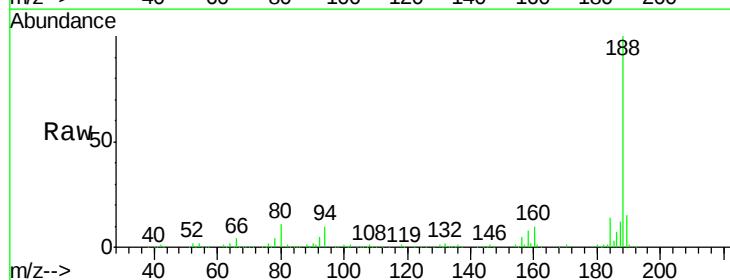
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-01-017-B

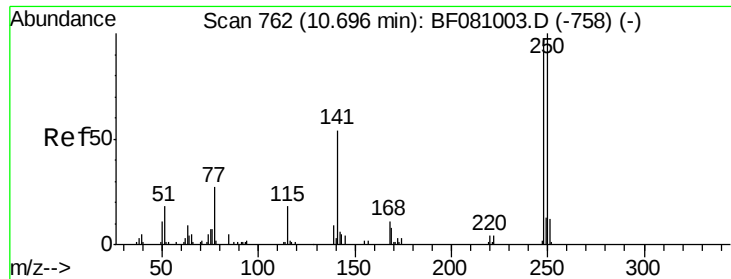
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 52.2  | 78.4# |
| 89      | 1.8   | 60.1  | 90.1# |
| 182     | 0.0   | 1.8   | 2.6#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.13 min Scan# 800  
 Delta R.T. 0.00 min  
 Lab File: BF081024.D  
 Acq: 18 Aug 2015 2:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.5   | 8.2   | 12.2  |
| 80      | 10.7  | 9.5   | 14.3  |





#66

4-Bromophenyl-phenylether

Concen: 4.14 ng

RT: 10.44 min Scan# 740

Delta R.T. -0.24 min

Lab File: BF081024.D

Acq: 18 Aug 2015 2:10

Instrument :

BNA\_F

ClientSampleId :

FK-GF-01-017-B

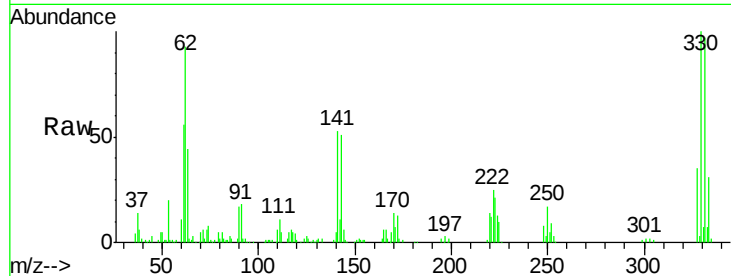
Tot Ion:248 Resp: 10244

Ion Ratio Lower Upper

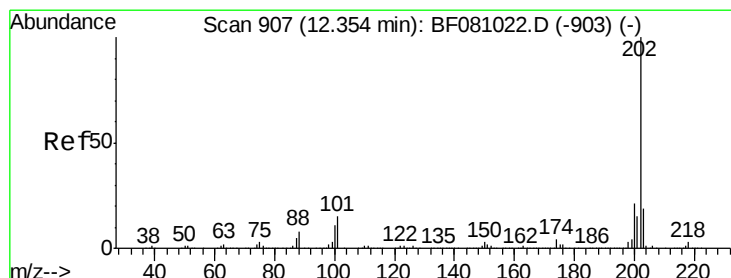
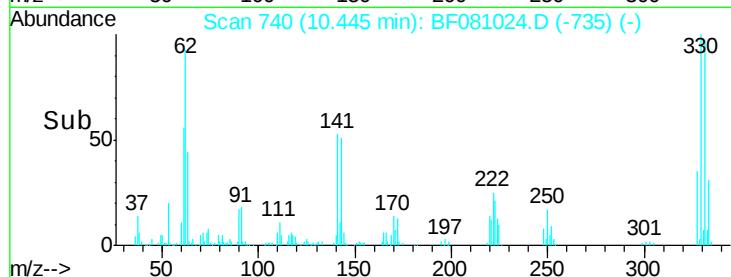
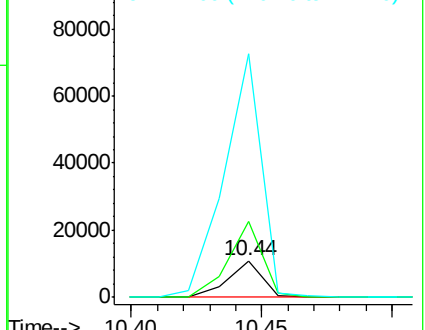
248 100

250 206.7 77.8 116.6#

141 660.0 39.8 59.6#



Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E



#74

Fluoranthene

Concen: 2.98 ng

RT: 12.33 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF081024.D

Acq: 18 Aug 2015 2:10

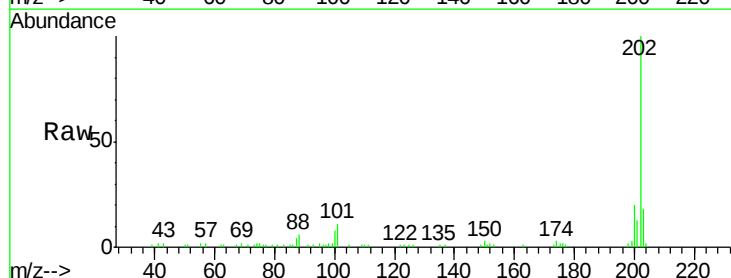
Tgt Ion:202 Resp: 48012

Ion Ratio Lower Upper

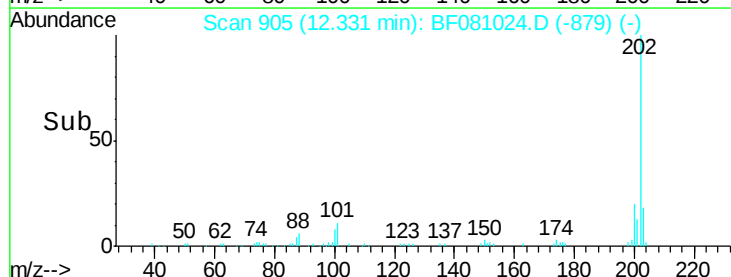
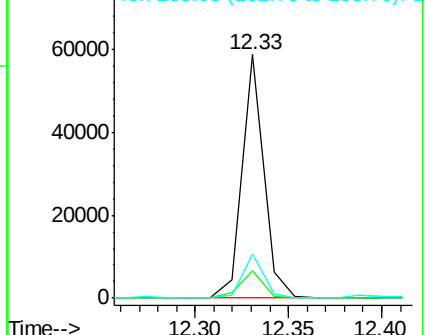
202 100

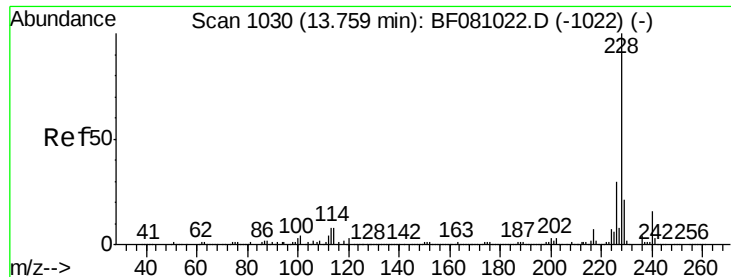
101 11.0 0.0 24.8

203 17.8 0.0 36.9



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

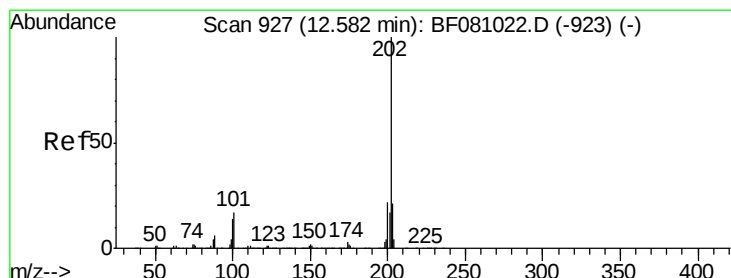
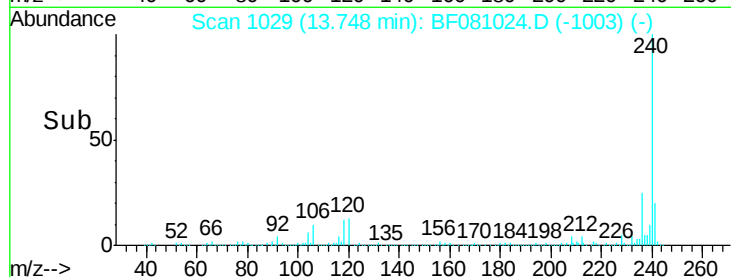
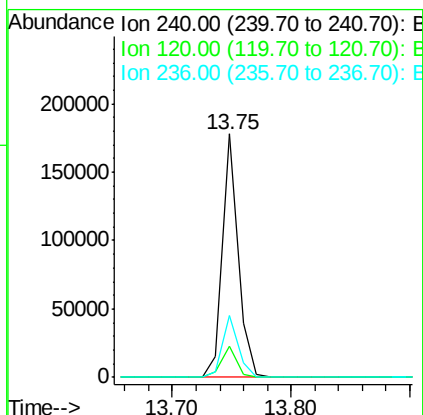
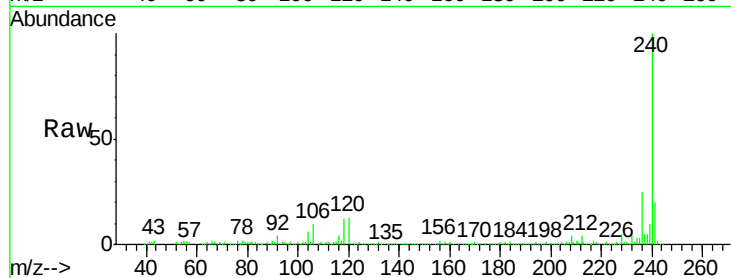




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.75 min Scan# 1029  
 Delta R.T. 0.00 min  
 Lab File: BF081024.D  
 Acq: 18 Aug 2015 2:10

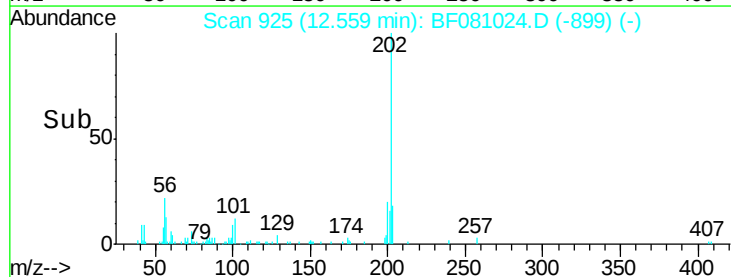
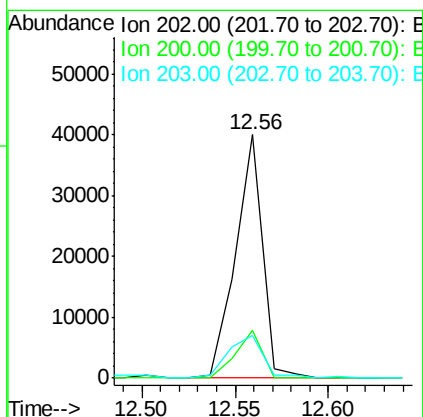
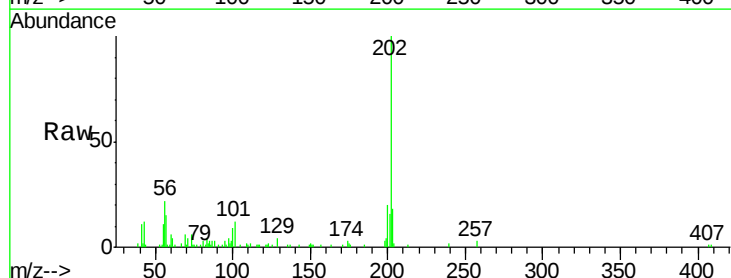
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-01-017-B

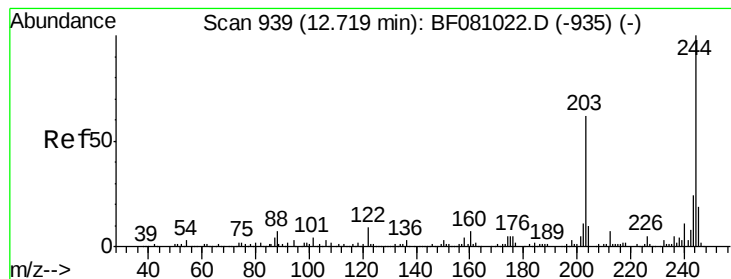
Tot Ion:240 Resp: 162159  
 Ion Ratio Lower Upper  
 240 100  
 120 12.9 5.6 8.4#  
 236 25.5 20.6 30.8



#77  
 Pyrene  
 Concen: 3.07 ng  
 RT: 12.56 min Scan# 925  
 Delta R.T. 0.00 min  
 Lab File: BF081024.D  
 Acq: 18 Aug 2015 2:10

Tgt Ion:202 Resp: 40529  
 Ion Ratio Lower Upper  
 202 100  
 200 19.5 16.6 24.8  
 203 17.5 14.1 21.1





#78

Terphenyl-d14

Concen: 66.43 ng

RT: 12.72 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF081024.D

Acq: 18 Aug 2015 2:10

Instrument :

BNA\_F

ClientSampleId :

FK-GF-01-017-B

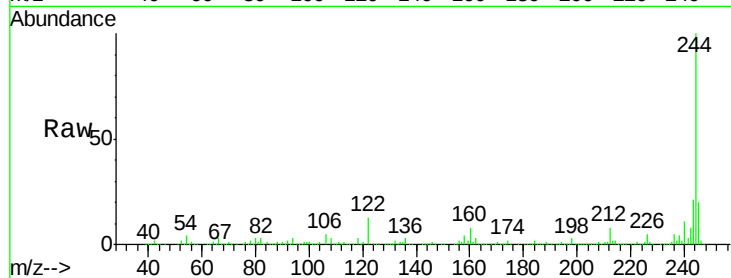
Tot Ion:244 Resp: 502467

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

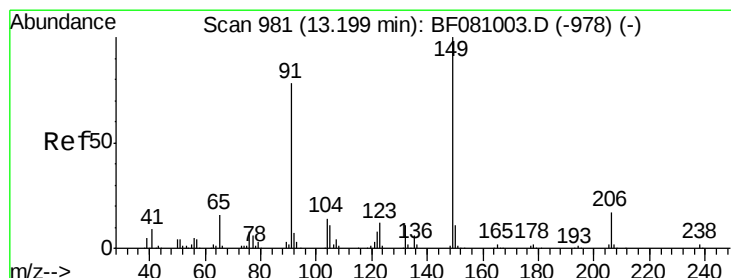
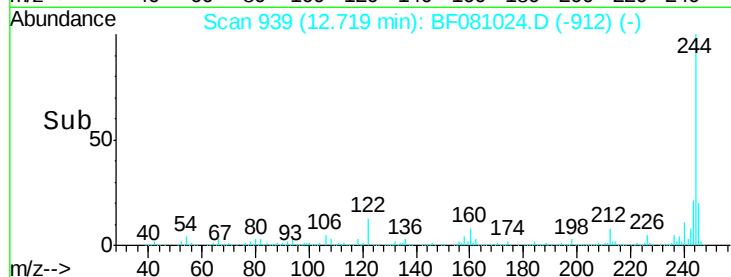
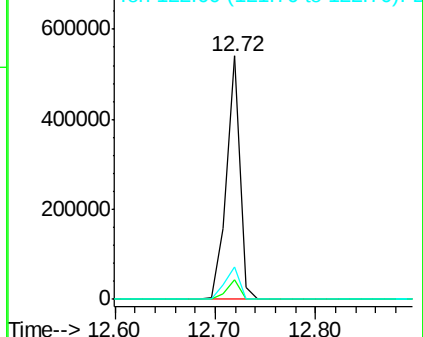
122 13.1 8.2 12.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 4.99 ng

RT: 13.20 min Scan# 981

Delta R.T. 0.00 min

Lab File: BF081024.D

Acq: 18 Aug 2015 2:10

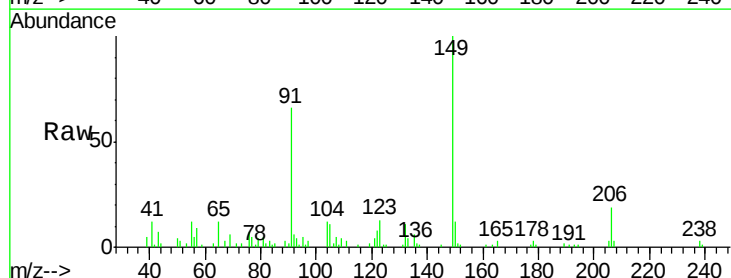
Tgt Ion:149 Resp: 28266

Ion Ratio Lower Upper

149 100

91 66.1 46.9 70.3

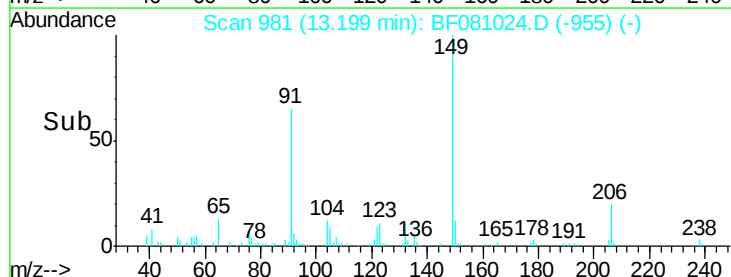
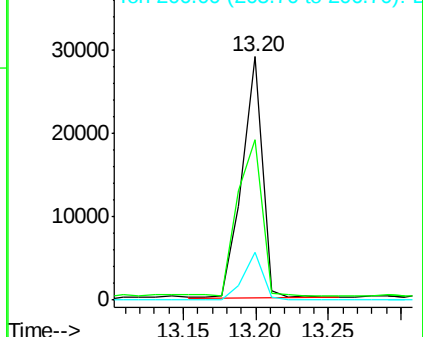
206 19.4 17.0 25.4

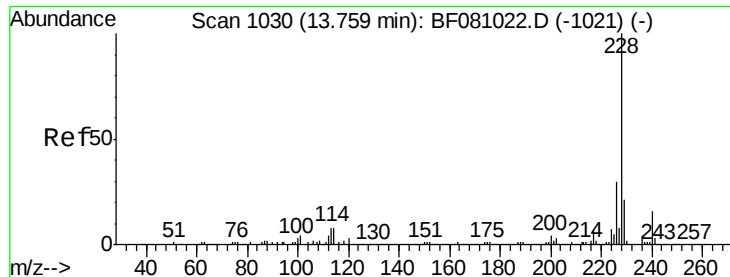


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 2.23 ng

RT: 13.74 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF081024.D

Acq: 18 Aug 2015 2:10

Instrument :

BNA\_F

ClientSampleId :

FK-GF-01-017-B

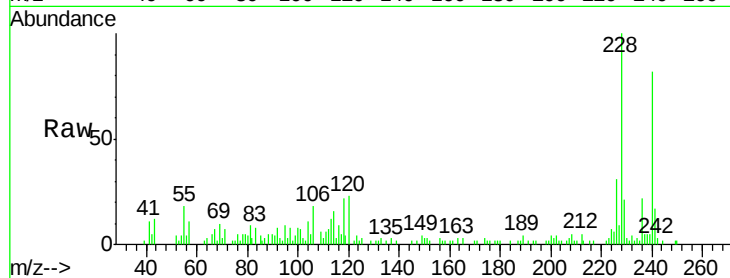
Tot Ion:228 Resp: 24284

Ion Ratio Lower Upper

228 100

226 30.7 22.3 33.5

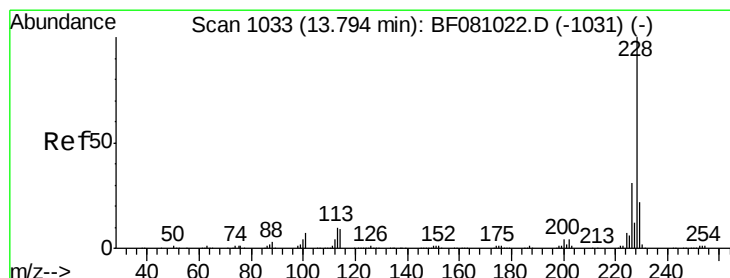
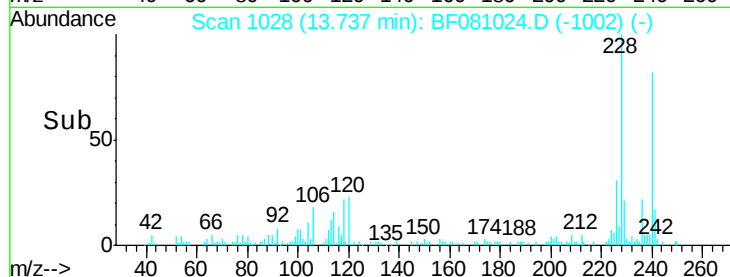
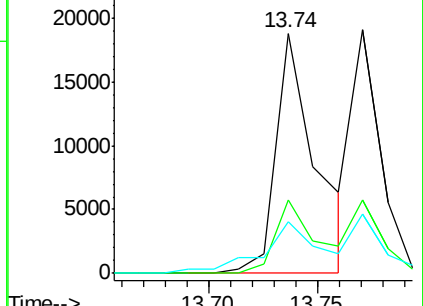
229 21.3 15.9 23.9



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: 2.48 ng

RT: 13.74 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF081024.D

Acq: 18 Aug 2015 2:10

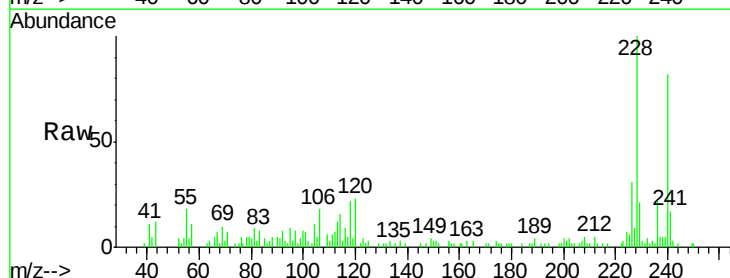
Tgt Ion:228 Resp: 24284

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

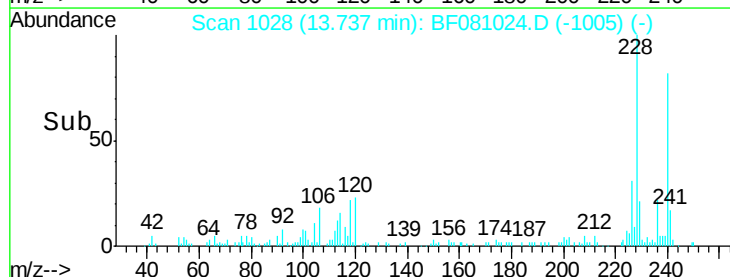
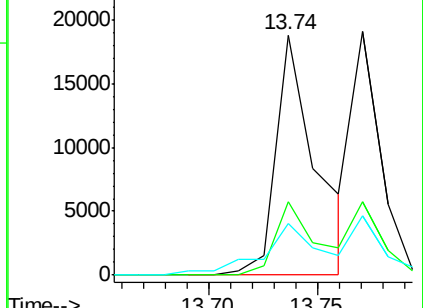
229 21.3 16.0 24.0

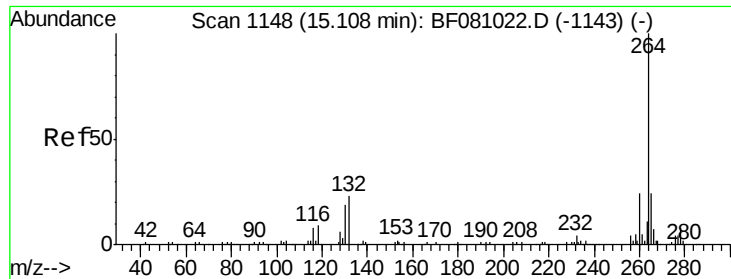


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.11 min Scan# 1148

Delta R.T. 0.01 min

Lab File: BF081024.D

Acq: 18 Aug 2015 2:10

Instrument :

BNA\_F

ClientSampleId :

FK-GF-01-017-B

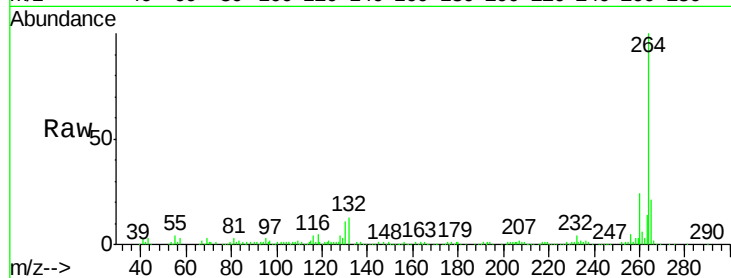
Tot Ion:264 Resp: 150694

Ion Ratio Lower Upper

264 100

260 24.3 19.6 29.4

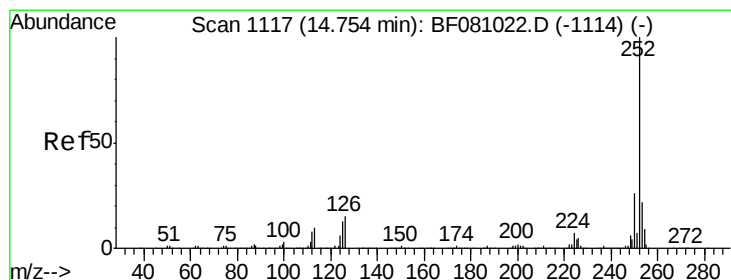
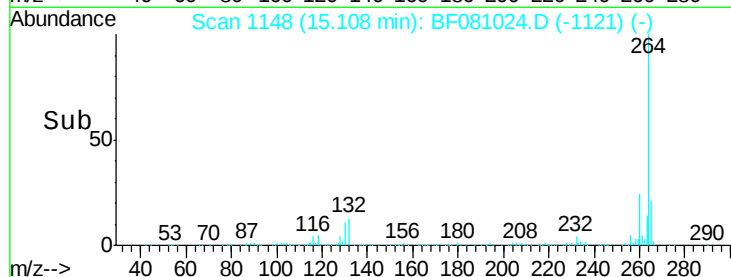
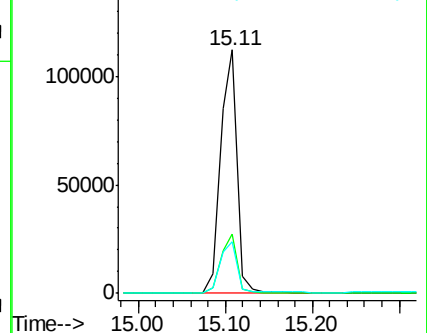
265 21.2 17.5 26.3



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: 3.34 ng

RT: 14.73 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BF081024.D

Acq: 18 Aug 2015 2:10

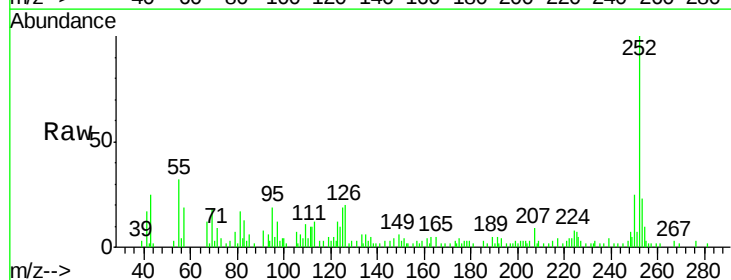
Tgt Ion:252 Resp: 35607

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

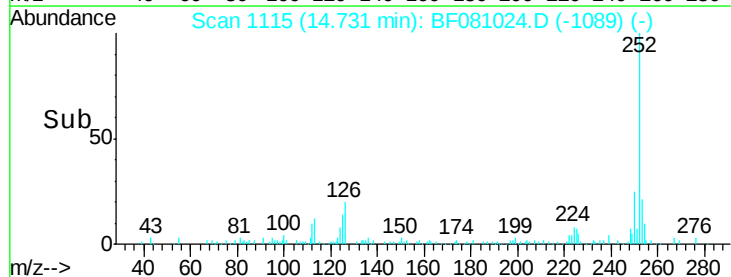
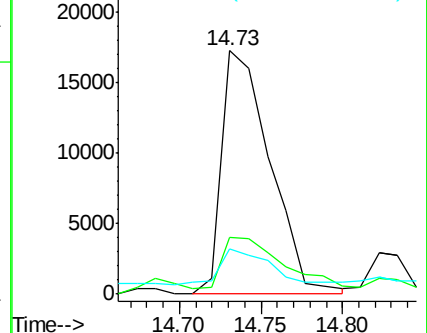
125 18.5 8.0 12.0#

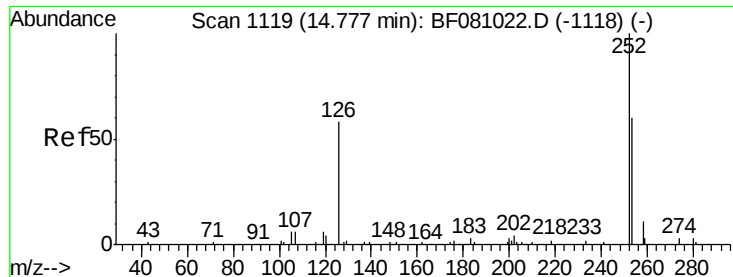


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.58 ng

RT: 14.73 min Scan# 1115

Delta R.T. -0.03 min

Lab File: BF081024.D

Acq: 18 Aug 2015 2:10

Instrument :

BNA\_F

ClientSampleId :

FK-GF-01-017-B

Tot Ion: 252 Resp: 35607

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 18.5 10.3 15.5#

