

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG042015\  
 Data File : BG016552.D  
 Acq On : 20 Apr 2015 15:47  
 Operator : TP/IZ  
 Sample : G1880-10  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S6-1-4

Quant Time: Apr 21 01:50:56 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 21 01:34:55 2015  
 Response via : Initial Calibration

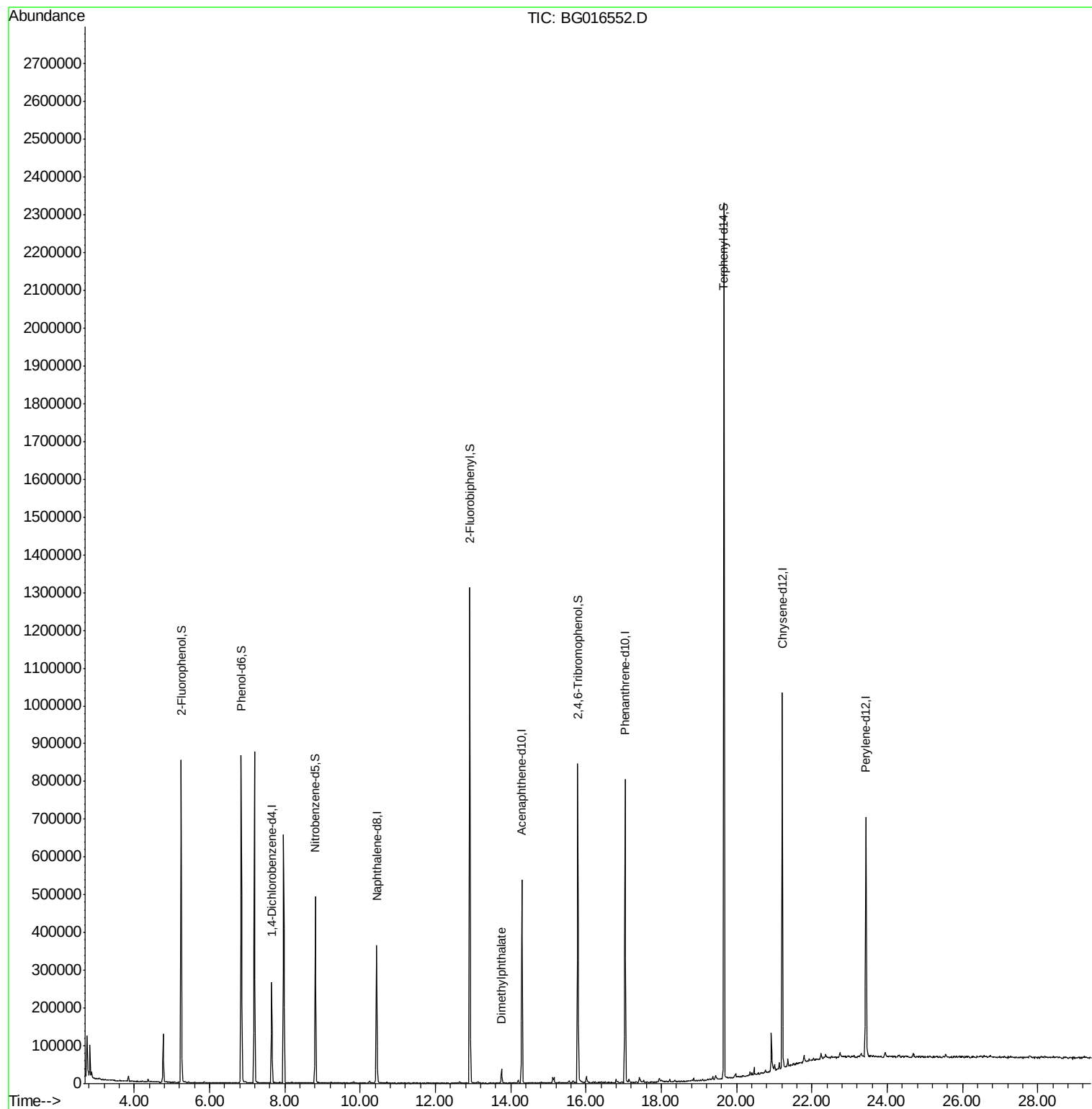
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.65  | 152  | 73310    | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.44 | 136  | 314124   | 20.00 | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.29 | 164  | 185114   | 20.00 | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.03 | 188  | 413881   | 20.00 | ng    | 0.00         |
| 75) Chrysene-d12            | 21.21 | 240  | 383517   | 20.00 | ng    | 0.00         |
| 86) Perylene-d12            | 23.43 | 264  | 360264   | 20.00 | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.24  | 112  | 408452   | 87.93 | ng    | 0.00         |
| 7) Phenol-d6                | 6.84  | 99   | 575324   | 82.50 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 8.81  | 82   | 290682   | 53.61 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 15.78 | 330  | 120068   | 95.91 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 12.92 | 172  | 665504   | 61.21 | ng    | 0.00         |
| 78) Terphenyl-d14           | 19.66 | 244  | 891004   | 54.37 | ng    | 0.00         |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 13.76 | 163  | 28171    | 2.08  | ng    | Qvalue<br>99 |

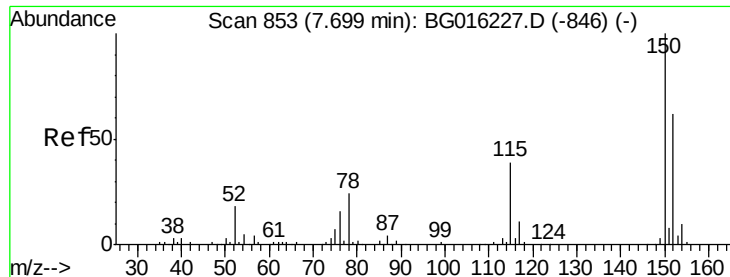
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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S6-1-4

Quant Time: Apr 21 01:50:56 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 21 01:34:55 2015  
Response via : Initial Calibration

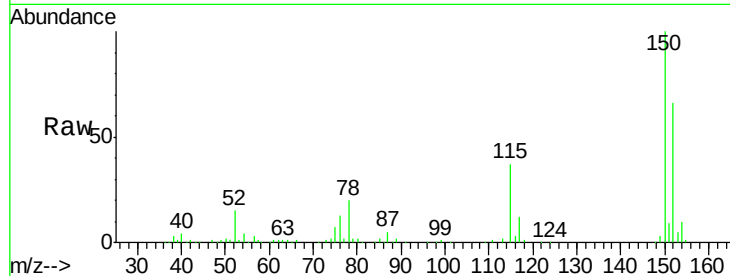




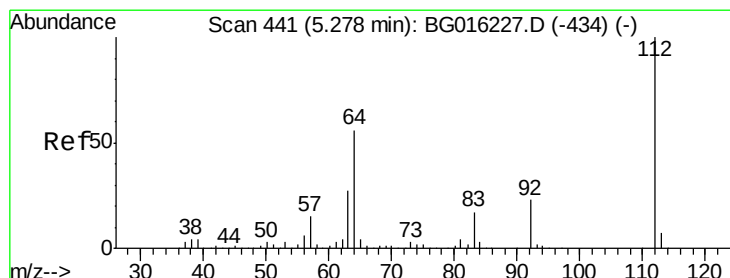
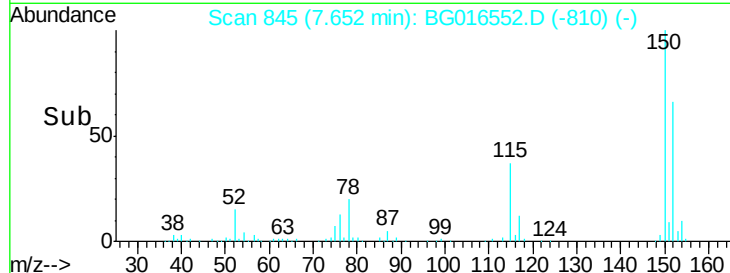
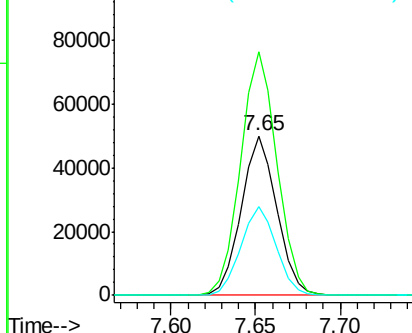
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.65 min Scan# 845  
 Delta R.T. 0.01 min  
 Lab File: BG016552.D  
 Acq: 20 Apr 2015 15:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S6-1-4

Tgt Ion:152 Resp: 73310  
 Ion Ratio Lower Upper  
 152 100  
 150 152.6 130.1 195.1  
 115 56.0 50.5 75.7

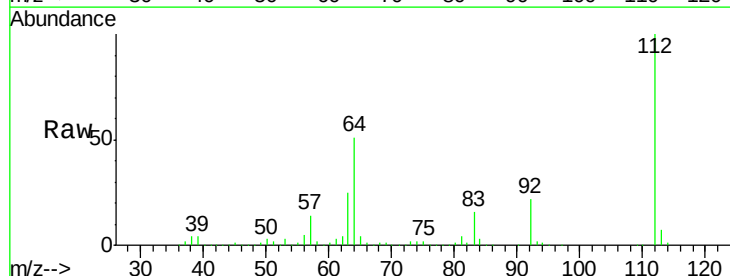


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

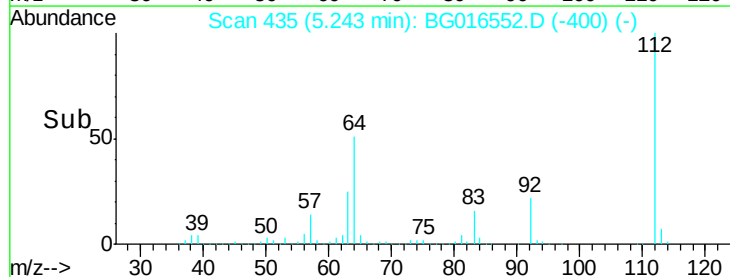
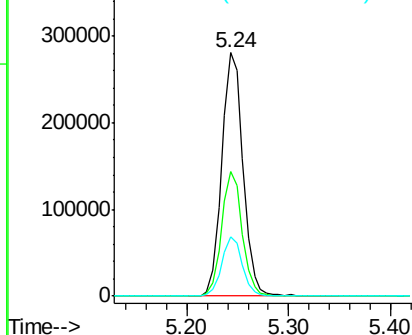


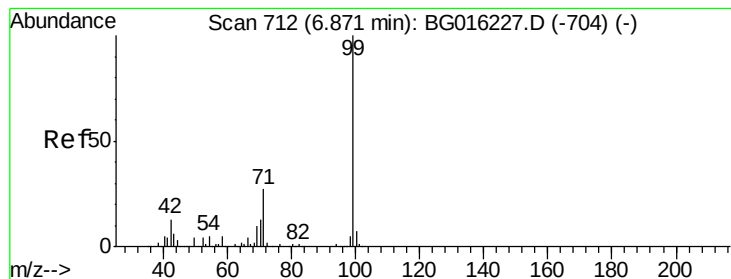
#5  
 2-Fluorophenol  
 Concen: 87.93 ng  
 RT: 5.24 min Scan# 435  
 Delta R.T. 0.01 min  
 Lab File: BG016552.D  
 Acq: 20 Apr 2015 15:47

Tgt Ion:112 Resp: 408452  
 Ion Ratio Lower Upper  
 112 100  
 64 51.3 44.5 66.7  
 63 24.6 21.4 32.0



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BG  
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 82.50 ng

RT: 6.84 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG016552.D

Acq: 20 Apr 2015 15:47

Instrument :

BNA\_G

ClientSampleId :

S6-1-4

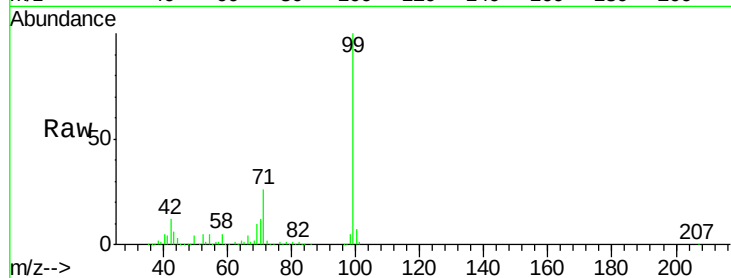
Tgt Ion: 99 Resp: 575324

Ion Ratio Lower Upper

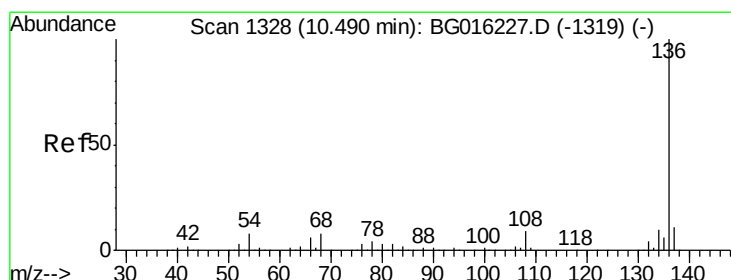
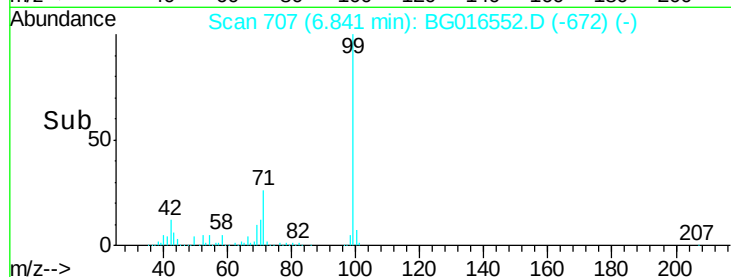
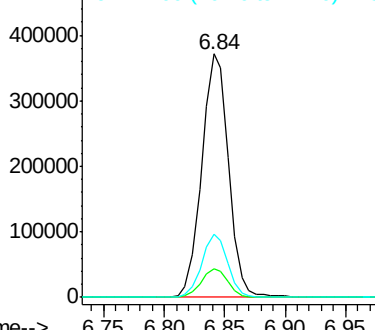
99 100

42 11.9 10.0 15.0

71 26.0 21.5 32.3



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.44 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BG016552.D

Acq: 20 Apr 2015 15:47

Tgt Ion: 136 Resp: 314124

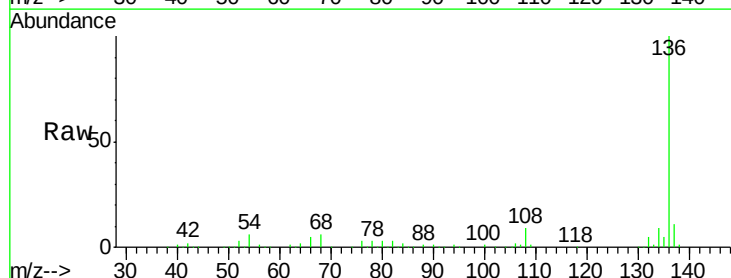
Ion Ratio Lower Upper

136 100

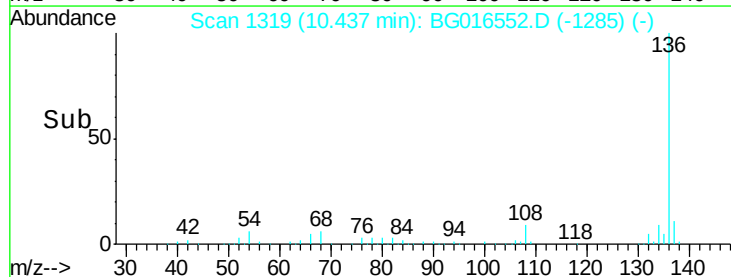
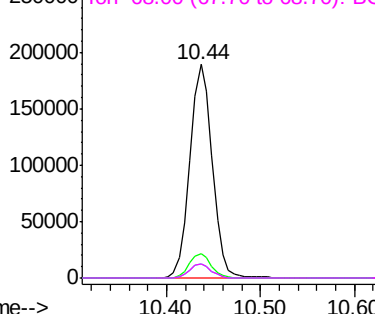
137 11.3 8.7 13.1

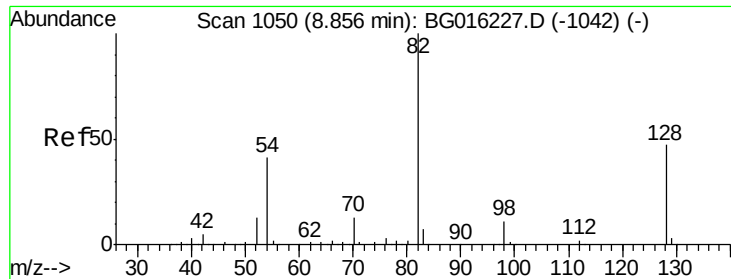
54 6.4 6.3 9.5

68 6.5 6.5 9.7#



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

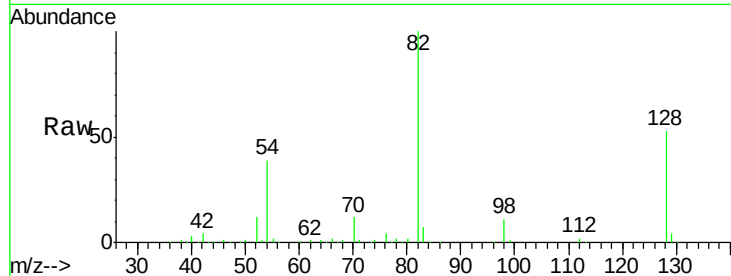




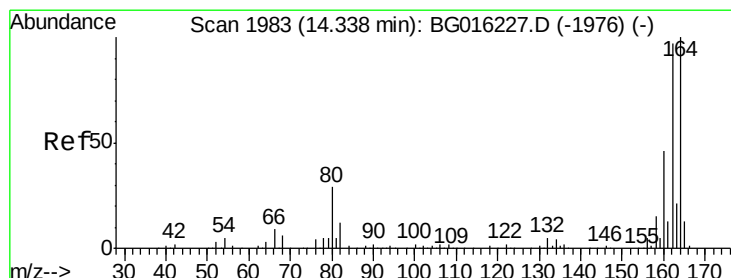
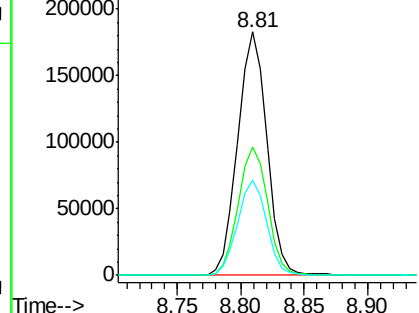
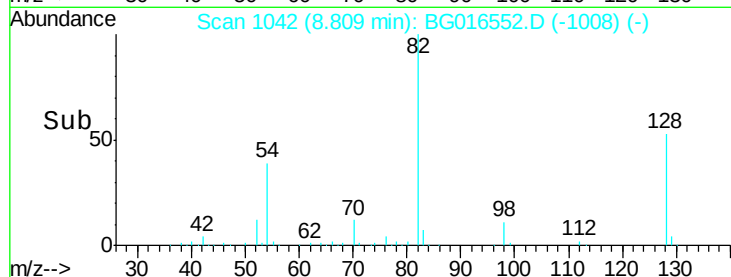
#23  
 Nitrobenzene-d5  
 Concen: 53.61 ng  
 RT: 8.81 min Scan# 1042  
 Delta R.T. 0.00 min  
 Lab File: BG016552.D  
 Acq: 20 Apr 2015 15:47

Instrument :  
 BNA\_G  
 ClientSampled :  
 S6-1-4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 52.5  | 37.8  | 56.8  |
| 54      | 39.2  | 32.6  | 49.0  |

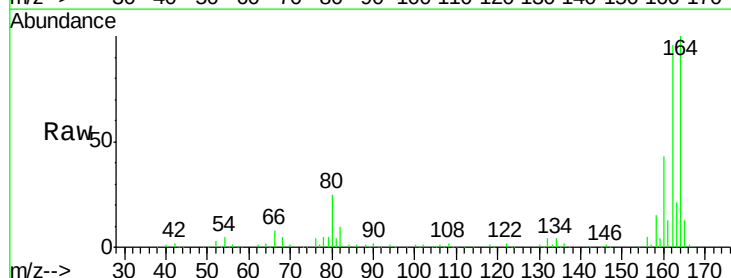


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

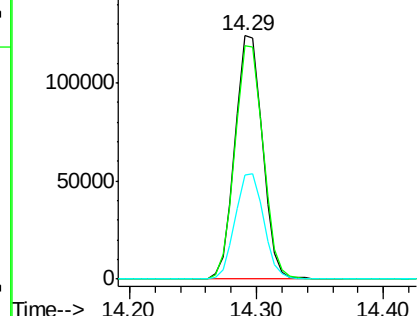
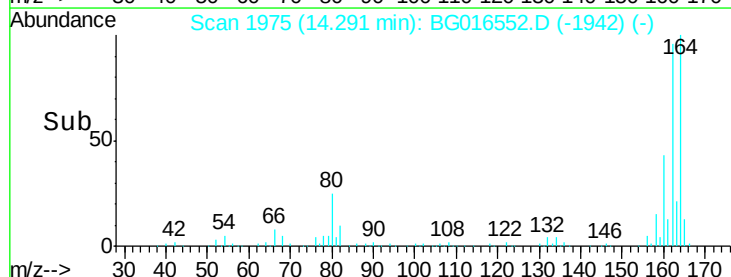


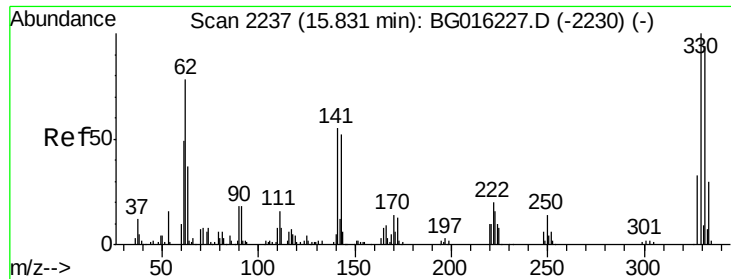
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.29 min Scan# 1975  
 Delta R.T. -0.00 min  
 Lab File: BG016552.D  
 Acq: 20 Apr 2015 15:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 95.9  | 77.3  | 115.9 |
| 160     | 42.9  | 36.7  | 55.1  |



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





#41

2,4,6-Tribromophenol

Concen: 95.91 ng

RT: 15.78 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG016552.D

Acq: 20 Apr 2015 15:47

Instrument :

BNA\_G

ClientSampleId :

S6-1-4

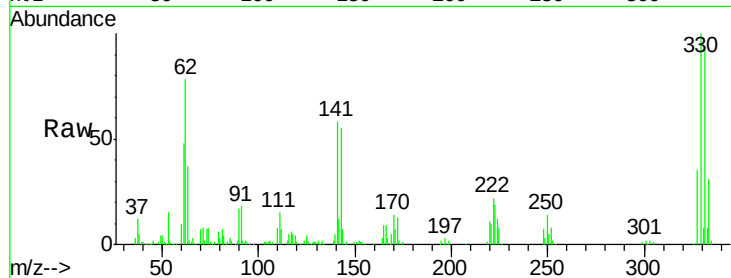
Tgt Ion:330 Resp: 120068

Ion Ratio Lower Upper

330 100

332 96.2 75.8 113.6

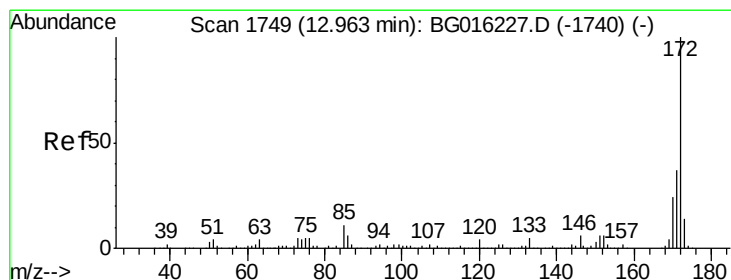
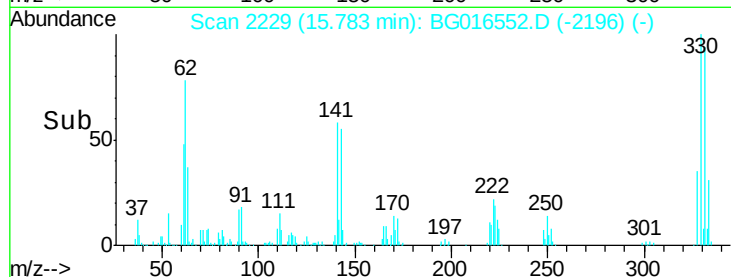
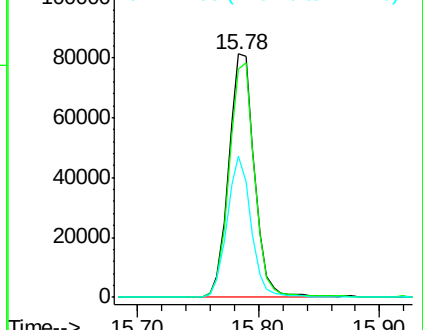
141 54.5 46.6 69.8



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: 61.21 ng

RT: 12.92 min Scan# 1741

Delta R.T. 0.00 min

Lab File: BG016552.D

Acq: 20 Apr 2015 15:47

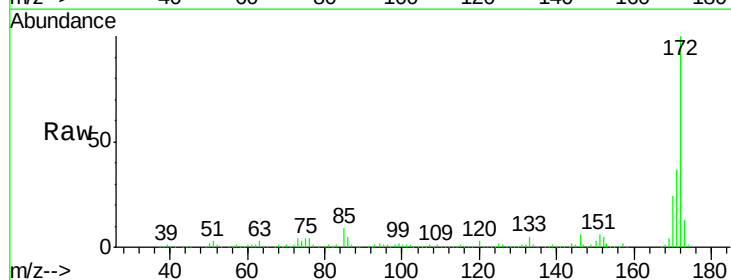
Tgt Ion:172 Resp: 665504

Ion Ratio Lower Upper

172 100

171 37.0 29.6 44.4

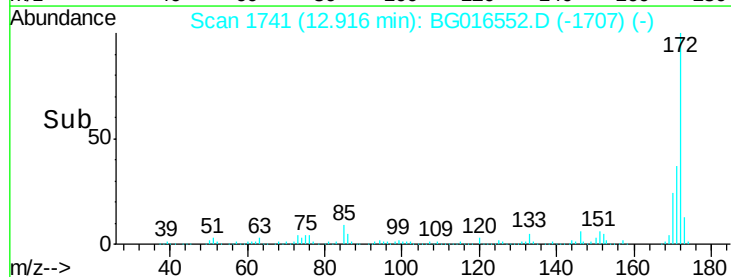
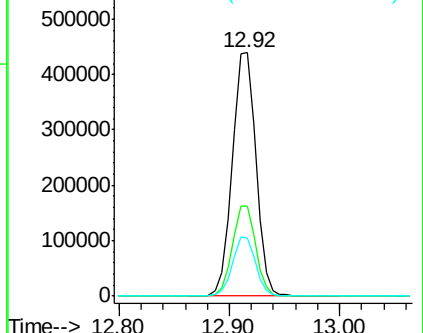
170 24.1 19.4 29.2

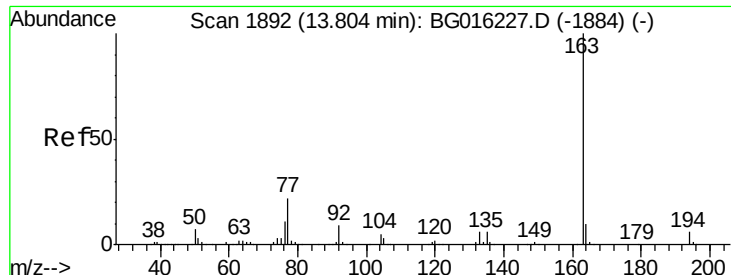


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.08 ng

RT: 13.76 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BG016552.D

Acq: 20 Apr 2015 15:47

Instrument :

BNA\_G

ClientSampleId :

S6-1-4

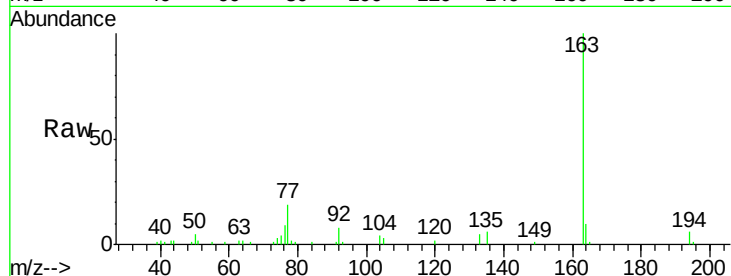
Tgt Ion:163 Resp: 28171

Ion Ratio Lower Upper

163 100

194 5.7 5.0 7.4

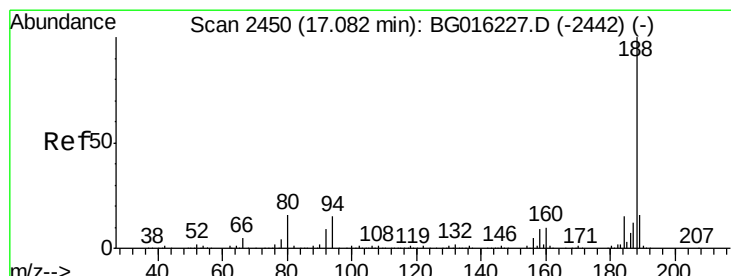
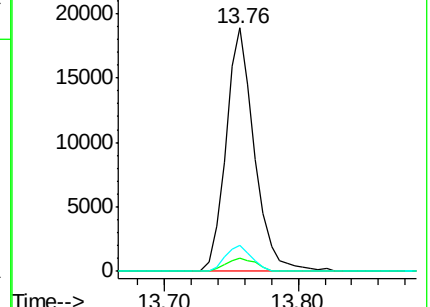
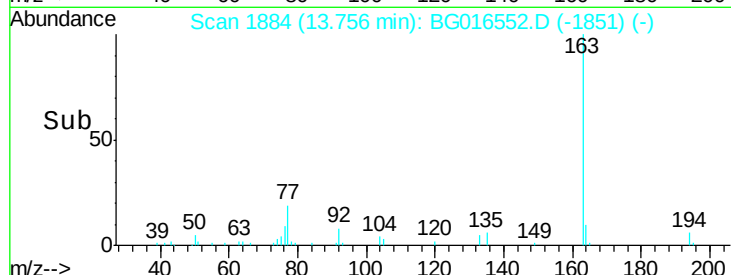
164 10.5 8.2 12.4



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: 17.03 min Scan# 2442

Delta R.T. 0.00 min

Lab File: BG016552.D

Acq: 20 Apr 2015 15:47

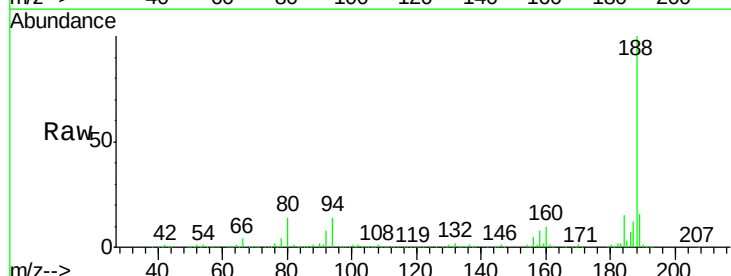
Tgt Ion:188 Resp: 413881

Ion Ratio Lower Upper

188 100

94 14.0 12.2 18.4

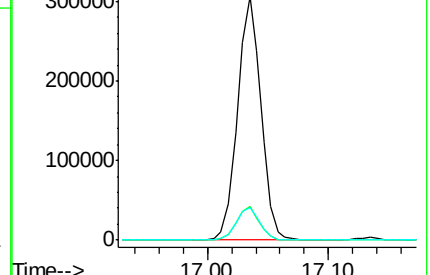
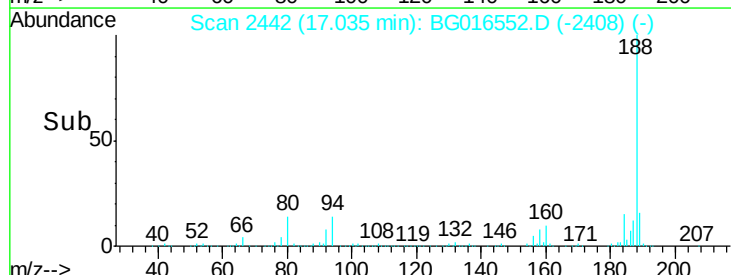
80 13.6 12.8 19.2

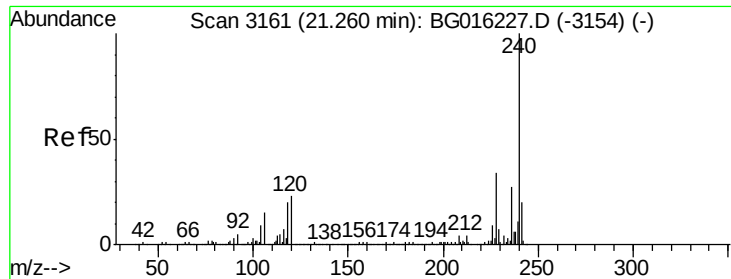


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.21 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG016552.D

Acq: 20 Apr 2015 15:47

Instrument :

BNA\_G

ClientSampleId :

S6-1-4

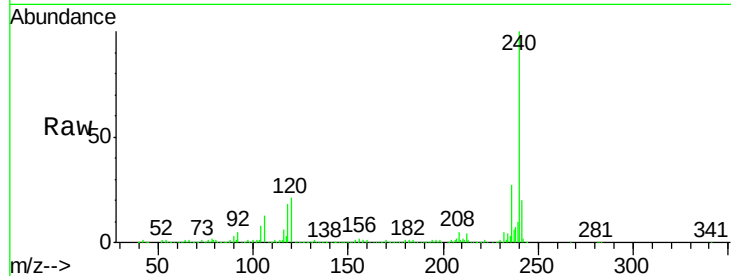
Tgt Ion:240 Resp: 383517

Ion Ratio Lower Upper

240 100

120 20.8 18.6 28.0

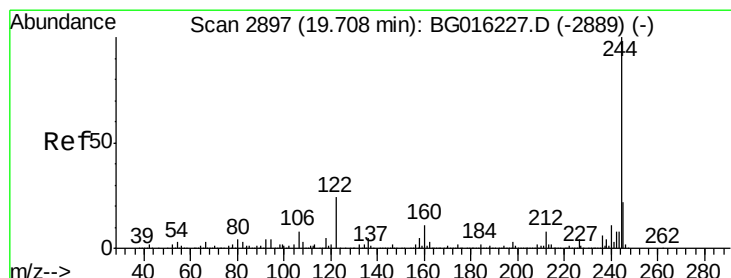
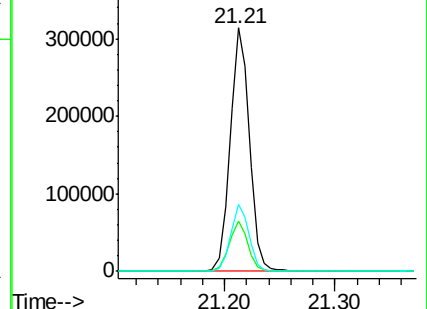
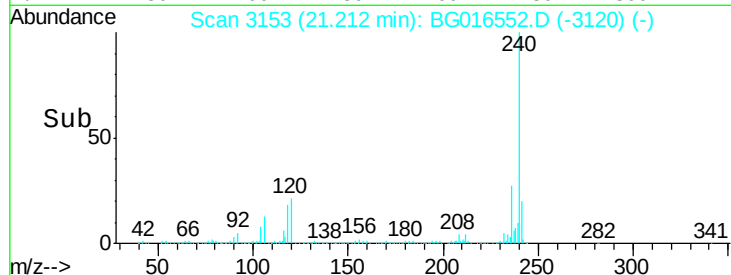
236 27.4 21.7 32.5



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



#78

Terphenyl-d14

Concen: 54.37 ng

RT: 19.66 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG016552.D

Acq: 20 Apr 2015 15:47

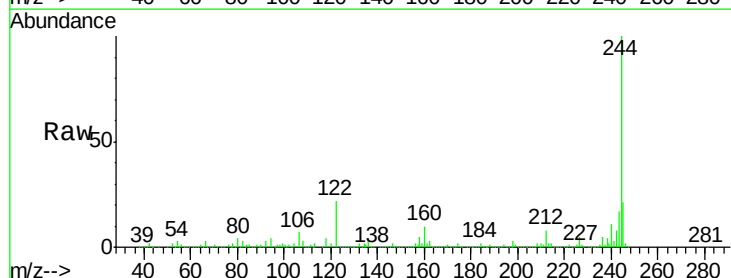
Tgt Ion:244 Resp: 891004

Ion Ratio Lower Upper

244 100

212 8.5 6.6 9.8

122 22.0 19.1 28.7



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

