

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040815\  
 Data File : BG016277.D  
 Acq On : 8 Apr 2015 13:41  
 Operator : TP/IZ  
 Sample : PB82610BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB82610BL

Quant Time: Apr 09 02:40:44 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG040615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 09 02:28:50 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 69953    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.48 | 136  | 311236   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.33 | 164  | 186593   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.08 | 188  | 427156   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.25 | 240  | 403057   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.50 | 264  | 367454   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.27  | 112  | 501189   | 113.07 | ng    | 0.00     |
| 7) Phenol-d6                | 6.87  | 99   | 702953   | 105.64 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.85  | 82   | 353260   | 65.75  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.83 | 330  | 146992   | 116.48 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.96 | 172  | 753993   | 68.80  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.70 | 244  | 1093415  | 63.49  | ng    | 0.00     |

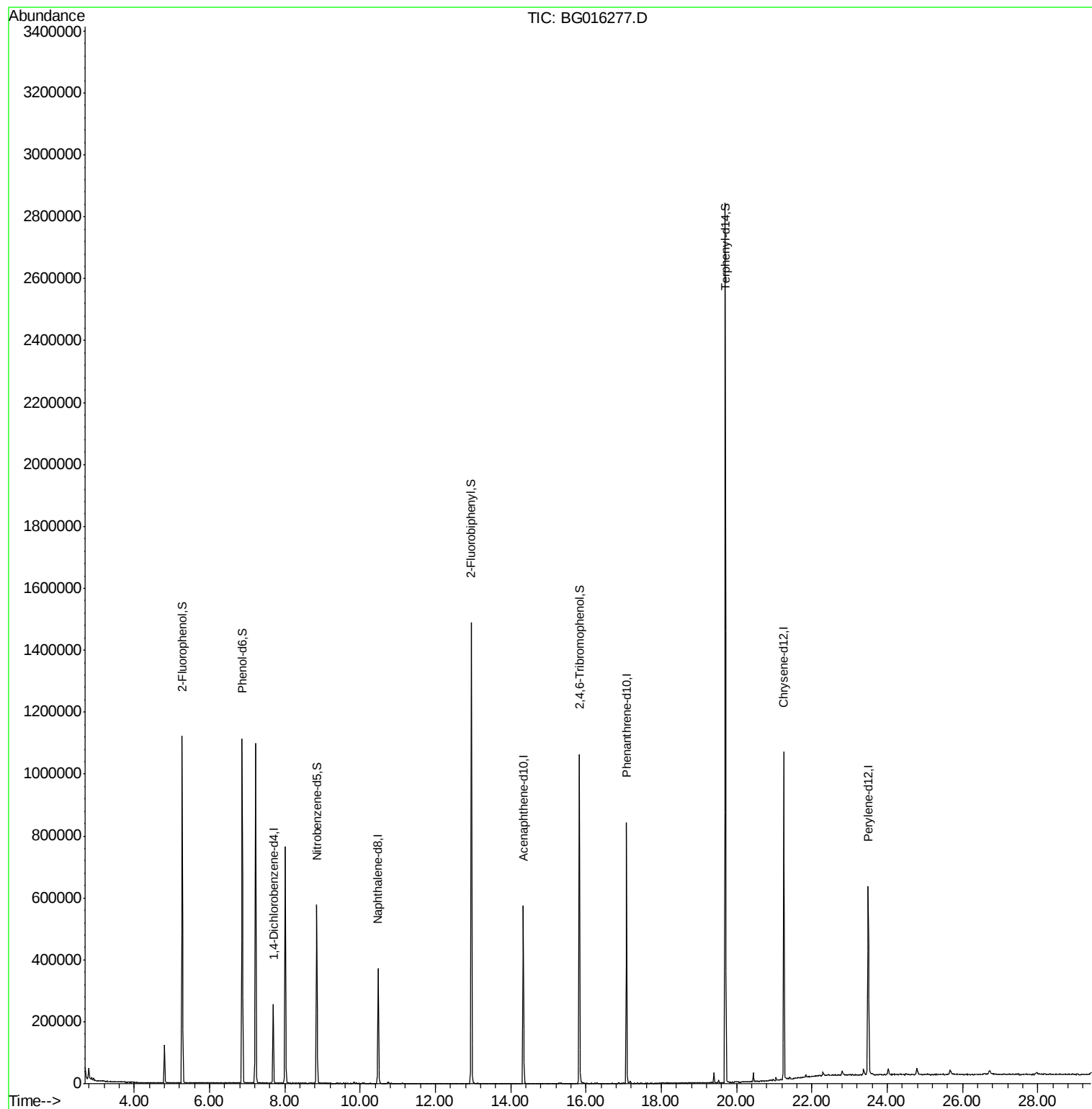
Target Compounds Qvalue

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

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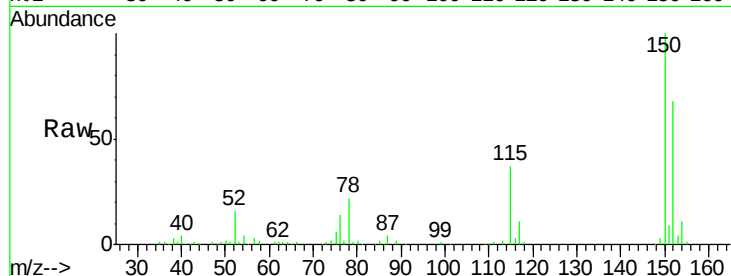


#1

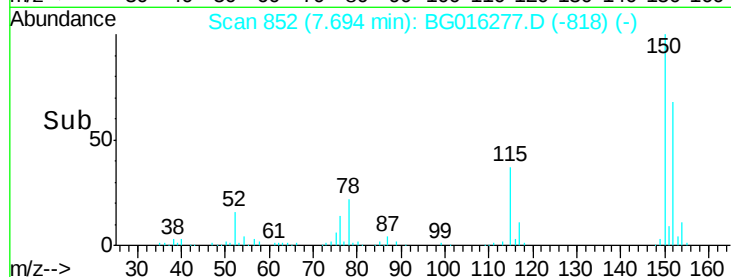
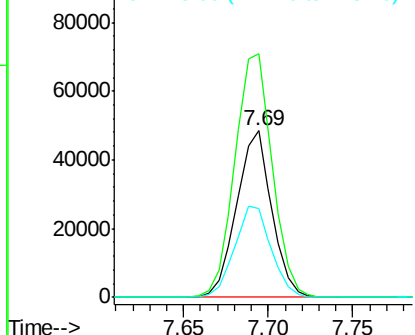
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.69 min Scan# 852  
Delta R.T. 0.00 min  
Lab File: BG016277.D  
Acq: 8 Apr 2015 13:41

Instrument :  
BNA\_G  
ClientSampleId :  
PB82610BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 146.3 | 130.1 | 195.1 |
| 115     | 53.5  | 50.5  | 75.7  |



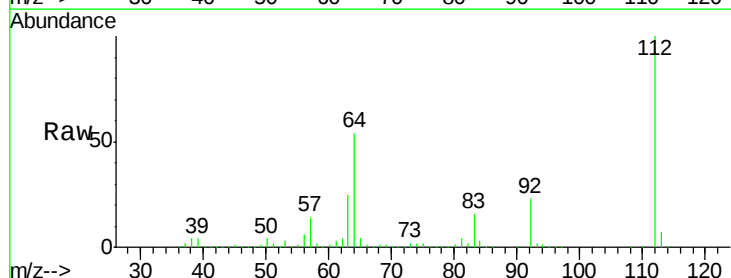
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



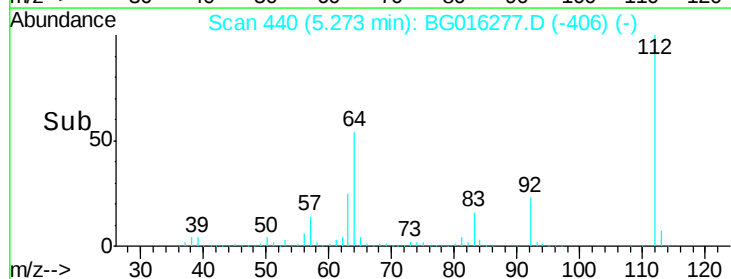
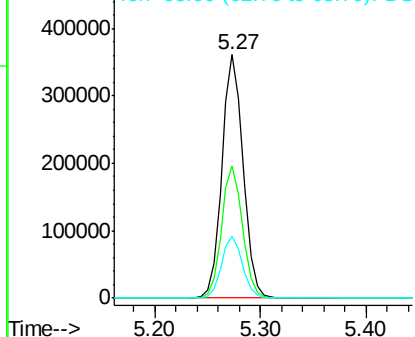
#5

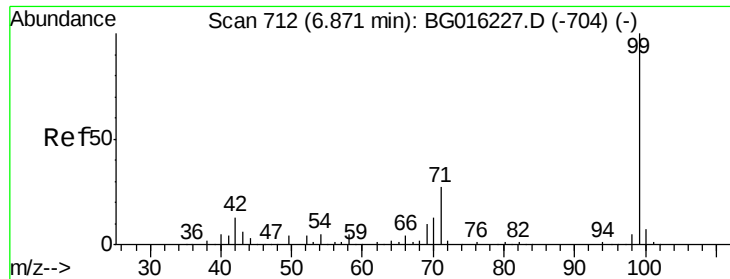
2-Fluorophenol  
Concen: 113.07 ng  
RT: 5.27 min Scan# 440  
Delta R.T. 0.00 min  
Lab File: BG016277.D  
Acq: 8 Apr 2015 13:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.4  | 44.5  | 66.7  |
| 63      | 25.5  | 21.4  | 32.0  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 105.64 ng

RT: 6.87 min Scan# 711

Delta R.T. 0.00 min

Lab File: BG016277.D

Acq: 8 Apr 2015 13:41

Instrument :

BNA\_G

ClientSampleId :

PB82610BL

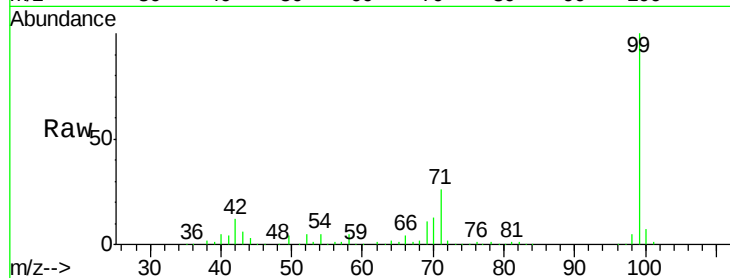
Tot Ion: 99 Resp: 702953

Ion Ratio Lower Upper

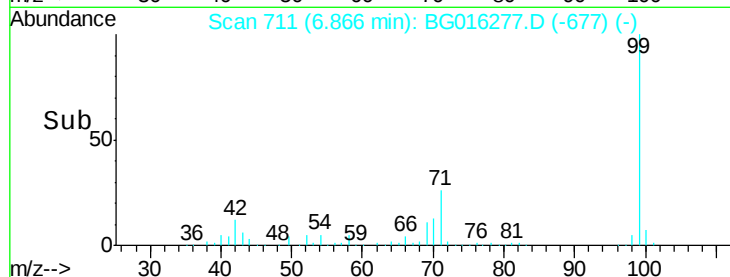
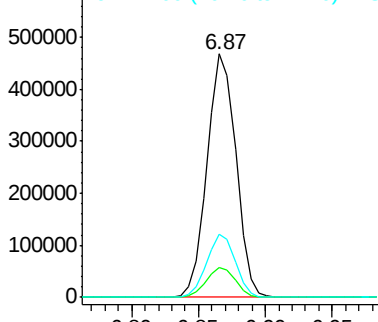
99 100

42 12.1 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: 10.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BG016277.D

Acq: 8 Apr 2015 13:41

Tgt Ion: 136 Resp: 311236

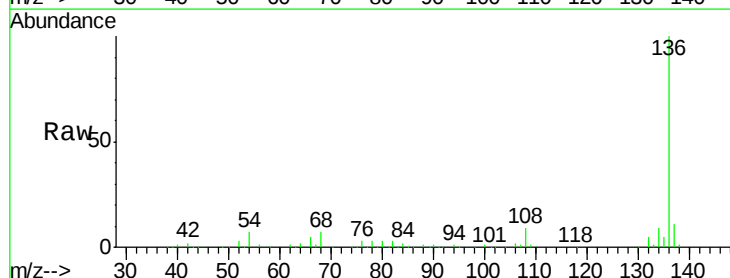
Ion Ratio Lower Upper

136 100

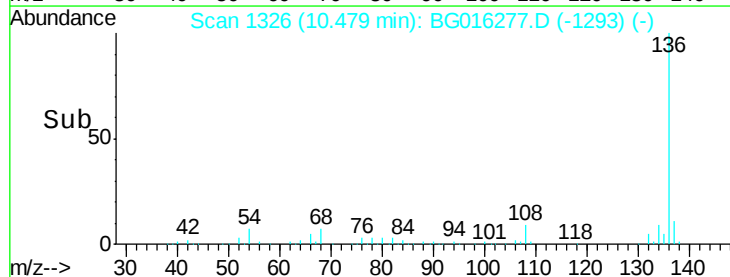
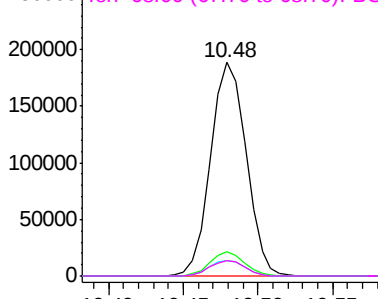
137 11.4 8.7 13.1

54 7.1 6.3 9.5

68 7.4 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

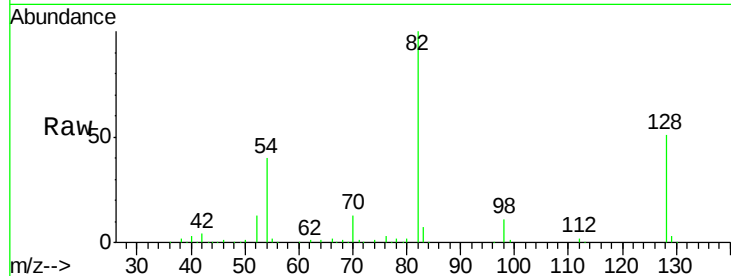




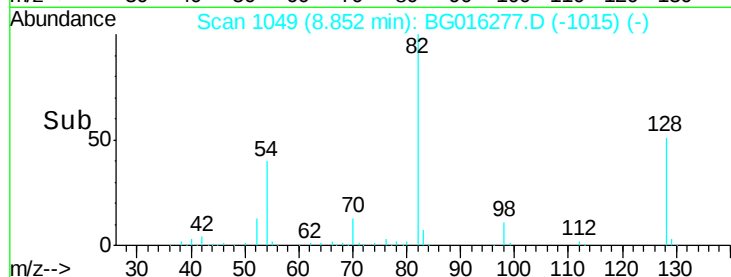
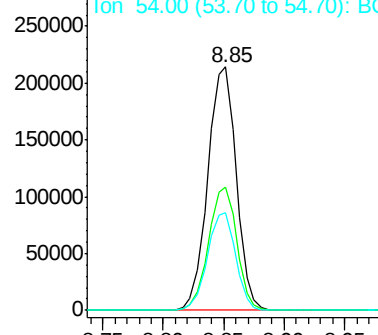
#23  
 Nitrobenzene-d5  
 Concen: 65.75 ng  
 RT: 8.85 min Scan# 1049  
 Delta R.T. 0.00 min  
 Lab File: BG016277.D  
 Acq: 8 Apr 2015 13:41

Instrument :  
 BNA\_G  
 ClientSampled :  
 PB82610BL

Tot Ion: 82 Resp: 353260  
 Ion Ratio Lower Upper  
 82 100  
 128 50.7 37.8 56.8  
 54 39.9 32.6 49.0

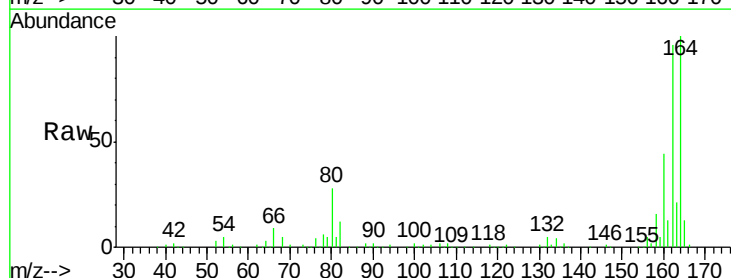


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

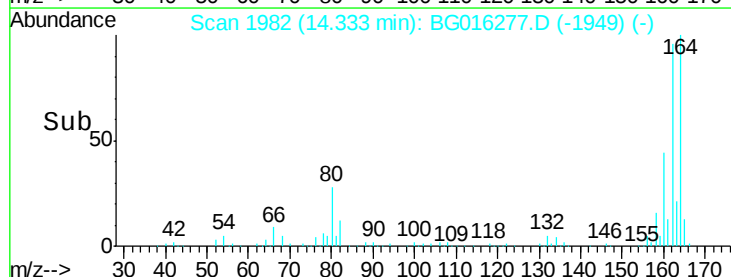
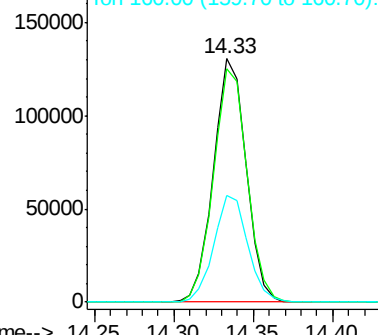


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.33 min Scan# 1982  
 Delta R.T. -0.01 min  
 Lab File: BG016277.D  
 Acq: 8 Apr 2015 13:41

Tgt Ion:164 Resp: 186593  
 Ion Ratio Lower Upper  
 164 100  
 162 95.8 77.3 115.9  
 160 44.0 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: 116.48 ng

RT: 15.83 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BG016277.D

Acq: 8 Apr 2015 13:41

Instrument :

BNA\_G

ClientSampleId :

PB82610BL

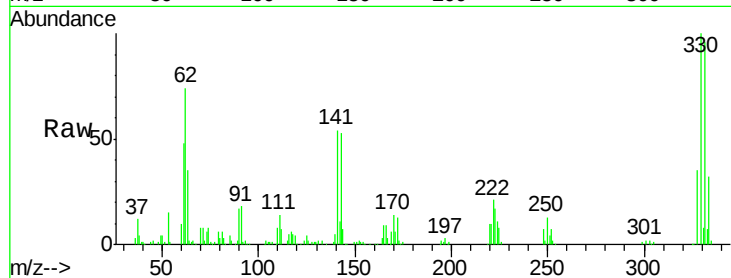
Tot Ion:330 Resp: 146992

Ion Ratio Lower Upper

330 100

332 96.6 75.8 113.6

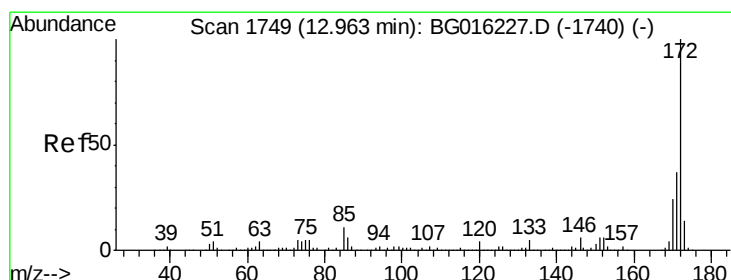
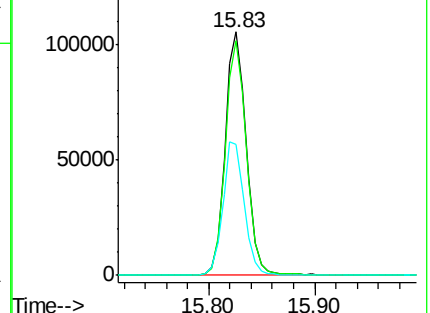
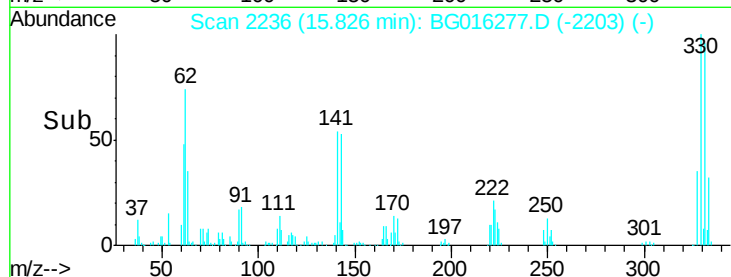
141 55.7 46.6 69.8



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: 68.80 ng

RT: 12.96 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BG016277.D

Acq: 8 Apr 2015 13:41

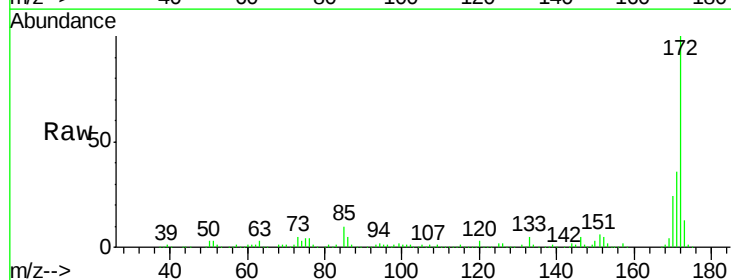
Tgt Ion:172 Resp: 753993

Ion Ratio Lower Upper

172 100

171 36.3 29.6 44.4

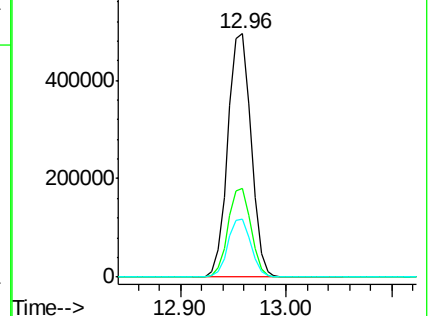
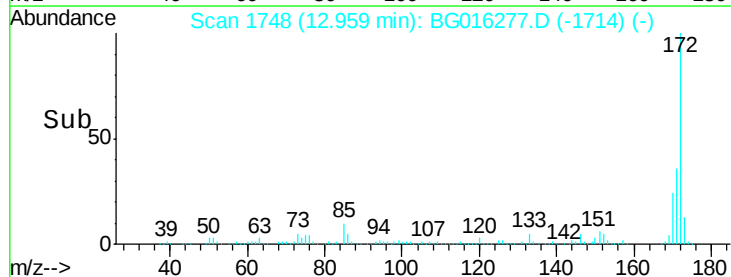
170 23.6 19.4 29.2



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

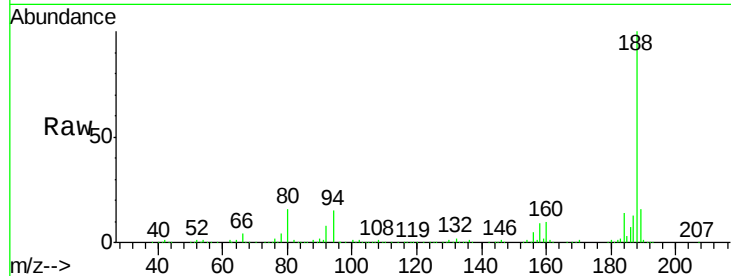




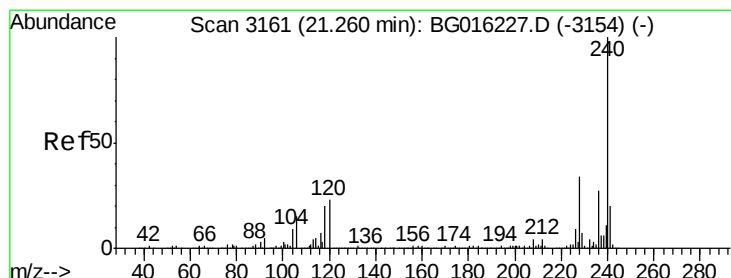
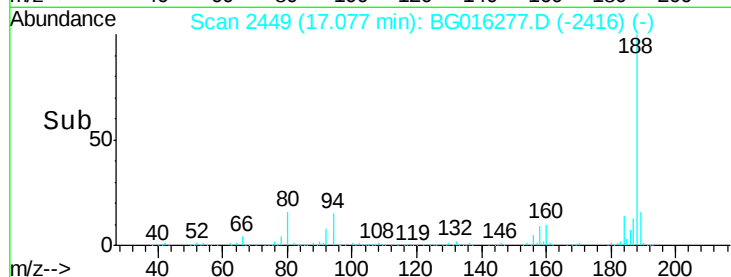
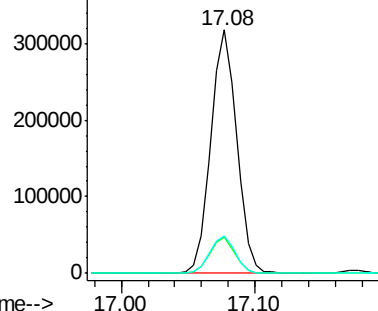
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.08 min Scan# 2449  
Delta R.T. -0.01 min  
Lab File: BG016277.D  
Acq: 8 Apr 2015 13:41

Instrument :  
BNA\_G  
ClientSampleId :  
PB82610BL

Tot Ion:188 Resp: 427156  
Ion Ratio Lower Upper  
188 100  
94 14.8 12.2 18.4  
80 15.6 12.8 19.2

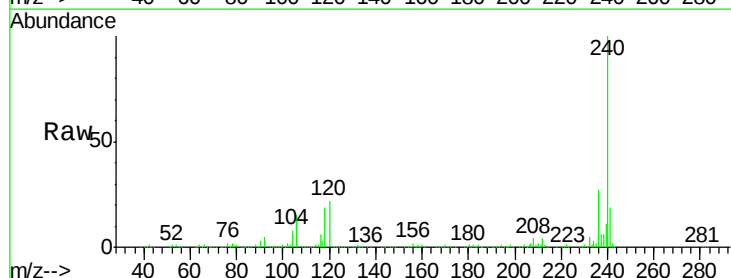


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGO  
Ion 80.00 (79.70 to 80.70): BGO

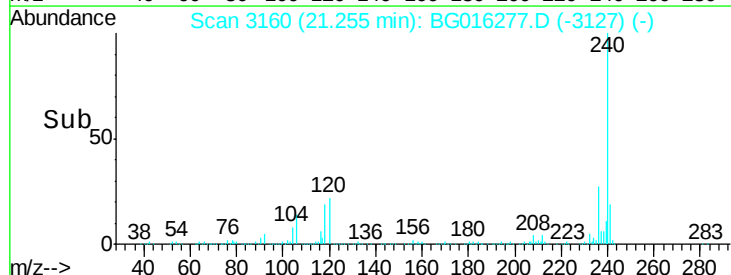
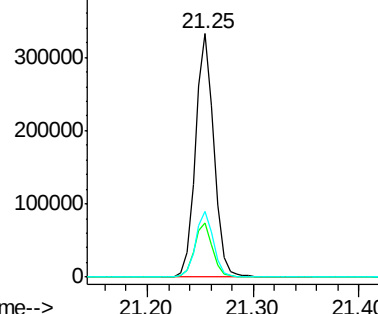


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.25 min Scan# 3160  
Delta R.T. -0.01 min  
Lab File: BG016277.D  
Acq: 8 Apr 2015 13:41

Tgt Ion:240 Resp: 403057  
Ion Ratio Lower Upper  
240 100  
120 22.5 18.6 28.0  
236 26.8 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: 63.49 ng

RT: 19.70 min Scan# 2896

Delta R.T. -0.01 min

Lab File: BG016277.D

Acq: 8 Apr 2015 13:41

Instrument :

BNA\_G

ClientSampled :

PB82610BL

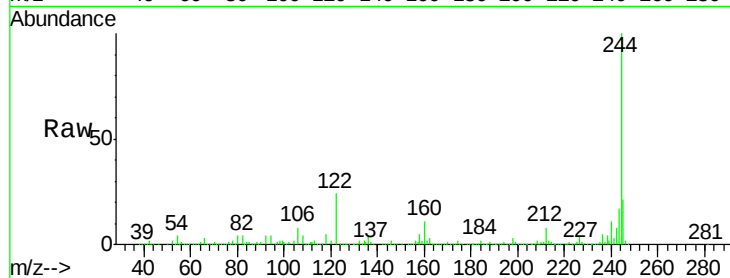
Tot Ion:244 Resp: 1093415

Ion Ratio Lower Upper

244 100

212 8.2 6.6 9.8

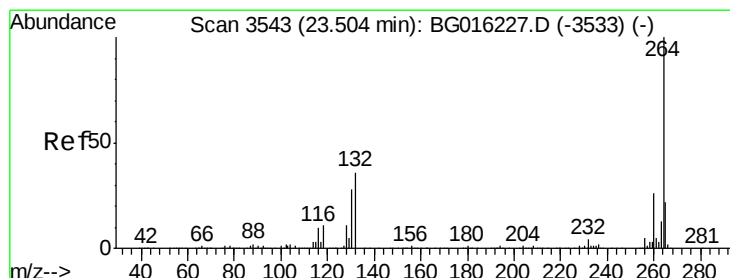
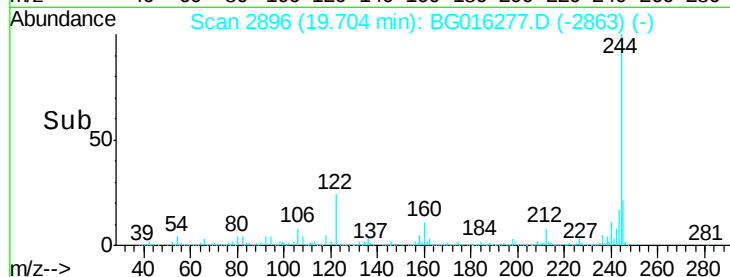
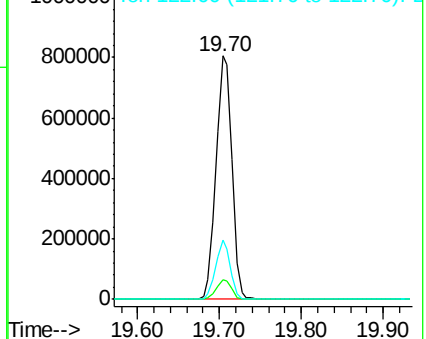
122 24.4 19.1 28.7



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.50 min Scan# 3542

Delta R.T. -0.01 min

Lab File: BG016277.D

Acq: 8 Apr 2015 13:41

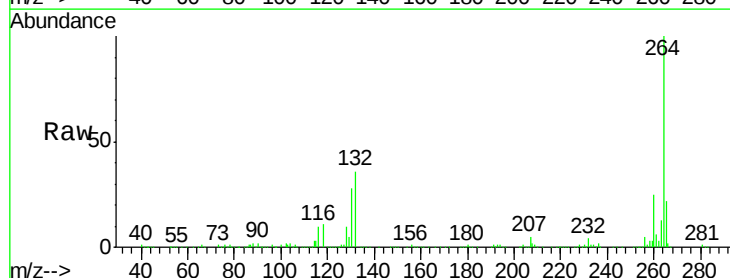
Tgt Ion:264 Resp: 367454

Ion Ratio Lower Upper

264 100

260 25.0 20.4 30.6

265 21.8 17.2 25.8



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

