

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041715\  
 Data File : BG016501.D  
 Acq On : 17 Apr 2015 22:45  
 Operator : TP/IZ  
 Sample : G1880-08  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S5-1-4

Quant Time: Apr 18 00:51:52 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 18 00:32:09 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.66  | 152  | 71840    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.44 | 136  | 309347   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.30 | 164  | 180632   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.04 | 188  | 385823   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 21.23 | 240  | 342856   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 23.45 | 264  | 322855   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.25  | 112  | 376725   | 82.76 | ng    | 0.00     |
| 7) Phenol-d6                | 6.85  | 99   | 556500   | 81.44 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.82  | 82   | 281456   | 52.71 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.80 | 330  | 107778   | 88.23 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.92 | 172  | 641427   | 60.46 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.67 | 244  | 804446   | 54.91 | ng    | 0.00     |

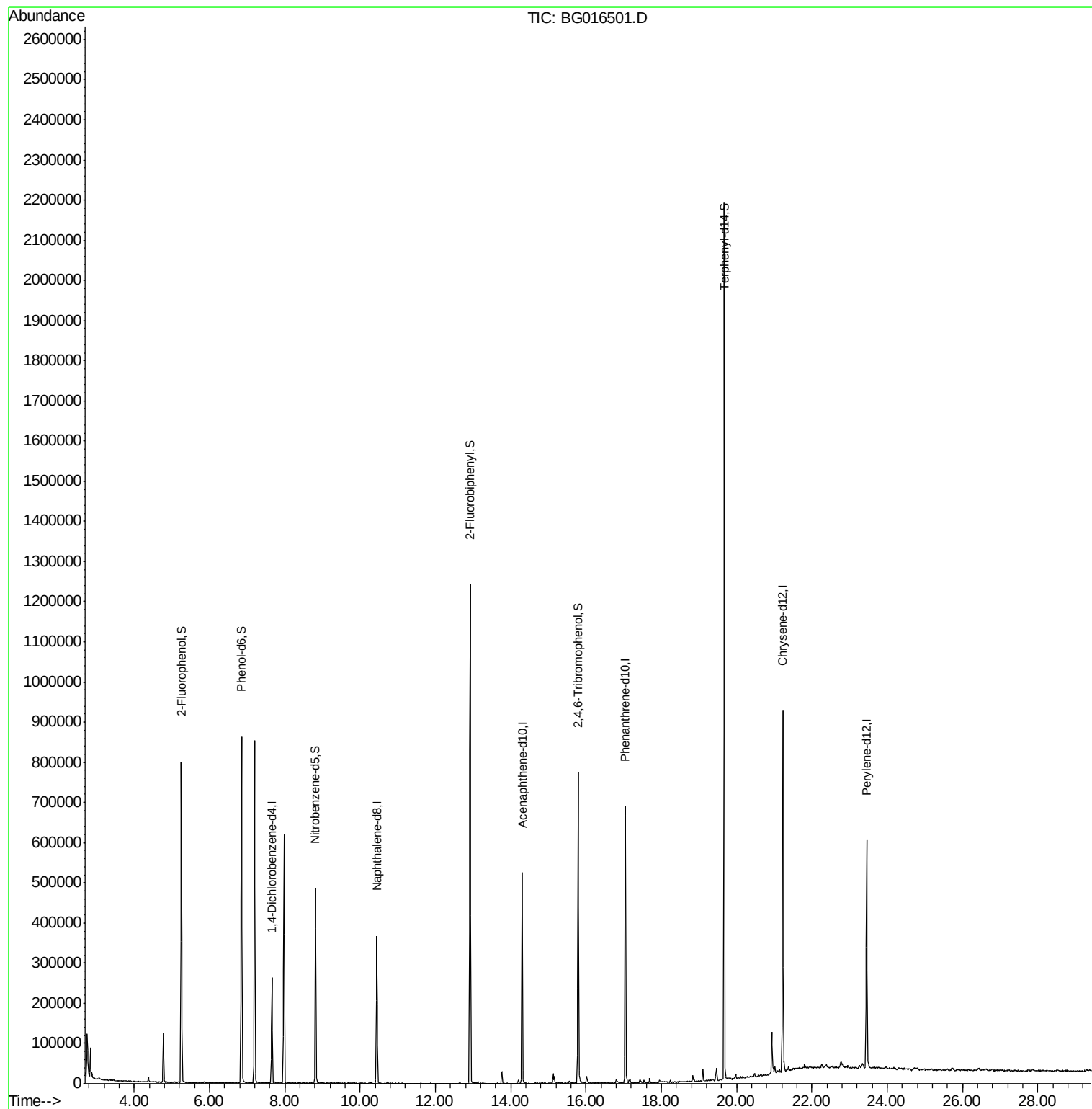
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

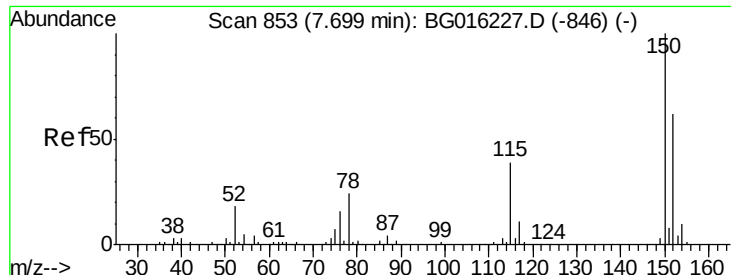
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : G1880-08  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
S5-1-4

Quant Time: Apr 18 00:51:52 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Apr 18 00:32:09 2015  
Response via : Initial Calibration



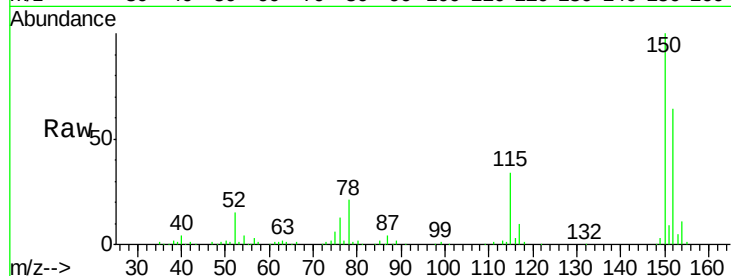


#1

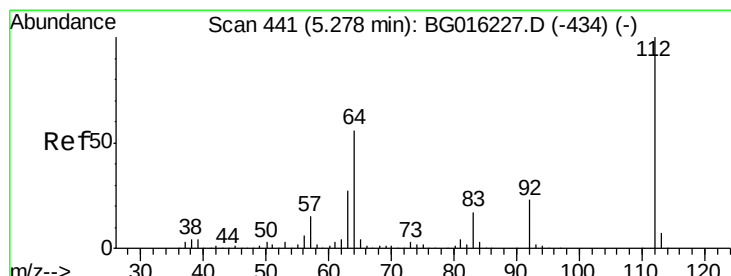
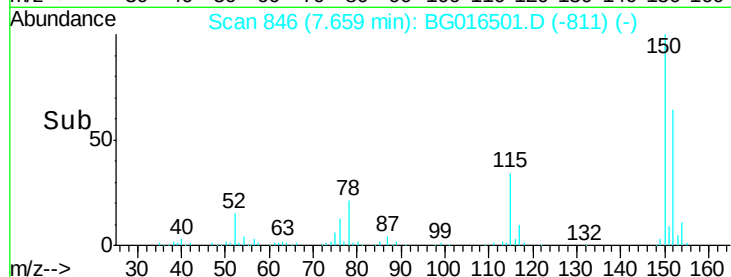
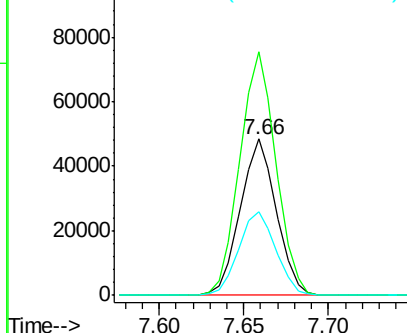
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.66 min Scan# 846  
Delta R.T. 0.01 min  
Lab File: BG016501.D  
Acq: 17 Apr 2015 22:45

Instrument :  
BNA\_G  
ClientSampleId :  
S5-1-4

Tgt Ion:152 Resp: 71840  
Ion Ratio Lower Upper  
152 100  
150 155.7 130.1 195.1  
115 53.2 50.5 75.7



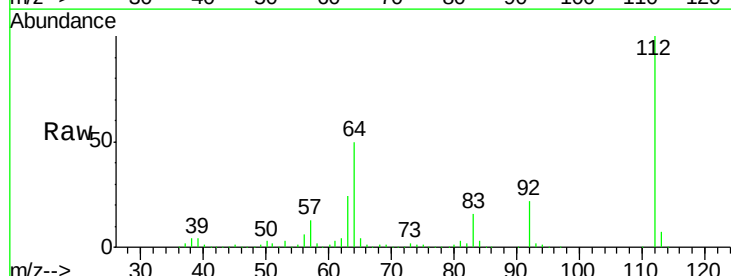
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



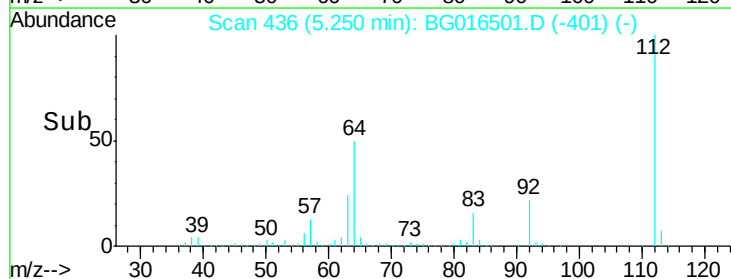
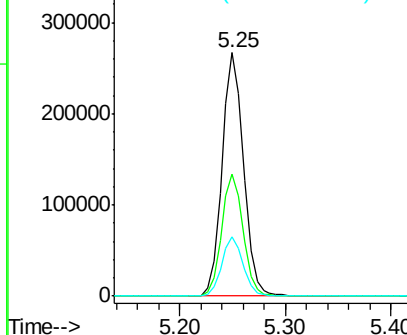
#5

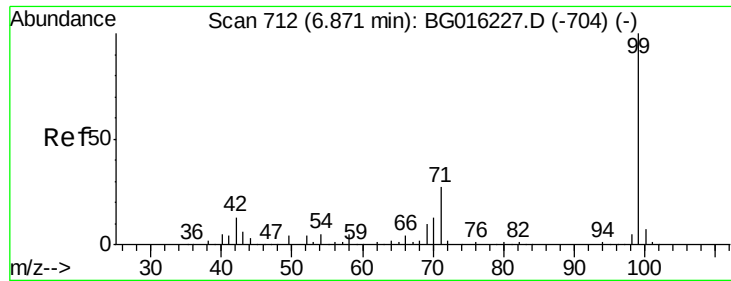
2-Fluorophenol  
Concen: 82.76 ng  
RT: 5.25 min Scan# 436  
Delta R.T. 0.01 min  
Lab File: BG016501.D  
Acq: 17 Apr 2015 22:45

Tgt Ion:112 Resp: 376725  
Ion Ratio Lower Upper  
112 100  
64 50.0 44.5 66.7  
63 24.2 21.4 32.0



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





#7

Phenol-d6

Concen: 81.44 ng

RT: 6.85 min Scan# 708

Delta R.T. 0.01 min

Lab File: BG016501.D

Acq: 17 Apr 2015 22:45

Instrument :

BNA\_G

ClientSampleId :

S5-1-4

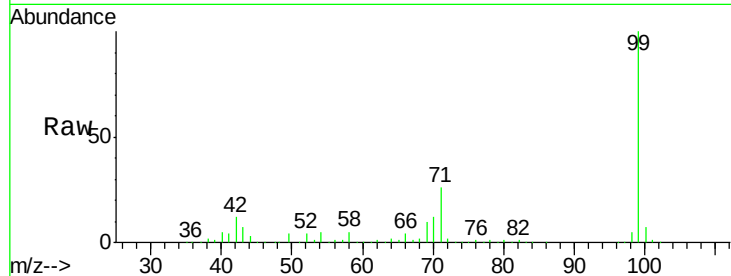
Tgt Ion: 99 Resp: 556500

Ion Ratio Lower Upper

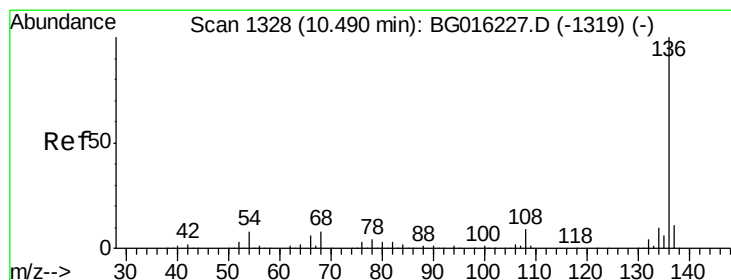
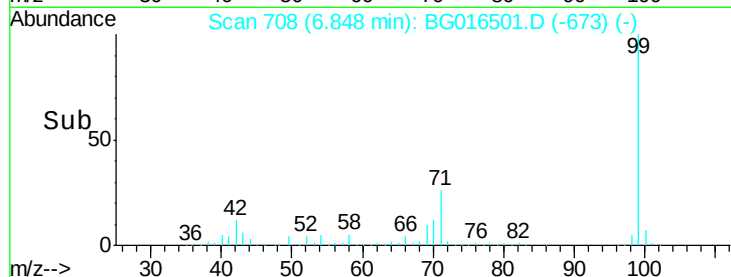
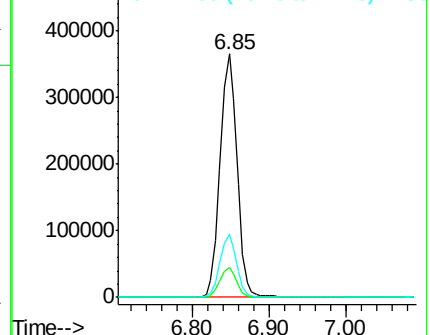
99 100

42 12.4 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# 1320

Delta R.T. -0.00 min

Lab File: BG016501.D

Acq: 17 Apr 2015 22:45

Tgt Ion: 136 Resp: 309347

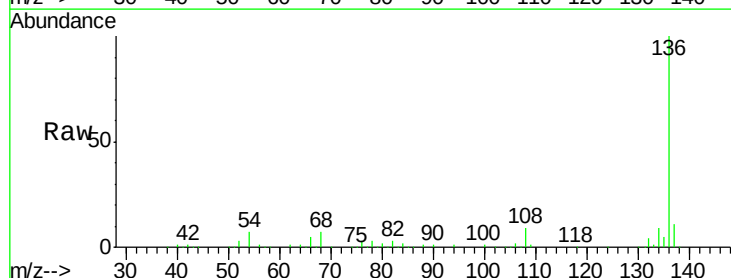
Ion Ratio Lower Upper

136 100

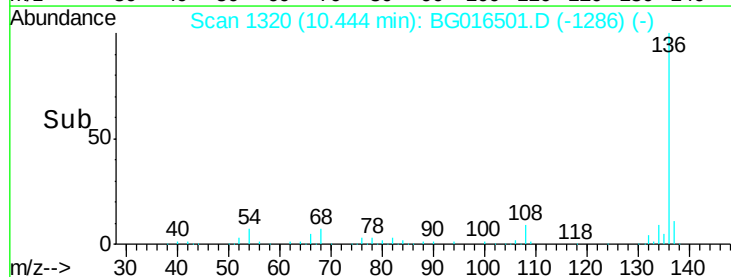
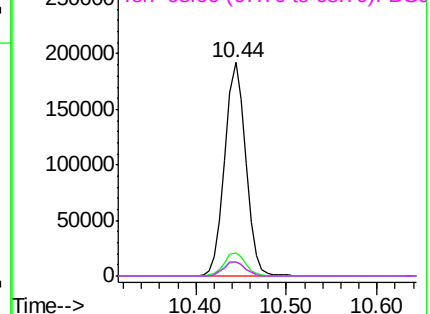
137 10.7 8.7 13.1

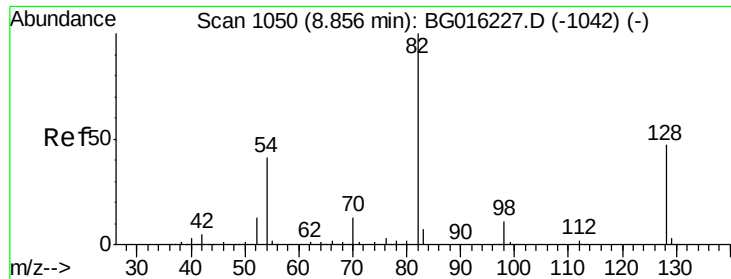
54 6.5 6.3 9.5

68 6.7 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

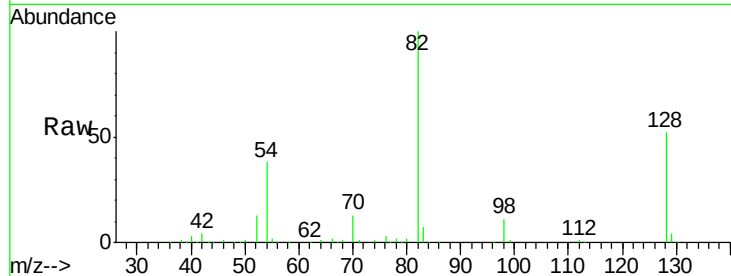




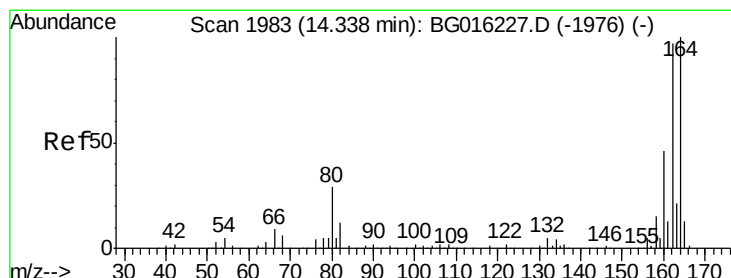
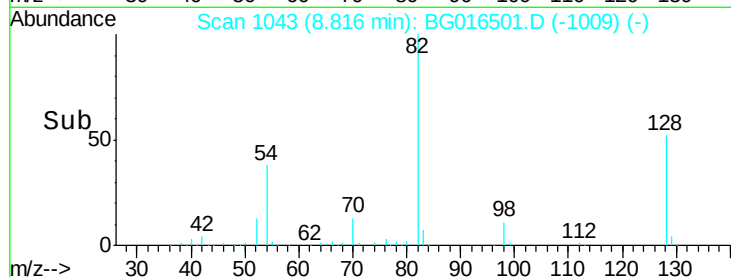
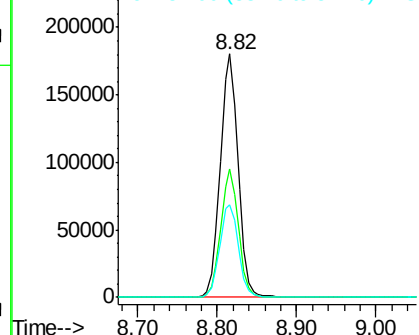
#23  
 Nitrobenzene-d5  
 Concen: 52.71 ng  
 RT: 8.82 min Scan# 1043  
 Delta R.T. -0.00 min  
 Lab File: BG016501.D  
 Acq: 17 Apr 2015 22:45

Instrument :  
 BNA\_G  
 ClientSampled :  
 S5-1-4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 52.5  | 37.8  | 56.8  |
| 54      | 38.3  | 32.6  | 49.0  |

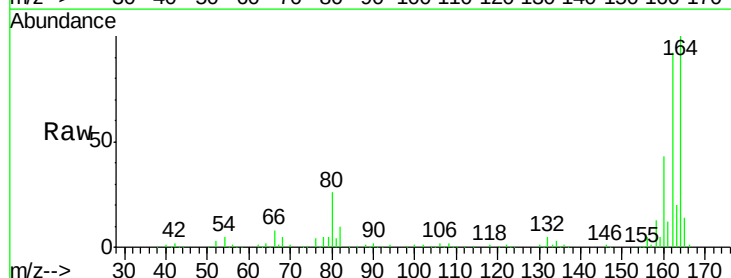


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

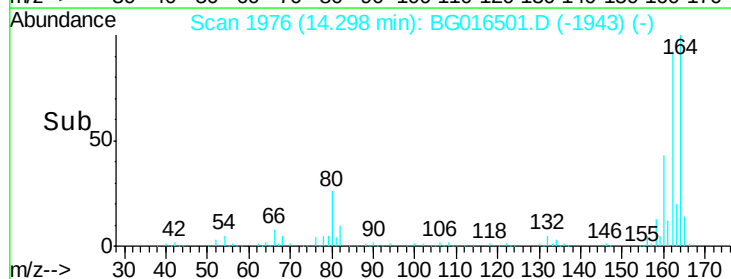
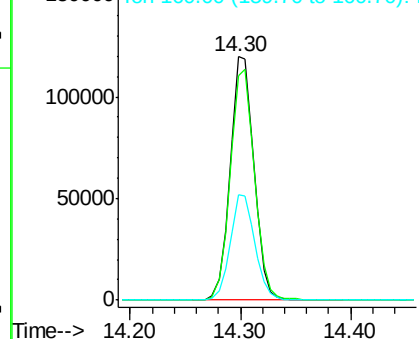


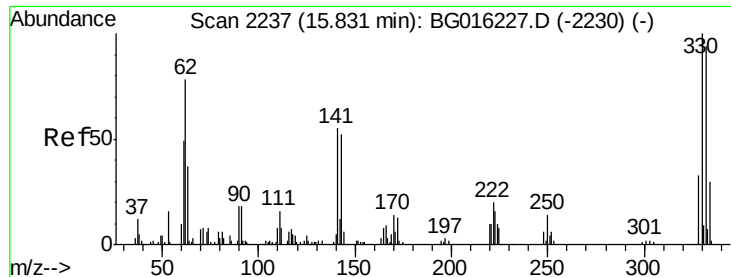
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.30 min Scan# 1976  
 Delta R.T. -0.01 min  
 Lab File: BG016501.D  
 Acq: 17 Apr 2015 22:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 92.4  | 77.3  | 115.9 |
| 160     | 43.1  | 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

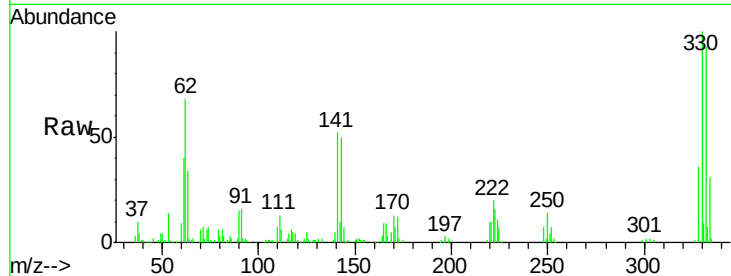




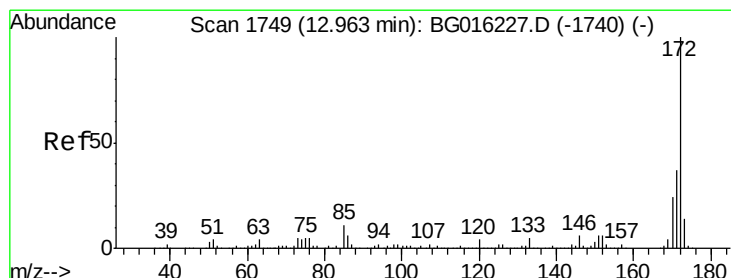
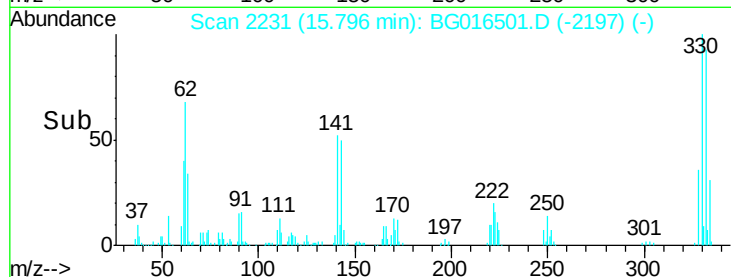
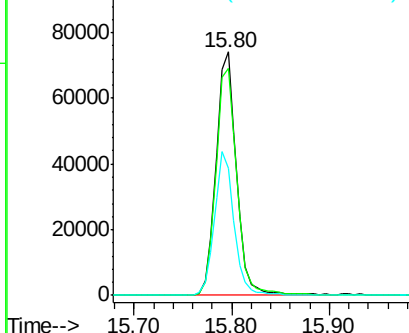
#41  
 2,4,6-Tribromophenol  
 Concen: 88.23 ng  
 RT: 15.80 min Scan# 2231  
 Delta R.T. -0.00 min  
 Lab File: BG016501.D  
 Acq: 17 Apr 2015 22:45

Instrument :  
 BNA\_G  
 ClientSampleID :  
 S5-1-4

Tgt Ion: 330 Resp: 107778  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 75.8 113.6  
 141 56.1 46.6 69.8

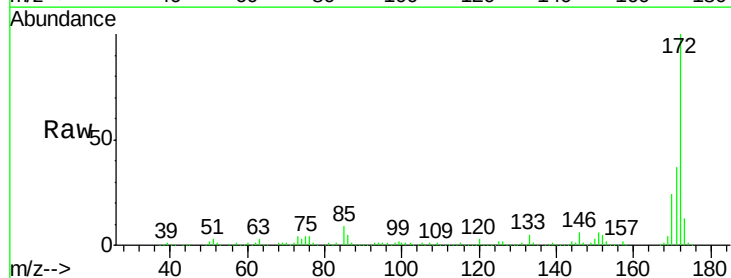


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

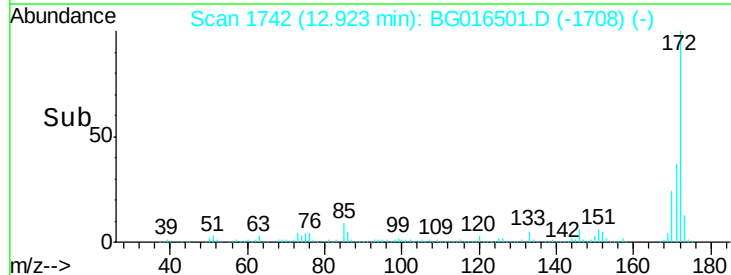
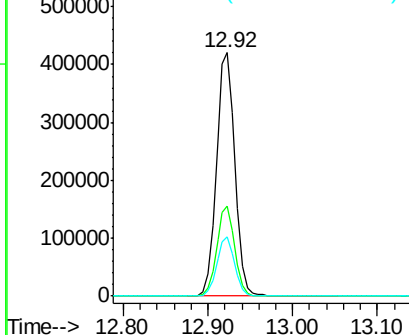


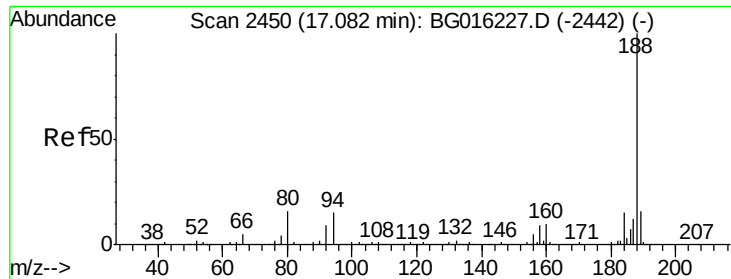
#44  
 2-Fluorobiphenyl  
 Concen: 60.46 ng  
 RT: 12.92 min Scan# 1742  
 Delta R.T. -0.00 min  
 Lab File: BG016501.D  
 Acq: 17 Apr 2015 22:45

Tgt Ion: 172 Resp: 641427  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 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

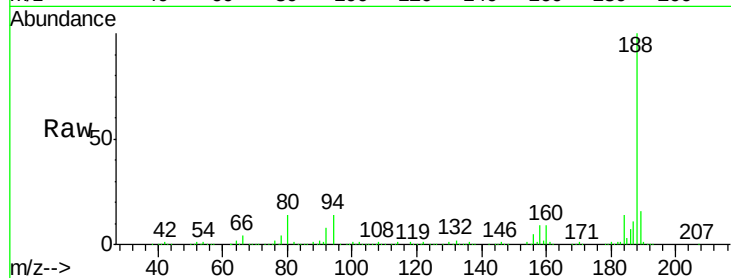




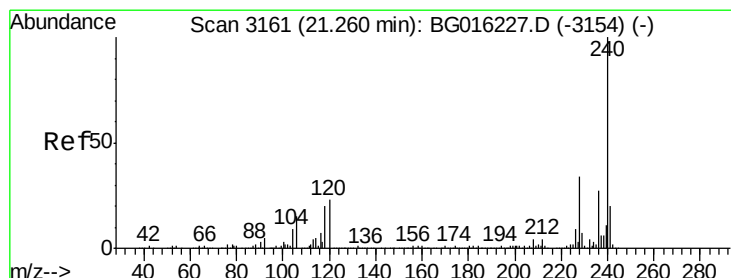
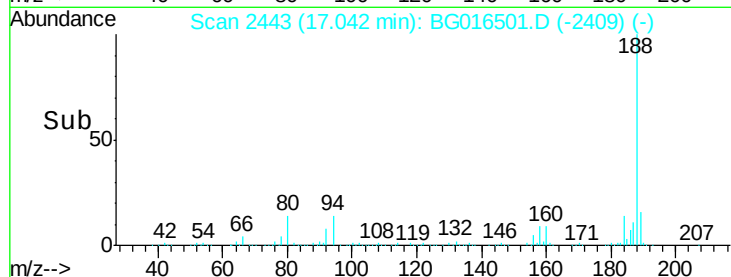
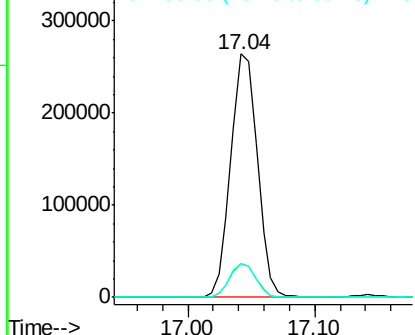
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.04 min Scan# 2443  
Delta R.T. -0.00 min  
Lab File: BG016501.D  
Acq: 17 Apr 2015 22:45

Instrument :  
BNA\_G  
ClientSampleId :  
S5-1-4

Tgt Ion:188 Resp: 385823  
Ion Ratio Lower Upper  
188 100  
94 13.8 12.2 18.4  
80 14.0 12.8 19.2

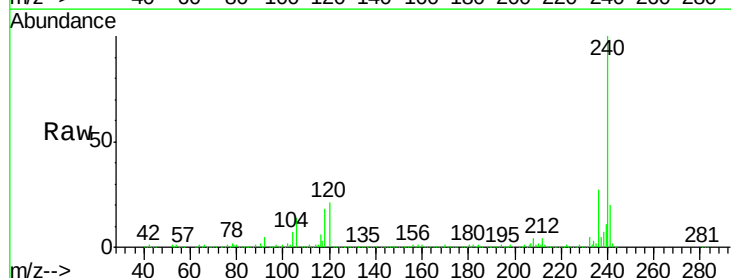


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

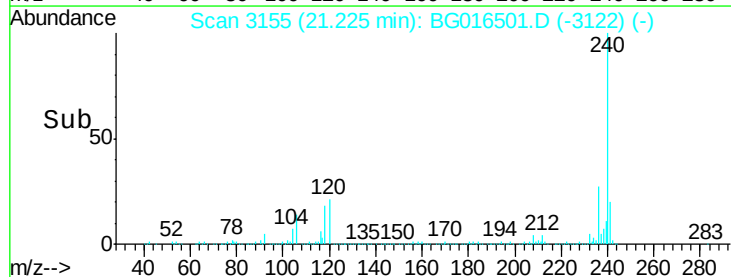
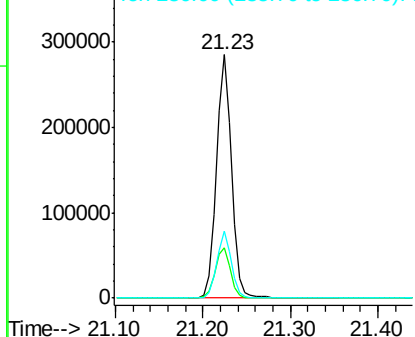


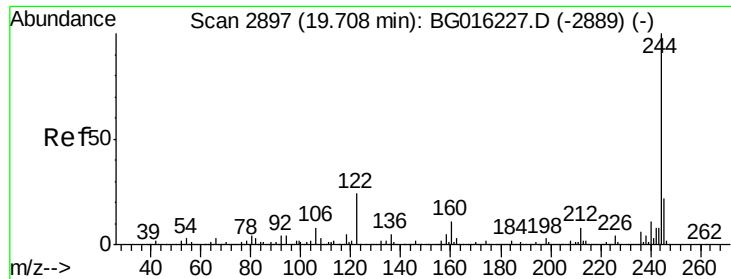
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.23 min Scan# 3155  
Delta R.T. -0.01 min  
Lab File: BG016501.D  
Acq: 17 Apr 2015 22:45

Tgt Ion:240 Resp: 342856  
Ion Ratio Lower Upper  
240 100  
120 20.7 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: 54.91 ng

RT: 19.67 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG016501.D

Acq: 17 Apr 2015 22:45

Instrument :

BNA\_G

ClientSampleId :

S5-1-4

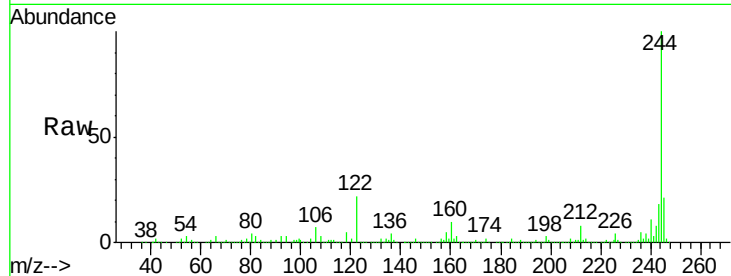
Tgt Ion:244 Resp: 804446

Ion Ratio Lower Upper

244 100

212 8.1 6.6 9.8

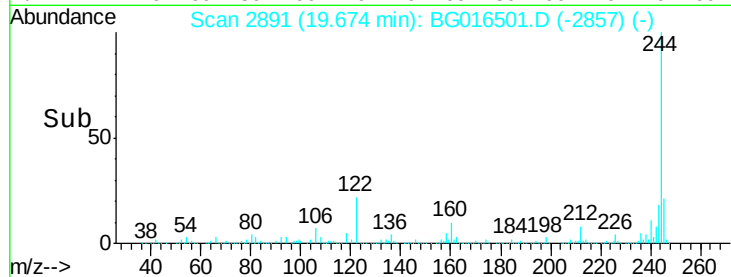
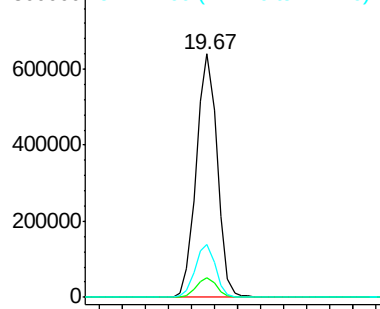
122 21.7 19.1 28.7



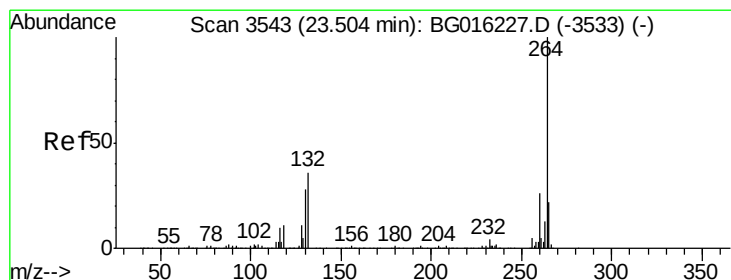
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: BG016501.D

Acq: 17 Apr 2015 22:45

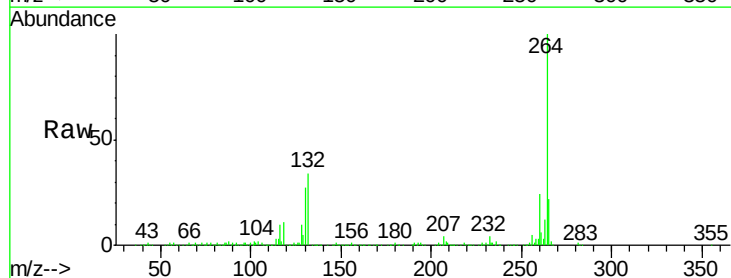
Tgt Ion:264 Resp: 322855

Ion Ratio Lower Upper

264 100

260 24.3 20.4 30.6

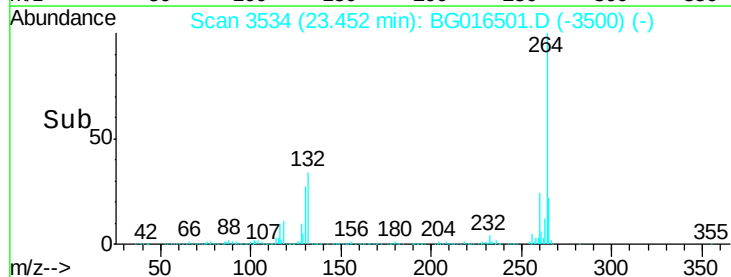
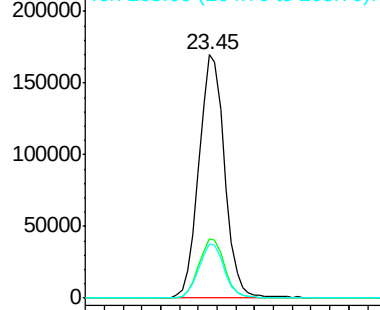
265 22.0 17.2 25.8



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



Time-->