

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\  
 Data File : BG033954.D  
 Acq On : 24 Apr 2018 14:59  
 Operator : SJ/JU  
 Sample : J2503-06  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RBR-47184RT

Quant Time: Apr 25 00:14:45 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 13:56:22 2018  
 Response via : Initial Calibration

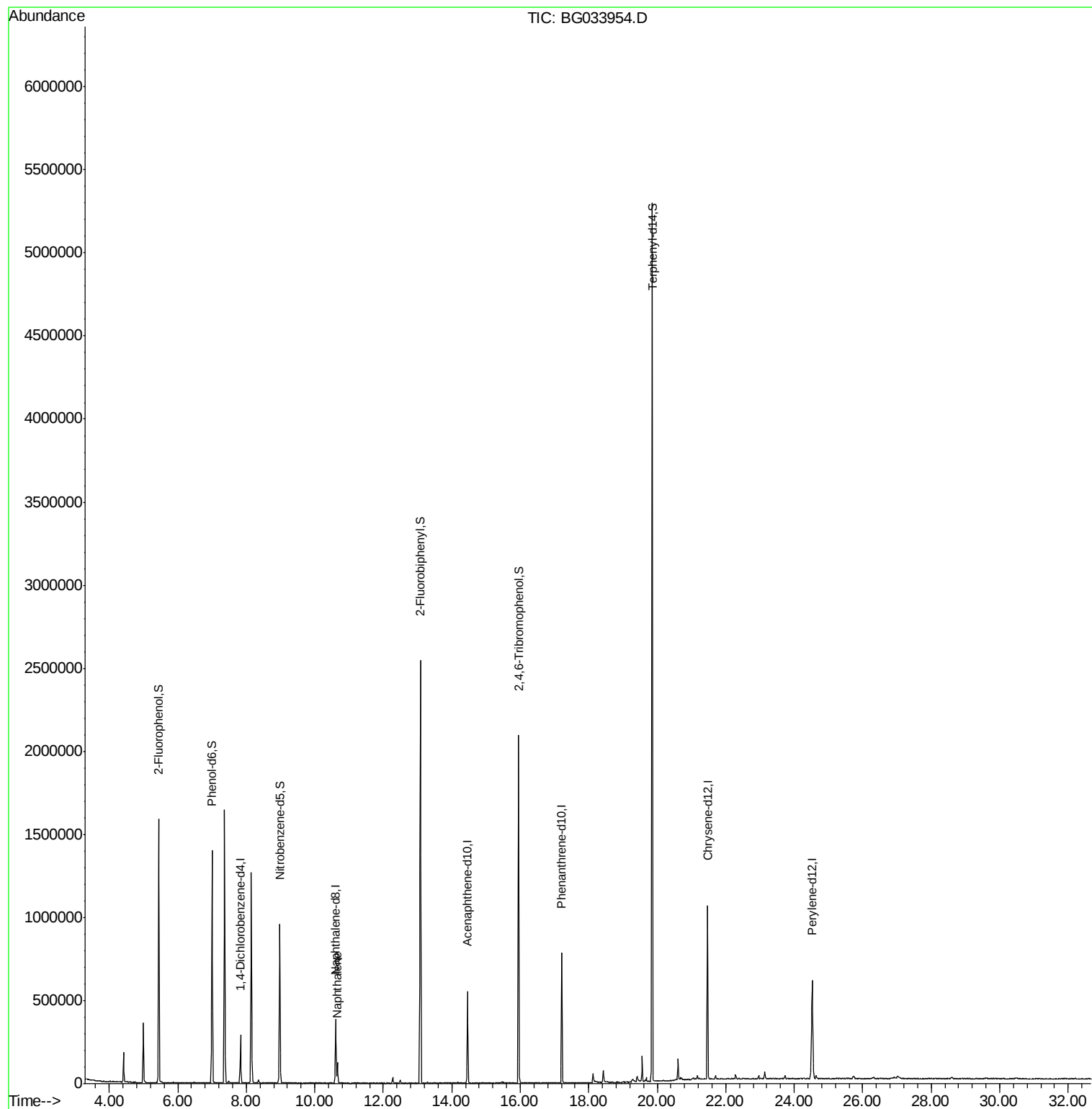
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.83  | 152  | 81165    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.61 | 136  | 326045   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10        | 14.46 | 164  | 194923   | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10        | 17.21 | 188  | 495729   | 20.00  | ng    | -0.02     |
| 75) Chrysene-d12            | 21.47 | 240  | 598018   | 20.00  | ng    | -0.02     |
| 86) Perylene-d12            | 24.52 | 264  | 609368   | 20.00  | ng    | -0.04     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.44  | 112  | 651396   | 128.13 | ng    | 0.00      |
| 7) Phenol-d6                | 7.00  | 99   | 764084   | 103.04 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 8.98  | 82   | 581421   | 101.48 | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 15.95 | 330  | 383488   | 168.63 | ng    | -0.02     |
| 44) 2-Fluorobiphenyl        | 13.08 | 172  | 1321914  | 99.63  | ng    | -0.02     |
| 78) Terphenyl-d14           | 19.85 | 244  | 2339523  | 87.89  | ng    | -0.01     |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 10.66 | 128  | 101363   | 6.046  | ng    | Qvalue 98 |

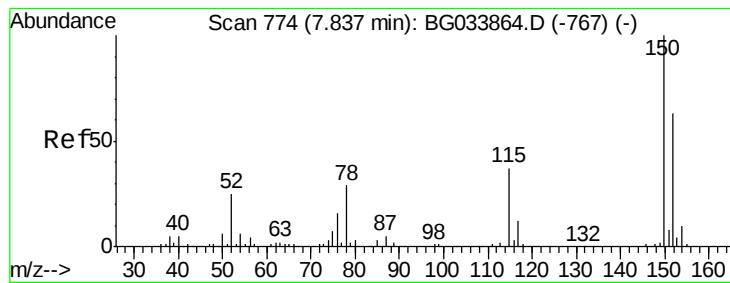
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\  
Data File : BG033954.D  
Acq On : 24 Apr 2018 14:59  
Operator : SJ/JU  
Sample : J2503-06  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
RBR-47184RT

Quant Time: Apr 25 00:14:45 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 19 13:56:22 2018  
Response via : Initial Calibration



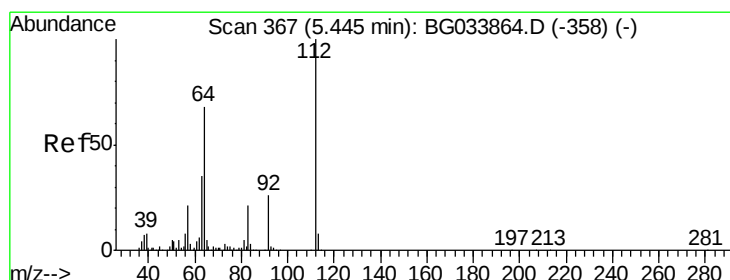
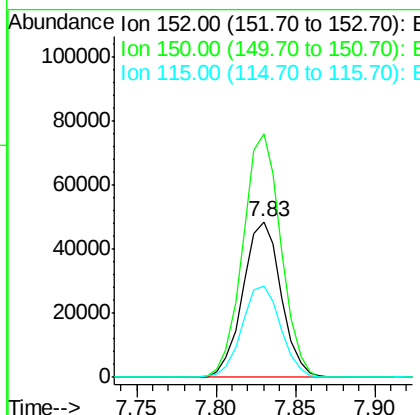
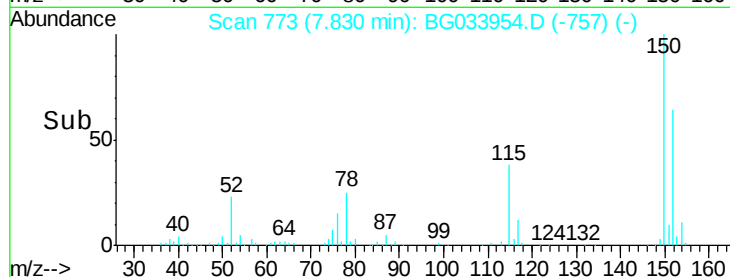
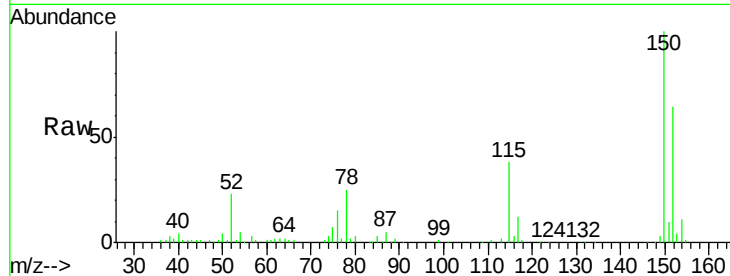


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.83 min Scan# 773  
Delta R.T. -0.01 min  
Lab File: BG033954.D  
Acq: 24 Apr 2018 14:59

Instrument :  
BNA\_G  
ClientSampleId :  
RBR-47184RT

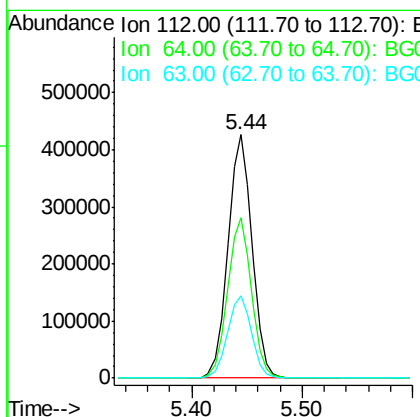
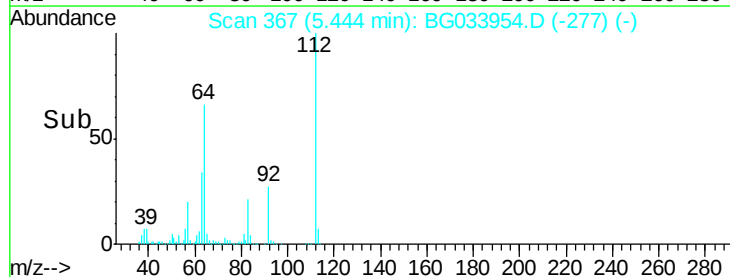
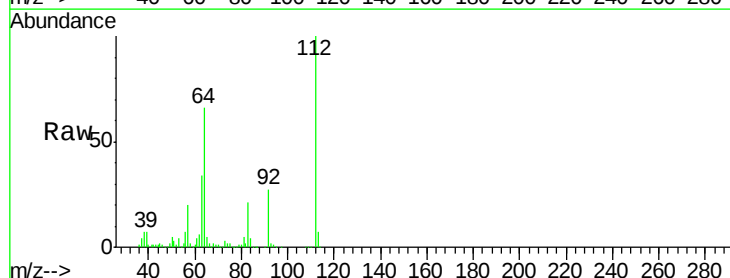
Tot Ion:152 Resp: 81165  
Ion Ratio Lower Upper  
152 100  
150 156.7 126.6 189.8  
115 59.0 53.0 79.4

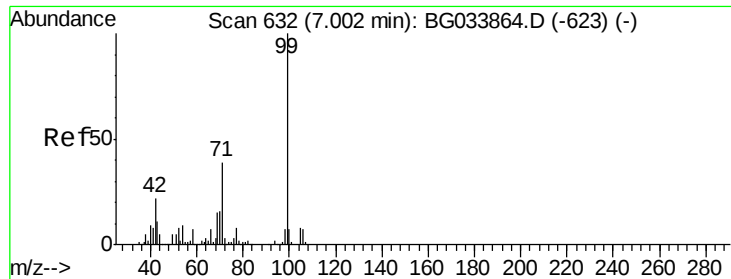


#5

2-Fluorophenol  
Concen: 128.131 ng  
RT: 5.44 min Scan# 367  
Delta R.T. -0.00 min  
Lab File: BG033954.D  
Acq: 24 Apr 2018 14:59

Tgt Ion:112 Resp: 651396  
Ion Ratio Lower Upper  
112 100  
64 65.9 56.3 84.5  
63 33.8 30.1 45.1





#7

Phenol-d6

Concen: 103.045 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033954.D

Acq: 24 Apr 2018 14:59

Instrument :

BNA\_G

ClientSampleId :

RBR-47184RT

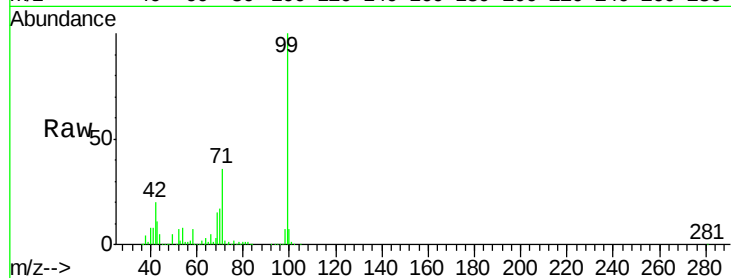
Tot Ion: 99 Resp: 764084

Ion Ratio Lower Upper

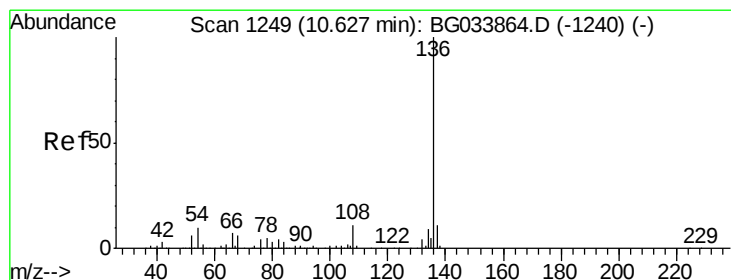
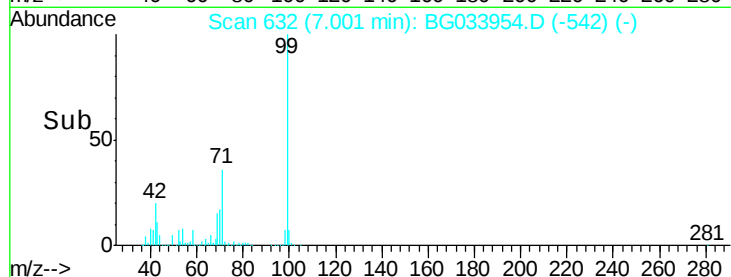
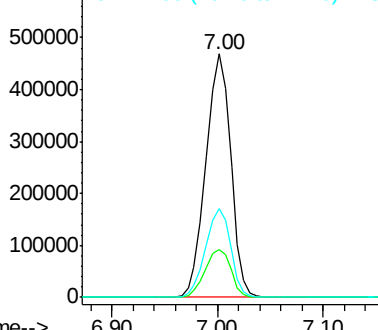
99 100

42 19.9 14.1 21.1

71 36.4 26.1 39.1



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: 20.000 ng

RT: 10.61 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BG033954.D

Acq: 24 Apr 2018 14:59

Tgt Ion: 136 Resp: 326045

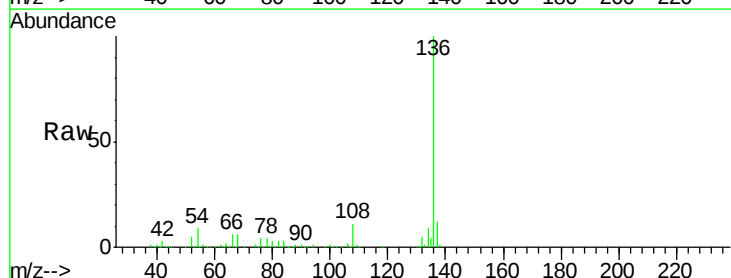
Ion Ratio Lower Upper

136 100

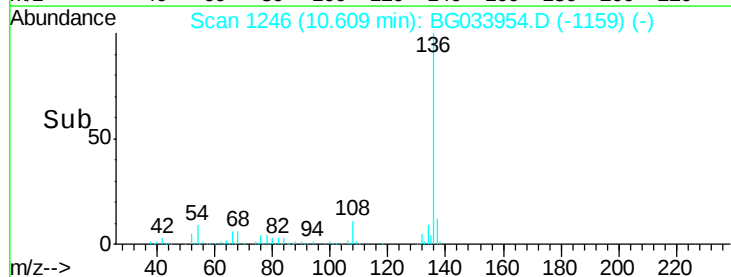
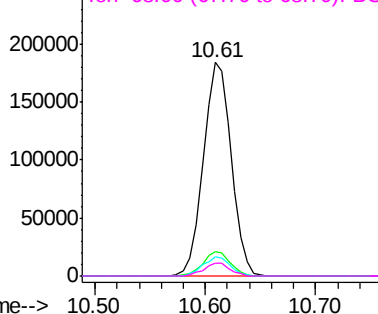
137 11.6 9.2 13.8

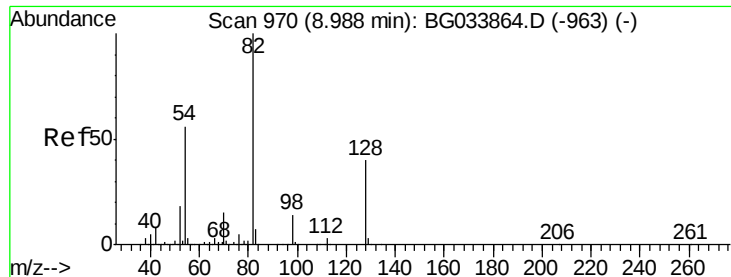
54 9.2 10.3 15.5#

68 5.7 4.5 6.7



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: 101.484 ng

RT: 8.98 min Scan# 968

Delta R.T. -0.01 min

Lab File: BG033954.D

Acq: 24 Apr 2018 14:59

Instrument :

BNA\_G

ClientSampleId :

RBR-47184RT

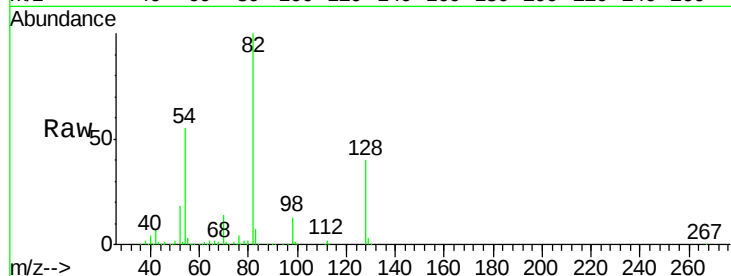
Tot Ion: 82 Resp: 581421

Ion Ratio Lower Upper

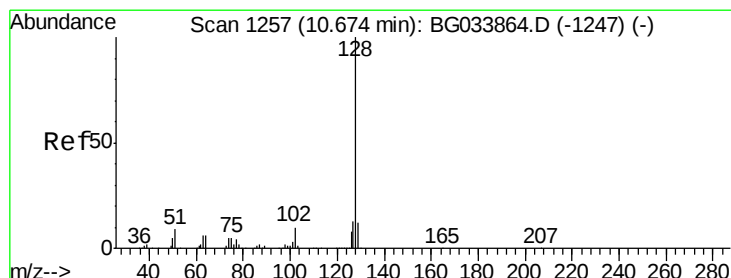
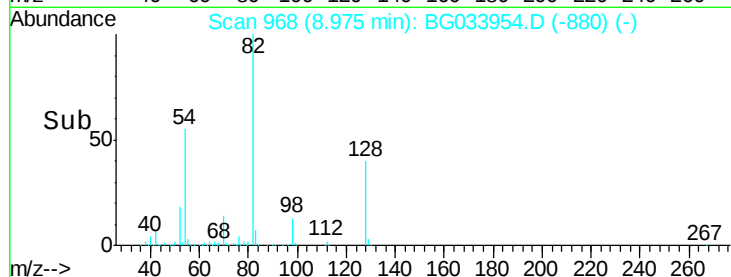
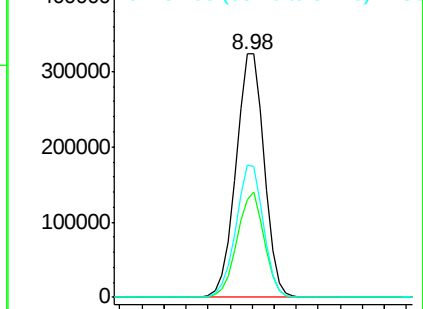
82 100

128 40.2 29.7 44.5

54 54.5 43.1 64.7



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



#31

Naphthalene

Concen: 6.046 ng

RT: 10.66 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BG033954.D

Acq: 24 Apr 2018 14:59

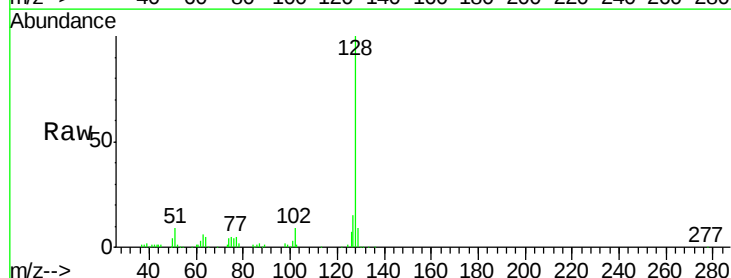
Tgt Ion: 128 Resp: 101363

Ion Ratio Lower Upper

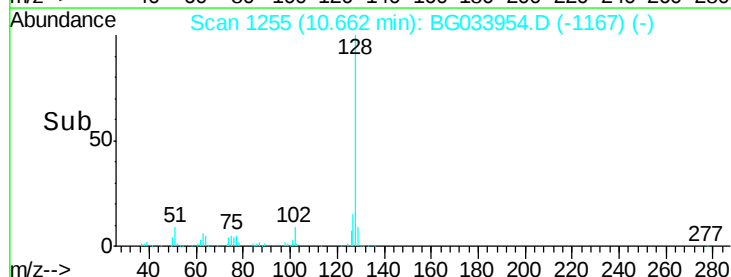
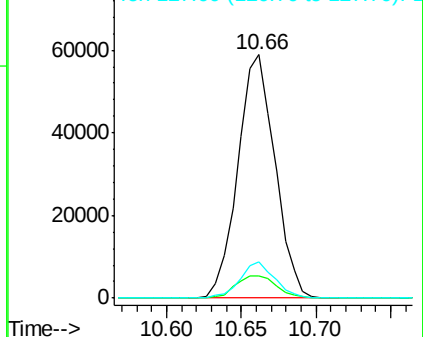
128 100

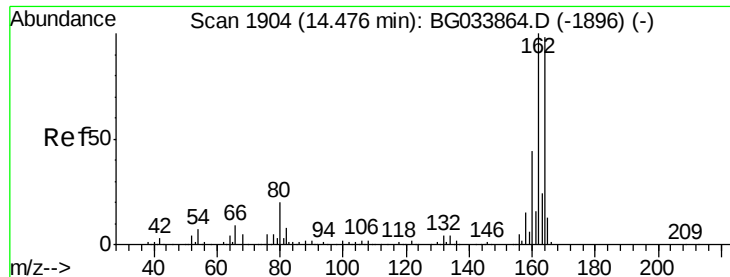
129 9.3 8.6 12.8

127 14.8 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC  
Ion 129.00 (128.70 to 129.70): BGC  
Ion 127.00 (126.70 to 127.70): BGC

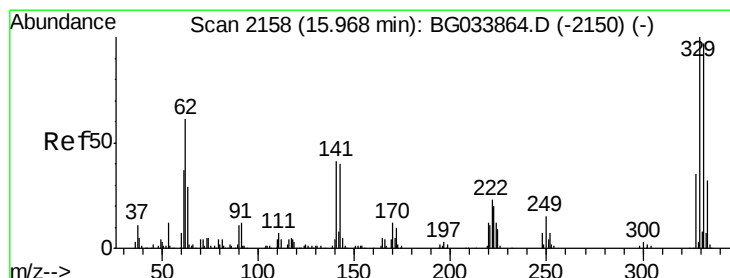
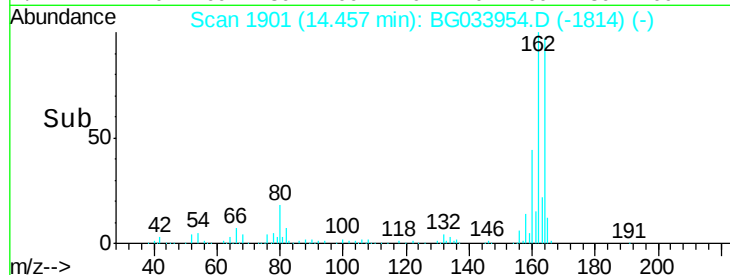
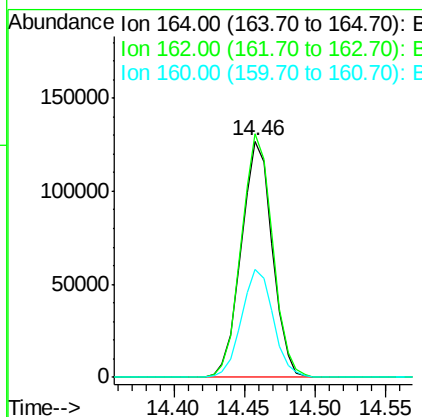
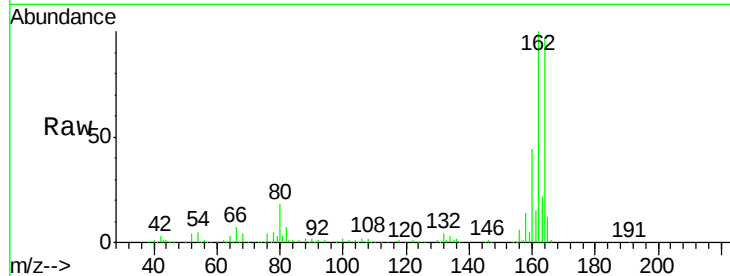




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.46 min Scan# 1901  
 Delta R.T. -0.02 min  
 Lab File: BG033954.D  
 Acq: 24 Apr 2018 14:59

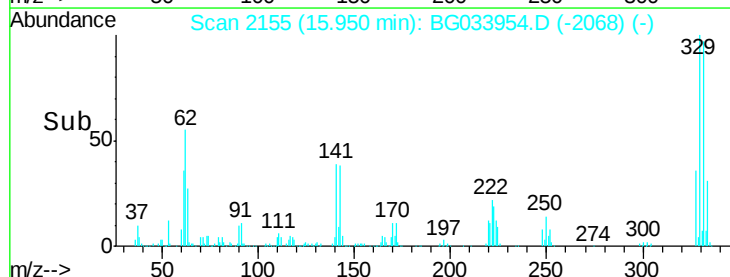
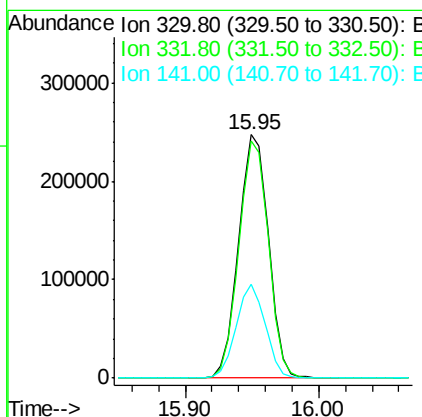
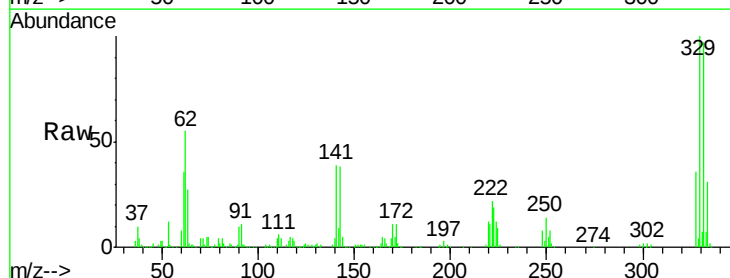
Instrument :  
 BNA\_G  
 ClientSampleId :  
 RBR-47184RT

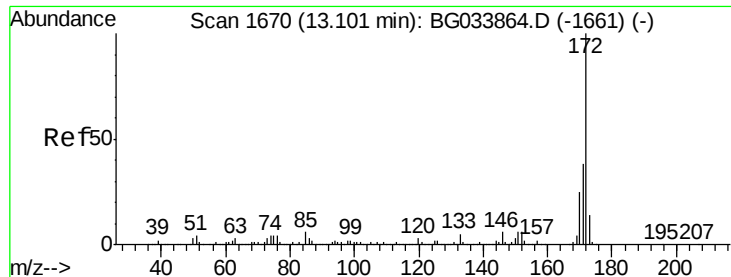
Tot Ion:164 Resp: 194923  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 78.8 118.2  
 160 45.6 35.4 53.0



#41  
 2,4,6-Tribromophenol  
 Concen: 168.634 ng  
 RT: 15.95 min Scan# 2155  
 Delta R.T. -0.02 min  
 Lab File: BG033954.D  
 Acq: 24 Apr 2018 14:59

Tgt Ion:330 Resp: 383488  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 77.0 115.6  
 141 37.7 25.2 37.8

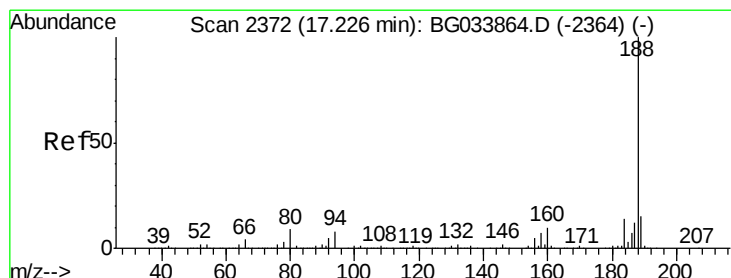
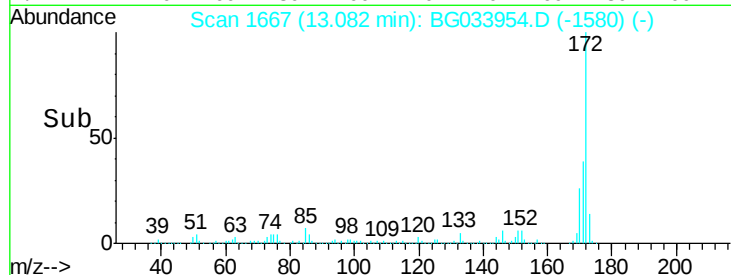
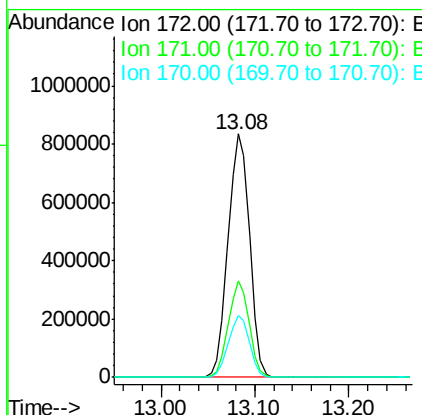
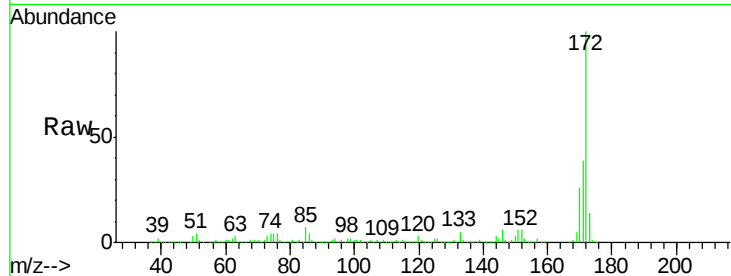




#44  
 2-Fluorobiphenyl  
 Concen: 99.625 ng  
 RT: 13.08 min Scan# 1667  
 Delta R.T. -0.02 min  
 Lab File: BG033954.D  
 Acq: 24 Apr 2018 14:59

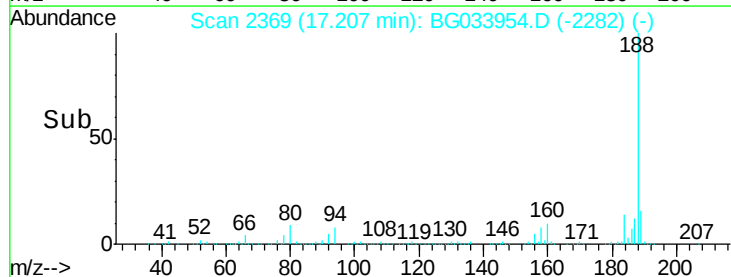
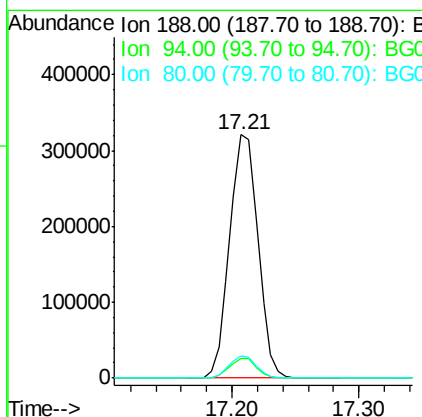
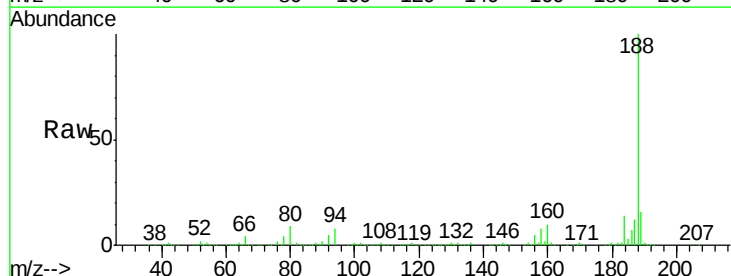
Instrument :  
 BNA\_G  
 ClientSampleId :  
 RBR-47184RT

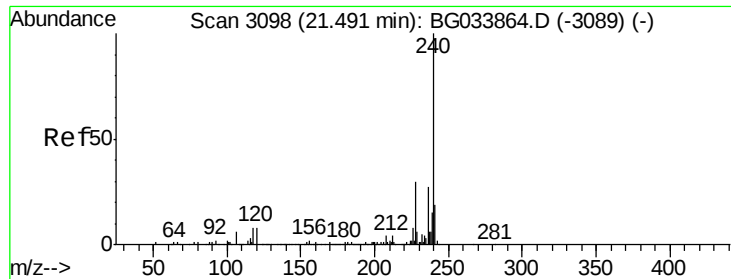
Tot Ion:172 Resp: 1321914  
 Ion Ratio Lower Upper  
 172 100  
 171 39.4 30.0 45.0  
 170 25.6 19.5 29.3



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.21 min Scan# 2369  
 Delta R.T. -0.02 min  
 Lab File: BG033954.D  
 Acq: 24 Apr 2018 14:59

Tgt Ion:188 Resp: 495729  
 Ion Ratio Lower Upper  
 188 100  
 94 8.1 6.9 10.3  
 80 9.1 7.7 11.5

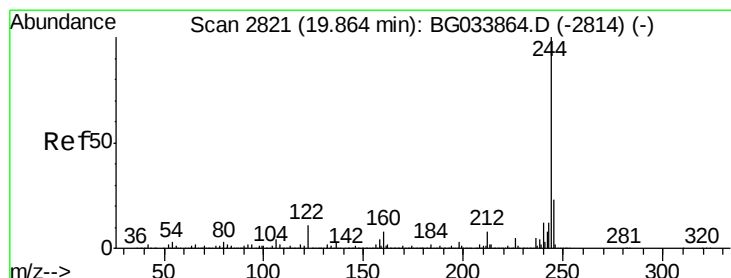
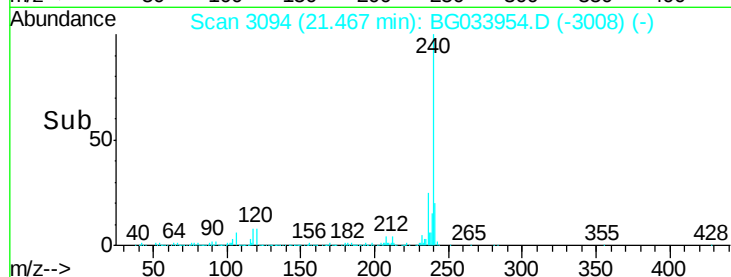
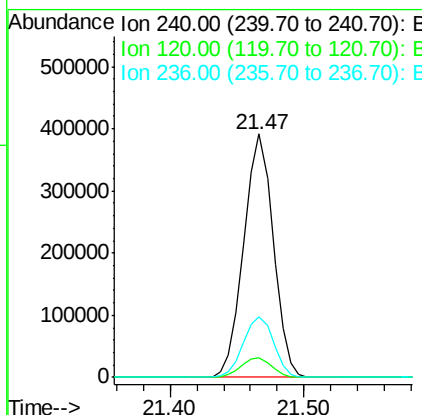
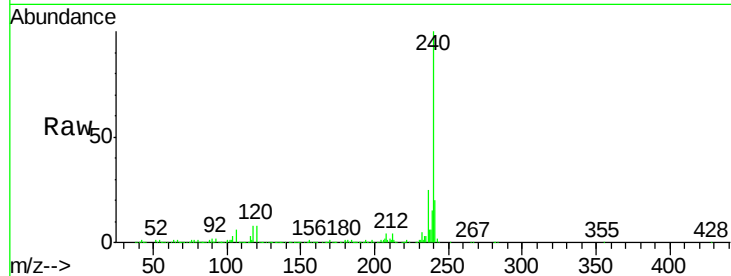




#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.47 min Scan# 3094  
Delta R.T. -0.02 min  
Lab File: BG033954.D  
Acq: 24 Apr 2018 14:59

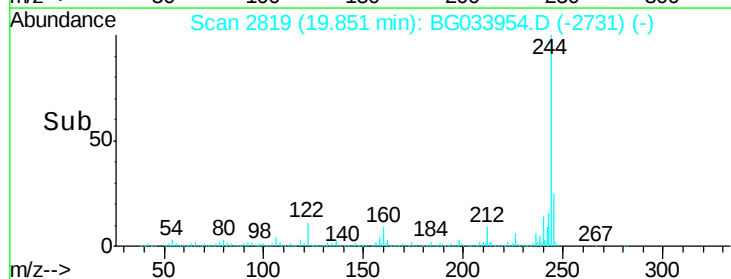
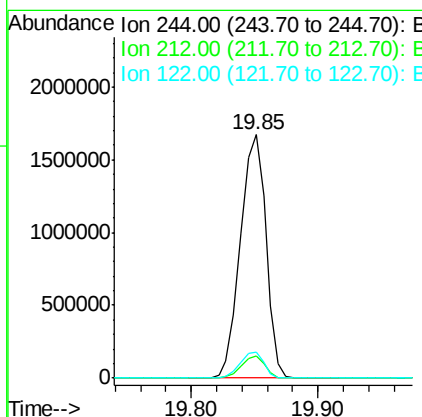
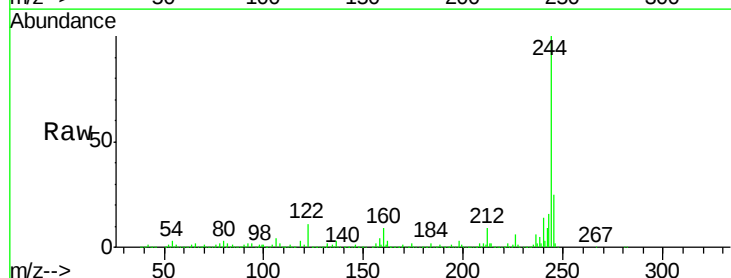
Instrument :  
BNA\_G  
ClientSampleId :  
RBR-47184RT

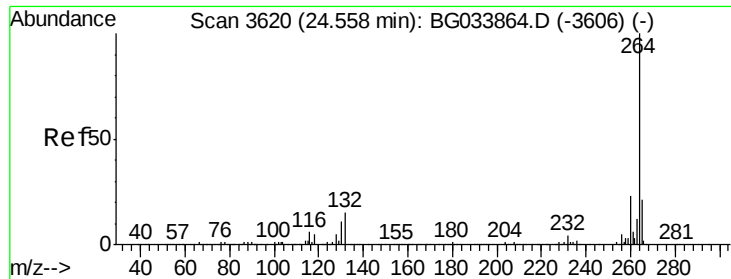
Tot Ion:240 Resp: 598018  
Ion Ratio Lower Upper  
240 100  
120 8.1 6.8 10.2  
236 24.9 20.9 31.3



#78  
Terphenyl-d14  
Concen: 87.890 ng  
RT: 19.85 min Scan# 2819  
Delta R.T. -0.01 min  
Lab File: BG033954.D  
Acq: 24 Apr 2018 14:59

Tgt Ion:244 Resp: 2339523  
Ion Ratio Lower Upper  
244 100  
212 9.4 5.8 8.8#  
122 10.9 7.0 10.4#





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.52 min Scan# 3614  
Delta R.T. -0.04 min  
Lab File: BG033954.D  
Acq: 24 Apr 2018 14:59

Instrument :  
BNA\_G  
ClientSampleId :  
RBR-47184RT

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 17.4  | 26.0  |
| 265     | 22.1  | 17.7  | 26.5  |

