

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041318\  
 Data File : BG033807.D  
 Acq On : 13 Apr 2018 21:54  
 Operator : SJ/JU  
 Sample : J2348-04  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 132

Quant Time: Apr 14 02:10:52 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 10 16:51:36 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.85  | 152  | 23554    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.73 | 136  | 109931   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.47 | 164  | 87811    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.20 | 188  | 256654   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.55 | 240  | 290922   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.30 | 264  | 309015   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.29  | 112  | 222557   | 177.18 | ng    | 0.00     |
| 7) Phenol-d6                | 7.98  | 99   | 282405   | 130.85 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 10.06 | 82   | 235580   | 98.46  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.95 | 330  | 223748   | 170.37 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.09 | 172  | 636142   | 104.58 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.72 | 244  | 1496303  | 110.00 | ng    | 0.00     |

Target Compounds Qvalue

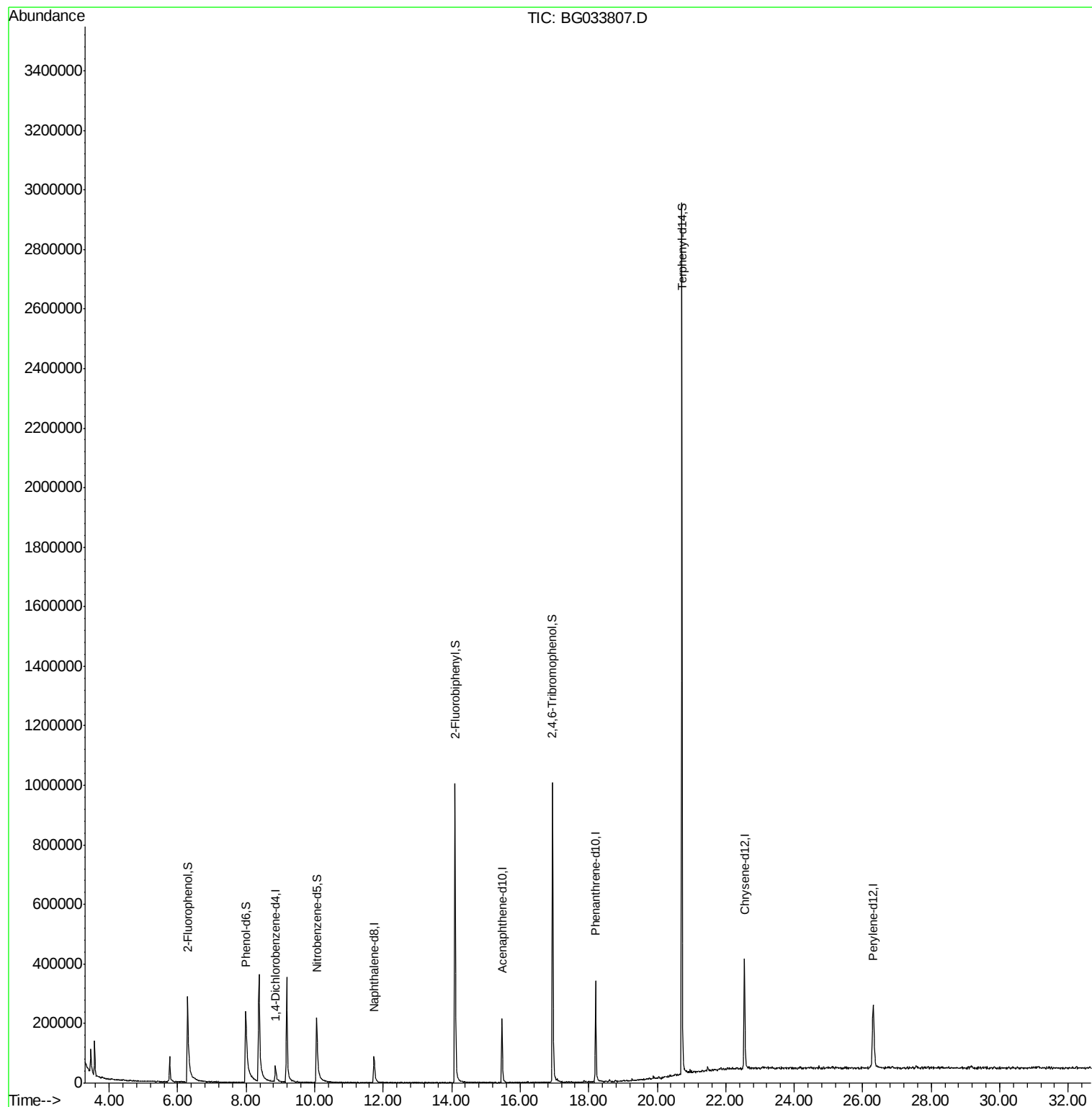
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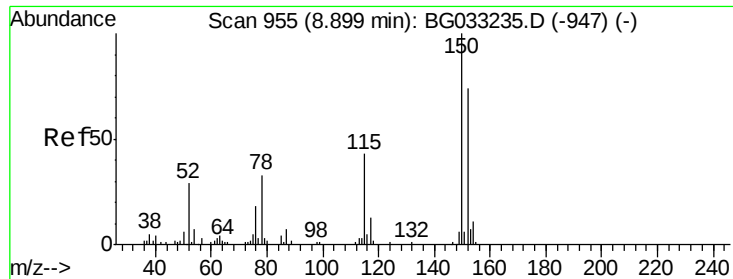
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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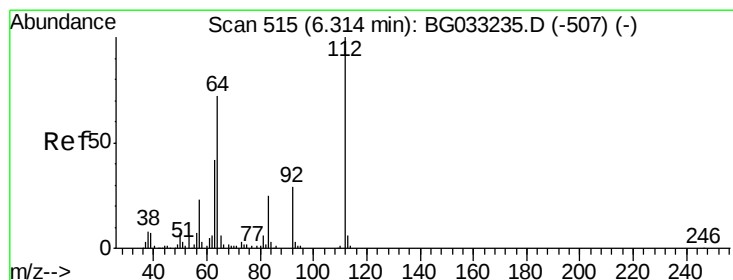
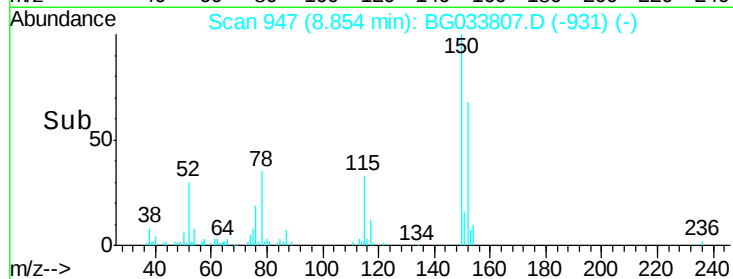
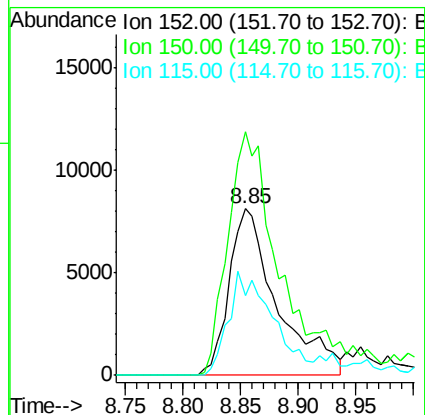
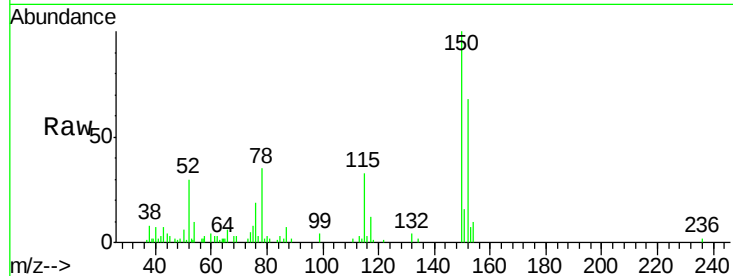


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.85 min Scan# 947  
Delta R.T. -0.00 min  
Lab File: BG033807.D  
Acq: 13 Apr 2018 21:54

Instrument :  
BNA\_G  
ClientSampleId :  
132

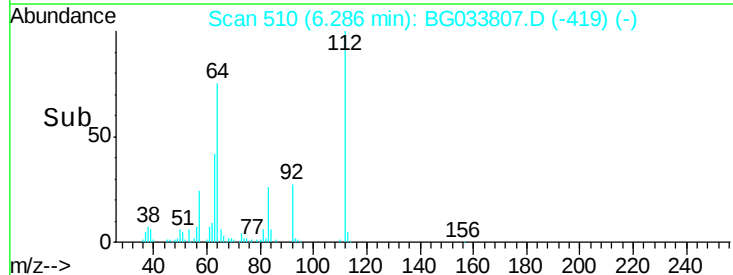
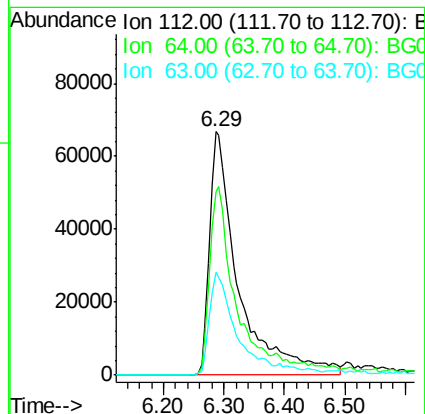
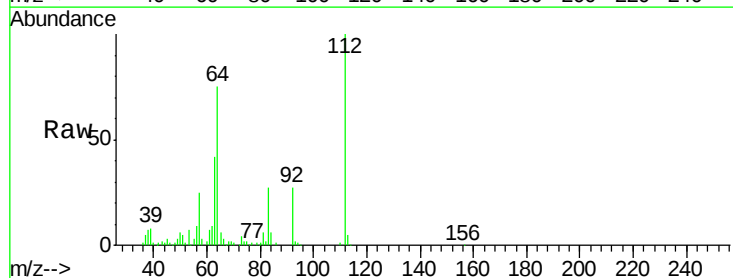
| Tot Ion   | 152   | Resp  | 23554 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 146.3 | 126.6 | 189.8 |
| 115       | 47.6  | 53.0  | 79.4  |

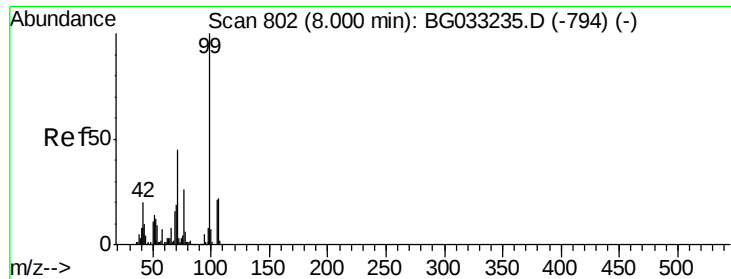


#5

2-Fluorophenol  
Concen: 177.176 ng  
RT: 6.29 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: BG033807.D  
Acq: 13 Apr 2018 21:54

| Tgt Ion   | 112   | Resp  | 222557 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 75.3  | 56.3  | 84.5   |
| 63        | 42.2  | 30.1  | 45.1   |





#7

Phenol-d6

Concen: 130.846 ng

RT: 7.98 min Scan# 799

Delta R.T. 0.01 min

Lab File: BG033807.D

Acq: 13 Apr 2018 21:54

Instrument :

BNA\_G

ClientSampleId :

132

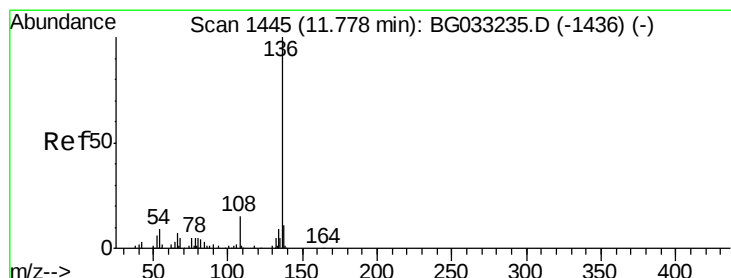
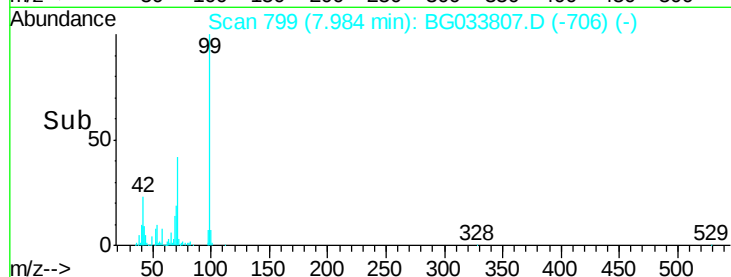
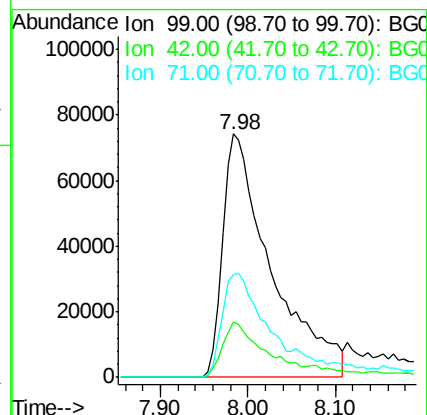
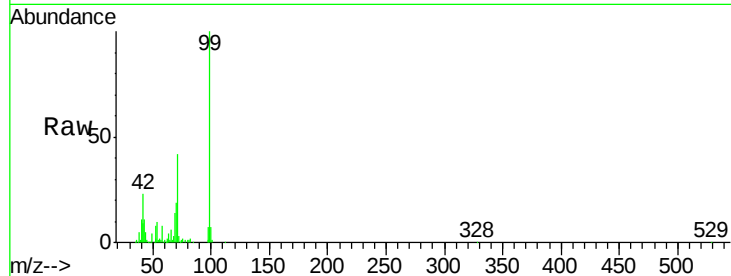
Tot Ion: 99 Resp: 282405

Ion Ratio Lower Upper

99 100

42 22.8 14.1 21.1#

71 42.4 26.1 39.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.73 min Scan# 1437

Delta R.T. -0.00 min

Lab File: BG033807.D

Acq: 13 Apr 2018 21:54

Tgt Ion: 136 Resp: 109931

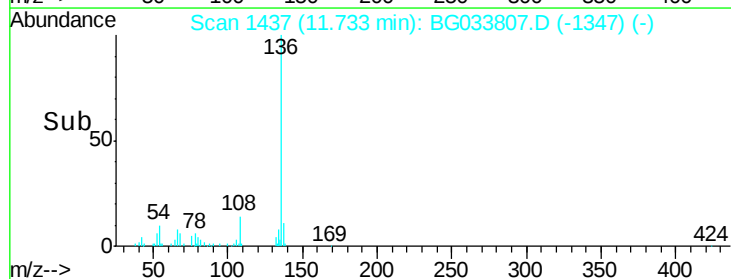
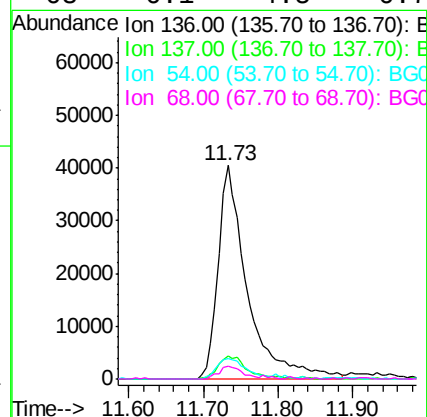
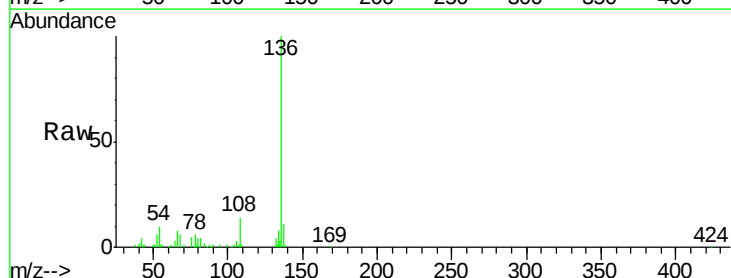
Ion Ratio Lower Upper

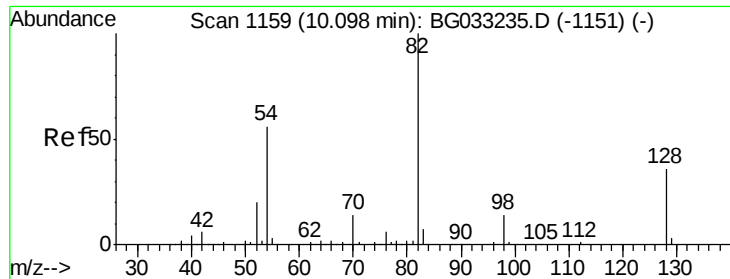
136 100

137 10.5 9.2 13.8

54 9.9 10.3 15.5#

68 6.1 4.5 6.7

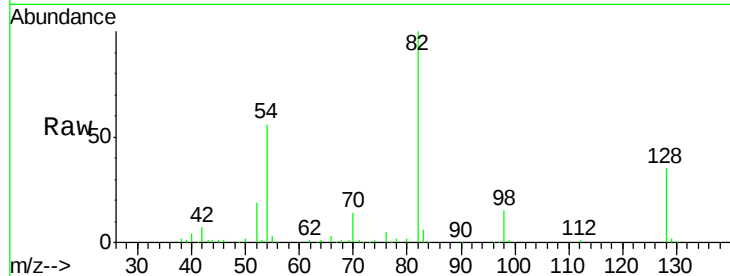




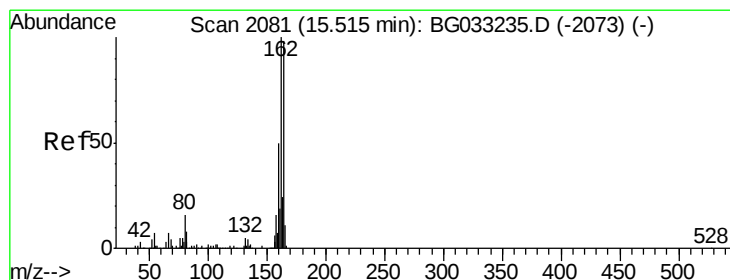
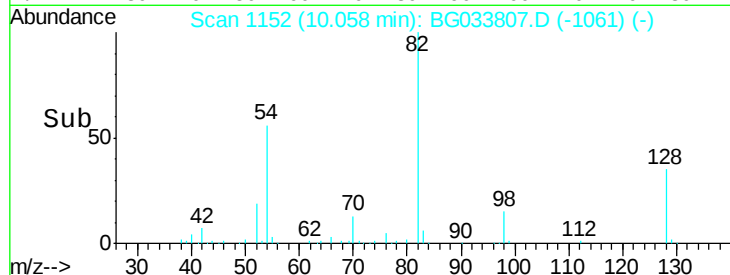
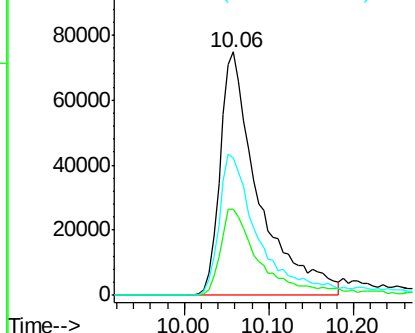
#23  
 Nitrobenzene-d5  
 Concen: 98.457 ng  
 RT: 10.06 min Scan# 1152  
 Delta R.T. 0.00 min  
 Lab File: BG033807.D  
 Acq: 13 Apr 2018 21:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 132

Tot Ion: 82 Resp: 235580  
 Ion Ratio Lower Upper  
 82 100  
 128 35.3 29.7 44.5  
 54 56.3 43.1 64.7

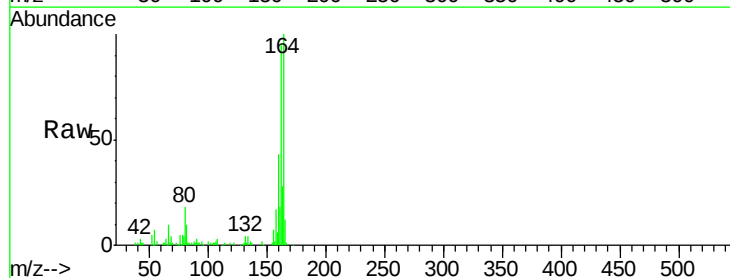


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

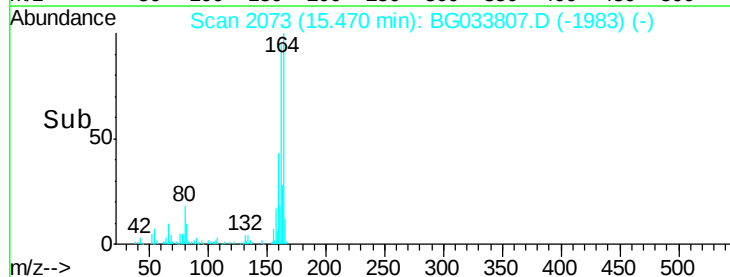
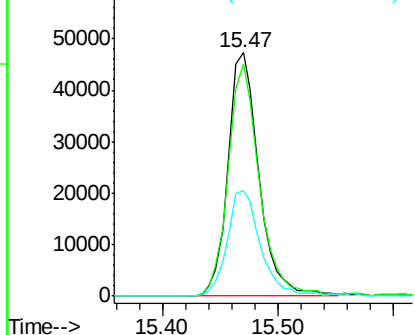


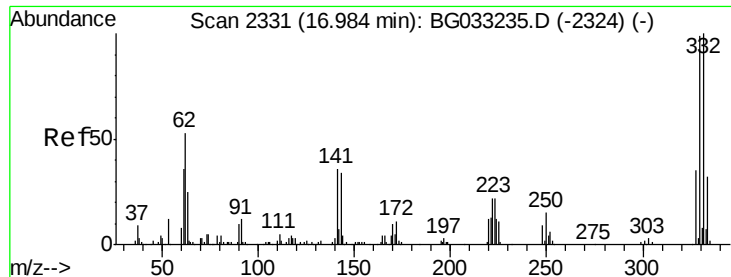
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.47 min Scan# 2073  
 Delta R.T. -0.00 min  
 Lab File: BG033807.D  
 Acq: 13 Apr 2018 21:54

Tgt Ion: 164 Resp: 87811  
 Ion Ratio Lower Upper  
 164 100  
 162 95.5 78.8 118.2  
 160 43.2 35.4 53.0



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

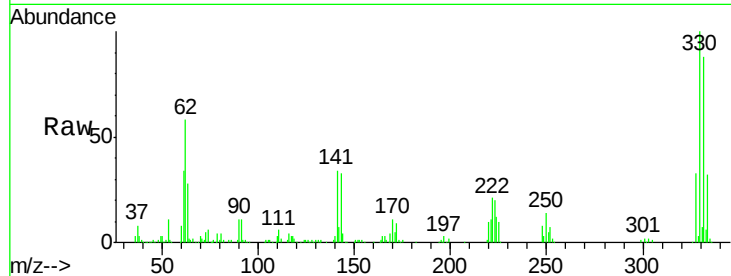




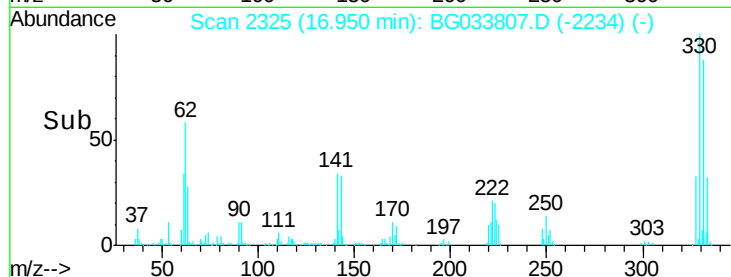
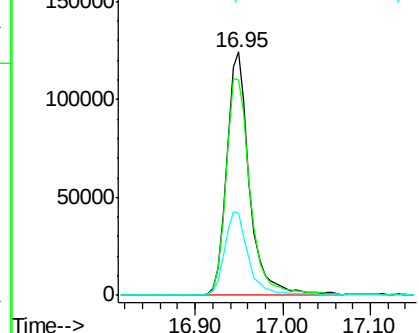
#41  
 2,4,6-Tribromophenol  
 Concen: 170.369 ng  
 RT: 16.95 min Scan# 2325  
 Delta R.T. 0.00 min  
 Lab File: BG033807.D  
 Acq: 13 Apr 2018 21:54

Instrument :  
 BNA\_G  
 ClientSampled :  
 132

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 77.0  | 115.6 |
| 141     | 35.5  | 25.2  | 37.8  |

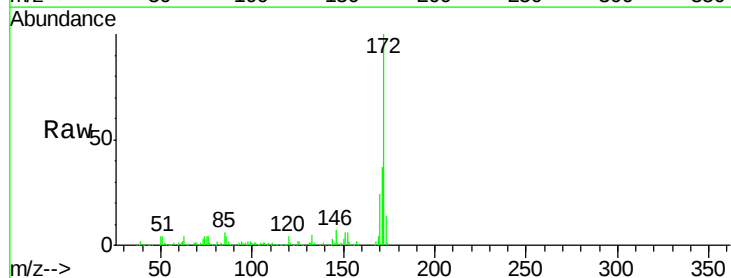


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

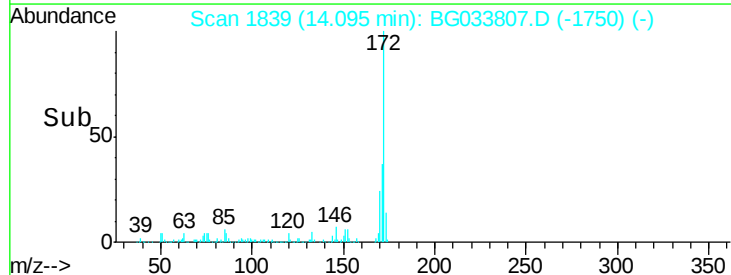
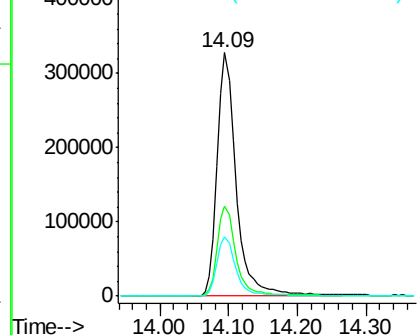


#44  
 2-Fluorobiphenyl  
 Concen: 104.583 ng  
 RT: 14.09 min Scan# 1839  
 Delta R.T. -0.01 min  
 Lab File: BG033807.D  
 Acq: 13 Apr 2018 21:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 30.0  | 45.0  |
| 170     | 24.4  | 19.5  | 29.3  |



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: 20.000 ng

RT: 18.20 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BG033807.D

Acq: 13 Apr 2018 21:54

Instrument :

BNA\_G

ClientSampleId :

132

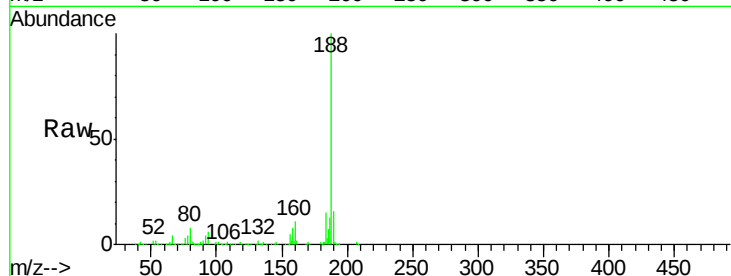
Tot Ion:188 Resp: 256654

Ion Ratio Lower Upper

188 100

94 6.3 6.9 10.3#

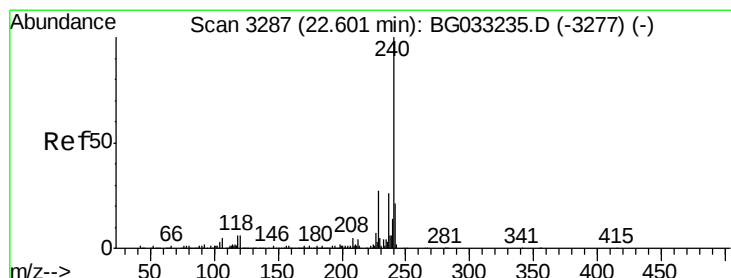
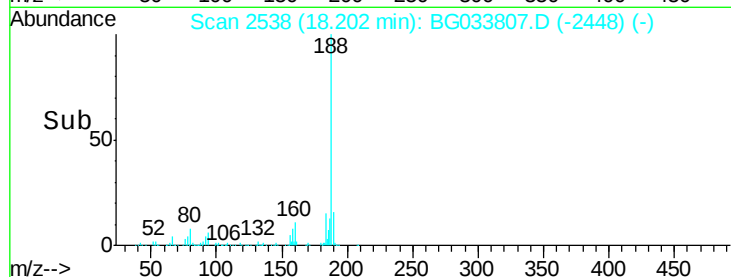
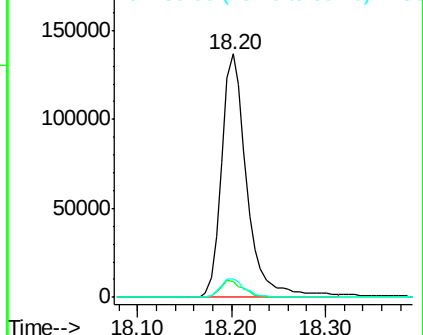
80 7.8 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.00 min

Lab File: BG033807.D

Acq: 13 Apr 2018 21:54

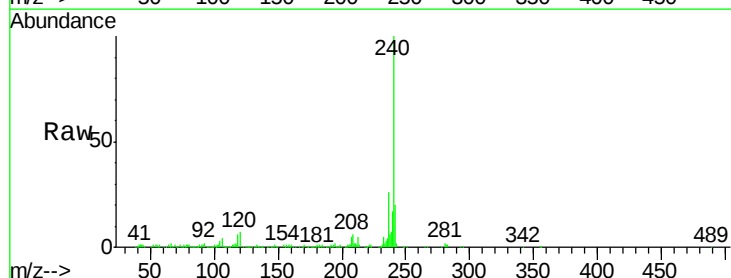
Tgt Ion:240 Resp: 290922

Ion Ratio Lower Upper

240 100

120 6.7 6.8 10.2#

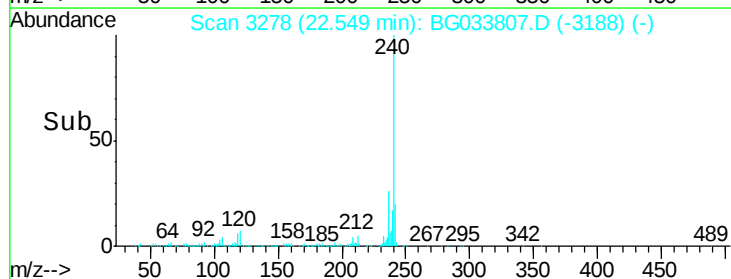
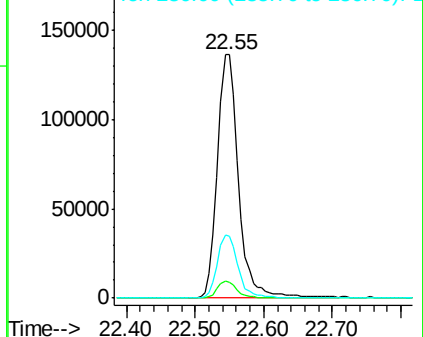
236 25.6 20.9 31.3

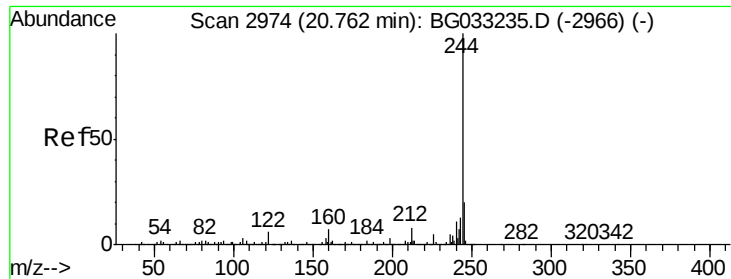


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

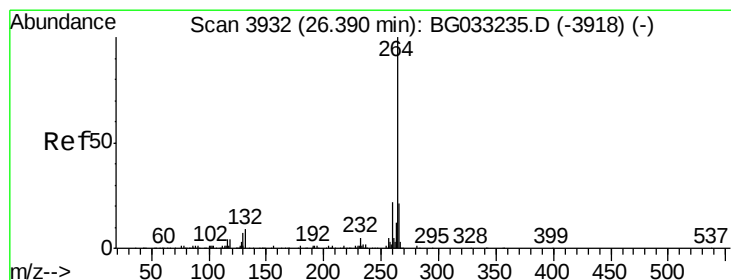
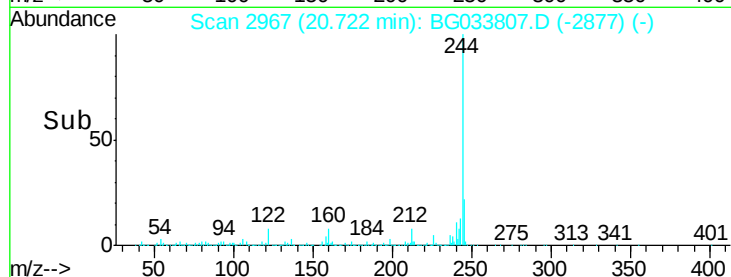
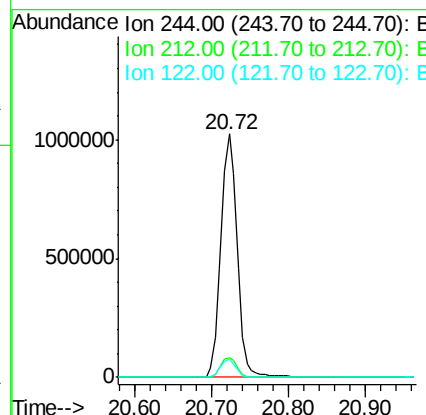
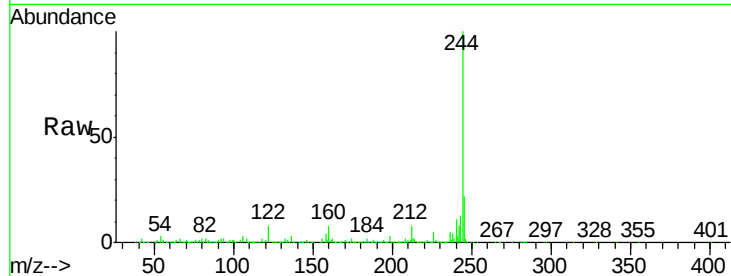




#78  
 Terphenyl-d14  
 Concen: 109.995 ng  
 RT: 20.72 min Scan# 2967  
 Delta R.T. -0.00 min  
 Lab File: BG033807.D  
 Acq: 13 Apr 2018 21:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 132

Tot Ion:244 Resp: 1496303  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 5.8 8.8  
 122 7.5 7.0 10.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 26.30 min Scan# 3917  
 Delta R.T. -0.00 min  
 Lab File: BG033807.D  
 Acq: 13 Apr 2018 21:54

Tgt Ion:264 Resp: 309015  
 Ion Ratio Lower Upper  
 264 100  
 260 21.7 17.4 26.0  
 265 22.7 17.7 26.5

