

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG040218\  
 Data File : BG033510.D  
 Acq On : 3 Apr 2018 5:24  
 Operator : SJ/JU  
 Sample : J2114-05  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 032718-DBRI-F-U-M

Quant Time: Apr 03 07:28:27 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 28 18:34:58 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.87  | 152  | 32087    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.75 | 136  | 149467   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.48 | 164  | 124759   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.21 | 188  | 343429   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 22.55 | 240  | 339468   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 26.31 | 264  | 364336   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 6.30  | 112  | 82195    | 48.03 | ng    | 0.00     |
| 7) Phenol-d6                | 7.98  | 99   | 82568    | 28.08 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.06 | 82   | 308627   | 94.87 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.95 | 330  | 180173   | 96.56 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.11 | 172  | 832674   | 96.35 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.73 | 244  | 1462403  | 92.13 | ng    | 0.00     |

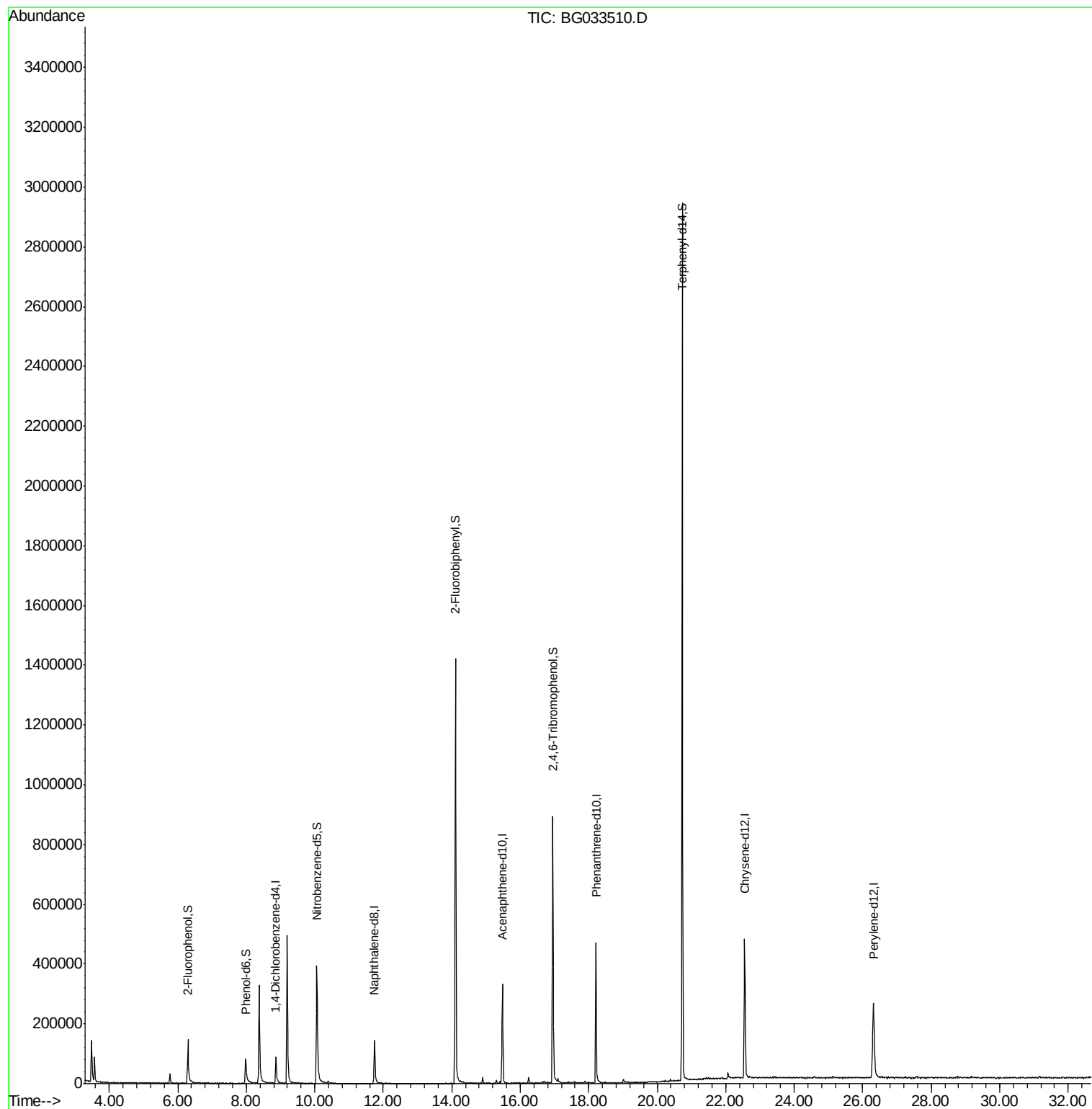
Target Compounds Qvalue

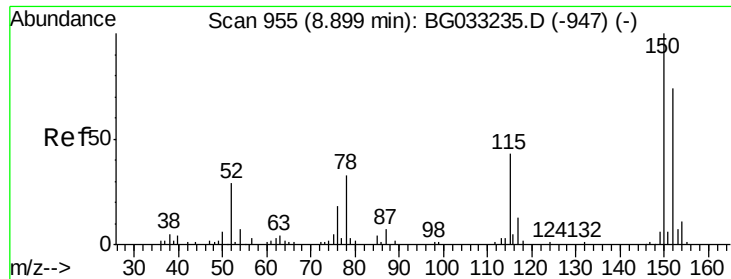
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG040218\  
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ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
032718-DBRI-F-U-M

Quant Time: Apr 03 07:28:27 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 28 18:34:58 2018  
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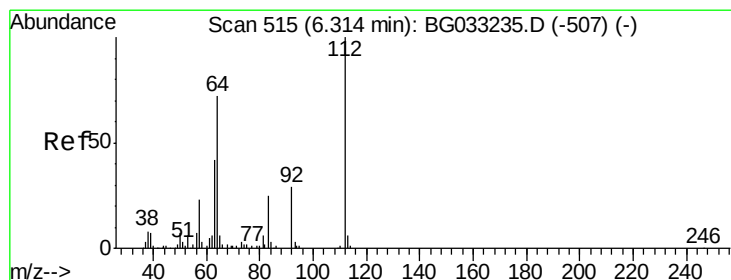
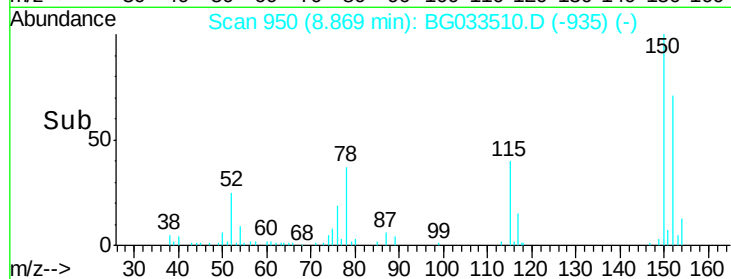
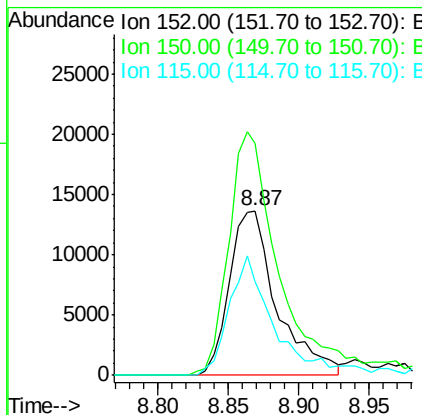
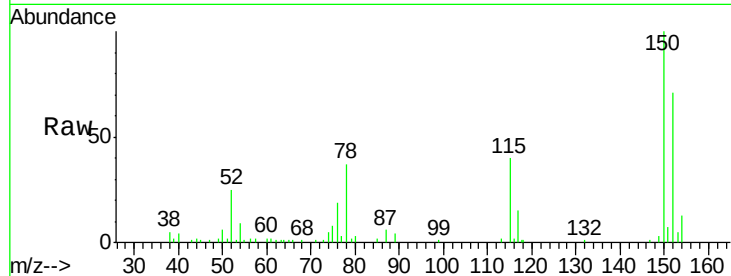


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.87 min Scan# 950  
 Delta R.T. -0.01 min  
 Lab File: BG033510.D  
 Acq: 3 Apr 2018 5:24

Instrument :  
 BNA\_G  
 ClientSampleId :  
 032718-DBRI-F-U-M

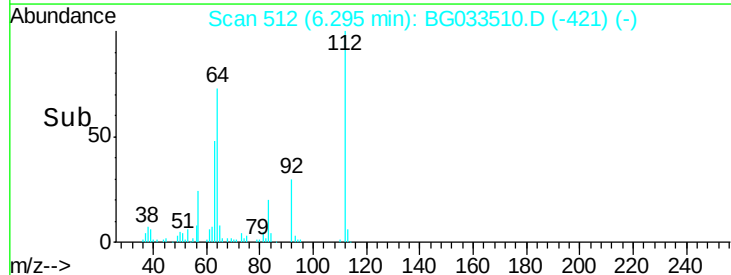
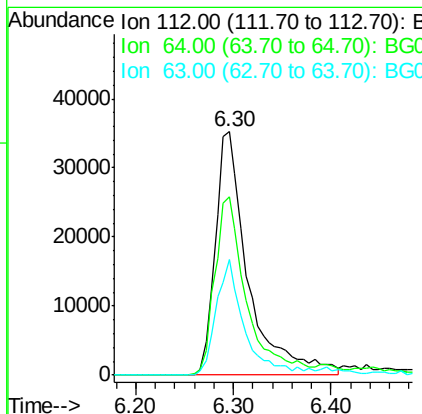
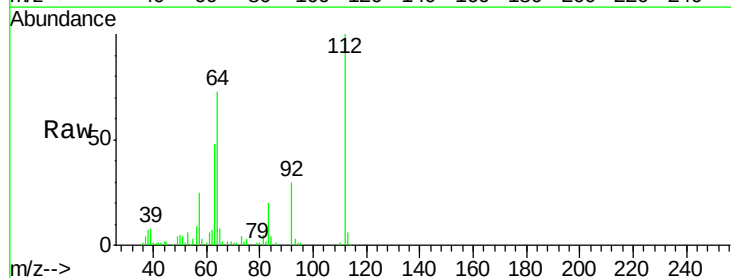
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 141.0 | 126.6 | 189.8 |
| 115     | 56.9  | 53.0  | 79.4  |

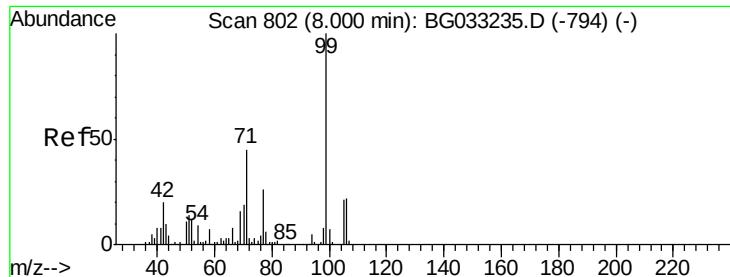


#5

2-Fluorophenol  
 Concen: 48.034 ng  
 RT: 6.30 min Scan# 512  
 Delta R.T. 0.00 min  
 Lab File: BG033510.D  
 Acq: 3 Apr 2018 5:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 73.1  | 56.3  | 84.5  |
| 63      | 47.5  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 28.083 ng

RT: 7.98 min Scan# 799

Delta R.T. 0.00 min

Lab File: BG033510.D

Acq: 3 Apr 2018 5:24

Instrument :

BNA\_G

ClientSampleId :

032718-DBRI-F-U-M

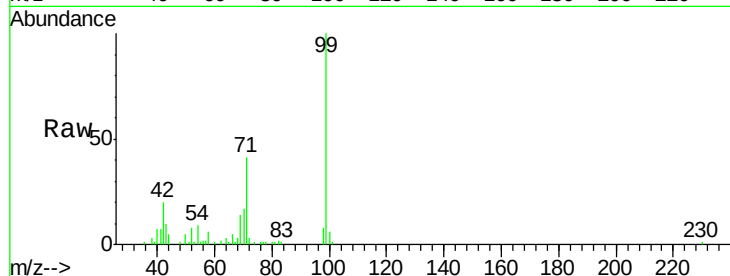
Tot Ion: 99 Resp: 82568

Ion Ratio Lower Upper

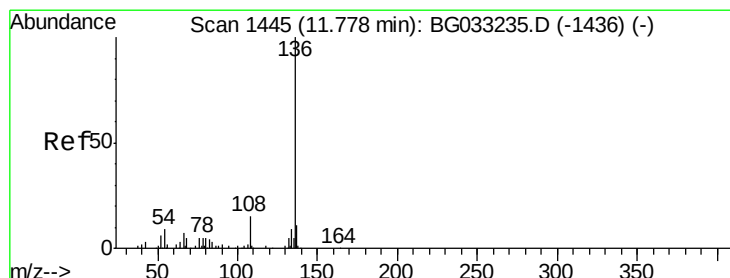
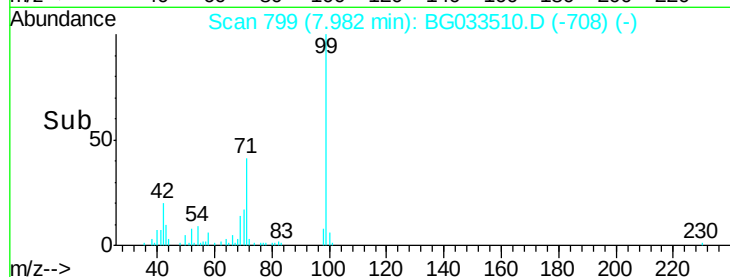
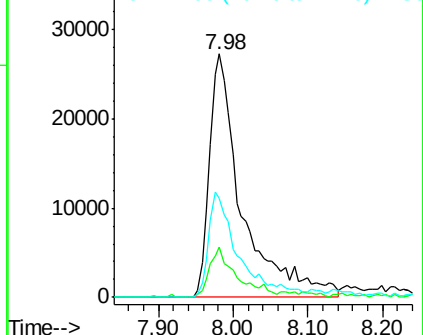
99 100

42 20.4 14.1 21.1

71 40.6 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: 11.75 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BG033510.D

Acq: 3 Apr 2018 5:24

Tgt Ion: 136 Resp: 149467

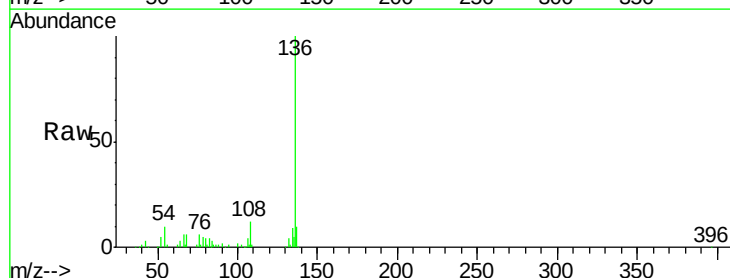
Ion Ratio Lower Upper

136 100

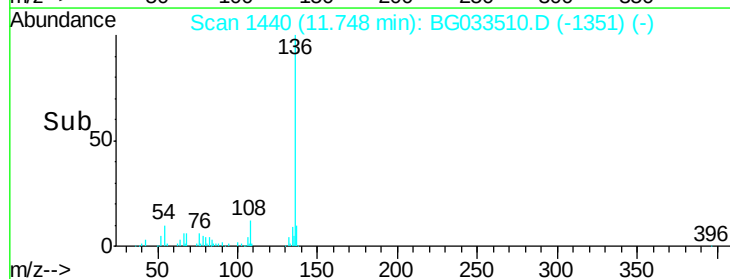
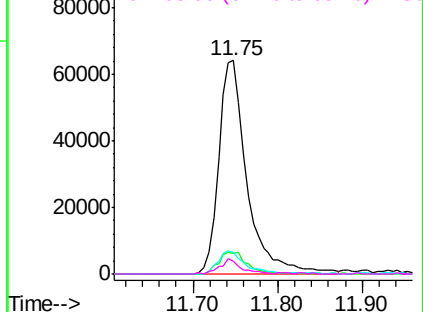
137 9.9 9.2 13.8

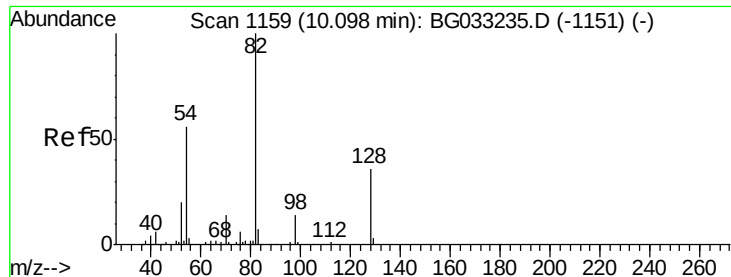
54 10.4 10.3 15.5

68 6.0 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

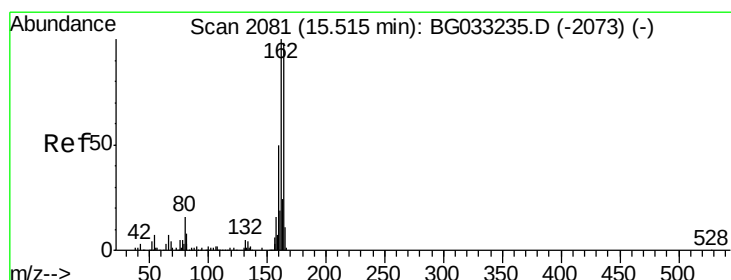
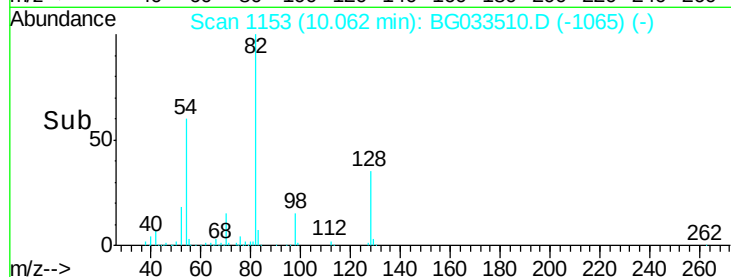
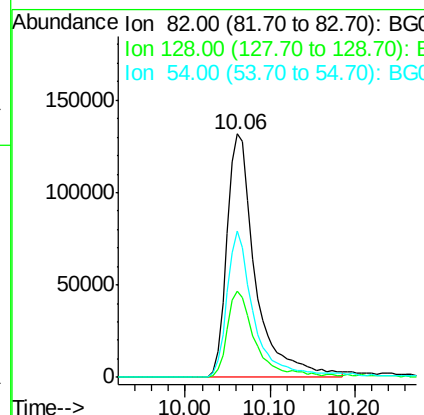
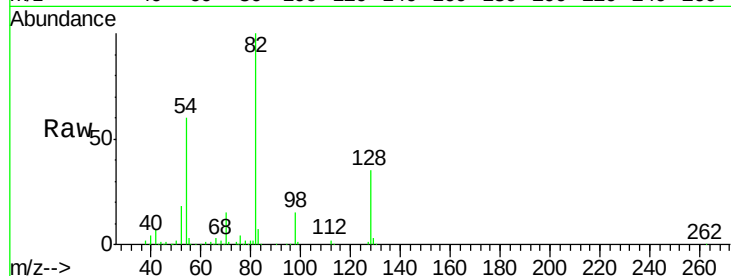




#23  
 Nitrobenzene-d5  
 Concen: 94.868 ng  
 RT: 10.06 min Scan# 1153  
 Delta R.T. -0.02 min  
 Lab File: BG033510.D  
 Acq: 3 Apr 2018 5:24

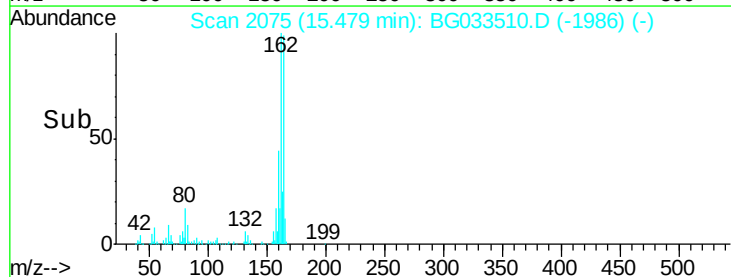
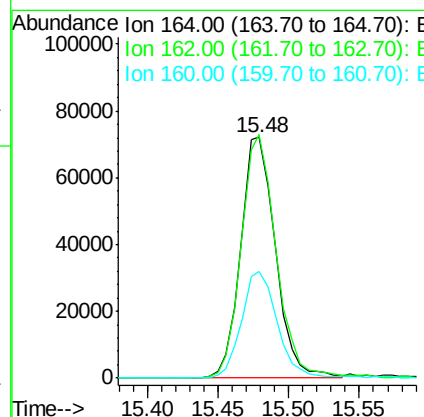
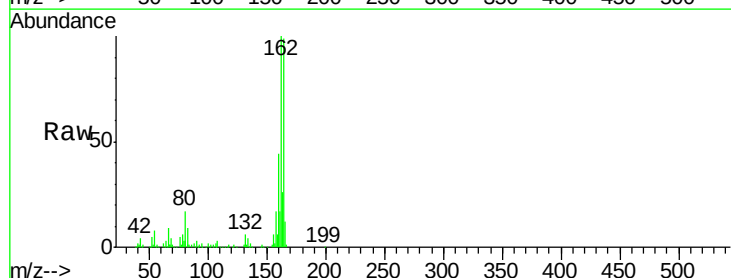
Instrument :  
 BNA\_G  
 ClientSampleId :  
 032718-DBRI-F-U-M

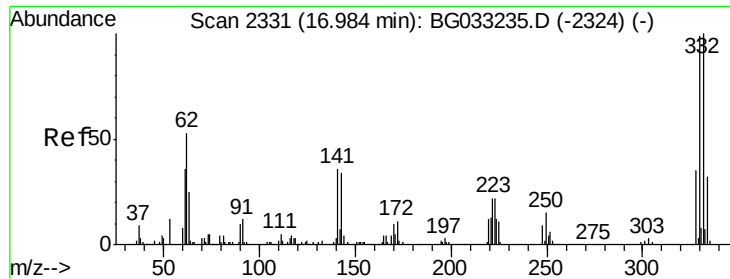
| Tot Ion   | 82    | Resp  | 308627 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.2  | 29.7  | 44.5   |
| 54        | 59.8  | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.48 min Scan# 2075  
 Delta R.T. -0.01 min  
 Lab File: BG033510.D  
 Acq: 3 Apr 2018 5:24

| Tgt Ion   | 164   | Resp  | 124759 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.1 | 78.8  | 118.2  |
| 160       | 44.2  | 35.4  | 53.0   |

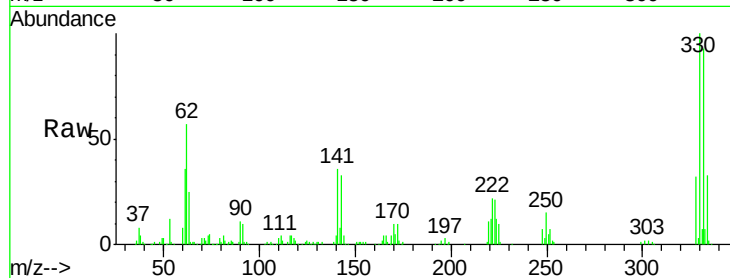




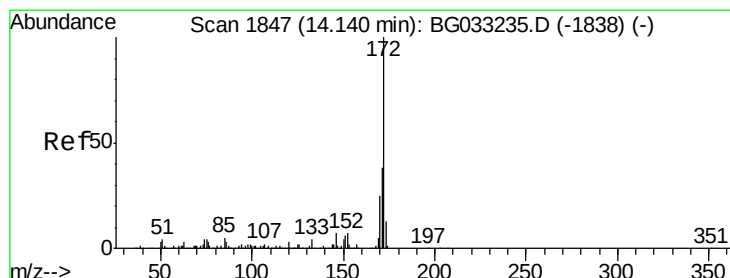
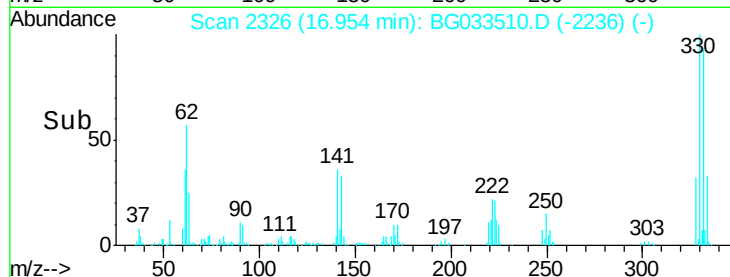
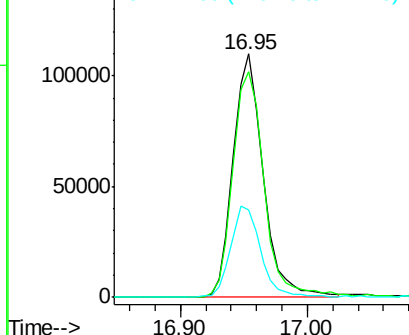
#41  
 2,4,6-Tribromophenol  
 Concen: 96.560 ng  
 RT: 16.95 min Scan# 2326  
 Delta R.T. -0.00 min  
 Lab File: BG033510.D  
 Acq: 3 Apr 2018 5:24

Instrument :  
 BNA\_G  
 ClientSampleId :  
 032718-DBRI-F-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 77.0  | 115.6 |
| 141     | 37.9  | 25.2  | 37.8# |

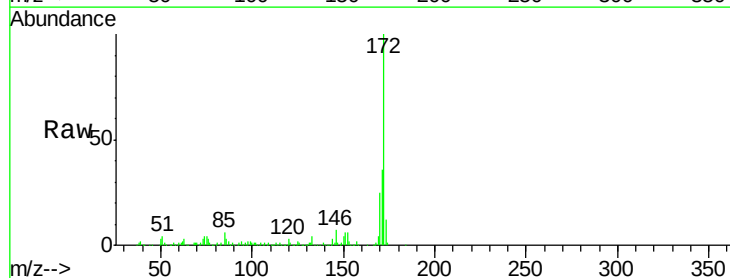


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

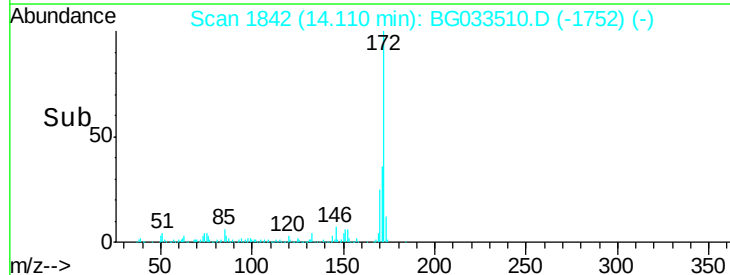
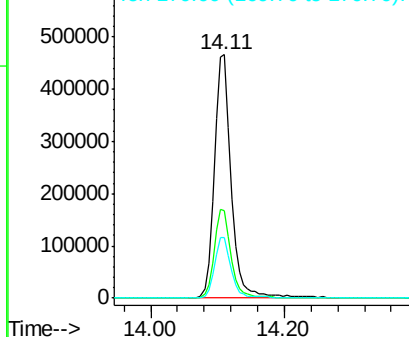


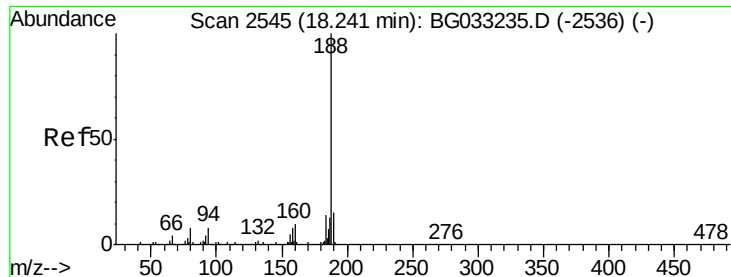
#44  
 2-Fluorobiphenyl  
 Concen: 96.352 ng  
 RT: 14.11 min Scan# 1842  
 Delta R.T. -0.00 min  
 Lab File: BG033510.D  
 Acq: 3 Apr 2018 5:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 30.0  | 45.0  |
| 170     | 24.8  | 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: 18.21 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BG033510.D

Acq: 3 Apr 2018 5:24

Instrument :

BNA\_G

ClientSampleId :

032718-DBRI-F-U-M

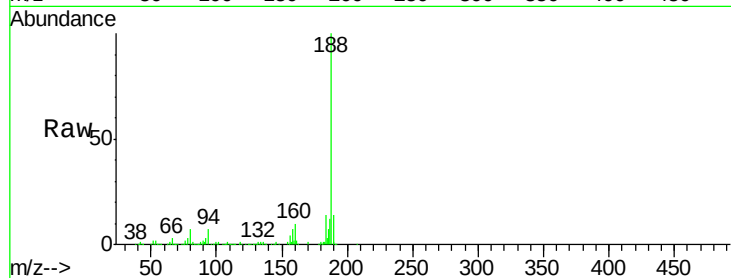
Tot Ion:188 Resp: 343429

Ion Ratio Lower Upper

188 100

94 7.1 6.9 10.3

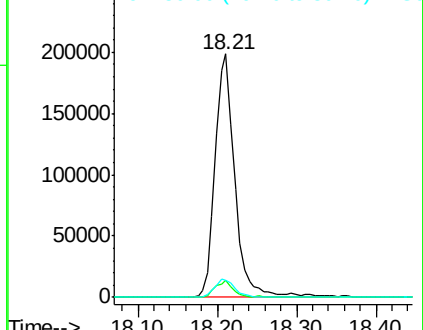
80 6.8 7.7 11.5#



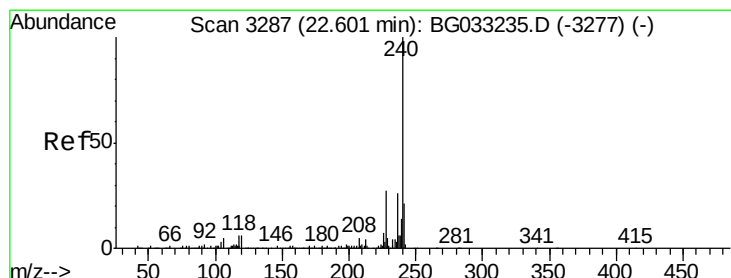
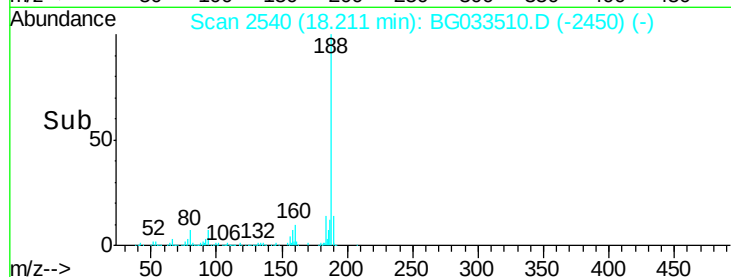
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG033510.D

Acq: 3 Apr 2018 5:24

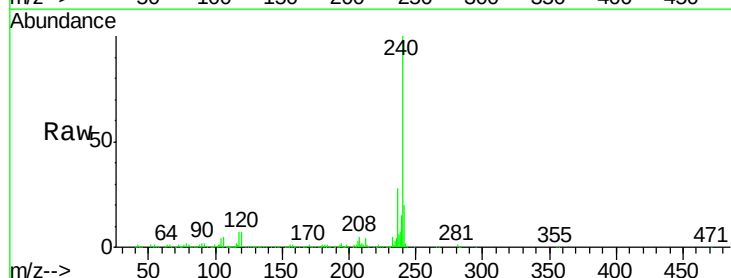
Tgt Ion:240 Resp: 339468

Ion Ratio Lower Upper

240 100

120 6.6 6.8 10.2#

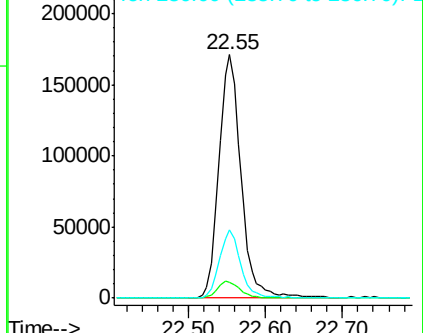
236 28.0 20.9 31.3



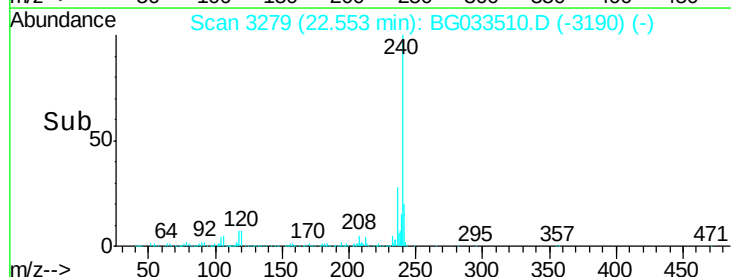
Abundance Ion 240.00 (239.70 to 240.70): E

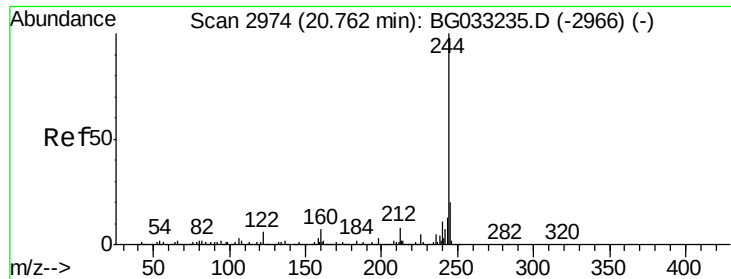
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Terphenyl-d14

Concen: 92.130 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033510.D

Acq: 3 Apr 2018 5:24

Instrument :

BNA\_G

ClientSampleId :

032718-DBRI-F-U-M

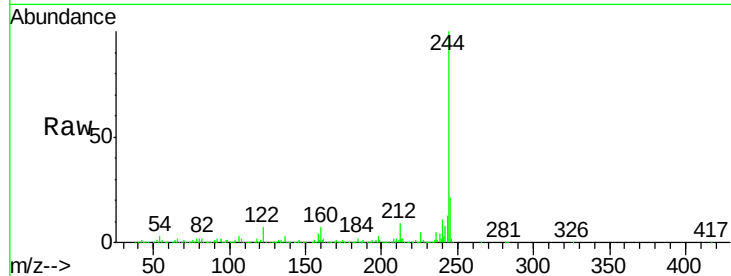
Tot Ion:244 Resp: 1462403

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

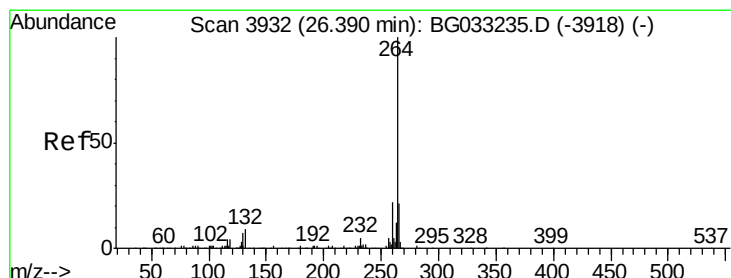
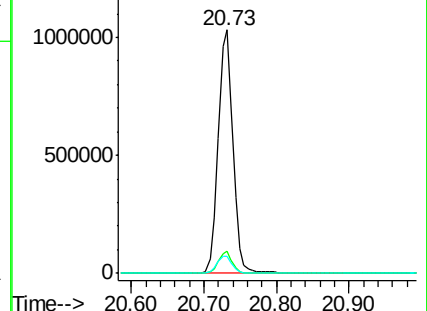
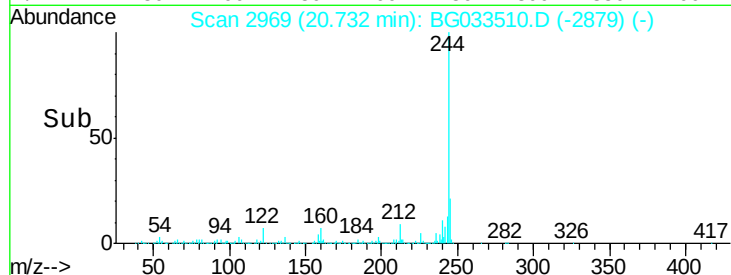
122 7.2 7.0 10.4



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: 20.000 ng

RT: 26.31 min Scan# 3918

Delta R.T. -0.03 min

Lab File: BG033510.D

Acq: 3 Apr 2018 5:24

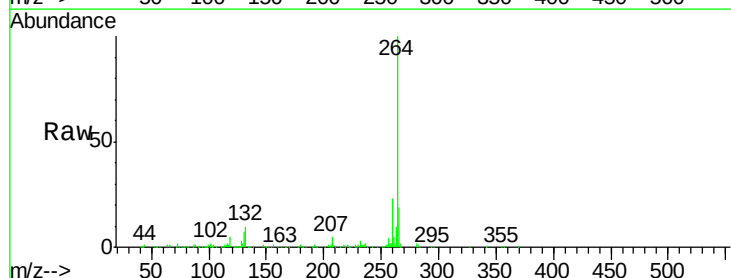
Tgt Ion:264 Resp: 364336

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 19.1 17.7 26.5



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

