

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040918\  
 Data File : BG033702.D  
 Acq On : 10 Apr 2018 5:48  
 Operator : SJ/JU  
 Sample : J2157-04  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-040618-B

Quant Time: Apr 10 08:33:03 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 05 17:36:07 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.86  | 152  | 39322    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.74 | 136  | 158887   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.48 | 164  | 118666   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.20 | 188  | 308884   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.55 | 240  | 319746   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.31 | 264  | 342517   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.29  | 112  | 347283   | 165.61 | ng    | 0.00     |
| 7) Phenol-d6                | 7.97  | 99   | 484357   | 134.43 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.06 | 82   | 363536   | 105.12 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.95 | 330  | 242271   | 136.51 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.10 | 172  | 846017   | 102.92 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.72 | 244  | 1632922  | 109.22 | ng    | 0.00     |

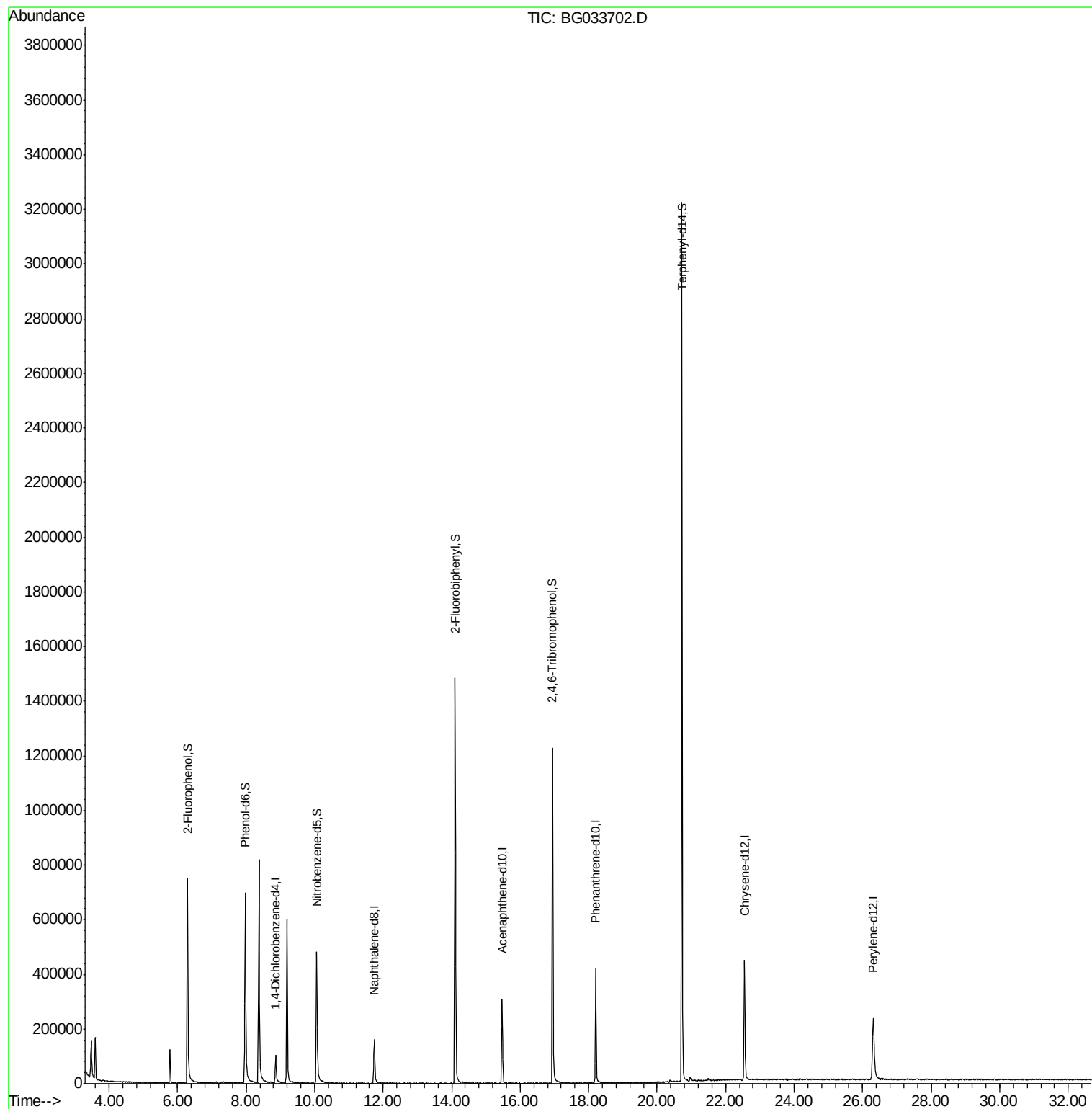
Target Compounds Qvalue

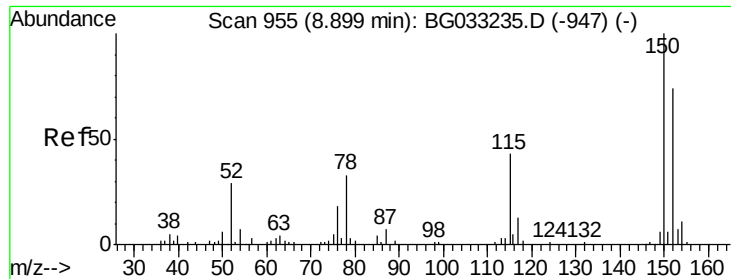
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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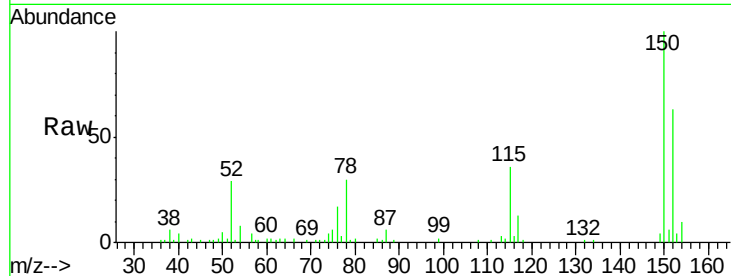


#1

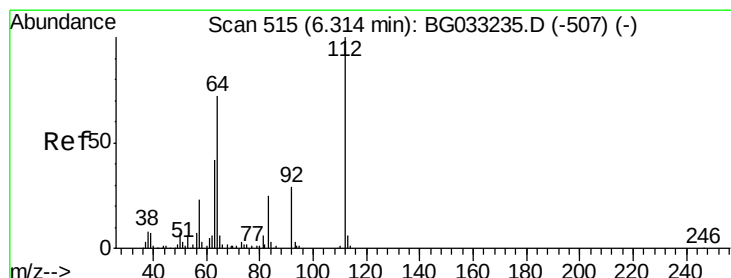
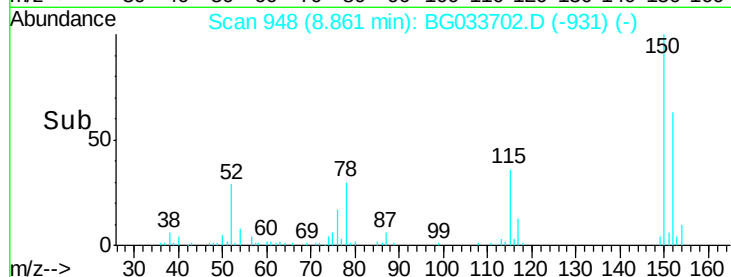
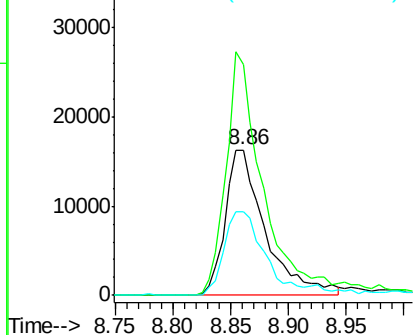
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.86 min Scan# 948  
 Delta R.T. -0.00 min  
 Lab File: BG033702.D  
 Acq: 10 Apr 2018 5:48

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-040618-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.9 | 126.6 | 189.8 |
| 115     | 57.7  | 53.0  | 79.4  |



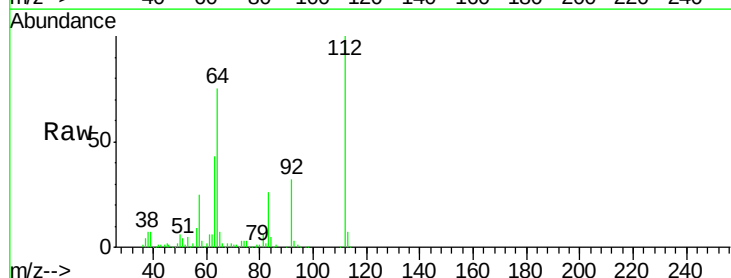
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



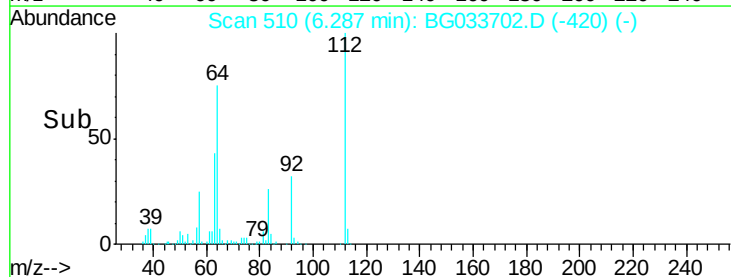
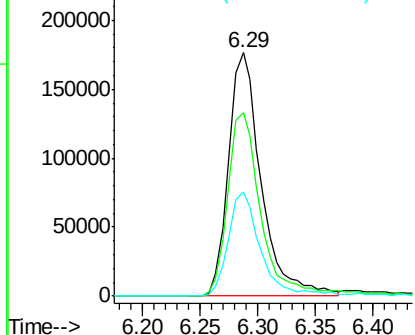
#5

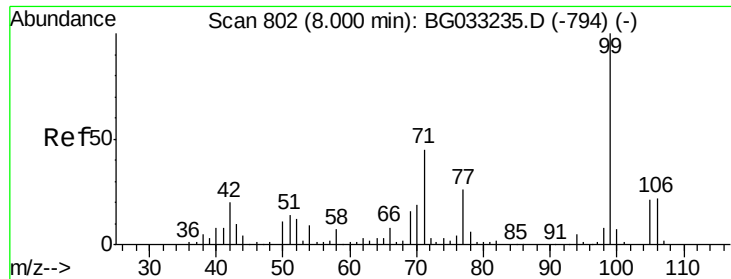
2-Fluorophenol  
 Concen: 165.606 ng  
 RT: 6.29 min Scan# 510  
 Delta R.T. -0.00 min  
 Lab File: BG033702.D  
 Acq: 10 Apr 2018 5:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 75.5  | 56.3  | 84.5  |
| 63      | 43.0  | 30.1  | 45.1  |



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: 134.426 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033702.D

Acq: 10 Apr 2018 5:48

Instrument :

BNA\_G

ClientSampleId :

CL-01-040618-B

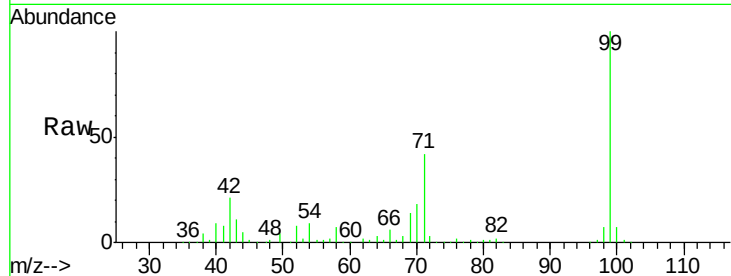
Tot Ion: 99 Resp: 484357

Ion Ratio Lower Upper

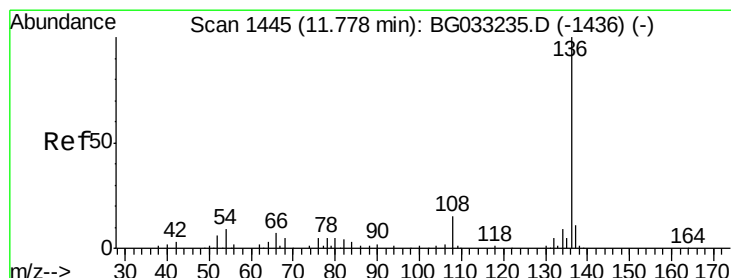
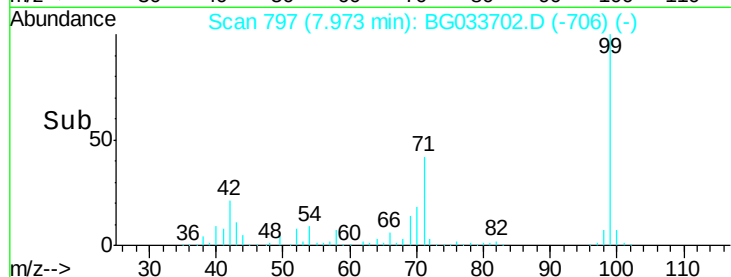
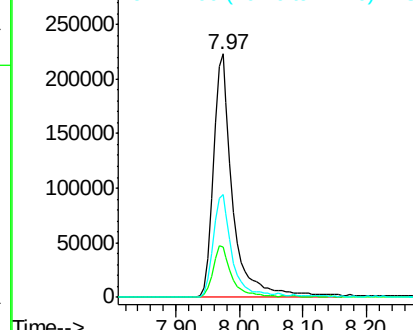
99 100

42 20.6 14.1 21.1

71 42.4 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: 11.74 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BG033702.D

Acq: 10 Apr 2018 5:48

Tgt Ion: 136 Resp: 158887

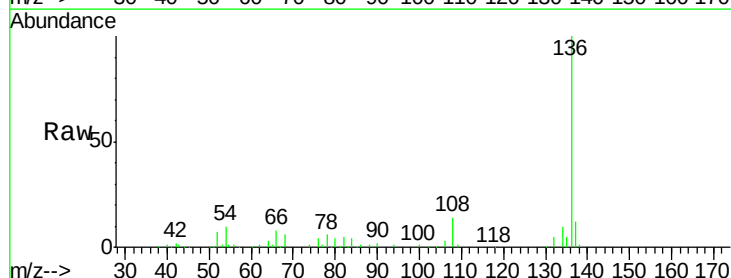
Ion Ratio Lower Upper

136 100

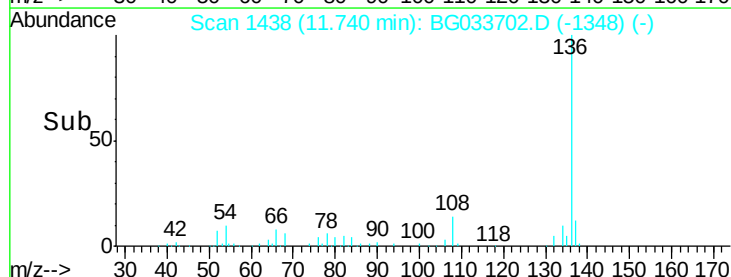
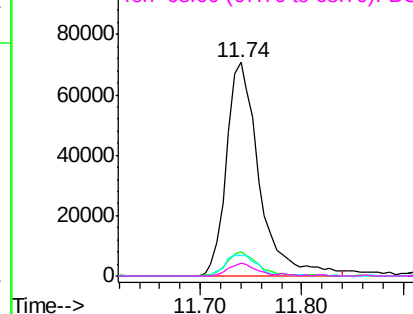
137 11.6 9.2 13.8

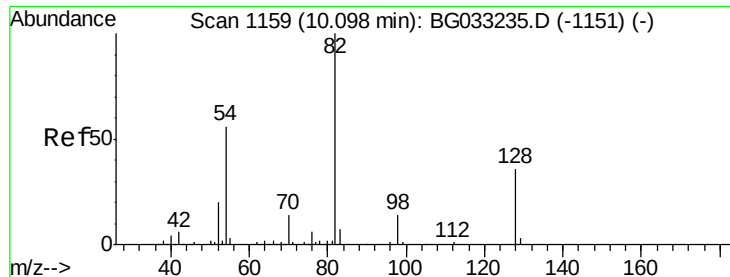
54 10.4 10.3 15.5

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

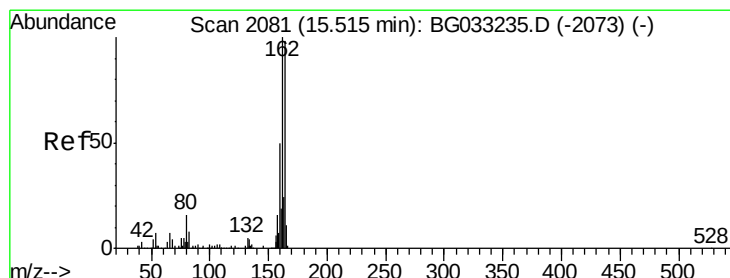
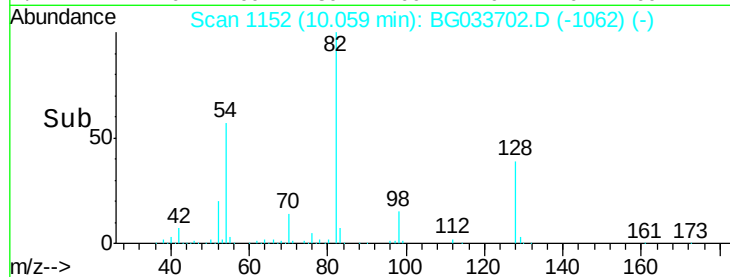
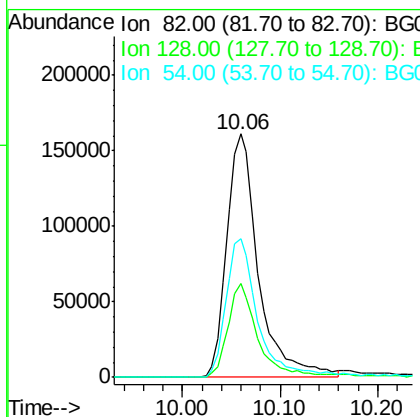
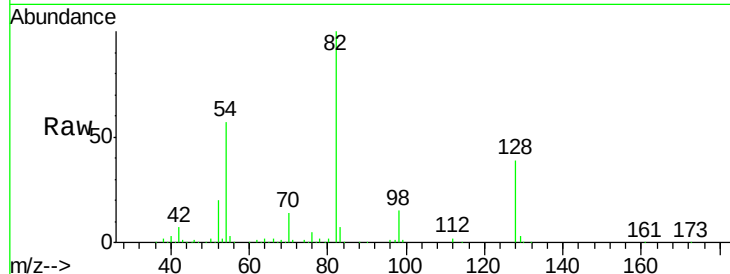




#23  
 Nitrobenzene-d5  
 Concen: 105.121 ng  
 RT: 10.06 min Scan# 1152  
 Delta R.T. -0.00 min  
 Lab File: BG033702.D  
 Acq: 10 Apr 2018 5:48

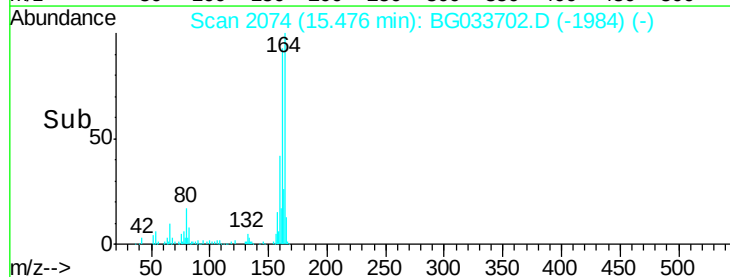
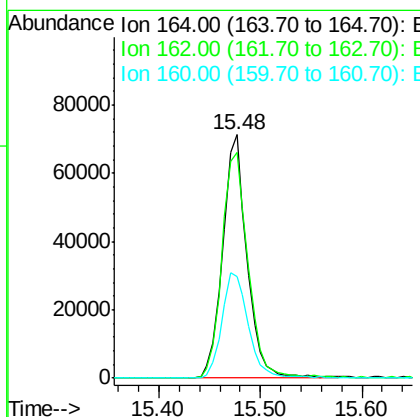
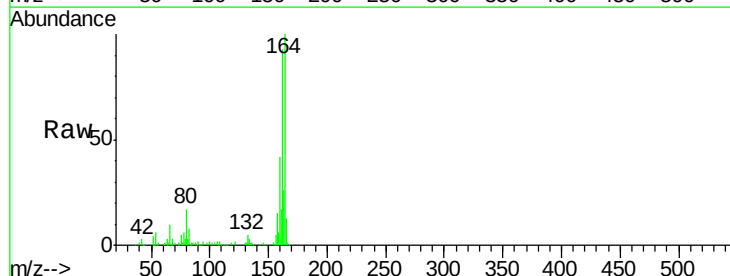
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-040618-B

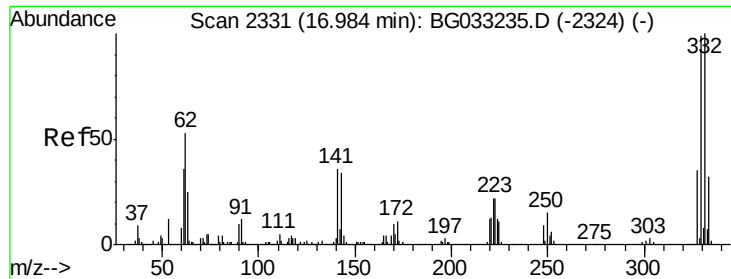
| Tot Ion   | 82    | Resp  | 363536 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 38.7  | 29.7  | 44.5   |
| 54        | 57.2  | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.48 min Scan# 2074  
 Delta R.T. -0.00 min  
 Lab File: BG033702.D  
 Acq: 10 Apr 2018 5:48

| Tgt Ion   | 164   | Resp  | 118666 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 92.7  | 78.8  | 118.2  |
| 160       | 41.8  | 35.4  | 53.0   |

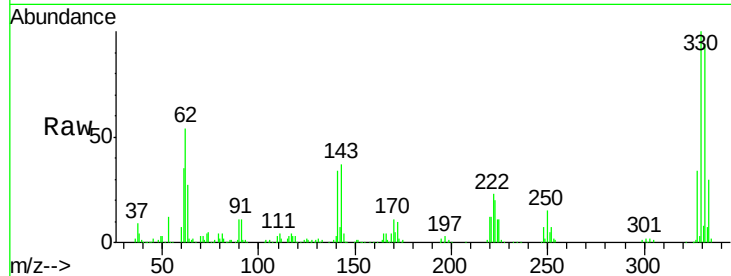




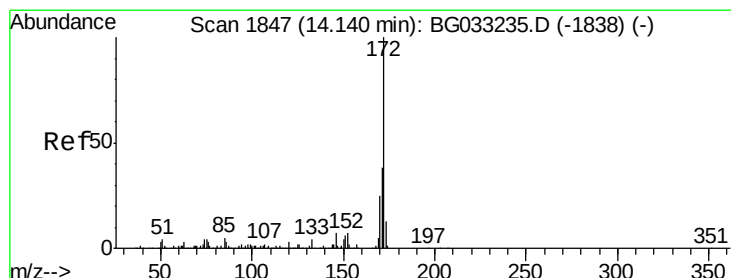
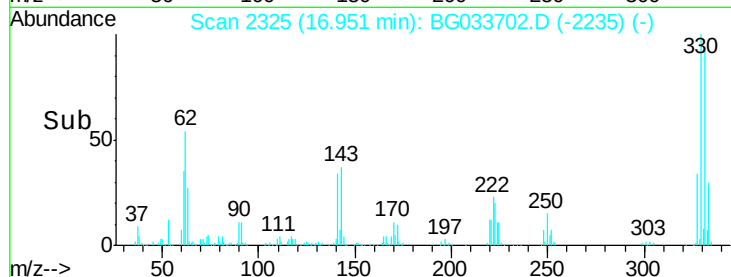
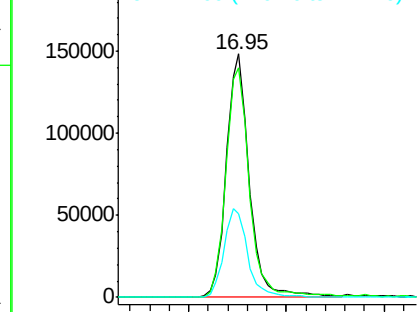
#41  
 2,4,6-Tribromophenol  
 Concen: 136.507 ng  
 RT: 16.95 min Scan# 2325  
 Delta R.T. -0.00 min  
 Lab File: BG033702.D  
 Acq: 10 Apr 2018 5:48

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-040618-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.0  | 115.6 |
| 141     | 37.7  | 25.2  | 37.8  |

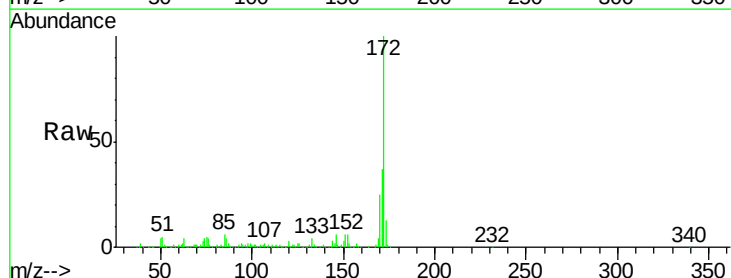


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

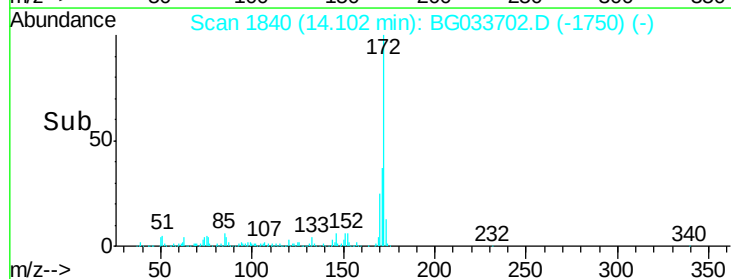
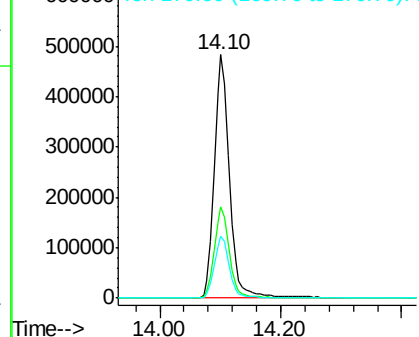


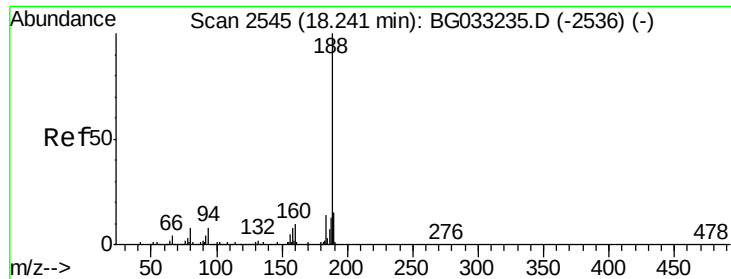
#44  
 2-Fluorobiphenyl  
 Concen: 102.922 ng  
 RT: 14.10 min Scan# 1840  
 Delta R.T. -0.00 min  
 Lab File: BG033702.D  
 Acq: 10 Apr 2018 5:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 30.0  | 45.0  |
| 170     | 25.2  | 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. -0.01 min

Lab File: BG033702.D

Acq: 10 Apr 2018 5:48

Instrument :

BNA\_G

ClientSampleId :

CL-01-040618-B

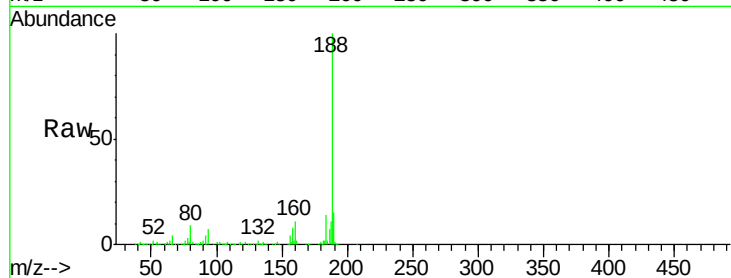
Tot Ion:188 Resp: 308884

Ion Ratio Lower Upper

188 100

94 7.0 6.9 10.3

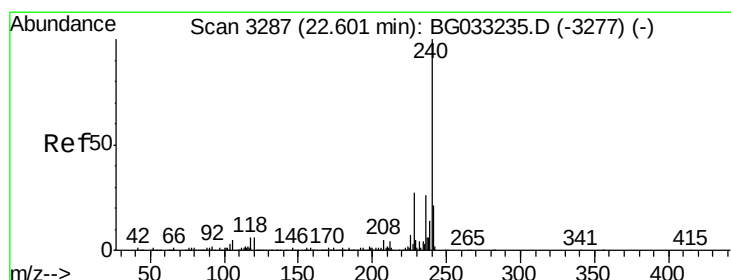
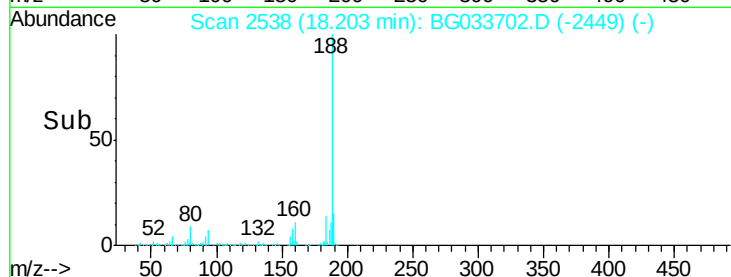
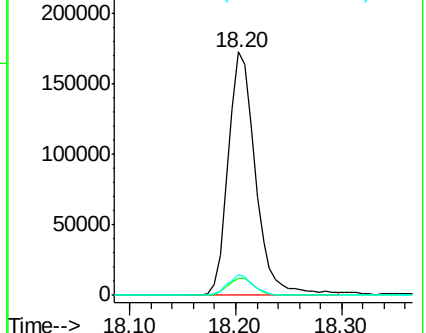
80 8.7 7.7 11.5



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.01 min

Lab File: BG033702.D

Acq: 10 Apr 2018 5:48

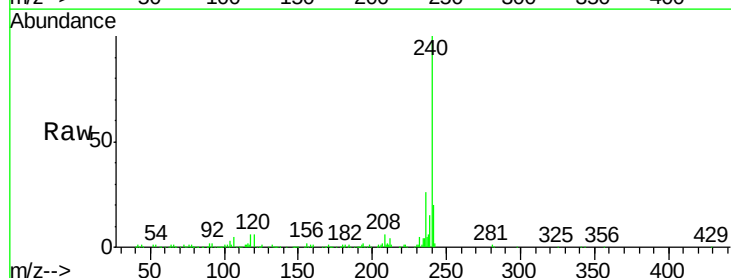
Tgt Ion:240 Resp: 319746

Ion Ratio Lower Upper

240 100

120 6.4 6.8 10.2#

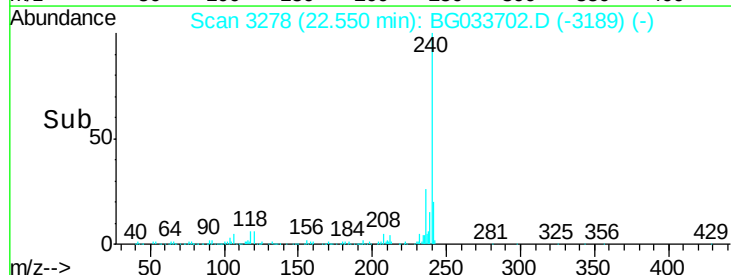
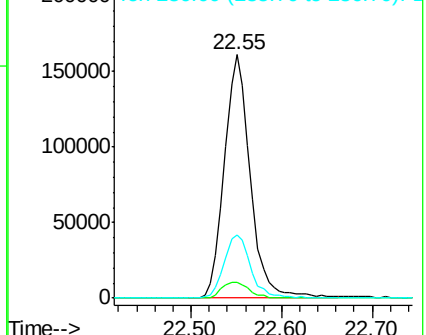
236 26.1 20.9 31.3

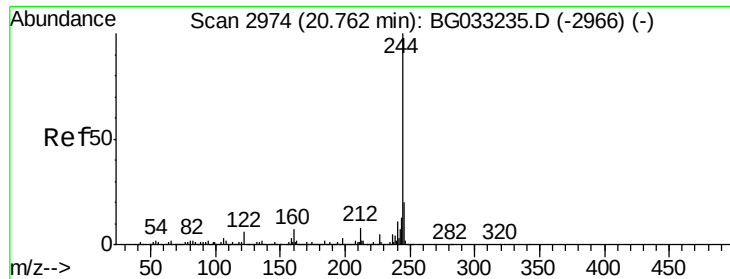


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 109.217 ng

RT: 20.72 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BG033702.D

Acq: 10 Apr 2018 5:48

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CL-01-040618-B

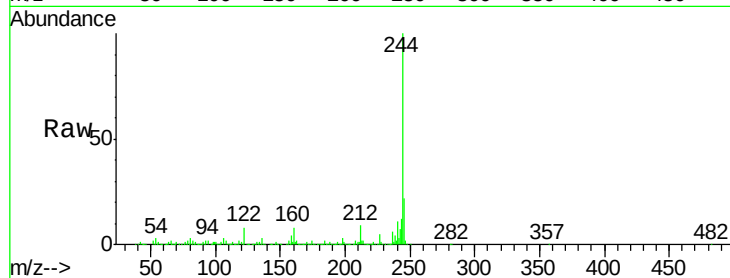
Tot Ion:244 Resp: 1632922

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

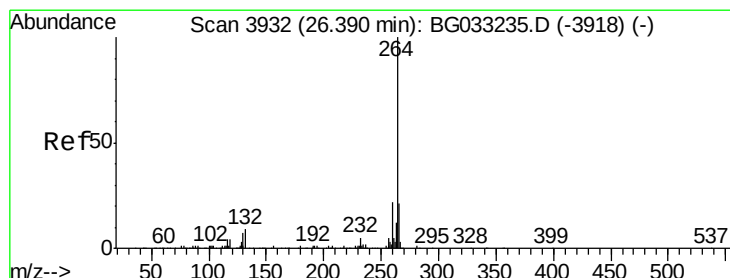
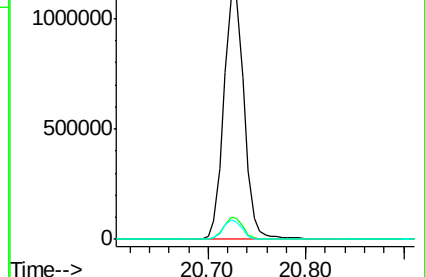
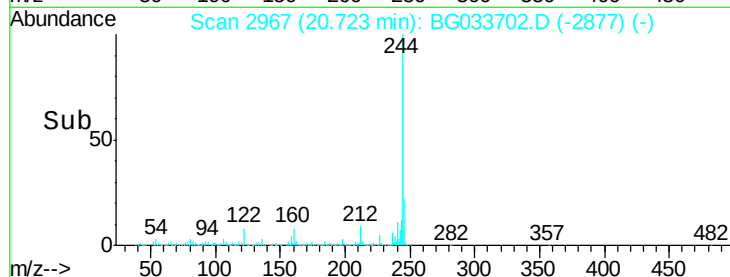
122 8.0 7.0 10.4



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. -0.01 min

Lab File: BG033702.D

Acq: 10 Apr 2018 5:48

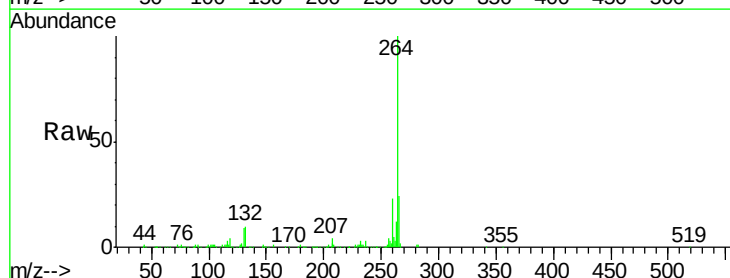
Tgt Ion:264 Resp: 342517

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.0

265 23.6 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

