

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080818\  
 Data File : BG036226.D  
 Acq On : 9 Aug 2018 10:27  
 Operator : JU/SJ  
 Sample : J4328-02  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-01

Quant Time: Aug 09 12:47:16 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 31 12:30:06 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.01  | 152  | 32058    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.81 | 136  | 114695   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.63 | 164  | 83998    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.38 | 188  | 215072   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.64 | 240  | 233361   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.83 | 264  | 225363   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 104220   | 53.97  | ng    | 0.00     |
| 7) Phenol-d6                | 7.18  | 99   | 95230    | 33.06  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 246437   | 89.76  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330  | 160920   | 145.35 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.25 | 172  | 539874   | 86.11  | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.98 | 244  | 969788   | 91.61  | ng    | -0.02    |

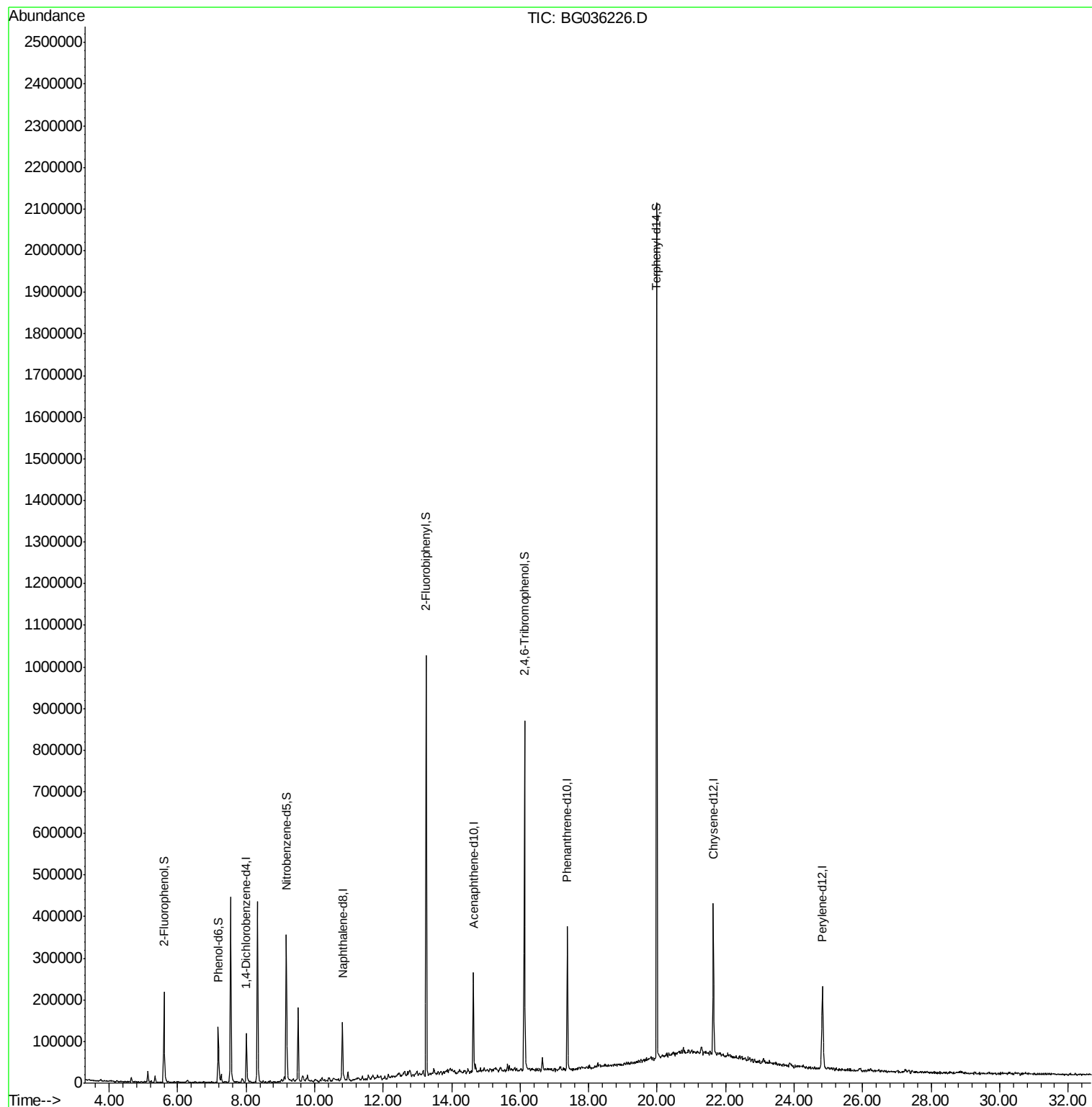
Target Compounds Qvalue

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.02 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

Instrument :

BNA\_G

ClientSampleId :

MW-01

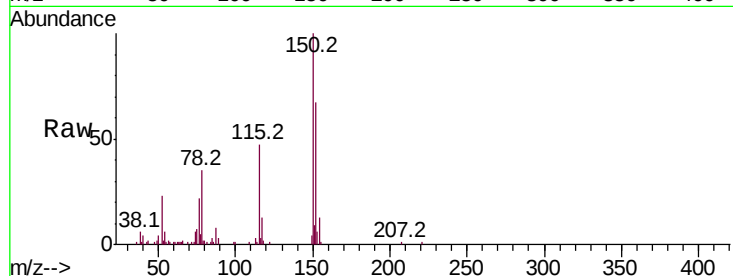
Tot Ion:152 Resp: 32058

Ion Ratio Lower Upper

152 100

150 149.4 126.6 189.8

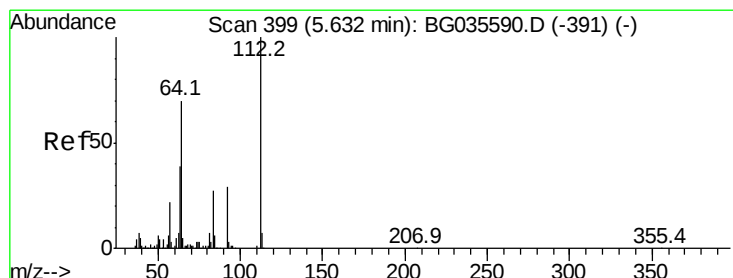
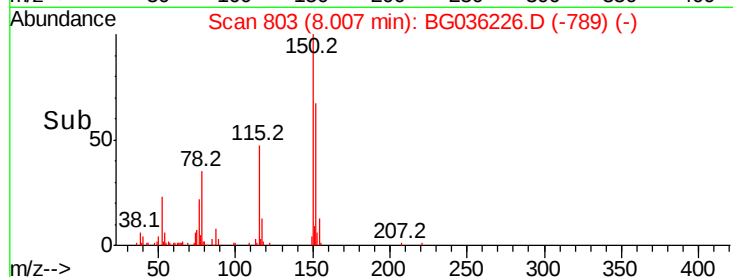
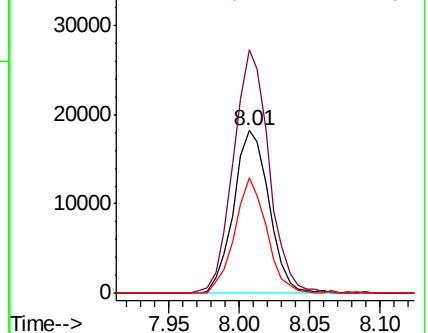
115 70.9 53.0 79.4



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: 53.974 ng

RT: 5.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

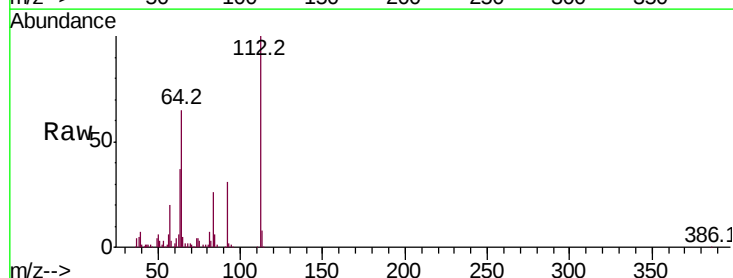
Tgt Ion:112 Resp: 104220

Ion Ratio Lower Upper

112 100

64 65.3 56.3 84.5

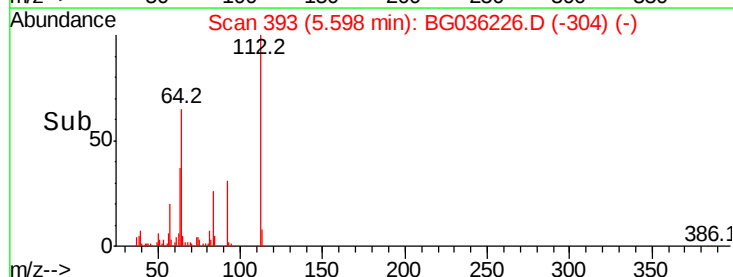
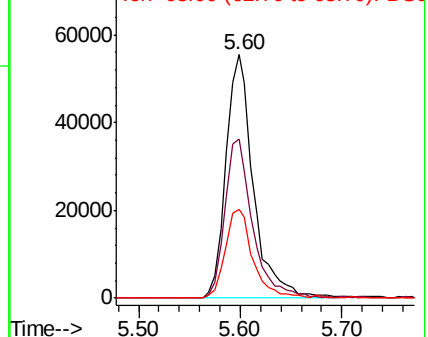
63 36.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 33.055 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

Instrument :

BNA\_G

ClientSampleId :

MW-01

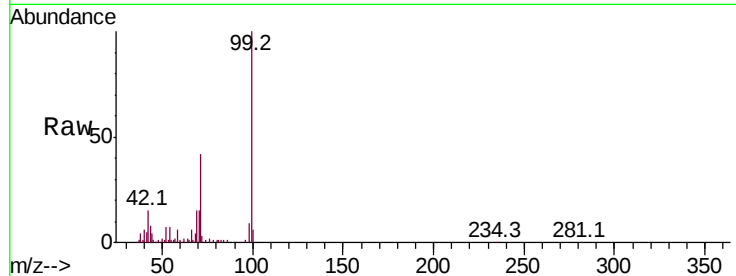
Tot Ion: 99 Resp: 95230

Ion Ratio Lower Upper

99 100

42 15.1 14.1 21.1

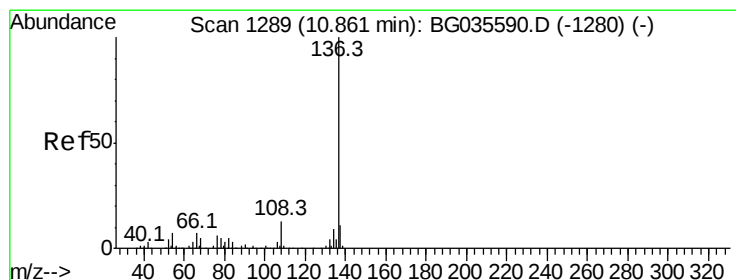
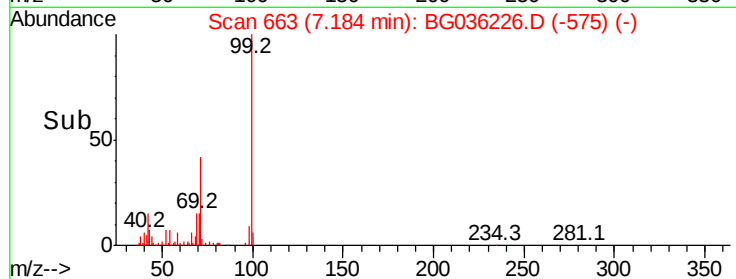
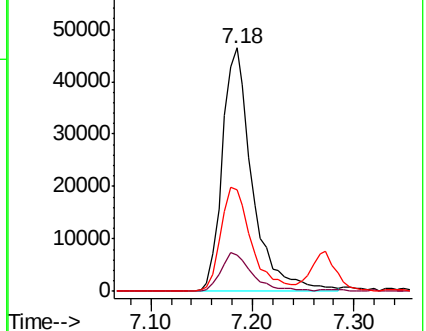
71 41.6 26.1 39.1#



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: 10.81 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

Tgt Ion: 136 Resp: 114695

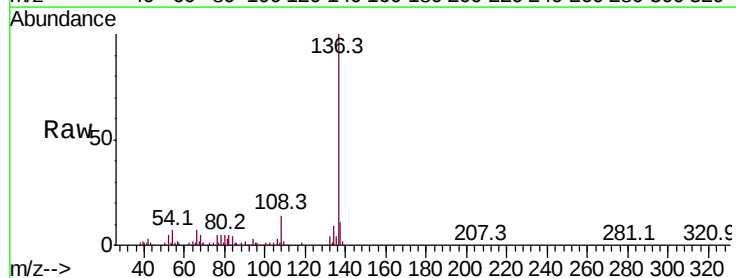
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 6.5 10.3 15.5#

68 4.9 4.5 6.7

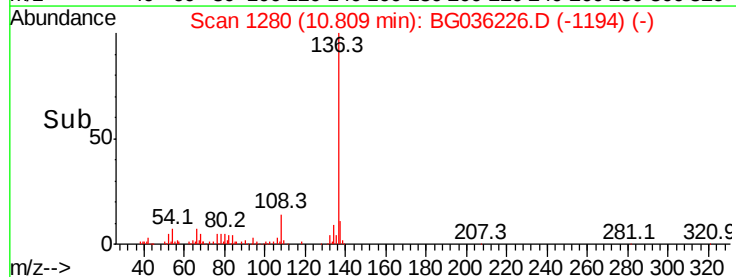
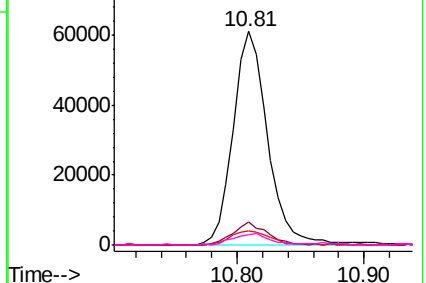


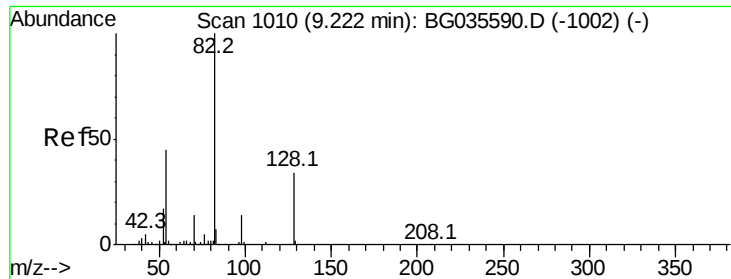
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

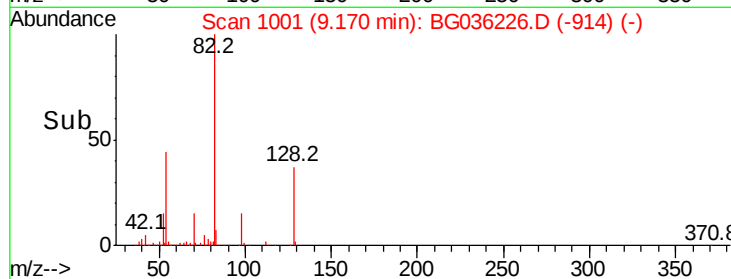
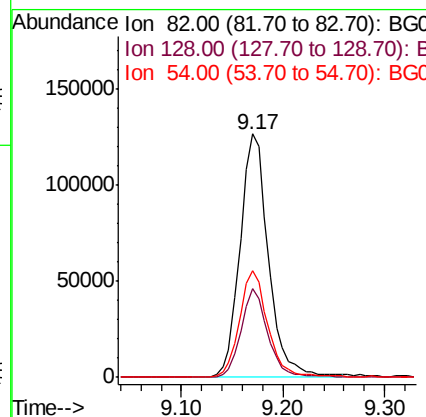
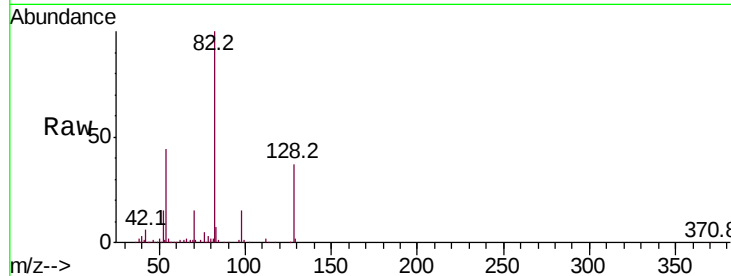




#23  
 Nitrobenzene-d5  
 Concen: 89.758 ng  
 RT: 9.17 min Scan# 1001  
 Delta R.T. -0.02 min  
 Lab File: BG036226.D  
 Acq: 9 Aug 2018 10:27

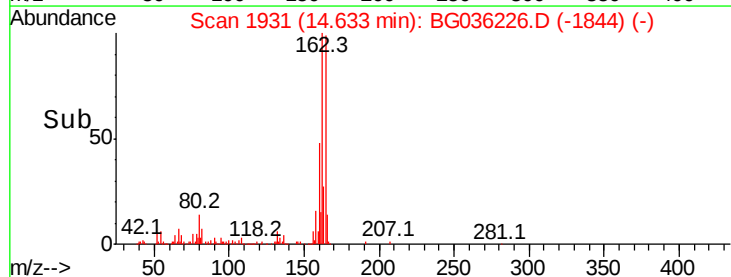
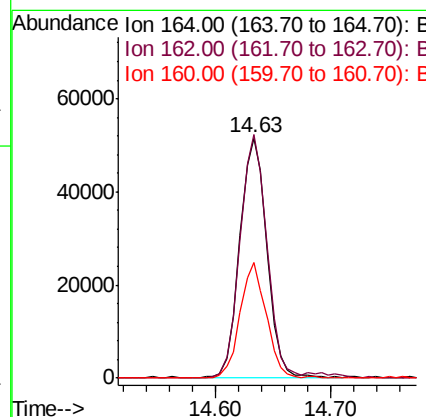
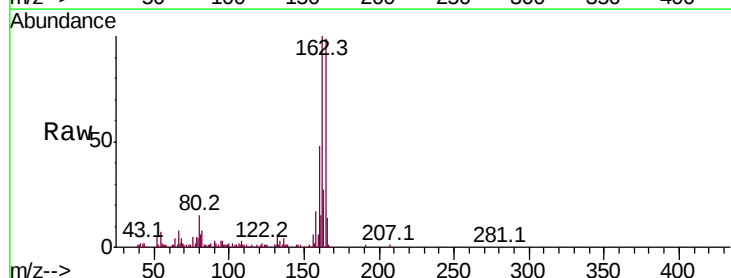
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-01

Tot Ion: 82 Resp: 246437  
 Ion Ratio Lower Upper  
 82 100  
 128 36.7 29.7 44.5  
 54 43.8 43.1 64.7



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.63 min Scan# 1931  
 Delta R.T. -0.02 min  
 Lab File: BG036226.D  
 Acq: 9 Aug 2018 10:27

Tgt Ion: 164 Resp: 83998  
 Ion Ratio Lower Upper  
 164 100  
 162 101.3 78.8 118.2  
 160 48.4 35.4 53.0

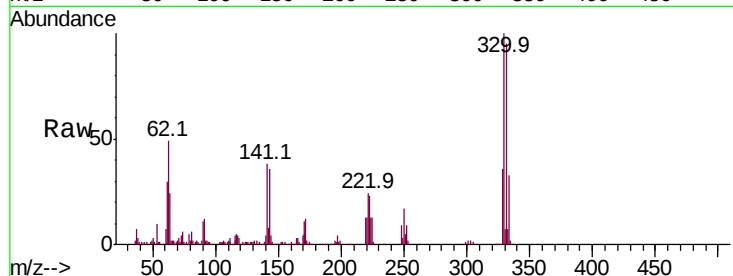




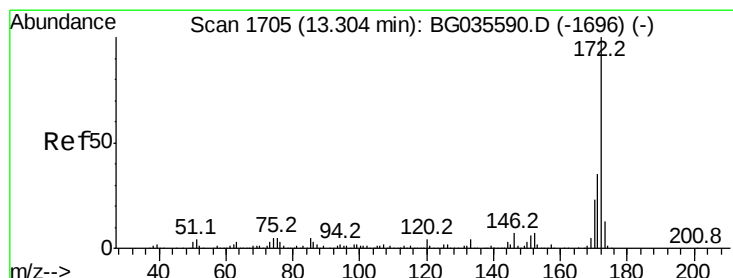
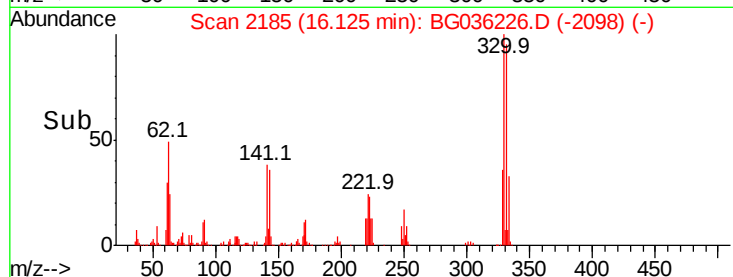
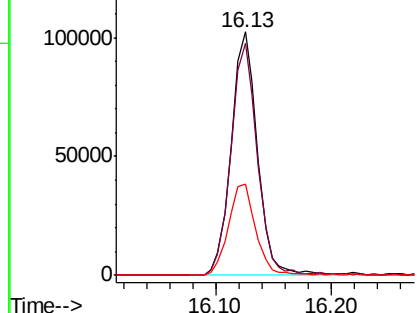
#41  
 2,4,6-Tribromophenol  
 Concen: 145.346 ng  
 RT: 16.13 min Scan# 2185  
 Delta R.T. -0.02 min  
 Lab File: BG036226.D  
 Acq: 9 Aug 2018 10:27

Instrument :  
 BNA\_G  
 ClientSampled :  
 MW-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 77.0  | 115.6 |
| 141     | 39.1  | 25.2  | 37.8# |

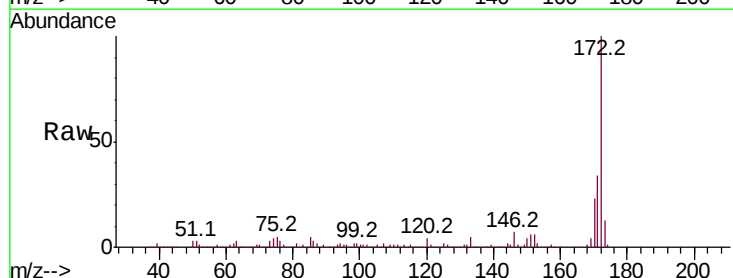


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

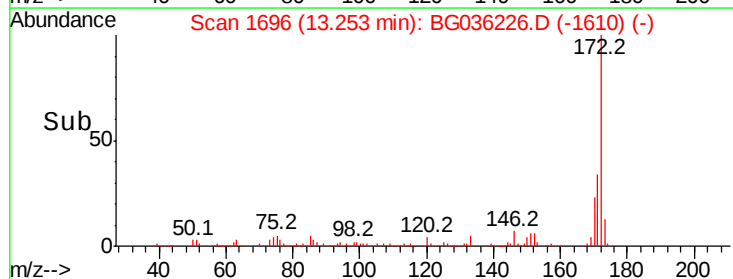
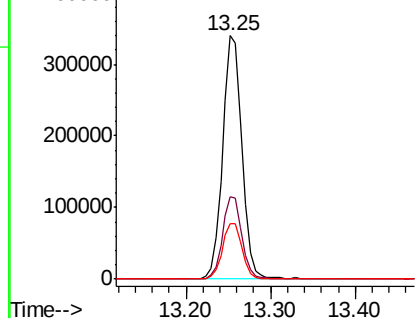


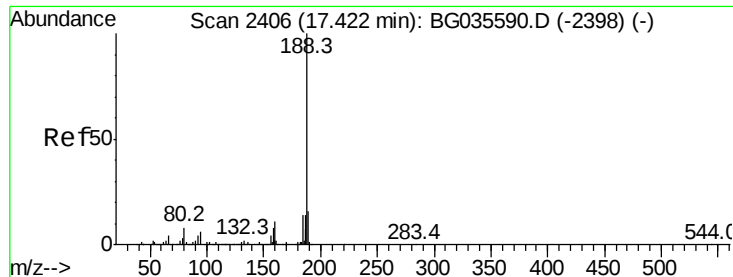
#44  
 2-Fluorobiphenyl  
 Concen: 86.108 ng  
 RT: 13.25 min Scan# 1696  
 Delta R.T. -0.02 min  
 Lab File: BG036226.D  
 Acq: 9 Aug 2018 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.1  | 30.0  | 45.0  |
| 170     | 23.0  | 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: 17.38 min Scan# 2398

Delta R.T. -0.02 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

Instrument :

BNA\_G

ClientSampleId :

MW-01

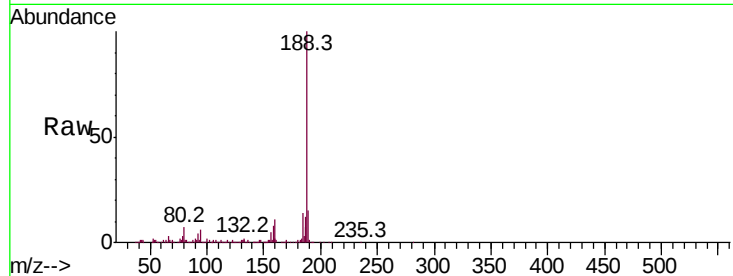
Tot Ion:188 Resp: 215072

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

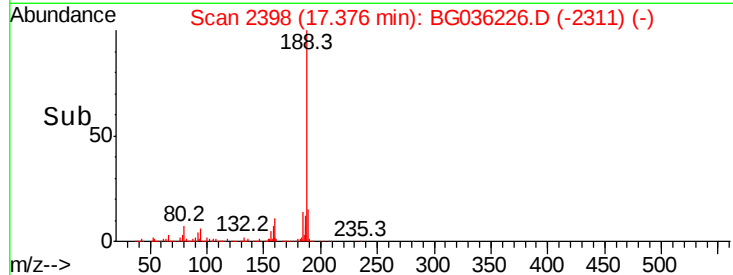
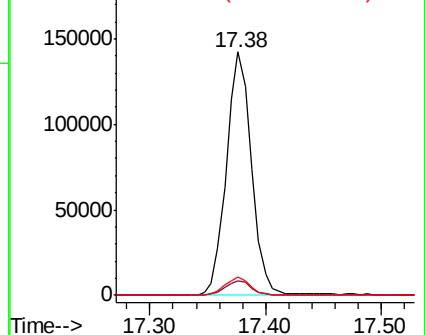
80 7.4 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

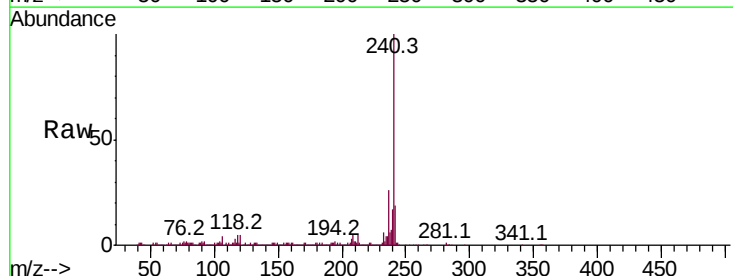
Tgt Ion:240 Resp: 233361

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

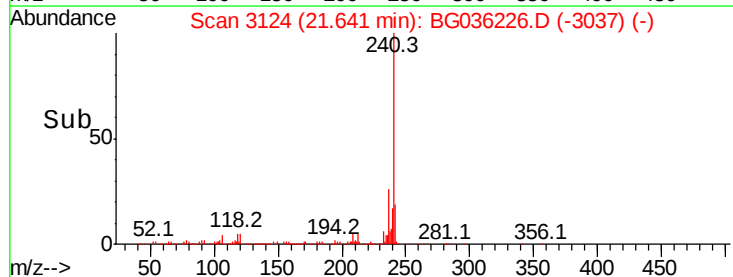
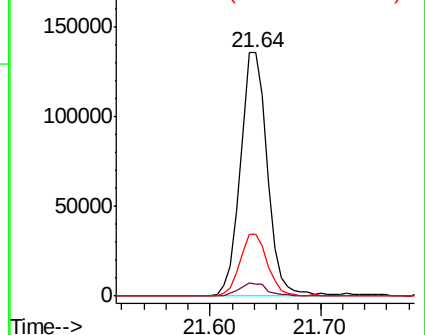
236 25.5 20.9 31.3

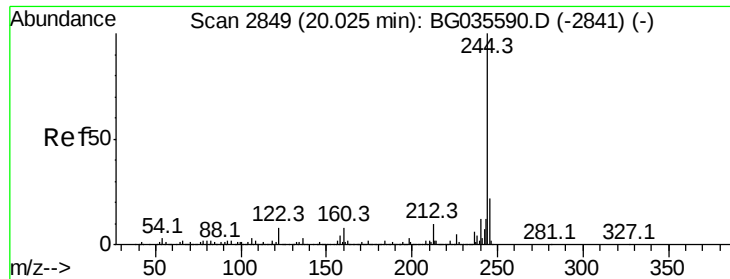


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 91.605 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

Instrument :

BNA\_G

ClientSampleId :

MW-01

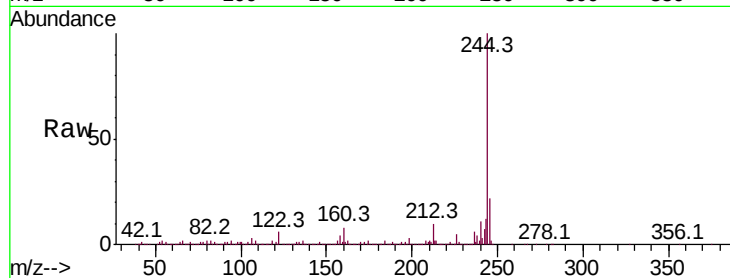
Tot Ion:244 Resp: 969788

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

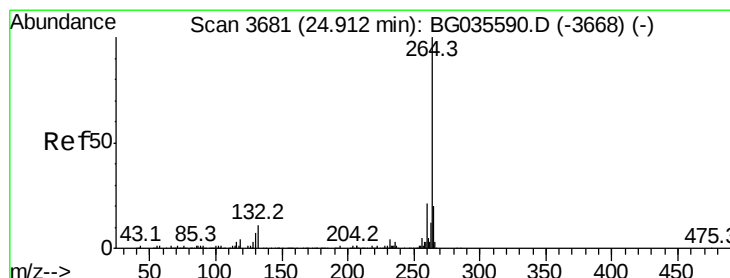
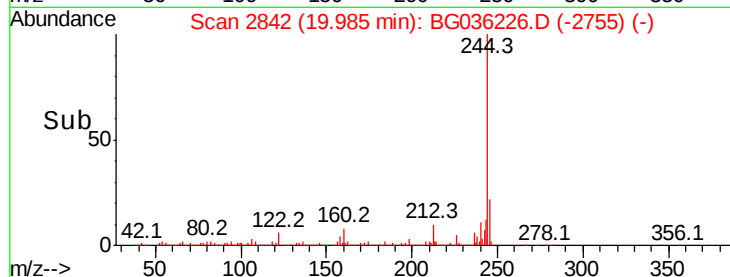
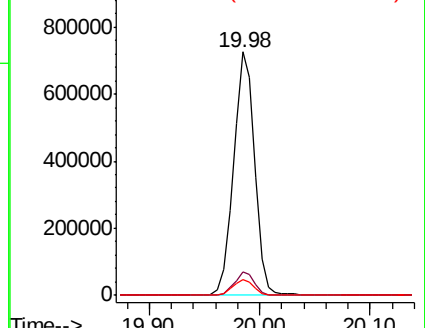
122 6.4 7.0 10.4#



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: 24.83 min Scan# 3666

Delta R.T. -0.04 min

Lab File: BG036226.D

Acq: 9 Aug 2018 10:27

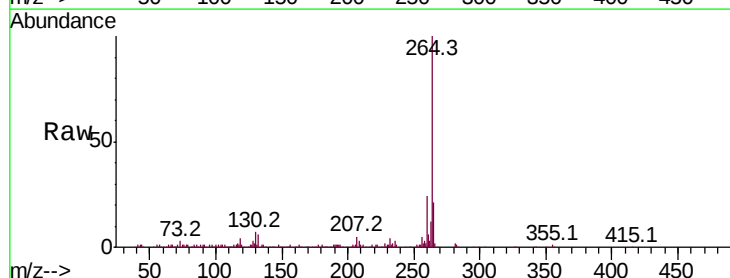
Tgt Ion:264 Resp: 225363

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 20.7 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

