

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061418\  
 Data File : BG035146.D  
 Acq On : 14 Jun 2018 20:28  
 Operator : SJ/JU  
 Sample : J3467-11  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR-MW-03-061218

Quant Time: Jun 15 02:17:13 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.07  | 152  | 43857    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.87 | 136  | 175987   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.69 | 164  | 134606   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.43 | 188  | 360398   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.69 | 240  | 396428   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.93 | 264  | 376586   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 171869   | 66.13  | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 158094   | 41.22  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.22  | 82   | 414531   | 111.97 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.17 | 330  | 309046   | 179.35 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 996962   | 96.28  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.04 | 244  | 1777985  | 93.95  | ng    | 0.00     |

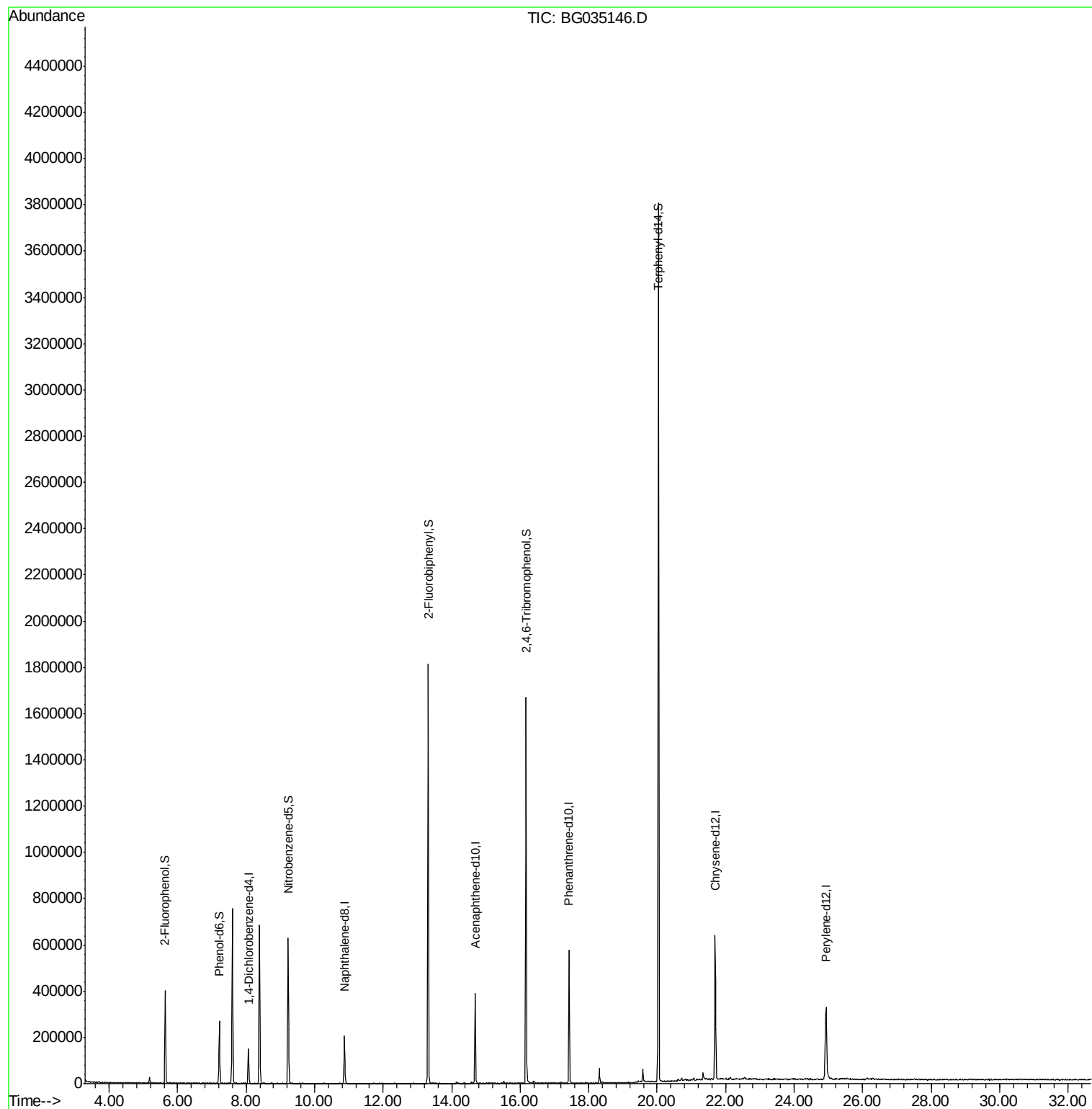
Target Compounds Qvalue

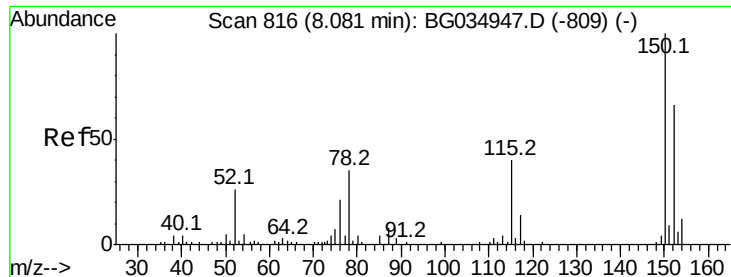
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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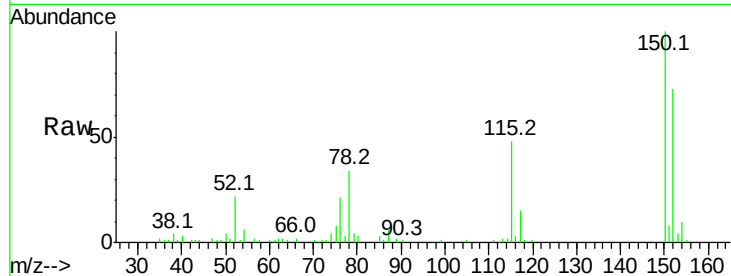


#1

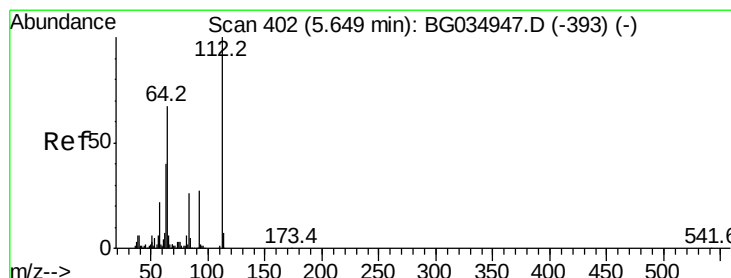
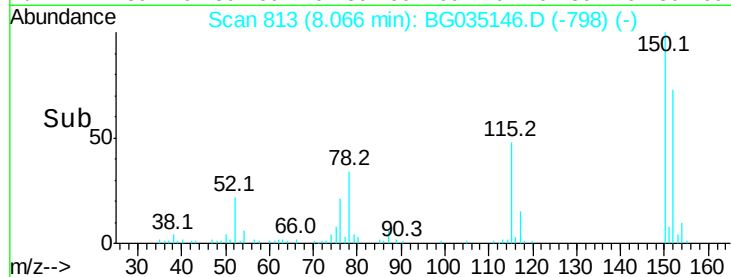
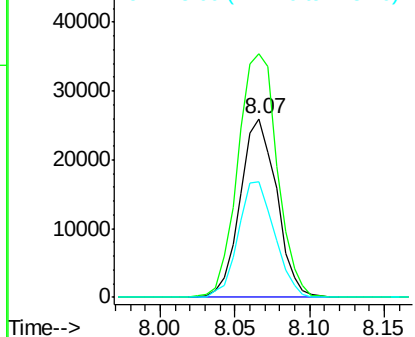
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.07 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BG035146.D  
Acq: 14 Jun 2018 20:28

Instrument :  
BNA\_G  
ClientSampleId :  
PR-MW-03-061218

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 136.3 | 126.6 | 189.8 |
| 115     | 64.9  | 53.0  | 79.4  |



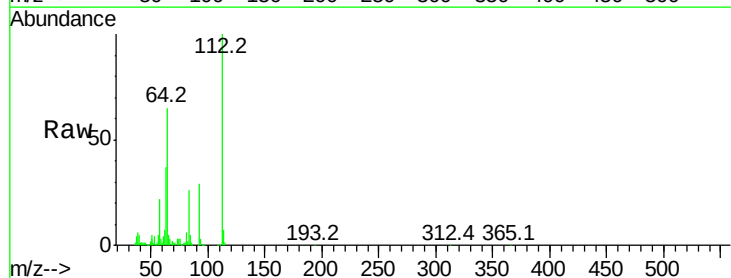
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



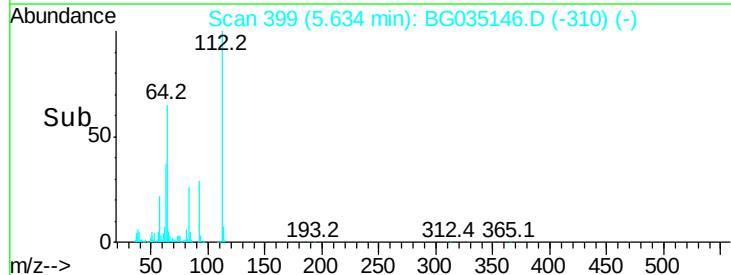
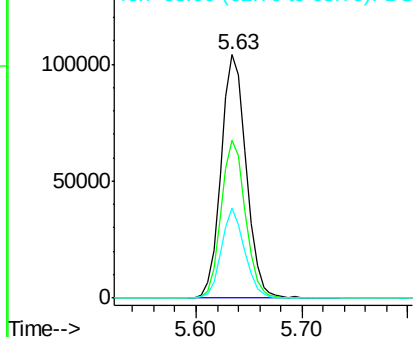
#5

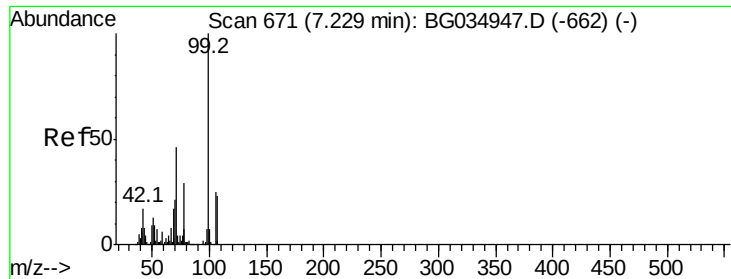
2-Fluorophenol  
Concen: 66.135 ng  
RT: 5.63 min Scan# 399  
Delta R.T. -0.01 min  
Lab File: BG035146.D  
Acq: 14 Jun 2018 20:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.7  | 56.3  | 84.5  |
| 63      | 37.1  | 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: 41.217 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035146.D

Acq: 14 Jun 2018 20:28

Instrument :

BNA\_G

ClientSampleId :

PR-MW-03-061218

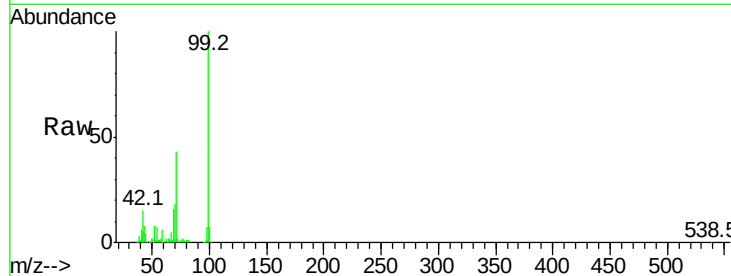
Tot Ion: 99 Resp: 158094

Ion Ratio Lower Upper

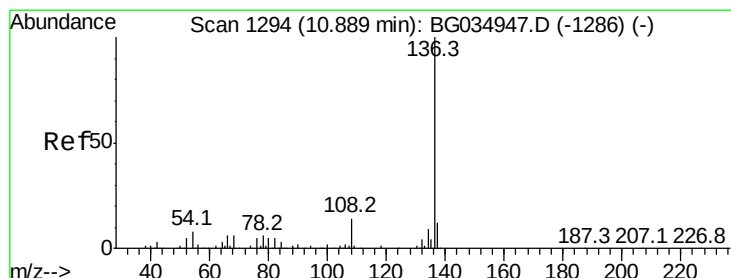
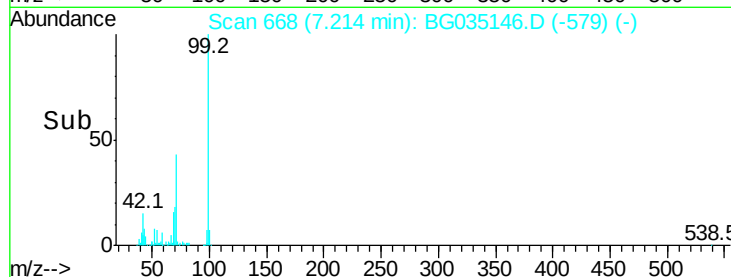
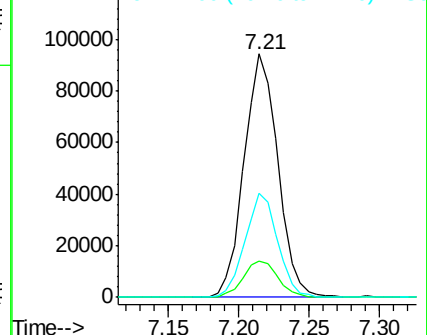
99 100

42 15.1 14.1 21.1

71 42.7 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: 10.87 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BG035146.D

Acq: 14 Jun 2018 20:28

Tgt Ion: 136 Resp: 175987

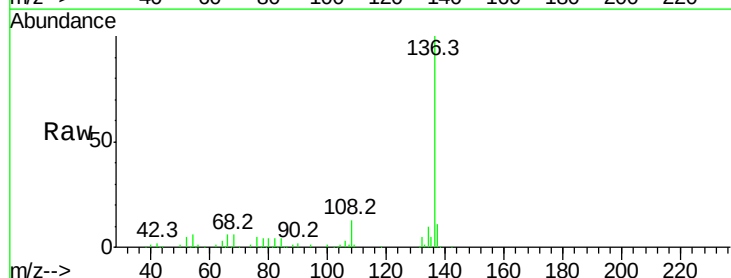
Ion Ratio Lower Upper

136 100

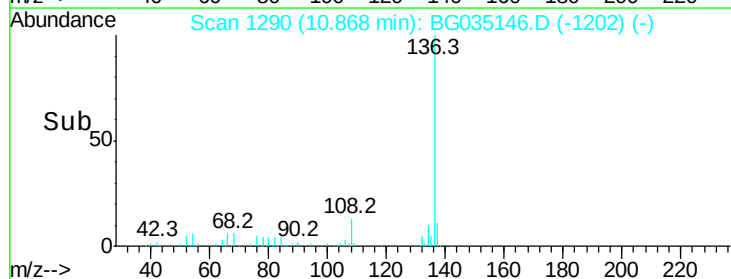
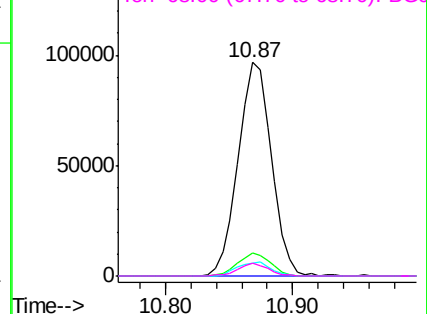
137 10.5 9.2 13.8

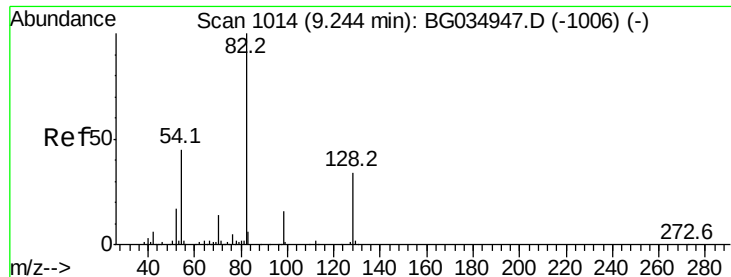
54 6.1 10.3 15.5#

68 5.8 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: 111.965 ng

RT: 9.22 min Scan# 1010

Delta R.T. -0.02 min

Lab File: BG035146.D

Acq: 14 Jun 2018 20:28

Instrument :

BNA\_G

ClientSampleId :

PR-MW-03-061218

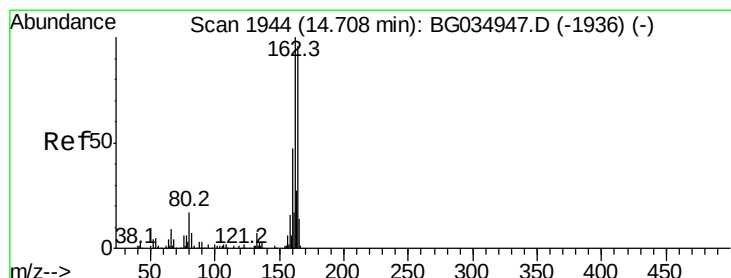
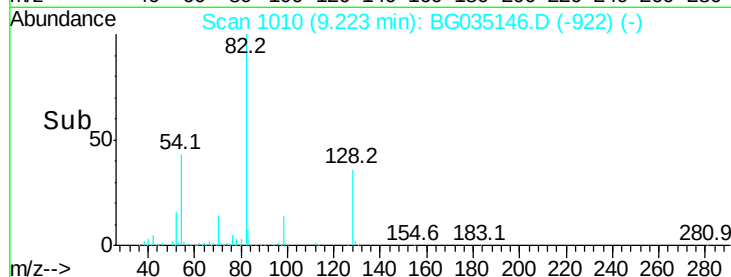
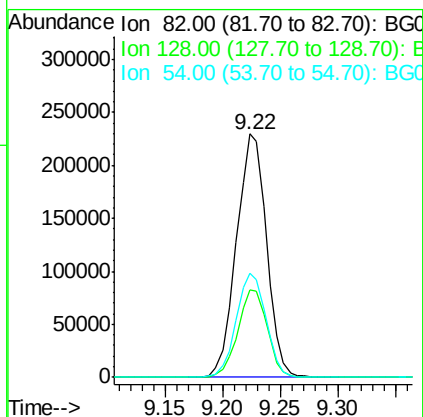
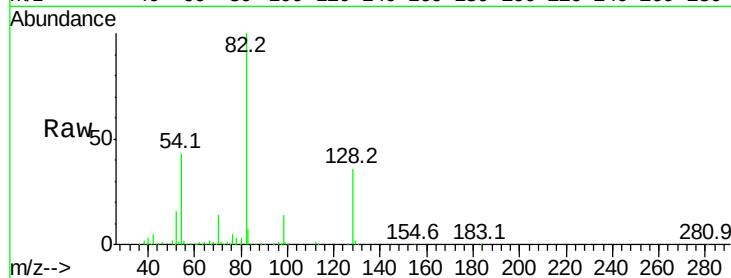
Tot Ion: 82 Resp: 414531

Ion Ratio Lower Upper

82 100

128 36.2 29.7 44.5

54 43.0 43.1 64.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG035146.D

Acq: 14 Jun 2018 20:28

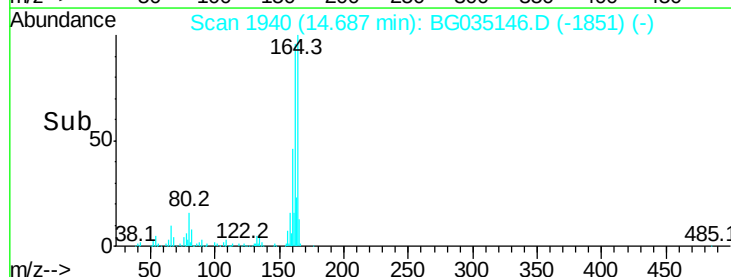
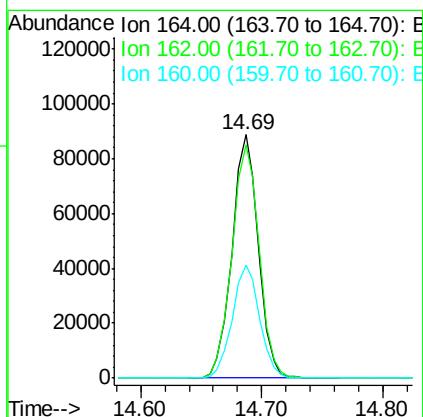
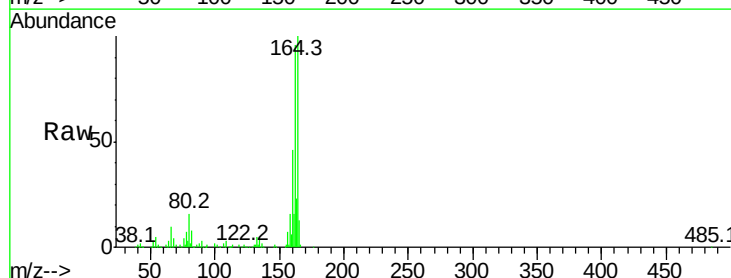
Tgt Ion:164 Resp: 134606

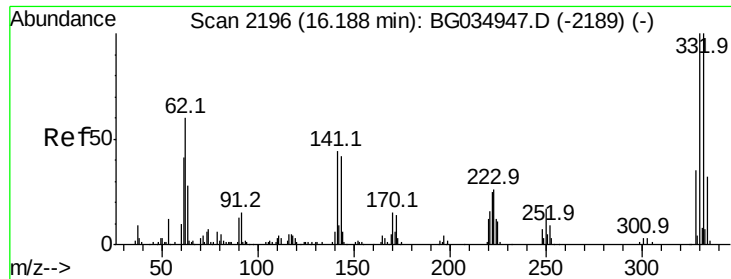
Ion Ratio Lower Upper

164 100

162 95.7 78.8 118.2

160 46.4 35.4 53.0

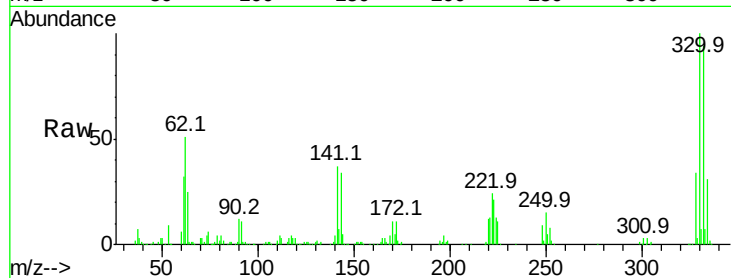




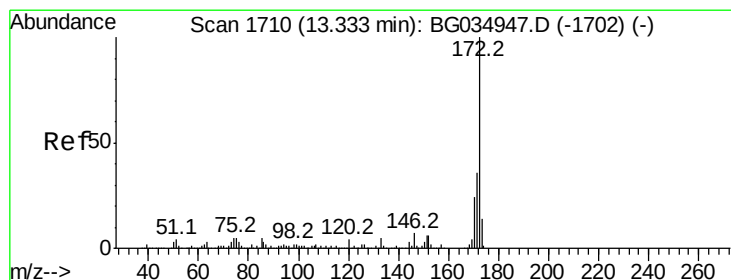
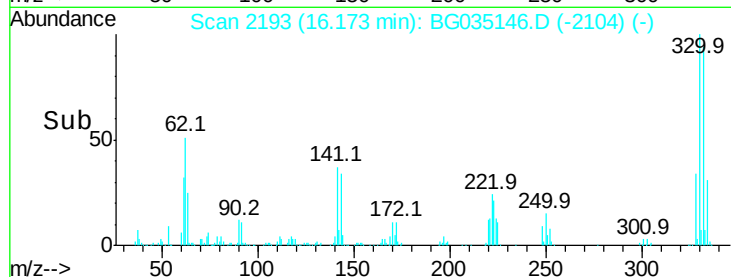
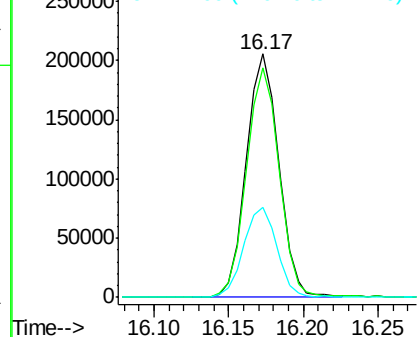
#41  
 2,4,6-Tribromophenol  
 Concen: 179.352 ng  
 RT: 16.17 min Scan# 2193  
 Delta R.T. -0.01 min  
 Lab File: BG035146.D  
 Acq: 14 Jun 2018 20:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR-MW-03-061218

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.1  | 77.0  | 115.6 |
| 141     | 38.2  | 25.2  | 37.8# |

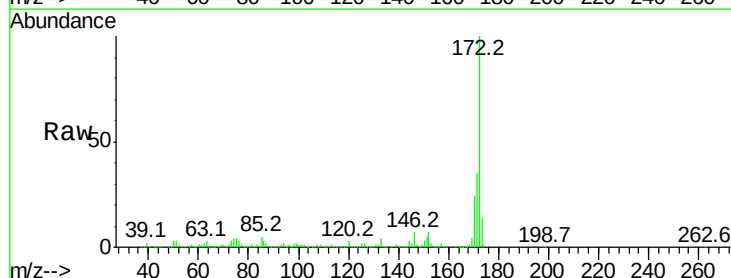


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

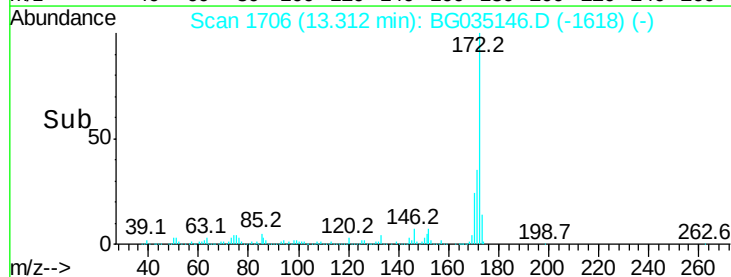
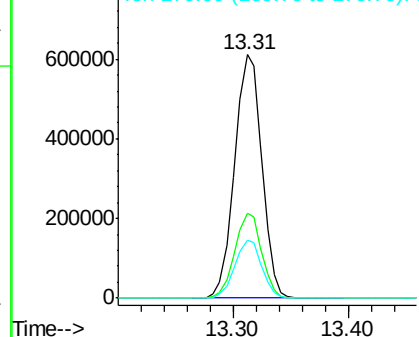


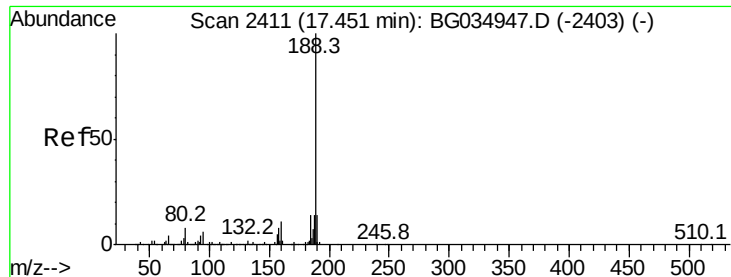
#44  
 2-Fluorobiphenyl  
 Concen: 96.285 ng  
 RT: 13.31 min Scan# 1706  
 Delta R.T. -0.02 min  
 Lab File: BG035146.D  
 Acq: 14 Jun 2018 20:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.9  | 30.0  | 45.0  |
| 170     | 23.7  | 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: 17.43 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BG035146.D

Acq: 14 Jun 2018 20:28

Instrument :

BNA\_G

ClientSampleId :

PR-MW-03-061218

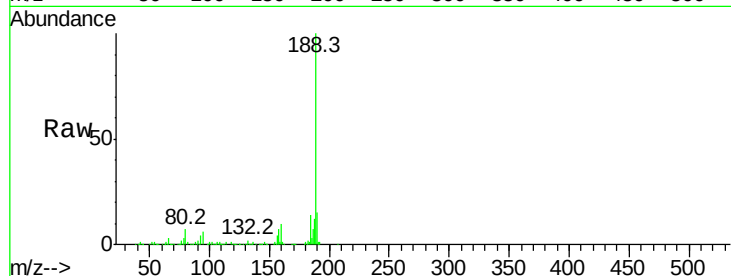
Tot Ion:188 Resp: 360398

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

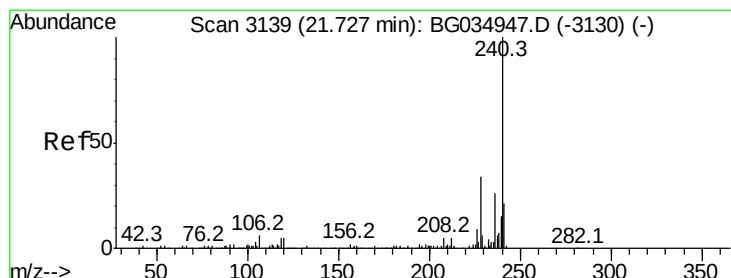
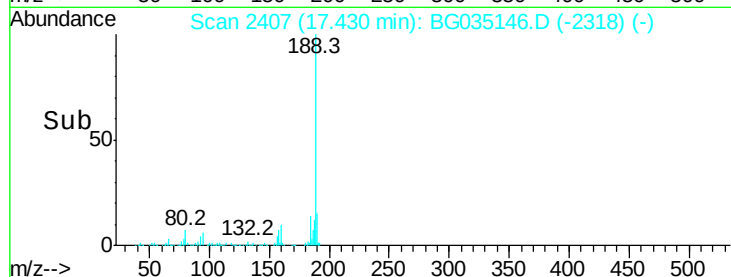
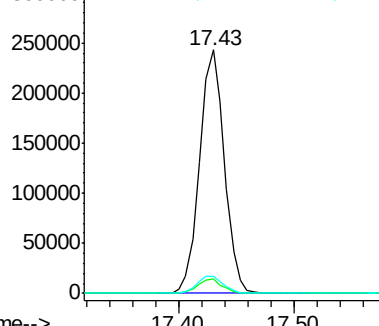
80 7.0 7.7 11.5#



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: 21.69 min Scan# 3133

Delta R.T. -0.02 min

Lab File: BG035146.D

Acq: 14 Jun 2018 20:28

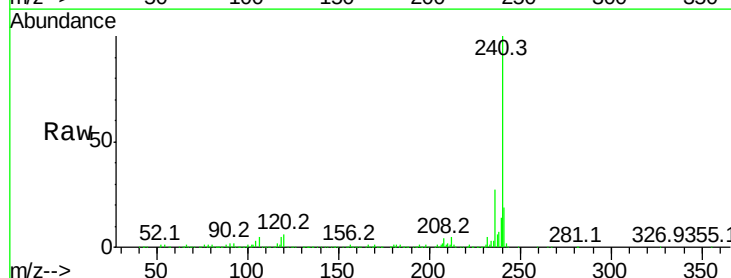
Tgt Ion:240 Resp: 396428

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

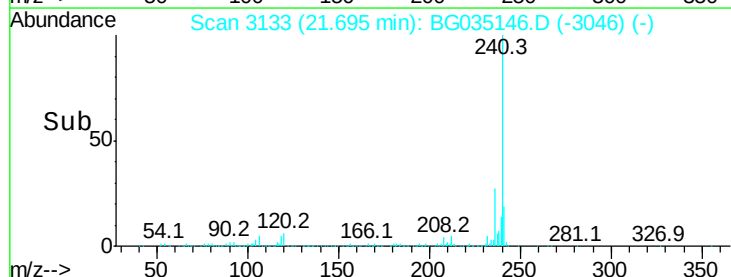
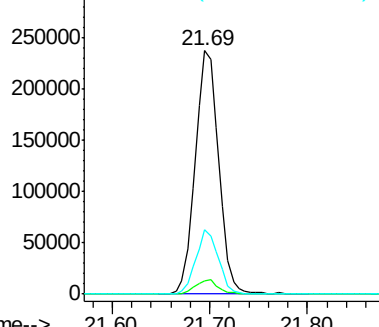
236 26.5 20.9 31.3

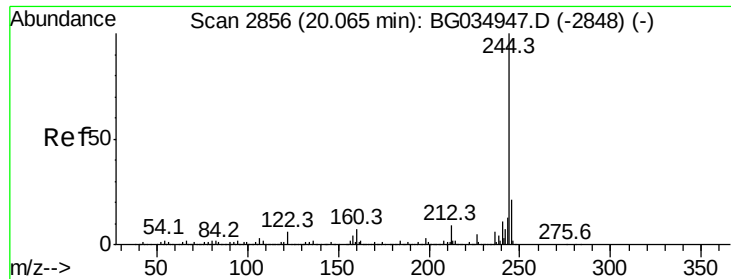


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 93.946 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG035146.D

Acq: 14 Jun 2018 20:28

Instrument :

BNA\_G

ClientSampleId :

PR-MW-03-061218

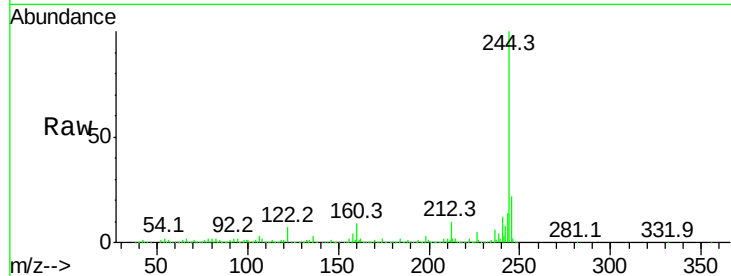
Tot Ion:244 Resp: 1777985

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

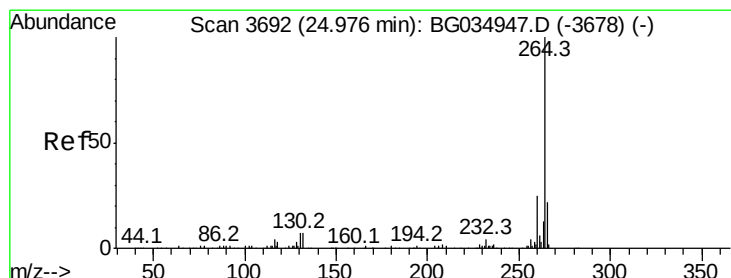
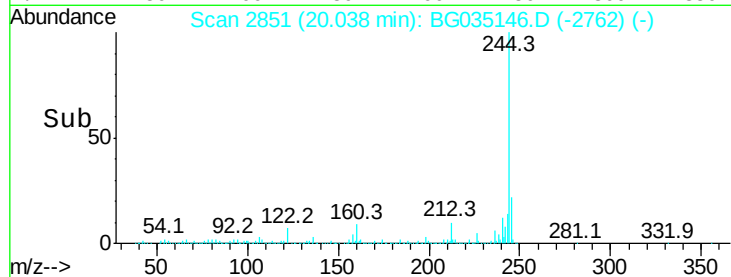
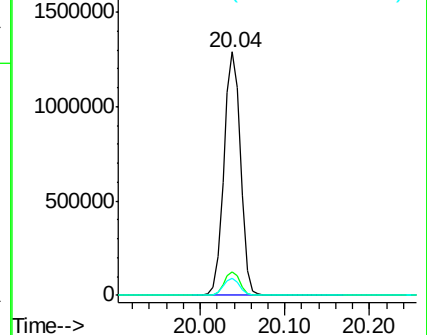
122 7.2 7.0 10.4



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: 24.93 min Scan# 3684

Delta R.T. -0.02 min

Lab File: BG035146.D

Acq: 14 Jun 2018 20:28

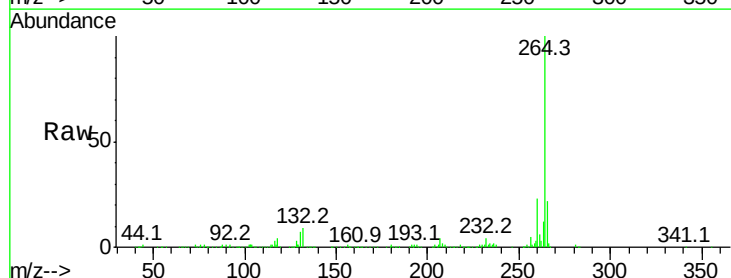
Tgt Ion:264 Resp: 376586

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.0

265 21.8 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

