

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070218\  
 Data File : BG035566.D  
 Acq On : 3 Jul 2018 00:52  
 Operator : JU/SJ  
 Sample : PB110755BL  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB110755BL

Quant Time: Jul 03 05:36:15 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   | 8.06  | 152  | 34270    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.87 | 136  | 123478   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.68 | 164  | 89059    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.42 | 188  | 255194   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.69 | 240  | 301336   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.91 | 264  | 284642   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 322391   | 158.76 | ng    | 0.00     |
| 7) Phenol-d6                | 7.23  | 99   | 468500   | 156.31 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 295203   | 113.64 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.17 | 330  | 200786   | 176.12 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 721154   | 105.27 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.03 | 244  | 1524233  | 105.95 | ng    | -0.02    |

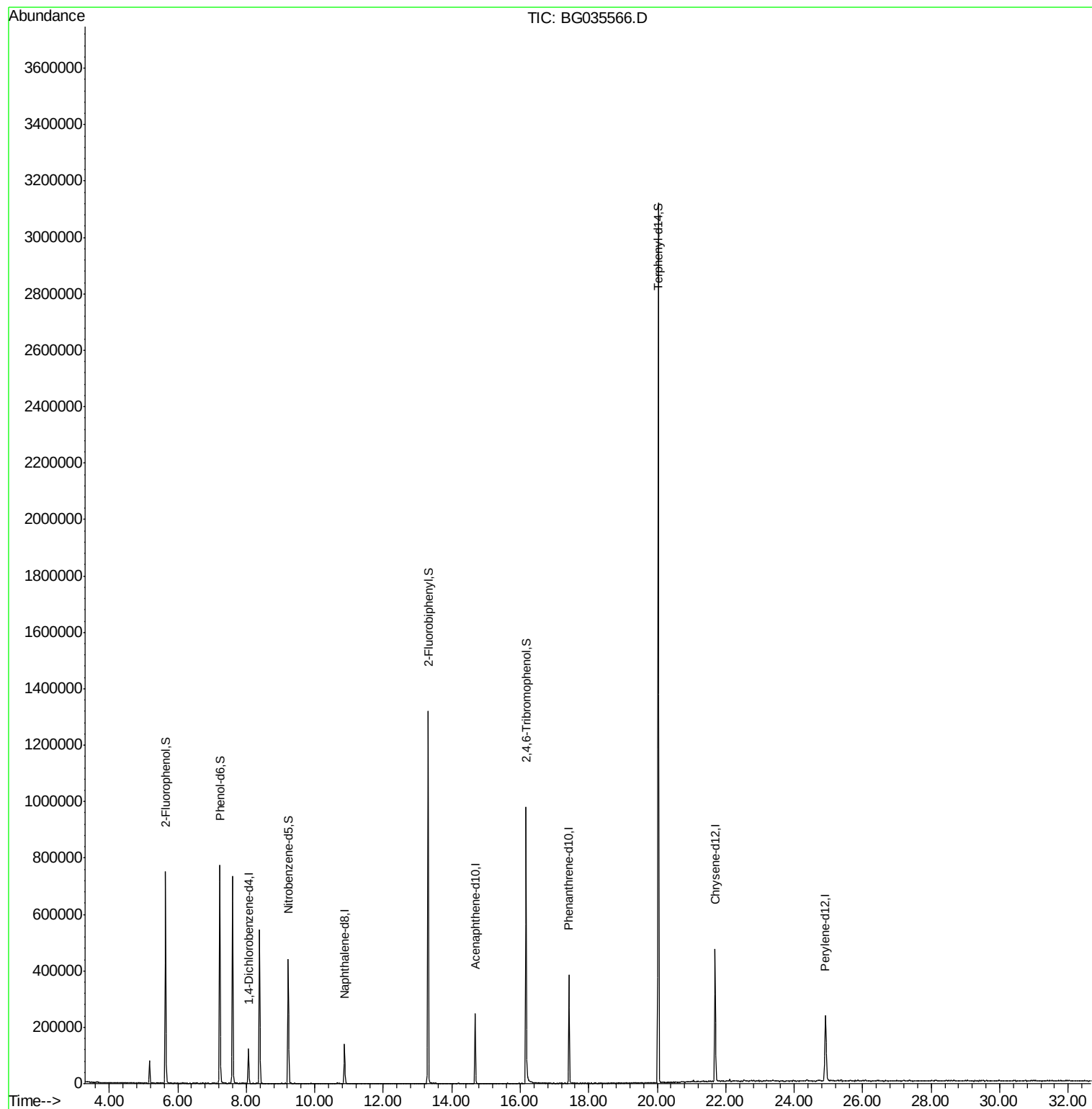
Target Compounds Qvalue

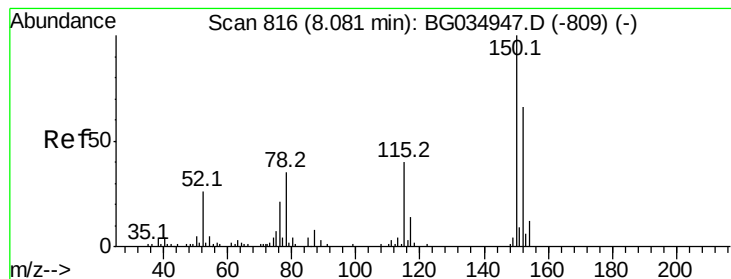
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 08 17:16:28 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.06 min Scan# 813

Delta R.T. -0.01 min

Lab File: BG035566.D

Acq: 3 Jul 2018 00:52

Instrument :

BNA\_G

ClientSampleId :

PB110755BL

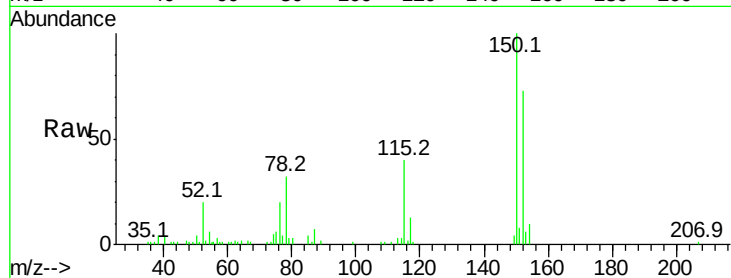
Tot Ion:152 Resp: 34270

Ion Ratio Lower Upper

152 100

150 137.4 126.6 189.8

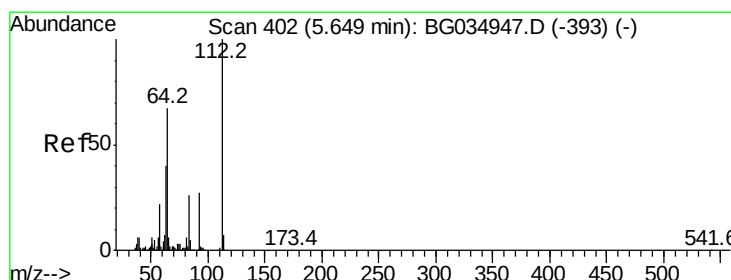
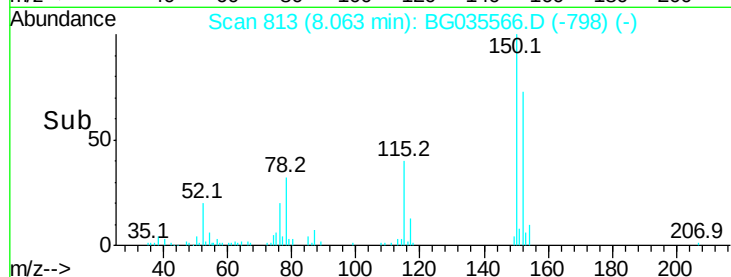
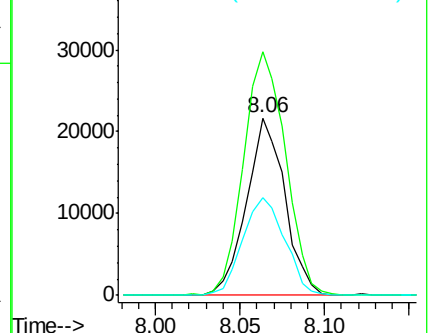
115 55.1 53.0 79.4



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: 158.760 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG035566.D

Acq: 3 Jul 2018 00:52

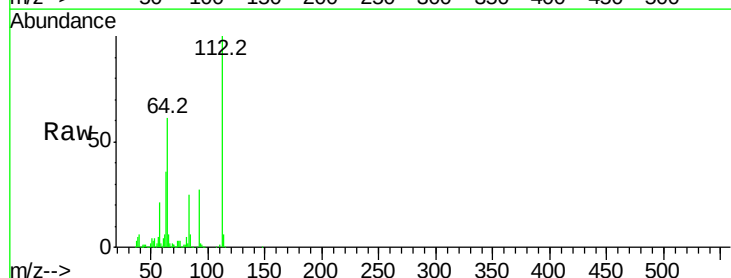
Tgt Ion:112 Resp: 322391

Ion Ratio Lower Upper

112 100

64 61.4 56.3 84.5

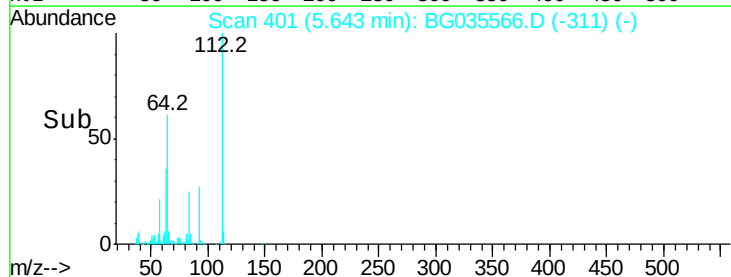
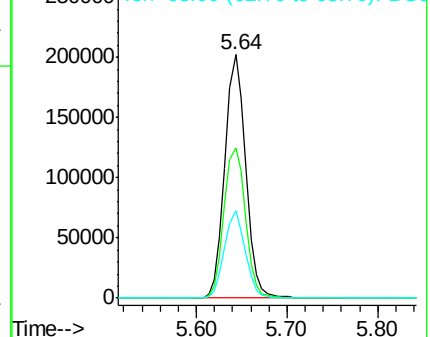
63 35.8 30.1 45.1

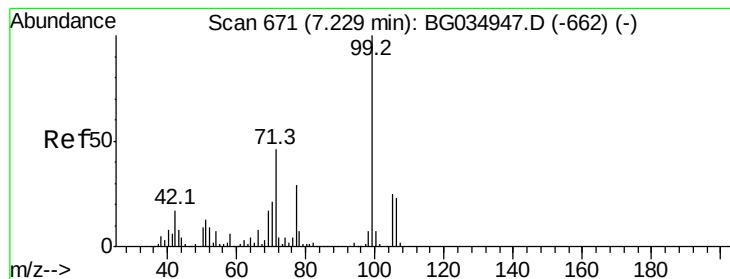


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 156.314 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG035566.D

Acq: 3 Jul 2018 00:52

Instrument :

BNA\_G

ClientSampleId :

PB110755BL

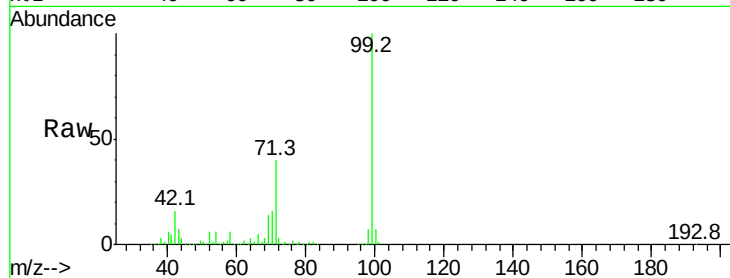
Tot Ion: 99 Resp: 468500

Ion Ratio Lower Upper

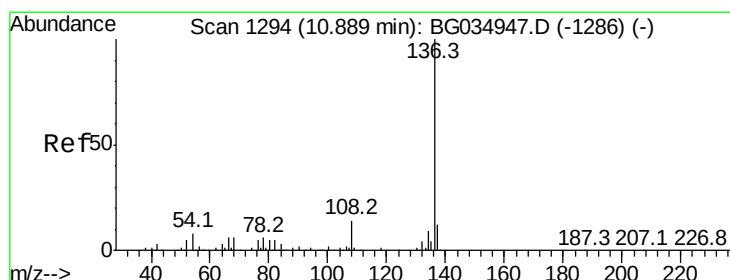
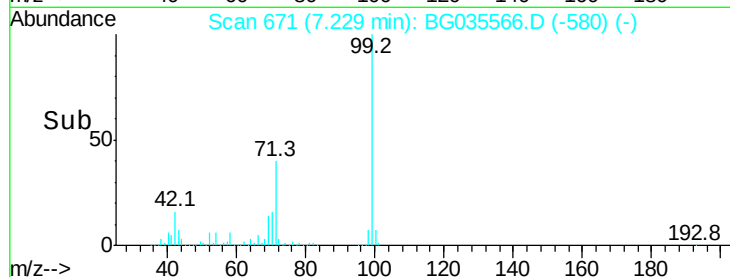
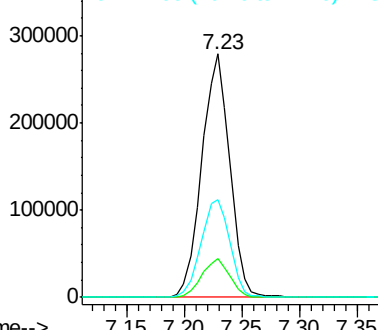
99 100

42 15.7 14.1 21.1

71 40.1 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: BG035566.D

Acq: 3 Jul 2018 00:52

Tgt Ion: 136 Resp: 123478

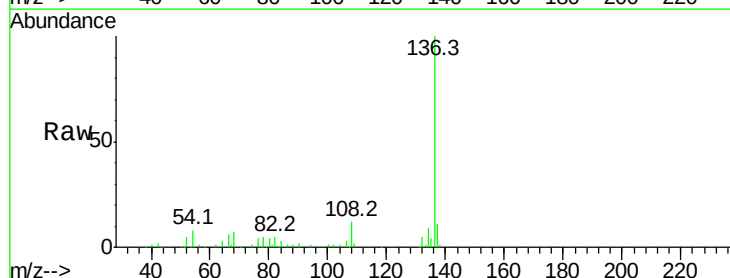
Ion Ratio Lower Upper

136 100

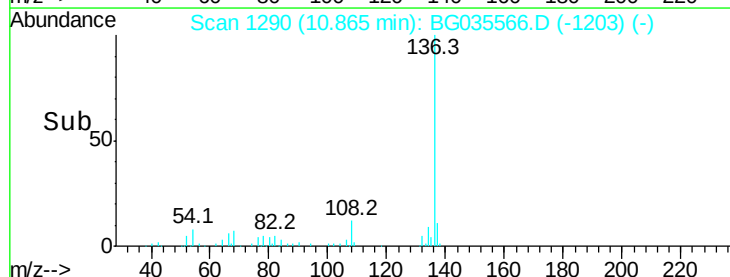
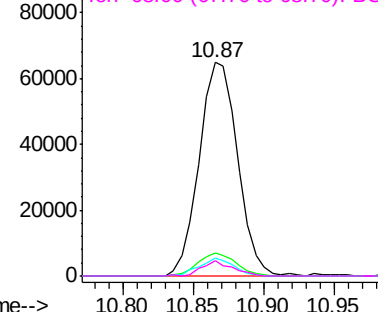
137 10.8 9.2 13.8

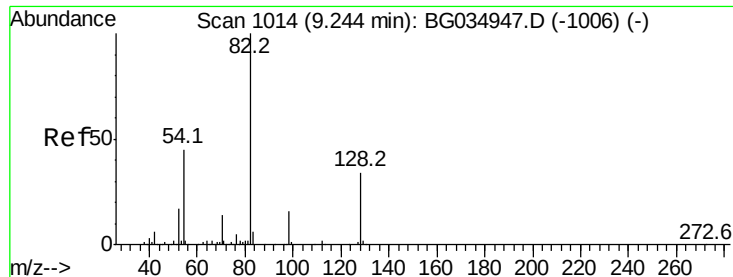
54 8.5 10.3 15.5#

68 7.0 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: 113.642 ng

RT: 9.23 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BG035566.D

Acq: 3 Jul 2018 00:52

Instrument :

BNA\_G

ClientSampleId :

PB110755BL

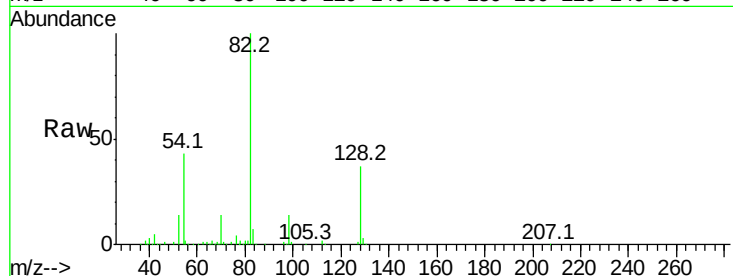
Tot Ion: 82 Resp: 295203

Ion Ratio Lower Upper

82 100

128 36.7 29.7 44.5

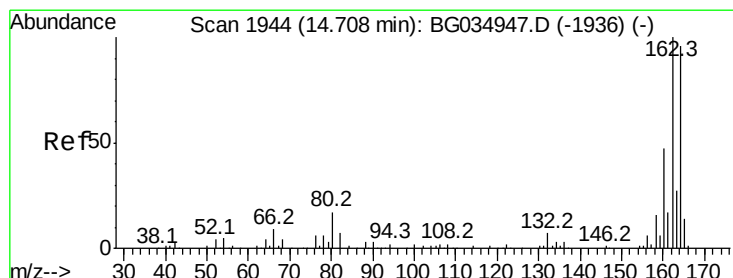
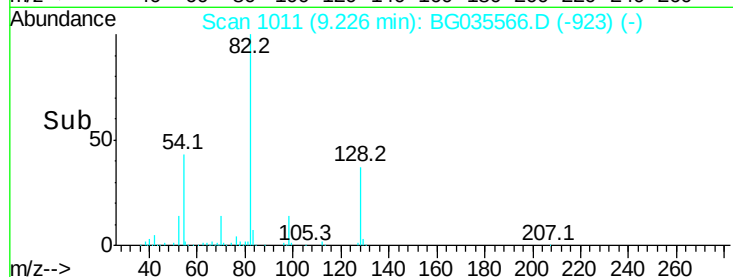
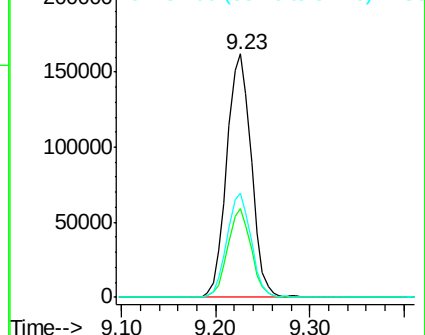
54 43.0 43.1 64.7#



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: 14.68 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG035566.D

Acq: 3 Jul 2018 00:52

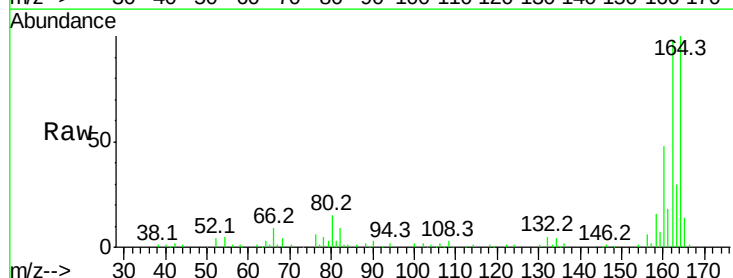
Tgt Ion:164 Resp: 89059

Ion Ratio Lower Upper

164 100

162 98.3 78.8 118.2

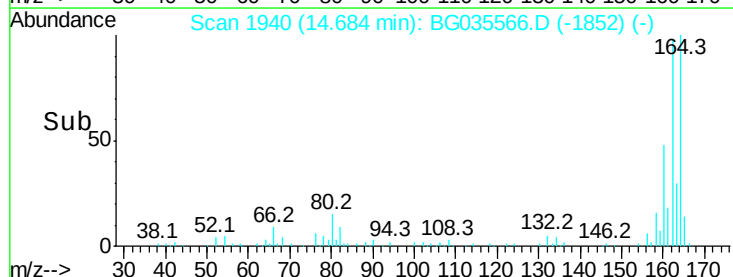
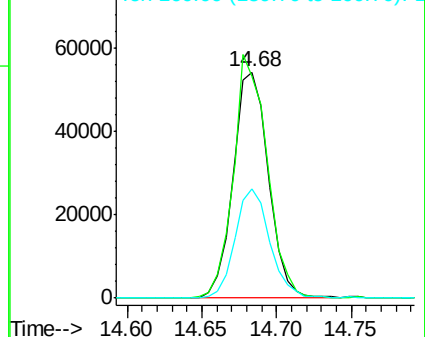
160 48.4 35.4 53.0

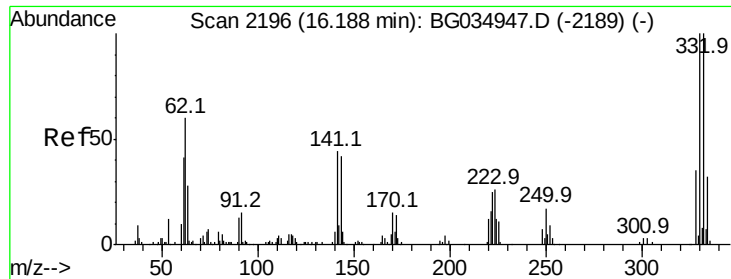


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

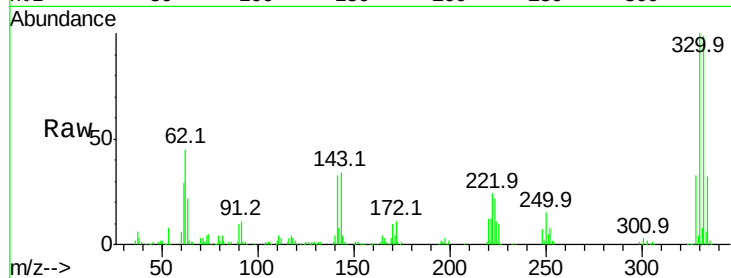




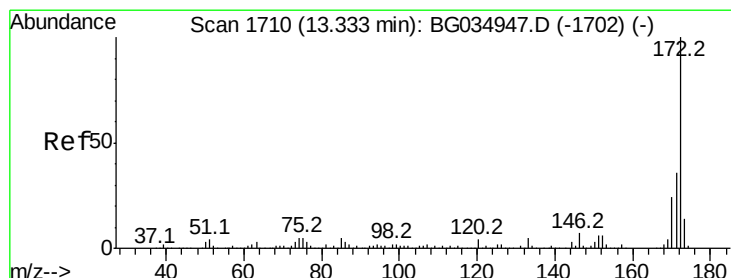
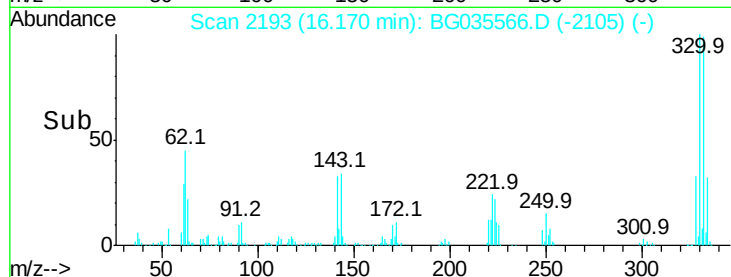
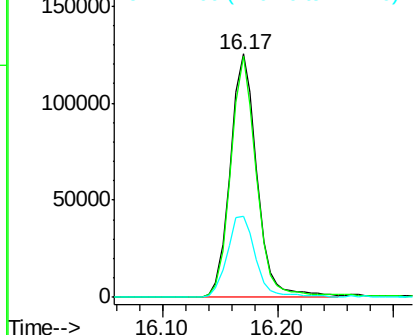
#41  
 2,4,6-Tribromophenol  
 Concen: 176.118 ng  
 RT: 16.17 min Scan# 2193  
 Delta R.T. -0.01 min  
 Lab File: BG035566.D  
 Acq: 3 Jul 2018 00:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB110755BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 77.0  | 115.6 |
| 141     | 35.5  | 25.2  | 37.8  |

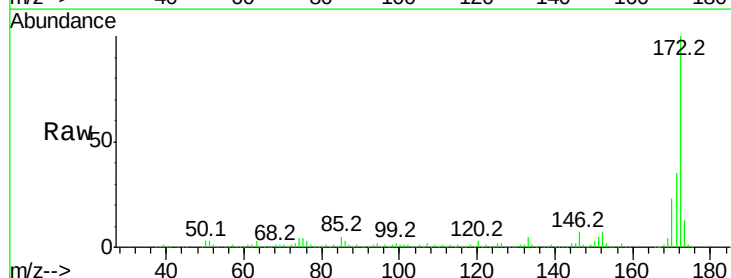


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

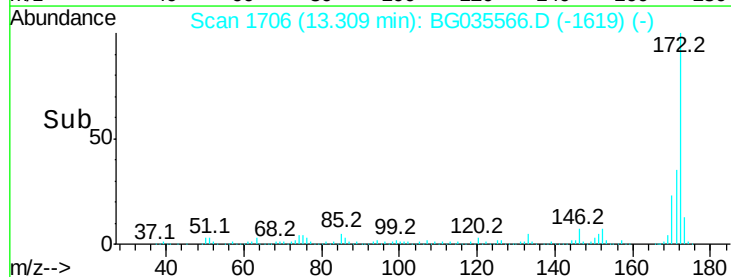
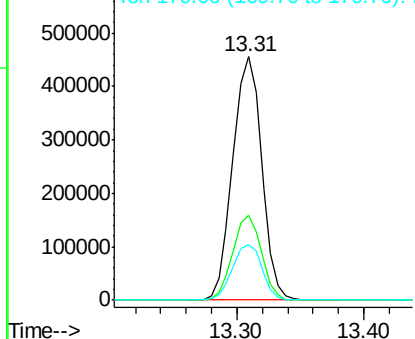


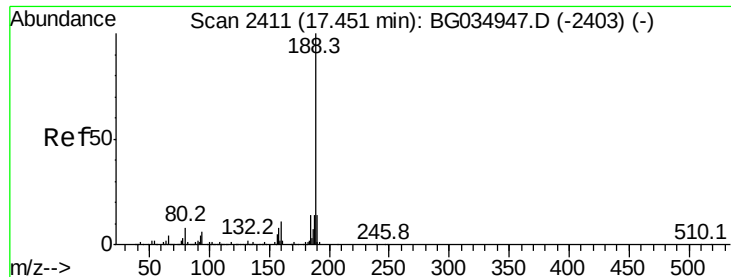
#44  
 2-Fluorobiphenyl  
 Concen: 105.267 ng  
 RT: 13.31 min Scan# 1706  
 Delta R.T. -0.02 min  
 Lab File: BG035566.D  
 Acq: 3 Jul 2018 00:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.7  | 30.0  | 45.0  |
| 170     | 22.8  | 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: 17.42 min Scan# 2406

Delta R.T. -0.02 min

Lab File: BG035566.D

Acq: 3 Jul 2018 00:52

Instrument :

BNA\_G

ClientSampleId :

PB110755BL

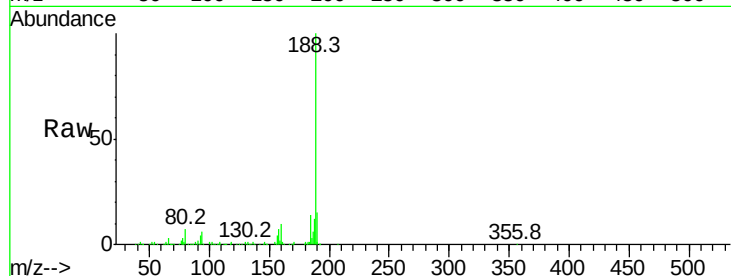
Tot Ion:188 Resp: 255194

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

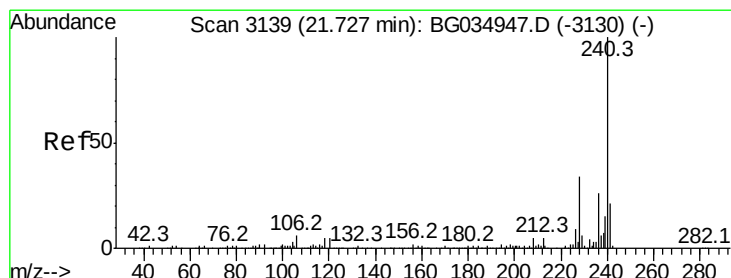
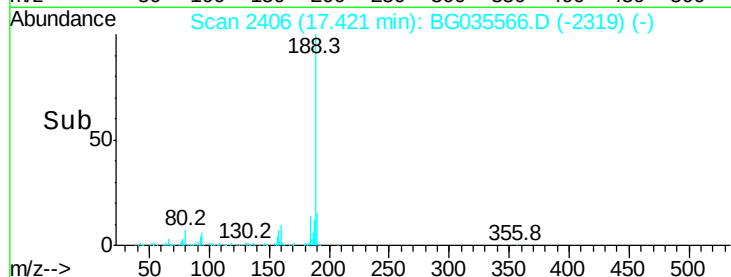
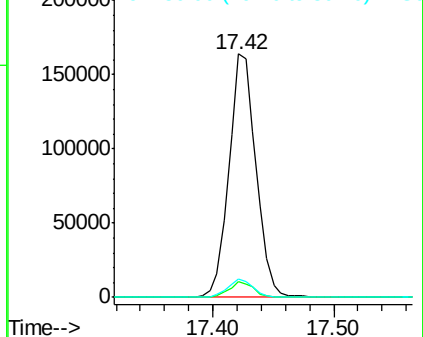
80 7.4 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3133

Delta R.T. -0.02 min

Lab File: BG035566.D

Acq: 3 Jul 2018 00:52

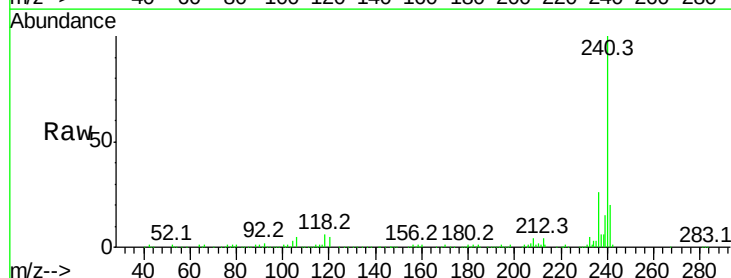
Tgt Ion:240 Resp: 301336

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

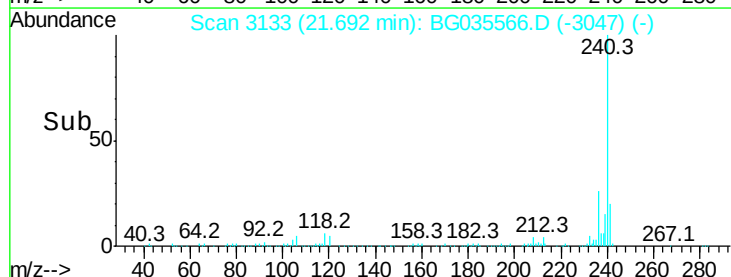
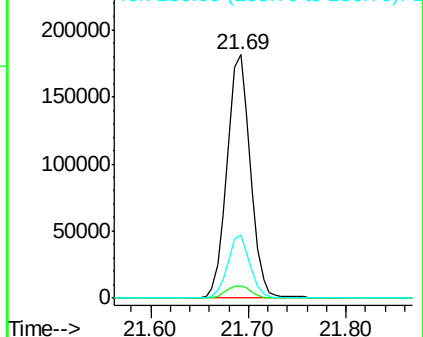
236 26.0 20.9 31.3

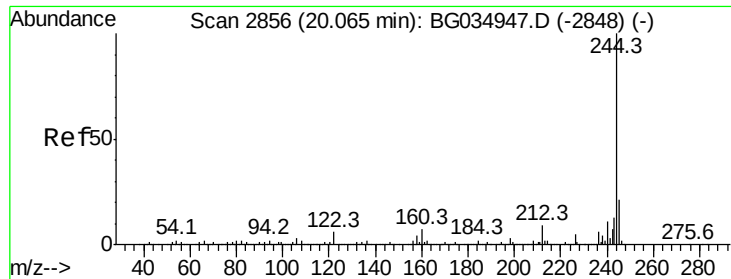


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 105.954 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035566.D

Acq: 3 Jul 2018 00:52

Instrument :

BNA\_G

ClientSampleId :

PB110755BL

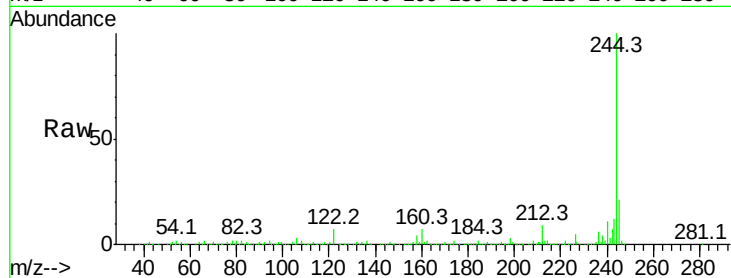
Tot Ion:244 Resp: 1524233

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

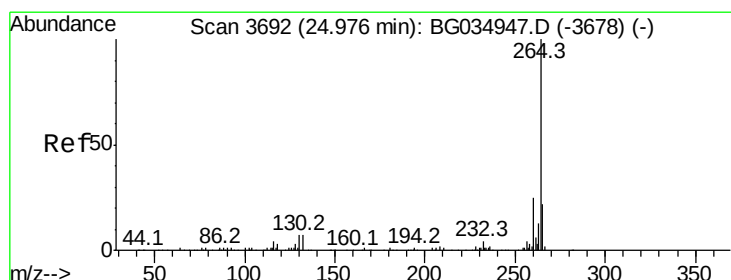
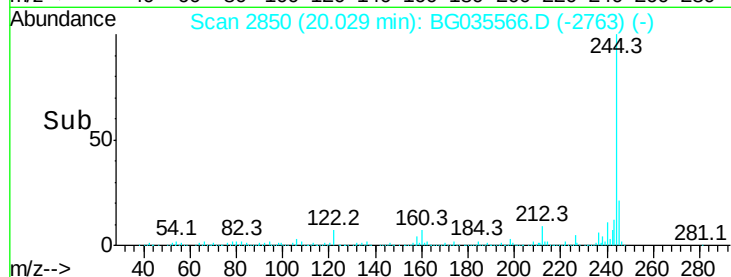
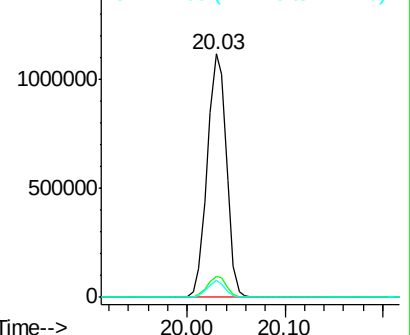
122 6.8 7.0 10.4#



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: 24.91 min Scan# 3681

Delta R.T. -0.04 min

Lab File: BG035566.D

Acq: 3 Jul 2018 00:52

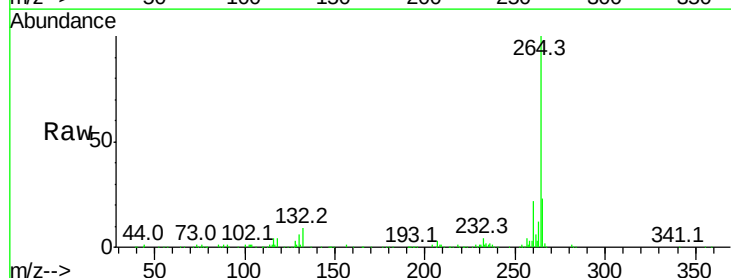
Tgt Ion:264 Resp: 284642

Ion Ratio Lower Upper

264 100

260 22.2 17.4 26.0

265 22.8 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

