

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062118\  
 Data File : BG035321.D  
 Acq On : 22 Jun 2018 6:20  
 Operator : JU/SJ  
 Sample : J3603-14  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 26KV-TP-10

Quant Time: Jun 22 09:29:07 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  | 50447    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.86 | 136  | 169555   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.68 | 164  | 117639   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.42 | 188  | 325779   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.69 | 240  | 363485   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 24.90 | 264  | 342477   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 416271   | 139.26 | ng    | -0.01    |
| 7) Phenol-d6                | 7.22  | 99   | 534536   | 121.16 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 424564   | 119.03 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 287177   | 190.70 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.30 | 172  | 933702   | 103.18 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.02 | 244  | 1796555  | 103.53 | ng    | -0.02    |

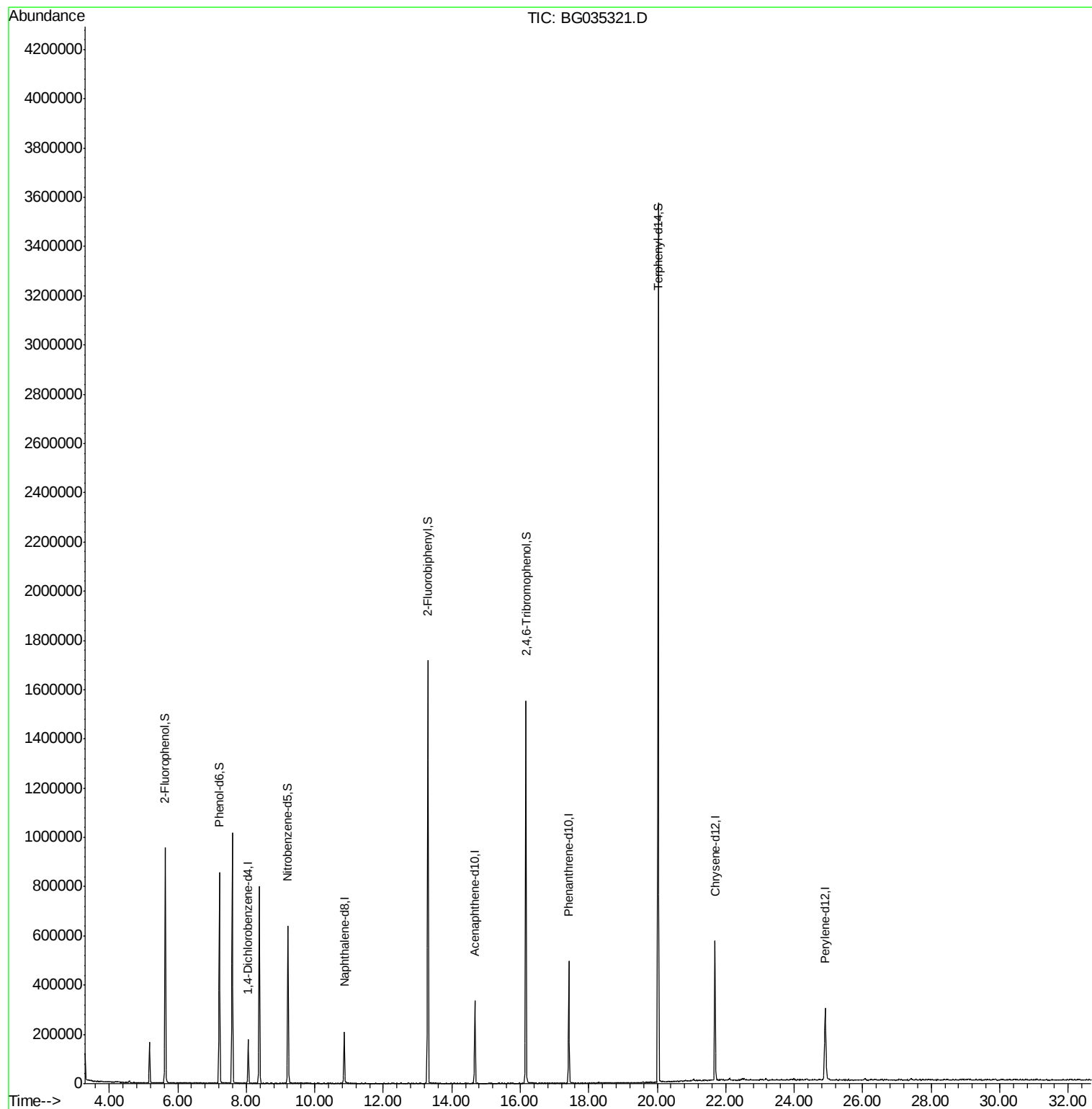
Target Compounds Qvalue

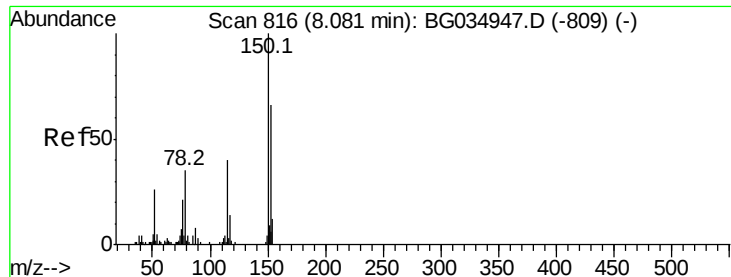
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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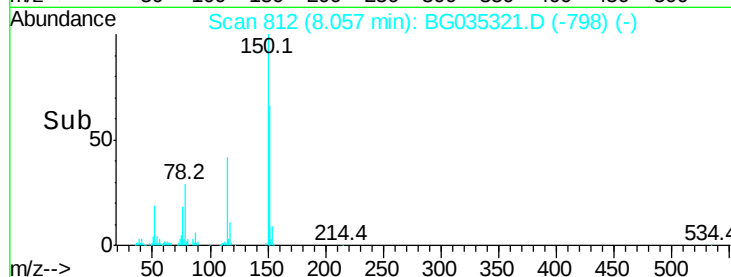
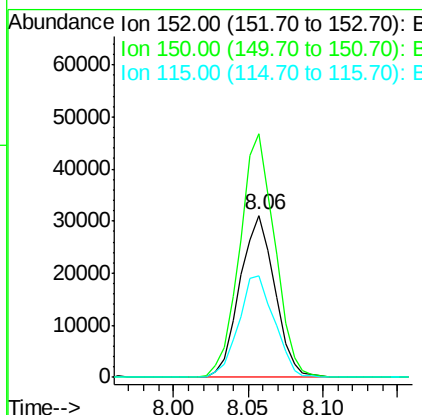
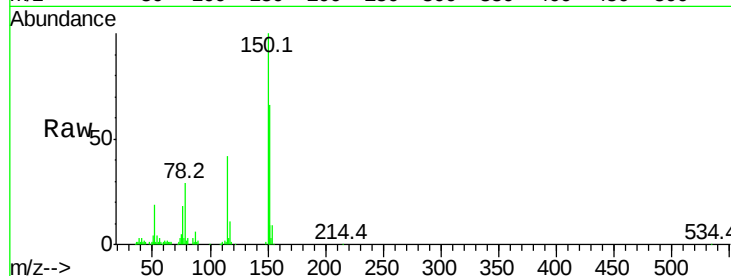


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 812  
Delta R.T. -0.02 min  
Lab File: BG035321.D  
Acq: 22 Jun 2018 6:20

Instrument :  
BNA\_G  
ClientSampleId :  
26KV-TP-10

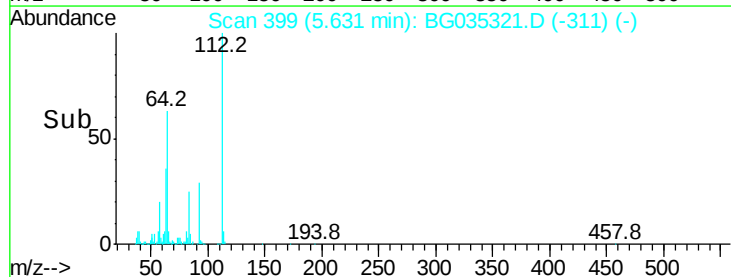
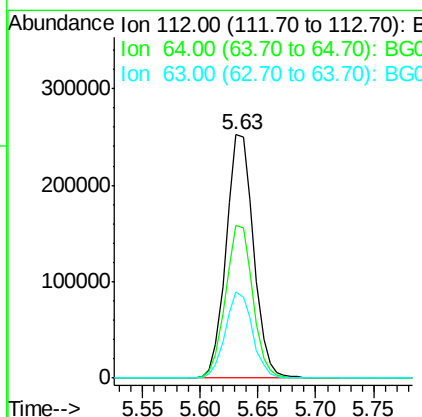
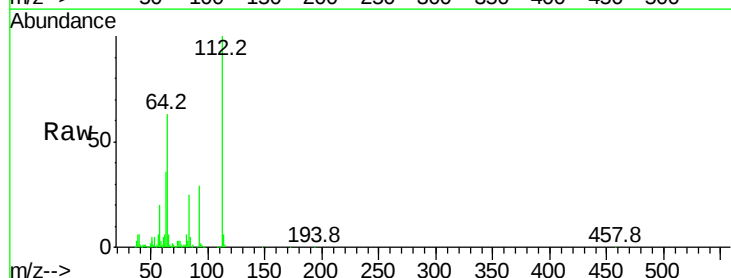
Tot Ion:152 Resp: 50447  
Ion Ratio Lower Upper  
152 100  
150 150.5 126.6 189.8  
115 62.8 53.0 79.4

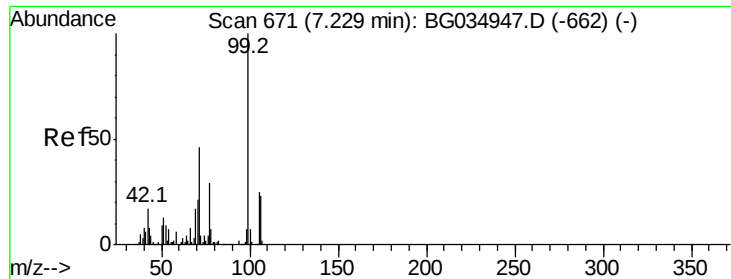


#5

2-Fluorophenol  
Concen: 139.255 ng  
RT: 5.63 min Scan# 399  
Delta R.T. -0.01 min  
Lab File: BG035321.D  
Acq: 22 Jun 2018 6:20

Tgt Ion:112 Resp: 416271  
Ion Ratio Lower Upper  
112 100  
64 62.8 56.3 84.5  
63 35.6 30.1 45.1





#7

Phenol-d6

Concen: 121.156 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035321.D

Acq: 22 Jun 2018 6:20

Instrument :

BNA\_G

ClientSampleId :

26KV-TP-10

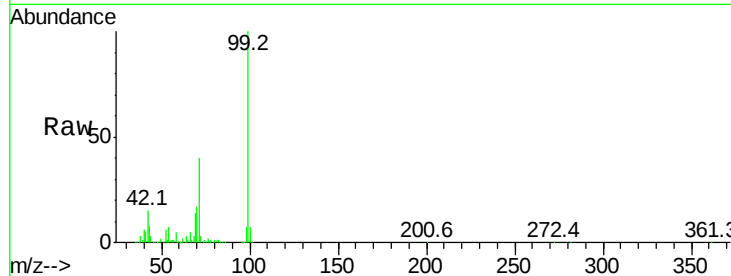
Tot Ion: 99 Resp: 534536

Ion Ratio Lower Upper

99 100

42 14.9 14.1 21.1

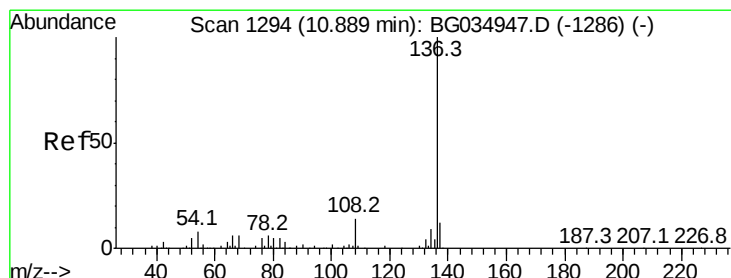
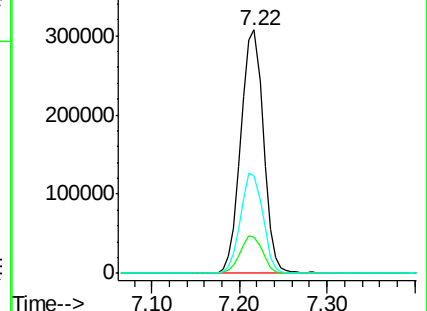
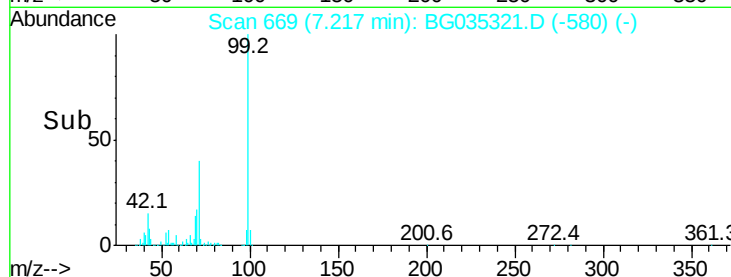
71 40.0 26.1 39.1#



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: 10.86 min Scan# 1289

Delta R.T. -0.02 min

Lab File: BG035321.D

Acq: 22 Jun 2018 6:20

Tgt Ion: 136 Resp: 169555

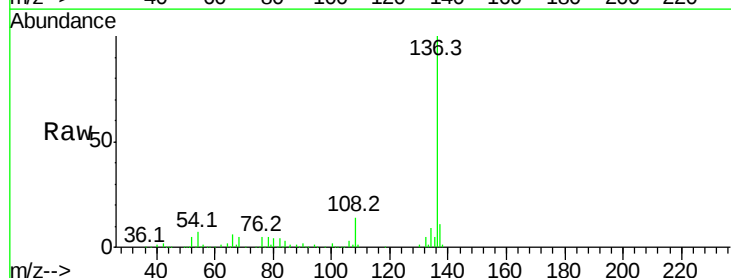
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 7.0 10.3 15.5#

68 4.8 4.5 6.7

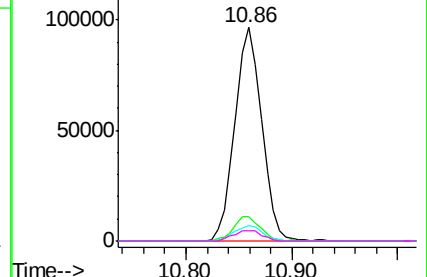
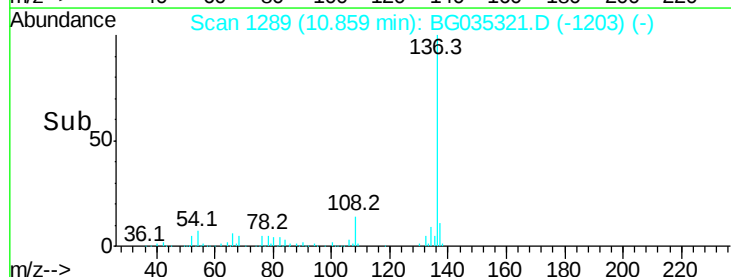


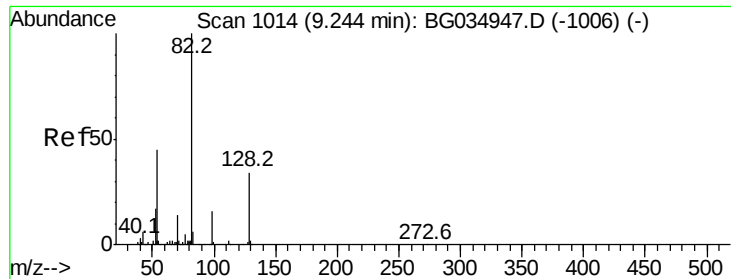
Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 119.026 ng

RT: 9.21 min Scan# 1009

Delta R.T. -0.02 min

Lab File: BG035321.D

Acq: 22 Jun 2018 6:20

Instrument :

BNA\_G

ClientSampleId :

26KV-TP-10

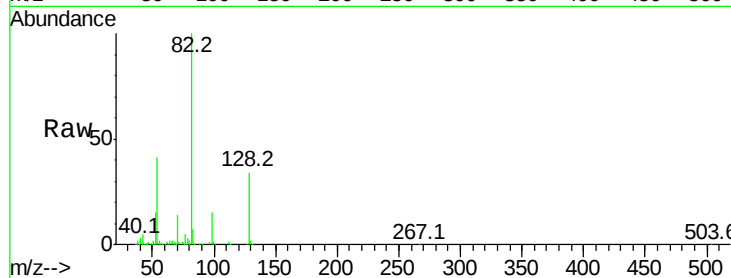
Tot Ion: 82 Resp: 424564

Ion Ratio Lower Upper

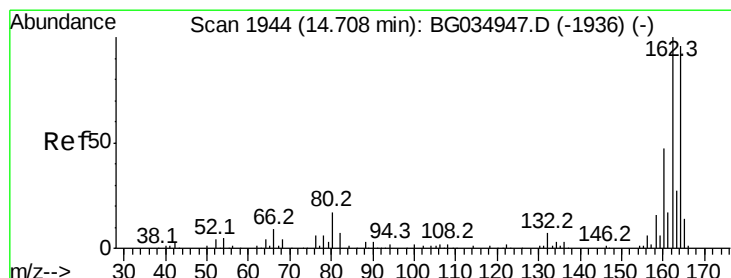
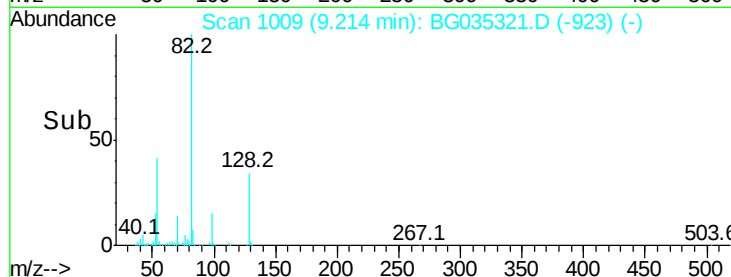
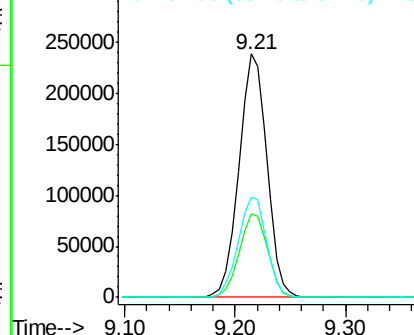
82 100

128 34.4 29.7 44.5

54 41.1 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# 1939

Delta R.T. -0.02 min

Lab File: BG035321.D

Acq: 22 Jun 2018 6:20

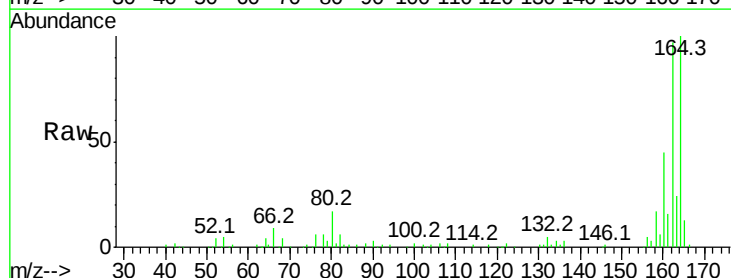
Tgt Ion:164 Resp: 117639

Ion Ratio Lower Upper

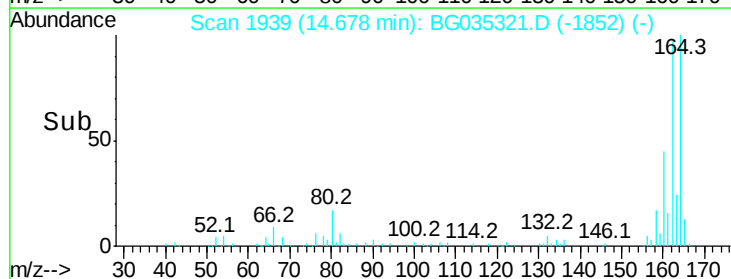
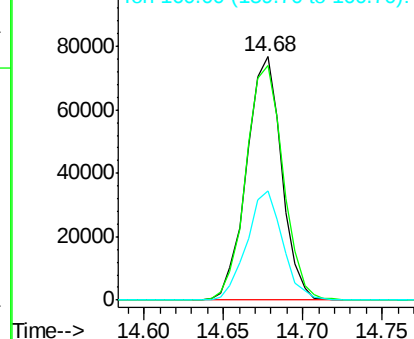
164 100

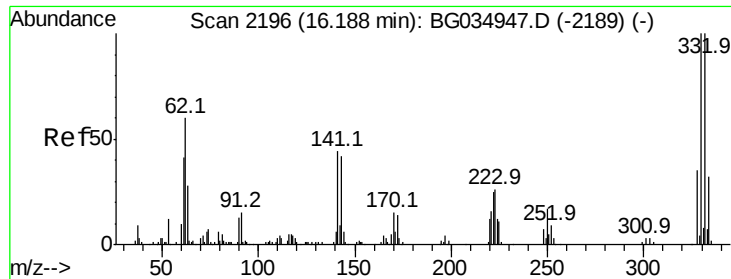
162 96.5 78.8 118.2

160 44.6 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

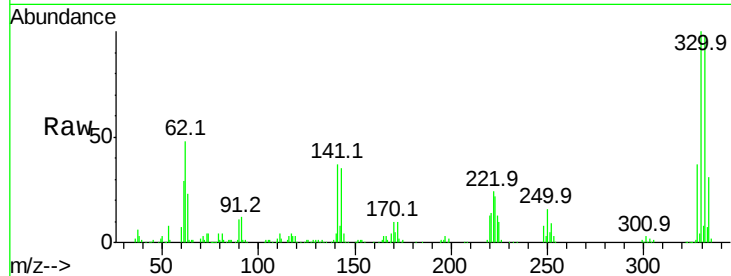




#41  
 2,4,6-Tribromophenol  
 Concen: 190.698 ng  
 RT: 16.16 min Scan# 2192  
 Delta R.T. -0.02 min  
 Lab File: BG035321.D  
 Acq: 22 Jun 2018 6:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 26KV-TP-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.1  | 77.0  | 115.6 |
| 141     | 38.0  | 25.2  | 37.8# |

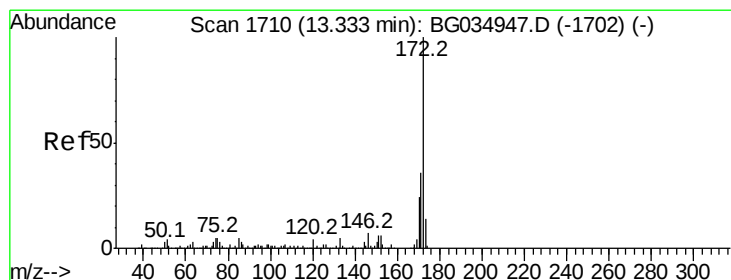
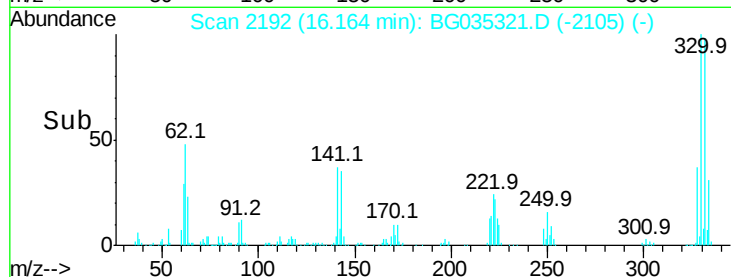
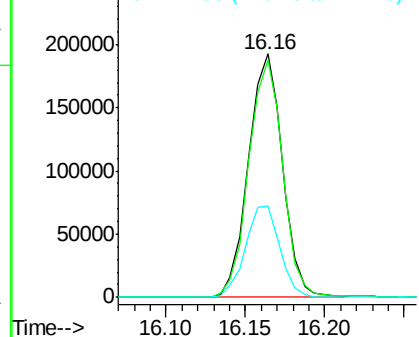


Abundance

Ion 329.80 (329.50 to 330.50): E

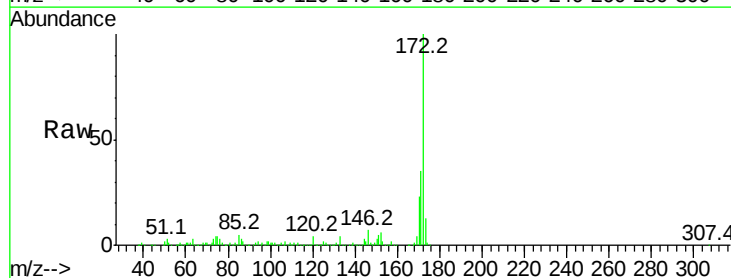
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 103.181 ng  
 RT: 13.30 min Scan# 1705  
 Delta R.T. -0.02 min  
 Lab File: BG035321.D  
 Acq: 22 Jun 2018 6:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 30.0  | 45.0  |
| 170     | 23.4  | 19.5  | 29.3  |

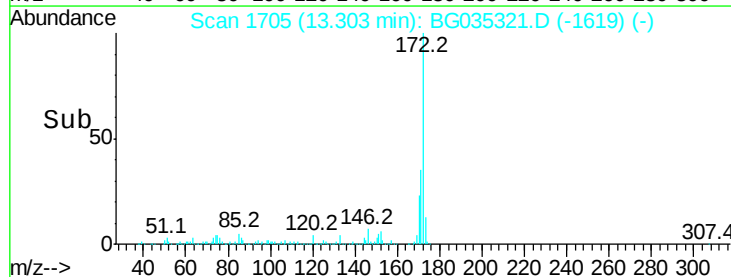
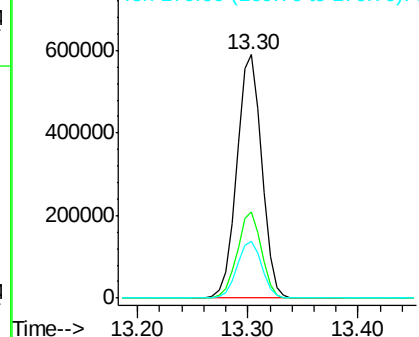


Abundance

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: BG035321.D

Acq: 22 Jun 2018 6:20

Instrument :

BNA\_G

ClientSampleId :

26KV-TP-10

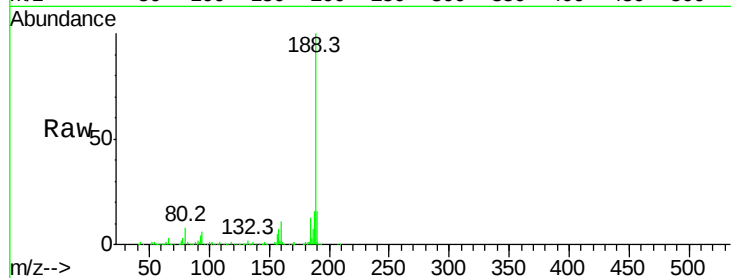
Tot Ion:188 Resp: 325779

Ion Ratio Lower Upper

188 100

94 5.5 6.9 10.3#

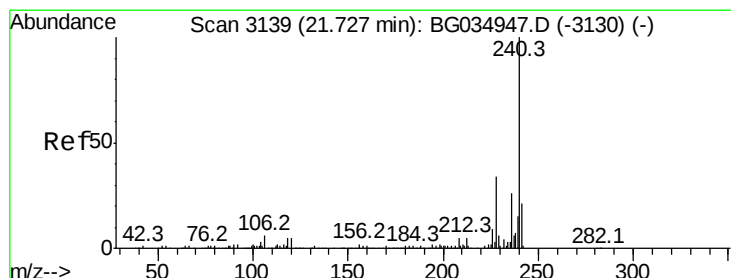
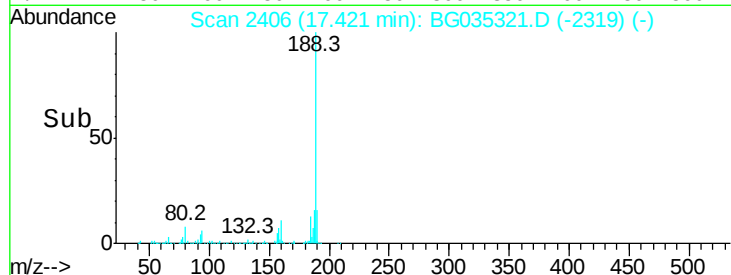
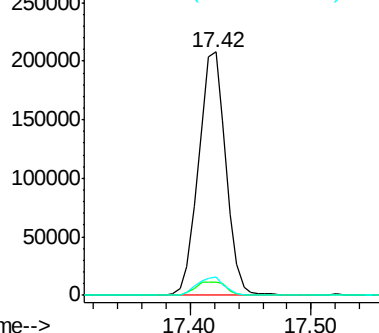
80 7.5 7.7 11.5#



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# 3132

Delta R.T. -0.03 min

Lab File: BG035321.D

Acq: 22 Jun 2018 6:20

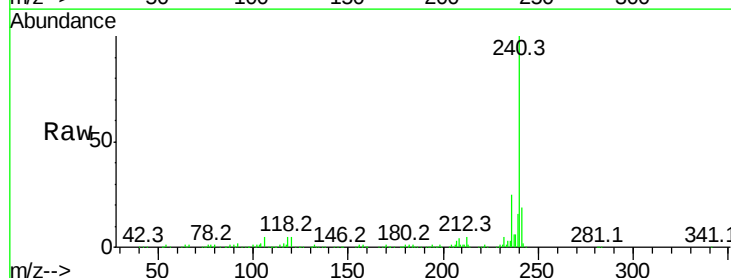
Tgt Ion:240 Resp: 363485

Ion Ratio Lower Upper

240 100

120 4.8 6.8 10.2#

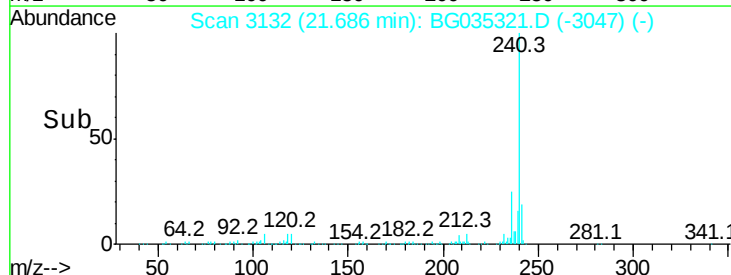
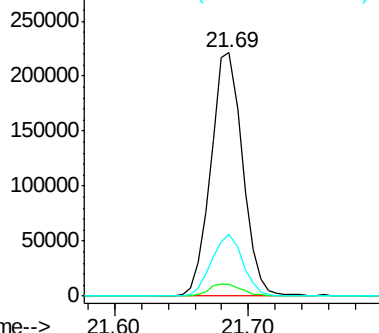
236 25.3 20.9 31.3



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: 103.531 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035321.D

Acq: 22 Jun 2018 6:20

Instrument :

BNA\_G

ClientSampleId :

26KV-TP-10

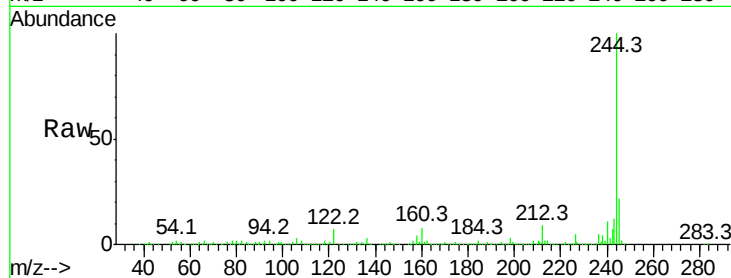
Tot Ion:244 Resp: 1796555

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

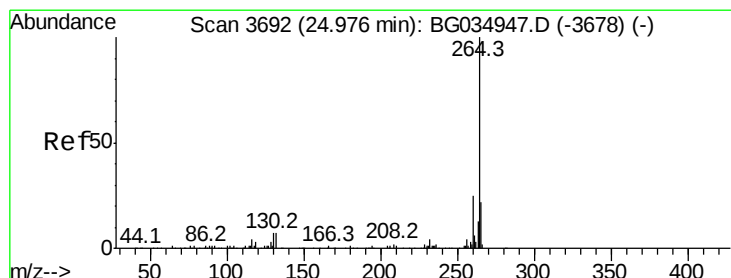
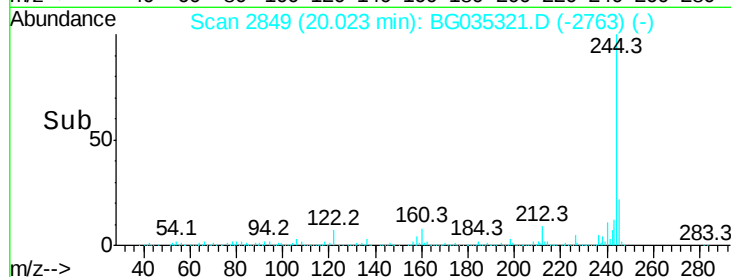
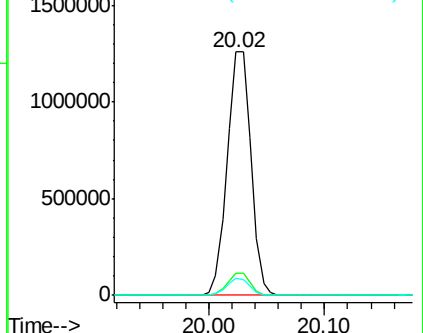
122 7.2 7.0 10.4



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: 24.90 min Scan# 3680

Delta R.T. -0.05 min

Lab File: BG035321.D

Acq: 22 Jun 2018 6:20

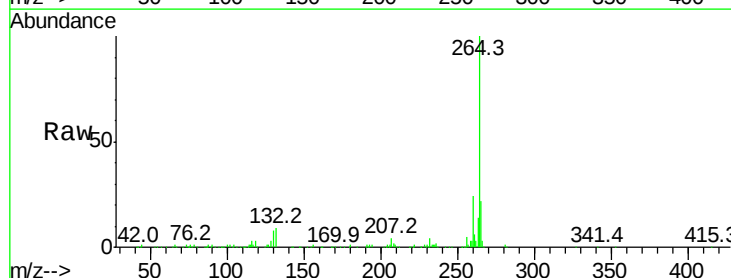
Tgt Ion:264 Resp: 342477

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 21.9 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

