

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071318\  
 Data File : BG035652.D  
 Acq On : 14 Jul 2018 5:48  
 Operator : JU/SJ  
 Sample : J3958-10  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CS-CONCRETE

Quant Time: Jul 14 06:32:32 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 12 14:43:32 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.06  | 152  | 46114    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.86 | 136  | 179082   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.67 | 164  | 133081   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.42 | 188  | 392159   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.68 | 240  | 419713   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.90 | 264  | 397483   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 342940   | 123.47 | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 475441   | 114.73 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.22  | 82   | 373775   | 87.19  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 251293   | 143.26 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.30 | 172  | 828959   | 83.45  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.02 | 244  | 1700632  | 89.32  | ng    | 0.00     |

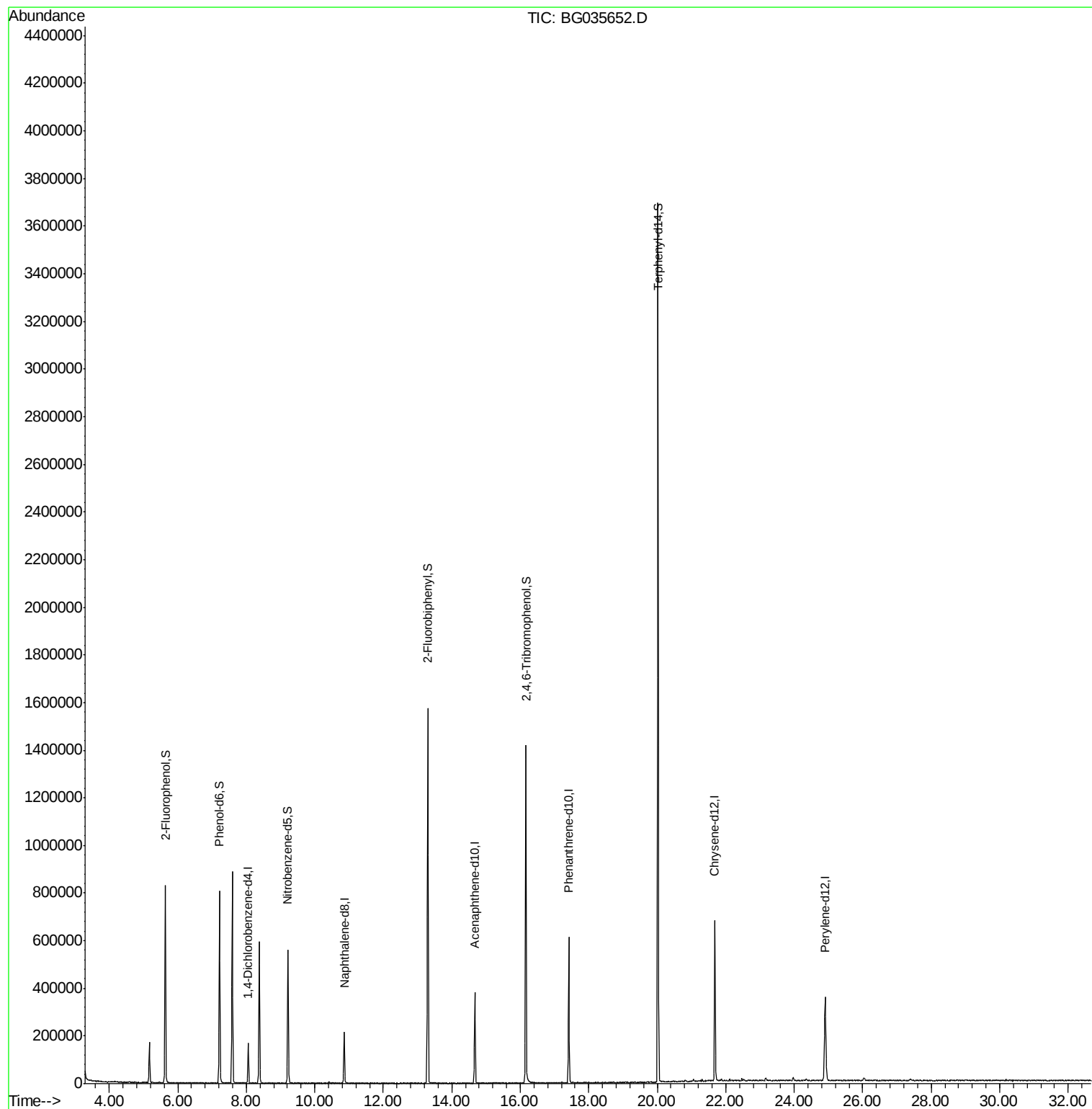
Target Compounds Qvalue

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

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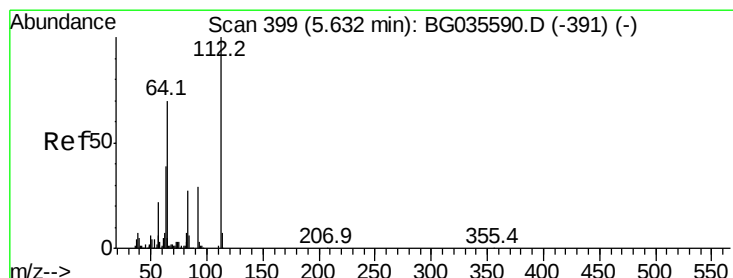
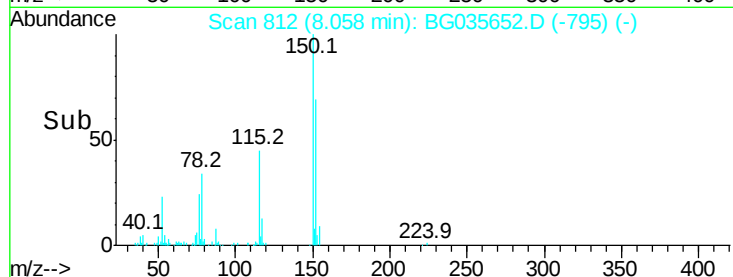
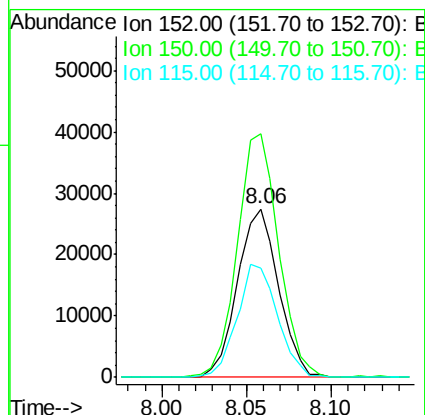
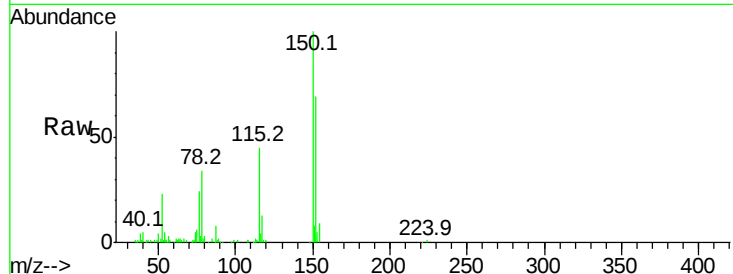


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 812  
Delta R.T. -0.00 min  
Lab File: BG035652.D  
Acq: 14 Jul 2018 5:48

Instrument :  
BNA\_G  
ClientSampleId :  
CS-CONCRETE

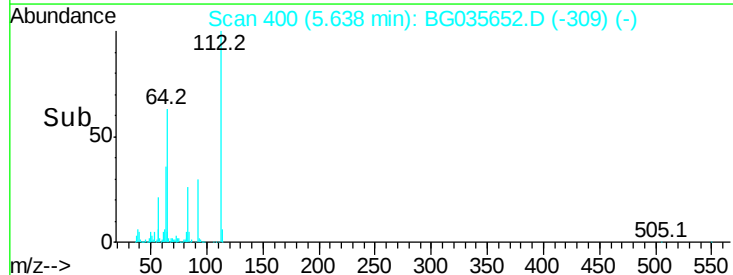
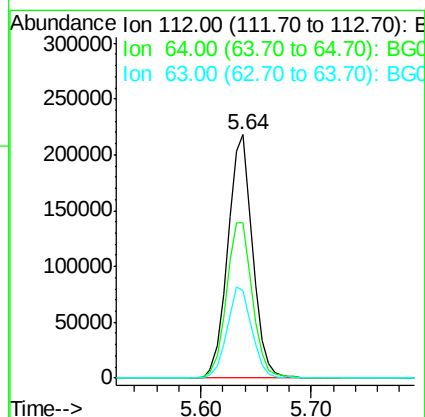
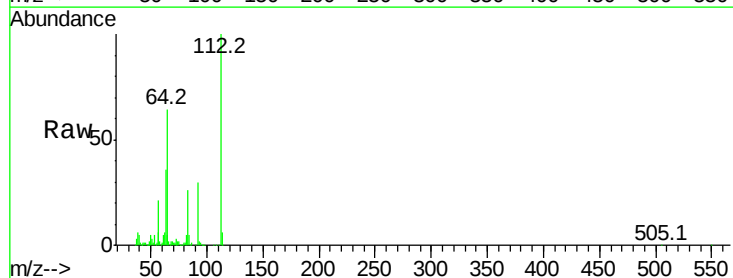
Tot Ion:152 Resp: 46114  
Ion Ratio Lower Upper  
152 100  
150 144.8 126.6 189.8  
115 64.8 53.0 79.4



#5

2-Fluorophenol  
Concen: 123.468 ng  
RT: 5.64 min Scan# 400  
Delta R.T. 0.01 min  
Lab File: BG035652.D  
Acq: 14 Jul 2018 5:48

Tgt Ion:112 Resp: 342940  
Ion Ratio Lower Upper  
112 100  
64 63.5 56.3 84.5  
63 36.1 30.1 45.1





#7

Phenol-d6

Concen: 114.728 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035652.D

Acq: 14 Jul 2018 5:48

Instrument :

BNA\_G

ClientSampleId :

CS-CONCRETE

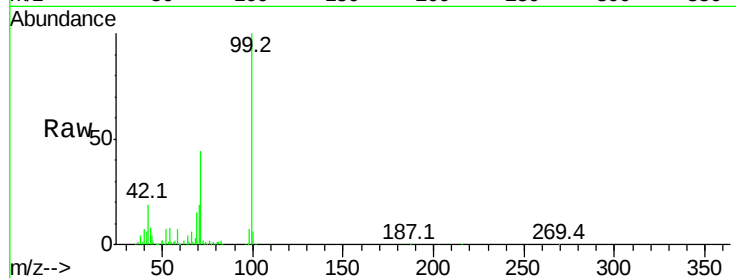
Tot Ion: 99 Resp: 475441

Ion Ratio Lower Upper

99 100

42 18.9 14.1 21.1

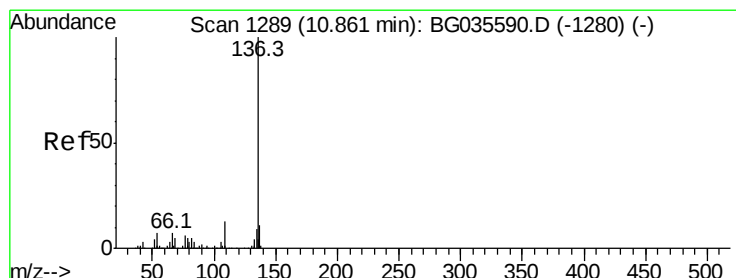
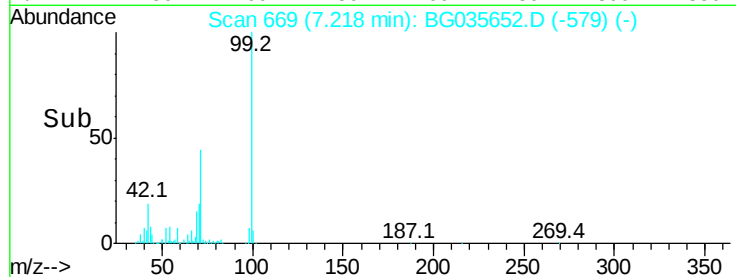
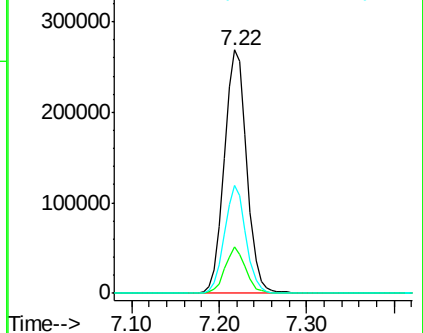
71 44.1 26.1 39.1#



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: 10.86 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BG035652.D

Acq: 14 Jul 2018 5:48

Tgt Ion:136 Resp: 179082

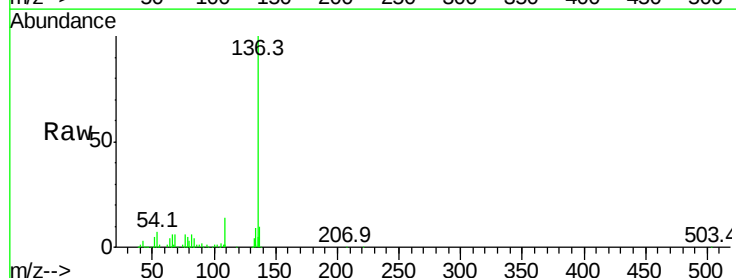
Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 7.5 10.3 15.5#

68 6.3 4.5 6.7

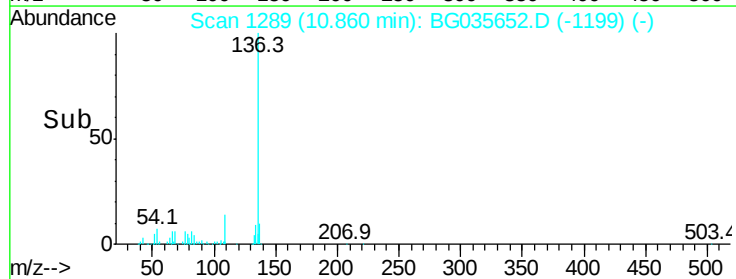
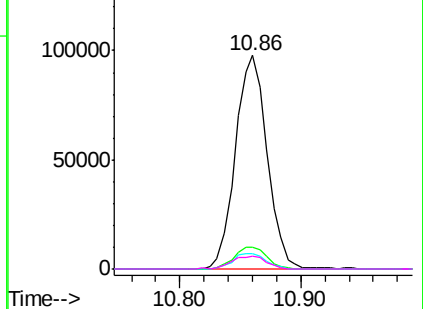


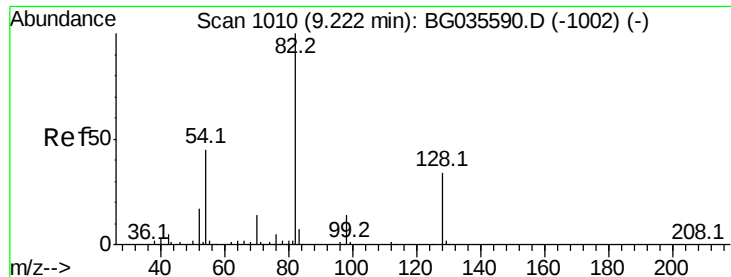
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

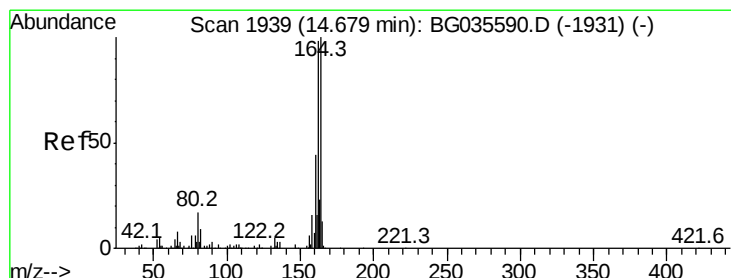
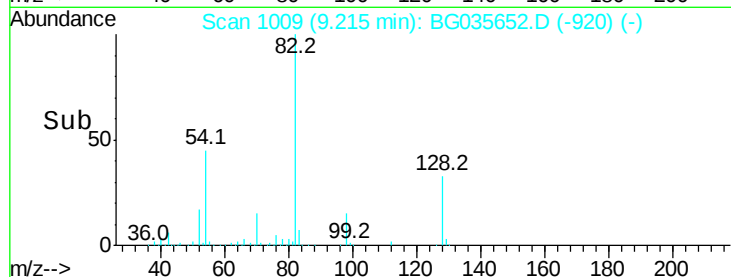
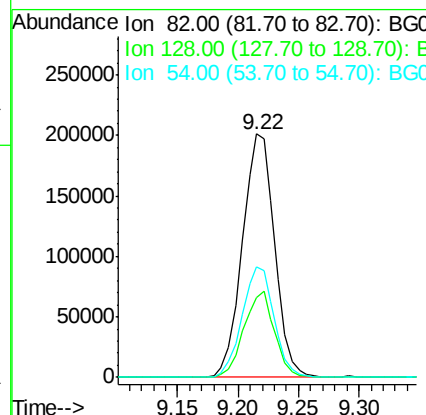
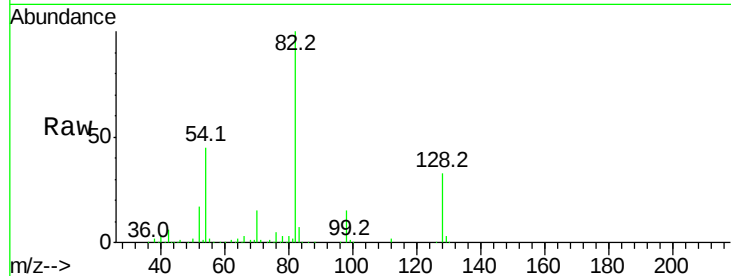




#23  
 Nitrobenzene-d5  
 Concen: 87.191 ng  
 RT: 9.22 min Scan# 1009  
 Delta R.T. -0.01 min  
 Lab File: BG035652.D  
 Acq: 14 Jul 2018 5:48

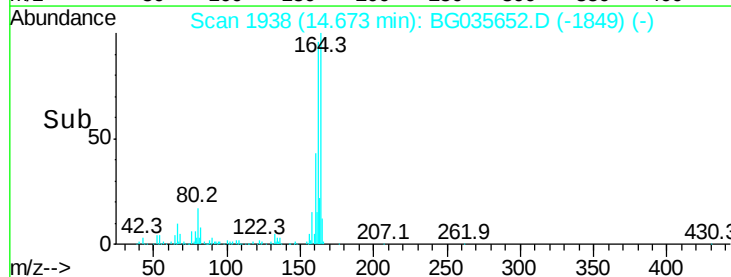
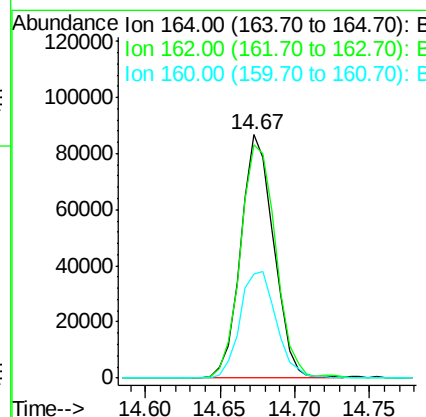
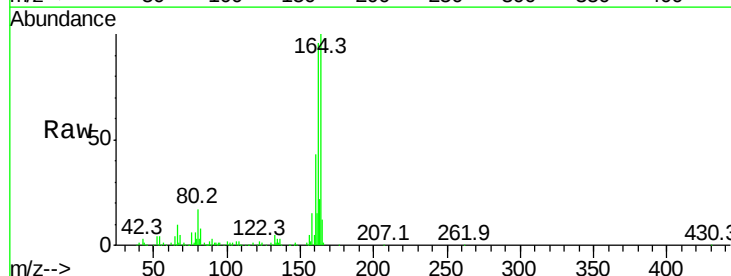
Instrument :  
 BNA\_G  
 ClientSampleId :  
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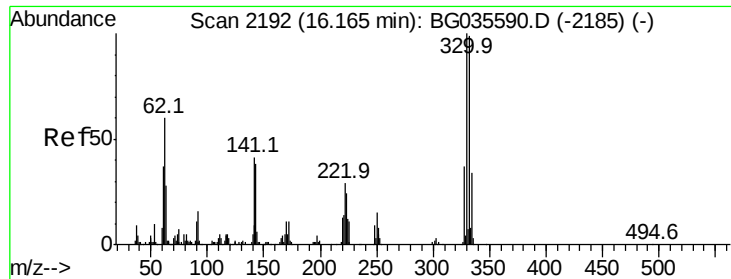
| Tot Ion   | 82    | Resp  | 373775 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 32.8  | 29.7  | 44.5   |
| 54        | 45.5  | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.67 min Scan# 1938  
 Delta R.T. -0.01 min  
 Lab File: BG035652.D  
 Acq: 14 Jul 2018 5:48

| Tgt Ion   | 164   | Resp  | 133081 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 96.1  | 78.8  | 118.2  |
| 160       | 42.9  | 35.4  | 53.0   |

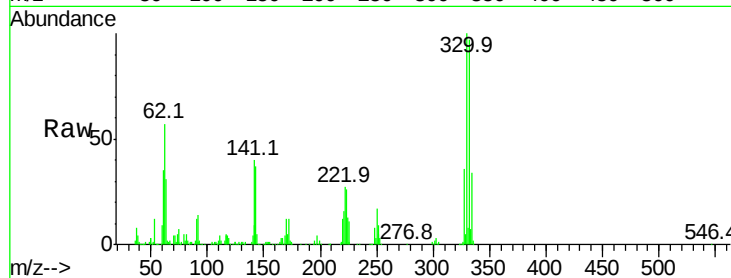




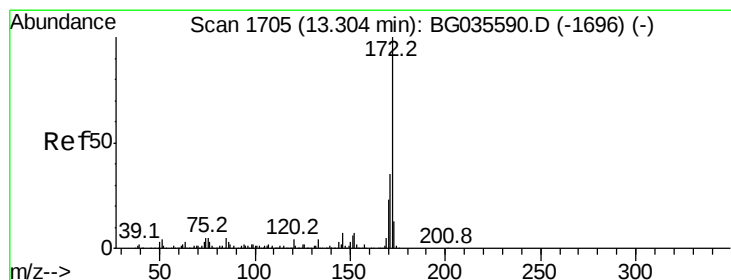
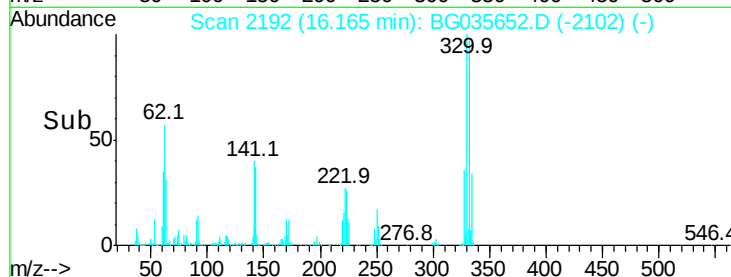
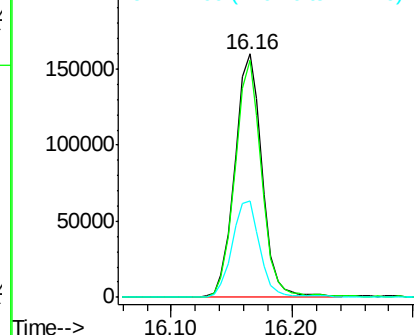
#41  
 2,4,6-Tribromophenol  
 Concen: 143.261 ng  
 RT: 16.16 min Scan# 2192  
 Delta R.T. -0.00 min  
 Lab File: BG035652.D  
 Acq: 14 Jul 2018 5:48

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CS-CONCRETE

Tot Ion:330 Resp: 251293  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 77.0 115.6  
 141 40.2 25.2 37.8#

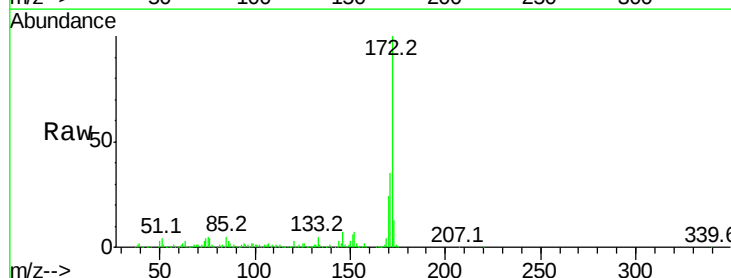


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

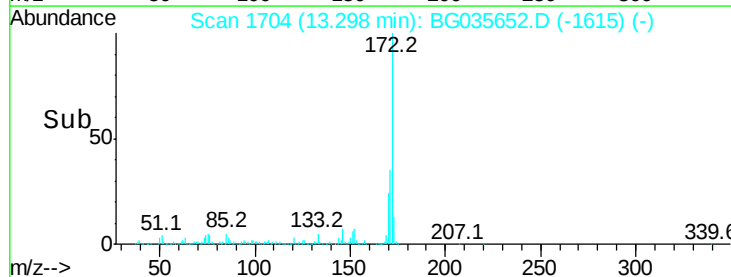
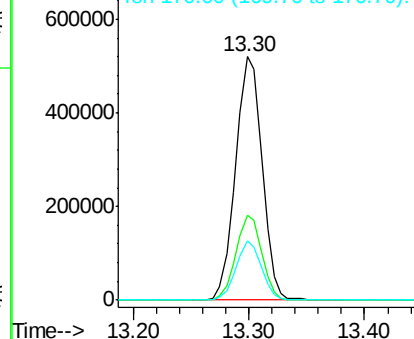


#44  
 2-Fluorobiphenyl  
 Concen: 83.452 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.01 min  
 Lab File: BG035652.D  
 Acq: 14 Jul 2018 5:48

Tgt Ion:172 Resp: 828959  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 30.0 45.0  
 170 24.3 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

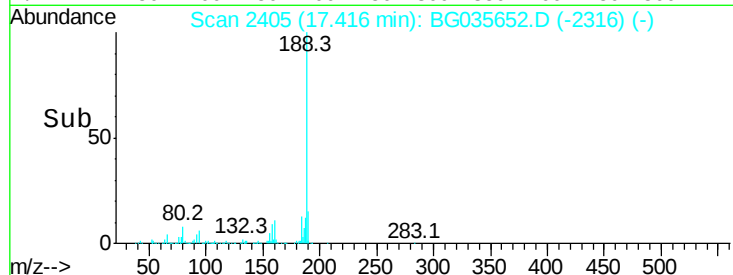
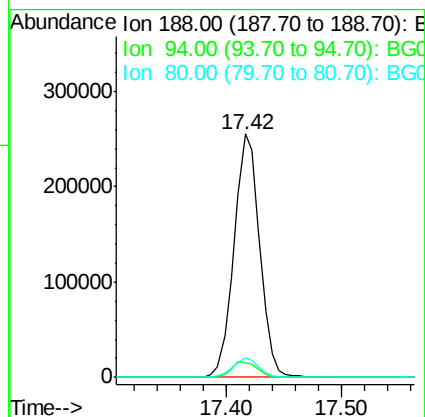
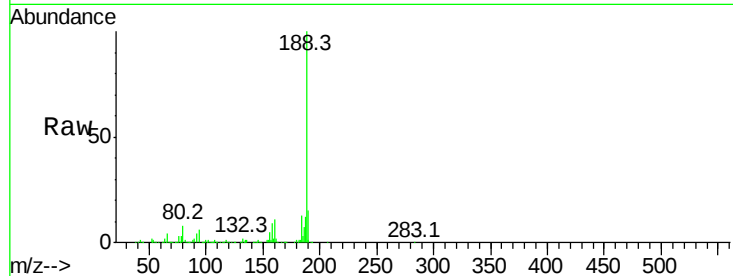




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.42 min Scan# 2405  
Delta R.T. -0.01 min  
Lab File: BG035652.D  
Acq: 14 Jul 2018 5:48

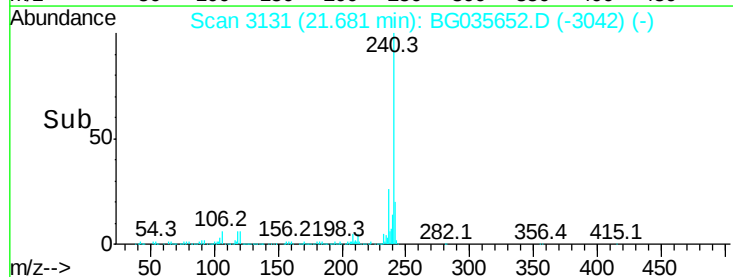
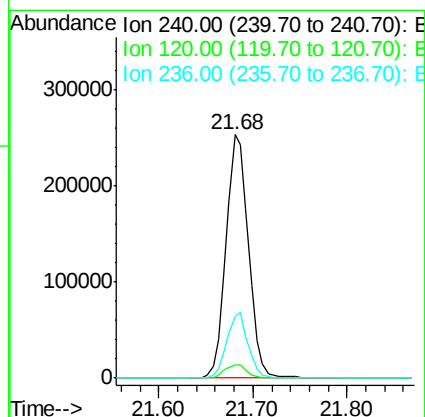
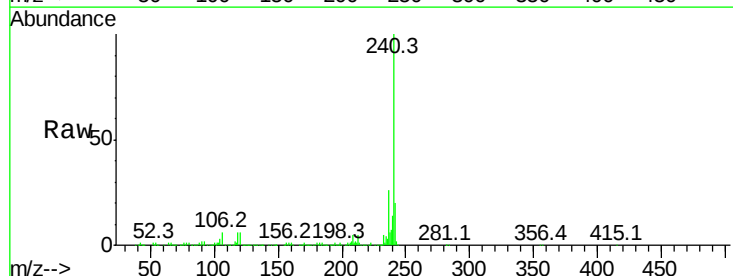
Instrument :  
BNA\_G  
ClientSampleId :  
CS-CONCRETE

Tot Ion:188 Resp: 392159  
Ion Ratio Lower Upper  
188 100  
94 6.0 6.9 10.3#  
80 8.2 7.7 11.5



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3131  
Delta R.T. -0.01 min  
Lab File: BG035652.D  
Acq: 14 Jul 2018 5:48

Tgt Ion:240 Resp: 419713  
Ion Ratio Lower Upper  
240 100  
120 5.6 6.8 10.2#  
236 25.6 20.9 31.3





#78

Terphenyl-d14

Concen: 89.316 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG035652.D

Acq: 14 Jul 2018 5:48

Instrument :

BNA\_G

ClientSampleId :

CS-CONCRETE

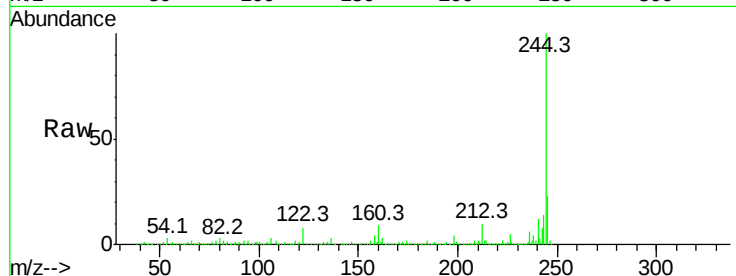
Tot Ion:244 Resp: 1700632

Ion Ratio Lower Upper

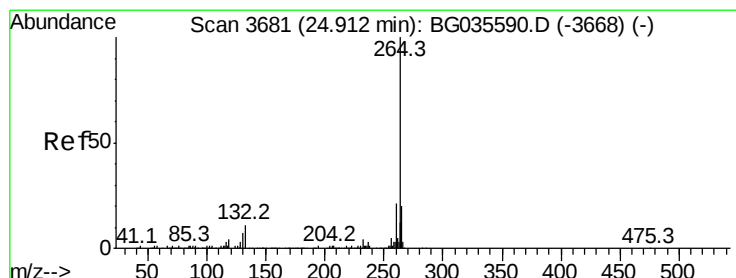
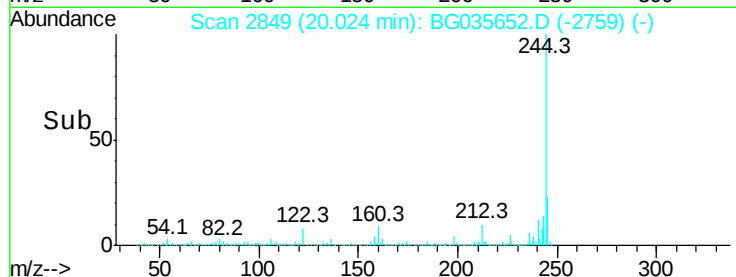
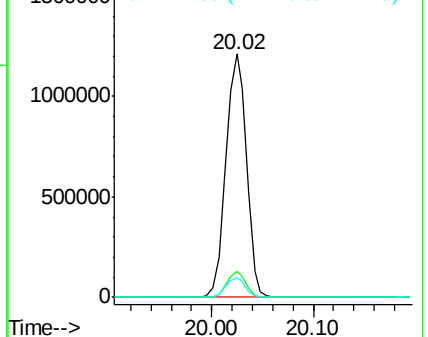
244 100

212 10.4 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: 24.90 min Scan# 3679

Delta R.T. -0.01 min

Lab File: BG035652.D

Acq: 14 Jul 2018 5:48

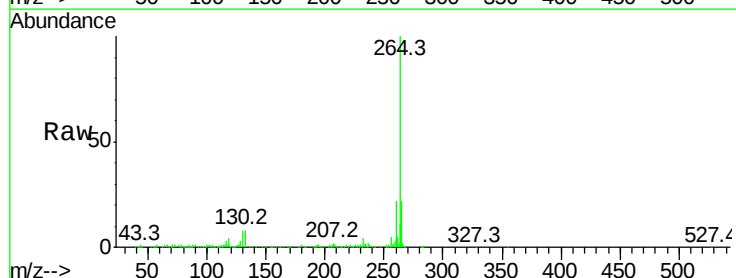
Tgt Ion:264 Resp: 397483

Ion Ratio Lower Upper

264 100

260 21.7 17.4 26.0

265 22.0 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

