

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\  
 Data File : BG035723.D  
 Acq On : 18 Jul 2018 18:54  
 Operator : JU/SJ  
 Sample : J3620-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB-TCLP-11-2-0718

Quant Time: Jul 19 02:16:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 18 17:45:13 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 47626    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.84 | 136  | 166090   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.66 | 164  | 111923   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.41 | 188  | 314128   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.67 | 240  | 382106   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.88 | 264  | 356392   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 398786   | 139.02 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 517117   | 120.82 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 415508   | 104.51 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 241239   | 163.53 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 904941   | 108.32 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.01 | 244  | 1724517  | 99.48  | ng    | 0.00     |

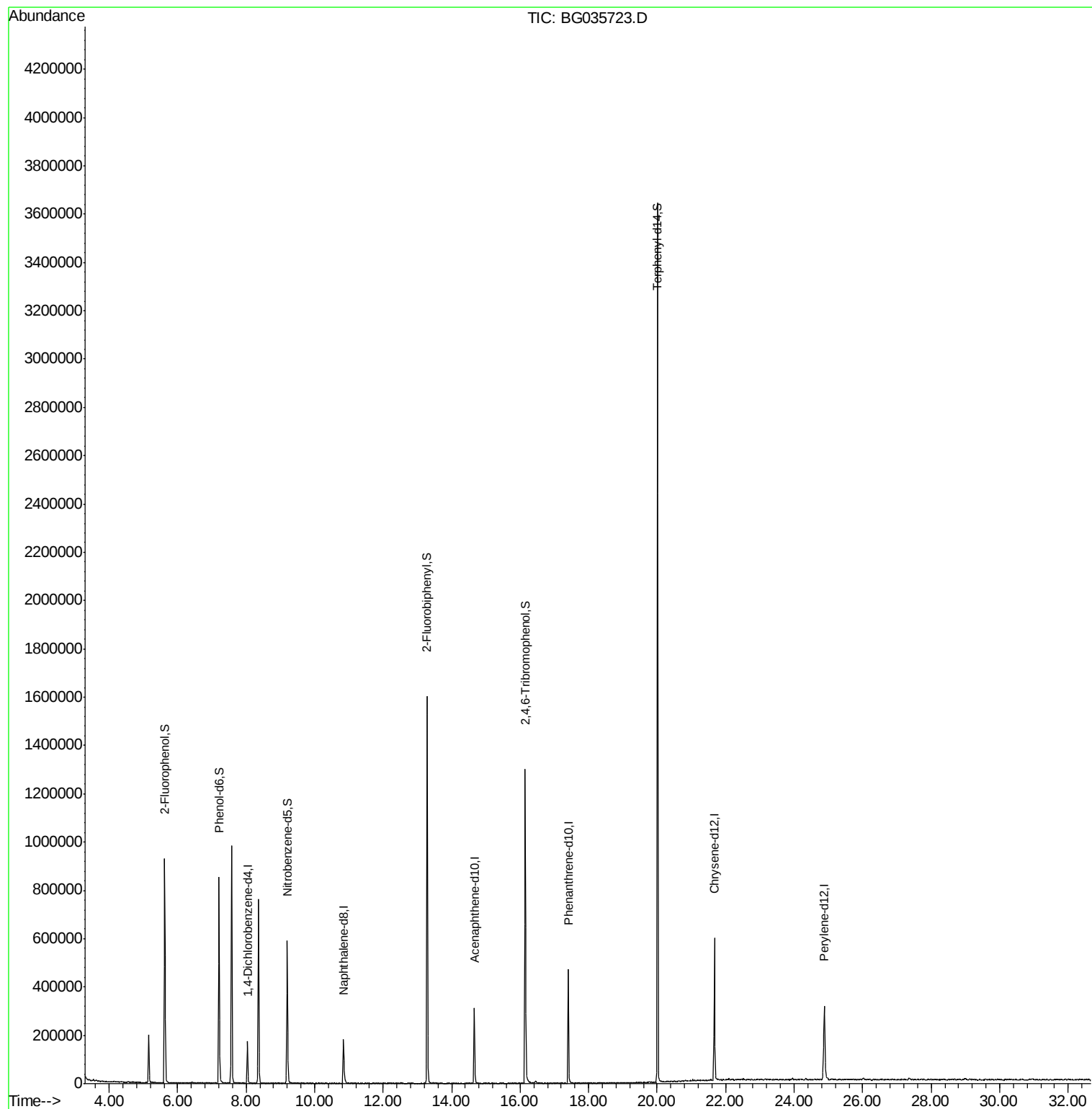
Target Compounds Qvalue

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

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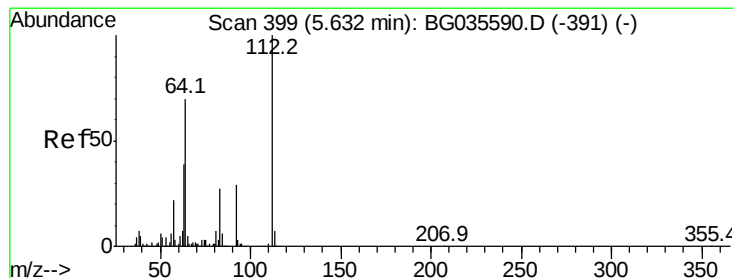
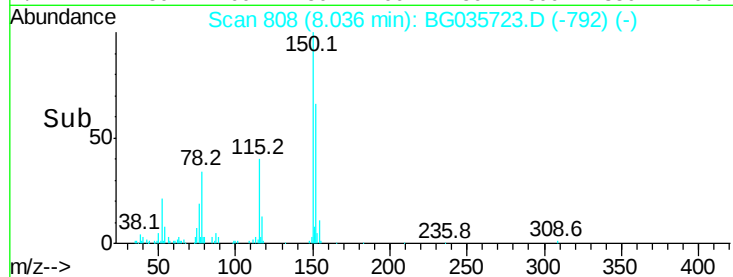
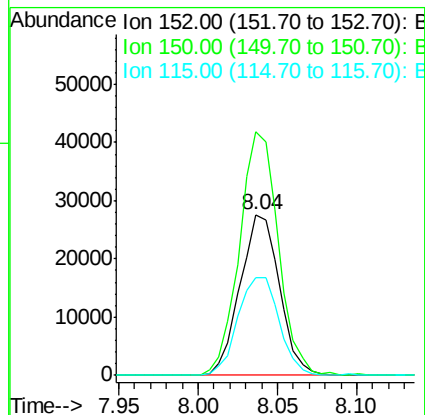
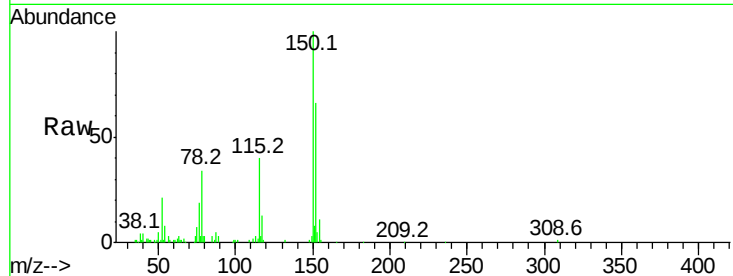


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.04 min Scan# 808  
Delta R.T. -0.00 min  
Lab File: BG035723.D  
Acq: 18 Jul 2018 18:54

Instrument :  
BNA\_G  
ClientSampleId :  
CB-TCLP-11-2-0718

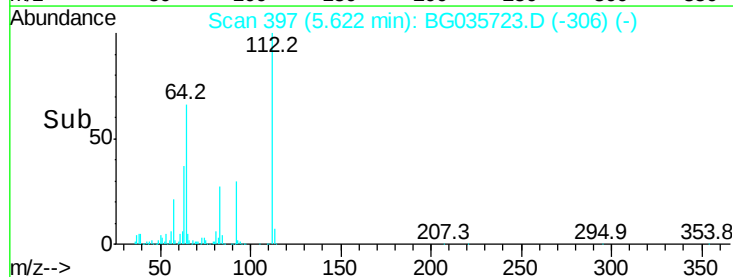
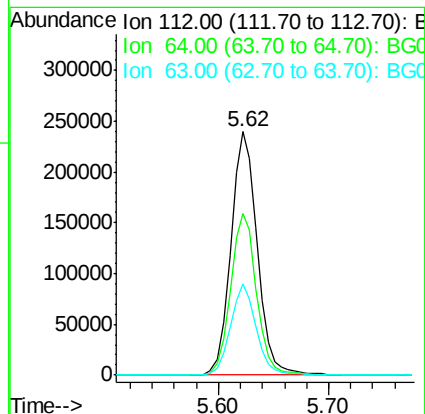
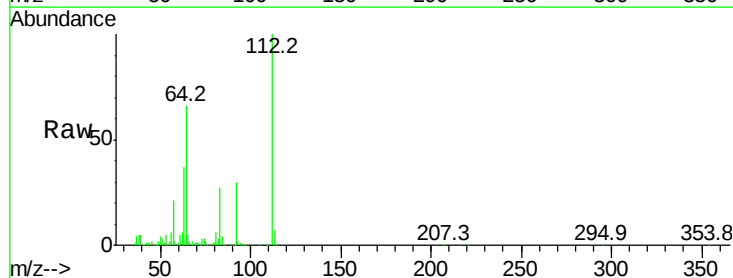
Tot Ion:152 Resp: 47626  
Ion Ratio Lower Upper  
152 100  
150 151.2 126.6 189.8  
115 60.7 53.0 79.4

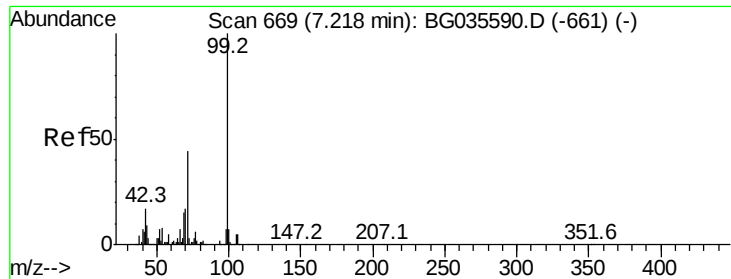


#5

2-Fluorophenol  
Concen: 139.016 ng  
RT: 5.62 min Scan# 397  
Delta R.T. 0.00 min  
Lab File: BG035723.D  
Acq: 18 Jul 2018 18:54

Tgt Ion:112 Resp: 398786  
Ion Ratio Lower Upper  
112 100  
64 66.4 56.3 84.5  
63 37.4 30.1 45.1





#7

Phenol-d6

Concen: 120.823 ng

RT: 7.21 min Scan# 667

Delta R.T. 0.00 min

Lab File: BG035723.D

Acq: 18 Jul 2018 18:54

Instrument :

BNA\_G

ClientSampleId :

CB-TCLP-11-2-0718

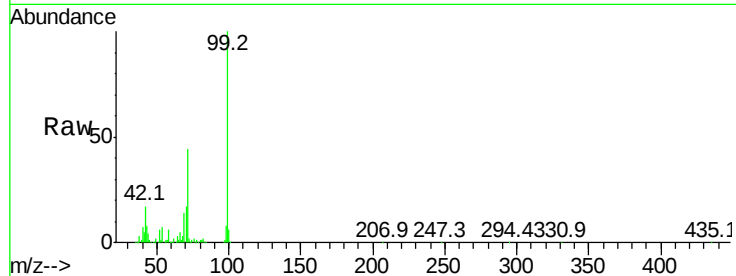
Tot Ion: 99 Resp: 517117

Ion Ratio Lower Upper

99 100

42 16.8 14.1 21.1

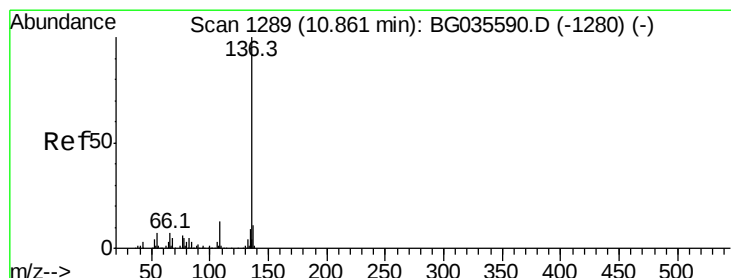
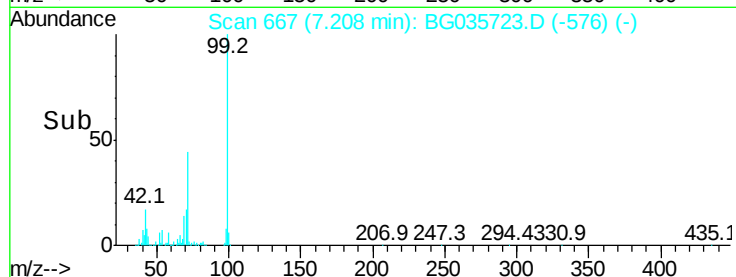
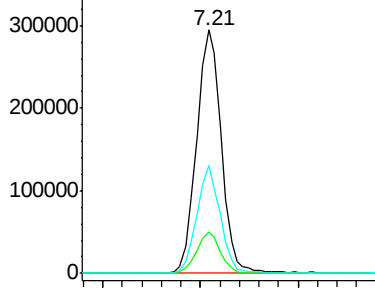
71 44.2 26.1 39.1#



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: 10.84 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BG035723.D

Acq: 18 Jul 2018 18:54

Tgt Ion: 136 Resp: 166090

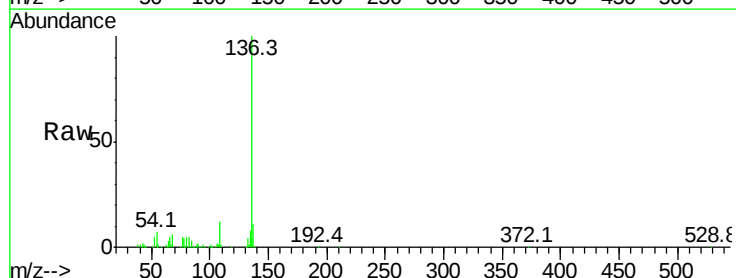
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 7.0 10.3 15.5#

68 6.4 4.5 6.7

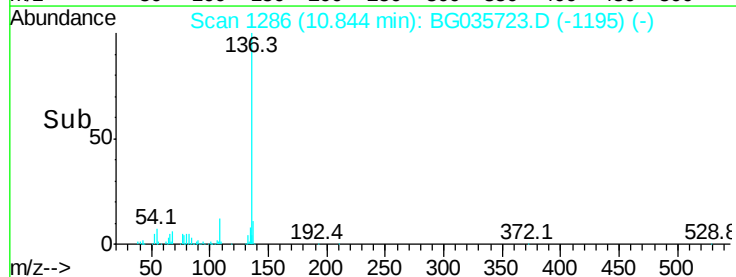
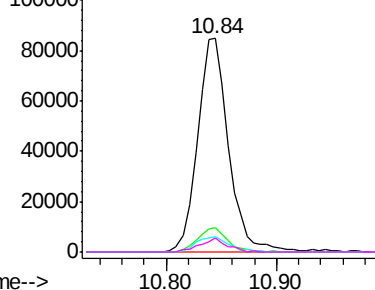


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 104.508 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BG035723.D

Acq: 18 Jul 2018 18:54

Instrument :

BNA\_G

ClientSampleId :

CB-TCLP-11-2-0718

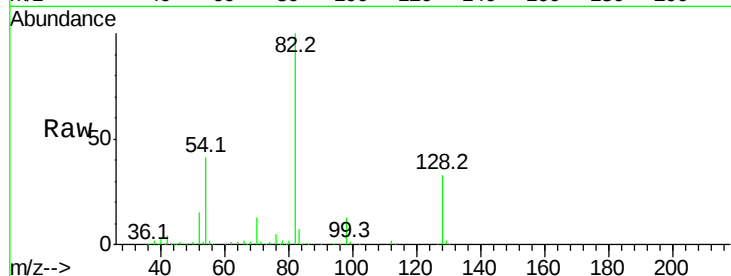
Tot Ion: 82 Resp: 415508

Ion Ratio Lower Upper

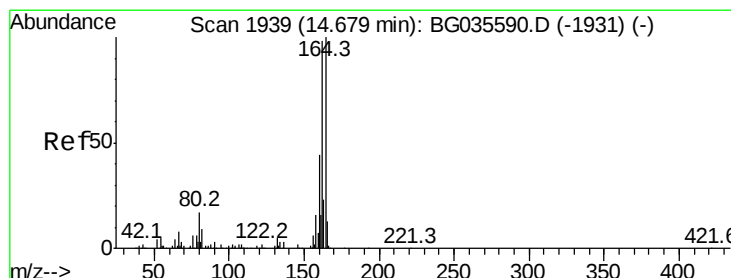
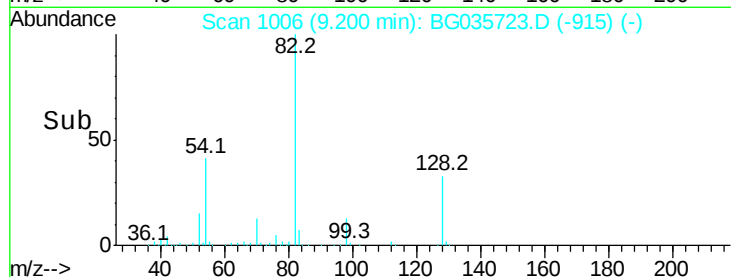
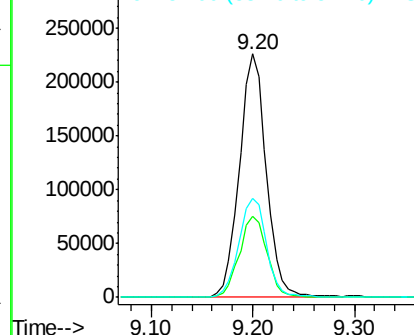
82 100

128 33.0 29.7 44.5

54 40.9 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: 14.66 min Scan# 1936

Delta R.T. 0.00 min

Lab File: BG035723.D

Acq: 18 Jul 2018 18:54

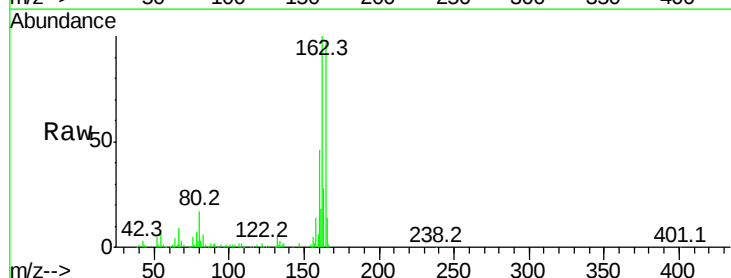
Tgt Ion:164 Resp: 111923

Ion Ratio Lower Upper

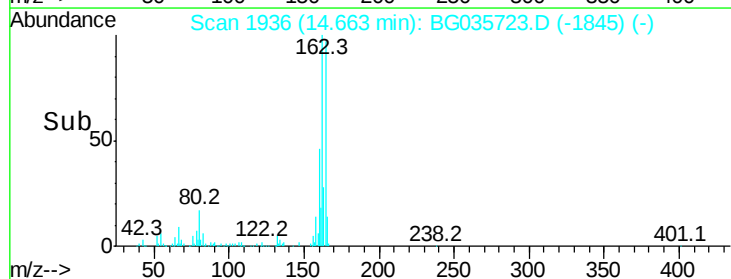
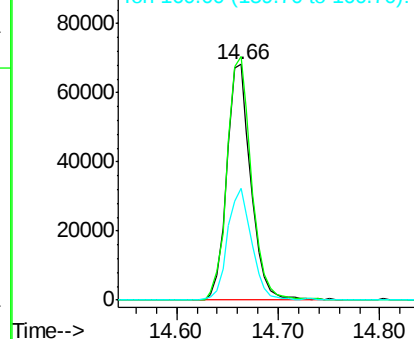
164 100

162 103.4 78.8 118.2

160 47.7 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

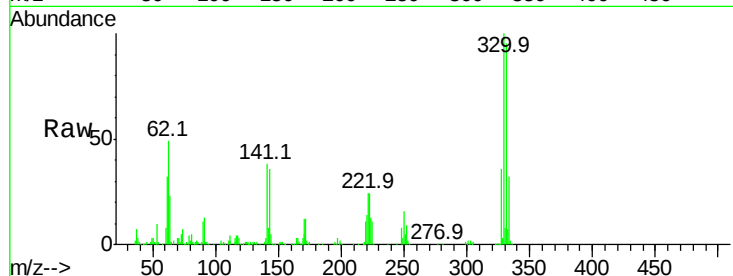




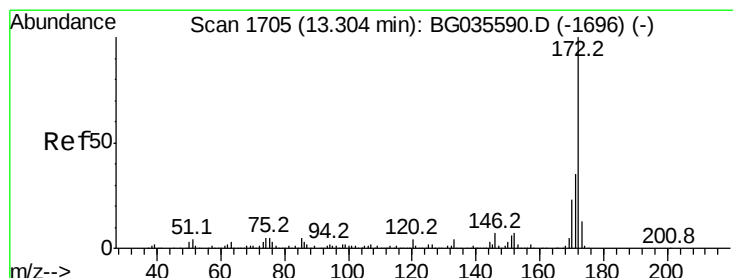
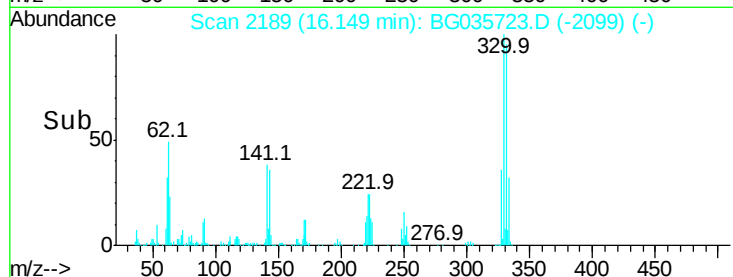
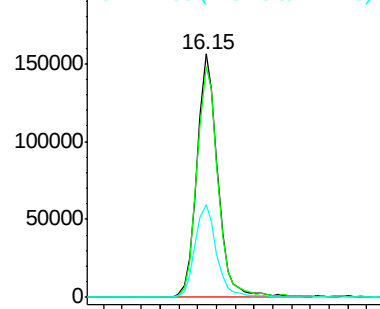
#41  
 2,4,6-Tribromophenol  
 Concen: 163.528 ng  
 RT: 16.15 min Scan# 2189  
 Delta R.T. -0.00 min  
 Lab File: BG035723.D  
 Acq: 18 Jul 2018 18:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB-TCLP-11-2-0718

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 77.0  | 115.6 |
| 141     | 39.4  | 25.2  | 37.8# |

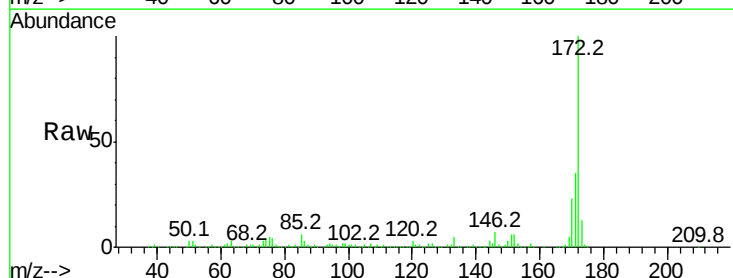


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

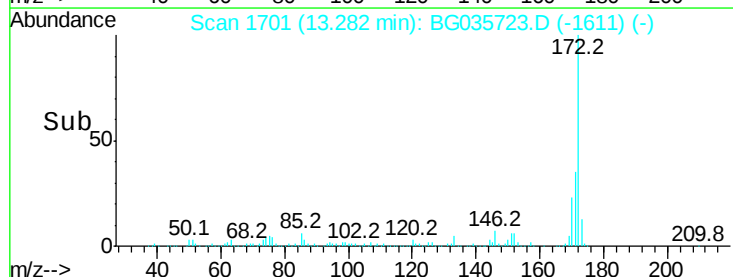
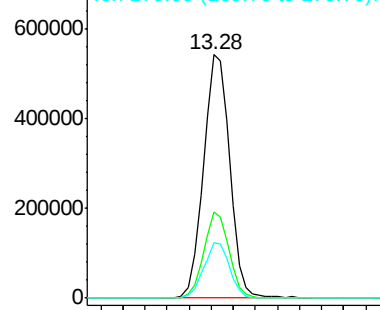


#44  
 2-Fluorobiphenyl  
 Concen: 108.323 ng  
 RT: 13.28 min Scan# 1701  
 Delta R.T. -0.00 min  
 Lab File: BG035723.D  
 Acq: 18 Jul 2018 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 30.0  | 45.0  |
| 170     | 22.9  | 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: 17.41 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BG035723.D

Acq: 18 Jul 2018 18:54

Instrument :

BNA\_G

ClientSampleId :

CB-TCLP-11-2-0718

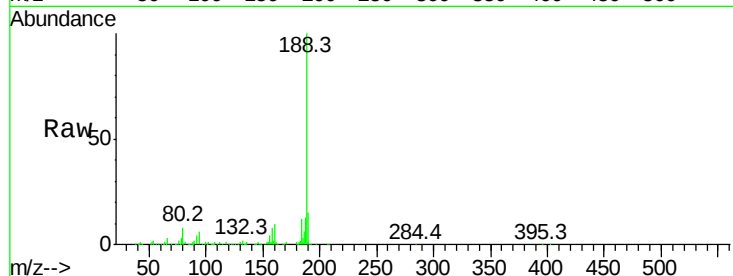
Tot Ion:188 Resp: 314128

Ion Ratio Lower Upper

188 100

94 6.3 6.9 10.3#

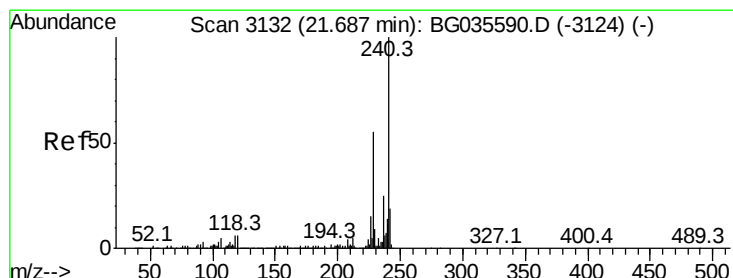
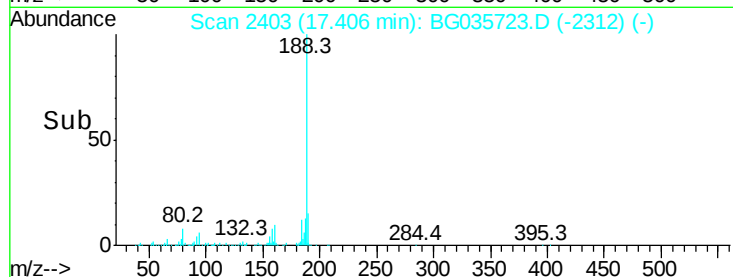
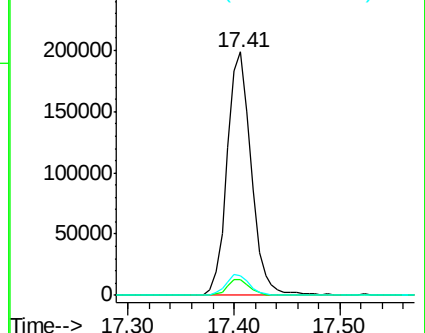
80 8.1 7.7 11.5



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: 21.67 min Scan# 3129

Delta R.T. -0.00 min

Lab File: BG035723.D

Acq: 18 Jul 2018 18:54

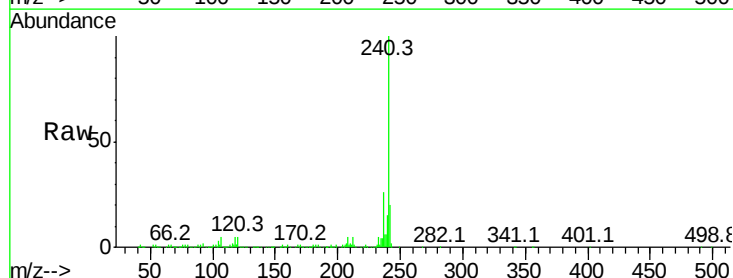
Tgt Ion:240 Resp: 382106

Ion Ratio Lower Upper

240 100

120 5.2 6.8 10.2#

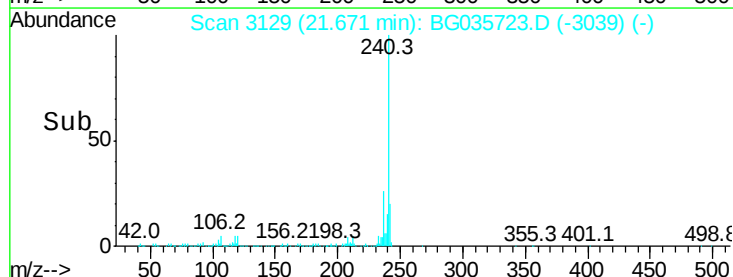
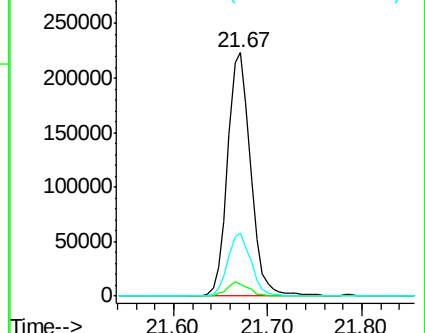
236 26.1 20.9 31.3

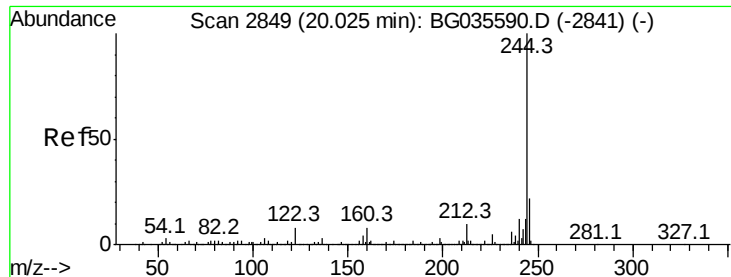


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

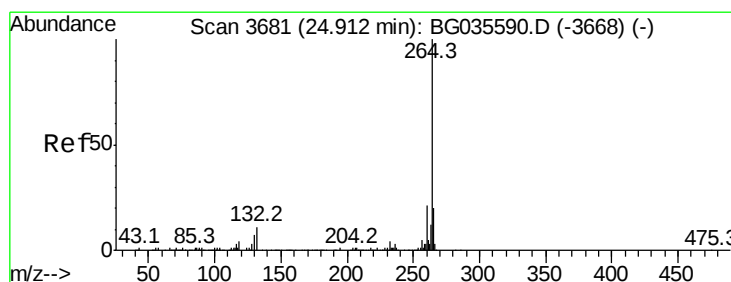
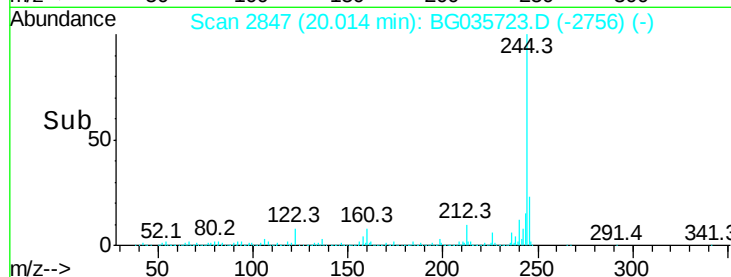
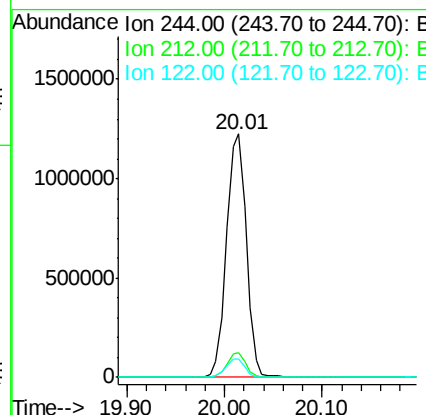
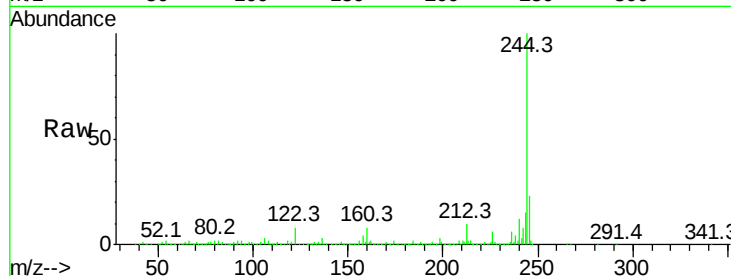




#78  
 Terphenyl-d14  
 Concen: 99.484 ng  
 RT: 20.01 min Scan# 2847  
 Delta R.T. 0.00 min  
 Lab File: BG035723.D  
 Acq: 18 Jul 2018 18:54

Instrument :  
 BNA\_G  
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 CB-TCLP-11-2-0718

Tot Ion:244 Resp: 1724517  
 Ion Ratio Lower Upper  
 244 100  
 212 10.0 5.8 8.8#  
 122 7.6 7.0 10.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.88 min Scan# 3675  
 Delta R.T. -0.00 min  
 Lab File: BG035723.D  
 Acq: 18 Jul 2018 18:54

Tgt Ion:264 Resp: 356392  
 Ion Ratio Lower Upper  
 264 100  
 260 25.3 17.4 26.0  
 265 22.5 17.7 26.5

