

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080818\  
 Data File : BG036210.D  
 Acq On : 8 Aug 2018 23:10  
 Operator : JU/SJ  
 Sample : J4360-06  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 155-CONCRETE

Quant Time: Aug 09 02:25:27 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 31 12:30:06 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.01  | 152  | 31782    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.82 | 136  | 110161   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.63 | 164  | 81063    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.38 | 188  | 222752   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.64 | 240  | 238255   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.83 | 264  | 216080   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 252524   | 131.91 | ng    | 0.00     |
| 7) Phenol-d6                | 7.19  | 99   | 325175   | 113.85 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 264822   | 100.42 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330  | 181039   | 169.44 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.25 | 172  | 607145   | 100.34 | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.99 | 244  | 1199344  | 110.96 | ng    | -0.02    |

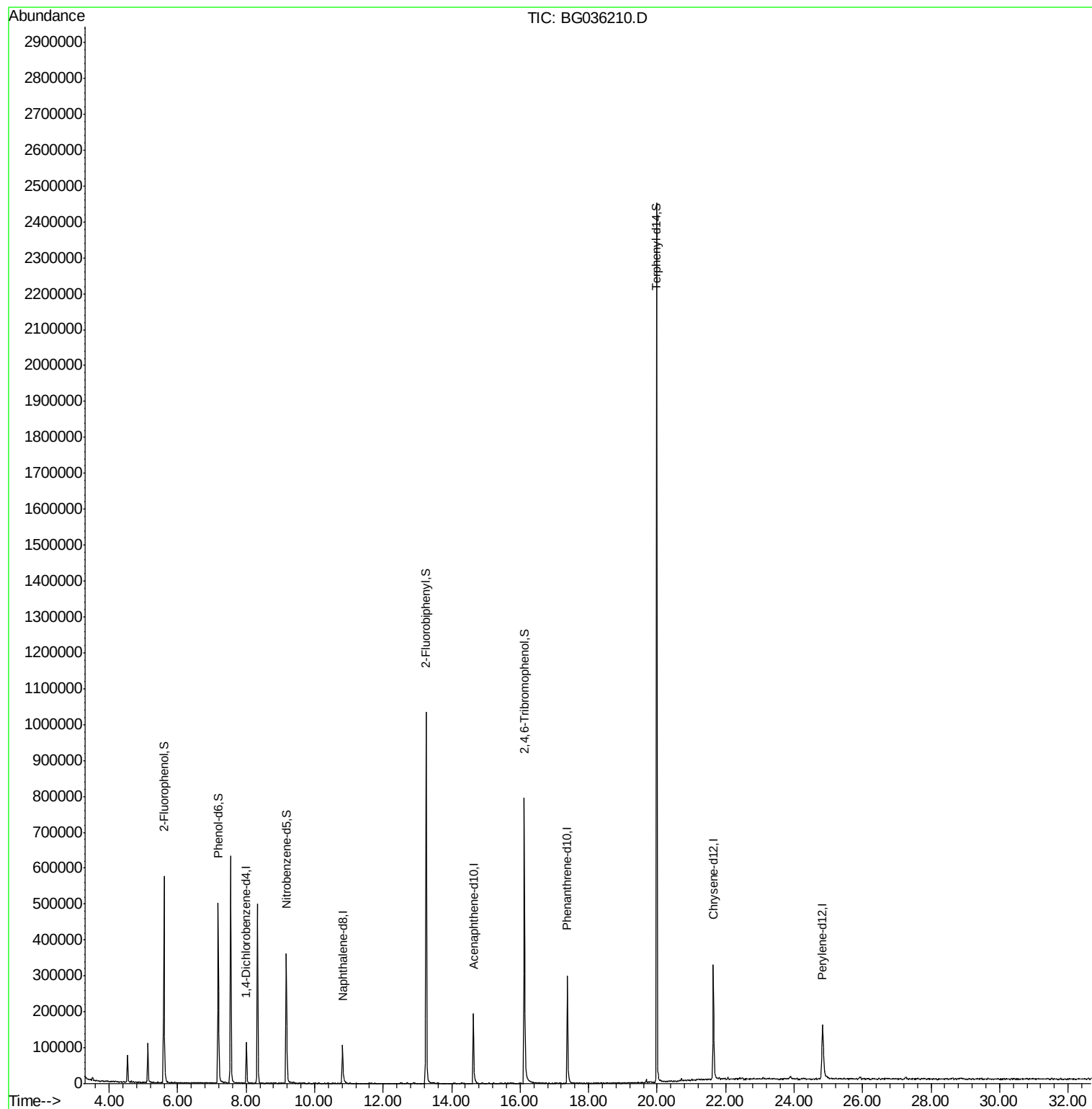
Target Compounds Qvalue

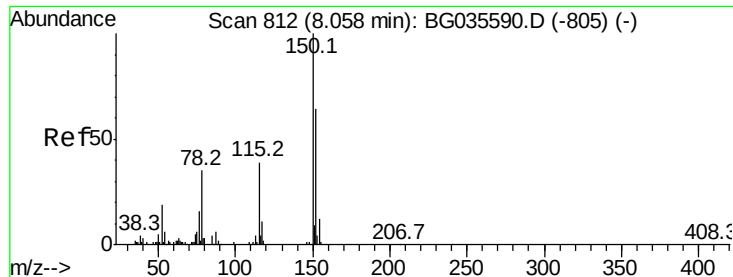
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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QLast Update : Tue Jul 31 12:30:06 2018  
Response via : Initial Calibration



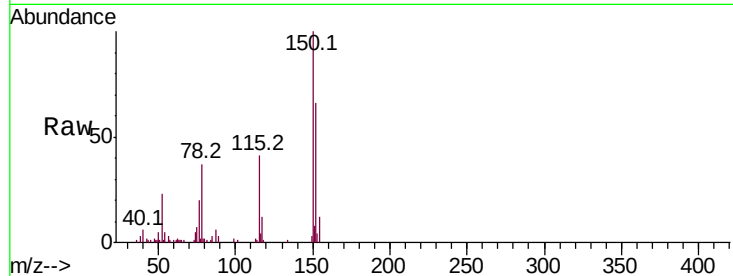


#1

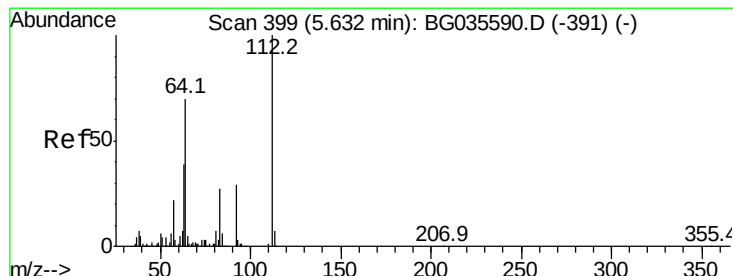
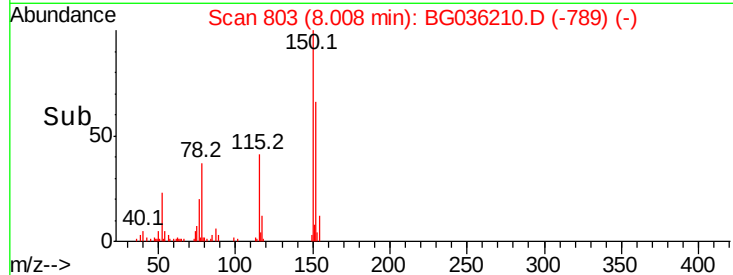
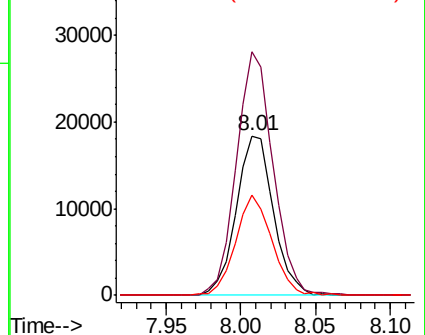
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 803  
Delta R.T. -0.02 min  
Lab File: BG036210.D  
Acq: 8 Aug 2018 23:10

Instrument :  
BNA\_G  
ClientSampleId :  
155-CONCRETE

Tot Ion:152 Resp: 31782  
Ion Ratio Lower Upper  
152 100  
150 152.5 126.6 189.8  
115 63.1 53.0 79.4



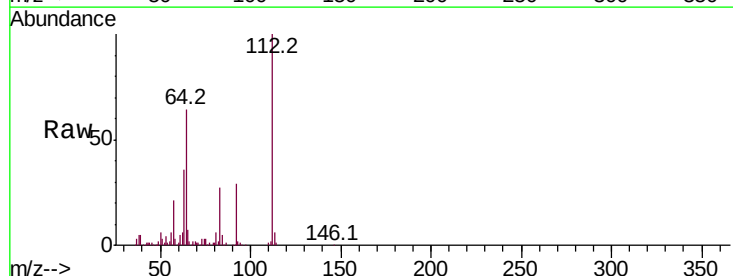
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



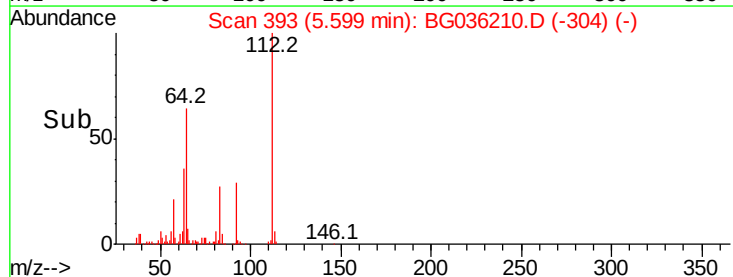
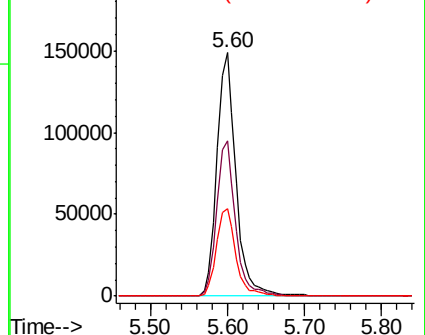
#5

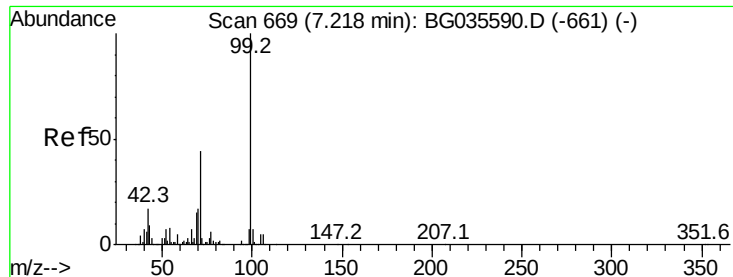
2-Fluorophenol  
Concen: 131.914 ng  
RT: 5.60 min Scan# 393  
Delta R.T. -0.00 min  
Lab File: BG036210.D  
Acq: 8 Aug 2018 23:10

Tgt Ion:112 Resp: 252524  
Ion Ratio Lower Upper  
112 100  
64 63.7 56.3 84.5  
63 35.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 113.852 ng

RT: 7.19 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036210.D

Acq: 8 Aug 2018 23:10

Instrument :

BNA\_G

ClientSampleId :

155-CONCRETE

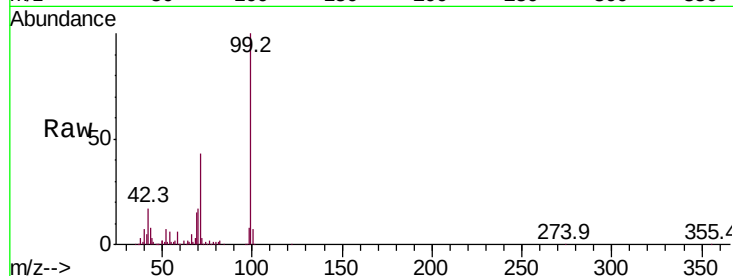
Tot Ion: 99 Resp: 325175

Ion Ratio Lower Upper

99 100

42 16.8 14.1 21.1

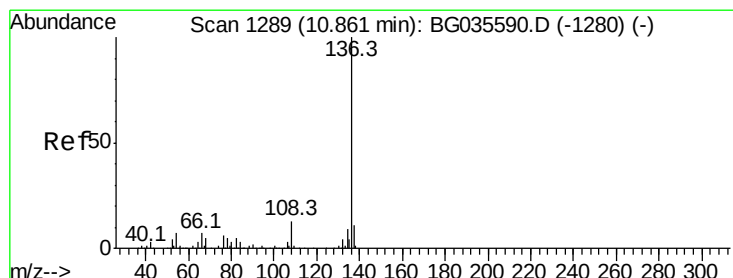
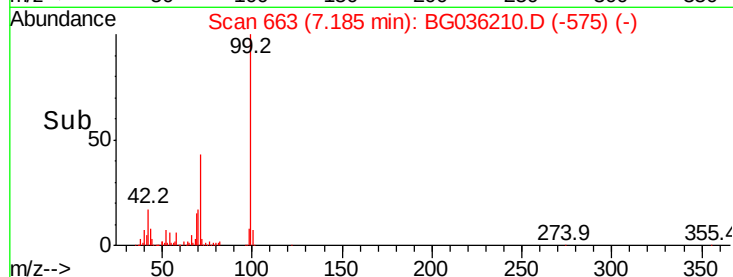
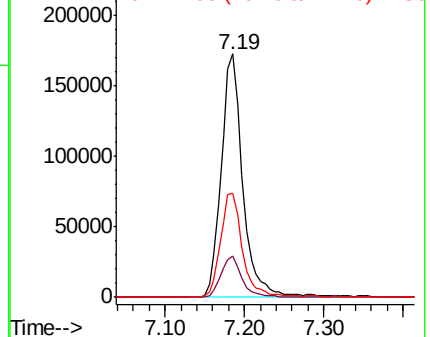
71 42.8 26.1 39.1#



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: 10.82 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036210.D

Acq: 8 Aug 2018 23:10

Tgt Ion: 136 Resp: 110161

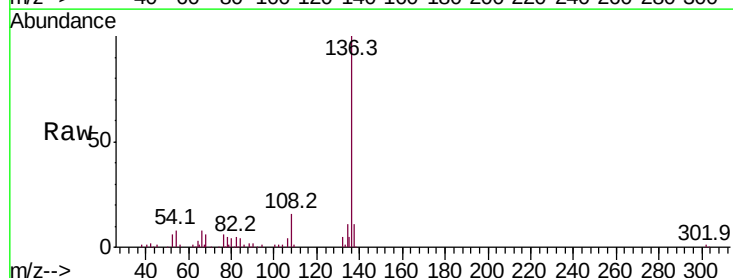
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 7.6 10.3 15.5#

68 5.8 4.5 6.7

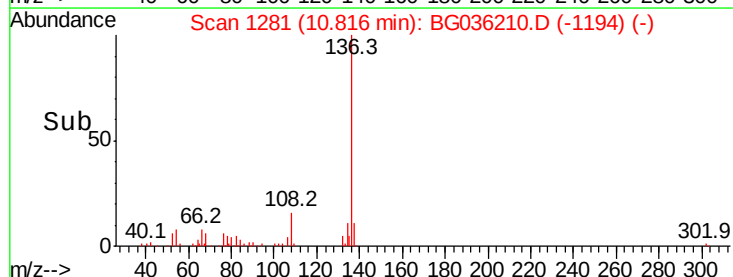
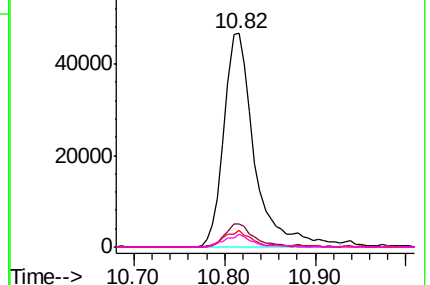


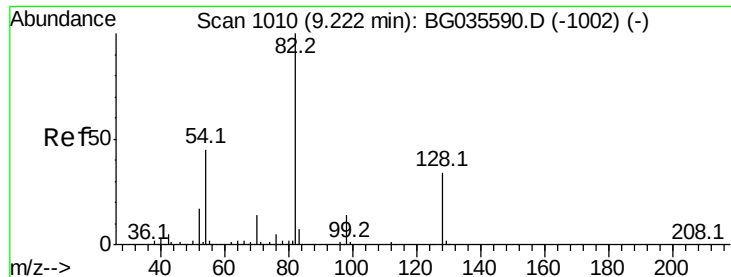
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

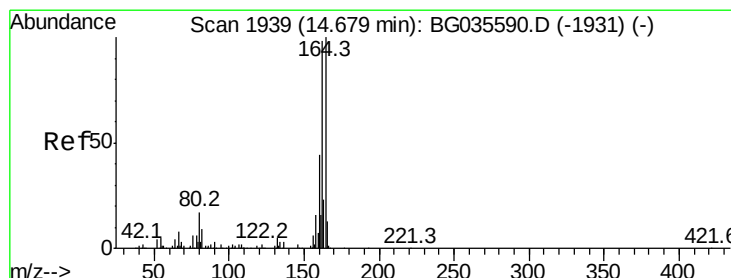
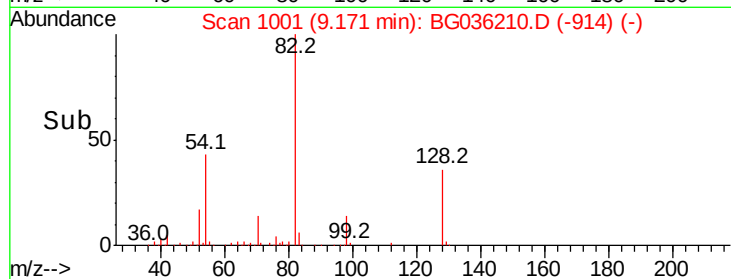
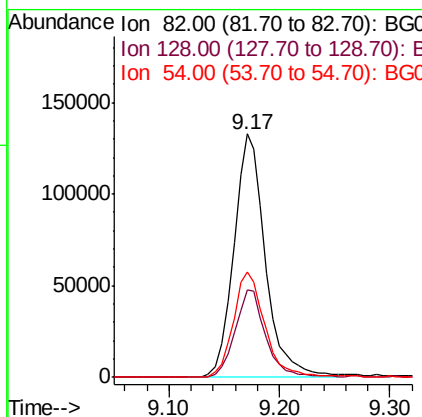
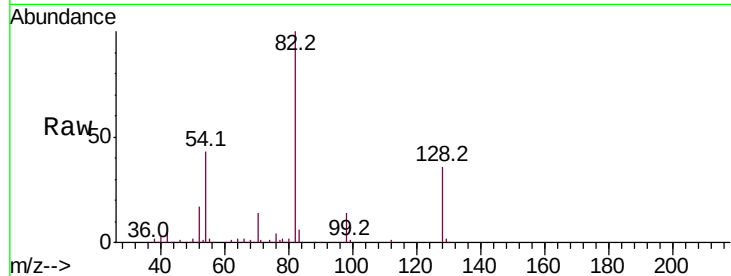




#23  
 Nitrobenzene-d5  
 Concen: 100.425 ng  
 RT: 9.17 min Scan# 1001  
 Delta R.T. -0.02 min  
 Lab File: BG036210.D  
 Acq: 8 Aug 2018 23:10

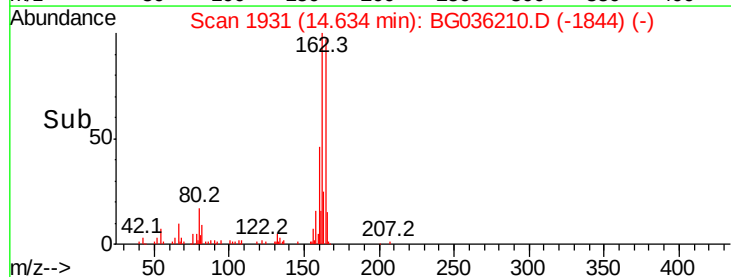
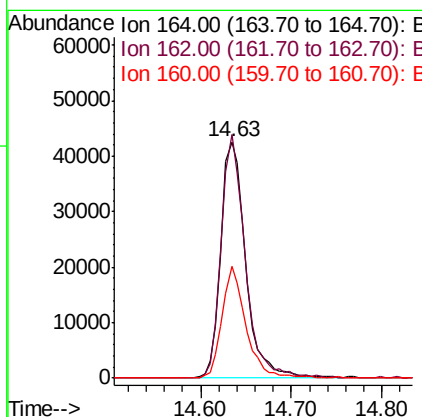
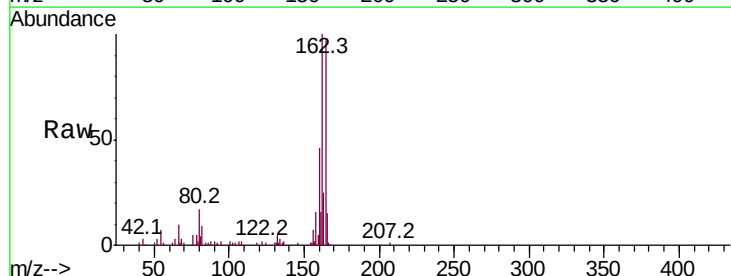
Instrument :  
 BNA\_G  
 ClientSampleId :  
 155-CONCRETE

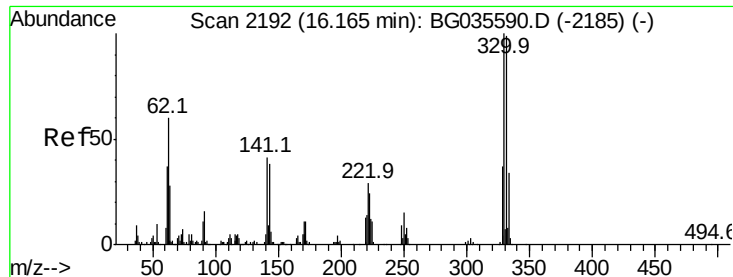
| Tot Ion   | 82    | Resp  | 264822 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 36.0  | 29.7  | 44.5   |
| 54        | 43.2  | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.63 min Scan# 1931  
 Delta R.T. -0.02 min  
 Lab File: BG036210.D  
 Acq: 8 Aug 2018 23:10

| Tgt Ion   | 164   | Resp  | 81063 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 103.1 | 78.8  | 118.2 |
| 160       | 47.4  | 35.4  | 53.0  |

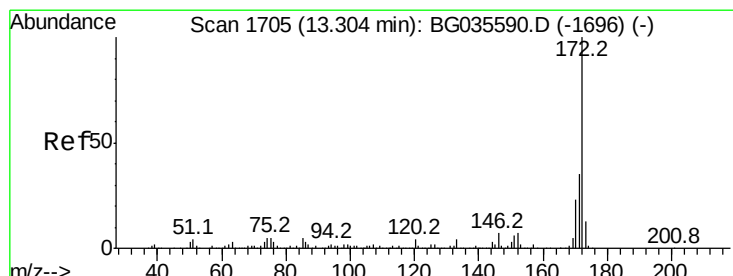
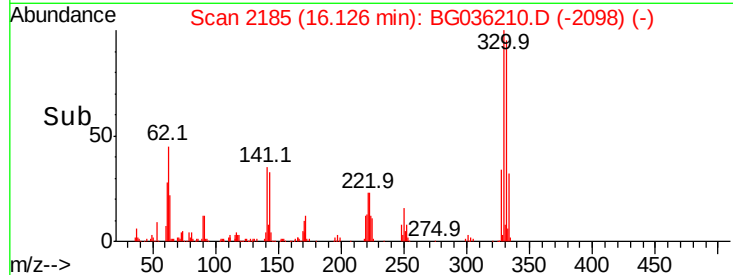
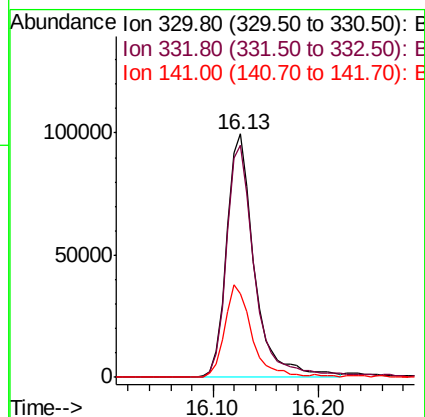
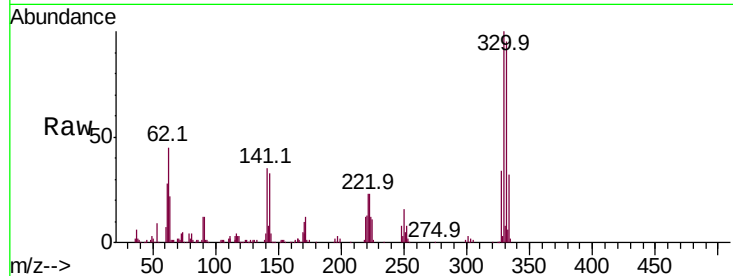




#41  
 2,4,6-Tribromophenol  
 Concen: 169.439 ng  
 RT: 16.13 min Scan# 2185  
 Delta R.T. -0.02 min  
 Lab File: BG036210.D  
 Acq: 8 Aug 2018 23:10

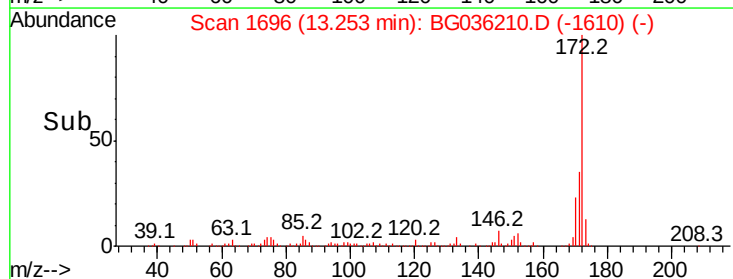
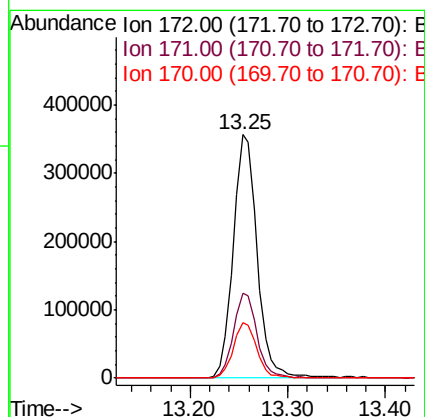
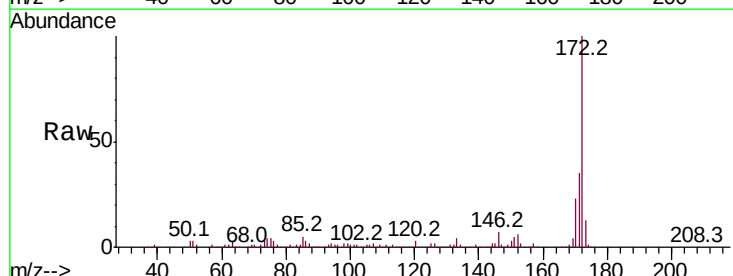
Instrument :  
 BNA\_G  
 ClientSampleId :  
 155-CONCRETE

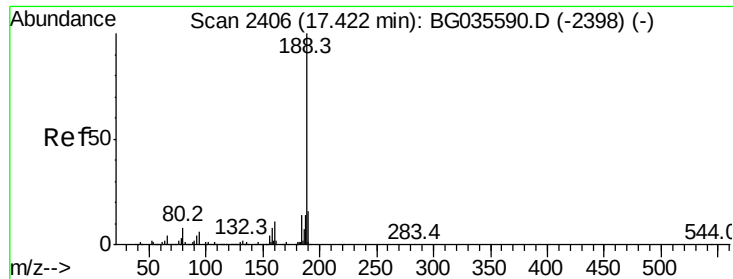
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 77.0  | 115.6 |
| 141     | 36.9  | 25.2  | 37.8  |



#44  
 2-Fluorobiphenyl  
 Concen: 100.344 ng  
 RT: 13.25 min Scan# 1696  
 Delta R.T. -0.02 min  
 Lab File: BG036210.D  
 Acq: 8 Aug 2018 23:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 30.0  | 45.0  |
| 170     | 22.9  | 19.5  | 29.3  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2398

Delta R.T. -0.02 min

Lab File: BG036210.D

Acq: 8 Aug 2018 23:10

Instrument :

BNA\_G

ClientSampleId :

155-CONCRETE

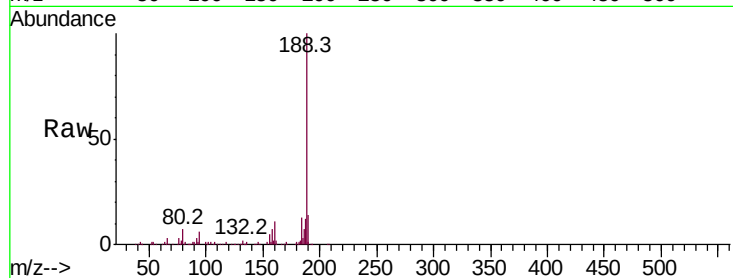
Tot Ion:188 Resp: 222752

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

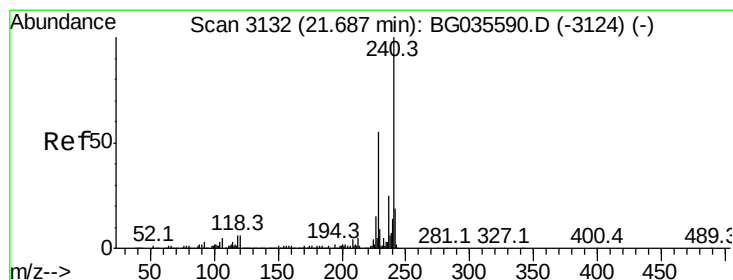
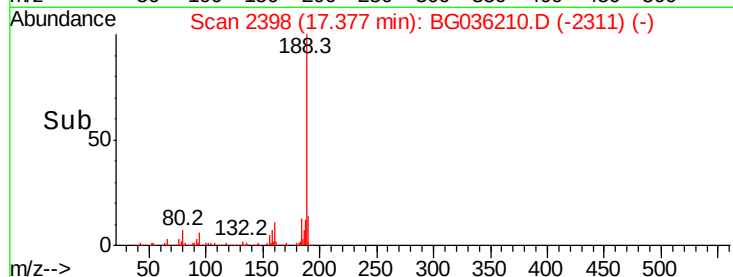
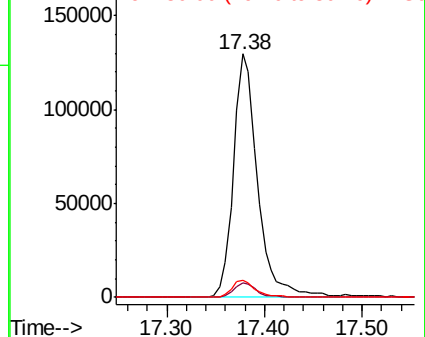
80 7.0 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036210.D

Acq: 8 Aug 2018 23:10

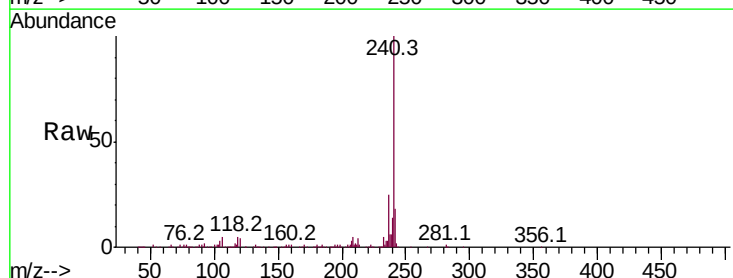
Tgt Ion:240 Resp: 238255

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

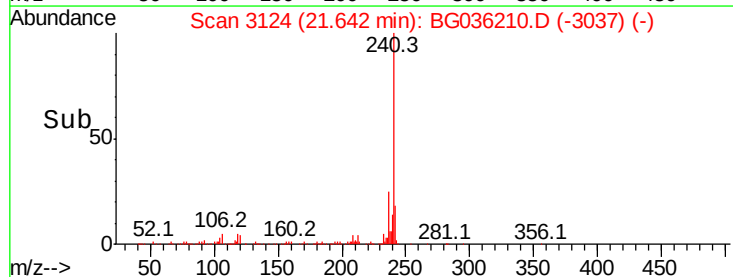
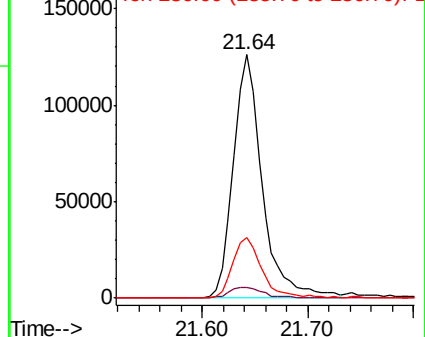
236 25.1 20.9 31.3

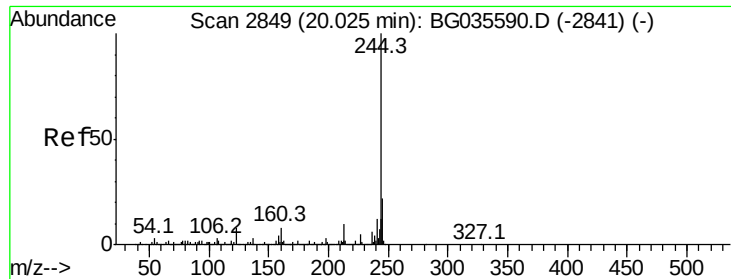


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 110.962 ng

RT: 19.99 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036210.D

Acq: 8 Aug 2018 23:10

Instrument :

BNA\_G

ClientSampleId :

155-CONCRETE

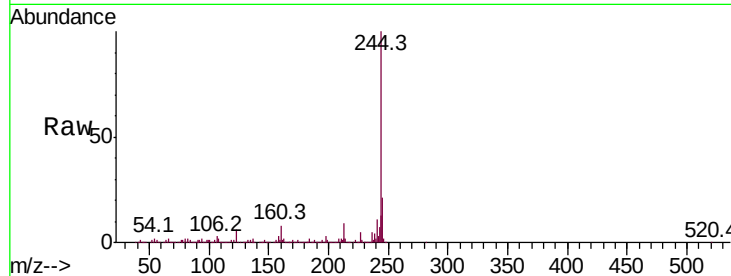
Tot Ion:244 Resp: 1199344

Ion Ratio Lower Upper

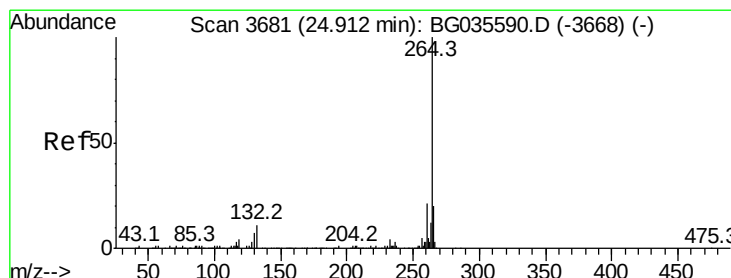
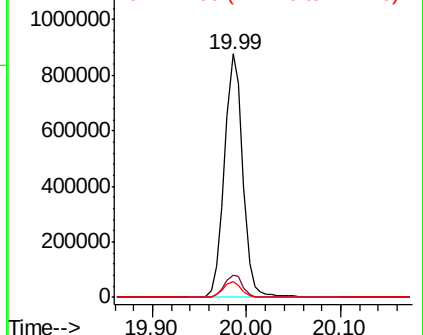
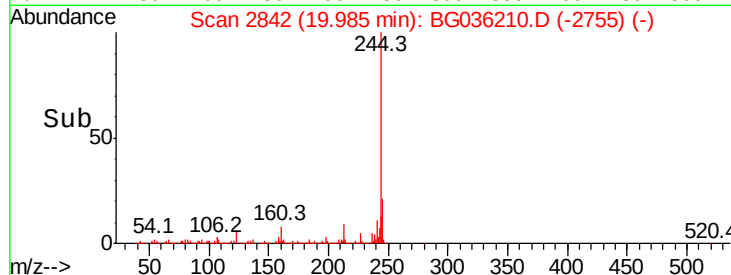
244 100

212 9.1 5.8 8.8#

122 6.3 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: 24.83 min Scan# 3667

Delta R.T. -0.03 min

Lab File: BG036210.D

Acq: 8 Aug 2018 23:10

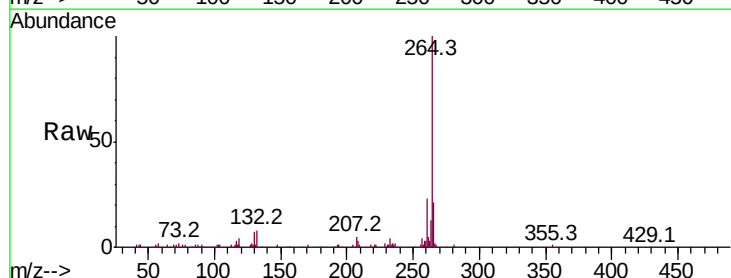
Tgt Ion:264 Resp: 216080

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 21.4 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

