

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080818\  
 Data File : BG036199.D  
 Acq On : 8 Aug 2018 15:56  
 Operator : JU/SJ  
 Sample : PB111868BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB111868BL

Quant Time: Aug 08 17:51:48 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  | 26044    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.81 | 136  | 85363    | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.64 | 164  | 63827    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.38 | 188  | 188033   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.64 | 240  | 214042   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.84 | 264  | 197549   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 227161   | 144.81 | ng    | 0.00     |
| 7) Phenol-d6                | 7.18  | 99   | 310991   | 132.88 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 211871   | 103.68 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.12 | 330  | 155611   | 184.97 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.26 | 172  | 498299   | 104.59 | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.98 | 244  | 1080950  | 111.32 | ng    | -0.02    |

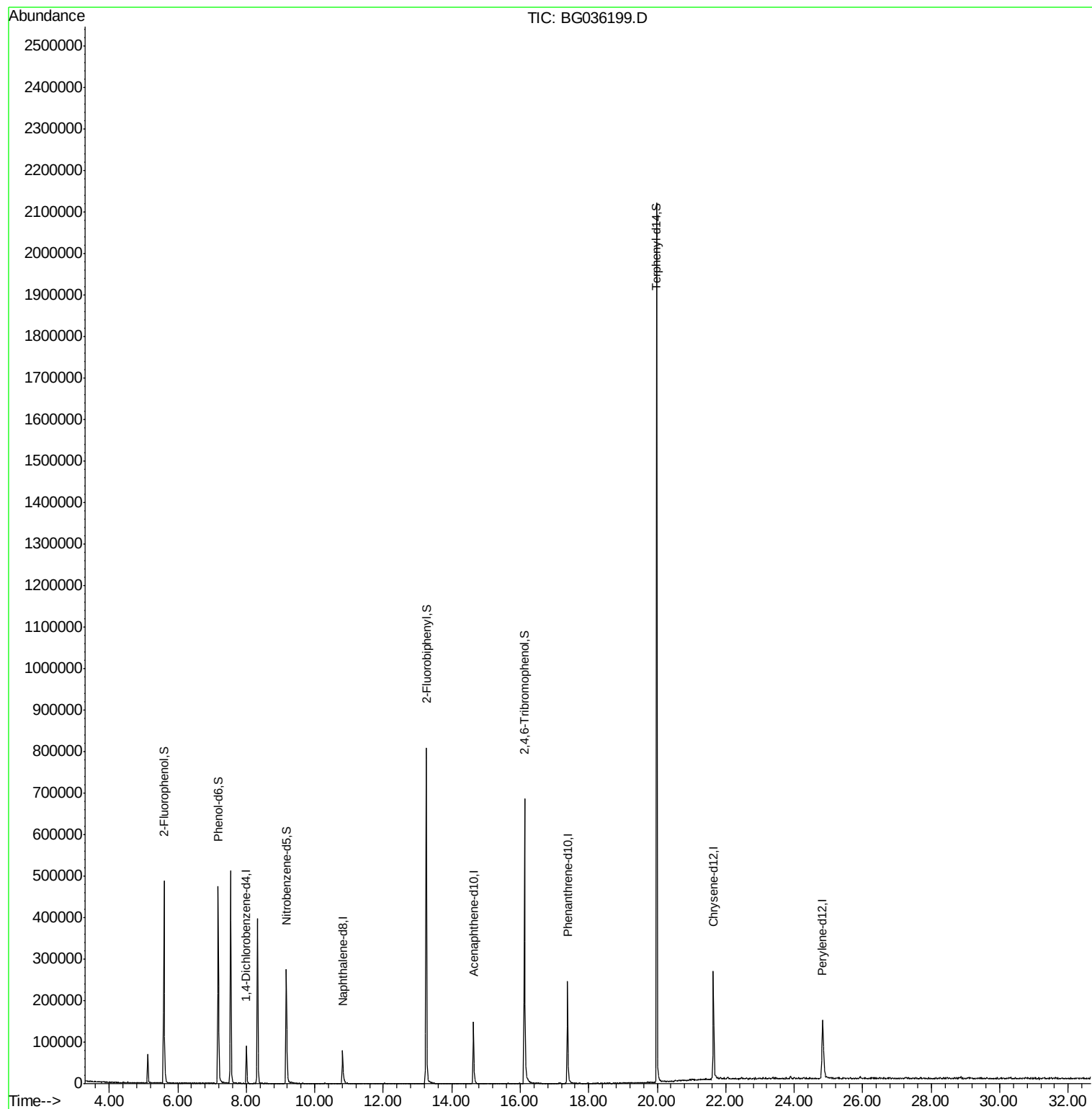
Target Compounds Qvalue

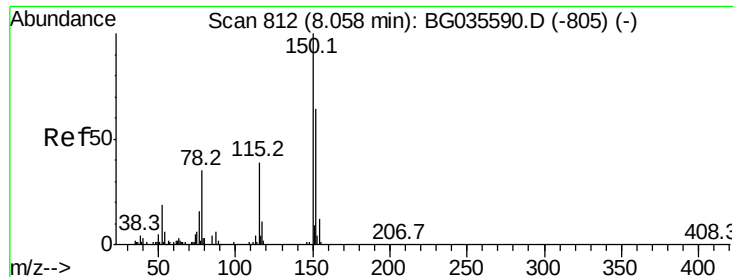
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.02 min

Lab File: BG036199.D

Acq: 8 Aug 2018 15:56

Instrument :

BNA\_G

ClientSampleId :

PB111868BL

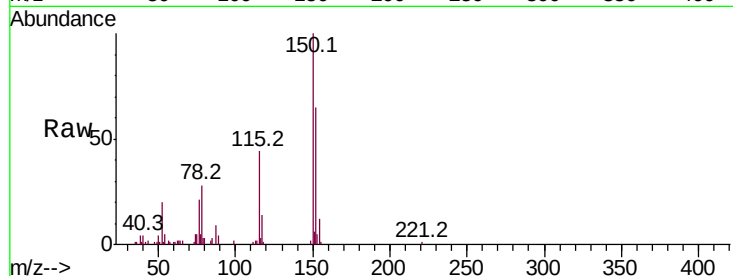
Tot Ion:152 Resp: 26044

Ion Ratio Lower Upper

152 100

150 153.0 126.6 189.8

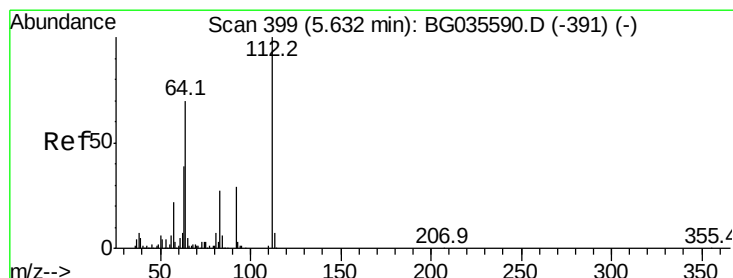
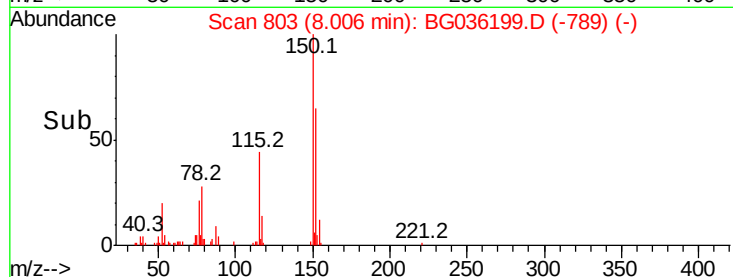
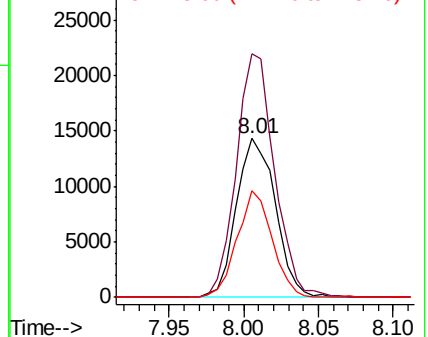
115 66.9 53.0 79.4



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: 144.809 ng

RT: 5.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: BG036199.D

Acq: 8 Aug 2018 15:56

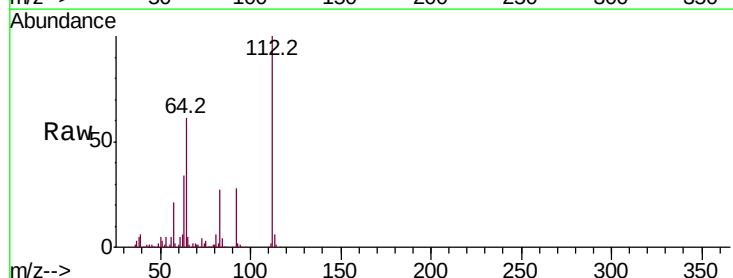
Tgt Ion:112 Resp: 227161

Ion Ratio Lower Upper

112 100

64 61.0 56.3 84.5

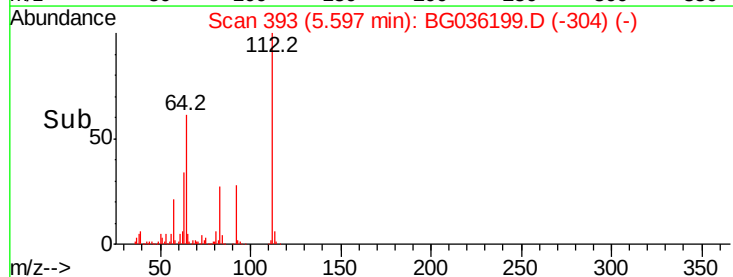
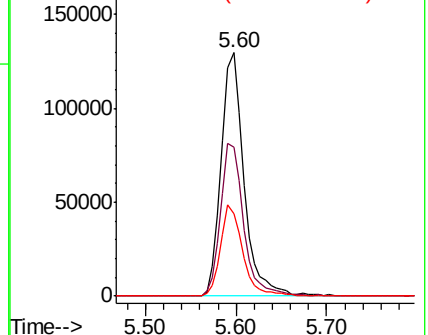
63 33.8 30.1 45.1

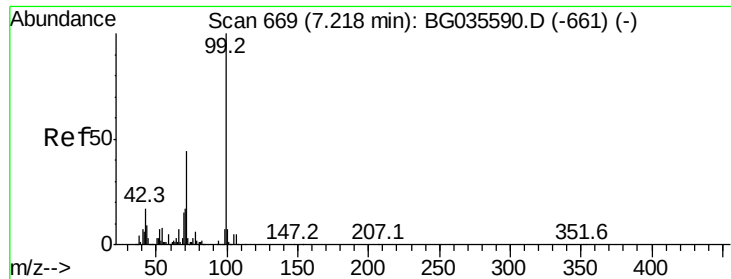


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 132.875 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036199.D

Acq: 8 Aug 2018 15:56

Instrument :

BNA\_G

ClientSampleId :

PB111868BL

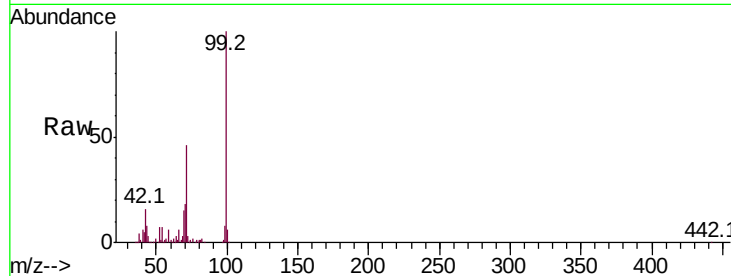
Tot Ion: 99 Resp: 310991

Ion Ratio Lower Upper

99 100

42 16.2 14.1 21.1

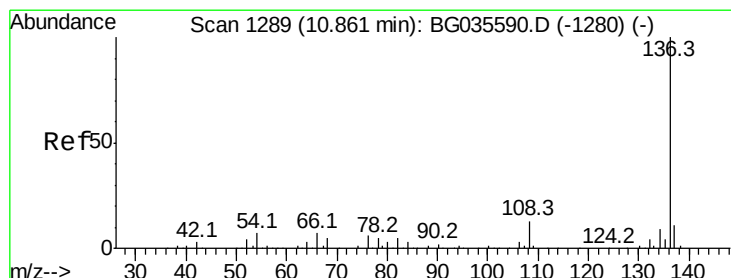
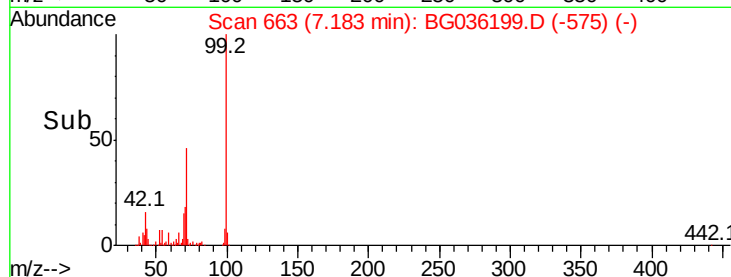
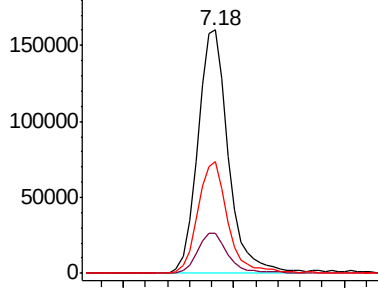
71 45.9 26.1 39.1#



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: 10.81 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036199.D

Acq: 8 Aug 2018 15:56

Tgt Ion: 136 Resp: 85363

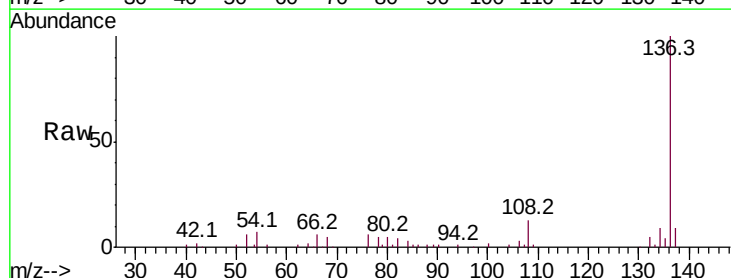
Ion Ratio Lower Upper

136 100

137 9.4 9.2 13.8

54 6.6 10.3 15.5#

68 4.5 4.5 6.7

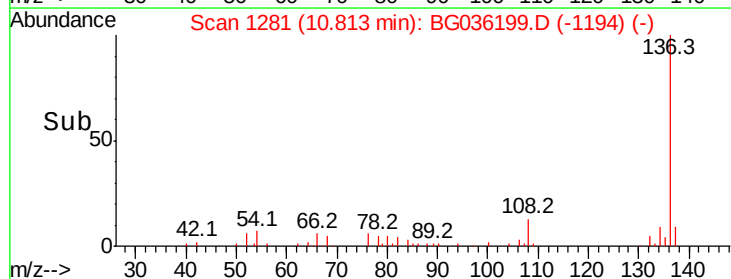
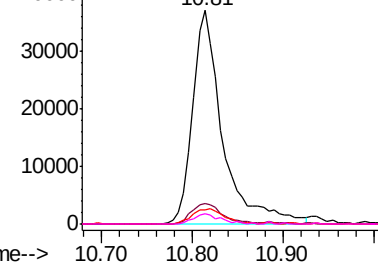


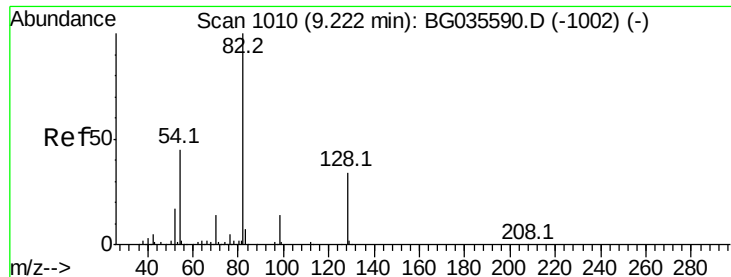
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

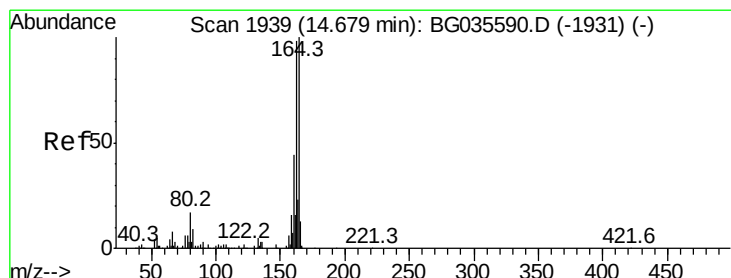
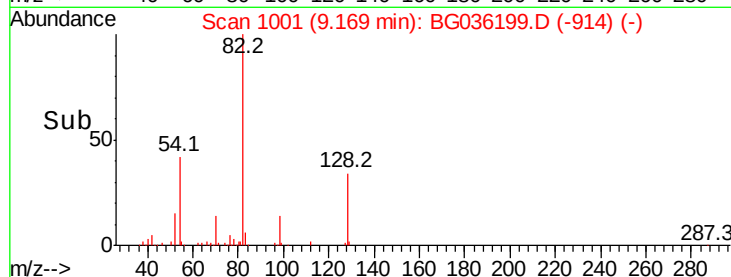
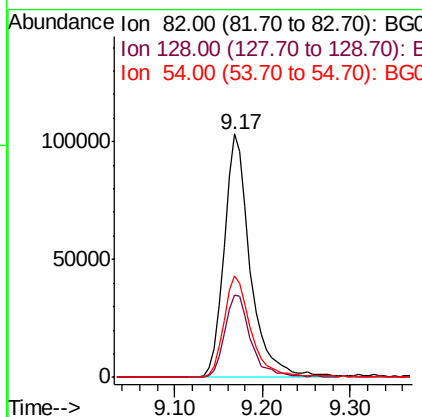
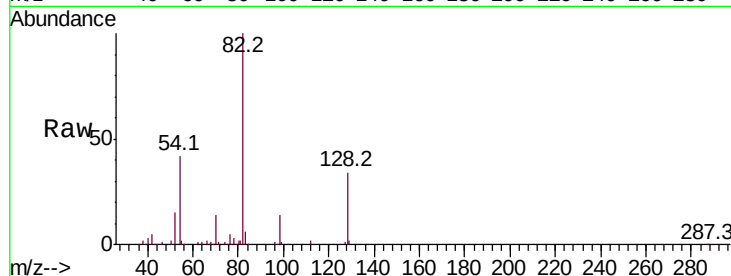




#23  
 Nitrobenzene-d5  
 Concen: 103.685 ng  
 RT: 9.17 min Scan# 1001  
 Delta R.T. -0.02 min  
 Lab File: BG036199.D  
 Acq: 8 Aug 2018 15:56

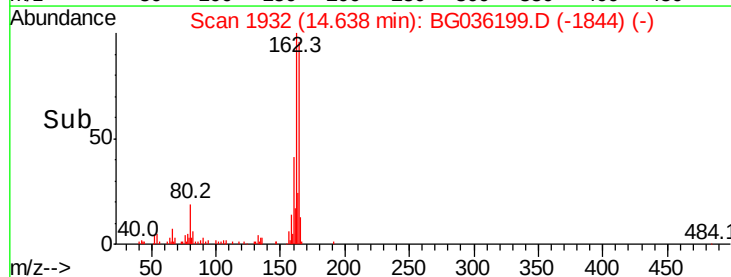
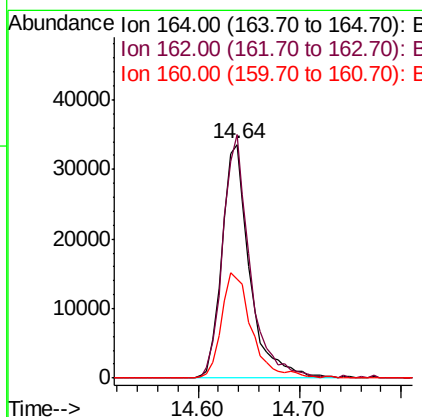
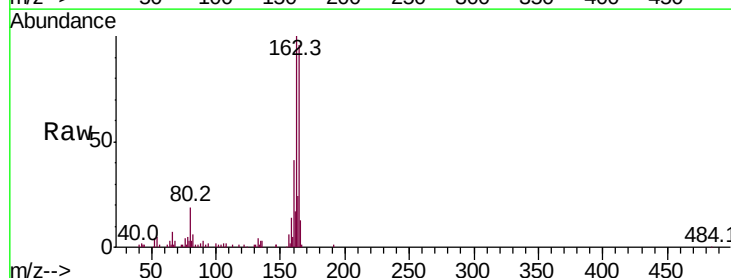
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB111868BL

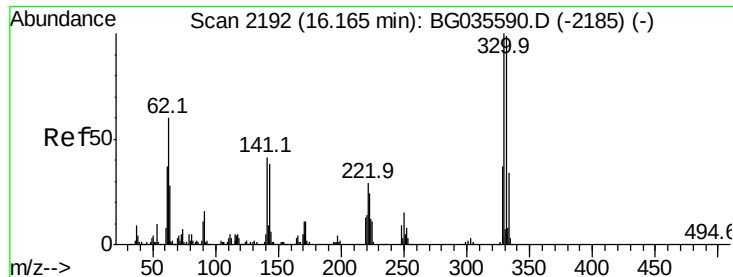
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 33.6  | 29.7  | 44.5  |
| 54      | 41.9  | 43.1  | 64.7# |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.64 min Scan# 1932  
 Delta R.T. -0.01 min  
 Lab File: BG036199.D  
 Acq: 8 Aug 2018 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.3 | 78.8  | 118.2 |
| 160     | 42.6  | 35.4  | 53.0  |

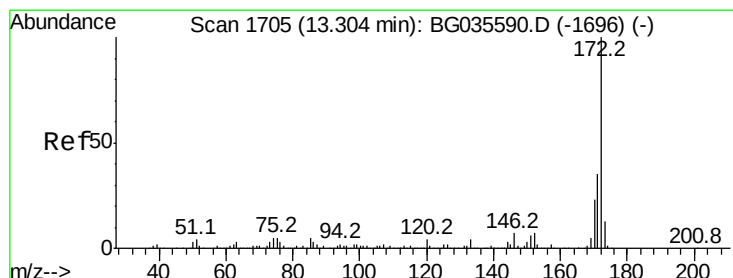
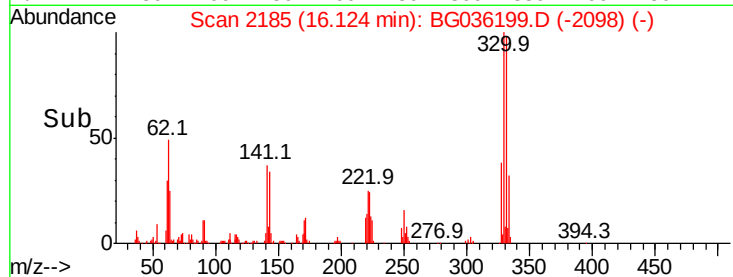
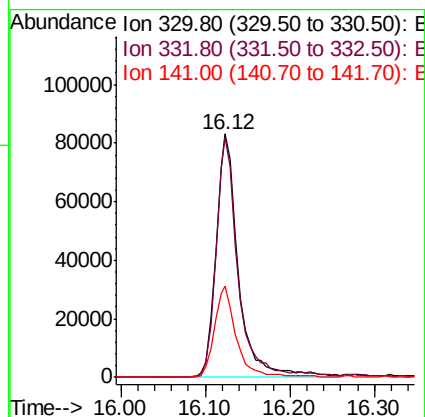
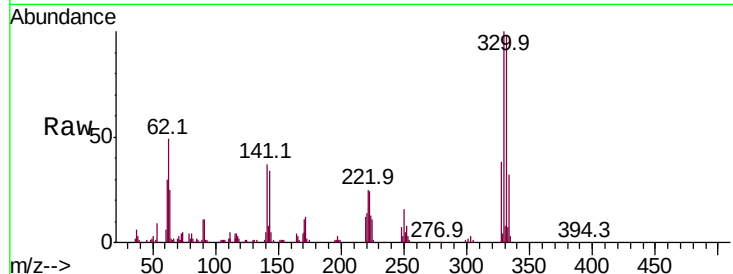




#41  
 2,4,6-Tribromophenol  
 Concen: 184.969 ng  
 RT: 16.12 min Scan# 2185  
 Delta R.T. -0.02 min  
 Lab File: BG036199.D  
 Acq: 8 Aug 2018 15:56

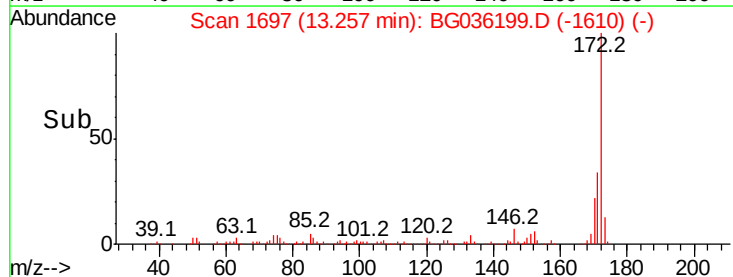
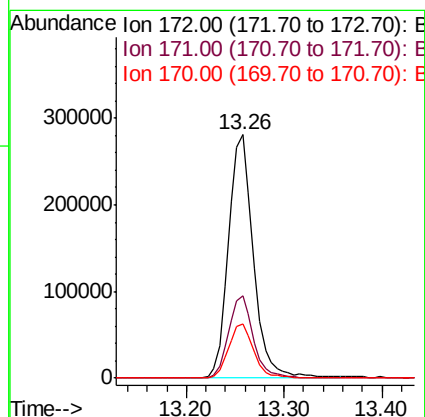
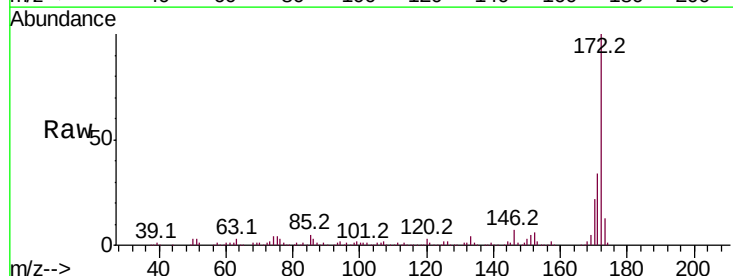
Instrument :  
 BNA\_G  
 ClientSampled :  
 PB111868BL

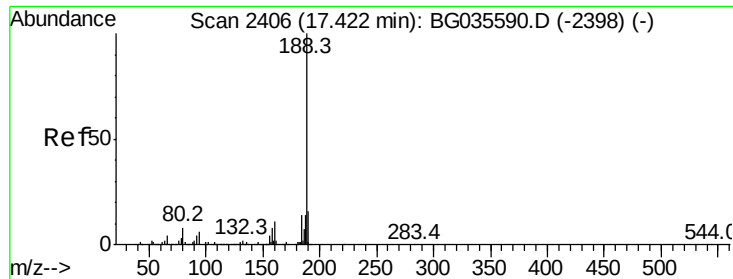
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.0  | 77.0  | 115.6 |
| 141     | 35.9  | 25.2  | 37.8  |



#44  
 2-Fluorobiphenyl  
 Concen: 104.594 ng  
 RT: 13.26 min Scan# 1697  
 Delta R.T. -0.02 min  
 Lab File: BG036199.D  
 Acq: 8 Aug 2018 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.6  | 30.0  | 45.0  |
| 170     | 22.1  | 19.5  | 29.3  |

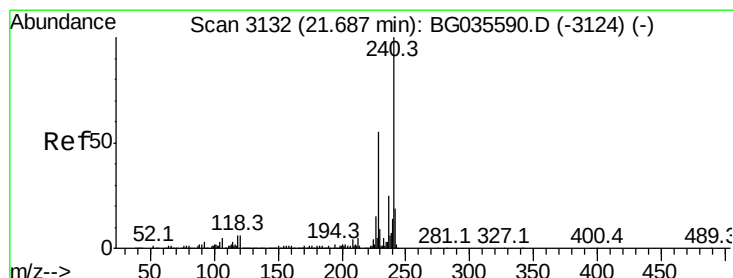
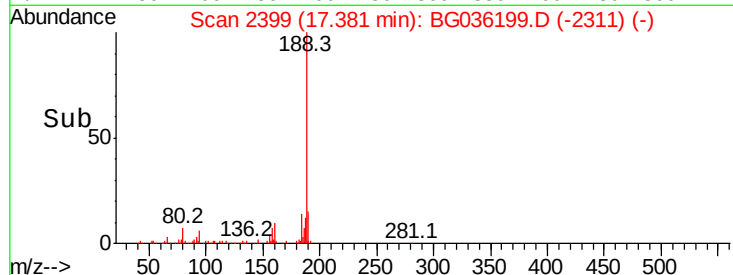
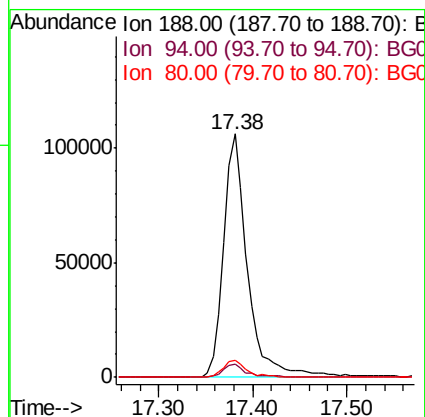
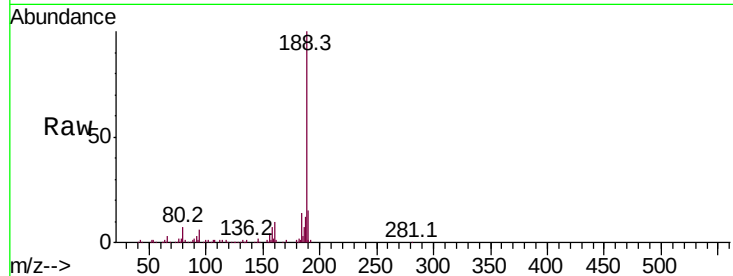




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.38 min Scan# 2399  
Delta R.T. -0.01 min  
Lab File: BG036199.D  
Acq: 8 Aug 2018 15:56

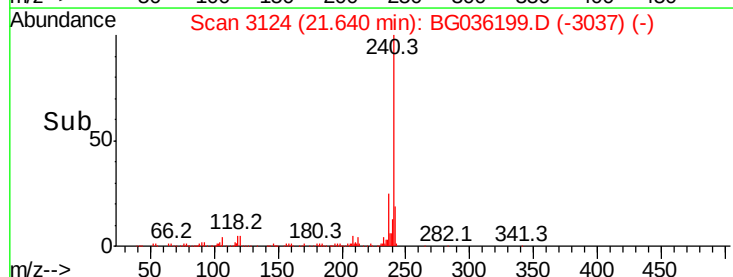
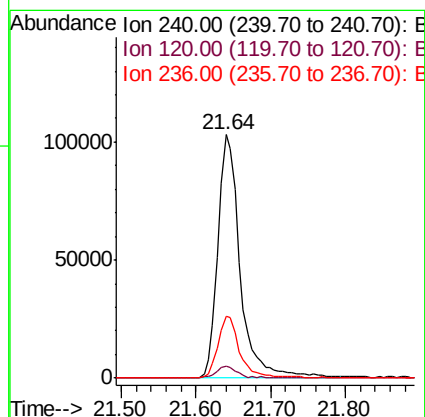
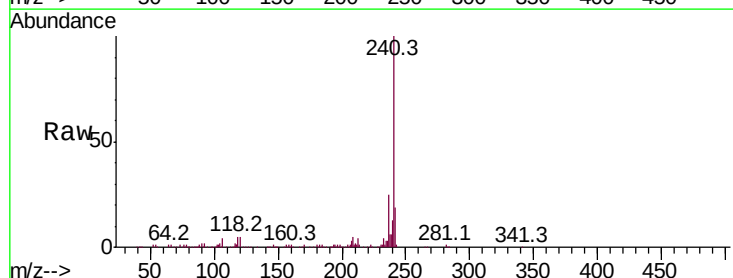
Instrument :  
BNA\_G  
ClientSampleId :  
PB111868BL

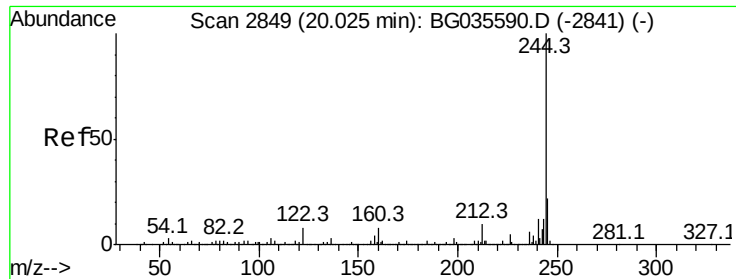
Tot Ion:188 Resp: 188033  
Ion Ratio Lower Upper  
188 100  
94 5.6 6.9 10.3#  
80 7.0 7.7 11.5#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.64 min Scan# 3124  
Delta R.T. -0.02 min  
Lab File: BG036199.D  
Acq: 8 Aug 2018 15:56

Tgt Ion:240 Resp: 214042  
Ion Ratio Lower Upper  
240 100  
120 5.0 6.8 10.2#  
236 25.4 20.9 31.3





#78

Terphenyl-d14

Concen: 111.321 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036199.D

Acq: 8 Aug 2018 15:56

Instrument :

BNA\_G

ClientSampleId :

PB111868BL

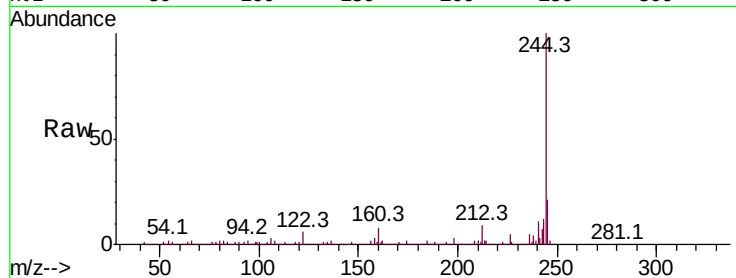
Tot Ion:244 Resp: 1080950

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

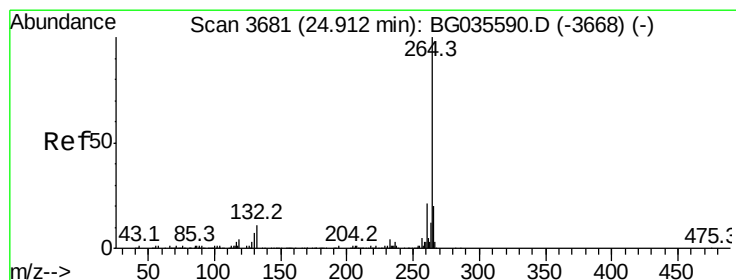
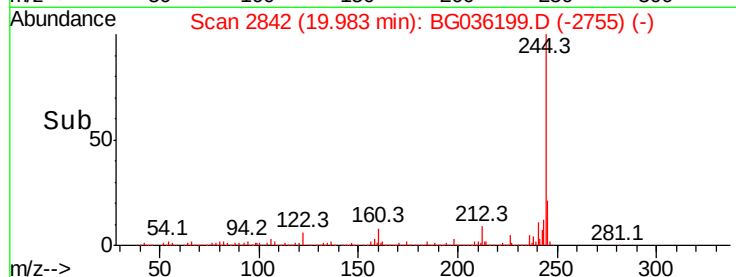
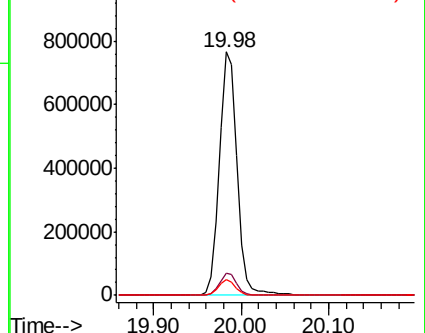
122 6.3 7.0 10.4#



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: 24.84 min Scan# 3668

Delta R.T. -0.02 min

Lab File: BG036199.D

Acq: 8 Aug 2018 15:56

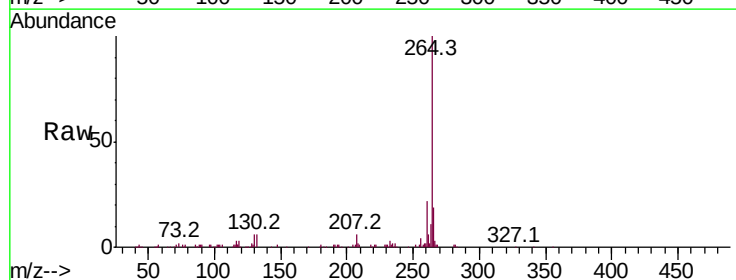
Tgt Ion:264 Resp: 197549

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

265 19.5 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

