

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120418\  
 Data File : BG038350.D  
 Acq On : 5 Dec 2018 8:26  
 Operator : JU/SJ  
 Sample : PB115253BL  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115253BL

Quant Time: Dec 05 10:21:41 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 04 17:15:40 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.07  | 152  | 33795    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.89 | 136  | 174170   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.70 | 164  | 79472    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.45 | 188  | 212876   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.74 | 240  | 214770   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.05 | 264  | 224536   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 206959   | 108.37 | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 257262   | 93.21  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.25  | 82   | 162485   | 46.32  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.20 | 330  | 111107   | 113.88 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.33 | 172  | 390573   | 70.03  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.06 | 244  | 863371   | 86.12  | ng    | 0.00     |

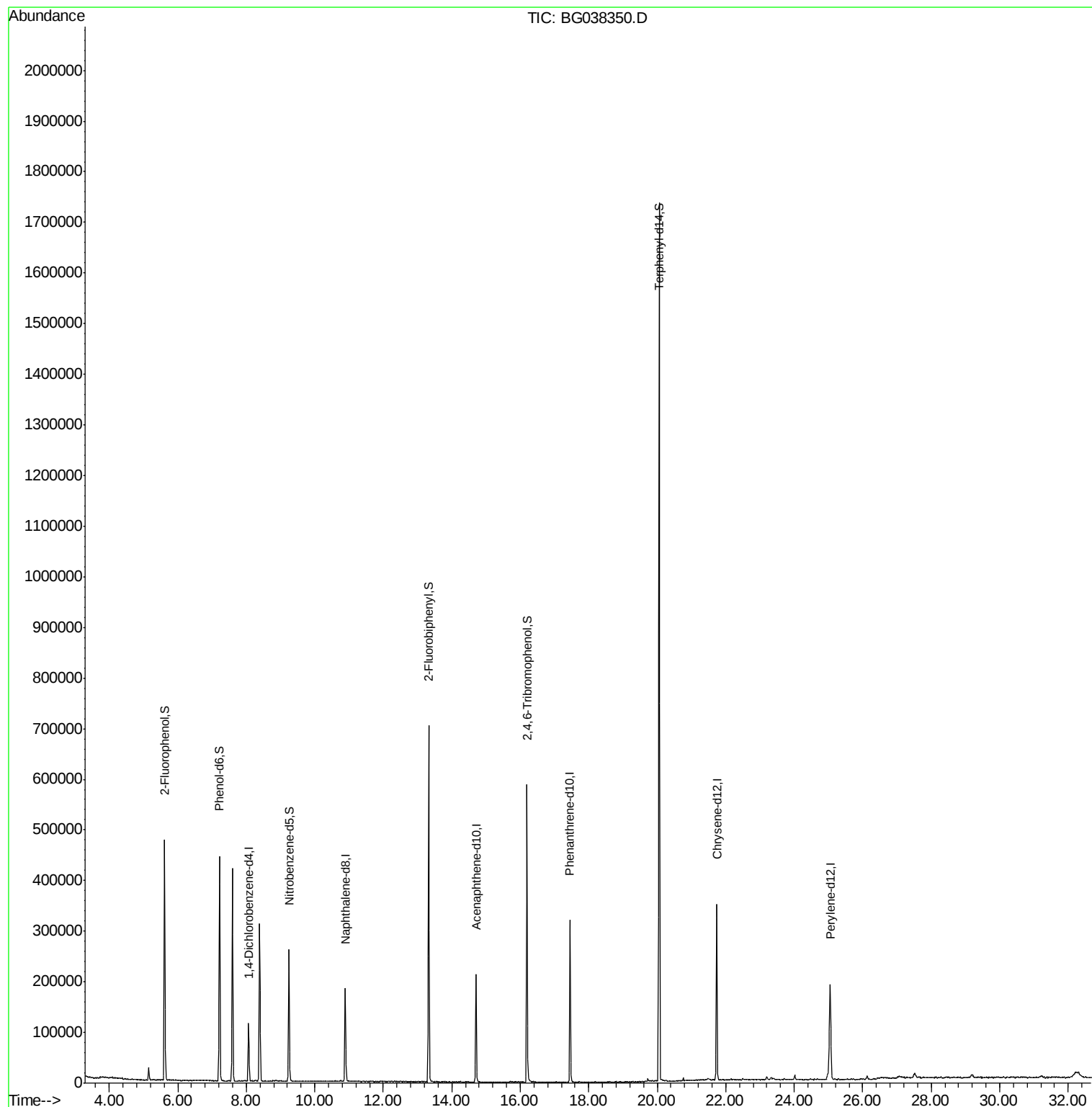
Target Compounds Qvalue

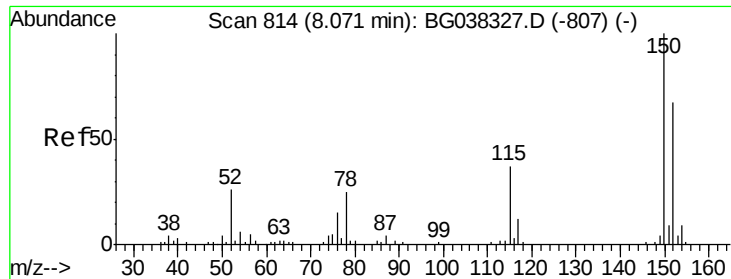
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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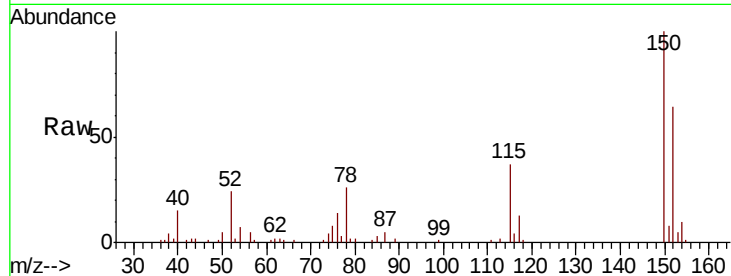


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.07 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BG038350.D  
Acq: 5 Dec 2018 8:26

Instrument :  
BNA\_G  
ClientSampleId :  
PB115253BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.6 | 126.0 | 189.0 |
| 115     | 57.2  | 45.5  | 68.3  |

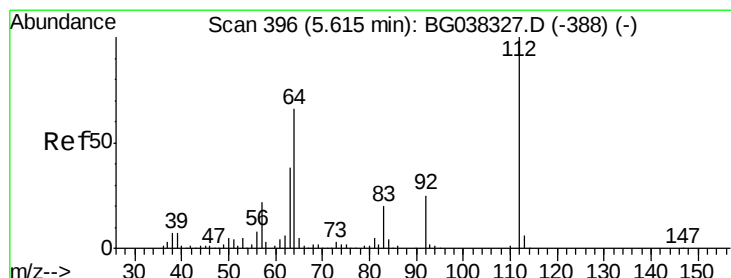
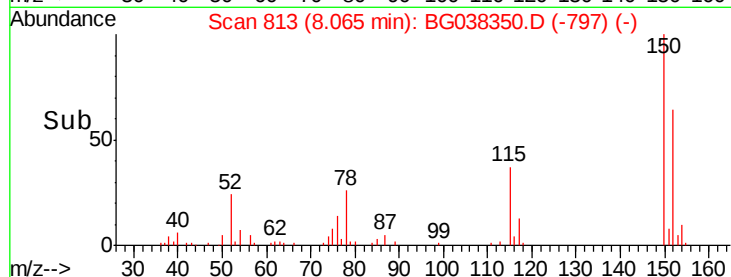
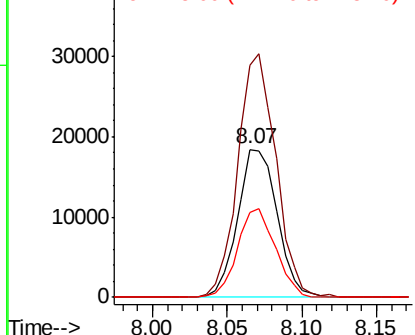


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

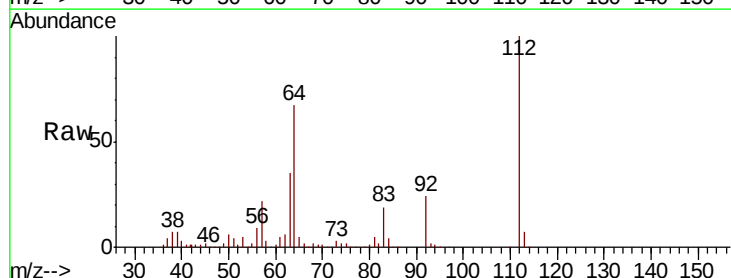
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 108.372 ng  
RT: 5.62 min Scan# 396  
Delta R.T. 0.00 min  
Lab File: BG038350.D  
Acq: 5 Dec 2018 8:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 67.4  | 53.1  | 79.7  |
| 63      | 35.1  | 27.3  | 40.9  |

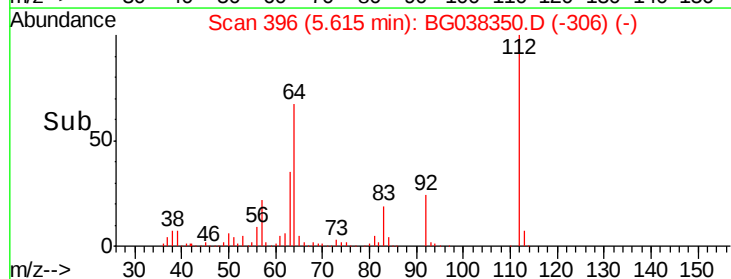
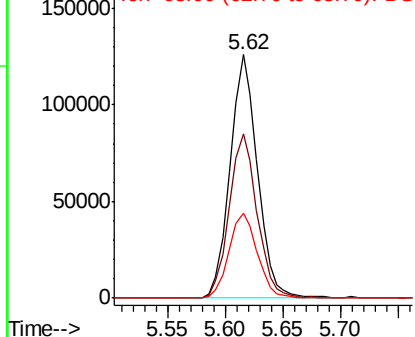


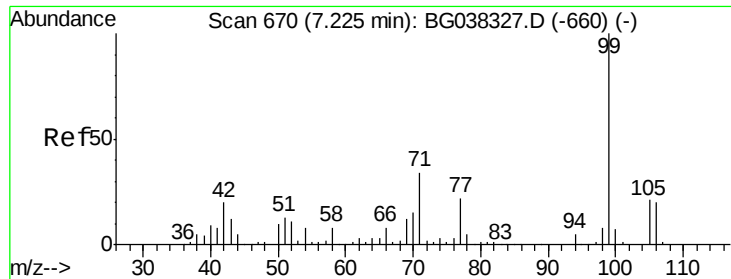
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 93.205 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038350.D

Acq: 5 Dec 2018 8:26

Instrument :

BNA\_G

ClientSampleId :

PB115253BL

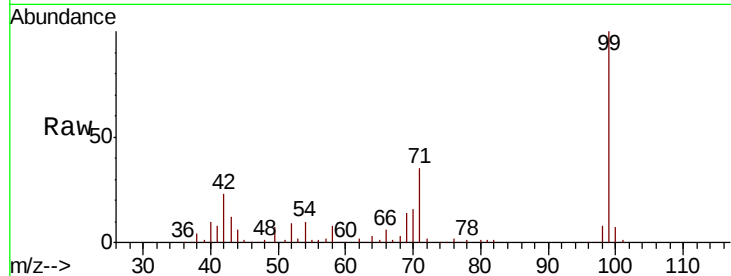
Tot Ion: 99 Resp: 257262

Ion Ratio Lower Upper

99 100

42 22.7 15.0 22.4#

71 35.5 25.5 38.3

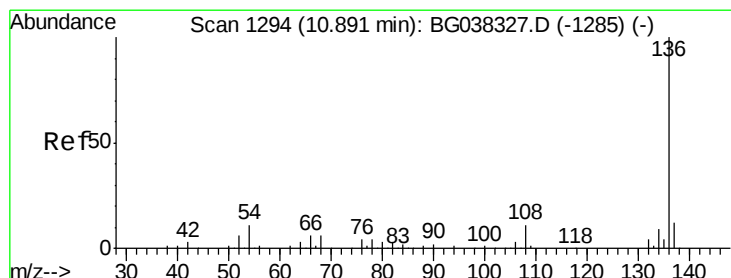
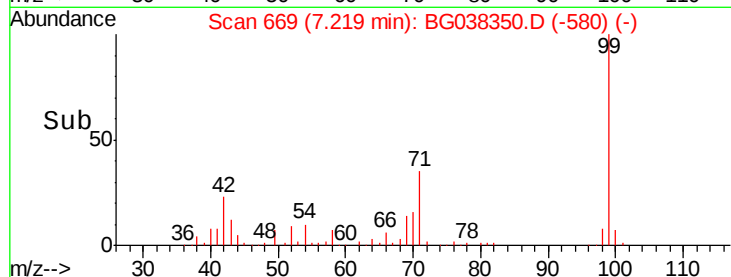
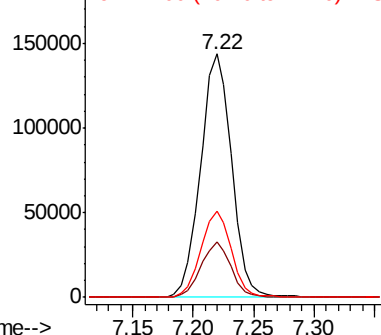


Abundance

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: 10.89 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BG038350.D

Acq: 5 Dec 2018 8:26

Tgt Ion: 136 Resp: 174170

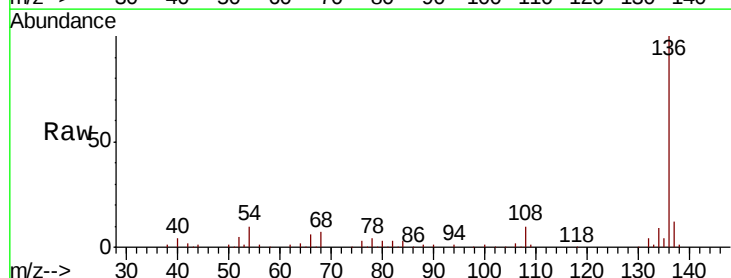
Ion Ratio Lower Upper

136 100

137 12.3 9.6 14.4

54 10.2 7.9 11.9

68 6.7 4.8 7.2



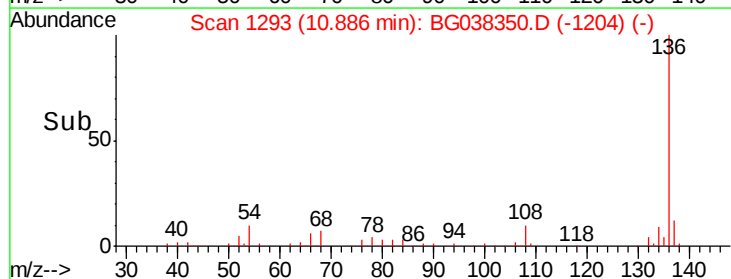
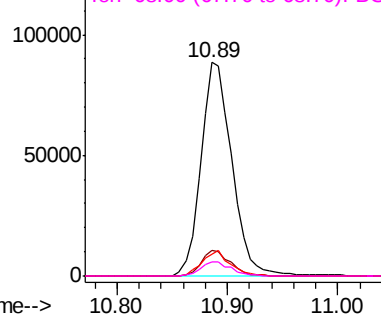
Abundance

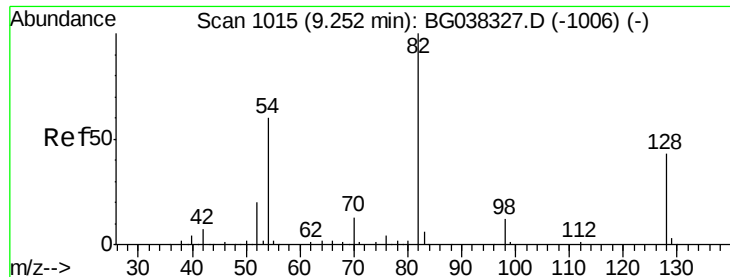
Ion 136.00 (135.70 to 136.70): BGC

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

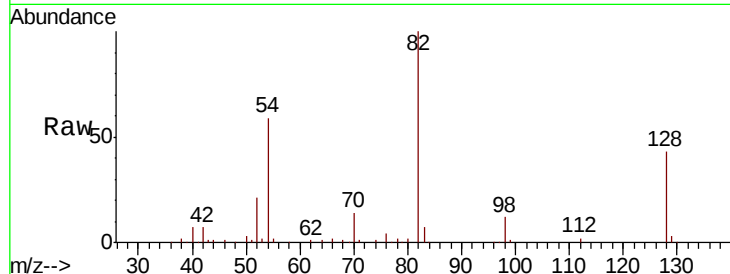




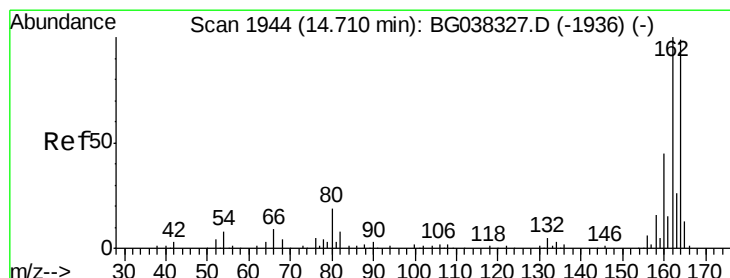
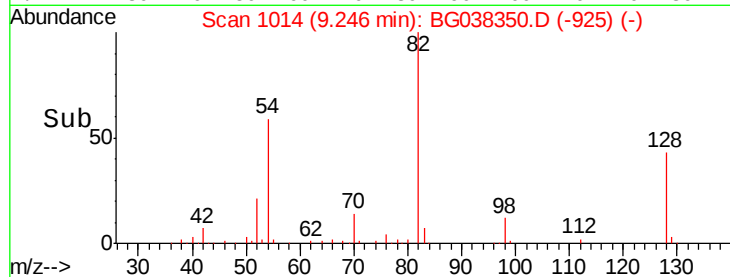
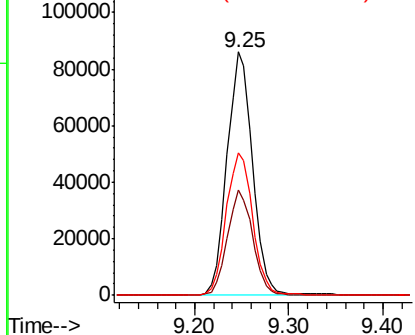
#23  
Nitrobenzene-d5  
Concen: 46.317 ng  
RT: 9.25 min Scan# 1014  
Delta R.T. -0.01 min  
Lab File: BG038350.D  
Acq: 5 Dec 2018 8:26

Instrument :  
BNA\_G  
ClientSampleId :  
PB115253BL

Tot Ion: 82 Resp: 162485  
Ion Ratio Lower Upper  
82 100  
128 43.3 34.6 51.8  
54 58.5 45.3 67.9

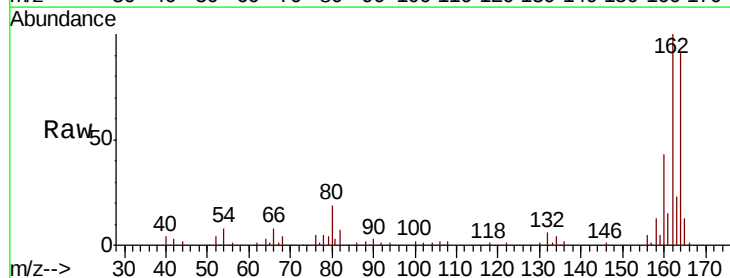


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

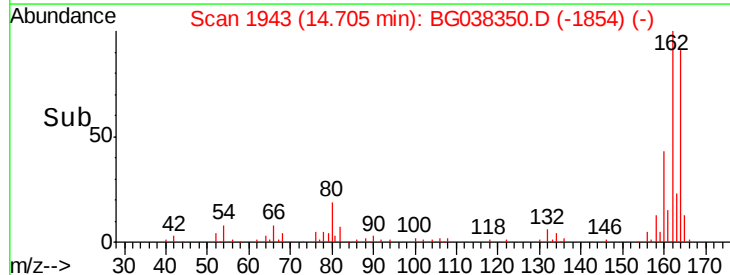
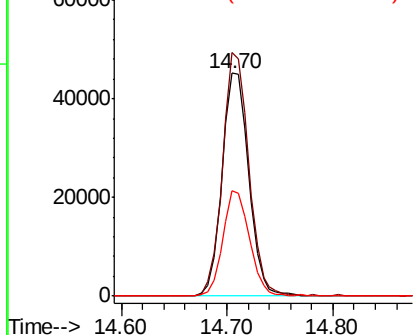


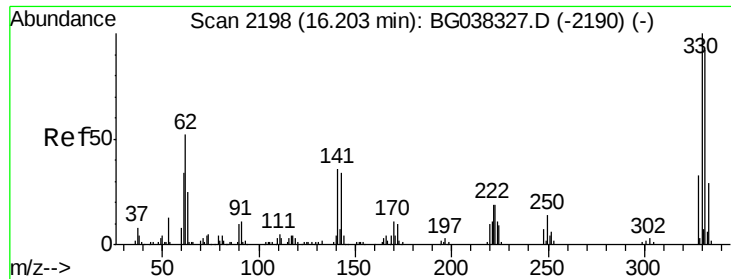
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.70 min Scan# 1943  
Delta R.T. -0.01 min  
Lab File: BG038350.D  
Acq: 5 Dec 2018 8:26

Tgt Ion:164 Resp: 79472  
Ion Ratio Lower Upper  
164 100  
162 109.4 81.3 121.9  
160 47.5 36.3 54.5



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

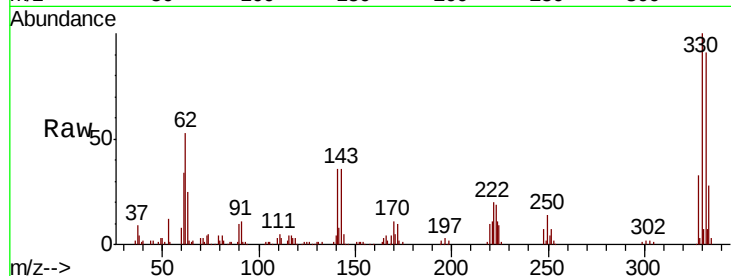




#42  
 2,4,6-Tribromophenol  
 Concen: 113.884 ng  
 RT: 16.20 min Scan# 2197  
 Delta R.T. -0.01 min  
 Lab File: BG038350.D  
 Acq: 5 Dec 2018 8:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115253BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.3  | 78.4  | 117.6 |
| 141     | 38.9  | 32.2  | 48.2  |

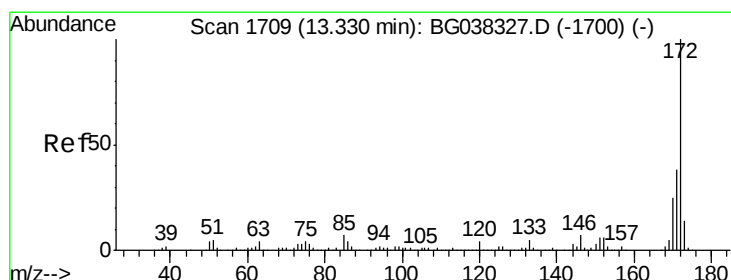
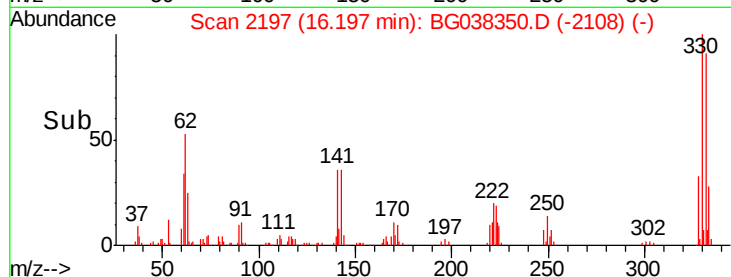
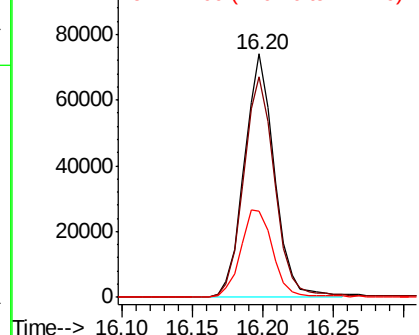


Abundance

Ion 329.80 (329.50 to 330.50): E

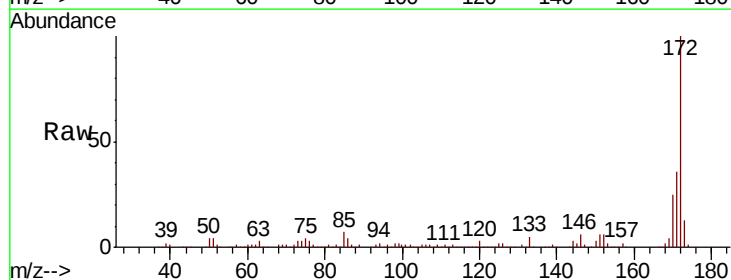
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 70.029 ng  
 RT: 13.33 min Scan# 1709  
 Delta R.T. 0.00 min  
 Lab File: BG038350.D  
 Acq: 5 Dec 2018 8:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 31.0  | 46.4  |
| 170     | 24.5  | 20.2  | 30.2  |

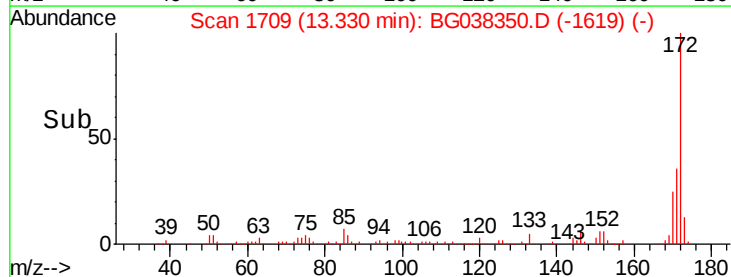
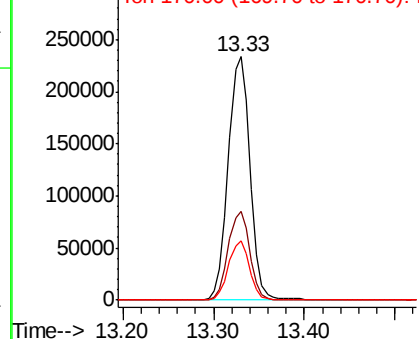


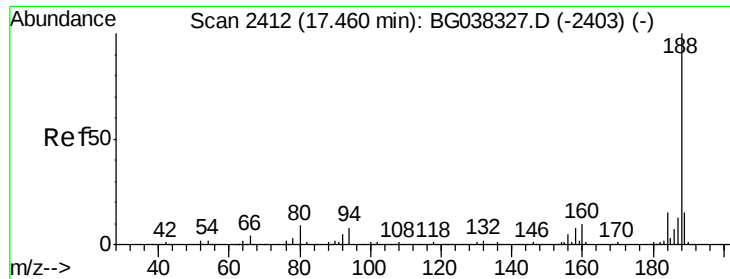
Abundance

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

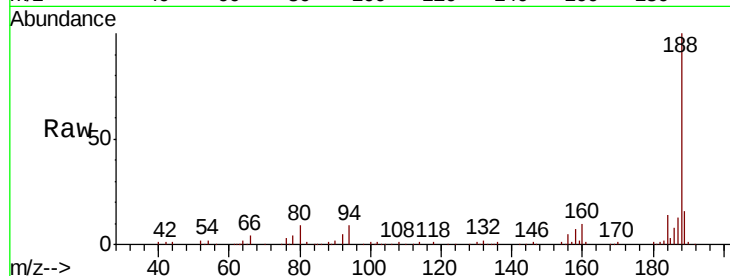




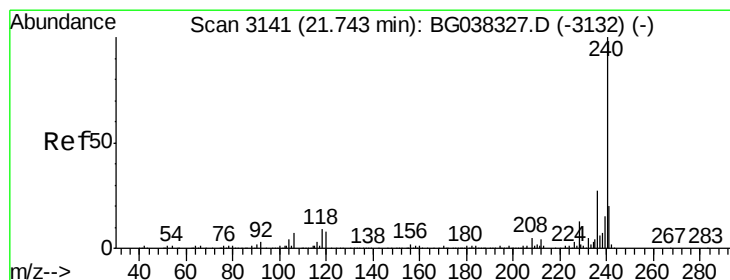
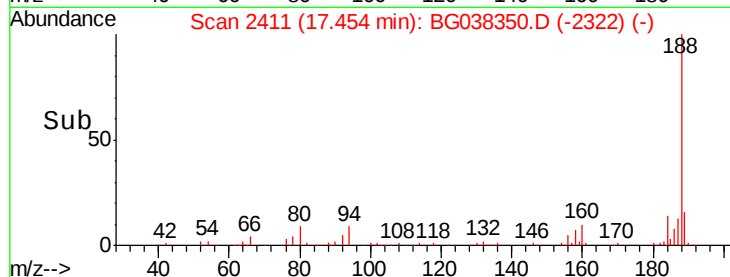
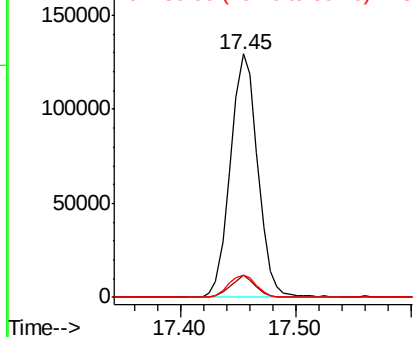
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.45 min Scan# 2411  
Delta R.T. -0.01 min  
Lab File: BG038350.D  
Acq: 5 Dec 2018 8:26

Instrument :  
BNA\_G  
ClientSampleId :  
PB115253BL

Tot Ion:188 Resp: 212876  
Ion Ratio Lower Upper  
188 100  
94 9.1 7.2 10.8  
80 9.0 7.7 11.5

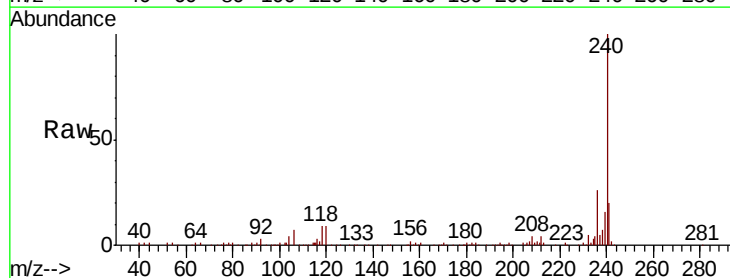


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

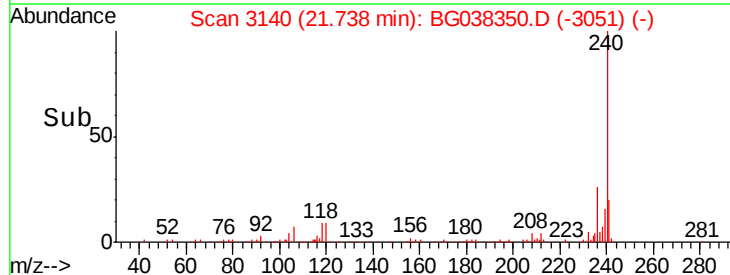
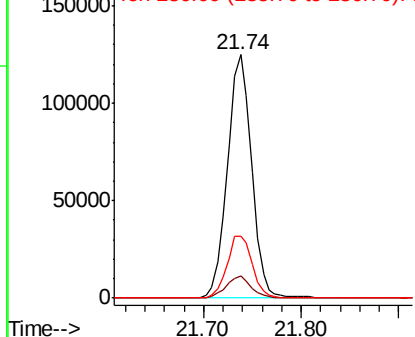


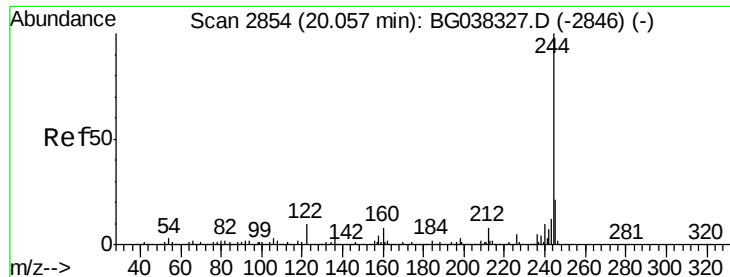
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.74 min Scan# 3140  
Delta R.T. -0.01 min  
Lab File: BG038350.D  
Acq: 5 Dec 2018 8:26

Tgt Ion:240 Resp: 214770  
Ion Ratio Lower Upper  
240 100  
120 9.2 8.1 12.1  
236 25.6 21.4 32.0



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





#79

Terphenyl-d14

Concen: 86.118 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG038350.D

Acq: 5 Dec 2018 8:26

Instrument :

BNA\_G

ClientSampleId :

PB115253BL

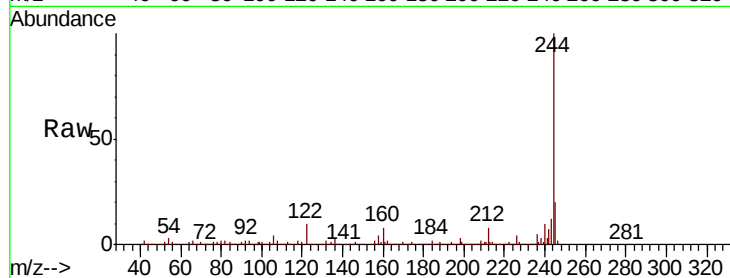
Tot Ion:244 Resp: 863371

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

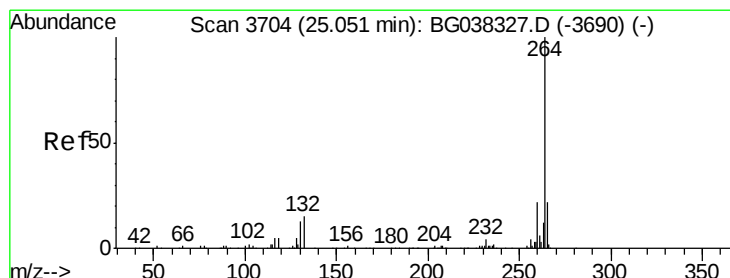
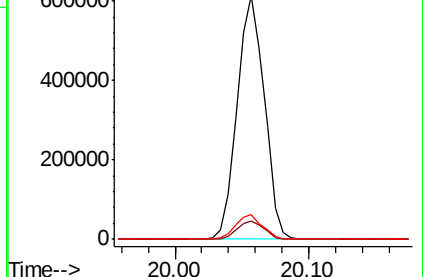
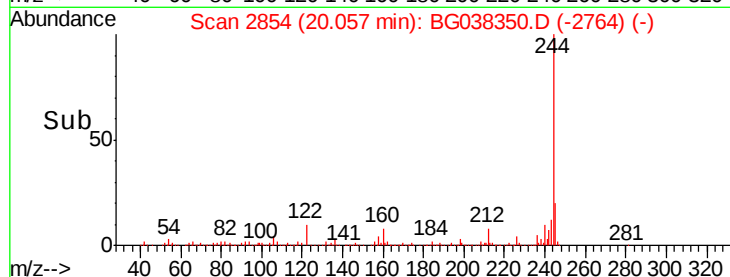
122 10.2 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.05 min Scan# 3703

Delta R.T. -0.01 min

Lab File: BG038350.D

Acq: 5 Dec 2018 8:26

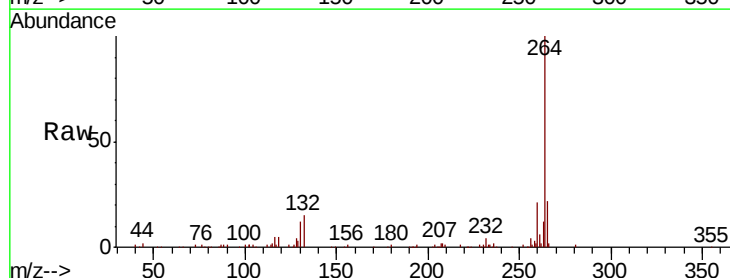
Tgt Ion:264 Resp: 224536

Ion Ratio Lower Upper

264 100

260 21.3 18.2 27.4

265 22.0 17.9 26.9



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

