

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG121718\  
 Data File : BG038670.D  
 Acq On : 17 Dec 2018 19:42  
 Operator : JU/SJ  
 Sample : J6391-04  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P001-SS015-1218-01

Quant Time: Dec 18 03:36:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

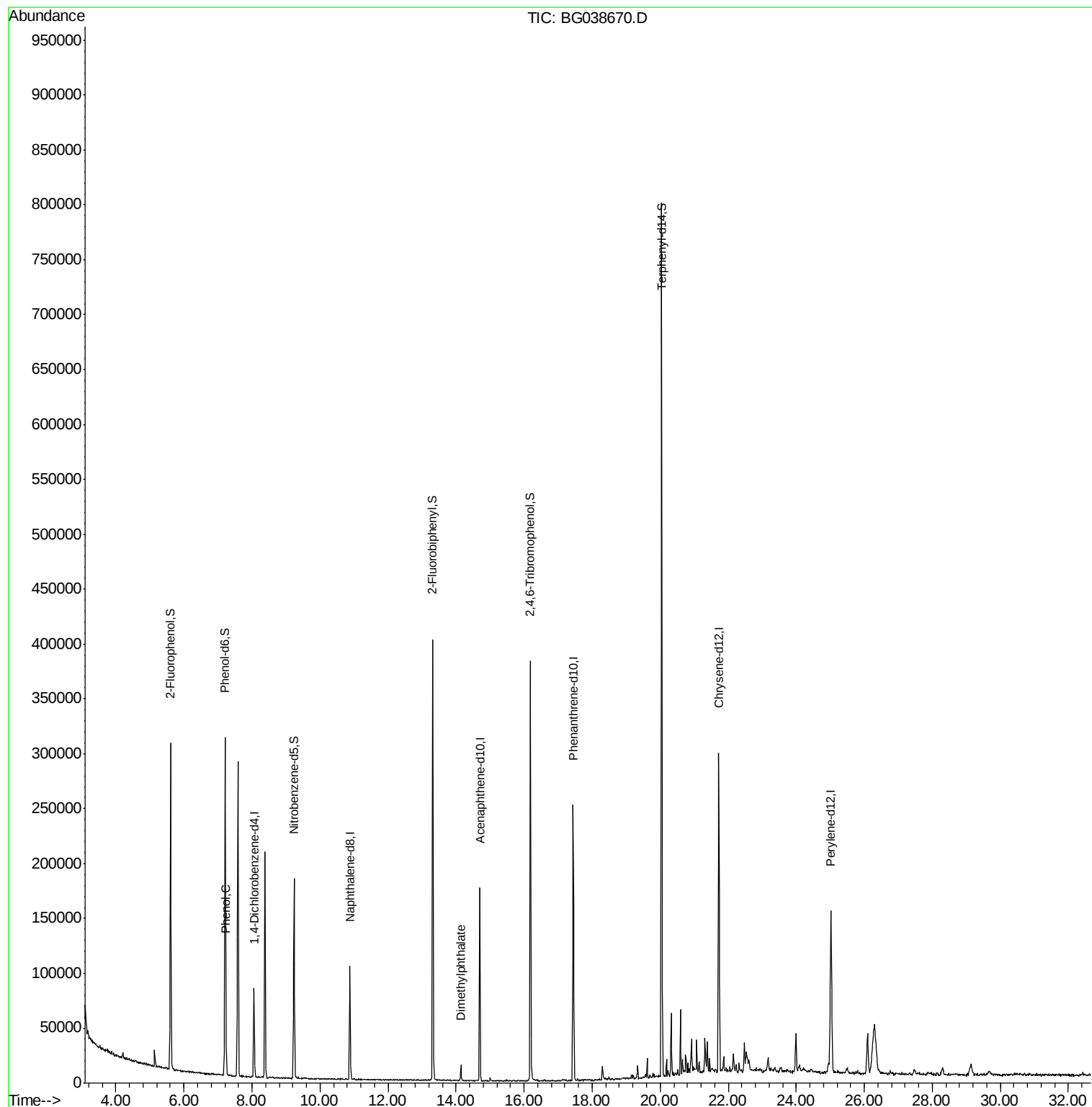
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.06  | 152  | 22934    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.88 | 136  | 90727    | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.70 | 164  | 62064    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.44 | 188  | 163852   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.73 | 240  | 166121   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 25.02 | 264  | 179271   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 124052   | 95.94 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 169140   | 95.29 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 108569   | 61.13 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.18 | 330  | 75884    | 88.72 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.31 | 172  | 219185   | 48.45 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.04 | 244  | 384036   | 50.31 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 7.24  | 94   | 9630     | 5.106 | ng    | 92       |
| 50) Dimethylphthalate       | 14.15 | 163  | 11193    | 2.208 | ng    | # 95     |

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

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Sample : J6391-04  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
P001-SS015-1218-01

Quant Time: Dec 18 03:36:25 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 12 15:26:27 2018  
Response via : Initial Calibration

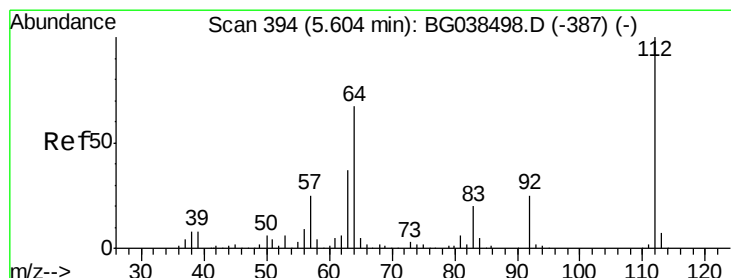
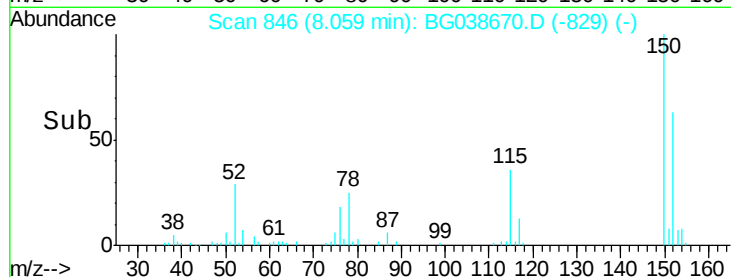
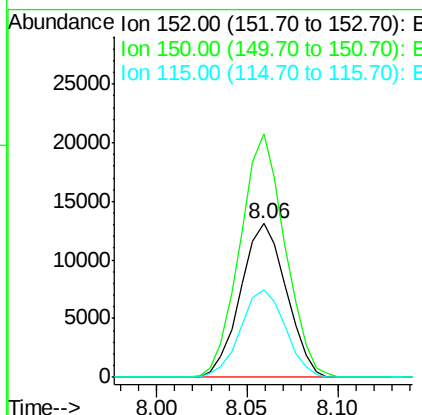
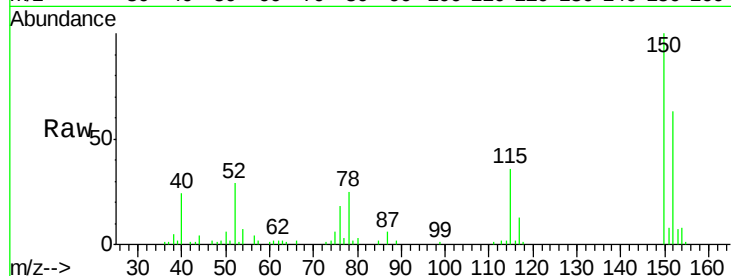




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.06 min Scan# 846  
 Delta R.T. -0.00 min  
 Lab File: BG038670.D  
 Acq: 17 Dec 2018 19:42

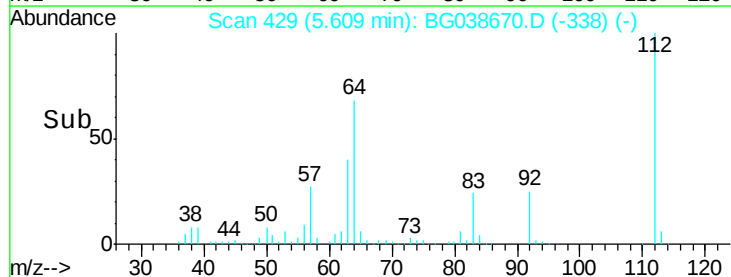
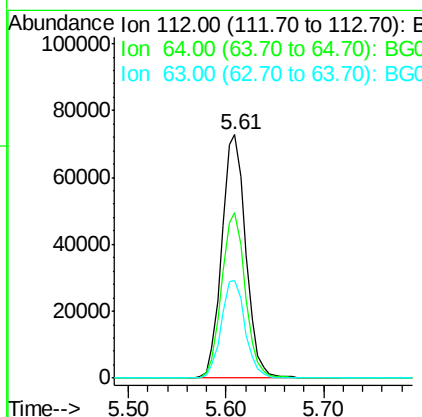
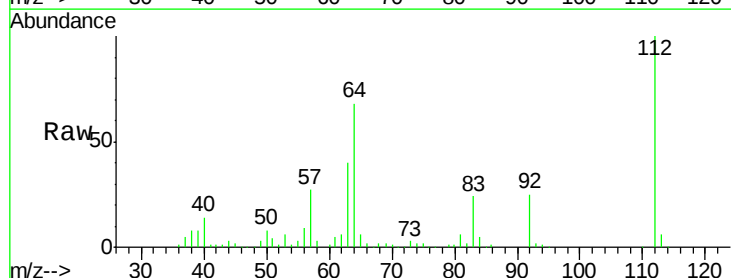
Instrument :  
 BNA\_G  
 ClientSampleId :  
 P001-SS015-1218-01

Tgt Ion:152 Resp: 22934  
 Ion Ratio Lower Upper  
 152 100  
 150 158.6 119.5 179.3  
 115 56.8 49.6 74.4



#5  
 2-Fluorophenol  
 Concen: 95.938 ng  
 RT: 5.61 min Scan# 429  
 Delta R.T. 0.01 min  
 Lab File: BG038670.D  
 Acq: 17 Dec 2018 19:42

Tgt Ion:112 Resp: 124052  
 Ion Ratio Lower Upper  
 112 100  
 64 67.8 53.4 80.2  
 63 39.9 29.3 43.9





#7

Phenol-d6

Concen: 95.285 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038670.D

Acq: 17 Dec 2018 19:42

Instrument :

BNA\_G

ClientSampleId :

P001-SS015-1218-01

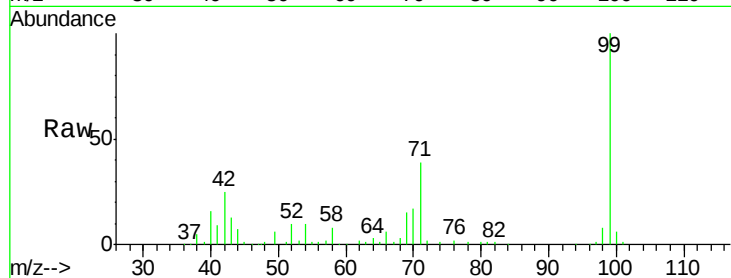
Tgt Ion: 99 Resp: 169140

Ion Ratio Lower Upper

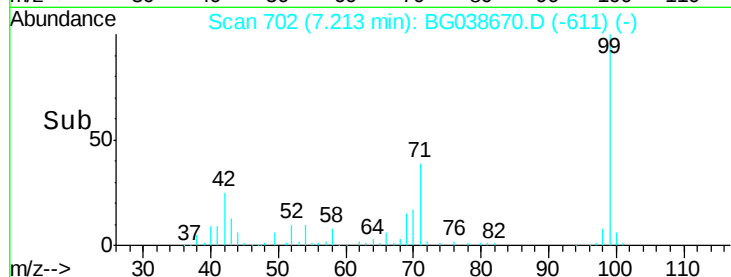
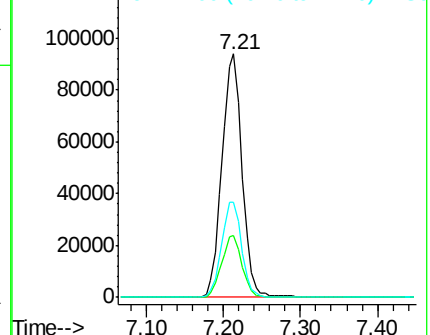
99 100

42 25.3 18.5 27.7

71 39.3 31.1 46.7



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



#10

Phenol

Concen: 5.106 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038670.D

Acq: 17 Dec 2018 19:42

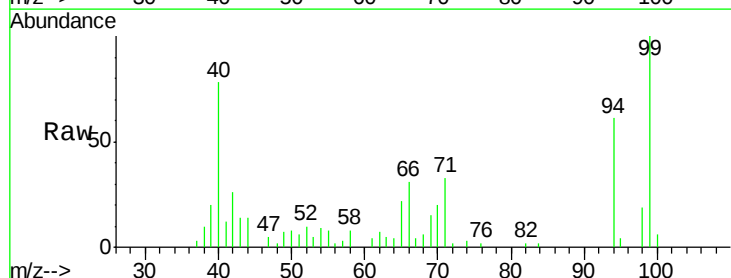
Tgt Ion: 94 Resp: 9630

Ion Ratio Lower Upper

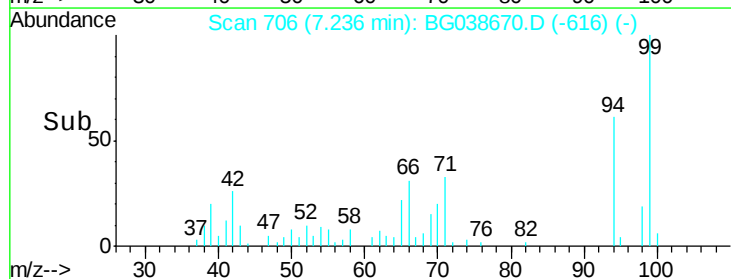
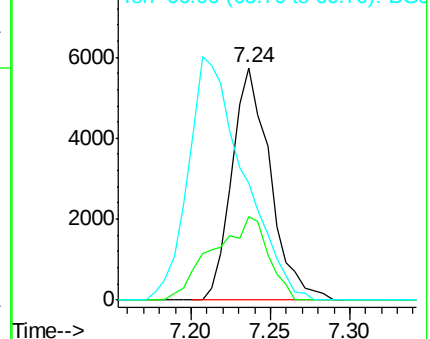
94 100

65 35.9 12.6 52.6

66 50.1 24.1 64.1



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

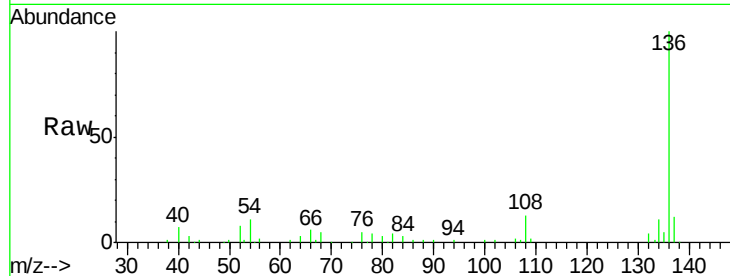




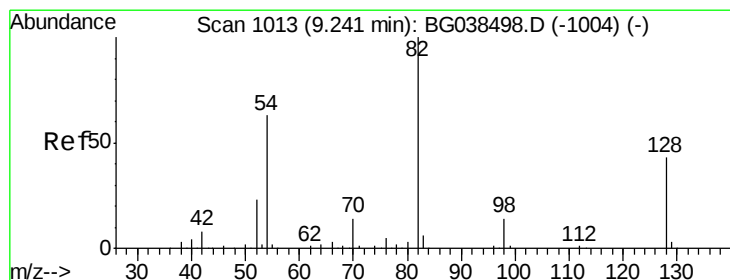
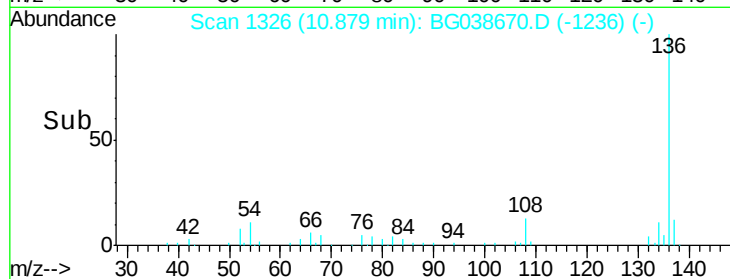
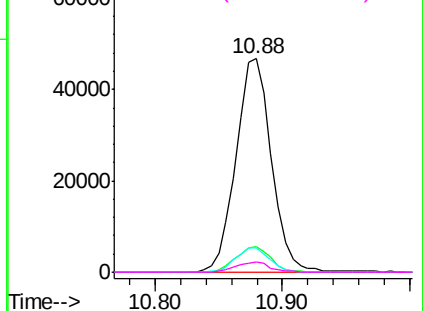
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.88 min Scan# 1326  
Delta R.T. -0.00 min  
Lab File: BG038670.D  
Acq: 17 Dec 2018 19:42

Instrument :  
BNA\_G  
ClientSampleId :  
P001-SS015-1218-01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 90727 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.3  | 9.3   | 13.9  |
| 54       | 11.4  | 8.5   | 12.7  |
| 68       | 4.6   | 3.5   | 5.3   |

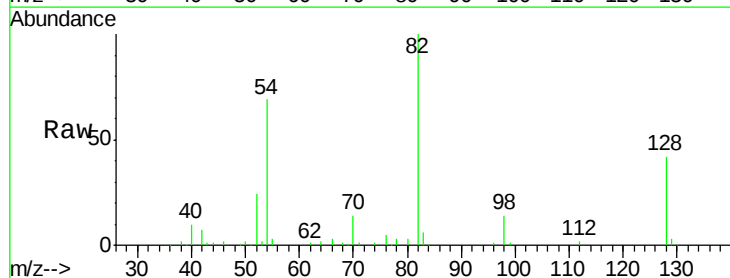


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

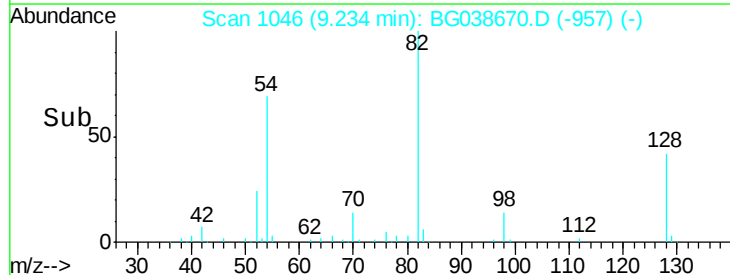
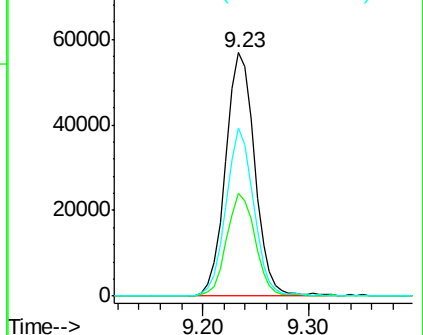


#23  
Nitrobenzene-d5  
Concen: 61.134 ng  
RT: 9.23 min Scan# 1046  
Delta R.T. -0.01 min  
Lab File: BG038670.D  
Acq: 17 Dec 2018 19:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 108569 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.0  | 34.6  | 52.0   |
| 54       | 68.9  | 50.6  | 76.0   |



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038670.D

Acq: 17 Dec 2018 19:42

Instrument :

BNA\_G

ClientSampleId :

P001-SS015-1218-01

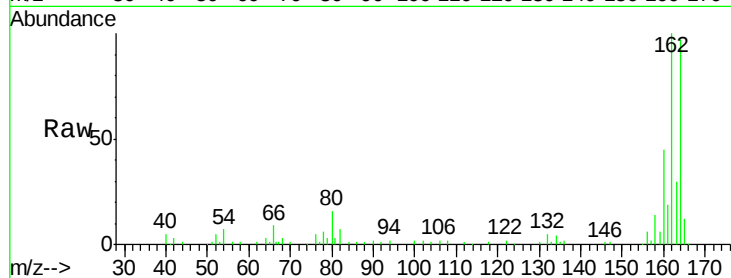
Tgt Ion:164 Resp: 62064

Ion Ratio Lower Upper

164 100

162 103.1 86.6 130.0

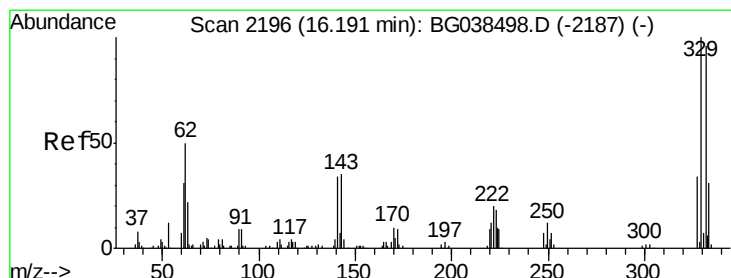
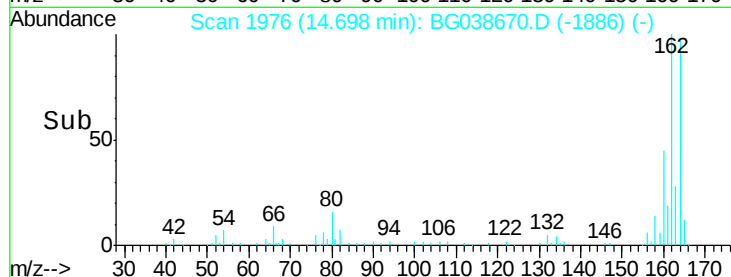
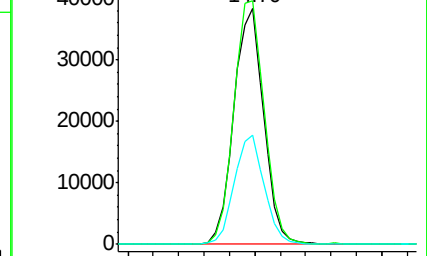
160 46.4 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 88.717 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038670.D

Acq: 17 Dec 2018 19:42

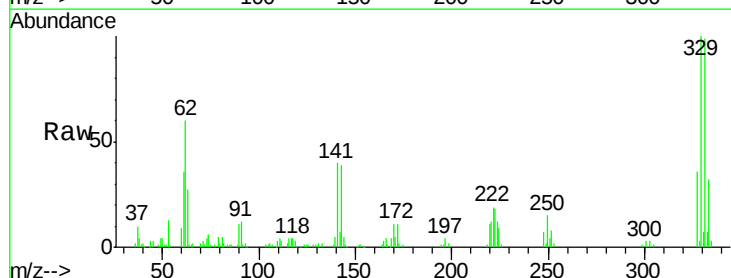
Tgt Ion:330 Resp: 75884

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

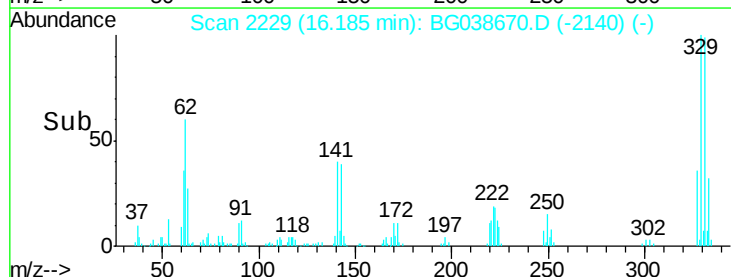
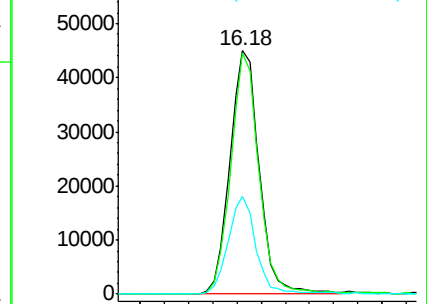
141 38.1 28.8 43.2

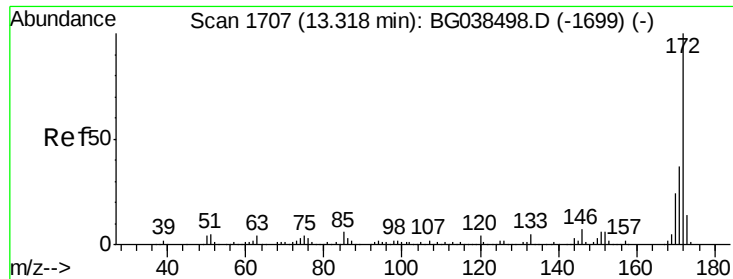


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

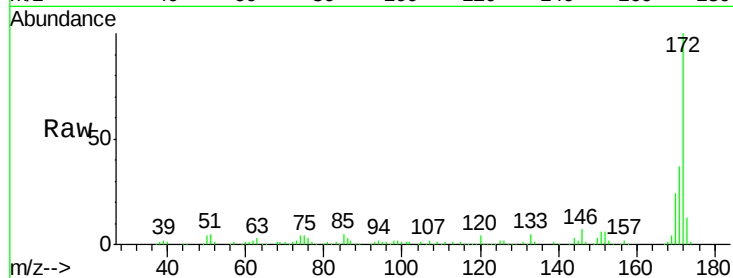




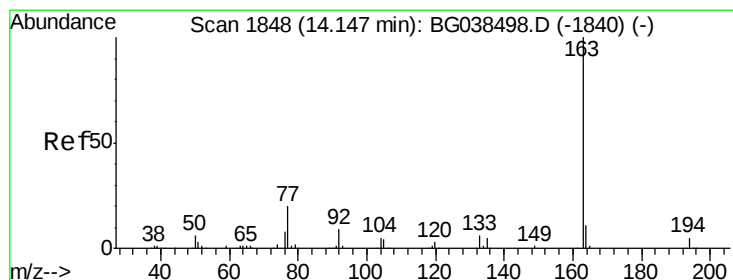
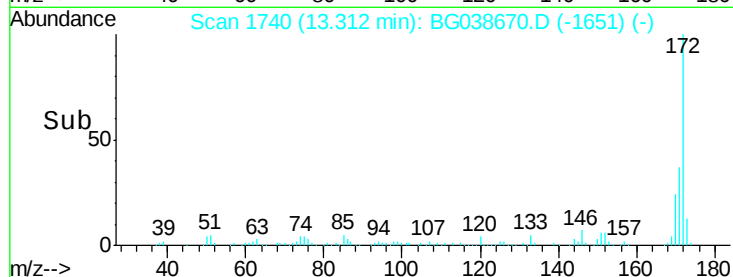
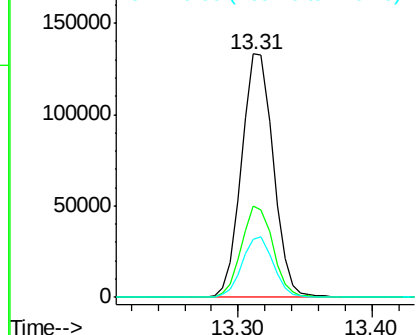
#45  
2-Fluorobiphenyl  
Concen: 48.448 ng  
RT: 13.31 min Scan# 1740  
Delta R.T. -0.01 min  
Lab File: BG038670.D  
Acq: 17 Dec 2018 19:42

Instrument :  
BNA\_G  
ClientSampleId :  
P001-SS015-1218-01

Tgt Ion:172 Resp: 219185  
Ion Ratio Lower Upper  
172 100  
171 37.2 29.8 44.6  
170 23.9 19.5 29.3

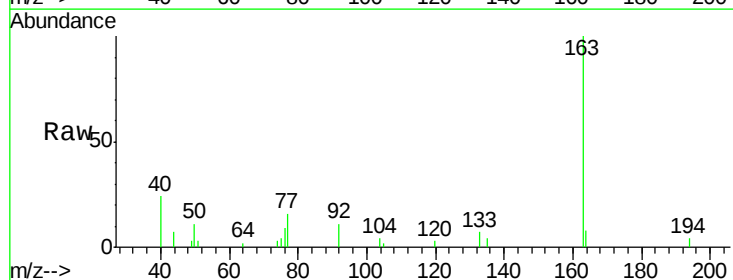


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

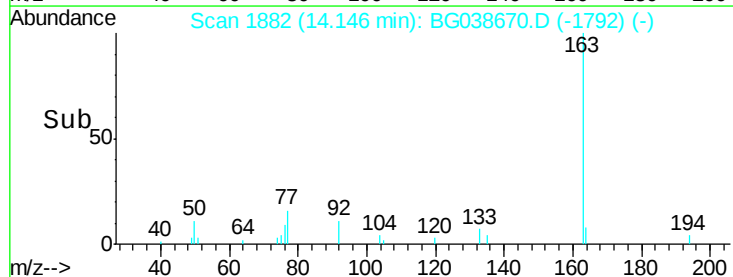
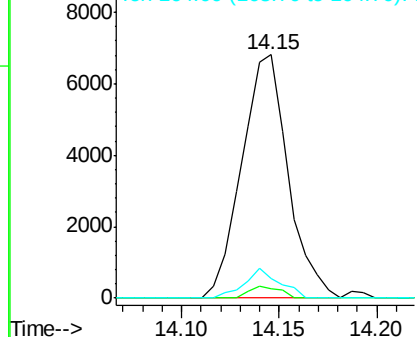


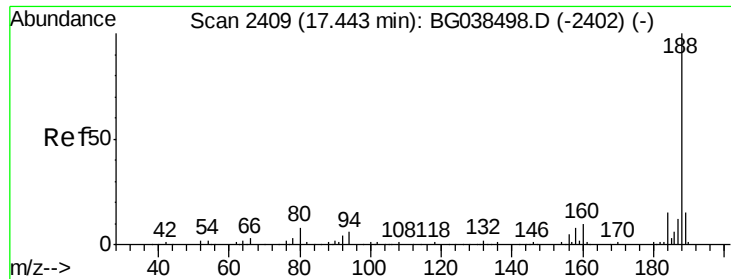
#50  
Dimethylphthalate  
Concen: 2.208 ng  
RT: 14.15 min Scan# 1882  
Delta R.T. -0.00 min  
Lab File: BG038670.D  
Acq: 17 Dec 2018 19:42

Tgt Ion:163 Resp: 11193  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.7 5.5  
164 8.2 8.6 12.8#



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG038670.D

Acq: 17 Dec 2018 19:42

Instrument :

BNA\_G

ClientSampleId :

P001-SS015-1218-01

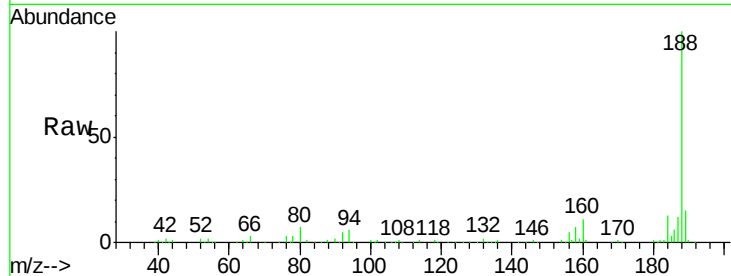
Tgt Ion:188 Resp: 163852

Ion Ratio Lower Upper

188 100

94 5.9 5.1 7.7

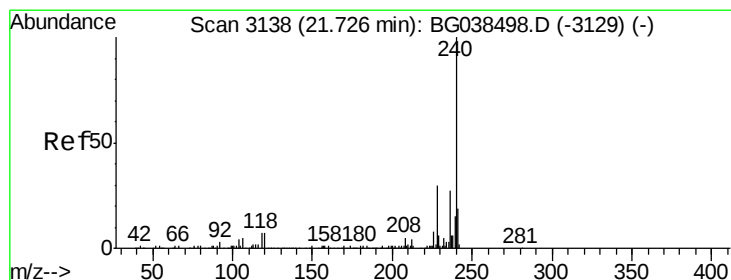
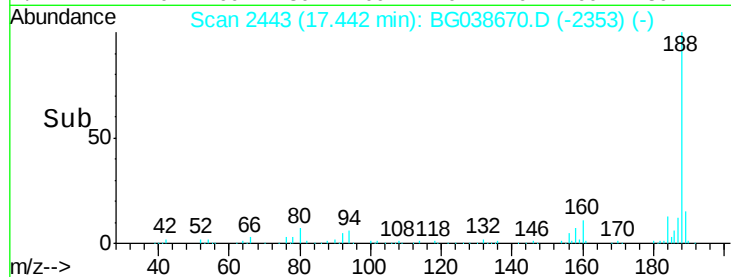
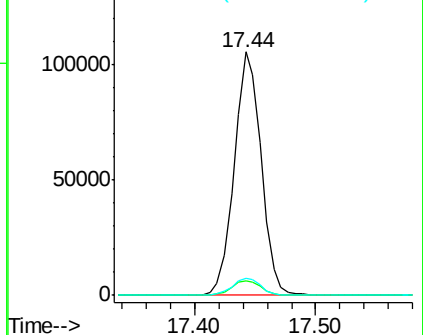
80 7.1 6.1 9.1



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3172

Delta R.T. -0.00 min

Lab File: BG038670.D

Acq: 17 Dec 2018 19:42

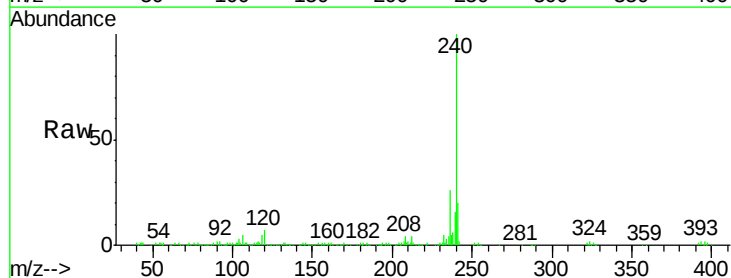
Tgt Ion:240 Resp: 166121

Ion Ratio Lower Upper

240 100

120 6.8 5.3 7.9

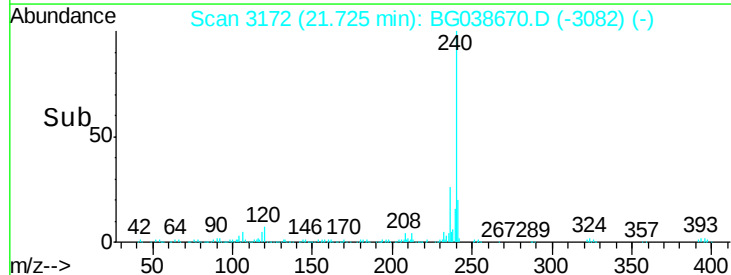
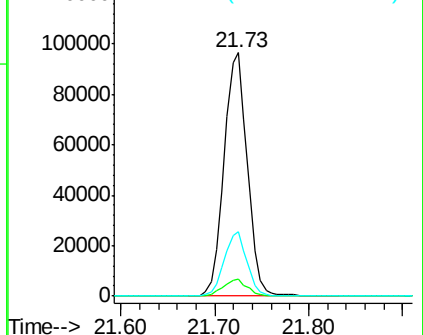
236 26.4 21.4 32.2

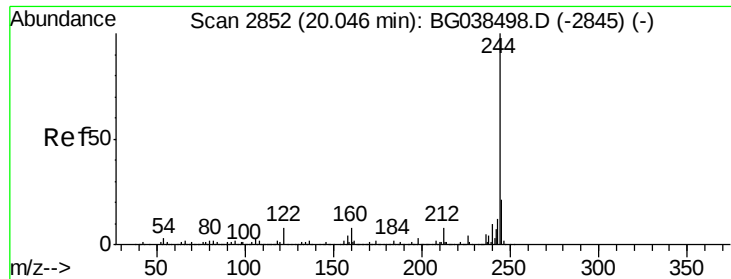


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 50.312 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038670.D

Acq: 17 Dec 2018 19:42

Instrument :

BNA\_G

ClientSampleId :

P001-SS015-1218-01

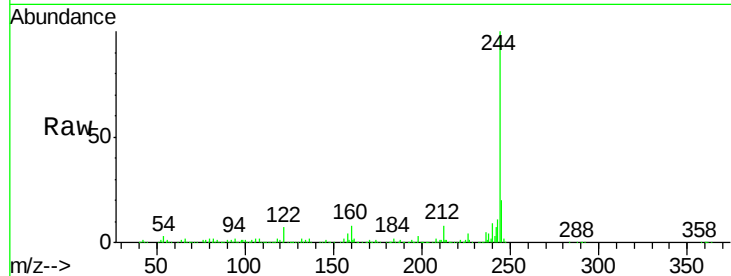
Tgt Ion:244 Resp: 384036

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

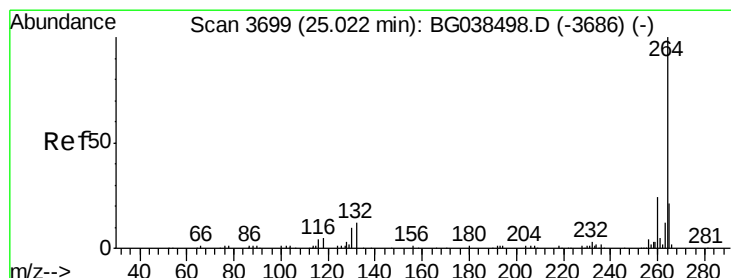
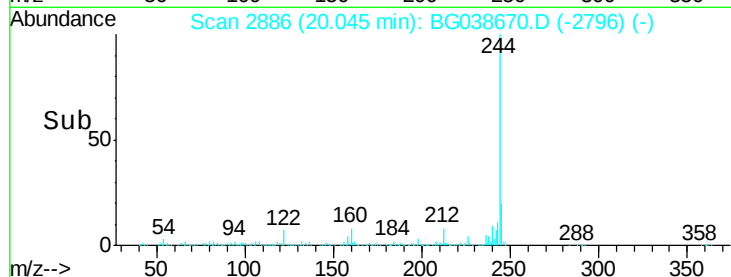
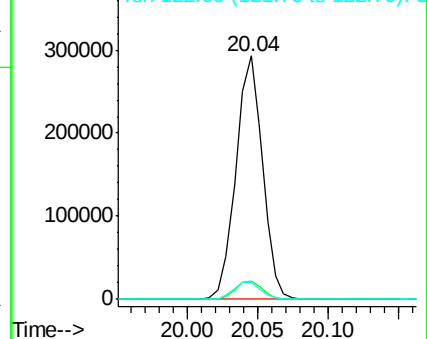
122 7.0 6.3 9.5



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: 25.02 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BG038670.D

Acq: 17 Dec 2018 19:42

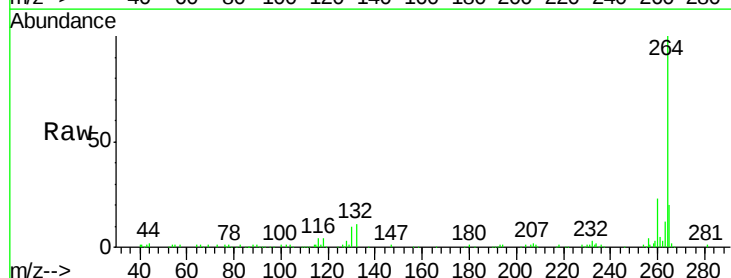
Tgt Ion:264 Resp: 179271

Ion Ratio Lower Upper

264 100

260 22.9 18.9 28.3

265 20.0 17.0 25.4



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

