

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120318\  
 Data File : BG038311.D  
 Acq On : 3 Dec 2018 22:19  
 Operator : JU/SJ  
 Sample : J6179-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S2-0-0.5-BGS

Quant Time: Dec 04 06:04:41 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 16:39:28 2018  
 Response via : Initial Calibration

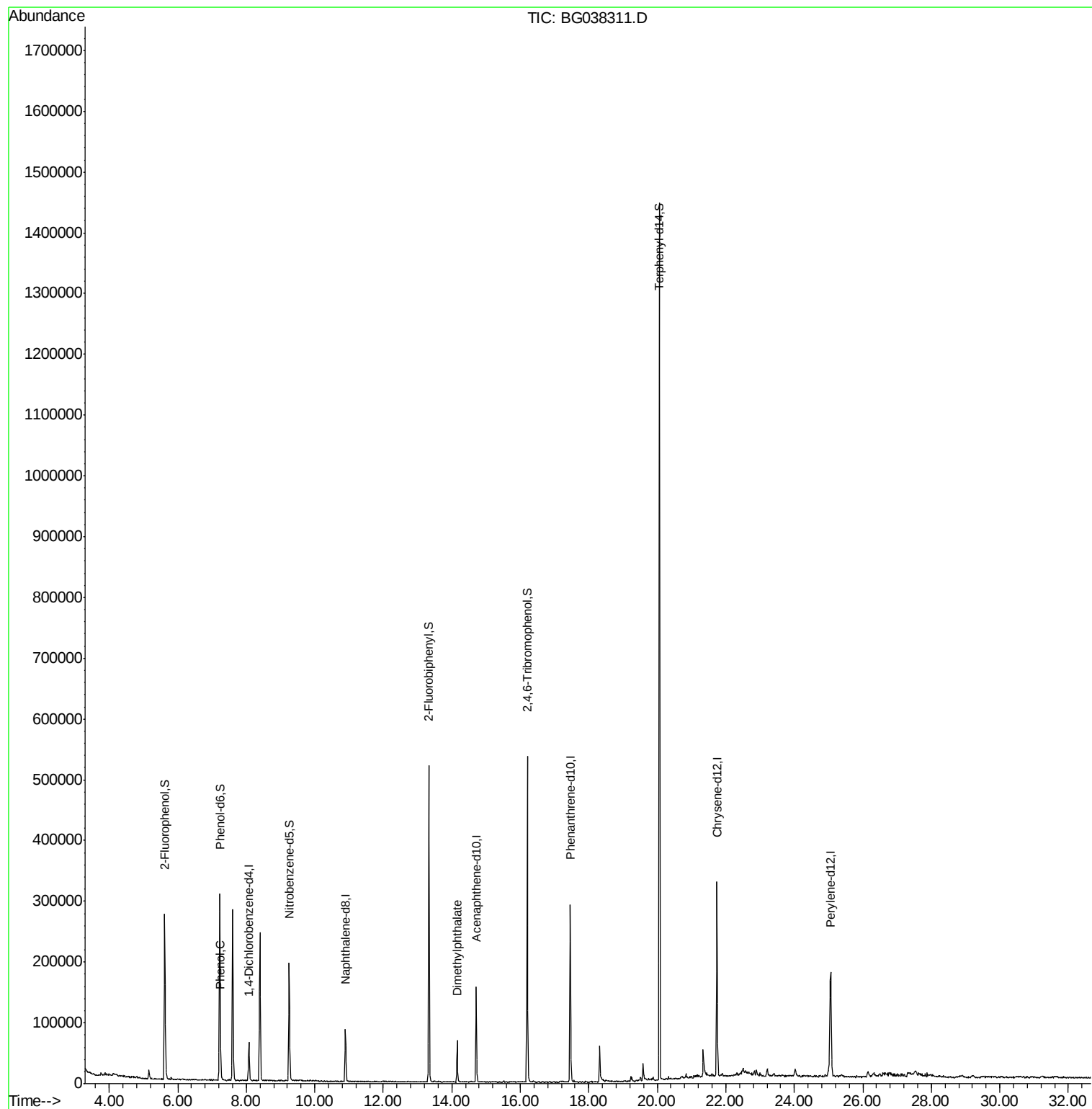
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.08  | 152  | 18928    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.90 | 136  | 79309    | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.71 | 164  | 59158    | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.46 | 188  | 186090   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.74 | 240  | 196239   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 25.06 | 264  | 199824   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 130997   | 119.49 | ng    | -0.01    |
| 7) Phenol-d6                | 7.22  | 99   | 193880   | 123.89 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.25  | 82   | 132044   | 89.12  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.20 | 330  | 100590   | 149.09 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.33 | 172  | 284292   | 70.01  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.06 | 244  | 686737   | 82.34  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.25  | 94   | 14703    | 8.870  | ng    | 95       |
| 50) Dimethylphthalate       | 14.16 | 163  | 50997    | 10.874 | ng    | 97       |

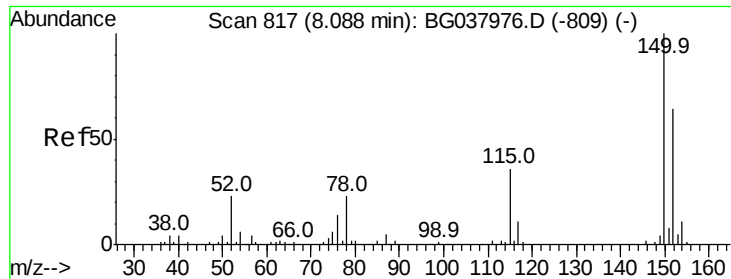
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120318\  
Data File : BG038311.D  
Acq On : 3 Dec 2018 22:19  
Operator : JU/SJ  
Sample : J6179-02  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
S2-0-0.5-BGS

Quant Time: Dec 04 06:04:41 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 13 16:39:28 2018  
Response via : Initial Calibration



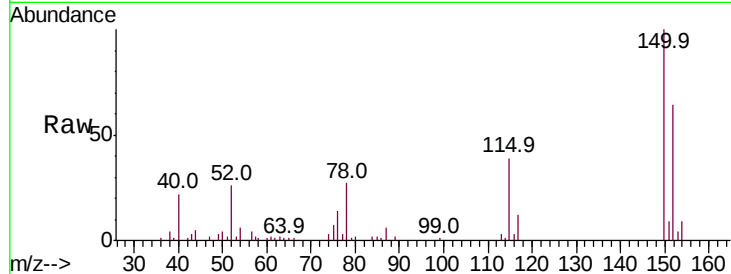


#1

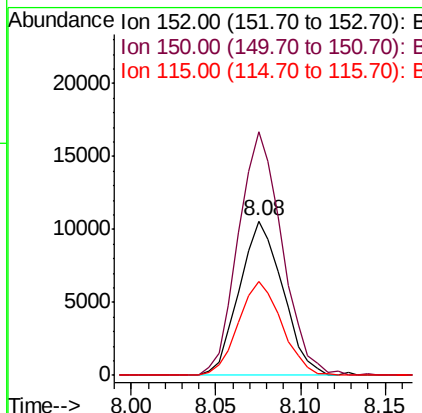
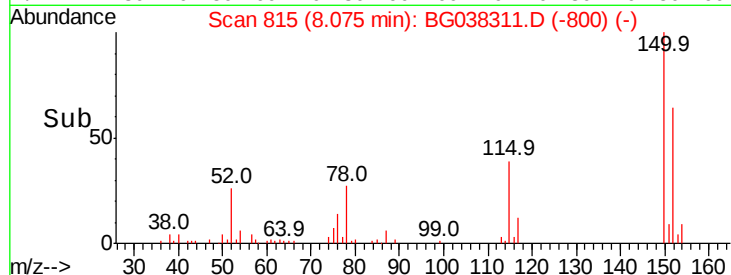
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.08 min Scan# 815  
 Delta R.T. -0.01 min  
 Lab File: BG038311.D  
 Acq: 3 Dec 2018 22:19

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S2-0-0.5-BGS

Tot Ion:152 Resp: 18928  
 Ion Ratio Lower Upper  
 152 100  
 150 157.5 126.0 189.0  
 115 60.7 45.5 68.3



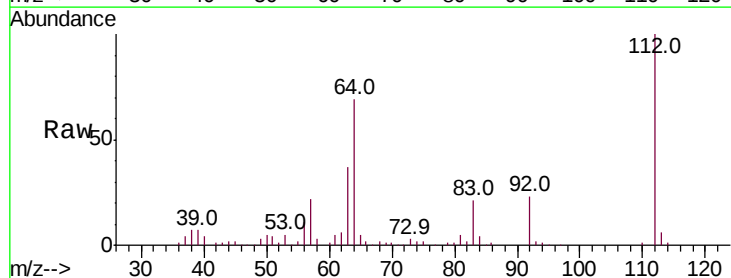
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



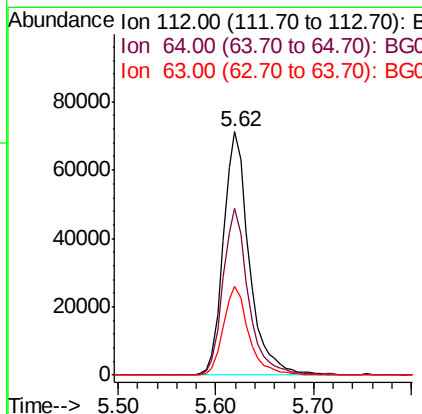
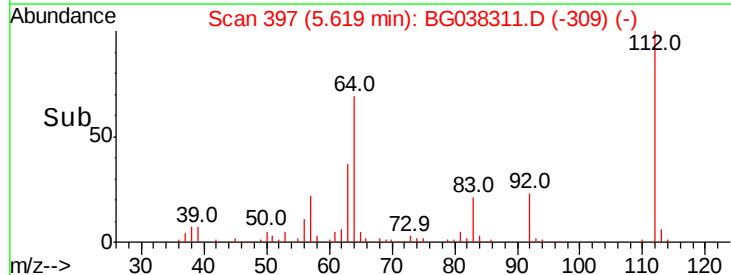
#5

2-Fluorophenol  
 Concen: 119.492 ng  
 RT: 5.62 min Scan# 397  
 Delta R.T. -0.01 min  
 Lab File: BG038311.D  
 Acq: 3 Dec 2018 22:19

Tgt Ion:112 Resp: 130997  
 Ion Ratio Lower Upper  
 112 100  
 64 68.7 53.1 79.7  
 63 36.6 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: 123.895 ng

RT: 7.22 min Scan# 670

Delta R.T. -0.01 min

Lab File: BG038311.D

Acq: 3 Dec 2018 22:19

Instrument :

BNA\_G

ClientSampleId :

S2-0-0.5-BGS

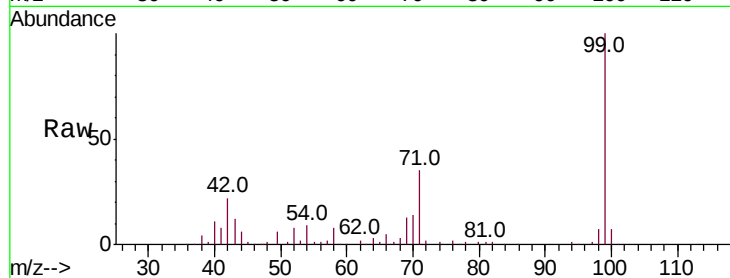
Tot Ion: 99 Resp: 193880

Ion Ratio Lower Upper

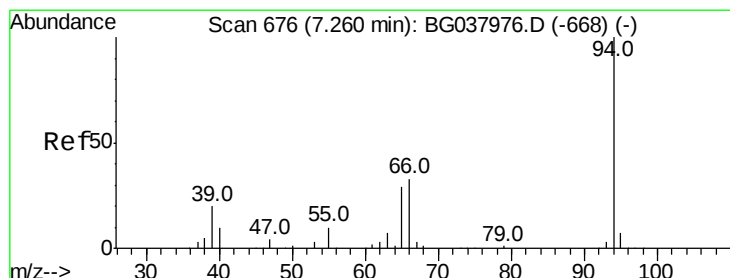
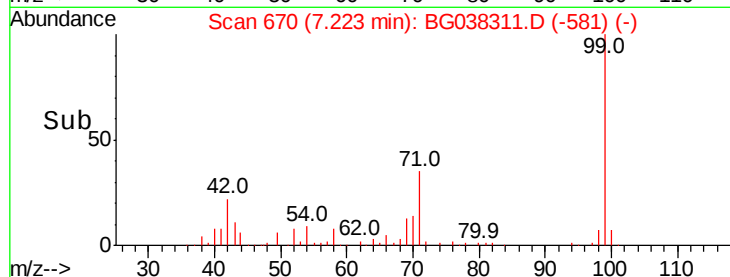
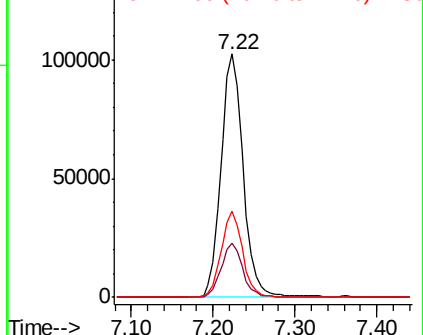
99 100

42 22.2 15.0 22.4

71 35.3 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



#10

Phenol

Concen: 8.870 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.01 min

Lab File: BG038311.D

Acq: 3 Dec 2018 22:19

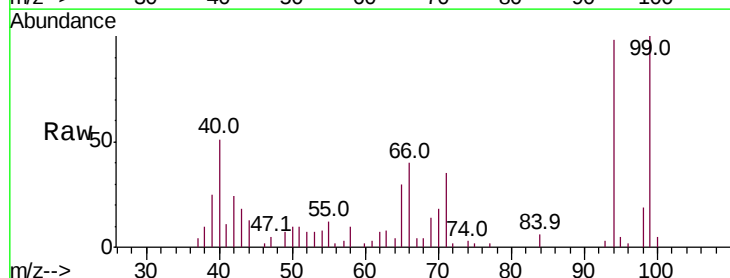
Tgt Ion: 94 Resp: 14703

Ion Ratio Lower Upper

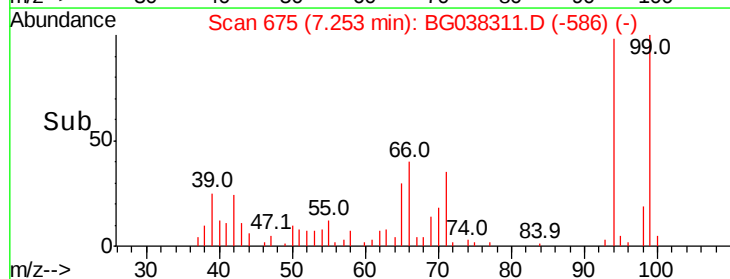
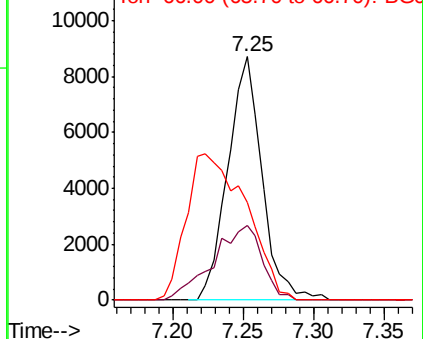
94 100

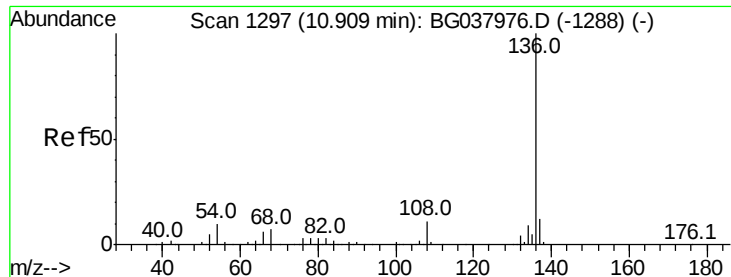
65 30.5 9.7 49.7

66 40.2 15.9 55.9



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: 10.90 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BG038311.D

Acq: 3 Dec 2018 22:19

Instrument :

BNA\_G

ClientSampleId :

S2-0-0.5-BGS

Tot Ion:136 Resp: 79309

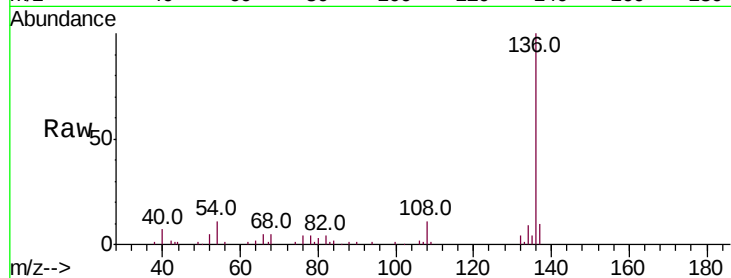
Ion Ratio Lower Upper

136 100

137 10.2 9.6 14.4

54 10.5 7.9 11.9

68 4.5 4.8 7.2#

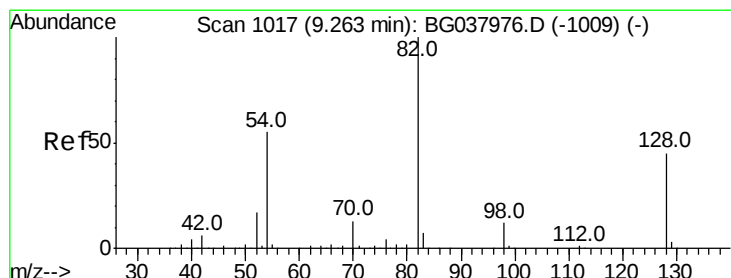
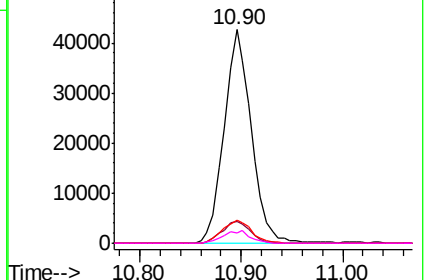
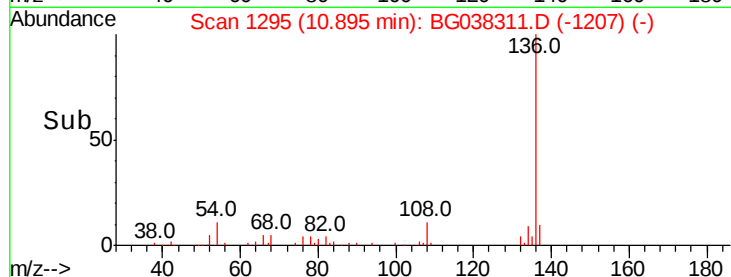


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.124 ng

RT: 9.25 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BG038311.D

Acq: 3 Dec 2018 22:19

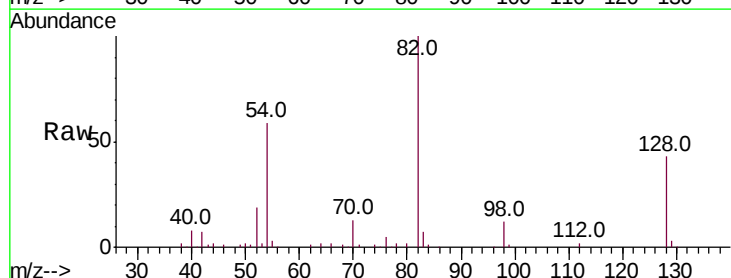
Tgt Ion: 82 Resp: 132044

Ion Ratio Lower Upper

82 100

128 43.3 34.6 51.8

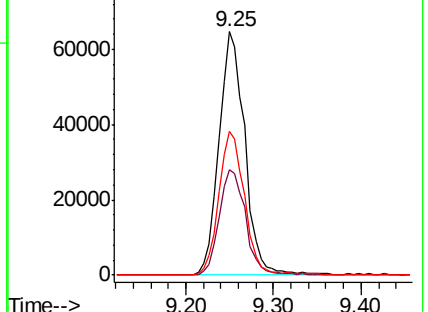
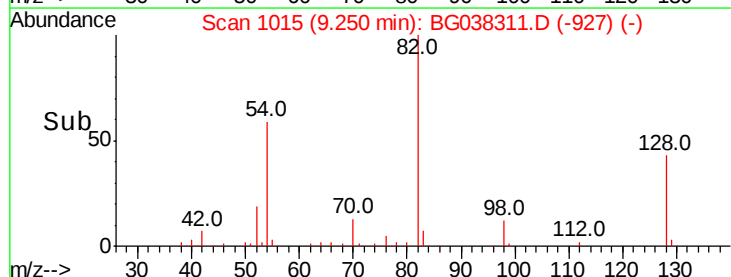
54 59.3 45.3 67.9



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: 14.71 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG038311.D

Acq: 3 Dec 2018 22:19

Instrument :

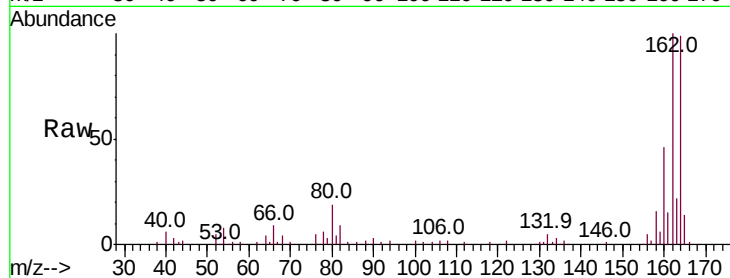
BNA\_G

ClientSampleId :

S2-0-0.5-BGS

Tot Ion:164 Resp: 59158

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 101.1 | 81.3  | 121.9 |
| 160 | 46.1  | 36.3  | 54.5  |

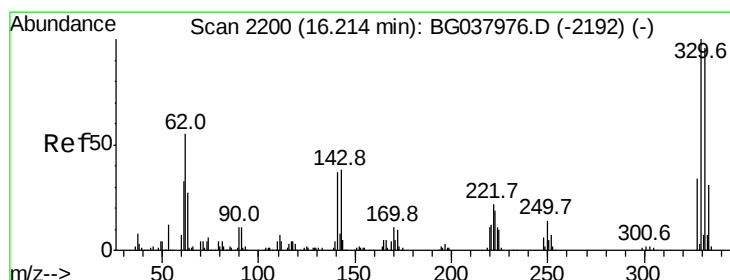
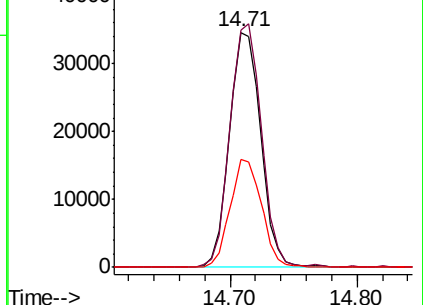
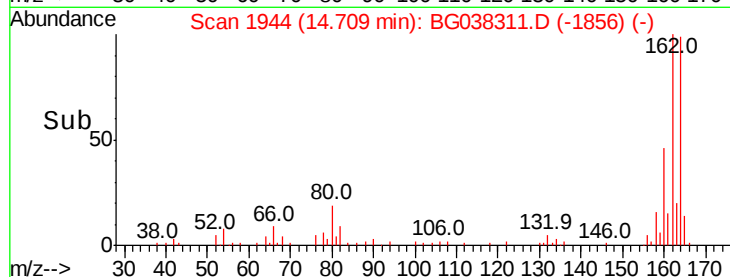


Abundance

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: 149.092 ng

RT: 16.20 min Scan# 2198

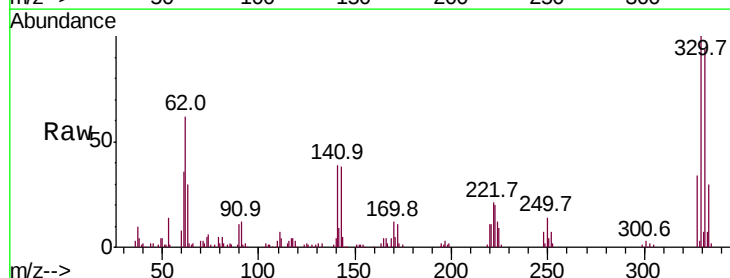
Delta R.T. -0.01 min

Lab File: BG038311.D

Acq: 3 Dec 2018 22:19

Tgt Ion:330 Resp: 100590

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 95.4  | 78.4  | 117.6 |
| 141 | 39.9  | 32.2  | 48.2  |

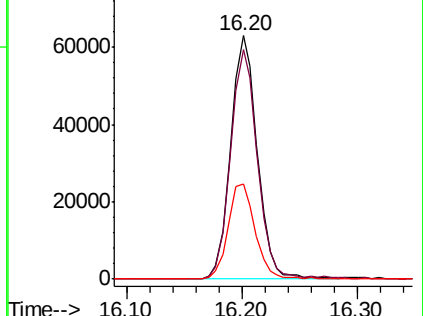
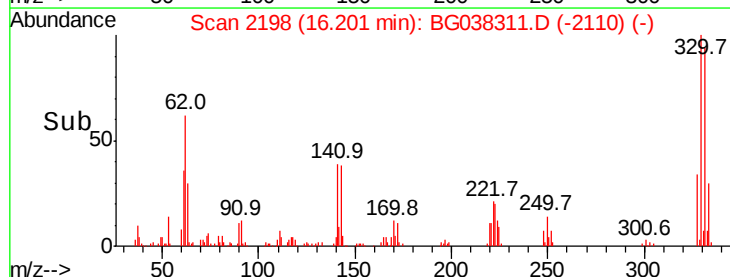


Abundance

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

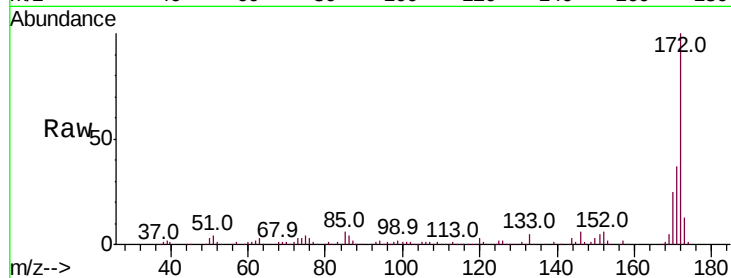




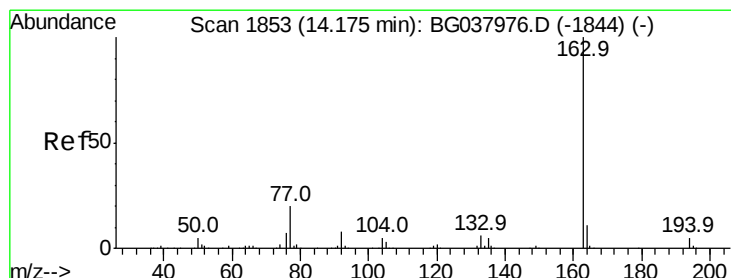
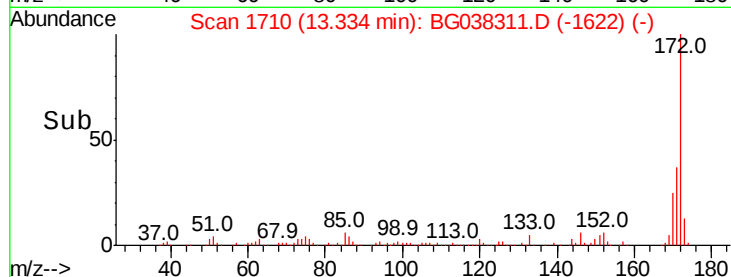
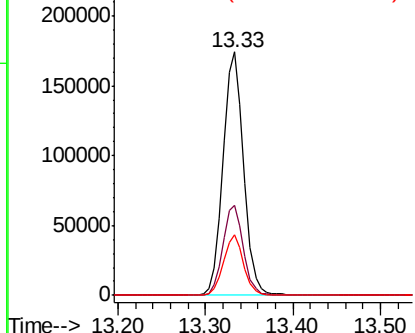
#45  
2-Fluorobiphenyl  
Concen: 70.011 ng  
RT: 13.33 min Scan# 1710  
Delta R.T. -0.01 min  
Lab File: BG038311.D  
Acq: 3 Dec 2018 22:19

Instrument :  
BNA\_G  
ClientSampleId :  
S2-0-0.5-BGS

Tot Ion:172 Resp: 284292  
Ion Ratio Lower Upper  
172 100  
171 36.9 31.0 46.4  
170 24.8 20.2 30.2

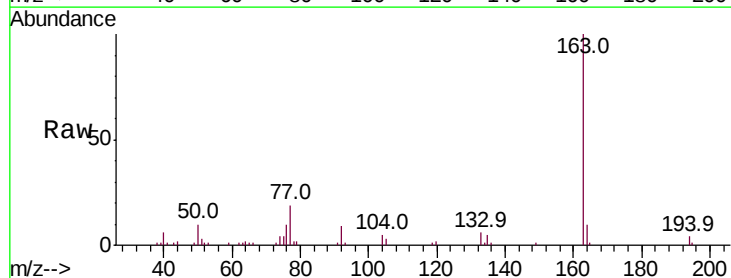


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

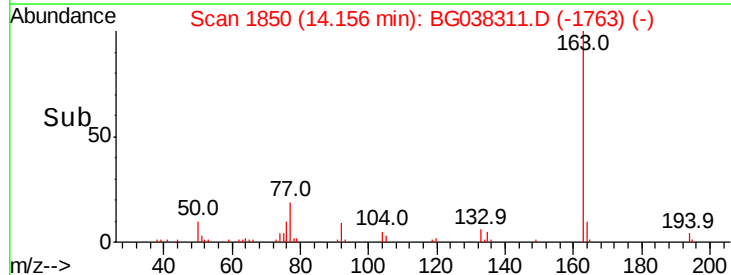
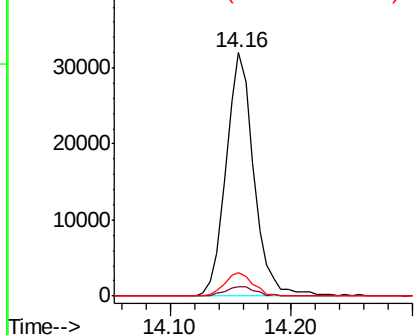


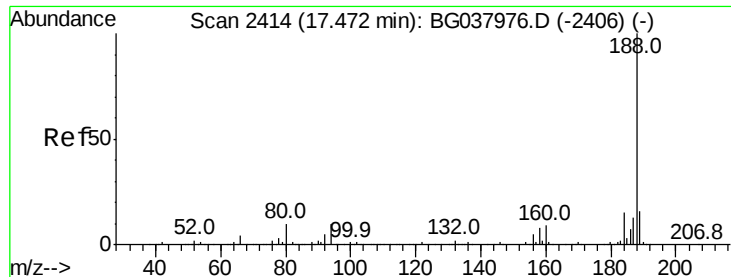
#50  
Dimethylphthalate  
Concen: 10.874 ng  
RT: 14.16 min Scan# 1850  
Delta R.T. -0.02 min  
Lab File: BG038311.D  
Acq: 3 Dec 2018 22:19

Tgt Ion:163 Resp: 50997  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.5 5.3  
164 9.6 8.5 12.7



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

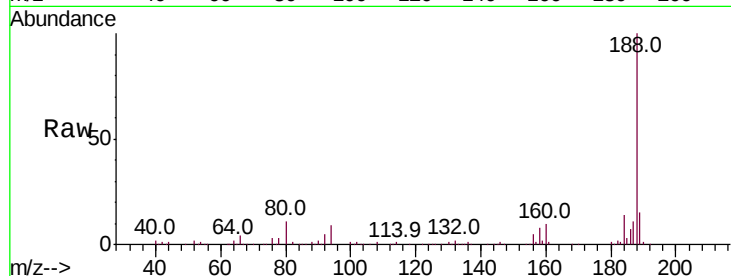




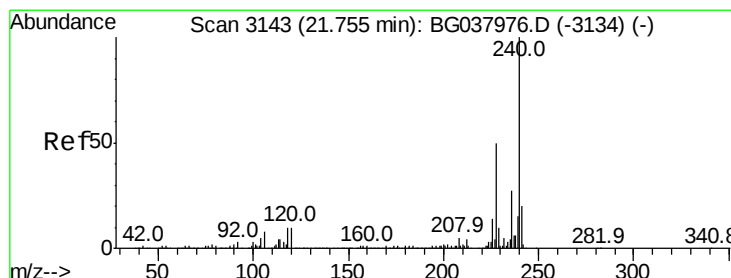
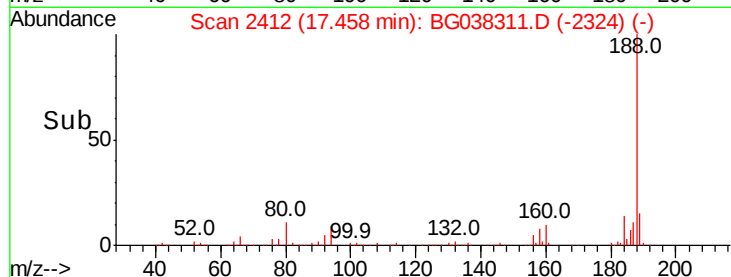
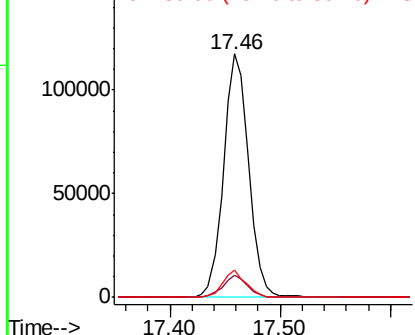
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.46 min Scan# 2412  
Delta R.T. -0.01 min  
Lab File: BG038311.D  
Acq: 3 Dec 2018 22:19

Instrument :  
BNA\_G  
ClientSampleId :  
S2-0-0.5-BGS

Tot Ion:188 Resp: 186090  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.2 10.8  
80 11.0 7.7 11.5

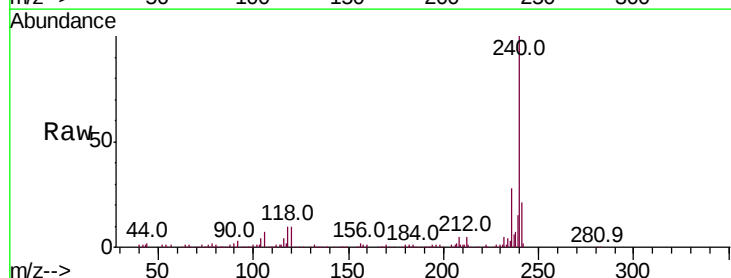


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGO  
Ion 80.00 (79.70 to 80.70): BGO

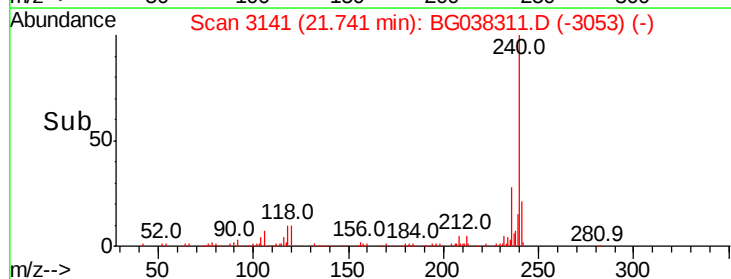
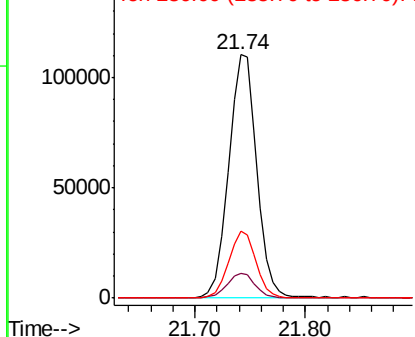


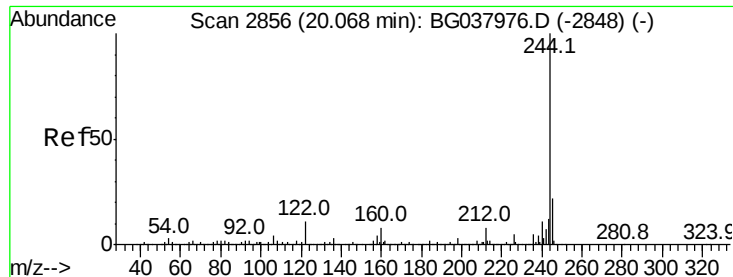
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.74 min Scan# 3141  
Delta R.T. -0.01 min  
Lab File: BG038311.D  
Acq: 3 Dec 2018 22:19

Tgt Ion:240 Resp: 196239  
Ion Ratio Lower Upper  
240 100  
120 10.0 8.1 12.1  
236 27.6 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: 82.343 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BG038311.D

Acq: 3 Dec 2018 22:19

Instrument :

BNA\_G

ClientSampleId :

S2-0-0.5-BGS

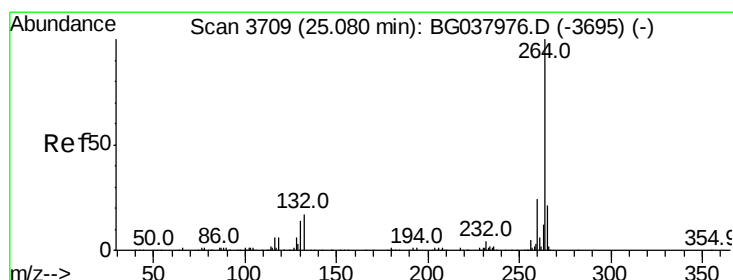
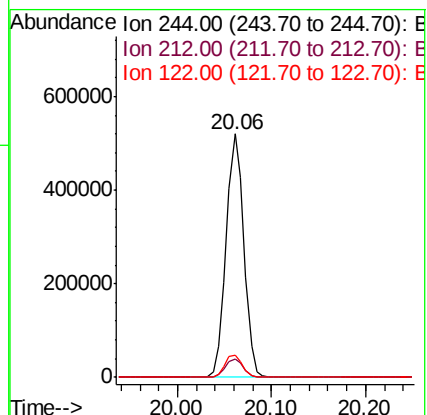
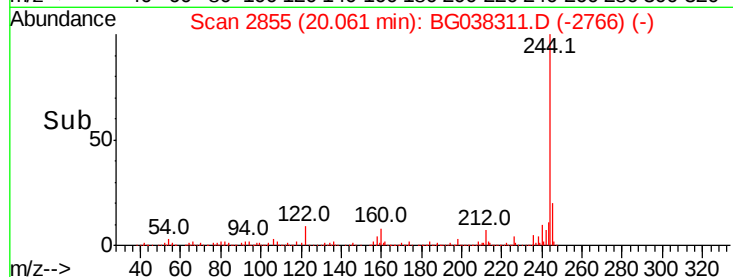
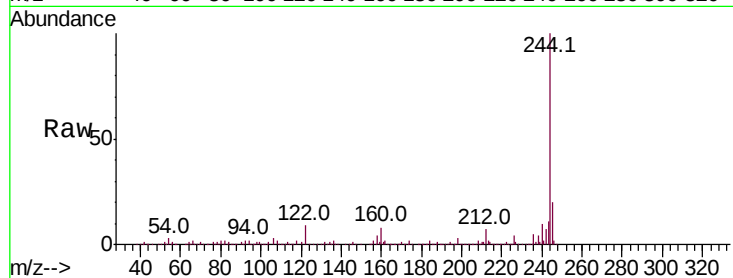
Tot Ion:244 Resp: 686737

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

122 9.1 9.0 13.4



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.06 min Scan# 3705

Delta R.T. -0.03 min

Lab File: BG038311.D

Acq: 3 Dec 2018 22:19

Tgt Ion:264 Resp: 199824

Ion Ratio Lower Upper

264 100

260 22.3 18.2 27.4

265 21.0 17.9 26.9

