

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112618\  
 Data File : BG038158.D  
 Acq On : 27 Nov 2018 6:56  
 Operator : JU/SJ  
 Sample : J6061-05  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 27 09:42:44 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

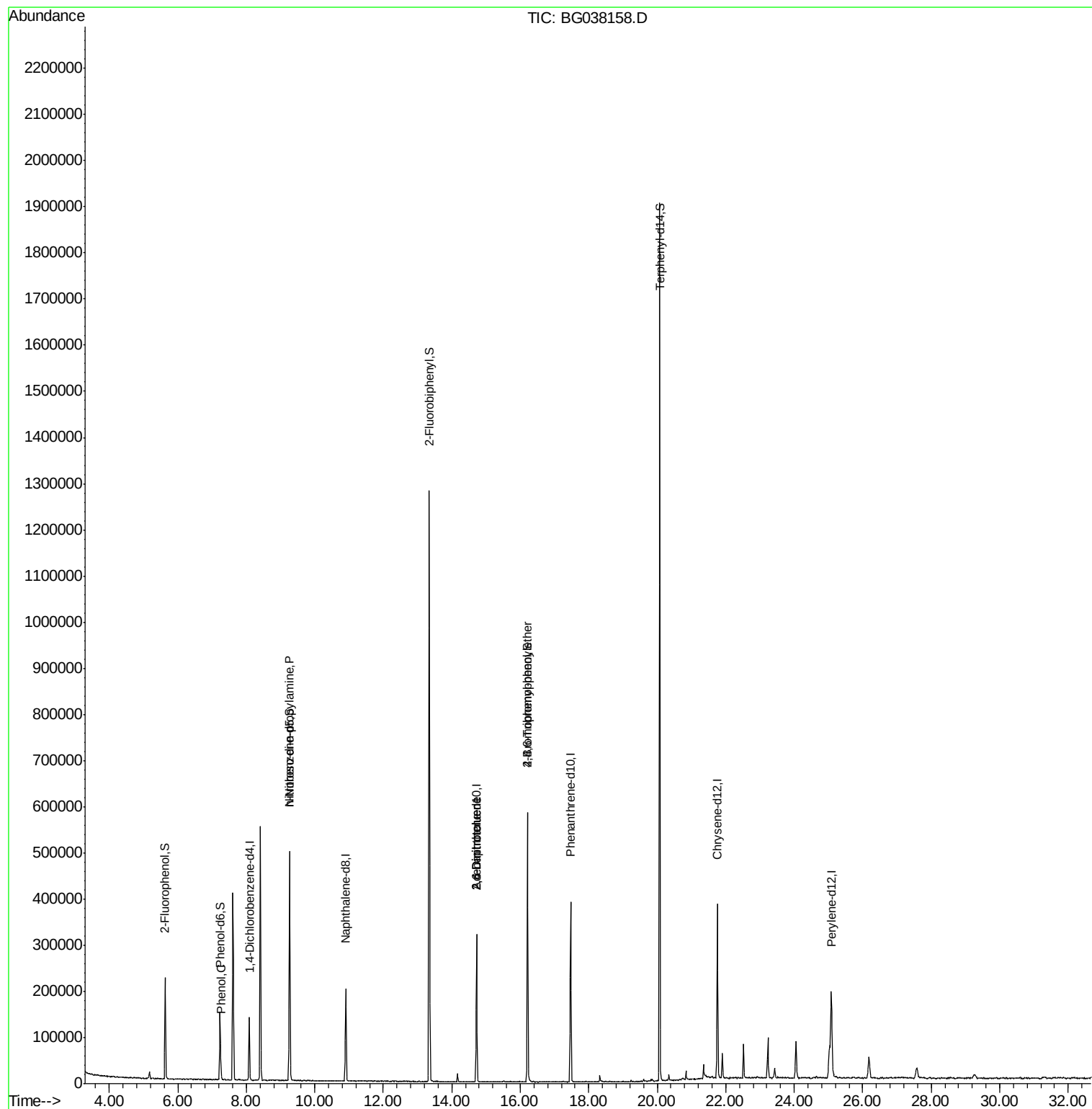
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.09  | 152  | 39185    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.91 | 136  | 179556   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.72 | 164  | 113248   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.47 | 188  | 253049   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.75 | 240  | 234666   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 25.08 | 264  | 227174   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.63  | 112  | 99441    | 43.82  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.23  | 99   | 94191    | 29.07  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.26  | 82   | 311768   | 92.95  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.21 | 330  | 108594   | 84.08  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.35 | 172  | 704540   | 90.63  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.07 | 244  | 904122   | 90.66  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.26  | 94   | 9791     | 2.853  | ng    | 85       |
| 19) n-Nitroso-di-n-propylamine | 9.26  | 70   | 39678    | 16.927 | ng    | # 73     |
| 51) 2,6-Dinitrotoluene         | 14.72 | 165  | 14721    | 7.245  | ng    | # 25     |
| 57) 2,4-Dinitrotoluene         | 14.72 | 165  | 14721    | 5.325  | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether  | 16.21 | 248  | 8019     | 2.887  | ng    | # 1      |

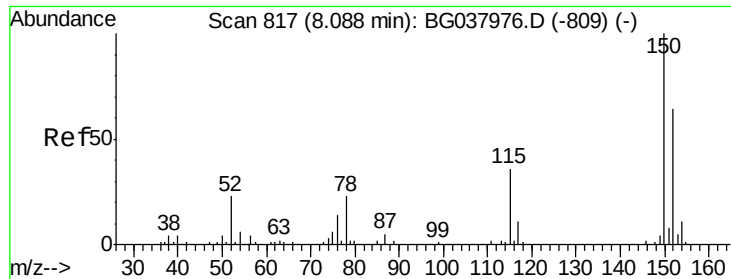
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112618\  
Data File : BG038158.D  
Acq On : 27 Nov 2018 6:56  
Operator : JU/SJ  
Sample : J6061-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Nov 27 09:42:44 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



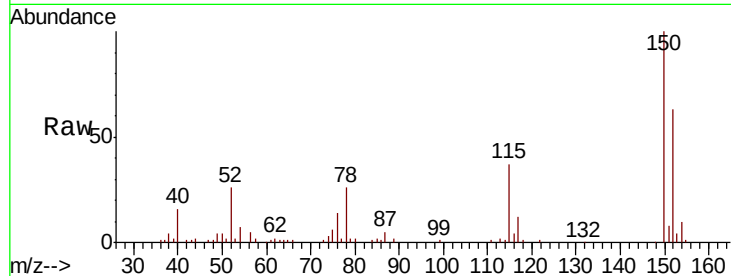


#1

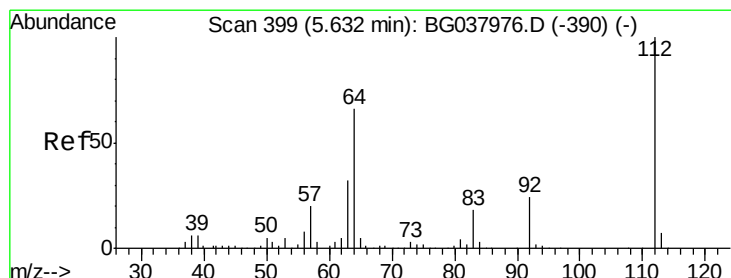
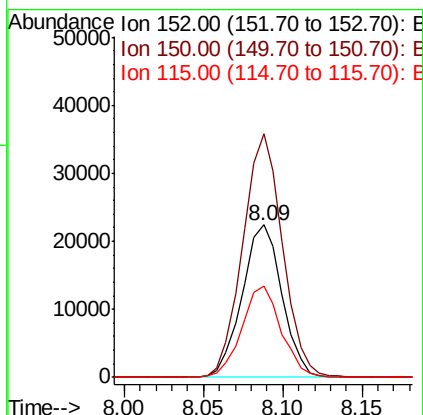
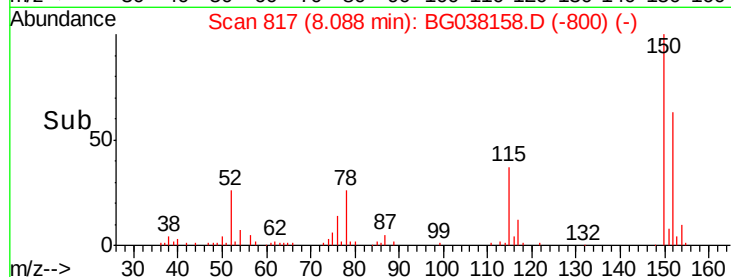
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.09 min Scan# 817  
Delta R.T. -0.00 min  
Lab File: BG038158.D  
Acq: 27 Nov 2018 6:56

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:152 Resp: 39185  
Ion Ratio Lower Upper  
152 100  
150 159.9 126.0 189.0  
115 59.9 45.5 68.3



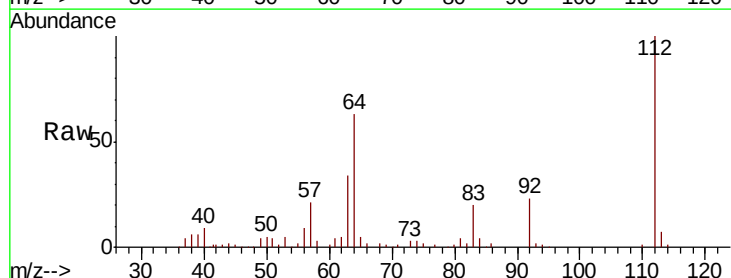
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



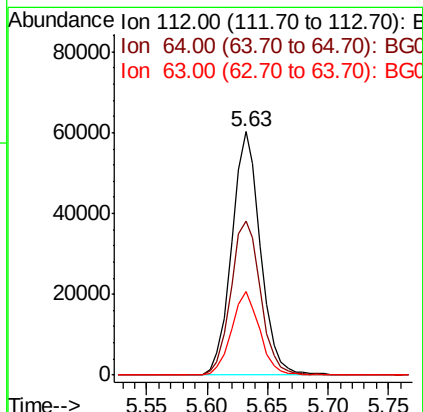
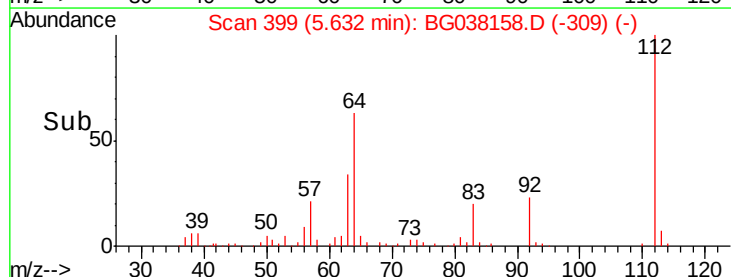
#5

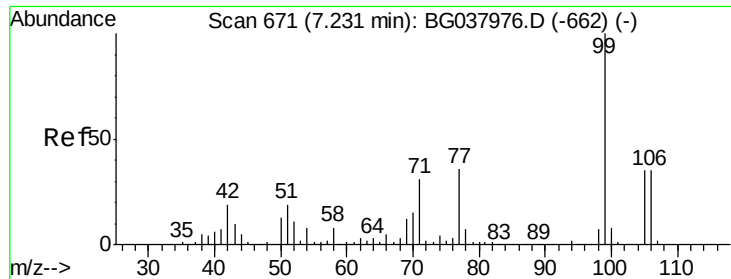
2-Fluorophenol  
Concen: 43.816 ng  
RT: 5.63 min Scan# 399  
Delta R.T. -0.00 min  
Lab File: BG038158.D  
Acq: 27 Nov 2018 6:56

Tgt Ion:112 Resp: 99441  
Ion Ratio Lower Upper  
112 100  
64 63.1 53.1 79.7  
63 34.2 27.3 40.9



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: 29.075 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG038158.D

Acq: 27 Nov 2018 6:56

Instrument :

BNA\_G

ClientSampleId :

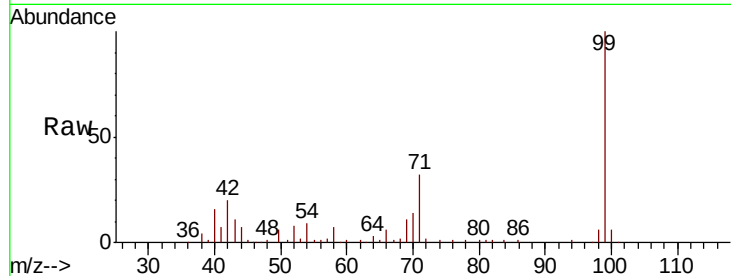
Tot Ion: 99 Resp: 94191

Ion Ratio Lower Upper

99 100

42 20.0 15.0 22.4

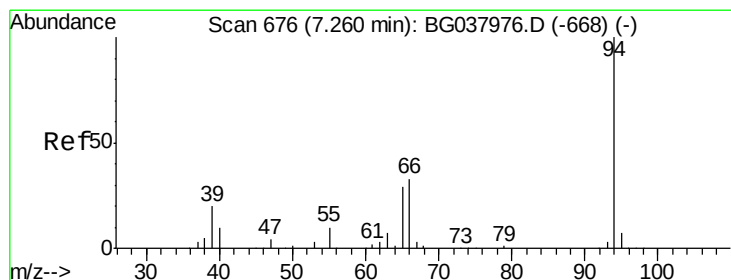
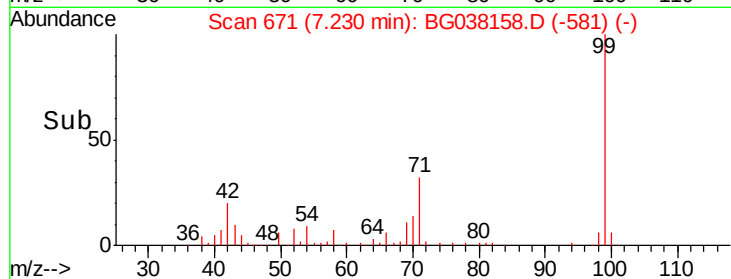
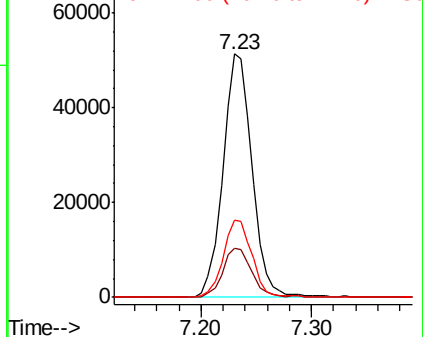
71 31.9 25.5 38.3



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: 2.853 ng

RT: 7.26 min Scan# 676

Delta R.T. -0.00 min

Lab File: BG038158.D

Acq: 27 Nov 2018 6:56

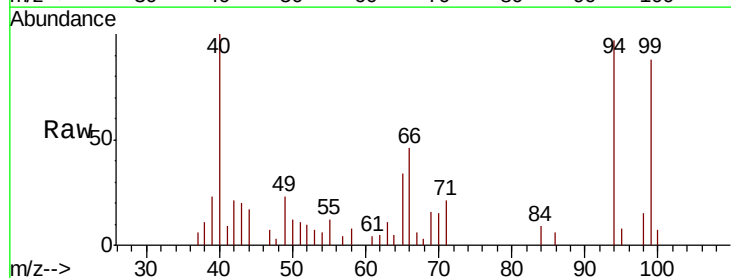
Tgt Ion: 94 Resp: 9791

Ion Ratio Lower Upper

94 100

65 35.4 9.7 49.7

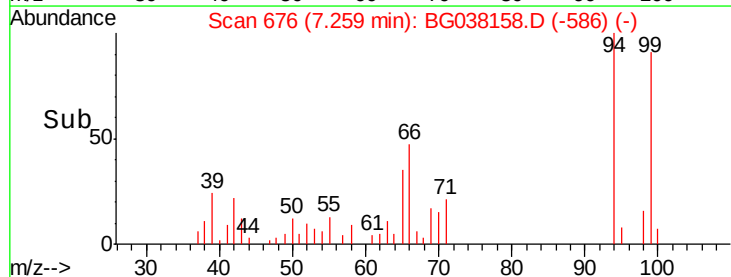
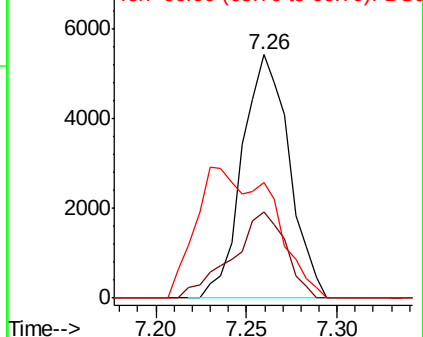
66 47.3 15.9 55.9

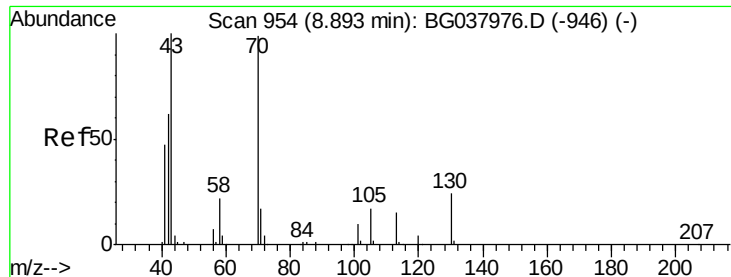


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

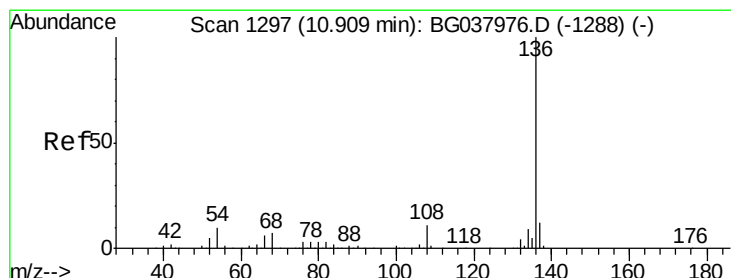
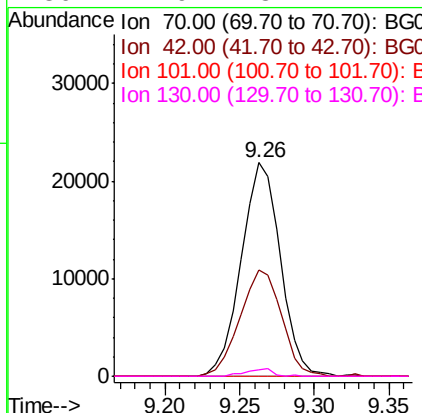
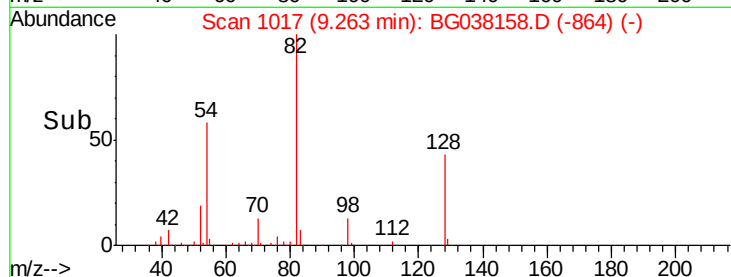
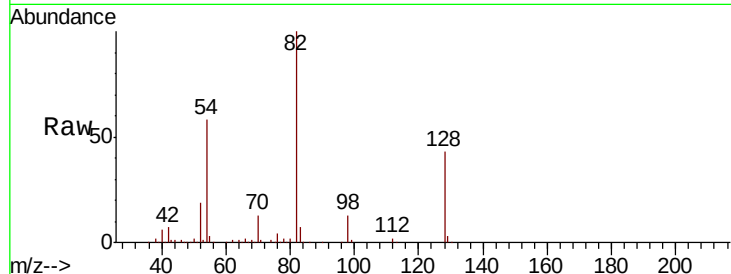




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.927 ng  
RT: 9.26 min Scan# 1017  
Delta R.T. 0.37 min  
Lab File: BG038158.D  
Acq: 27 Nov 2018 6:56

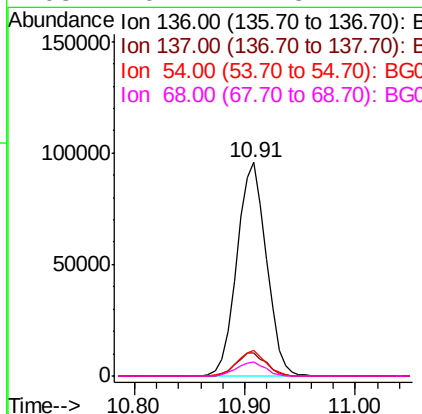
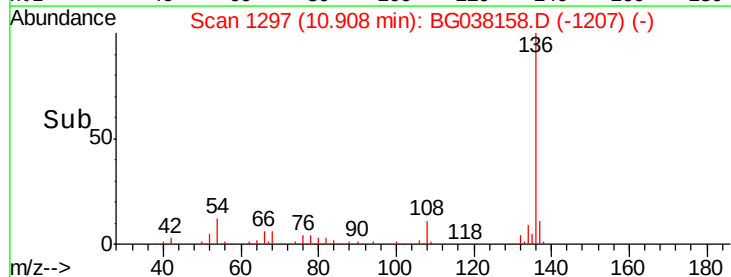
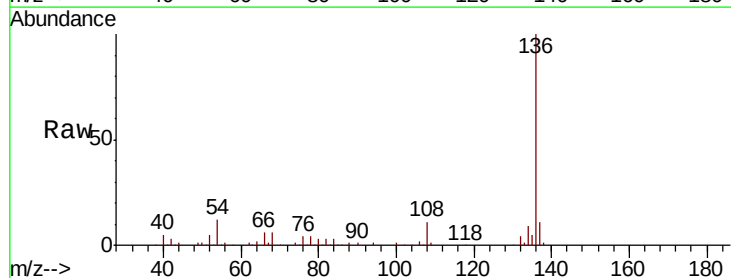
Instrument :  
BNA\_G  
ClientSampleId :

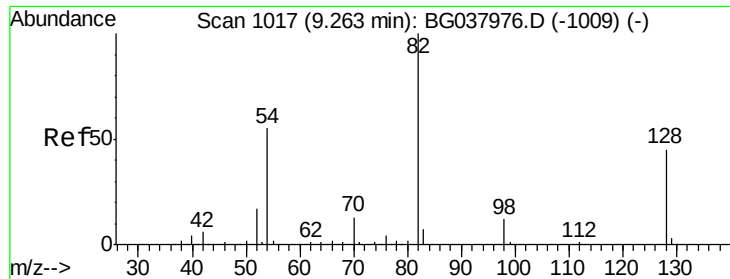
Tot Ion: 70 Resp: 39678  
Ion Ratio Lower Upper  
70 100  
42 50.0 53.9 80.9#  
101 0.0 8.2 12.2#  
130 2.9 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.91 min Scan# 1297  
Delta R.T. -0.00 min  
Lab File: BG038158.D  
Acq: 27 Nov 2018 6:56

Tgt Ion: 136 Resp: 179556  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.6 14.4  
54 11.8 7.9 11.9  
68 6.4 4.8 7.2

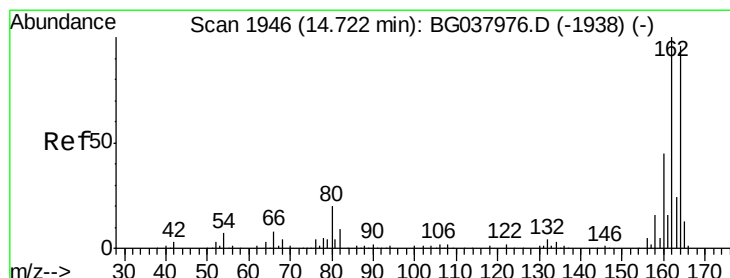
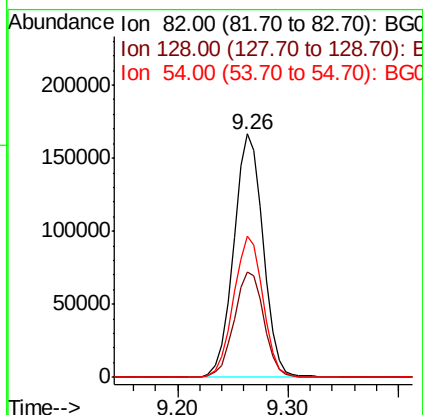
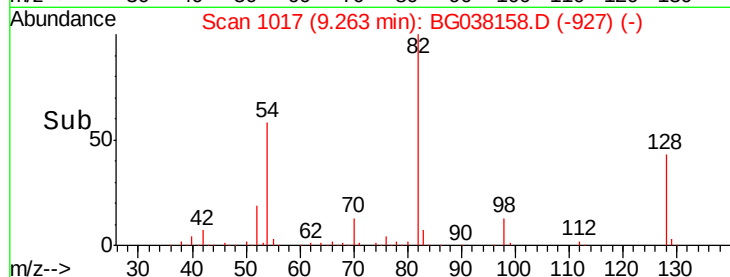
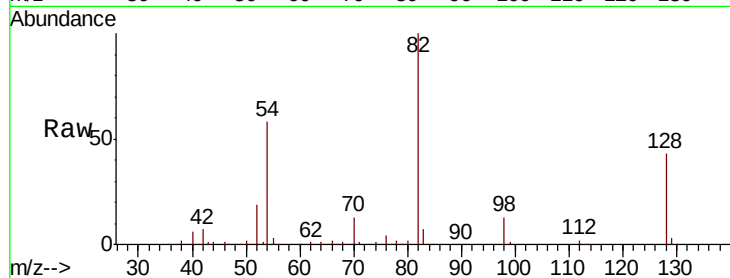




#23  
Nitrobenzene-d5  
Concen: 92.946 ng  
RT: 9.26 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: BG038158.D  
Acq: 27 Nov 2018 6:56

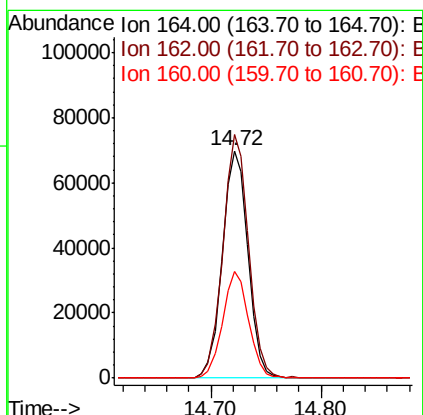
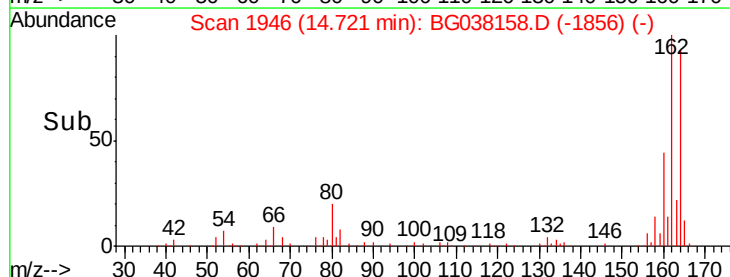
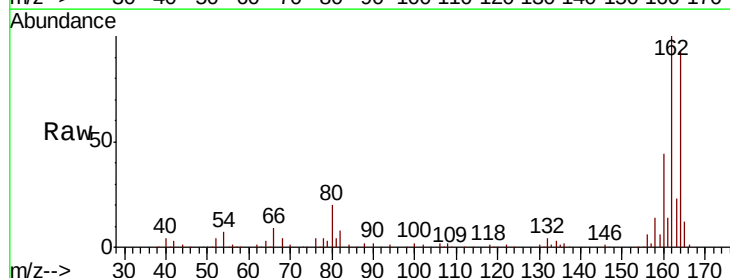
Instrument :  
BNA\_G  
ClientSampled :

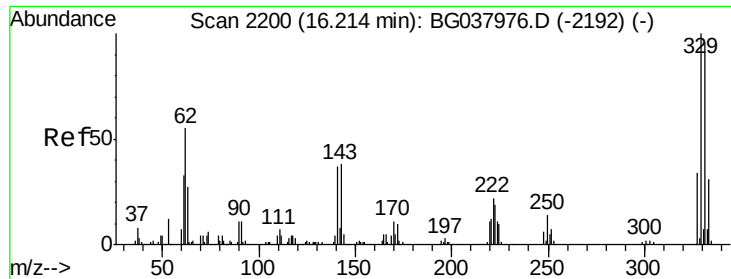
| Tot Ion   | 82   | Resp  | 311768 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 43.2 | 34.6  | 51.8   |
| 54        | 58.1 | 45.3  | 67.9   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.72 min Scan# 1946  
Delta R.T. -0.00 min  
Lab File: BG038158.D  
Acq: 27 Nov 2018 6:56

| Tgt Ion   | 164   | Resp  | 113248 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 107.1 | 81.3  | 121.9  |
| 160       | 47.0  | 36.3  | 54.5   |

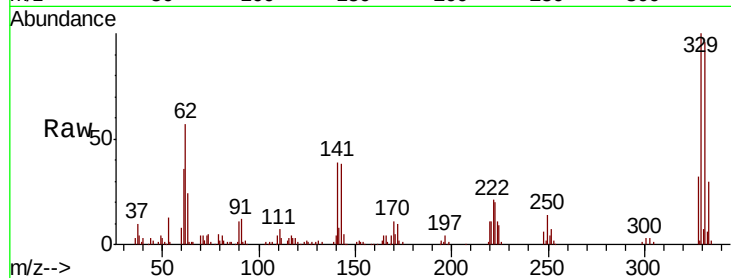




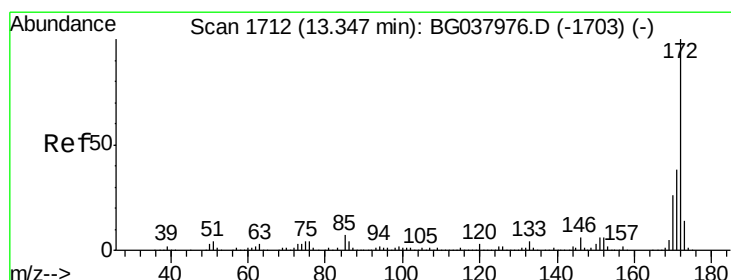
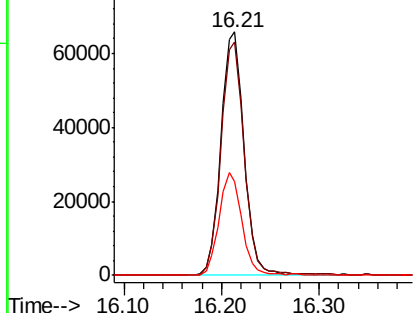
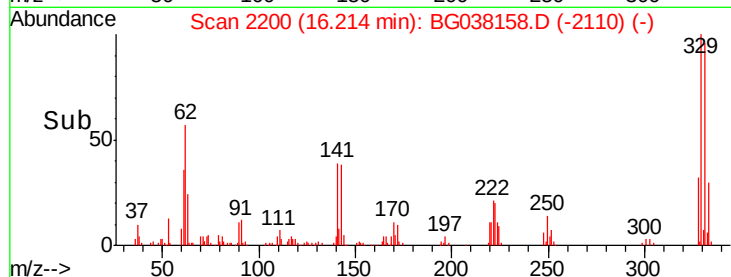
#42  
 2,4,6-Tribromophenol  
 Concen: 84.079 ng  
 RT: 16.21 min Scan# 2200  
 Delta R.T. -0.00 min  
 Lab File: BG038158.D  
 Acq: 27 Nov 2018 6:56

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 108594  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 78.4 117.6  
 141 41.7 32.2 48.2

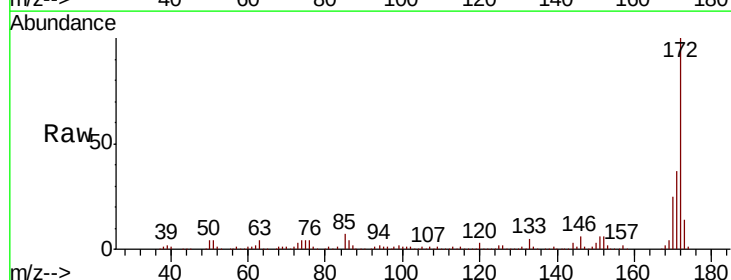


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

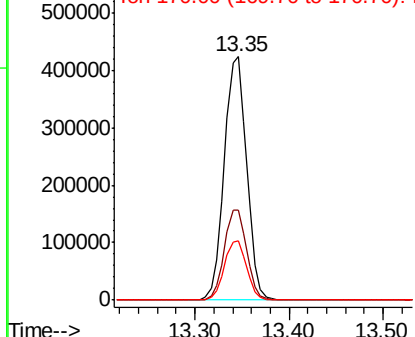
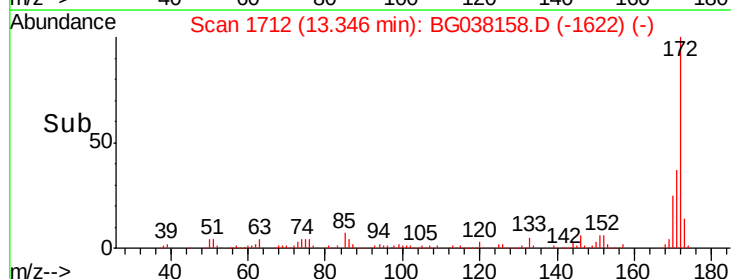


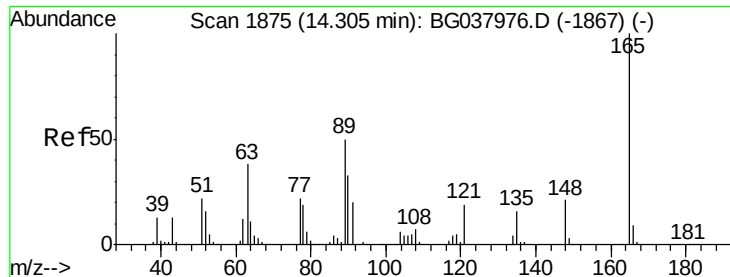
#45  
 2-Fluorobiphenyl  
 Concen: 90.634 ng  
 RT: 13.35 min Scan# 1712  
 Delta R.T. -0.00 min  
 Lab File: BG038158.D  
 Acq: 27 Nov 2018 6:56

Tgt Ion:172 Resp: 704540  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 31.0 46.4  
 170 24.6 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

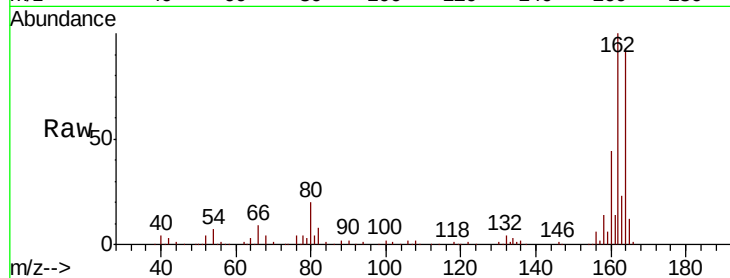




#51  
 2,6-Dinitrotoluene  
 Concen: 7.245 ng  
 RT: 14.72 min Scan# 1946  
 Delta R.T. 0.42 min  
 Lab File: BG038158.D  
 Acq: 27 Nov 2018 6:56

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.8   | 43.4  | 65.2# |
| 89      | 0.0   | 45.8  | 68.6# |

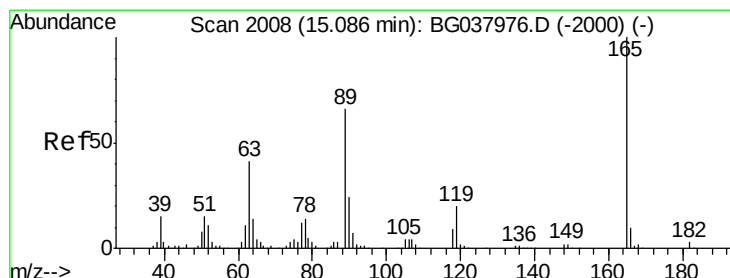
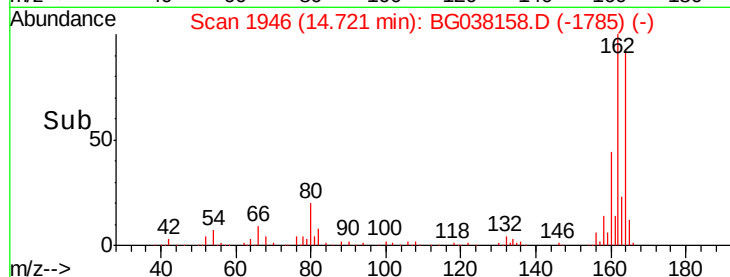
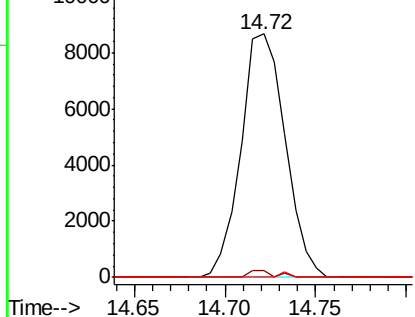


Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57  
 2,4-Dinitrotoluene  
 Concen: 5.325 ng  
 RT: 14.72 min Scan# 1946  
 Delta R.T. -0.36 min  
 Lab File: BG038158.D  
 Acq: 27 Nov 2018 6:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.8   | 33.4  | 50.0# |
| 89      | 0.0   | 57.2  | 85.8# |
| 182     | 0.0   | 2.6   | 4.0#  |

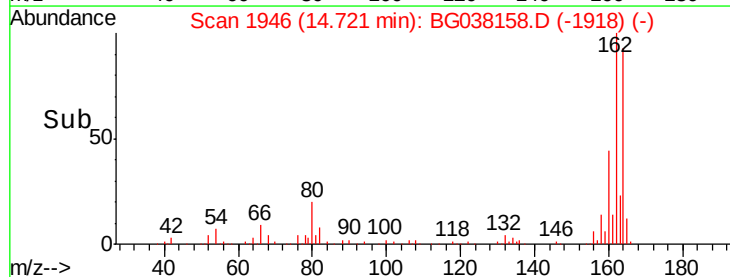
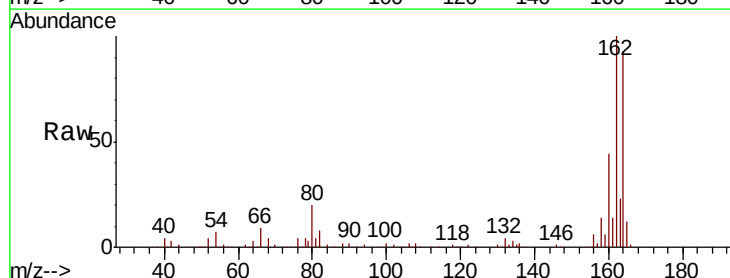
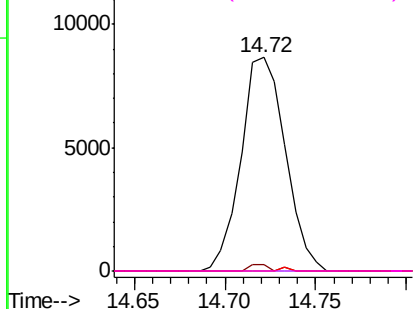
Abundance

Ion 165.00 (164.70 to 165.70): E

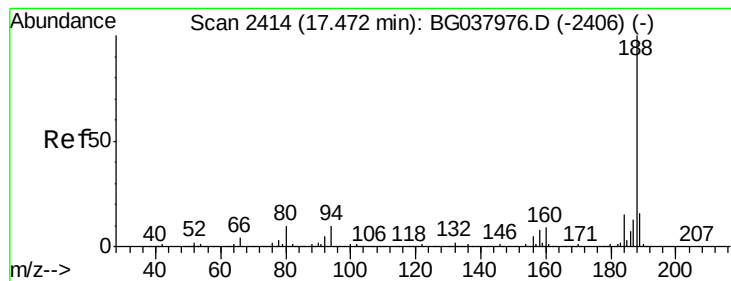
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BG038158.D

Acq: 27 Nov 2018 6:56

Instrument :

BNA\_G

ClientSampleId :

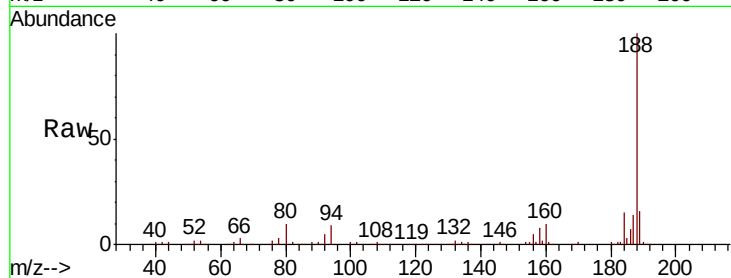
Tot Ion:188 Resp: 253049

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.0   | 7.2   | 10.8  |
| 80  | 9.9   | 7.7   | 11.5  |

188 100

94 9.0 7.2 10.8

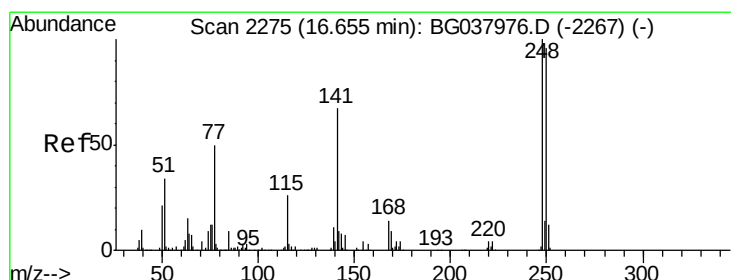
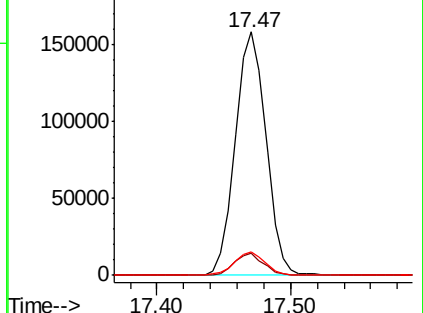
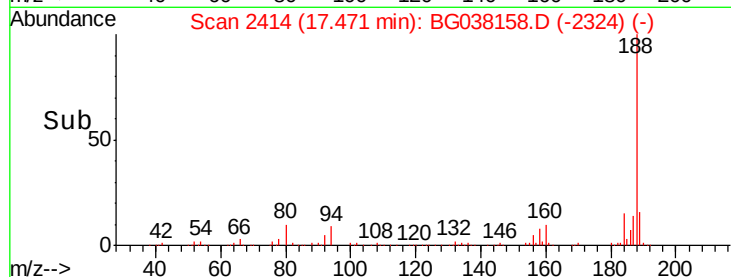
80 9.9 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 2.887 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.45 min

Lab File: BG038158.D

Acq: 27 Nov 2018 6:56

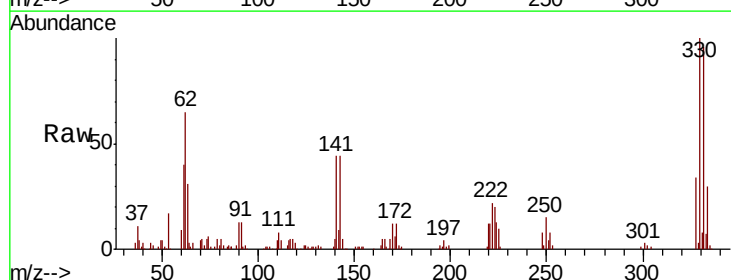
Tgt Ion:248 Resp: 8019

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 248 | 100   |       |        |
| 250 | 190.7 | 77.0  | 115.6# |
| 141 | 431.4 | 55.5  | 83.3#  |

248 100

250 190.7 77.0 115.6#

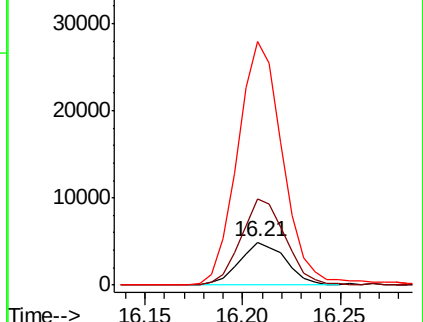
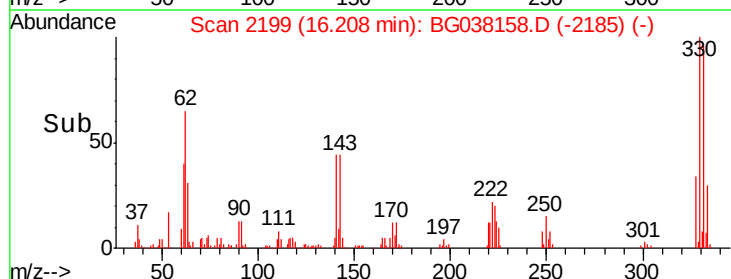
141 431.4 55.5 83.3#

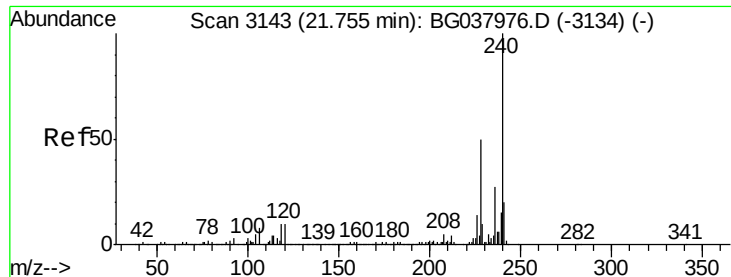


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

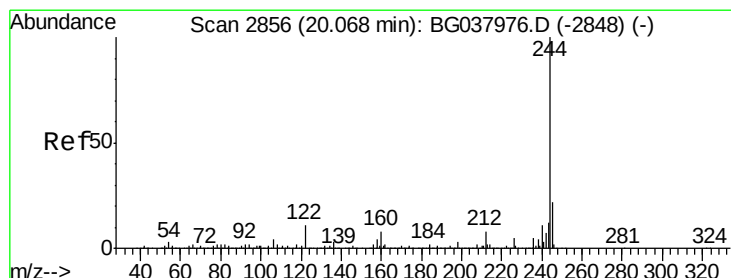
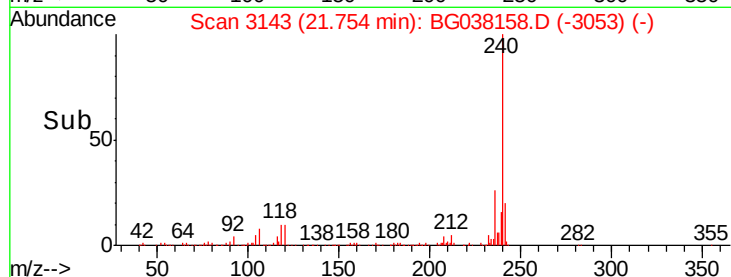
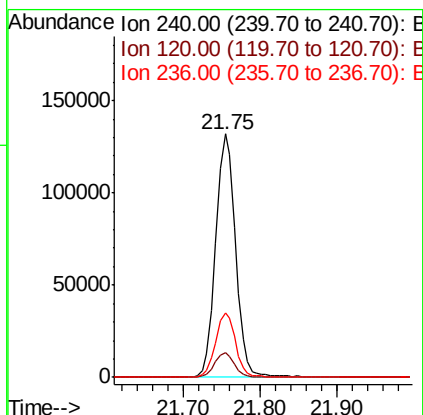
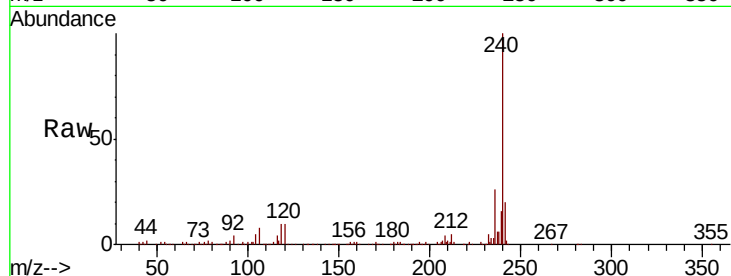




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.75 min Scan# 3143  
 Delta R.T. -0.00 min  
 Lab File: BG038158.D  
 Acq: 27 Nov 2018 6:56

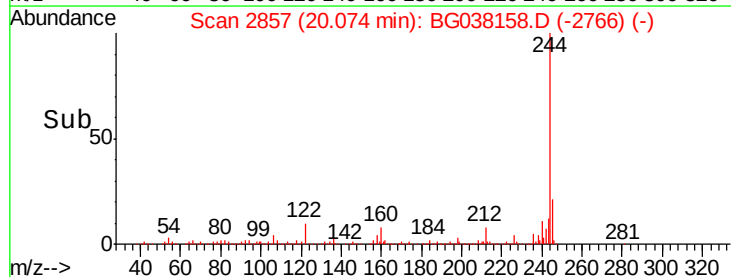
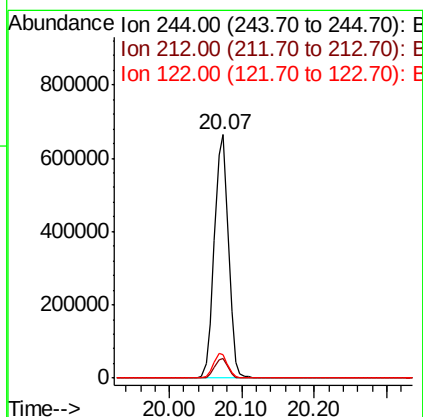
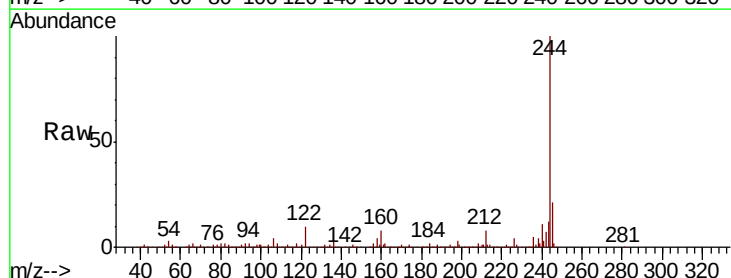
Instrument :  
 BNA\_G  
 ClientSampleId :

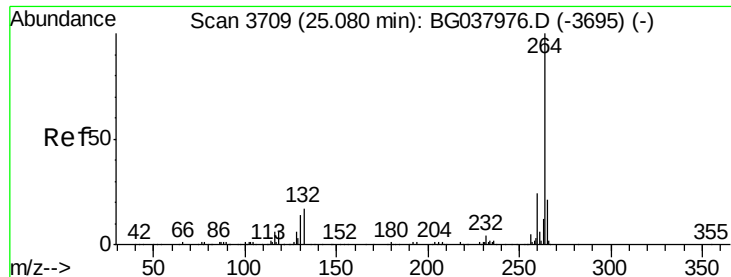
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.1  | 8.1   | 12.1  |
| 236     | 26.5  | 21.4  | 32.0  |



#79  
 Terphenyl-d14  
 Concen: 90.657 ng  
 RT: 20.07 min Scan# 2857  
 Delta R.T. 0.01 min  
 Lab File: BG038158.D  
 Acq: 27 Nov 2018 6:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.1   | 6.5   | 9.7   |
| 122     | 9.7   | 9.0   | 13.4  |





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.08 min Scan# 3709  
Delta R.T. -0.00 min  
Lab File: BG038158.D  
Acq: 27 Nov 2018 6:56

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.5  | 18.2  | 27.4  |
| 265     | 20.8  | 17.9  | 26.9  |

