

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112217\  
 Data File : BG031213.D  
 Acq On : 23 Nov 2017 6:58  
 Operator : SJ/JU  
 Sample : I6305-16  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 23 23:21:09 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 10 15:38:25 2017  
 Response via : Initial Calibration

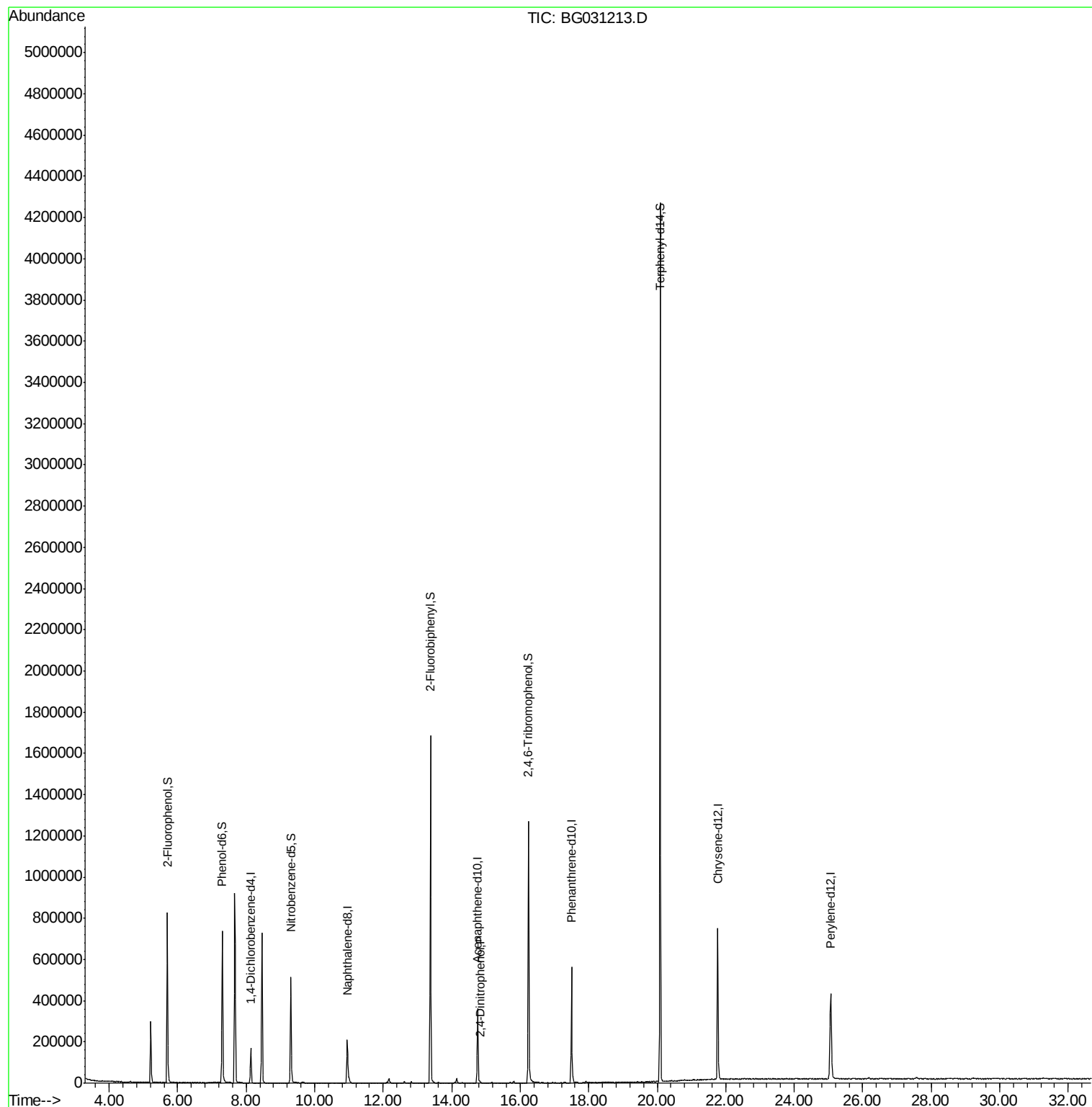
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.13  | 152  | 53548    | 20.00  | ng    | -0.02         |
| 21) Naphthalene-d8          | 10.95 | 136  | 226250   | 20.00  | ng    | -0.02         |
| 38) Acenaphthene-d10        | 14.76 | 164  | 146724   | 20.00  | ng    | -0.02         |
| 63) Phenanthrene-d10        | 17.50 | 188  | 386728   | 20.00  | ng    | -0.02         |
| 75) Chrysene-d12            | 21.77 | 240  | 504885   | 20.00  | ng    | -0.02         |
| 86) Perylene-d12            | 25.07 | 264  | 503564   | 20.00  | ng    | -0.02         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.70  | 112  | 423842   | 135.73 | ng    | 0.00          |
| 7) Phenol-d6                | 7.30  | 99   | 499473   | 118.72 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 9.30  | 82   | 353646   | 92.62  | ng    | -0.02         |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 285824   | 120.42 | ng    | -0.02         |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 979993   | 95.97  | ng    | -0.02         |
| 78) Terphenyl-d14           | 20.09 | 244  | 2036079  | 89.05  | ng    | -0.01         |
| Target Compounds            |       |      |          |        |       |               |
| 53) 2,4-Dinitrophenol       | 14.83 | 184  | 66       | 5.91   | ng    | Qvalue<br># 1 |

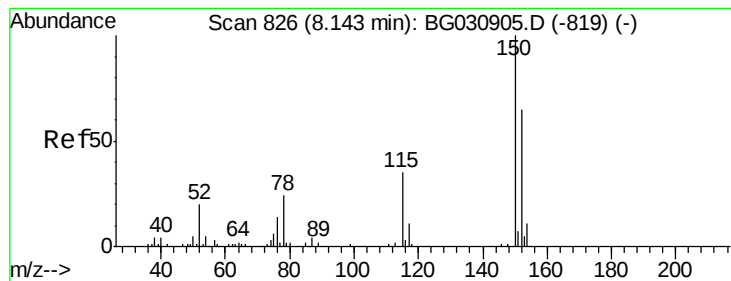
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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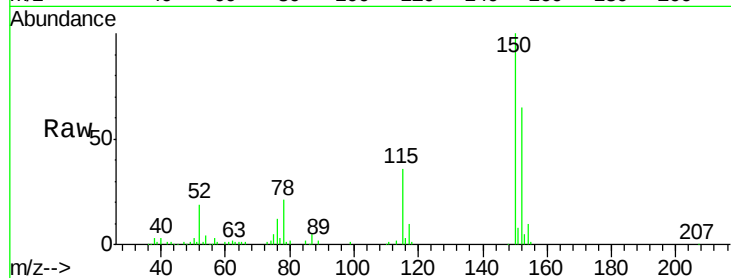


#1

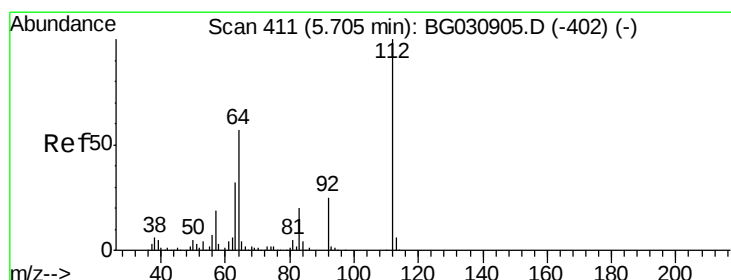
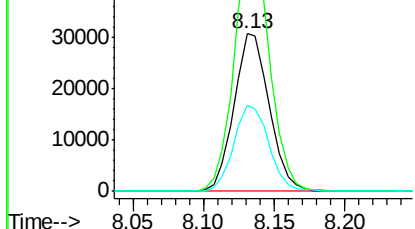
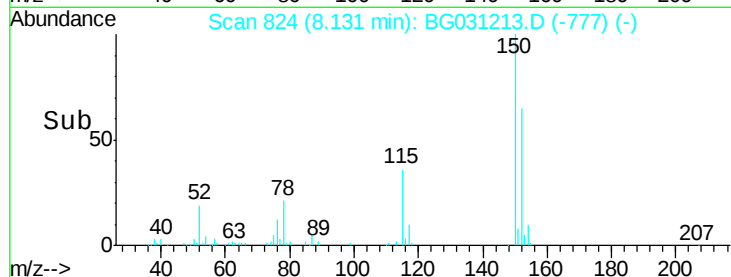
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.13 min Scan# 824  
Delta R.T. -0.02 min  
Lab File: BG031213.D  
Acq: 23 Nov 2017 6:58

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | 152   | Resp  | 53548 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 152     | 100   |       |       |
| 150     | 154.5 | 126.6 | 189.8 |
| 115     | 54.9  | 53.0  | 79.4  |



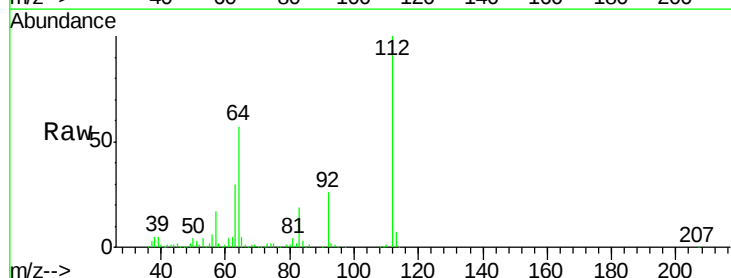
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



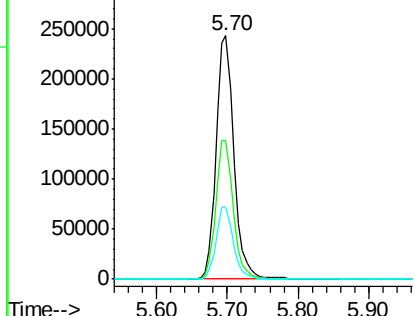
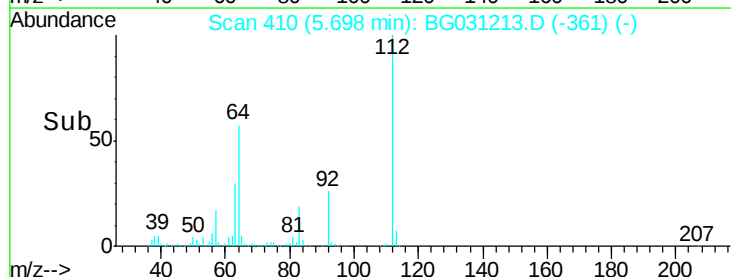
#5

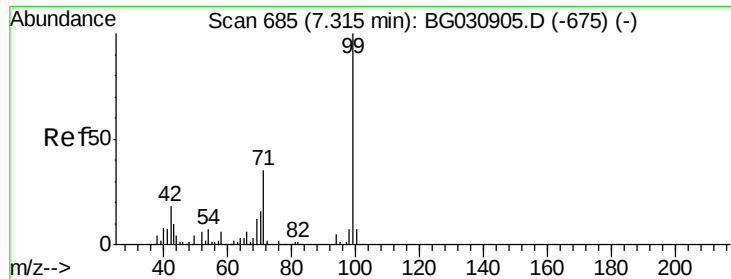
2-Fluorophenol  
Concen: 135.73 ng  
RT: 5.70 min Scan# 410  
Delta R.T. -0.01 min  
Lab File: BG031213.D  
Acq: 23 Nov 2017 6:58

| Tgt Ion | 112   | Resp  | 423842 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 112     | 100   |       |        |
| 64      | 57.0  | 56.3  | 84.5   |
| 63      | 29.7  | 30.1  | 45.1#  |



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: 118.72 ng

RT: 7.30 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG031213.D

Acq: 23 Nov 2017 6:58

Instrument :

BNA\_G

ClientSampleId :

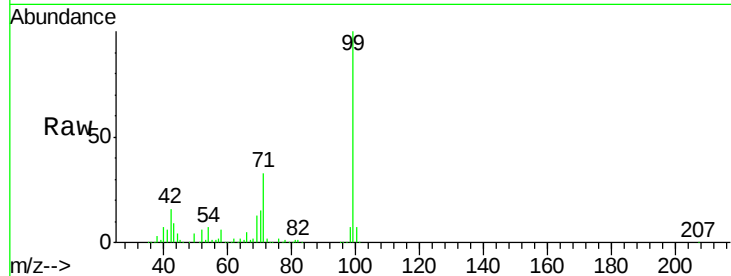
Tot Ion: 99 Resp: 499473

Ion Ratio Lower Upper

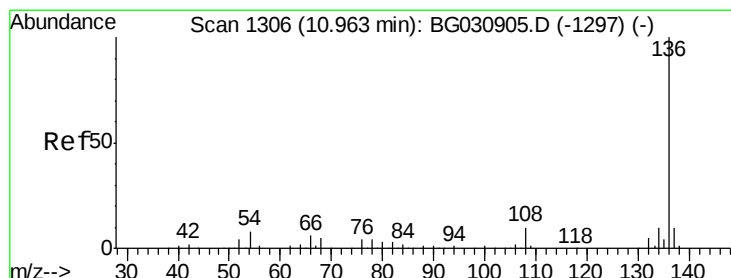
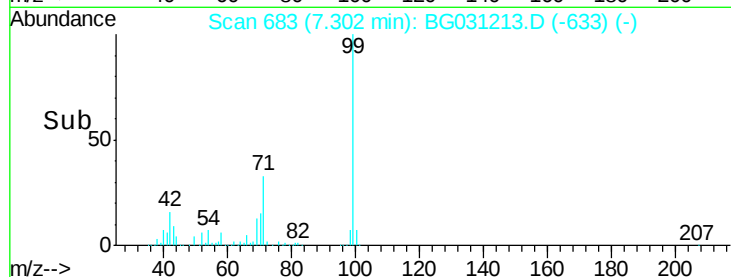
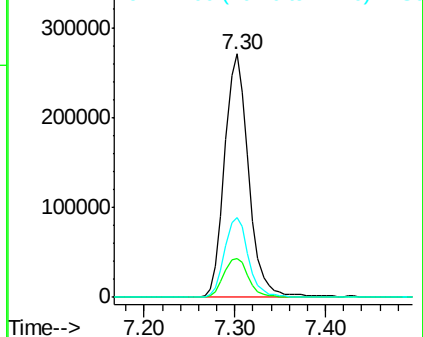
99 100

42 16.1 14.1 21.1

71 32.5 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: 20.00 ng

RT: 10.95 min Scan# 1304

Delta R.T. -0.02 min

Lab File: BG031213.D

Acq: 23 Nov 2017 6:58

Tgt Ion: 136 Resp: 226250

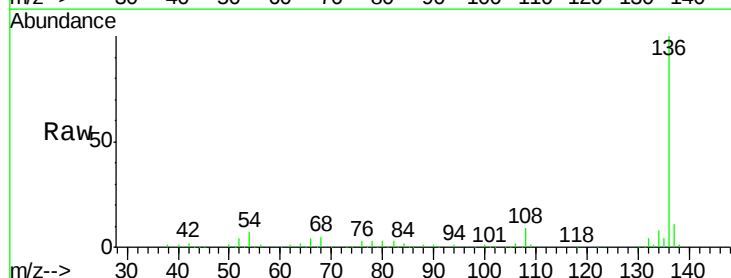
Ion Ratio Lower Upper

136 100

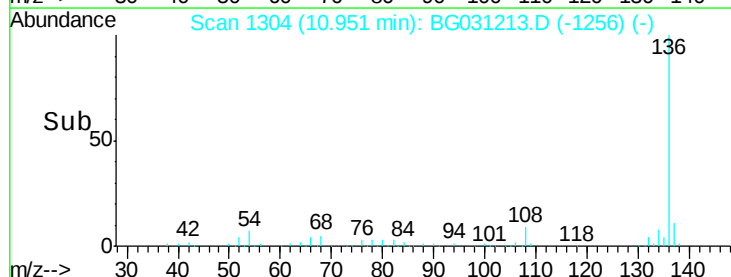
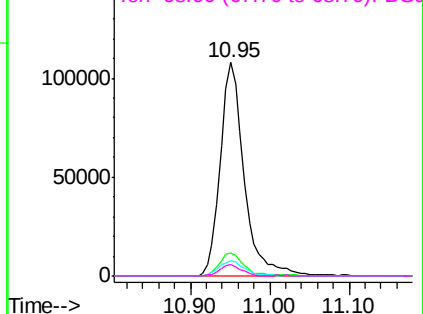
137 11.1 9.2 13.8

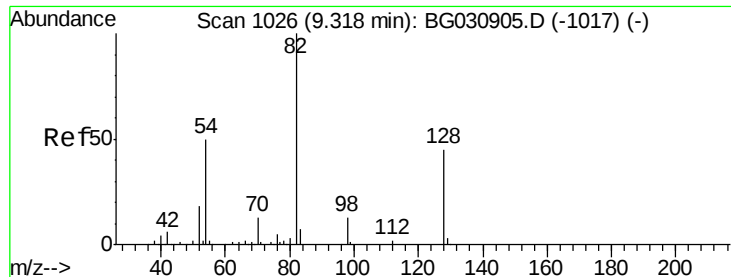
54 7.1 10.3 15.5#

68 5.2 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

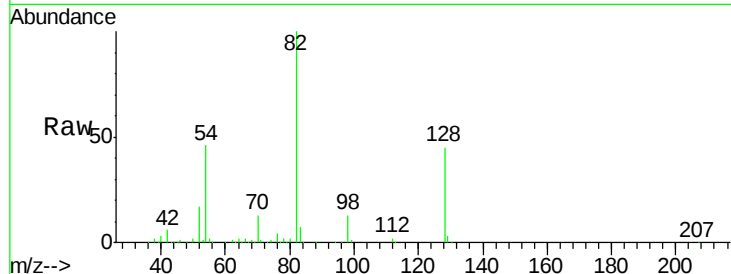




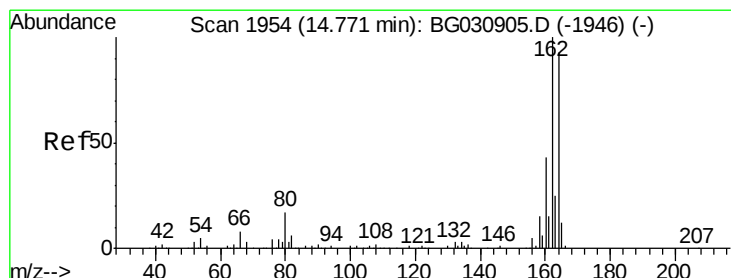
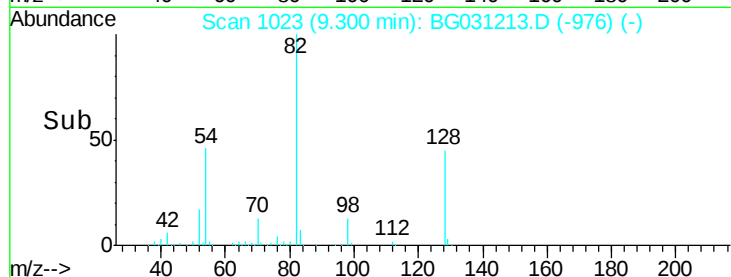
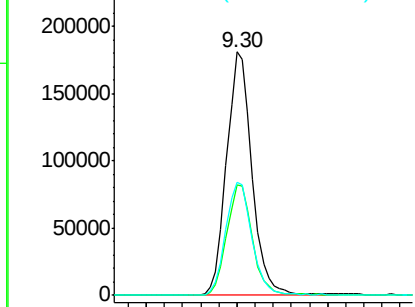
#23  
 Nitrobenzene-d5  
 Concen: 92.62 ng  
 RT: 9.30 min Scan# 1023  
 Delta R.T. -0.02 min  
 Lab File: BG031213.D  
 Acq: 23 Nov 2017 6:58

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion   | 82   | Resp  | 353646 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.2 | 29.7  | 44.5#  |
| 54        | 46.4 | 43.1  | 64.7   |

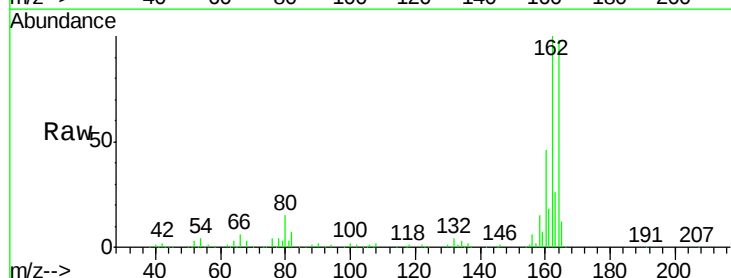


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

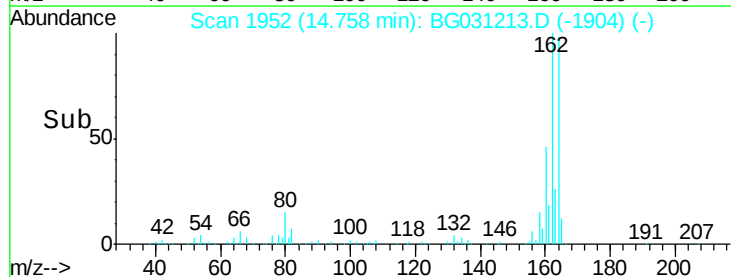
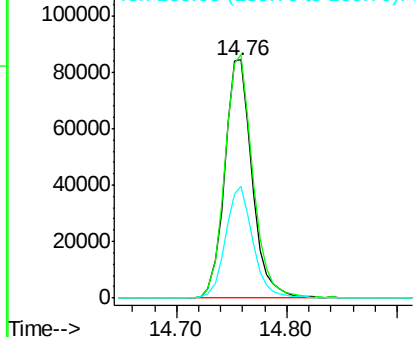


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.76 min Scan# 1952  
 Delta R.T. -0.02 min  
 Lab File: BG031213.D  
 Acq: 23 Nov 2017 6:58

| Tgt Ion   | 164   | Resp  | 146724 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 102.2 | 78.8  | 118.2  |
| 160       | 46.9  | 35.4  | 53.0   |



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





#41

2,4,6-Tribromophenol

Concen: 120.42 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BG031213.D

Acq: 23 Nov 2017 6:58

Instrument :

BNA\_G

ClientSampleId :

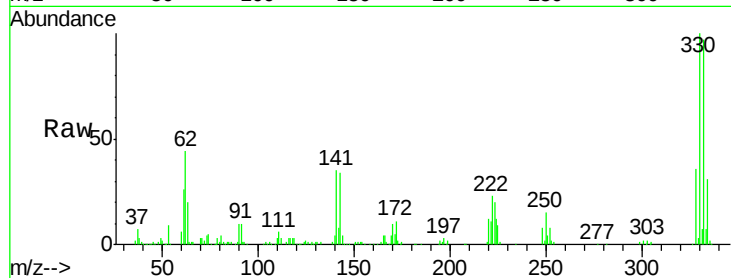
Tot Ion:330 Resp: 285824

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

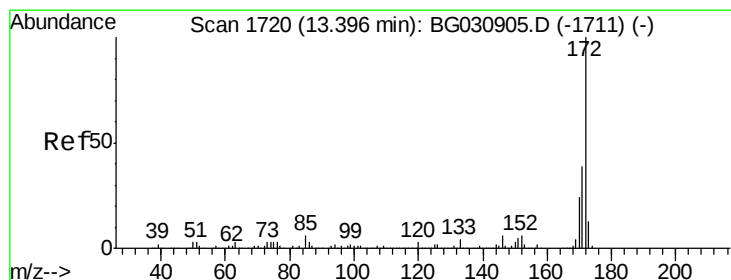
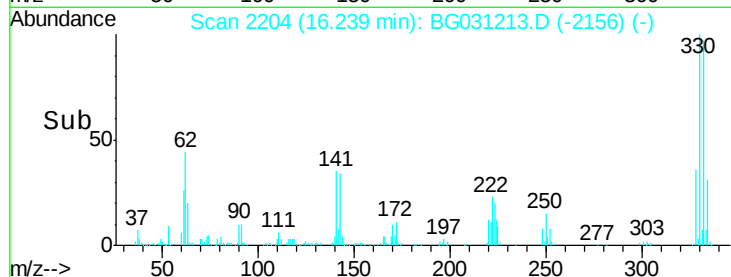
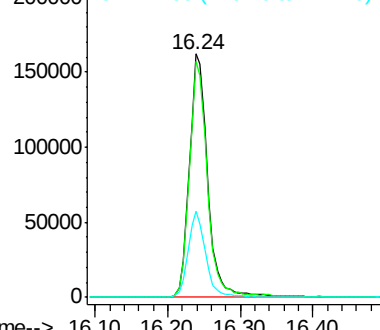
141 33.6 25.2 37.8



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



#44

2-Fluorobiphenyl

Concen: 95.97 ng

RT: 13.38 min Scan# 1717

Delta R.T. -0.02 min

Lab File: BG031213.D

Acq: 23 Nov 2017 6:58

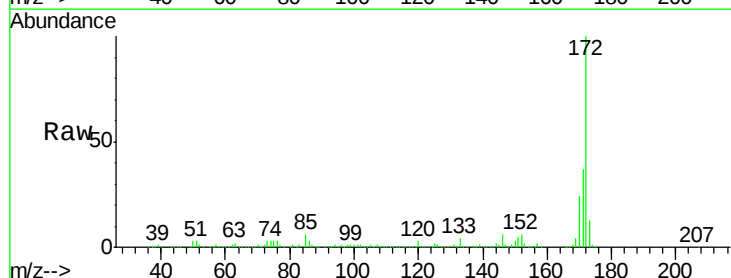
Tgt Ion:172 Resp: 979993

Ion Ratio Lower Upper

172 100

171 37.0 30.0 45.0

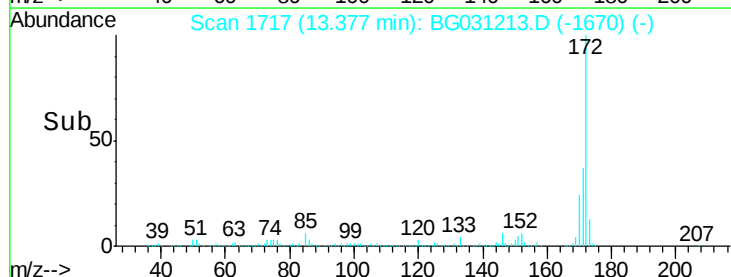
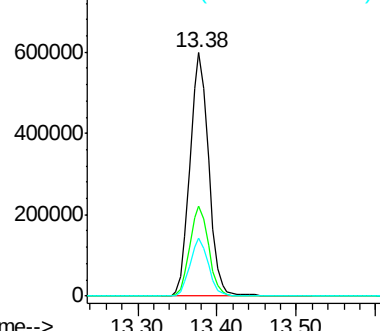
170 24.1 19.5 29.3

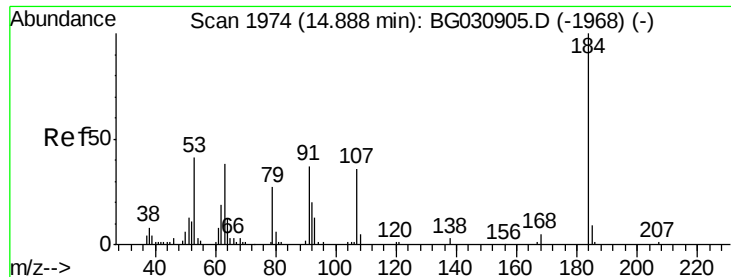


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

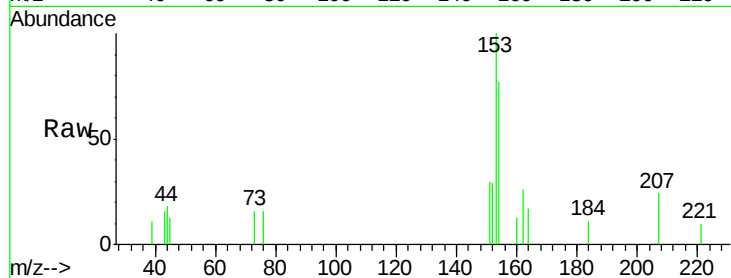




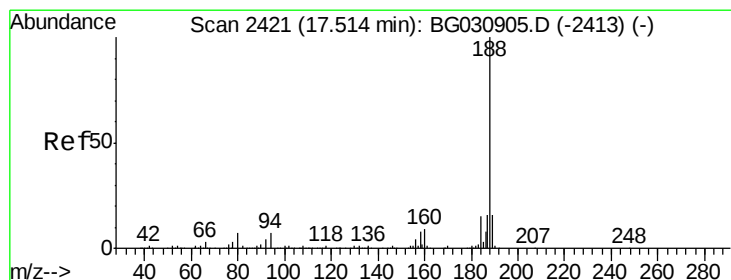
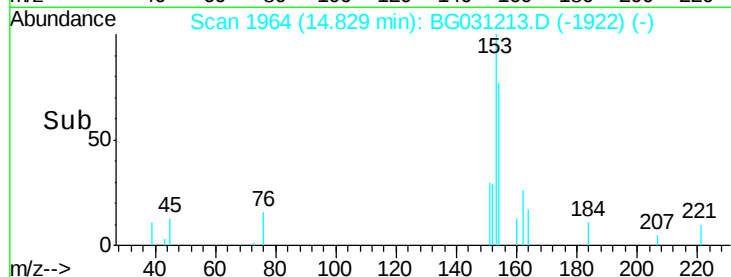
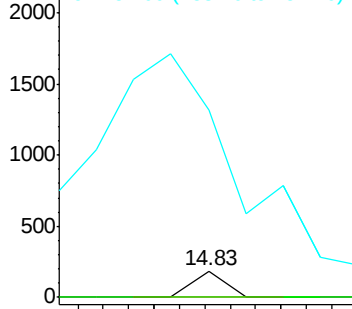
#53  
 2,4-Dinitrophenol  
 Concen: 5.91 ng  
 RT: 14.83 min Scan# 1964  
 Delta R.T. -0.05 min  
 Lab File: BG031213.D  
 Acq: 23 Nov 2017 6:58

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:184 Resp: 66  
 Ion Ratio Lower Upper  
 184 100  
 63 0.0 59.8 89.8#  
 154 705.4 101.8 152.8#

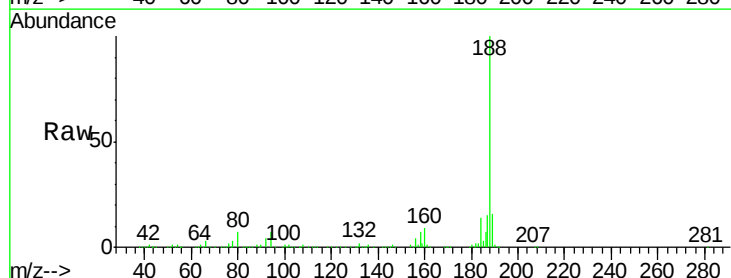


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 154.00 (153.70 to 154.70): E

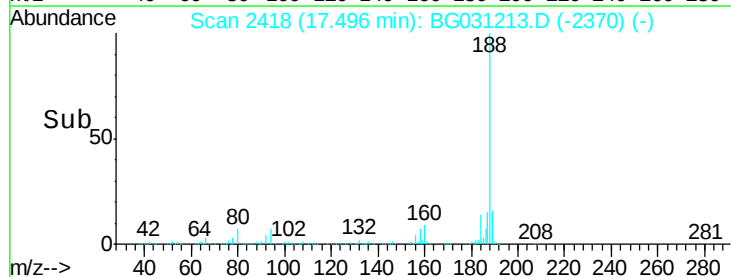
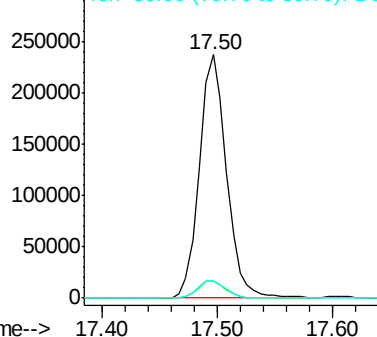


#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.50 min Scan# 2418  
 Delta R.T. -0.02 min  
 Lab File: BG031213.D  
 Acq: 23 Nov 2017 6:58

Tgt Ion:188 Resp: 386728  
 Ion Ratio Lower Upper  
 188 100  
 94 7.2 6.9 10.3  
 80 7.2 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

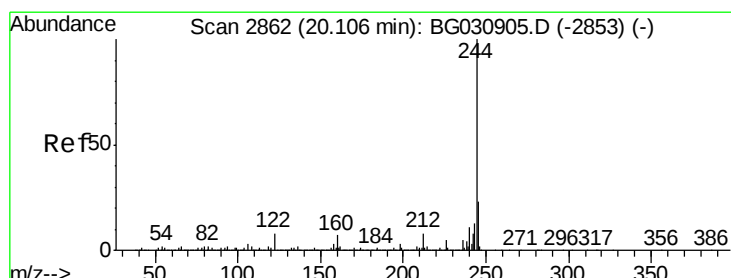
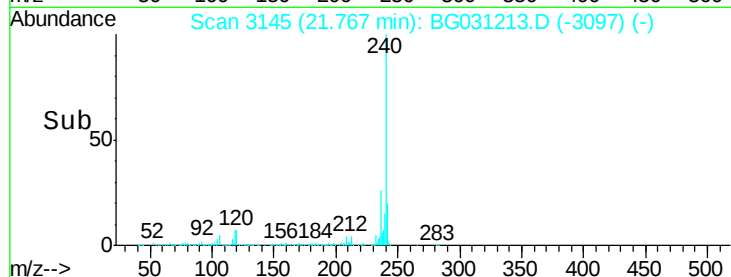
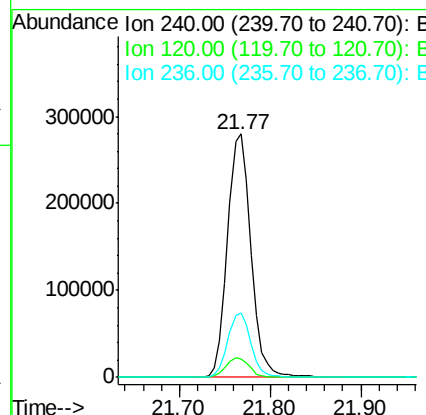
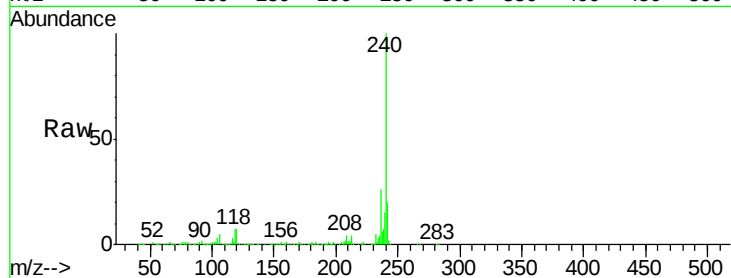




#75  
 Chrvsene-d12  
 Concen: 20.00 ng  
 RT: 21.77 min Scan# 3145  
 Delta R.T. -0.02 min  
 Lab File: BG031213.D  
 Acq: 23 Nov 2017 6:58

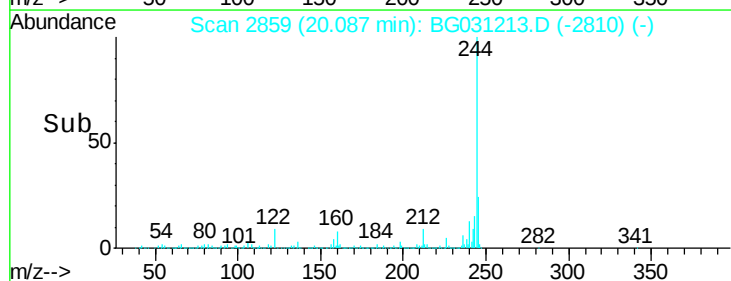
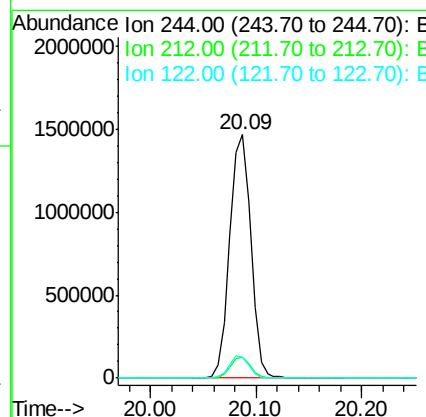
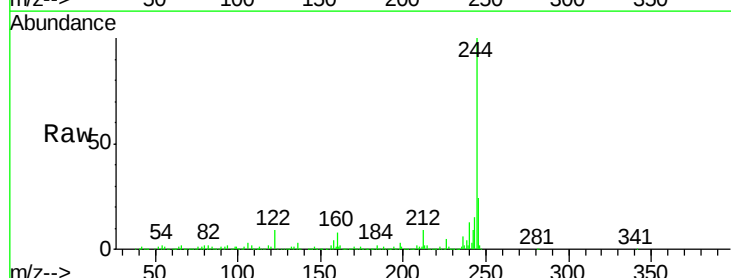
Instrument :  
 BNA\_G  
 ClientSampleId :

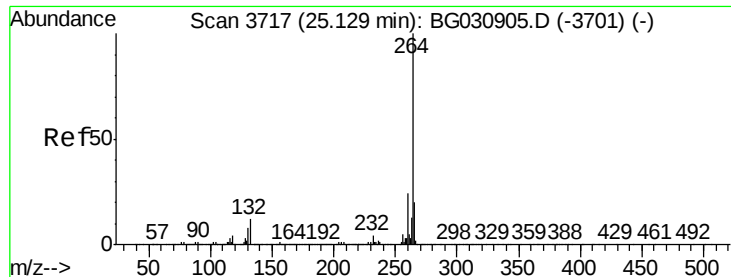
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.3   | 6.8   | 10.2  |
| 236     | 26.4  | 20.9  | 31.3  |



#78  
 Terphenyl-d14  
 Concen: 89.05 ng  
 RT: 20.09 min Scan# 2859  
 Delta R.T. -0.01 min  
 Lab File: BG031213.D  
 Acq: 23 Nov 2017 6:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.8   | 5.8   | 8.8#  |
| 122     | 8.8   | 7.0   | 10.4  |

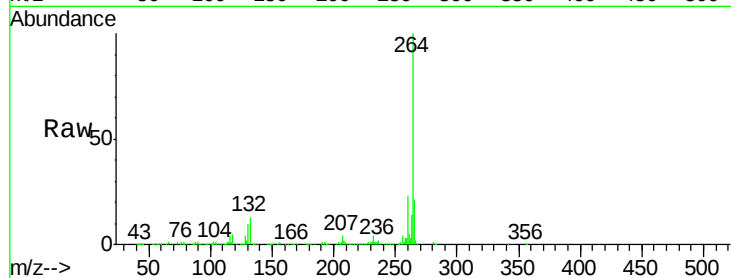




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 25.07 min Scan# 3707  
 Delta R.T. -0.02 min  
 Lab File: BG031213.D  
 Acq: 23 Nov 2017 6:58

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 17.4  | 26.0  |
| 265     | 21.4  | 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

