

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\  
 Data File : BG022323.D  
 Acq On : 13 Jun 2016 13:39  
 Operator : UM/SJ  
 Sample : H3448-03  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 2-VE-PILE-WALL(0-2)

Quant Time: Jun 13 18:15:53 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 13 17:40:23 2016  
 Response via : Initial Calibration

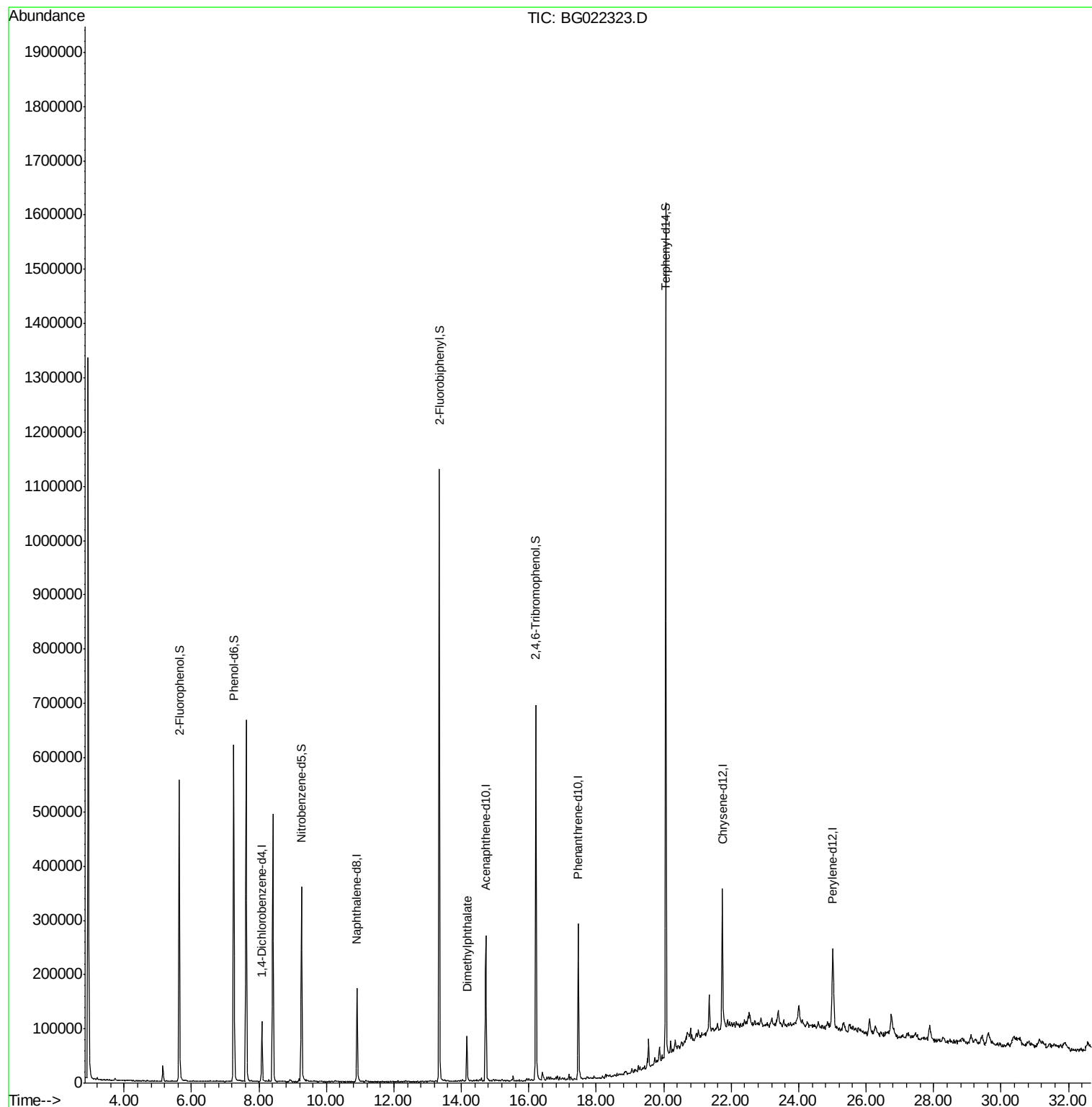
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.09  | 152  | 38949    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.91 | 136  | 190192   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.72 | 164  | 103346   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.47 | 188  | 201606   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.73 | 240  | 165433   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.01 | 264  | 157798   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.63  | 112  | 358126   | 177.78 | ng    | 0.00         |
| 7) Phenol-d6                | 7.25  | 99   | 521230   | 164.57 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.26  | 82   | 290185   | 106.37 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.21 | 330  | 149724   | 128.21 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.34 | 172  | 665839   | 98.19  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.06 | 244  | 715679   | 102.71 | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.17 | 163  | 68655    | 8.01   | ng    | Qvalue<br>99 |

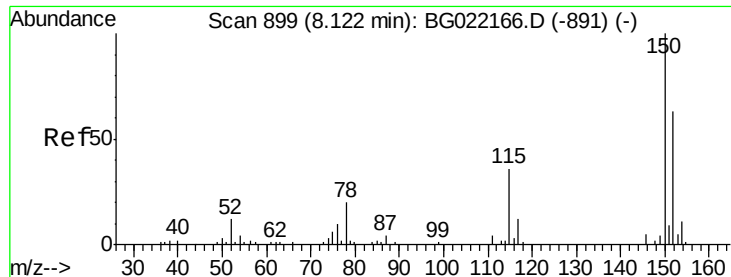
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\  
Data File : BG022323.D  
Acq On : 13 Jun 2016 13:39  
Operator : UM/SJ  
Sample : H3448-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
2-VE-PILE-WALL(0-2)

Quant Time: Jun 13 18:15:53 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 13 17:40:23 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.09 min Scan# 893

Delta R.T. -0.01 min

Lab File: BG022323.D

Acq: 13 Jun 2016 13:39

Instrument :

BNA\_G

ClientSampleId :

2-VE-PILE-WALL(0-2)

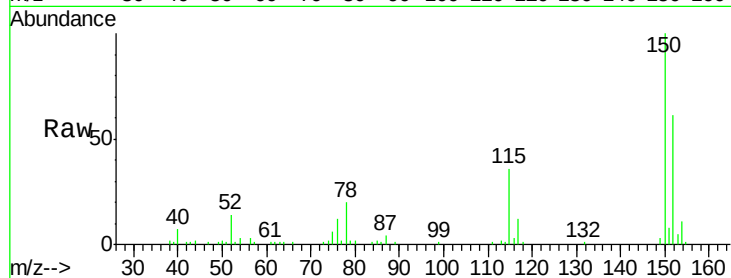
Tot Ion:152 Resp: 38949

Ion Ratio Lower Upper

152 100

150 164.9 130.1 195.1

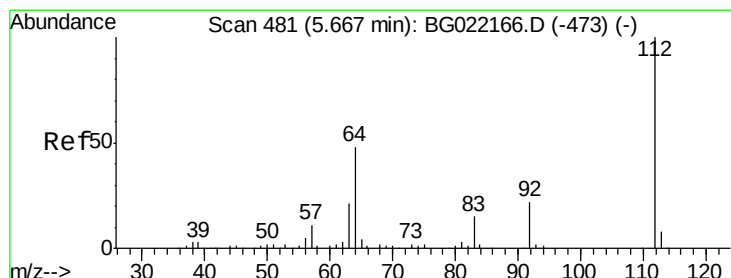
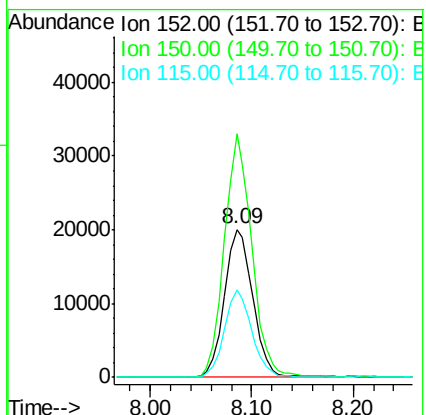
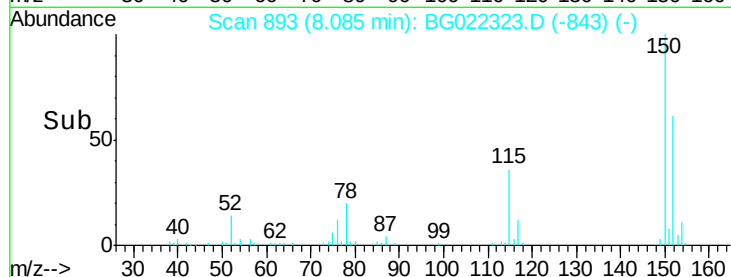
115 59.2 62.2 93.2#



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: 177.78 ng

RT: 5.63 min Scan# 476

Delta R.T. 0.00 min

Lab File: BG022323.D

Acq: 13 Jun 2016 13:39

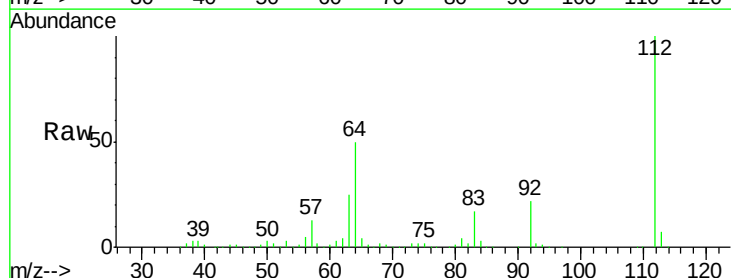
Tgt Ion:112 Resp: 358126

Ion Ratio Lower Upper

112 100

64 49.8 51.1 76.7#

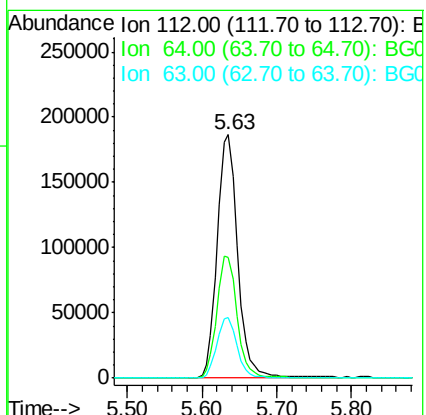
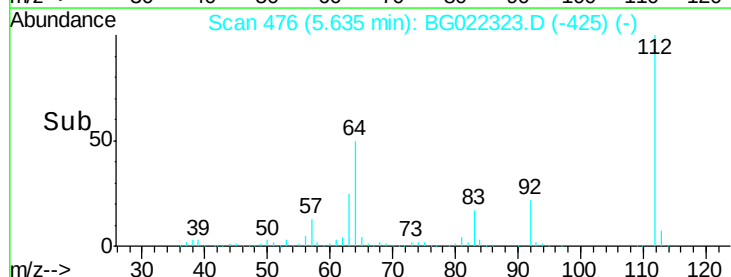
63 24.8 24.6 37.0

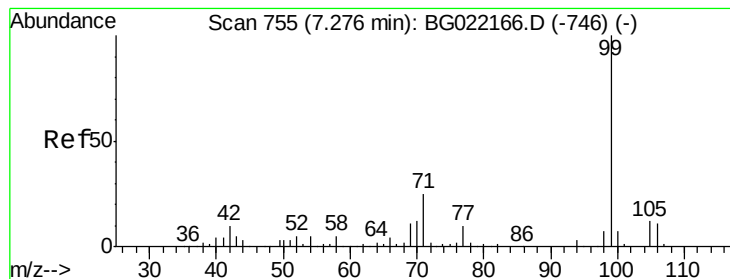


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 164.57 ng

RT: 7.25 min Scan# 751

Delta R.T. 0.00 min

Lab File: BG022323.D

Acq: 13 Jun 2016 13:39

Instrument :

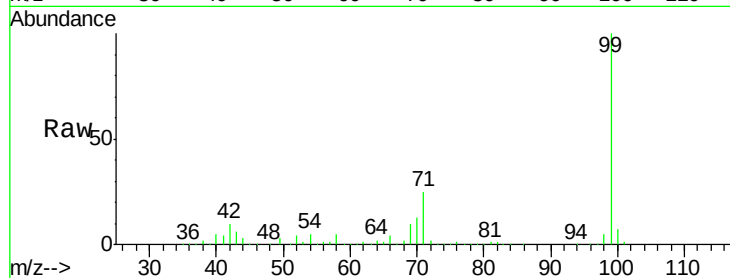
BNA\_G

ClientSampleId :

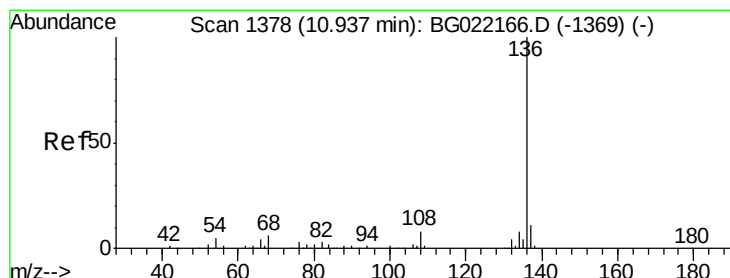
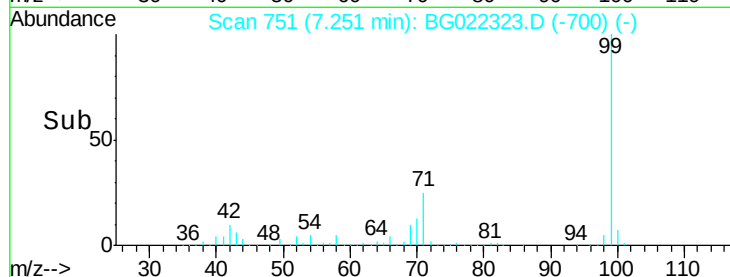
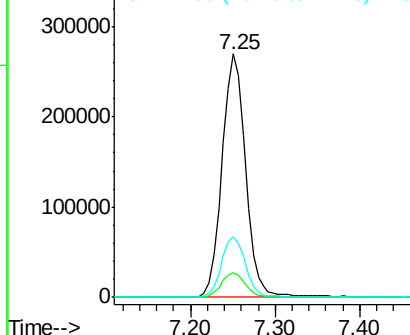
2-VE-PILE-WALL(0-2)

Tot Ion: 99 Resp: 521230

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 10.2  | 16.4  | 24.6# |
| 71  | 25.1  | 25.0  | 37.4  |



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: 10.91 min Scan# 1373

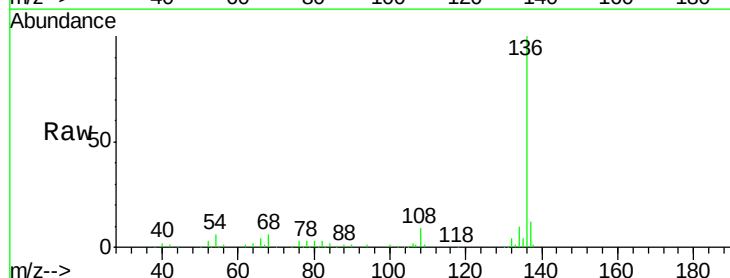
Delta R.T. 0.00 min

Lab File: BG022323.D

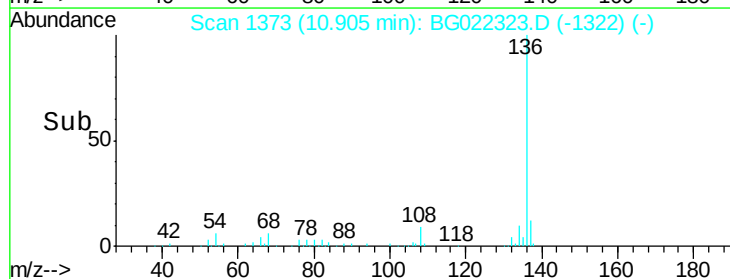
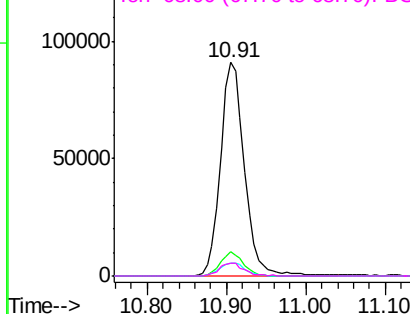
Acq: 13 Jun 2016 13:39

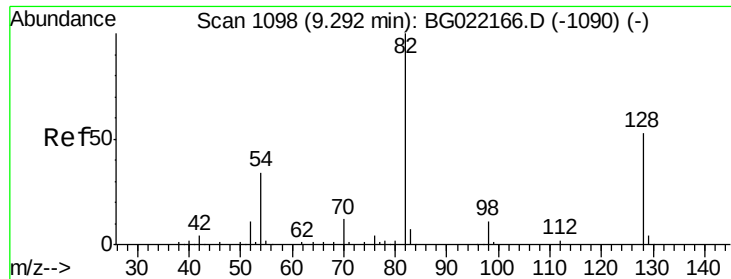
Tgt Ion: 136 Resp: 190192

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.7  | 9.0   | 13.4  |
| 54  | 6.2   | 9.6   | 14.4# |
| 68  | 5.9   | 6.4   | 9.6#  |



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

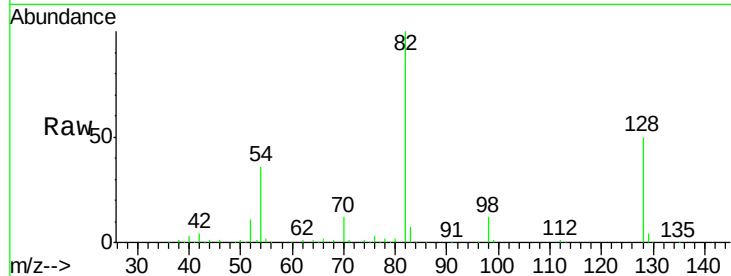




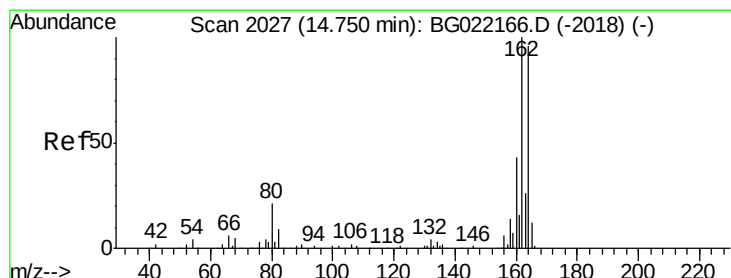
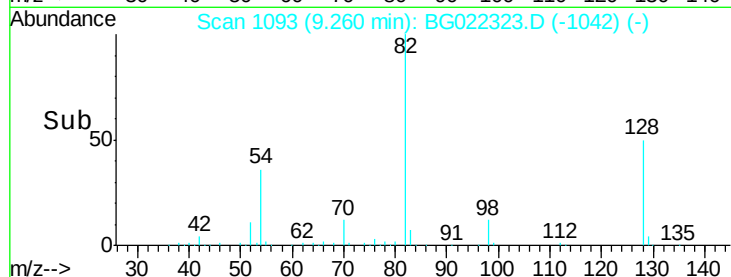
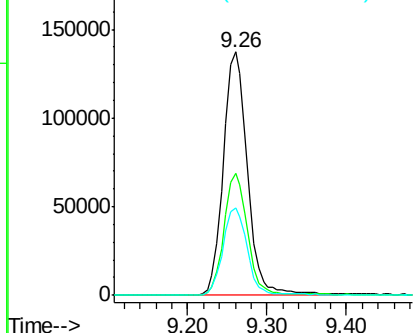
#23  
 Nitrobenzene-d5  
 Concen: 106.37 ng  
 RT: 9.26 min Scan# 1093  
 Delta R.T. 0.00 min  
 Lab File: BG022323.D  
 Acq: 13 Jun 2016 13:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 2-VE-PILE-WALL(0-2)

| Tot Ion   | 82    | Resp  | 290185 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 50.3  | 33.4  | 50.0#  |
| 54        | 36.0  | 46.1  | 69.1#  |

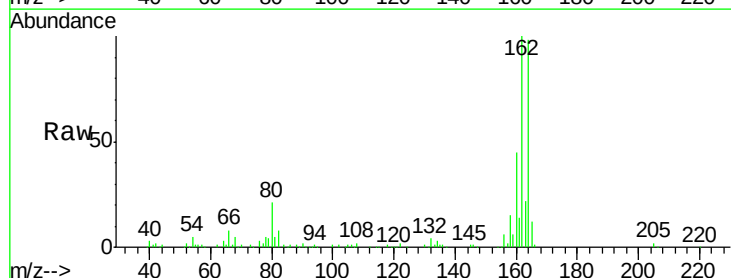


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

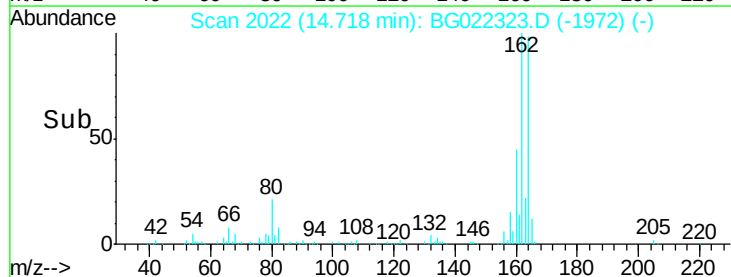
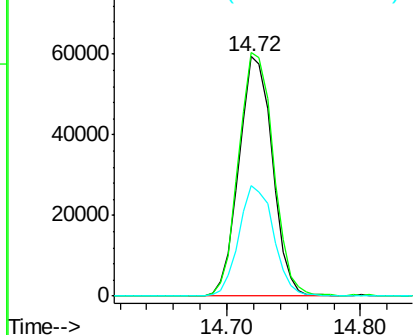


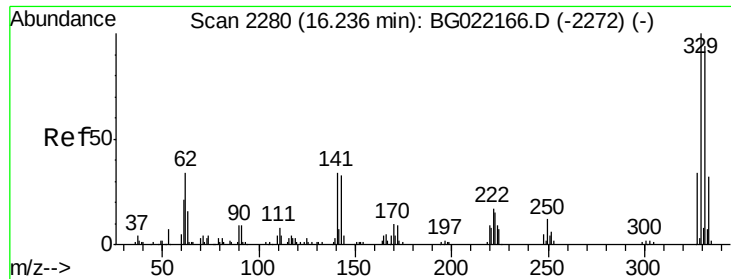
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.72 min Scan# 2022  
 Delta R.T. -0.01 min  
 Lab File: BG022323.D  
 Acq: 13 Jun 2016 13:39

| Tgt Ion   | 164   | Resp  | 103346 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.6 | 78.0  | 117.0  |
| 160       | 46.1  | 32.9  | 49.3   |



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

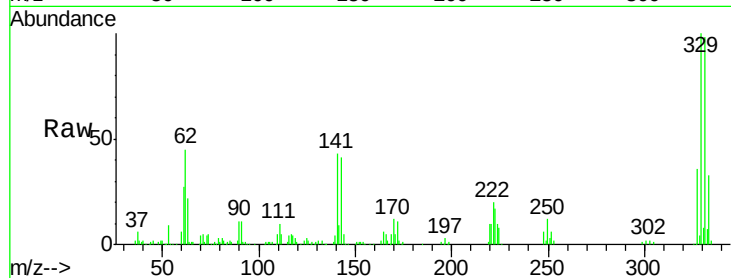




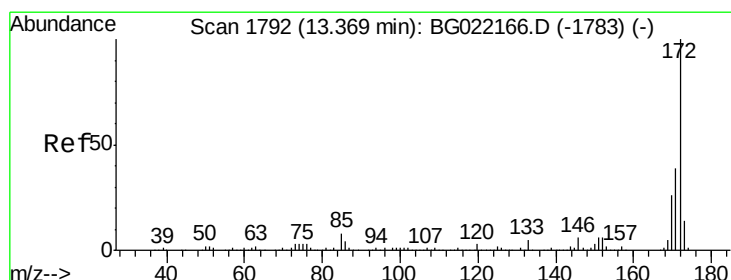
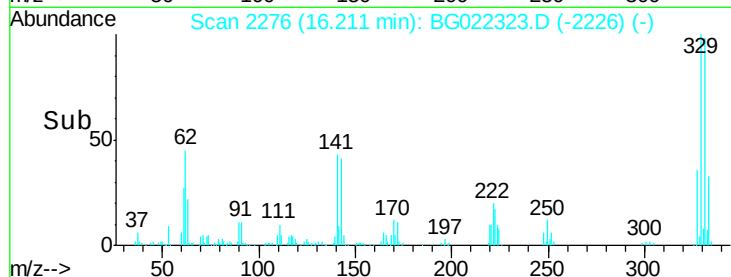
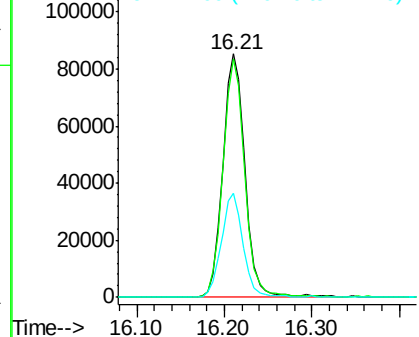
#41  
 2,4,6-Tribromophenol  
 Concen: 128.21 ng  
 RT: 16.21 min Scan# 2276  
 Delta R.T. -0.01 min  
 Lab File: BG022323.D  
 Acq: 13 Jun 2016 13:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 2-VE-PILE-WALL(0-2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 78.0  | 117.0 |
| 141     | 42.0  | 33.8  | 50.8  |

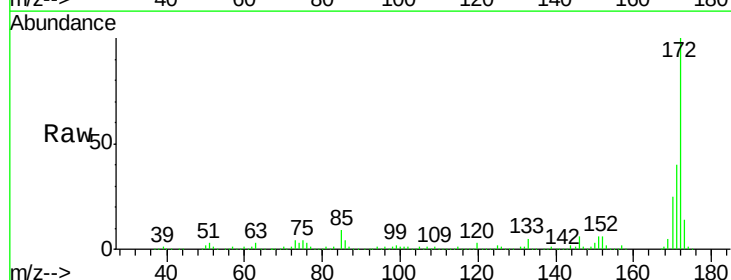


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

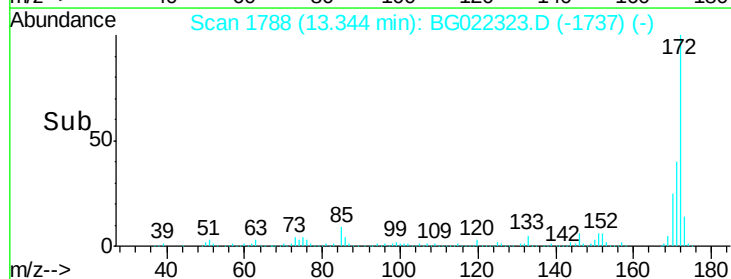
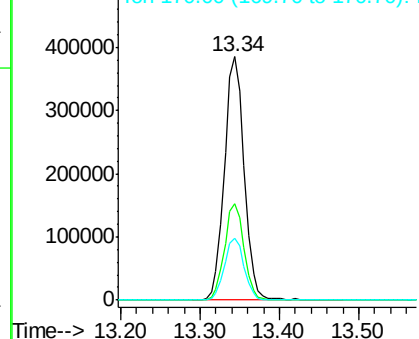


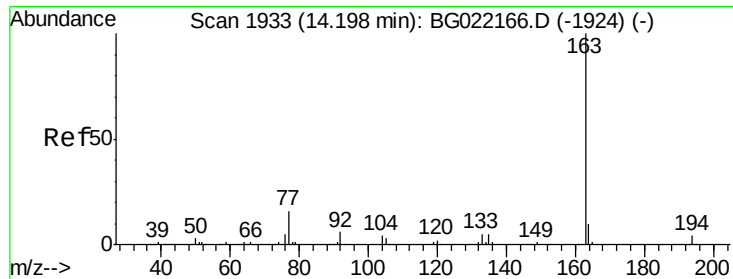
#44  
 2-Fluorobiphenyl  
 Concen: 98.19 ng  
 RT: 13.34 min Scan# 1788  
 Delta R.T. 0.00 min  
 Lab File: BG022323.D  
 Acq: 13 Jun 2016 13:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.6  | 27.8  | 41.6  |
| 170     | 25.3  | 19.6  | 29.4  |



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





#49

Dimethylphthalate

Concen: 8.01 ng

RT: 14.17 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BG022323.D

Acq: 13 Jun 2016 13:39

Instrument :

BNA\_G

ClientSampleId :

2-VE-PILE-WALL(0-2)

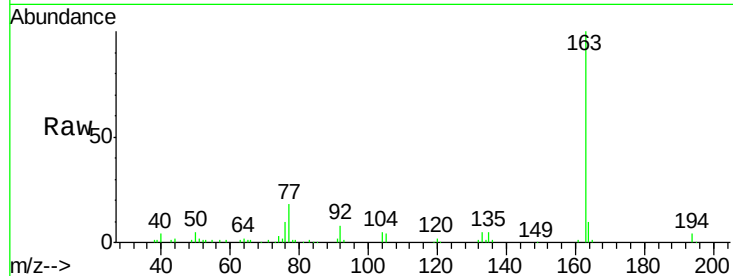
Tot Ion:163 Resp: 68655

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

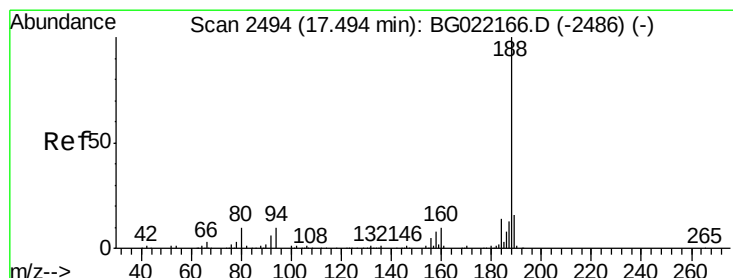
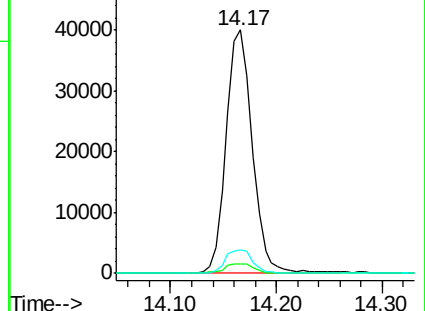
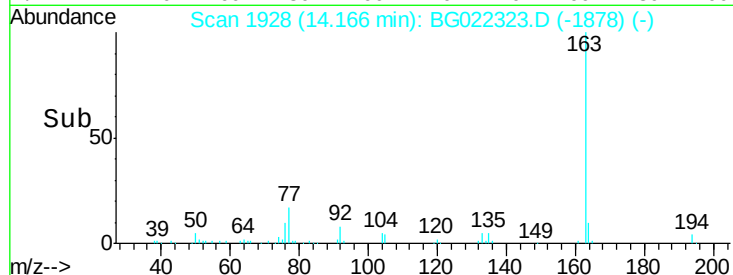
164 9.9 8.1 12.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.47 min Scan# 2490

Delta R.T. 0.00 min

Lab File: BG022323.D

Acq: 13 Jun 2016 13:39

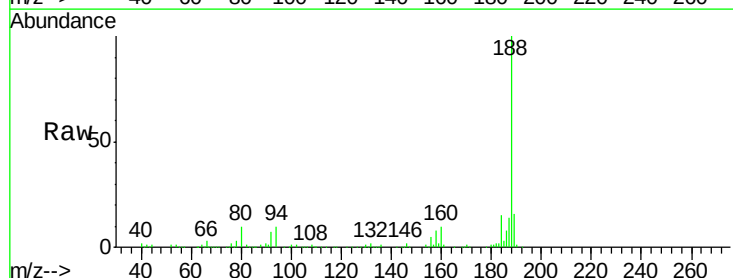
Tgt Ion:188 Resp: 201606

Ion Ratio Lower Upper

188 100

94 10.1 7.5 11.3

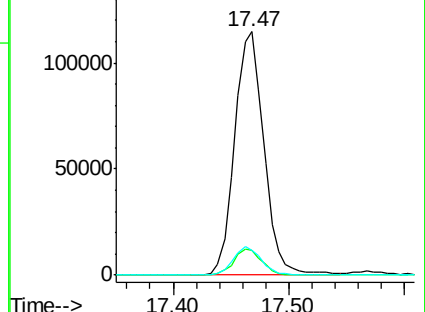
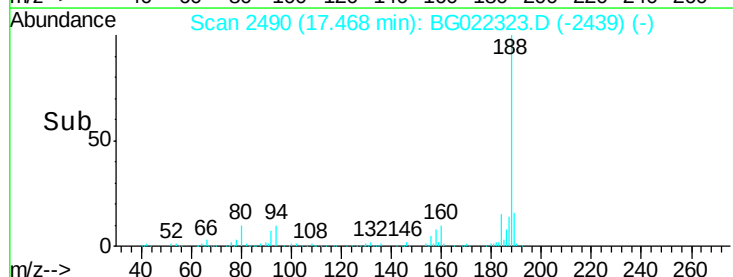
80 10.3 8.6 13.0

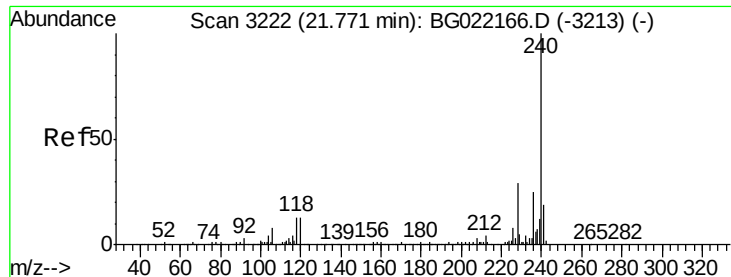


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.73 min Scan# 3216

Delta R.T. -0.01 min

Lab File: BG022323.D

Acq: 13 Jun 2016 13:39

Instrument :

BNA\_G

ClientSampleId :

2-VE-PILE-WALL(0-2)

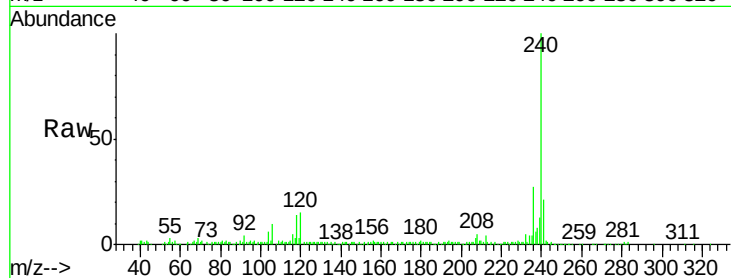
Tot Ion:240 Resp: 165433

Ion Ratio Lower Upper

240 100

120 14.9 8.4 12.6#

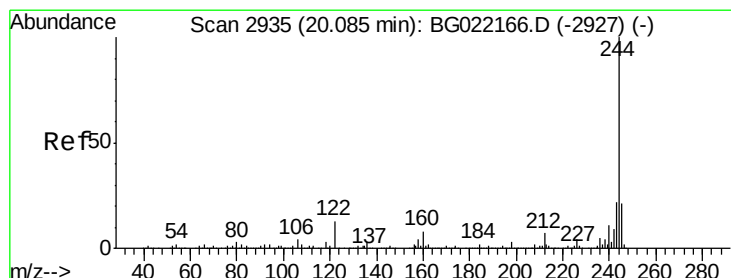
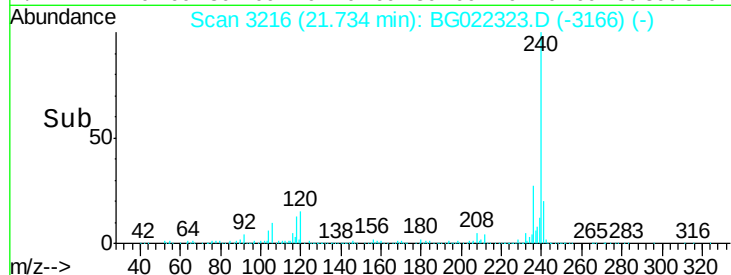
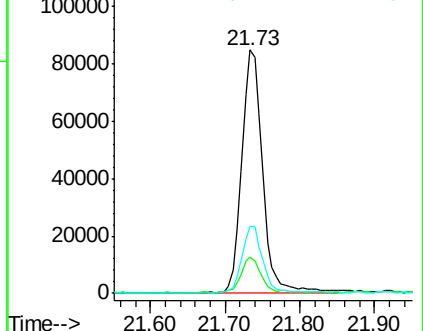
236 27.3 19.6 29.4



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



#78

Terphenyl-d14

Concen: 102.71 ng

RT: 20.06 min Scan# 2931

Delta R.T. 0.00 min

Lab File: BG022323.D

Acq: 13 Jun 2016 13:39

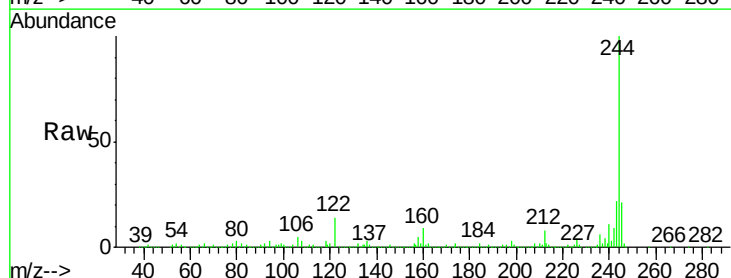
Tgt Ion:244 Resp: 715679

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

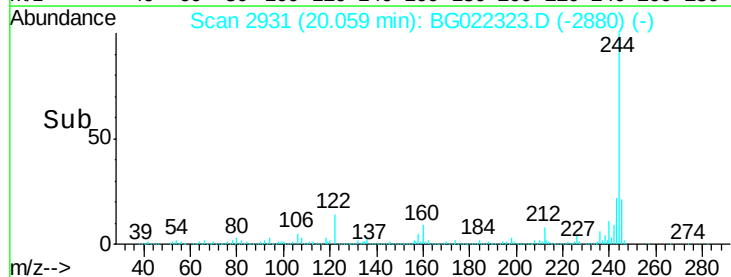
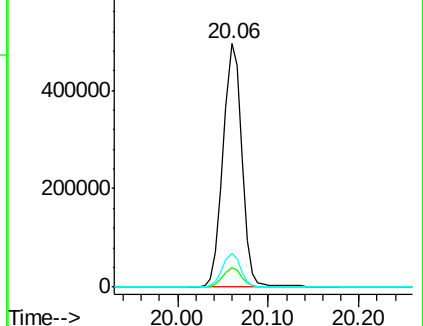
122 13.8 8.6 12.8#



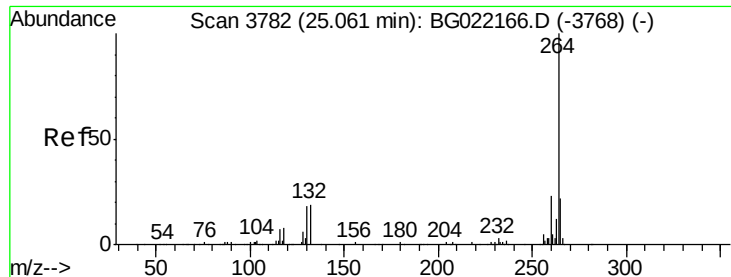
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



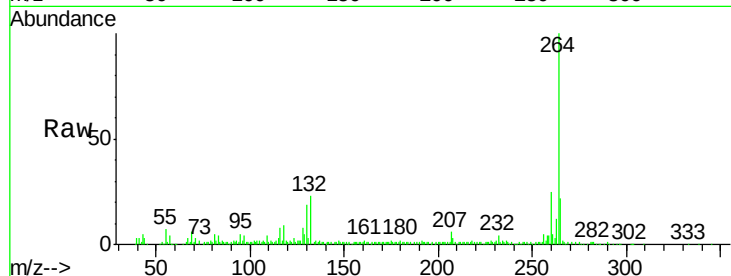




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.01 min Scan# 3774  
Delta R.T. 0.00 min  
Lab File: BG022323.D  
Acq: 13 Jun 2016 13:39

Instrument :  
BNA\_G  
ClientSampleId :  
2-VE-PILE-WALL(0-2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 20.2  | 30.4  |
| 265     | 21.9  | 17.8  | 26.8  |



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

