

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032217\  
 Data File : BG026389.D  
 Acq On : 22 Mar 2017 23:54  
 Operator : SJ/MA  
 Sample : I2350-15  
 Misc : L00 20 PPB  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 23 01:15:28 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 20 17:43:27 2017  
 Response via : Initial Calibration

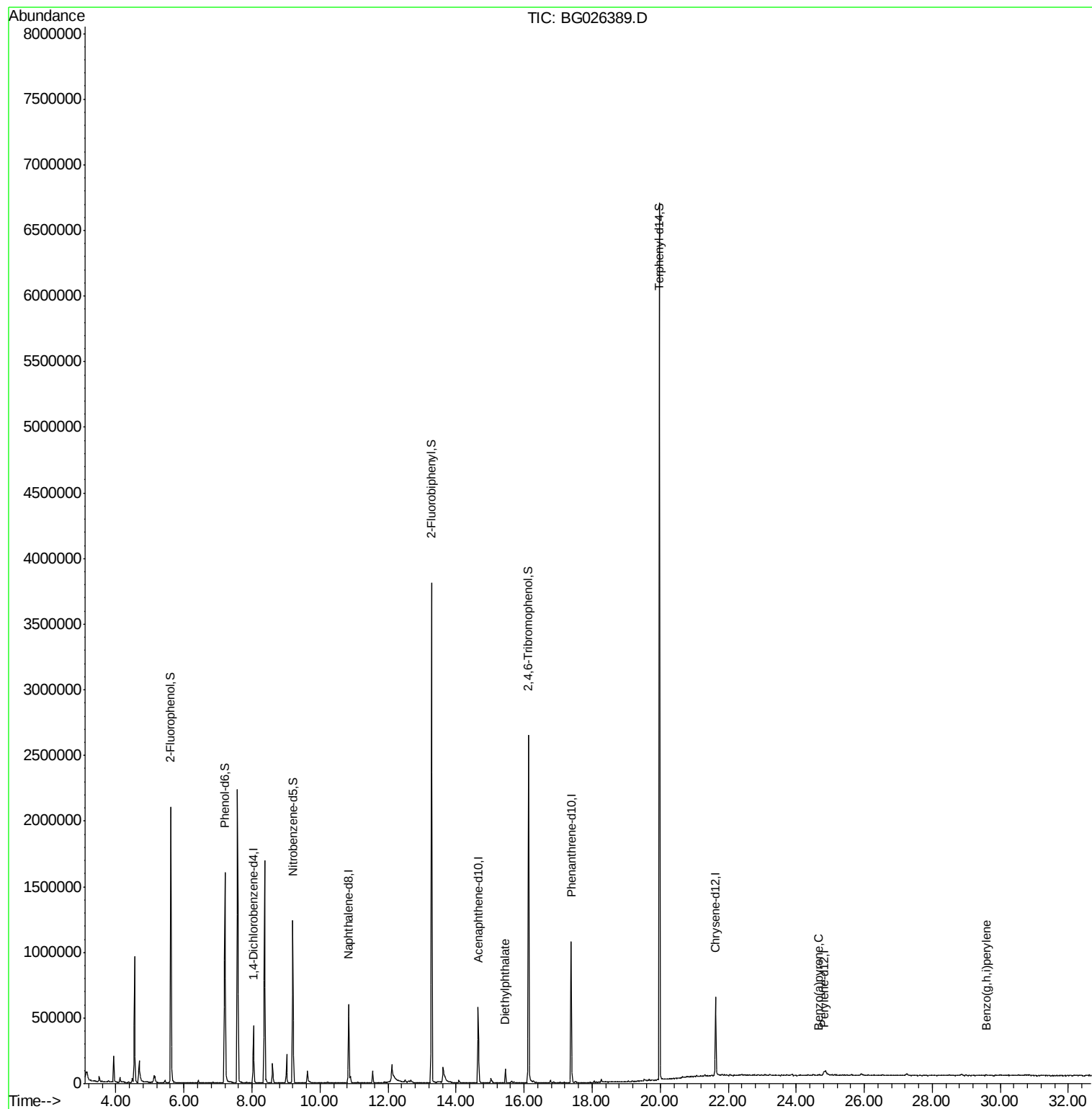
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 142440   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.84 | 136  | 572890   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.65 | 164  | 181987   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.38 | 188  | 674055   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.62 | 240  | 290402   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 24.82 | 264  | 4895     | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 1103926  | 137.56 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 970897   | 90.11  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 812190   | 85.24  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330  | 584666   | 280.54 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 2141839  | 165.05 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.98 | 244  | 2628104  | 219.78 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 59) Diethylphthalate        | 15.45 | 149  | 60362    | 4.30   | ng    | 99       |
| 89) Benzo(a)pyrene          | 24.67 | 252  | 2386     | 8.62   | ng    | # 75     |
| 91) Benzo(g,h,i)perylene    | 29.59 | 276  | 1657     | 5.88   | ng    | # 91     |

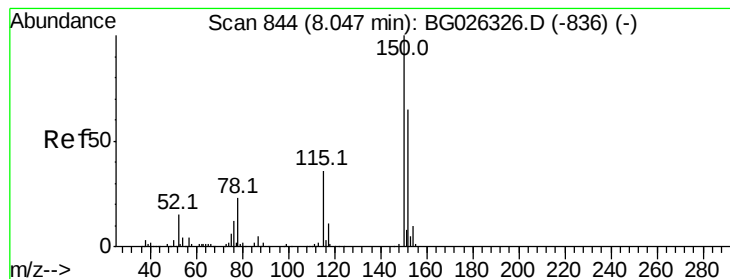
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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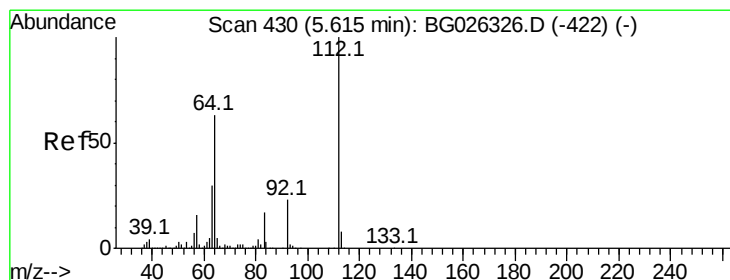
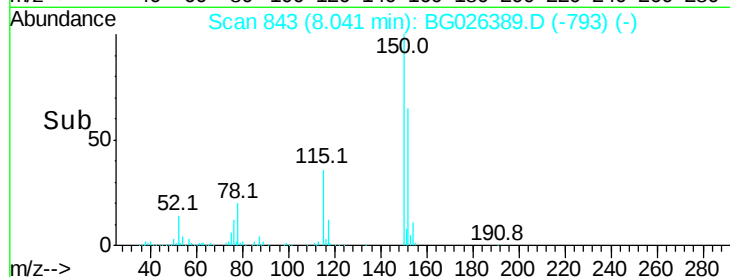
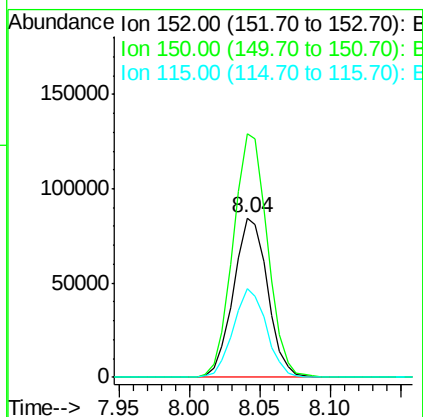
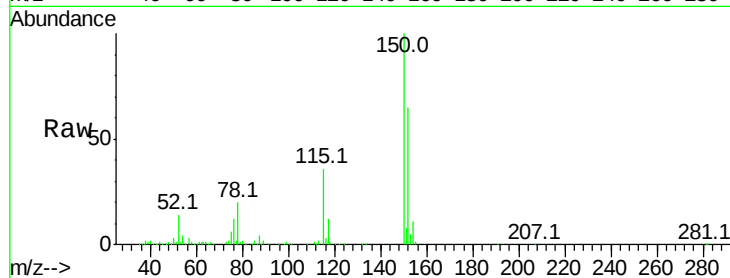


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.01 min  
Lab File: BG026389.D  
Acq: 22 Mar 2017 23:54

Instrument :  
BNA\_G  
ClientSampleId :

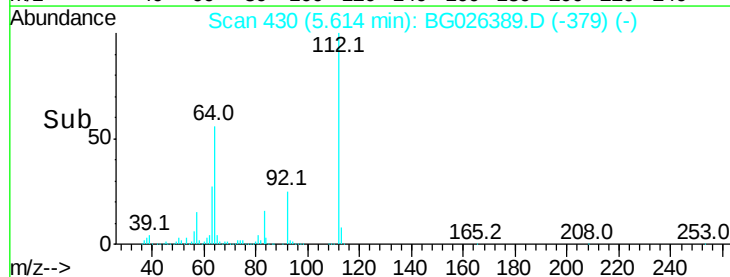
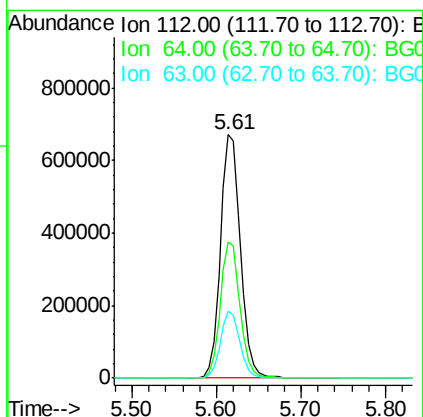
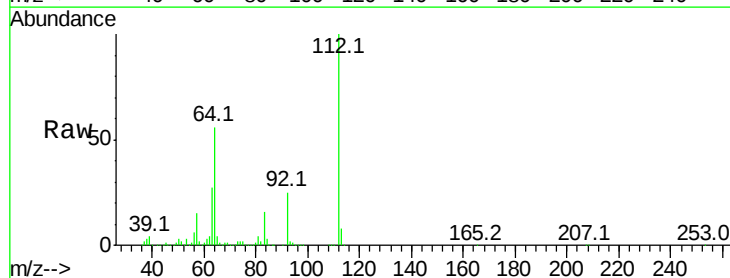
Tot Ion:152 Resp: 142440  
Ion Ratio Lower Upper  
152 100  
150 152.8 114.0 171.0  
115 55.7 48.1 72.1

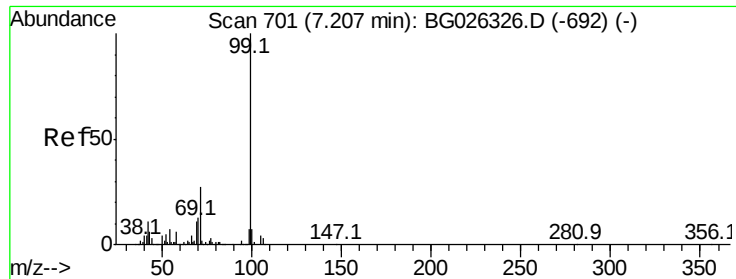


#5

2-Fluorophenol  
Concen: 137.56 ng  
RT: 5.61 min Scan# 430  
Delta R.T. -0.00 min  
Lab File: BG026389.D  
Acq: 22 Mar 2017 23:54

Tgt Ion:112 Resp: 1103926  
Ion Ratio Lower Upper  
112 100  
64 55.8 61.8 92.6#  
63 27.3 37.2 55.8#





#7

Phenol-d6

Concen: 90.11 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG026389.D

Acq: 22 Mar 2017 23:54

Instrument :

BNA\_G

ClientSampleId :

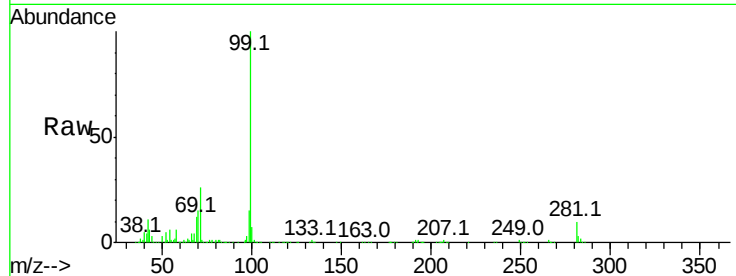
Tot Ion: 99 Resp: 970897

Ion Ratio Lower Upper

99 100

42 10.9 20.5 30.7#

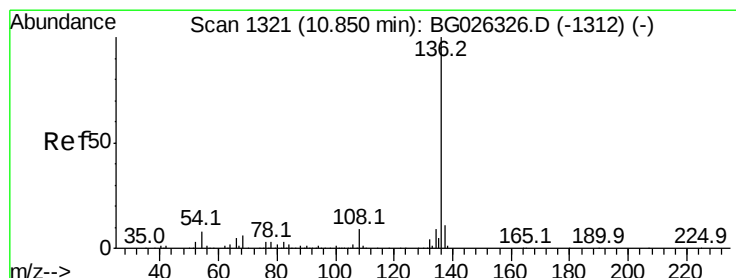
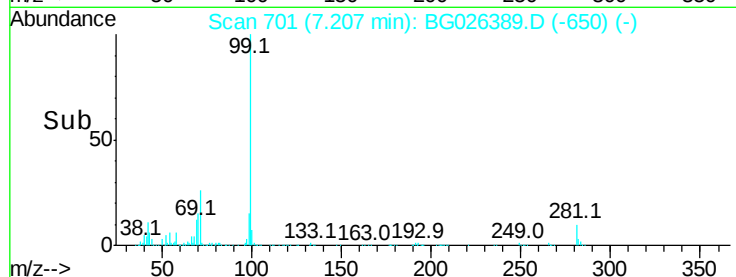
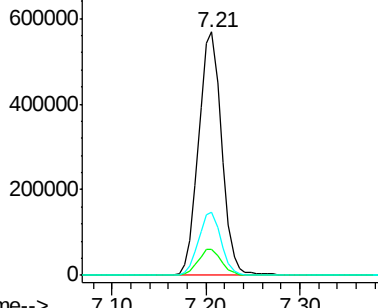
71 26.0 37.6 56.4#



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: 10.84 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BG026389.D

Acq: 22 Mar 2017 23:54

Tgt Ion: 136 Resp: 572890

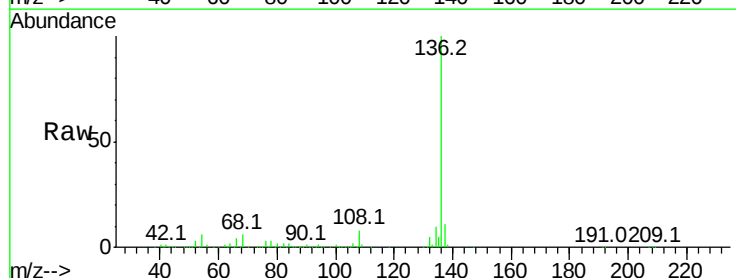
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.3 9.3 13.9#

68 5.9 5.1 7.7

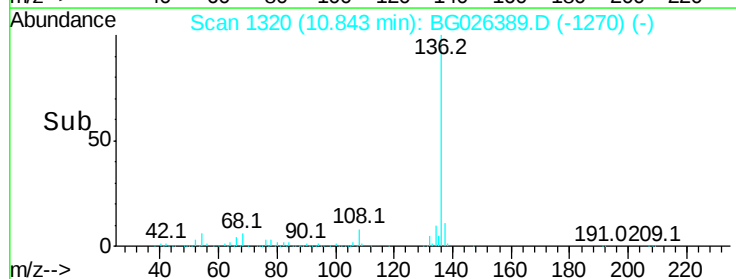
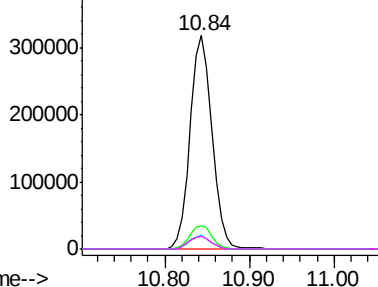


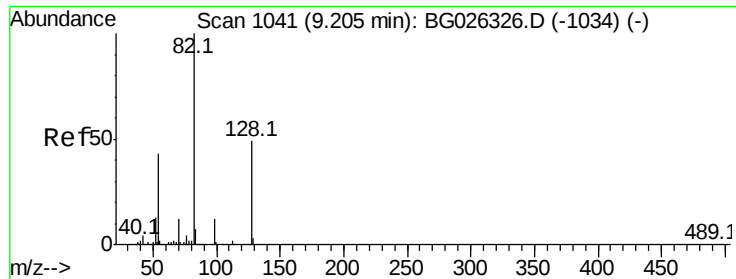
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

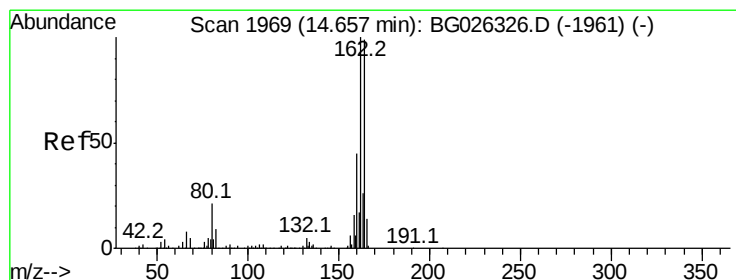
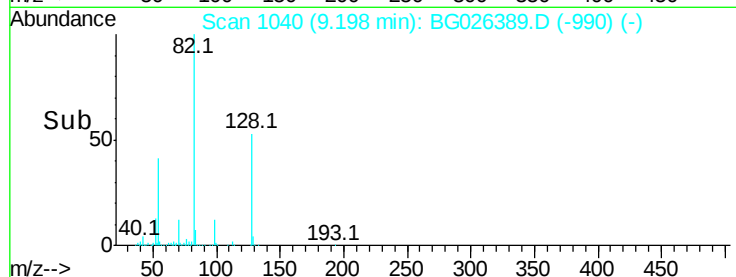
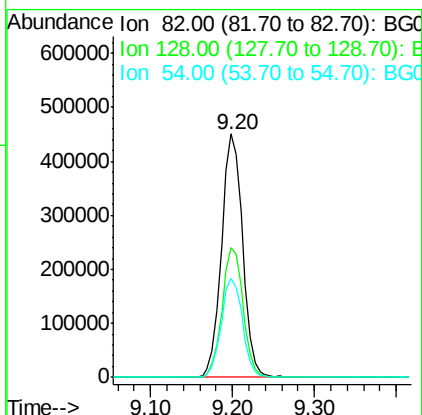
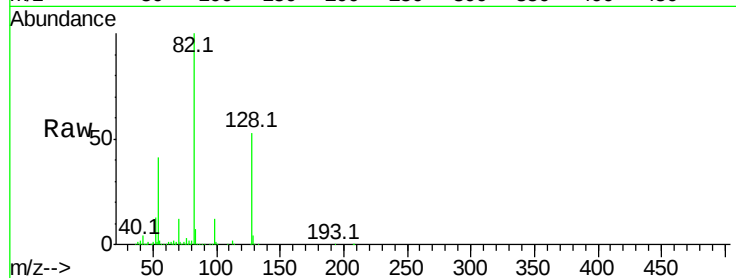




#23  
 Nitrobenzene-d5  
 Concen: 85.24 ng  
 RT: 9.20 min Scan# 1040  
 Delta R.T. -0.01 min  
 Lab File: BG026389.D  
 Acq: 22 Mar 2017 23:54

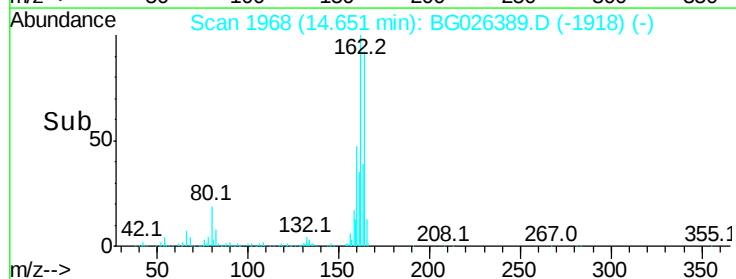
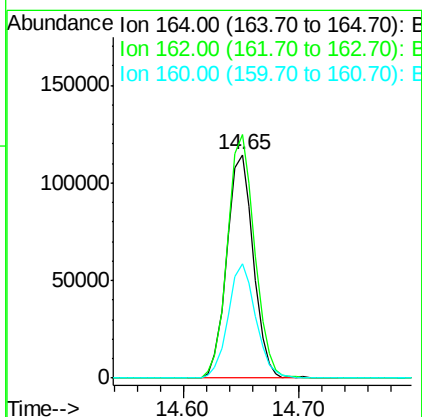
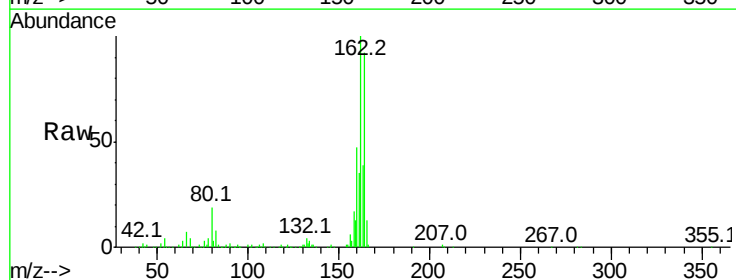
Instrument :  
 BNA\_G  
 ClientSampled :

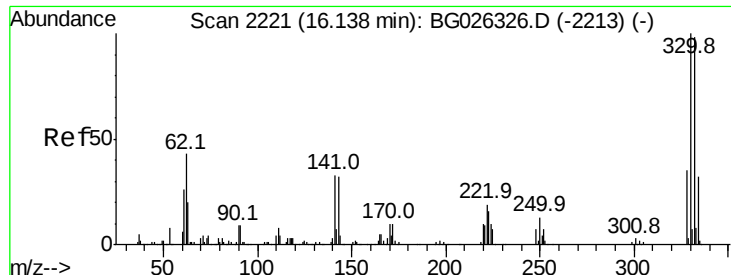
| Tot Ion | 82    | Resp  | 812190 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 53.1  | 26.4  | 39.6#  |
| 54      | 40.8  | 49.4  | 74.2#  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.65 min Scan# 1968  
 Delta R.T. -0.01 min  
 Lab File: BG026389.D  
 Acq: 22 Mar 2017 23:54

| Tgt Ion | 164   | Resp  | 181987 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 164     | 100   |       |        |
| 162     | 108.9 | 85.1  | 127.7  |
| 160     | 51.0  | 34.7  | 52.1   |

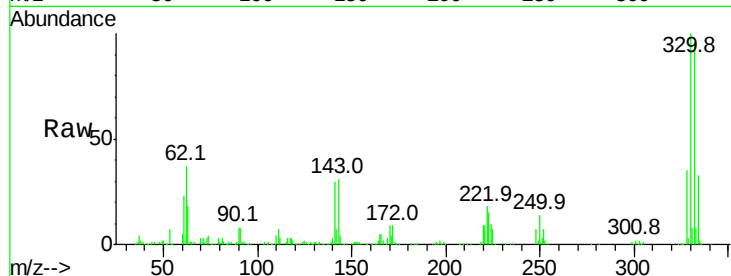




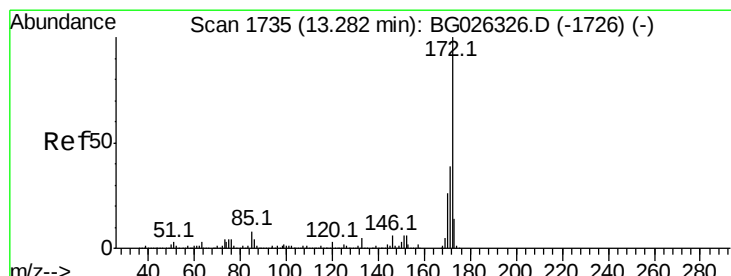
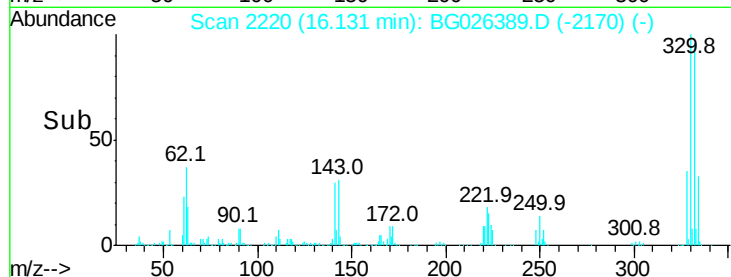
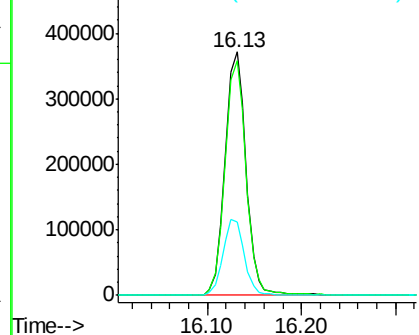
#41  
 2,4,6-Tribromophenol  
 Concen: 280.54 ng  
 RT: 16.13 min Scan# 2220  
 Delta R.T. -0.01 min  
 Lab File: BG026389.D  
 Acq: 22 Mar 2017 23:54

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 77.3  | 115.9 |
| 141     | 31.7  | 32.1  | 48.1# |

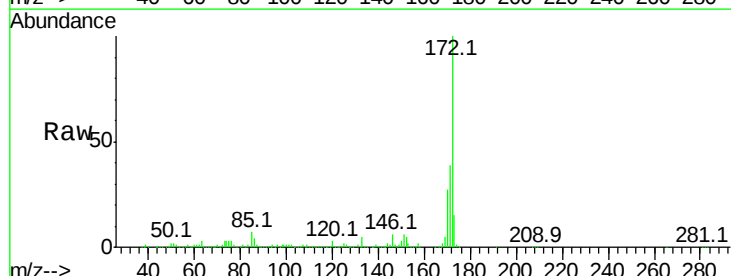


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

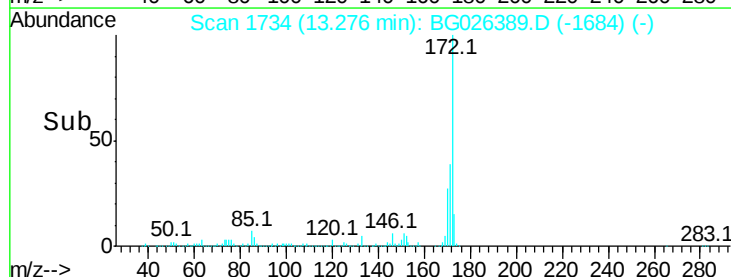
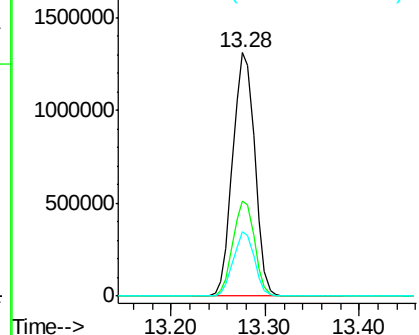


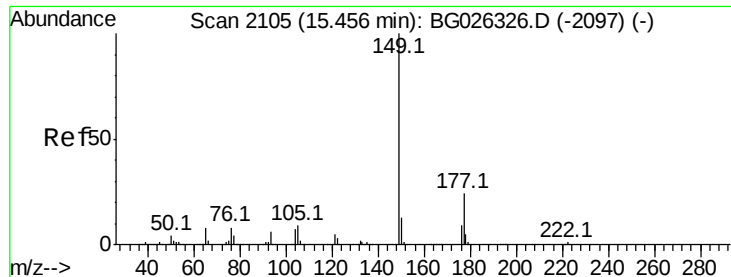
#44  
 2-Fluorobiphenyl  
 Concen: 165.05 ng  
 RT: 13.28 min Scan# 1734  
 Delta R.T. -0.01 min  
 Lab File: BG026389.D  
 Acq: 22 Mar 2017 23:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.9  | 32.2  | 48.2  |
| 170     | 26.5  | 21.8  | 32.6  |



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

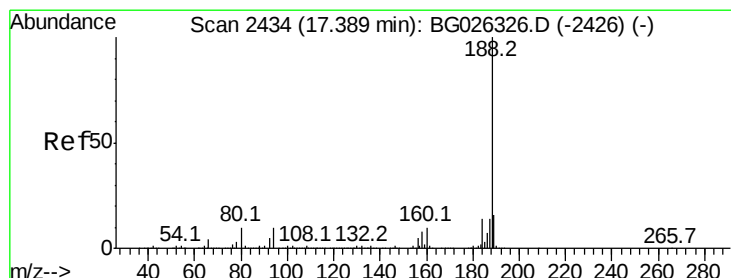
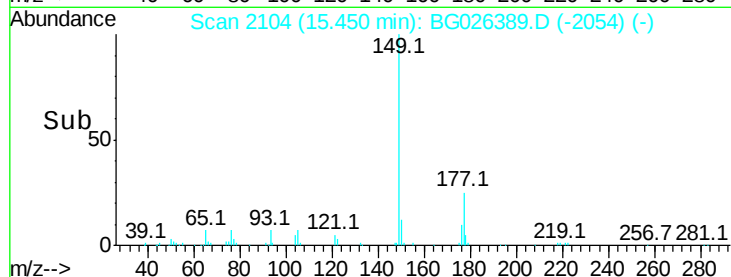
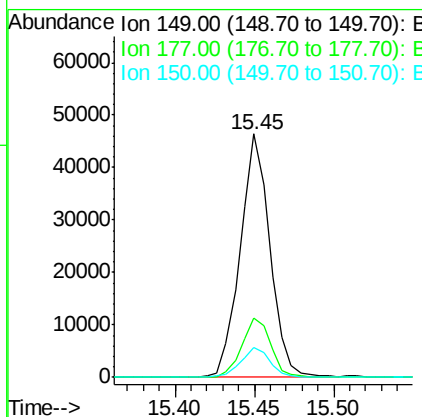
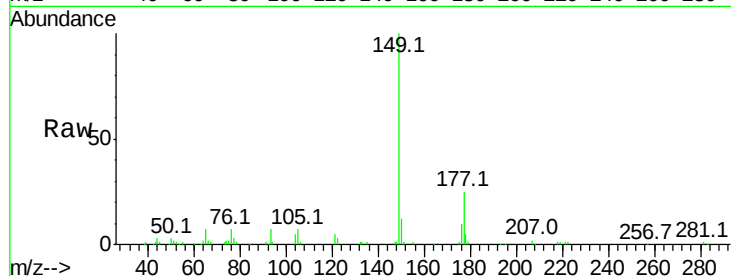




#59  
Diethylphthalate  
Concen: 4.30 ng  
RT: 15.45 min Scan# 2104  
Delta R.T. -0.01 min  
Lab File: BG026389.D  
Acq: 22 Mar 2017 23:54

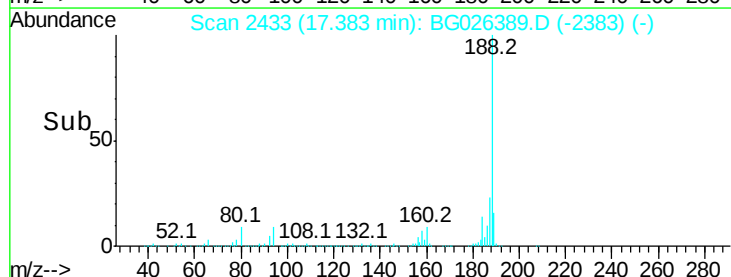
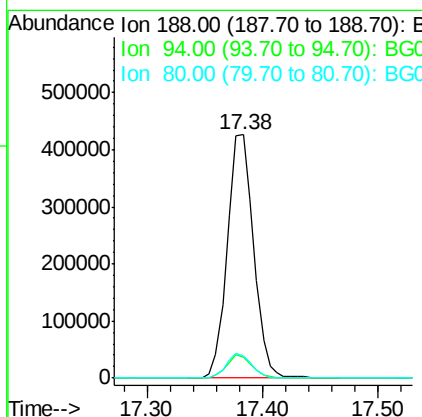
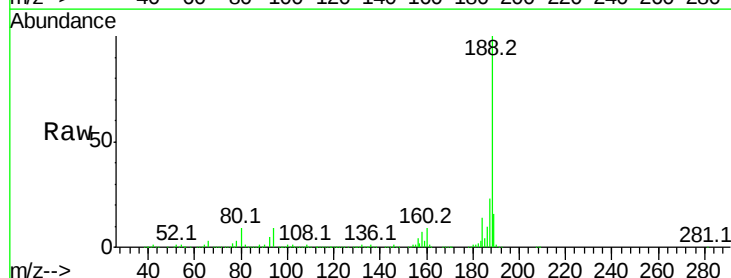
Instrument :  
BNA\_G  
ClientSampleId :

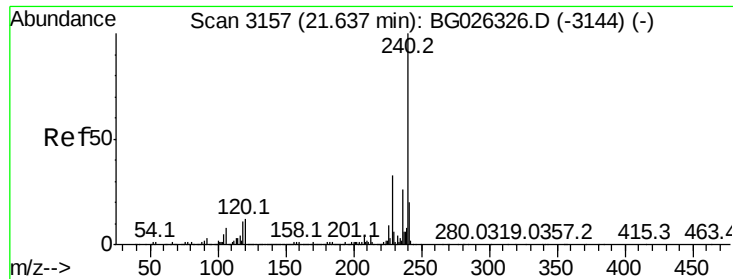
Tot Ion:149 Resp: 60362  
Ion Ratio Lower Upper  
149 100  
177 24.6 20.1 30.1  
150 12.0 10.2 15.2



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.38 min Scan# 2433  
Delta R.T. -0.01 min  
Lab File: BG026389.D  
Acq: 22 Mar 2017 23:54

Tgt Ion:188 Resp: 674055  
Ion Ratio Lower Upper  
188 100  
94 8.6 5.8 8.8  
80 9.2 7.5 11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG026389.D

Acq: 22 Mar 2017 23:54

Instrument :

BNA\_G

ClientSampleId :

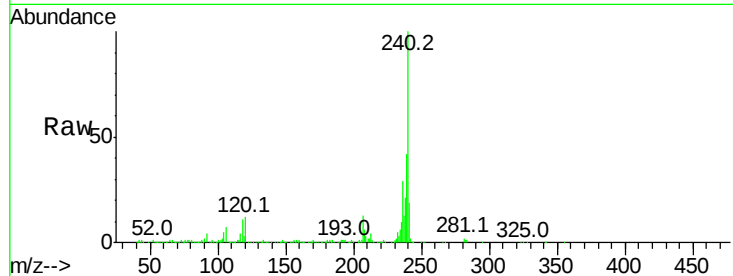
Tot Ion:240 Resp: 290402

Ion Ratio Lower Upper

240 100

120 11.6 5.7 8.5#

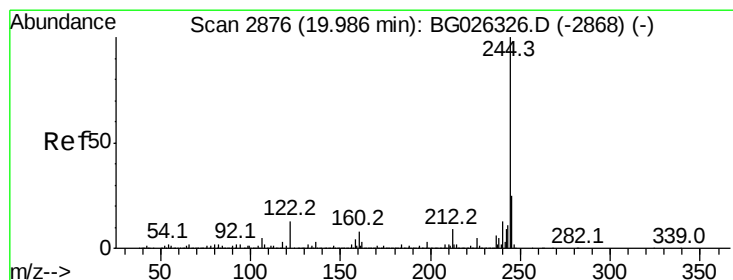
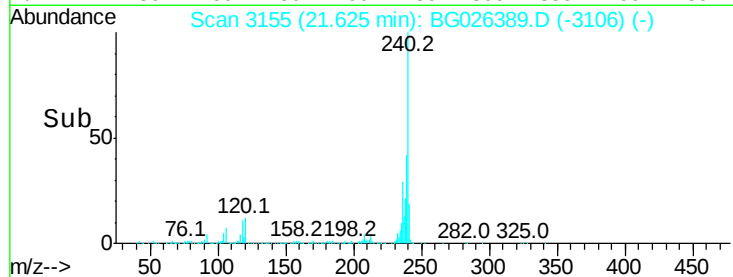
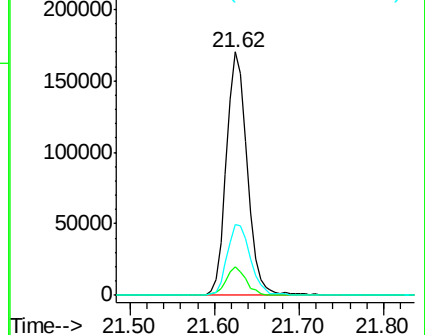
236 28.9 22.2 33.4



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: 219.78 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BG026389.D

Acq: 22 Mar 2017 23:54

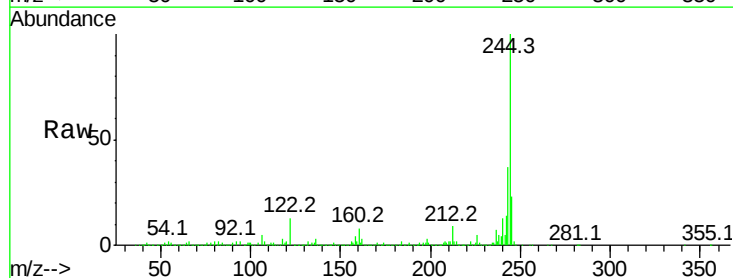
Tgt Ion:244 Resp: 2628104

Ion Ratio Lower Upper

244 100

212 8.9 10.0 15.0#

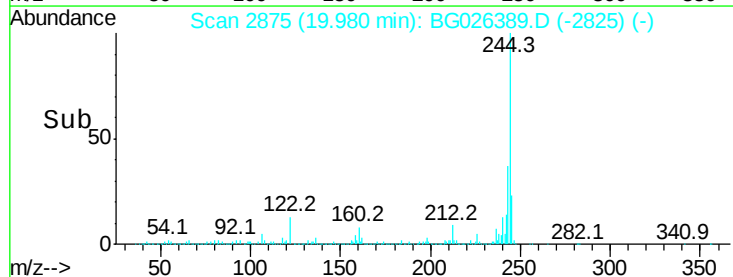
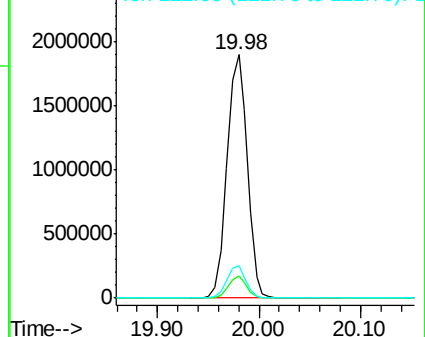
122 13.1 8.6 12.8#

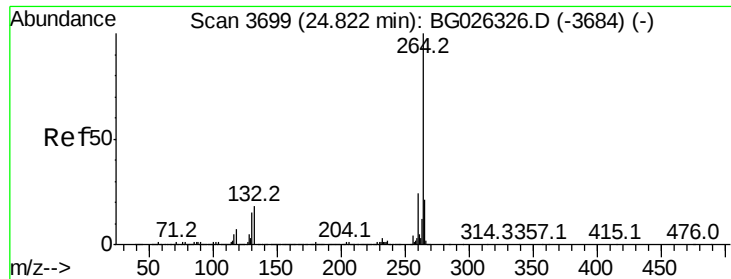


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



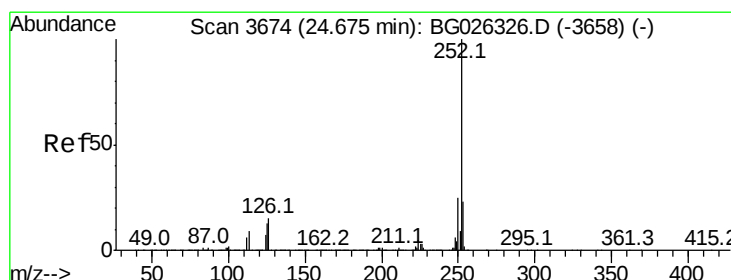
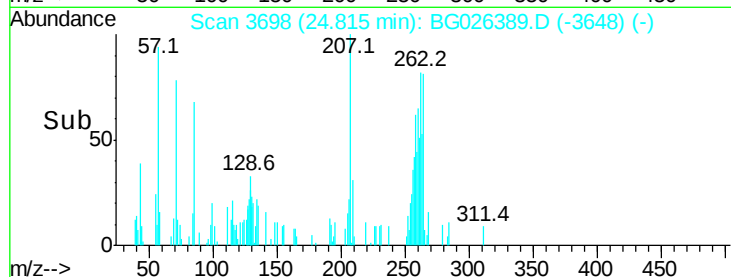
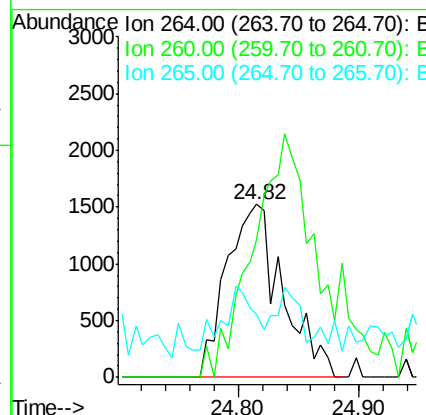
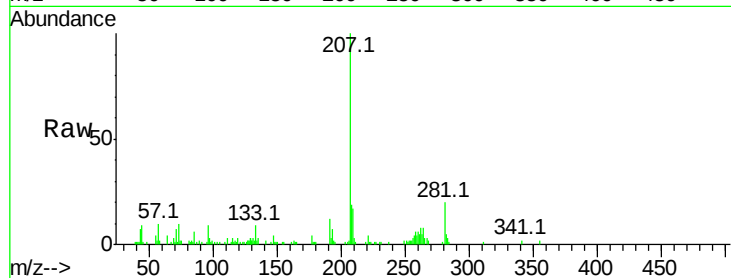


#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 24.82 min Scan# 3698  
Delta R.T. -0.01 min  
Lab File: BG026389.D  
Acq: 22 Mar 2017 23:54

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:264 Resp: 4895  

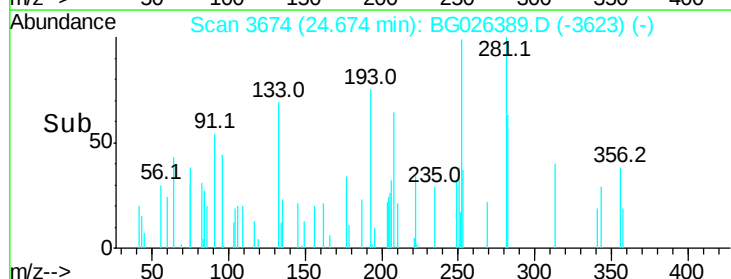
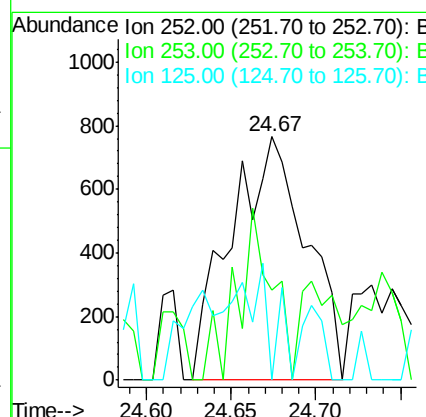
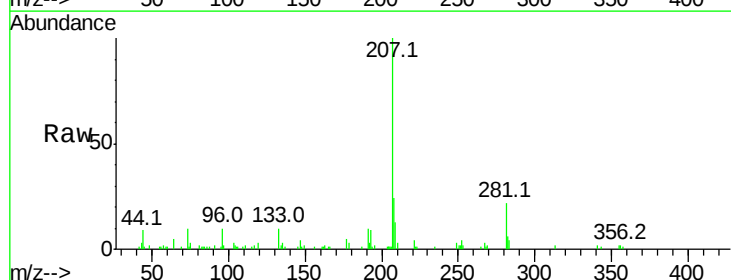
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 79.5  | 21.8  | 32.8# |
| 265 | 36.3  | 18.2  | 27.4# |

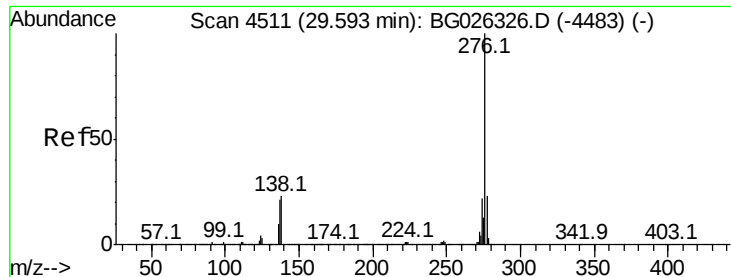


#89  
Benzo(a)pyrene  
Concen: 8.62 ng  
RT: 24.67 min Scan# 3674  
Delta R.T. -0.00 min  
Lab File: BG026389.D  
Acq: 22 Mar 2017 23:54

Tgt Ion:252 Resp: 2386  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 36.8  | 19.2  | 28.8# |
| 125 | 0.0   | 5.4   | 8.0#  |





#91

Benzo(a,h,i)perylene

Concen: 5.88 ng

RT: 29.59 min Scan# 4511

Delta R.T. -0.00 min

Lab File: BG026389.D

Acq: 22 Mar 2017 23:54

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:276 Resp: 1657

Ion Ratio Lower Upper

276 100

277 22.6 18.6 27.8

138 0.0 8.1 12.1#

