

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062316\  
 Data File : BG022511.D  
 Acq On : 23 Jun 2016 9:09  
 Operator : UM/SJ  
 Sample : H3623-09  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 23 13:30:26 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 22 01:27:56 2016  
 Response via : Initial Calibration

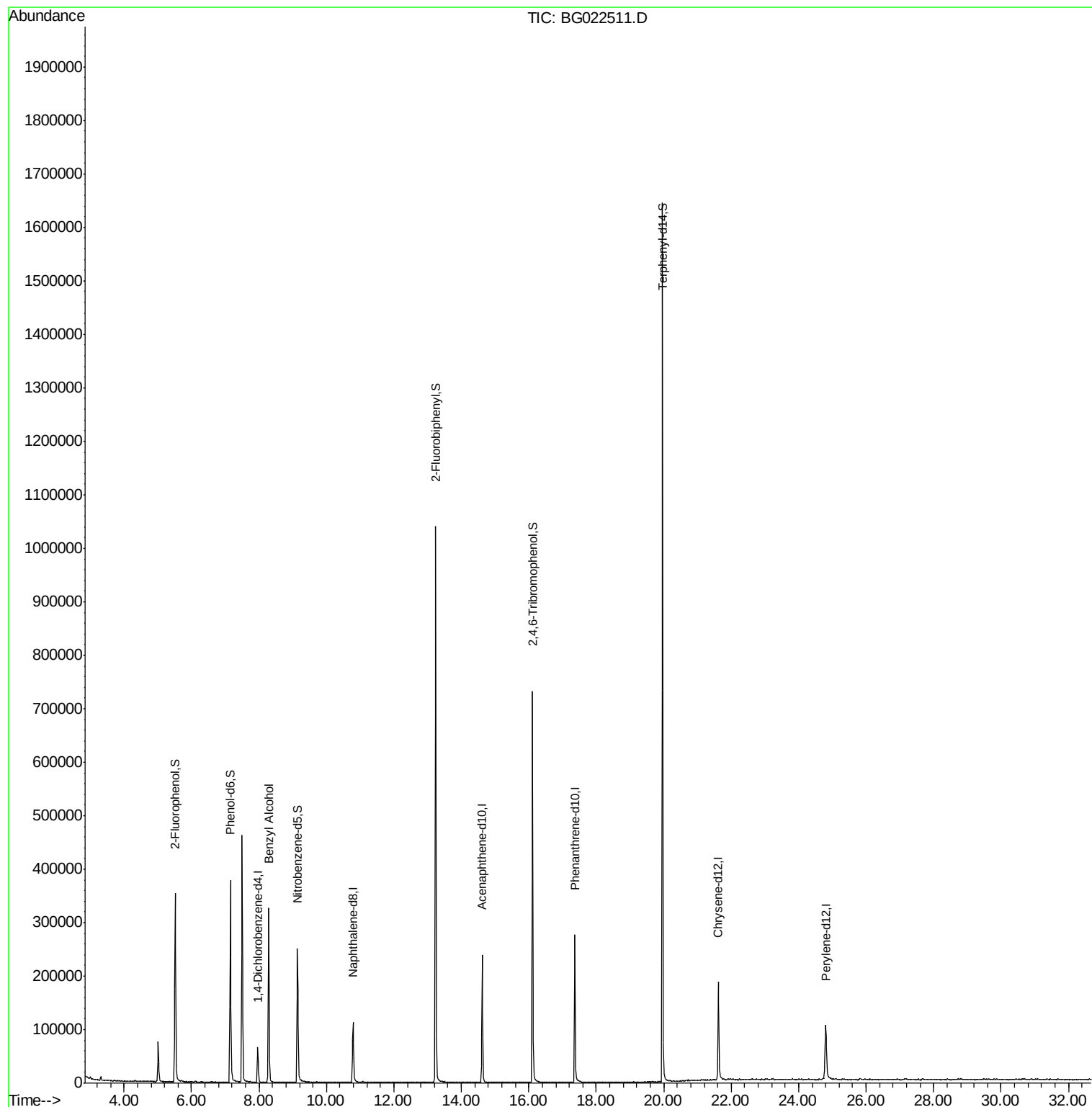
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.97  | 152  | 24861    | 20.00  | ng    | -0.02          |
| 21) Naphthalene-d8          | 10.79 | 136  | 135907   | 20.00  | ng    | -0.02          |
| 38) Acenaphthene-d10        | 14.62 | 164  | 91908    | 20.00  | ng    | -0.01          |
| 63) Phenanthrene-d10        | 17.36 | 188  | 199944   | 20.00  | ng    | -0.02          |
| 75) Chrysene-d12            | 21.62 | 240  | 125605   | 20.00  | ng    | -0.02          |
| 86) Perylene-d12            | 24.80 | 264  | 110872   | 20.00  | ng    | -0.04          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.51  | 112  | 240954   | 187.39 | ng    | -0.03          |
| 7) Phenol-d6                | 7.15  | 99   | 340315   | 168.33 | ng    | -0.03          |
| 23) Nitrobenzene-d5         | 9.14  | 82   | 211982   | 108.74 | ng    | -0.02          |
| 41) 2,4,6-Tribromophenol    | 16.11 | 330  | 137687   | 132.58 | ng    | -0.02          |
| 44) 2-Fluorobiphenyl        | 13.24 | 172  | 609665   | 101.09 | ng    | -0.01          |
| 78) Terphenyl-d14           | 19.97 | 244  | 720794   | 136.24 | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 15) Benzyl Alcohol          | 8.28  | 79   | 2801     | 2.14   | ng    | Qvalue<br># 47 |

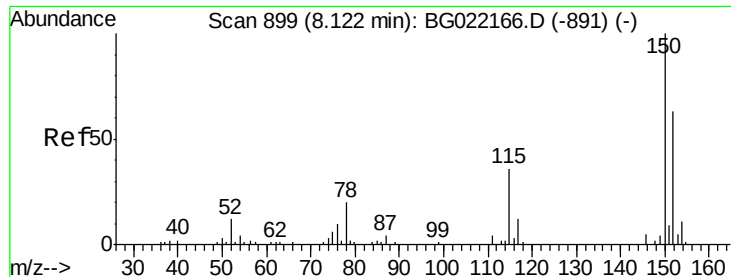
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
ClientSampleId :

Quant Time: Jun 23 13:30:26 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



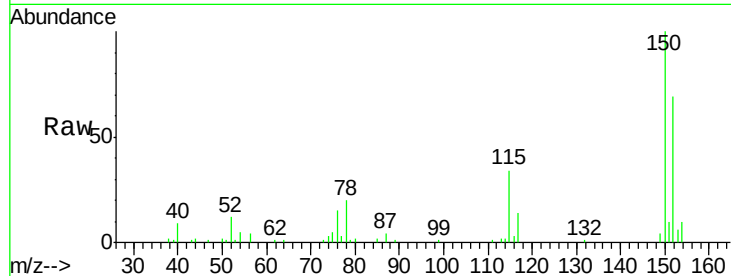


#1

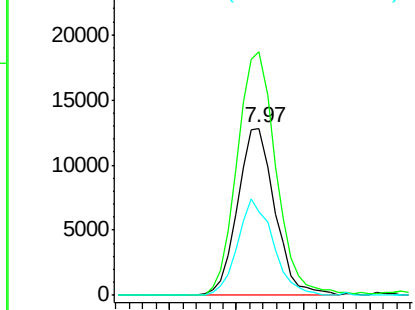
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.97 min Scan# 873  
Delta R.T. -0.02 min  
Lab File: BG022511.D  
Acq: 23 Jun 2016 9:09

Instrument :  
BNA\_G  
ClientSampled :

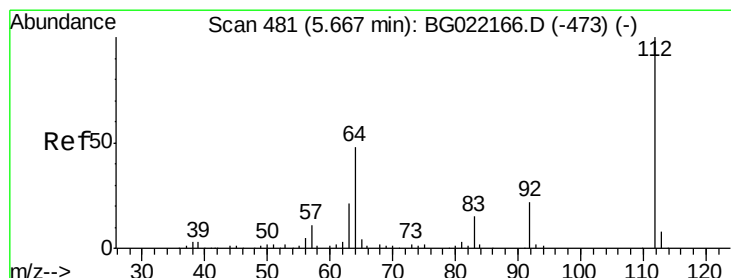
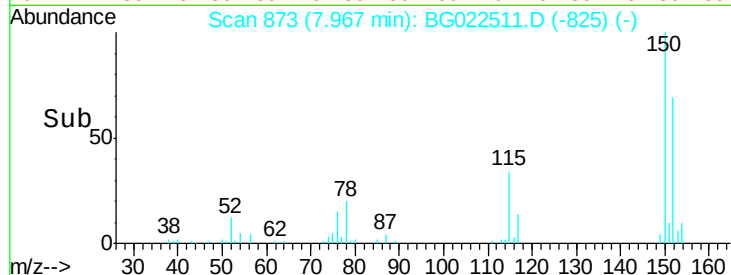
Tot Ion:152 Resp: 24861  
Ion Ratio Lower Upper  
152 100  
150 145.7 130.1 195.1  
115 49.9 62.2 93.2#



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



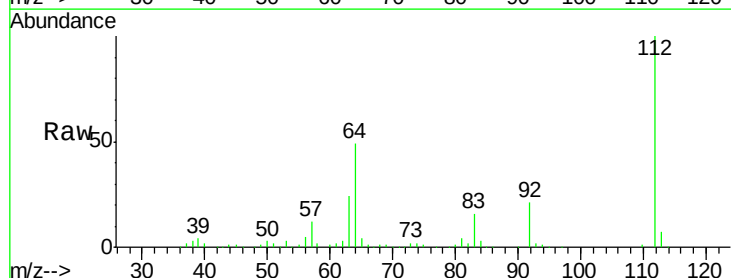
Time-->



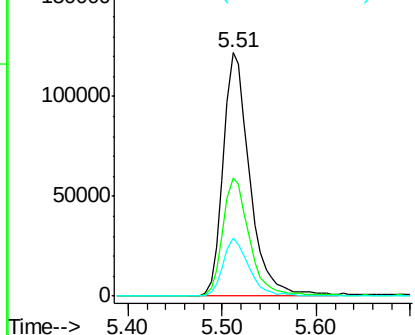
#5

2-Fluorophenol  
Concen: 187.39 ng  
RT: 5.51 min Scan# 455  
Delta R.T. -0.03 min  
Lab File: BG022511.D  
Acq: 23 Jun 2016 9:09

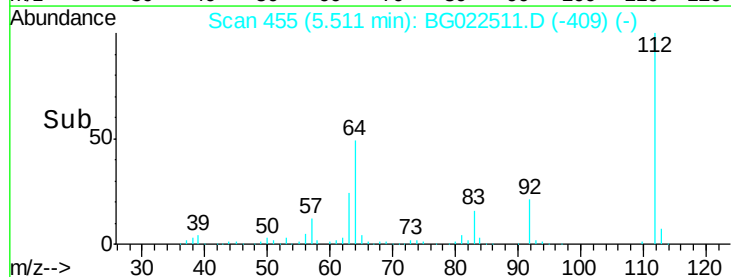
Tgt Ion:112 Resp: 240954  
Ion Ratio Lower Upper  
112 100  
64 48.8 51.1 76.7#  
63 23.7 24.6 37.0#

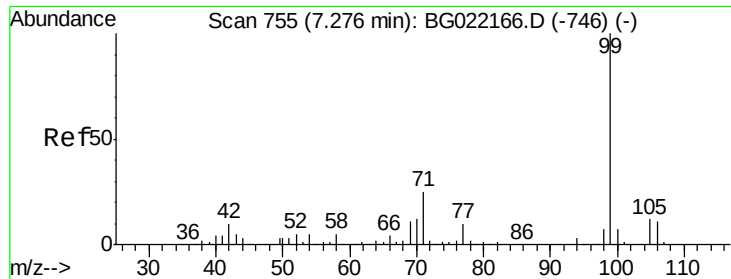


Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC



Time-->





#7

Phenol-d6

Concen: 168.33 ng

RT: 7.15 min Scan# 734

Delta R.T. -0.03 min

Lab File: BG022511.D

Acq: 23 Jun 2016 9:09

Instrument :

BNA\_G

ClientSampleId :

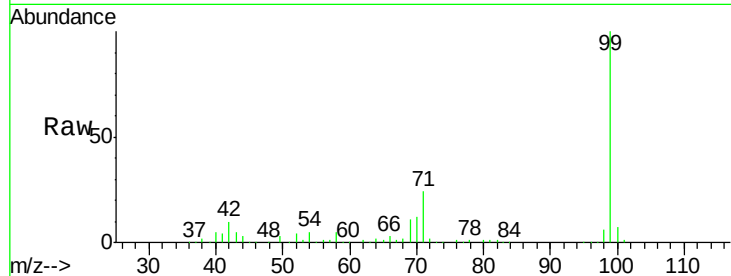
Tot Ion: 99 Resp: 340315

Ion Ratio Lower Upper

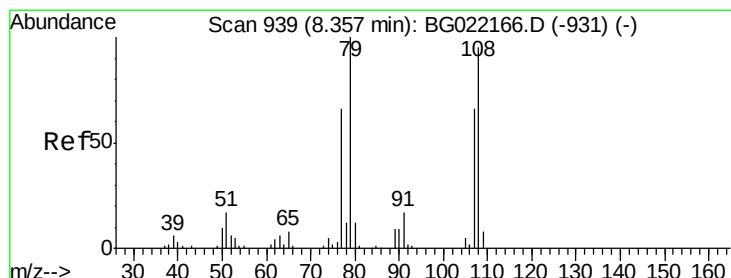
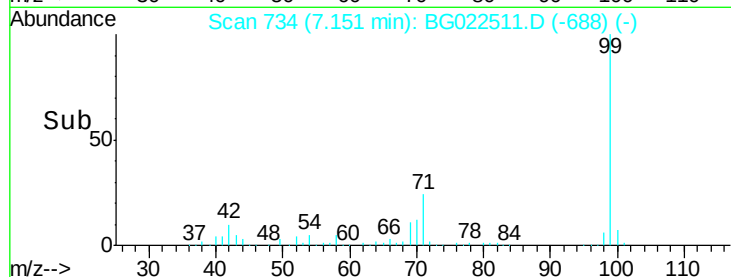
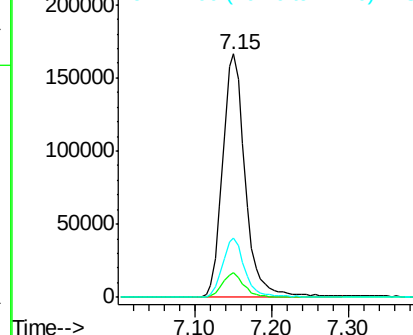
99 100

42 10.0 16.4 24.6#

71 24.3 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



#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 8.28 min Scan# 927

Delta R.T. 0.05 min

Lab File: BG022511.D

Acq: 23 Jun 2016 9:09

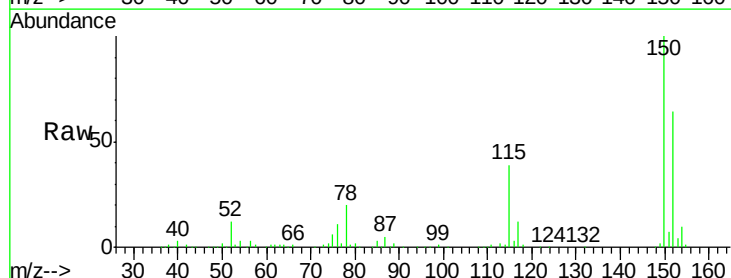
Tgt Ion: 79 Resp: 2801

Ion Ratio Lower Upper

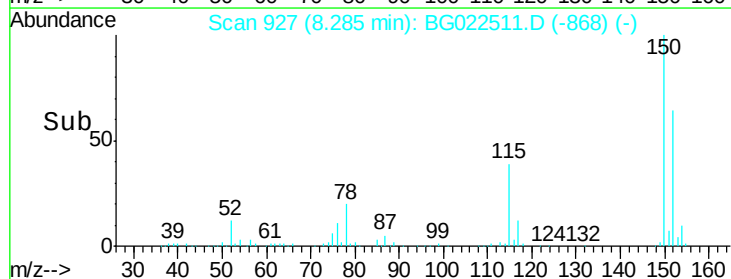
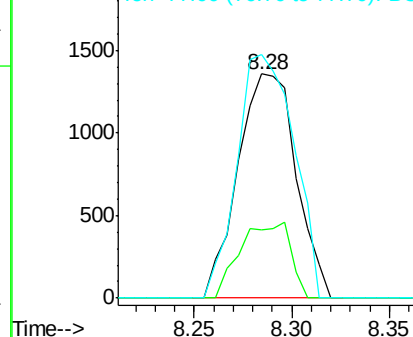
79 100

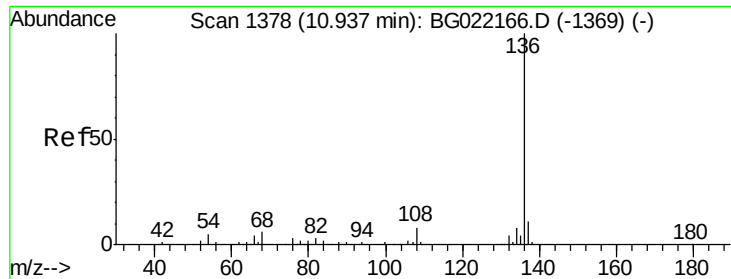
108 30.6 59.4 89.0#

77 108.6 52.2 78.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

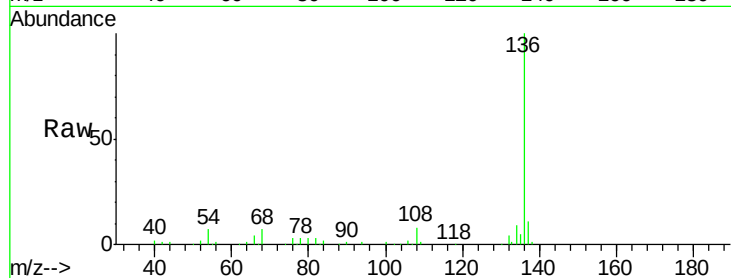




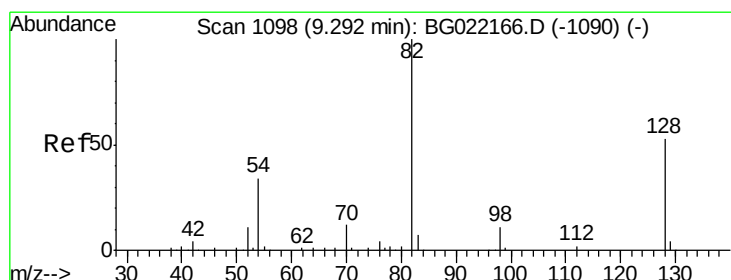
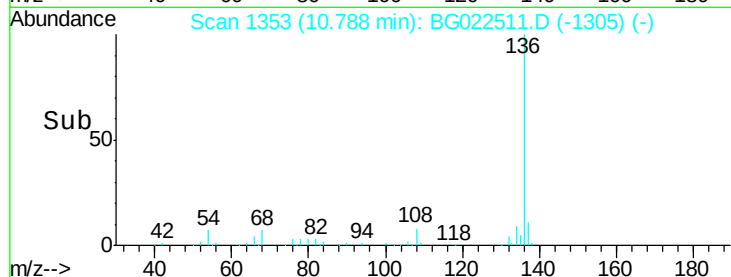
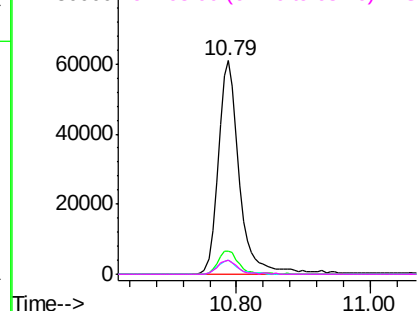
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.79 min Scan# 1353  
Delta R.T. -0.02 min  
Lab File: BG022511.D  
Acq: 23 Jun 2016 9:09

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:136 | Resp: | 135907    |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 10.8  | 9.0 13.4  |
| 54          | 6.7   | 9.6 14.4# |
| 68          | 6.8   | 6.4 9.6   |

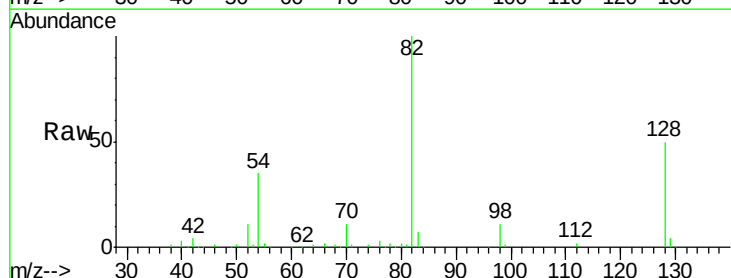


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

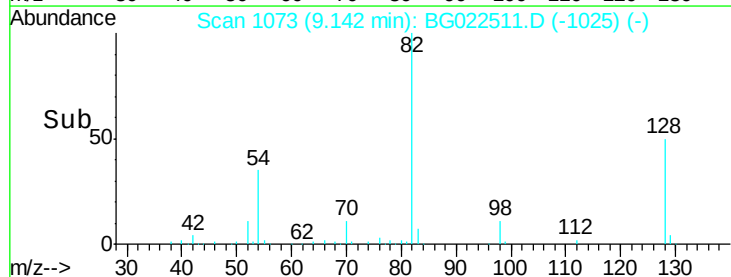
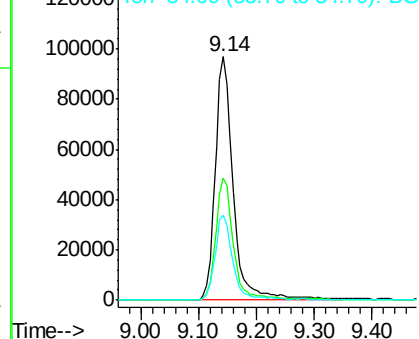


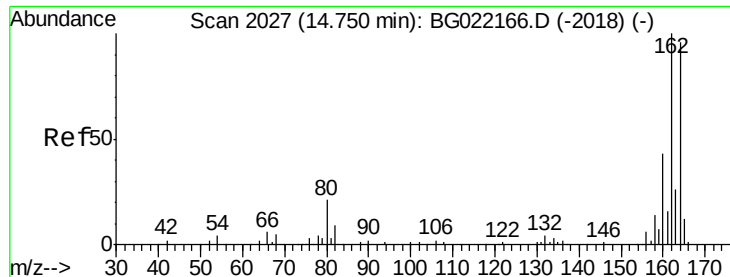
#23  
Nitrobenzene-d5  
Concen: 108.74 ng  
RT: 9.14 min Scan# 1073  
Delta R.T. -0.02 min  
Lab File: BG022511.D  
Acq: 23 Jun 2016 9:09

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 211982     |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 50.3  | 33.4 50.0# |
| 54          | 34.6  | 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: 14.62 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BG022511.D

Acq: 23 Jun 2016 9:09

Instrument :

BNA\_G

ClientSampleId :

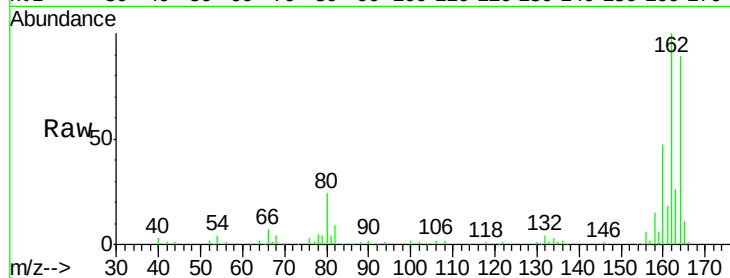
Tot Ion:164 Resp: 91908

Ion Ratio Lower Upper

164 100

162 112.2 78.0 117.0

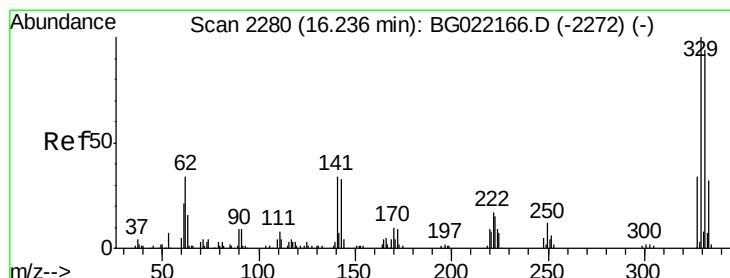
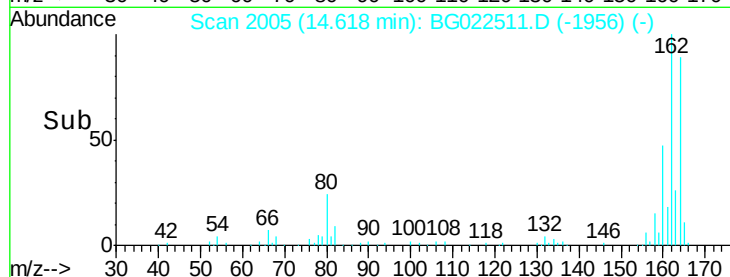
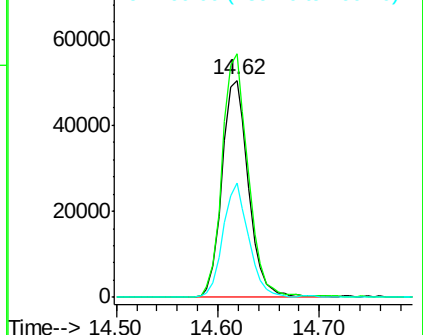
160 52.8 32.9 49.3#



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



#41

2,4,6-Tribromophenol

Concen: 132.58 ng

RT: 16.11 min Scan# 2259

Delta R.T. -0.02 min

Lab File: BG022511.D

Acq: 23 Jun 2016 9:09

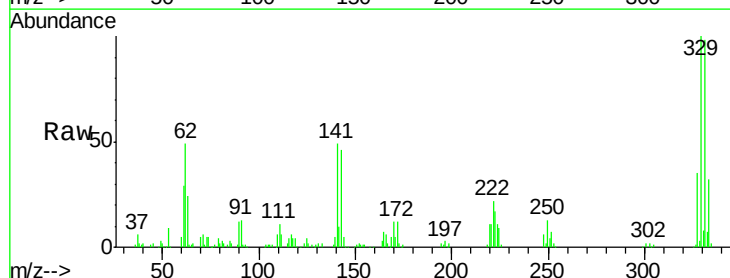
Tgt Ion:330 Resp: 137687

Ion Ratio Lower Upper

330 100

332 95.2 78.0 117.0

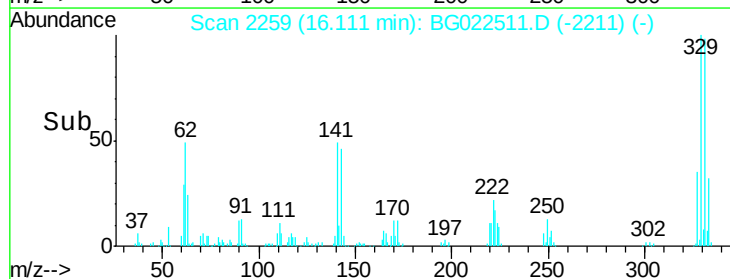
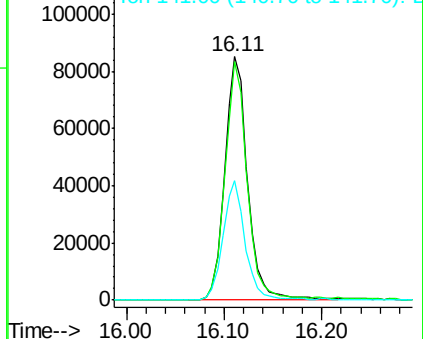
141 47.5 33.8 50.8

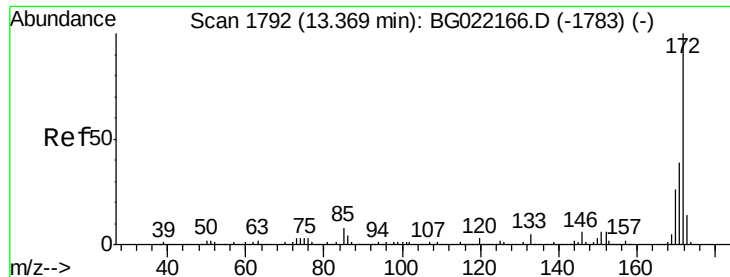


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

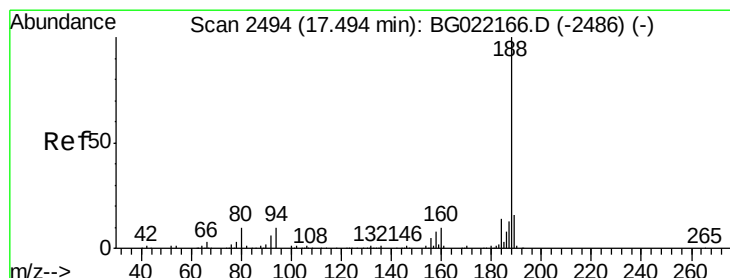
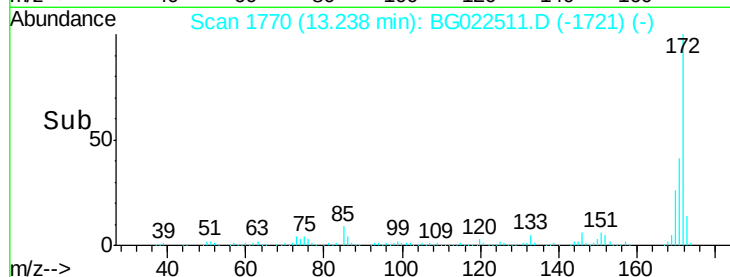
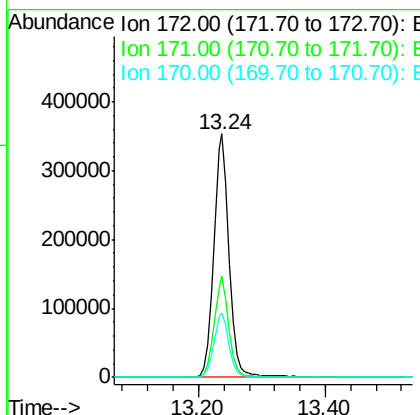
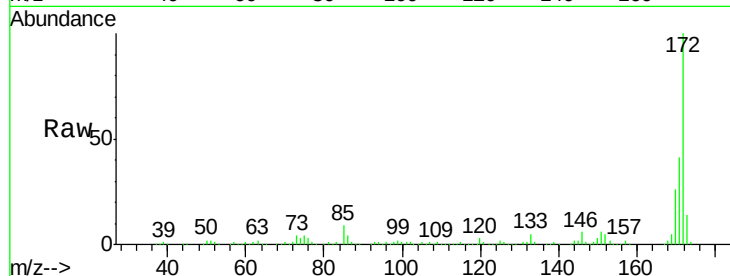




#44  
 2-Fluorobiphenyl  
 Concen: 101.09 ng  
 RT: 13.24 min Scan# 1770  
 Delta R.T. -0.01 min  
 Lab File: BG022511.D  
 Acq: 23 Jun 2016 9:09

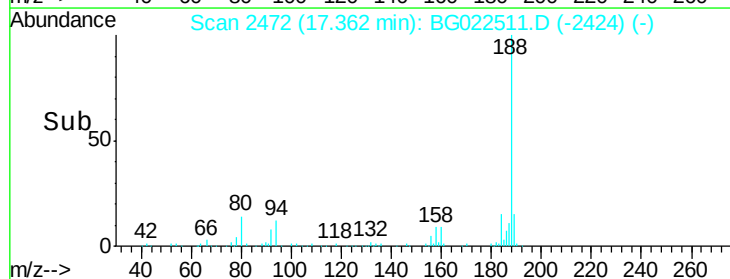
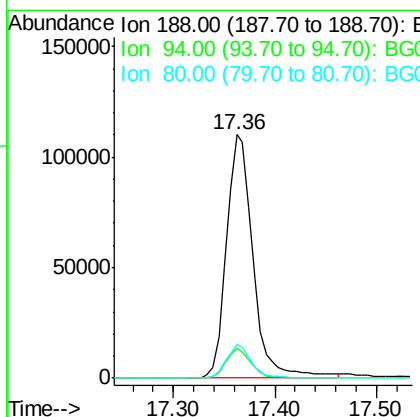
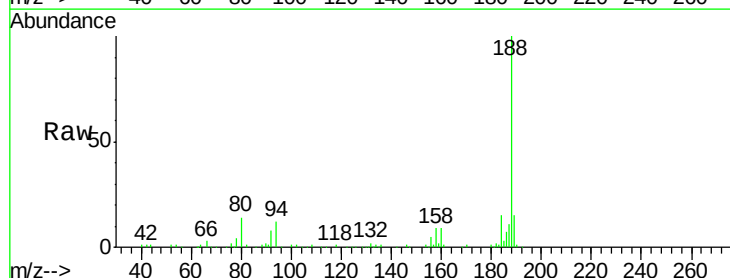
Instrument :  
 BNA\_G  
 ClientSampled :

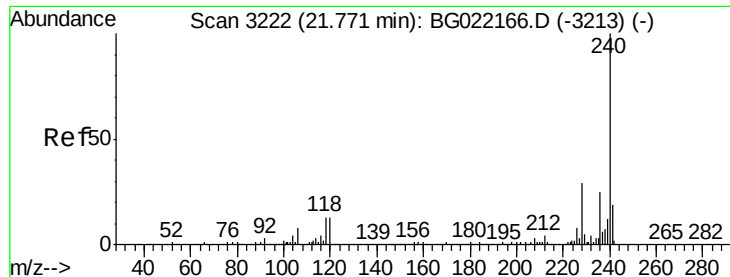
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 41.5  | 27.8  | 41.6  |
| 170     | 26.5  | 19.6  | 29.4  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.36 min Scan# 2472  
 Delta R.T. -0.02 min  
 Lab File: BG022511.D  
 Acq: 23 Jun 2016 9:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.0  | 7.5   | 11.3# |
| 80      | 13.6  | 8.6   | 13.0# |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.62 min Scan# 3197

Delta R.T. -0.02 min

Lab File: BG022511.D

Acq: 23 Jun 2016 9:09

Instrument :

BNA\_G

ClientSampleId :

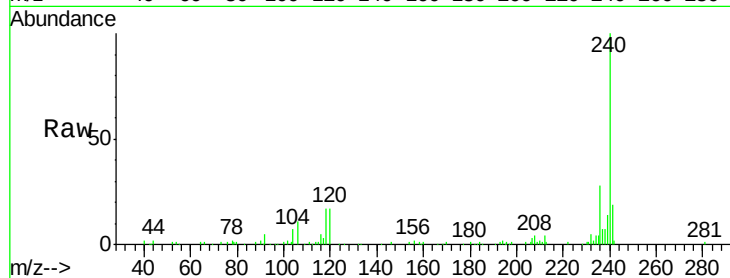
Tot Ion:240 Resp: 125605

Ion Ratio Lower Upper

240 100

120 17.3 8.4 12.6#

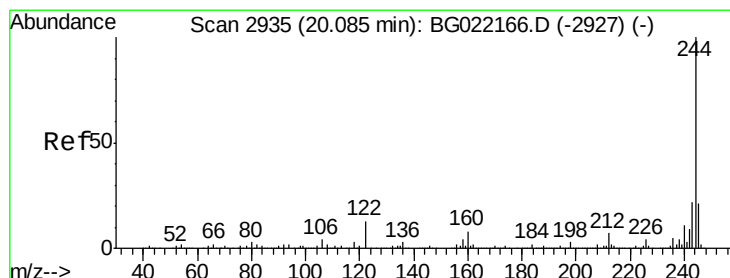
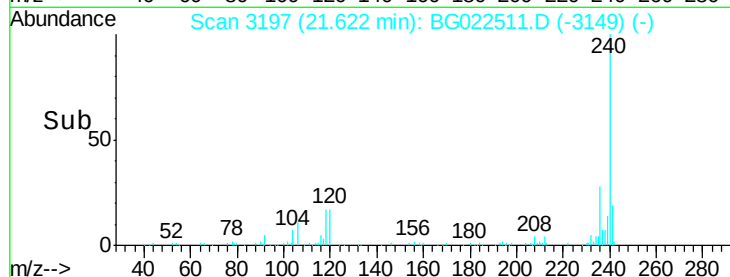
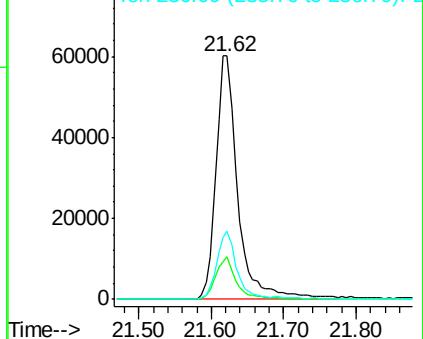
236 27.9 19.6 29.4



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: 136.24 ng

RT: 19.97 min Scan# 2915

Delta R.T. -0.01 min

Lab File: BG022511.D

Acq: 23 Jun 2016 9:09

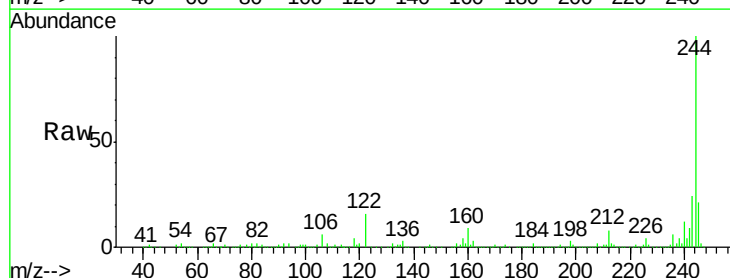
Tgt Ion:244 Resp: 720794

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

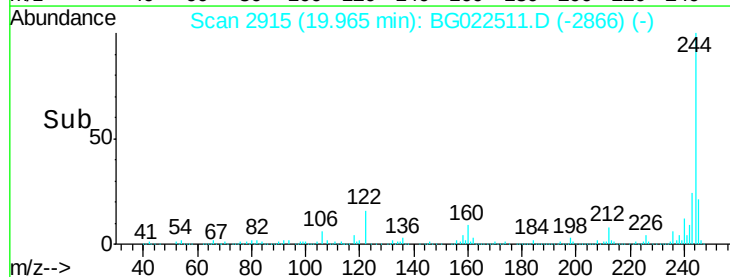
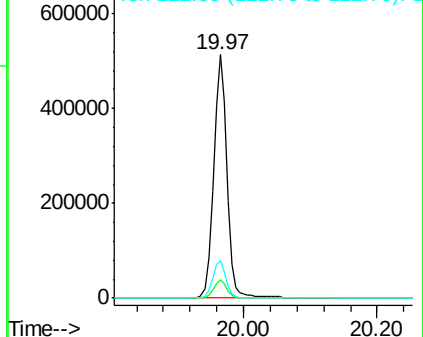
122 15.7 8.6 12.8#



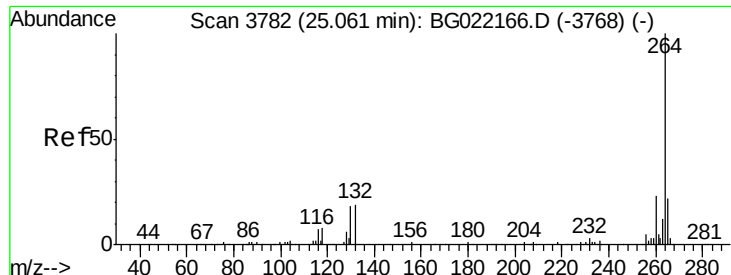
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



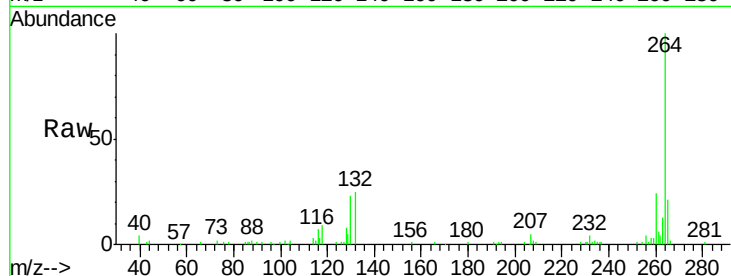




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 24.80 min Scan# 3738  
 Delta R.T. -0.04 min  
 Lab File: BG022511.D  
 Acq: 23 Jun 2016 9:09

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 20.2  | 30.4  |
| 265     | 21.0  | 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

