

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080216\  
 Data File : BG023411.D  
 Acq On : 3 Aug 2016 1:01  
 Operator : UM/SJ  
 Sample : H4288-07  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-65-14.0-15.0

Quant Time: Aug 03 02:30:12 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 19:22:14 2016  
 Response via : Initial Calibration

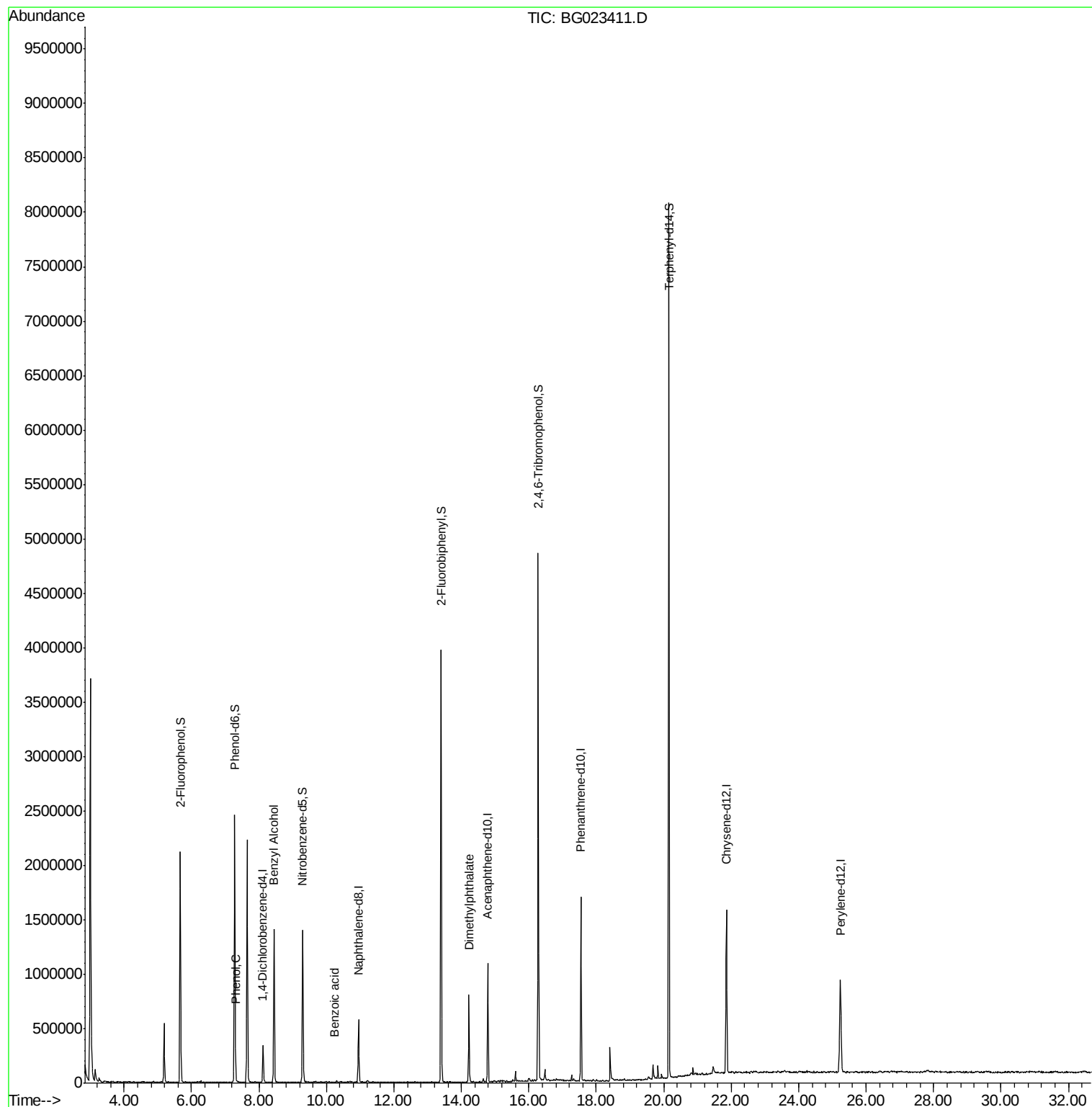
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 94950    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.95 | 136  | 467296   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.78 | 164  | 368865   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.54 | 188  | 1022459  | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12            | 21.86 | 240  | 935374   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12            | 25.23 | 264  | 938386   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 901044   | 159.74    | ng    | 0.00     |
| 7) Phenol-d6                | 7.28  | 99   | 1446497  | 164.64    | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 912591   | 97.09     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.28 | 330  | 916369   | 169.85    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.40 | 172  | 1975852  | 90.35     | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.15 | 244  | 3023109  | 105.83    | ng    | 0.00     |
| Target Compounds            |       |      |          |           |       |          |
| 9) Benzaldehyde             | 7.24  | 77   | 224      | Below Cal | #     | 8        |
| 10) Phenol                  | 7.31  | 94   | 25166    | 2.68 ng   | #     | 88       |
| 15) Benzyl Alcohol          | 8.44  | 79   | 13812    | 2.07 ng   | #     | 61       |
| 32) Benzoic acid            | 10.25 | 122  | 73       | 6.45 ng   | #     | 1        |
| 49) Dimethylphthalate       | 14.22 | 163  | 498691   | 17.62 ng  |       | 99       |
| 73) Di-n-butylphthalate     | 18.49 | 149  | 2326     | Below Cal | #     | 73       |
| 74) Fluoranthene            | 19.60 | 202  | 2648     | Below Cal |       | 90       |
| 77) Pyrene                  | 19.96 | 202  | 2461     | Below Cal | #     | 80       |

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

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080216\  
Data File : BG023411.D  
Acq On : 3 Aug 2016 1:01  
Operator : UM/SJ  
Sample : H4288-07  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-65-14.0-15.0

Quant Time: Aug 03 02:30:12 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG080116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 01 19:22:14 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG023411.D

Acq: 3 Aug 2016 1:01

Instrument :

BNA\_G

ClientSampleId :

SB-65-14.0-15.0

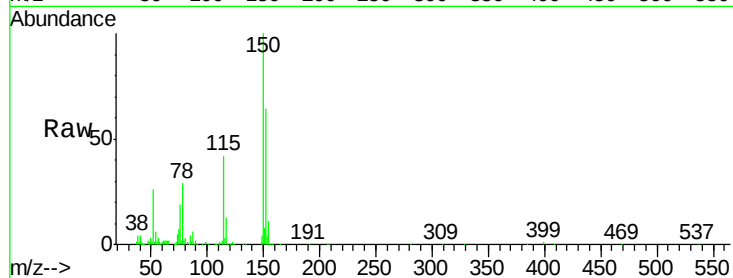
Tgt Ion:152 Resp: 94950

Ion Ratio Lower Upper

152 100

150 156.9 144.7 217.1

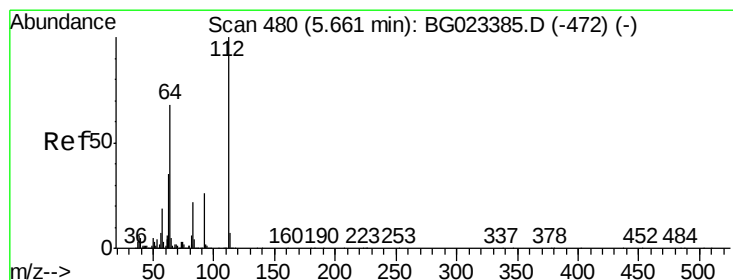
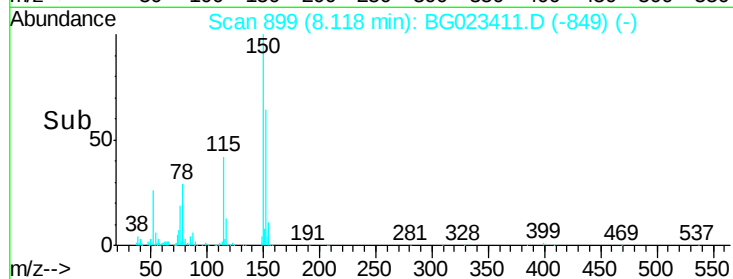
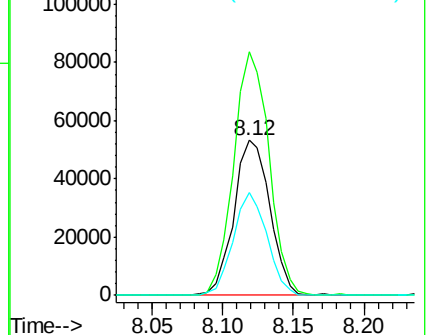
115 66.1 64.0 96.0



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: 159.74 ng

RT: 5.66 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG023411.D

Acq: 3 Aug 2016 1:01

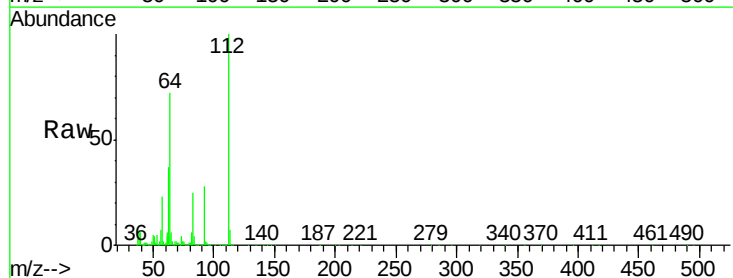
Tgt Ion:112 Resp: 901044

Ion Ratio Lower Upper

112 100

64 72.1 59.0 88.4

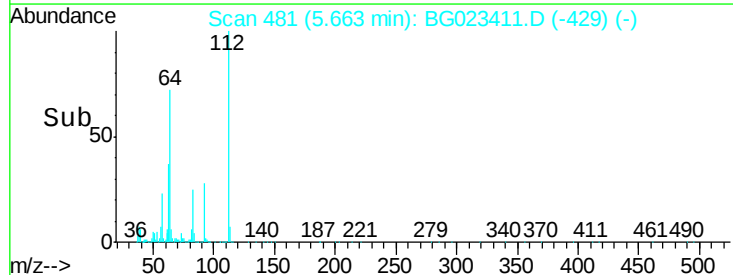
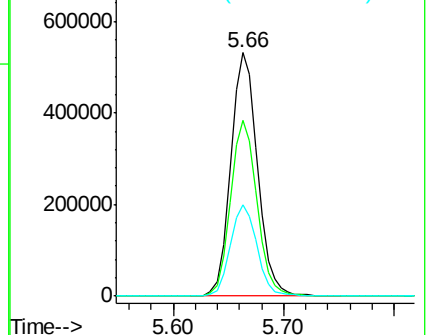
63 37.2 37.8 56.8#

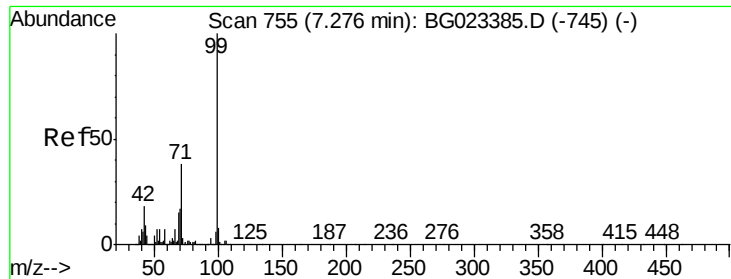


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 164.64 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG023411.D

Acq: 3 Aug 2016 1:01

Instrument :

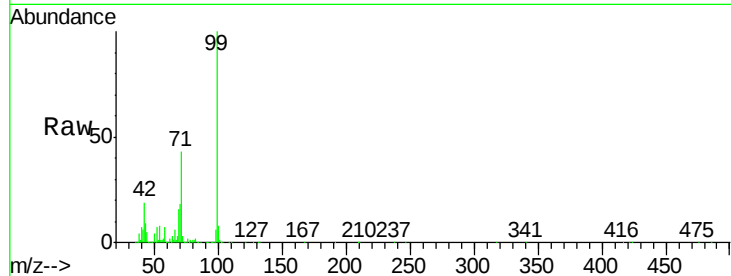
BNA\_G

ClientSampleId :

SB-65-14.0-15.0

Tgt Ion: 99 Resp: 1446497

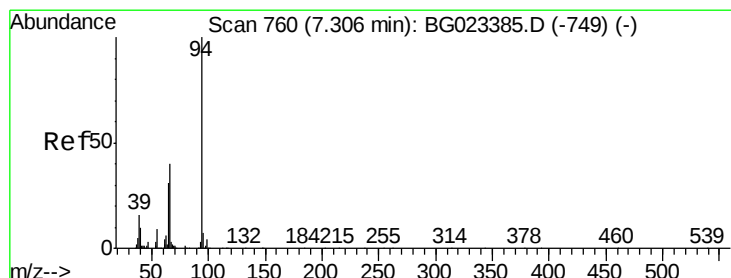
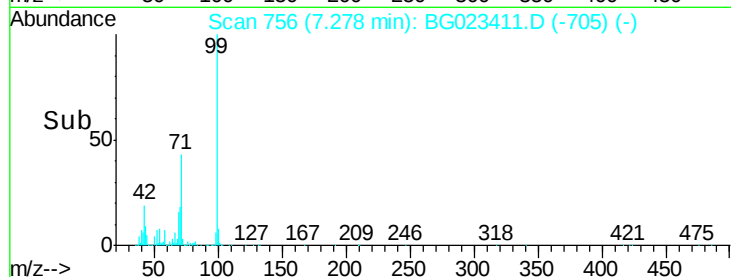
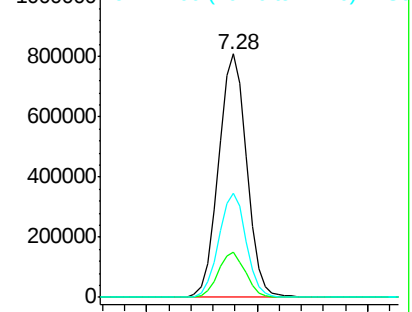
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.6  | 17.8  | 26.6  |
| 71  | 42.7  | 41.5  | 62.3  |



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: 2.68 ng

RT: 7.31 min Scan# 761

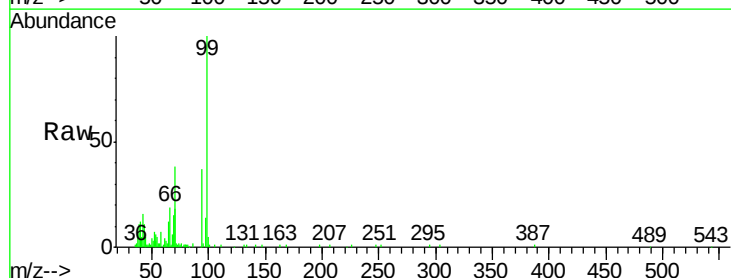
Delta R.T. 0.00 min

Lab File: BG023411.D

Acq: 3 Aug 2016 1:01

Tgt Ion: 94 Resp: 25166

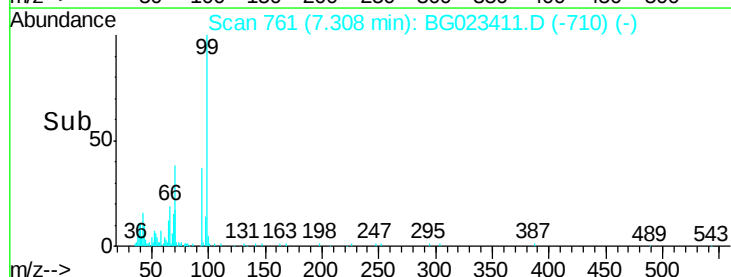
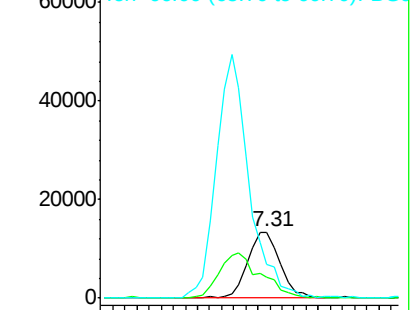
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 32.5  | 18.1  | 58.1  |
| 66  | 51.2  | 42.1  | 82.1  |

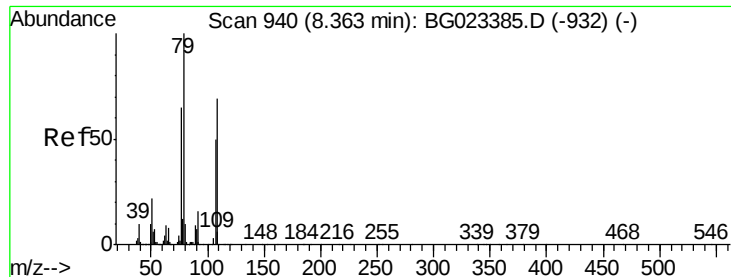


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 8.44 min Scan# 954

Delta R.T. 0.08 min

Lab File: BG023411.D

Acq: 3 Aug 2016 1:01

Instrument :

BNA\_G

ClientSampleId :

SB-65-14.0-15.0

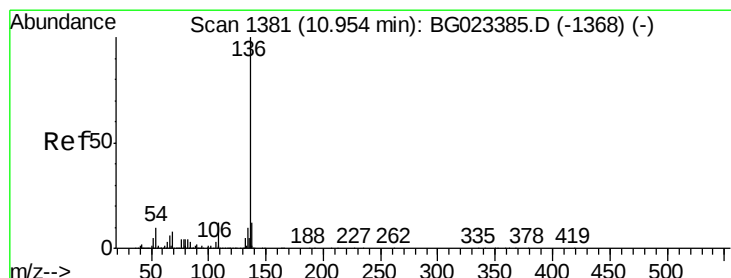
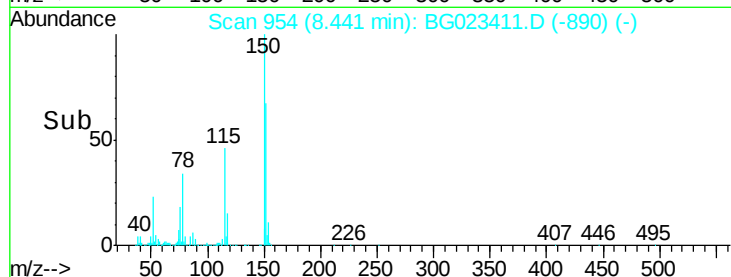
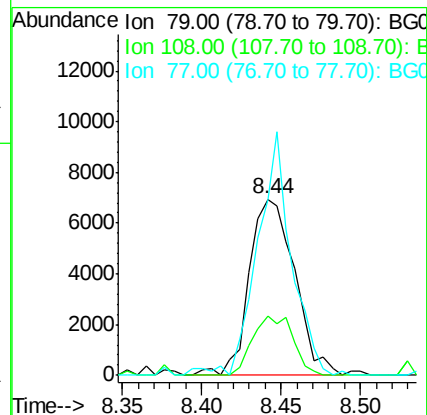
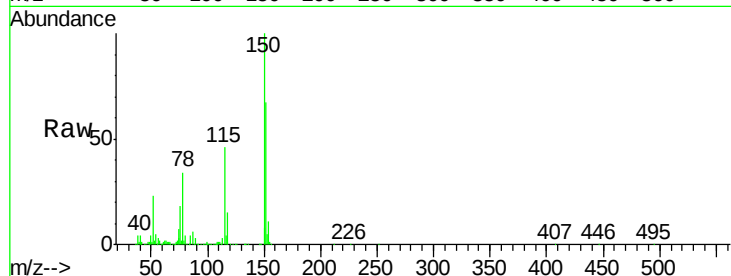
Tgt Ion: 79 Resp: 13812

Ion Ratio Lower Upper

79 100

108 33.3 46.5 69.7#

77 99.9 52.3 78.5#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.95 min Scan# 1381

Delta R.T. -0.00 min

Lab File: BG023411.D

Acq: 3 Aug 2016 1:01

Tgt Ion: 136 Resp: 467296

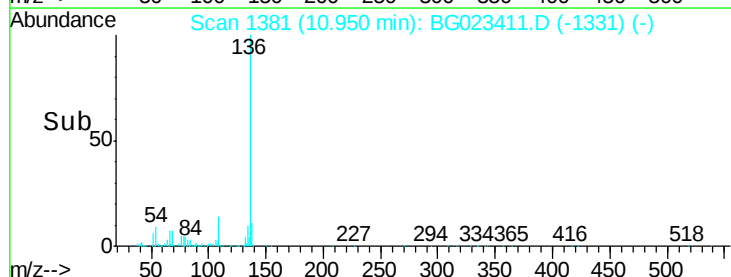
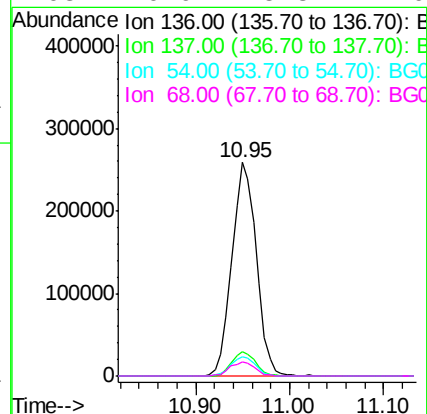
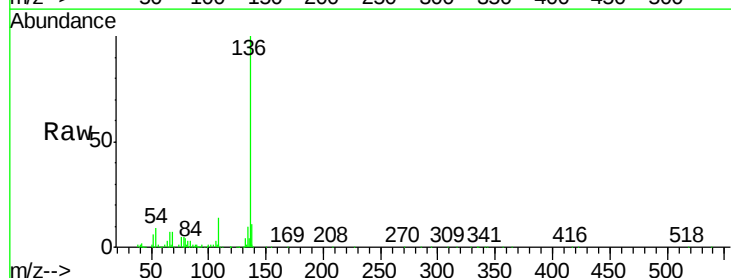
Ion Ratio Lower Upper

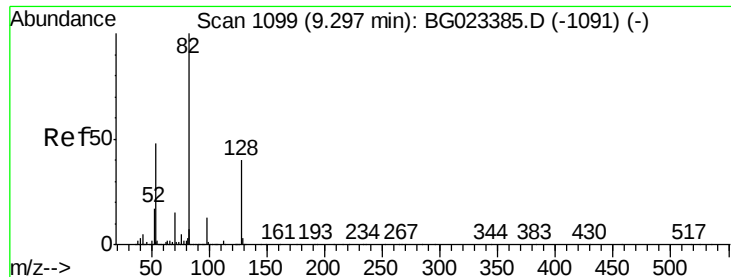
136 100

137 11.4 9.6 14.4

54 9.3 7.3 10.9

68 6.9 5.3 7.9

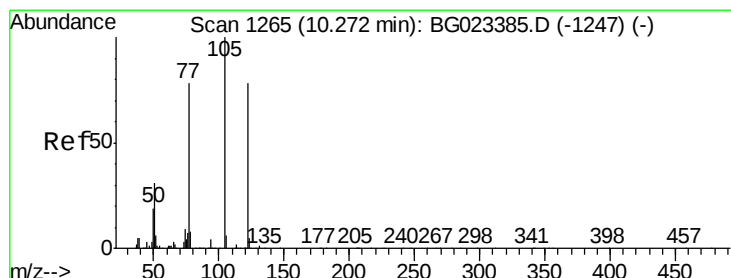
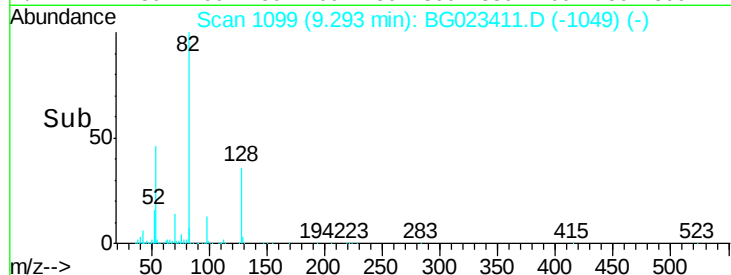
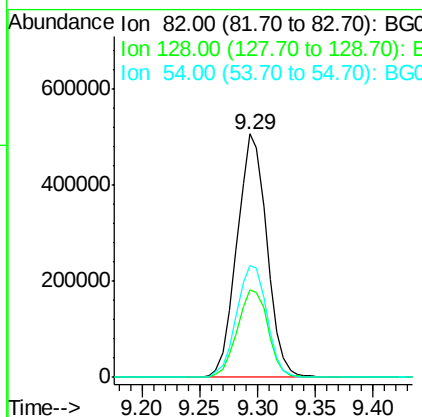
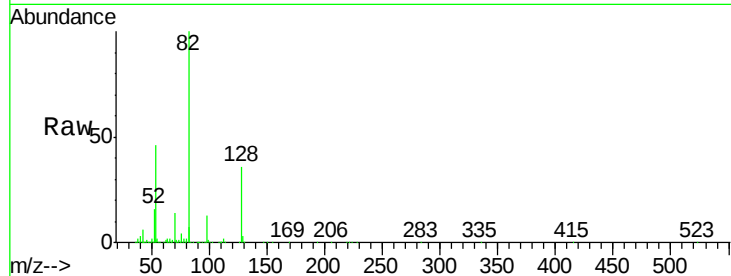




#23  
 Nitrobenzene-d5  
 Concen: 97.09 ng  
 RT: 9.29 min Scan# 1099  
 Delta R.T. -0.00 min  
 Lab File: BG023411.D  
 Acq: 3 Aug 2016 1:01

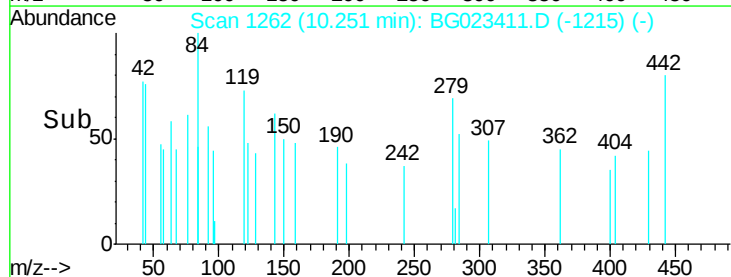
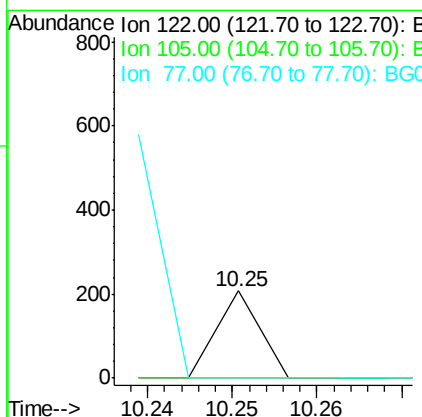
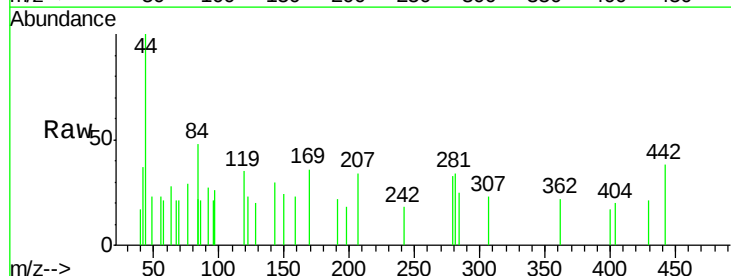
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-65-14.0-15.0

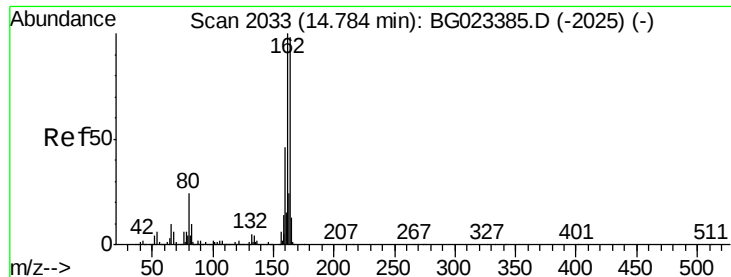
Tgt Ion: 82 Resp: 912591  
 Ion Ratio Lower Upper  
 82 100  
 128 35.9 24.4 36.6  
 54 46.0 41.4 62.0



#32  
 Benzoic acid  
 Concen: 6.45 ng  
 RT: 10.25 min Scan# 1262  
 Delta R.T. -0.02 min  
 Lab File: BG023411.D  
 Acq: 3 Aug 2016 1:01

Tgt Ion: 122 Resp: 73  
 Ion Ratio Lower Upper  
 122 100  
 105 0.0 117.2 157.2#  
 77 0.0 109.2 149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.78 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BG023411.D

Acq: 3 Aug 2016 1:01

Instrument :

BNA\_G

ClientSampleId :

SB-65-14.0-15.0

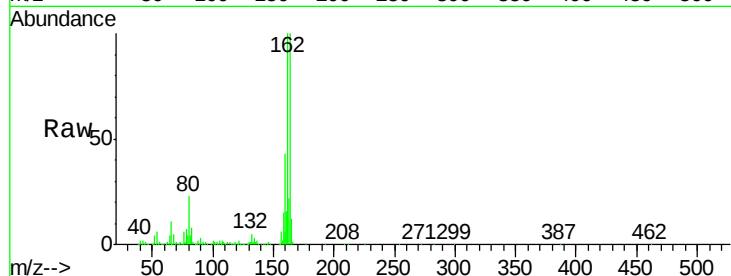
Tgt Ion:164 Resp: 368865

Ion Ratio Lower Upper

164 100

162 99.5 87.7 131.5

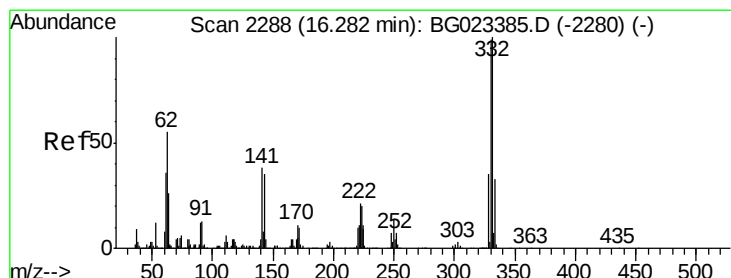
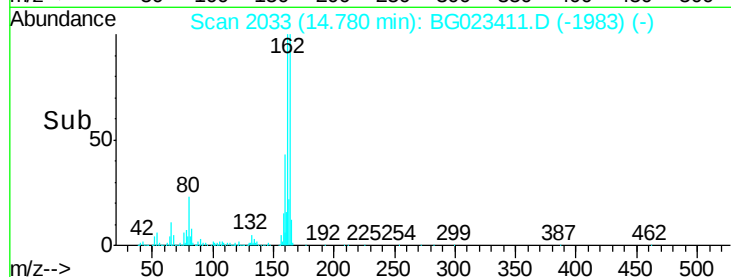
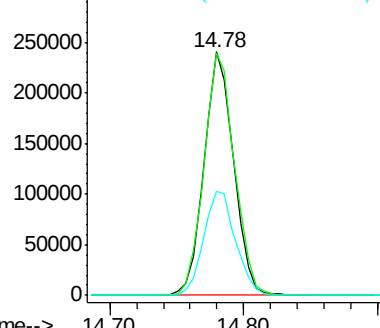
160 42.9 37.2 55.8



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: 169.85 ng

RT: 16.28 min Scan# 2288

Delta R.T. -0.00 min

Lab File: BG023411.D

Acq: 3 Aug 2016 1:01

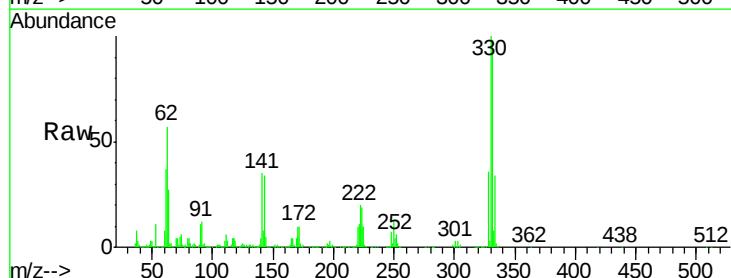
Tgt Ion:330 Resp: 916369

Ion Ratio Lower Upper

330 100

332 99.5 77.4 116.2

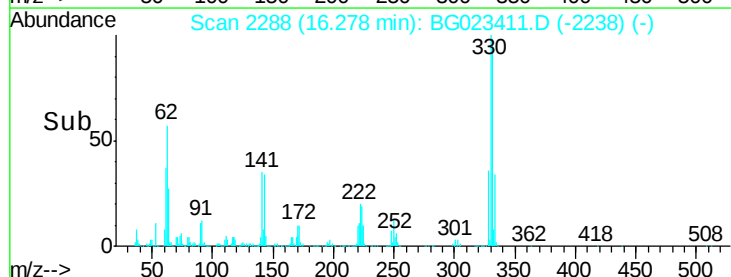
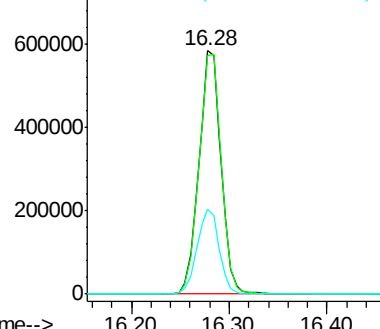
141 34.8 31.7 47.5

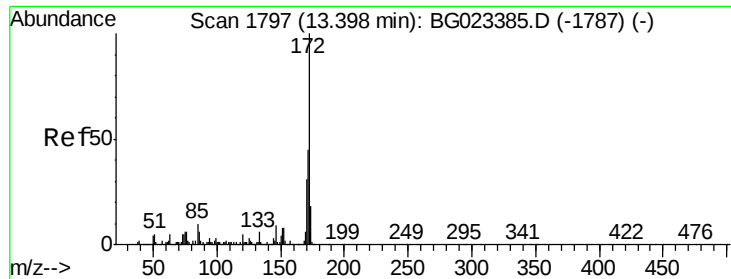


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 90.35 ng

RT: 13.40 min Scan# 1798

Delta R.T. 0.00 min

Lab File: BG023411.D

Acq: 3 Aug 2016 1:01

Instrument :

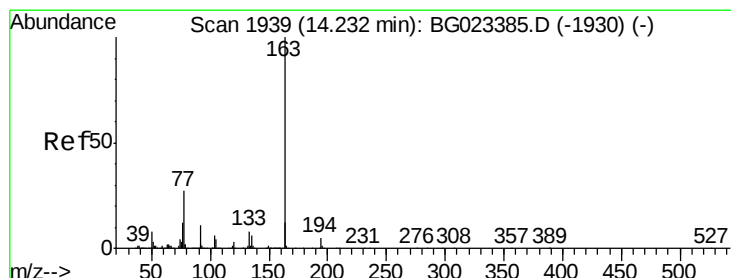
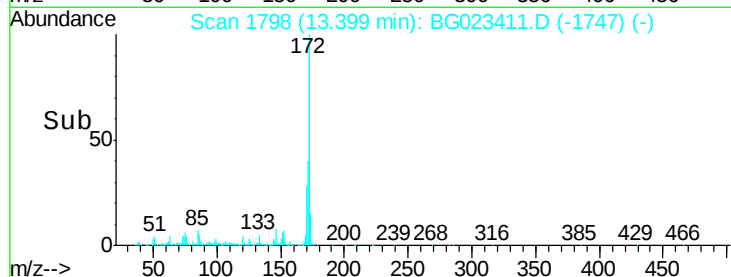
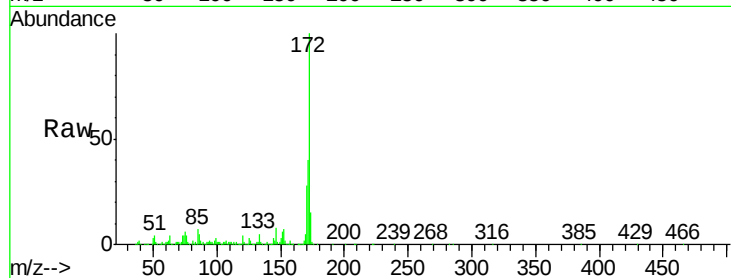
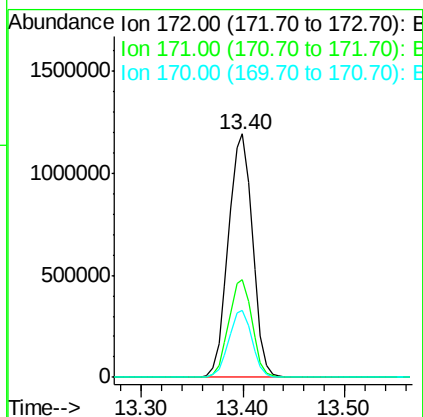
BNA\_G

ClientSampleId :

SB-65-14.0-15.0

Tgt Ion:172 Resp: 1975852

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 40.0  | 31.6  | 47.4  |
| 170 | 27.6  | 21.3  | 31.9  |



#49

Dimethylphthalate

Concen: 17.62 ng

RT: 14.22 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG023411.D

Acq: 3 Aug 2016 1:01

Tgt Ion:163 Resp: 498691

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.0   | 3.6   | 5.4   |
| 164 | 10.6  | 8.1   | 12.1  |

