

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102816\  
 Data File : BG024551.D  
 Acq On : 28 Oct 2016 22:49  
 Operator : UM/SJ  
 Sample : H5439-05  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-5COMP(0-16FEET)

Quant Time: Oct 28 23:47:11 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 26 11:14:13 2016  
 Response via : Initial Calibration

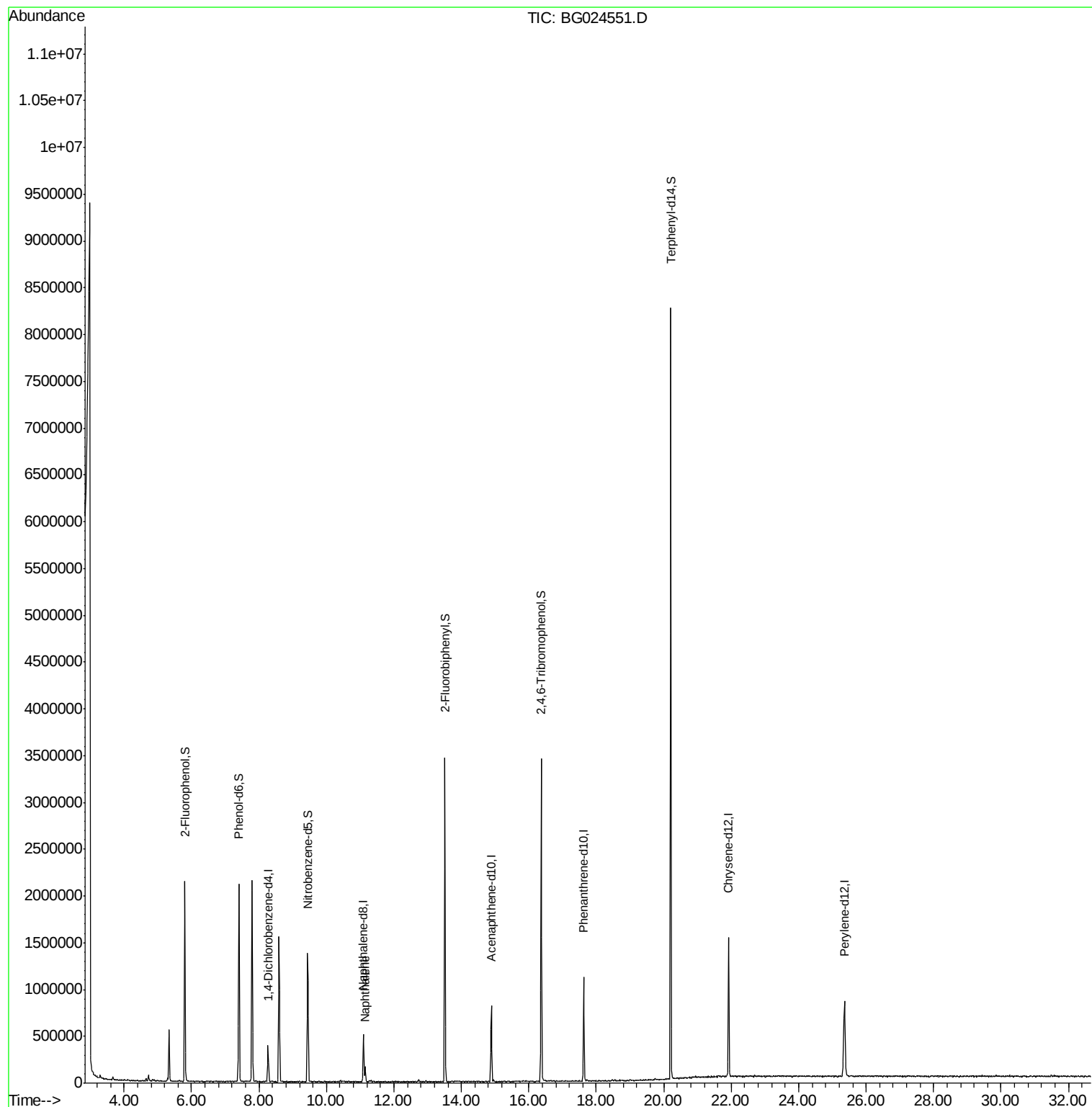
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.27  | 152  | 104236   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 11.10 | 136  | 392208   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.89 | 164  | 301389   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.63 | 188  | 701863   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.92 | 240  | 1011073  | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 25.36 | 264  | 997962   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.80  | 112  | 832248   | 130.86 | ng    | 0.00           |
| 7) Phenol-d6                | 7.40  | 99   | 1110697  | 127.32 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.45  | 82   | 870953   | 101.10 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.37 | 330  | 673277   | 149.53 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.51 | 172  | 1717561  | 94.72  | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.21 | 244  | 3177011  | 93.89  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 31) Naphthalene             | 11.15 | 128  | 123524   | 6.31   | ng    | Qvalue<br># 93 |

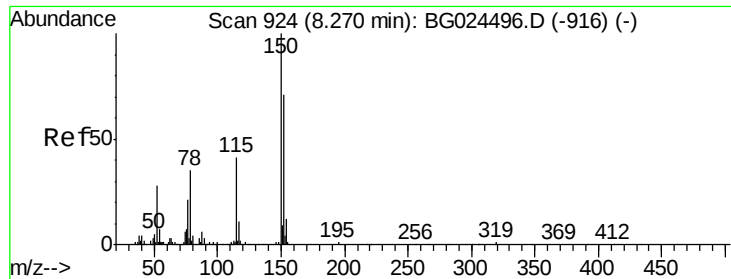
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 924

Delta R.T. -0.00 min

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Instrument :

BNA\_G

ClientSampleId :

SB-5COMP(0-16FEET)

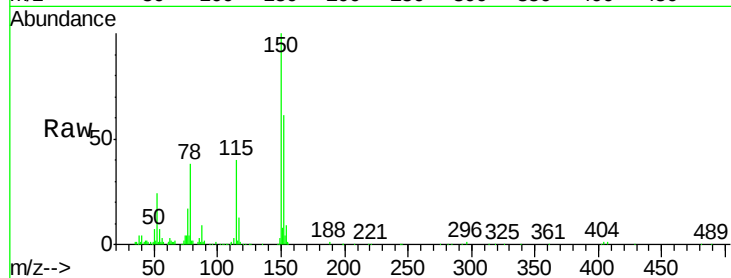
Tgt Ion:152 Resp: 104236

Ion Ratio Lower Upper

152 100

150 162.7 114.0 171.0

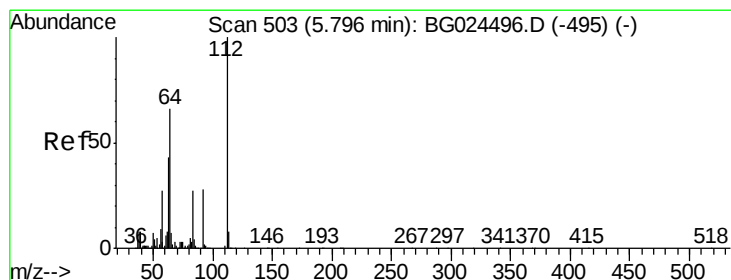
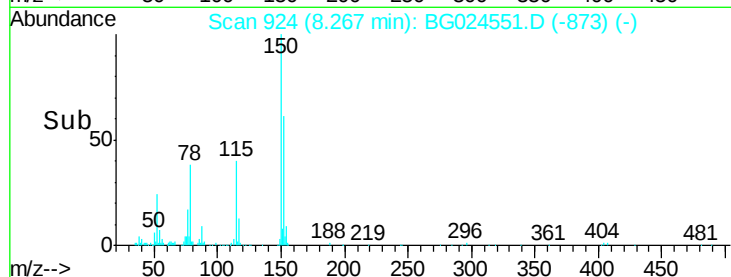
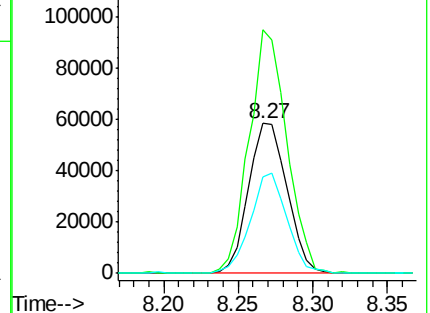
115 64.8 48.1 72.1



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: 130.86 ng

RT: 5.80 min Scan# 504

Delta R.T. 0.00 min

Lab File: BG024551.D

Acq: 28 Oct 2016 22:49

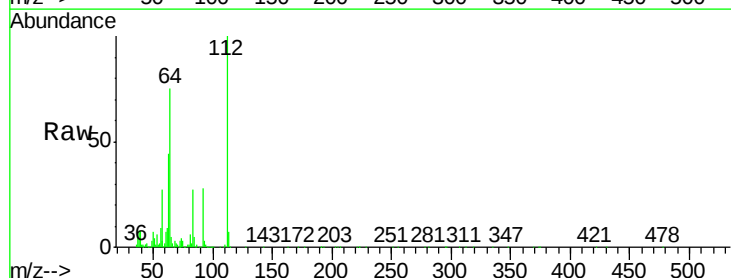
Tgt Ion:112 Resp: 832248

Ion Ratio Lower Upper

112 100

64 75.4 61.8 92.6

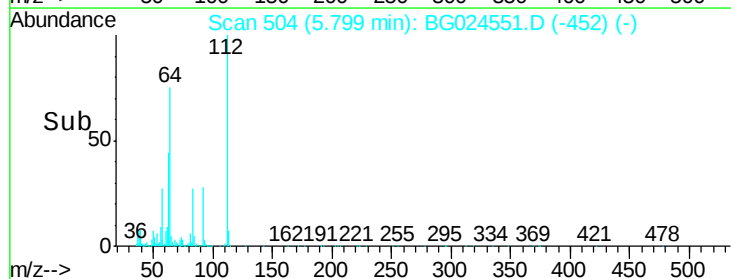
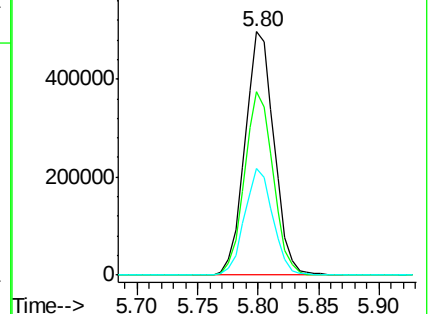
63 43.7 37.2 55.8

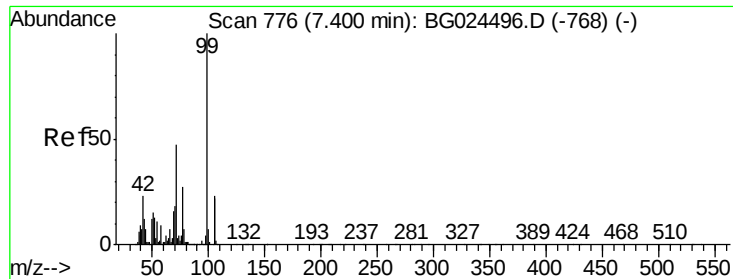


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 127.32 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG024551.D

Acq: 28 Oct 2016 22:49

Instrument :

BNA\_G

ClientSampleId :

SB-5COMP(0-16FEET)

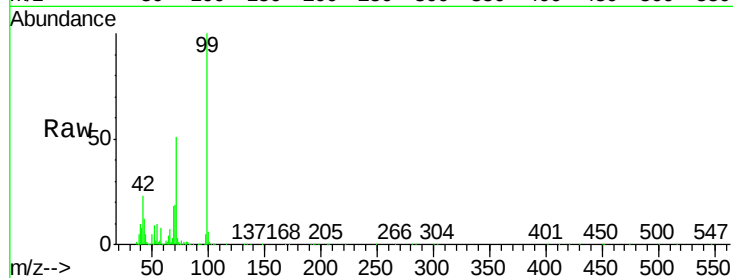
Tgt Ion: 99 Resp: 1110697

Ion Ratio Lower Upper

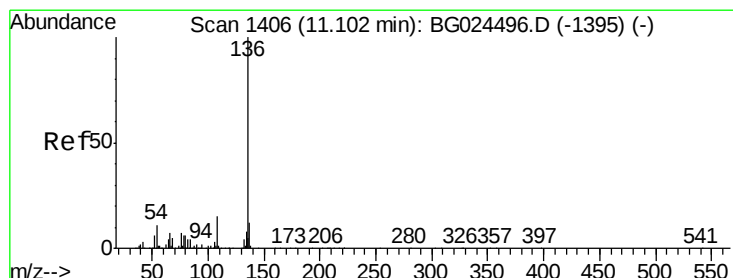
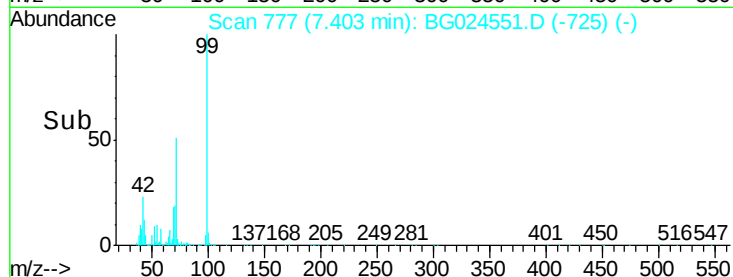
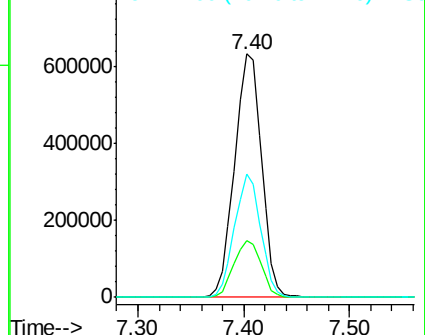
99 100

42 23.1 20.5 30.7

71 50.7 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: 11.10 min Scan# 1406

Delta R.T. -0.00 min

Lab File: BG024551.D

Acq: 28 Oct 2016 22:49

Tgt Ion: 136 Resp: 392208

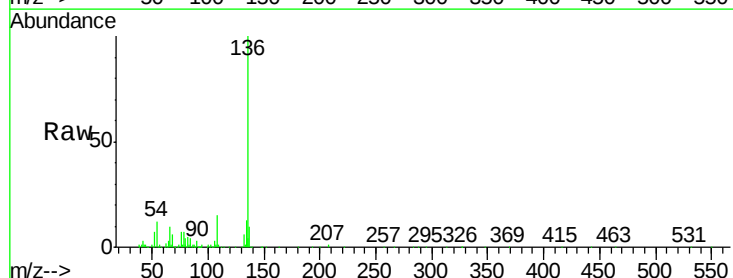
Ion Ratio Lower Upper

136 100

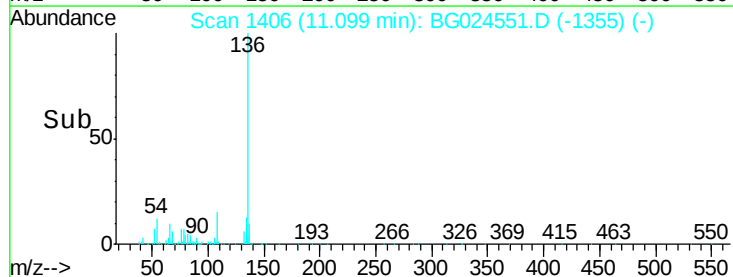
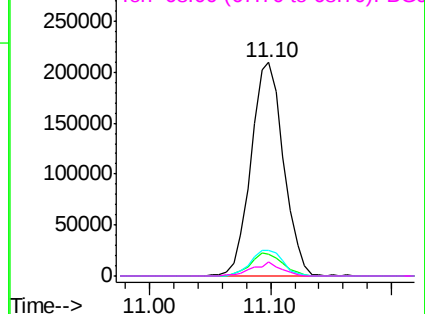
137 10.4 8.9 13.3

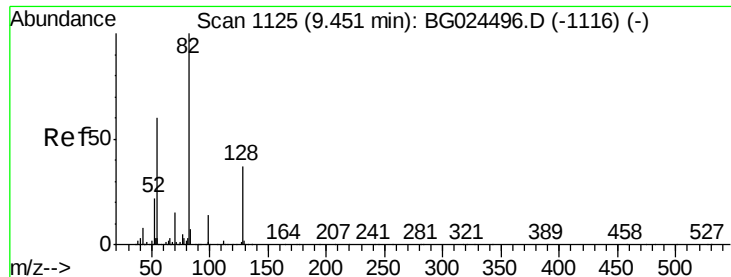
54 12.2 9.3 13.9

68 6.4 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

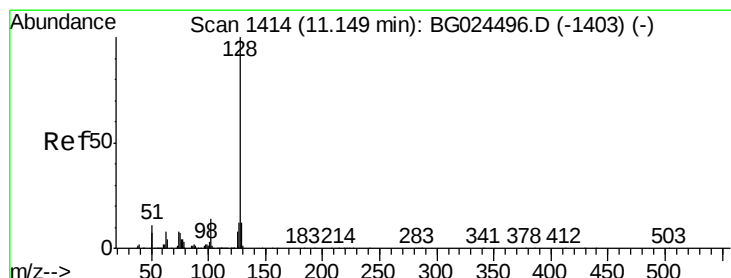
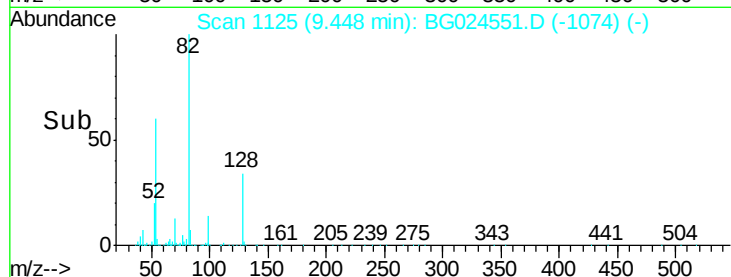
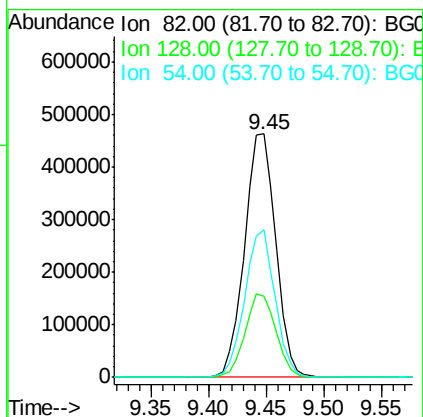
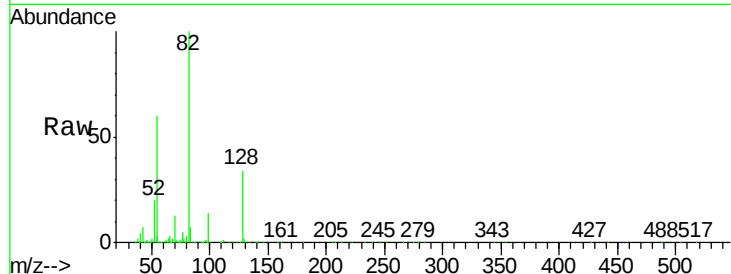




#23  
Nitrobenzene-d5  
Concen: 101.10 ng  
RT: 9.45 min Scan# 1125  
Delta R.T. -0.00 min  
Lab File: BG024551.D  
Acq: 28 Oct 2016 22:49

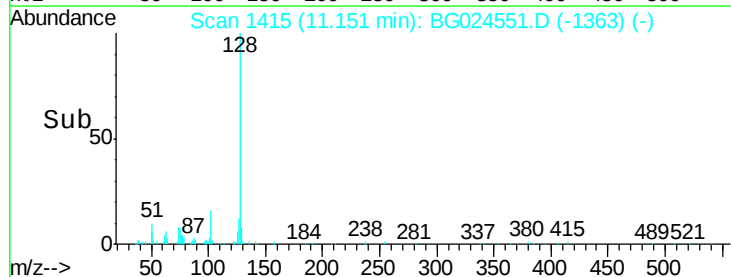
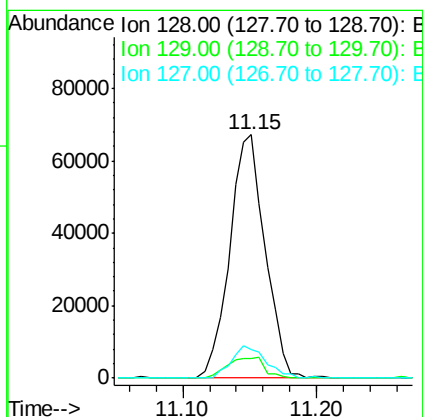
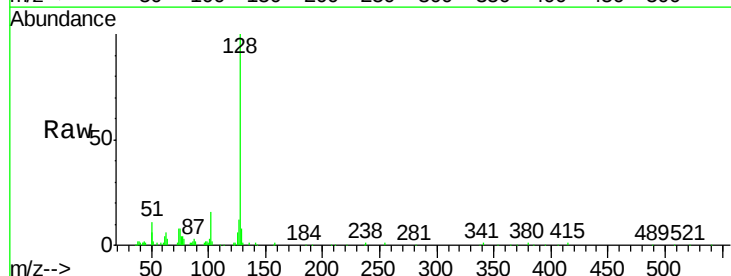
Instrument :  
BNA\_G  
ClientSampleId :  
SB-5COMP(0-16FEET)

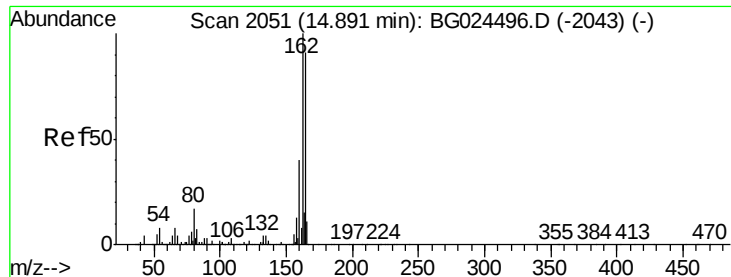
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 33.5  | 26.4  | 39.6  |
| 54      | 60.4  | 49.4  | 74.2  |



#31  
Naphthalene  
Concen: 6.31 ng  
RT: 11.15 min Scan# 1415  
Delta R.T. 0.00 min  
Lab File: BG024551.D  
Acq: 28 Oct 2016 22:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 8.1   | 9.3   | 13.9# |
| 127     | 11.8  | 11.4  | 17.0  |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.89 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BG024551.D

Acq: 28 Oct 2016 22:49

Instrument :

BNA\_G

ClientSampleId :

SB-5COMP(0-16FEET)

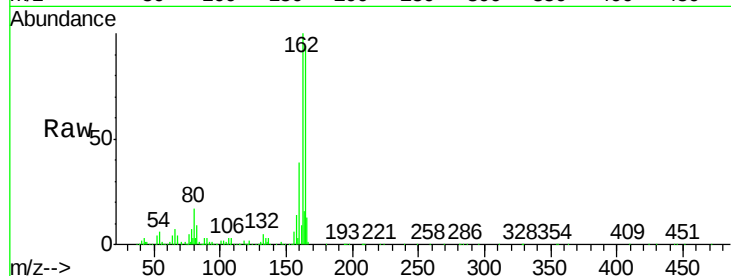
Tgt Ion:164 Resp: 301389

Ion Ratio Lower Upper

164 100

162 106.2 85.1 127.7

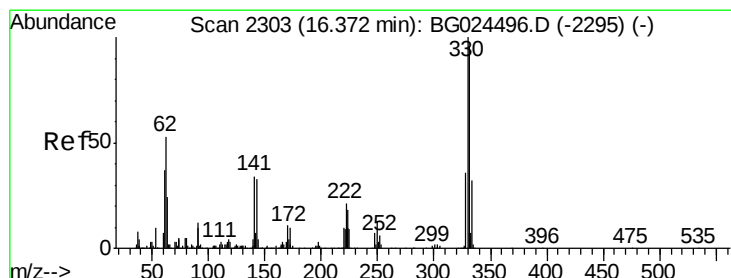
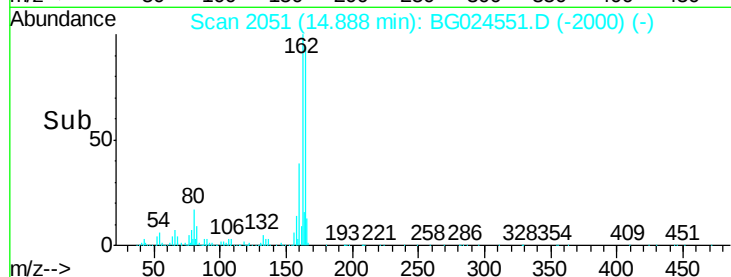
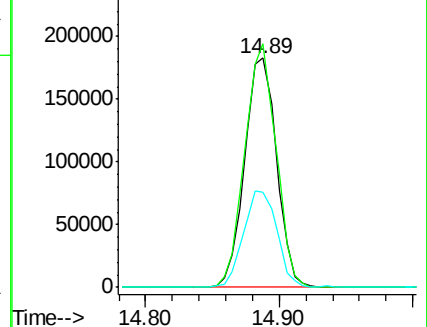
160 41.6 34.7 52.1



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: 149.53 ng

RT: 16.37 min Scan# 2303

Delta R.T. -0.00 min

Lab File: BG024551.D

Acq: 28 Oct 2016 22:49

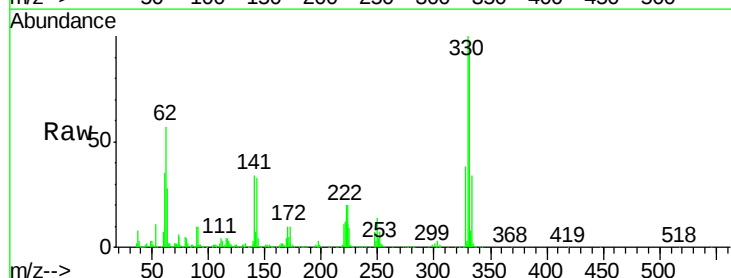
Tgt Ion:330 Resp: 673277

Ion Ratio Lower Upper

330 100

332 96.0 77.3 115.9

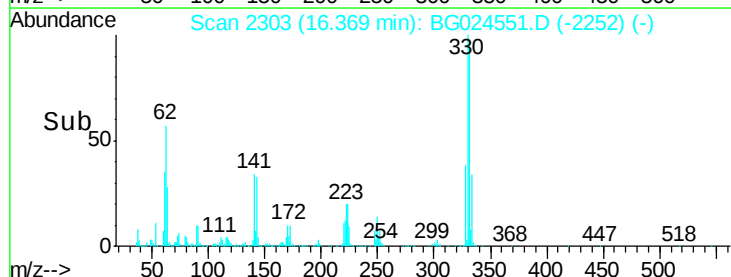
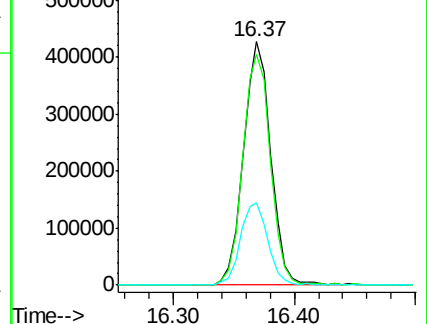
141 33.9 32.1 48.1

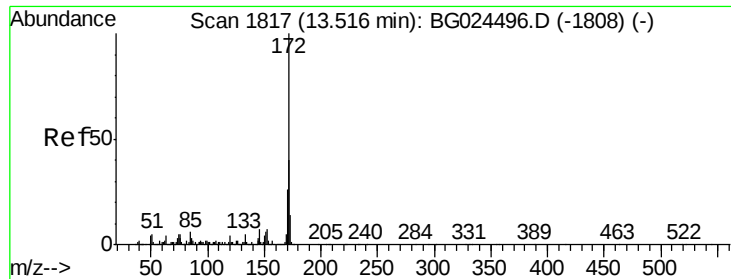


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

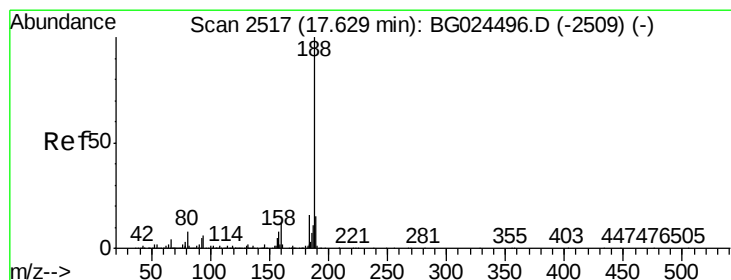
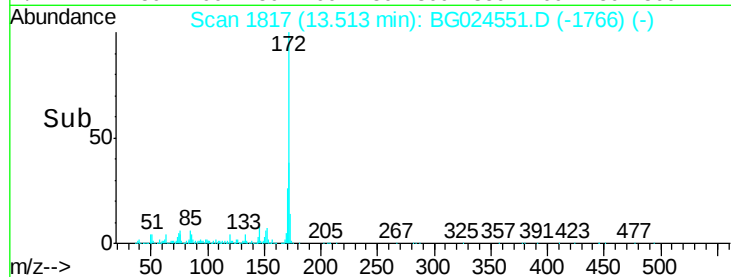
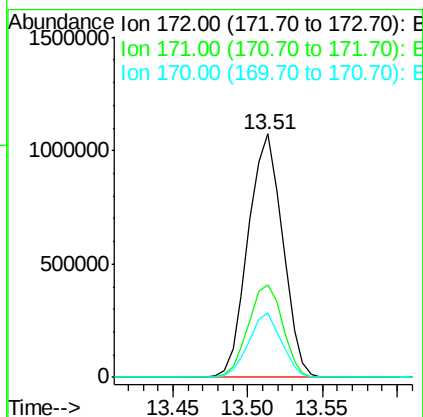
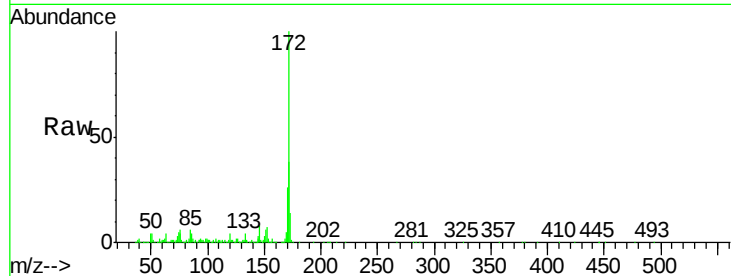




#44  
 2-Fluorobiphenyl  
 Concen: 94.72 ng  
 RT: 13.51 min Scan# 1817  
 Delta R.T. -0.00 min  
 Lab File: BG024551.D  
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Tgt Ion:172 Resp: 1717561  
 Ion Ratio Lower Upper  
 172 100  
 171 37.8 32.2 48.2  
 170 26.5 21.8 32.6



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.63 min Scan# 2517  
 Delta R.T. -0.00 min  
 Lab File: BG024551.D  
 Acq: 28 Oct 2016 22:49

Tgt Ion:188 Resp: 701863  
 Ion Ratio Lower Upper  
 188 100  
 94 5.8 5.8 8.8#  
 80 6.0 7.5 11.3#

