

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG110316\  
 Data File : BG024682.D  
 Acq On : 4 Nov 2016 14:39  
 Operator : UM/SJ  
 Sample : H5509-16  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-1-4.5-5.0

Quant Time: Nov 04 15:55:04 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

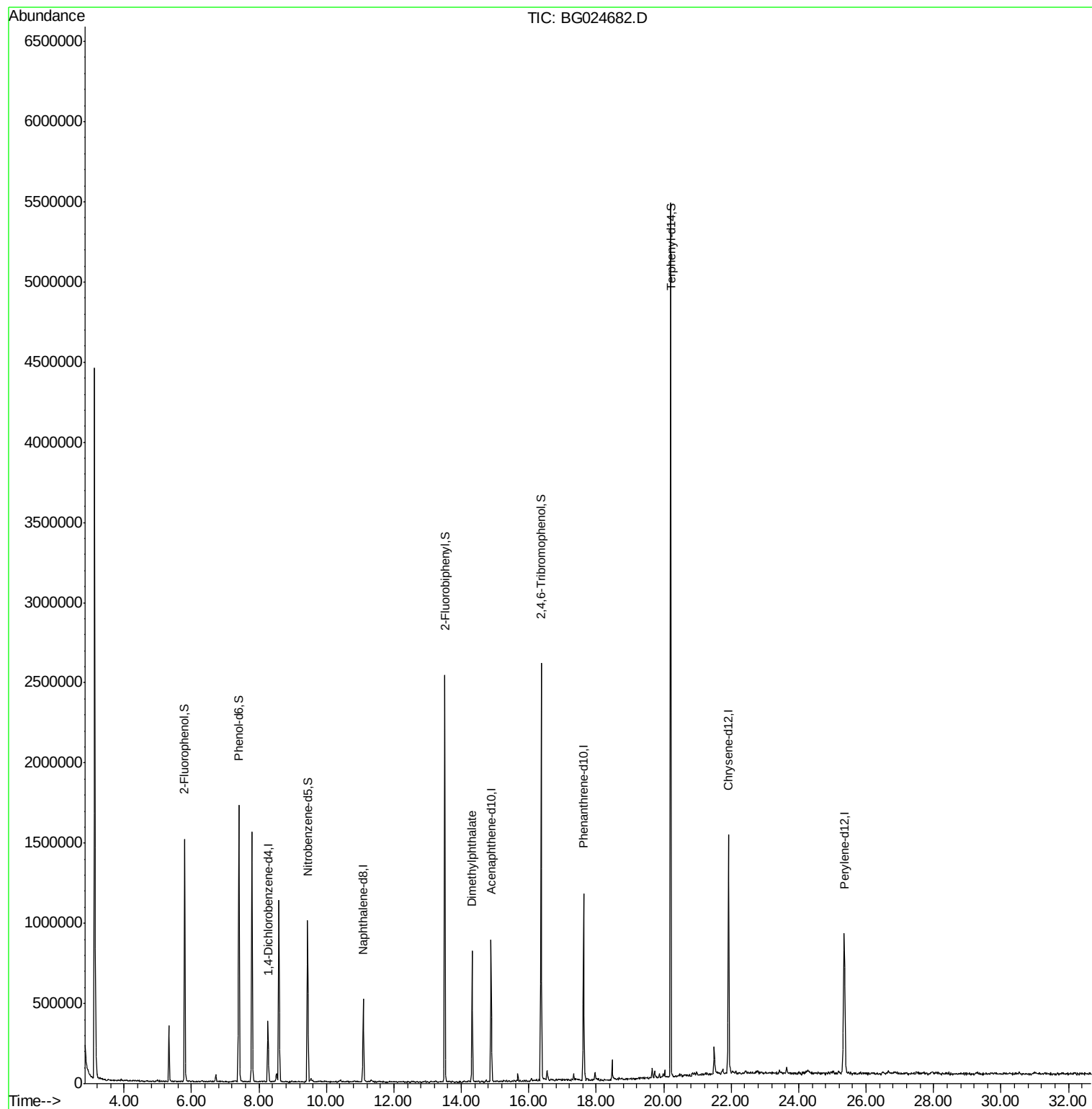
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.27  | 152  | 101786   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 11.09 | 136  | 411091   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.88 | 164  | 315288   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.62 | 188  | 756420   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.92 | 240  | 1024571  | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.35 | 264  | 1075765  | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.79  | 112  | 611976   | 98.54  | ng    | 0.00         |
| 7) Phenol-d6                | 7.40  | 99   | 911223   | 106.97 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.44  | 82   | 644714   | 71.40  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.36 | 330  | 516635   | 109.68 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.51 | 172  | 1297630  | 68.41  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.21 | 244  | 2383180  | 69.50  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.32 | 163  | 499424   | 22.31  | ng    | Qvalue<br>99 |

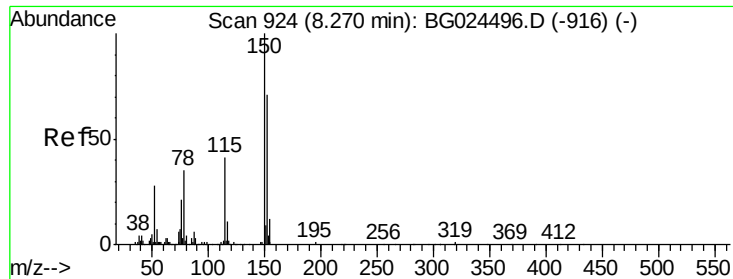
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 26 11:14:13 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 924

Delta R.T. -0.00 min

Lab File: BG024682.D

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Instrument :

BNA\_G

ClientSampleId :

S-1-4.5-5.0

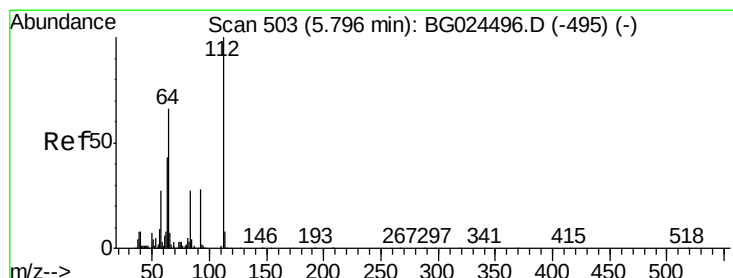
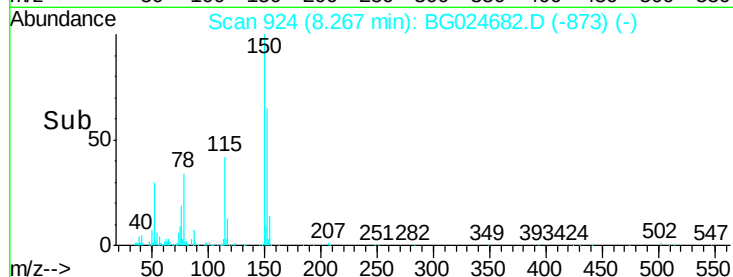
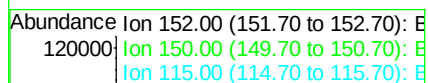
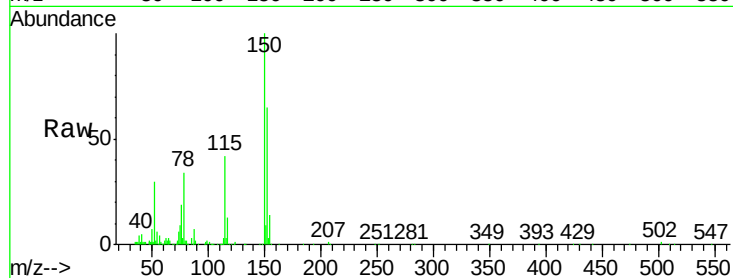
Tgt Ion:152 Resp: 101786

Ion Ratio Lower Upper

152 100

150 153.9 114.0 171.0

115 65.1 48.1 72.1



#5

2-Fluorophenol

Concen: 98.54 ng

RT: 5.79 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG024682.D

Acq: 4 Nov 2016 14:39

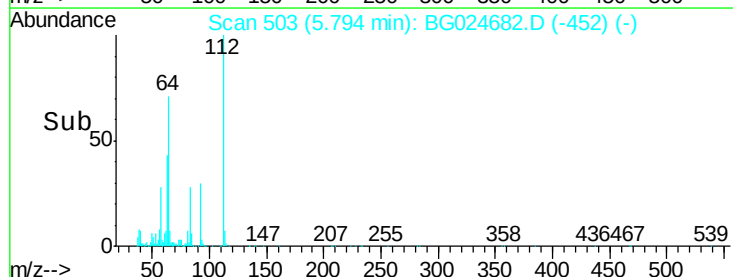
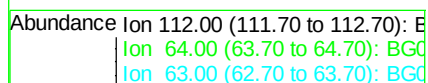
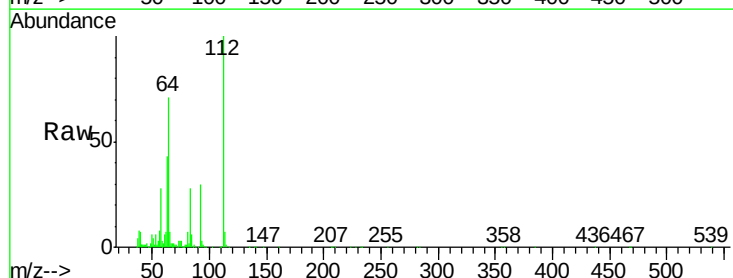
Tgt Ion:112 Resp: 611976

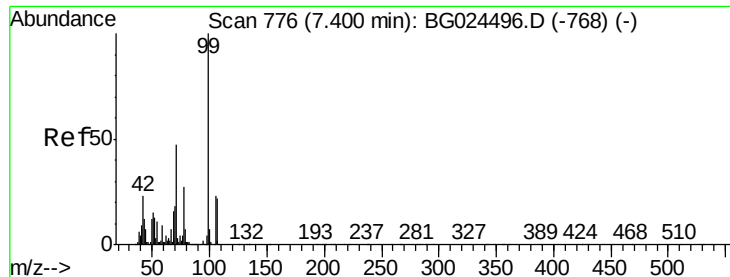
Ion Ratio Lower Upper

112 100

64 71.2 61.8 92.6

63 43.2 37.2 55.8





#7

Phenol-d6

Concen: 106.97 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG024682.D

Acq: 4 Nov 2016 14:39

Instrument :

BNA\_G

ClientSampleId :

S-1-4.5-5.0

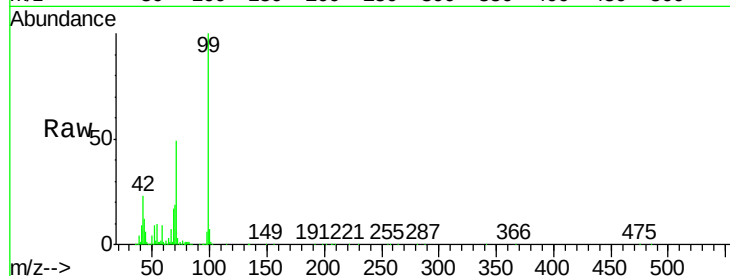
Tgt Ion: 99 Resp: 911223

Ion Ratio Lower Upper

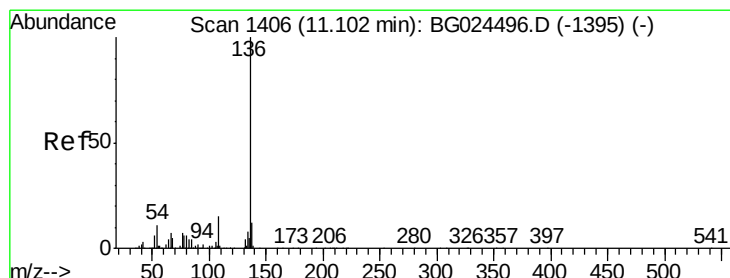
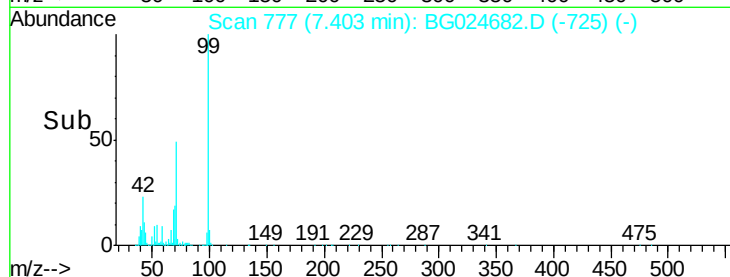
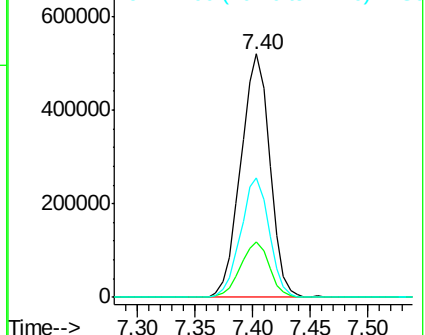
99 100

42 22.9 20.5 30.7

71 49.0 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: 11.09 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BG024682.D

Acq: 4 Nov 2016 14:39

Tgt Ion: 136 Resp: 411091

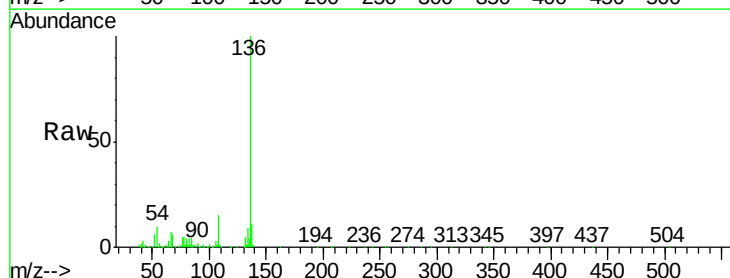
Ion Ratio Lower Upper

136 100

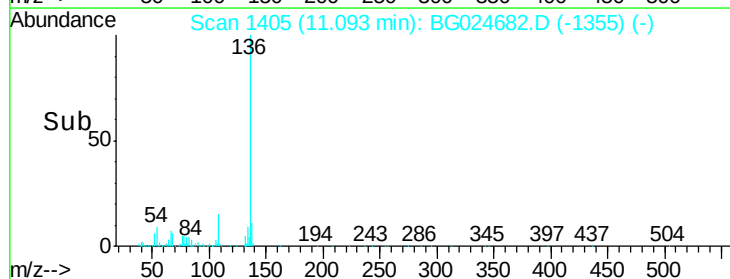
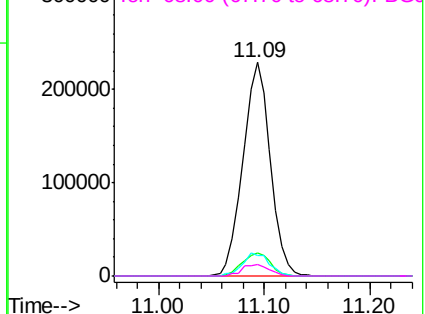
137 10.6 8.9 13.3

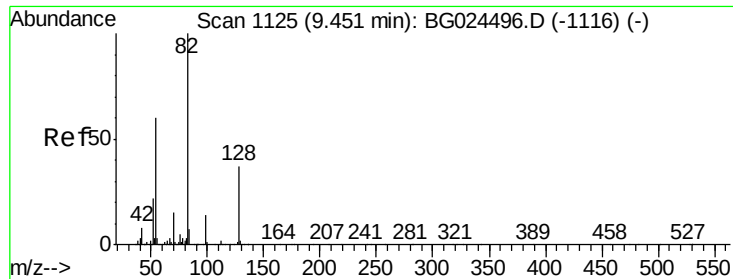
54 9.5 9.3 13.9

68 5.5 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

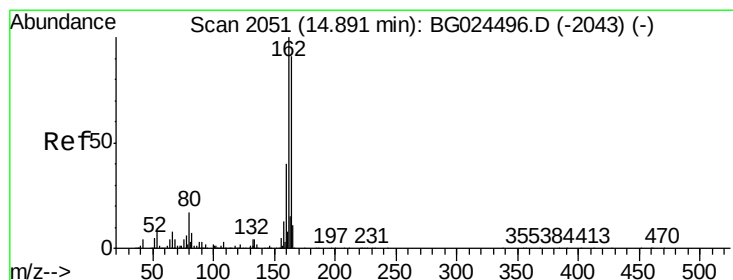
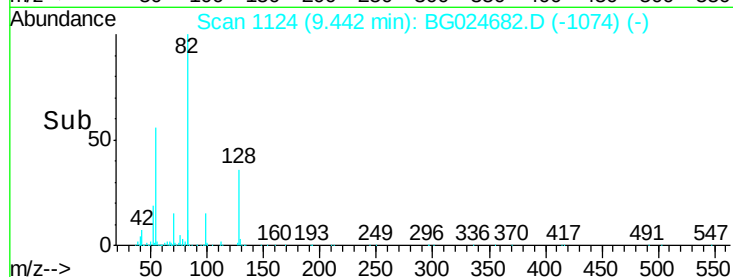
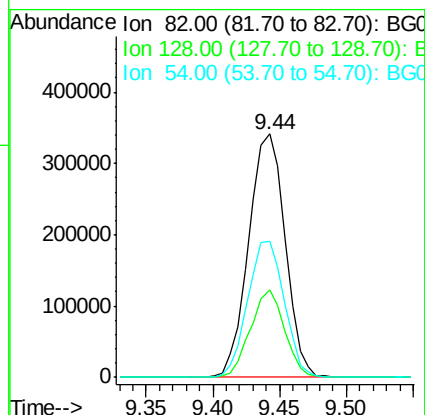
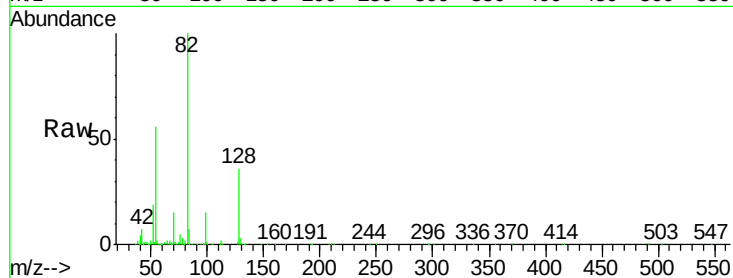




#23  
 Nitrobenzene-d5  
 Concen: 71.40 ng  
 RT: 9.44 min Scan# 1124  
 Delta R.T. -0.01 min  
 Lab File: BG024682.D  
 Acq: 4 Nov 2016 14:39

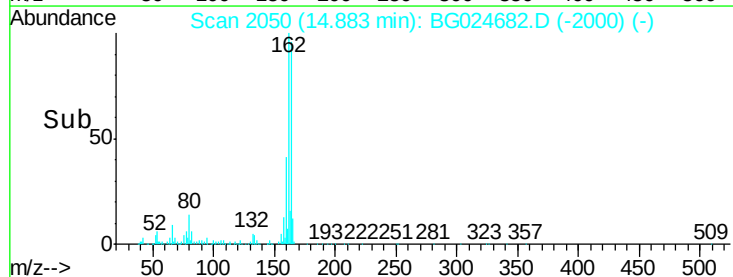
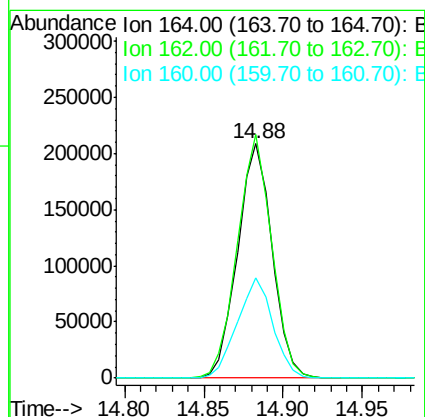
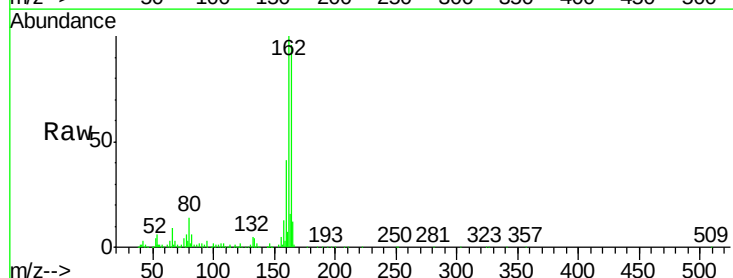
Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-1-4.5-5.0

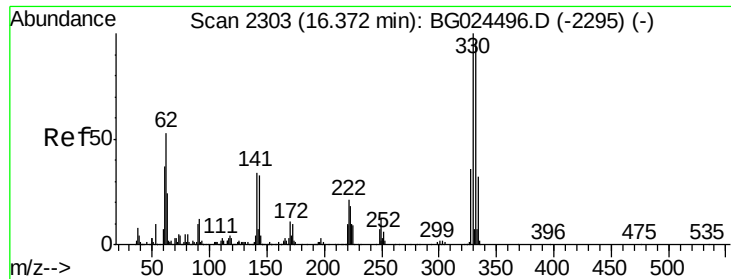
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.0  | 26.4  | 39.6  |
| 54      | 55.9  | 49.4  | 74.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.88 min Scan# 2050  
 Delta R.T. -0.01 min  
 Lab File: BG024682.D  
 Acq: 4 Nov 2016 14:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.0 | 85.1  | 127.7 |
| 160     | 43.0  | 34.7  | 52.1  |

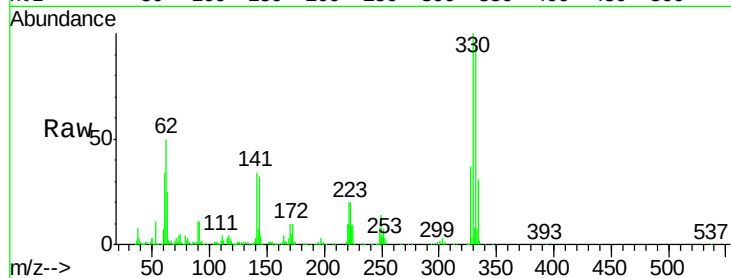




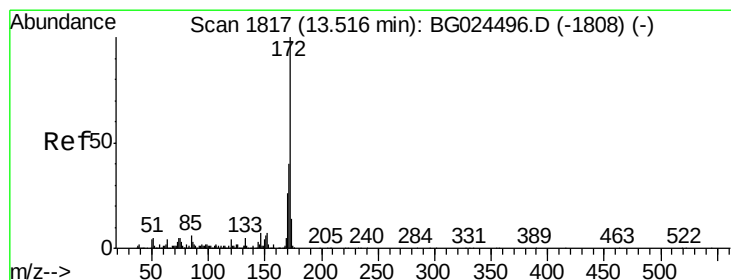
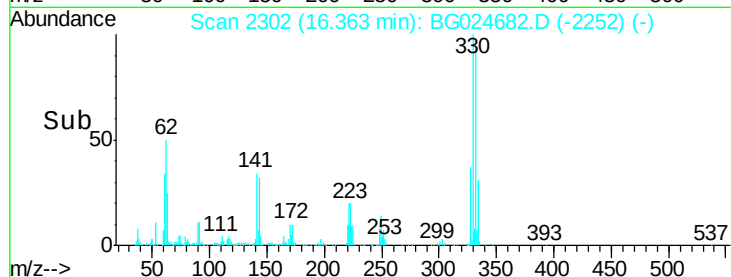
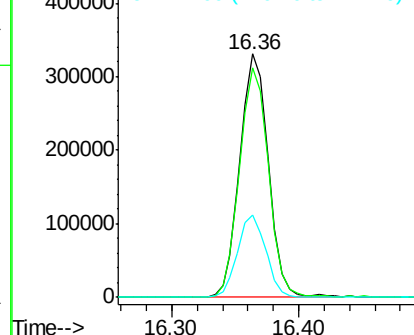
#41  
2,4,6-Tribromophenol  
Concen: 109.68 ng  
RT: 16.36 min Scan# 2302  
Delta R.T. -0.01 min  
Lab File: BG024682.D  
Acq: 4 Nov 2016 14:39

Instrument :  
BNA\_G  
ClientSampleId :  
S-1-4.5-5.0

Tgt Ion:330 Resp: 516635  
Ion Ratio Lower Upper  
330 100  
332 95.7 77.3 115.9  
141 33.7 32.1 48.1

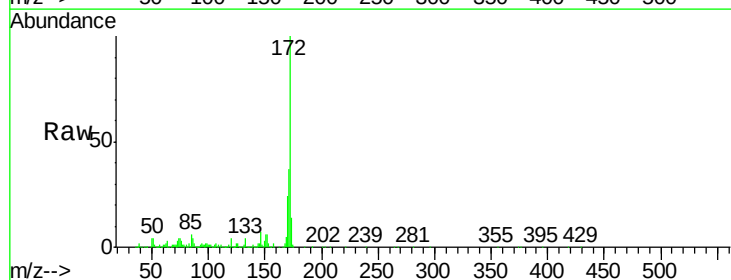


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

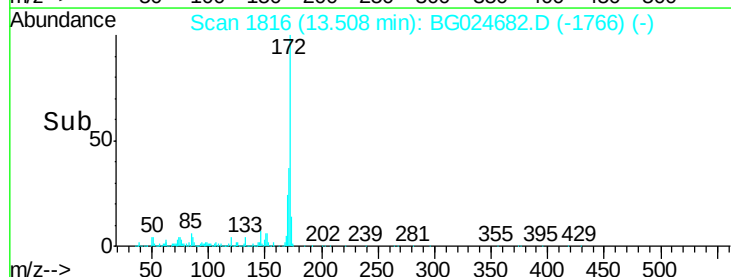
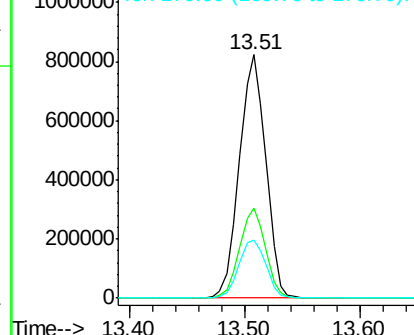


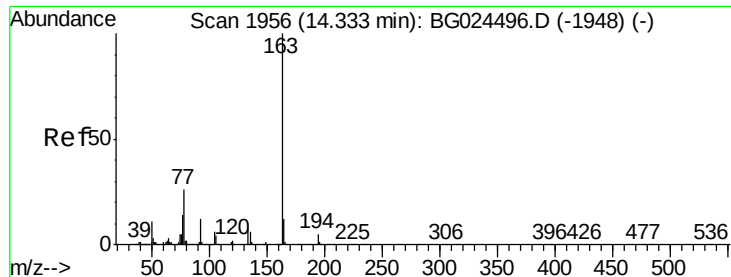
#44  
2-Fluorobiphenyl  
Concen: 68.41 ng  
RT: 13.51 min Scan# 1816  
Delta R.T. -0.01 min  
Lab File: BG024682.D  
Acq: 4 Nov 2016 14:39

Tgt Ion:172 Resp: 1297630  
Ion Ratio Lower Upper  
172 100  
171 36.9 32.2 48.2  
170 24.0 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





#49

Dimethylphthalate

Concen: 22.31 ng

RT: 14.32 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BG024682.D

Acq: 4 Nov 2016 14:39

Instrument :

BNA\_G

ClientSampleId :

S-1-4.5-5.0

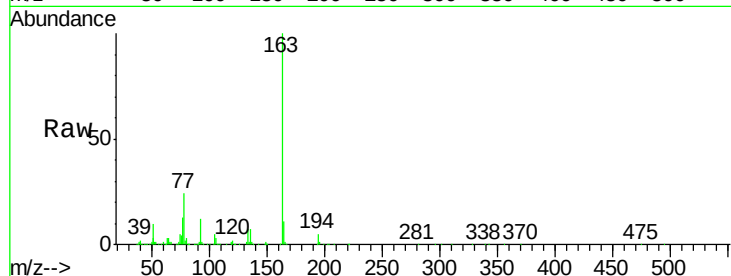
Tgt Ion:163 Resp: 499424

Ion Ratio Lower Upper

163 100

194 4.6 3.8 5.6

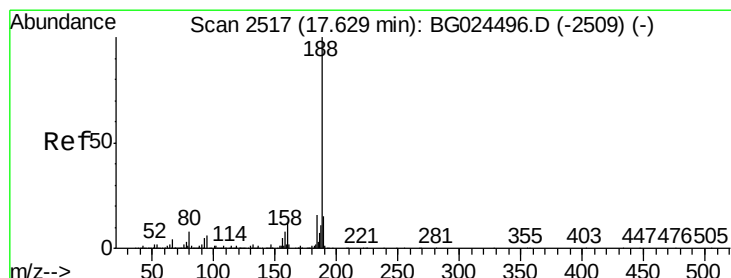
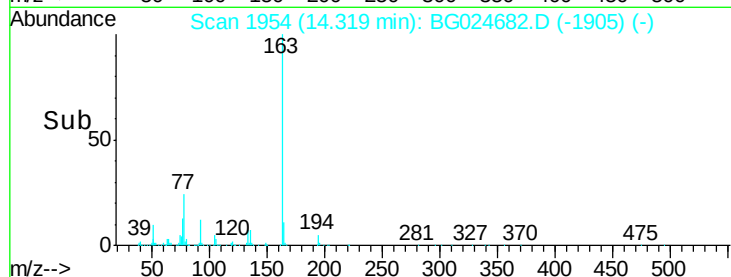
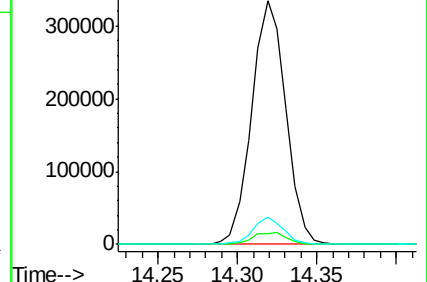
164 11.1 9.3 13.9



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: 17.62 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BG024682.D

Acq: 4 Nov 2016 14:39

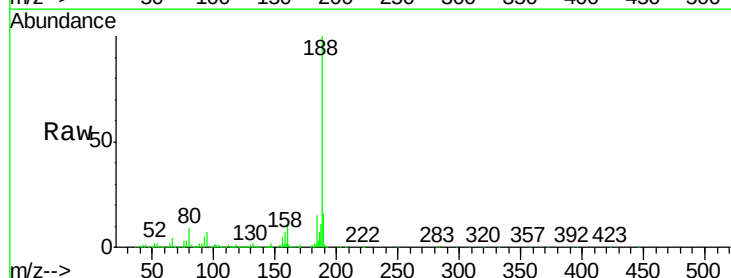
Tgt Ion:188 Resp: 756420

Ion Ratio Lower Upper

188 100

94 7.0 5.8 8.8

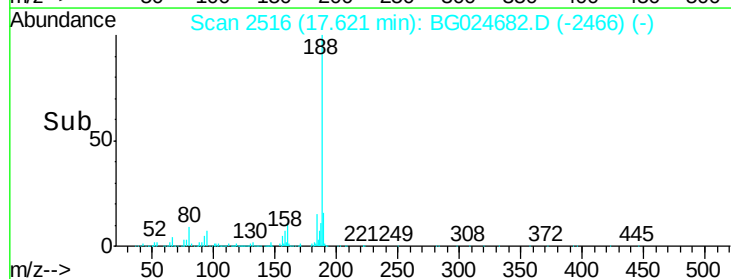
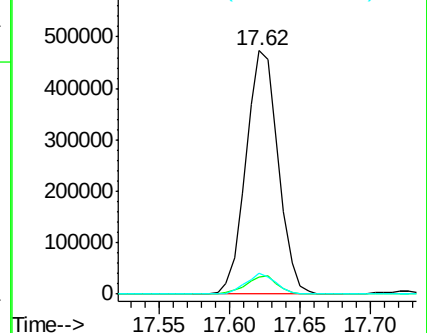
80 8.8 7.5 11.3

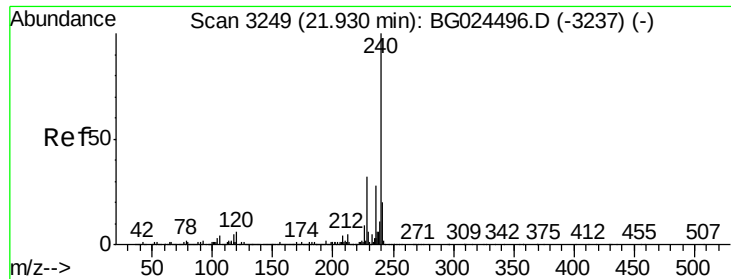


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

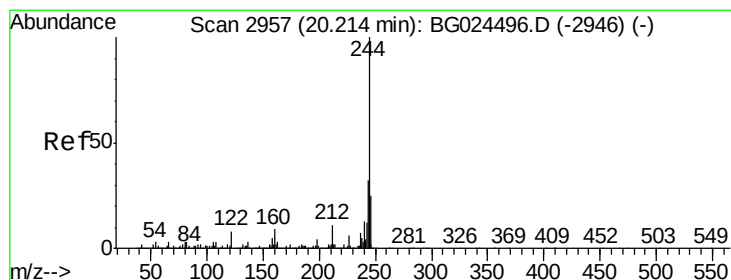
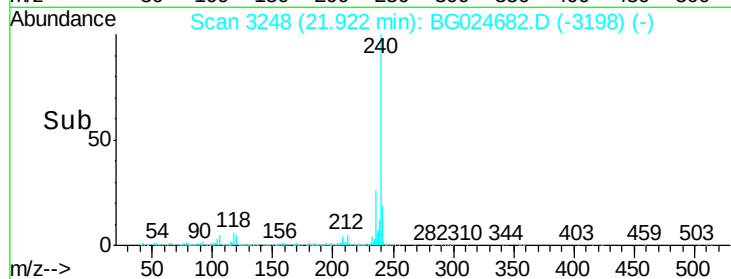
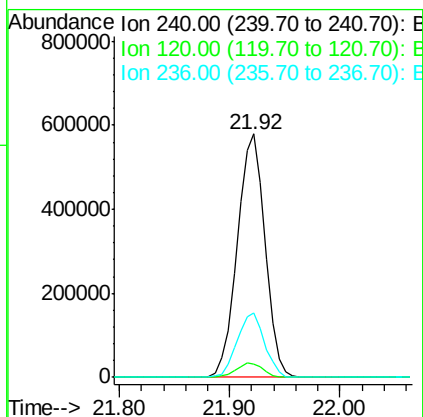
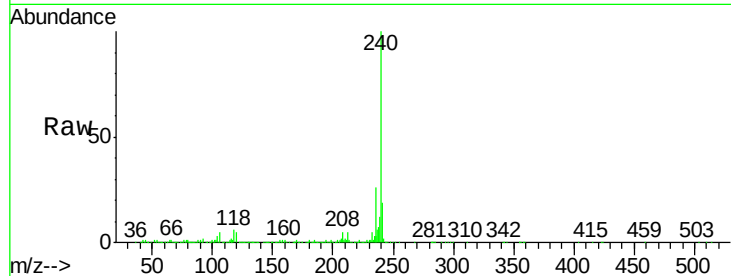




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.92 min Scan# 3248  
 Delta R.T. -0.01 min  
 Lab File: BG024682.D  
 Acq: 4 Nov 2016 14:39

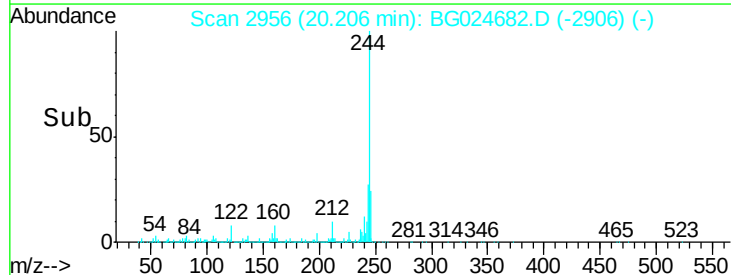
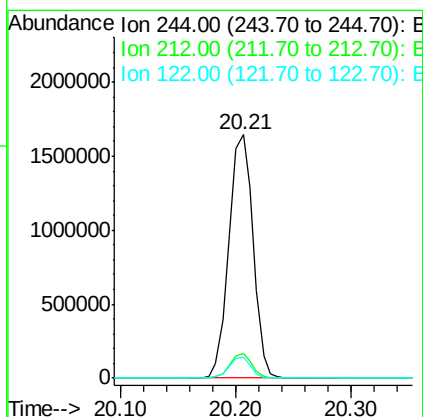
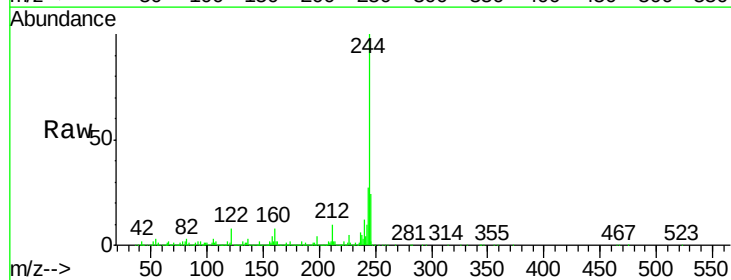
Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-1-4.5-5.0

Tgt Ion:240 Resp: 1024571  
 Ion Ratio Lower Upper  
 240 100  
 120 5.3 5.7 8.5#  
 236 26.2 22.2 33.4

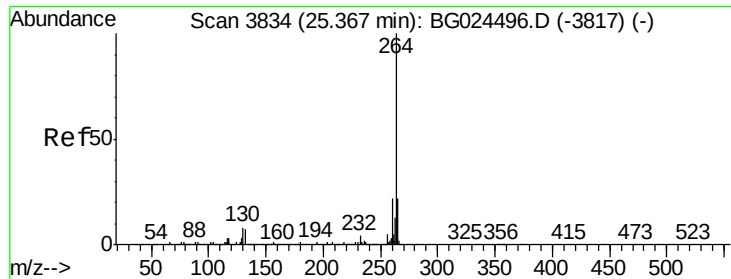


#78  
 Terphenyl-d14  
 Concen: 69.50 ng  
 RT: 20.21 min Scan# 2956  
 Delta R.T. -0.01 min  
 Lab File: BG024682.D  
 Acq: 4 Nov 2016 14:39

Tgt Ion:244 Resp: 2383180  
 Ion Ratio Lower Upper  
 244 100  
 212 10.1 10.0 15.0  
 122 8.4 8.6 12.8#







#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.35 min Scan# 3832  
Delta R.T. -0.01 min  
Lab File: BG024682.D  
Acq: 4 Nov 2016 14:39

Instrument :  
BNA\_G  
ClientSampleId :  
S-1-4.5-5.0

Tgt Ion: 264 Resp: 1075765  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 21.8  | 32.8  |
| 265 | 23.0  | 18.2  | 27.4  |

