

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG022616\  
 Data File : BG021090.D  
 Acq On : 26 Feb 2016 22:46  
 Operator : UM/SJ  
 Sample : H1558-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S5

Quant Time: Feb 27 01:18:50 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG022616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 26 16:39:44 2016  
 Response via : Initial Calibration

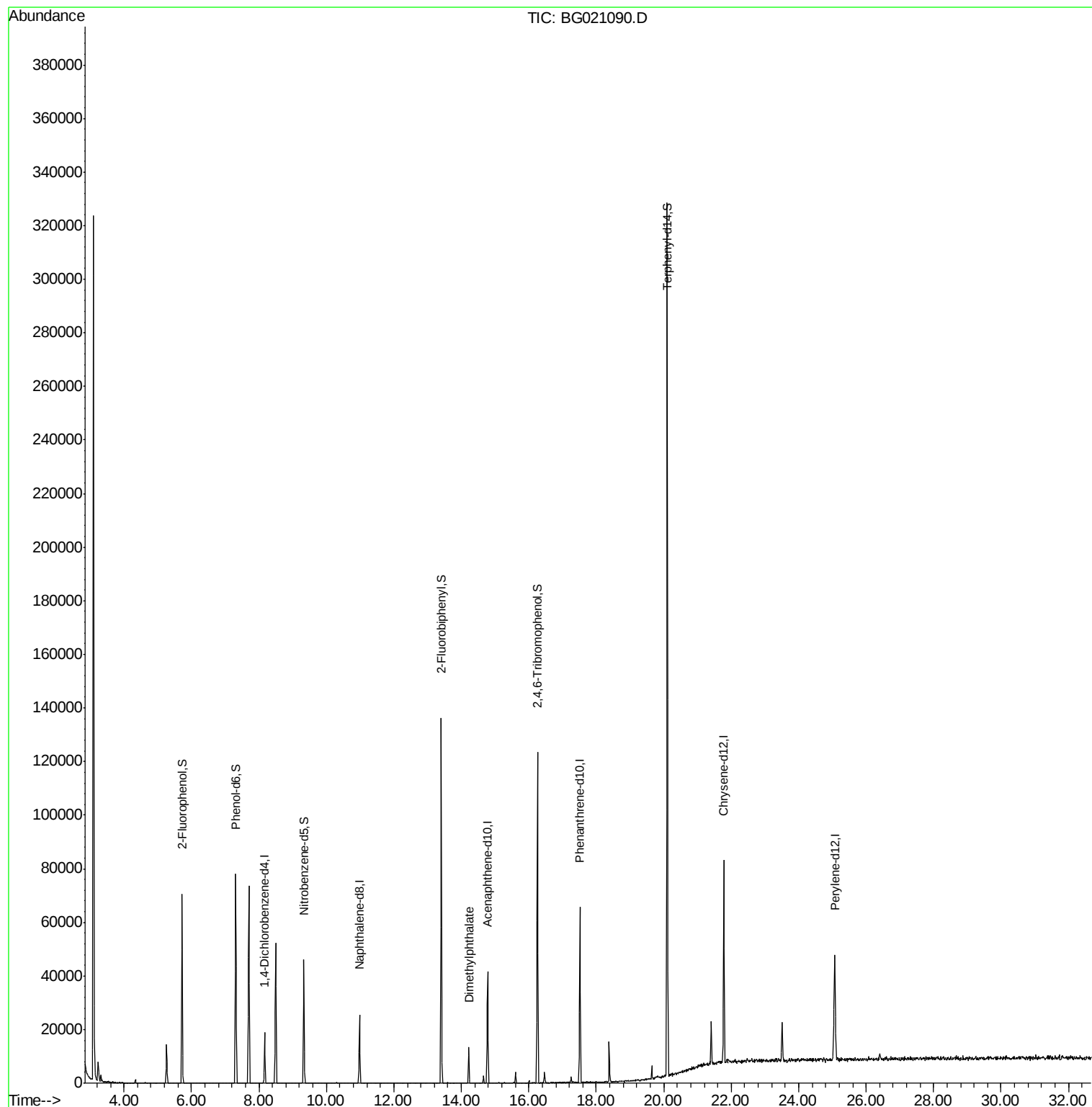
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 5212     | 20.00 | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.98 | 136  | 21797    | 20.00 | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.77 | 164  | 14415    | 20.00 | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.51 | 188  | 38801    | 20.00 | ng    | 0.00           |
| 75) Chrysene-d12            | 21.78 | 240  | 48255    | 20.00 | ng    | -0.01          |
| 86) Perylene-d12            | 25.07 | 264  | 44051    | 20.00 | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.73  | 112  | 28273    | 94.97 | ng    | 0.00           |
| 7) Phenol-d6                | 7.31  | 99   | 40739    | 91.96 | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 28048    | 61.31 | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 18494    | 97.85 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.41 | 172  | 66191    | 58.76 | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.10 | 244  | 134172   | 64.98 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 49) Dimethylphthalate       | 14.22 | 163  | 8421     | 6.78  | ng    | Qvalue<br># 99 |

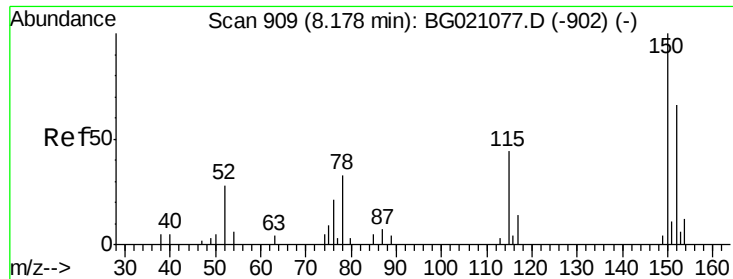
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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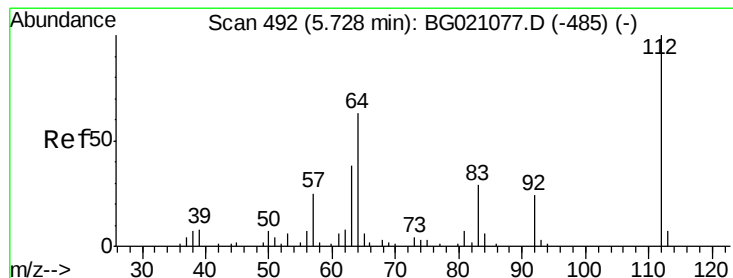
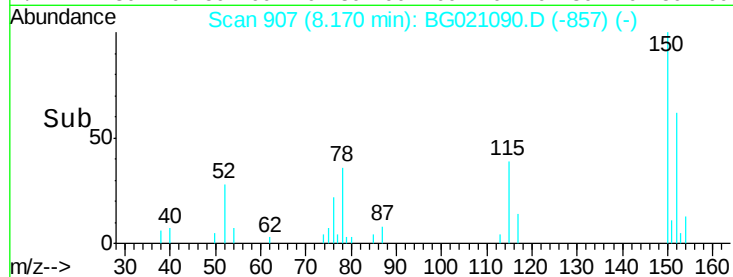
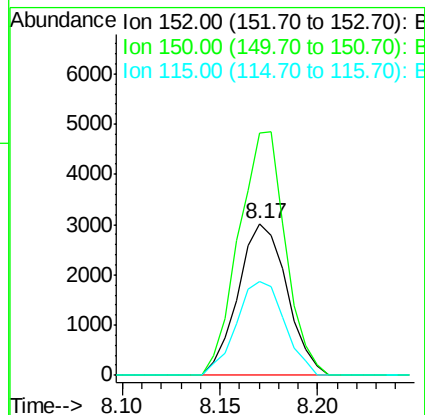
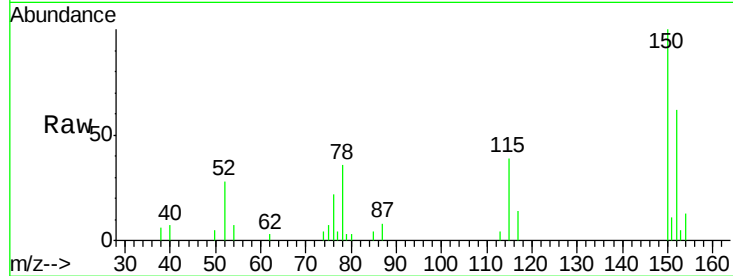


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.17 min Scan# 907  
Delta R.T. -0.01 min  
Lab File: BG021090.D  
Acq: 26 Feb 2016 22:46

Instrument :  
BNA\_G  
ClientSampled :  
S5

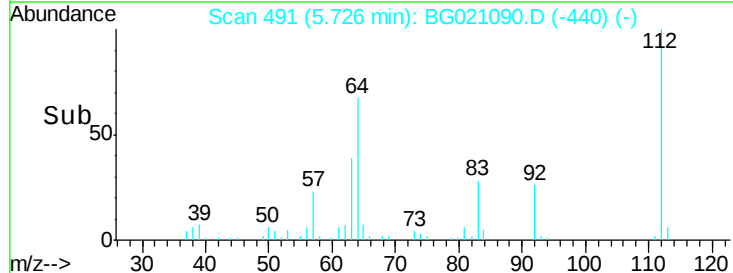
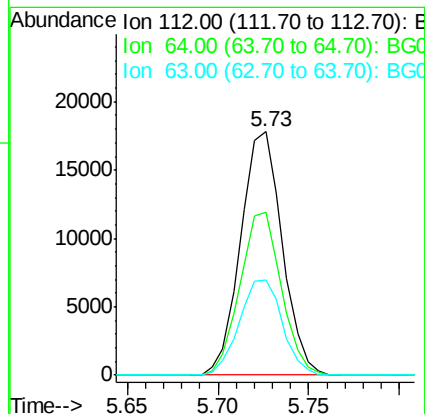
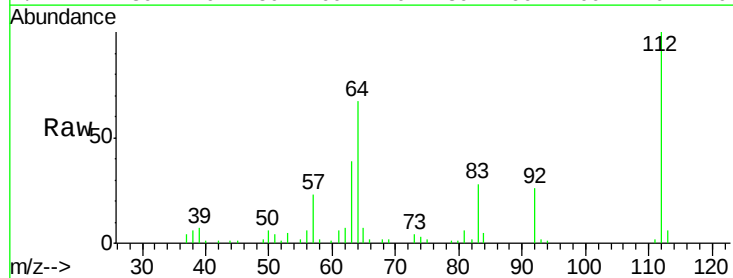
Tgt Ion:152 Resp: 5212  
Ion Ratio Lower Upper  
152 100  
150 160.0 123.4 185.2  
115 62.3 43.3 64.9

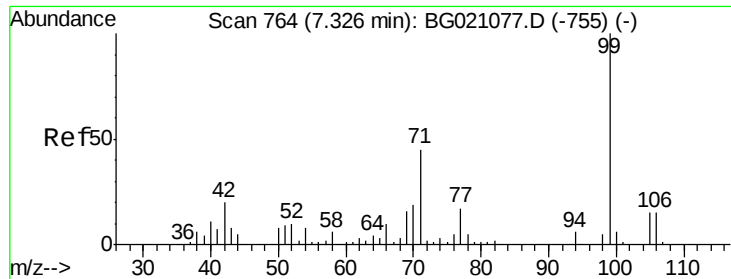


#5

2-Fluorophenol  
Concen: 94.97 ng  
RT: 5.73 min Scan# 491  
Delta R.T. -0.00 min  
Lab File: BG021090.D  
Acq: 26 Feb 2016 22:46

Tgt Ion:112 Resp: 28273  
Ion Ratio Lower Upper  
112 100  
64 66.7 42.6 63.8#  
63 39.3 21.7 32.5#





#7

Phenol-d6

Concen: 91.96 ng

RT: 7.31 min Scan# 761

Delta R.T. -0.01 min

Lab File: BG021090.D

Acq: 26 Feb 2016 22:46

Instrument :

BNA\_G

ClientSampleId :

S5

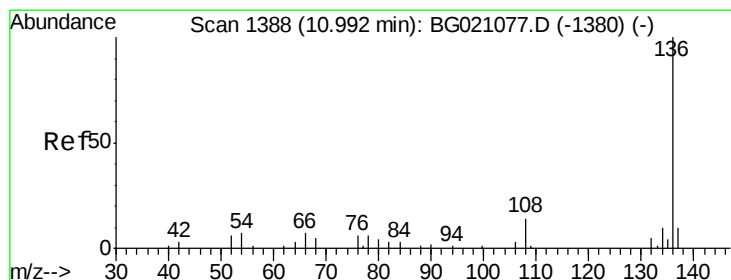
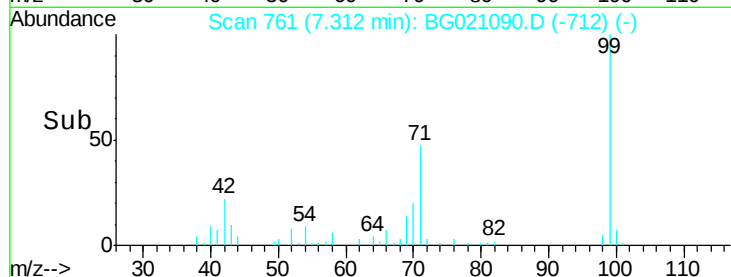
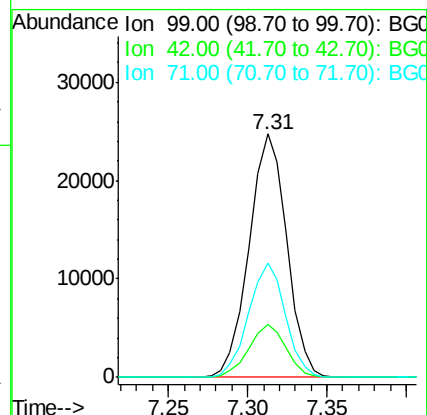
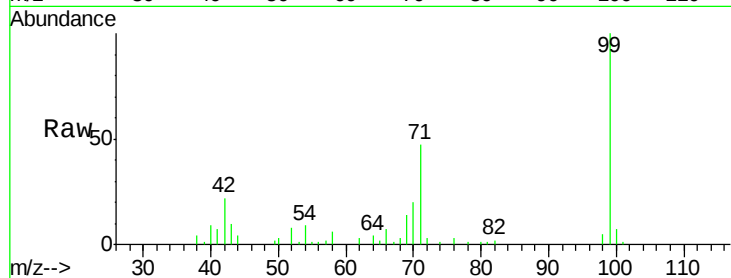
Tgt Ion: 99 Resp: 40739

Ion Ratio Lower Upper

99 100

42 21.7 13.2 19.8#

71 47.0 25.2 37.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.98 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BG021090.D

Acq: 26 Feb 2016 22:46

Tgt Ion: 136 Resp: 21797

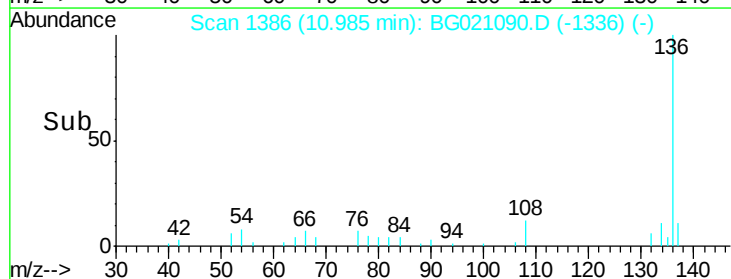
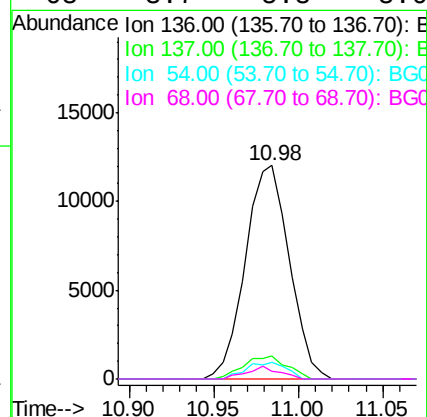
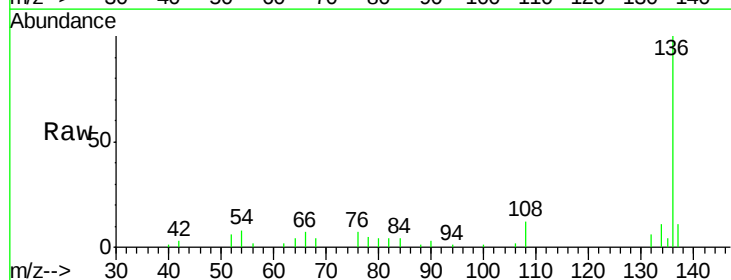
Ion Ratio Lower Upper

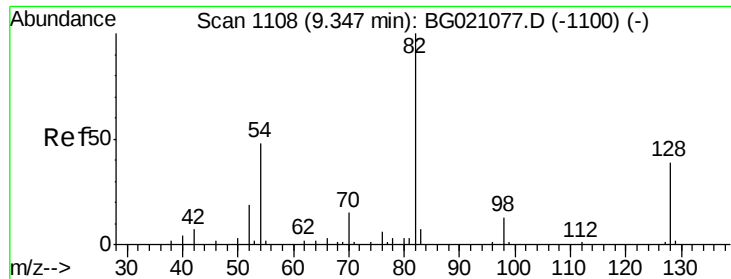
136 100

137 10.8 8.8 13.2

54 7.7 6.9 10.3

68 3.7 5.8 8.6#

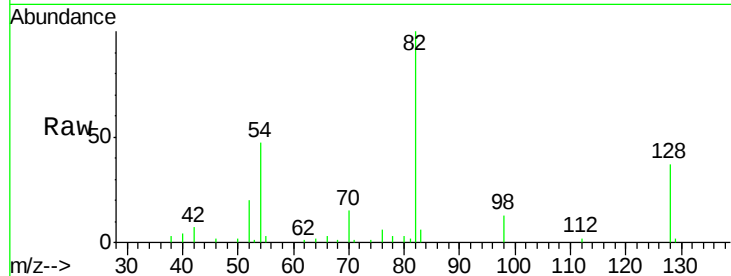




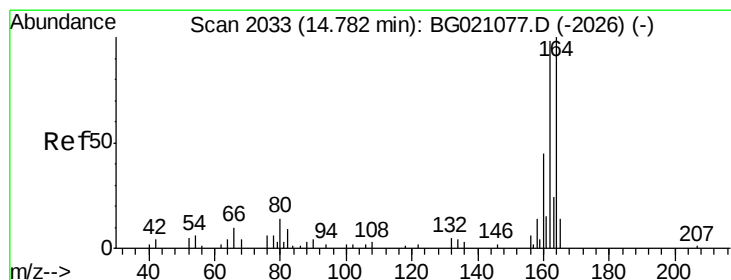
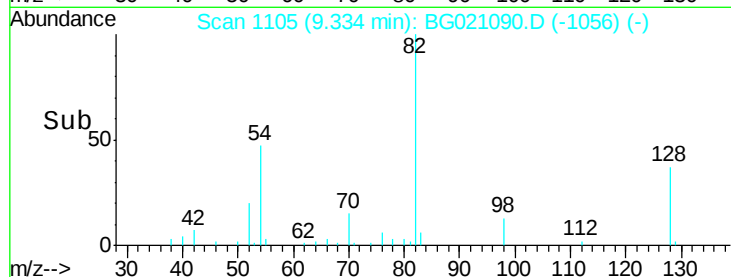
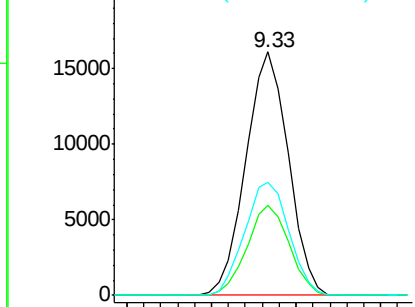
#23  
 Nitrobenzene-d5  
 Concen: 61.31 ng  
 RT: 9.33 min Scan# 1105  
 Delta R.T. -0.01 min  
 Lab File: BG021090.D  
 Acq: 26 Feb 2016 22:46

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S5

Tgt Ion: 82 Resp: 28048  
 Ion Ratio Lower Upper  
 82 100  
 128 37.0 36.3 54.5  
 54 46.7 37.6 56.4

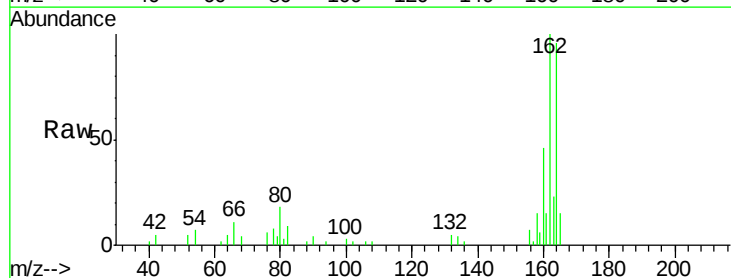


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

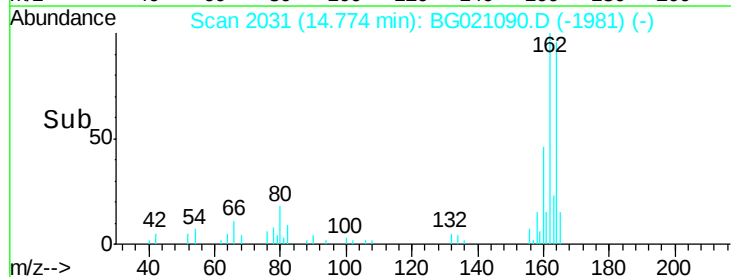
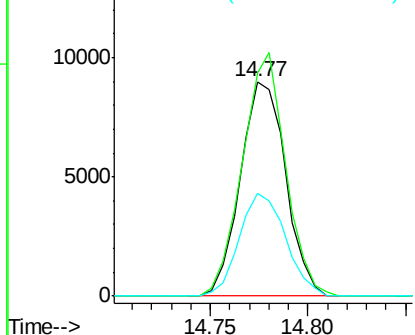


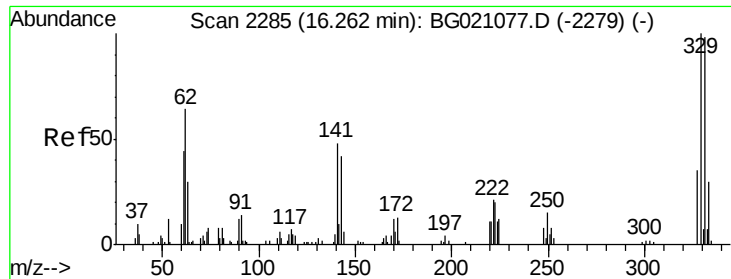
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.77 min Scan# 2031  
 Delta R.T. -0.01 min  
 Lab File: BG021090.D  
 Acq: 26 Feb 2016 22:46

Tgt Ion: 164 Resp: 14415  
 Ion Ratio Lower Upper  
 164 100  
 162 104.3 80.6 120.8  
 160 47.9 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC

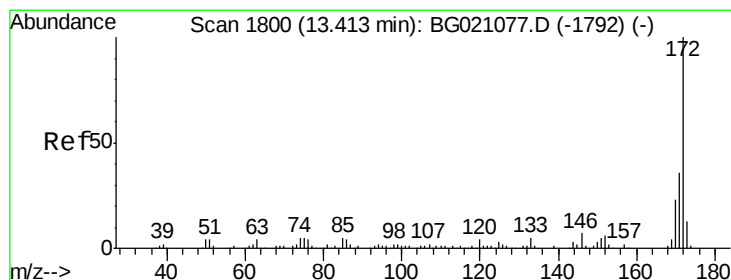
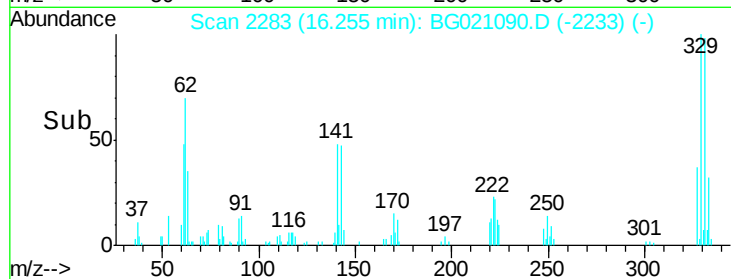
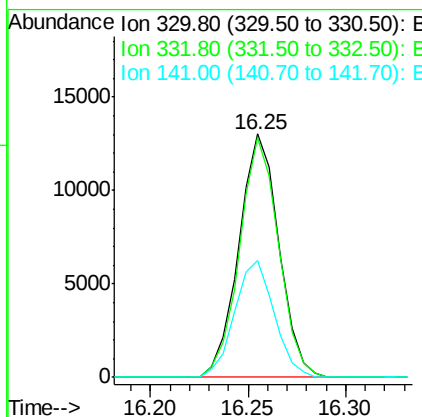
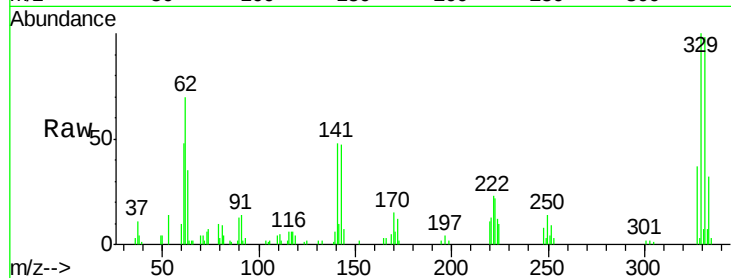




#41  
 2,4,6-Tribromophenol  
 Concen: 97.85 ng  
 RT: 16.25 min Scan# 2283  
 Delta R.T. -0.01 min  
 Lab File: BG021090.D  
 Acq: 26 Feb 2016 22:46

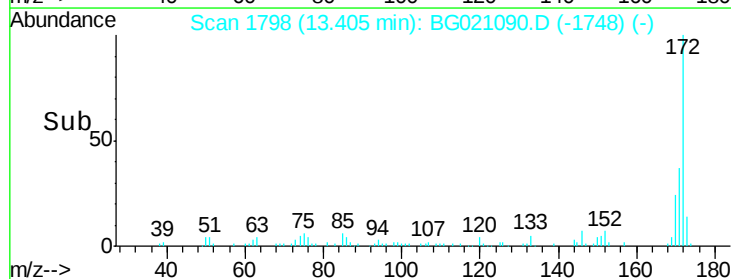
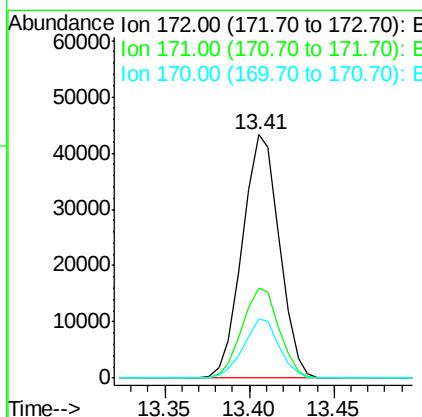
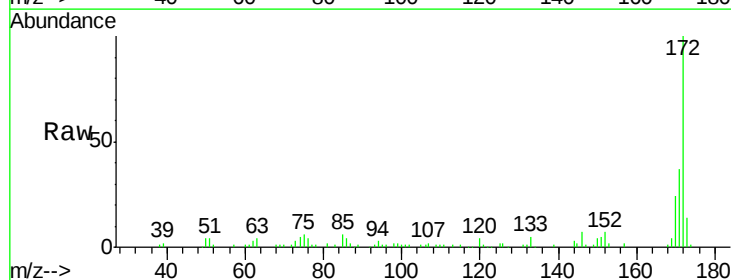
Instrument :  
 BNA\_G  
 ClientSampleId :  
 S5

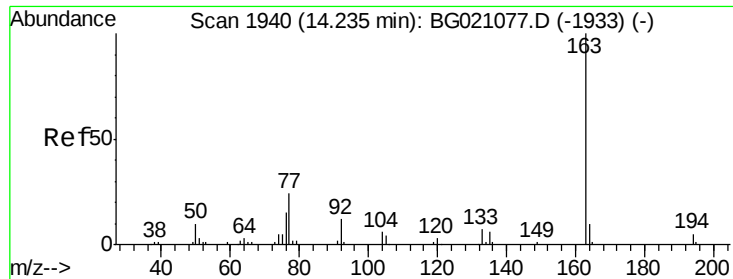
Tgt Ion:330 Resp: 18494  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 77.4 116.0  
 141 47.4 35.3 52.9



#44  
 2-Fluorobiphenyl  
 Concen: 58.76 ng  
 RT: 13.41 min Scan# 1798  
 Delta R.T. -0.01 min  
 Lab File: BG021090.D  
 Acq: 26 Feb 2016 22:46

Tgt Ion:172 Resp: 66191  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 29.4 44.0  
 170 24.2 19.8 29.8





#49

Dimethylphthalate

Concen: 6.78 ng

RT: 14.22 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG021090.D

Acq: 26 Feb 2016 22:46

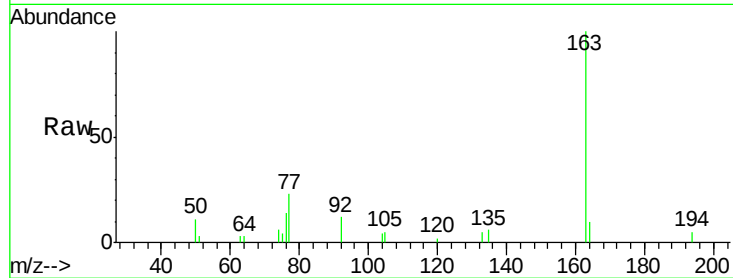
Instrument :

BNA\_G

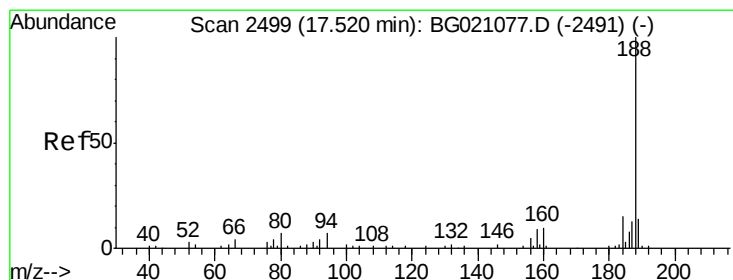
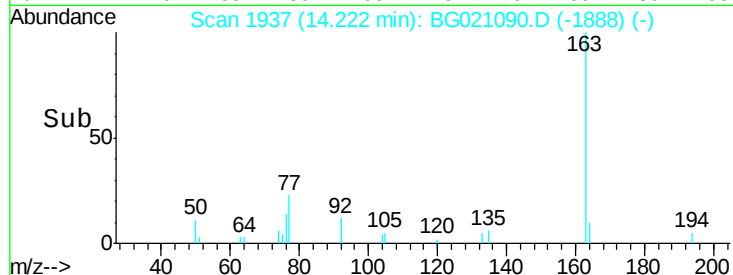
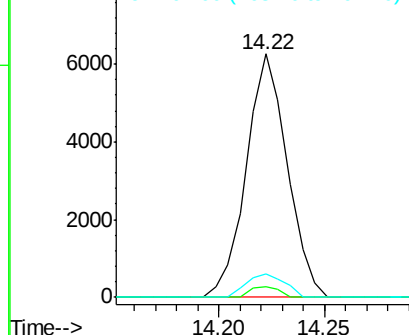
ClientSampleId :

S5

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 163   | Resp: | 8421  |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 4.5   | 2.8   | 4.2#  |
| 164      | 9.8   | 7.9   | 11.9  |



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

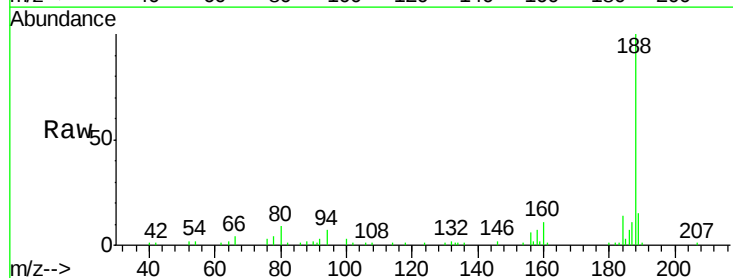
RT: 17.51 min Scan# 2497

Delta R.T. -0.01 min

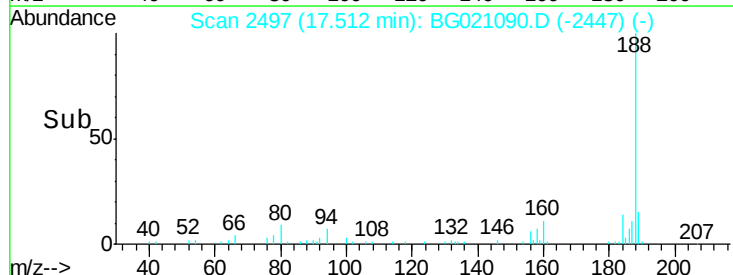
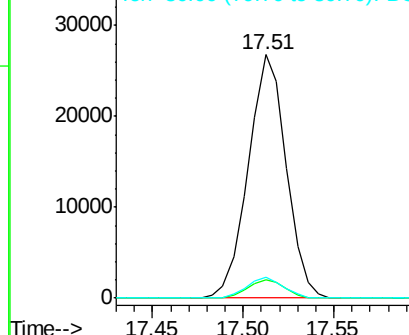
Lab File: BG021090.D

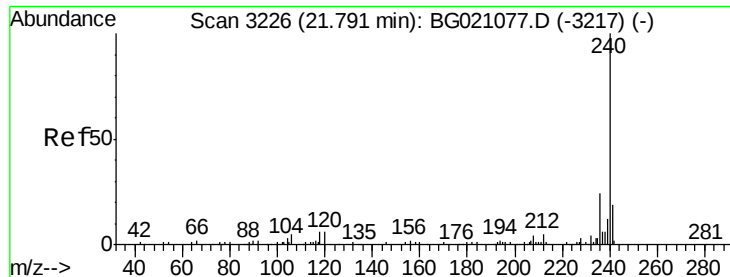
Acq: 26 Feb 2016 22:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 38801 |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 7.5   | 8.2   | 12.4# |
| 80       | 8.5   | 9.2   | 13.8# |



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.78 min Scan# 3223

Delta R.T. -0.01 min

Lab File: BG021090.D

Acq: 26 Feb 2016 22:46

Instrument :

BNA\_G

ClientSampleId :

S5

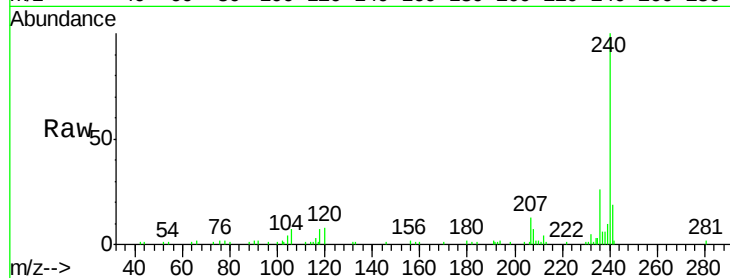
Tgt Ion:240 Resp: 48255

Ion Ratio Lower Upper

240 100

120 8.4 7.5 11.3

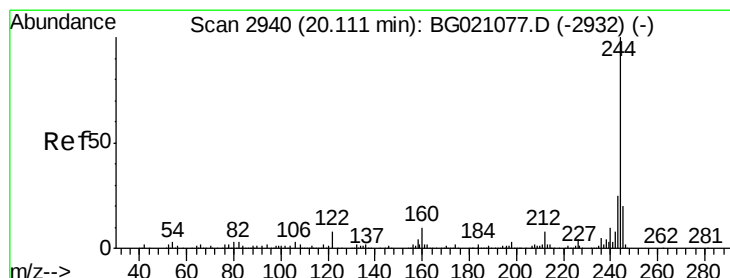
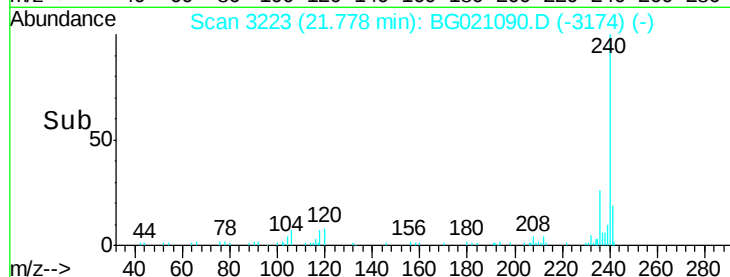
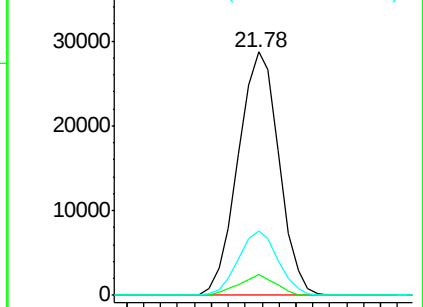
236 26.3 20.5 30.7



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: 64.98 ng

RT: 20.10 min Scan# 2938

Delta R.T. -0.01 min

Lab File: BG021090.D

Acq: 26 Feb 2016 22:46

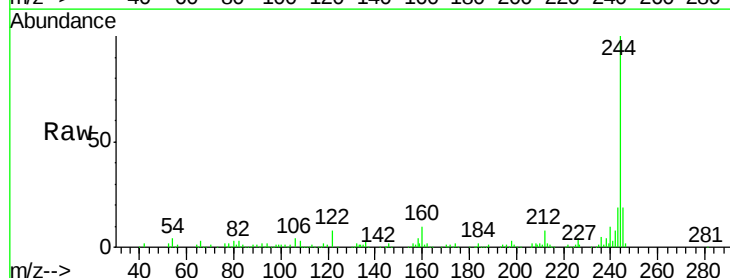
Tgt Ion:244 Resp: 134172

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.6

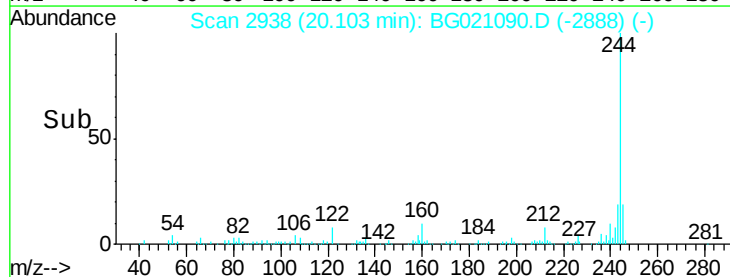
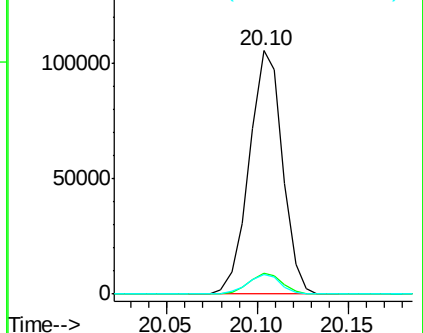
122 8.3 8.3 12.5#

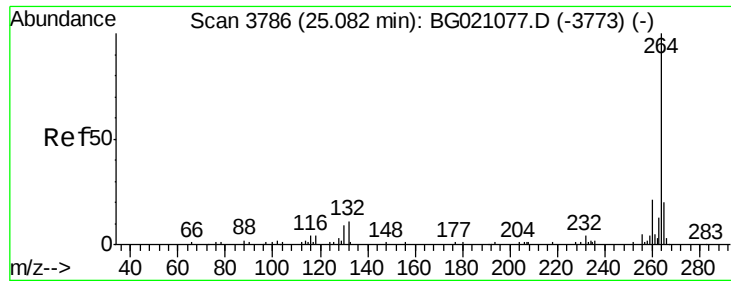


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.07 min Scan# 3783  
Delta R.T. -0.01 min  
Lab File: BG021090.D  
Acq: 26 Feb 2016 22:46

Instrument :  
BNA\_G  
ClientSampleId :  
S5

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 264   | Resp: | 44051 |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 23.2  | 18.5  | 27.7  |
| 265      | 20.6  | 18.6  | 28.0  |

