

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG022716\  
 Data File : BG021107.D  
 Acq On : 27 Feb 2016 9:53  
 Operator : UM/SJ  
 Sample : H1558-16  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-18

Quant Time: Feb 29 00:13:06 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

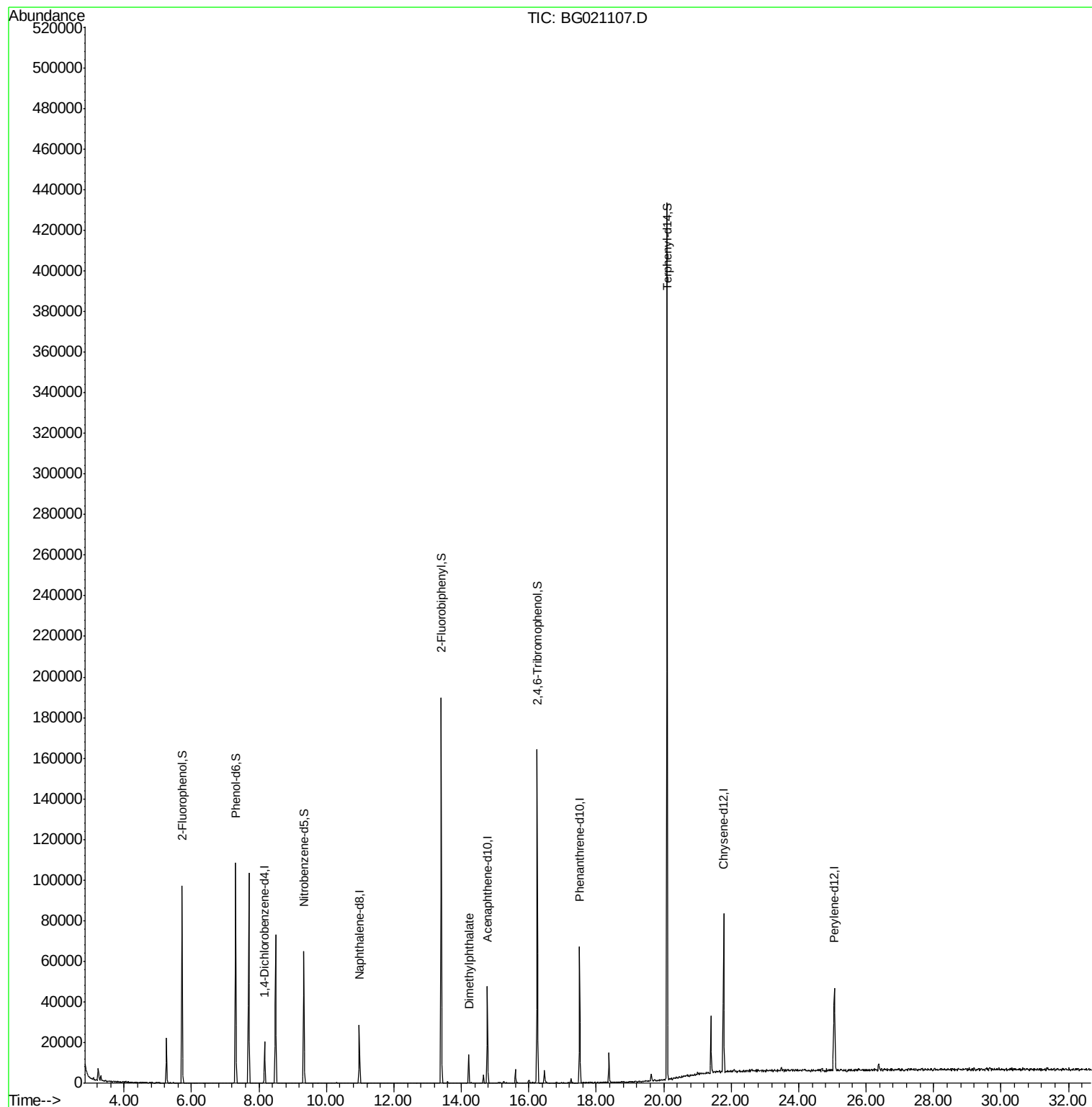
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 5543     | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.98 | 136  | 24571    | 20.00  | ng    | -0.02          |
| 38) Acenaphthene-d10        | 14.77 | 164  | 16038    | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.51 | 188  | 40798    | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.77 | 240  | 49460    | 20.00  | ng    | -0.02          |
| 86) Perylene-d12            | 25.06 | 264  | 45282    | 20.00  | ng    | -0.02          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.72  | 112  | 38406    | 121.30 | ng    | 0.00           |
| 7) Phenol-d6                | 7.31  | 99   | 57917    | 122.93 | ng    | -0.02          |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 40290    | 78.13  | ng    | -0.02          |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 23134    | 110.02 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.40 | 172  | 90336    | 72.08  | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.10 | 244  | 173902   | 82.17  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 14.22 | 163  | 9210     | 6.66   | ng    | Qvalue<br># 94 |

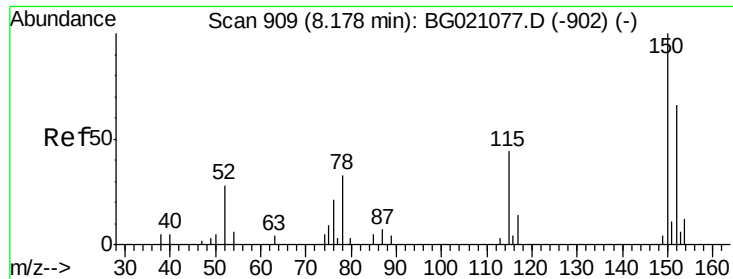
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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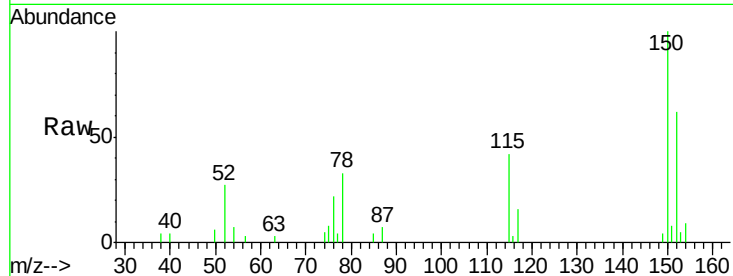




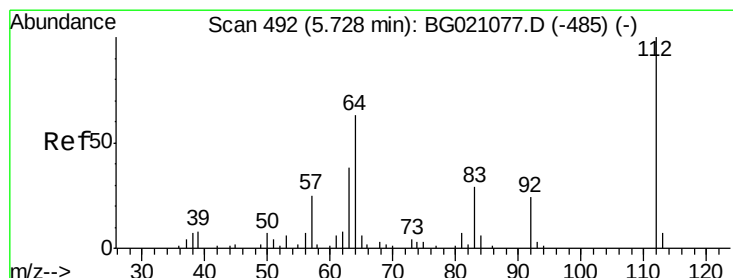
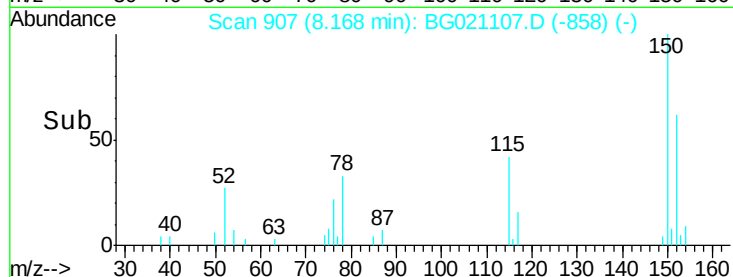
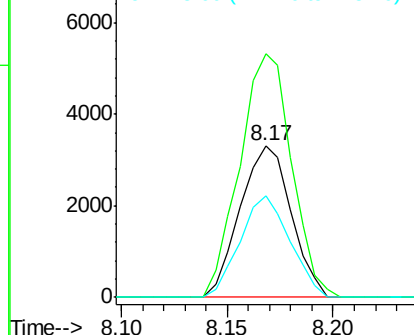
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.17 min Scan# 907  
 Delta R.T. -0.01 min  
 Lab File: BG021107.D  
 Acq: 27 Feb 2016 9:53

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-18

Tgt Ion:152 Resp: 5543  
 Ion Ratio Lower Upper  
 152 100  
 150 160.5 123.4 185.2  
 115 66.8 43.3 64.9#

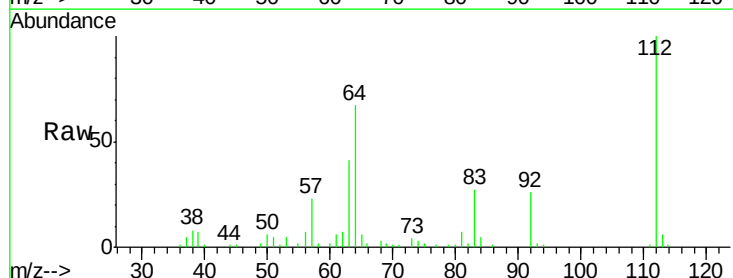


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

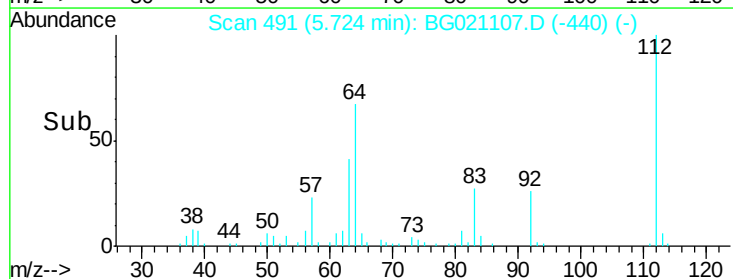
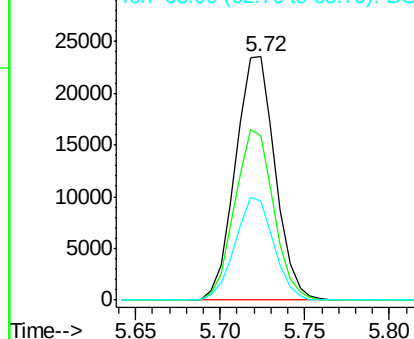


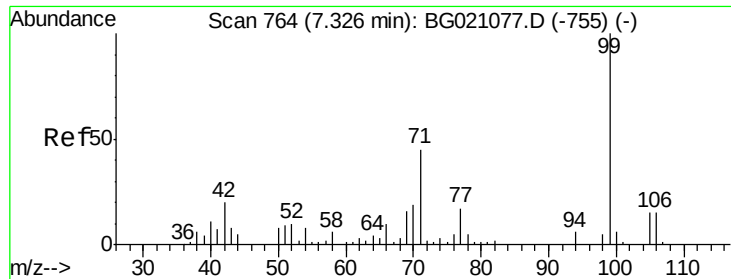
#5  
 2-Fluorophenol  
 Concen: 121.30 ng  
 RT: 5.72 min Scan# 491  
 Delta R.T. -0.00 min  
 Lab File: BG021107.D  
 Acq: 27 Feb 2016 9:53

Tgt Ion:112 Resp: 38406  
 Ion Ratio Lower Upper  
 112 100  
 64 67.5 42.6 63.8#  
 63 40.9 21.7 32.5#



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: 122.93 ng

RT: 7.31 min Scan# 761

Delta R.T. -0.02 min

Lab File: BG021107.D

Acq: 27 Feb 2016 9:53

Instrument :

BNA\_G

ClientSampleId :

S-18

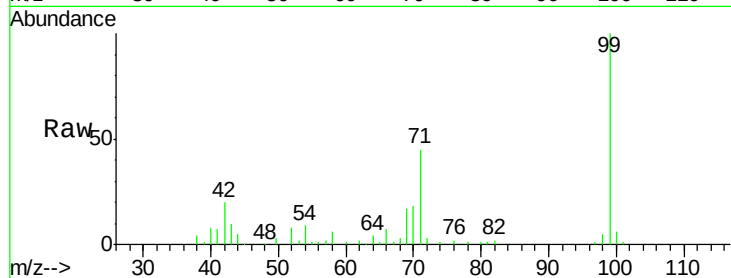
Tgt Ion: 99 Resp: 57917

Ion Ratio Lower Upper

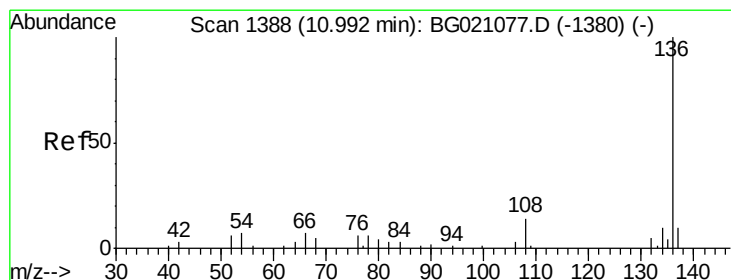
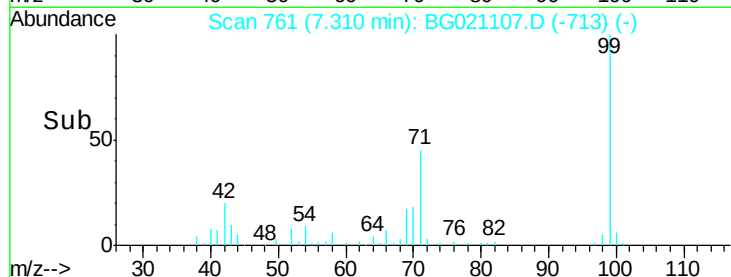
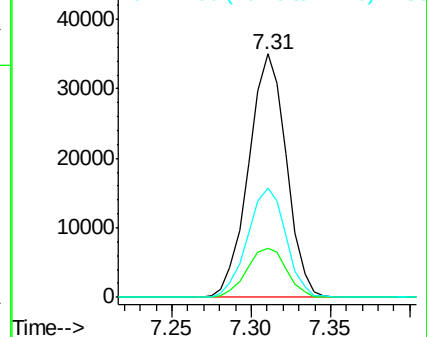
99 100

42 20.4 13.2 19.8#

71 44.8 25.2 37.8#



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: 10.98 min Scan# 1385

Delta R.T. -0.02 min

Lab File: BG021107.D

Acq: 27 Feb 2016 9:53

Tgt Ion: 136 Resp: 24571

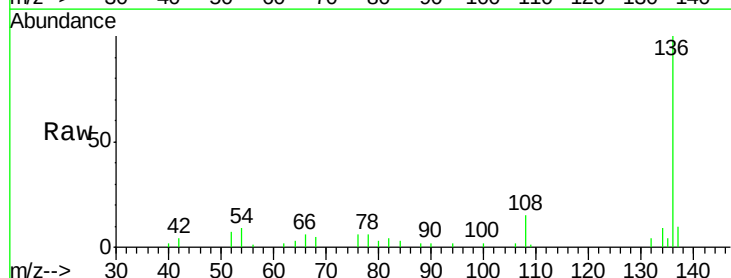
Ion Ratio Lower Upper

136 100

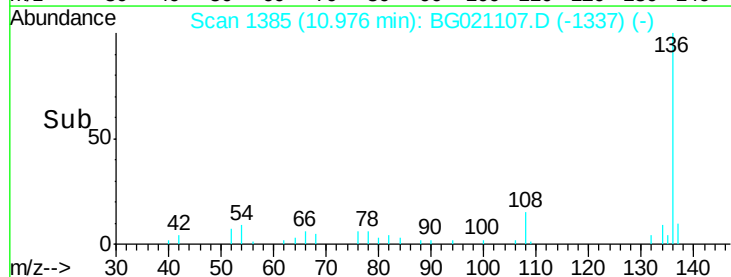
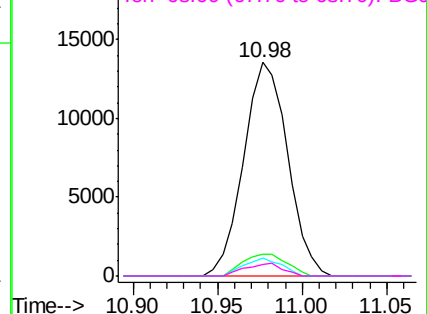
137 10.2 8.8 13.2

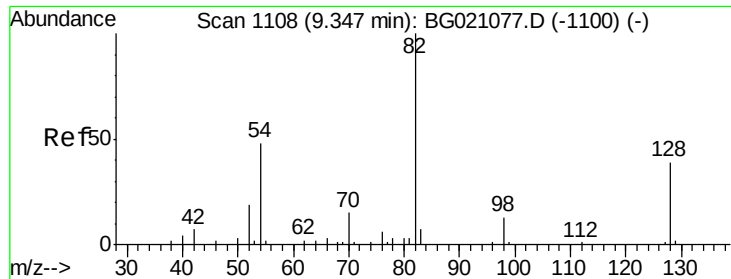
54 8.6 6.9 10.3

68 5.3 5.8 8.6#



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

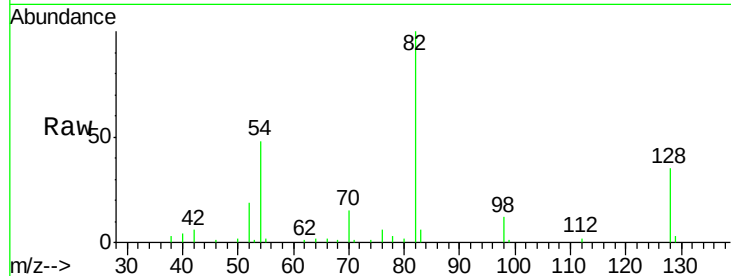




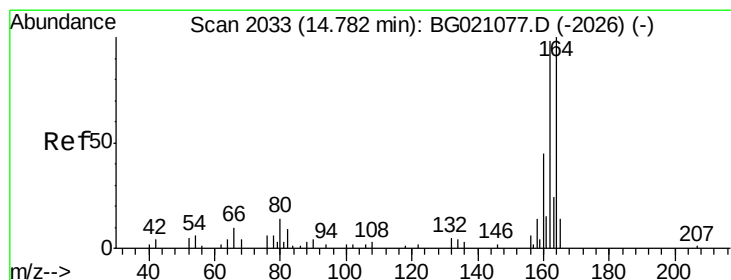
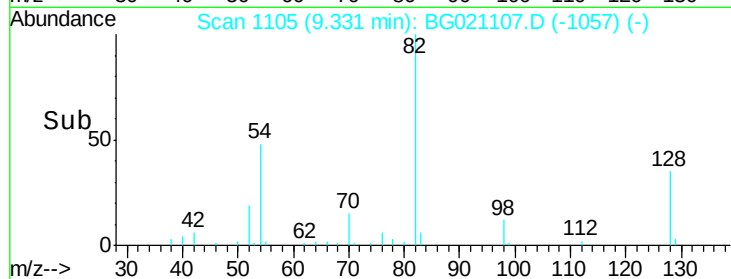
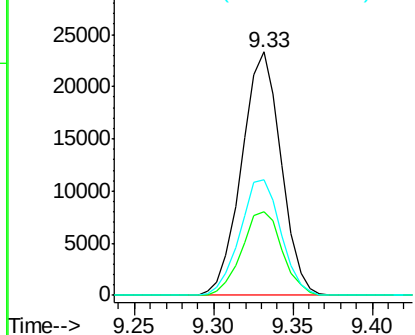
#23  
 Nitrobenzene-d5  
 Concen: 78.13 ng  
 RT: 9.33 min Scan# 1105  
 Delta R.T. -0.02 min  
 Lab File: BG021107.D  
 Acq: 27 Feb 2016 9:53

Instrument :  
 BNA\_G  
 ClientSampleId :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 34.6  | 36.3  | 54.5# |
| 54      | 47.6  | 37.6  | 56.4  |

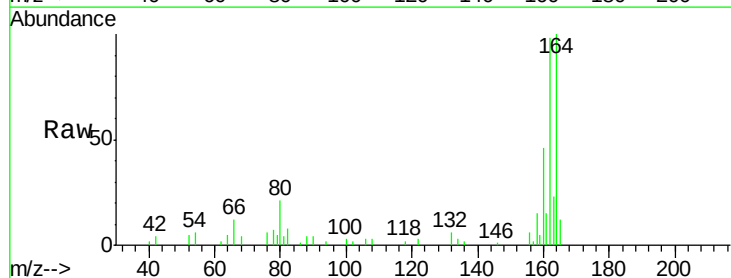


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

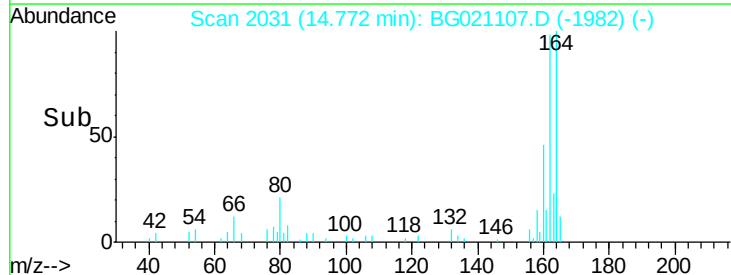
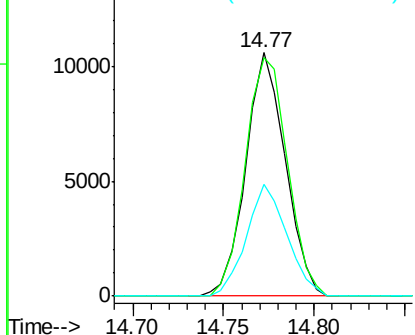


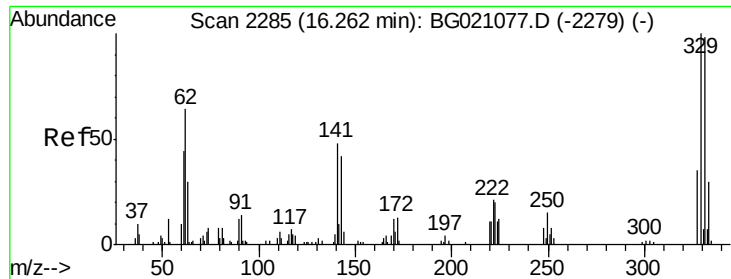
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.77 min Scan# 2031  
 Delta R.T. -0.01 min  
 Lab File: BG021107.D  
 Acq: 27 Feb 2016 9:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.0  | 80.6  | 120.8 |
| 160     | 45.7  | 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

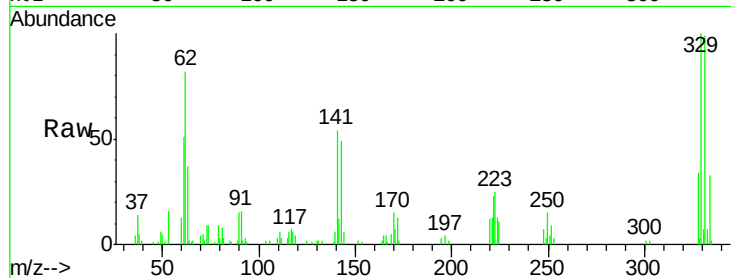




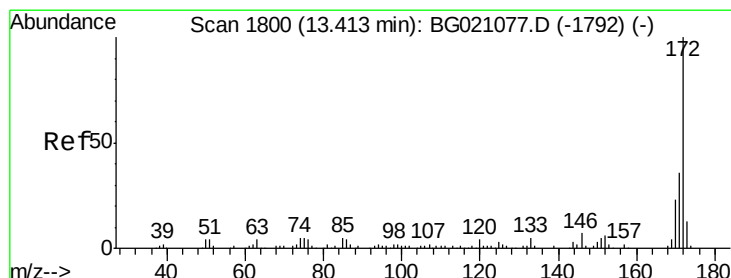
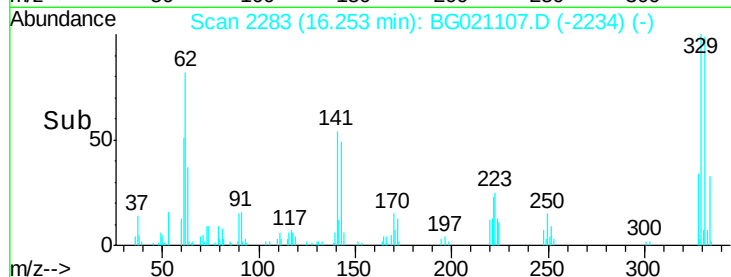
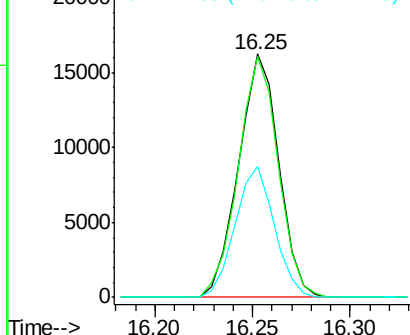
#41  
 2,4,6-Tribromophenol  
 Concen: 110.02 ng  
 RT: 16.25 min Scan# 2283  
 Delta R.T. -0.01 min  
 Lab File: BG021107.D  
 Acq: 27 Feb 2016 9:53

Instrument :  
 BNA\_G  
 ClientSampled :  
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Tgt Ion:330 Resp: 23134  
 Ion Ratio Lower Upper  
 330 100  
 332 98.2 77.4 116.0  
 141 52.3 35.3 52.9

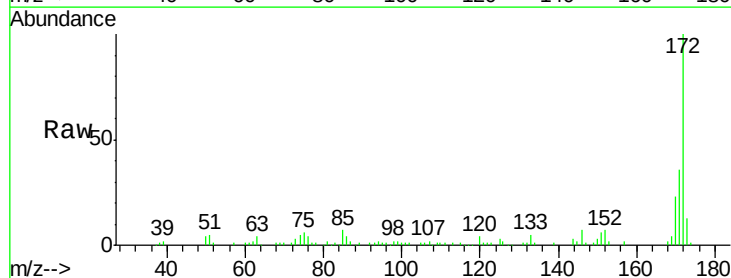


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

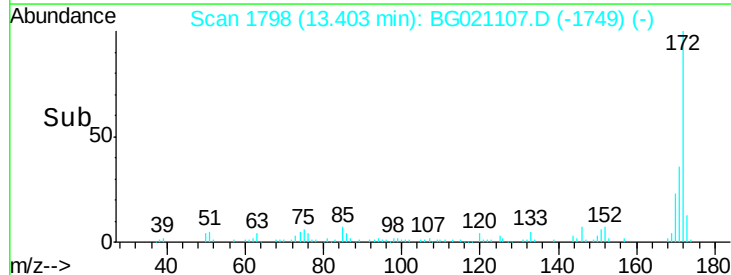
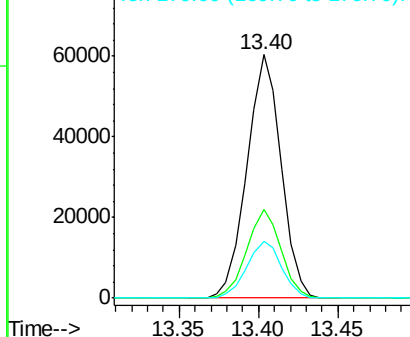


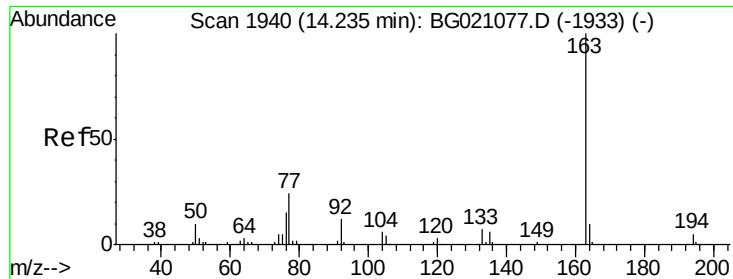
#44  
 2-Fluorobiphenyl  
 Concen: 72.08 ng  
 RT: 13.40 min Scan# 1798  
 Delta R.T. -0.01 min  
 Lab File: BG021107.D  
 Acq: 27 Feb 2016 9:53

Tgt Ion:172 Resp: 90336  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.4 44.0  
 170 23.3 19.8 29.8



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: 6.66 ng

RT: 14.22 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG021107.D

Acq: 27 Feb 2016 9:53

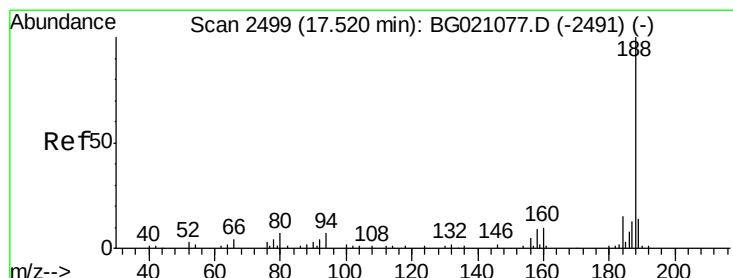
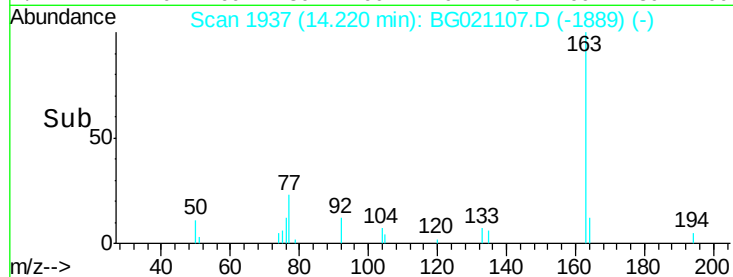
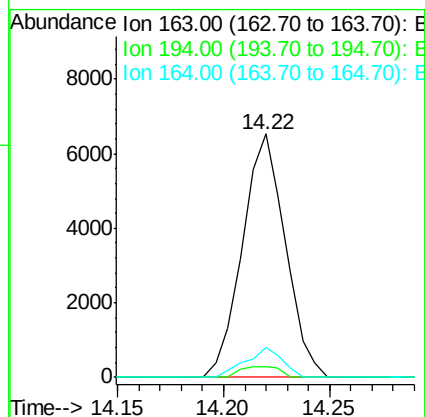
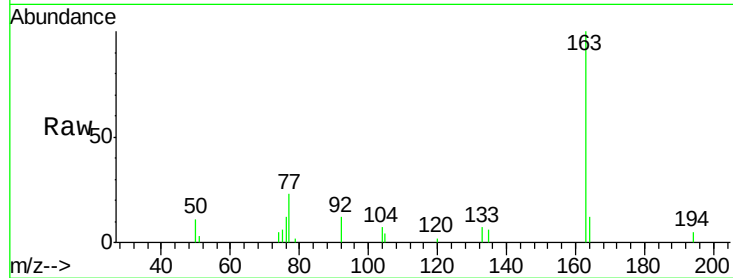
Instrument :

BNA\_G

ClientSampleId :

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 163   | Resp: | 9210  |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 4.6   | 2.8   | 4.2#  |
| 164      | 12.4  | 7.9   | 11.9# |



#63

Phenanthrene-d10

Concen: 20.00 ng

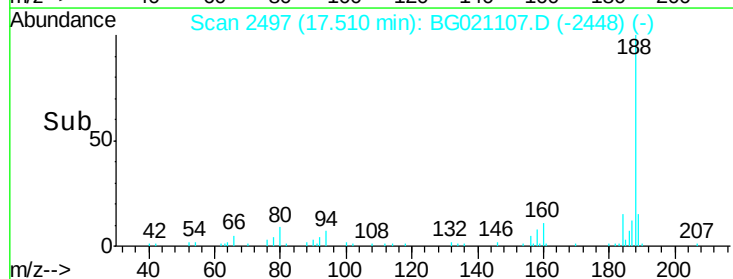
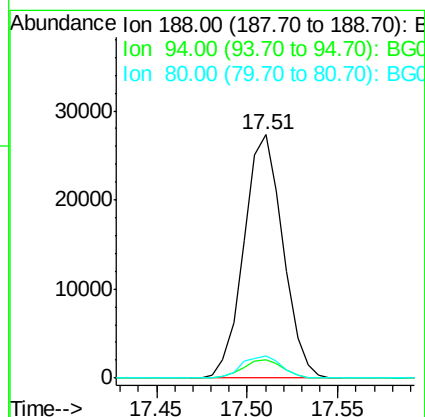
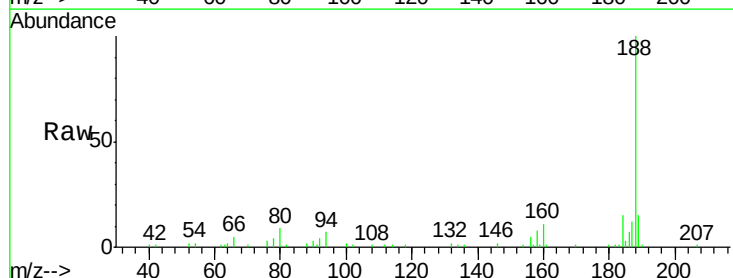
RT: 17.51 min Scan# 2497

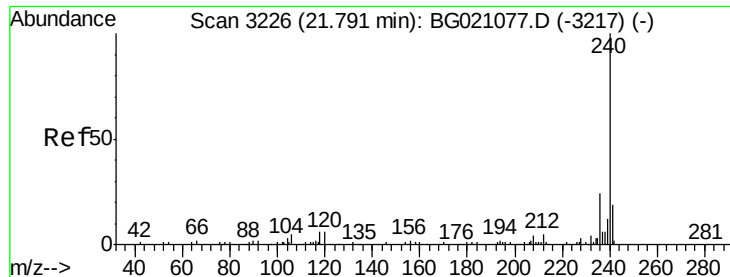
Delta R.T. -0.01 min

Lab File: BG021107.D

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 40798 |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 7.3   | 8.2   | 12.4# |
| 80       | 9.2   | 9.2   | 13.8# |

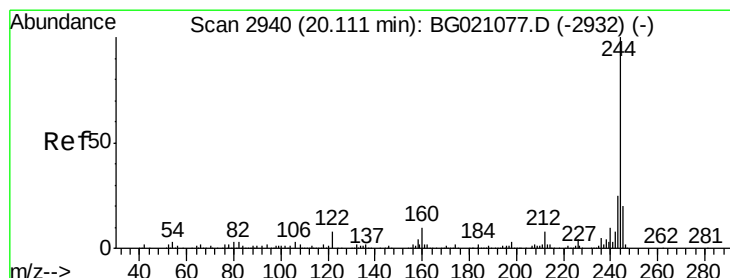
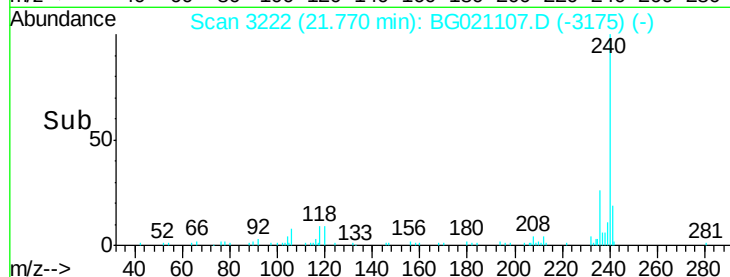
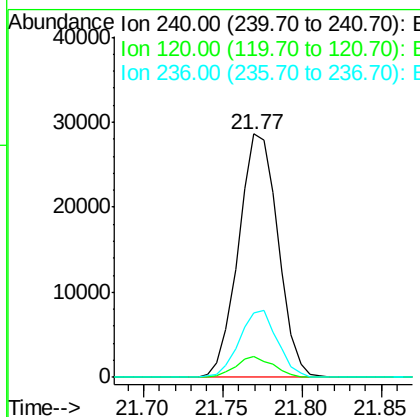
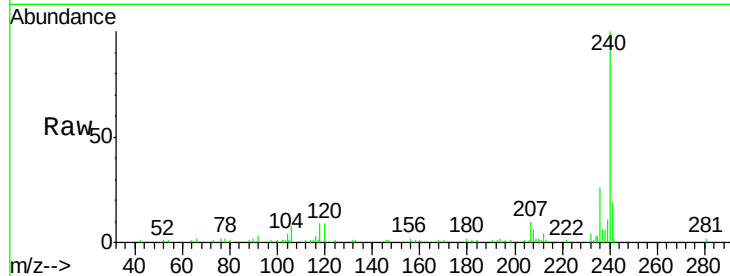




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.77 min Scan# 3222  
Delta R.T. -0.02 min  
Lab File: BG021107.D  
Acq: 27 Feb 2016 9:53

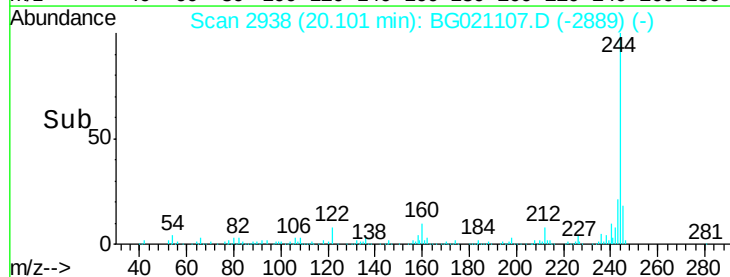
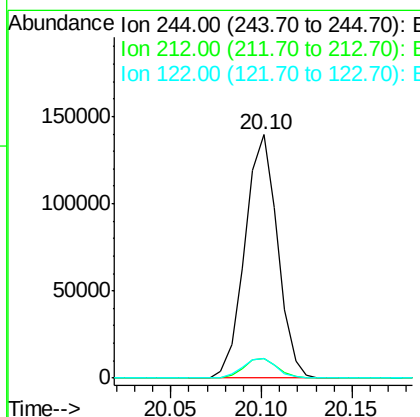
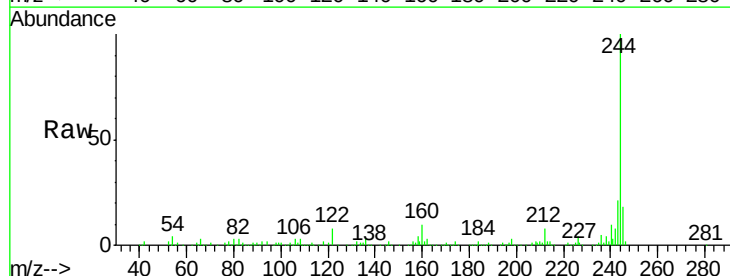
Instrument :  
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Tgt Ion:240 Resp: 49460  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.5 11.3  
236 26.2 20.5 30.7

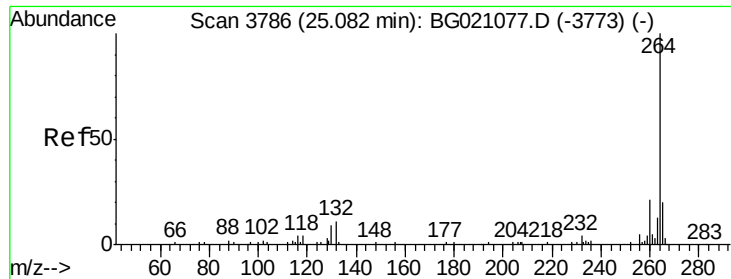


#78  
Terphenyl-d14  
Concen: 82.17 ng  
RT: 20.10 min Scan# 2938  
Delta R.T. -0.01 min  
Lab File: BG021107.D  
Acq: 27 Feb 2016 9:53

Tgt Ion:244 Resp: 173902  
Ion Ratio Lower Upper  
244 100  
212 8.1 5.8 8.6  
122 8.2 8.3 12.5#







#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.06 min Scan# 3782  
Delta R.T. -0.02 min  
Lab File: BG021107.D  
Acq: 27 Feb 2016 9:53

Instrument :  
BNA\_G  
ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 264   | Resp: | 45282 |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 24.2  | 18.5  | 27.7  |
| 265      | 21.1  | 18.6  | 28.0  |

