

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG022716\  
 Data File : BG021120.D  
 Acq On : 27 Feb 2016 18:23  
 Operator : UM/SJ  
 Sample : H1565-02  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CEB-2(12-14)20160223

Quant Time: Feb 29 00:18:04 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

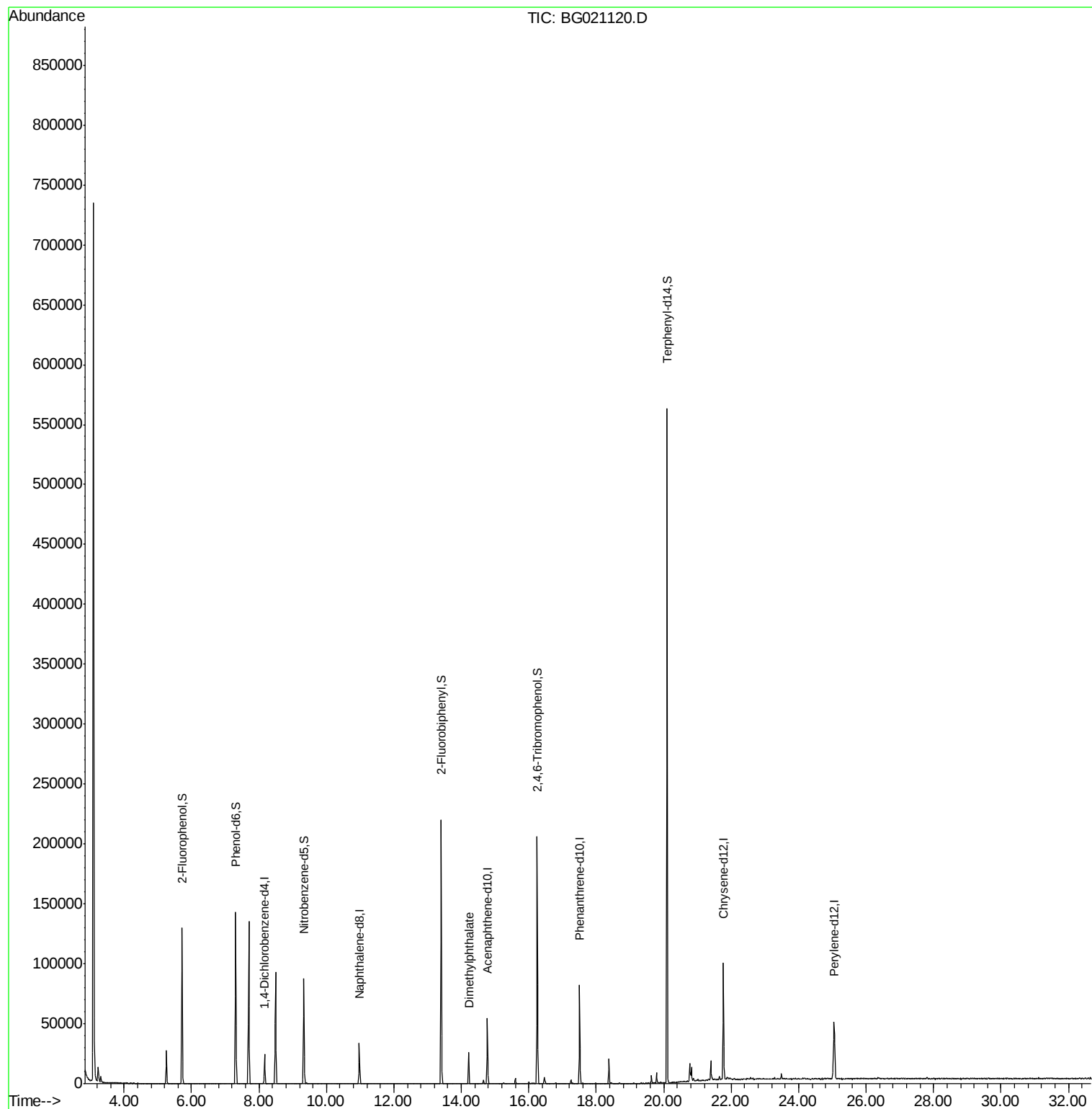
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 6132     | 20.00  | ng    | -0.01        |
| 21) Naphthalene-d8          | 10.98 | 136  | 27866    | 20.00  | ng    | -0.02        |
| 38) Acenaphthene-d10        | 14.77 | 164  | 17834    | 20.00  | ng    | -0.01        |
| 63) Phenanthrene-d10        | 17.51 | 188  | 47951    | 20.00  | ng    | -0.01        |
| 75) Chrysene-d12            | 21.77 | 240  | 57575    | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 25.05 | 264  | 52276    | 20.00  | ng    | -0.03        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.72  | 112  | 49181    | 140.42 | ng    | 0.00         |
| 7) Phenol-d6                | 7.31  | 99   | 77864    | 149.39 | ng    | -0.02        |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 54308    | 92.86  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 28354    | 121.26 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 13.40 | 172  | 104189   | 74.76  | ng    | -0.01        |
| 78) Terphenyl-d14           | 20.10 | 244  | 212130   | 86.11  | ng    | -0.01        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.22 | 163  | 15703    | 10.22  | ng    | Qvalue<br>99 |

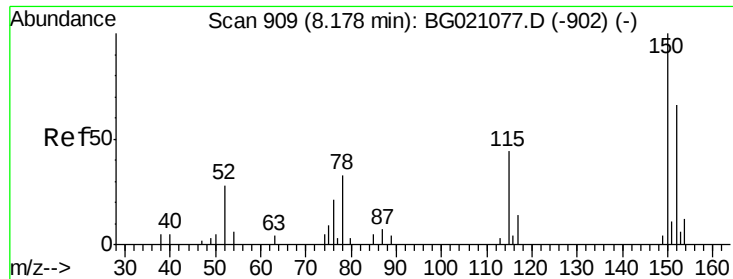
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG022716\  
Data File : BG021120.D  
Acq On : 27 Feb 2016 18:23  
Operator : UM/SJ  
Sample : H1565-02  
Misc :  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CEB-2(12-14)20160223

Quant Time: Feb 29 00:18:04 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

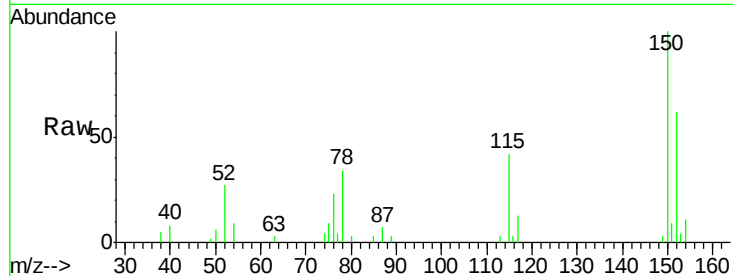




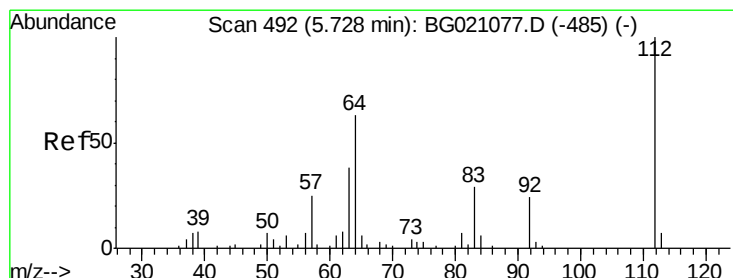
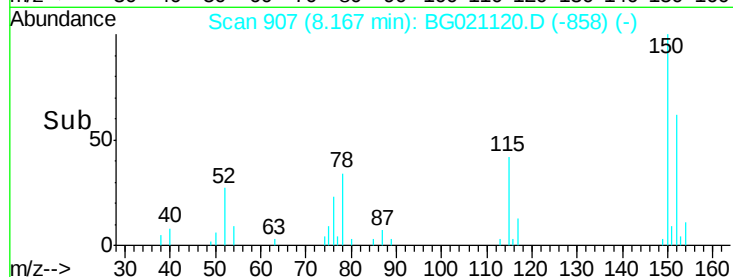
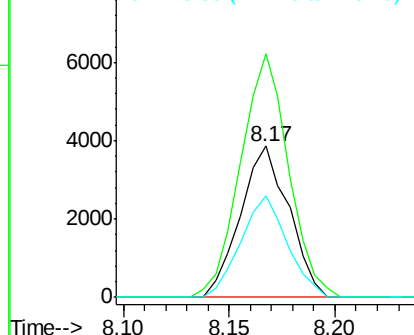
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.17 min Scan# 907  
 Delta R.T. -0.01 min  
 Lab File: BG021120.D  
 Acq: 27 Feb 2016 18:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CEB-2(12-14)20160223

Tgt Ion:152 Resp: 6132  
 Ion Ratio Lower Upper  
 152 100  
 150 160.8 123.4 185.2  
 115 67.0 43.3 64.9#

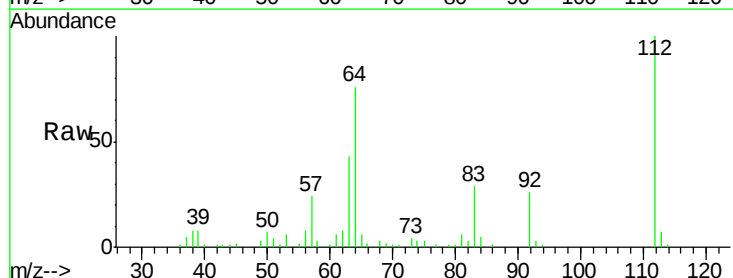


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

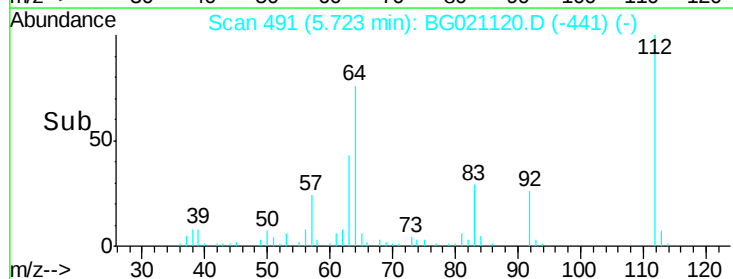
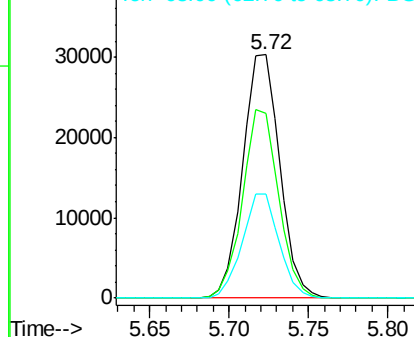


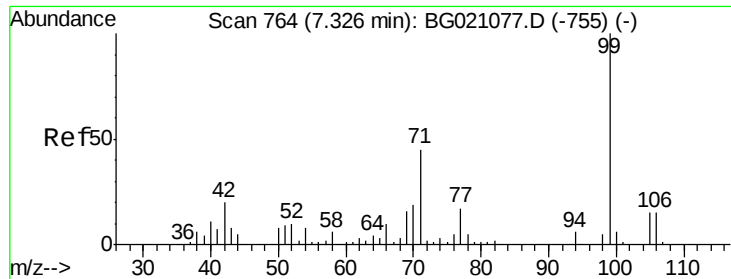
#5  
 2-Fluorophenol  
 Concen: 140.42 ng  
 RT: 5.72 min Scan# 491  
 Delta R.T. -0.00 min  
 Lab File: BG021120.D  
 Acq: 27 Feb 2016 18:23

Tgt Ion:112 Resp: 49181  
 Ion Ratio Lower Upper  
 112 100  
 64 75.7 42.6 63.8#  
 63 42.8 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: 149.39 ng

RT: 7.31 min Scan# 761

Delta R.T. -0.02 min

Lab File: BG021120.D

Acq: 27 Feb 2016 18:23

Instrument :

BNA\_G

ClientSampleId :

CEB-2(12-14)20160223

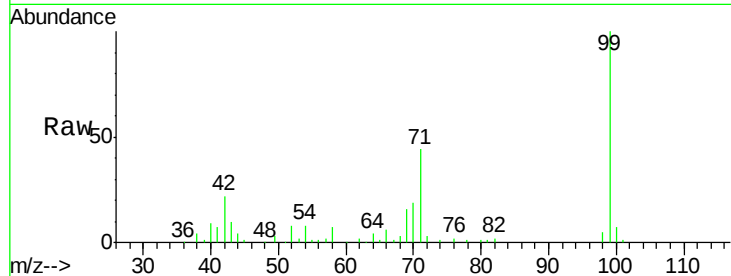
Tgt Ion: 99 Resp: 77864

Ion Ratio Lower Upper

99 100

42 21.5 13.2 19.8#

71 43.9 25.2 37.8#

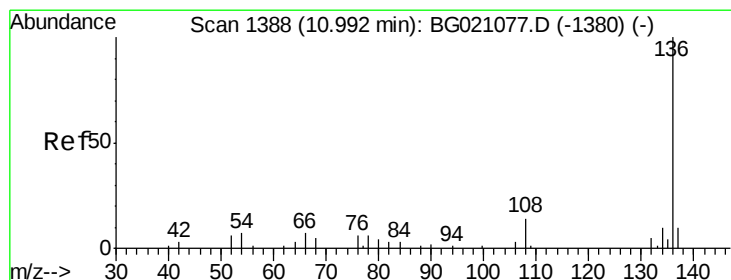
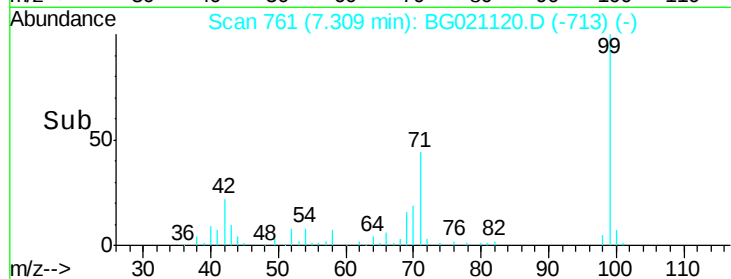
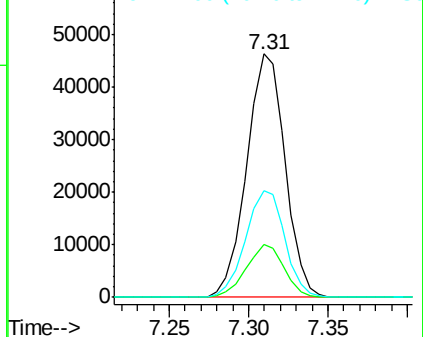


Abundance

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: BG021120.D

Acq: 27 Feb 2016 18:23

Tgt Ion: 136 Resp: 27866

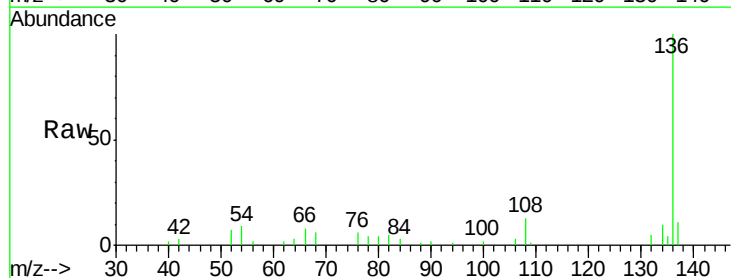
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 9.1 6.9 10.3

68 6.1 5.8 8.6



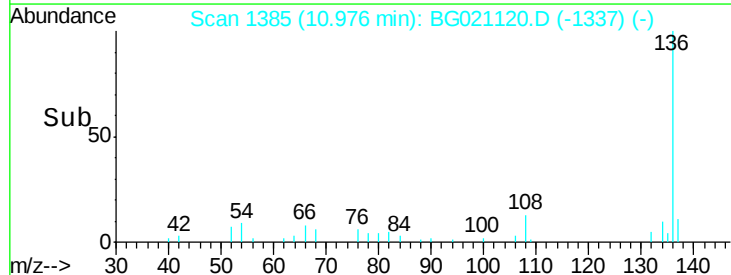
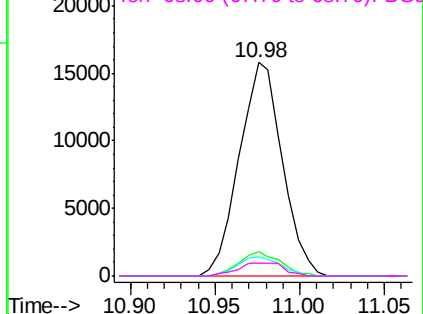
Abundance

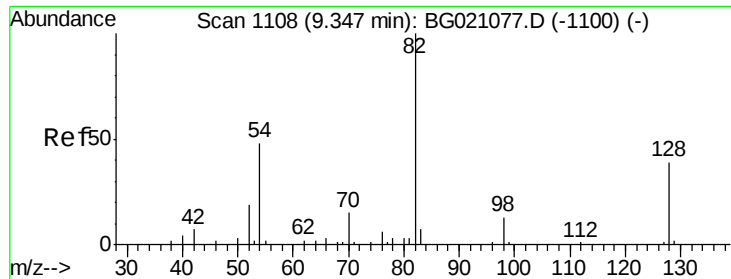
Ion 136.00 (135.70 to 136.70): BGC

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

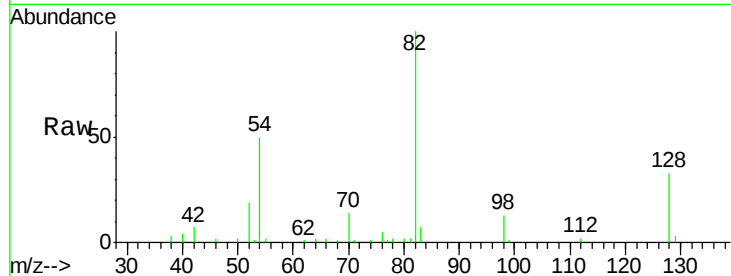




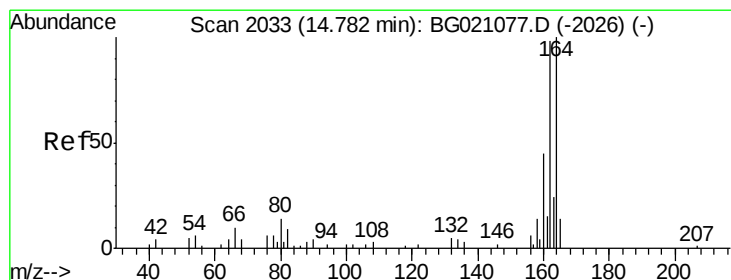
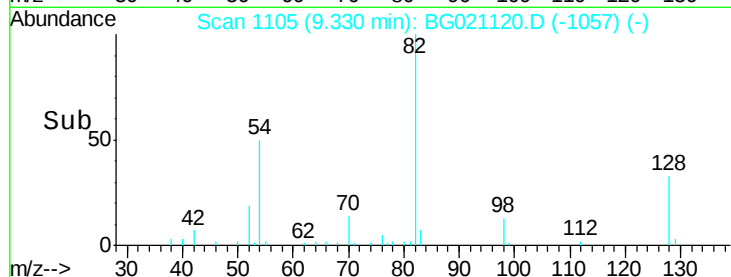
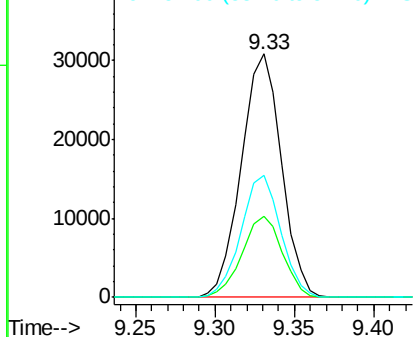
#23  
Nitrobenzene-d5  
Concen: 92.86 ng  
RT: 9.33 min Scan# 1105  
Delta R.T. -0.02 min  
Lab File: BG021120.D  
Acq: 27 Feb 2016 18:23

Instrument :  
BNA\_G  
ClientSampleId :  
CEB-2(12-14)20160223

Tgt Ion: 82 Resp: 54308  
Ion Ratio Lower Upper  
82 100  
128 33.1 36.3 54.5#  
54 50.0 37.6 56.4

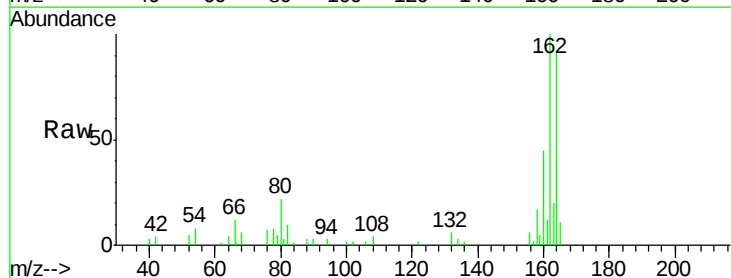


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

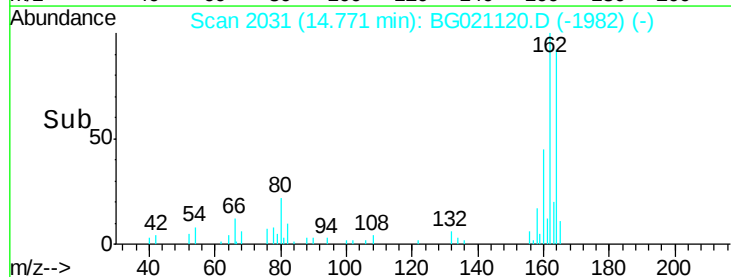
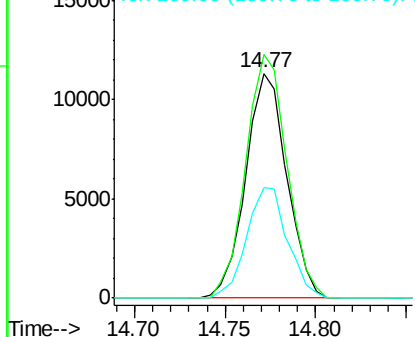


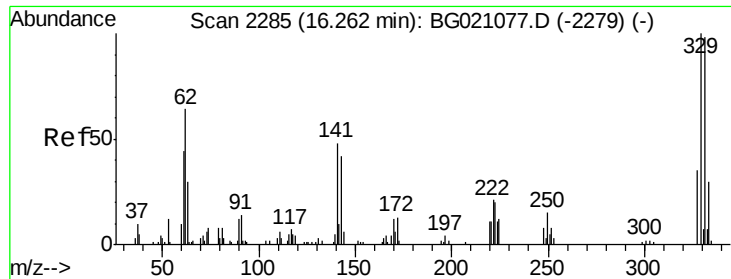
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.77 min Scan# 2031  
Delta R.T. -0.01 min  
Lab File: BG021120.D  
Acq: 27 Feb 2016 18:23

Tgt Ion: 164 Resp: 17834  
Ion Ratio Lower Upper  
164 100  
162 108.2 80.6 120.8  
160 49.0 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

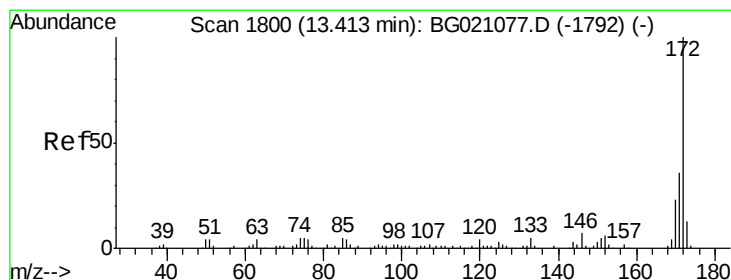
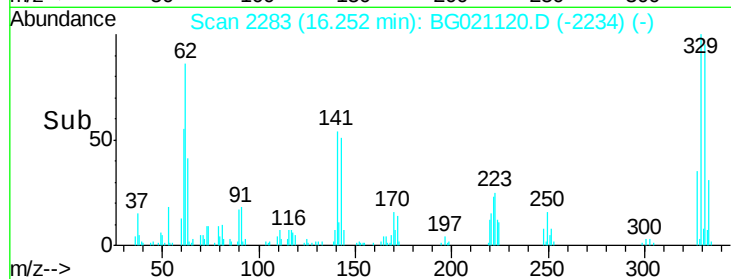
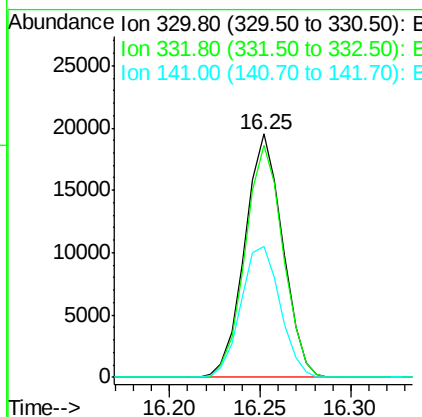
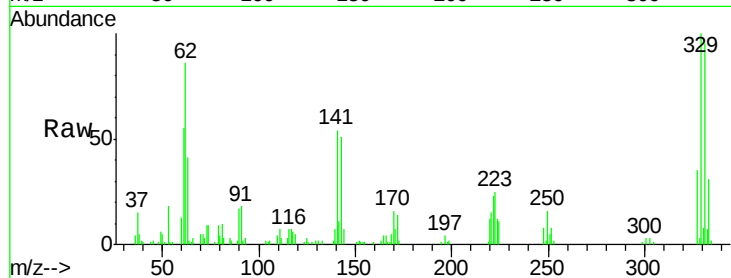




#41  
 2,4,6-Tribromophenol  
 Concen: 121.26 ng  
 RT: 16.25 min Scan# 2283  
 Delta R.T. -0.01 min  
 Lab File: BG021120.D  
 Acq: 27 Feb 2016 18:23

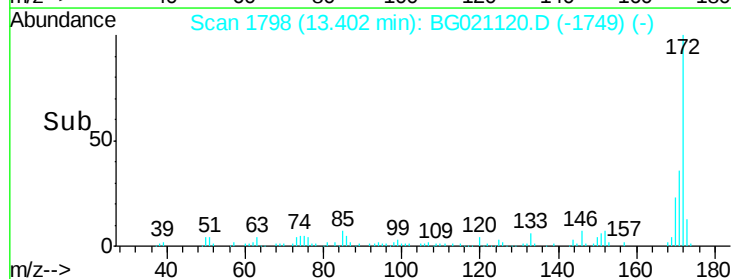
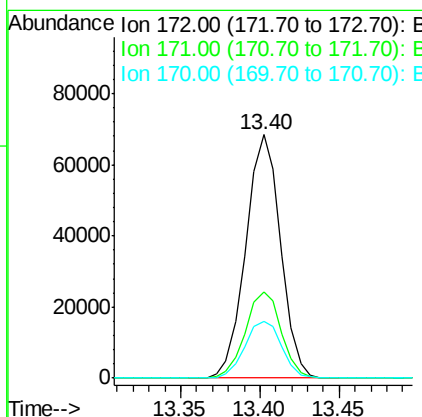
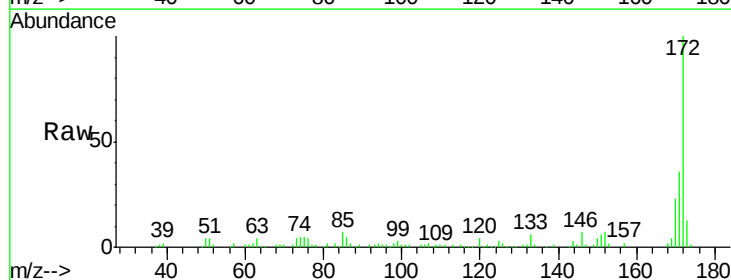
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CEB-2(12-14)20160223

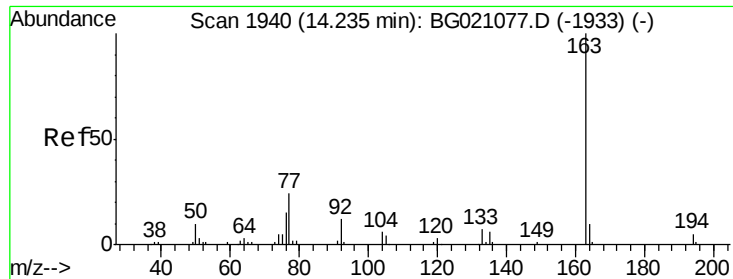
Tgt Ion:330 Resp: 28354  
 Ion Ratio Lower Upper  
 330 100  
 332 95.3 77.4 116.0  
 141 55.9 35.3 52.9#



#44  
 2-Fluorobiphenyl  
 Concen: 74.76 ng  
 RT: 13.40 min Scan# 1798  
 Delta R.T. -0.01 min  
 Lab File: BG021120.D  
 Acq: 27 Feb 2016 18:23

Tgt Ion:172 Resp: 104189  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.4 44.0  
 170 23.0 19.8 29.8





#49

Dimethylphthalate

Concen: 10.22 ng

RT: 14.22 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG021120.D

Acq: 27 Feb 2016 18:23

Instrument :

BNA\_G

ClientSampleId :

CEB-2(12-14)20160223

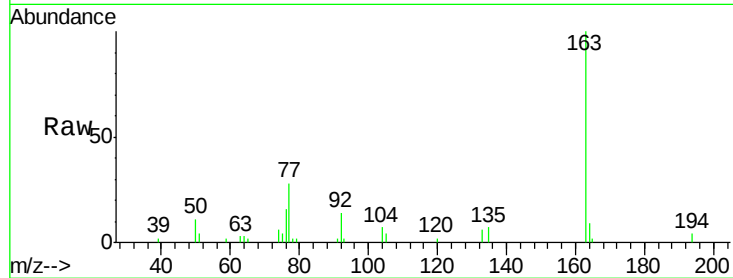
Tgt Ion:163 Resp: 15703

Ion Ratio Lower Upper

163 100

194 4.0 2.8 4.2

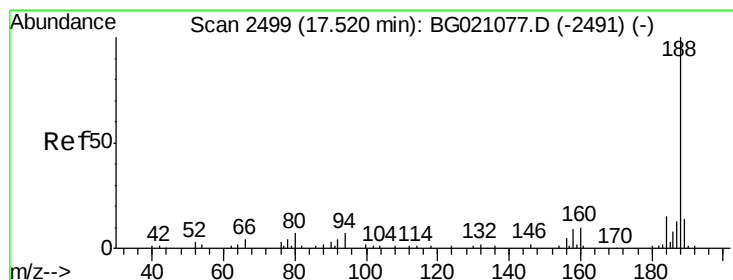
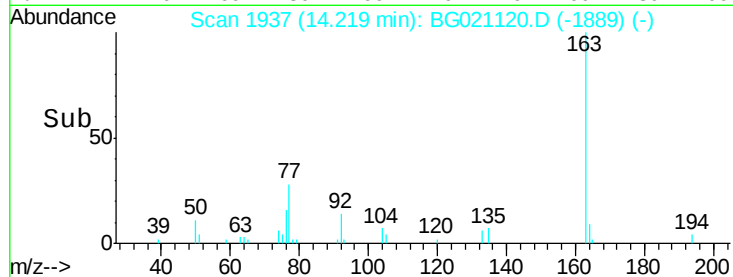
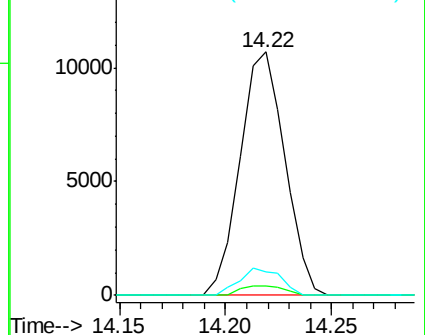
164 9.4 7.9 11.9



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: BG021120.D

Acq: 27 Feb 2016 18:23

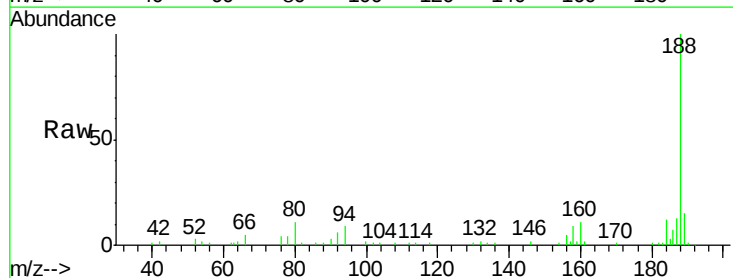
Tgt Ion:188 Resp: 47951

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.4

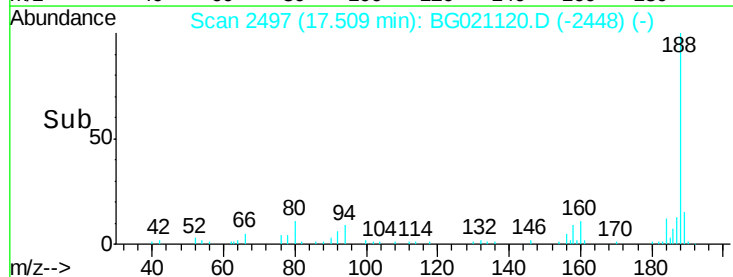
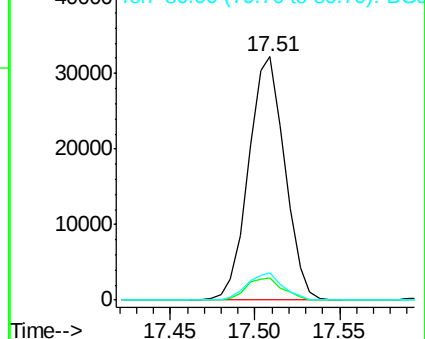
80 11.1 9.2 13.8

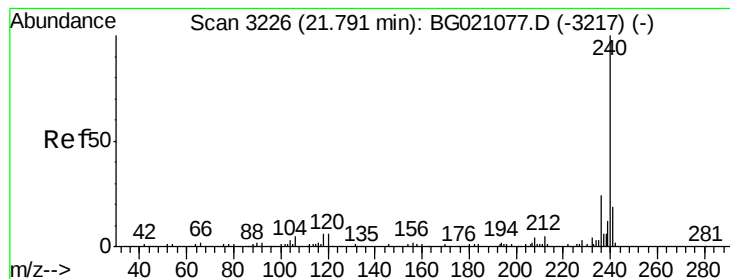


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.77 min Scan# 3222

Delta R.T. -0.02 min

Lab File: BG021120.D

Acq: 27 Feb 2016 18:23

Instrument :

BNA\_G

ClientSampleId :

CEB-2(12-14)20160223

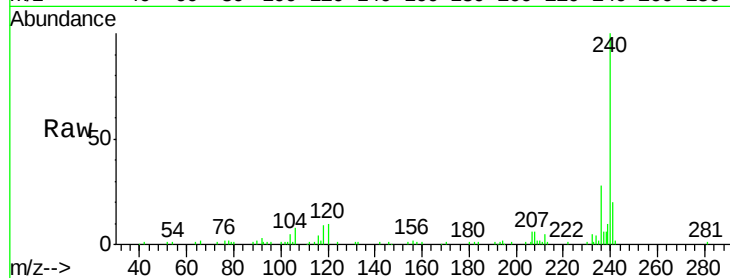
Tgt Ion:240 Resp: 57575

Ion Ratio Lower Upper

240 100

120 9.9 7.5 11.3

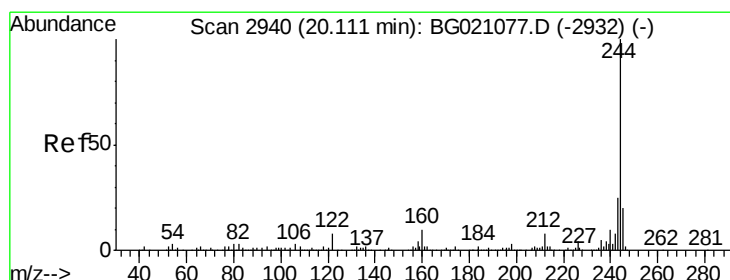
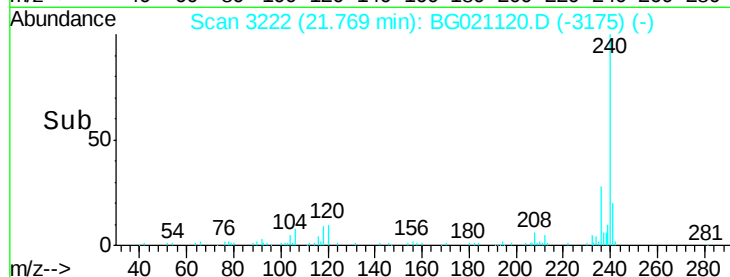
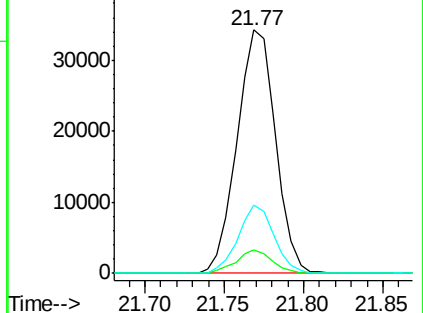
236 27.9 20.5 30.7



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: 86.11 ng

RT: 20.10 min Scan# 2938

Delta R.T. -0.01 min

Lab File: BG021120.D

Acq: 27 Feb 2016 18:23

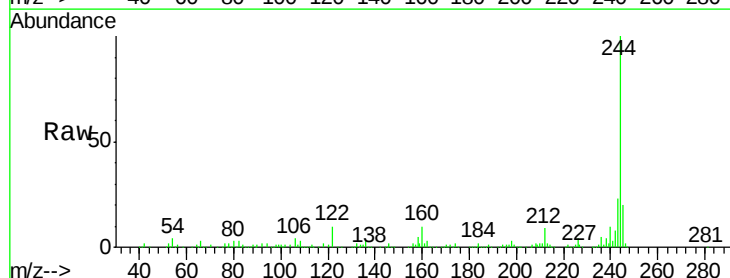
Tgt Ion:244 Resp: 212130

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.6#

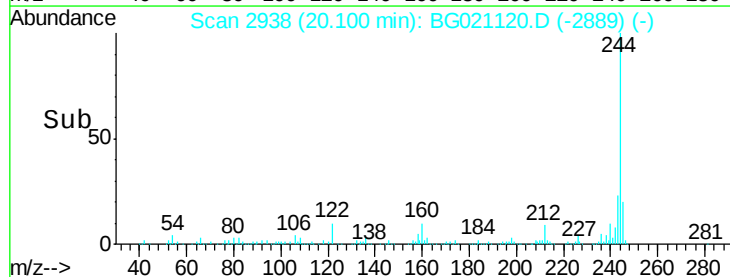
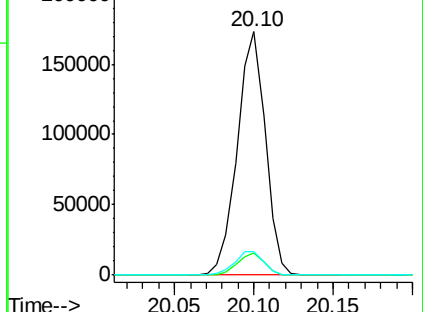
122 9.8 8.3 12.5

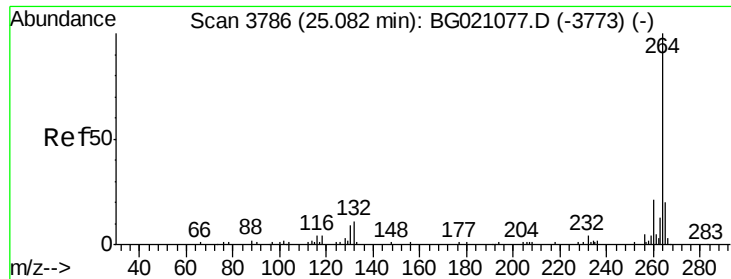


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.05 min Scan# 3781  
Delta R.T. -0.03 min  
Lab File: BG021120.D  
Acq: 27 Feb 2016 18:23

Instrument :  
BNA\_G  
ClientSampleId :  
CEB-2(12-14)20160223

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 52276 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 23.4  | 18.5  | 27.7  |
| 265       | 18.9  | 18.6  | 28.0  |

