

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\  
 Data File : BG021188.D  
 Acq On : 1 Mar 2016 14:42  
 Operator : UM/SJ  
 Sample : H1521-13RE  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-4(0-2)RE

Quant Time: Mar 01 15:42:33 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 29 17:40:25 2016  
 Response via : Initial Calibration

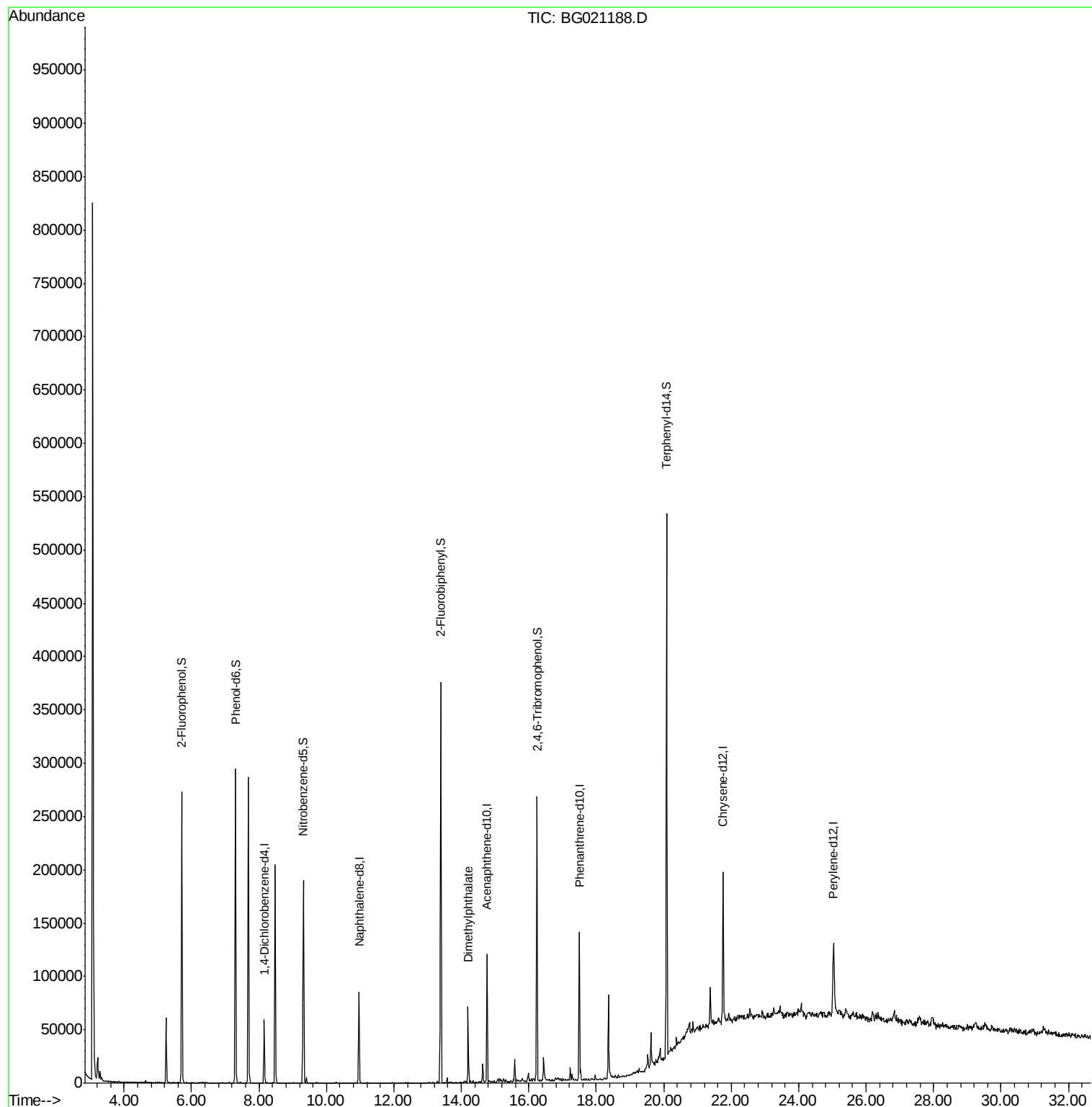
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 15096    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.96 | 136  | 68445    | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.76 | 164  | 36541    | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.50 | 188  | 77735    | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.76 | 240  | 81775    | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.04 | 264  | 65475    | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.71  | 112  | 108521   | 114.28 | ng    | 0.00         |
| 7) Phenol-d6                | 7.30  | 99   | 163539   | 104.74 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 121390   | 75.05  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 34657    | 91.16  | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.39 | 172  | 179210   | 69.64  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.08 | 244  | 200390   | 59.37  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.20 | 163  | 38918    | 11.95  | ng    | Qvalue<br>99 |

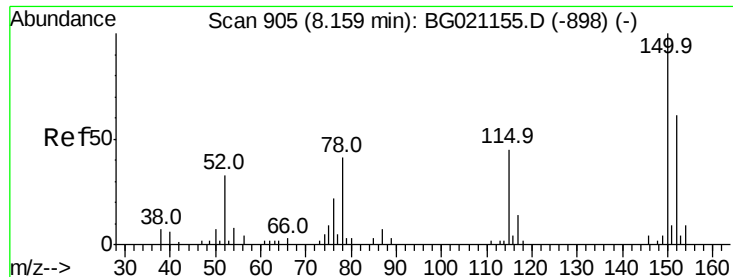
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\  
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ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SP-4(0-2)RE

Quant Time: Mar 01 15:42:33 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 29 17:40:25 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 905

Delta R.T. -0.00 min

Lab File: BG021188.D

Acq: 1 Mar 2016 14:42

Instrument :

BNA\_G

ClientSampleId :

SP-4(0-2)RE

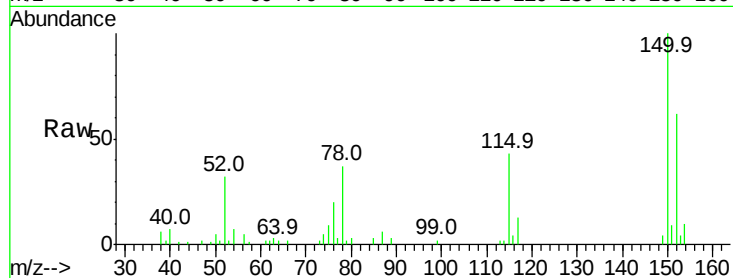
Tot Ion:152 Resp: 15096

Ion Ratio Lower Upper

152 100

150 162.0 123.4 185.2

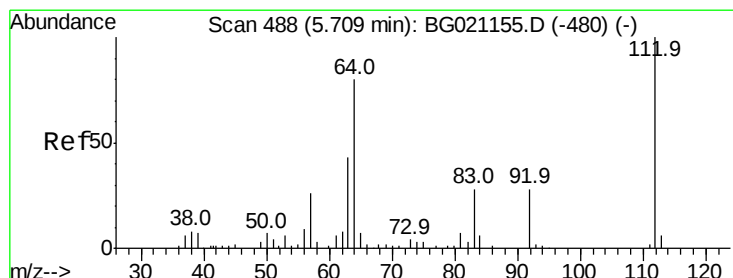
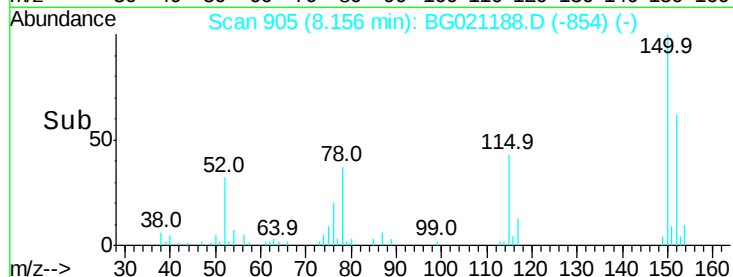
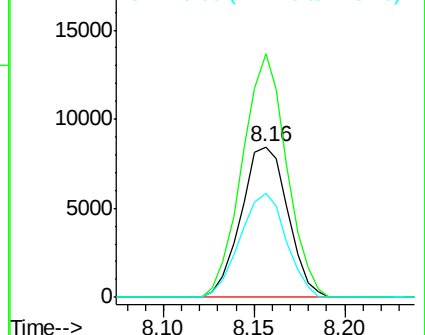
115 69.6 43.3 64.9#



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: 114.28 ng

RT: 5.71 min Scan# 489

Delta R.T. 0.00 min

Lab File: BG021188.D

Acq: 1 Mar 2016 14:42

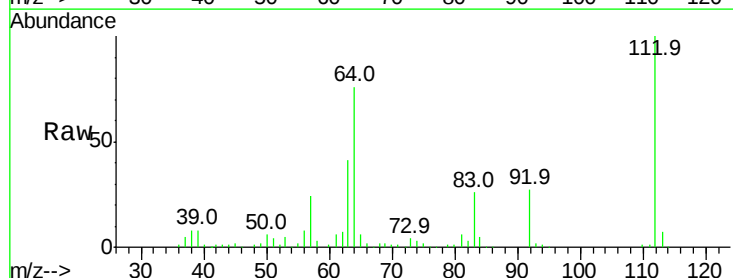
Tgt Ion:112 Resp: 108521

Ion Ratio Lower Upper

112 100

64 75.9 42.6 63.8#

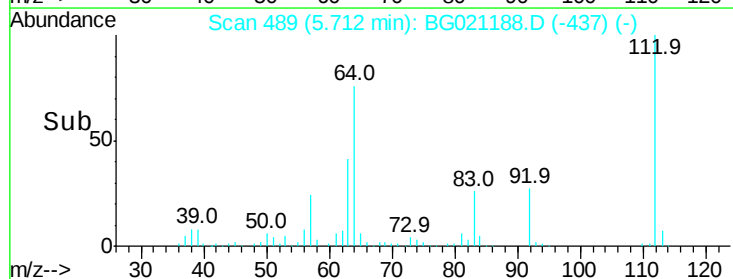
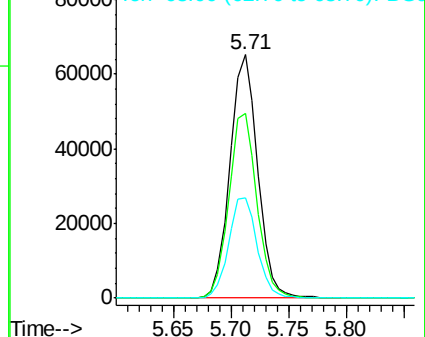
63 41.1 21.7 32.5#



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: 104.74 ng

RT: 7.30 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG021188.D

Acq: 1 Mar 2016 14:42

Instrument :

BNA\_G

ClientSampleId :

SP-4(0-2)RE

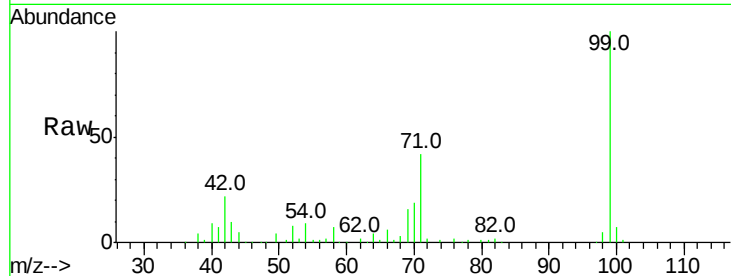
Tot Ion: 99 Resp: 163539

Ion Ratio Lower Upper

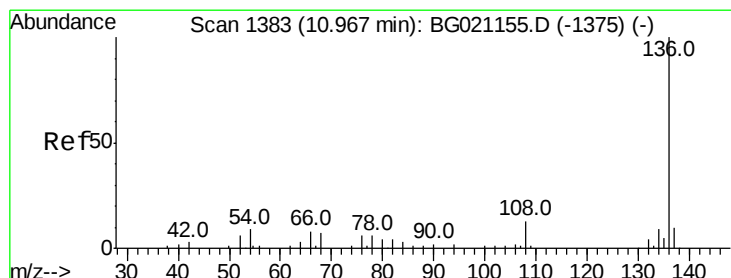
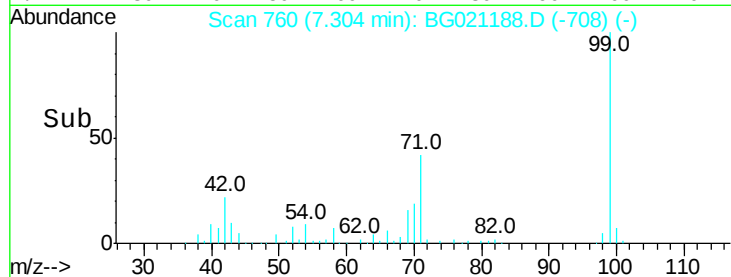
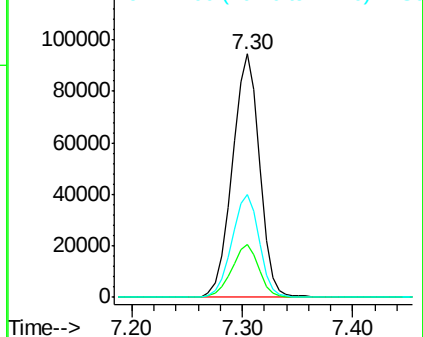
99 100

42 21.7 13.2 19.8#

71 42.0 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: 10.96 min Scan# 1383

Delta R.T. -0.00 min

Lab File: BG021188.D

Acq: 1 Mar 2016 14:42

Tgt Ion: 136 Resp: 68445

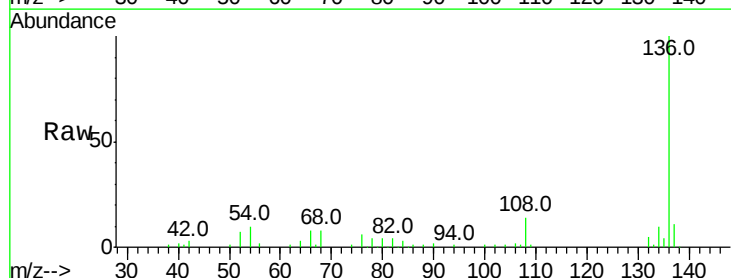
Ion Ratio Lower Upper

136 100

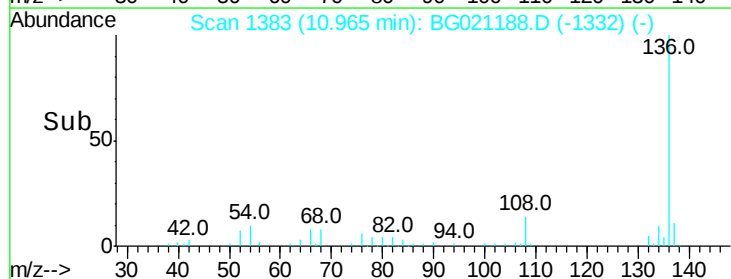
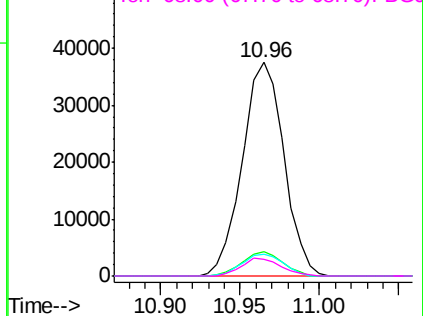
137 11.2 8.8 13.2

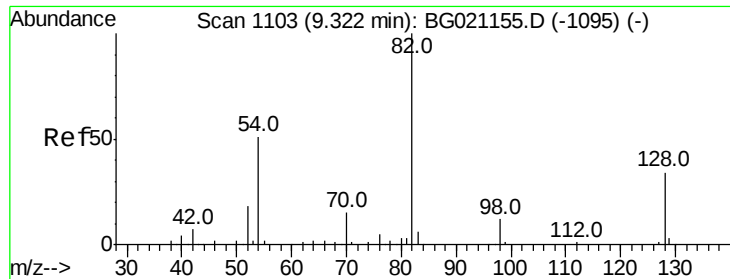
54 10.5 6.9 10.3#

68 7.7 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

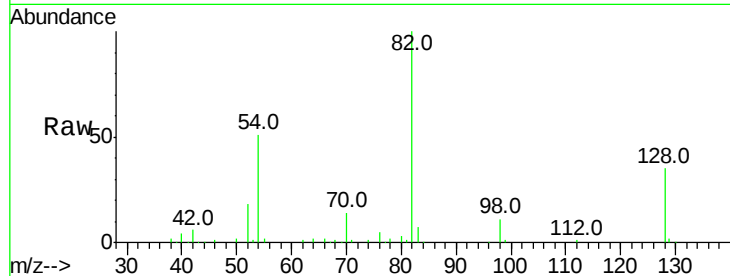




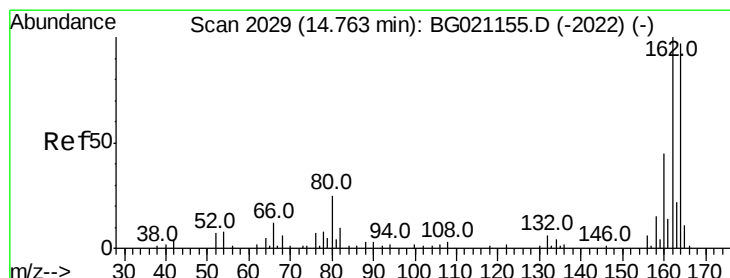
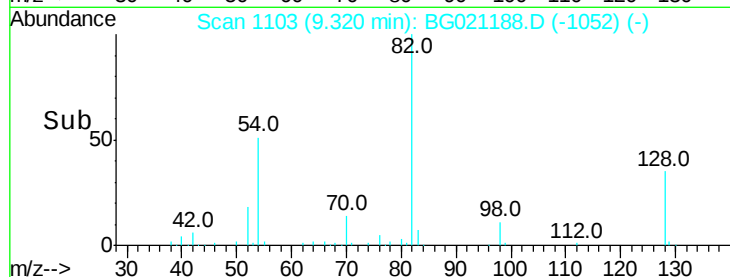
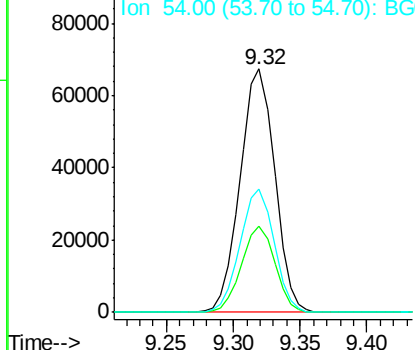
#23  
Nitrobenzene-d5  
Concen: 75.05 ng  
RT: 9.32 min Scan# 1103  
Delta R.T. -0.00 min  
Lab File: BG021188.D  
Acq: 1 Mar 2016 14:42

Instrument :  
BNA\_G  
ClientSampleId :  
SP-4(0-2)RE

Tot Ion: 82 Resp: 121390  
Ion Ratio Lower Upper  
82 100  
128 35.3 36.3 54.5#  
54 50.6 37.6 56.4

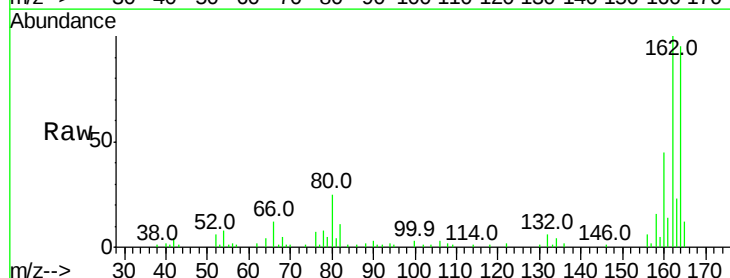


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

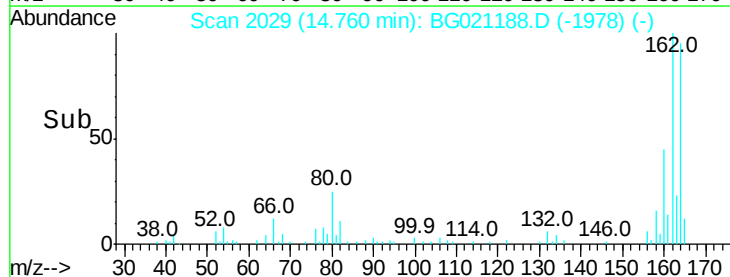
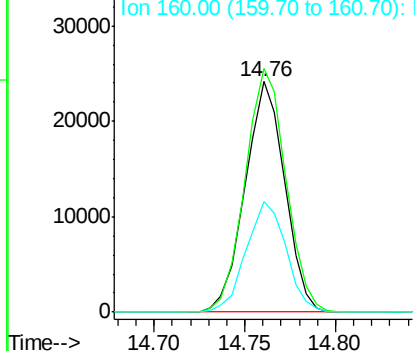


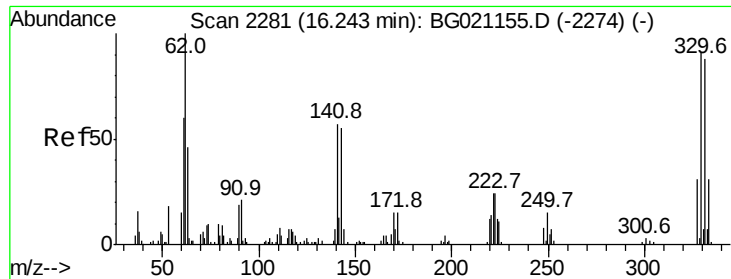
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.76 min Scan# 2029  
Delta R.T. -0.00 min  
Lab File: BG021188.D  
Acq: 1 Mar 2016 14:42

Tgt Ion:164 Resp: 36541  
Ion Ratio Lower Upper  
164 100  
162 105.7 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

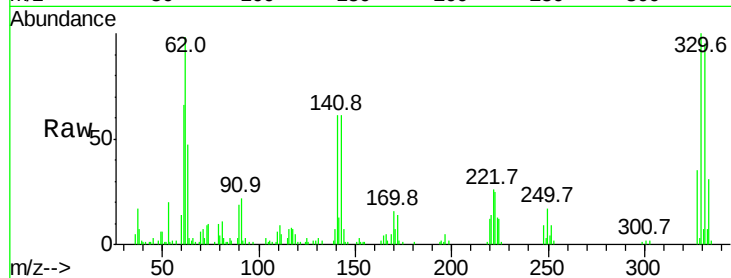




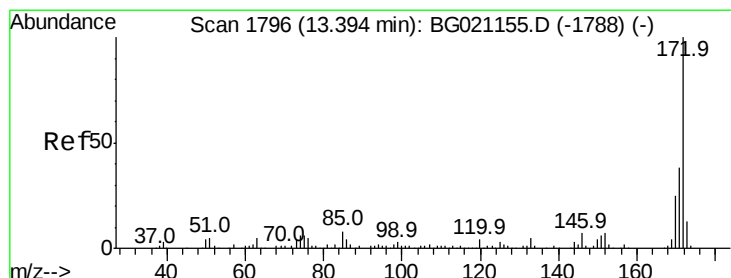
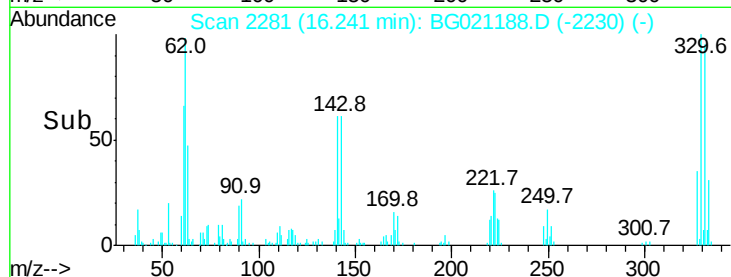
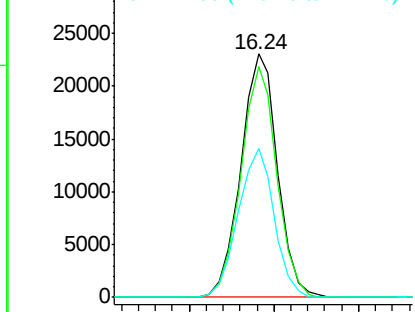
#41  
 2,4,6-Tribromophenol  
 Concen: 91.16 ng  
 RT: 16.24 min Scan# 2281  
 Delta R.T. -0.00 min  
 Lab File: BG021188.D  
 Acq: 1 Mar 2016 14:42

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-4(0-2)RE

Tot Ion:330 Resp: 34657  
 Ion Ratio Lower Upper  
 330 100  
 332 93.1 77.4 116.0  
 141 60.1 35.3 52.9#

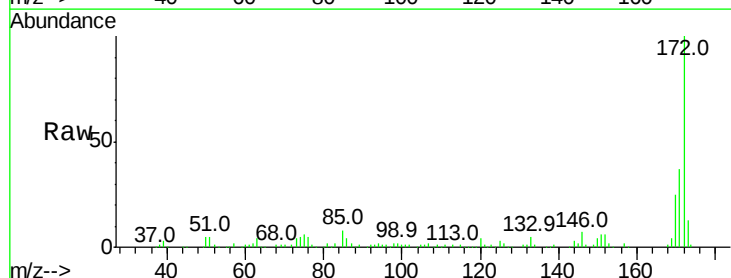


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

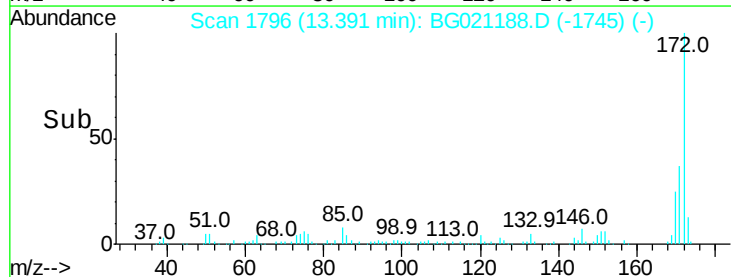
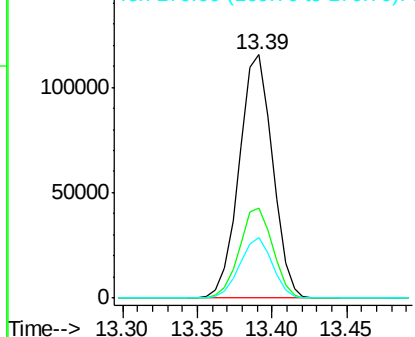


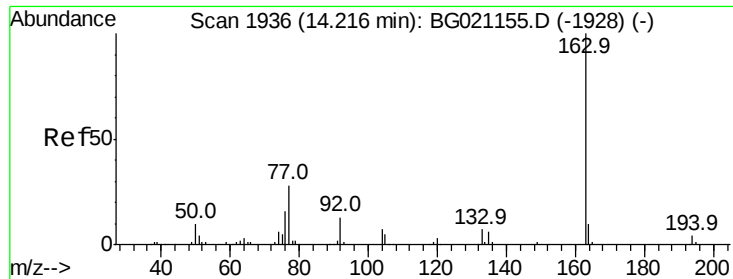
#44  
 2-Fluorobiphenyl  
 Concen: 69.64 ng  
 RT: 13.39 min Scan# 1796  
 Delta R.T. -0.00 min  
 Lab File: BG021188.D  
 Acq: 1 Mar 2016 14:42

Tgt Ion:172 Resp: 179210  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 29.4 44.0  
 170 25.0 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

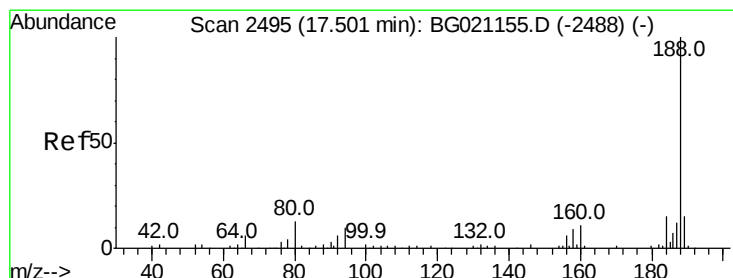
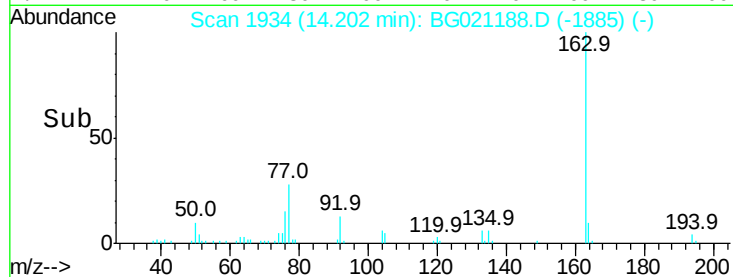
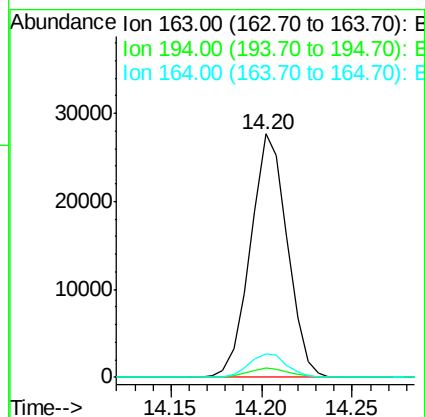
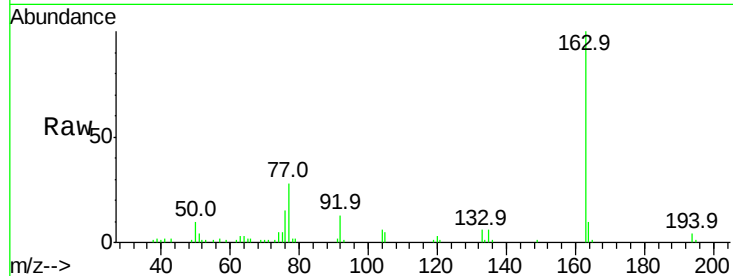




#49  
Dimethylphthalate  
Concen: 11.95 ng  
RT: 14.20 min Scan# 1934  
Delta R.T. -0.01 min  
Lab File: BG021188.D  
Acq: 1 Mar 2016 14:42

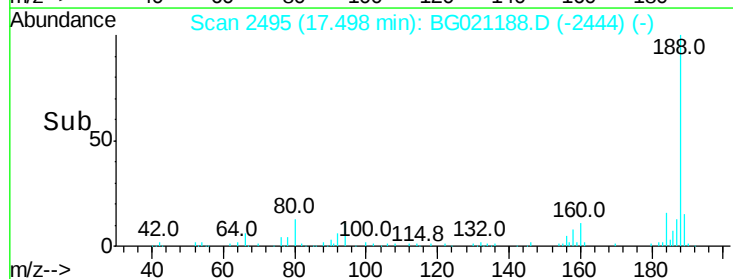
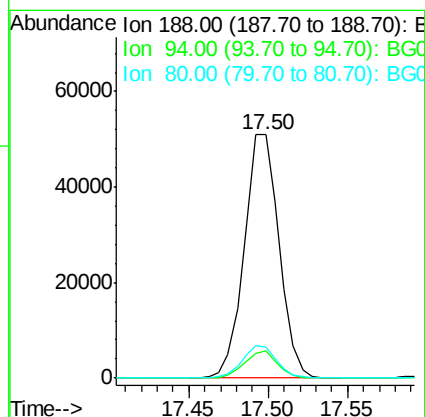
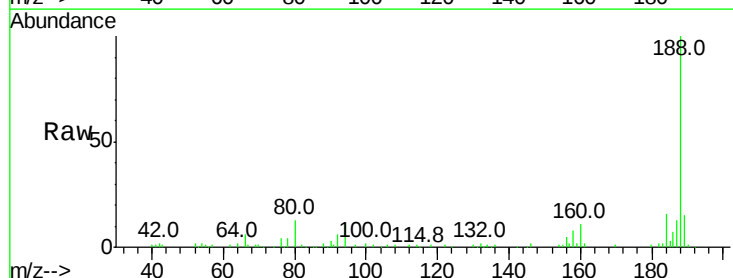
Instrument :  
BNA\_G  
ClientSampleId :  
SP-4(0-2)RE

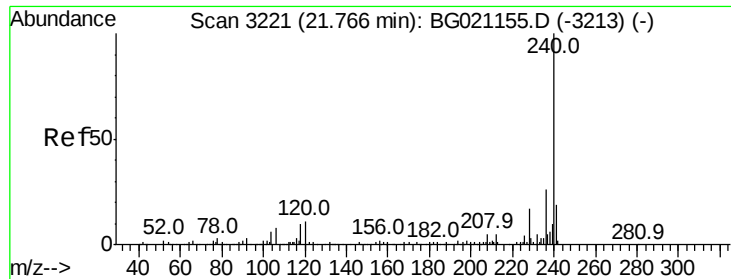
Tot Ion:163 Resp: 38918  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.8 4.2  
164 9.7 7.9 11.9



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.50 min Scan# 2495  
Delta R.T. -0.00 min  
Lab File: BG021188.D  
Acq: 1 Mar 2016 14:42

Tgt Ion:188 Resp: 77735  
Ion Ratio Lower Upper  
188 100  
94 11.0 8.2 12.4  
80 12.8 9.2 13.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3220

Delta R.T. -0.01 min

Lab File: BG021188.D

Acq: 1 Mar 2016 14:42

Instrument :

BNA\_G

ClientSampleId :

SP-4(0-2)RE

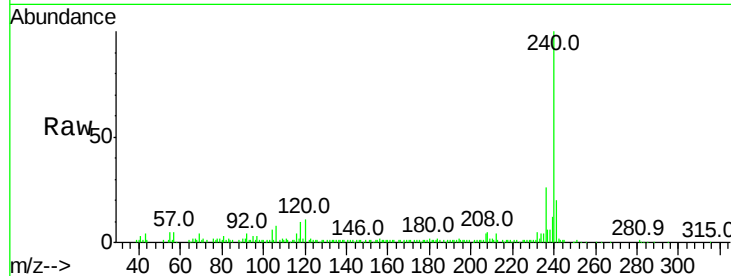
Tot Ion:240 Resp: 81775

Ion Ratio Lower Upper

240 100

120 10.8 7.5 11.3

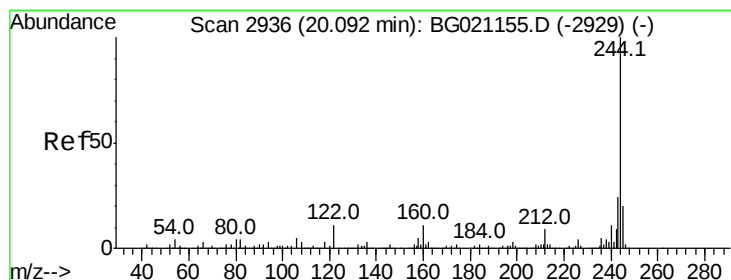
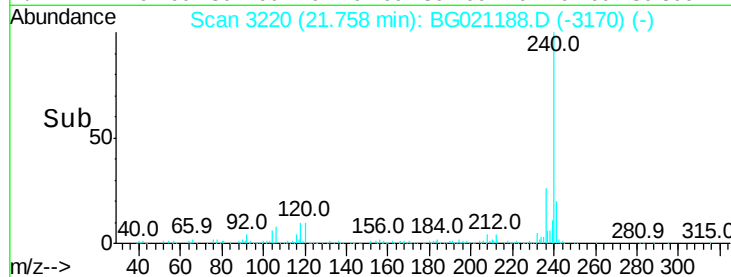
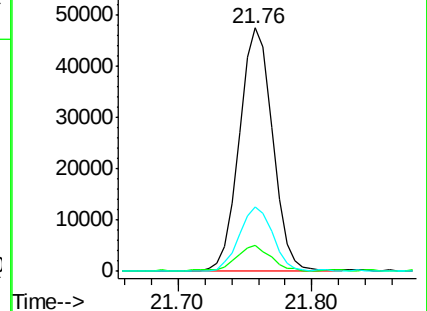
236 26.2 20.5 30.7



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: 59.37 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.01 min

Lab File: BG021188.D

Acq: 1 Mar 2016 14:42

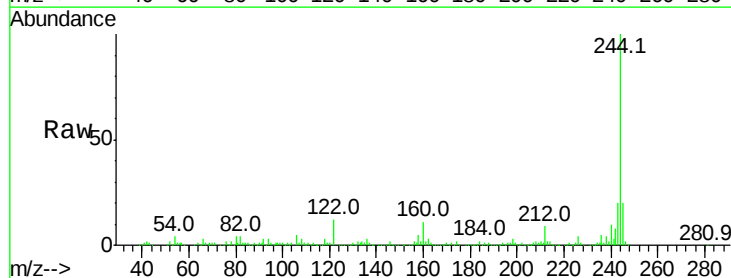
Tgt Ion:244 Resp: 200390

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.6

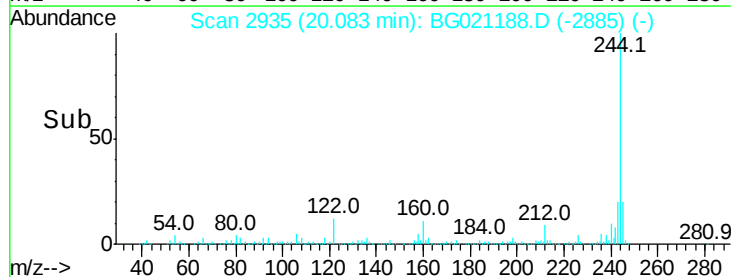
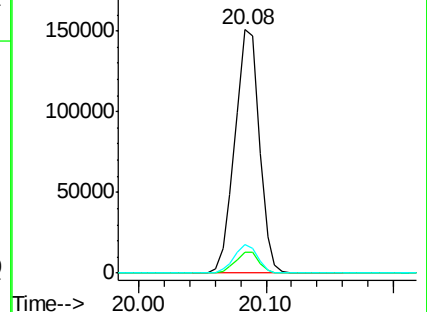
122 11.8 8.3 12.5

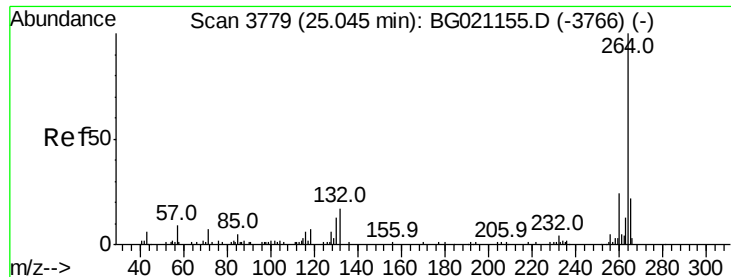


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 25.04 min Scan# 3778  
 Delta R.T. -0.01 min  
 Lab File: BG021188.D  
 Acq: 1 Mar 2016 14:42

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-4(0-2)RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 18.5  | 27.7  |
| 265     | 21.3  | 18.6  | 28.0  |

