

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022716\  
 Data File : BG021106.D  
 Acq On : 27 Feb 2016 9:14  
 Operator : UM/SJ  
 Sample : H1558-15  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-17

Quant Time: Feb 29 00:12:51 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

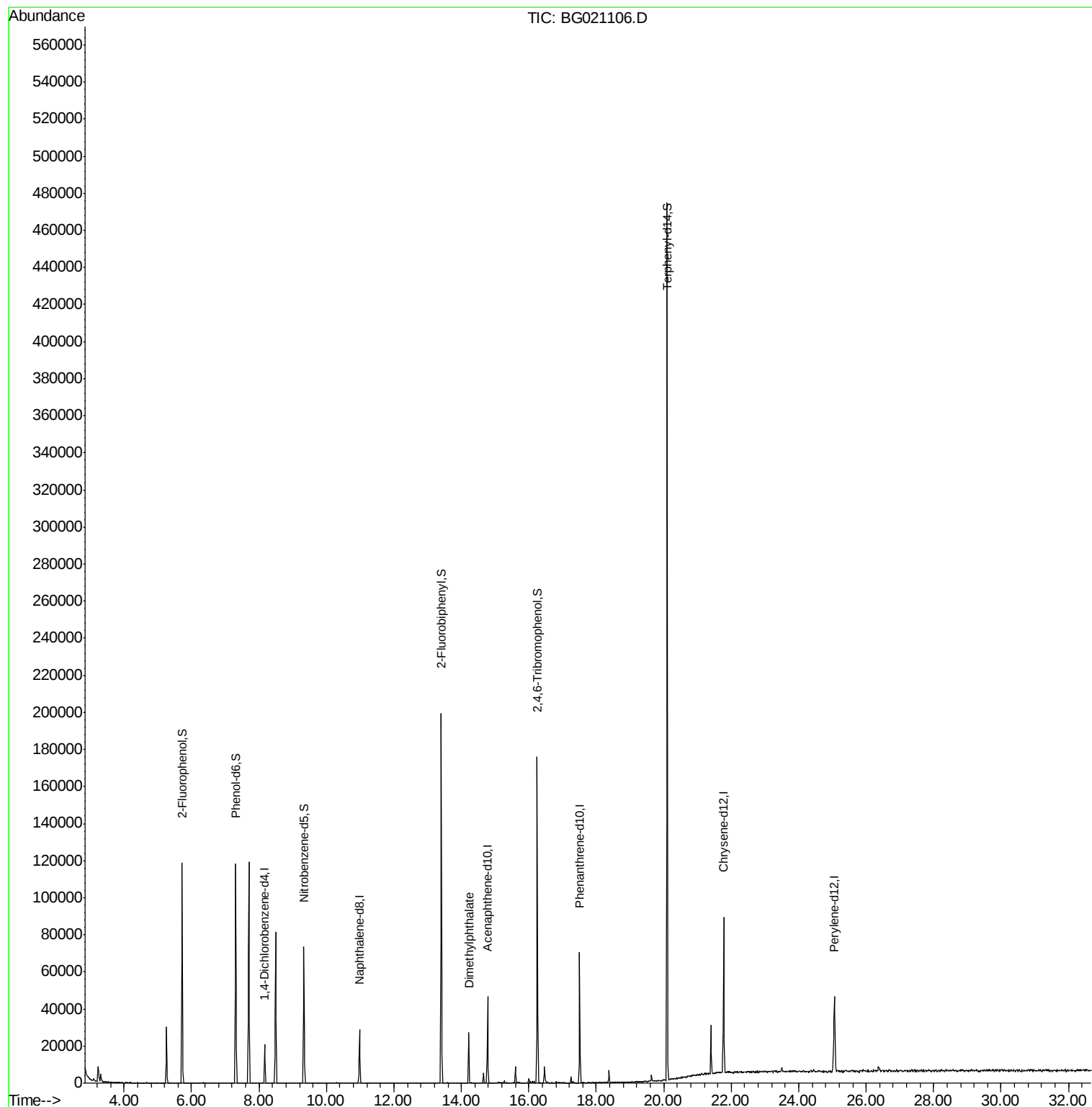
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 5855     | 20.00  | ng    | -0.01         |
| 21) Naphthalene-d8          | 10.98 | 136  | 24549    | 20.00  | ng    | -0.01         |
| 38) Acenaphthene-d10        | 14.78 | 164  | 15432    | 20.00  | ng    | 0.00          |
| 63) Phenanthrene-d10        | 17.51 | 188  | 41212    | 20.00  | ng    | -0.01         |
| 75) Chrysene-d12            | 21.77 | 240  | 51098    | 20.00  | ng    | -0.02         |
| 86) Perylene-d12            | 25.06 | 264  | 45901    | 20.00  | ng    | -0.02         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.72  | 112  | 44373    | 132.68 | ng    | 0.00          |
| 7) Phenol-d6                | 7.31  | 99   | 65960    | 132.54 | ng    | -0.02         |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 45219    | 87.76  | ng    | -0.02         |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 25574    | 126.40 | ng    | -0.01         |
| 44) 2-Fluorobiphenyl        | 13.40 | 172  | 95079    | 78.84  | ng    | -0.01         |
| 78) Terphenyl-d14           | 20.10 | 244  | 191699   | 87.68  | ng    | -0.01         |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 14.22 | 163  | 16512    | 12.41  | ng    | Qvalue<br>100 |

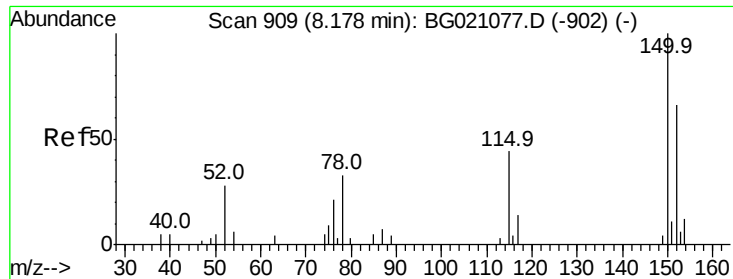
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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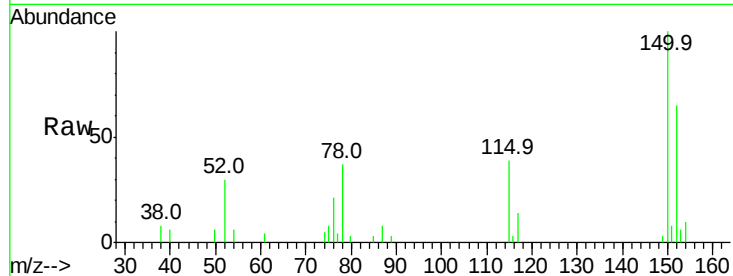


#1

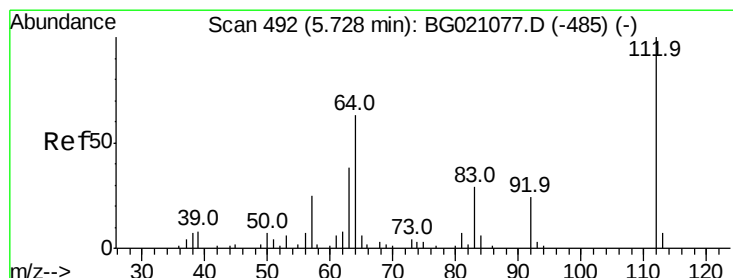
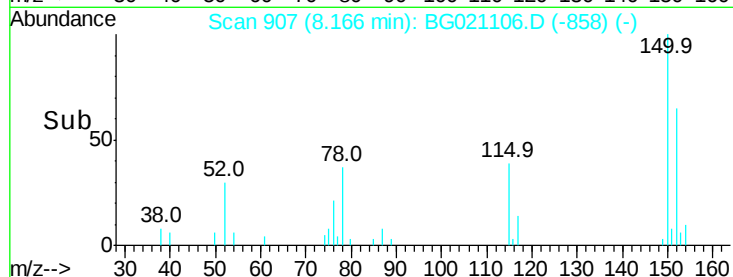
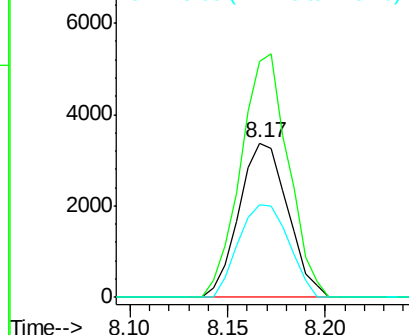
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.17 min Scan# 907  
Delta R.T. -0.01 min  
Lab File: BG021106.D  
Acq: 27 Feb 2016 9:14

Instrument :  
BNA\_G  
ClientSampled :  
S-17

Tot Ion:152 Resp: 5855  
Ion Ratio Lower Upper  
152 100  
150 153.2 123.4 185.2  
115 59.8 43.3 64.9



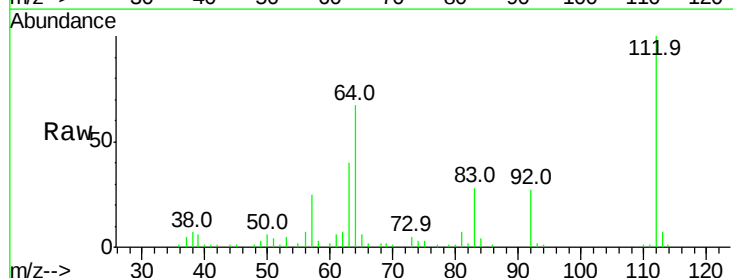
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



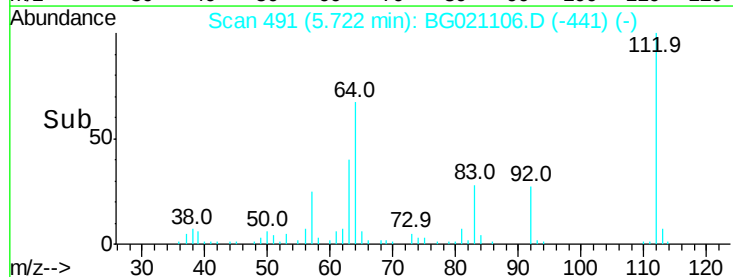
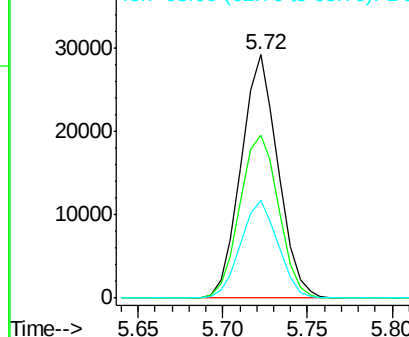
#5

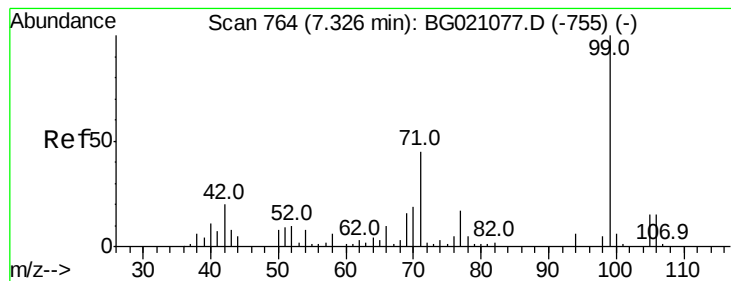
2-Fluorophenol  
Concen: 132.68 ng  
RT: 5.72 min Scan# 491  
Delta R.T. -0.00 min  
Lab File: BG021106.D  
Acq: 27 Feb 2016 9:14

Tgt Ion:112 Resp: 44373  
Ion Ratio Lower Upper  
112 100  
64 67.2 42.6 63.8#  
63 40.3 21.7 32.5#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 132.54 ng

RT: 7.31 min Scan# 761

Delta R.T. -0.02 min

Lab File: BG021106.D

Acq: 27 Feb 2016 9:14

Instrument :

BNA\_G

ClientSampled :

S-17

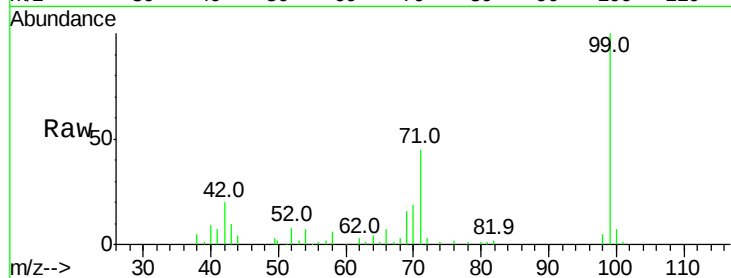
Tot Ion: 99 Resp: 65960

Ion Ratio Lower Upper

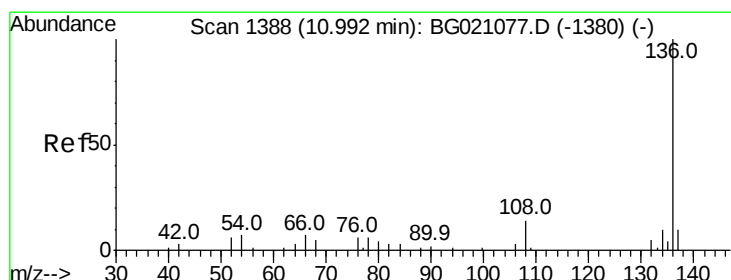
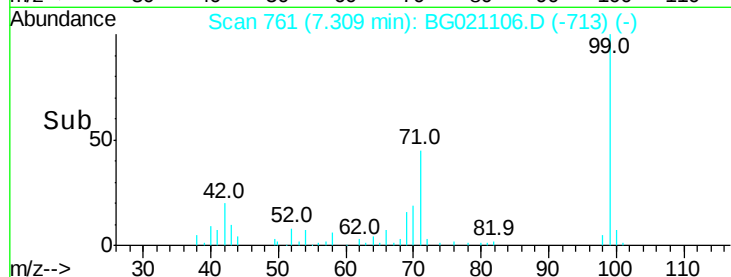
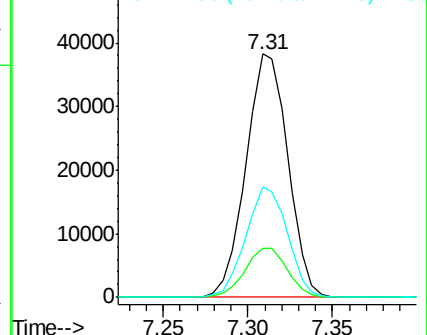
99 100

42 20.4 13.2 19.8#

71 45.1 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# 1386

Delta R.T. -0.01 min

Lab File: BG021106.D

Acq: 27 Feb 2016 9:14

Tgt Ion: 136 Resp: 24549

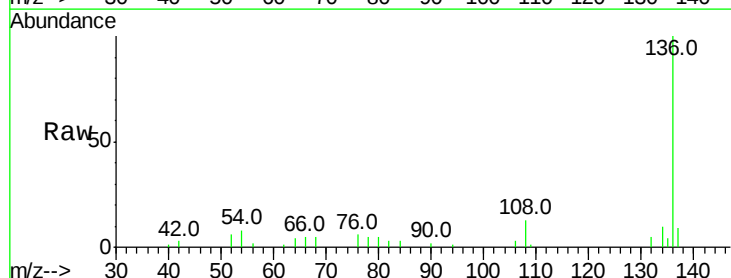
Ion Ratio Lower Upper

136 100

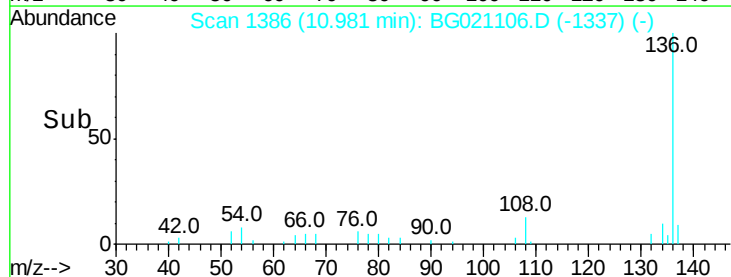
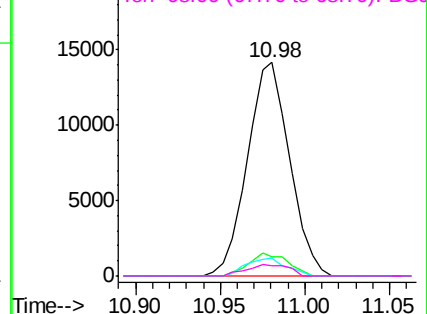
137 9.2 8.8 13.2

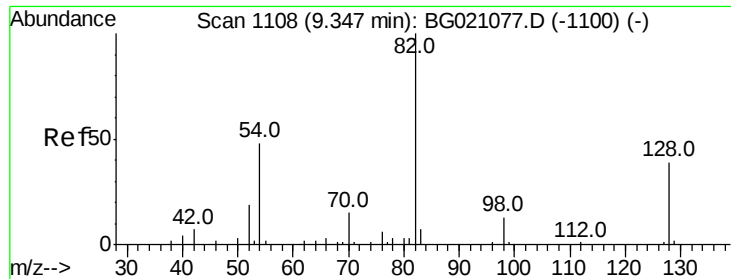
54 8.3 6.9 10.3

68 4.6 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

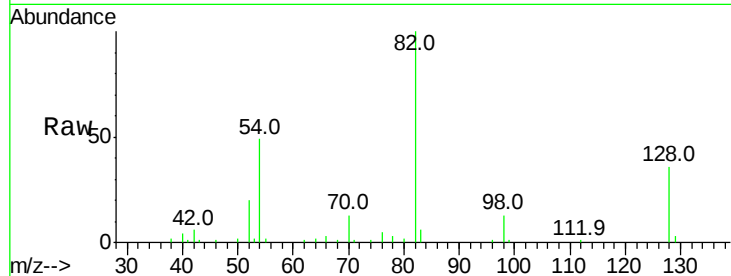




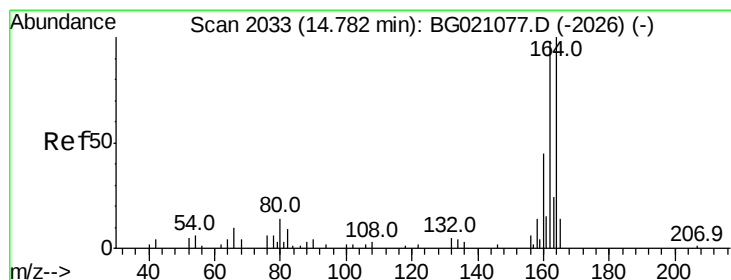
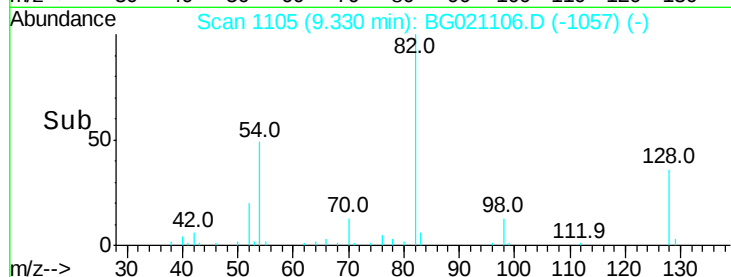
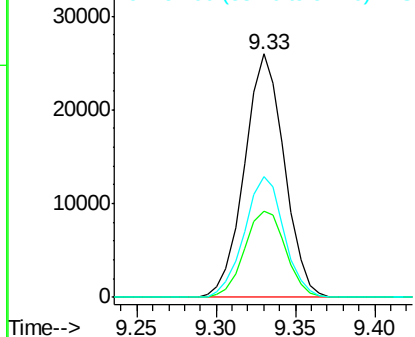
#23  
Nitrobenzene-d5  
Concen: 87.76 ng  
RT: 9.33 min Scan# 1105  
Delta R.T. -0.02 min  
Lab File: BG021106.D  
Acq: 27 Feb 2016 9:14

Instrument :  
BNA\_G  
ClientSampleId :  
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Tot Ion: 82 Resp: 45219  
Ion Ratio Lower Upper  
82 100  
128 35.6 36.3 54.5#  
54 49.3 37.6 56.4

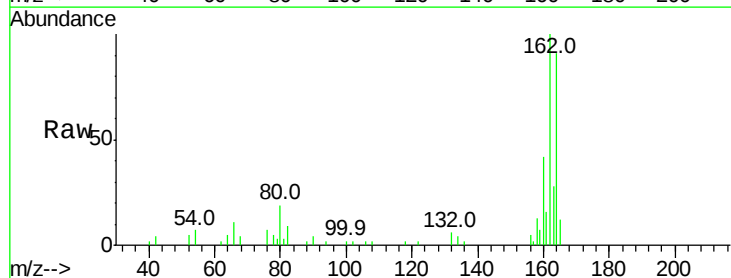


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

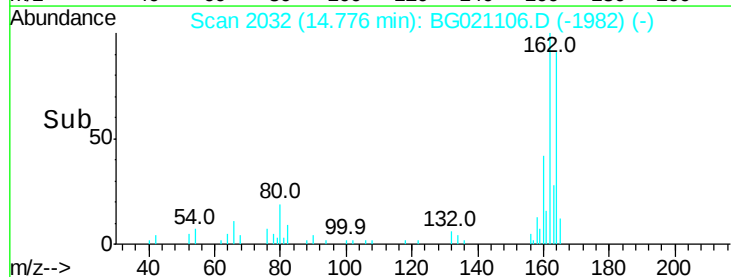
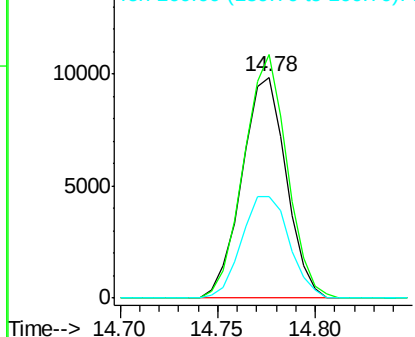


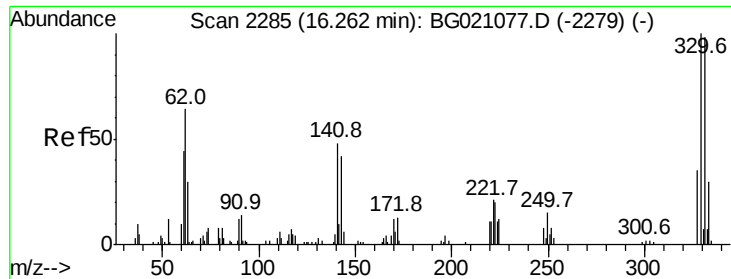
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.78 min Scan# 2032  
Delta R.T. -0.01 min  
Lab File: BG021106.D  
Acq: 27 Feb 2016 9:14

Tgt Ion:164 Resp: 15432  
Ion Ratio Lower Upper  
164 100  
162 110.2 80.6 120.8  
160 46.0 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

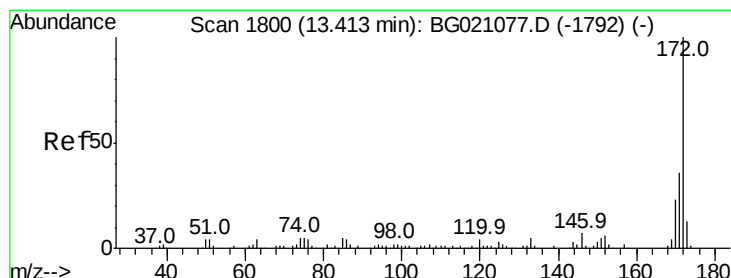
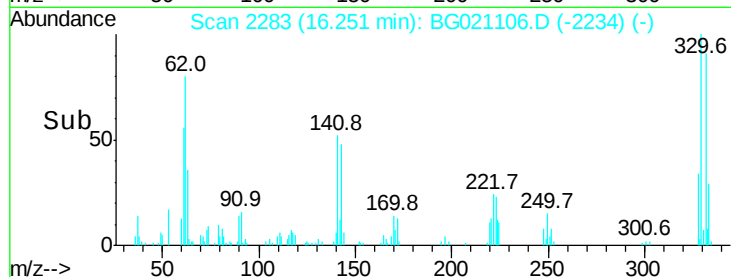
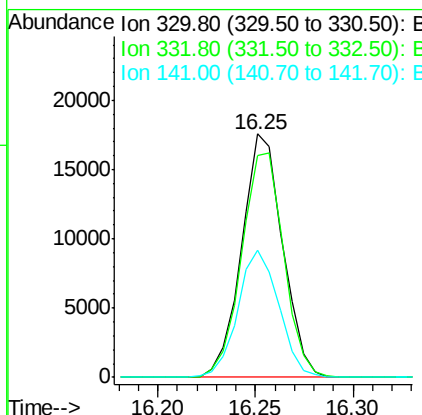
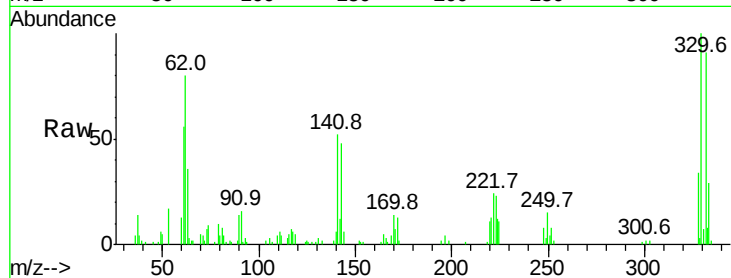




#41  
 2,4,6-Tribromophenol  
 Concen: 126.40 ng  
 RT: 16.25 min Scan# 2283  
 Delta R.T. -0.01 min  
 Lab File: BG021106.D  
 Acq: 27 Feb 2016 9:14

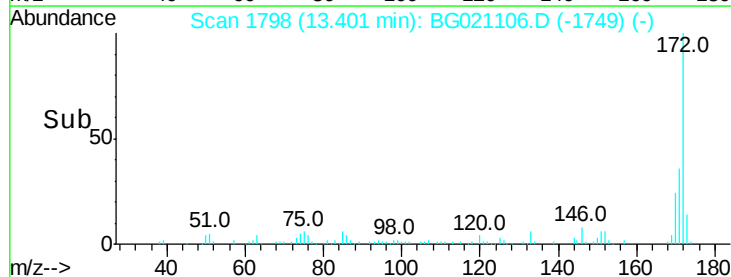
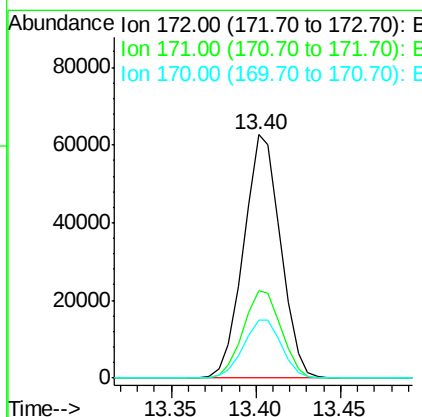
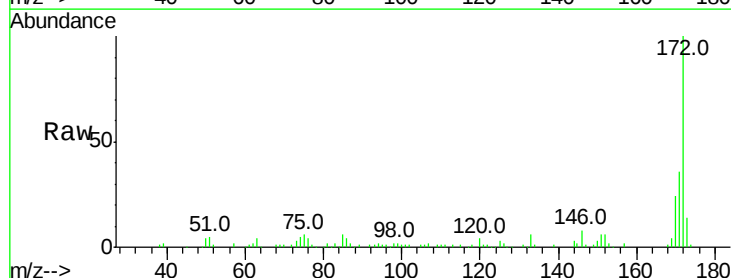
Instrument :  
 BNA\_G  
 ClientSampleId :  
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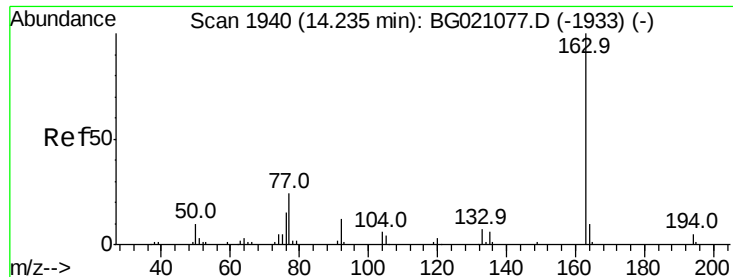
Tot Ion:330 Resp: 25574  
 Ion Ratio Lower Upper  
 330 100  
 332 94.8 77.4 116.0  
 141 51.9 35.3 52.9



#44  
 2-Fluorobiphenyl  
 Concen: 78.84 ng  
 RT: 13.40 min Scan# 1798  
 Delta R.T. -0.01 min  
 Lab File: BG021106.D  
 Acq: 27 Feb 2016 9:14

Tgt Ion:172 Resp: 95079  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.4 44.0  
 170 23.9 19.8 29.8





#49

Dimethylphthalate

Concen: 12.41 ng

RT: 14.22 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG021106.D

Acq: 27 Feb 2016 9:14

Instrument :

BNA\_G

ClientSampleId :

S-17

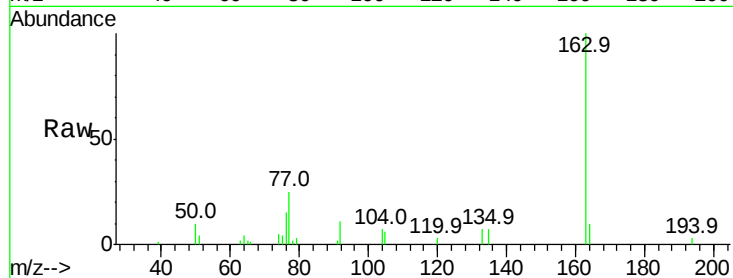
Tot Ion:163 Resp: 16512

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

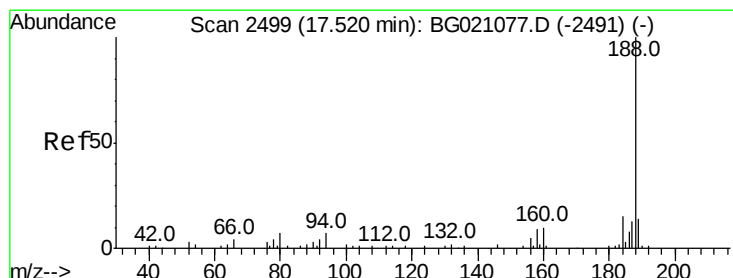
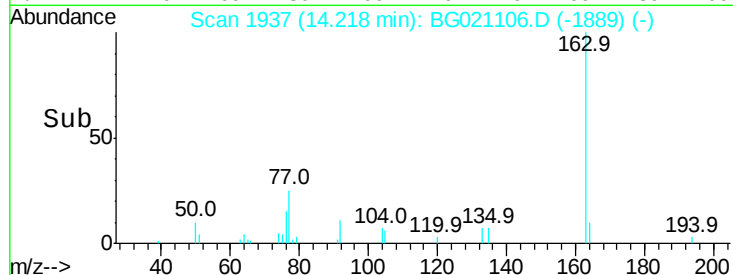
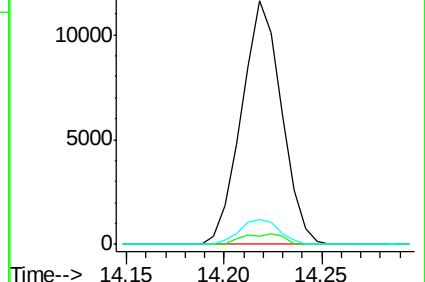
164 10.0 7.9 11.9



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: BG021106.D

Acq: 27 Feb 2016 9:14

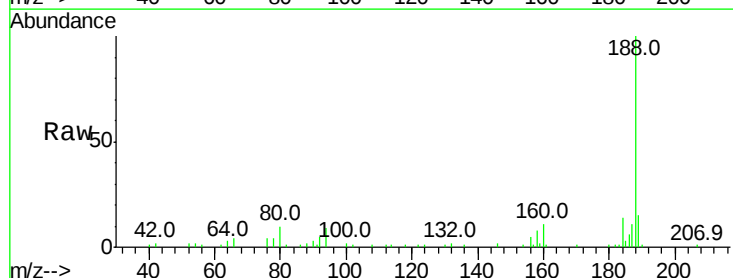
Tgt Ion:188 Resp: 41212

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.4

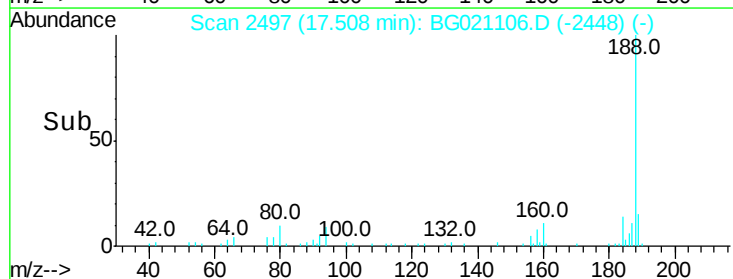
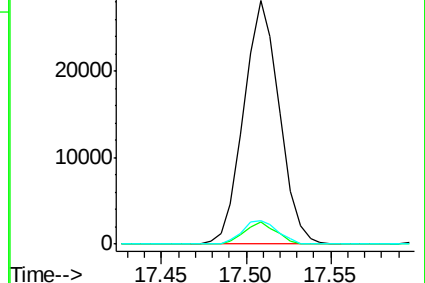
80 9.8 9.2 13.8

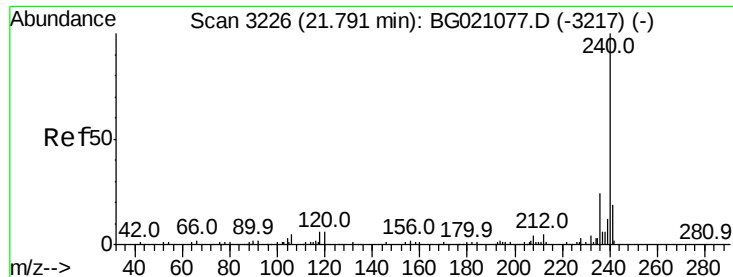


Abundance Ion 188.00 (187.70 to 188.70): E

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# 3223

Delta R.T. -0.02 min

Lab File: BG021106.D

Acq: 27 Feb 2016 9:14

Instrument :

BNA\_G

ClientSampleId :

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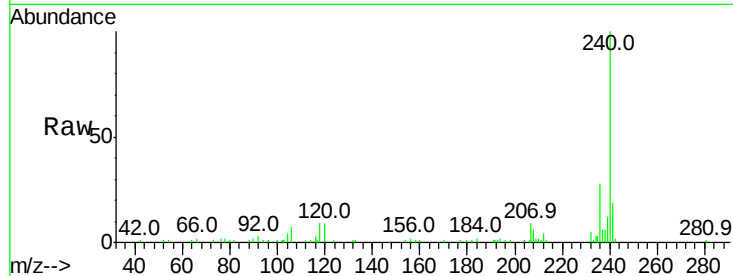
Tot Ion:240 Resp: 51098

Ion Ratio Lower Upper

240 100

120 9.1 7.5 11.3

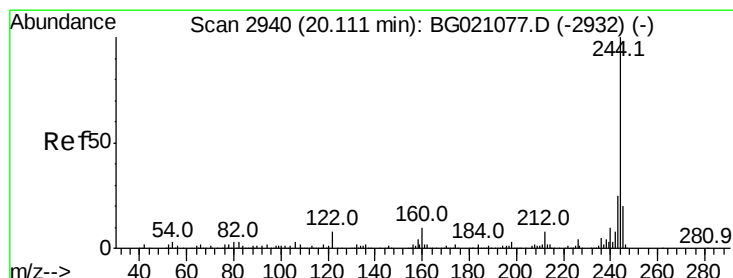
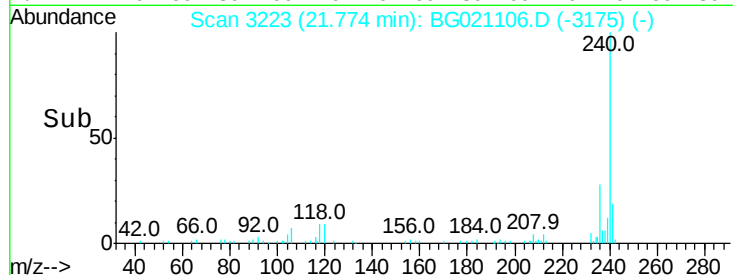
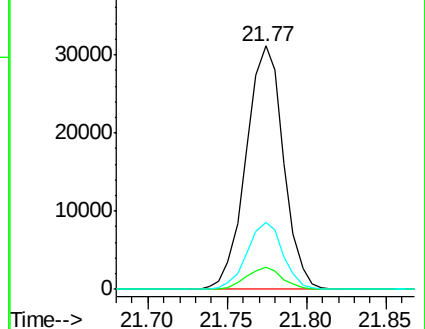
236 27.5 20.5 30.7



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: 87.68 ng

RT: 20.10 min Scan# 2938

Delta R.T. -0.01 min

Lab File: BG021106.D

Acq: 27 Feb 2016 9:14

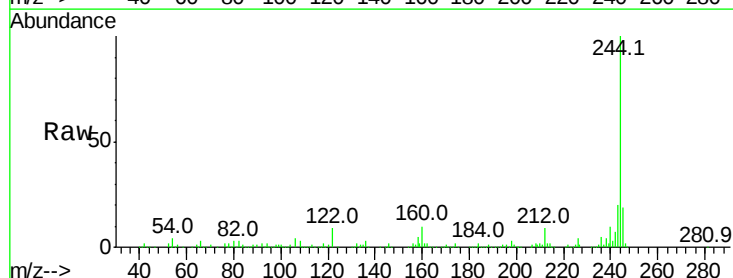
Tgt Ion:244 Resp: 191699

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.6#

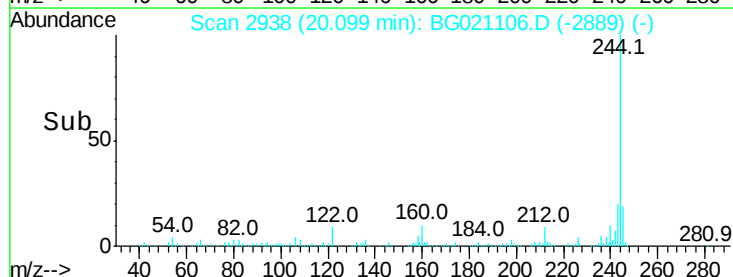
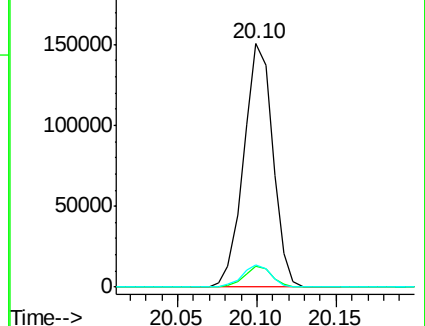
122 9.0 8.3 12.5

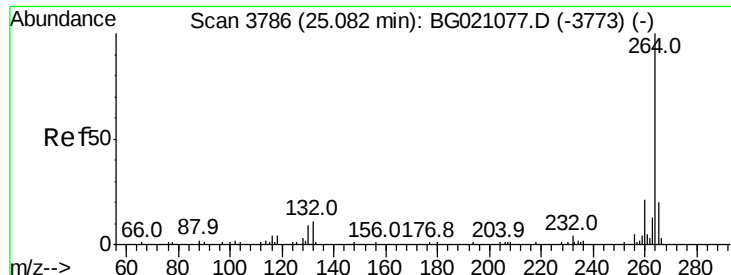


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

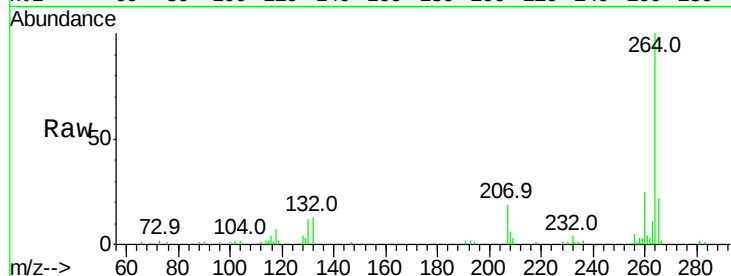




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 25.06 min Scan# 3782  
 Delta R.T. -0.02 min  
 Lab File: BG021106.D  
 Acq: 27 Feb 2016 9:14

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-17

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.2  | 18.5  | 27.7  |
| 265     | 22.2  | 18.6  | 28.0  |



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

