

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG072115\  
 Data File : BG018045.D  
 Acq On : 22 Jul 2015 6:07  
 Operator : TP/UM  
 Sample : G3027-08  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-07-1.5-2.0

Quant Time: Jul 22 06:44:09 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 22 04:14:54 2015  
 Response via : Initial Calibration

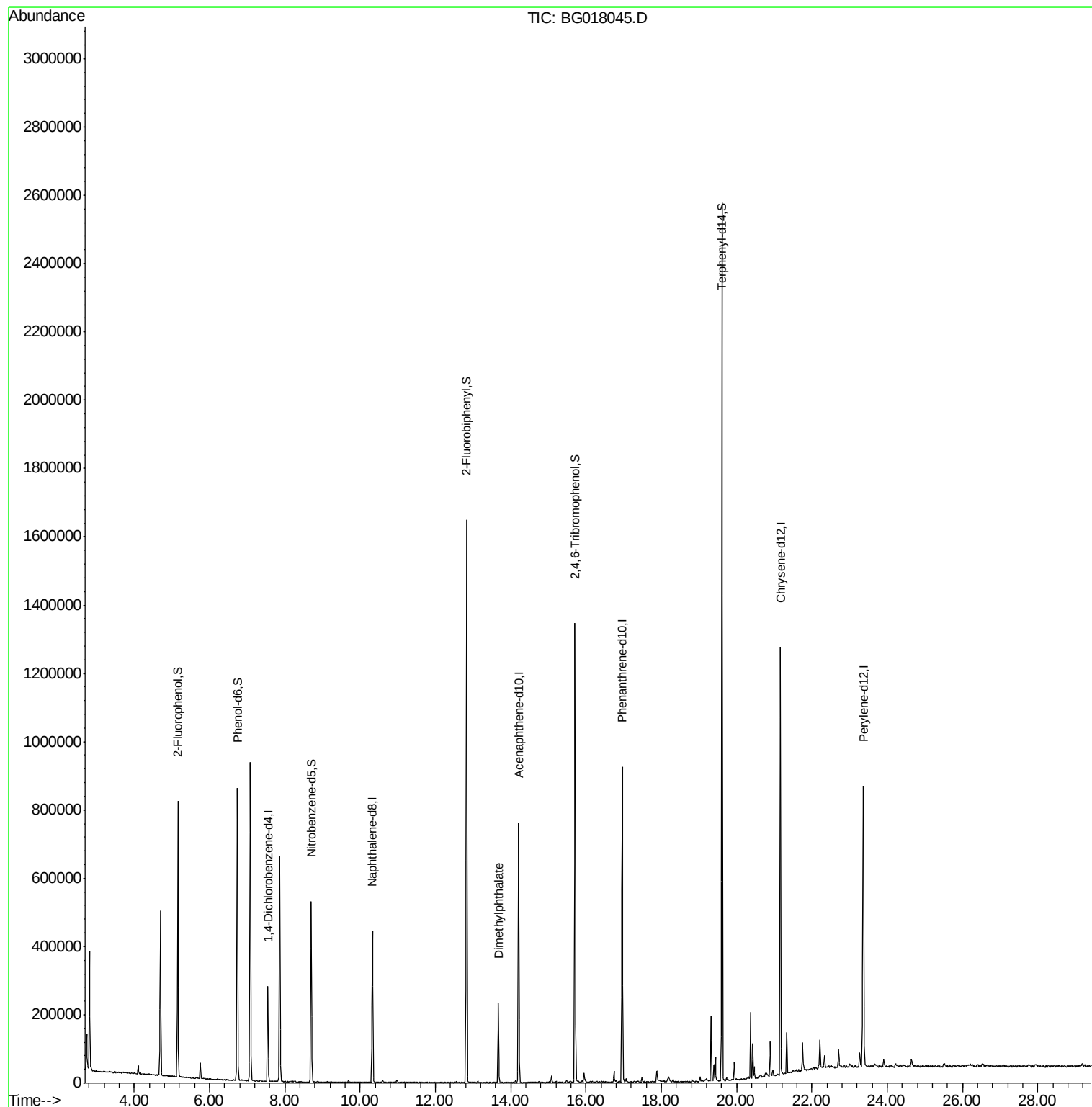
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.55  | 152  | 77222    | 20.00     | ng       | 0.00     |
| 21) Naphthalene-d8          | 10.33 | 136  | 380346   | 20.00     | ng       | 0.00     |
| 38) Acenaphthene-d10        | 14.21 | 164  | 258950   | 20.00     | ng       | 0.00     |
| 63) Phenanthrene-d10        | 16.97 | 188  | 539003   | 20.00     | ng       | 0.00     |
| 75) Chrysene-d12            | 21.17 | 240  | 566861   | 20.00     | ng       | 0.00     |
| 86) Perylene-d12            | 23.37 | 264  | 568191   | 20.00     | ng       | 0.00     |
| System Monitoring Compounds |       |      |          |           |          |          |
| 5) 2-Fluorophenol           | 5.16  | 112  | 356481   | 80.53     | ng       | 0.00     |
| 7) Phenol-d6                | 6.74  | 99   | 510374   | 88.00     | ng       | 0.00     |
| 23) Nitrobenzene-d5         | 8.70  | 82   | 304085   | 51.78     | ng       | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.71 | 330  | 243597   | 92.85     | ng       | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.82 | 172  | 830494   | 55.58     | ng       | 0.00     |
| 78) Terphenyl-d14           | 19.62 | 244  | 1117636  | 49.66     | ng       | 0.00     |
| Target Compounds            |       |      |          |           |          |          |
| 32) Benzoic acid            | 9.68  | 122  | 140      | Below Cal | Qvalue # | 67       |
| 49) Dimethylphthalate       | 13.67 | 163  | 156162   | 8.68 ng   |          | 99       |

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

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG072115\  
Data File : BG018045.D  
Acq On : 22 Jul 2015 6:07  
Operator : TP/UM  
Sample : G3027-08  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-07-1.5-2.0

Quant Time: Jul 22 06:44:09 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 22 04:14:54 2015  
Response via : Initial Calibration



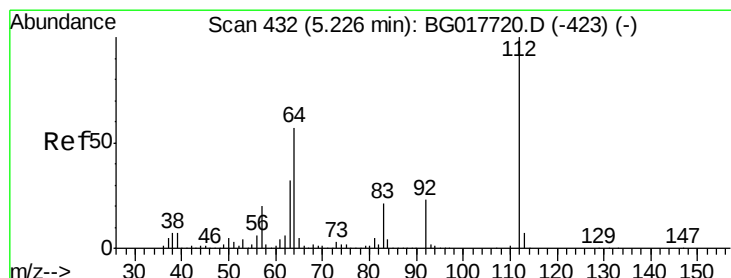
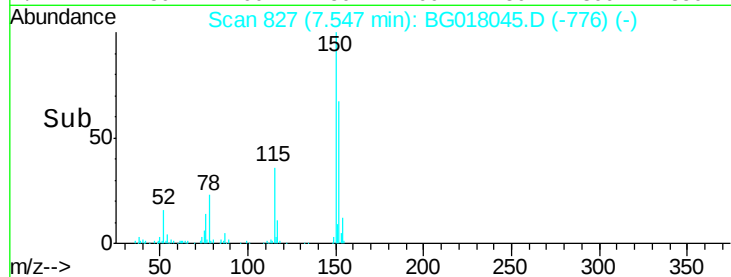
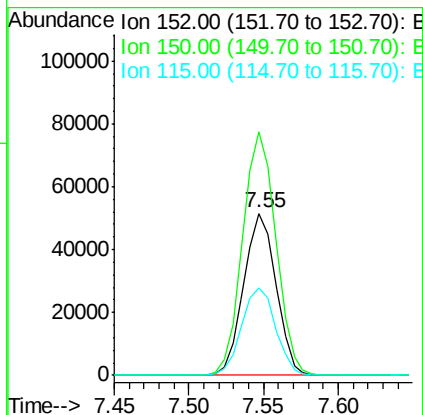
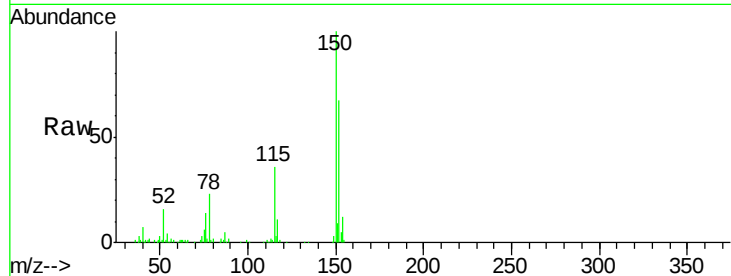


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.55 min Scan# 827  
Delta R.T. 0.00 min  
Lab File: BG018045.D  
Acq: 22 Jul 2015 6:07

Instrument :  
BNA\_G  
ClientSampleId :  
SB-07-1.5-2.0

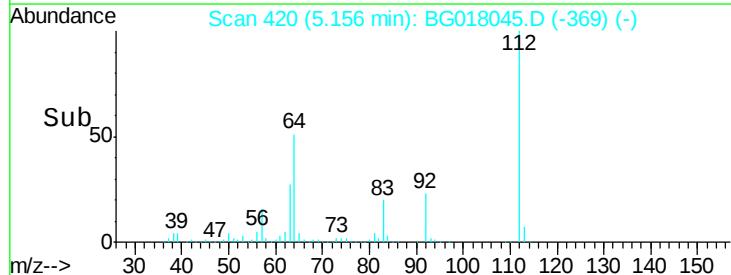
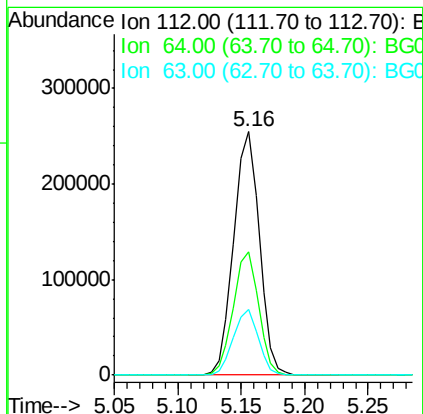
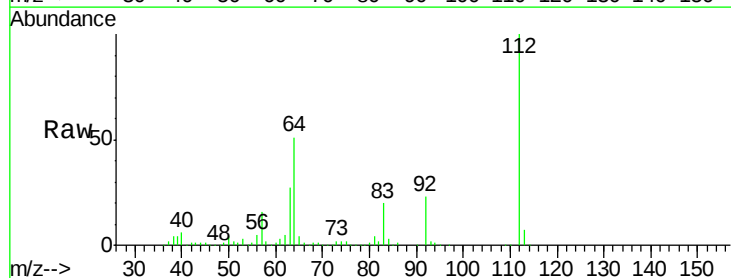
Tgt Ion:152 Resp: 77222  
Ion Ratio Lower Upper  
152 100  
150 150.1 119.1 178.7  
115 54.0 47.0 70.4



#5

2-Fluorophenol  
Concen: 80.53 ng  
RT: 5.16 min Scan# 420  
Delta R.T. 0.00 min  
Lab File: BG018045.D  
Acq: 22 Jul 2015 6:07

Tgt Ion:112 Resp: 356481  
Ion Ratio Lower Upper  
112 100  
64 50.7 45.4 68.0  
63 26.8 25.3 37.9





#7

Phenol-d6

Concen: 88.00 ng

RT: 6.74 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG018045.D

Acq: 22 Jul 2015 6:07

Instrument :

BNA\_G

ClientSampleId :

SB-07-1.5-2.0

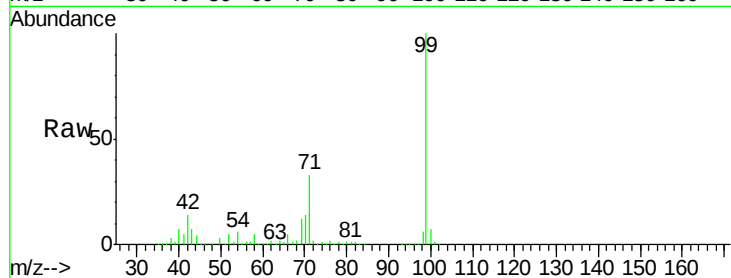
Tgt Ion: 99 Resp: 510374

Ion Ratio Lower Upper

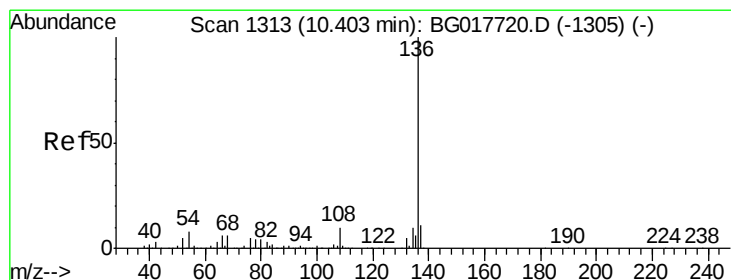
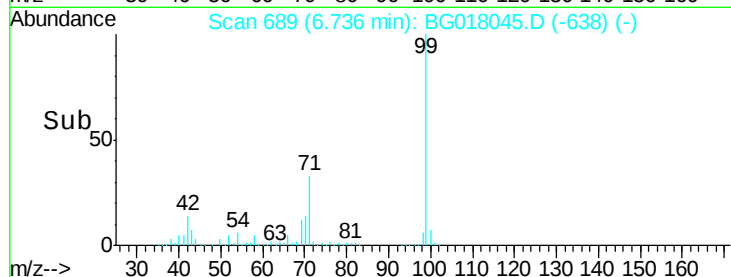
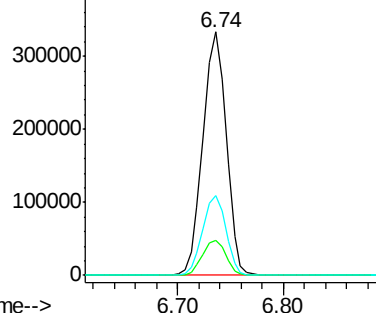
99 100

42 14.3 16.2 24.4#

71 33.0 29.5 44.3



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: 10.33 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BG018045.D

Acq: 22 Jul 2015 6:07

Tgt Ion: 136 Resp: 380346

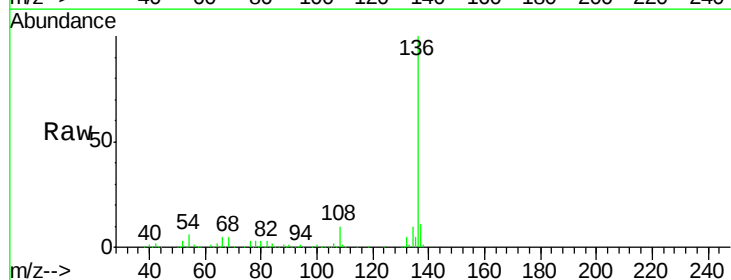
Ion Ratio Lower Upper

136 100

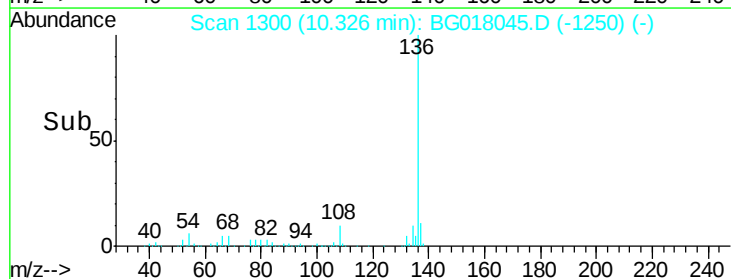
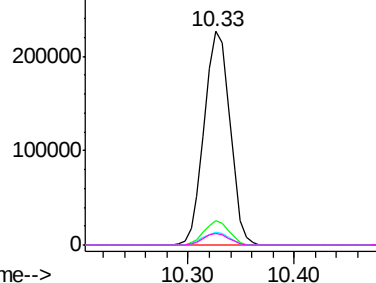
137 11.3 8.8 13.2

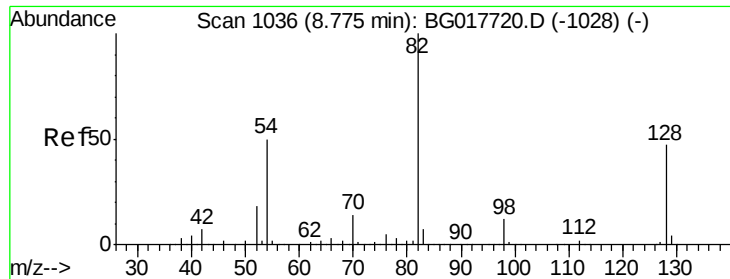
54 6.0 6.6 9.8#

68 5.3 5.1 7.7



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

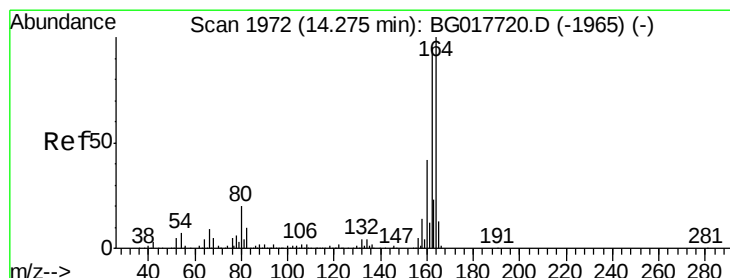
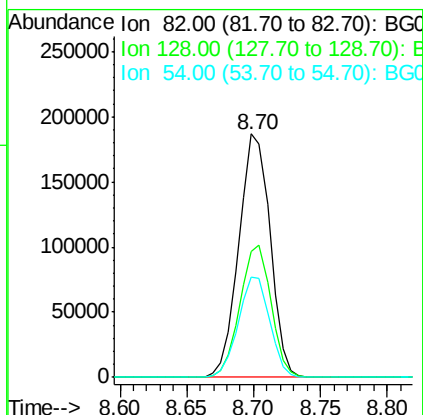
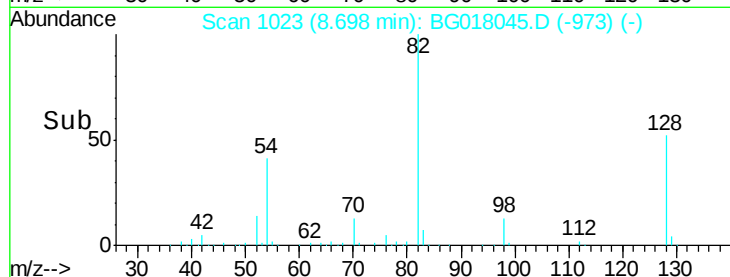
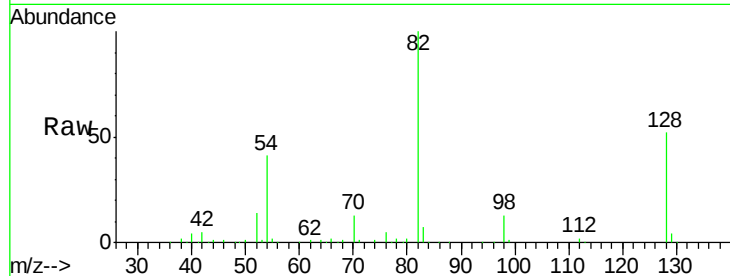




#23  
 Nitrobenzene-d5  
 Concen: 51.78 ng  
 RT: 8.70 min Scan# 1023  
 Delta R.T. -0.01 min  
 Lab File: BG018045.D  
 Acq: 22 Jul 2015 6:07

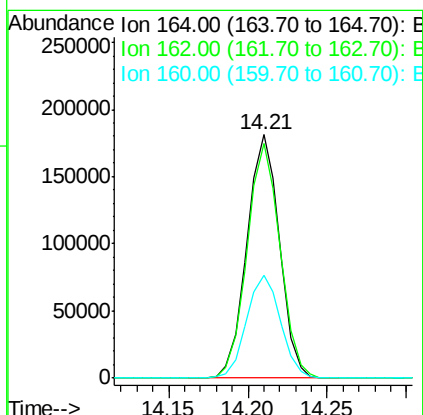
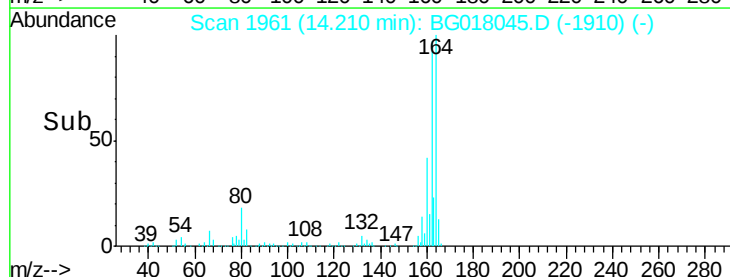
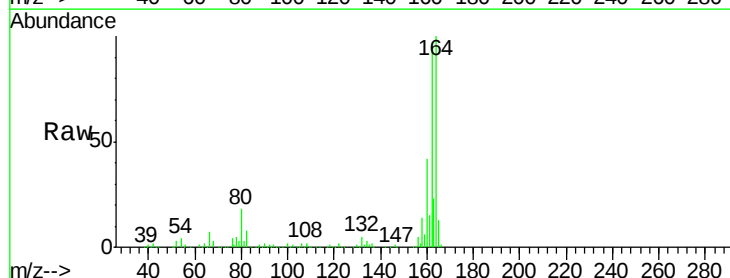
Instrument :  
 BNA\_G  
 ClientSampled :  
 SB-07-1.5-2.0

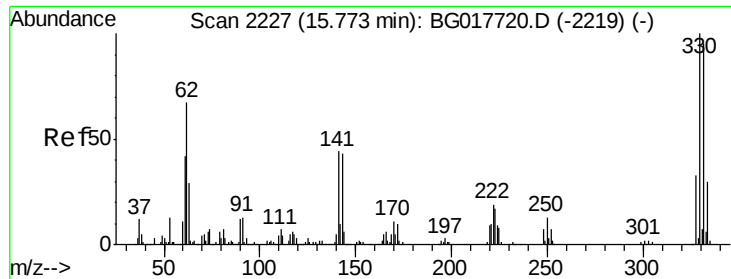
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 51.5  | 37.8  | 56.6  |
| 54      | 41.4  | 39.9  | 59.9  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.21 min Scan# 1961  
 Delta R.T. 0.00 min  
 Lab File: BG018045.D  
 Acq: 22 Jul 2015 6:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 96.5  | 76.3  | 114.5 |
| 160     | 42.3  | 33.7  | 50.5  |

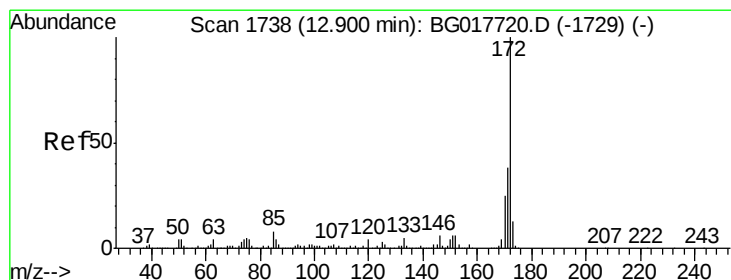
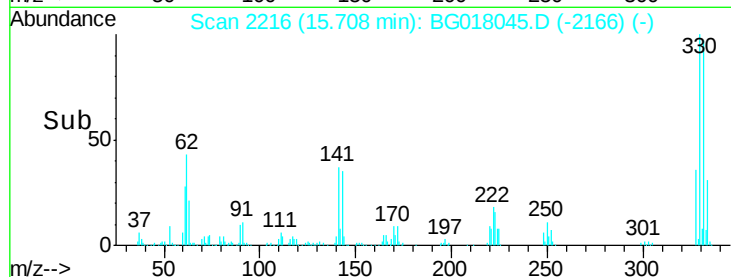
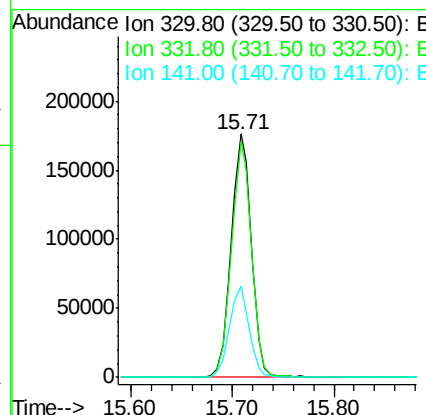
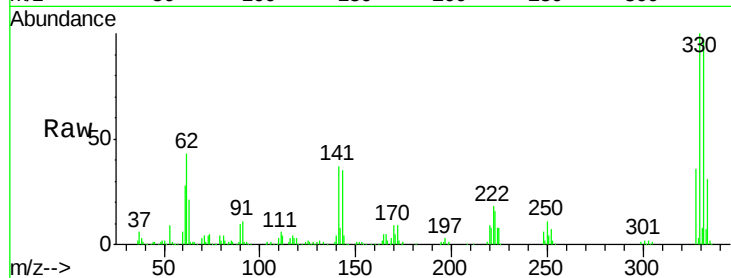




#41  
 2,4,6-Tribromophenol  
 Concen: 92.85 ng  
 RT: 15.71 min Scan# 2216  
 Delta R.T. -0.01 min  
 Lab File: BG018045.D  
 Acq: 22 Jul 2015 6:07

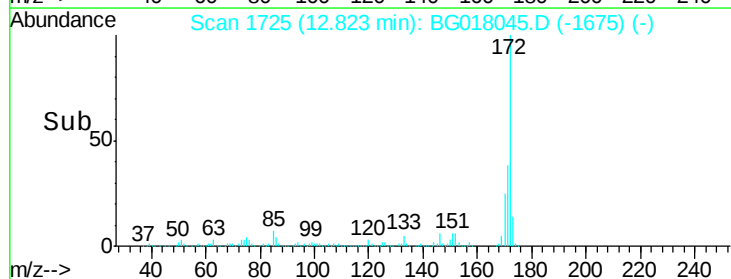
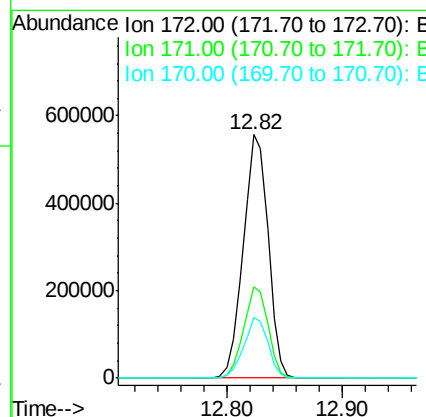
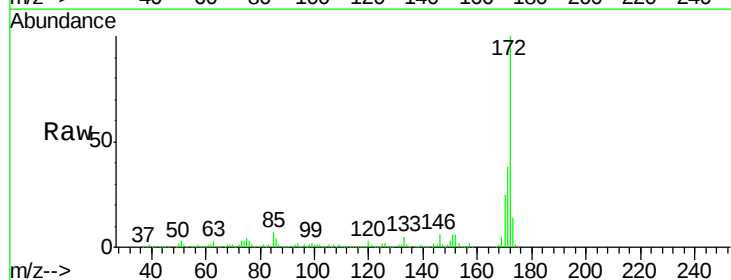
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-07-1.5-2.0

Tgt Ion: 330 Resp: 243597  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 76.8 115.2  
 141 36.8 38.0 57.0#



#44  
 2-Fluorobiphenyl  
 Concen: 55.58 ng  
 RT: 12.82 min Scan# 1725  
 Delta R.T. -0.01 min  
 Lab File: BG018045.D  
 Acq: 22 Jul 2015 6:07

Tgt Ion: 172 Resp: 830494  
 Ion Ratio Lower Upper  
 172 100  
 171 37.6 30.7 46.1  
 170 24.9 19.7 29.5





#49

Dimethylphthalate

Concen: 8.68 ng

RT: 13.67 min Scan# 1869

Delta R.T. -0.02 min

Lab File: BG018045.D

Acq: 22 Jul 2015 6:07

Instrument :

BNA\_G

ClientSampleId :

SB-07-1.5-2.0

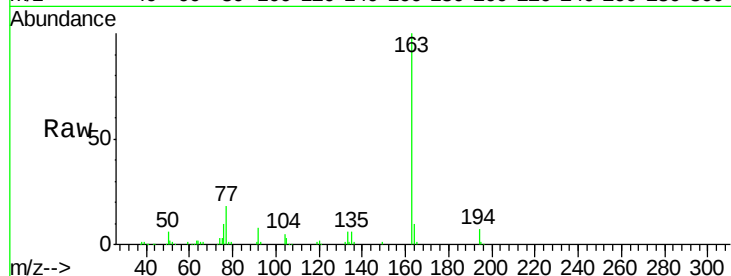
Tgt Ion:163 Resp: 156162

Ion Ratio Lower Upper

163 100

194 6.7 5.8 8.6

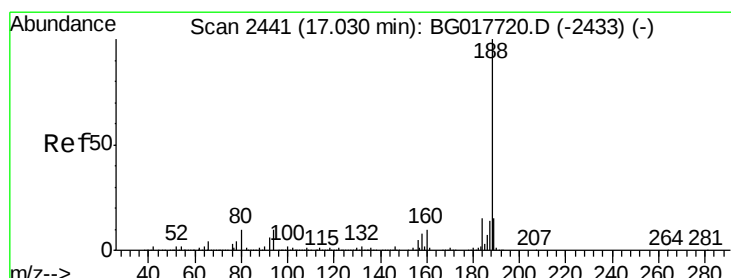
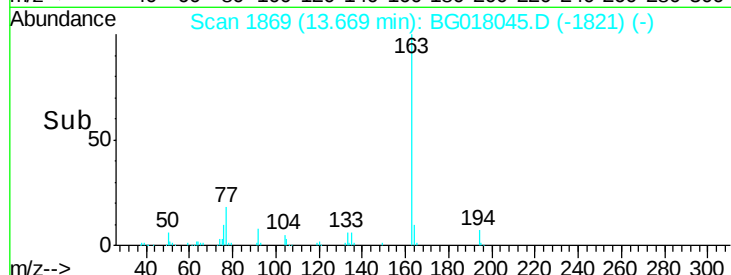
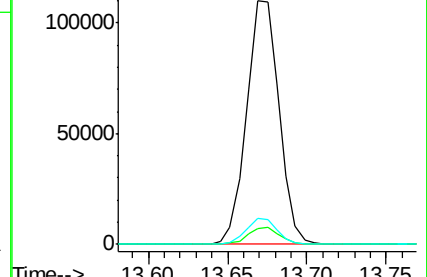
164 10.4 8.3 12.5



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: 16.97 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BG018045.D

Acq: 22 Jul 2015 6:07

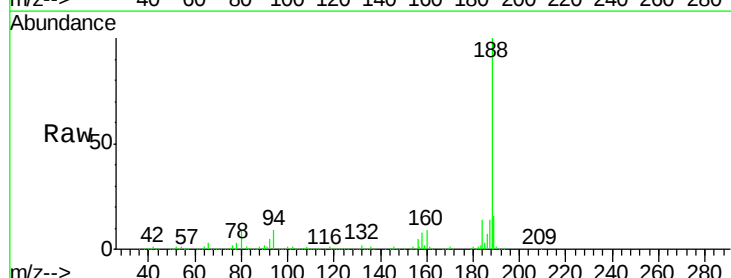
Tgt Ion:188 Resp: 539003

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

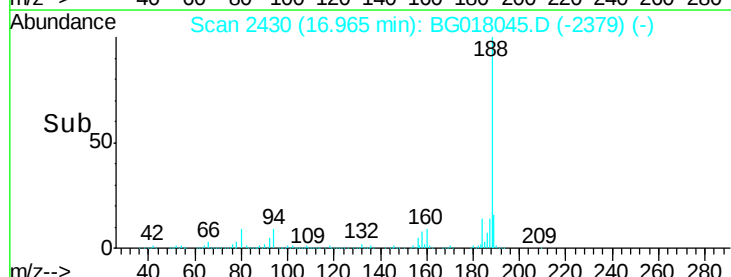
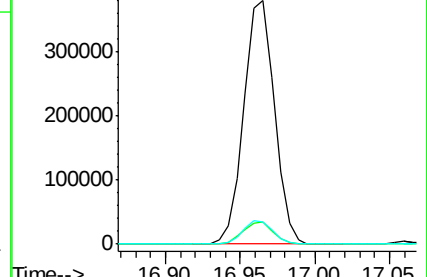
80 9.1 8.2 12.4

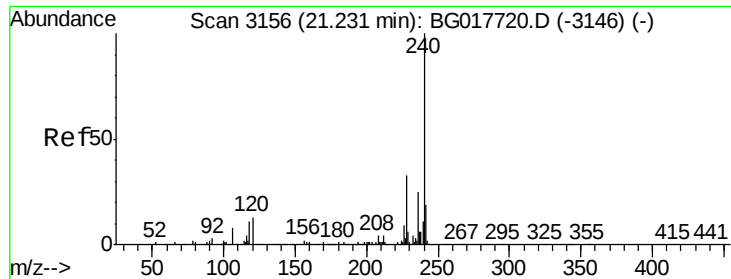


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.17 min Scan# 3145

Delta R.T. 0.00 min

Lab File: BG018045.D

Acq: 22 Jul 2015 6:07

Instrument :

BNA\_G

ClientSampleId :

SB-07-1.5-2.0

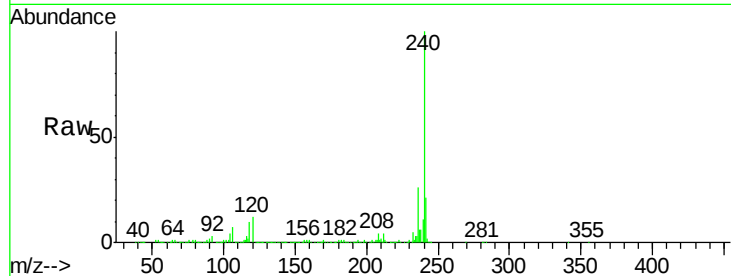
Tgt Ion:240 Resp: 566861

Ion Ratio Lower Upper

240 100

120 11.9 10.8 16.2

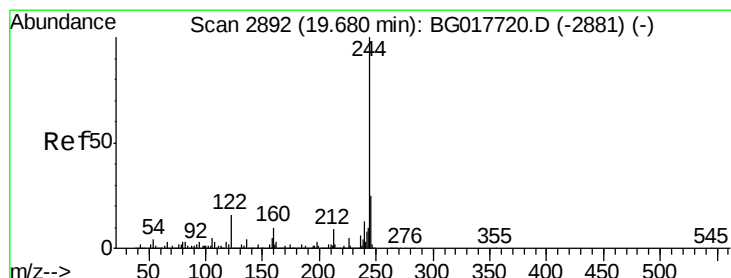
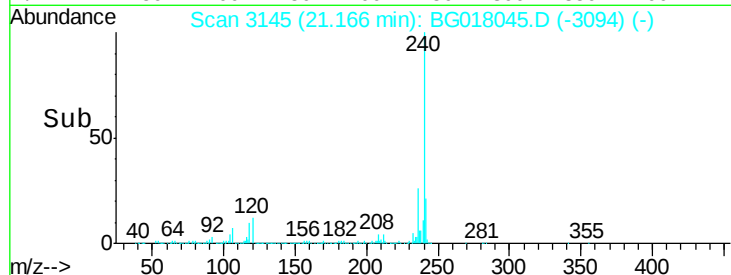
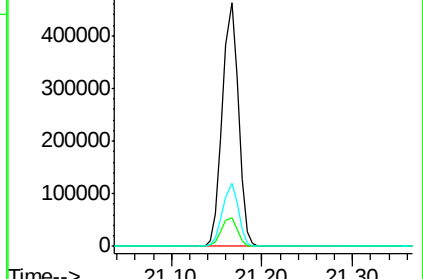
236 26.2 20.0 30.0



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: 49.66 ng

RT: 19.62 min Scan# 2881

Delta R.T. 0.00 min

Lab File: BG018045.D

Acq: 22 Jul 2015 6:07

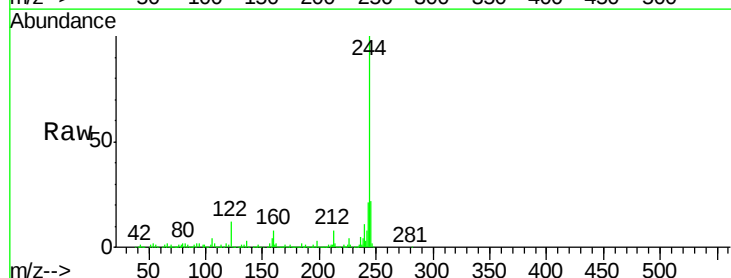
Tgt Ion:244 Resp: 1117636

Ion Ratio Lower Upper

244 100

212 7.8 7.2 10.8

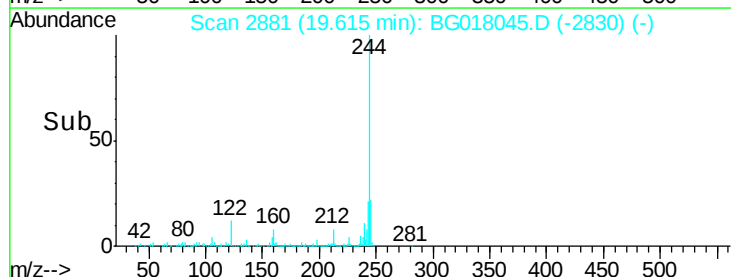
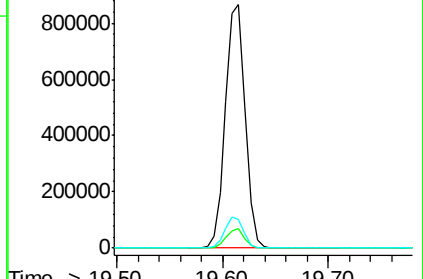
122 11.7 12.8 19.2#

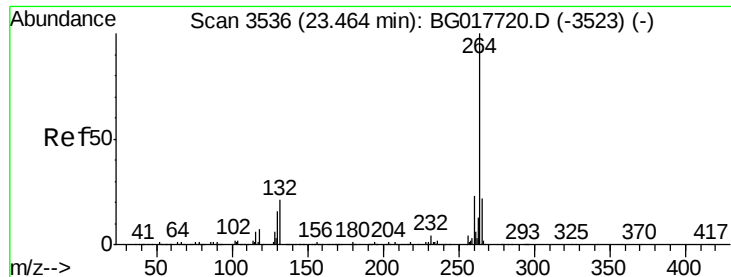


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.37 min Scan# 3520  
Delta R.T. 0.00 min  
Lab File: BG018045.D  
Acq: 22 Jul 2015 6:07

Instrument :  
BNA\_G  
ClientSampleId :  
SB-07-1.5-2.0

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 18.6  | 27.8  |
| 265     | 22.0  | 18.2  | 27.2  |

