

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091815\  
 Data File : BG018750.D  
 Acq On : 17 Sep 2015 22:59  
 Operator : TP  
 Sample : G3640-04  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
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Quant Time: Sep 18 02:51:19 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 11 10:44:16 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.00  | 152  | 39486    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.80 | 136  | 166761   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.63 | 164  | 124631   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.37 | 188  | 374635   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.62 | 240  | 417919   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.82 | 264  | 406295   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 155863   | 68.19  | ng    | 0.00     |
| 7) Phenol-d6                | 7.16  | 99   | 138548   | 42.27  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 261587   | 87.78  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.11 | 330  | 255679   | 152.36 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.25 | 172  | 751542   | 83.71  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.98 | 244  | 1406443  | 88.37  | ng    | 0.00     |

Target Compounds Qvalue

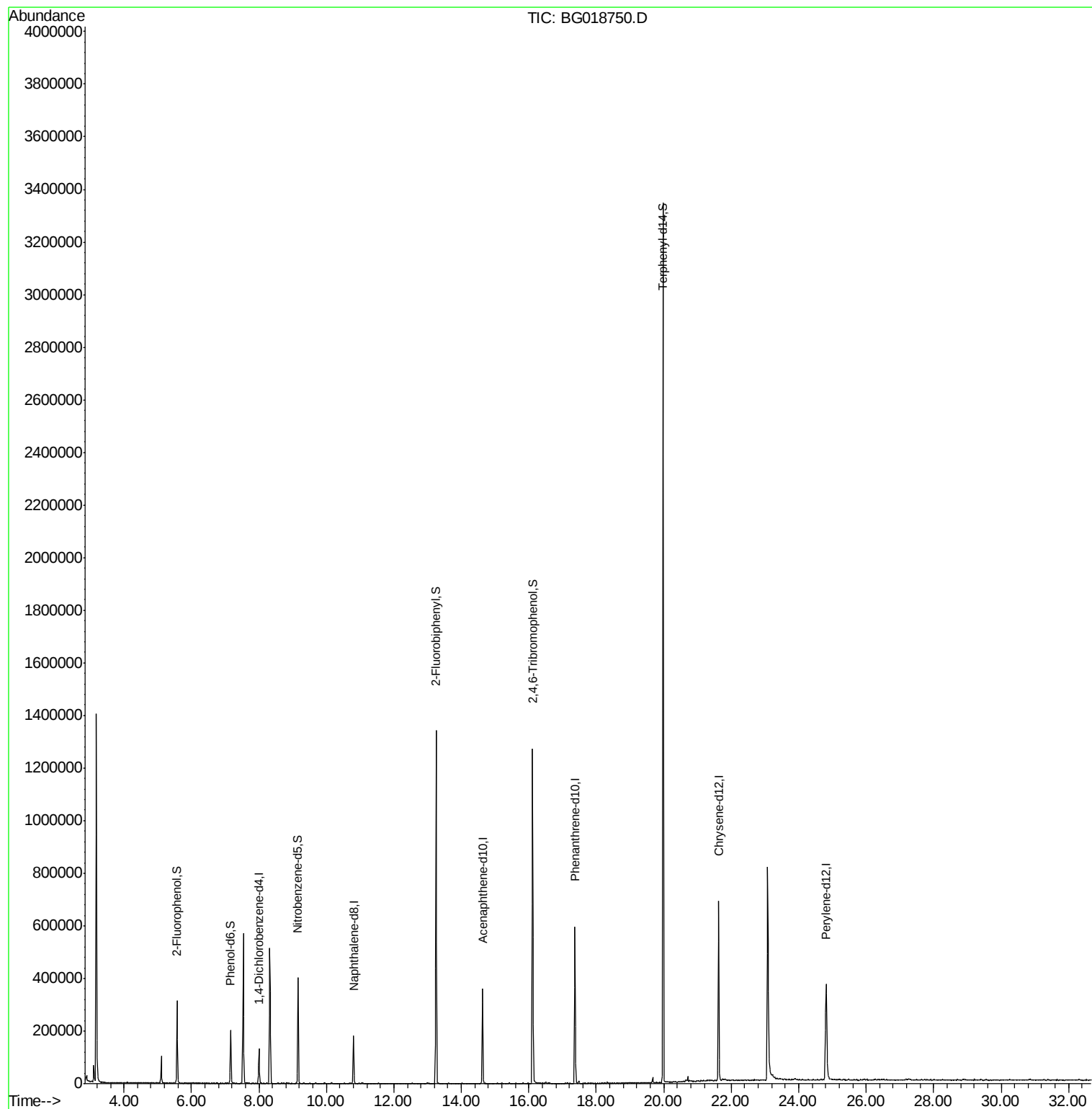
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



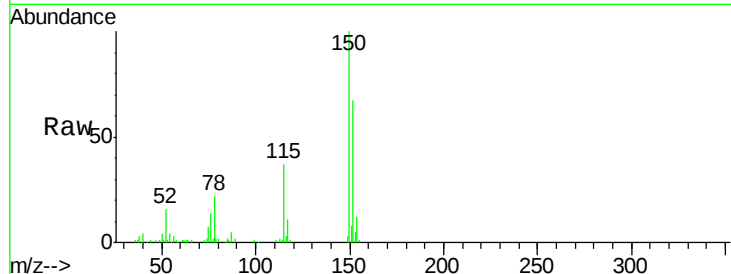


#1

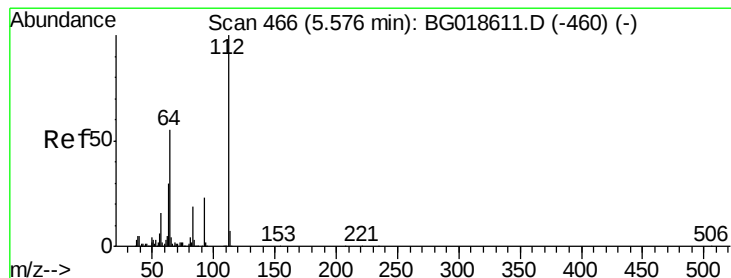
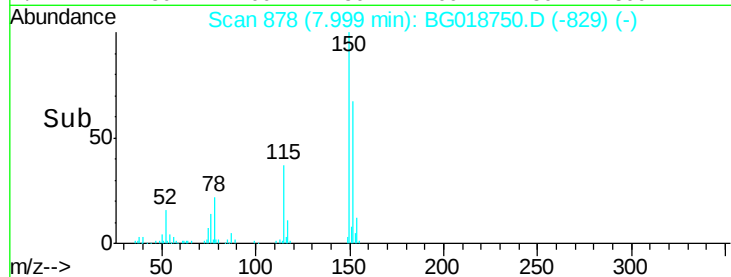
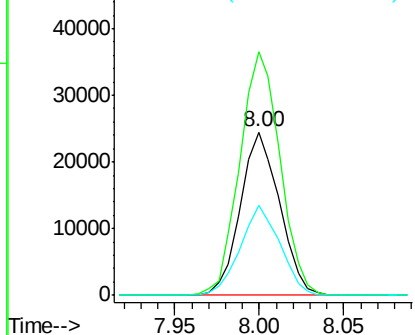
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.00 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: BG018750.D  
Acq: 17 Sep 2015 22:59

Instrument :  
BNA\_G  
ClientSampleId :  
FIELDBLANK

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.0 | 115.0 | 172.4 |
| 115     | 55.5  | 43.9  | 65.9  |



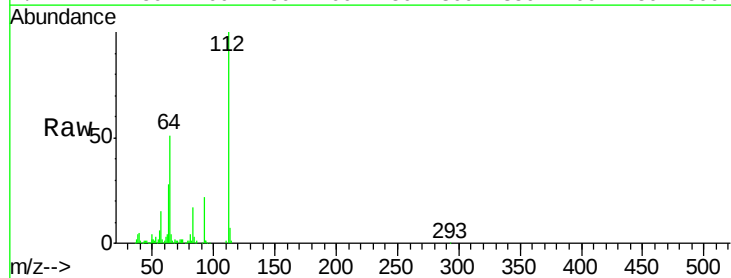
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



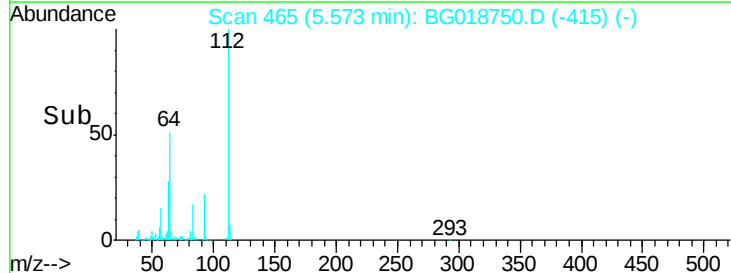
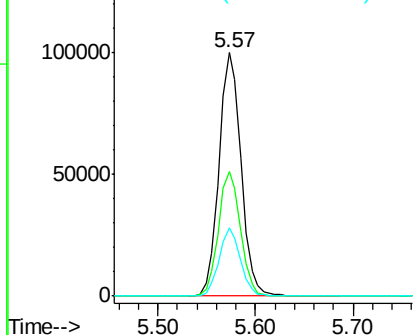
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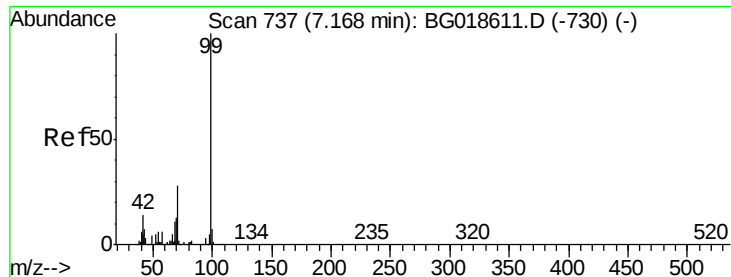
2-Fluorophenol  
Concen: 68.19 ng  
RT: 5.57 min Scan# 465  
Delta R.T. -0.00 min  
Lab File: BG018750.D  
Acq: 17 Sep 2015 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 51.0  | 43.7  | 65.5  |
| 63      | 28.0  | 24.0  | 36.0  |



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: 42.27 ng

RT: 7.16 min Scan# 735

Delta R.T. -0.00 min

Lab File: BG018750.D

Acq: 17 Sep 2015 22:59

Instrument :

BNA\_G

ClientSampleId :

FIELDBLANK

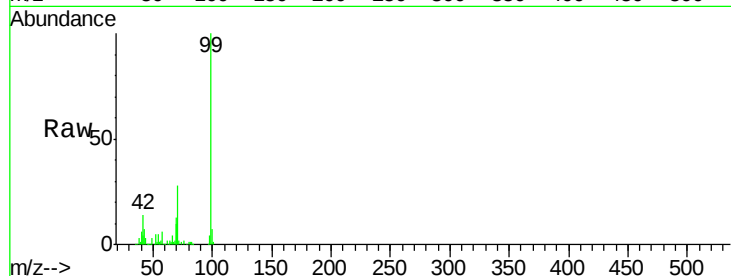
Tot Ion: 99 Resp: 138548

Ion Ratio Lower Upper

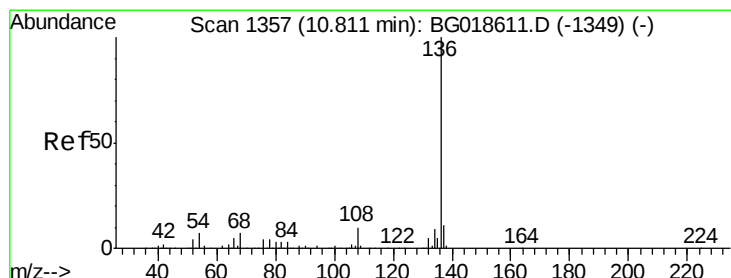
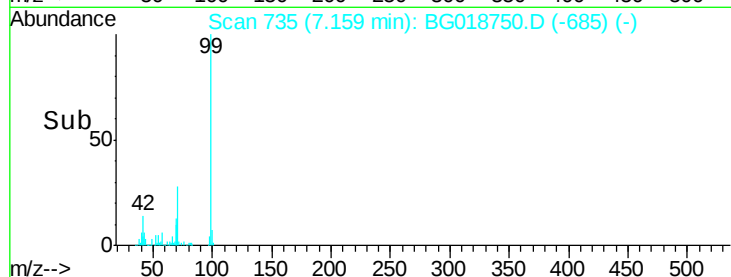
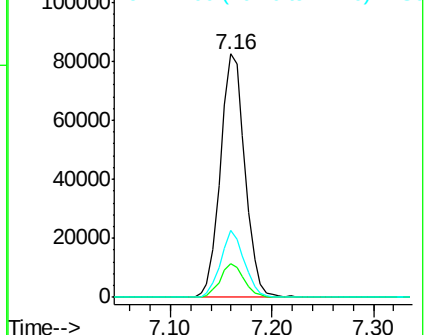
99 100

42 13.9 11.5 17.3

71 27.7 22.6 34.0



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: 10.80 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BG018750.D

Acq: 17 Sep 2015 22:59

Tgt Ion: 136 Resp: 166761

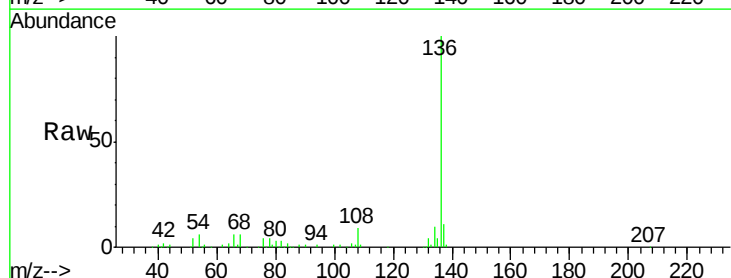
Ion Ratio Lower Upper

136 100

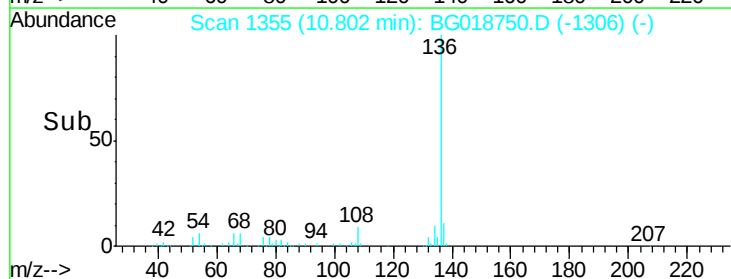
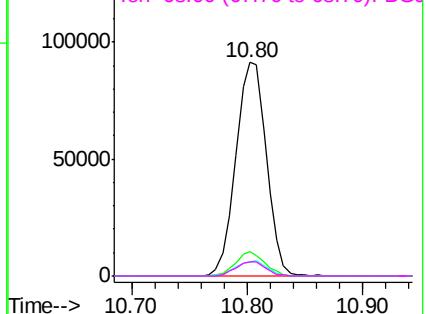
137 11.3 8.6 12.8

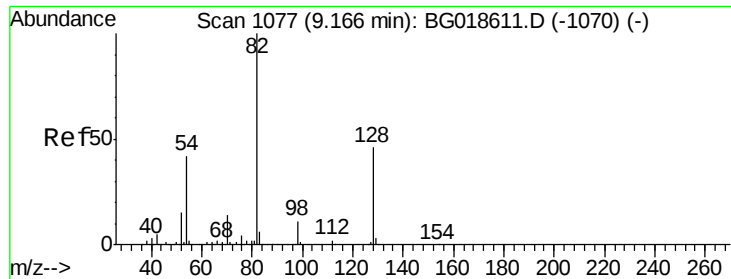
54 6.4 5.4 8.2

68 6.3 5.3 7.9



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

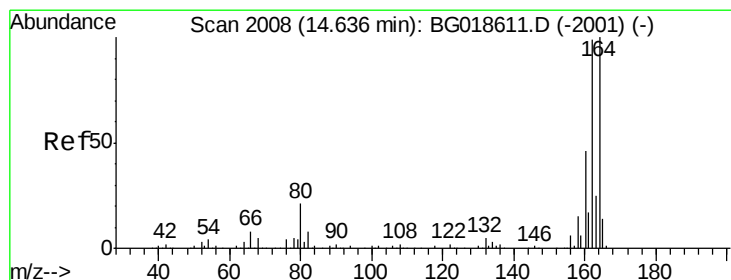
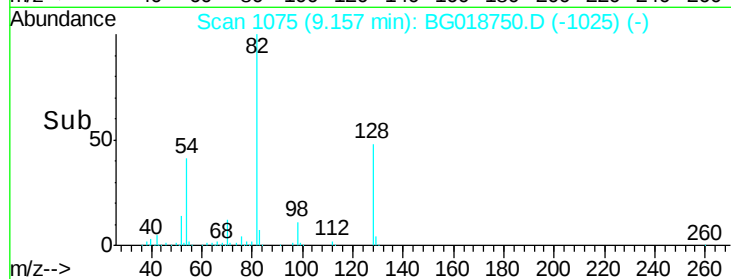
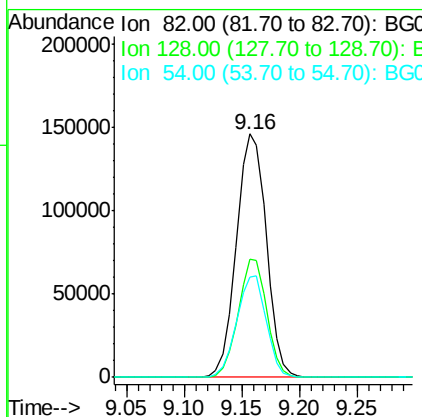
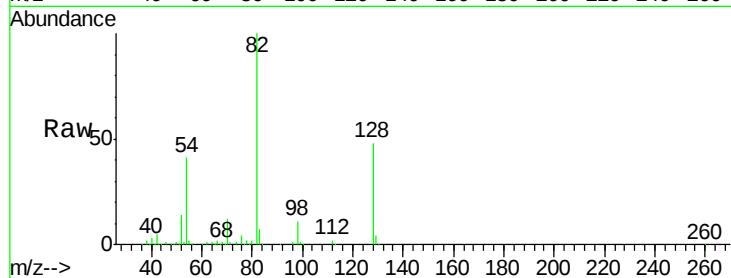




#23  
Nitrobenzene-d5  
Concen: 87.78 ng  
RT: 9.16 min Scan# 1075  
Delta R.T. -0.00 min  
Lab File: BG018750.D  
Acq: 17 Sep 2015 22:59

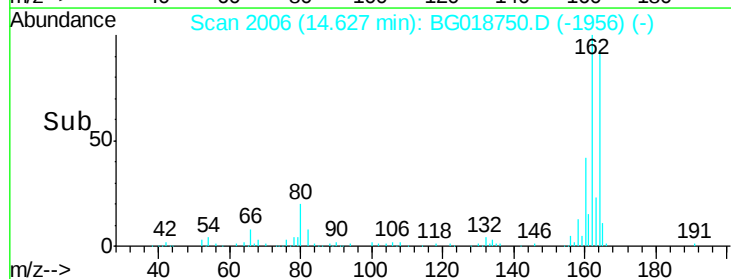
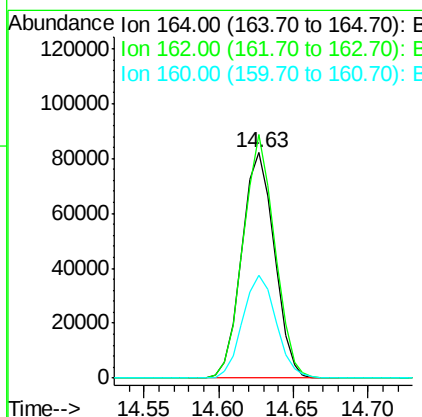
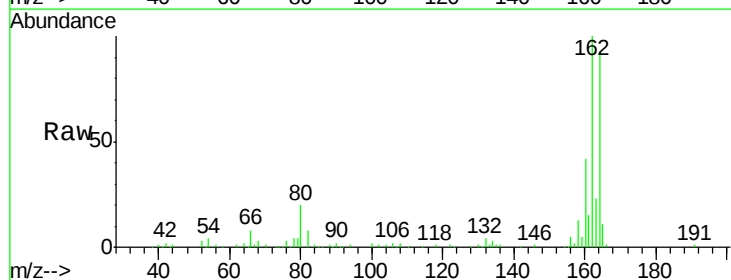
Instrument :  
BNA\_G  
ClientSampleId :  
FIELDBLANK

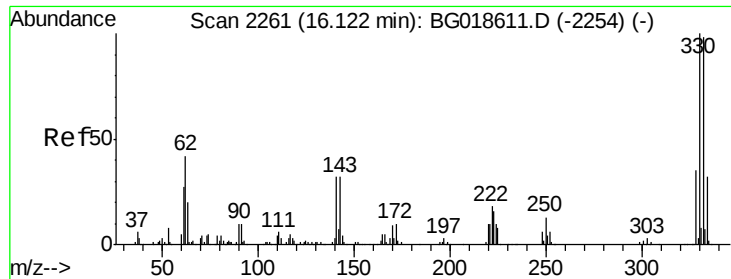
| Tot Ion   | 82   | Resp | 261587 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 36.7 |      |        |
| Upper     | 55.1 |      |        |
| 128       | 48.4 |      |        |
| 54        | 41.4 |      |        |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.63 min Scan# 2006  
Delta R.T. -0.00 min  
Lab File: BG018750.D  
Acq: 17 Sep 2015 22:59

| Tgt Ion   | 164   | Resp | 124631 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 78.8  |      |        |
| Upper     | 118.2 |      |        |
| 162       | 107.9 |      |        |
| 160       | 45.4  |      |        |

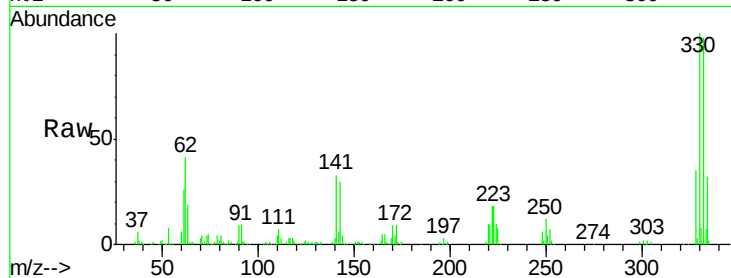




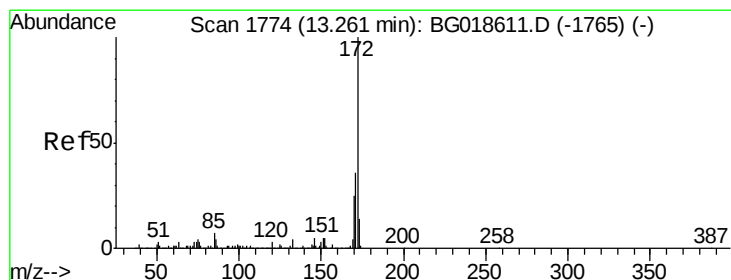
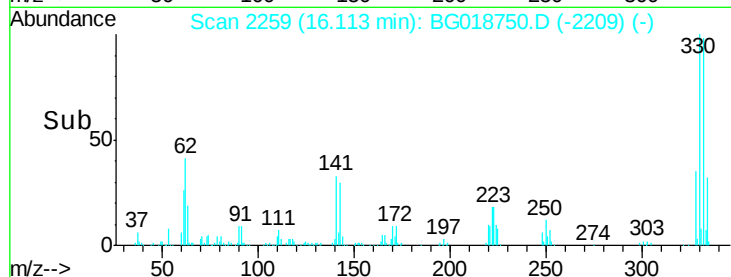
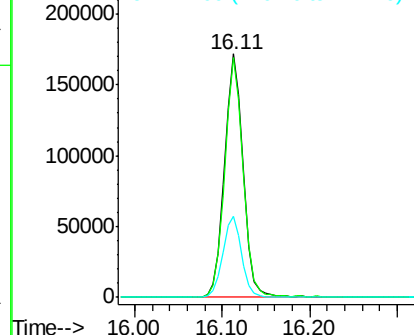
#41  
 2,4,6-Tribromophenol  
 Concen: 152.36 ng  
 RT: 16.11 min Scan# 2259  
 Delta R.T. -0.00 min  
 Lab File: BG018750.D  
 Acq: 17 Sep 2015 22:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FIELDBLANK

Tot Ion:330 Resp: 255679  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 78.1 117.1  
 141 33.5 28.2 42.2

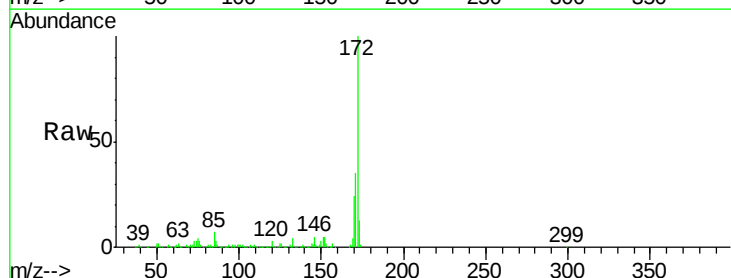


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

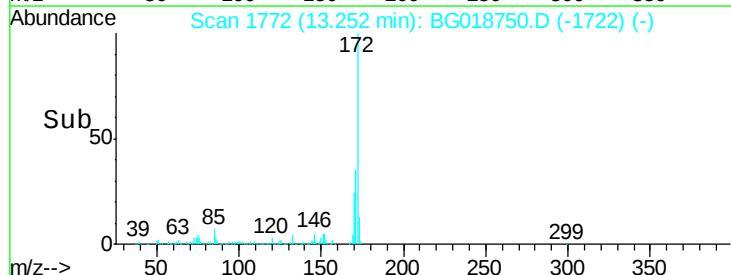
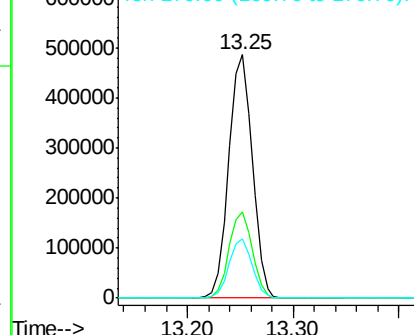


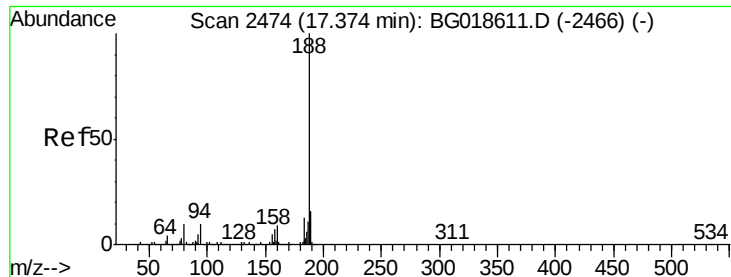
#44  
 2-Fluorobiphenyl  
 Concen: 83.71 ng  
 RT: 13.25 min Scan# 1772  
 Delta R.T. -0.00 min  
 Lab File: BG018750.D  
 Acq: 17 Sep 2015 22:59

Tgt Ion:172 Resp: 751542  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 29.0 43.6  
 170 24.1 19.9 29.9



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.37 min Scan# 2473

Delta R.T. -0.00 min

Lab File: BG018750.D

Acq: 17 Sep 2015 22:59

Instrument :

BNA\_G

ClientSampleId :

FIELDBLANK

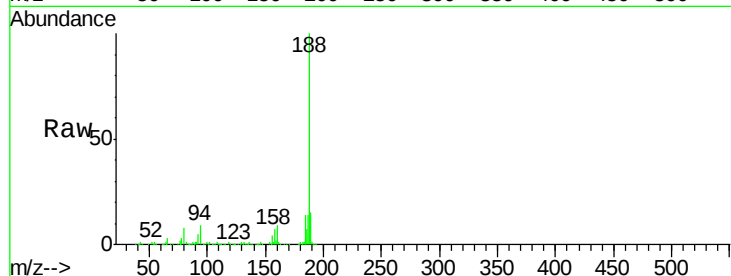
Tot Ion:188 Resp: 374635

Ion Ratio Lower Upper

188 100

94 9.1 7.7 11.5

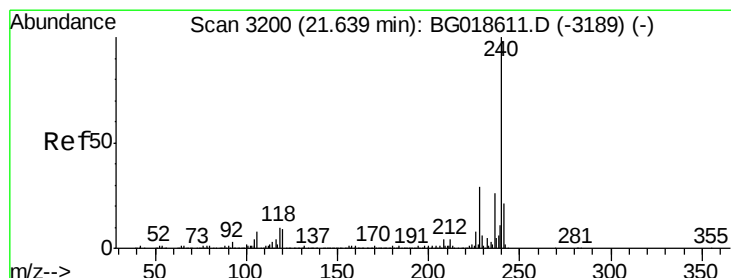
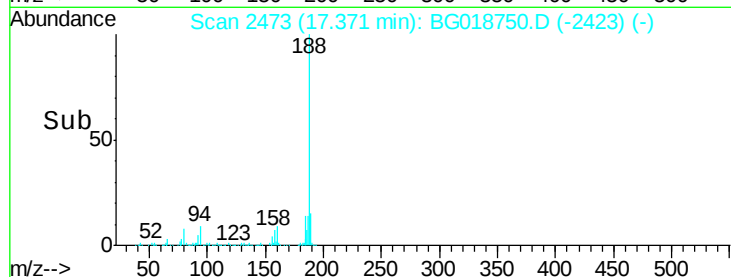
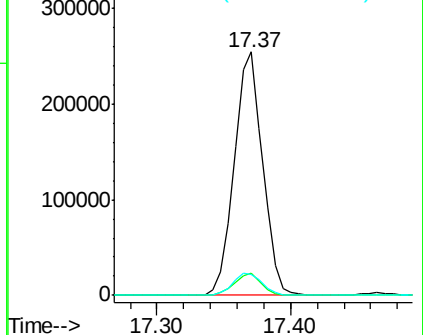
80 8.5 7.8 11.8



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: 21.62 min Scan# 3197

Delta R.T. -0.01 min

Lab File: BG018750.D

Acq: 17 Sep 2015 22:59

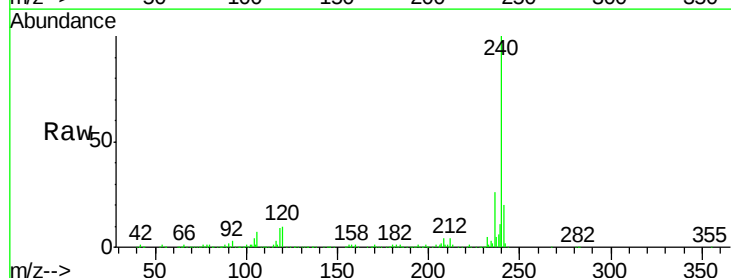
Tgt Ion:240 Resp: 417919

Ion Ratio Lower Upper

240 100

120 10.2 7.4 11.0

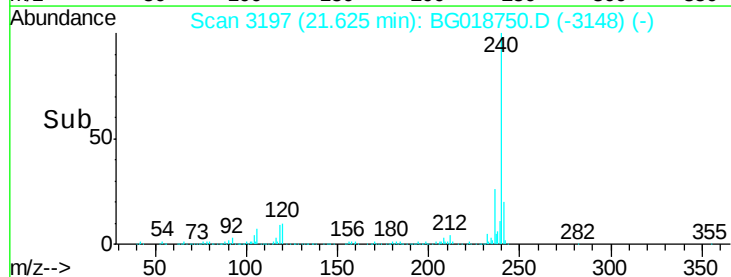
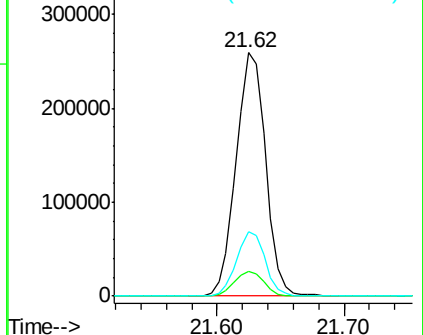
236 26.4 20.7 31.1

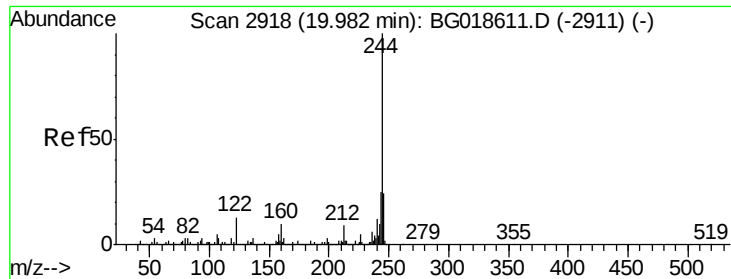


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

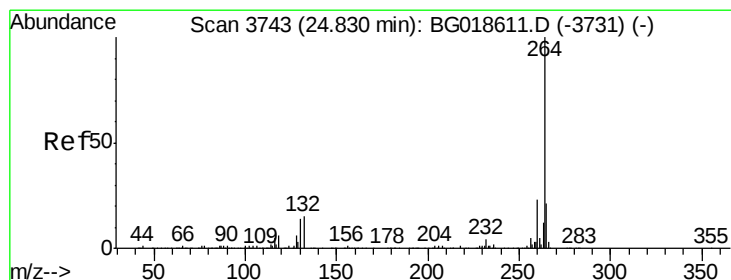
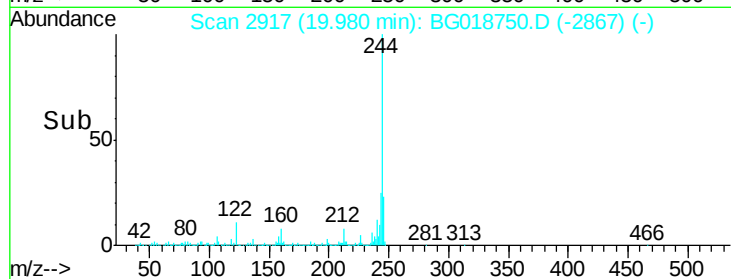
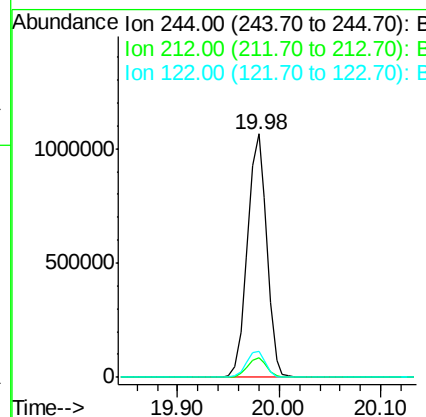
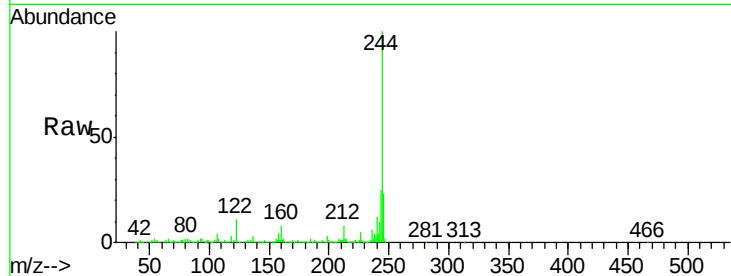




#78  
 Terphenyl-d14  
 Concen: 88.37 ng  
 RT: 19.98 min Scan# 2917  
 Delta R.T. -0.00 min  
 Lab File: BG018750.D  
 Acq: 17 Sep 2015 22:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
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Tot Ion:244 Resp: 1406443  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.9 10.3  
 122 10.9 10.2 15.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 24.82 min Scan# 3740  
 Delta R.T. -0.01 min  
 Lab File: BG018750.D  
 Acq: 17 Sep 2015 22:59

Tgt Ion:264 Resp: 406295  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 18.5 27.7  
 265 23.2 17.2 25.8

