

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091815\  
 Data File : BG018735.D  
 Acq On : 17 Sep 2015 12:43  
 Operator : TP  
 Sample : PB85527BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB85527BL

Quant Time: Sep 18 03:43:36 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 18 03:41:39 2015  
 Response via : Initial Calibration

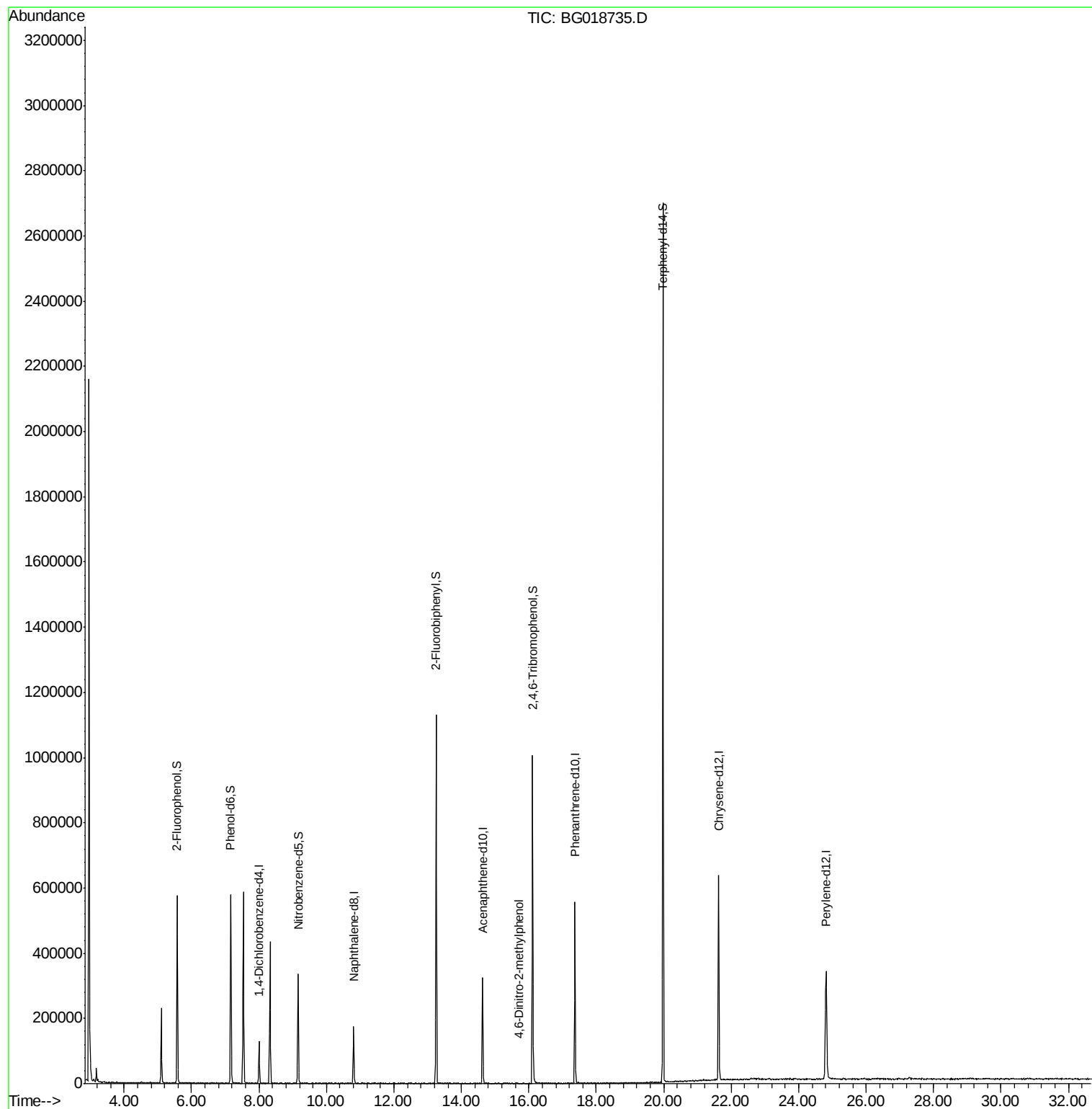
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|--------------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4      | 8.00  | 152  | 38776    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8             | 10.80 | 136  | 157930   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10           | 14.62 | 164  | 117173   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10           | 17.37 | 188  | 344535   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12               | 21.63 | 240  | 380508   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12               | 24.81 | 264  | 378443   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds    |       |      |          |        |       |                |
| 5) 2-Fluorophenol              | 5.58  | 112  | 281638   | 125.47 | ng    | 0.00           |
| 7) Phenol-d6                   | 7.16  | 99   | 391094   | 121.52 | ng    | 0.00           |
| 23) Nitrobenzene-d5            | 9.16  | 82   | 213753   | 75.74  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol       | 16.11 | 330  | 213587   | 135.38 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl           | 13.25 | 172  | 617020   | 73.10  | ng    | 0.00           |
| 78) Terphenyl-d14              | 19.98 | 244  | 1159036  | 79.99  | ng    | 0.00           |
| Target Compounds               |       |      |          |        |       |                |
| 64) 4,6-Dinitro-2-methylphenol | 15.71 | 198  | 62       | 5.43   | ng    | Qvalue<br># 37 |

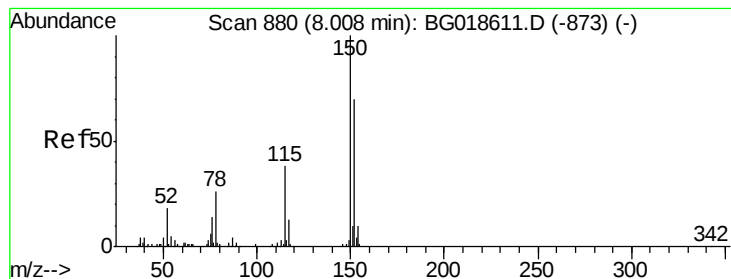
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 18 03:41:39 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.00 min Scan# 879

Delta R.T. 0.00 min

Lab File: BG018735.D

Acq: 17 Sep 2015 12:43

Instrument :

BNA\_G

ClientSampleId :

PB85527BL

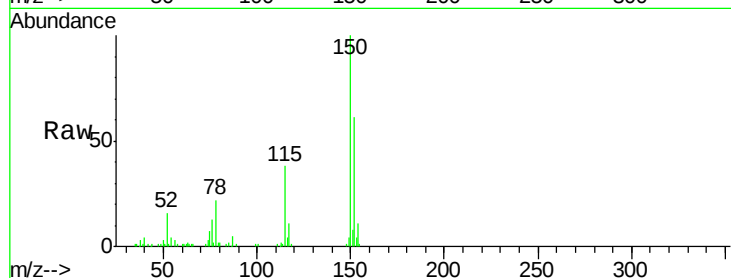
Tot Ion:152 Resp: 38776

Ion Ratio Lower Upper

152 100

150 163.8 115.0 172.4

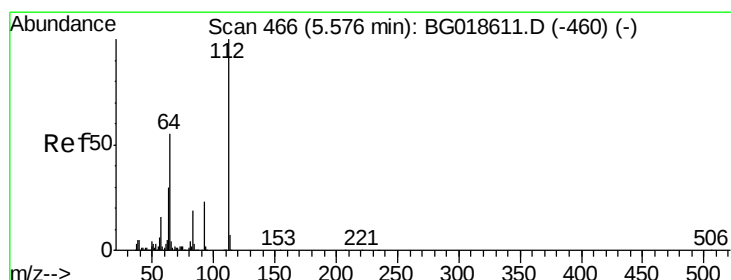
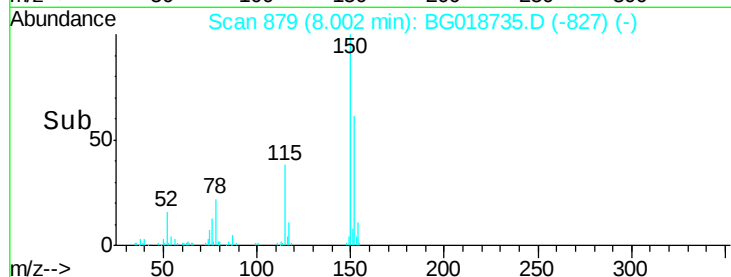
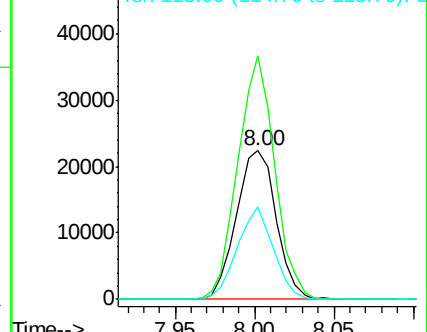
115 61.9 43.9 65.9



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



#5

2-Fluorophenol

Concen: 125.47 ng

RT: 5.58 min Scan# 466

Delta R.T. 0.00 min

Lab File: BG018735.D

Acq: 17 Sep 2015 12:43

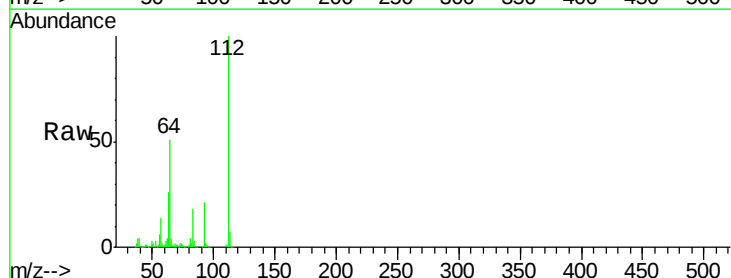
Tgt Ion:112 Resp: 281638

Ion Ratio Lower Upper

112 100

64 51.2 43.7 65.5

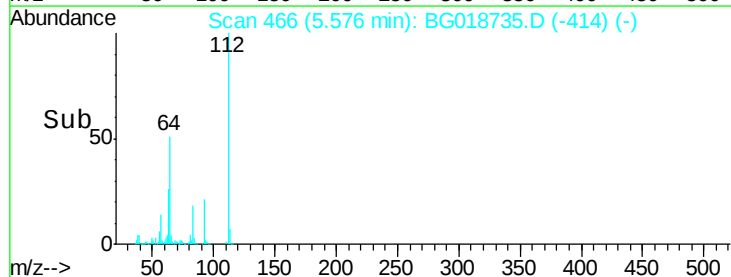
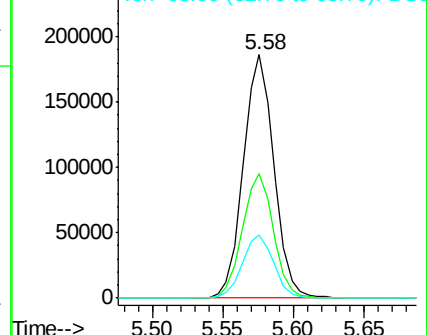
63 26.0 24.0 36.0

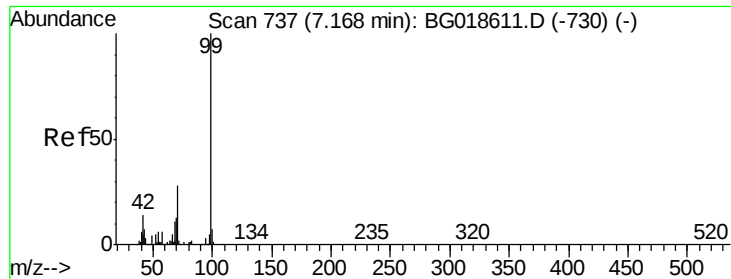


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 121.52 ng

RT: 7.16 min Scan# 736

Delta R.T. -0.00 min

Lab File: BG018735.D

Acq: 17 Sep 2015 12:43

Instrument :

BNA\_G

ClientSampleId :

PB85527BL

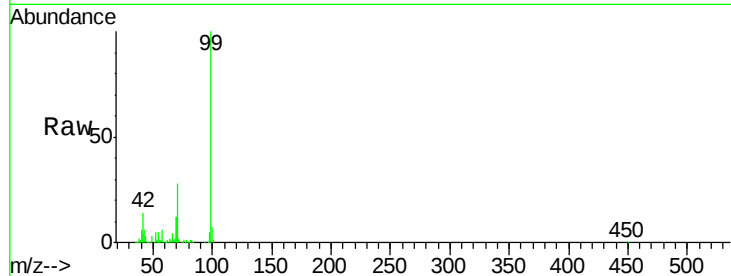
Tot Ion: 99 Resp: 391094

Ion Ratio Lower Upper

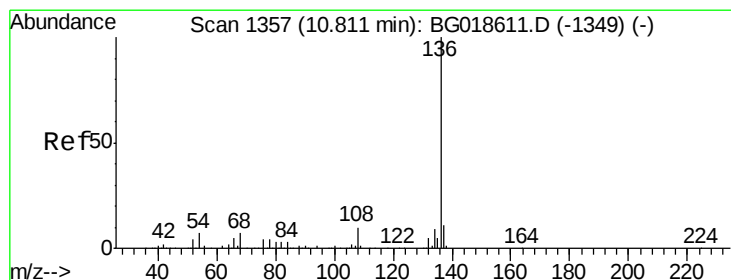
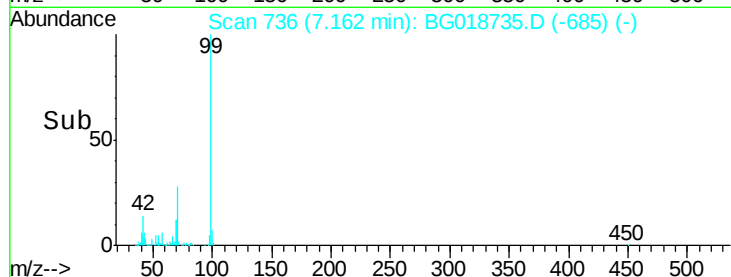
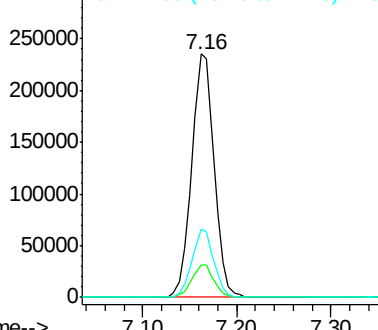
99 100

42 13.5 11.5 17.3

71 28.2 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# 1356

Delta R.T. -0.00 min

Lab File: BG018735.D

Acq: 17 Sep 2015 12:43

Tgt Ion: 136 Resp: 157930

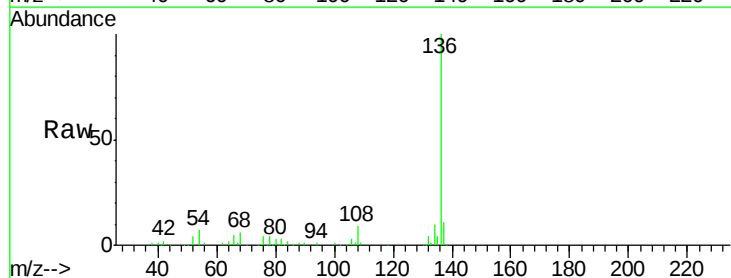
Ion Ratio Lower Upper

136 100

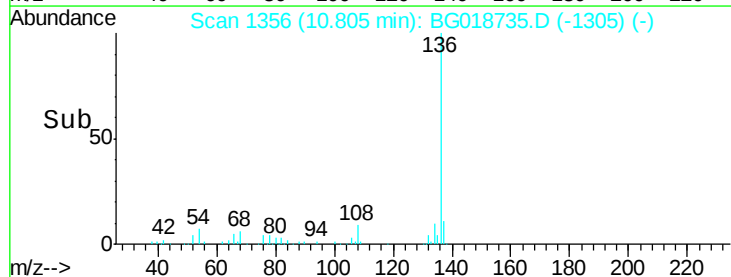
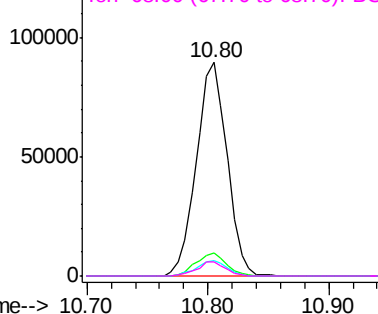
137 11.0 8.6 12.8

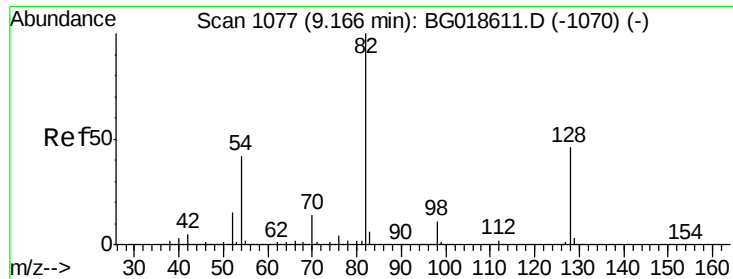
54 7.0 5.4 8.2

68 6.4 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

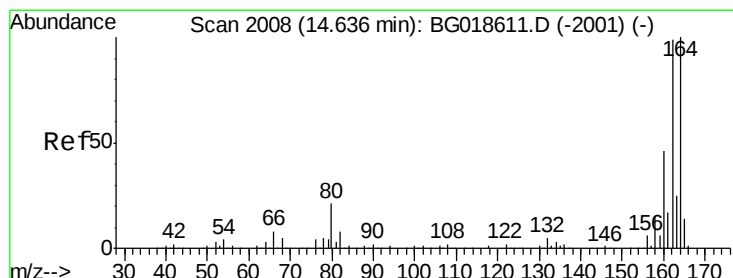
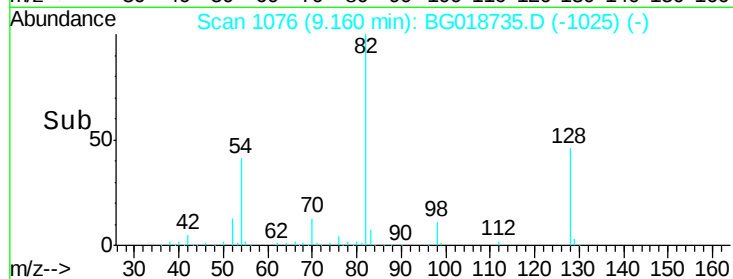
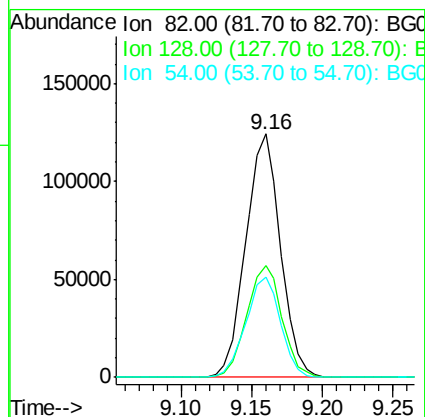
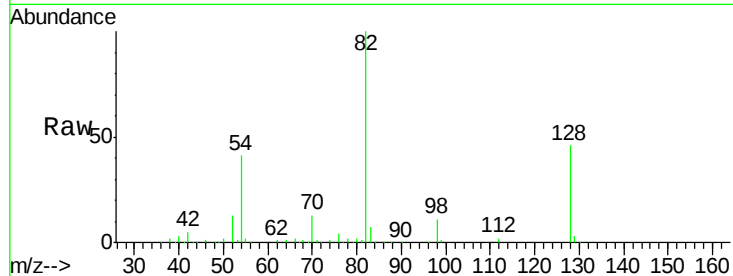




#23  
 Nitrobenzene-d5  
 Concen: 75.74 ng  
 RT: 9.16 min Scan# 1076  
 Delta R.T. -0.00 min  
 Lab File: BG018735.D  
 Acq: 17 Sep 2015 12:43

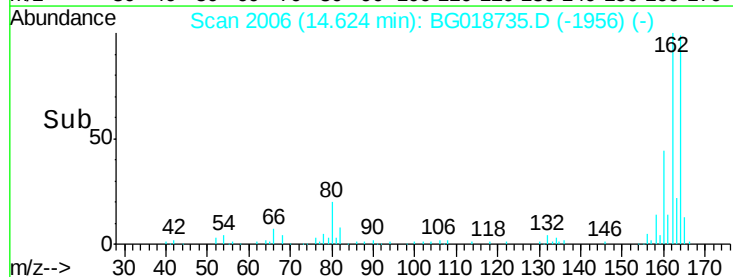
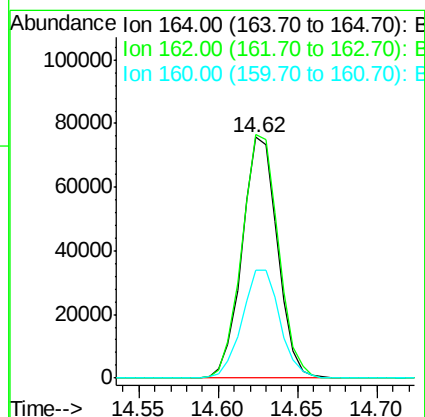
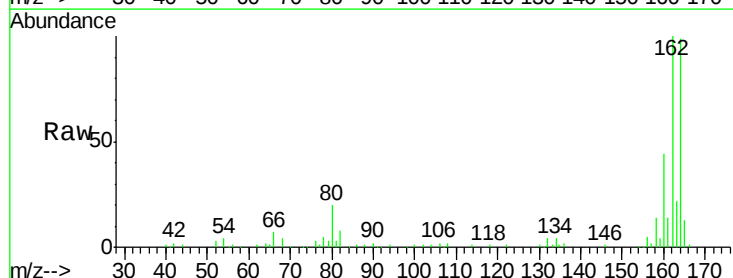
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB85527BL

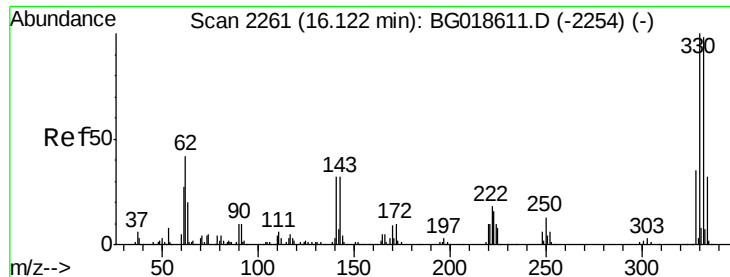
| Tot Ion   | 82    | Resp  | 213753 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.7  | 36.7  | 55.1   |
| 54        | 41.4  | 33.8  | 50.8   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.62 min Scan# 2006  
 Delta R.T. -0.01 min  
 Lab File: BG018735.D  
 Acq: 17 Sep 2015 12:43

| Tgt Ion   | 164   | Resp  | 117173 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.1 | 78.8  | 118.2  |
| 160       | 44.9  | 36.4  | 54.6   |

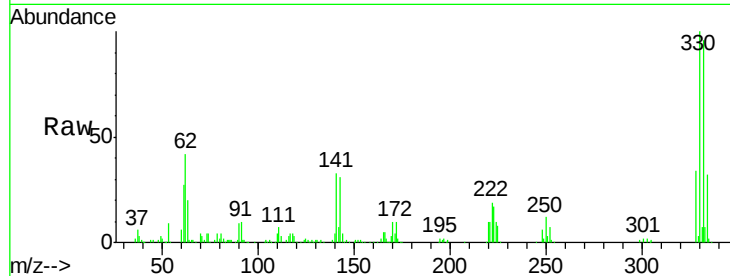




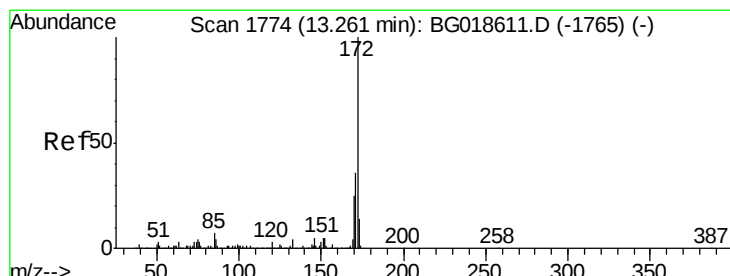
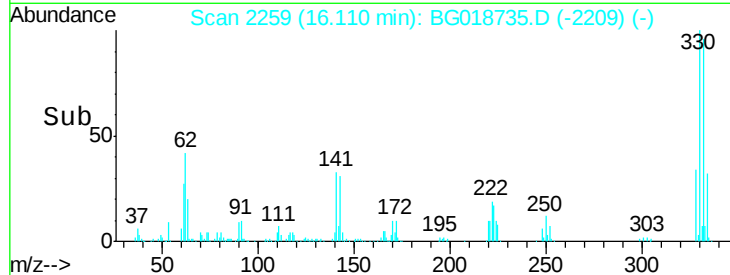
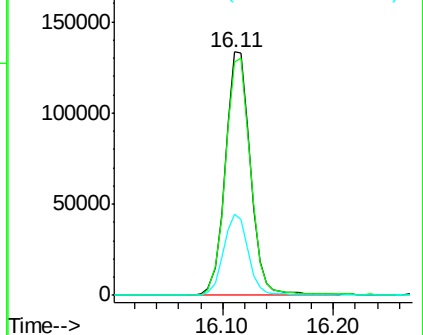
#41  
 2,4,6-Tribromophenol  
 Concen: 135.38 ng  
 RT: 16.11 min Scan# 2259  
 Delta R.T. -0.01 min  
 Lab File: BG018735.D  
 Acq: 17 Sep 2015 12:43

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB85527BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 78.1  | 117.1 |
| 141     | 32.9  | 28.2  | 42.2  |

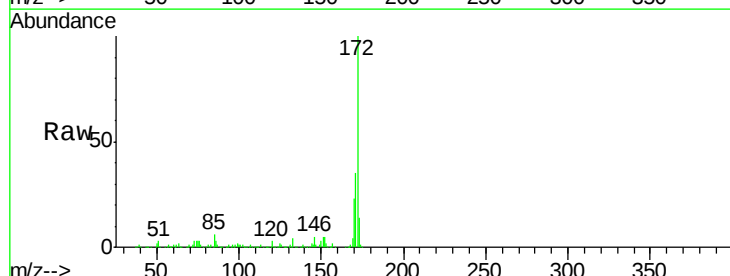


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

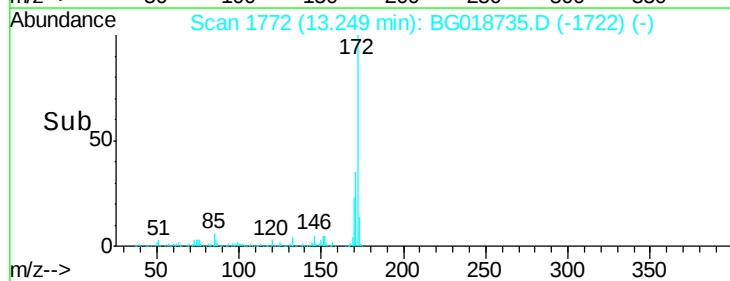
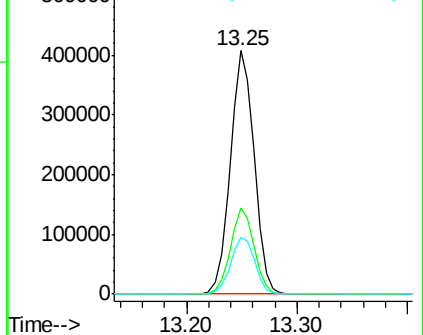


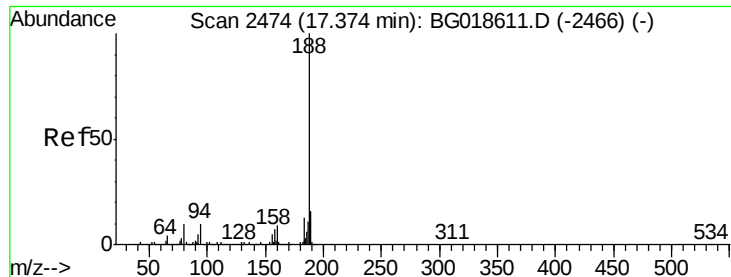
#44  
 2-Fluorobiphenyl  
 Concen: 73.10 ng  
 RT: 13.25 min Scan# 1772  
 Delta R.T. -0.01 min  
 Lab File: BG018735.D  
 Acq: 17 Sep 2015 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 29.0  | 43.6  |
| 170     | 23.4  | 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. -0.01 min

Lab File: BG018735.D

Acq: 17 Sep 2015 12:43

Instrument :

BNA\_G

ClientSampleId :

PB85527BL

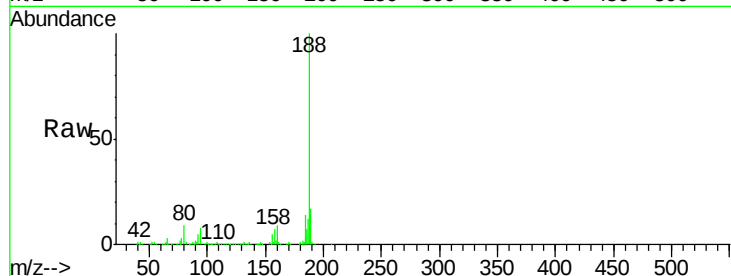
Tot Ion:188 Resp: 344535

Ion Ratio Lower Upper

188 100

94 8.4 7.7 11.5

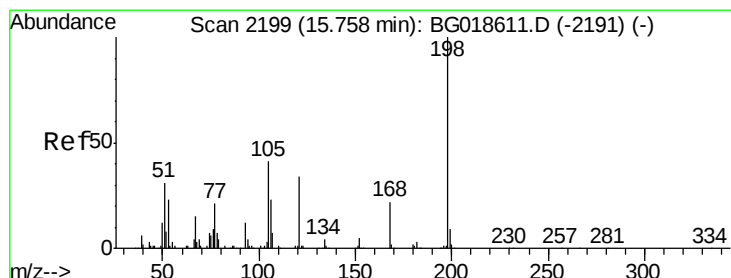
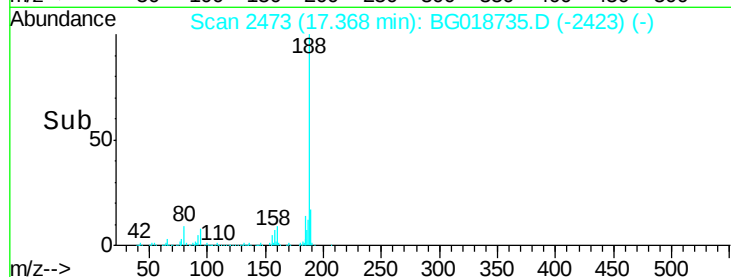
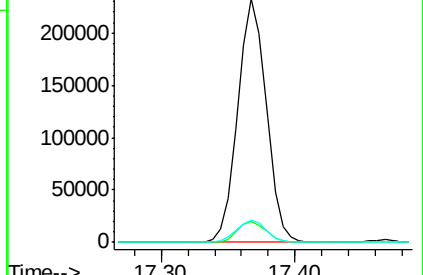
80 9.3 7.8 11.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.43 ng

RT: 15.71 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BG018735.D

Acq: 17 Sep 2015 12:43

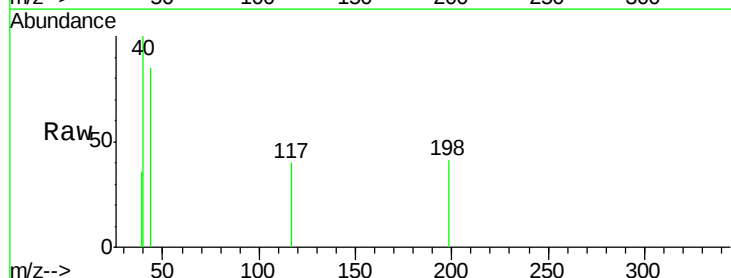
Tgt Ion:198 Resp: 62

Ion Ratio Lower Upper

198 100

51 0.0 14.2 54.2#

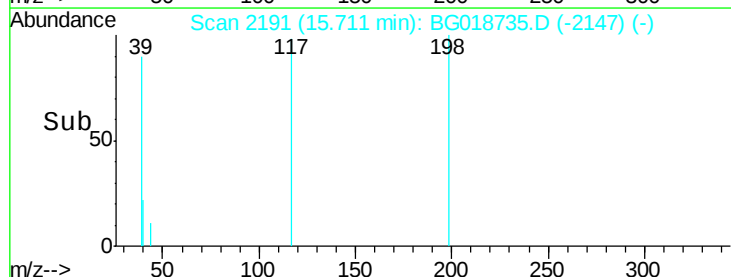
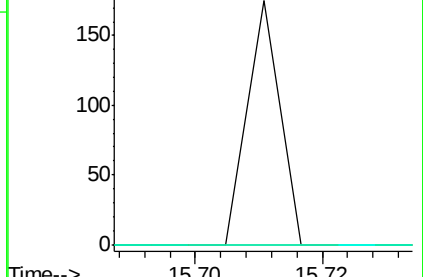
105 0.0 21.1 61.1#

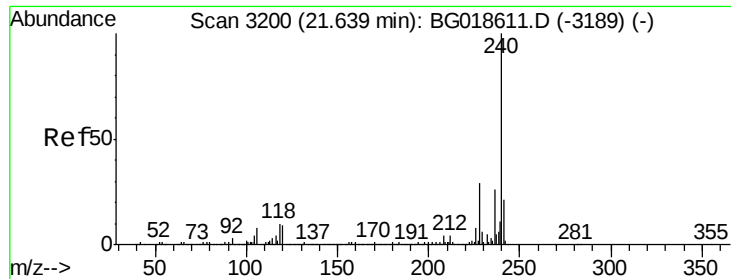


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3198

Delta R.T. -0.01 min

Lab File: BG018735.D

Acq: 17 Sep 2015 12:43

Instrument :

BNA\_G

ClientSampleId :

PB85527BL

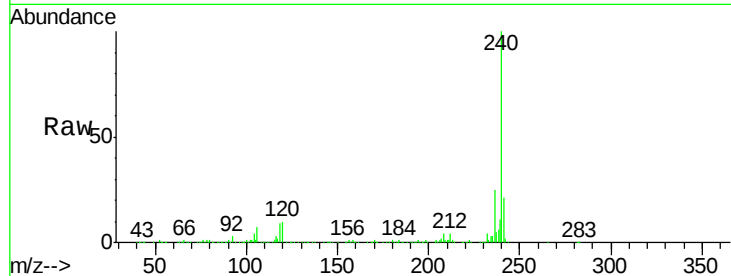
Tot Ion:240 Resp: 380508

Ion Ratio Lower Upper

240 100

120 9.9 7.4 11.0

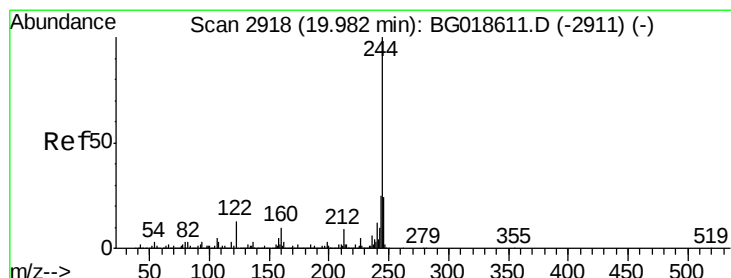
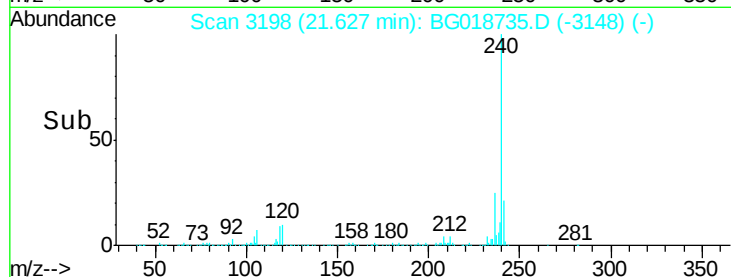
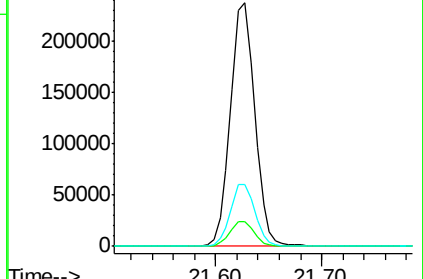
236 25.5 20.7 31.1



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: 79.99 ng

RT: 19.98 min Scan# 2917

Delta R.T. -0.00 min

Lab File: BG018735.D

Acq: 17 Sep 2015 12:43

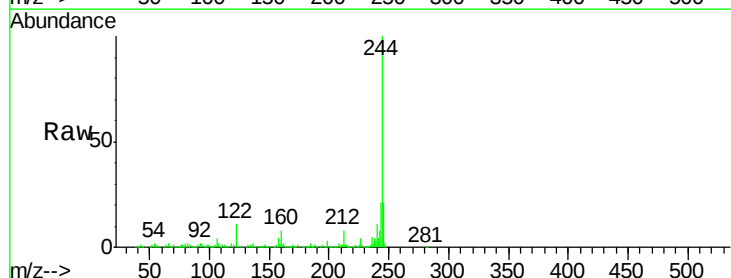
Tgt Ion:244 Resp: 1159036

Ion Ratio Lower Upper

244 100

212 7.9 6.9 10.3

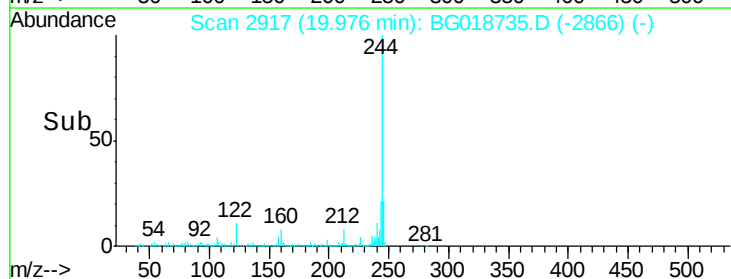
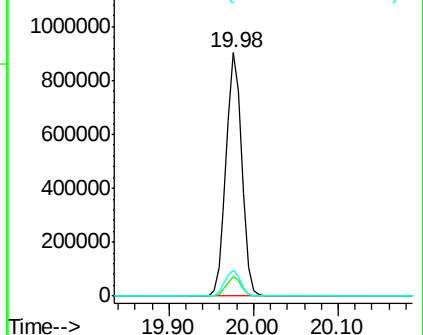
122 10.9 10.2 15.2

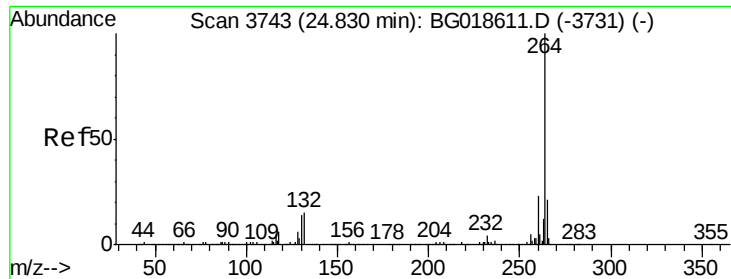


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 24.81 min Scan# 3740  
Delta R.T. -0.01 min  
Lab File: BG018735.D  
Acq: 17 Sep 2015 12:43

Instrument :  
BNA\_G  
ClientSampleId :  
PB85527BL

Tot Ion: 264 Resp: 378443  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.5  | 27.7  |
| 265 | 21.1  | 17.2  | 25.8  |

