

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011217\  
 Data File : BG025504.D  
 Acq On : 13 Jan 2017 5:36  
 Operator : UM/SJ  
 Sample : I1135-05  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-10

Quant Time: Jan 13 06:25:30 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 10 11:26:22 2017  
 Response via : Initial Calibration

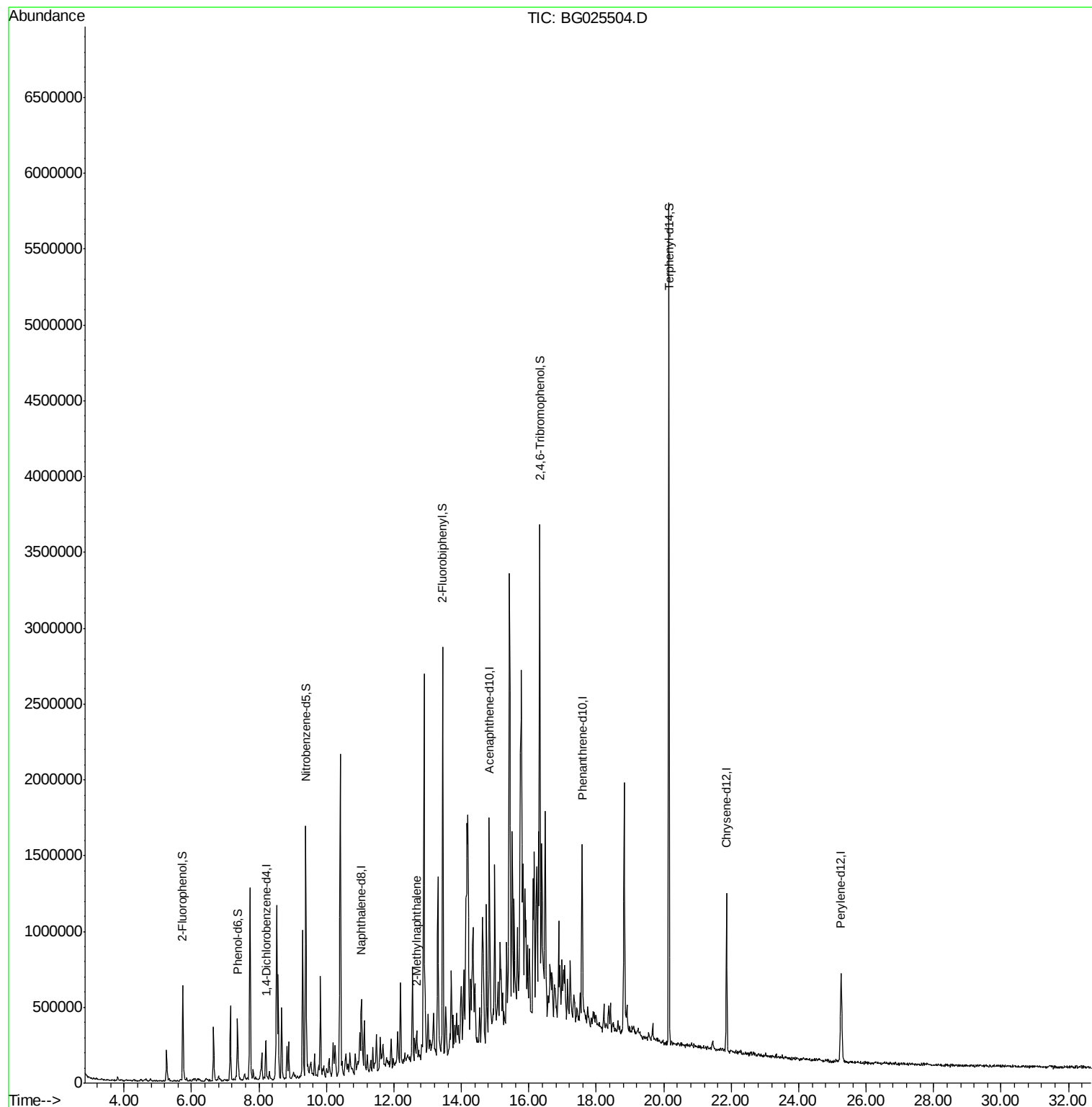
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.20  | 152  | 64382    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 11.03 | 136  | 273023   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.83 | 164  | 306106   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.57 | 188  | 491453   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.86 | 240  | 685726   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.26 | 264  | 730847   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.74  | 112  | 254834   | 71.95  | ng    | 0.00         |
| 7) Phenol-d6                | 7.36  | 99   | 235657   | 47.24  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.39  | 82   | 628274   | 101.66 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.32 | 330  | 536428   | 108.85 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.45 | 172  | 1325353  | 70.10  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.15 | 244  | 2175633  | 84.12  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 37) 2-Methylnaphthalene     | 12.67 | 142  | 83576    | 8.27   | ng    | Qvalue<br>96 |

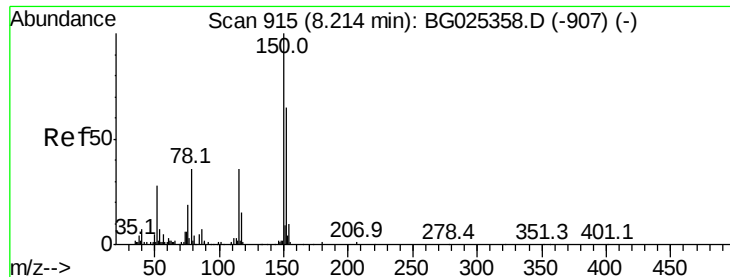
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011217\  
Data File : BG025504.D  
Acq On : 13 Jan 2017 5:36  
Operator : UM/SJ  
Sample : I1135-05  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
W-10

Quant Time: Jan 13 06:25:30 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 10 11:26:22 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.20 min Scan# 913

Delta R.T. 0.00 min

Lab File: BG025504.D

Acq: 13 Jan 2017 5:36

Instrument :

BNA\_G

ClientSampleId :

W-10

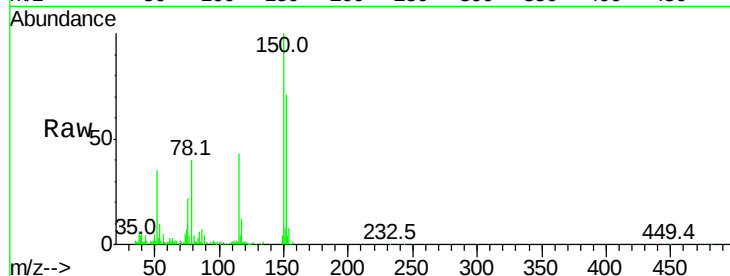
Tot Ion:152 Resp: 64382

Ion Ratio Lower Upper

152 100

150 140.4 114.0 171.0

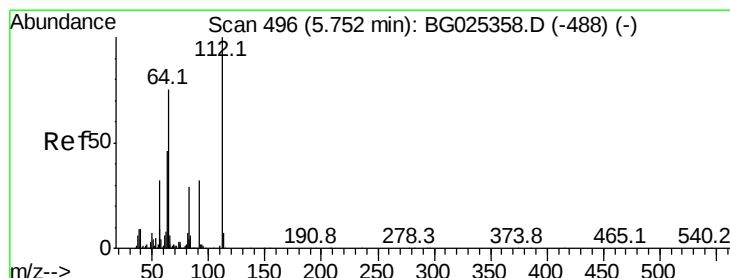
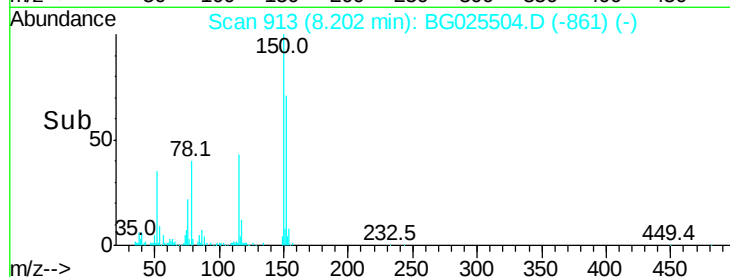
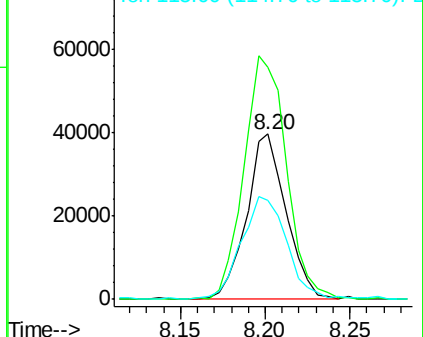
115 59.7 48.1 72.1



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: 71.95 ng

RT: 5.74 min Scan# 494

Delta R.T. 0.00 min

Lab File: BG025504.D

Acq: 13 Jan 2017 5:36

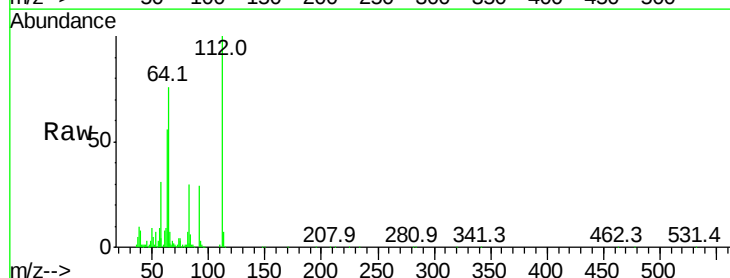
Tgt Ion:112 Resp: 254834

Ion Ratio Lower Upper

112 100

64 75.8 61.8 92.6

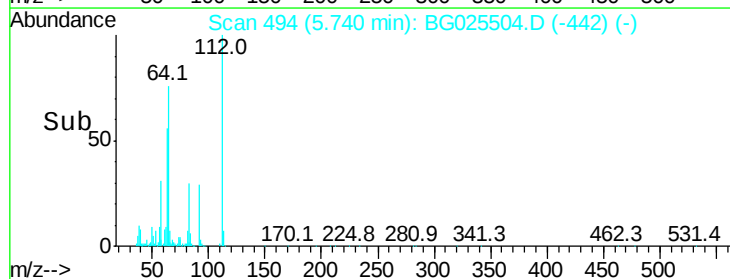
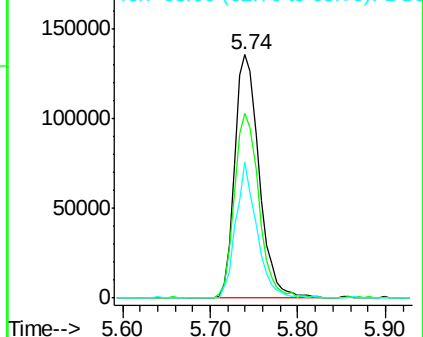
63 56.1 37.2 55.8#

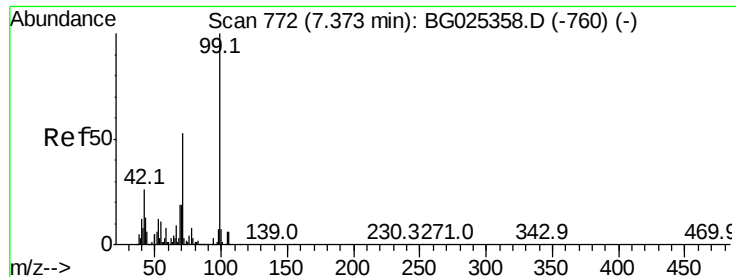


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 47.24 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.00 min

Lab File: BG025504.D

Acq: 13 Jan 2017 5:36

Instrument :

BNA\_G

ClientSampleId :

W-10

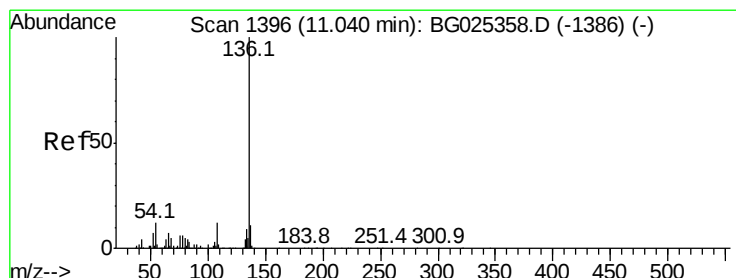
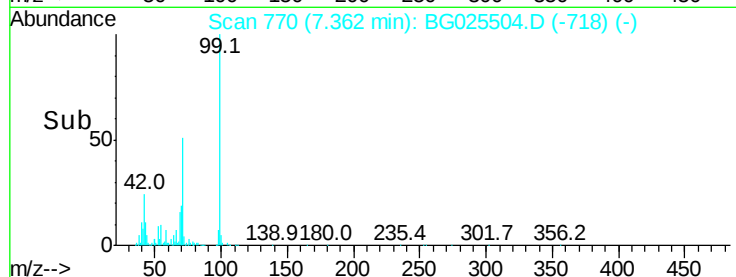
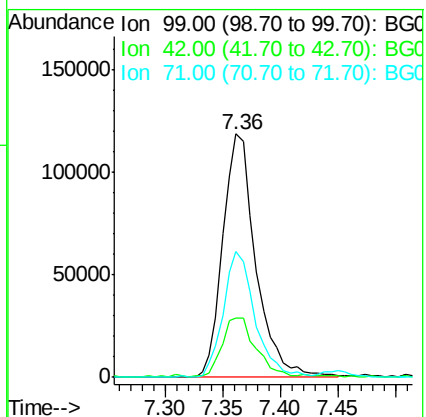
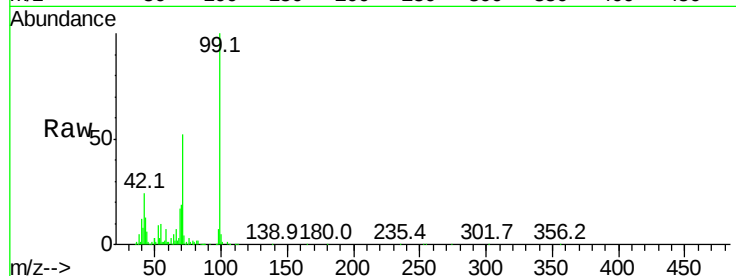
Tot Ion: 99 Resp: 235657

Ion Ratio Lower Upper

99 100

42 24.4 20.5 30.7

71 51.6 37.6 56.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BG025504.D

Acq: 13 Jan 2017 5:36

Tgt Ion: 136 Resp: 273023

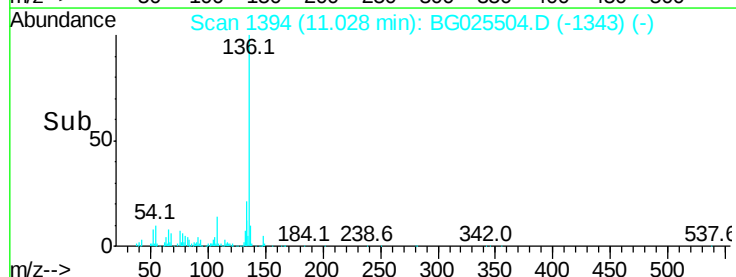
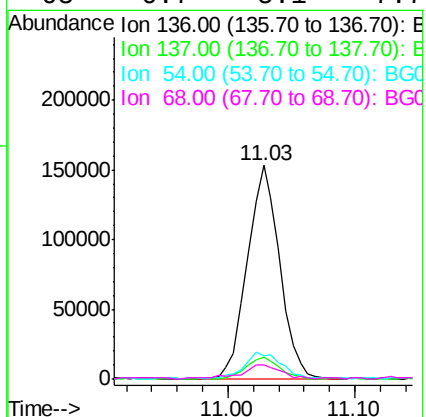
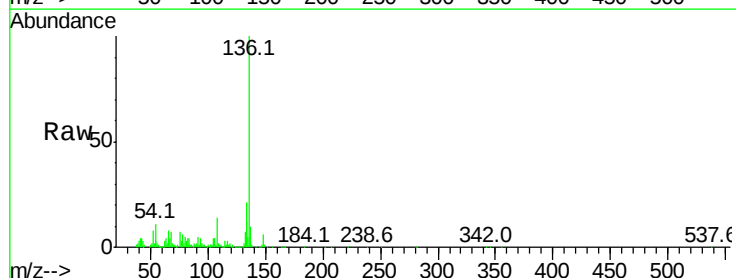
Ion Ratio Lower Upper

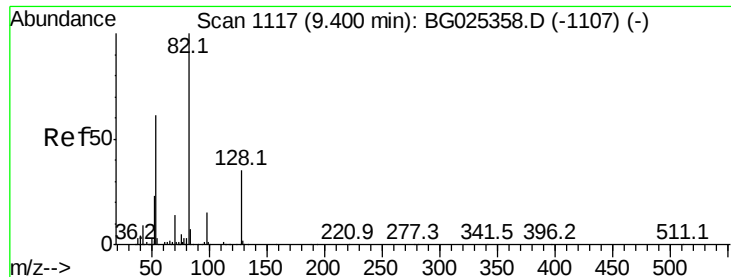
136 100

137 10.2 8.9 13.3

54 11.0 9.3 13.9

68 6.7 5.1 7.7





#23

Nitrobenzene-d5

Concen: 101.66 ng

RT: 9.39 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BG025504.D

Acq: 13 Jan 2017 5:36

Instrument :

BNA\_G

ClientSampleId :

W-10

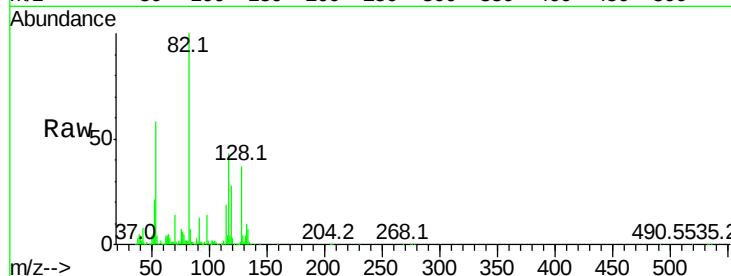
Tot Ion: 82 Resp: 628274

Ion Ratio Lower Upper

82 100

128 37.3 26.4 39.6

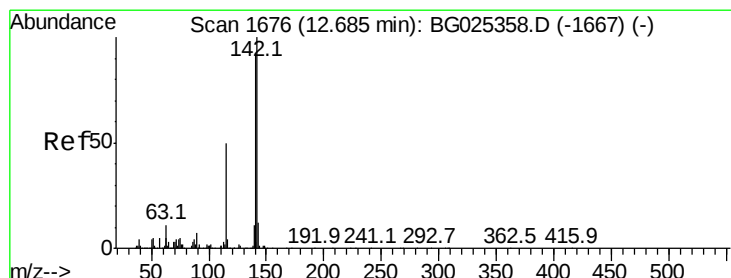
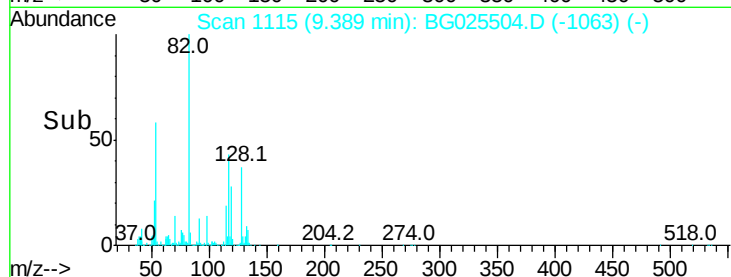
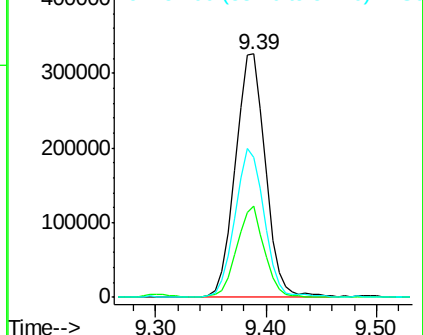
54 57.7 49.4 74.2



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



#37

2-Methylnaphthalene

Concen: 8.27 ng

RT: 12.67 min Scan# 1673

Delta R.T. -0.00 min

Lab File: BG025504.D

Acq: 13 Jan 2017 5:36

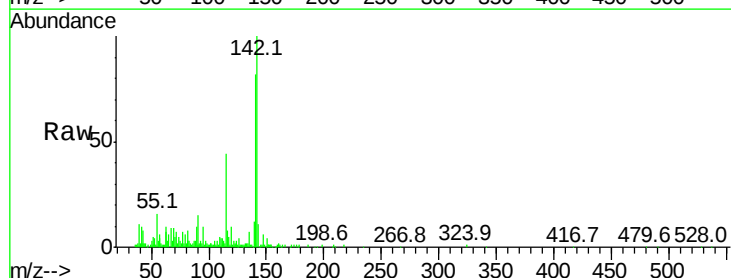
Tgt Ion: 142 Resp: 83576

Ion Ratio Lower Upper

142 100

141 82.4 70.4 105.6

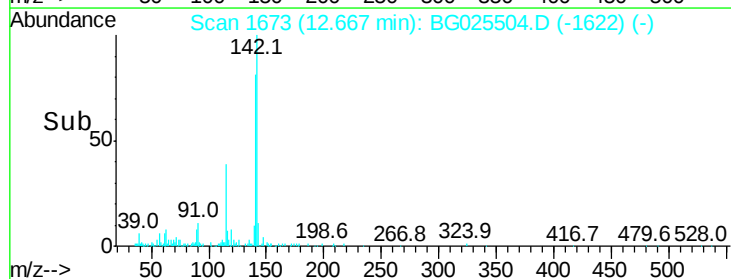
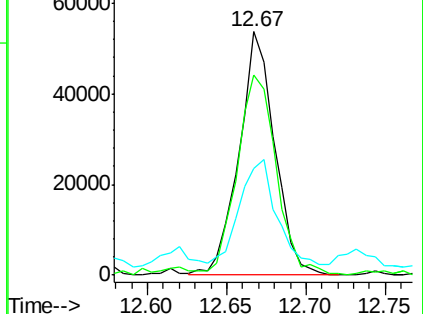
115 43.6 35.5 53.3

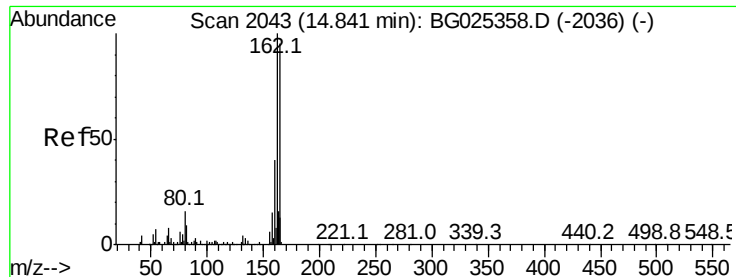


Abundance Ion 142.00 (141.70 to 142.70): BGC

Ion 141.00 (140.70 to 141.70): BGC

Ion 115.00 (114.70 to 115.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.83 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BG025504.D

Acq: 13 Jan 2017 5:36

Instrument :

BNA\_G

ClientSampled :

W-10

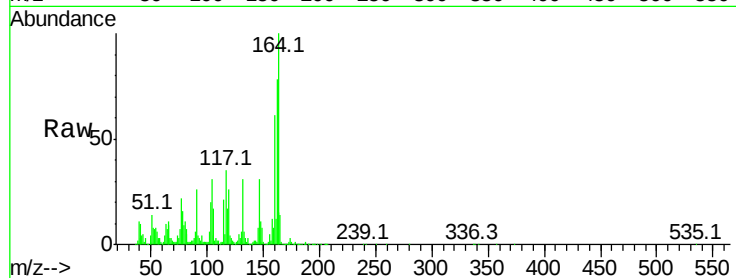
Tot Ion:164 Resp: 306106

Ion Ratio Lower Upper

164 100

162 78.1 85.1 127.7#

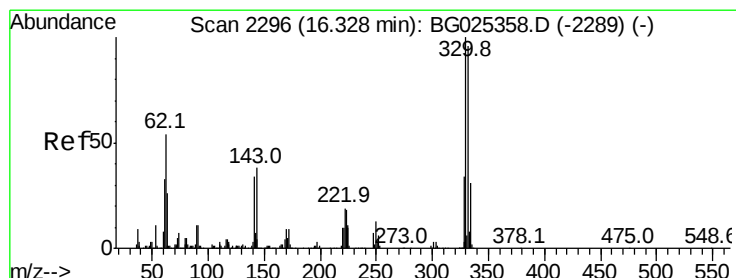
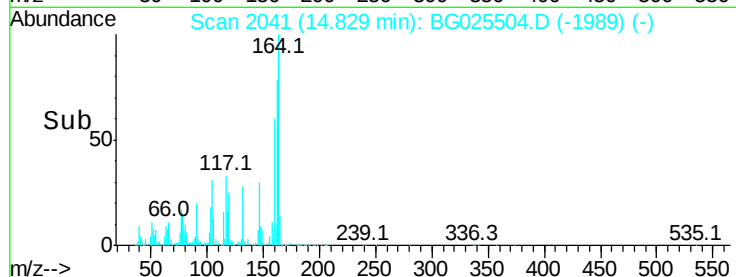
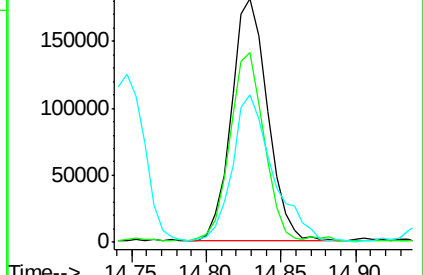
160 60.6 34.7 52.1#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 108.85 ng

RT: 16.32 min Scan# 2295

Delta R.T. 0.00 min

Lab File: BG025504.D

Acq: 13 Jan 2017 5:36

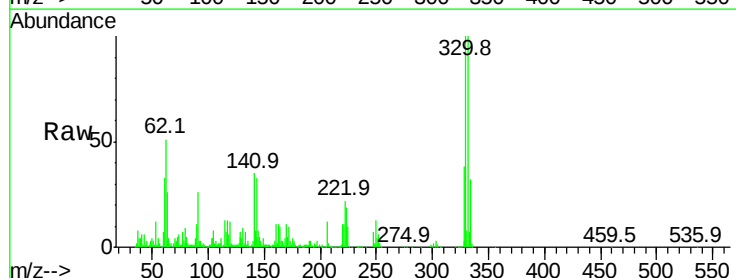
Tgt Ion:330 Resp: 536428

Ion Ratio Lower Upper

330 100

332 97.9 77.3 115.9

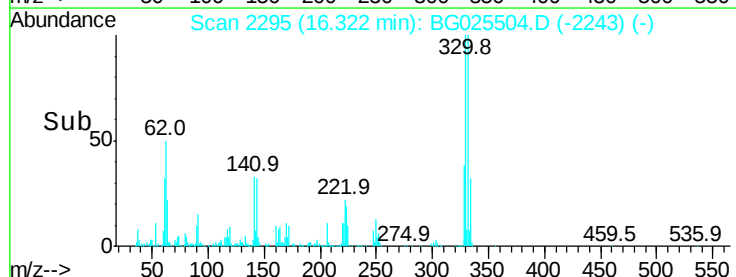
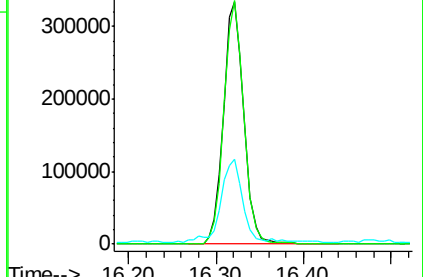
141 35.5 32.1 48.1

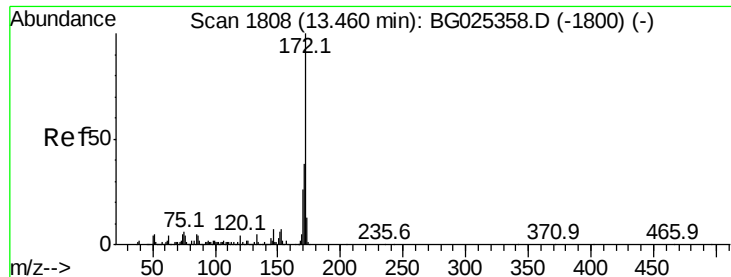


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

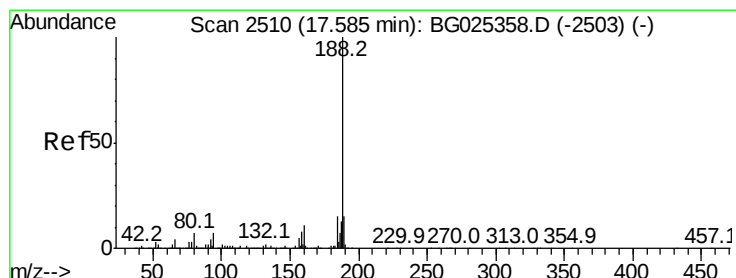
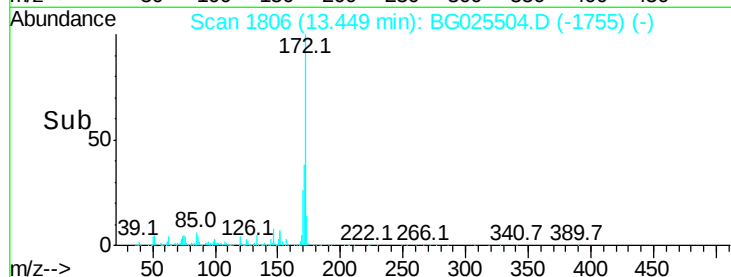
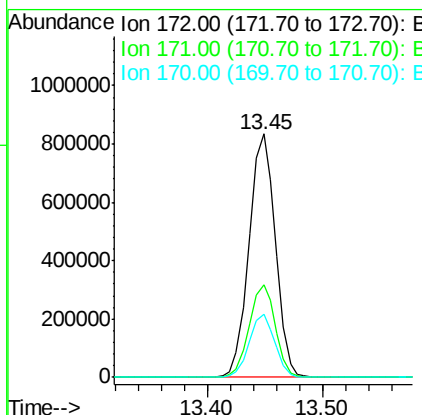
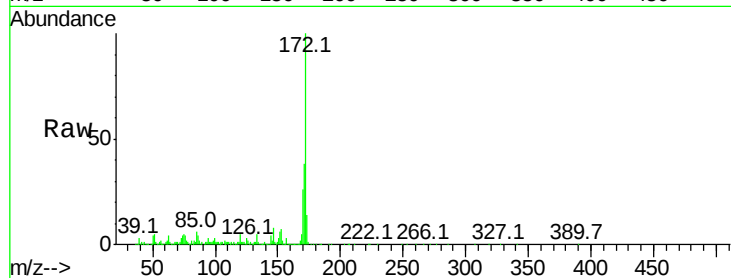




#44  
2-Fluorobiphenyl  
Concen: 70.10 ng  
RT: 13.45 min Scan# 1806  
Delta R.T. -0.00 min  
Lab File: BG025504.D  
Acq: 13 Jan 2017 5:36

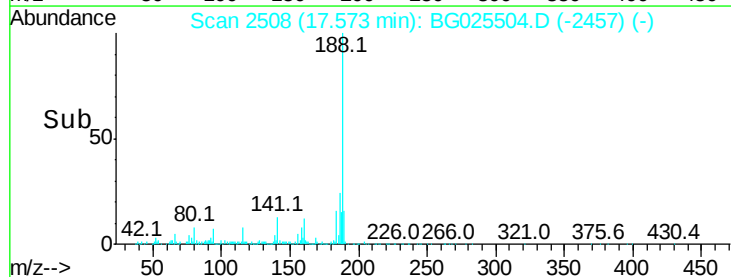
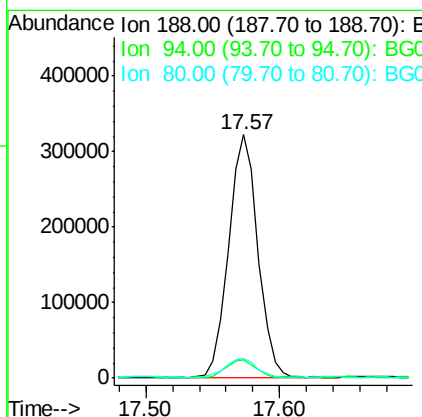
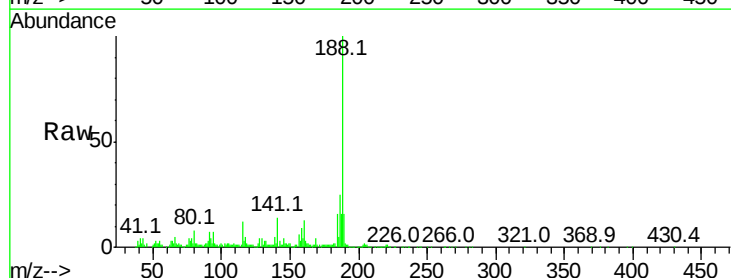
Instrument :  
BNA\_G  
ClientSampled :  
W-10

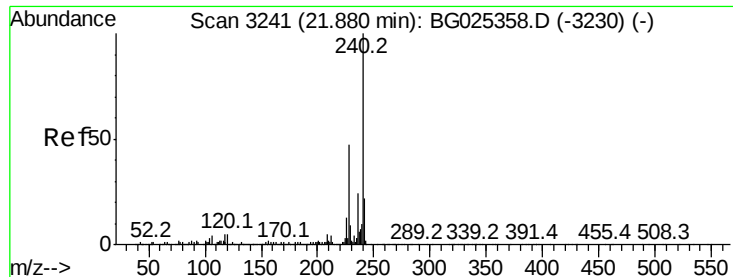
Tot Ion:172 Resp: 1325353  
Ion Ratio Lower Upper  
172 100  
171 38.3 32.2 48.2  
170 25.9 21.8 32.6



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.57 min Scan# 2508  
Delta R.T. -0.00 min  
Lab File: BG025504.D  
Acq: 13 Jan 2017 5:36

Tgt Ion:188 Resp: 491453  
Ion Ratio Lower Upper  
188 100  
94 7.4 5.8 8.8  
80 7.9 7.5 11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.86 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BG025504.D

Acq: 13 Jan 2017 5:36

Instrument :

BNA\_G

ClientSampled :

W-10

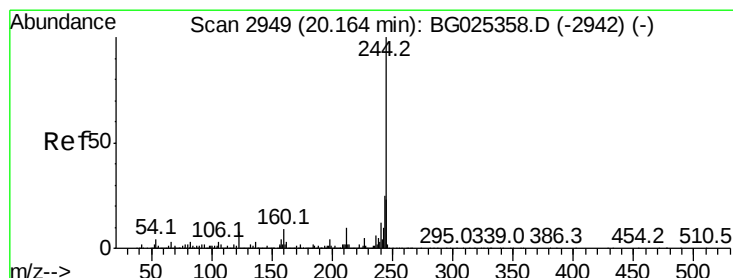
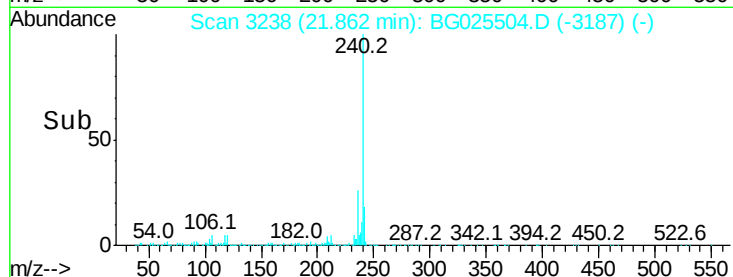
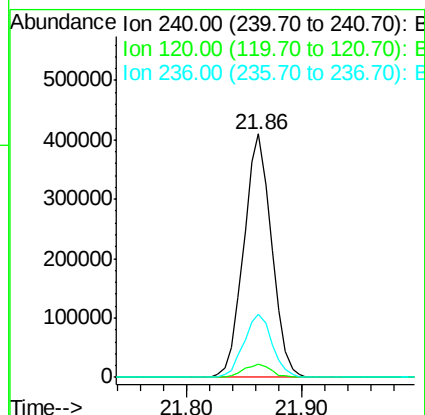
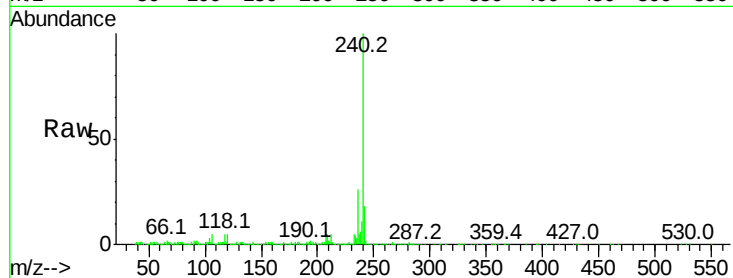
Tot Ion:240 Resp: 685726

Ion Ratio Lower Upper

240 100

120 5.2 5.7 8.5#

236 25.8 22.2 33.4



#78

Terphenyl-d14

Concen: 84.12 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG025504.D

Acq: 13 Jan 2017 5:36

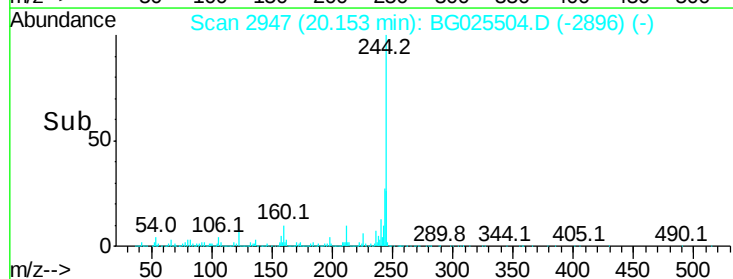
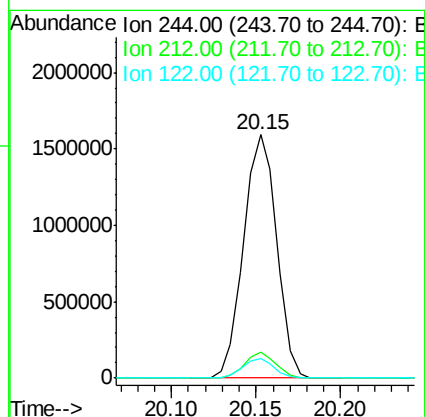
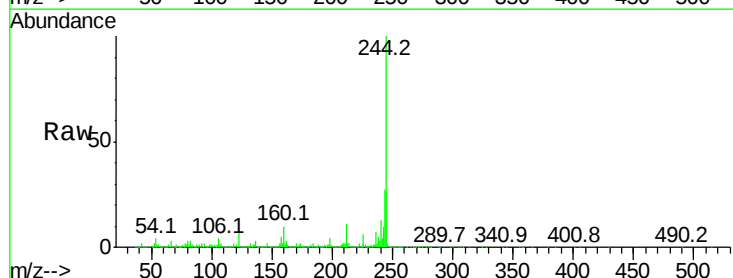
Tgt Ion:244 Resp: 2175633

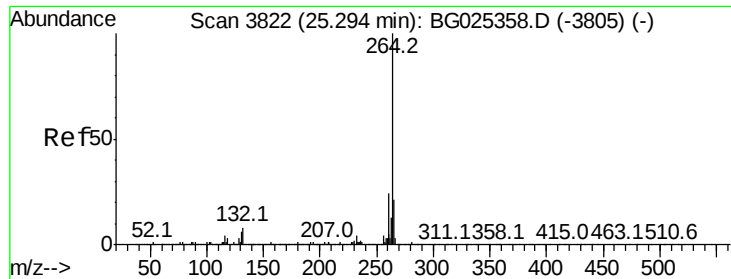
Ion Ratio Lower Upper

244 100

212 10.6 10.0 15.0

122 8.0 8.6 12.8#





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 25.26 min Scan# 3816  
 Delta R.T. -0.01 min  
 Lab File: BG025504.D  
 Acq: 13 Jan 2017 5:36

Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 21.8  | 32.8  |
| 265     | 21.9  | 18.2  | 27.4  |

