

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG042715\  
 Data File : BG016757.D  
 Acq On : 28 Apr 2015 7:28  
 Operator : TP/IZ  
 Sample : G1991-16  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-64D

Quant Time: Apr 28 08:15:45 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG042315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 28 06:33:47 2015  
 Response via : Initial Calibration

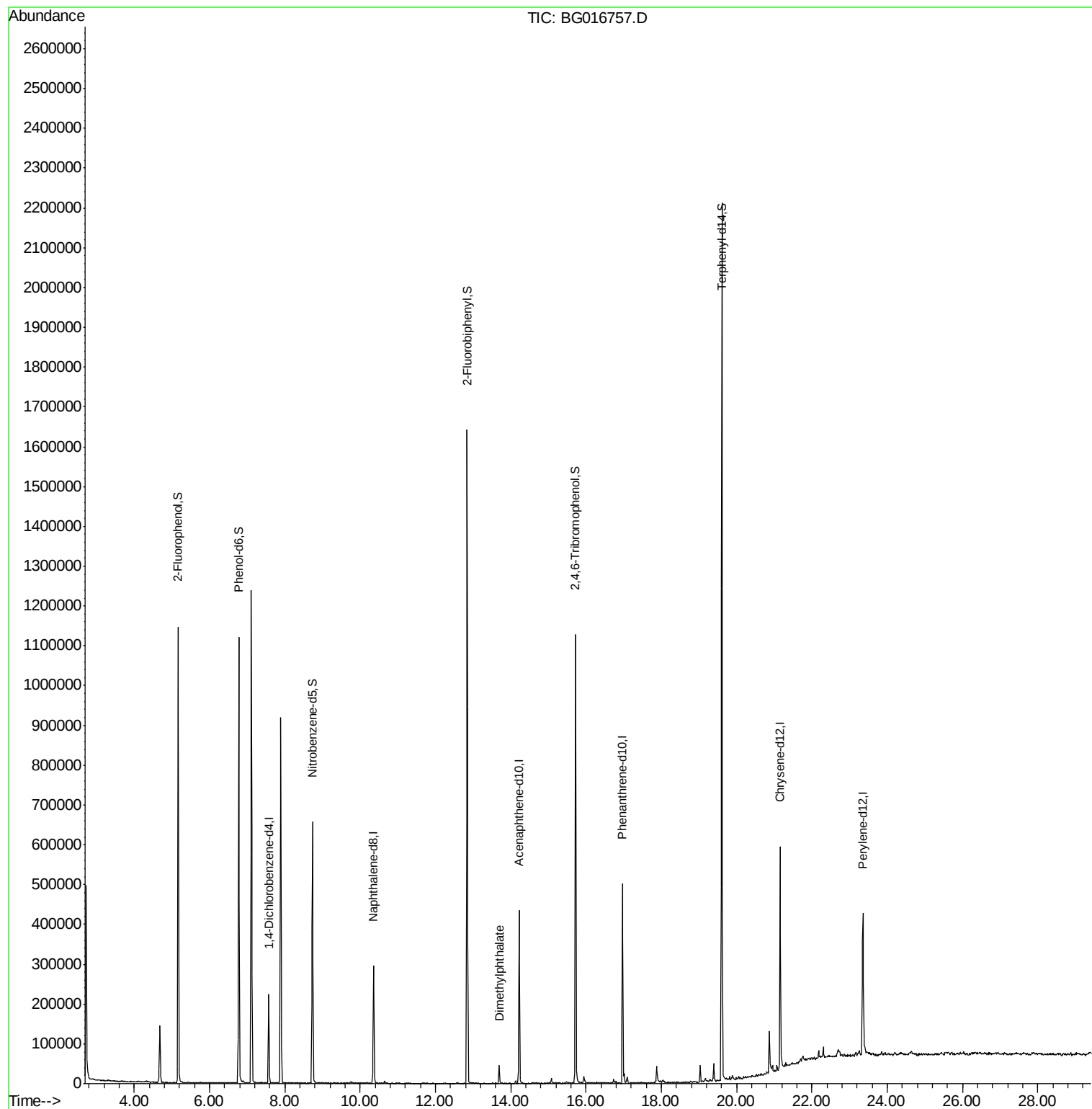
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.57  | 152  | 62562    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.36 | 136  | 258230   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.23 | 164  | 145153   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 16.97 | 188  | 281583   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.16 | 240  | 244771   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 23.36 | 264  | 236393   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.17  | 112  | 557318   | 144.56 | ng    | 0.00         |
| 7) Phenol-d6                | 6.78  | 99   | 741959   | 137.18 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 8.73  | 82   | 376348   | 92.09  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 15.73 | 330  | 170289   | 158.14 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 12.84 | 172  | 844482   | 93.47  | ng    | 0.00         |
| 78) Terphenyl-d14           | 19.61 | 244  | 879618   | 82.78  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 13.69 | 163  | 34201    | 3.15   | ng    | Qvalue<br>98 |

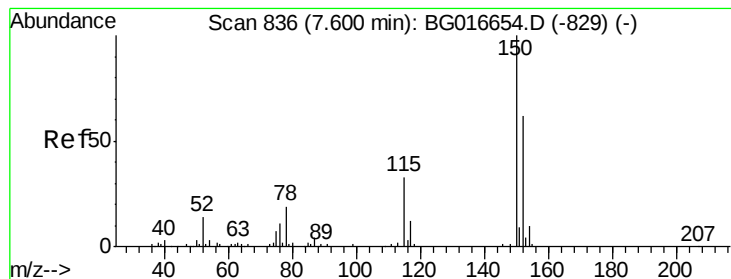
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG042715\  
Data File : BG016757.D  
Acq On : 28 Apr 2015 7:28  
Operator : TP/IZ  
Sample : G1991-16  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-64D

Quant Time: Apr 28 08:15:45 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG042315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 28 06:33:47 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.57 min Scan# 831

Delta R.T. 0.00 min

Lab File: BG016757.D

Acq: 28 Apr 2015 7:28

Instrument :

BNA\_G

ClientSampleId :

SB-64D

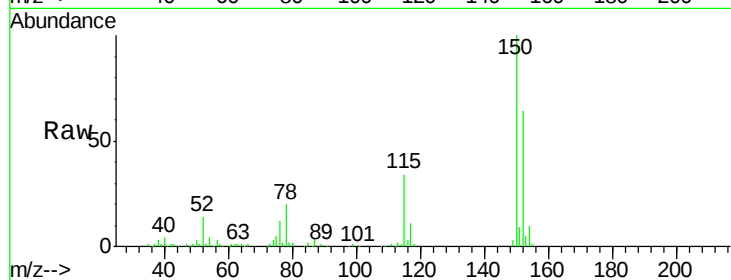
Tgt Ion:152 Resp: 62562

Ion Ratio Lower Upper

152 100

150 155.7 129.6 194.4

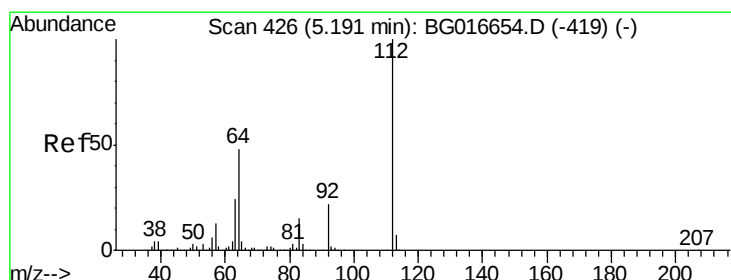
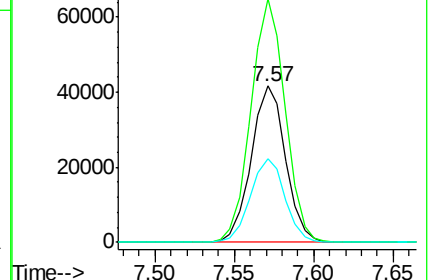
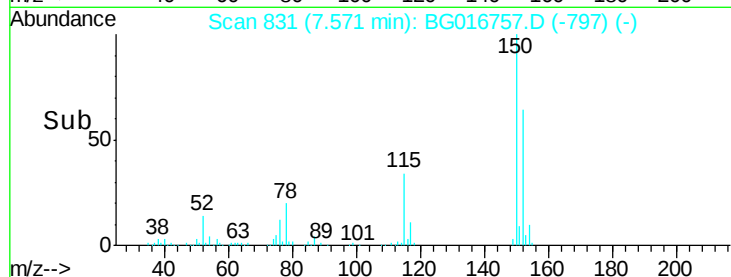
115 53.5 43.0 64.6



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: 144.56 ng

RT: 5.17 min Scan# 422

Delta R.T. 0.01 min

Lab File: BG016757.D

Acq: 28 Apr 2015 7:28

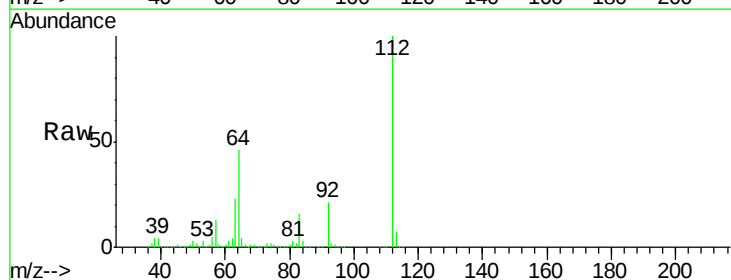
Tgt Ion:112 Resp: 557318

Ion Ratio Lower Upper

112 100

64 46.1 38.3 57.5

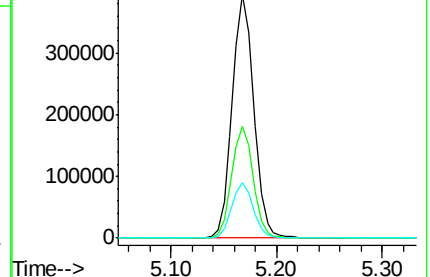
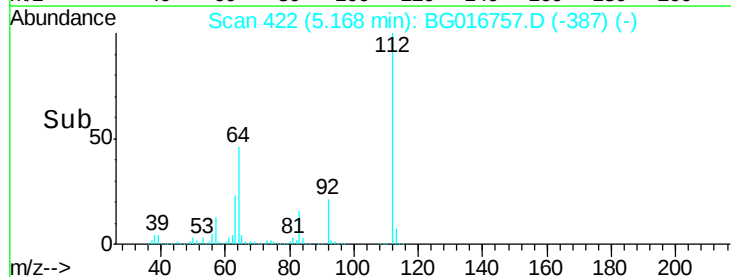
63 22.9 18.9 28.3

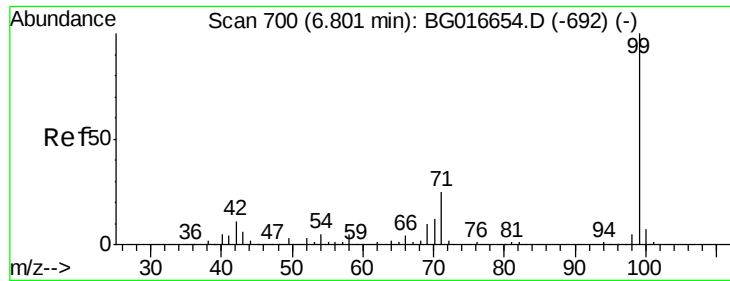


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 137.18 ng

RT: 6.78 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG016757.D

Acq: 28 Apr 2015 7:28

Instrument :

BNA\_G

ClientSampleId :

SB-64D

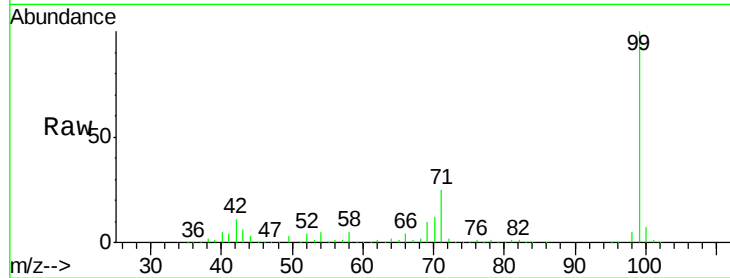
Tgt Ion: 99 Resp: 741959

Ion Ratio Lower Upper

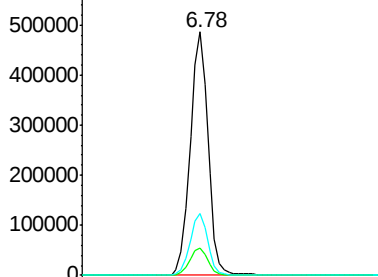
99 100

42 11.4 8.8 13.2

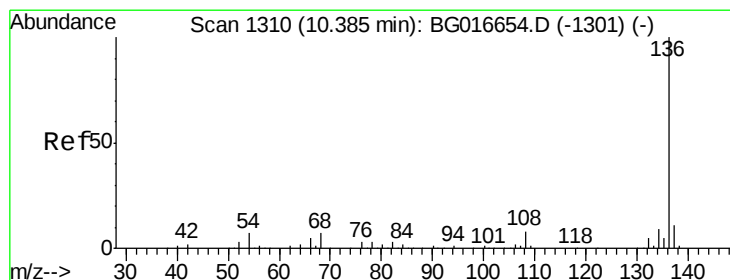
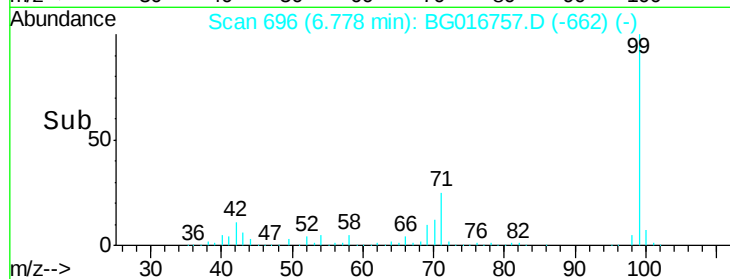
71 25.3 19.9 29.9



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



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.36 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BG016757.D

Acq: 28 Apr 2015 7:28

Tgt Ion: 136 Resp: 258230

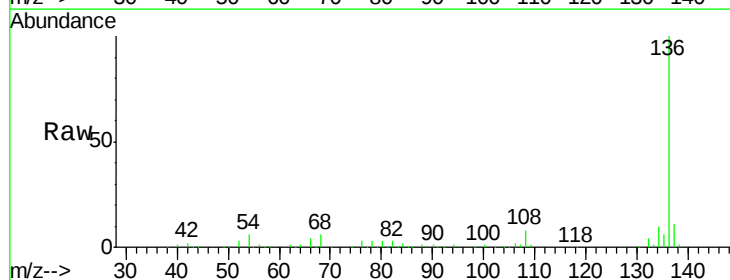
Ion Ratio Lower Upper

136 100

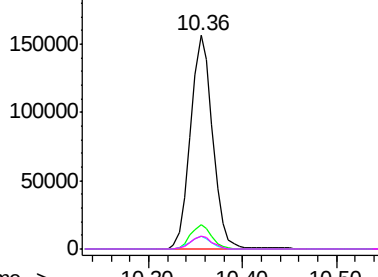
137 11.2 8.5 12.7

54 5.8 5.4 8.2

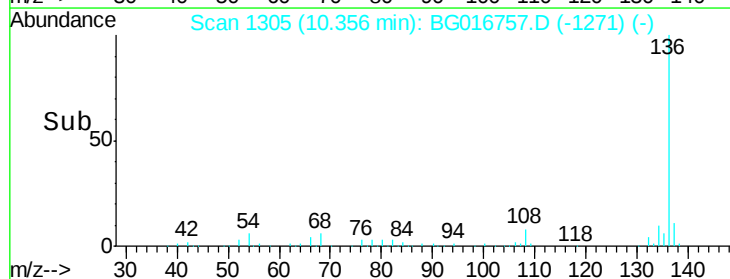
68 5.7 5.2 7.8



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



Time-->

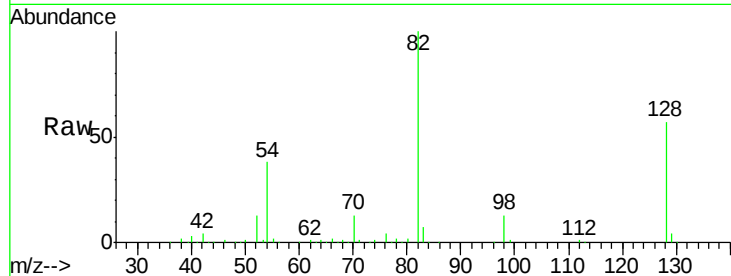




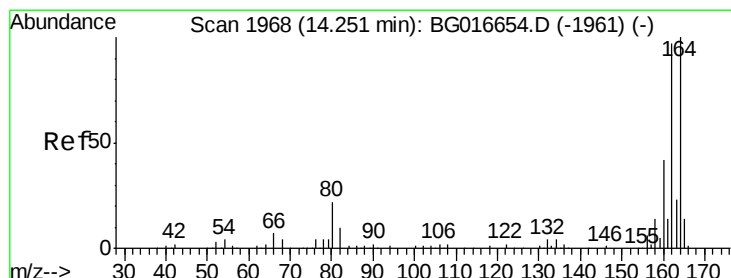
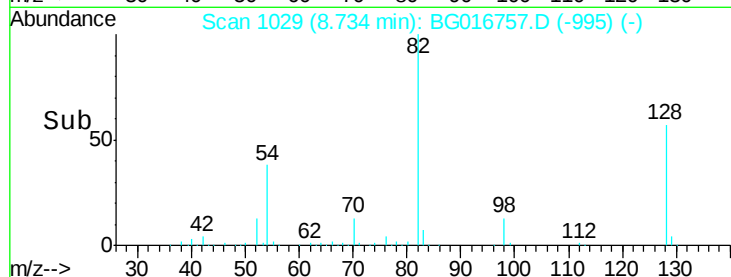
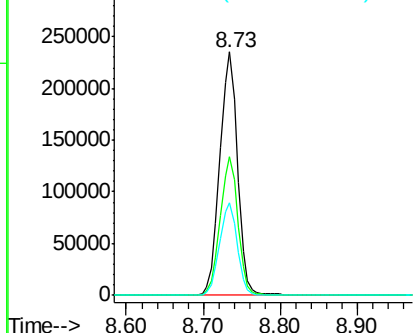
#23  
Nitrobenzene-d5  
Concen: 92.09 ng  
RT: 8.73 min Scan# 1029  
Delta R.T. 0.00 min  
Lab File: BG016757.D  
Acq: 28 Apr 2015 7:28

Instrument :  
BNA\_G  
ClientSampleId :  
SB-64D

Tgt Ion: 82 Resp: 376348  
Ion Ratio Lower Upper  
82 100  
128 56.9 44.7 67.1  
54 38.0 30.9 46.3

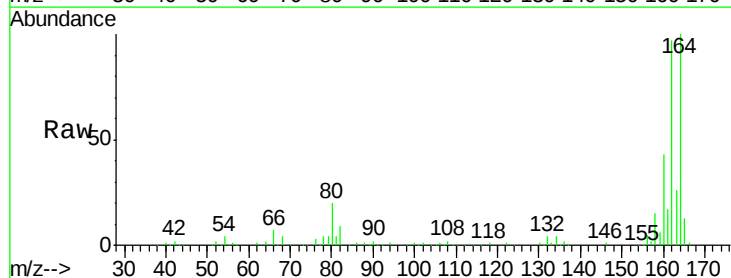


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

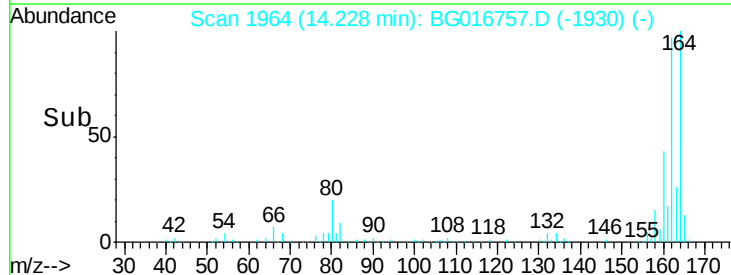
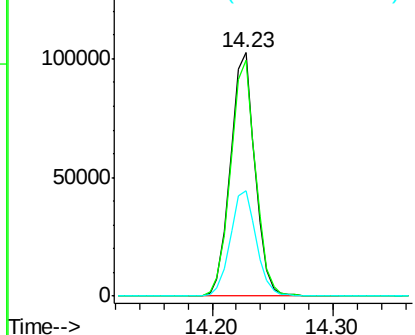


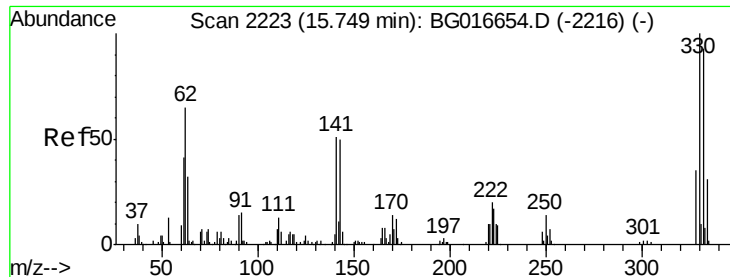
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.23 min Scan# 1964  
Delta R.T. 0.00 min  
Lab File: BG016757.D  
Acq: 28 Apr 2015 7:28

Tgt Ion: 164 Resp: 145153  
Ion Ratio Lower Upper  
164 100  
162 96.7 77.3 115.9  
160 43.4 33.7 50.5



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

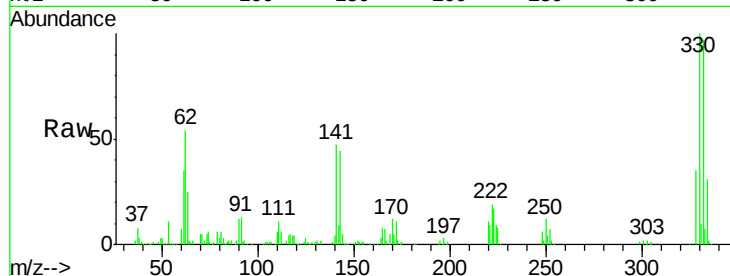




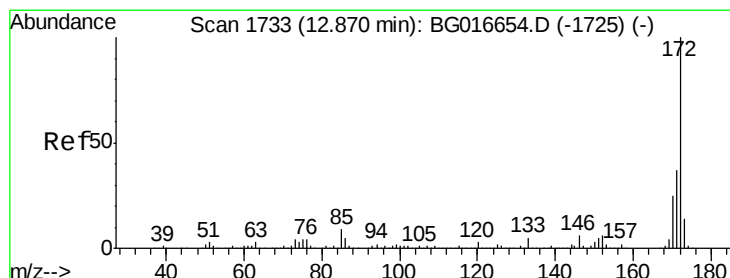
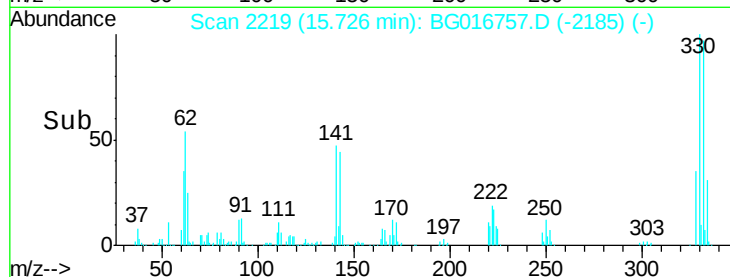
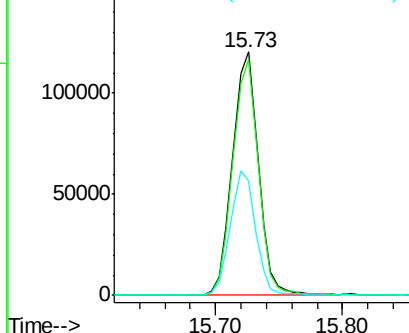
#41  
 2,4,6-Tribromophenol  
 Concen: 158.14 ng  
 RT: 15.73 min Scan# 2219  
 Delta R.T. 0.00 min  
 Lab File: BG016757.D  
 Acq: 28 Apr 2015 7:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-64D

Tgt Ion: 330 Resp: 170289  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 76.2 114.4  
 141 50.1 43.0 64.6

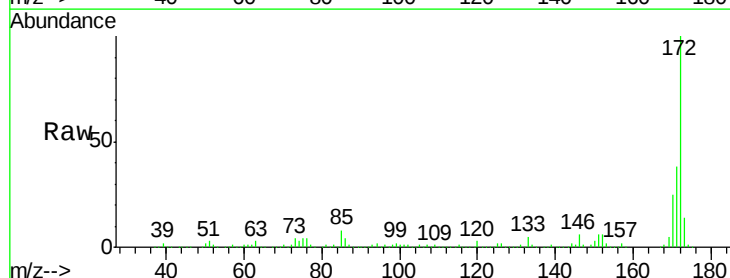


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

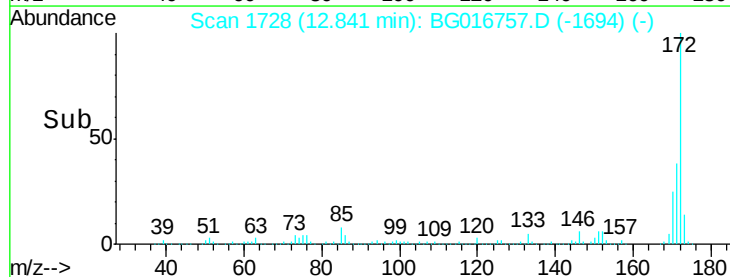
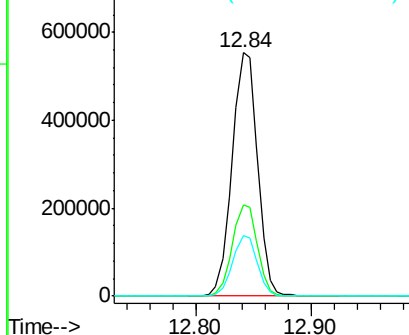


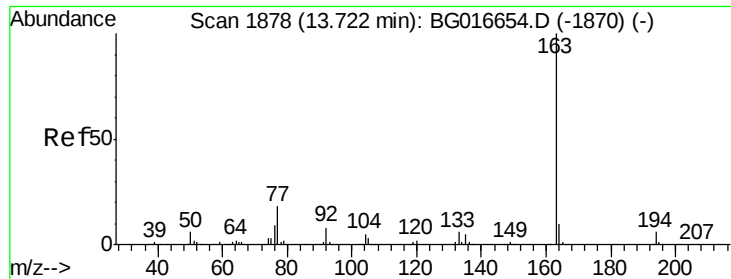
#44  
 2-Fluorobiphenyl  
 Concen: 93.47 ng  
 RT: 12.84 min Scan# 1728  
 Delta R.T. 0.00 min  
 Lab File: BG016757.D  
 Acq: 28 Apr 2015 7:28

Tgt Ion: 172 Resp: 844482  
 Ion Ratio Lower Upper  
 172 100  
 171 37.7 29.9 44.9  
 170 25.1 19.8 29.8



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





#49

Dimethylphthalate

Concen: 3.15 ng

RT: 13.69 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BG016757.D

Acq: 28 Apr 2015 7:28

Instrument :

BNA\_G

ClientSampleId :

SB-64D

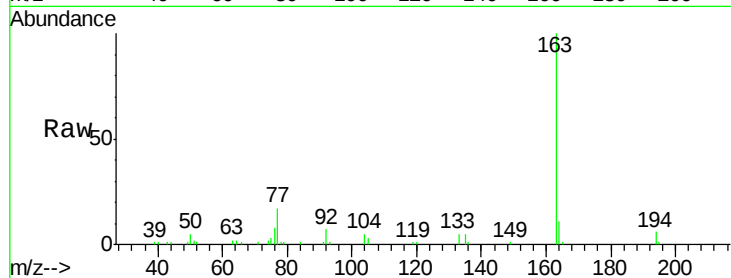
Tgt Ion:163 Resp: 34201

Ion Ratio Lower Upper

163 100

194 6.1 5.0 7.4

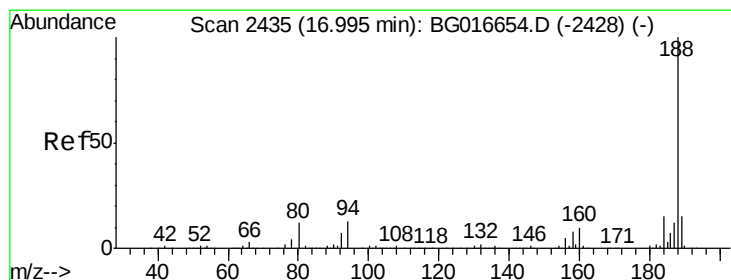
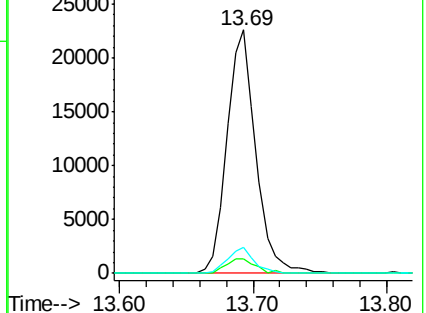
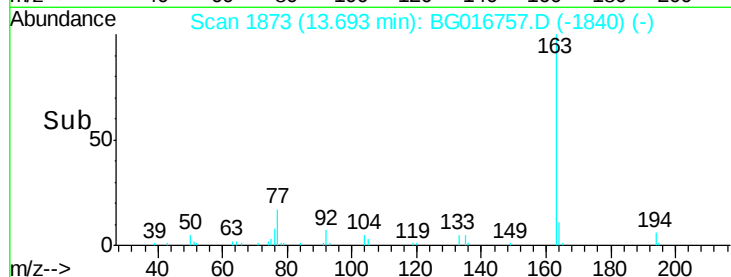
164 10.7 7.8 11.8



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# 2431

Delta R.T. 0.00 min

Lab File: BG016757.D

Acq: 28 Apr 2015 7:28

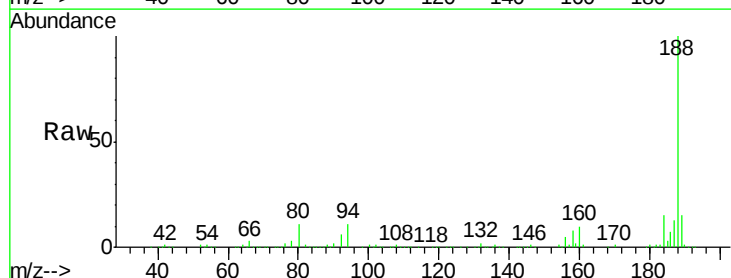
Tgt Ion:188 Resp: 281583

Ion Ratio Lower Upper

188 100

94 11.3 10.7 16.1

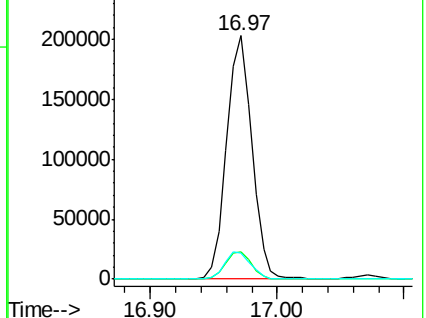
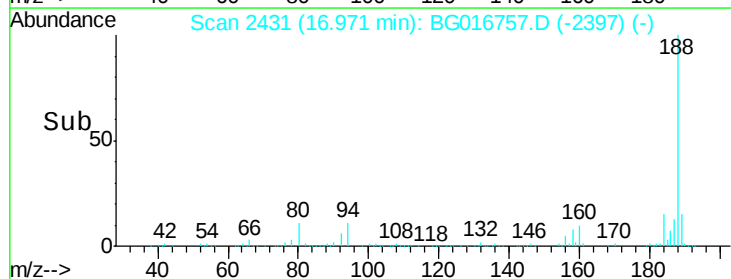
80 10.7 9.9 14.9

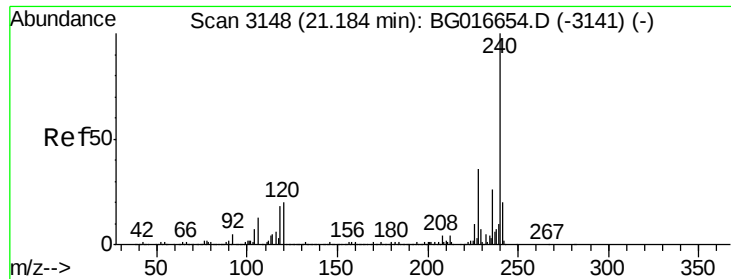


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.16 min Scan# 3144

Delta R.T. 0.00 min

Lab File: BG016757.D

Acq: 28 Apr 2015 7:28

Instrument :

BNA\_G

ClientSampled :

SB-64D

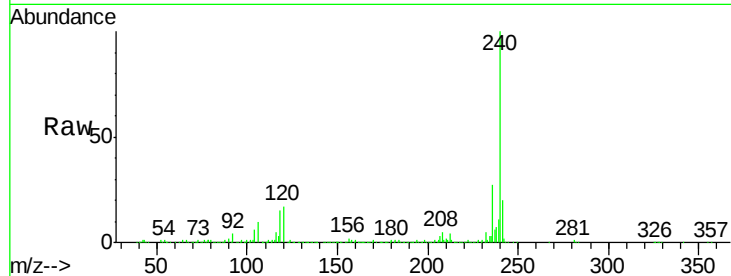
Tgt Ion:240 Resp: 244771

Ion Ratio Lower Upper

240 100

120 17.2 16.3 24.5

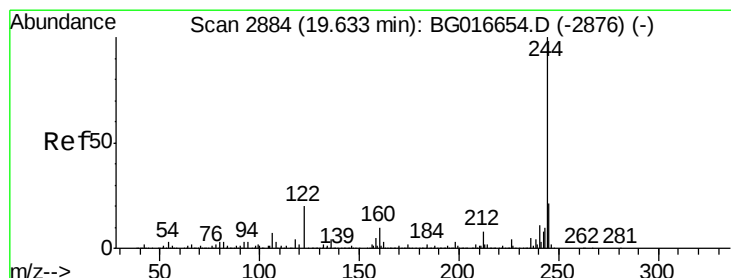
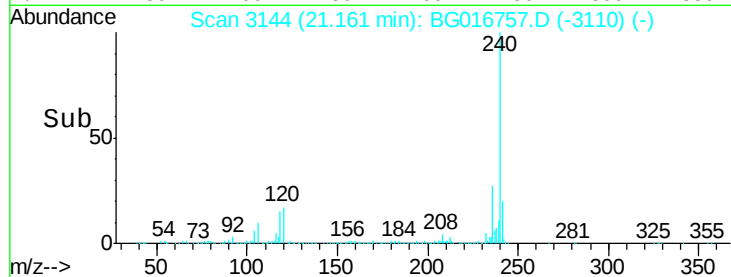
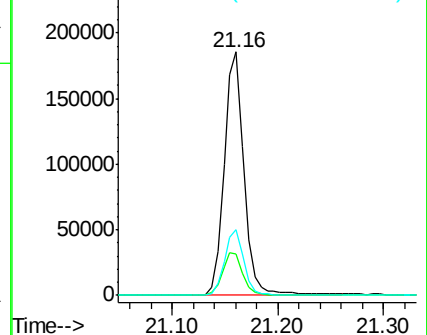
236 27.1 21.1 31.7



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: 82.78 ng

RT: 19.61 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG016757.D

Acq: 28 Apr 2015 7:28

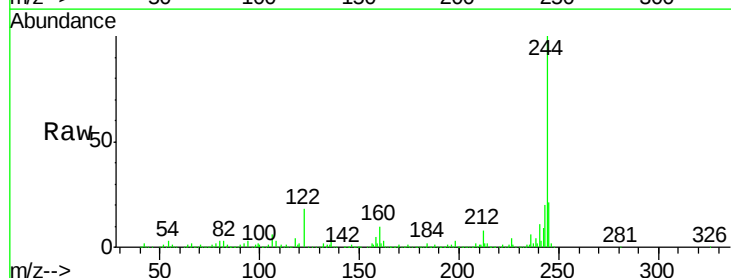
Tgt Ion:244 Resp: 879618

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

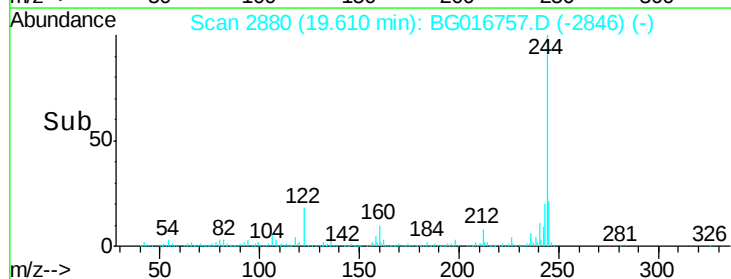
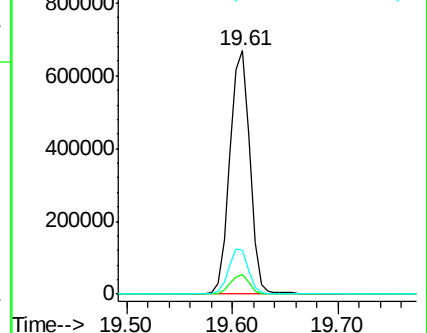
122 18.2 15.9 23.9

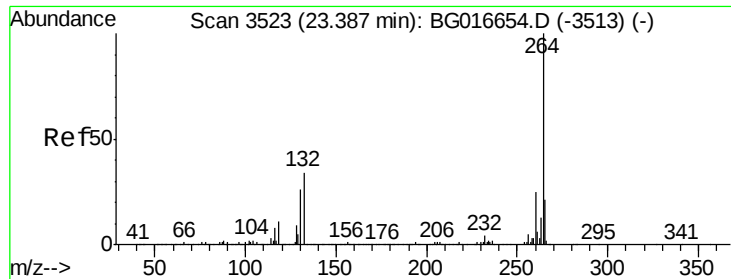


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.36 min Scan# 3518

Delta R.T. 0.00 min

Lab File: BG016757.D

Acq: 28 Apr 2015 7:28

Instrument :

BNA\_G

ClientSampleId :

SB-64D

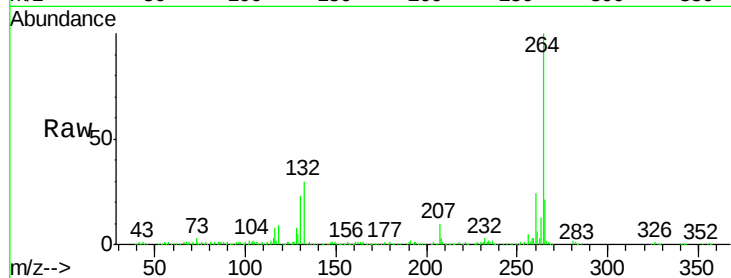
Tgt Ion: 264 Resp: 236393

Ion Ratio Lower Upper

264 100

260 24.3 20.0 30.0

265 21.2 16.8 25.2



Abundance Ion 264.00 (263.70 to 264.70): E

150000 Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

