

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042015\  
 Data File : BG016557.D  
 Acq On : 20 Apr 2015 18:41  
 Operator : TP/IZ  
 Sample : G1898-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-42

Quant Time: Apr 21 01:53:09 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG040615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 21 01:34:55 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.65  | 152  | 64634    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.44 | 136  | 281709   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.29 | 164  | 168285   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.04 | 188  | 361188   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.21 | 240  | 318140   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.43 | 264  | 297065   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.24  | 112  | 248906   | 60.78  | ng    | 0.00     |
| 7) Phenol-d6                | 6.84  | 99   | 213389   | 34.71  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.81  | 82   | 415841   | 85.51  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.78 | 330  | 176076   | 154.71 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.91 | 172  | 920597   | 93.14  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.66 | 244  | 1086641  | 79.94  | ng    | 0.00     |

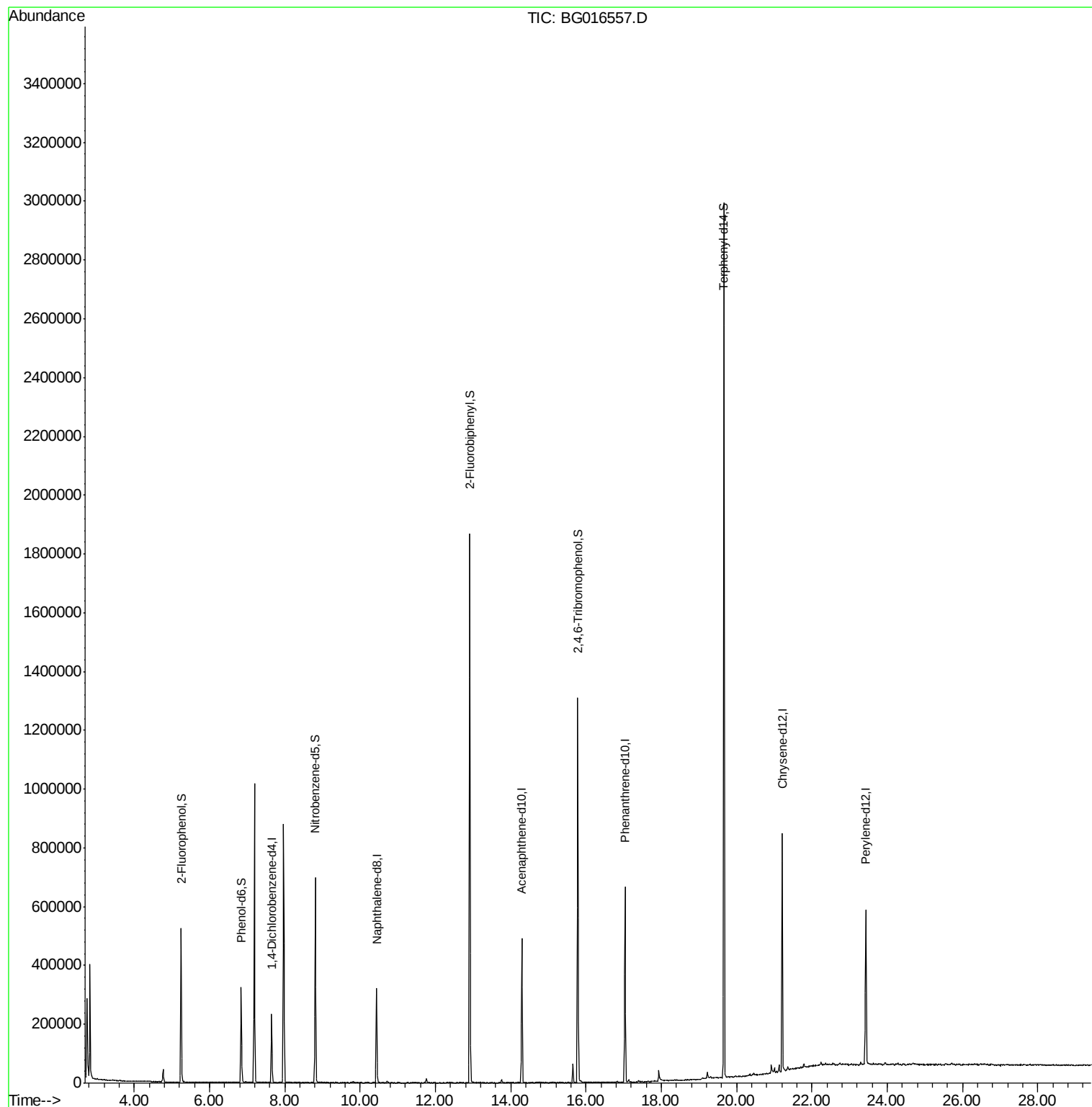
Target Compounds Qvalue

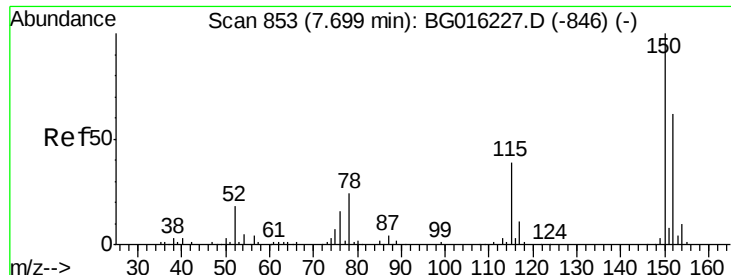
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 21 01:34:55 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.65 min Scan# 845

Delta R.T. 0.01 min

Lab File: BG016557.D

Acq: 20 Apr 2015 18:41

Instrument :

BNA\_G

ClientSampleId :

MW-42

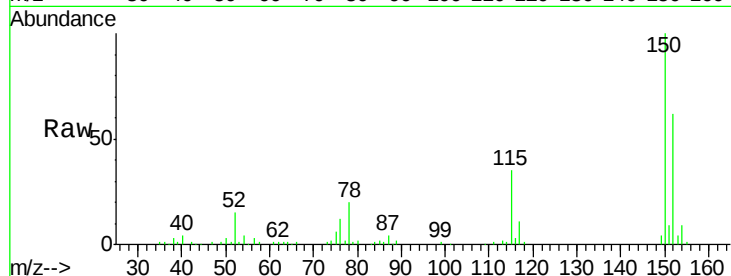
Tot Ion:152 Resp: 64634

Ion Ratio Lower Upper

152 100

150 160.6 130.1 195.1

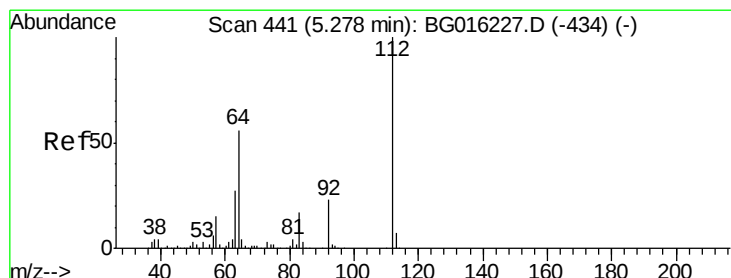
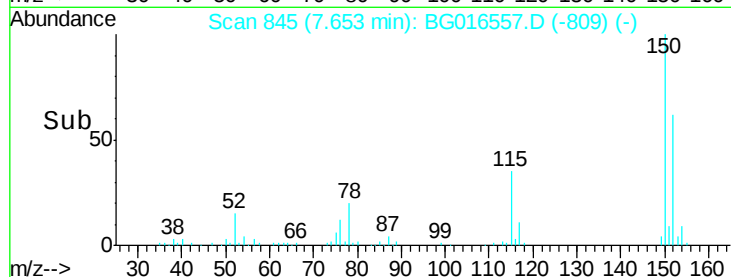
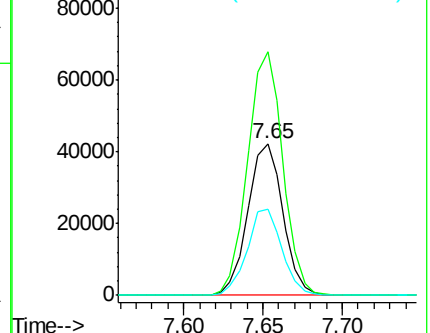
115 56.6 50.5 75.7



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: 60.78 ng

RT: 5.24 min Scan# 435

Delta R.T. 0.01 min

Lab File: BG016557.D

Acq: 20 Apr 2015 18:41

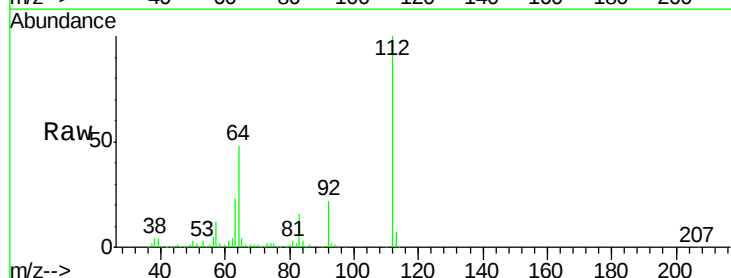
Tgt Ion:112 Resp: 248906

Ion Ratio Lower Upper

112 100

64 48.5 44.5 66.7

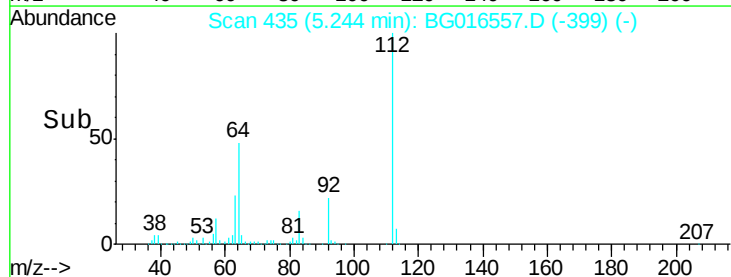
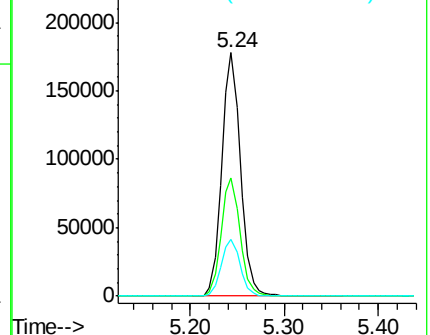
63 23.4 21.4 32.0

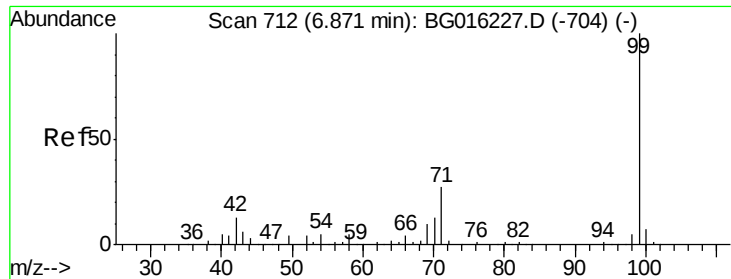


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 34.71 ng

RT: 6.84 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG016557.D

Acq: 20 Apr 2015 18:41

Instrument :

BNA\_G

ClientSampleId :

MW-42

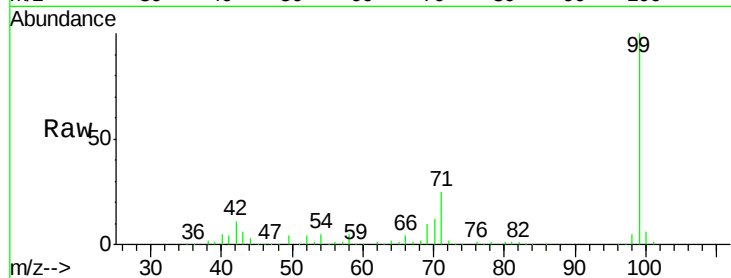
Tot Ion: 99 Resp: 213389

Ion Ratio Lower Upper

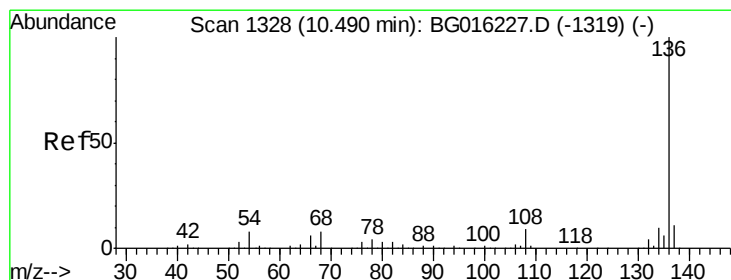
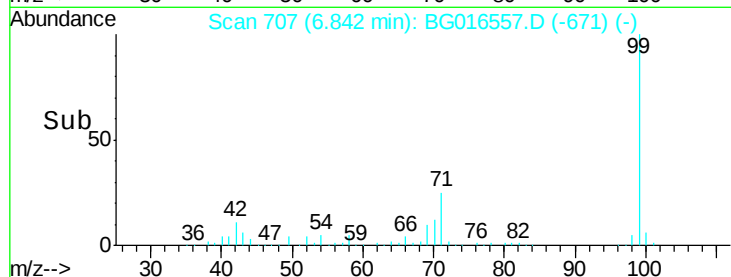
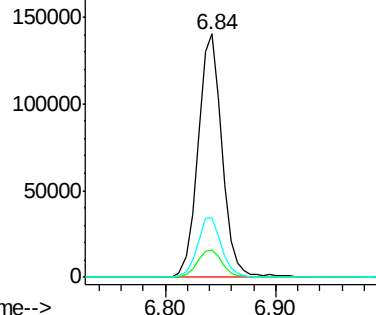
99 100

42 11.4 10.0 15.0

71 24.6 21.5 32.3



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: 10.44 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BG016557.D

Acq: 20 Apr 2015 18:41

Tgt Ion: 136 Resp: 281709

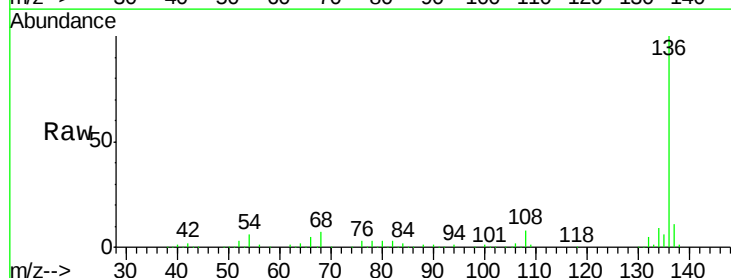
Ion Ratio Lower Upper

136 100

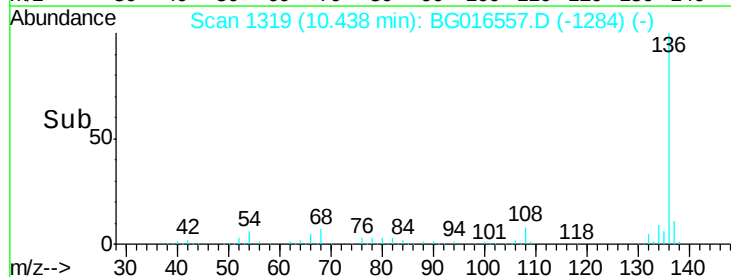
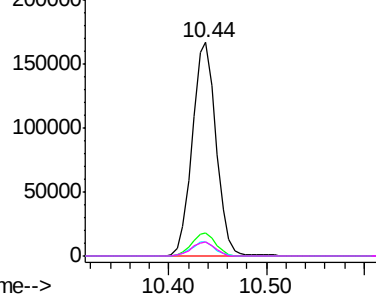
137 11.0 8.7 13.1

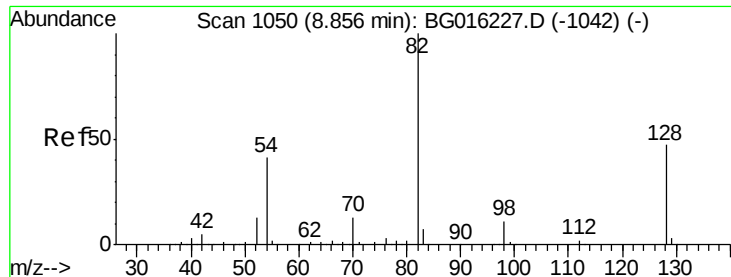
54 6.5 6.3 9.5

68 6.9 6.5 9.7



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

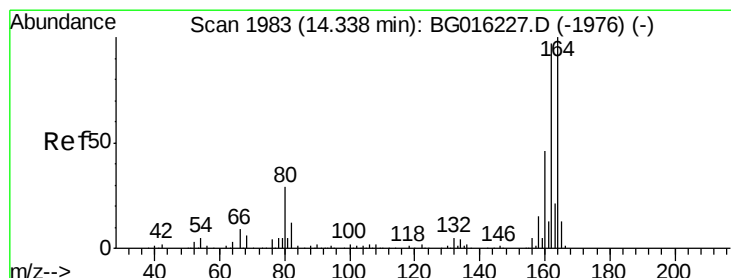
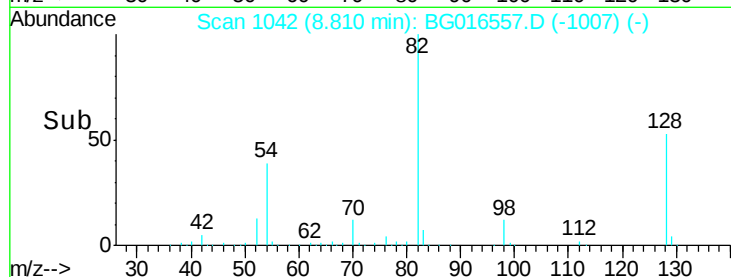
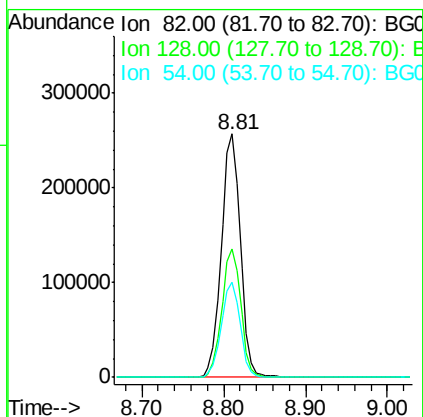
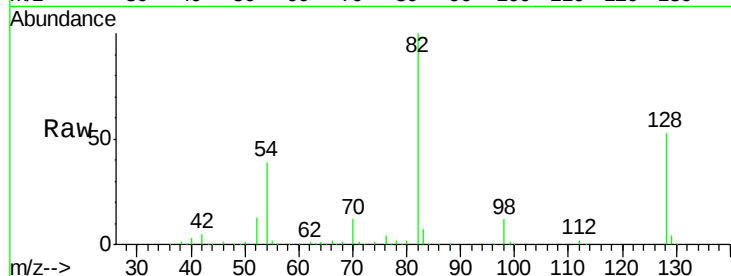




#23  
Nitrobenzene-d5  
Concen: 85.51 ng  
RT: 8.81 min Scan# 1042  
Delta R.T. 0.00 min  
Lab File: BG016557.D  
Acq: 20 Apr 2015 18:41

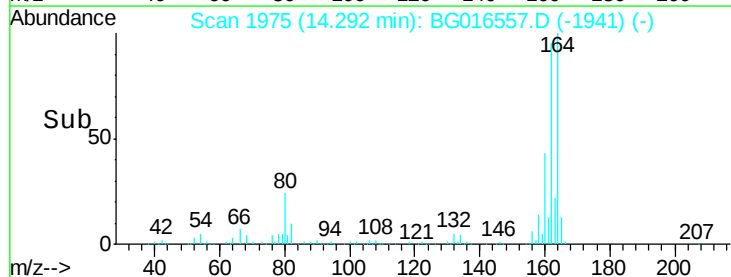
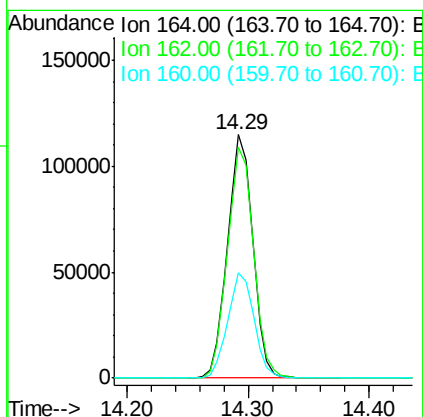
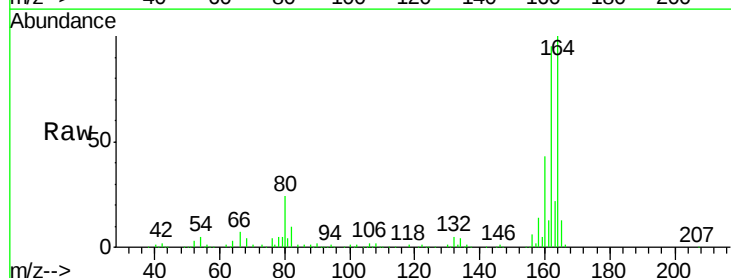
Instrument :  
BNA\_G  
ClientSampled :  
MW-42

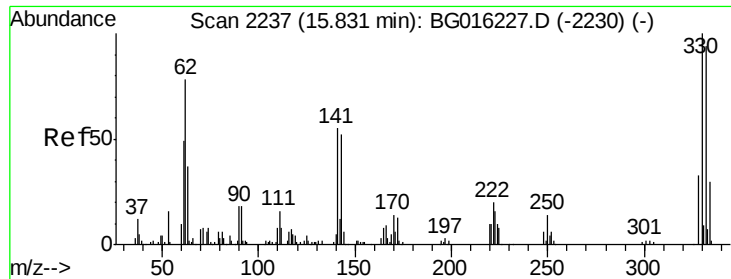
Tot Ion: 82 Resp: 415841  
Ion Ratio Lower Upper  
82 100  
128 52.8 37.8 56.8  
54 39.3 32.6 49.0



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.29 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: BG016557.D  
Acq: 20 Apr 2015 18:41

Tgt Ion:164 Resp: 168285  
Ion Ratio Lower Upper  
164 100  
162 94.7 77.3 115.9  
160 43.3 36.7 55.1

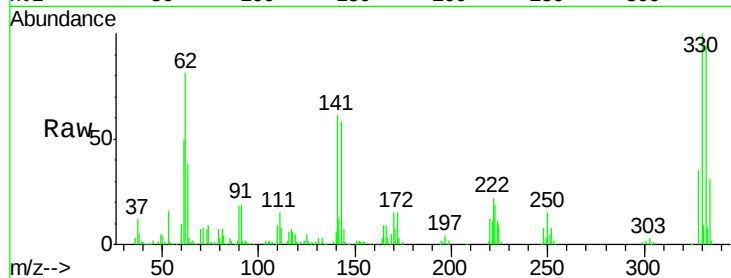




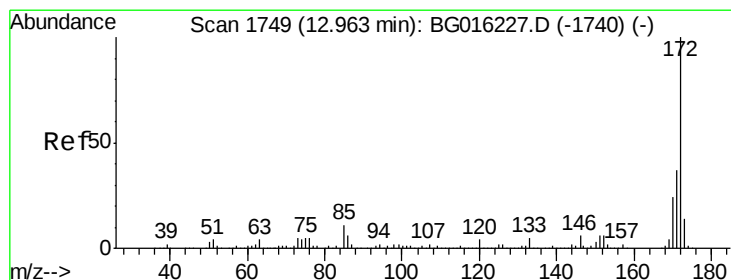
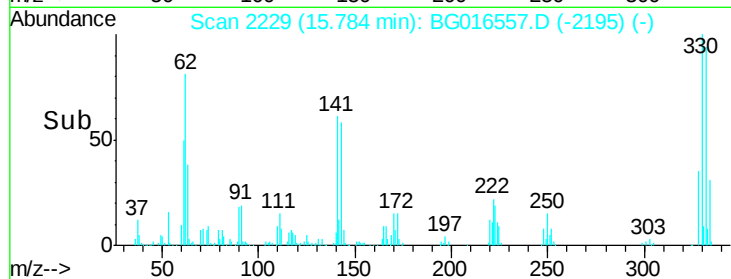
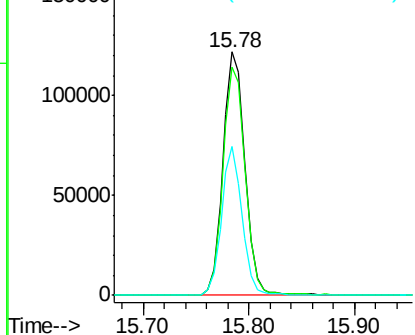
#41  
 2,4,6-Tribromophenol  
 Concen: 154.71 ng  
 RT: 15.78 min Scan# 2229  
 Delta R.T. -0.00 min  
 Lab File: BG016557.D  
 Acq: 20 Apr 2015 18:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-42

Tot Ion:330 Resp: 176076  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 75.8 113.6  
 141 57.2 46.6 69.8

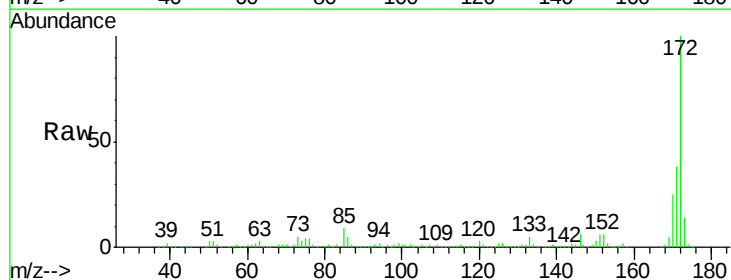


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

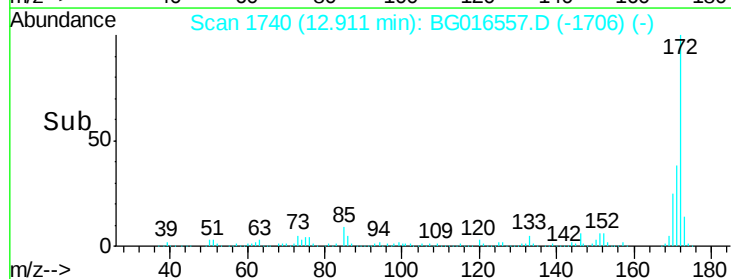
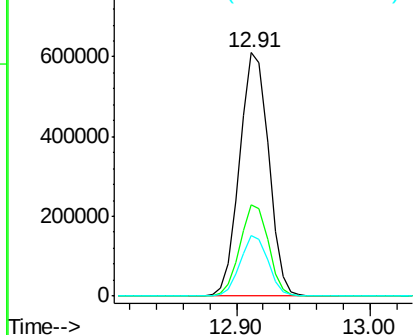


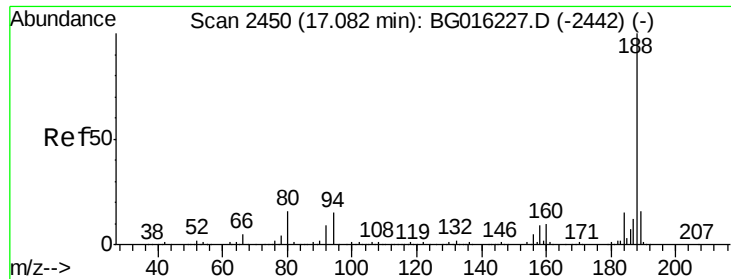
#44  
 2-Fluorobiphenyl  
 Concen: 93.14 ng  
 RT: 12.91 min Scan# 1740  
 Delta R.T. -0.00 min  
 Lab File: BG016557.D  
 Acq: 20 Apr 2015 18:41

Tgt Ion:172 Resp: 920597  
 Ion Ratio Lower Upper  
 172 100  
 171 37.7 29.6 44.4  
 170 25.0 19.4 29.2



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

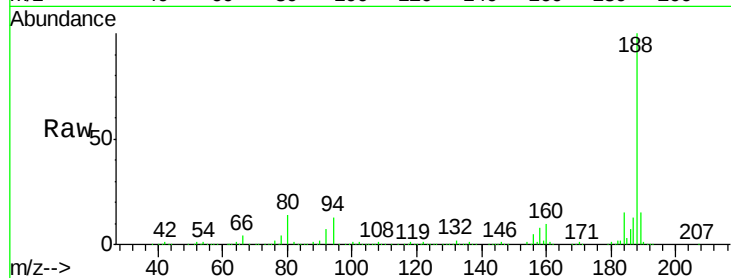




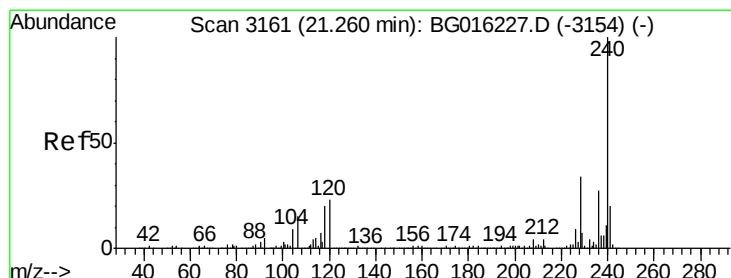
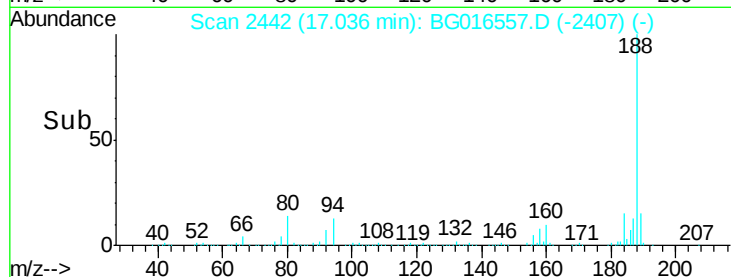
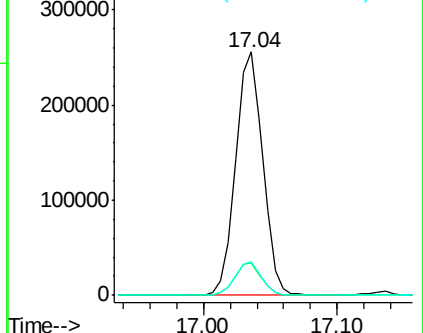
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.04 min Scan# 2442  
Delta R.T. 0.00 min  
Lab File: BG016557.D  
Acq: 20 Apr 2015 18:41

Instrument :  
BNA\_G  
ClientSampleId :  
MW-42

Tot Ion:188 Resp: 361188  
Ion Ratio Lower Upper  
188 100  
94 13.4 12.2 18.4  
80 13.6 12.8 19.2

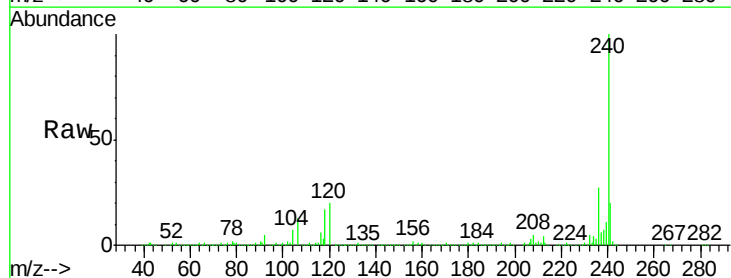


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

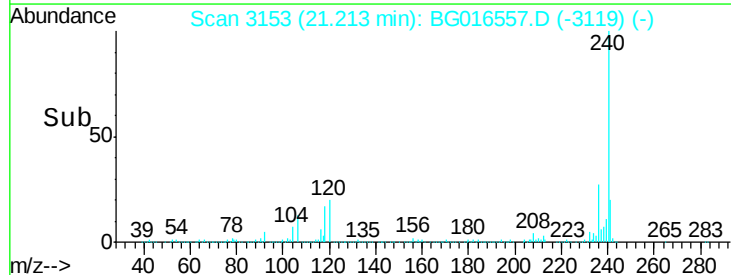
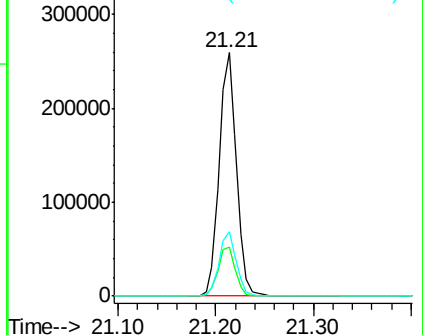


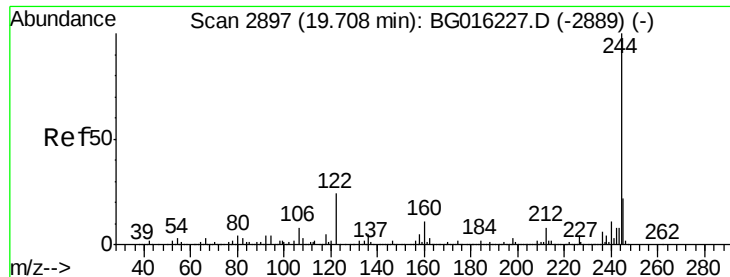
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.21 min Scan# 3153  
Delta R.T. -0.00 min  
Lab File: BG016557.D  
Acq: 20 Apr 2015 18:41

Tgt Ion:240 Resp: 318140  
Ion Ratio Lower Upper  
240 100  
120 20.4 18.6 28.0  
236 26.7 21.7 32.5



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: 79.94 ng

RT: 19.66 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG016557.D

Acq: 20 Apr 2015 18:41

Instrument :

BNA\_G

ClientSampled :

MW-42

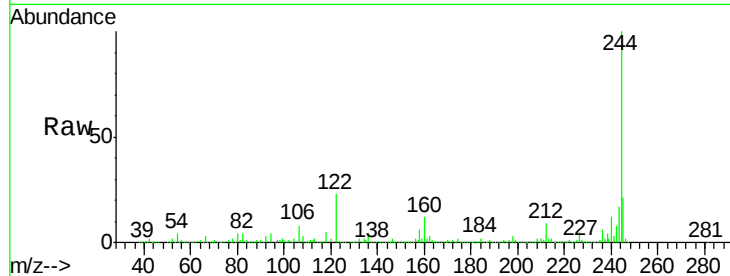
Tot Ion:244 Resp: 1086641

Ion Ratio Lower Upper

244 100

212 8.7 6.6 9.8

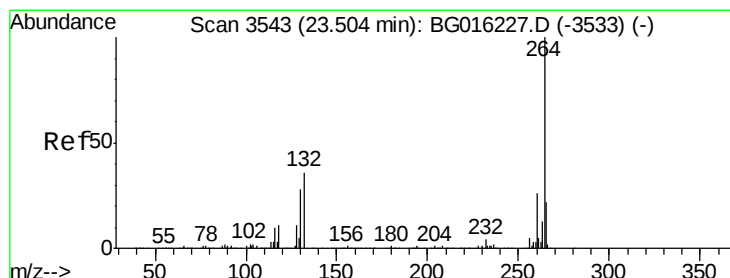
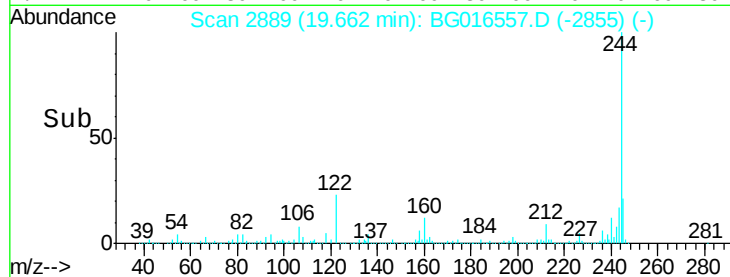
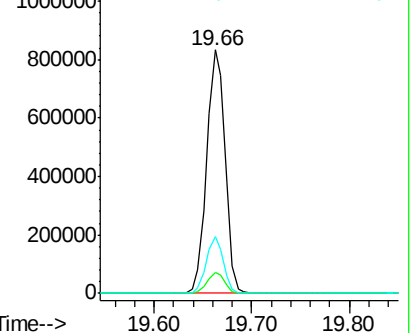
122 23.1 19.1 28.7



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: 23.43 min Scan# 3531

Delta R.T. -0.00 min

Lab File: BG016557.D

Acq: 20 Apr 2015 18:41

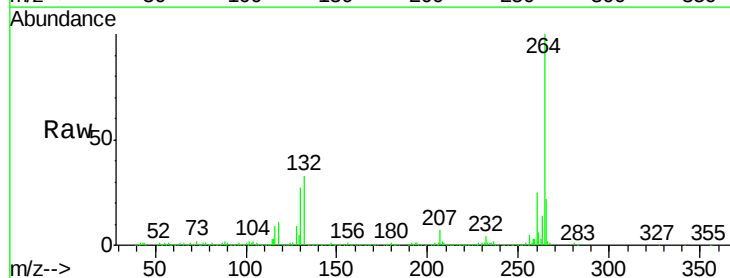
Tgt Ion:264 Resp: 297065

Ion Ratio Lower Upper

264 100

260 25.0 20.4 30.6

265 22.3 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

