

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060615\  
 Data File : BG017524.D  
 Acq On : 7 Jun 2015 8:47  
 Operator : TP/IZ  
 Sample : G2517-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 08 07:18:07 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 04 01:31:15 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.62  | 152  | 17343    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.41 | 136  | 66728    | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.29 | 164  | 46314    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.04 | 188  | 107998   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.24 | 240  | 125484   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.47 | 264  | 124704   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.22  | 112  | 44761    | 45.47  | ng    | 0.00     |
| 7) Phenol-d6                | 6.83  | 99   | 34377    | 25.63  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.79  | 82   | 108533   | 81.19  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.79 | 330  | 80461    | 125.08 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.90 | 172  | 258224   | 84.11  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.68 | 244  | 454748   | 74.90  | ng    | 0.00     |

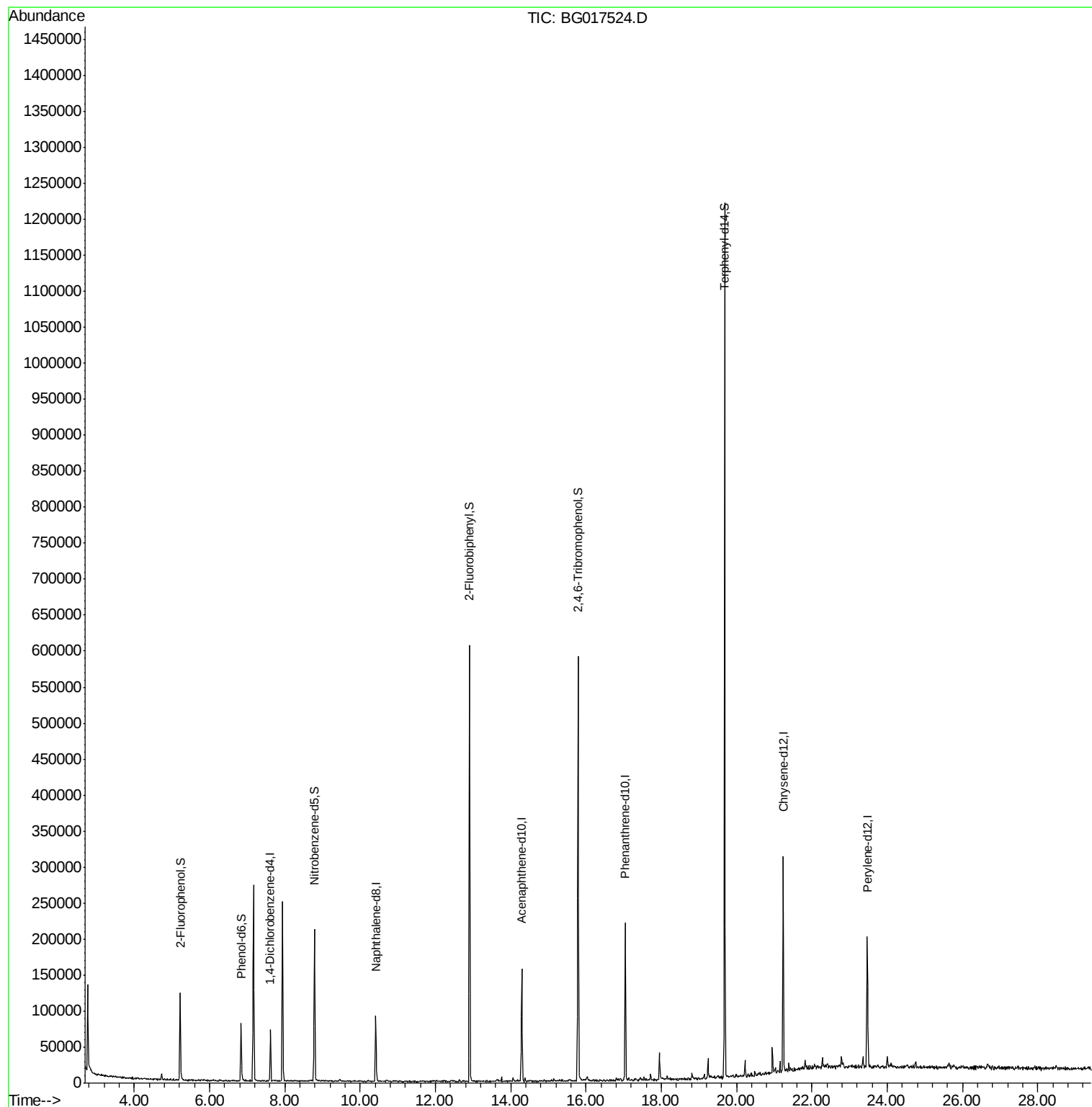
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

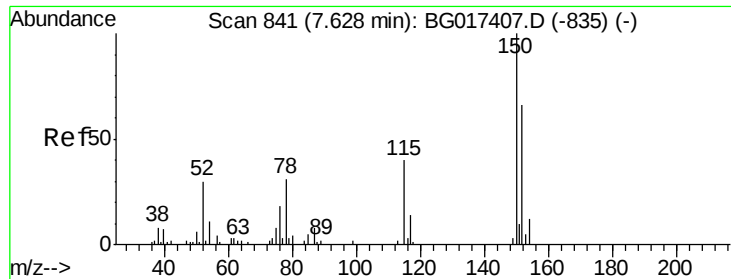
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060615\  
Data File : BG017524.D  
Acq On : 7 Jun 2015 8:47  
Operator : TP/IZ  
Sample : G2517-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Jun 08 07:18:07 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 04 01:31:15 2015  
Response via : Initial Calibration



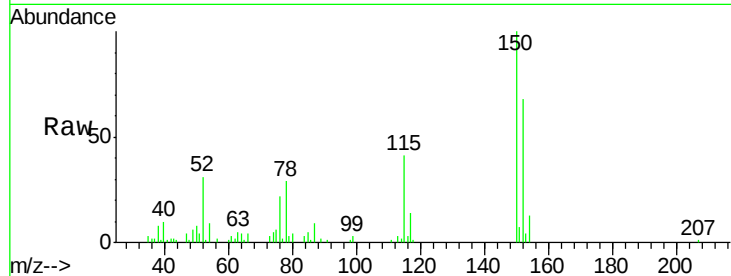


#1

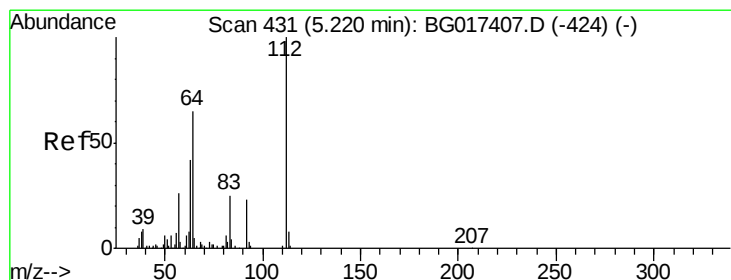
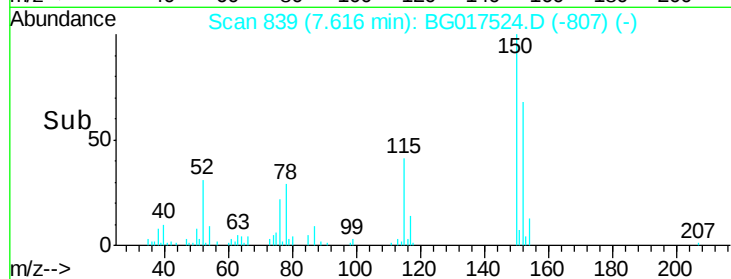
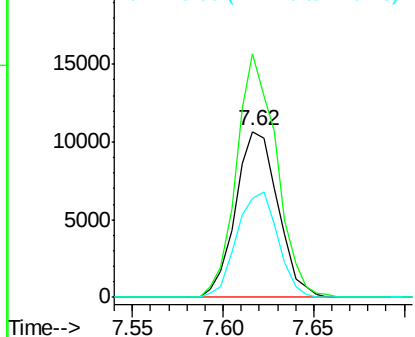
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.62 min Scan# 839  
Delta R.T. -0.01 min  
Lab File: BG017524.D  
Acq: 7 Jun 2015 8:47

Instrument :  
BNA\_G  
ClientSampled :

Tgt Ion:152 Resp: 17343  
Ion Ratio Lower Upper  
152 100  
150 146.8 121.7 182.5  
115 59.9 48.6 73.0



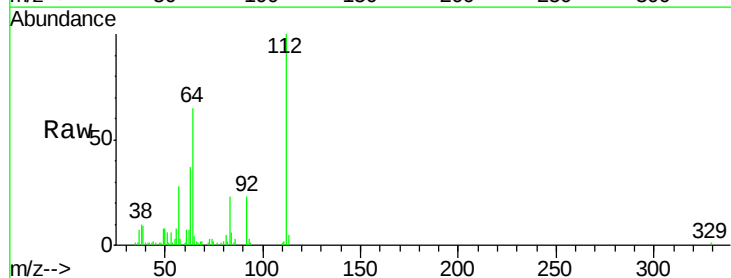
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



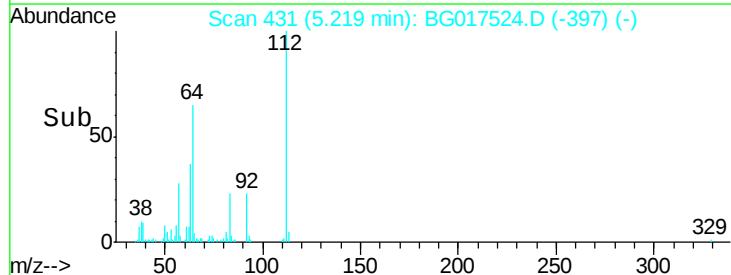
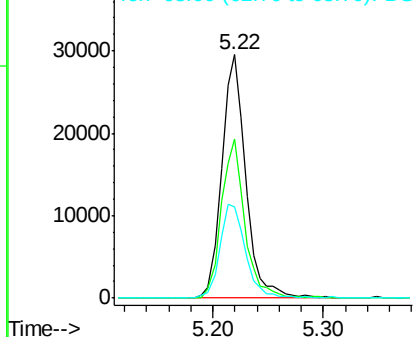
#5

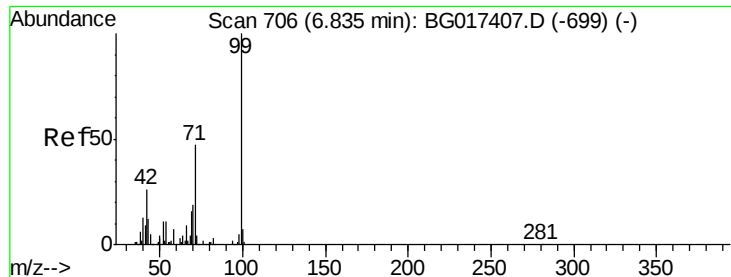
2-Fluorophenol  
Concen: 45.47 ng  
RT: 5.22 min Scan# 431  
Delta R.T. -0.00 min  
Lab File: BG017524.D  
Acq: 7 Jun 2015 8:47

Tgt Ion:112 Resp: 44761  
Ion Ratio Lower Upper  
112 100  
64 65.4 51.6 77.4  
63 37.3 33.3 49.9



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGO  
Ion 63.00 (62.70 to 63.70): BGO





#7

Phenol-d6

Concen: 25.63 ng

RT: 6.83 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG017524.D

Acq: 7 Jun 2015 8:47

Instrument :

BNA\_G

ClientSampleId :

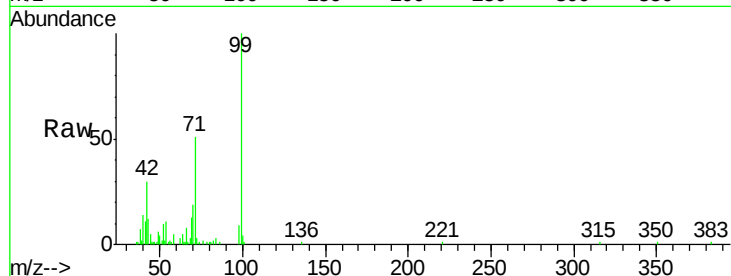
Tgt Ion: 99 Resp: 34377

Ion Ratio Lower Upper

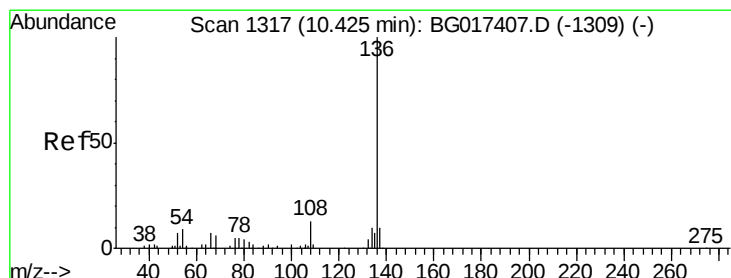
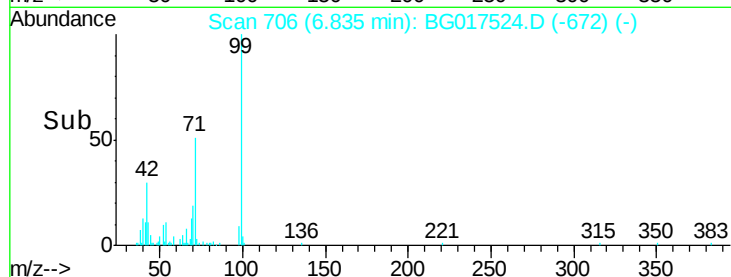
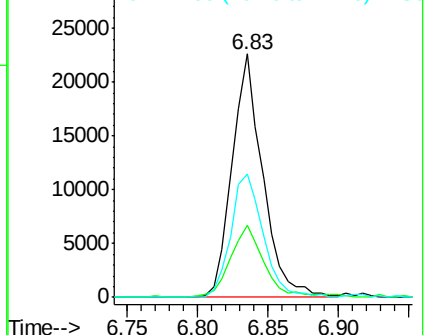
99 100

42 29.7 21.0 31.6

71 50.7 37.2 55.8



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: 10.41 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BG017524.D

Acq: 7 Jun 2015 8:47

Tgt Ion: 136 Resp: 66728

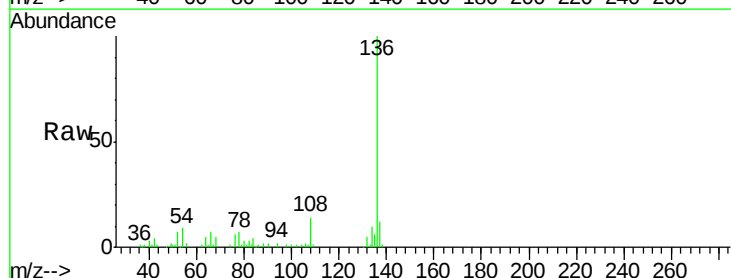
Ion Ratio Lower Upper

136 100

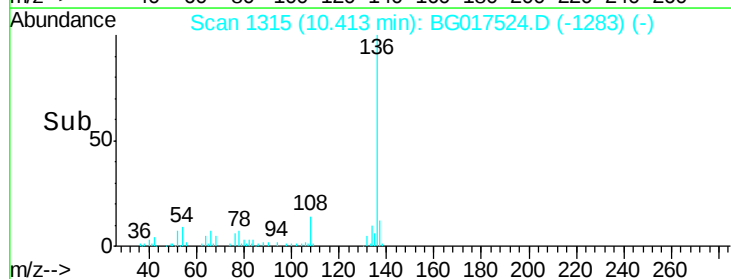
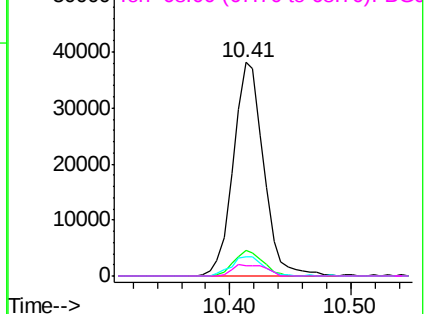
137 11.8 7.9 11.9

54 8.9 7.2 10.8

68 5.1 4.5 6.7



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

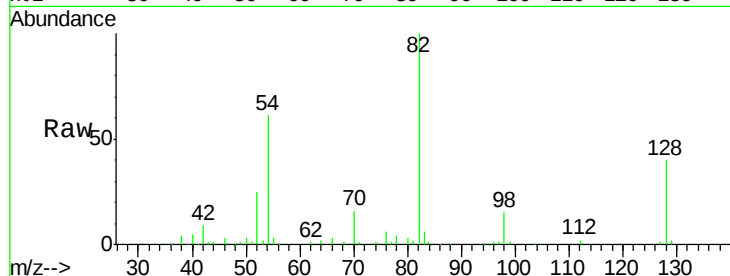




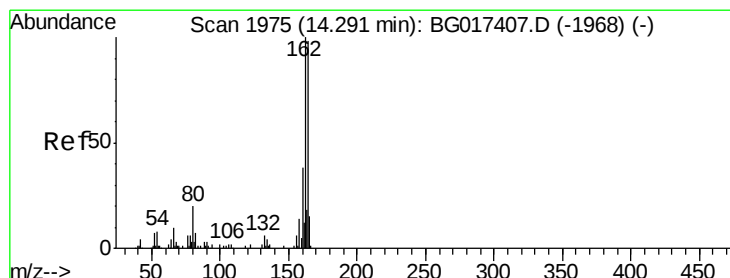
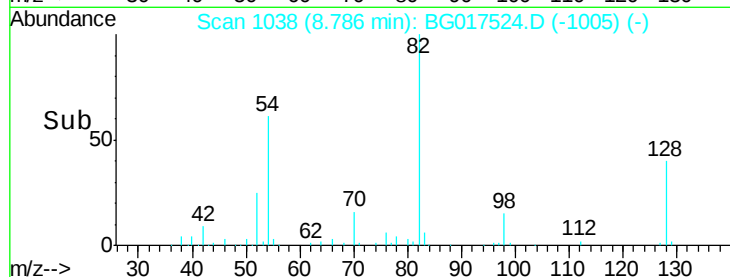
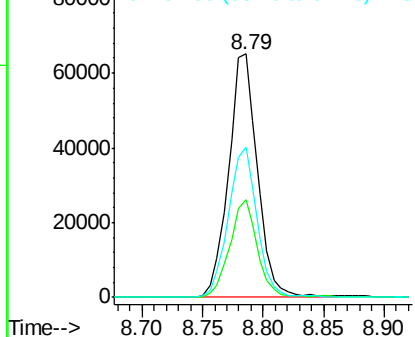
#23  
 Nitrobenzene-d5  
 Concen: 81.19 ng  
 RT: 8.79 min Scan# 1038  
 Delta R.T. -0.01 min  
 Lab File: BG017524.D  
 Acq: 7 Jun 2015 8:47

Instrument :  
 BNA\_G  
 ClientSampleId :

Tgt Ion: 82 Resp: 108533  
 Ion Ratio Lower Upper  
 82 100  
 128 39.9 32.2 48.4  
 54 61.5 47.4 71.2

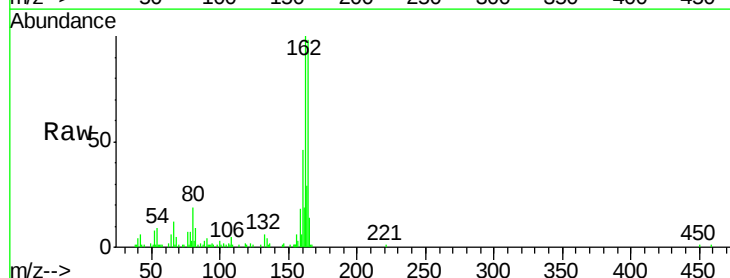


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

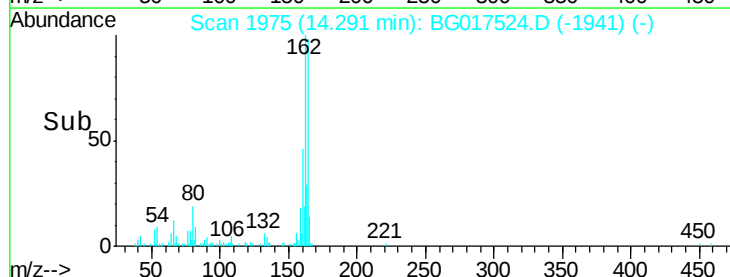
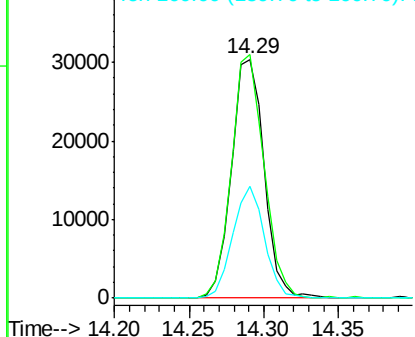


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.29 min Scan# 1975  
 Delta R.T. -0.00 min  
 Lab File: BG017524.D  
 Acq: 7 Jun 2015 8:47

Tgt Ion: 164 Resp: 46314  
 Ion Ratio Lower Upper  
 164 100  
 162 101.9 81.8 122.6  
 160 46.7 31.0 46.4#



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

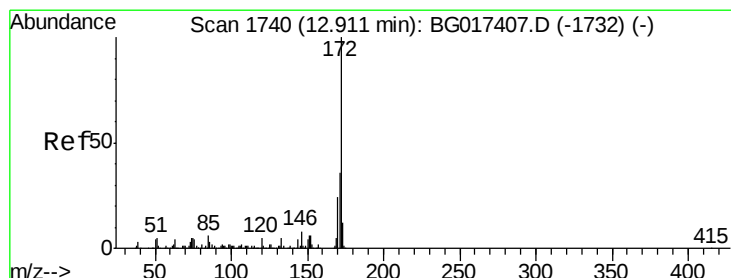
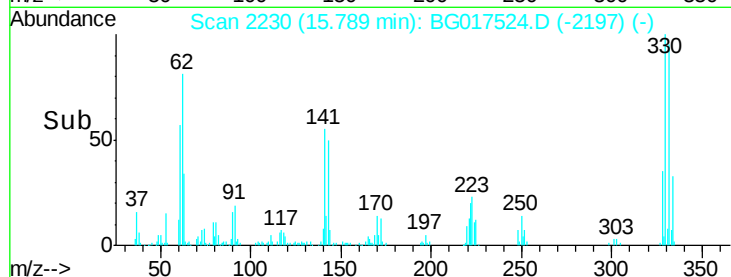
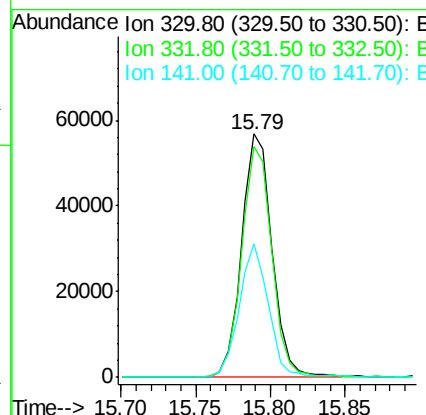
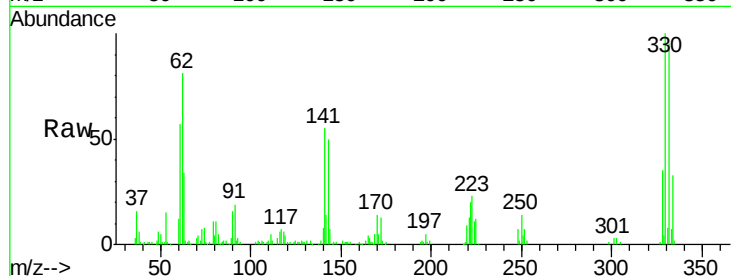




#41  
 2,4,6-Tribromophenol  
 Concen: 125.08 ng  
 RT: 15.79 min Scan# 2230  
 Delta R.T. -0.01 min  
 Lab File: BG017524.D  
 Acq: 7 Jun 2015 8:47

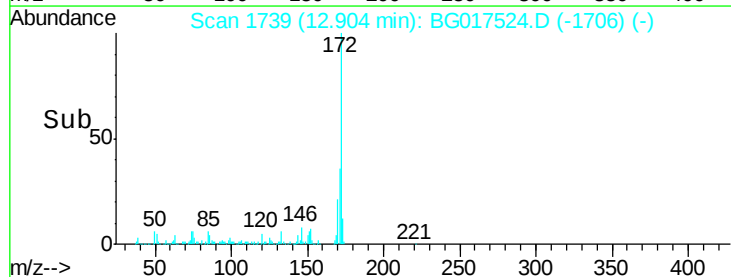
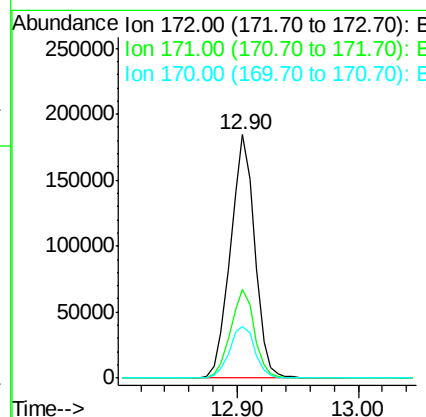
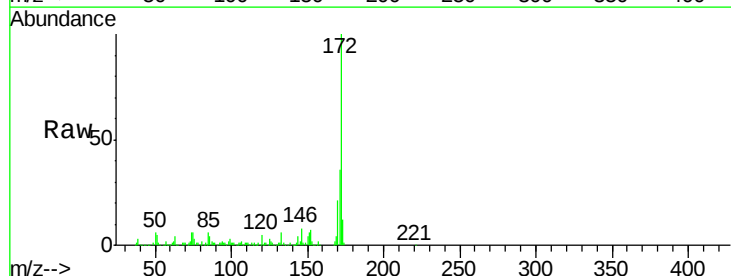
Instrument :  
 BNA\_G  
 ClientSampleId :

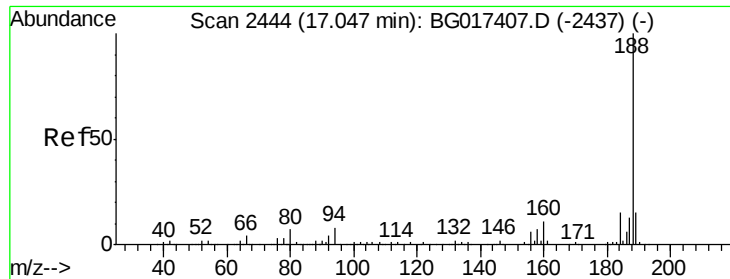
Tgt Ion:330 Resp: 80461  
 Ion Ratio Lower Upper  
 330 100  
 332 94.3 75.9 113.9  
 141 53.0 40.2 60.4



#44  
 2-Fluorobiphenyl  
 Concen: 84.11 ng  
 RT: 12.90 min Scan# 1739  
 Delta R.T. -0.01 min  
 Lab File: BG017524.D  
 Acq: 7 Jun 2015 8:47

Tgt Ion:172 Resp: 258224  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.0 43.6  
 170 21.5 18.9 28.3

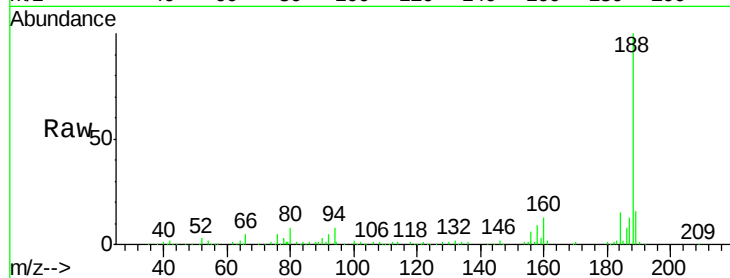




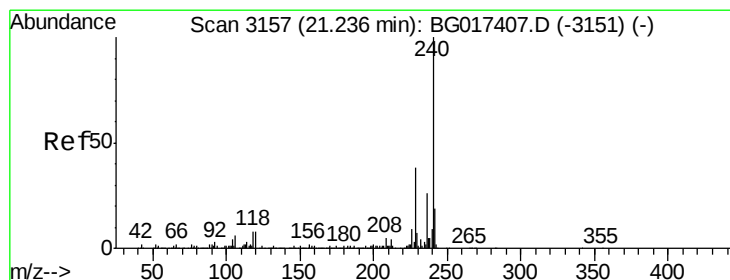
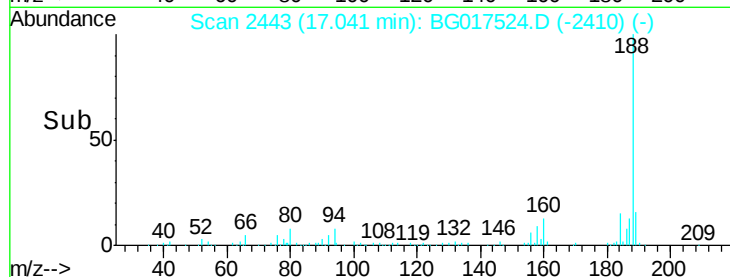
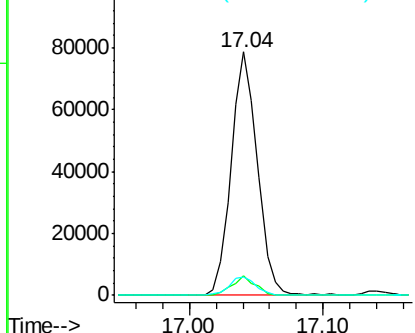
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.04 min Scan# 2443  
Delta R.T. -0.01 min  
Lab File: BG017524.D  
Acq: 7 Jun 2015 8:47

Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion:188 Resp: 107998  
Ion Ratio Lower Upper  
188 100  
94 9.0 6.3 9.5  
80 7.6 5.2 7.8

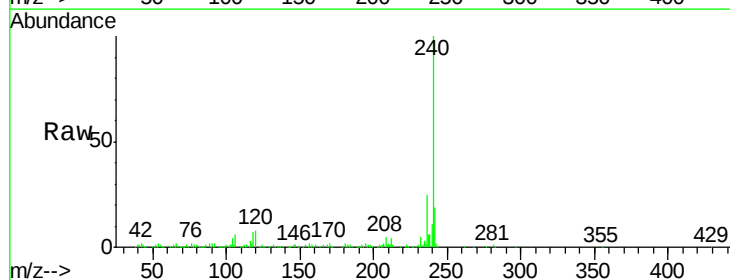


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

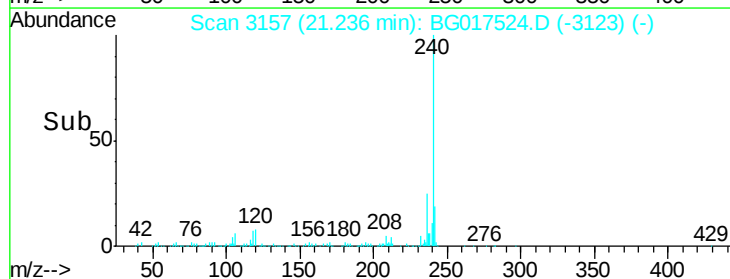
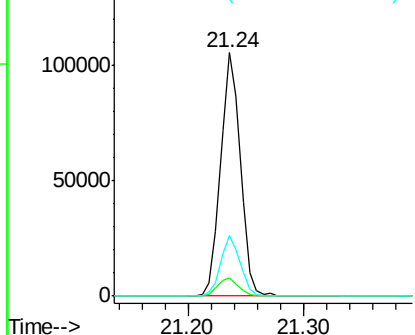


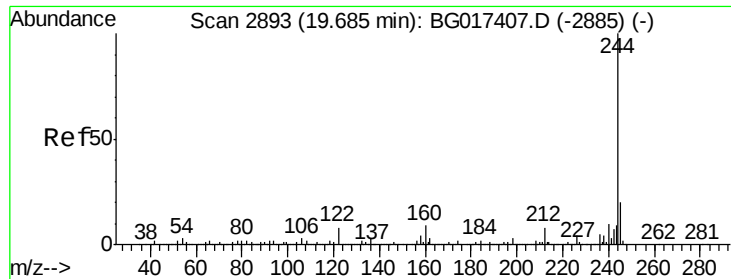
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.24 min Scan# 3157  
Delta R.T. -0.00 min  
Lab File: BG017524.D  
Acq: 7 Jun 2015 8:47

Tgt Ion:240 Resp: 125484  
Ion Ratio Lower Upper  
240 100  
120 7.8 6.5 9.7  
236 25.0 20.8 31.2



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: 74.90 ng

RT: 19.68 min Scan# 2893

Delta R.T. -0.00 min

Lab File: BG017524.D

Acq: 7 Jun 2015 8:47

Instrument :

BNA\_G

ClientSampleId :

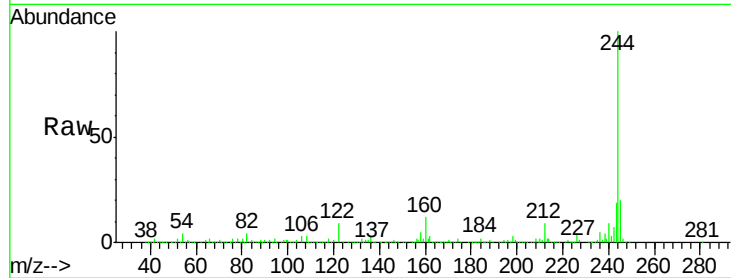
Tgt Ion:244 Resp: 454748

Ion Ratio Lower Upper

244 100

212 8.9 6.4 9.6

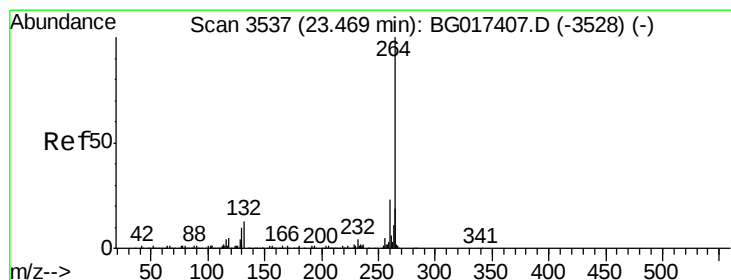
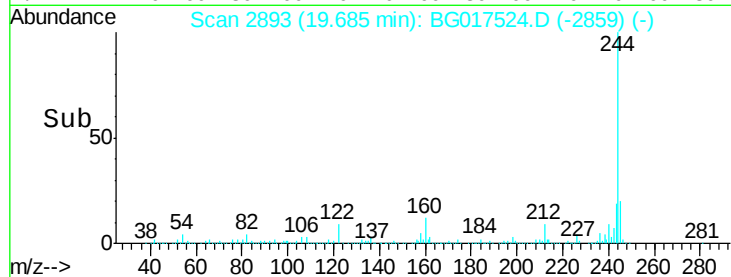
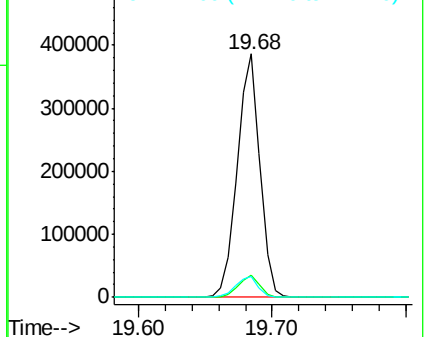
122 8.6 6.6 10.0



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: 23.47 min Scan# 3538

Delta R.T. 0.01 min

Lab File: BG017524.D

Acq: 7 Jun 2015 8:47

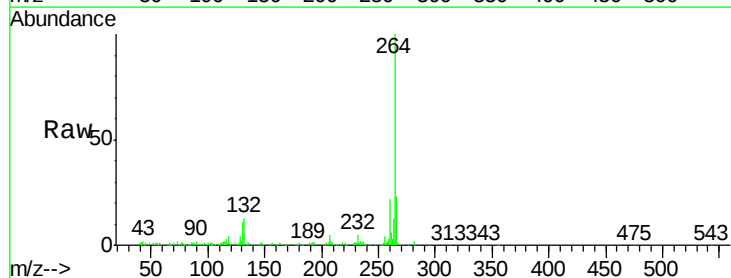
Tgt Ion:264 Resp: 124704

Ion Ratio Lower Upper

264 100

260 21.9 18.2 27.4

265 23.2 15.8 23.6



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

