

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050115\  
 Data File : BG016850.D  
 Acq On : 1 May 2015 18:13  
 Operator : TP/IZ  
 Sample : G2032-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B3GW

Quant Time: May 02 00:04:37 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 01 23:47:41 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.26  | 152  | 48231    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.03 | 136  | 209014   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 13.94 | 164  | 119816   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 16.70 | 188  | 252838   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 20.91 | 240  | 232946   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 22.98 | 264  | 215860   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.87  | 112  | 160502   | 61.30  | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 131092   | 35.67  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.42  | 82   | 291637   | 90.89  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.45 | 330  | 139974   | 156.86 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.55 | 172  | 706134   | 91.25  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.36 | 244  | 792060   | 82.01  | ng    | 0.00     |

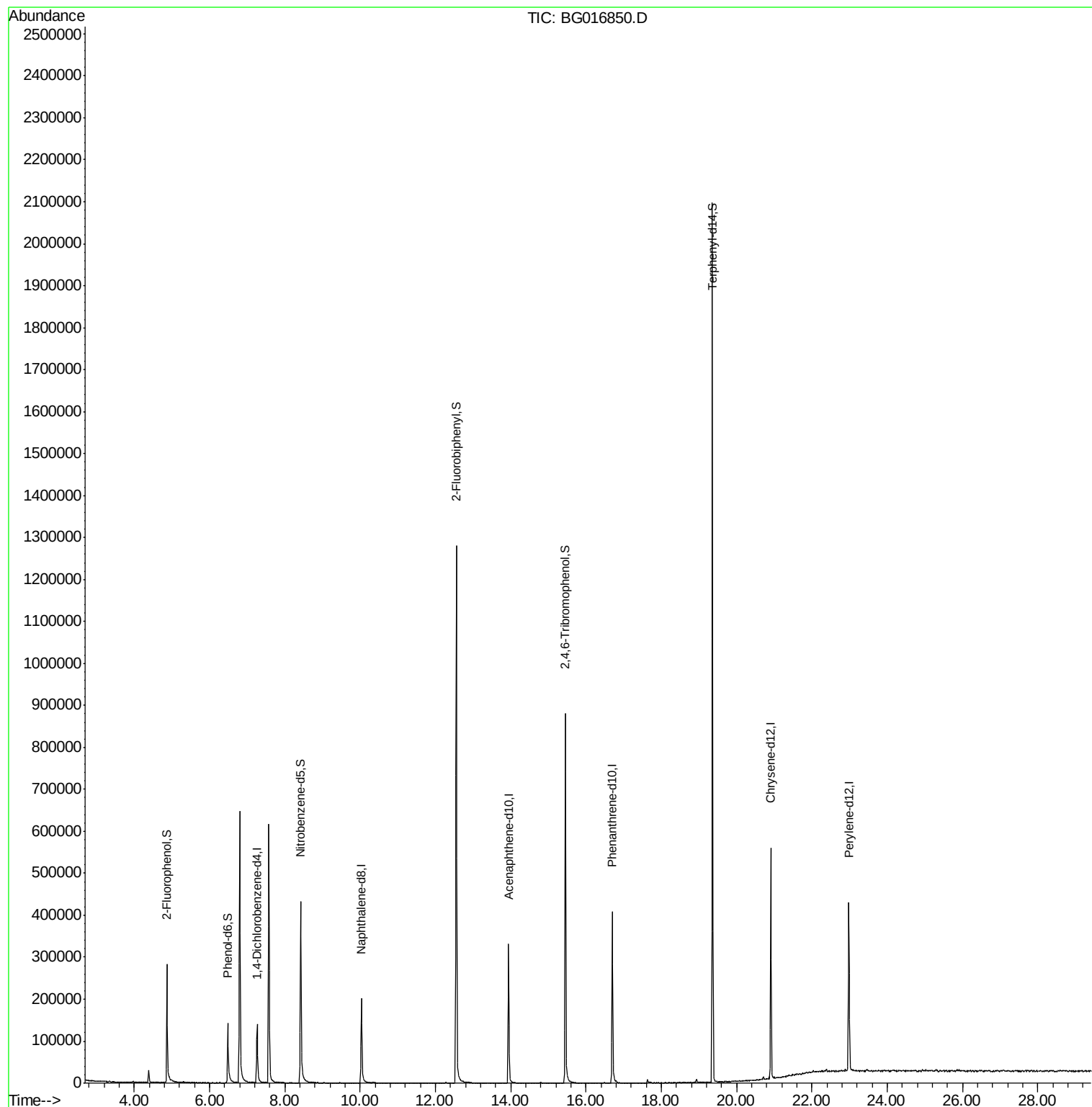
Target Compounds Qvalue

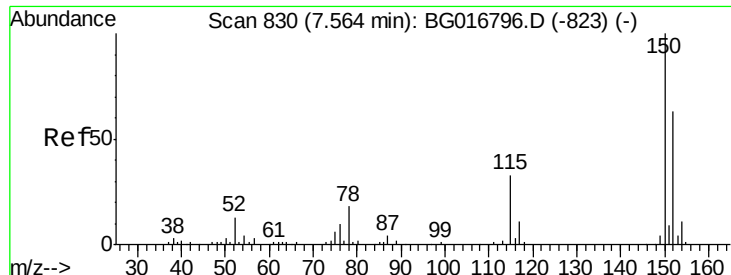
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 01 23:47:41 2015  
Response via : Initial Calibration



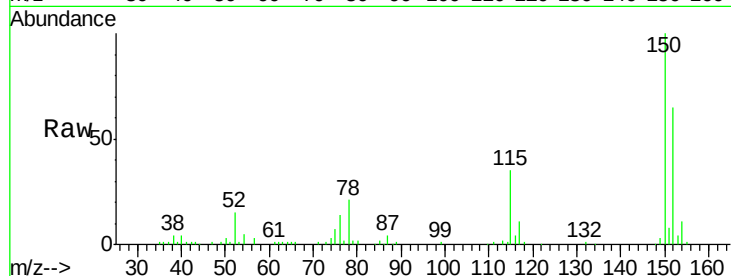


#1

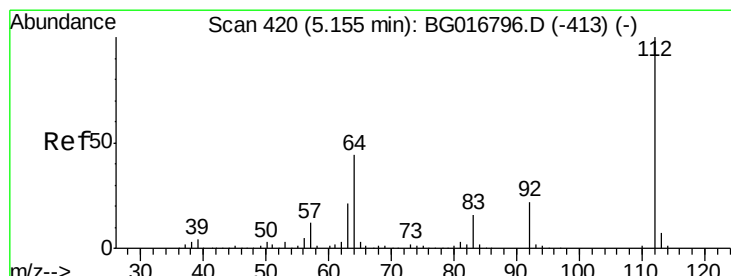
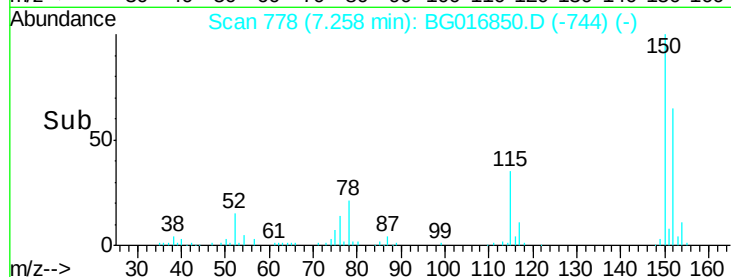
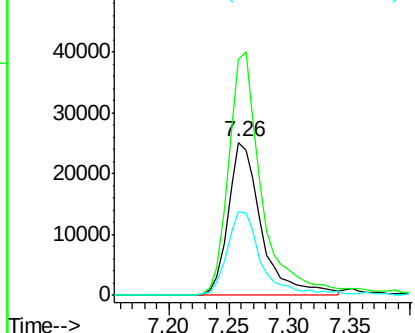
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.26 min Scan# 778  
Delta R.T. 0.00 min  
Lab File: BG016850.D  
Acq: 1 May 2015 18:13

Instrument :  
BNA\_G  
ClientSampleId :  
B3GW

Tot Ion:152 Resp: 48231  
Ion Ratio Lower Upper  
152 100  
150 154.2 126.2 189.4  
115 54.4 41.1 61.7



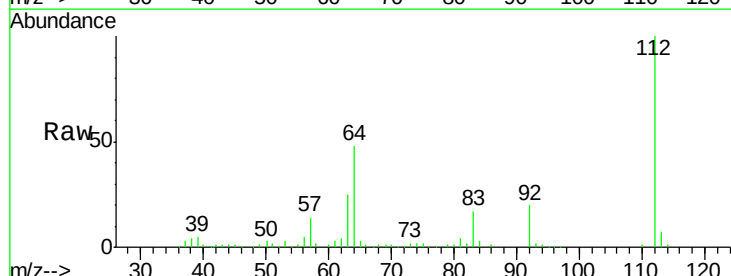
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



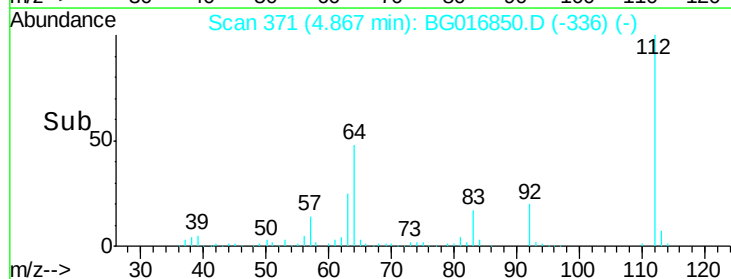
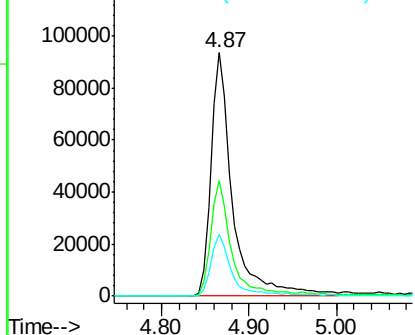
#5

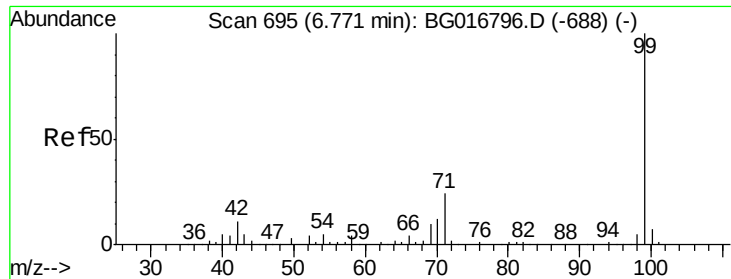
2-Fluorophenol  
Concen: 61.30 ng  
RT: 4.87 min Scan# 371  
Delta R.T. 0.01 min  
Lab File: BG016850.D  
Acq: 1 May 2015 18:13

Tgt Ion:112 Resp: 160502  
Ion Ratio Lower Upper  
112 100  
64 47.6 35.5 53.3  
63 25.4 17.2 25.8



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: 35.67 ng

RT: 6.48 min Scan# 646

Delta R.T. 0.01 min

Lab File: BG016850.D

Acq: 1 May 2015 18:13

Instrument :

BNA\_G

ClientSampleId :

B3GW

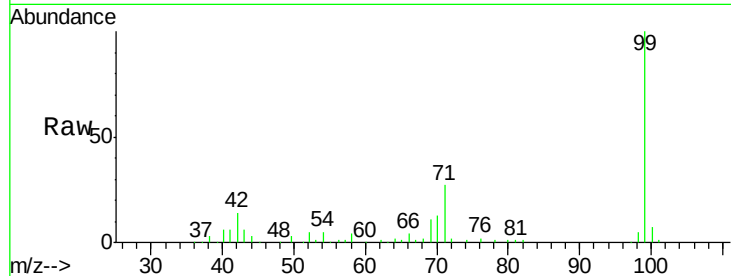
Tot Ion: 99 Resp: 131092

Ion Ratio Lower Upper

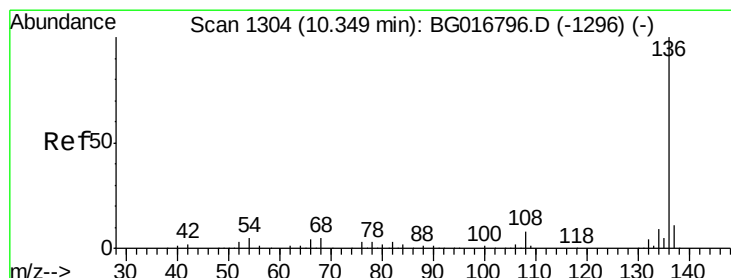
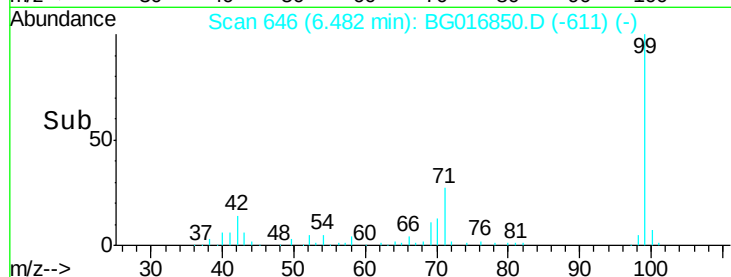
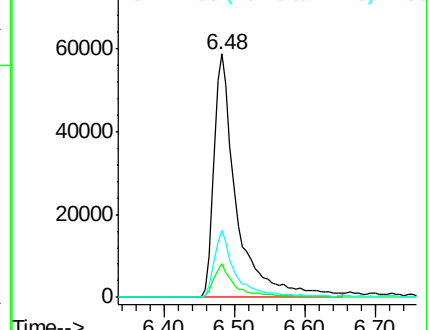
99 100

42 13.9 8.9 13.3#

71 27.4 19.0 28.6



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: 10.03 min Scan# 1250

Delta R.T. 0.00 min

Lab File: BG016850.D

Acq: 1 May 2015 18:13

Tgt Ion: 136 Resp: 209014

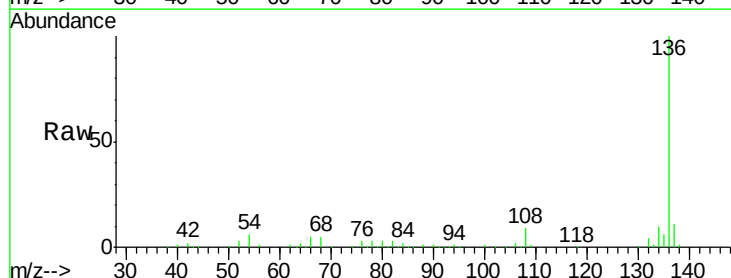
Ion Ratio Lower Upper

136 100

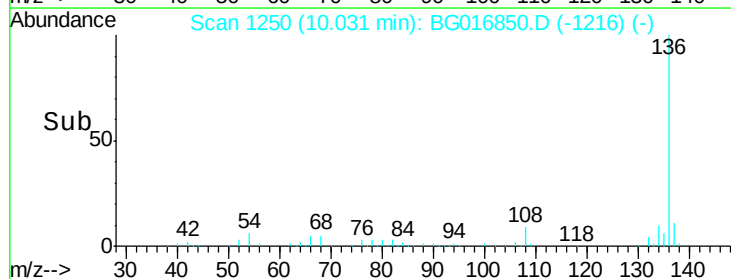
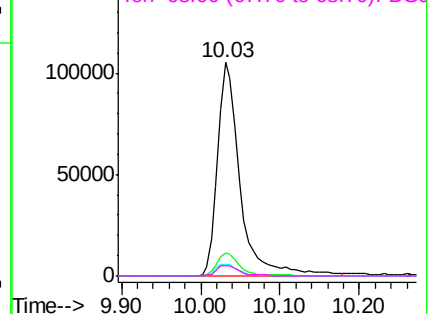
137 11.1 8.6 12.8

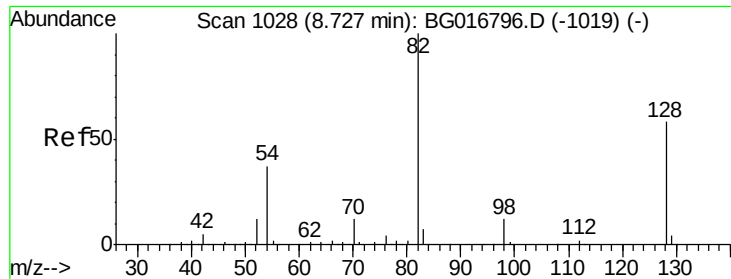
54 5.7 4.3 6.5

68 4.6 4.3 6.5



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

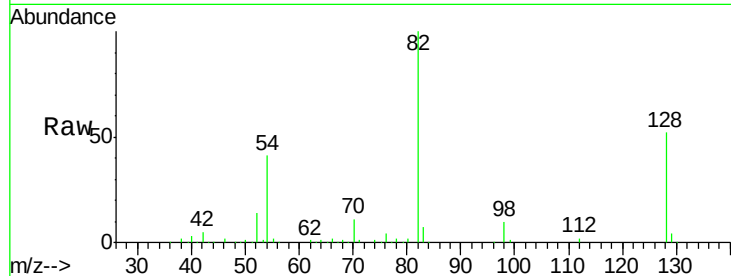




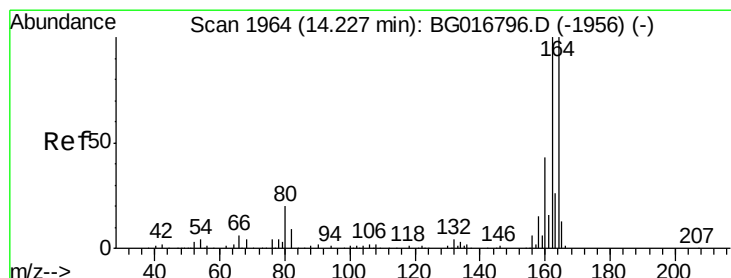
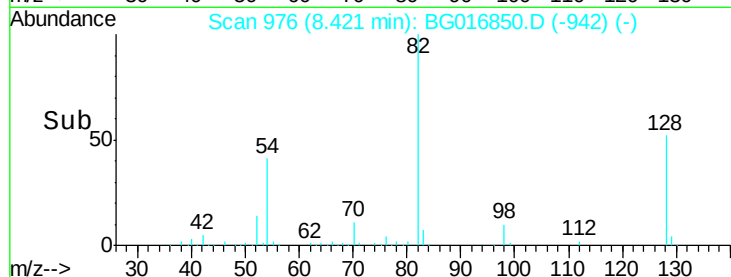
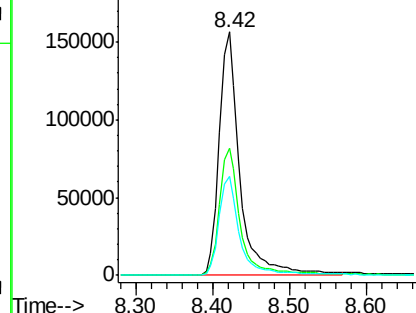
#23  
 Nitrobenzene-d5  
 Concen: 90.89 ng  
 RT: 8.42 min Scan# 976  
 Delta R.T. 0.00 min  
 Lab File: BG016850.D  
 Acq: 1 May 2015 18:13

Instrument :  
 BNA\_G  
 ClientSampleID :  
 B3GW

| Tot Ion   | 82    | Resp  | 291637 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 52.4  | 46.3  | 69.5   |
| 54        | 40.5  | 30.0  | 45.0   |



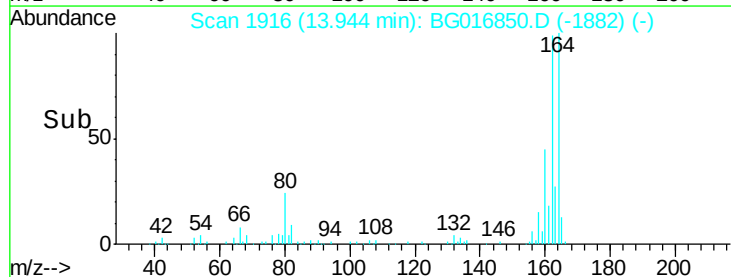
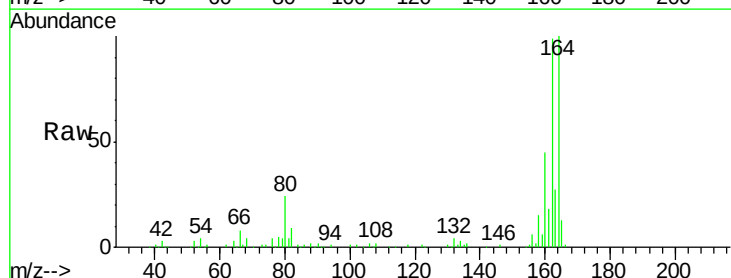
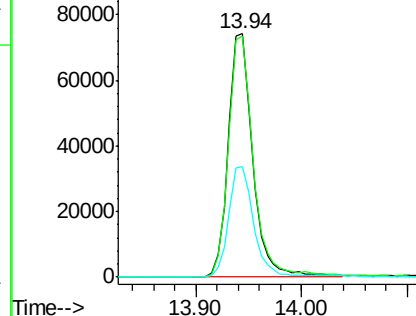
Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

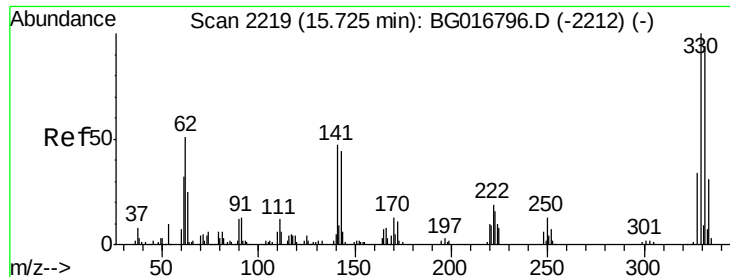


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 13.94 min Scan# 1916  
 Delta R.T. 0.00 min  
 Lab File: BG016850.D  
 Acq: 1 May 2015 18:13

| Tgt Ion   | 164   | Resp  | 119816 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 99.3  | 80.2  | 120.4  |
| 160       | 45.5  | 34.8  | 52.2   |

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

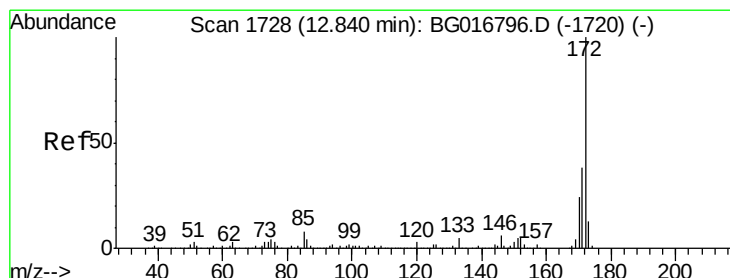
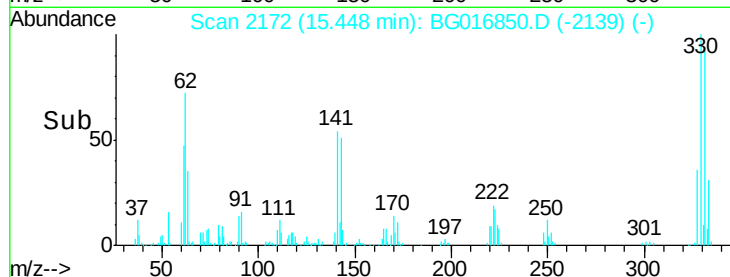
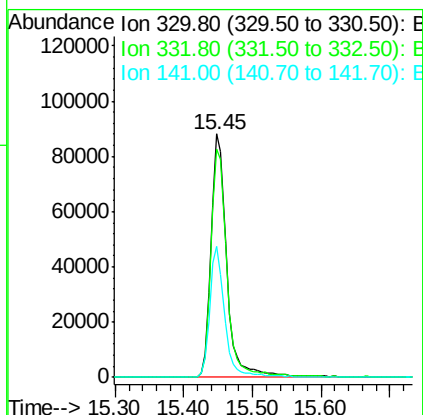
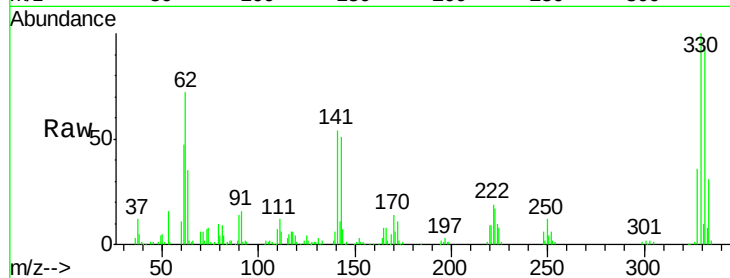




#41  
 2,4,6-Tribromophenol  
 Concen: 156.86 ng  
 RT: 15.45 min Scan# 2172  
 Delta R.T. -0.00 min  
 Lab File: BG016850.D  
 Acq: 1 May 2015 18:13

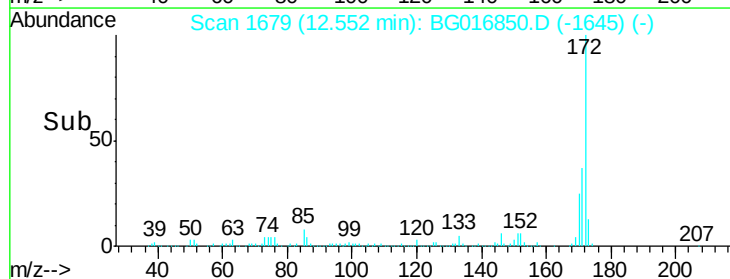
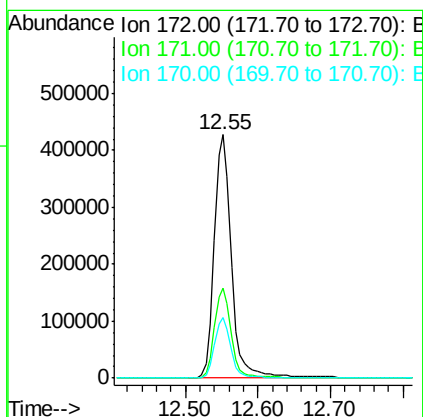
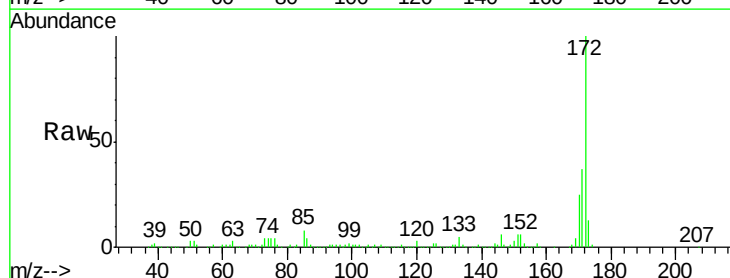
Instrument :  
 BNA\_G  
 ClientSampleId :  
 B3GW

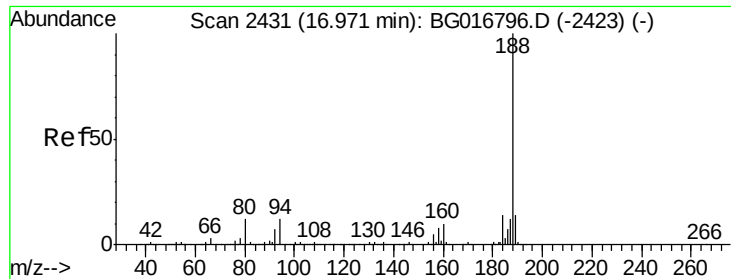
Tot Ion:330 Resp: 139974  
 Ion Ratio Lower Upper  
 330 100  
 332 93.4 75.3 112.9  
 141 51.2 40.7 61.1



#44  
 2-Fluorobiphenyl  
 Concen: 91.25 ng  
 RT: 12.55 min Scan# 1679  
 Delta R.T. 0.00 min  
 Lab File: BG016850.D  
 Acq: 1 May 2015 18:13

Tgt Ion:172 Resp: 706134  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 30.2 45.4  
 170 25.1 19.4 29.0

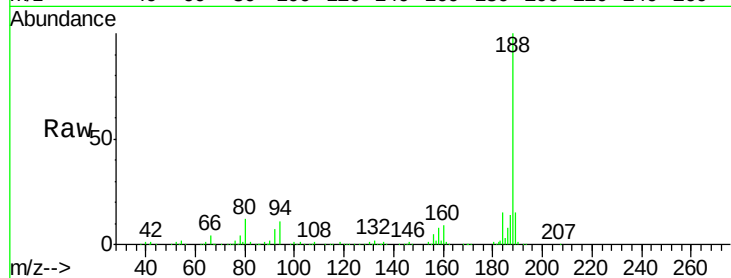




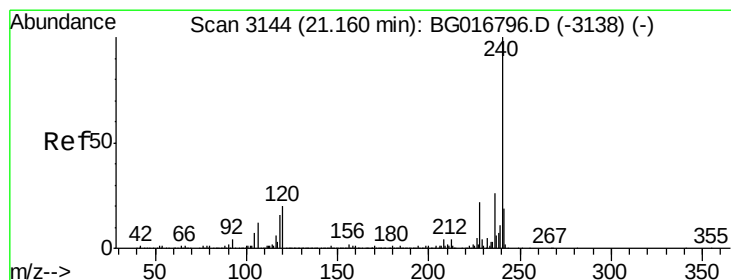
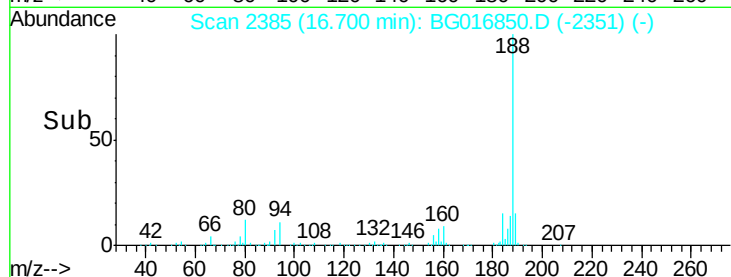
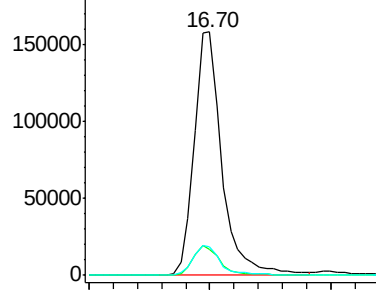
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.70 min Scan# 2385  
Delta R.T. 0.00 min  
Lab File: BG016850.D  
Acq: 1 May 2015 18:13

Instrument :  
BNA\_G  
ClientSampleId :  
B3GW

Tot Ion:188 Resp: 252838  
Ion Ratio Lower Upper  
188 100  
94 10.8 9.5 14.3  
80 11.7 9.2 13.8

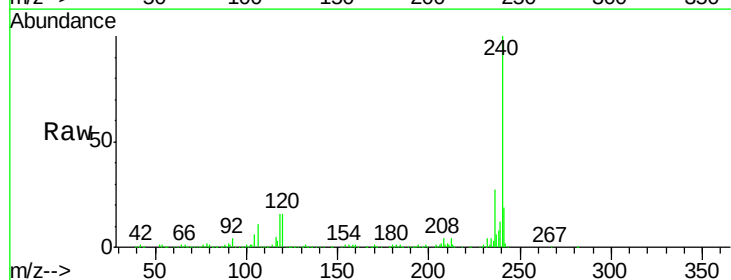


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGO  
Ion 80.00 (79.70 to 80.70): BGO

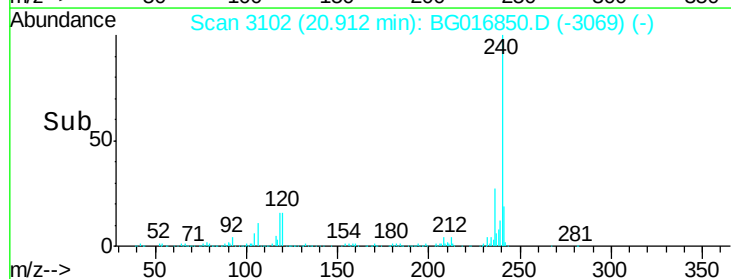
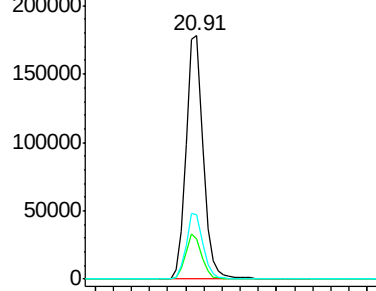


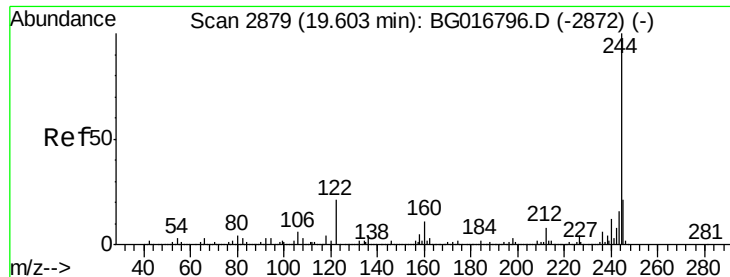
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 20.91 min Scan# 3102  
Delta R.T. -0.00 min  
Lab File: BG016850.D  
Acq: 1 May 2015 18:13

Tgt Ion:240 Resp: 232946  
Ion Ratio Lower Upper  
240 100  
120 16.4 16.1 24.1  
236 26.7 21.0 31.6



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: 82.01 ng

RT: 19.36 min Scan# 2838

Delta R.T. 0.00 min

Lab File: BG016850.D

Acq: 1 May 2015 18:13

Instrument :

BNA\_G

ClientSampleId :

B3GW

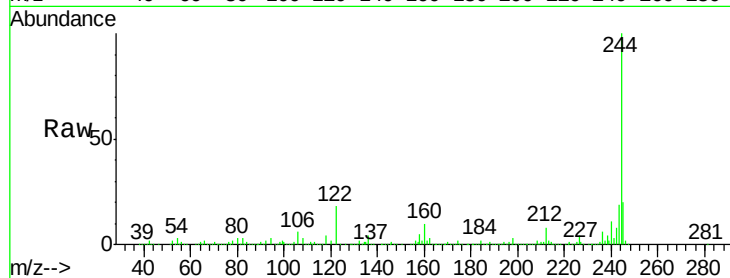
Tot Ion:244 Resp: 792060

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

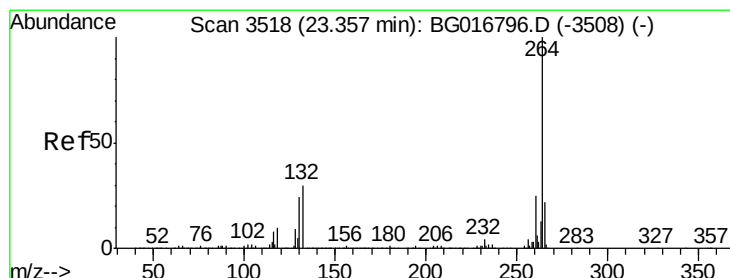
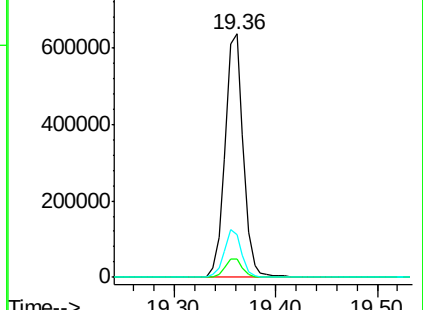
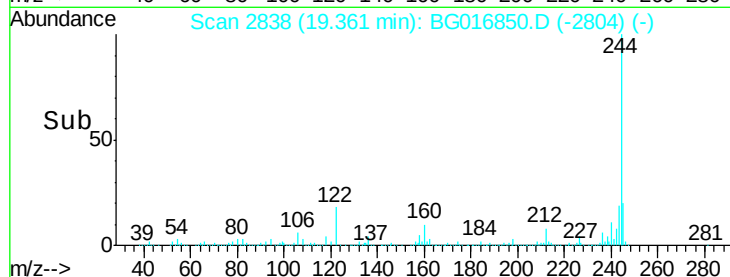
122 17.7 16.4 24.6



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: 22.98 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BG016850.D

Acq: 1 May 2015 18:13

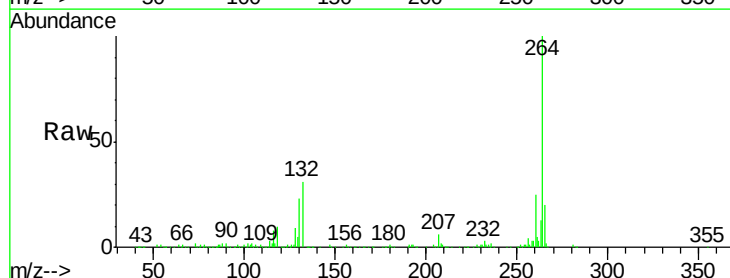
Tgt Ion:264 Resp: 215860

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

265 20.0 17.4 26.2



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

