

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102817\  
 Data File : BG030528.D  
 Acq On : 28 Oct 2017 15:22  
 Operator : SJ/JU  
 Sample : PB103644TB  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB103644TB

Quant Time: Oct 30 06:44:10 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 17:32:15 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 67587    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 290588   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.78 | 164  | 191500   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.52 | 188  | 507210   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.79 | 240  | 544874   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.11 | 264  | 545746   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.72  | 112  | 475082   | 117.43 | ng    | 0.00     |
| 7) Phenol-d6                | 7.32  | 99   | 603224   | 106.22 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 341907   | 74.77  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.26 | 330  | 312123   | 126.24 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.41 | 172  | 961317   | 73.63  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.11 | 244  | 1651564  | 68.96  | ng    | 0.00     |

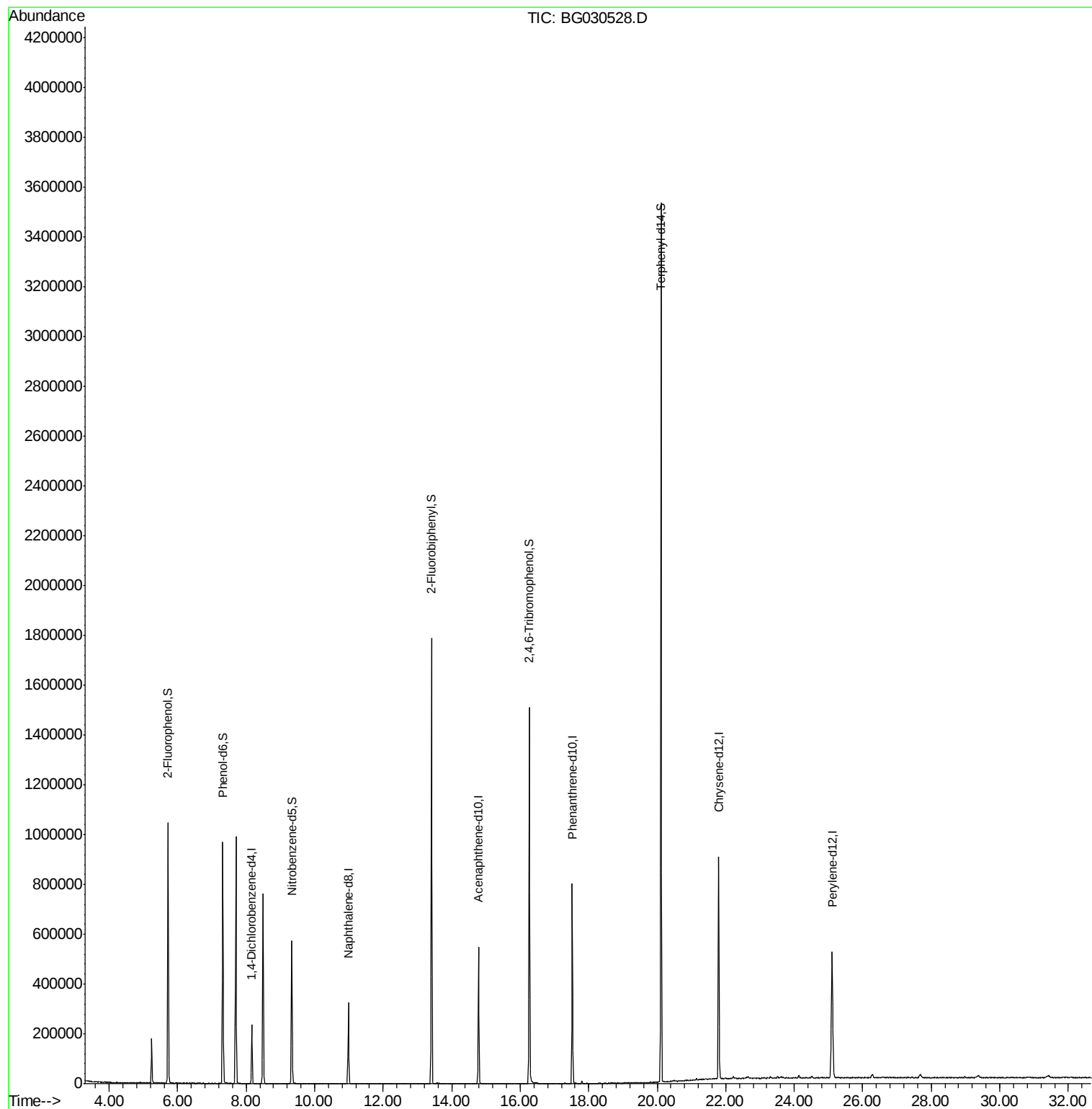
Target Compounds Qvalue

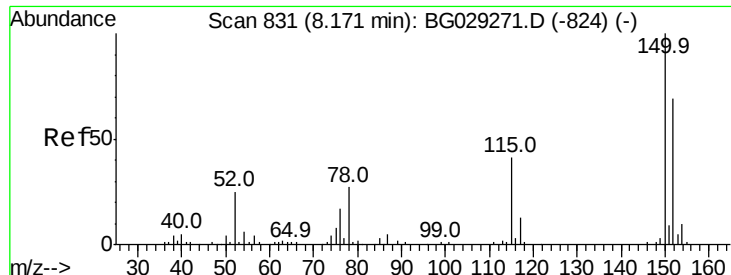
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102817\  
Data File : BG030528.D  
Acq On : 28 Oct 2017 15:22  
Operator : SJ/JU  
Sample : PB103644TB  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB103644TB

Quant Time: Oct 30 06:44:10 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 16 17:32:15 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.16 min Scan# 829

Delta R.T. -0.01 min

Lab File: BG030528.D

Acq: 28 Oct 2017 15:22

Instrument :

BNA\_G

ClientSampleId :

PB103644TB

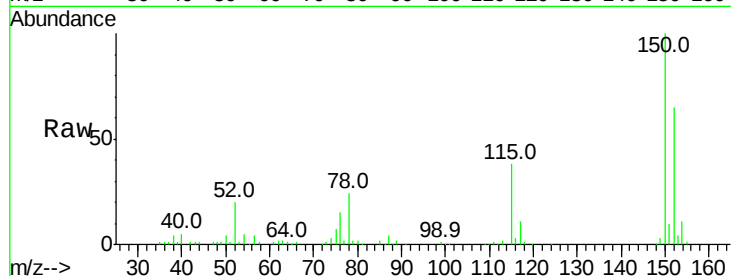
Tot Ion:152 Resp: 67587

Ion Ratio Lower Upper

152 100

150 154.5 126.6 189.8

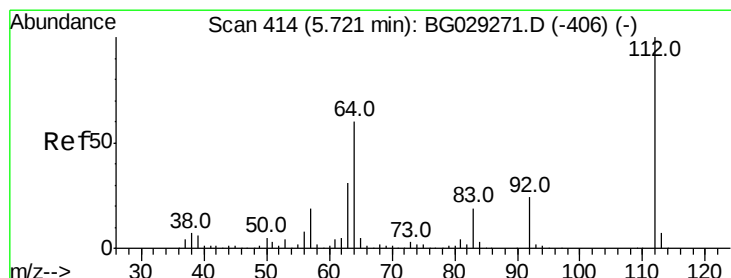
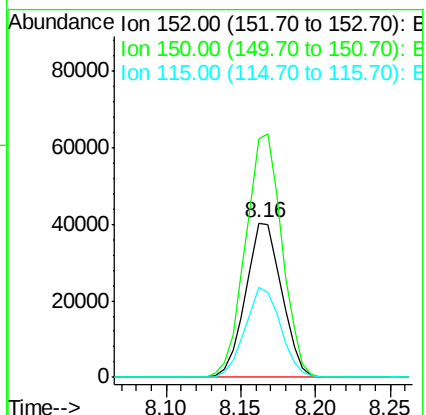
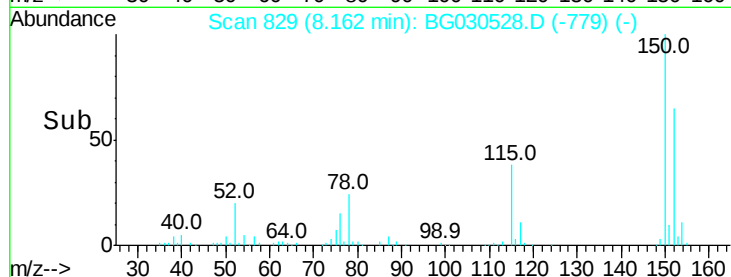
115 58.3 53.0 79.4



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: 117.426 ng

RT: 5.72 min Scan# 413

Delta R.T. -0.00 min

Lab File: BG030528.D

Acq: 28 Oct 2017 15:22

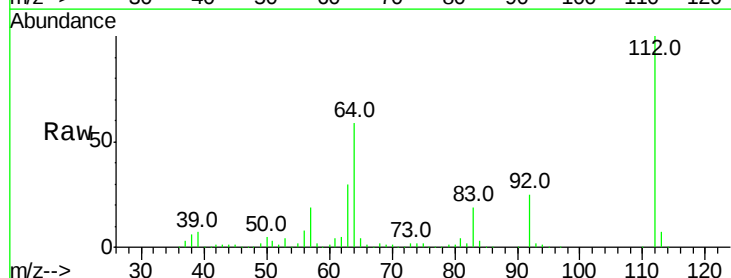
Tgt Ion:112 Resp: 475082

Ion Ratio Lower Upper

112 100

64 59.1 56.3 84.5

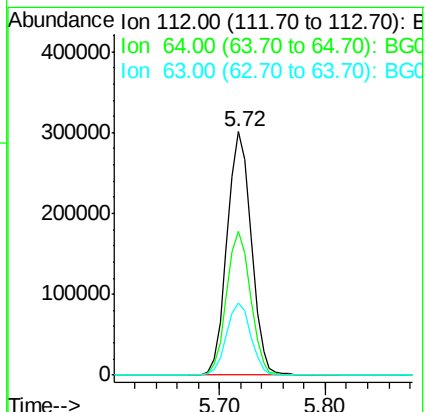
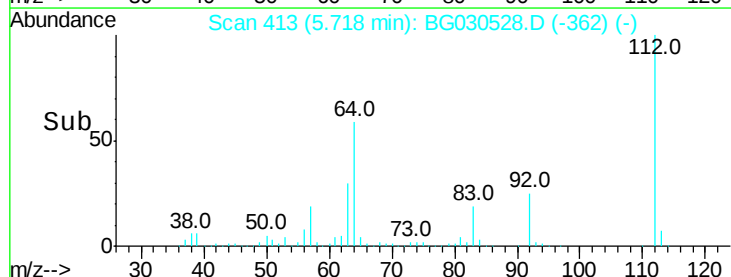
63 29.8 30.1 45.1#

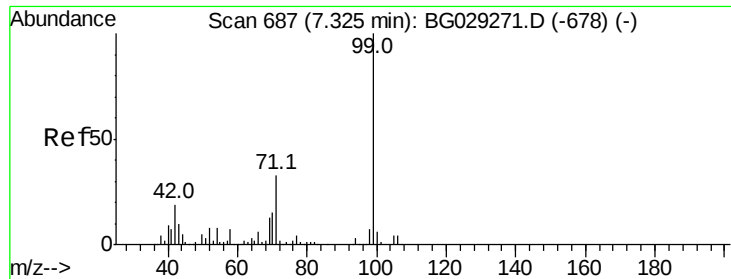


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 106.222 ng

RT: 7.32 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG030528.D

Acq: 28 Oct 2017 15:22

Instrument :

BNA\_G

ClientSampleId :

PB103644TB

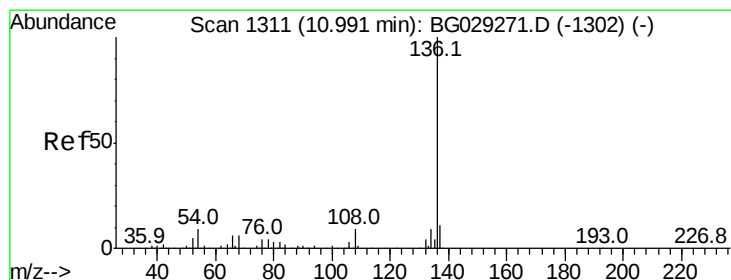
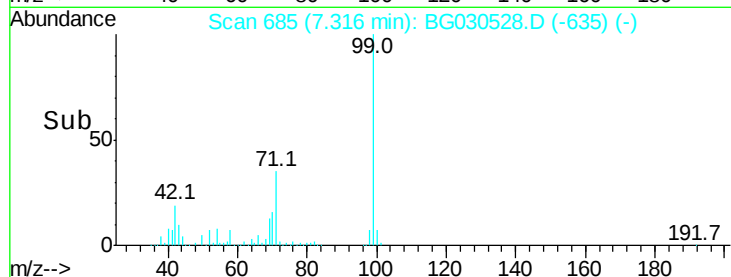
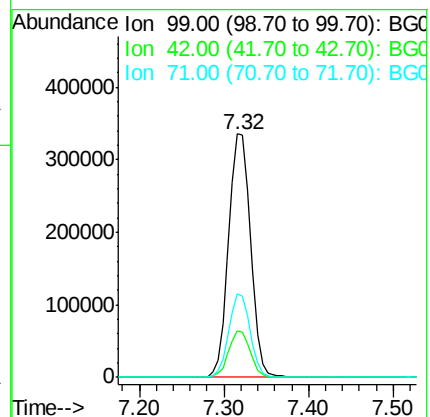
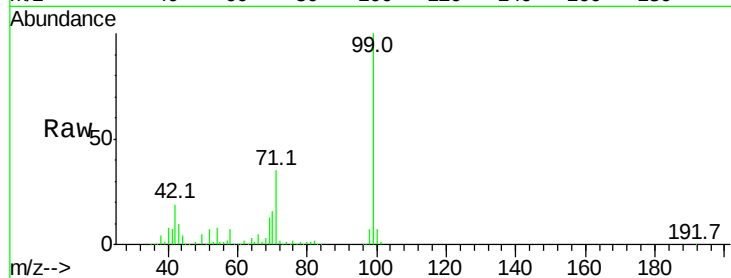
Tot Ion: 99 Resp: 603224

Ion Ratio Lower Upper

99 100

42 19.2 14.1 21.1

71 34.5 26.1 39.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.98 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BG030528.D

Acq: 28 Oct 2017 15:22

Tgt Ion: 136 Resp: 290588

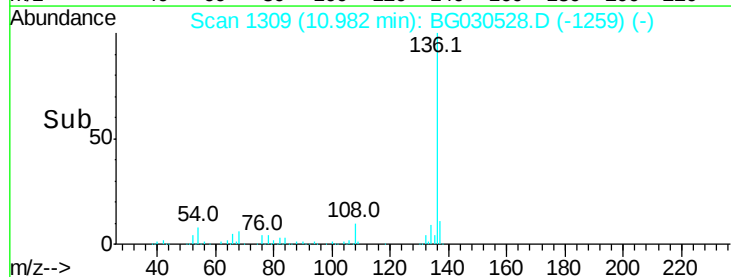
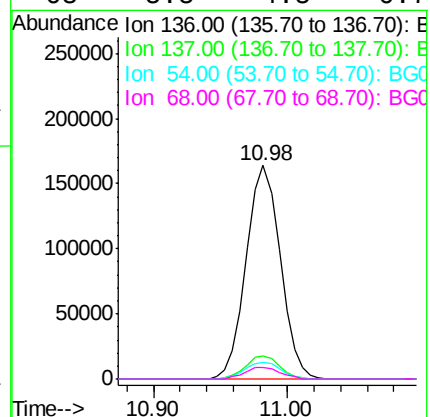
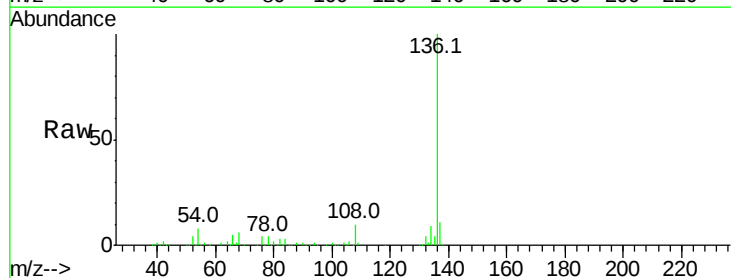
Ion Ratio Lower Upper

136 100

137 10.6 9.2 13.8

54 7.6 10.3 15.5#

68 5.5 4.5 6.7

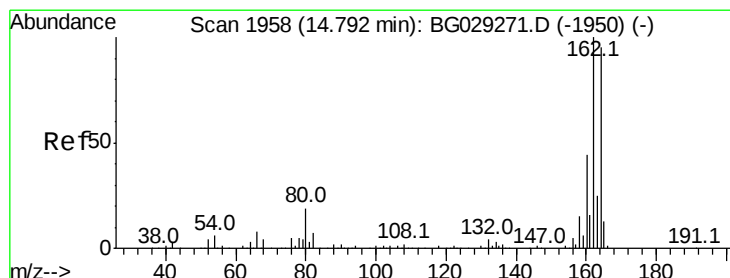
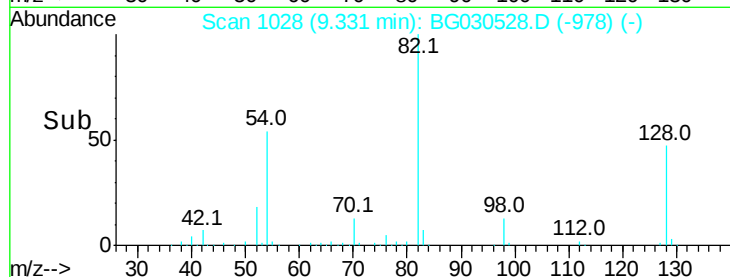
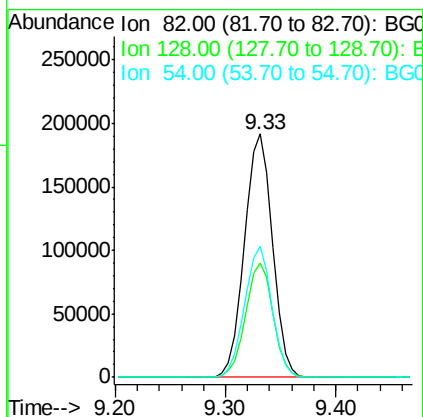
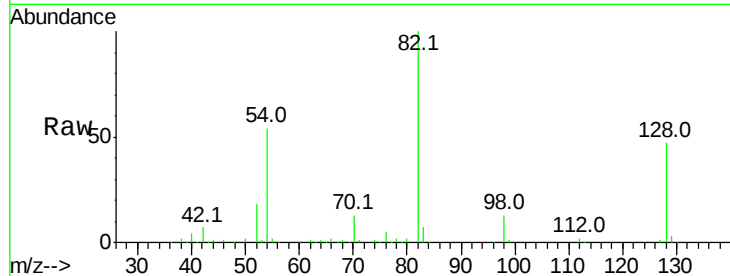




#23  
Nitrobenzene-d5  
Concen: 74.770 ng  
RT: 9.33 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BG030528.D  
Acq: 28 Oct 2017 15:22

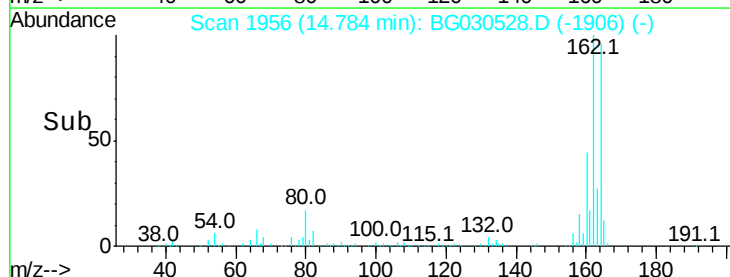
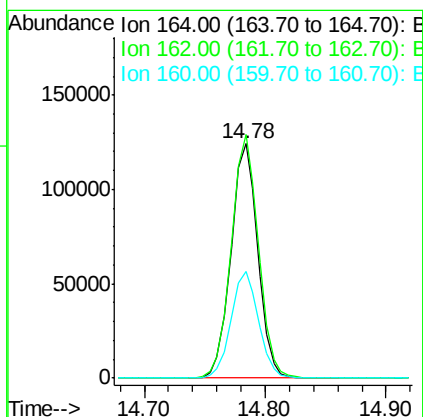
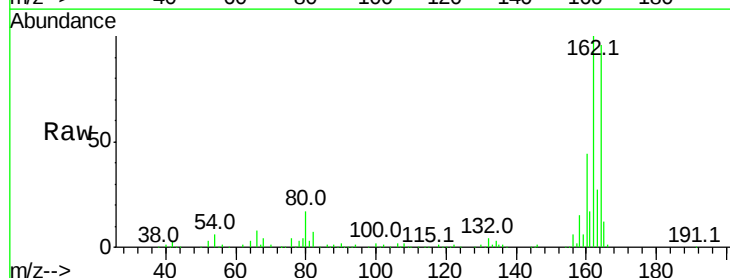
Instrument :  
BNA\_G  
ClientSampleId :  
PB103644TB

Tot Ion: 82 Resp: 341907  
Ion Ratio Lower Upper  
82 100  
128 47.2 29.7 44.5#  
54 53.8 43.1 64.7



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.78 min Scan# 1956  
Delta R.T. -0.01 min  
Lab File: BG030528.D  
Acq: 28 Oct 2017 15:22

Tgt Ion:164 Resp: 191500  
Ion Ratio Lower Upper  
164 100  
162 103.8 78.8 118.2  
160 45.5 35.4 53.0

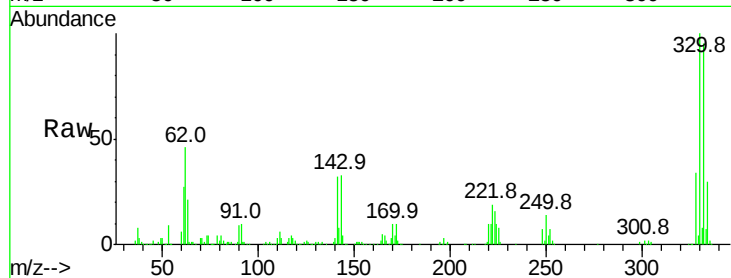




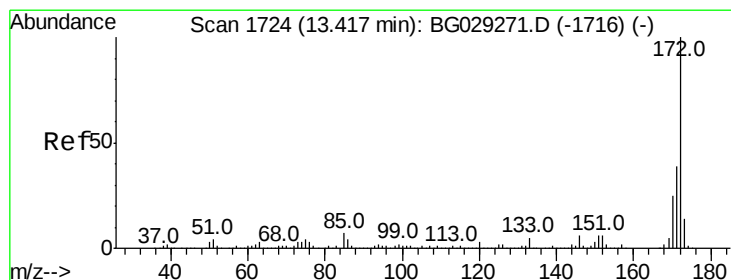
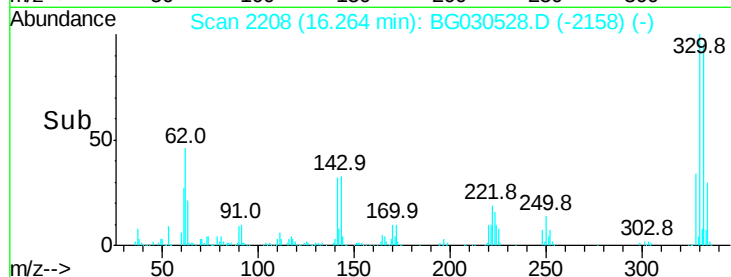
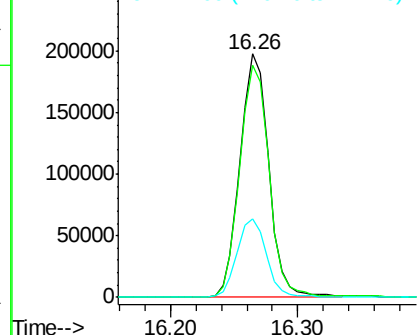
#41  
 2,4,6-Tribromophenol  
 Concen: 126.240 ng  
 RT: 16.26 min Scan# 2208  
 Delta R.T. -0.01 min  
 Lab File: BG030528.D  
 Acq: 28 Oct 2017 15:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB103644TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.4  | 77.0  | 115.6 |
| 141     | 32.8  | 25.2  | 37.8  |

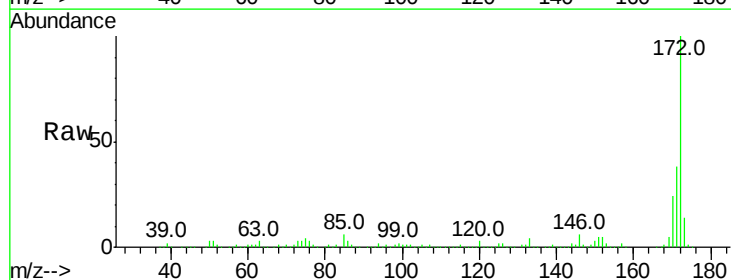


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

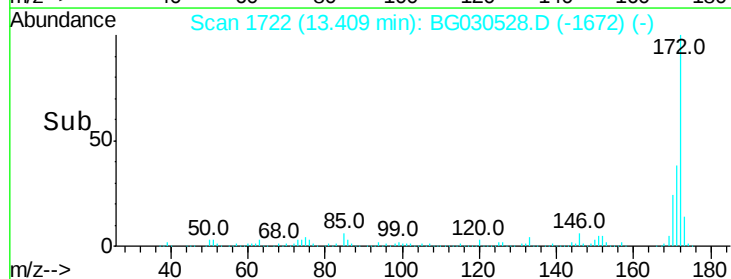
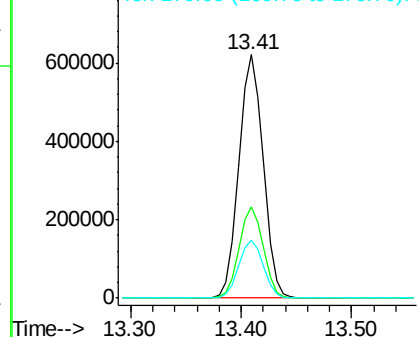


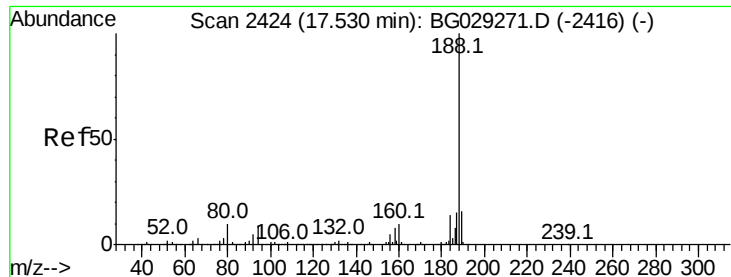
#44  
 2-Fluorobiphenyl  
 Concen: 73.625 ng  
 RT: 13.41 min Scan# 1722  
 Delta R.T. -0.01 min  
 Lab File: BG030528.D  
 Acq: 28 Oct 2017 15:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.5  | 30.0  | 45.0  |
| 170     | 23.9  | 19.5  | 29.3  |



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: 20.000 ng

RT: 17.52 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG030528.D

Acq: 28 Oct 2017 15:22

Instrument :

BNA\_G

ClientSampleId :

PB103644TB

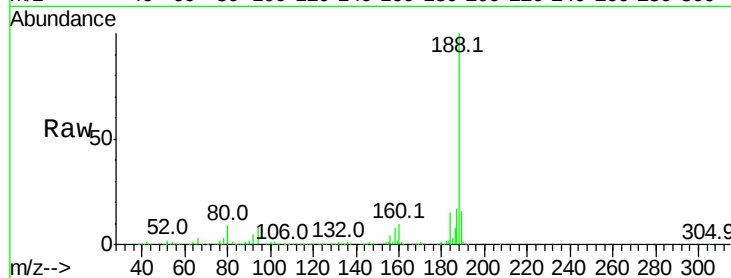
Tot Ion:188 Resp: 507210

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

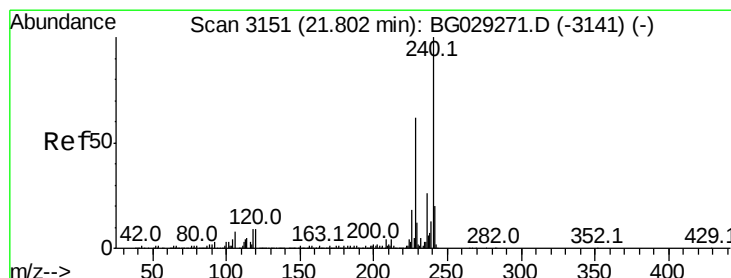
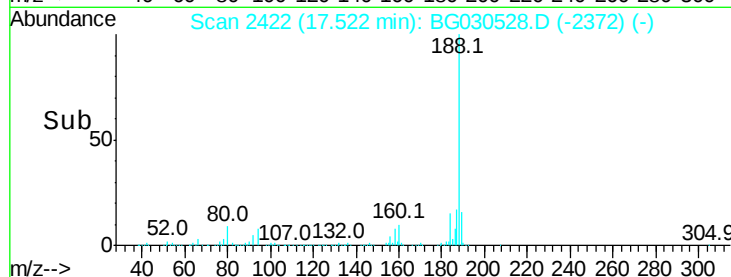
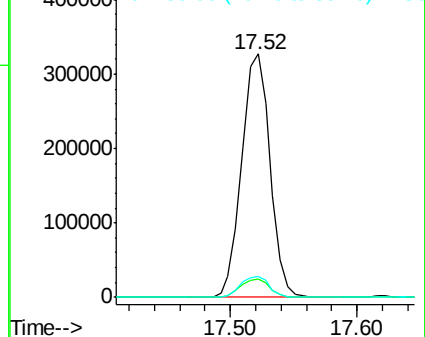
80 8.7 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.79 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG030528.D

Acq: 28 Oct 2017 15:22

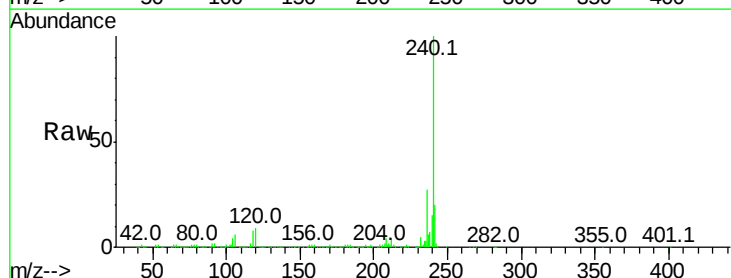
Tgt Ion:240 Resp: 544874

Ion Ratio Lower Upper

240 100

120 9.1 6.8 10.2

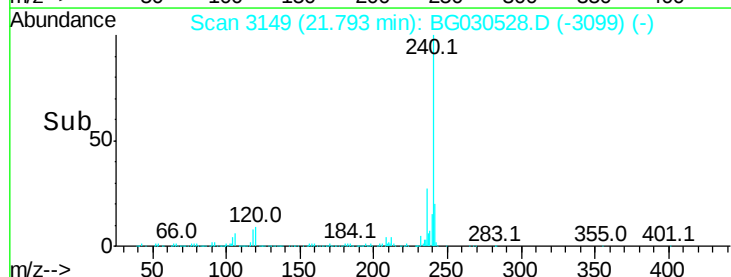
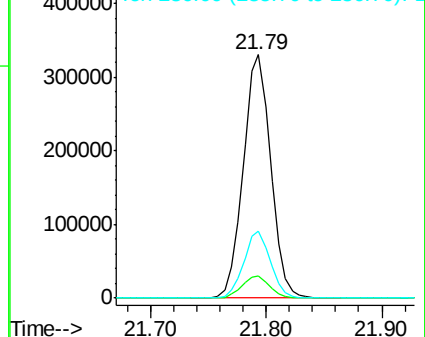
236 27.3 20.9 31.3



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: 68.955 ng

RT: 20.11 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG030528.D

Acq: 28 Oct 2017 15:22

Instrument :

BNA\_G

ClientSampleId :

PB103644TB

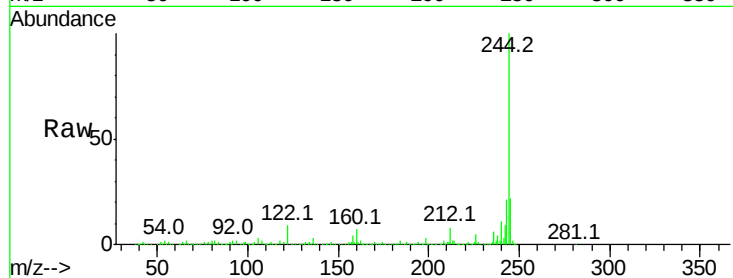
Tot Ion:244 Resp: 1651564

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

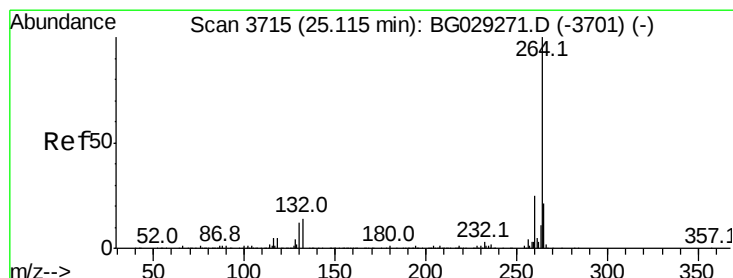
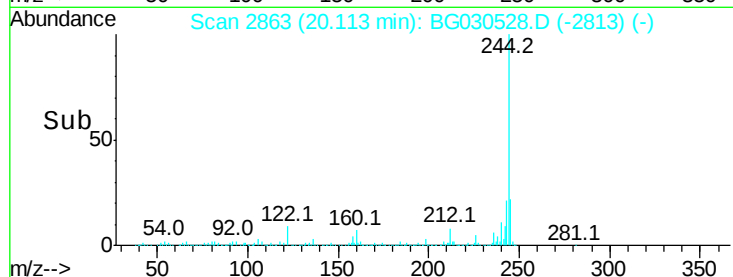
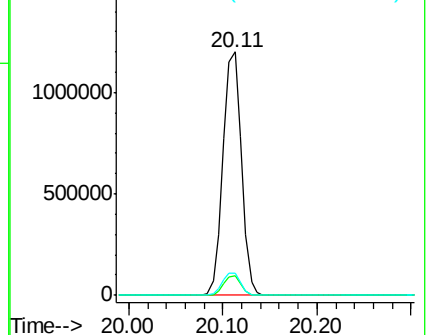
122 9.1 7.0 10.4



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: 20.000 ng

RT: 25.11 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG030528.D

Acq: 28 Oct 2017 15:22

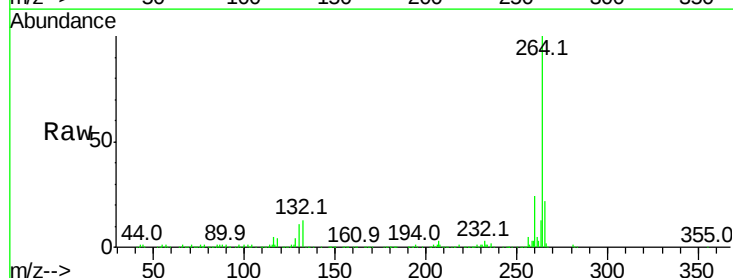
Tgt Ion:264 Resp: 545746

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

265 22.0 17.7 26.5



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

