

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091117\  
 Data File : BG028647.D  
 Acq On : 11 Sep 2017 18:31  
 Operator : SJ/JU  
 Sample : I5167-08  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CPS043065

Quant Time: Sep 12 04:41:34 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG090717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 07 18:39:50 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.34  | 152  | 35960    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.16 | 136  | 141985   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.94 | 164  | 100714   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.69 | 188  | 275136   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.02 | 240  | 324037   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 25.53 | 264  | 313585   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.91  | 112  | 145183   | 67.98  | ng    | 0.00     |
| 7) Phenol-d6                | 7.49  | 99   | 116663   | 37.66  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.50  | 82   | 302128   | 97.71  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.44 | 330  | 261305   | 170.70 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.56 | 172  | 763335   | 99.15  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.28 | 244  | 1429126  | 95.02  | ng    | 0.00     |

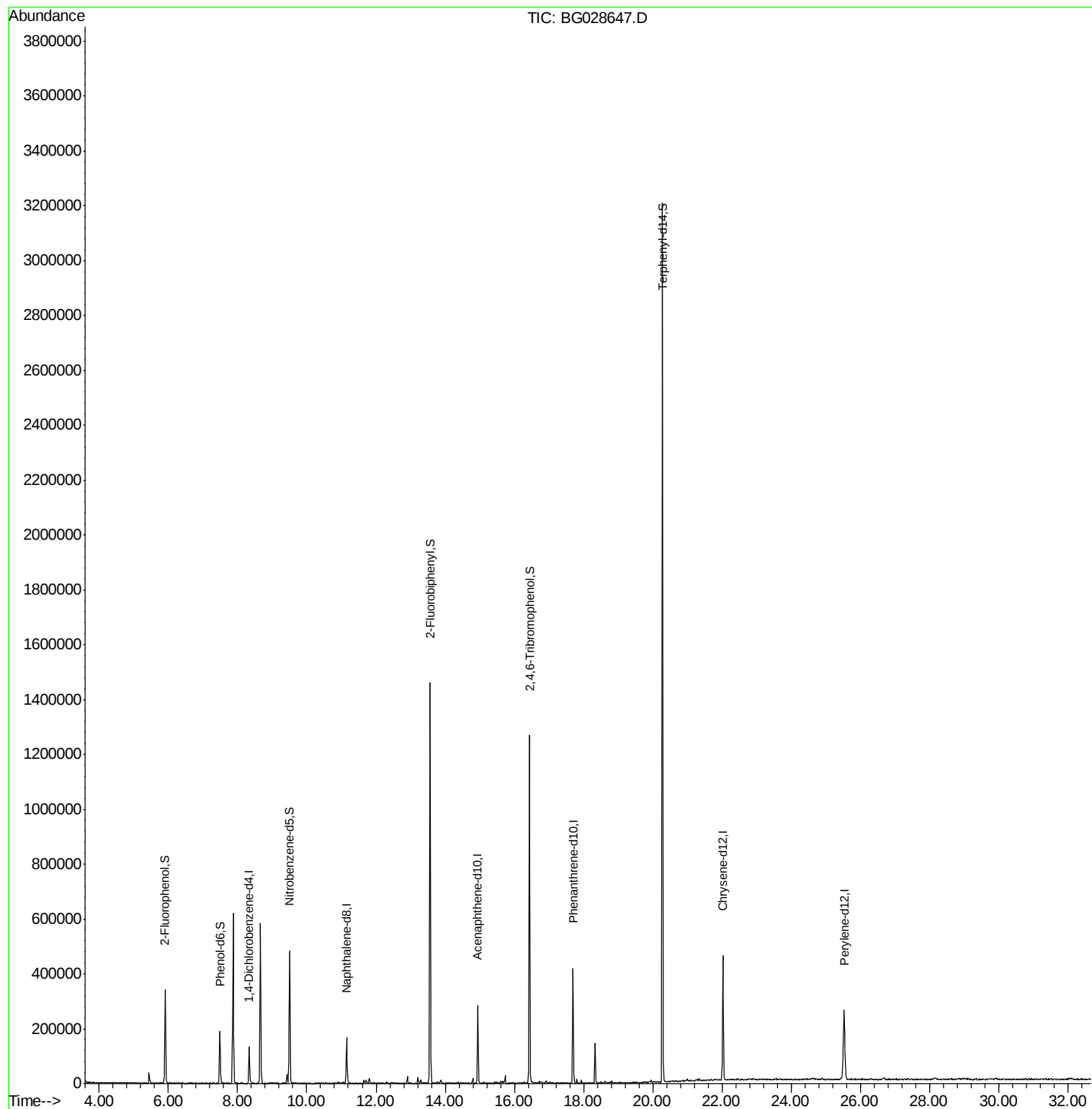
Target Compounds Qvalue

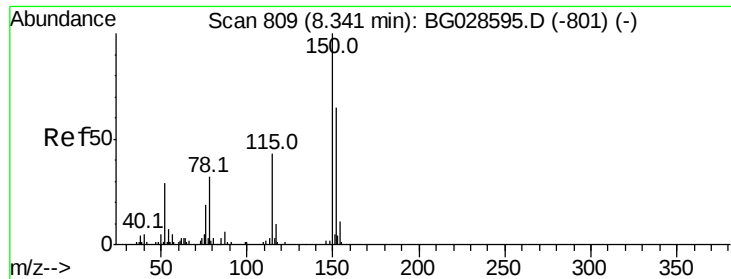
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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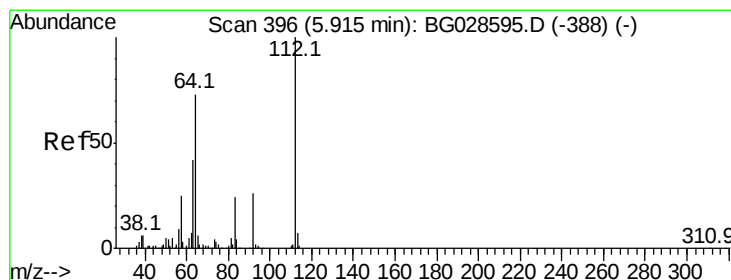
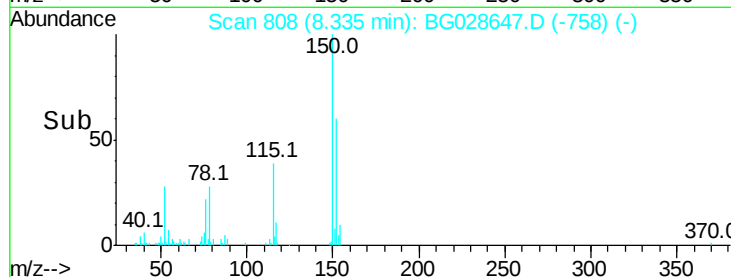
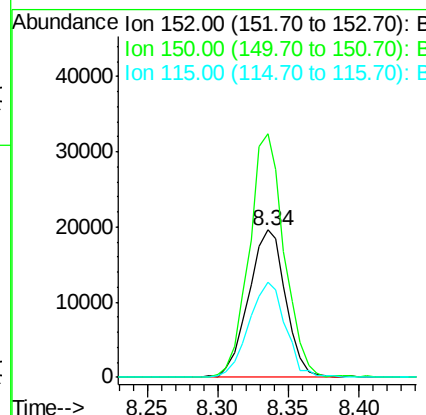
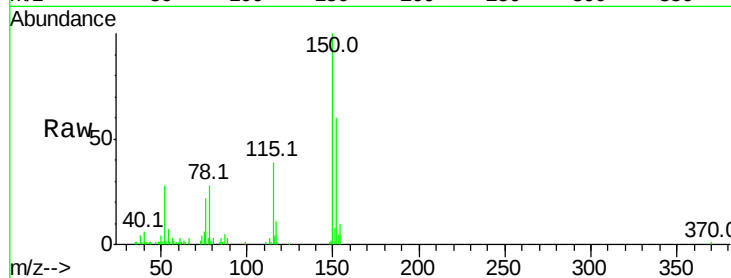


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.34 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BG028647.D  
Acq: 11 Sep 2017 18:31

Instrument :  
BNA\_G  
ClientSampleId :  
CPS043065

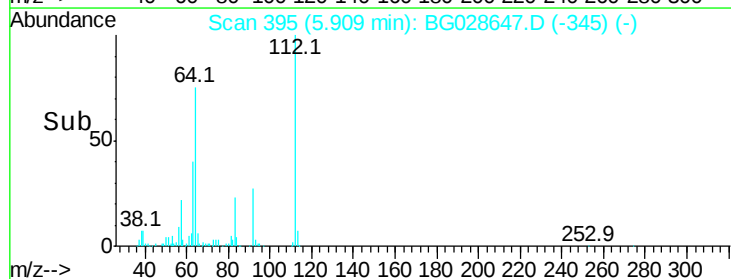
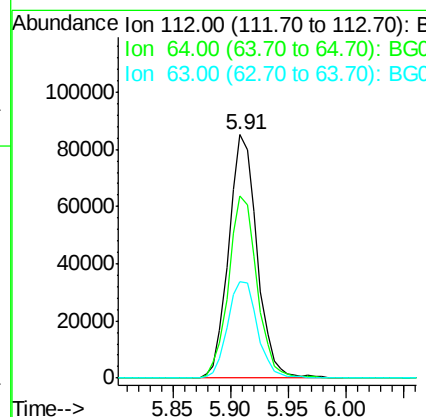
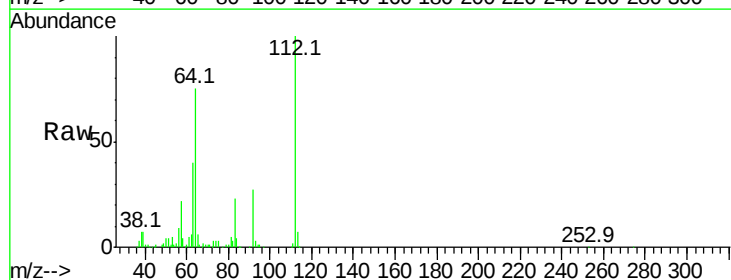
Tot Ion:152 Resp: 35960  
Ion Ratio Lower Upper  
152 100  
150 165.5 114.0 171.0  
115 65.0 48.1 72.1

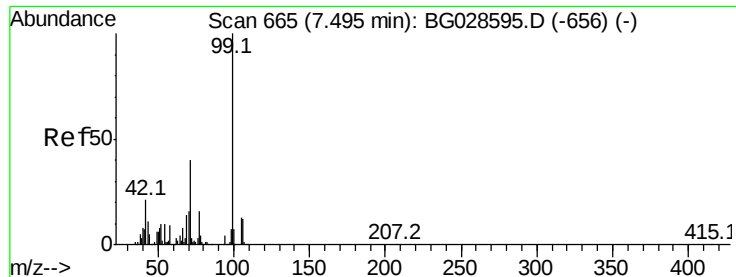


#5

2-Fluorophenol  
Concen: 67.978 ng  
RT: 5.91 min Scan# 395  
Delta R.T. -0.01 min  
Lab File: BG028647.D  
Acq: 11 Sep 2017 18:31

Tgt Ion:112 Resp: 145183  
Ion Ratio Lower Upper  
112 100  
64 74.8 61.8 92.6  
63 39.7 37.2 55.8





#7

Phenol-d6

Concen: 37.660 ng

RT: 7.49 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG028647.D

Acq: 11 Sep 2017 18:31

Instrument :

BNA\_G

ClientSampleId :

CPS043065

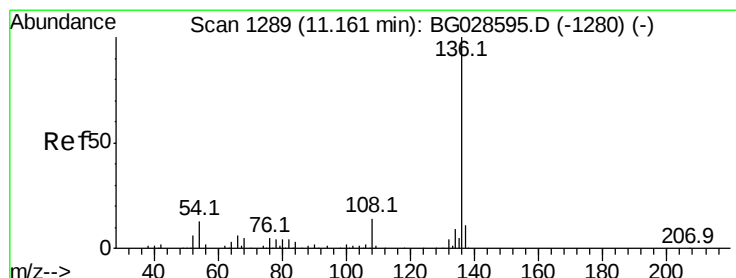
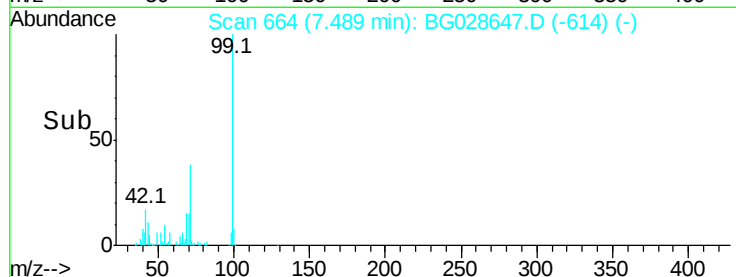
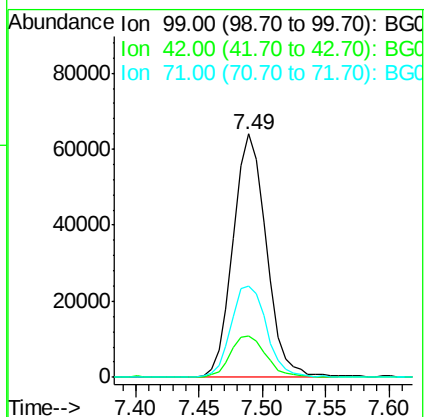
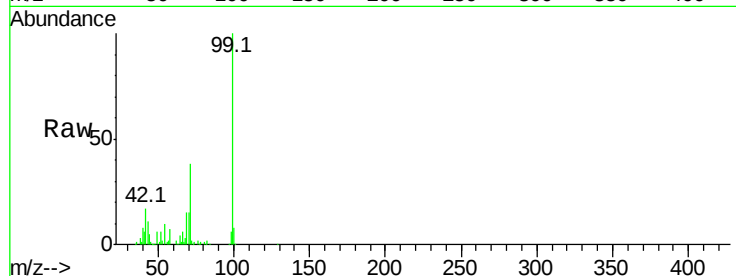
Tot Ion: 99 Resp: 116663

Ion Ratio Lower Upper

99 100

42 17.0 20.5 30.7#

71 37.7 37.6 56.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.16 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BG028647.D

Acq: 11 Sep 2017 18:31

Tgt Ion: 136 Resp: 141985

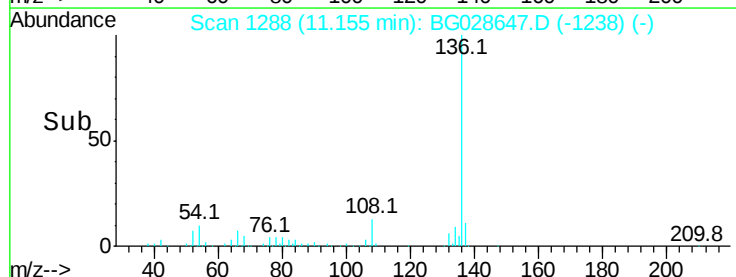
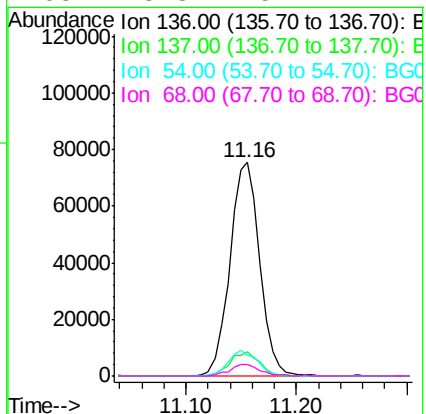
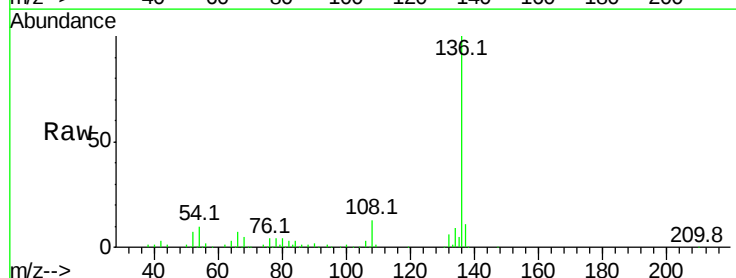
Ion Ratio Lower Upper

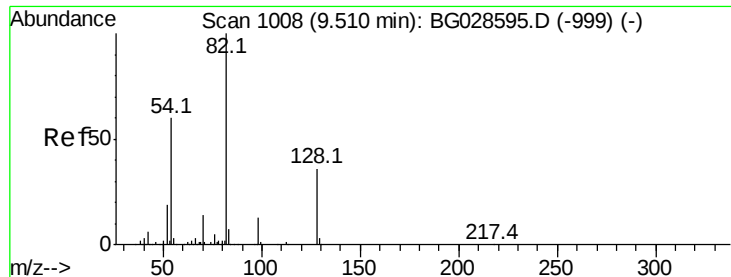
136 100

137 11.1 8.9 13.3

54 9.8 9.3 13.9

68 5.3 5.1 7.7





#23

Nitrobenzene-d5

Concen: 97.708 ng

RT: 9.50 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BG028647.D

Acq: 11 Sep 2017 18:31

Instrument :

BNA\_G

ClientSampleId :

CPS043065

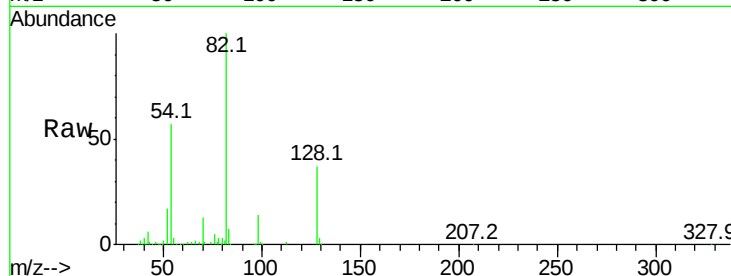
Tot Ion: 82 Resp: 302128

Ion Ratio Lower Upper

82 100

128 37.3 26.4 39.6

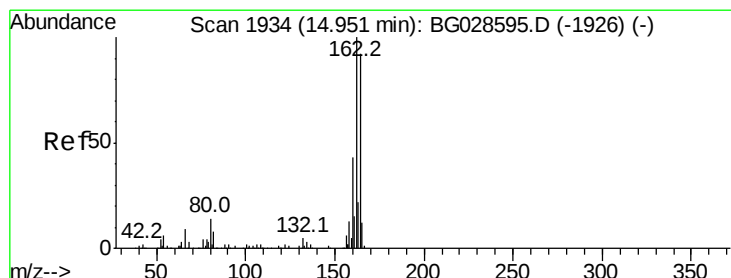
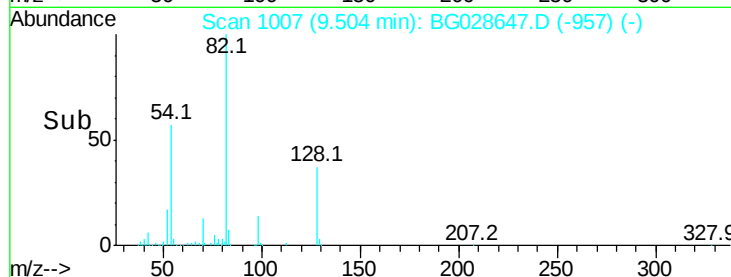
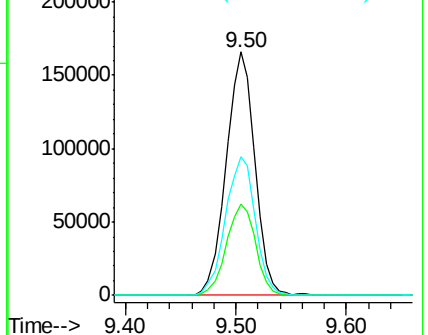
54 56.9 49.4 74.2



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: 20.000 ng

RT: 14.94 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG028647.D

Acq: 11 Sep 2017 18:31

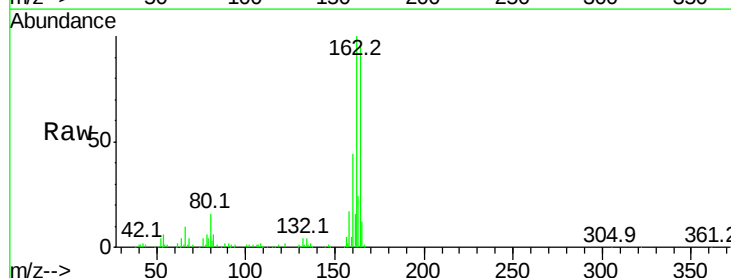
Tgt Ion: 164 Resp: 100714

Ion Ratio Lower Upper

164 100

162 104.4 85.1 127.7

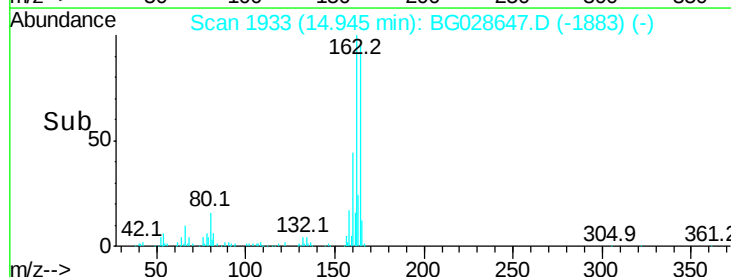
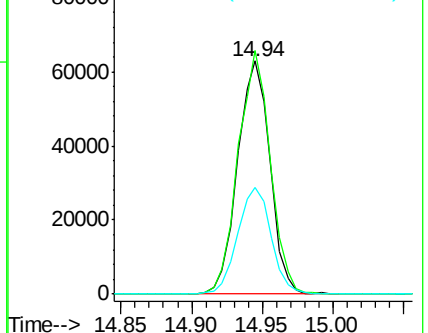
160 45.8 34.7 52.1

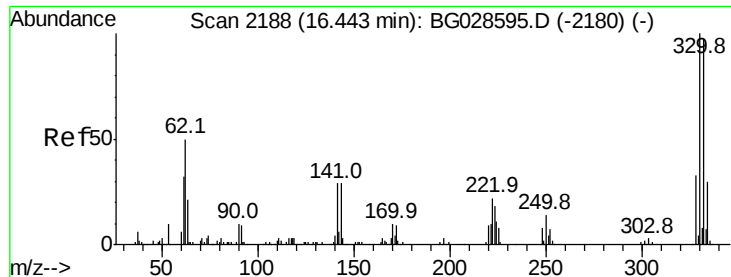


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

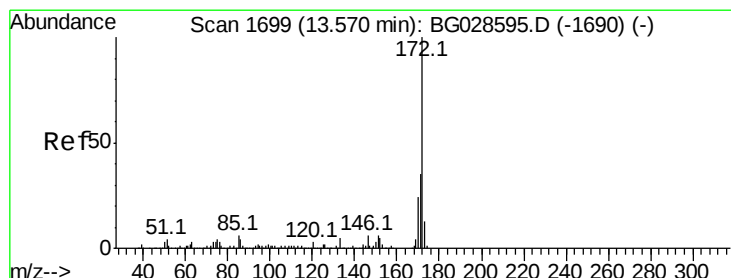
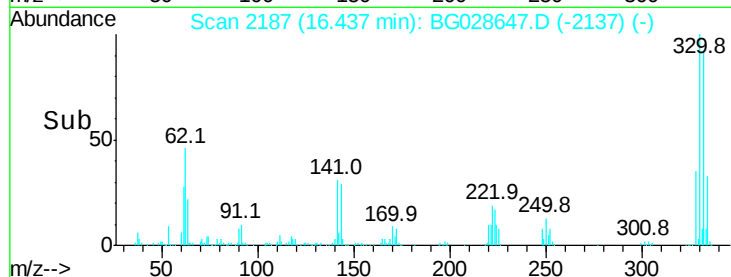
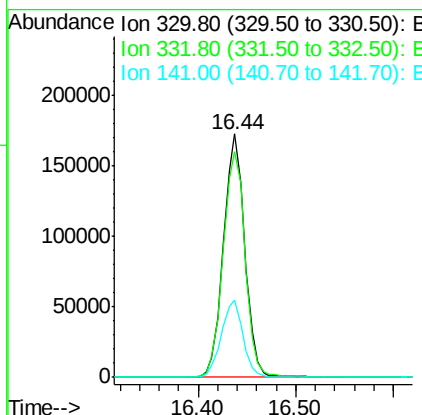
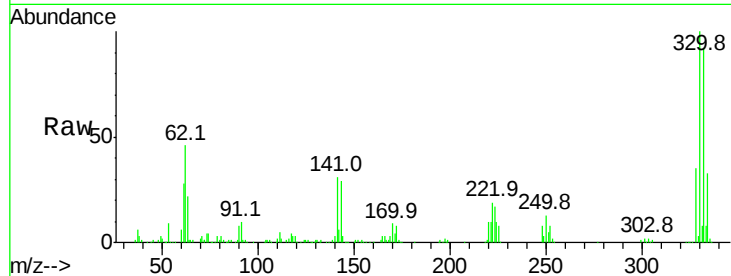




#41  
 2,4,6-Tribromophenol  
 Concen: 170.704 ng  
 RT: 16.44 min Scan# 2187  
 Delta R.T. -0.01 min  
 Lab File: BG028647.D  
 Acq: 11 Sep 2017 18:31

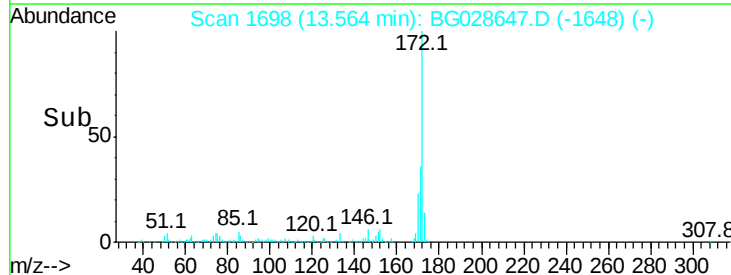
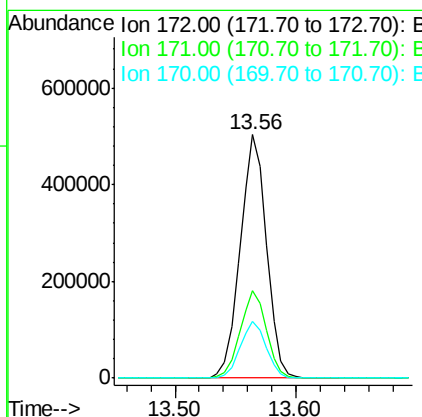
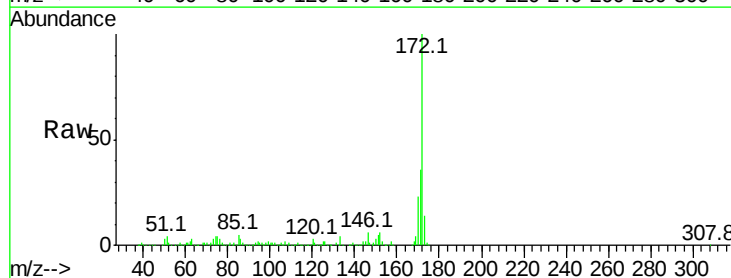
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CPS043065

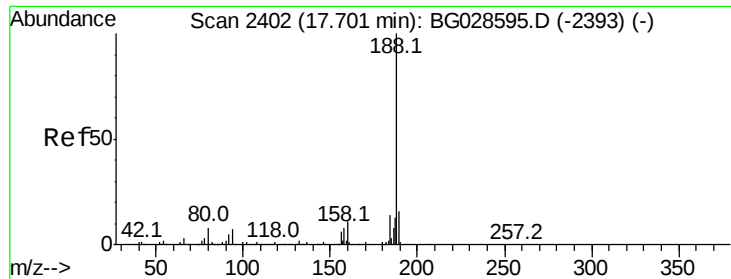
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.3  | 115.9 |
| 141     | 32.3  | 32.1  | 48.1  |



#44  
 2-Fluorobiphenyl  
 Concen: 99.154 ng  
 RT: 13.56 min Scan# 1698  
 Delta R.T. -0.01 min  
 Lab File: BG028647.D  
 Acq: 11 Sep 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 32.2  | 48.2  |
| 170     | 23.1  | 21.8  | 32.6  |

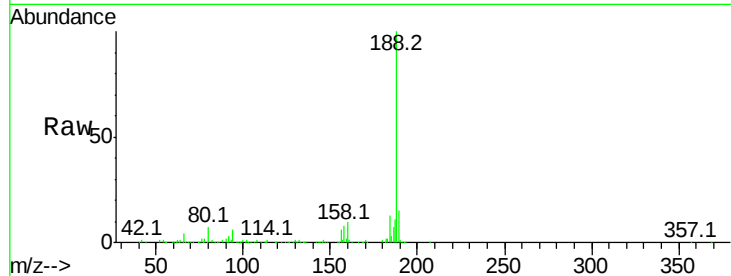




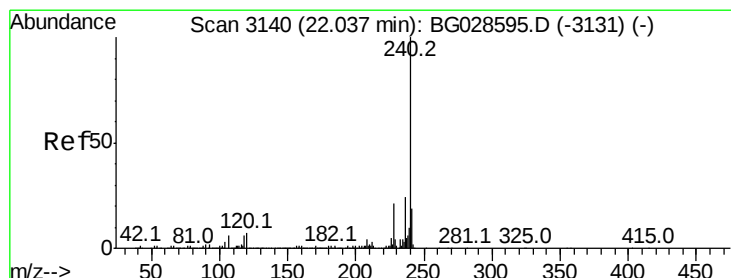
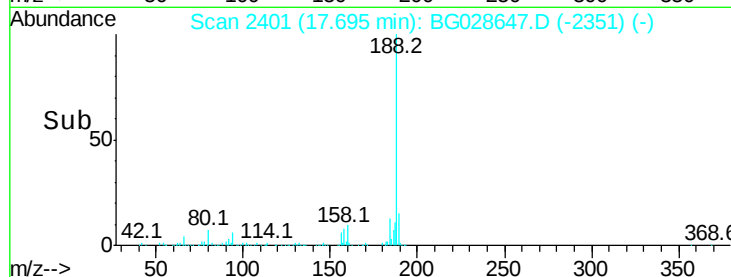
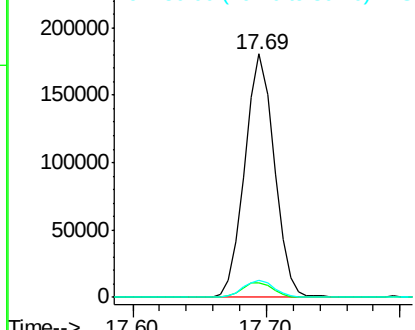
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.69 min Scan# 2401  
Delta R.T. -0.01 min  
Lab File: BG028647.D  
Acq: 11 Sep 2017 18:31

Instrument :  
BNA\_G  
ClientSampleId :  
CPS043065

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.0   | 5.8   | 8.8   |
| 80      | 6.8   | 7.5   | 11.3# |

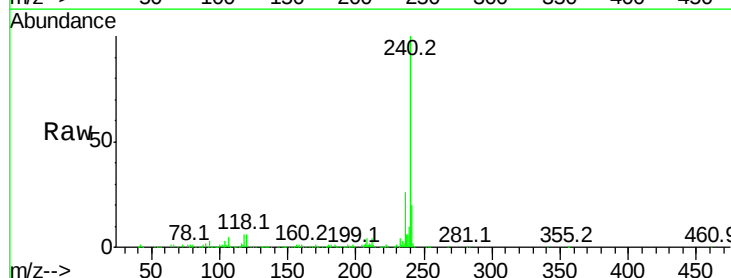


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

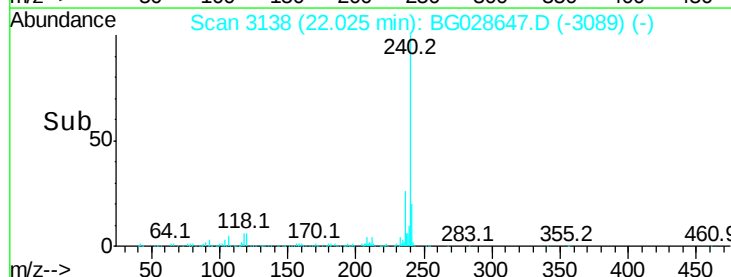
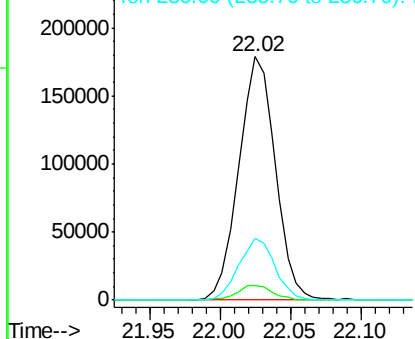


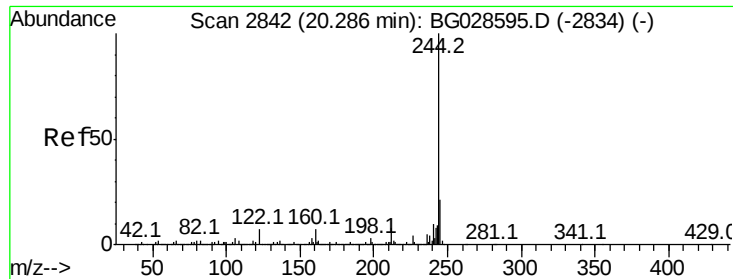
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.02 min Scan# 3138  
Delta R.T. -0.01 min  
Lab File: BG028647.D  
Acq: 11 Sep 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.2   | 5.7   | 8.5   |
| 236     | 25.5  | 22.2  | 33.4  |



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: 95.022 ng

RT: 20.28 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG028647.D

Acq: 11 Sep 2017 18:31

Instrument :

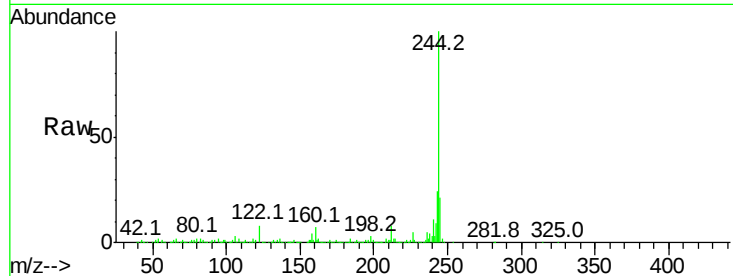
BNA\_G

ClientSampleId :

CPS043065

Tot Ion:244 Resp: 1429126

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.1   | 10.0  | 15.0# |
| 122 | 7.9   | 8.6   | 12.8# |

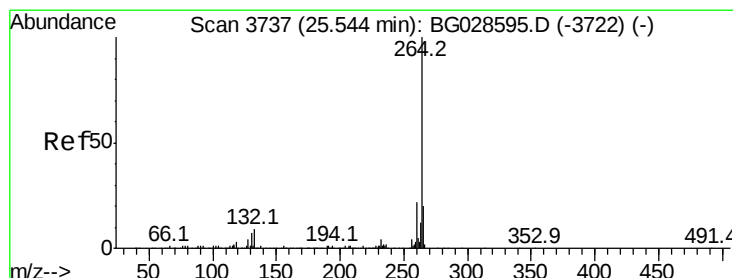
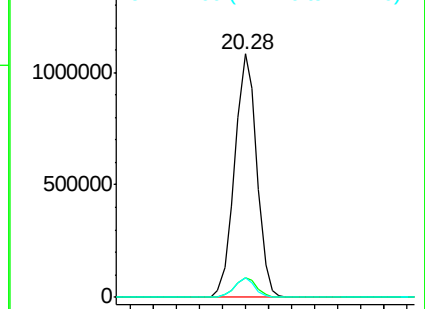
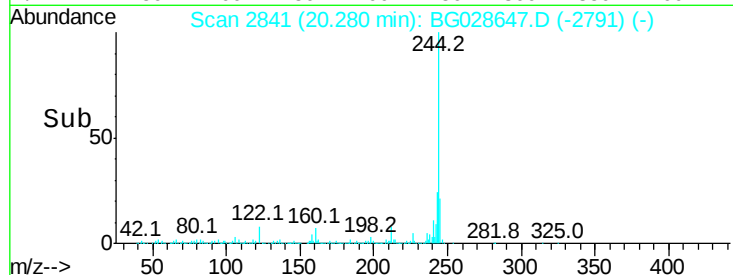


Abundance

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: 25.53 min Scan# 3735

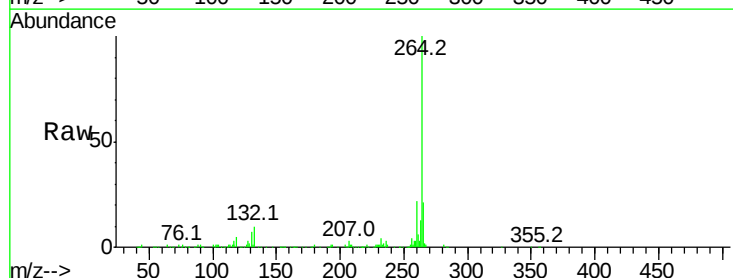
Delta R.T. -0.01 min

Lab File: BG028647.D

Acq: 11 Sep 2017 18:31

Tgt Ion:264 Resp: 313585

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.4  | 21.8  | 32.8  |
| 265 | 21.3  | 18.2  | 27.4  |



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

