

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091817\  
 Data File : BG028821.D  
 Acq On : 19 Sep 2017 8:20  
 Operator : SJ/JU  
 Sample : I5265-19  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-30D68

Quant Time: Sep 19 13:52:43 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

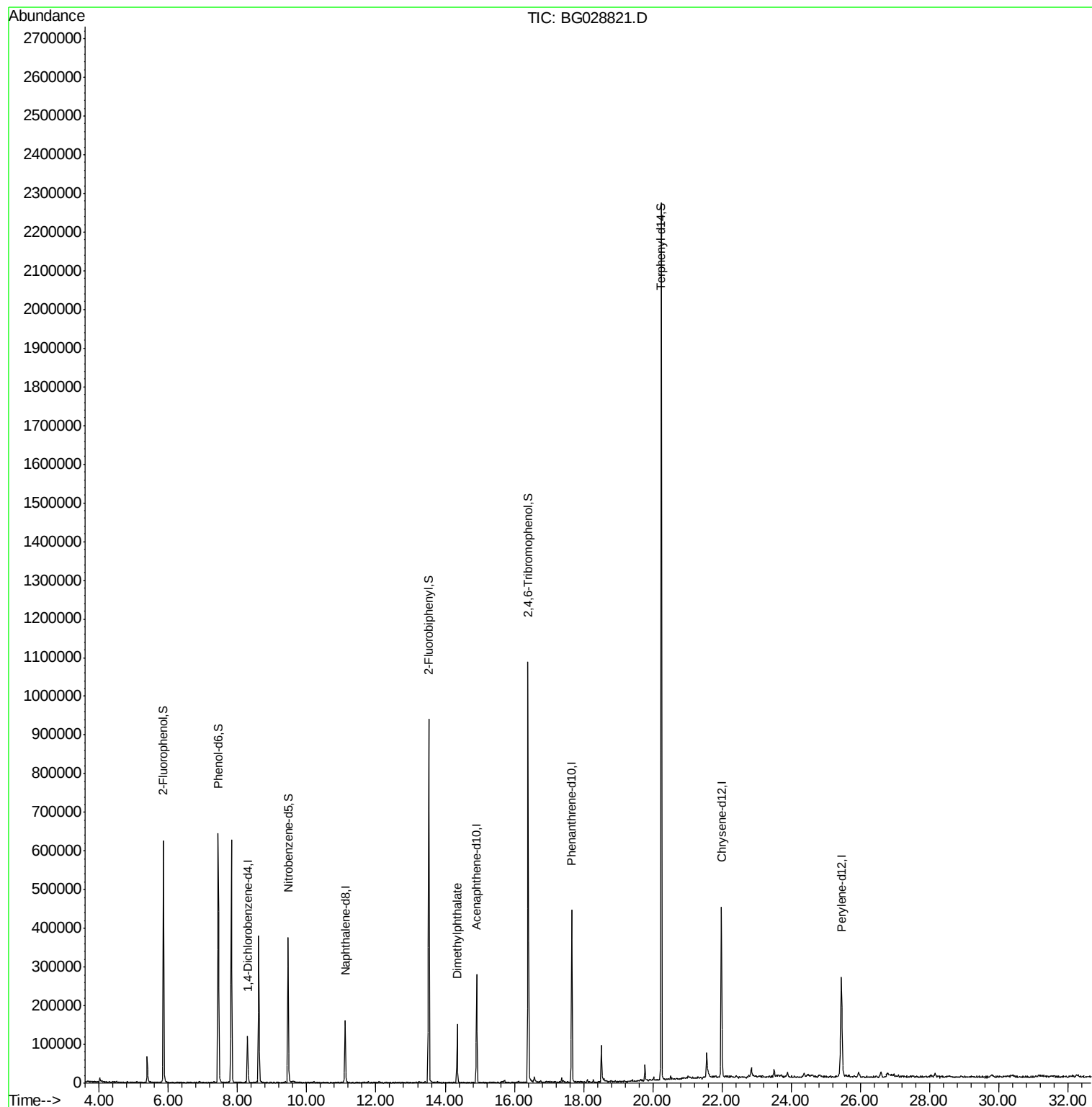
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.29  | 152  | 32381    | 20.00  | ng    | -0.04     |
| 21) Naphthalene-d8          | 11.11 | 136  | 139366   | 20.00  | ng    | -0.04     |
| 38) Acenaphthene-d10        | 14.91 | 164  | 102609   | 20.00  | ng    | -0.04     |
| 63) Phenanthrene-d10        | 17.66 | 188  | 289960   | 20.00  | ng    | -0.04     |
| 75) Chrysene-d12            | 21.98 | 240  | 309895   | 20.00  | ng    | -0.05     |
| 86) Perylene-d12            | 25.45 | 264  | 329192   | 20.00  | ng    | -0.08     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.86  | 112  | 268692   | 136.92 | ng    | -0.05     |
| 7) Phenol-d6                | 7.44  | 99   | 384927   | 130.28 | ng    | -0.05     |
| 23) Nitrobenzene-d5         | 9.46  | 82   | 235079   | 80.69  | ng    | -0.05     |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 245579   | 144.71 | ng    | -0.04     |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 534306   | 69.43  | ng    | -0.04     |
| 78) Terphenyl-d14           | 20.24 | 244  | 1109305  | 76.34  | ng    | -0.04     |
| Target Compounds            |       |      |          |        |       |           |
| 49) Dimethylphthalate       | 14.35 | 163  | 99723    | 11.590 | ng    | Qvalue 98 |

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

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091817\  
Data File : BG028821.D  
Acq On : 19 Sep 2017 8:20  
Operator : SJ/JU  
Sample : I5265-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-30D68

Quant Time: Sep 19 13:52:43 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 12 16:57:11 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.29 min Scan# 800

Delta R.T. -0.04 min

Lab File: BG028821.D

Acq: 19 Sep 2017 8:20

Instrument :

BNA\_G

ClientSampleId :

TP-30D68

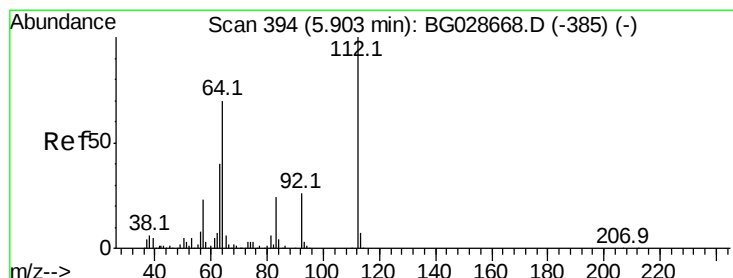
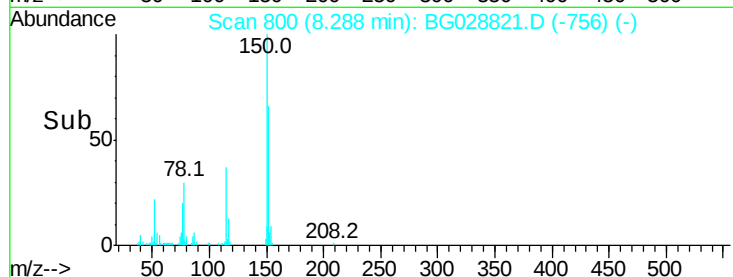
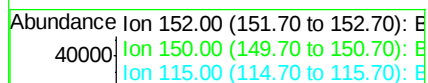
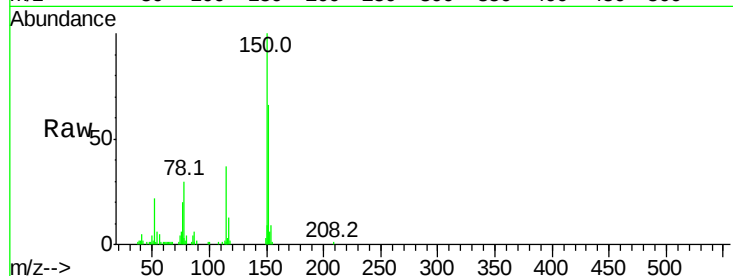
Tot Ion:152 Resp: 32381

Ion Ratio Lower Upper

152 100

150 151.4 114.0 171.0

115 55.5 48.1 72.1



#5

2-Fluorophenol

Concen: 136.918 ng

RT: 5.86 min Scan# 386

Delta R.T. -0.05 min

Lab File: BG028821.D

Acq: 19 Sep 2017 8:20

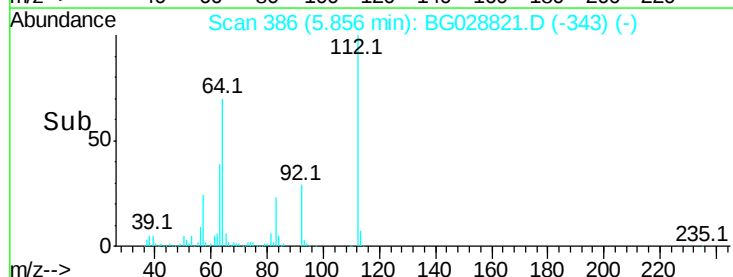
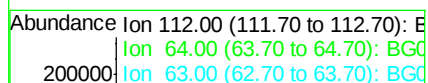
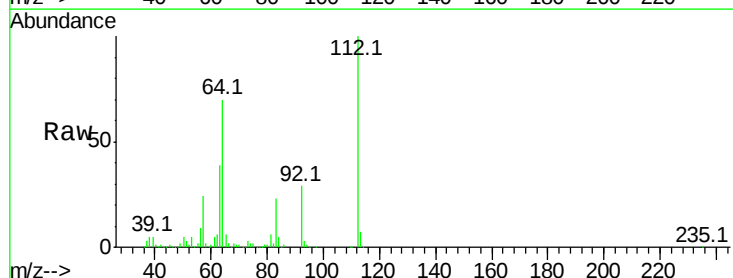
Tgt Ion:112 Resp: 268692

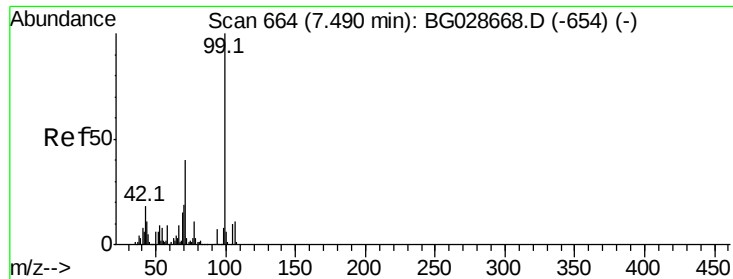
Ion Ratio Lower Upper

112 100

64 69.9 61.8 92.6

63 39.3 37.2 55.8





#7

Phenol-d6

Concen: 130.277 ng

RT: 7.44 min Scan# 656

Delta R.T. -0.05 min

Lab File: BG028821.D

Acq: 19 Sep 2017 8:20

Instrument :

BNA\_G

ClientSampled :

TP-30D68

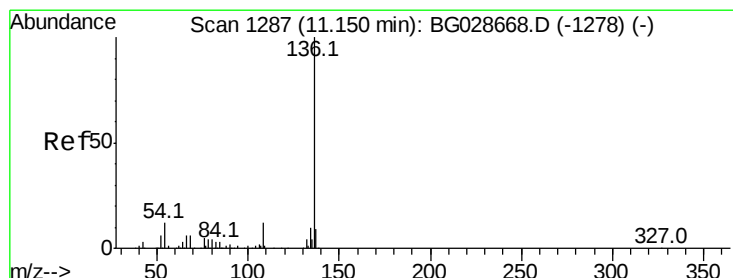
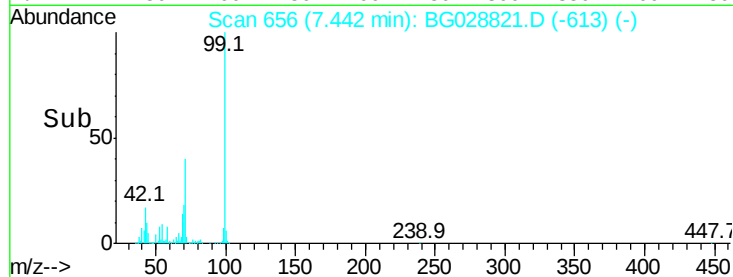
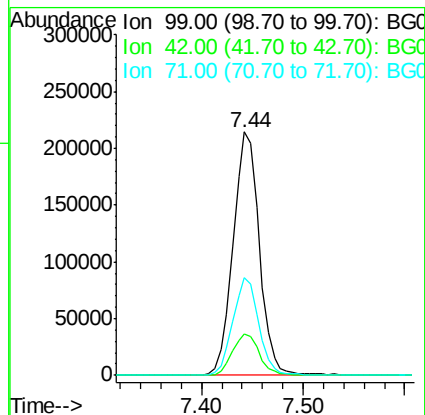
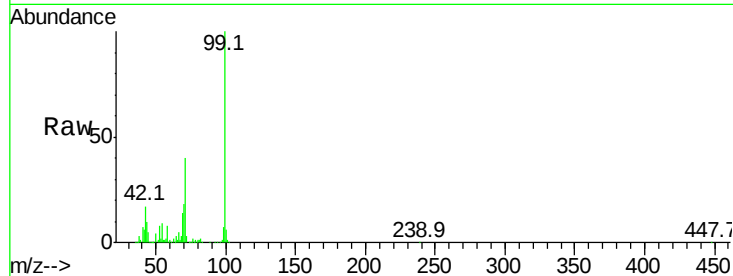
Tot Ion: 99 Resp: 384927

Ion Ratio Lower Upper

99 100

42 17.0 20.5 30.7#

71 40.3 37.6 56.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.11 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BG028821.D

Acq: 19 Sep 2017 8:20

Tgt Ion: 136 Resp: 139366

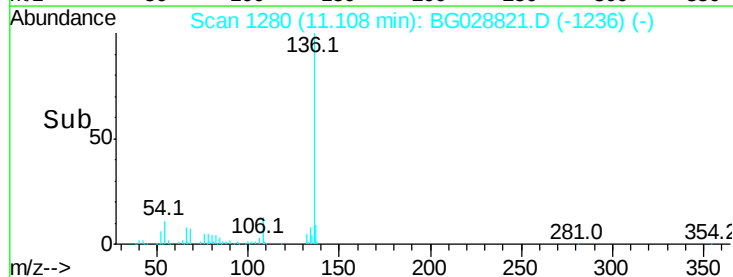
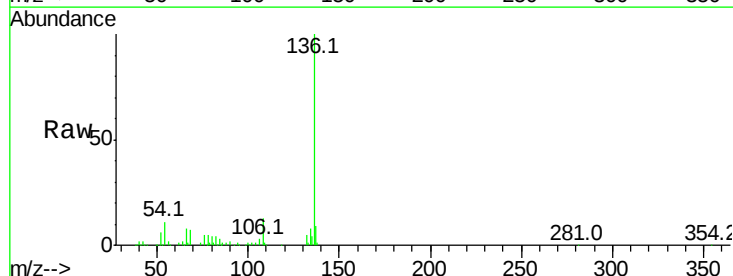
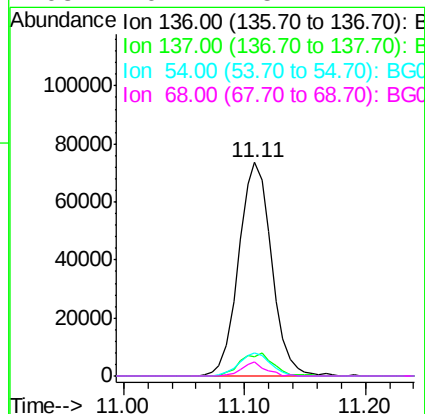
Ion Ratio Lower Upper

136 100

137 9.1 8.9 13.3

54 10.6 9.3 13.9

68 6.7 5.1 7.7





#23

Nitrobenzene-d5

Concen: 80.691 ng

RT: 9.46 min Scan# 999

Delta R.T. -0.05 min

Lab File: BG028821.D

Acq: 19 Sep 2017 8:20

Instrument :

BNA\_G

ClientSampleId :

TP-30D68

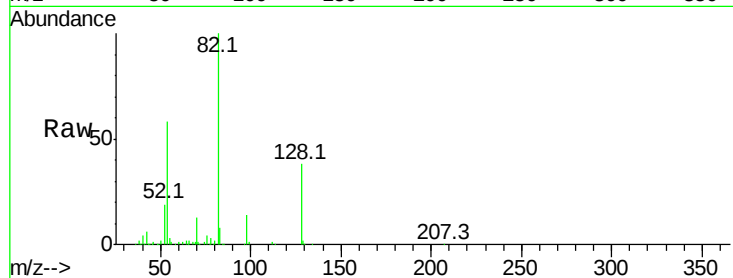
Tot Ion: 82 Resp: 235079

Ion Ratio Lower Upper

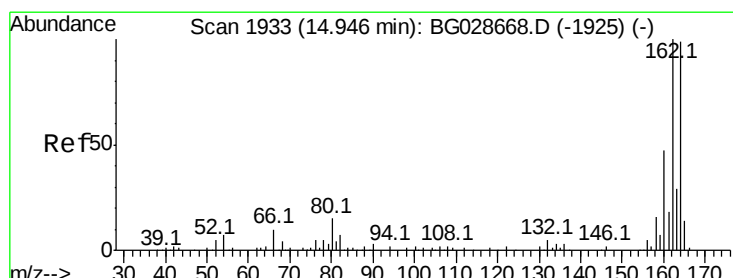
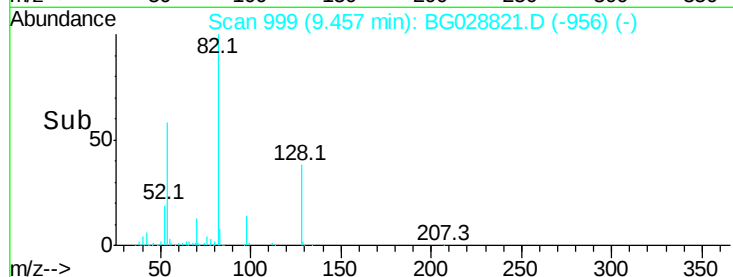
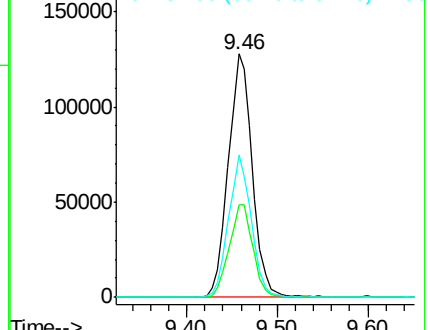
82 100

128 38.3 26.4 39.6

54 58.3 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: 14.91 min Scan# 1927

Delta R.T. -0.04 min

Lab File: BG028821.D

Acq: 19 Sep 2017 8:20

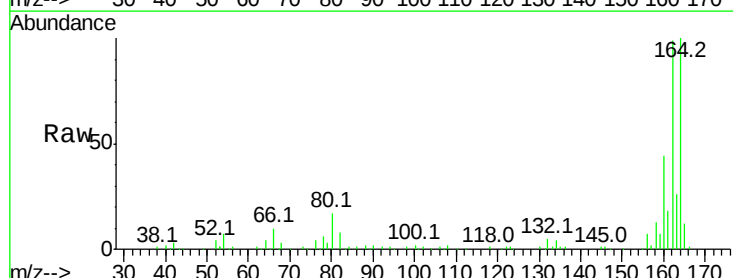
Tgt Ion: 164 Resp: 102609

Ion Ratio Lower Upper

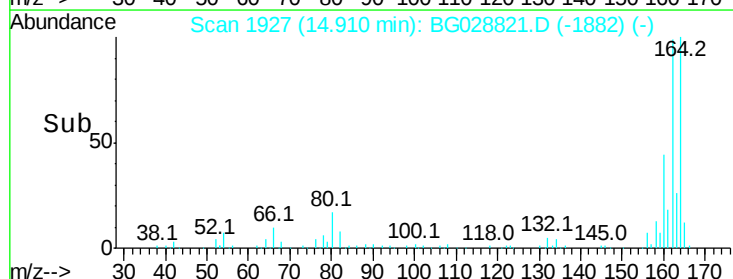
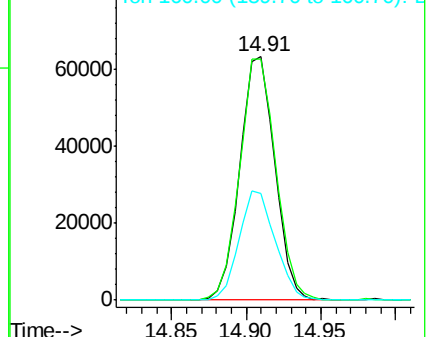
164 100

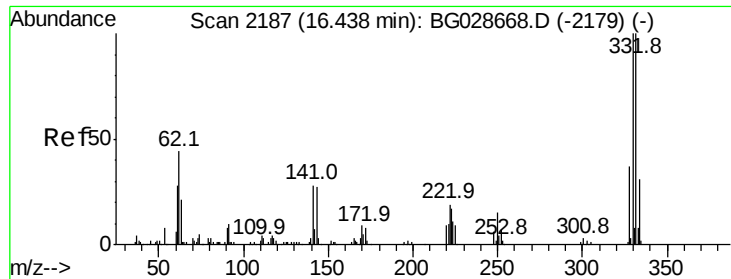
162 99.2 85.1 127.7

160 43.7 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

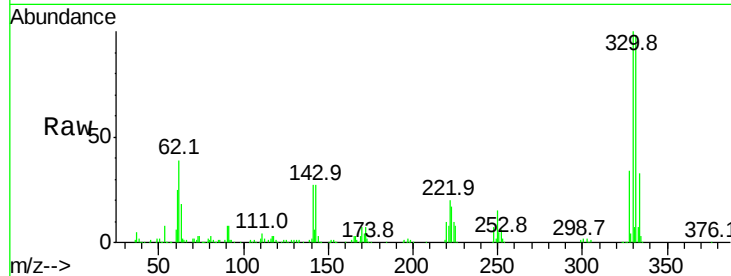




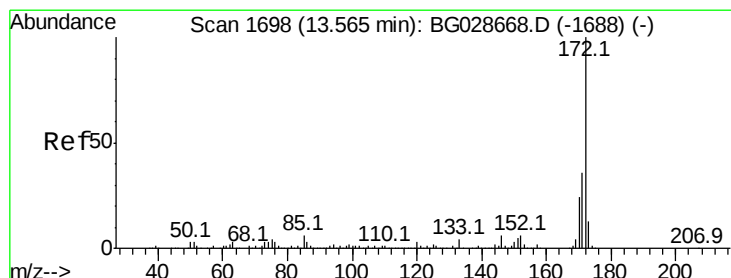
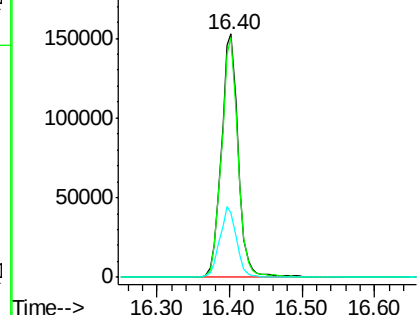
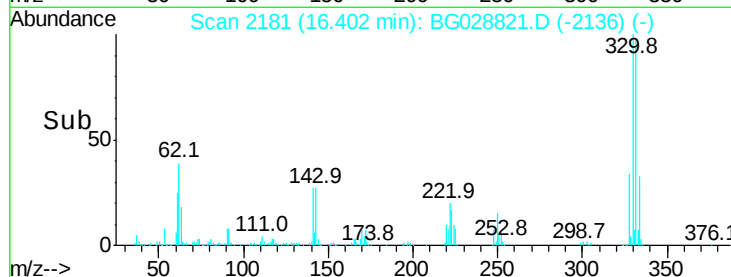
#41  
2,4,6-Tribromophenol  
Concen: 144.706 ng  
RT: 16.40 min Scan# 2181  
Delta R.T. -0.04 min  
Lab File: BG028821.D  
Acq: 19 Sep 2017 8:20

Instrument :  
BNA\_G  
ClientSampleId :  
TP-30D68

Tot Ion:330 Resp: 245579  
Ion Ratio Lower Upper  
330 100  
332 96.0 77.3 115.9  
141 28.8 32.1 48.1#

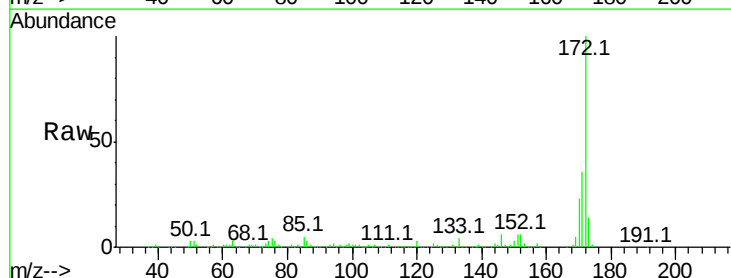


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

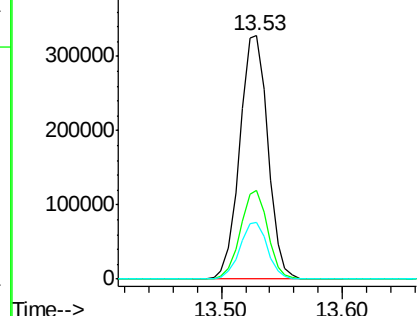
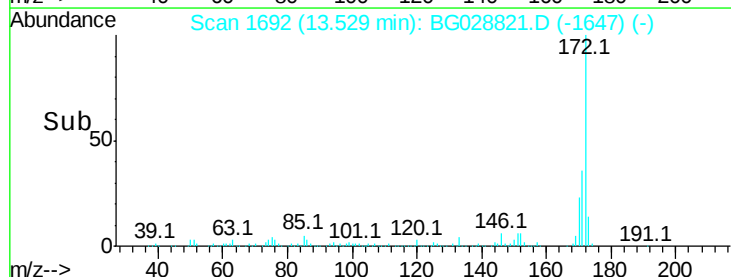


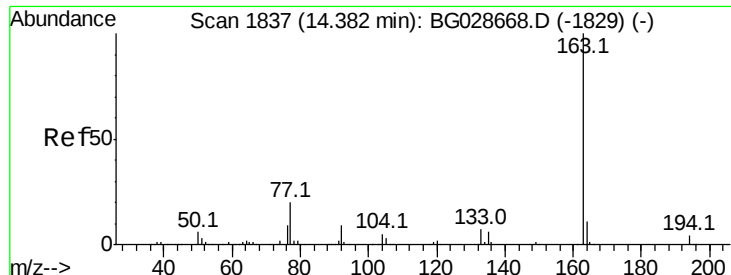
#44  
2-Fluorobiphenyl  
Concen: 69.434 ng  
RT: 13.53 min Scan# 1692  
Delta R.T. -0.04 min  
Lab File: BG028821.D  
Acq: 19 Sep 2017 8:20

Tgt Ion:172 Resp: 534306  
Ion Ratio Lower Upper  
172 100  
171 36.3 32.2 48.2  
170 23.1 21.8 32.6



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





#49

Dimethylphthalate

Concen: 11.590 ng

RT: 14.35 min Scan# 1831

Delta R.T. -0.04 min

Lab File: BG028821.D

Acq: 19 Sep 2017 8:20

Instrument :

BNA\_G

ClientSampled :

TP-30D68

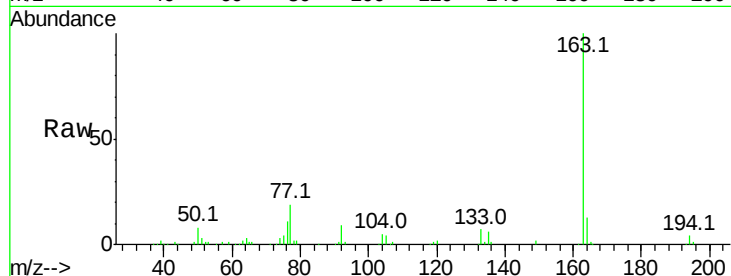
Tot Ion:163 Resp: 99723

Ion Ratio Lower Upper

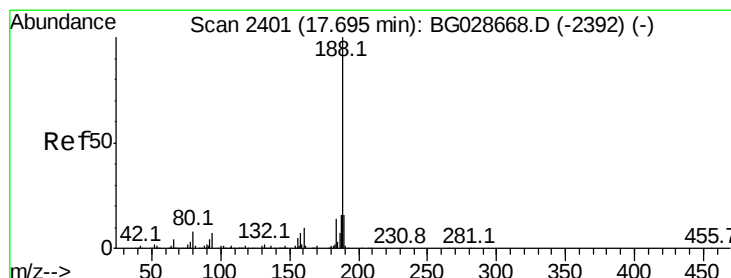
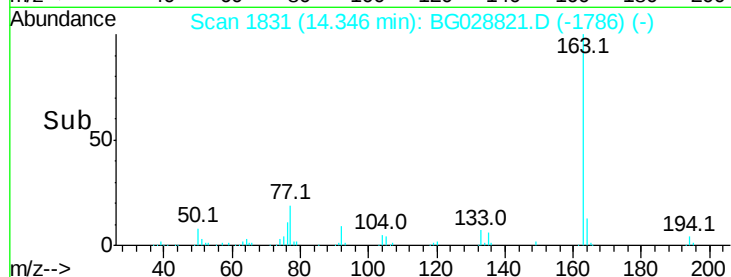
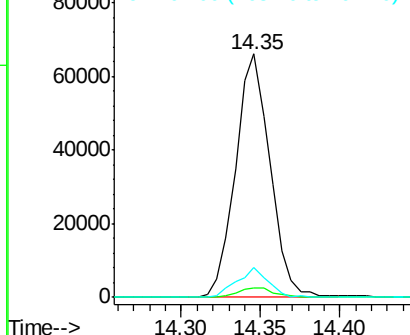
163 100

194 4.1 3.8 5.6

164 12.5 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.66 min Scan# 2395

Delta R.T. -0.04 min

Lab File: BG028821.D

Acq: 19 Sep 2017 8:20

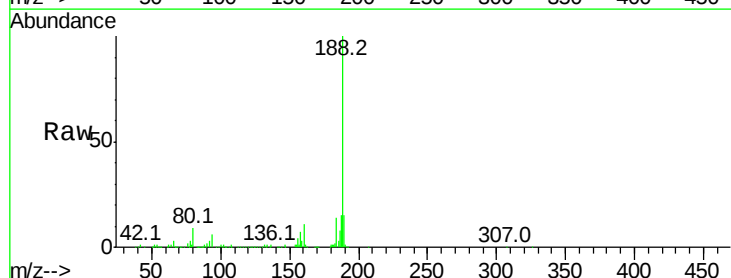
Tgt Ion:188 Resp: 289960

Ion Ratio Lower Upper

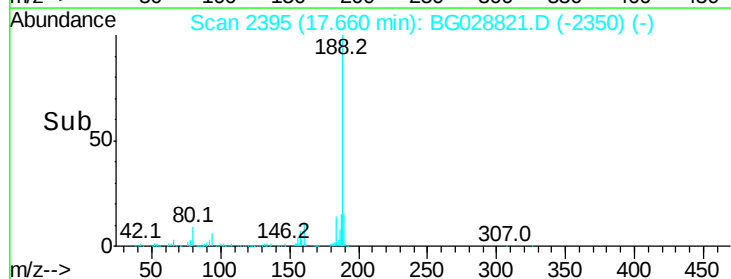
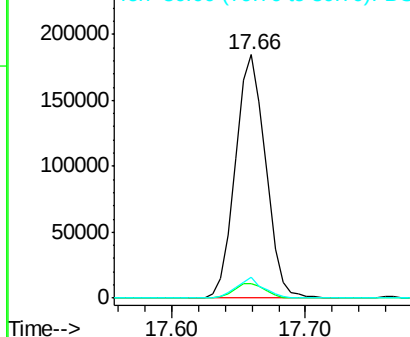
188 100

94 5.9 5.8 8.8

80 8.5 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: 21.98 min Scan# 3131

Delta R.T. -0.05 min

Lab File: BG028821.D

Acq: 19 Sep 2017 8:20

Instrument :

BNA\_G

ClientSampleId :

TP-30D68

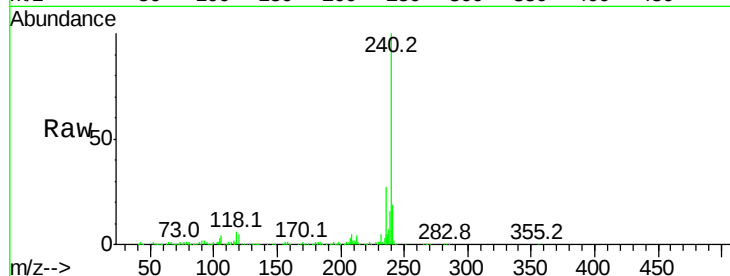
Tot Ion:240 Resp: 309895

Ion Ratio Lower Upper

240 100

120 4.7 5.7 8.5#

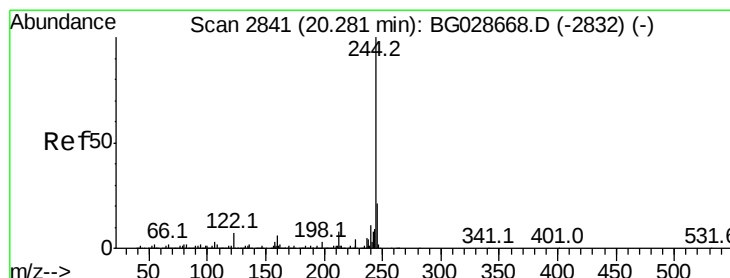
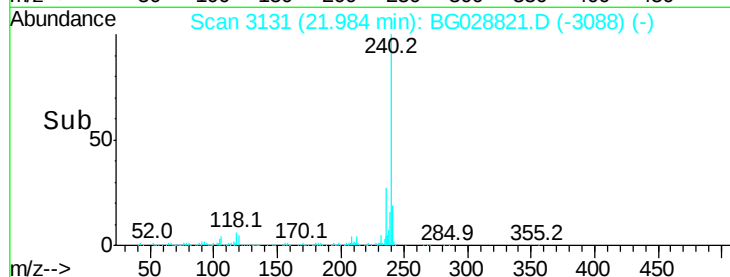
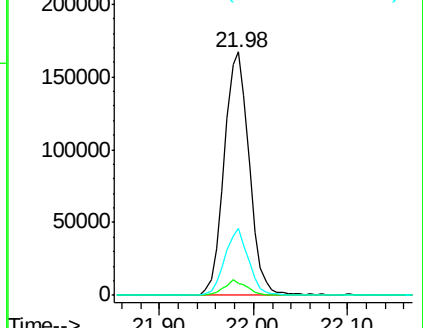
236 27.3 22.2 33.4



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: 76.338 ng

RT: 20.24 min Scan# 2835

Delta R.T. -0.04 min

Lab File: BG028821.D

Acq: 19 Sep 2017 8:20

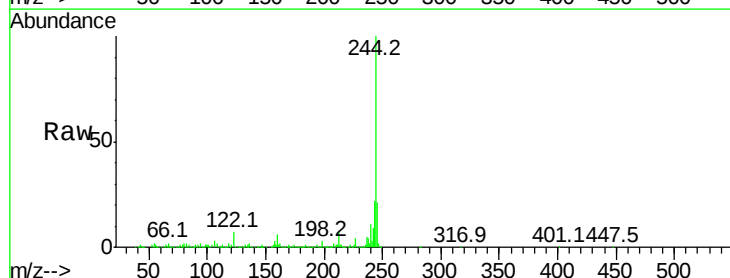
Tgt Ion:244 Resp: 1109305

Ion Ratio Lower Upper

244 100

212 7.5 10.0 15.0#

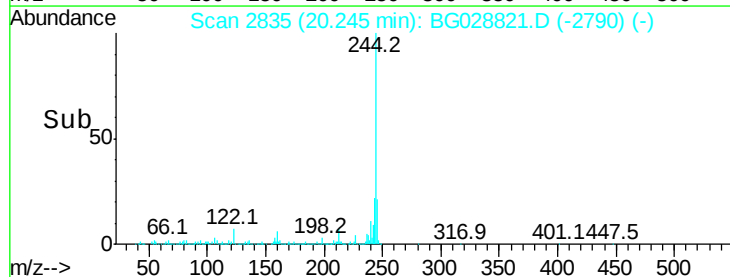
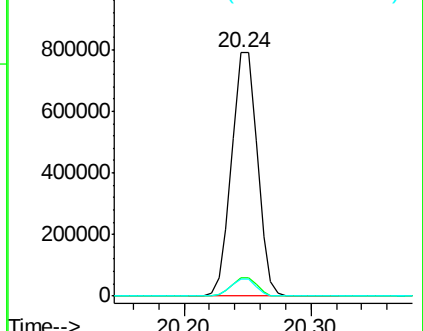
122 6.9 8.6 12.8#

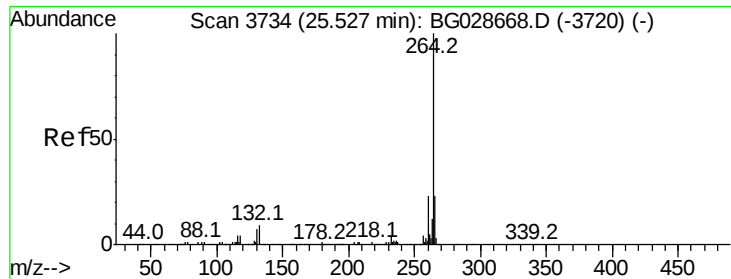


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

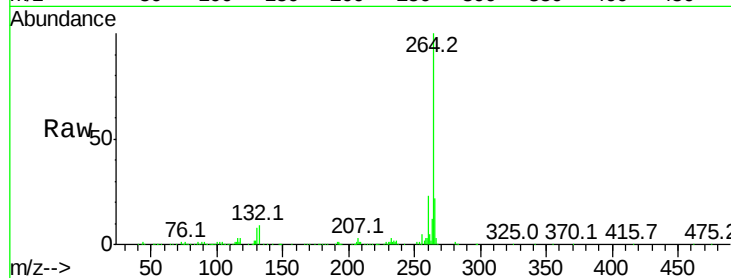




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 25.45 min Scan# 3721  
 Delta R.T. -0.08 min  
 Lab File: BG028821.D  
 Acq: 19 Sep 2017 8:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-30D68

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.8  | 21.8  | 32.8  |
| 265     | 22.3  | 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

