

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092117\  
 Data File : BG028876.D  
 Acq On : 22 Sep 2017 3:02  
 Operator : SJ/JU  
 Sample : I5336-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 22 04:10:26 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   | 8.28  | 152  | 27160    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 11.11 | 136  | 109483   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10        | 14.90 | 164  | 75091    | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10        | 17.66 | 188  | 220375   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12            | 21.98 | 240  | 251770   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 25.45 | 264  | 223404   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.86  | 112  | 213381   | 129.64 | ng    | -0.04    |
| 7) Phenol-d6                | 7.44  | 99   | 269805   | 108.87 | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 9.45  | 82   | 199931   | 87.36  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 184520   | 148.57 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 511372   | 90.81  | ng    | -0.04    |
| 78) Terphenyl-d14           | 20.25 | 244  | 1118872  | 94.77  | ng    | -0.03    |

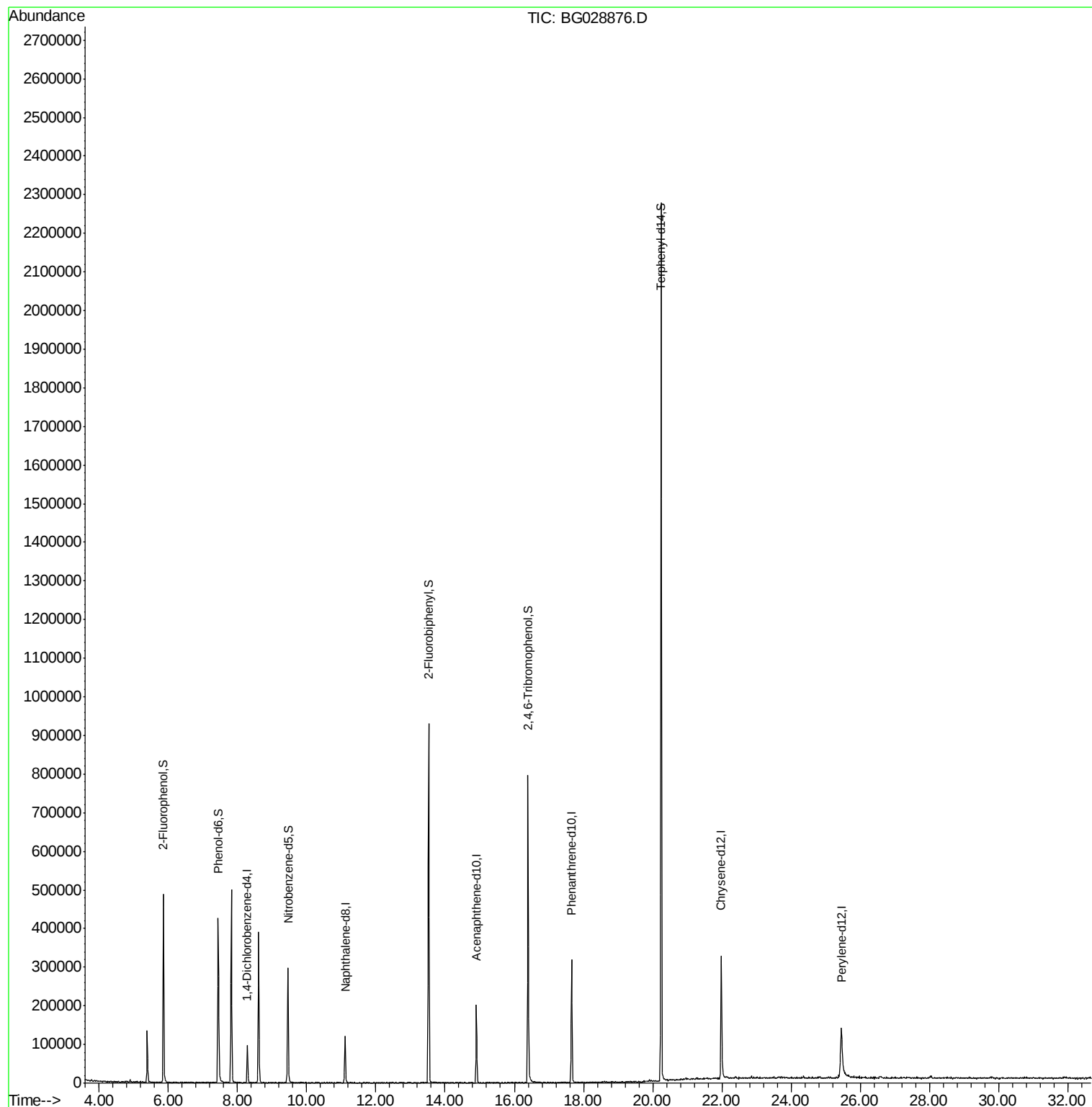
Target Compounds Qvalue

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

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QLast Update : Tue Sep 12 16:57:11 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.28 min Scan# 799

Delta R.T. -0.04 min

Lab File: BG028876.D

Acq: 22 Sep 2017 3:02

Instrument :

BNA\_G

ClientSampleId :

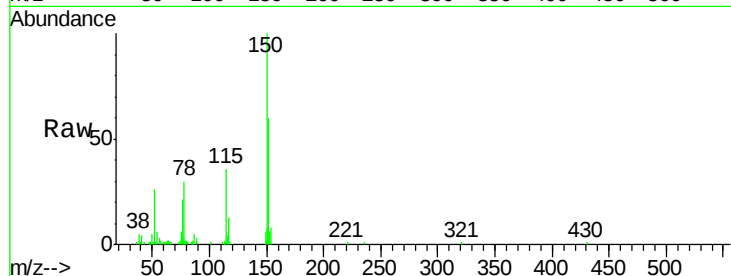
Tot Ion:152 Resp: 27160

Ion Ratio Lower Upper

152 100

150 166.5 114.0 171.0

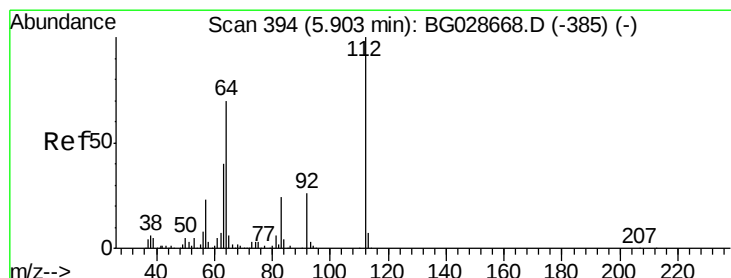
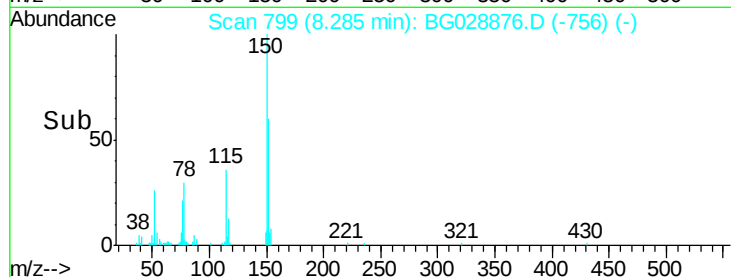
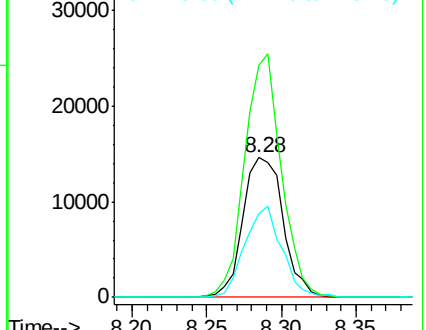
115 59.6 48.1 72.1



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: 129.64 ng

RT: 5.86 min Scan# 386

Delta R.T. -0.04 min

Lab File: BG028876.D

Acq: 22 Sep 2017 3:02

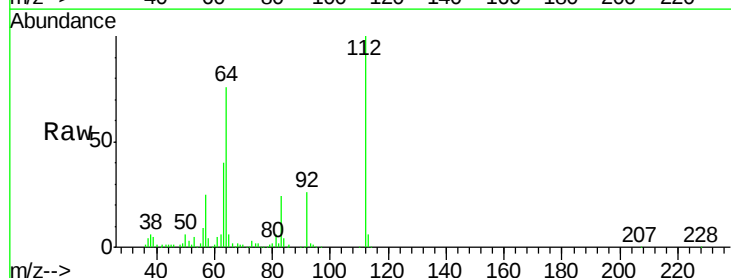
Tgt Ion:112 Resp: 213381

Ion Ratio Lower Upper

112 100

64 75.7 61.8 92.6

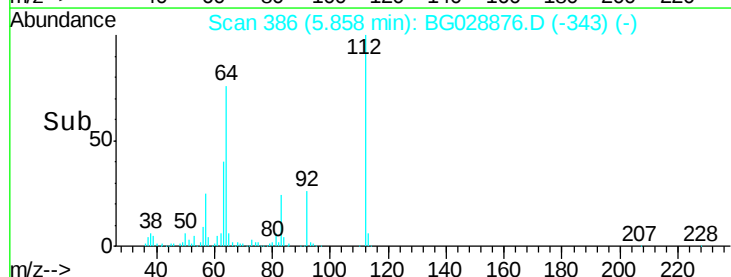
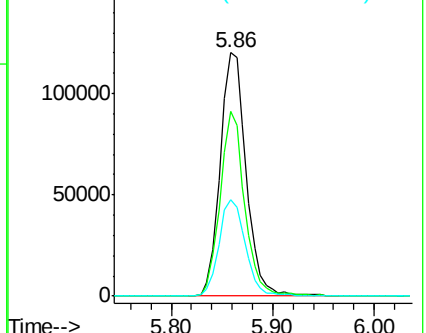
63 39.7 37.2 55.8

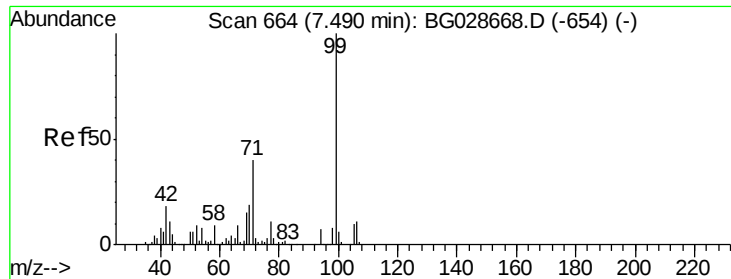


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 108.87 ng

RT: 7.44 min Scan# 656

Delta R.T. -0.04 min

Lab File: BG028876.D

Acq: 22 Sep 2017 3:02

Instrument :

BNA\_G

ClientSampleId :

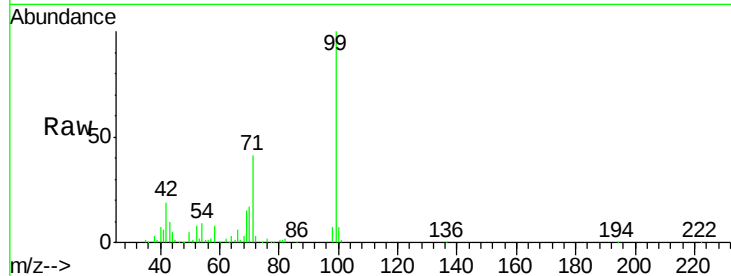
Tot Ion: 99 Resp: 269805

Ion Ratio Lower Upper

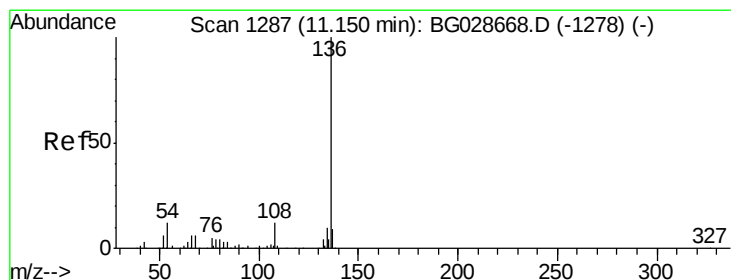
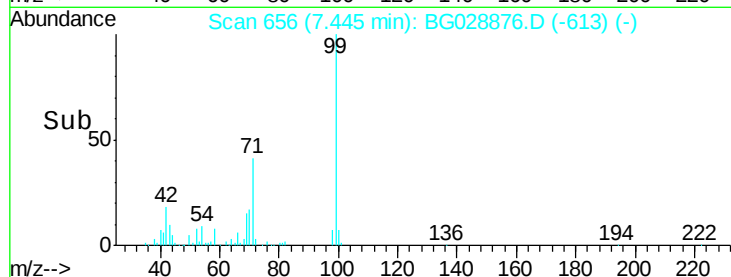
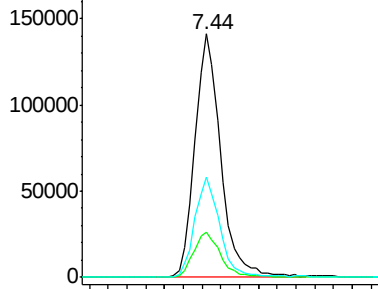
99 100

42 18.6 20.5 30.7#

71 41.4 37.6 56.4



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: 11.11 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BG028876.D

Acq: 22 Sep 2017 3:02

Tgt Ion: 136 Resp: 109483

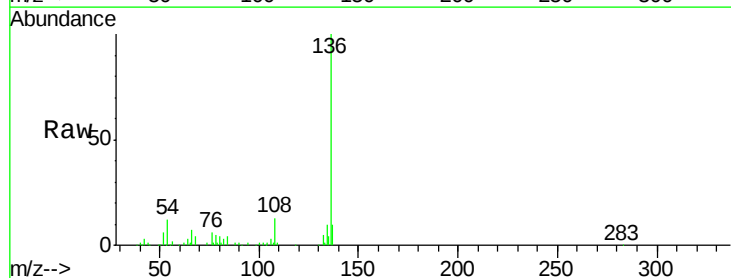
Ion Ratio Lower Upper

136 100

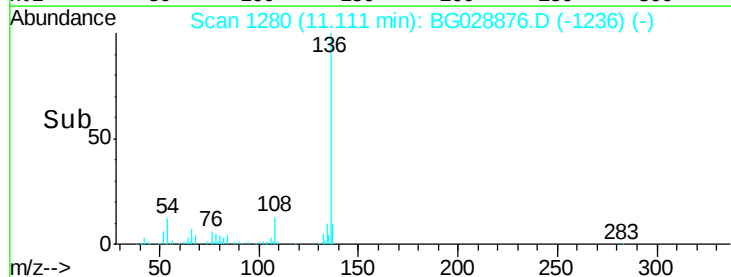
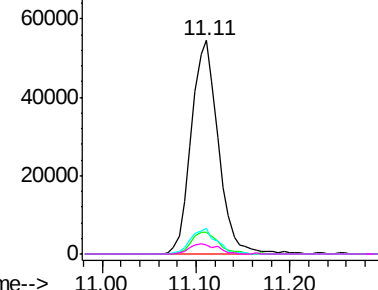
137 10.5 8.9 13.3

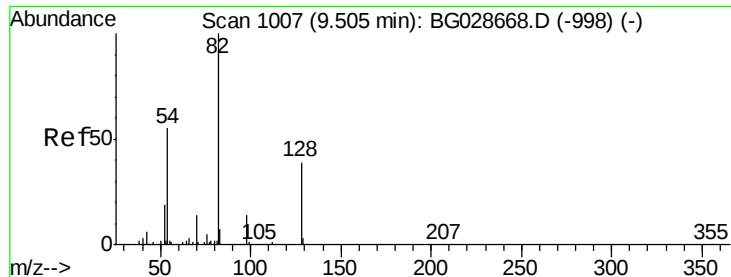
54 12.2 9.3 13.9

68 4.3 5.1 7.7#



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

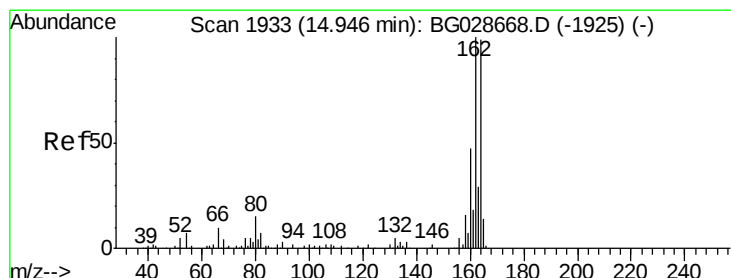
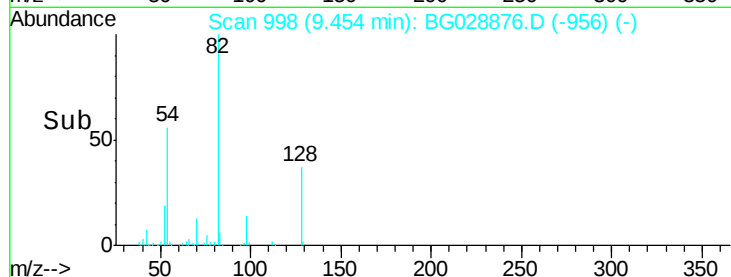
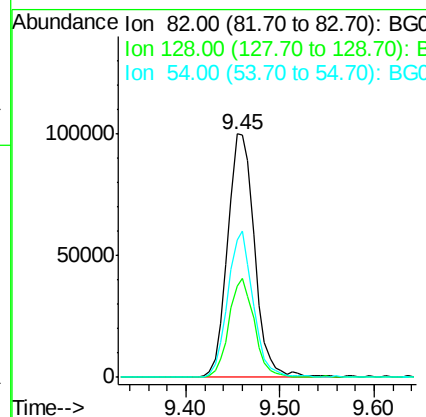
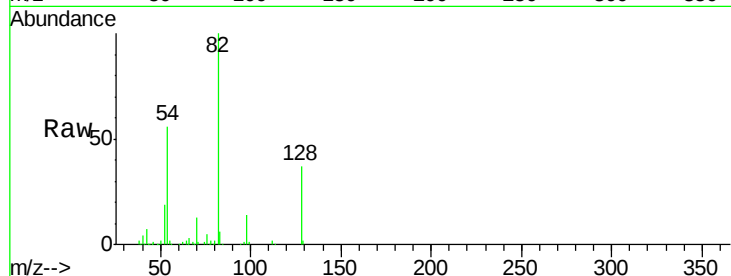




#23  
 Nitrobenzene-d5  
 Concen: 87.36 ng  
 RT: 9.45 min Scan# 998  
 Delta R.T. -0.05 min  
 Lab File: BG028876.D  
 Acq: 22 Sep 2017 3:02

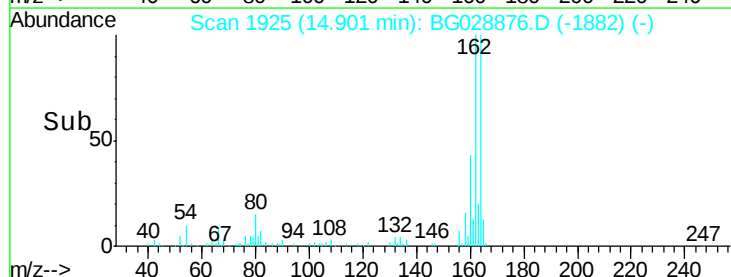
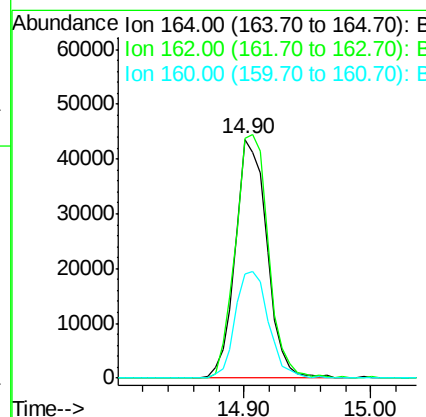
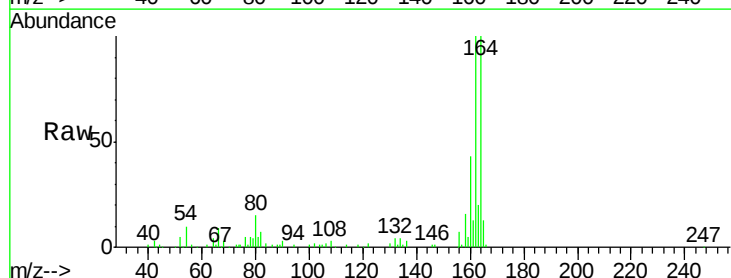
Instrument :  
 BNA\_G  
 ClientSampleId :

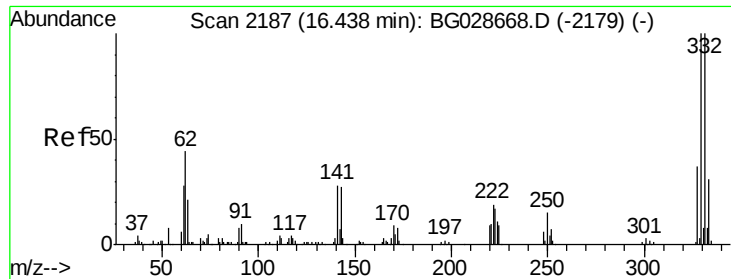
| Tot Ion | 82    | Resp  | 199931 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 37.4  | 26.4  | 39.6   |
| 54      | 56.4  | 49.4  | 74.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.90 min Scan# 1925  
 Delta R.T. -0.04 min  
 Lab File: BG028876.D  
 Acq: 22 Sep 2017 3:02

| Tgt Ion | 164   | Resp  | 75091 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 164     | 100   |       |       |
| 162     | 100.3 | 85.1  | 127.7 |
| 160     | 43.3  | 34.7  | 52.1  |

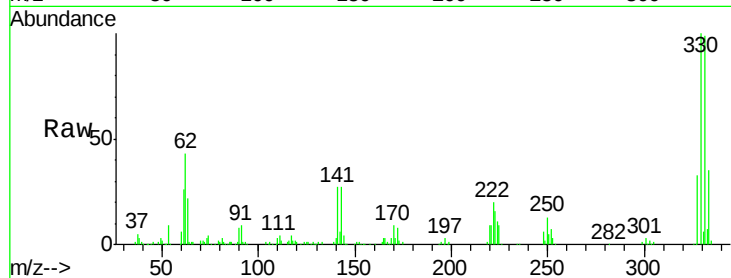




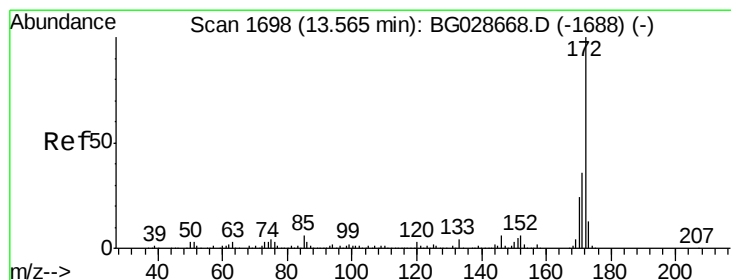
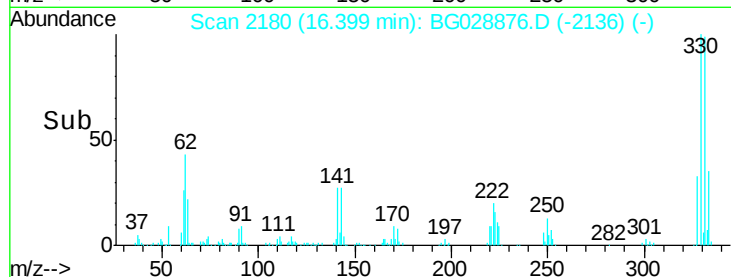
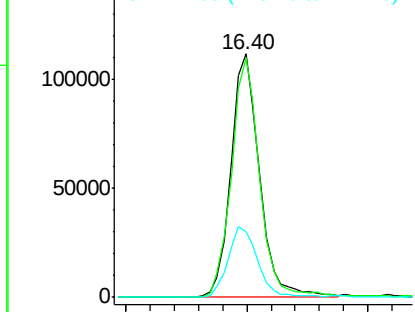
#41  
 2,4,6-Tribromophenol  
 Concen: 148.57 ng  
 RT: 16.40 min Scan# 2180  
 Delta R.T. -0.04 min  
 Lab File: BG028876.D  
 Acq: 22 Sep 2017 3:02

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.0  | 77.3  | 115.9 |
| 141     | 30.3  | 32.1  | 48.1# |

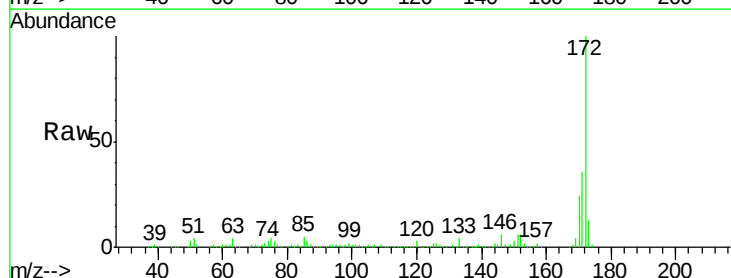


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

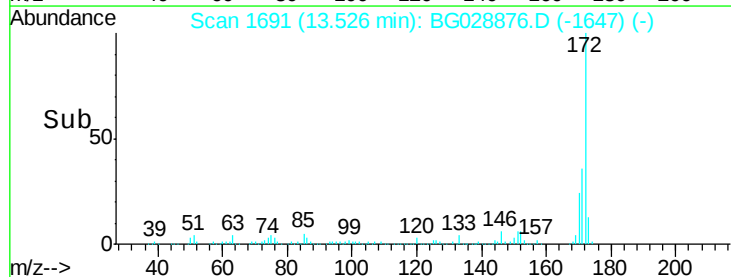
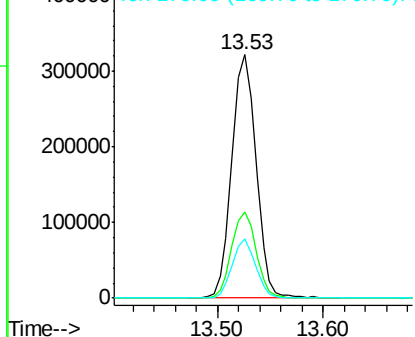


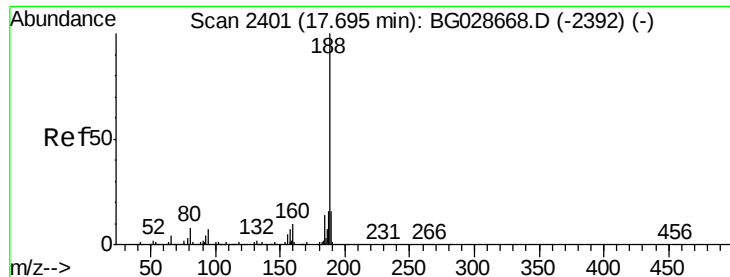
#44  
 2-Fluorobiphenyl  
 Concen: 90.81 ng  
 RT: 13.53 min Scan# 1691  
 Delta R.T. -0.04 min  
 Lab File: BG028876.D  
 Acq: 22 Sep 2017 3:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 32.2  | 48.2  |
| 170     | 24.5  | 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

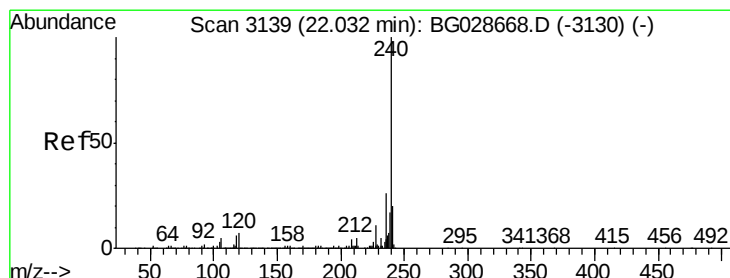
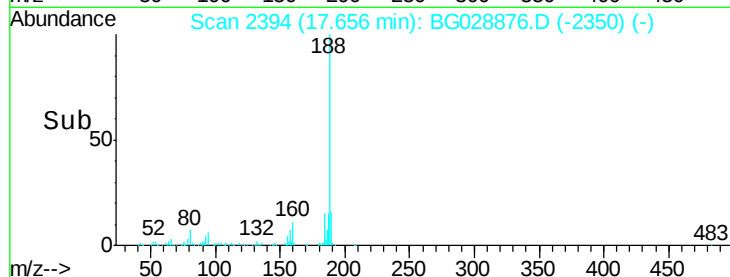
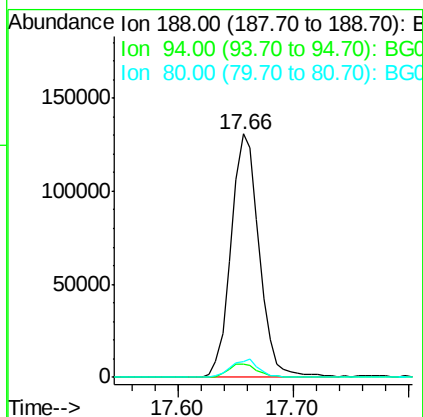
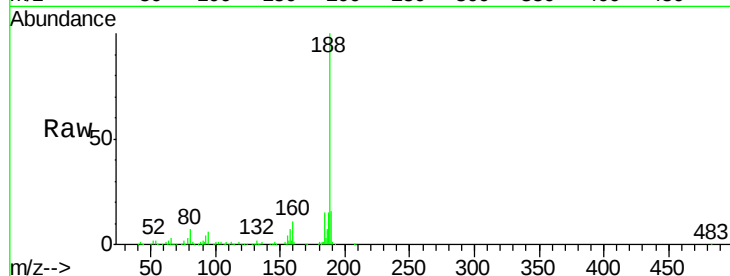




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.66 min Scan# 2394  
Delta R.T. -0.04 min  
Lab File: BG028876.D  
Acq: 22 Sep 2017 3:02

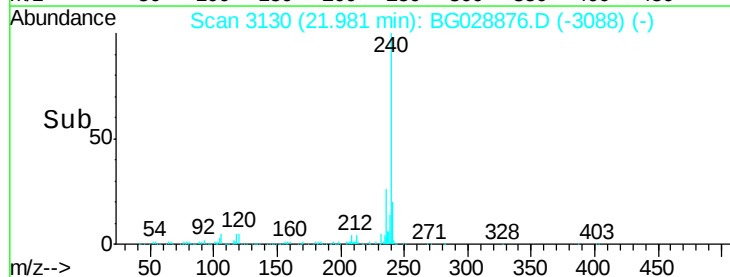
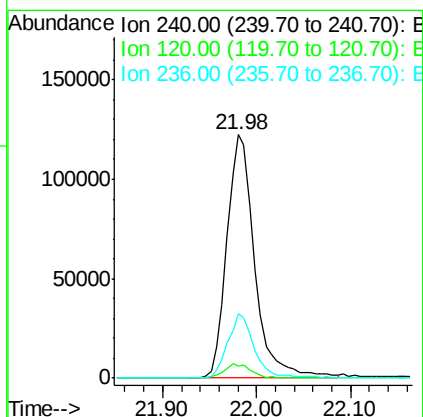
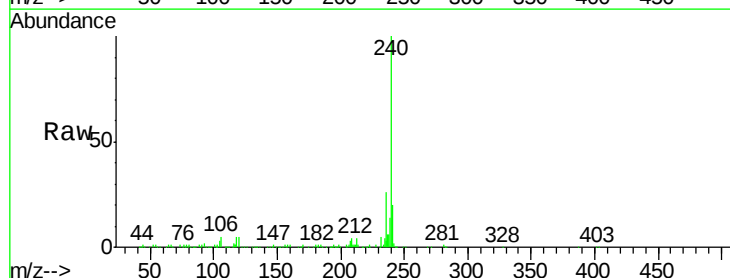
Instrument :  
BNA\_G  
ClientSampleId :

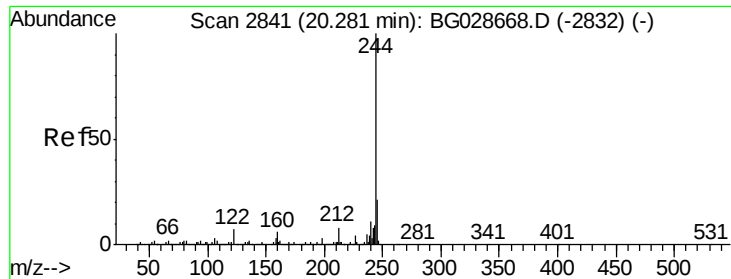
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.7   | 5.8   | 8.8#  |
| 80      | 6.6   | 7.5   | 11.3# |



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.98 min Scan# 3130  
Delta R.T. -0.05 min  
Lab File: BG028876.D  
Acq: 22 Sep 2017 3:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.0   | 5.7   | 8.5#  |
| 236     | 26.3  | 22.2  | 33.4  |





#78

Terphenyl-d14

Concen: 94.77 ng

RT: 20.25 min Scan# 2835

Delta R.T. -0.03 min

Lab File: BG028876.D

Acq: 22 Sep 2017 3:02

Instrument :

BNA\_G

ClientSampled :

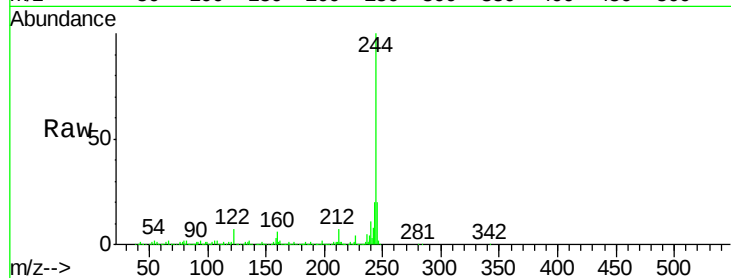
Tot Ion:244 Resp: 1118872

Ion Ratio Lower Upper

244 100

212 7.3 10.0 15.0#

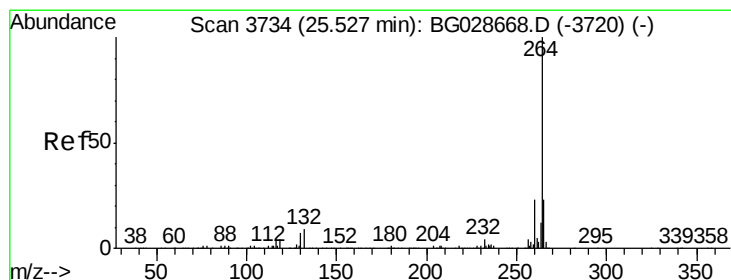
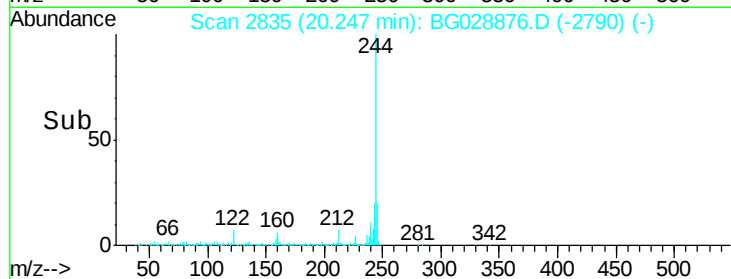
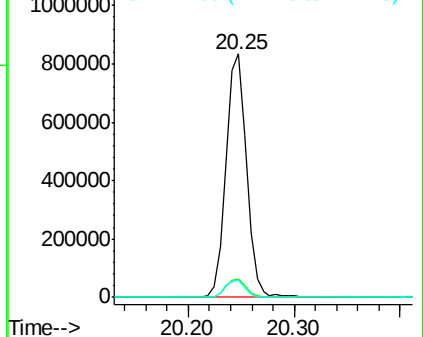
122 6.8 8.6 12.8#



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: 20.00 ng

RT: 25.45 min Scan# 3721

Delta R.T. -0.07 min

Lab File: BG028876.D

Acq: 22 Sep 2017 3:02

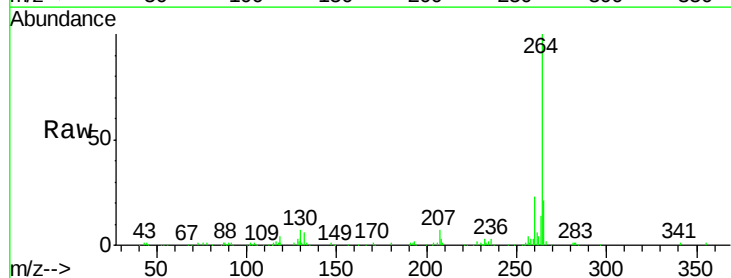
Tgt Ion:264 Resp: 223404

Ion Ratio Lower Upper

264 100

260 22.7 21.8 32.8

265 20.7 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

