

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092117\  
 Data File : BG028873.D  
 Acq On : 22 Sep 2017 1:02  
 Operator : SJ/JU  
 Sample : I5330-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 22 02:47:35 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  | 34662    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 11.10 | 136  | 132745   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10        | 14.91 | 164  | 94641    | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10        | 17.66 | 188  | 260301   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12            | 21.99 | 240  | 256885   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 25.45 | 264  | 71386    | 20.00  | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.86  | 112  | 298796   | 142.24 | ng    | -0.04    |
| 7) Phenol-d6                | 7.44  | 99   | 374363   | 118.36 | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 9.46  | 82   | 280337   | 101.03 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 255552   | 163.26 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 733183   | 103.30 | ng    | -0.04    |
| 78) Terphenyl-d14           | 20.25 | 244  | 1372608  | 113.95 | ng    | -0.03    |

Target Compounds Qvalue

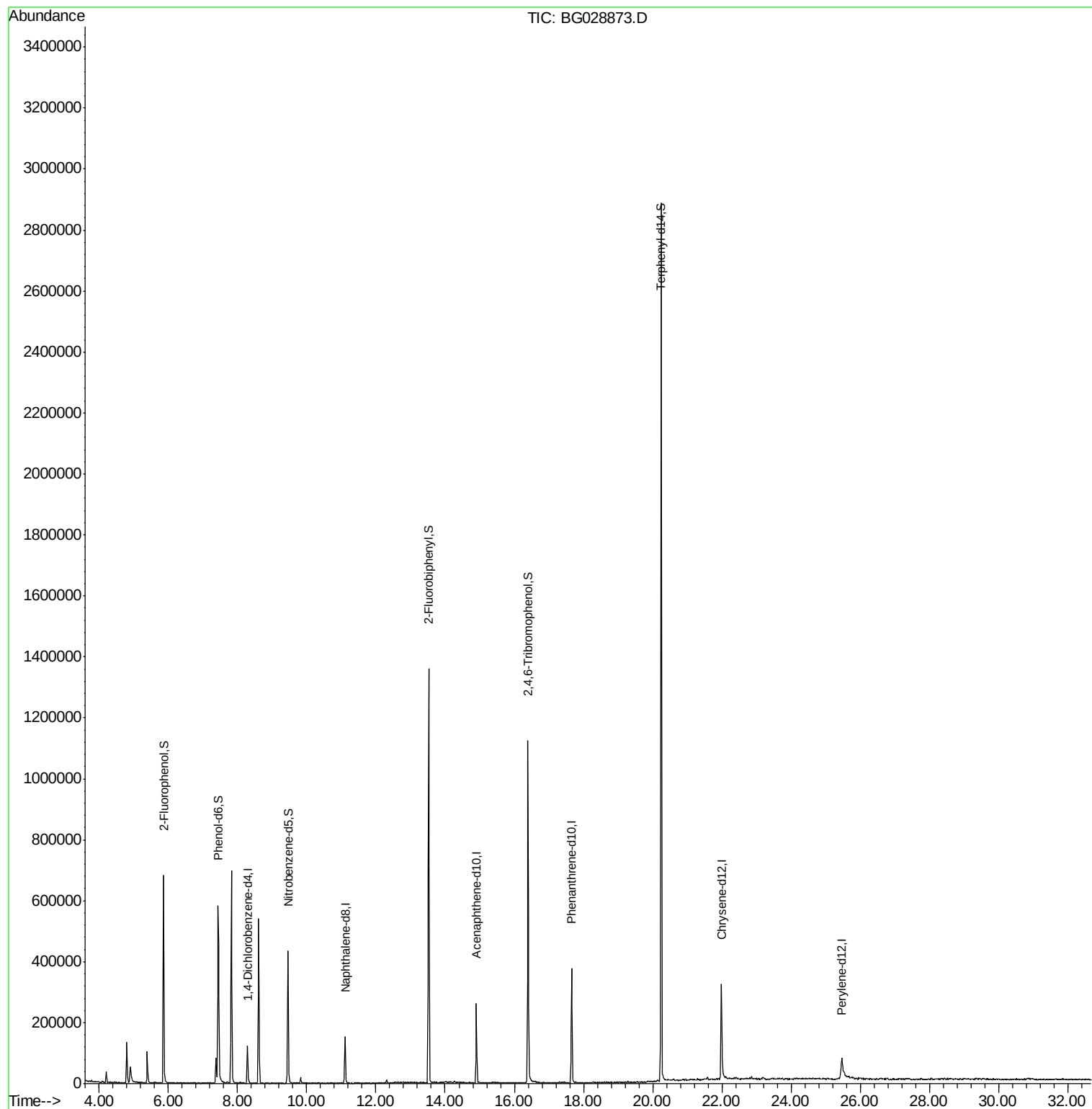
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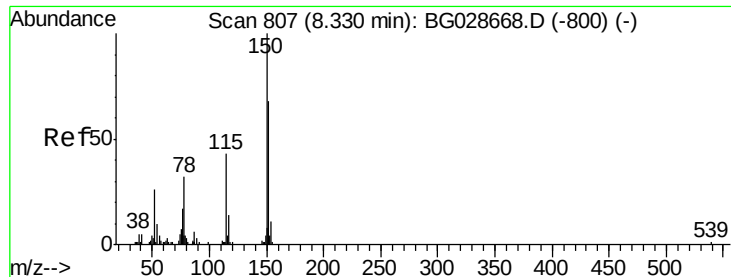
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
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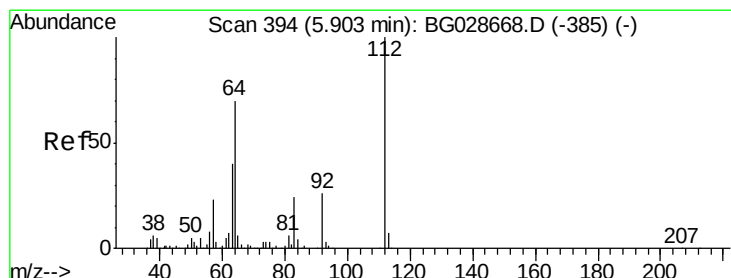
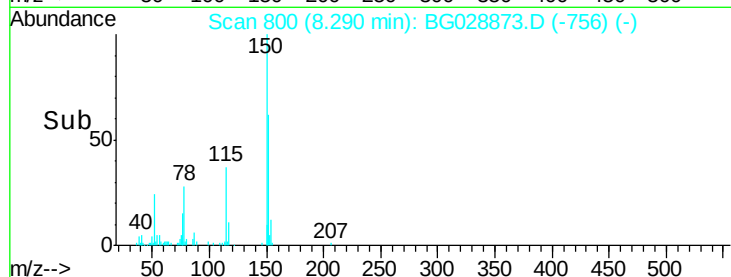
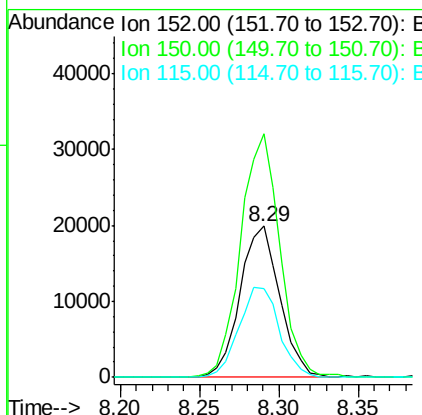
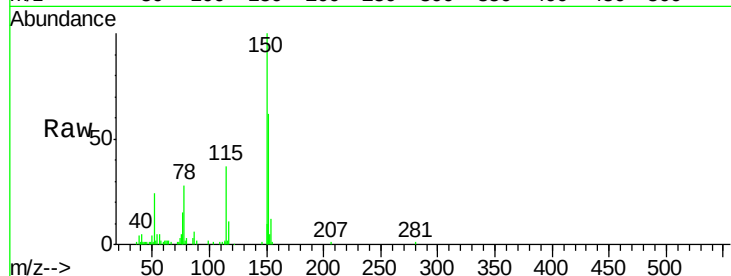


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.29 min Scan# 800  
Delta R.T. -0.04 min  
Lab File: BG028873.D  
Acq: 22 Sep 2017 1:02

Instrument :  
BNA\_G  
ClientSampleId :

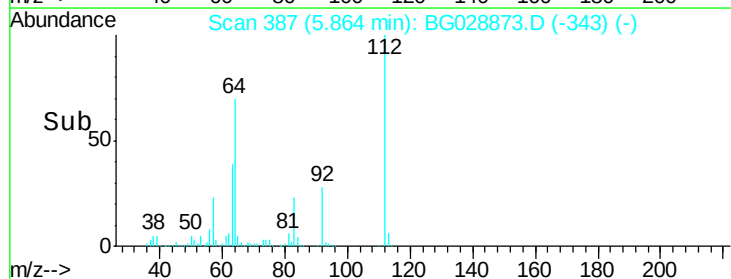
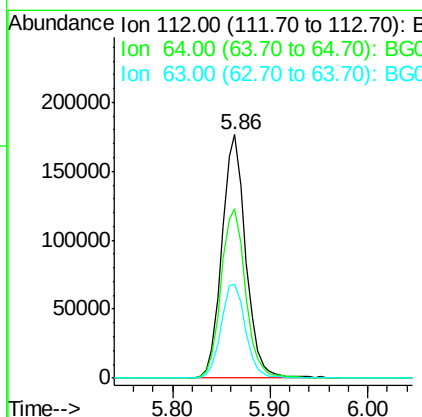
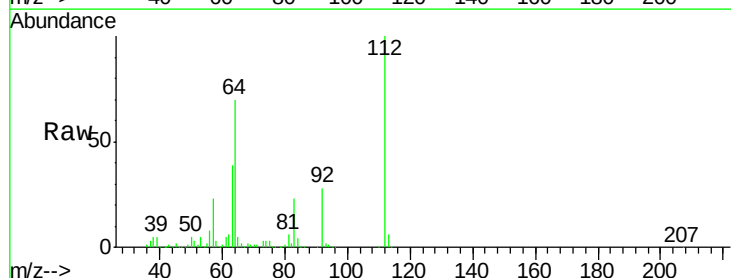
Tot Ion:152 Resp: 34662  
Ion Ratio Lower Upper  
152 100  
150 161.1 114.0 171.0  
115 59.1 48.1 72.1

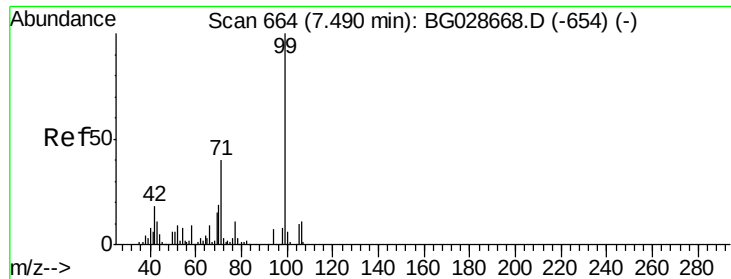


#5

2-Fluorophenol  
Concen: 142.24 ng  
RT: 5.86 min Scan# 387  
Delta R.T. -0.04 min  
Lab File: BG028873.D  
Acq: 22 Sep 2017 1:02

Tgt Ion:112 Resp: 298796  
Ion Ratio Lower Upper  
112 100  
64 69.7 61.8 92.6  
63 38.6 37.2 55.8





#7

Phenol-d6

Concen: 118.36 ng

RT: 7.44 min Scan# 656

Delta R.T. -0.05 min

Lab File: BG028873.D

Acq: 22 Sep 2017 1:02

Instrument :

BNA\_G

ClientSampleId :

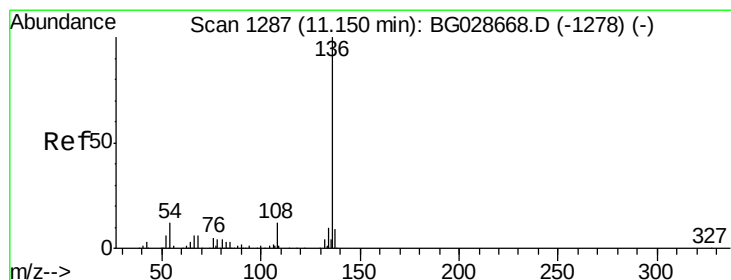
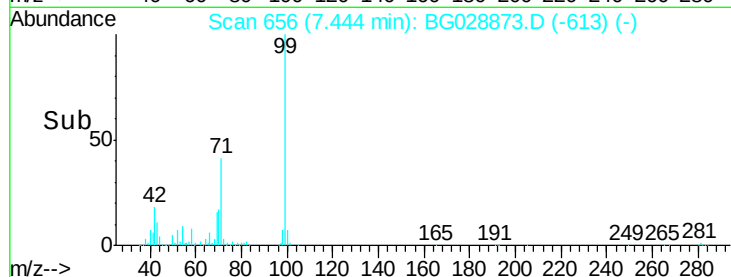
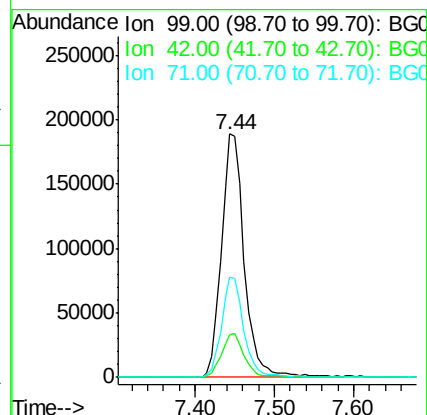
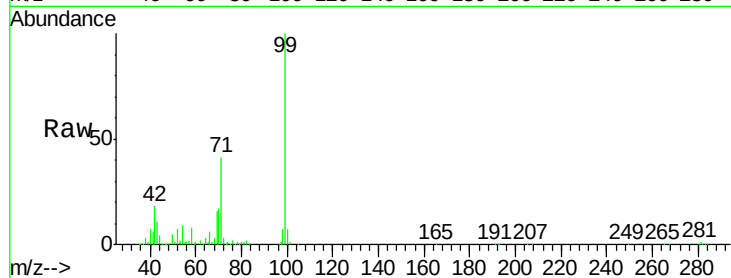
Tot Ion: 99 Resp: 374363

Ion Ratio Lower Upper

99 100

42 17.6 20.5 30.7#

71 41.1 37.6 56.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.10 min Scan# 1279

Delta R.T. -0.05 min

Lab File: BG028873.D

Acq: 22 Sep 2017 1:02

Tgt Ion: 136 Resp: 132745

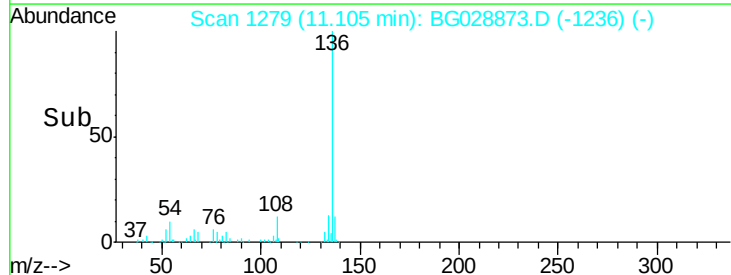
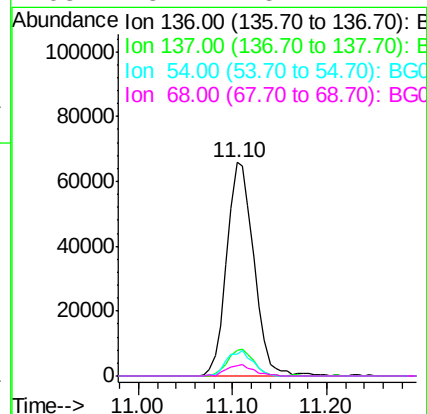
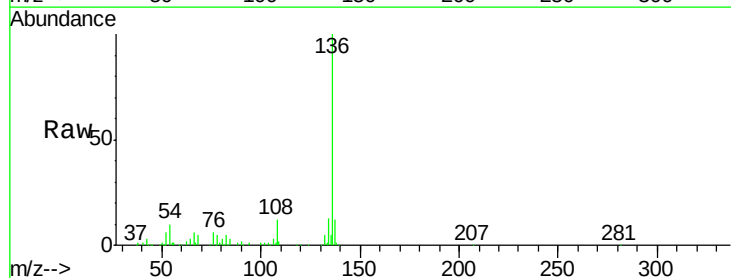
Ion Ratio Lower Upper

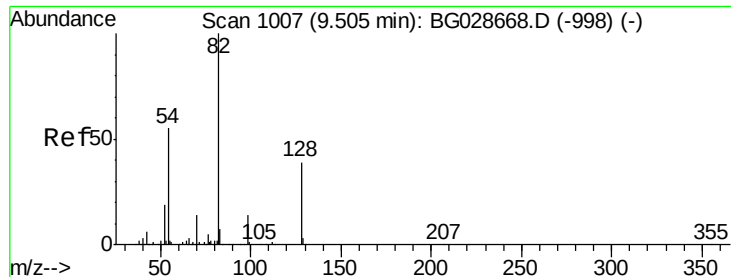
136 100

137 11.8 8.9 13.3

54 10.3 9.3 13.9

68 5.1 5.1 7.7#

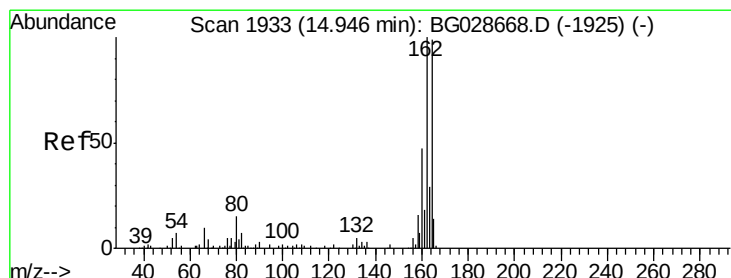
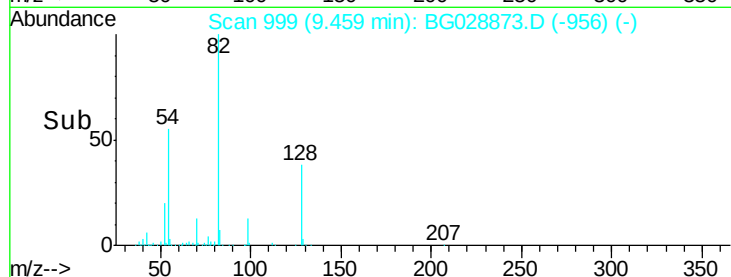
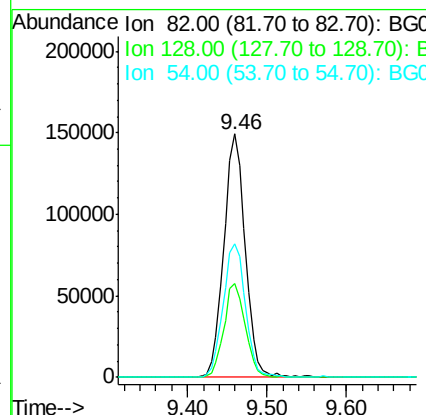
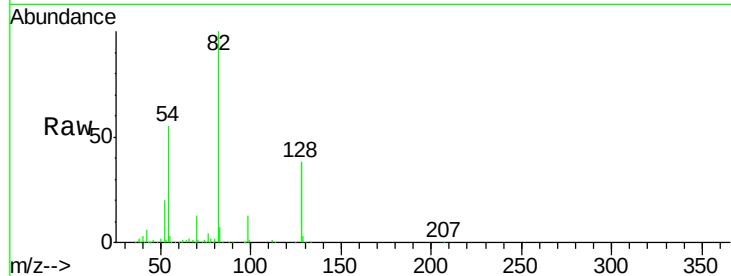




#23  
 Nitrobenzene-d5  
 Concen: 101.03 ng  
 RT: 9.46 min Scan# 999  
 Delta R.T. -0.05 min  
 Lab File: BG028873.D  
 Acq: 22 Sep 2017 1:02

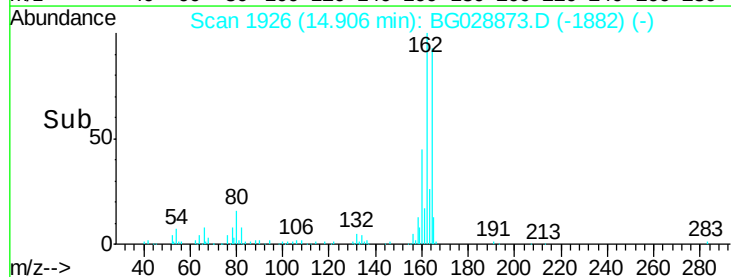
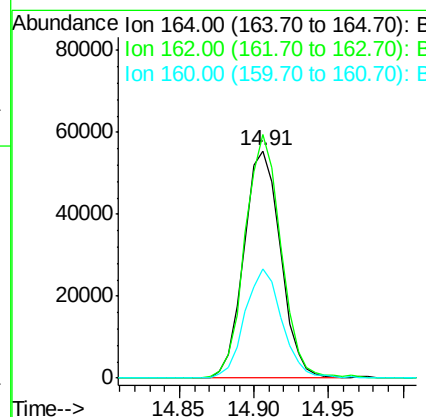
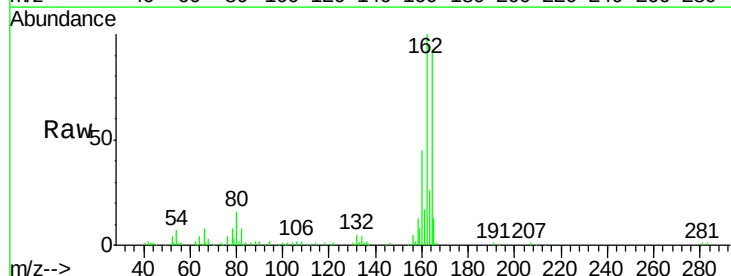
Instrument :  
 BNA\_G  
 ClientSampleId :

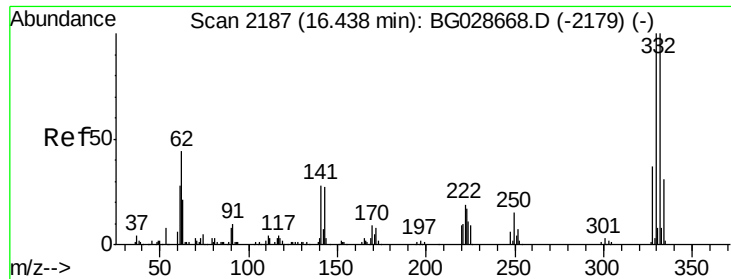
| Tot Ion | 82    | Resp  | 280337 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 38.4  | 26.4  | 39.6   |
| 54      | 55.0  | 49.4  | 74.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.91 min Scan# 1926  
 Delta R.T. -0.04 min  
 Lab File: BG028873.D  
 Acq: 22 Sep 2017 1:02

| Tgt Ion | 164   | Resp  | 94641 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 164     | 100   |       |       |
| 162     | 107.0 | 85.1  | 127.7 |
| 160     | 47.9  | 34.7  | 52.1  |

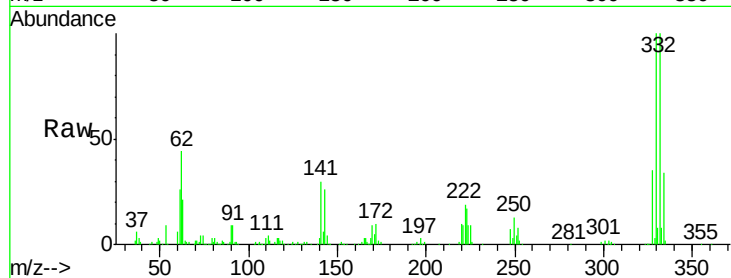




#41  
 2,4,6-Tribromophenol  
 Concen: 163.26 ng  
 RT: 16.40 min Scan# 2180  
 Delta R.T. -0.04 min  
 Lab File: BG028873.D  
 Acq: 22 Sep 2017 1:02

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.7  | 77.3  | 115.9 |
| 141     | 30.5  | 32.1  | 48.1# |

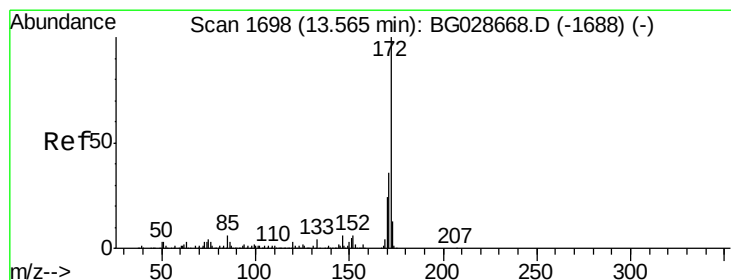
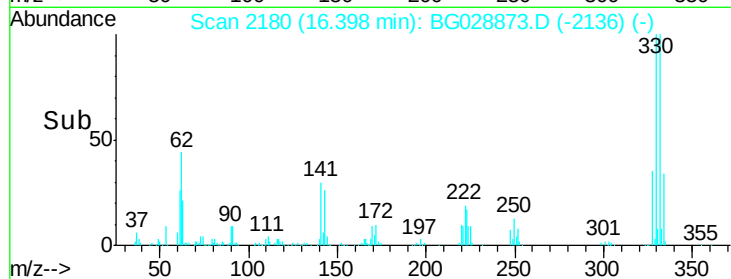
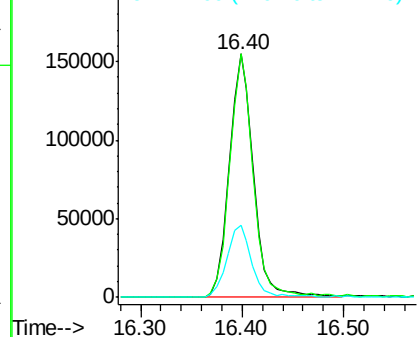


Abundance

Ion 329.80 (329.50 to 330.50): E

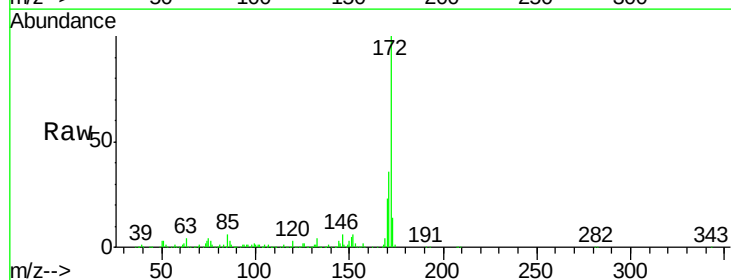
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 103.30 ng  
 RT: 13.53 min Scan# 1691  
 Delta R.T. -0.04 min  
 Lab File: BG028873.D  
 Acq: 22 Sep 2017 1:02

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

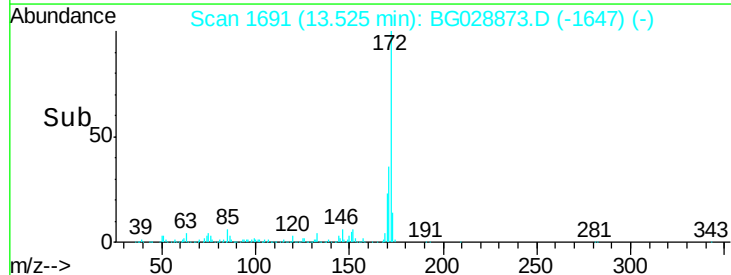
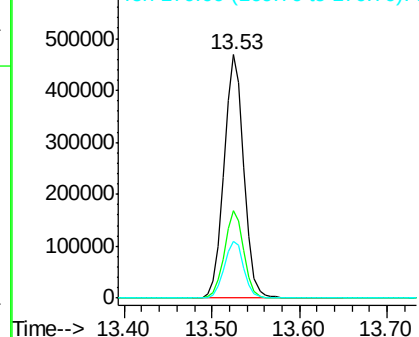


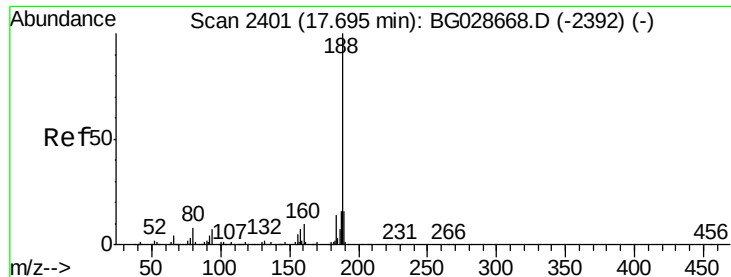
Abundance

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

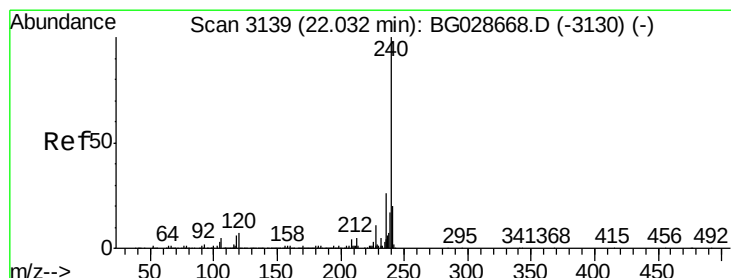
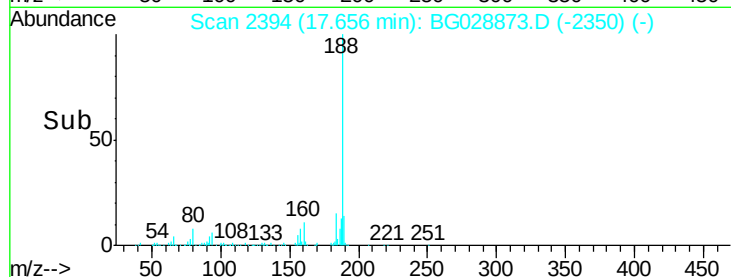
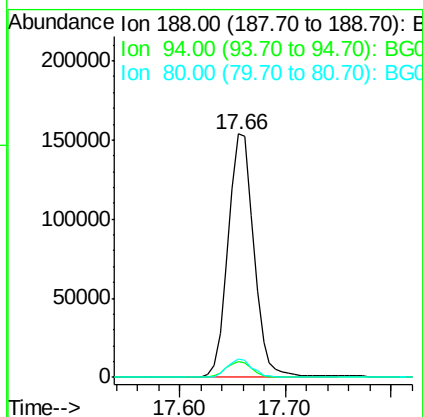
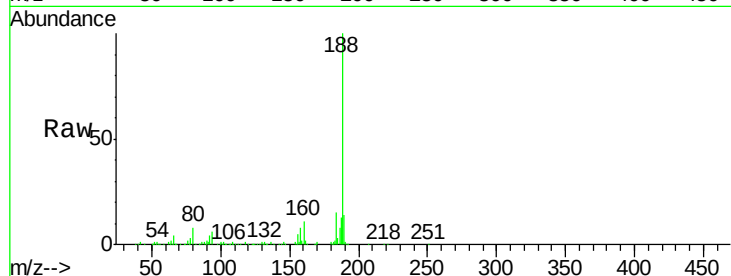




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.66 min Scan# 2394  
Delta R.T. -0.04 min  
Lab File: BG028873.D  
Acq: 22 Sep 2017 1:02

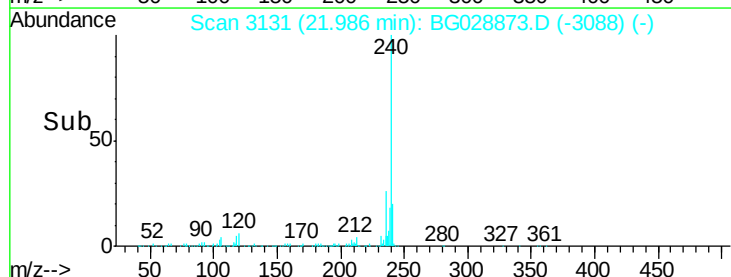
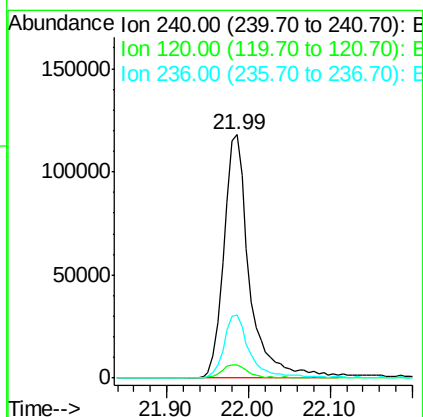
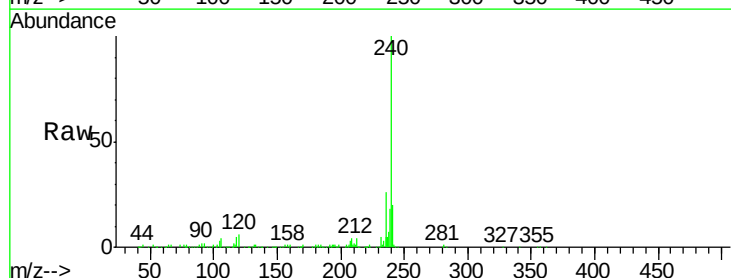
Instrument :  
BNA\_G  
ClientSampleId :

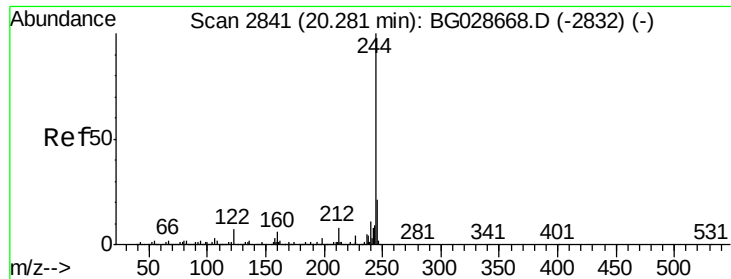
Tot Ion:188 Resp: 260301  
Ion Ratio Lower Upper  
188 100  
94 6.3 5.8 8.8  
80 7.6 7.5 11.3



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.99 min Scan# 3131  
Delta R.T. -0.05 min  
Lab File: BG028873.D  
Acq: 22 Sep 2017 1:02

Tgt Ion:240 Resp: 256885  
Ion Ratio Lower Upper  
240 100  
120 5.7 5.7 8.5#  
236 26.1 22.2 33.4





#78

Terphenyl-d14

Concen: 113.95 ng

RT: 20.25 min Scan# 2835

Delta R.T. -0.03 min

Lab File: BG028873.D

Acq: 22 Sep 2017 1:02

Instrument :

BNA\_G

ClientSampleId :

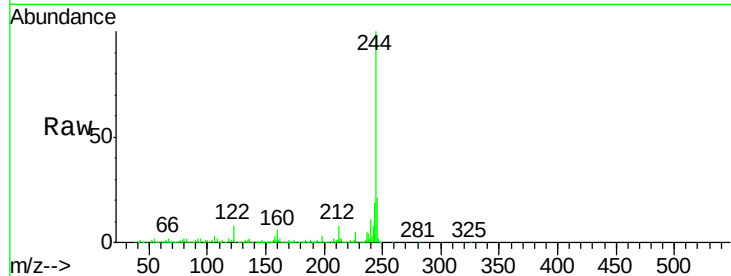
Tot Ion:244 Resp: 1372608

Ion Ratio Lower Upper

244 100

212 8.2 10.0 15.0#

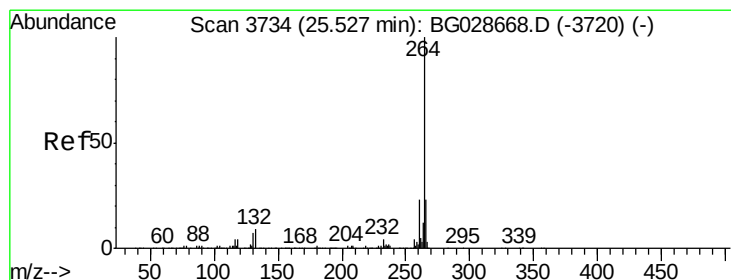
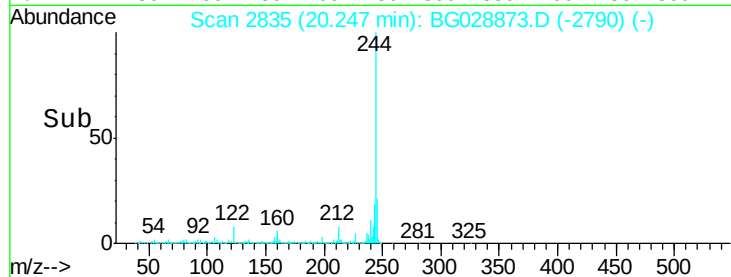
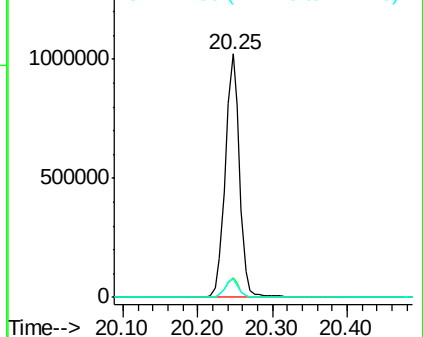
122 7.6 8.6 12.8#



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: BG028873.D

Acq: 22 Sep 2017 1:02

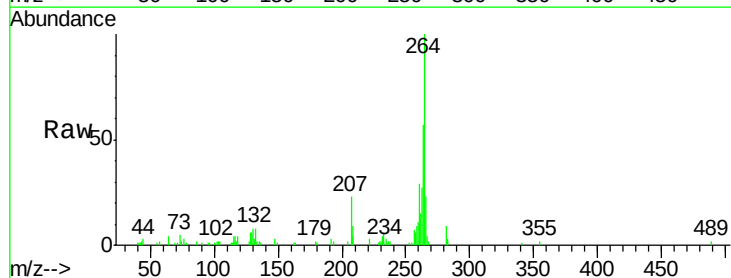
Tgt Ion:264 Resp: 71386

Ion Ratio Lower Upper

264 100

260 29.4 21.8 32.8

265 23.0 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

