

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091817\  
 Data File : BG028819.D  
 Acq On : 19 Sep 2017 7:01  
 Operator : SJ/JU  
 Sample : I5265-12  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-12D68

Quant Time: Sep 19 08:06:16 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

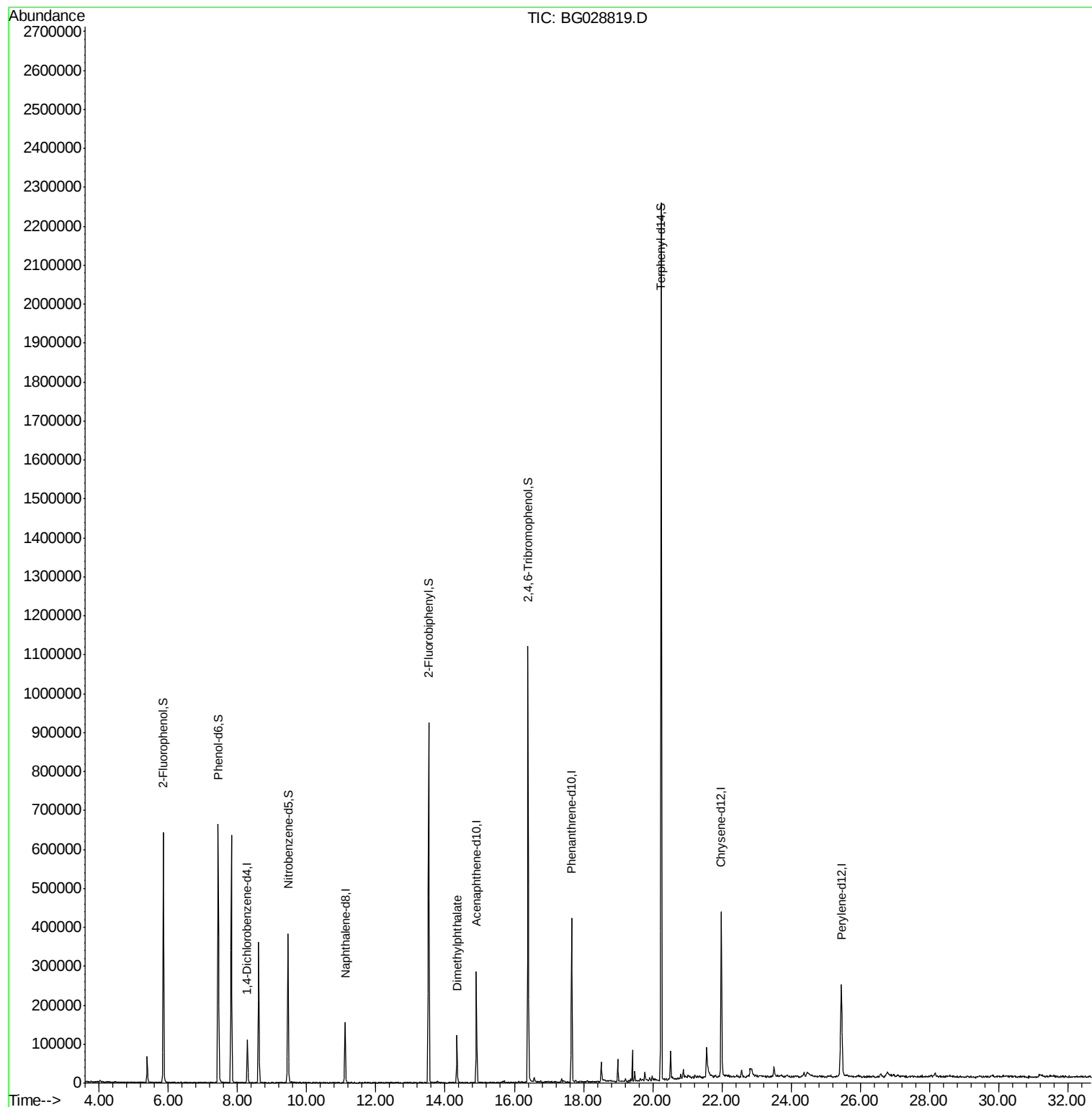
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.29  | 152  | 32025    | 20.00  | ng    | -0.04          |
| 21) Naphthalene-d8          | 11.11 | 136  | 136529   | 20.00  | ng    | -0.04          |
| 38) Acenaphthene-d10        | 14.91 | 164  | 102979   | 20.00  | ng    | -0.04          |
| 63) Phenanthrene-d10        | 17.66 | 188  | 279867   | 20.00  | ng    | -0.04          |
| 75) Chrysene-d12            | 21.98 | 240  | 303839   | 20.00  | ng    | -0.05          |
| 86) Perylene-d12            | 25.45 | 264  | 313509   | 20.00  | ng    | -0.07          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.86  | 112  | 277502   | 142.98 | ng    | -0.04          |
| 7) Phenol-d6                | 7.45  | 99   | 399423   | 136.69 | ng    | -0.04          |
| 23) Nitrobenzene-d5         | 9.46  | 82   | 239286   | 83.84  | ng    | -0.04          |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 245871   | 144.36 | ng    | -0.04          |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 512046   | 66.30  | ng    | -0.04          |
| 78) Terphenyl-d14           | 20.25 | 244  | 1050495  | 73.73  | ng    | -0.03          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 14.34 | 163  | 82867    | 9.596  | ng    | Qvalue<br># 95 |

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

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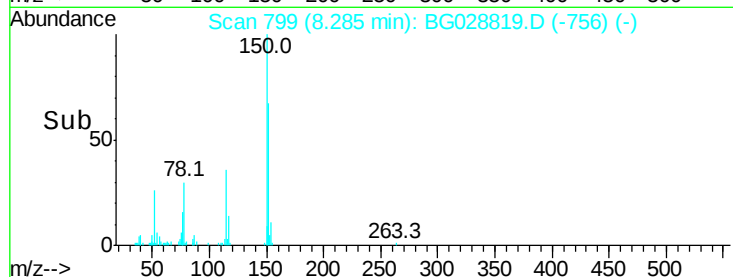
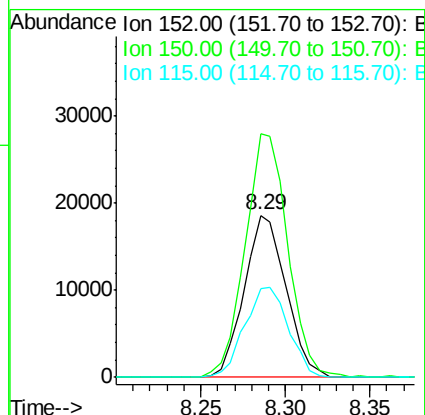
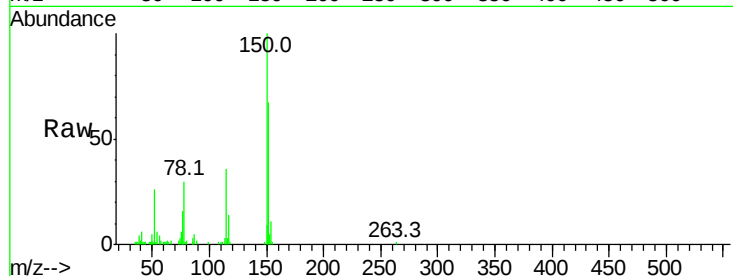


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.29 min Scan# 799  
Delta R.T. -0.04 min  
Lab File: BG028819.D  
Acq: 19 Sep 2017 7:01

Instrument :  
BNA\_G  
ClientSampleId :  
TP-12D68

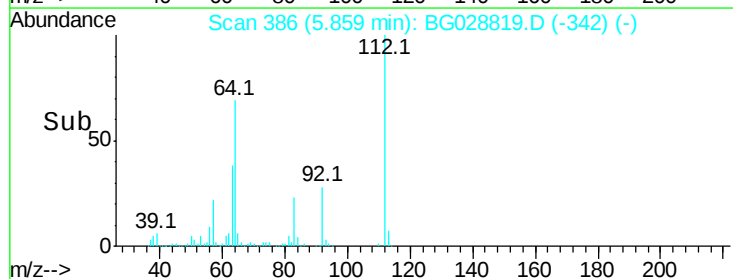
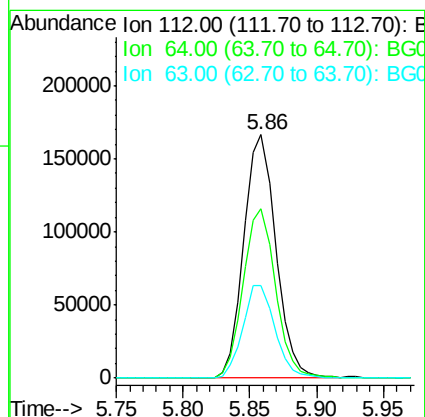
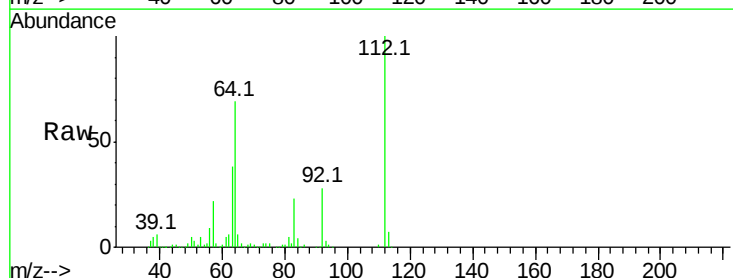
Tot Ion:152 Resp: 32025  
Ion Ratio Lower Upper  
152 100  
150 150.0 114.0 171.0  
115 54.7 48.1 72.1

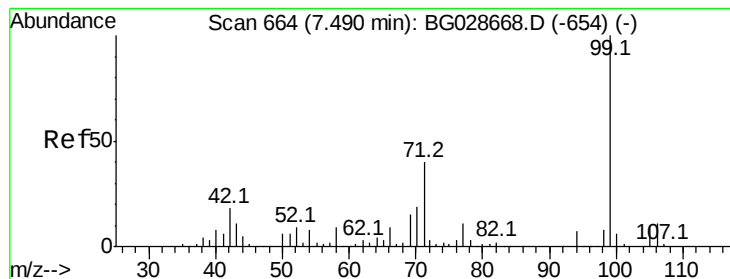


#5

2-Fluorophenol  
Concen: 142.980 ng  
RT: 5.86 min Scan# 386  
Delta R.T. -0.04 min  
Lab File: BG028819.D  
Acq: 19 Sep 2017 7:01

Tgt Ion:112 Resp: 277502  
Ion Ratio Lower Upper  
112 100  
64 69.4 61.8 92.6  
63 37.9 37.2 55.8





#7

Phenol-d6

Concen: 136.686 ng

RT: 7.45 min Scan# 656

Delta R.T. -0.04 min

Lab File: BG028819.D

Acq: 19 Sep 2017 7:01

Instrument :

BNA\_G

ClientSampleId :

TP-12D68

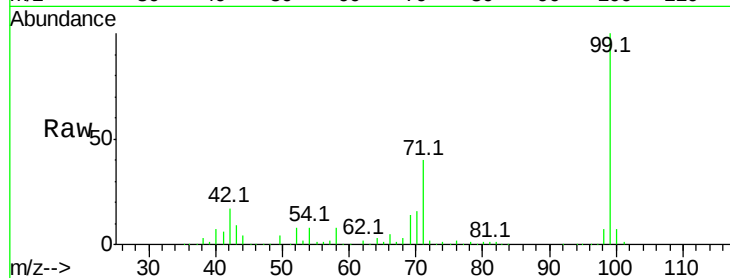
Tot Ion: 99 Resp: 399423

Ion Ratio Lower Upper

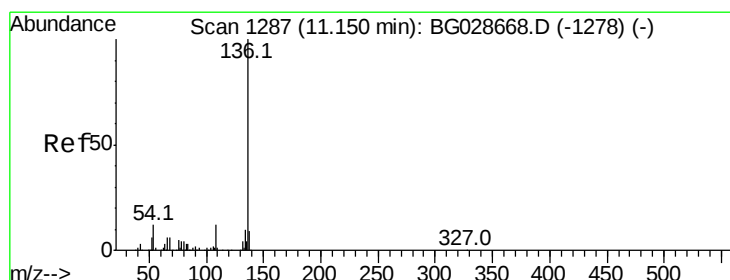
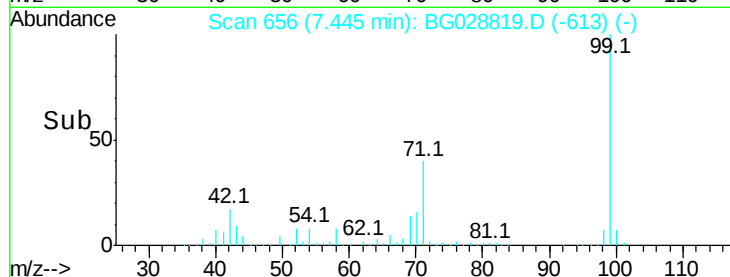
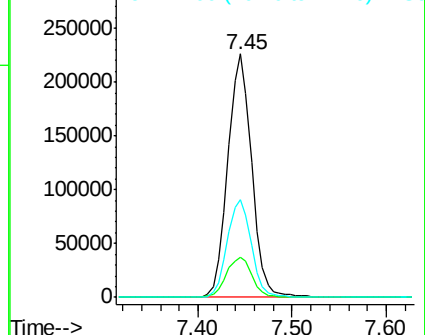
99 100

42 16.5 20.5 30.7#

71 40.1 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: 20.000 ng

RT: 11.11 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BG028819.D

Acq: 19 Sep 2017 7:01

Tgt Ion: 136 Resp: 136529

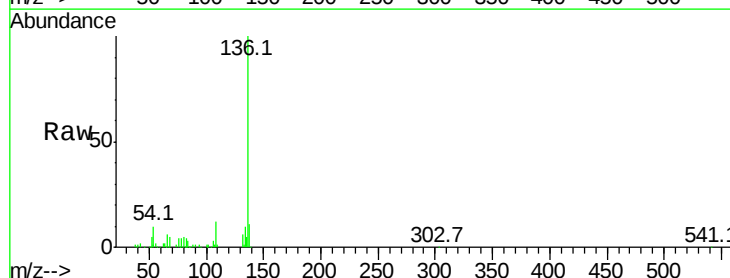
Ion Ratio Lower Upper

136 100

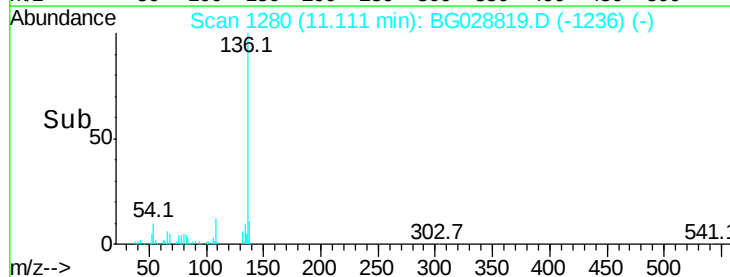
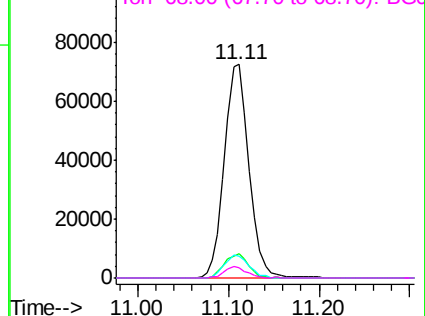
137 11.5 8.9 13.3

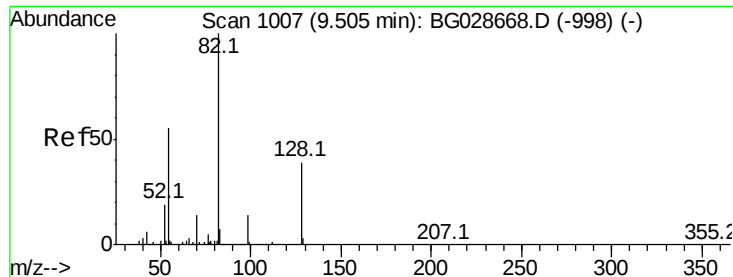
54 10.5 9.3 13.9

68 4.8 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

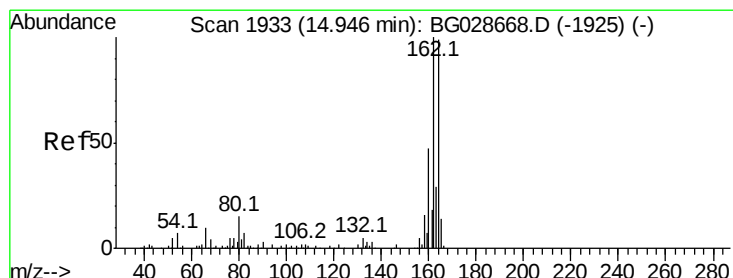
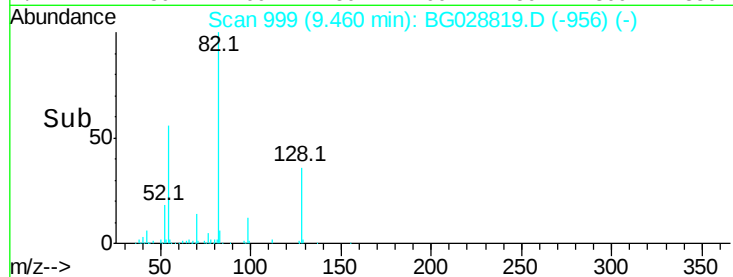
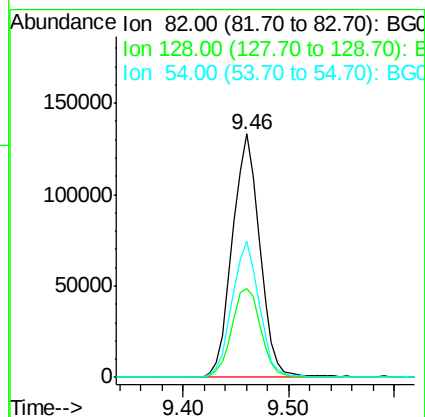
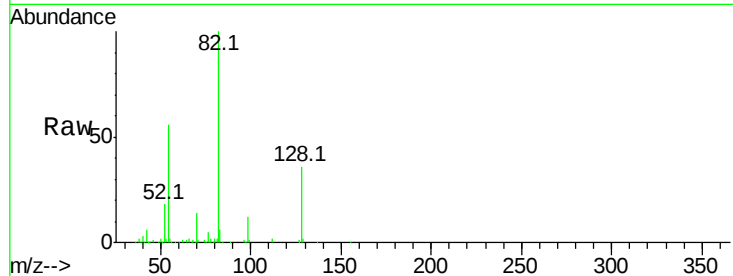




#23  
Nitrobenzene-d5  
Concen: 83.842 ng  
RT: 9.46 min Scan# 999  
Delta R.T. -0.04 min  
Lab File: BG028819.D  
Acq: 19 Sep 2017 7:01

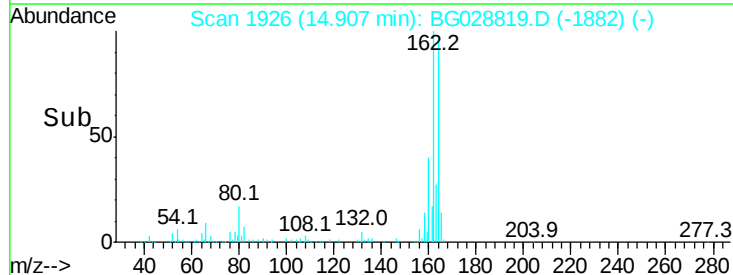
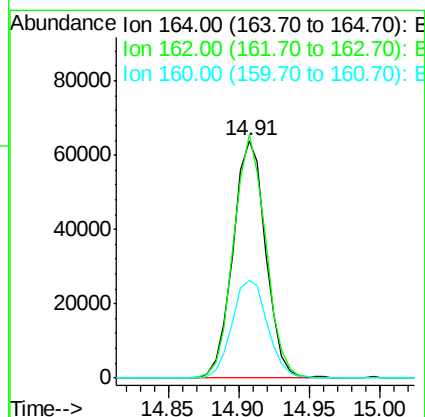
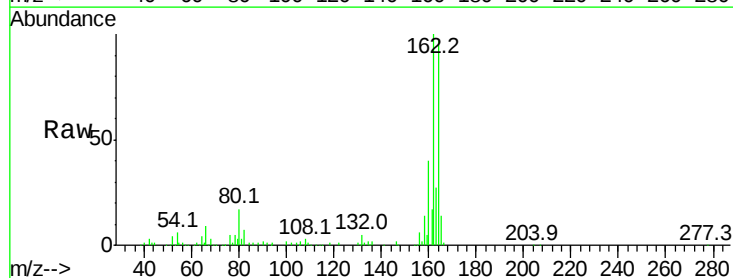
Instrument :  
BNA\_G  
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TP-12D68

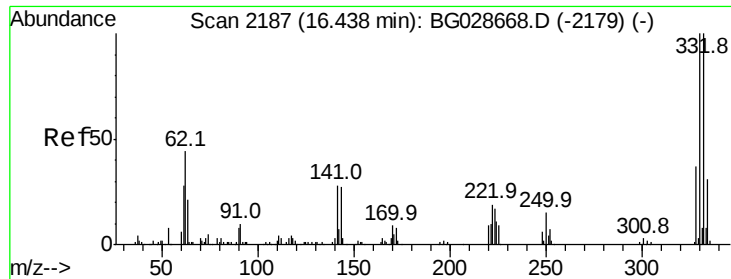
| Tot Ion   | 82   | Resp  | 239286 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 36.5 | 26.4  | 39.6   |
| 54        | 56.0 | 49.4  | 74.2   |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.91 min Scan# 1926  
Delta R.T. -0.04 min  
Lab File: BG028819.D  
Acq: 19 Sep 2017 7:01

| Tgt Ion   | 164   | Resp  | 102979 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 102.6 | 85.1  | 127.7  |
| 160       | 41.3  | 34.7  | 52.1   |

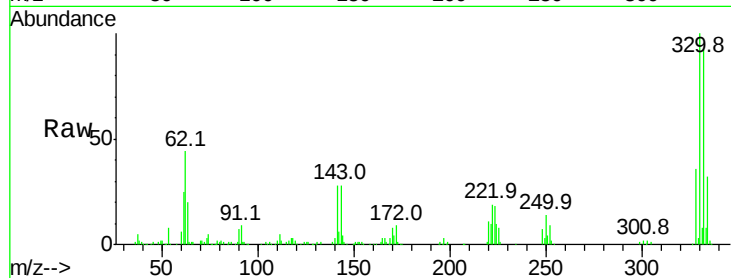




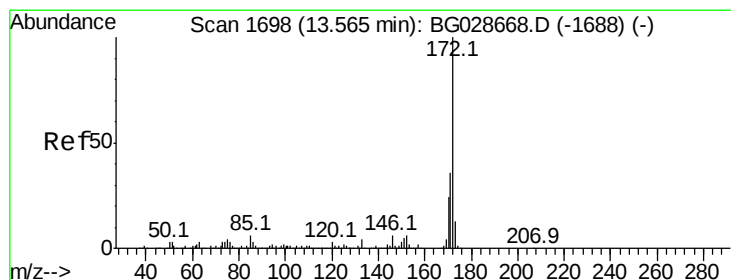
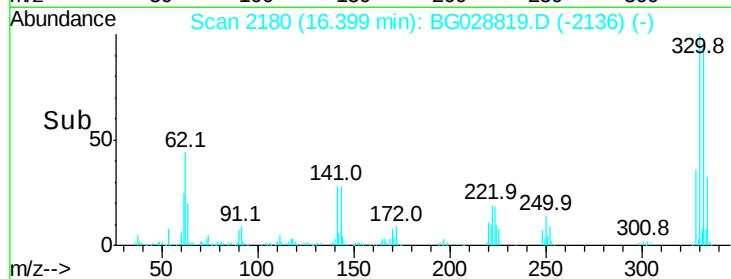
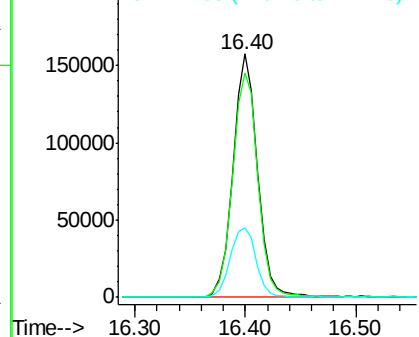
#41  
 2,4,6-Tribromophenol  
 Concen: 144.357 ng  
 RT: 16.40 min Scan# 2180  
 Delta R.T. -0.04 min  
 Lab File: BG028819.D  
 Acq: 19 Sep 2017 7:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-12D68

Tot Ion:330 Resp: 245871  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 77.3 115.9  
 141 30.1 32.1 48.1#

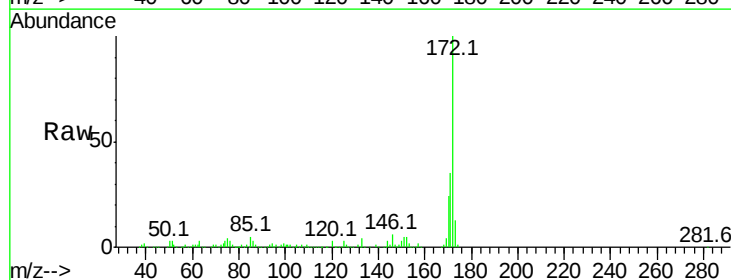


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

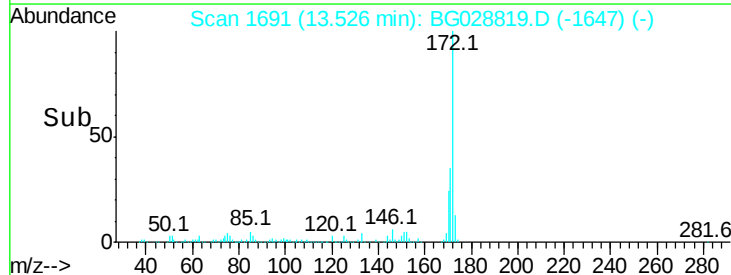
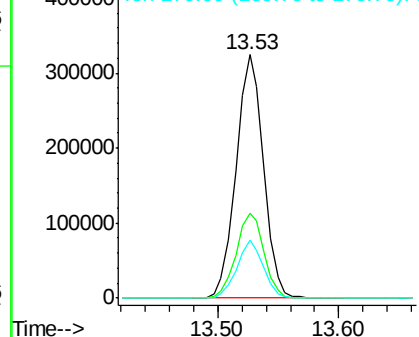


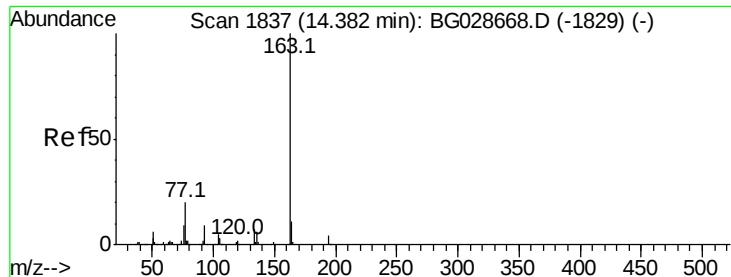
#44  
 2-Fluorobiphenyl  
 Concen: 66.302 ng  
 RT: 13.53 min Scan# 1691  
 Delta R.T. -0.04 min  
 Lab File: BG028819.D  
 Acq: 19 Sep 2017 7:01

Tgt Ion:172 Resp: 512046  
 Ion Ratio Lower Upper  
 172 100  
 171 35.0 32.2 48.2  
 170 23.7 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: 9.596 ng

RT: 14.34 min Scan# 1830

Delta R.T. -0.04 min

Lab File: BG028819.D

Acq: 19 Sep 2017 7:01

Instrument :

BNA\_G

ClientSampleId :

TP-12D68

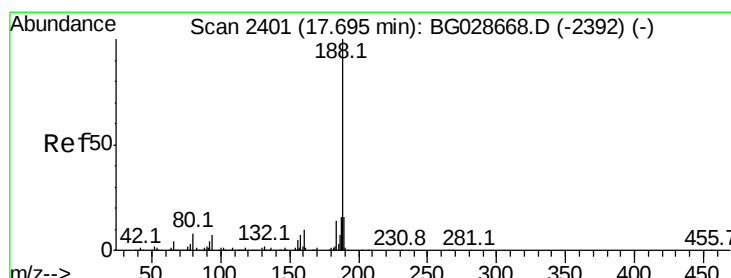
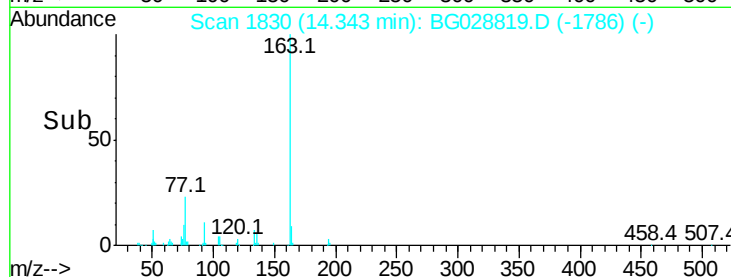
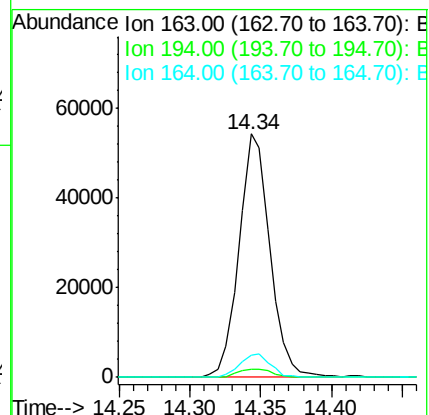
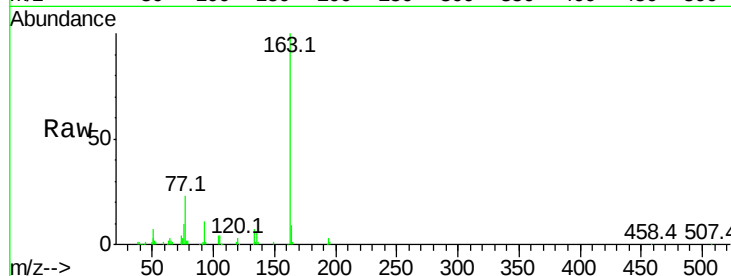
Tot Ion:163 Resp: 82867

Ion Ratio Lower Upper

163 100

194 3.4 3.8 5.6#

164 9.3 9.3 13.9#



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.66 min Scan# 2394

Delta R.T. -0.04 min

Lab File: BG028819.D

Acq: 19 Sep 2017 7:01

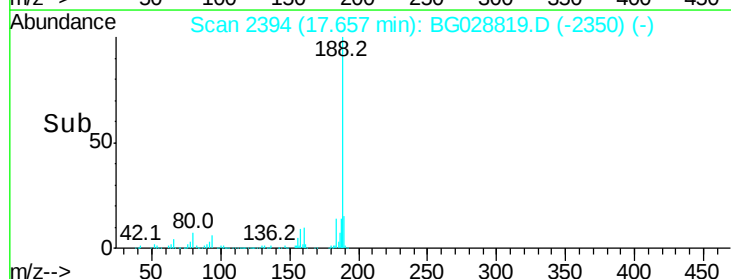
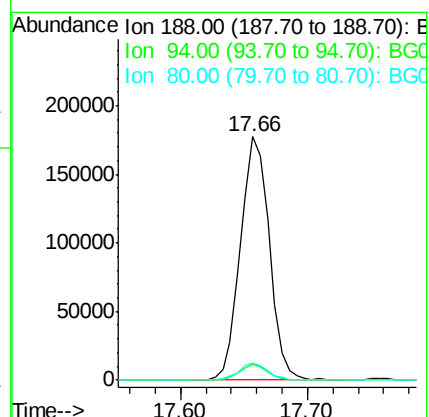
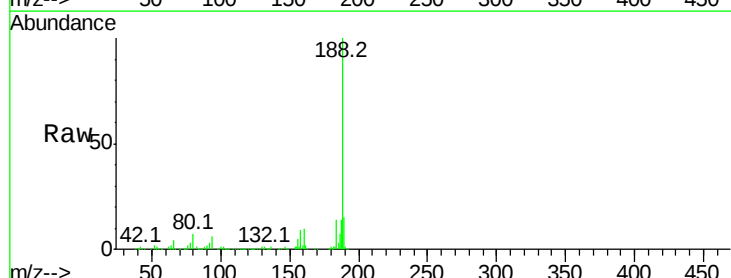
Tgt Ion:188 Resp: 279867

Ion Ratio Lower Upper

188 100

94 6.3 5.8 8.8

80 6.9 7.5 11.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.98 min Scan# 3130

Delta R.T. -0.05 min

Lab File: BG028819.D

Acq: 19 Sep 2017 7:01

Instrument :

BNA\_G

ClientSampleId :

TP-12D68

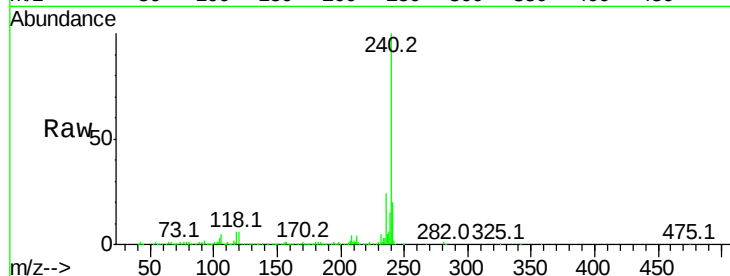
Tot Ion:240 Resp: 303839

Ion Ratio Lower Upper

240 100

120 5.8 5.7 8.5

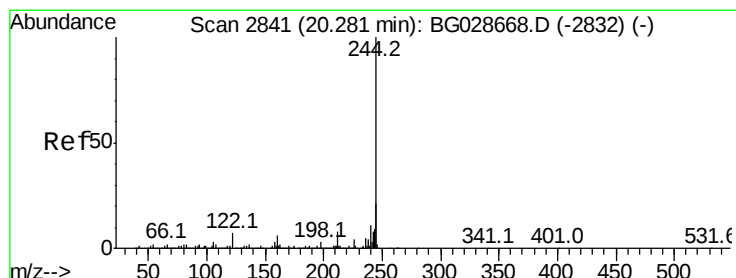
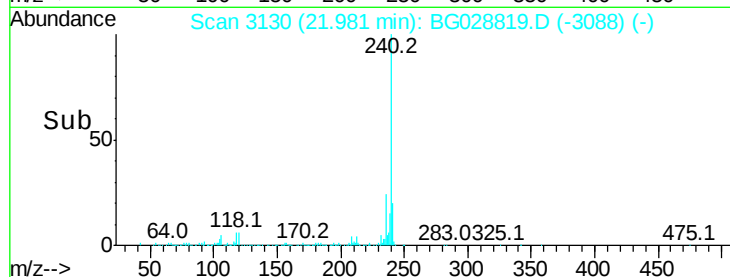
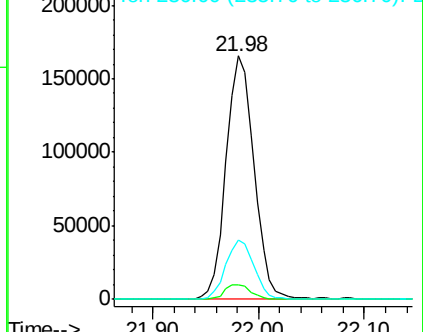
236 24.1 22.2 33.4



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: 73.731 ng

RT: 20.25 min Scan# 2835

Delta R.T. -0.03 min

Lab File: BG028819.D

Acq: 19 Sep 2017 7:01

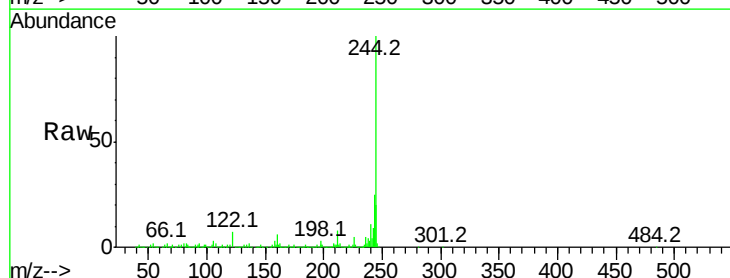
Tgt Ion:244 Resp: 1050495

Ion Ratio Lower Upper

244 100

212 8.0 10.0 15.0#

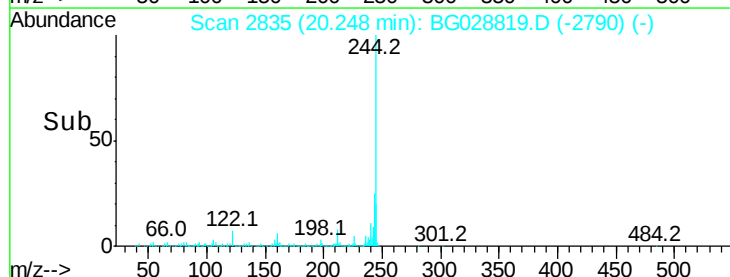
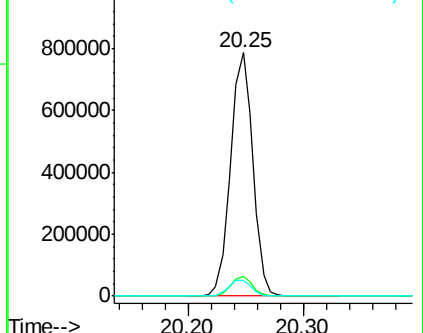
122 6.6 8.6 12.8#

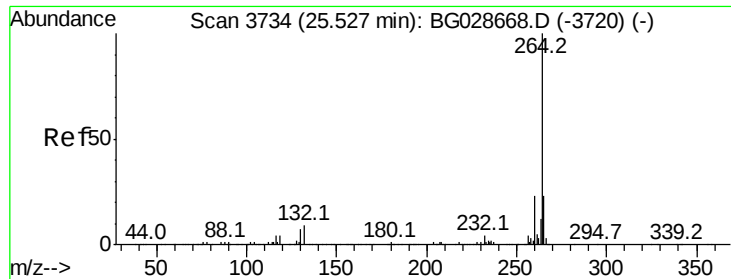


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.45 min Scan# 3721  
Delta R.T. -0.07 min  
Lab File: BG028819.D  
Acq: 19 Sep 2017 7:01

Instrument :  
BNA\_G  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 21.8  | 32.8  |
| 265     | 20.3  | 18.2  | 27.4  |

