

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092017\  
 Data File : BG028859.D  
 Acq On : 21 Sep 2017 15:41  
 Operator : SJ/JU  
 Sample : I5308-04  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 220-1-COMP

Quant Time: Sep 21 16:25:35 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 21 12:57:55 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.29  | 152  | 35491    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.11 | 136  | 147999   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.90 | 164  | 105859   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.66 | 188  | 290620   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.98 | 240  | 320884   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.46 | 264  | 312763   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.86  | 112  | 279902   | 130.13 | ng    | 0.00     |
| 7) Phenol-d6                | 7.44  | 99   | 327767   | 101.21 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.46  | 82   | 275675   | 89.11  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 218960   | 125.06 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 728210   | 91.73  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.25 | 244  | 1401671  | 93.15  | ng    | 0.00     |

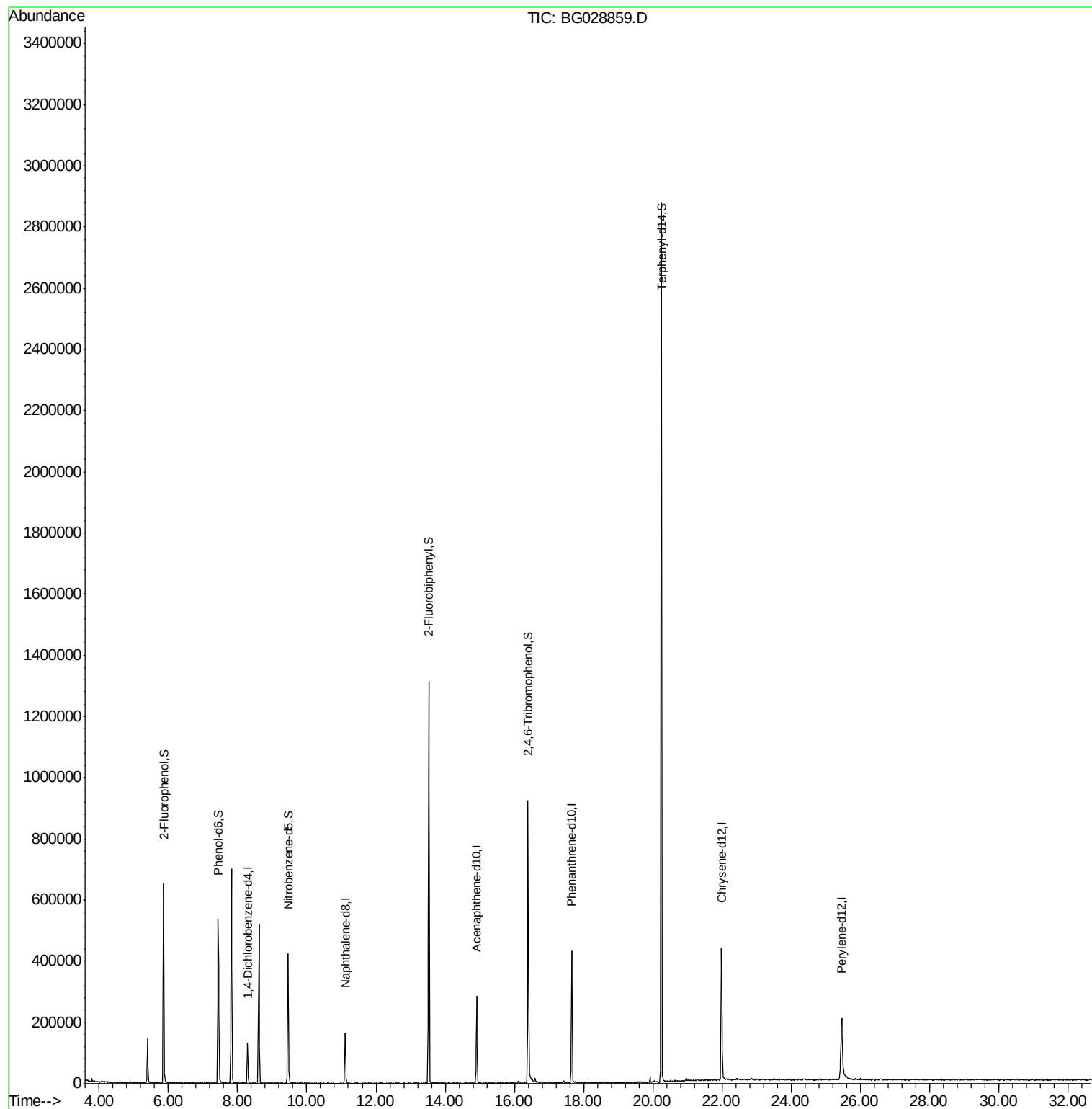
Target Compounds Qvalue

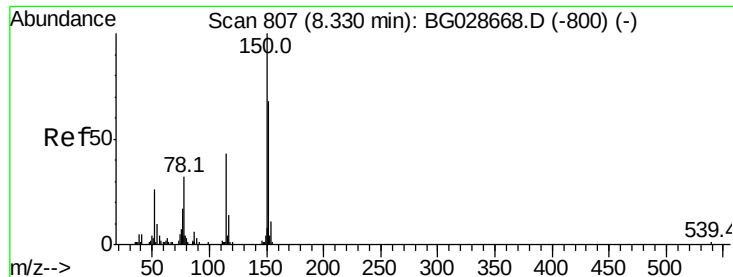
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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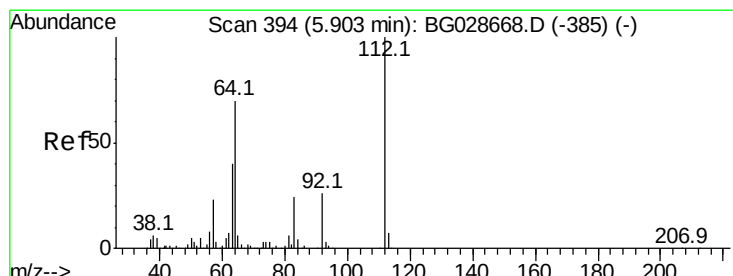
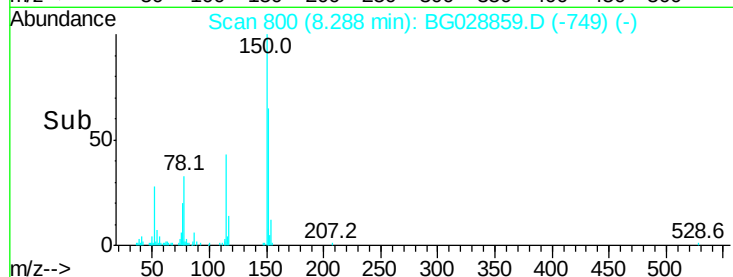
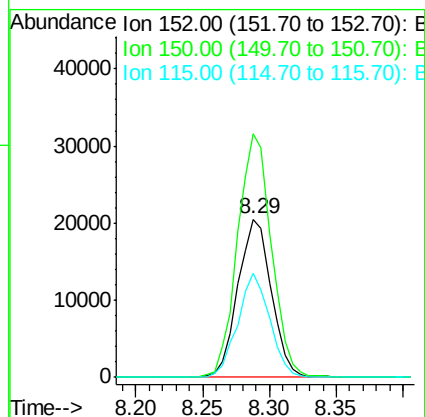
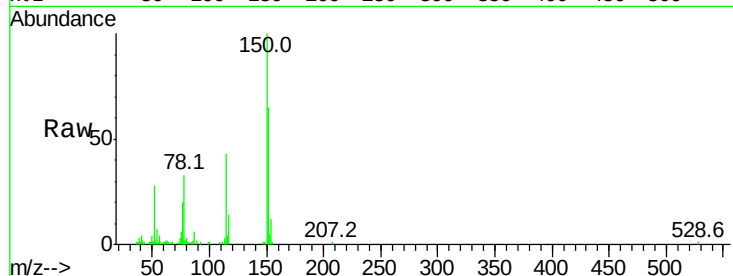


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.29 min Scan# 800  
Delta R.T. 0.00 min  
Lab File: BG028859.D  
Acq: 21 Sep 2017 15:41

Instrument :  
BNA\_G  
ClientSampleId :  
220-1-COMP

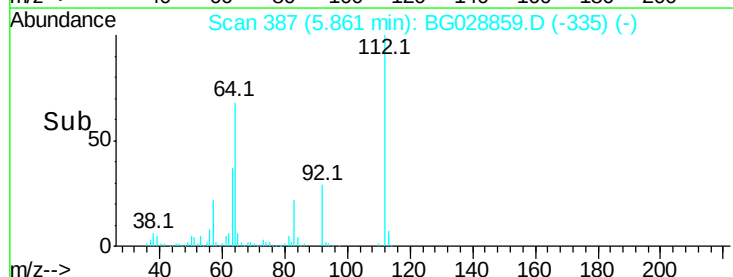
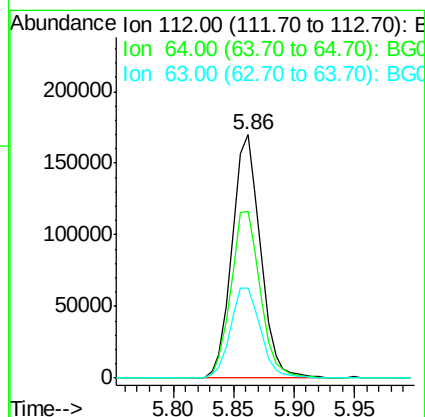
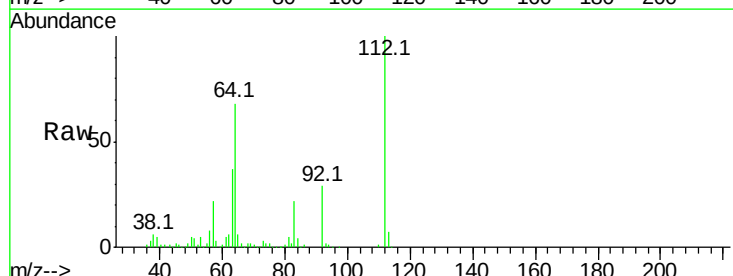
Tot Ion:152 Resp: 35491  
Ion Ratio Lower Upper  
152 100  
150 154.0 114.0 171.0  
115 65.8 48.1 72.1

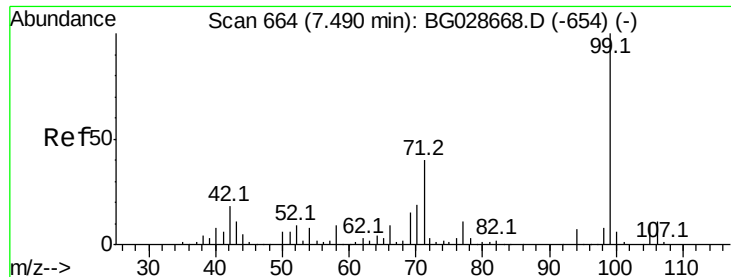


#5

2-Fluorophenol  
Concen: 130.132 ng  
RT: 5.86 min Scan# 387  
Delta R.T. 0.01 min  
Lab File: BG028859.D  
Acq: 21 Sep 2017 15:41

Tgt Ion:112 Resp: 279902  
Ion Ratio Lower Upper  
112 100  
64 68.4 61.8 92.6  
63 36.9 37.2 55.8#





#7

Phenol-d6

Concen: 101.211 ng

RT: 7.44 min Scan# 656

Delta R.T. 0.00 min

Lab File: BG028859.D

Acq: 21 Sep 2017 15:41

Instrument :

BNA\_G

ClientSampleId :

220-1-COMP

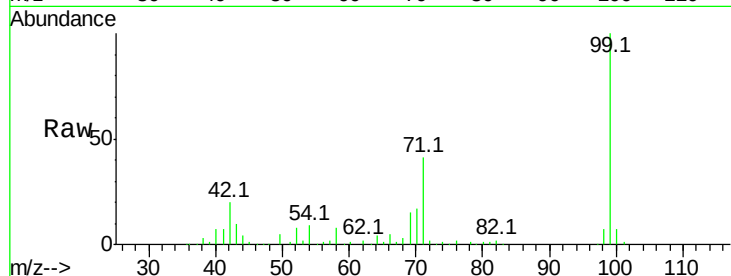
Tot Ion: 99 Resp: 327767

Ion Ratio Lower Upper

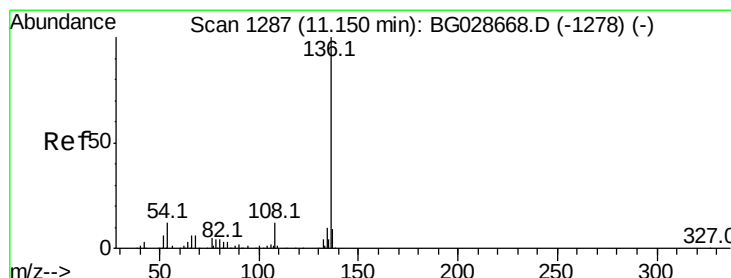
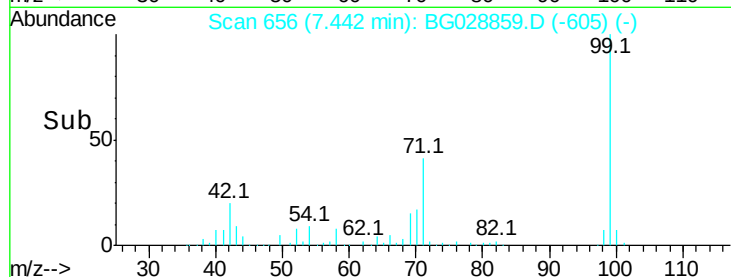
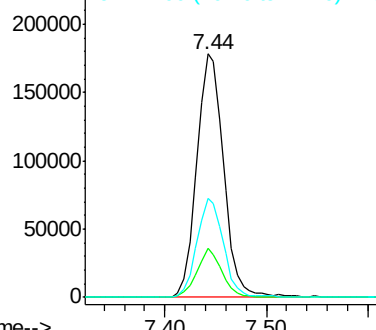
99 100

42 20.0 20.5 30.7#

71 40.6 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. 0.00 min

Lab File: BG028859.D

Acq: 21 Sep 2017 15:41

Tgt Ion: 136 Resp: 147999

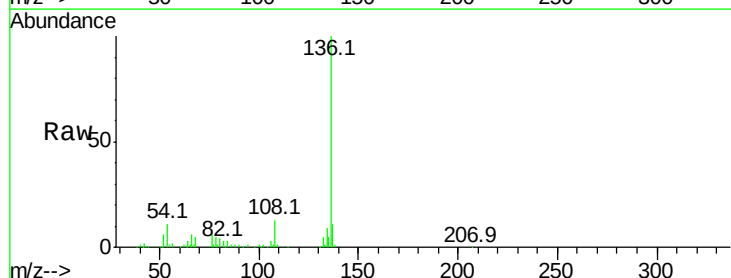
Ion Ratio Lower Upper

136 100

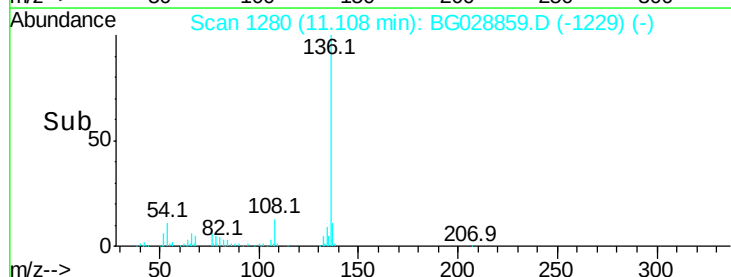
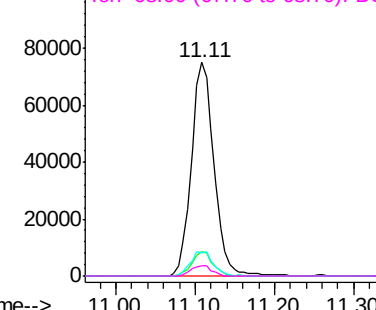
137 11.2 8.9 13.3

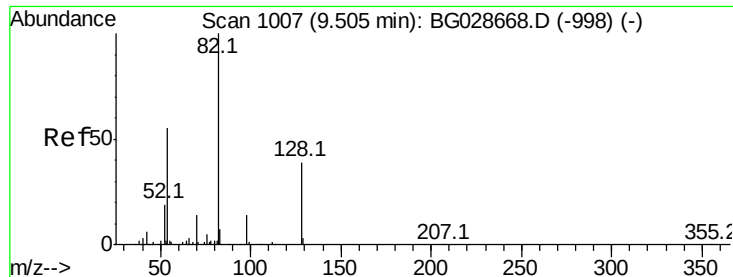
54 11.1 9.3 13.9

68 5.0 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

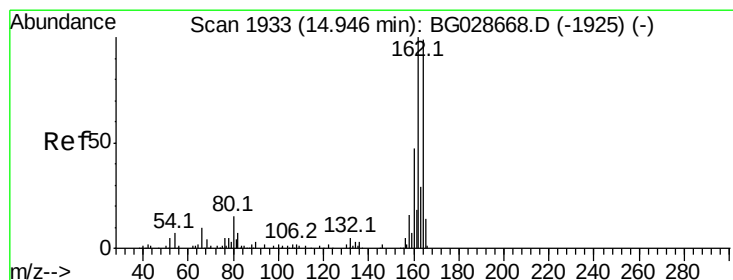
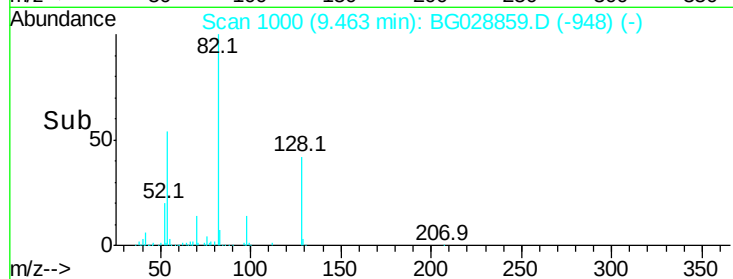
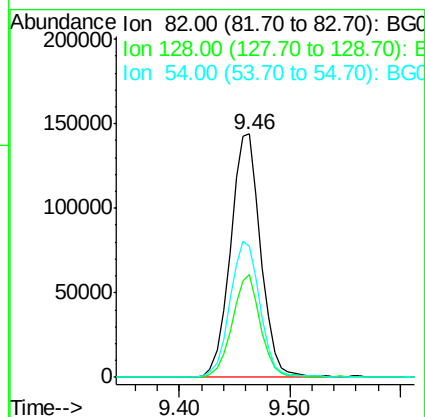
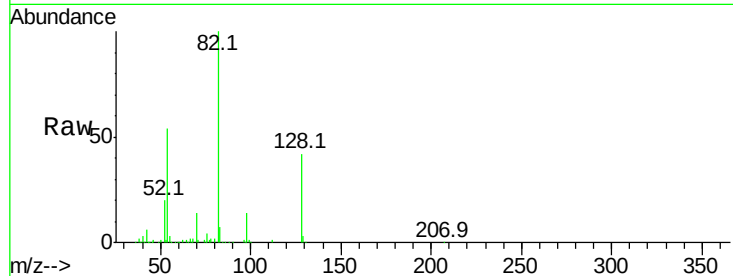




#23  
 Nitrobenzene-d5  
 Concen: 89.106 ng  
 RT: 9.46 min Scan# 1000  
 Delta R.T. 0.01 min  
 Lab File: BG028859.D  
 Acq: 21 Sep 2017 15:41

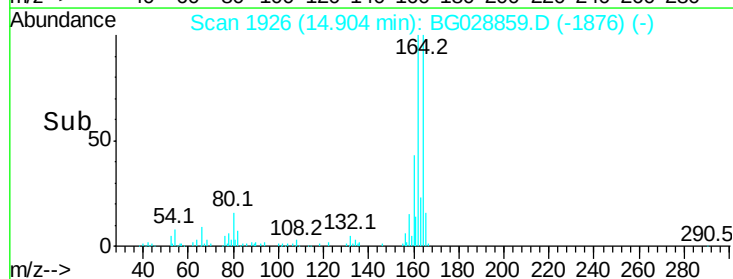
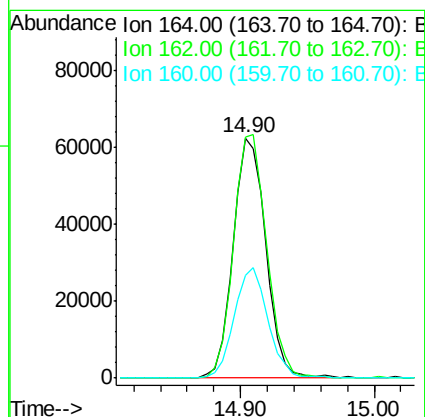
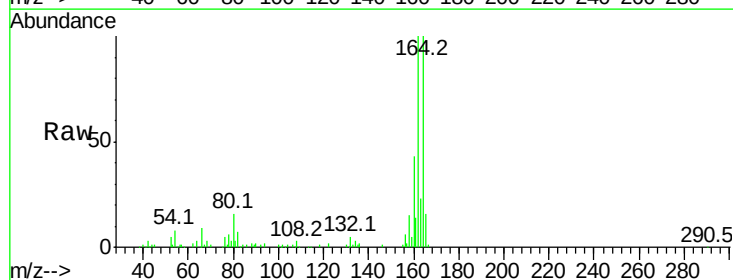
Instrument :  
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 220-1-COMP

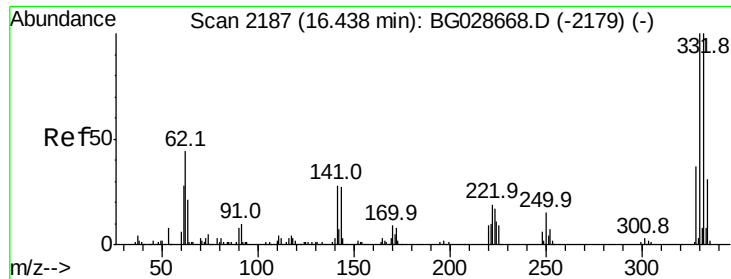
| Tot Ion | 82    | Resp  | 275675 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 42.0  | 26.4  | 39.6   |
| 54      | 53.9  | 49.4  | 74.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.90 min Scan# 1926  
 Delta R.T. -0.01 min  
 Lab File: BG028859.D  
 Acq: 21 Sep 2017 15:41

| Tgt Ion | 164   | Resp  | 105859 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 164     | 100   |       |        |
| 162     | 100.2 | 85.1  | 127.7  |
| 160     | 42.7  | 34.7  | 52.1   |

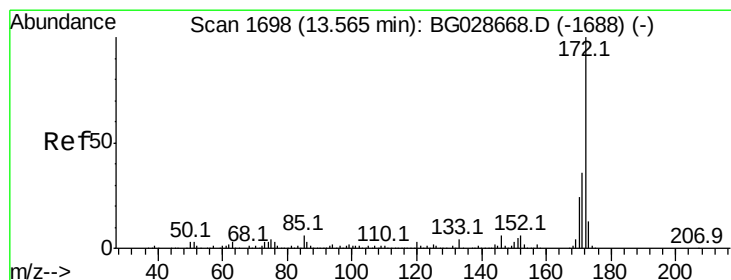
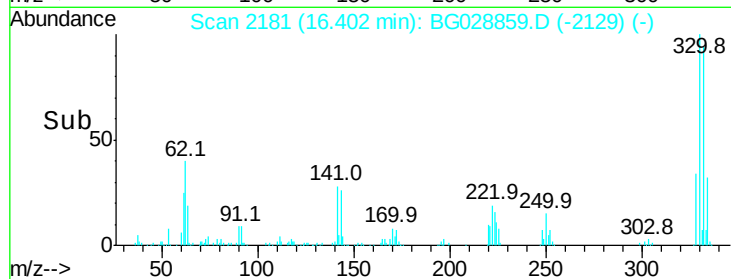
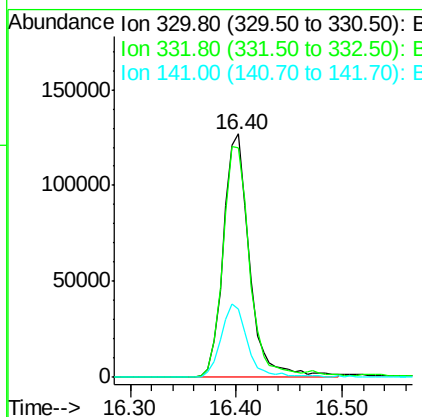
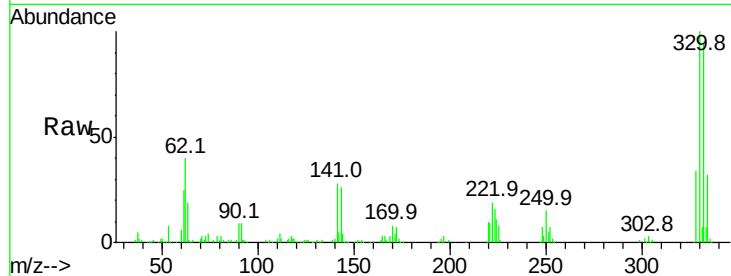




#41  
 2,4,6-Tribromophenol  
 Concen: 125.060 ng  
 RT: 16.40 min Scan# 2181  
 Delta R.T. 0.01 min  
 Lab File: BG028859.D  
 Acq: 21 Sep 2017 15:41

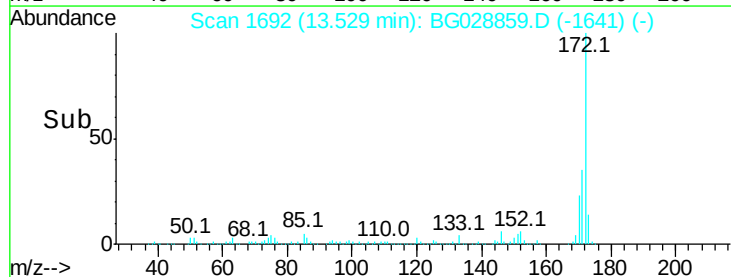
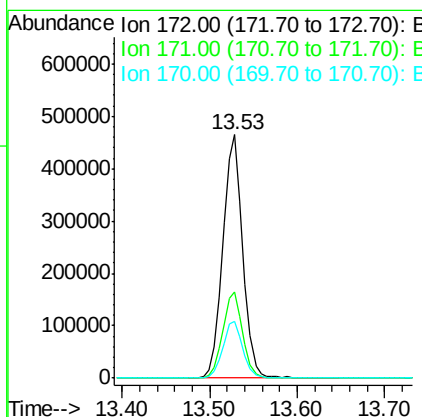
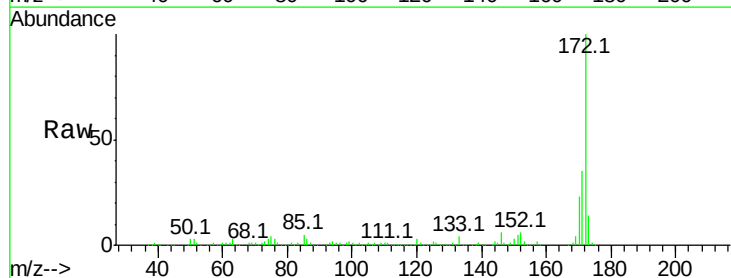
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 ClientSampleId :  
 220-1-COMP

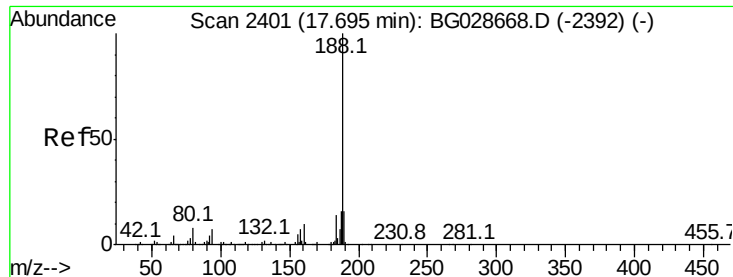
Tot Ion:330 Resp: 218960  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 77.3 115.9  
 141 29.7 32.1 48.1#



#44  
 2-Fluorobiphenyl  
 Concen: 91.727 ng  
 RT: 13.53 min Scan# 1692  
 Delta R.T. 0.00 min  
 Lab File: BG028859.D  
 Acq: 21 Sep 2017 15:41

Tgt Ion:172 Resp: 728210  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 32.2 48.2  
 170 23.1 21.8 32.6

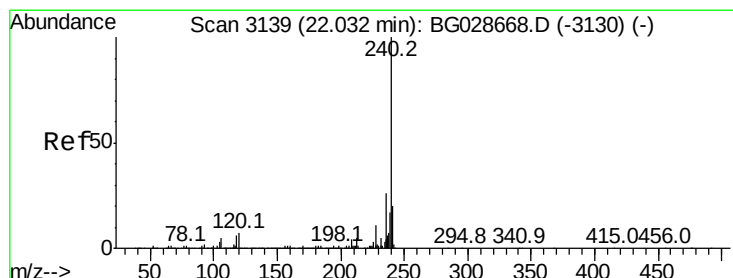
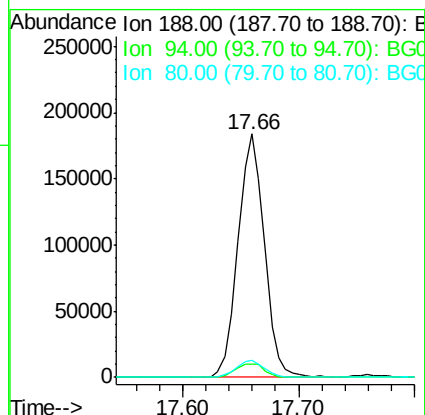
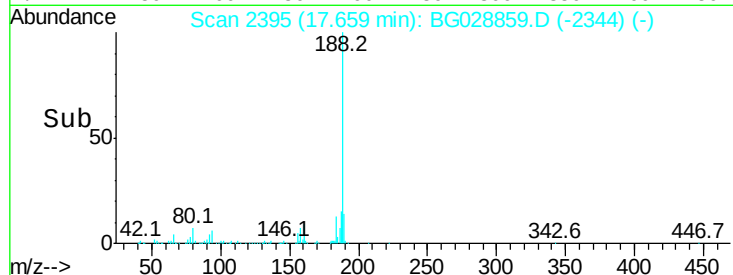
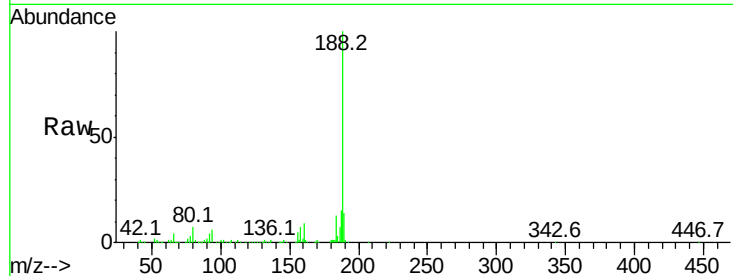




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.66 min Scan# 2395  
Delta R.T. 0.00 min  
Lab File: BG028859.D  
Acq: 21 Sep 2017 15:41

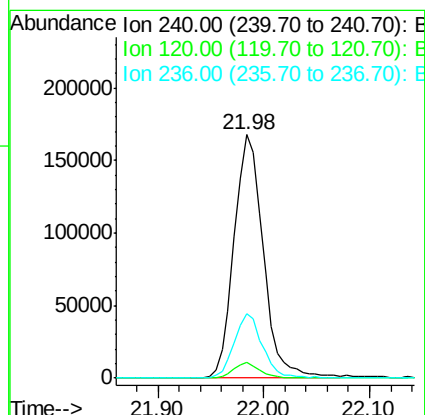
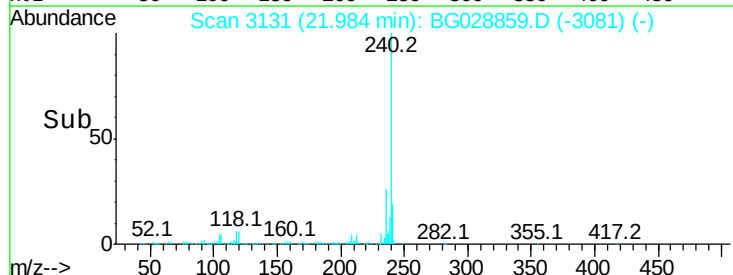
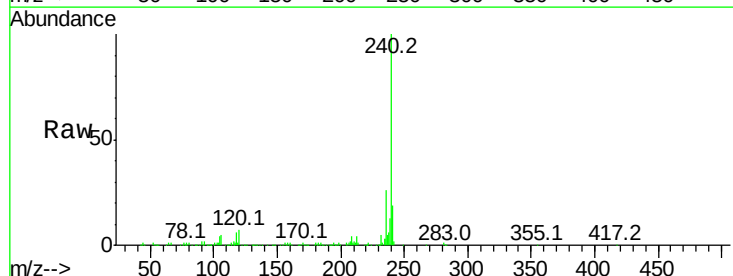
Instrument :  
BNA\_G  
ClientSampleId :  
220-1-COMP

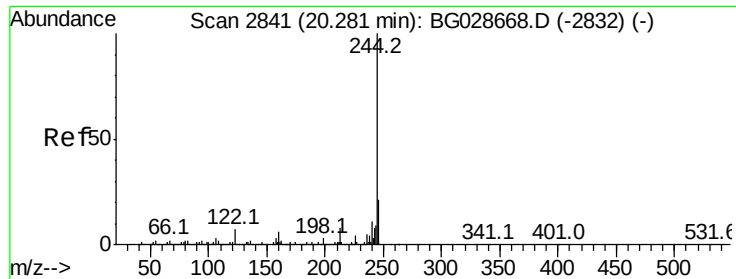
Tot Ion:188 Resp: 290620  
Ion Ratio Lower Upper  
188 100  
94 5.7 5.8 8.8#  
80 6.8 7.5 11.3#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.98 min Scan# 3131  
Delta R.T. -0.01 min  
Lab File: BG028859.D  
Acq: 21 Sep 2017 15:41

Tgt Ion:240 Resp: 320884  
Ion Ratio Lower Upper  
240 100  
120 6.5 5.7 8.5  
236 26.2 22.2 33.4





#78

Terphenyl-d14

Concen: 93.154 ng

RT: 20.25 min Scan# 2836

Delta R.T. 0.01 min

Lab File: BG028859.D

Acq: 21 Sep 2017 15:41

Instrument :

BNA\_G

ClientSampled :

220-1-COMP

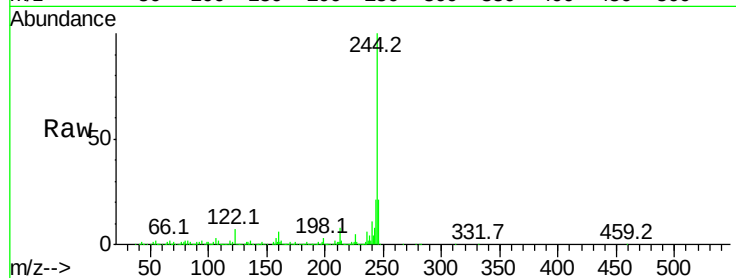
Tot Ion:244 Resp: 1401671

Ion Ratio Lower Upper

244 100

212 7.9 10.0 15.0#

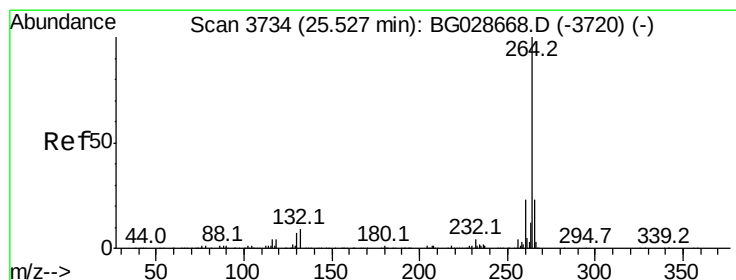
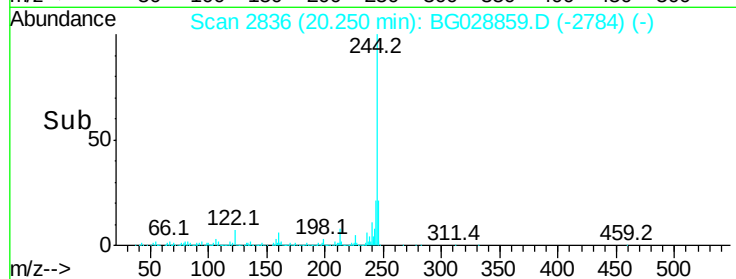
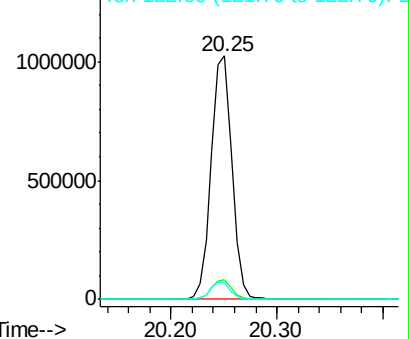
122 7.0 8.6 12.8#



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: 25.46 min Scan# 3723

Delta R.T. 0.01 min

Lab File: BG028859.D

Acq: 21 Sep 2017 15:41

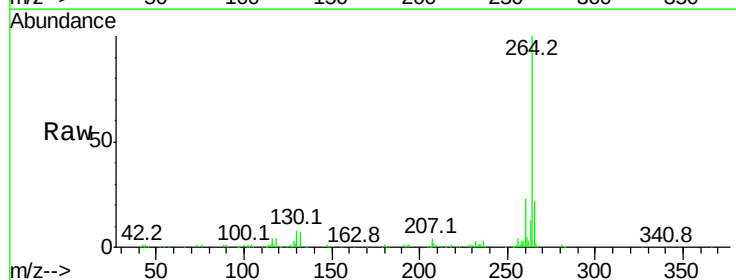
Tgt Ion:264 Resp: 312763

Ion Ratio Lower Upper

264 100

260 22.9 21.8 32.8

265 22.4 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

