

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092517\  
 Data File : BG028940.D  
 Acq On : 26 Sep 2017 12:28  
 Operator : SJ/JU  
 Sample : I5385-06  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 092117-SIDI-F-U-S

Quant Time: Sep 26 13:48:45 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 26 12:06:14 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.28  | 152  | 23200    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.10 | 136  | 91159    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.89 | 164  | 69853    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.64 | 188  | 220943   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.97 | 240  | 263258   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.42 | 264  | 271716   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.84  | 112  | 71237    | 50.67  | ng    | 0.00     |
| 7) Phenol-d6                | 7.44  | 99   | 61314    | 28.96  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.45  | 82   | 205868   | 108.03 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.38 | 330  | 146178   | 126.53 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.52 | 172  | 554540   | 105.86 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.23 | 244  | 1346934  | 109.11 | ng    | 0.00     |

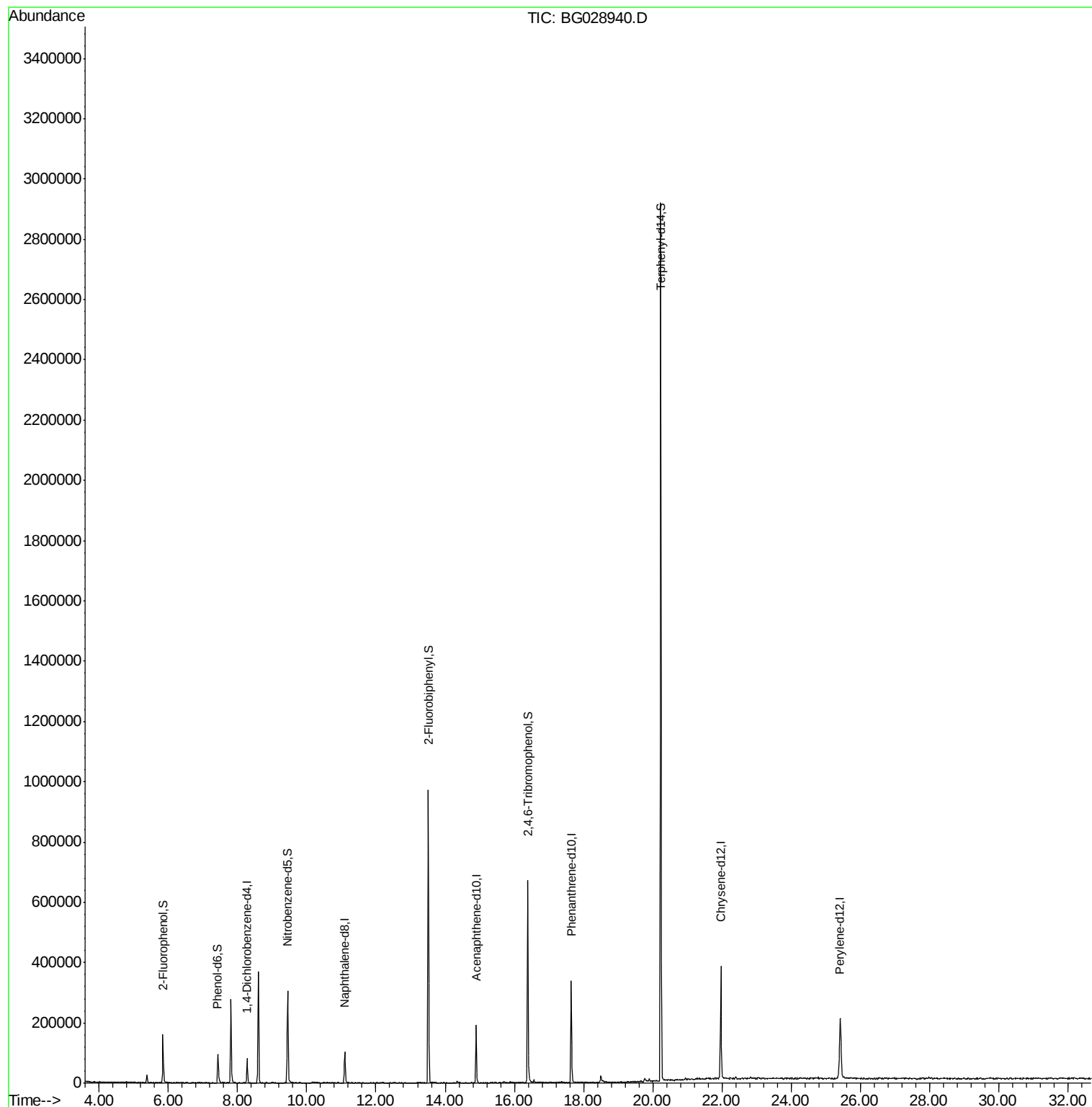
Target Compounds Qvalue

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

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092517\  
Data File : BG028940.D  
Acq On : 26 Sep 2017 12:28  
Operator : SJ/JU  
Sample : I5385-06  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
092117-SIDI-F-U-S

Quant Time: Sep 26 13:48:45 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 26 12:06:14 2017  
Response via : Initial Calibration



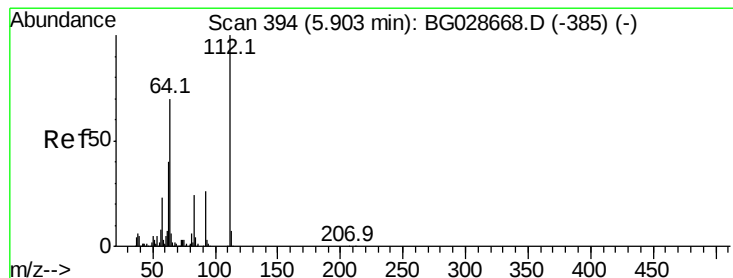
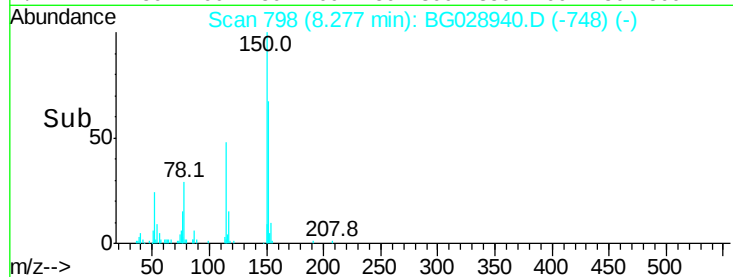
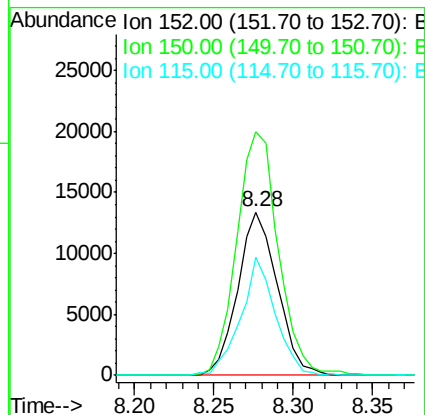
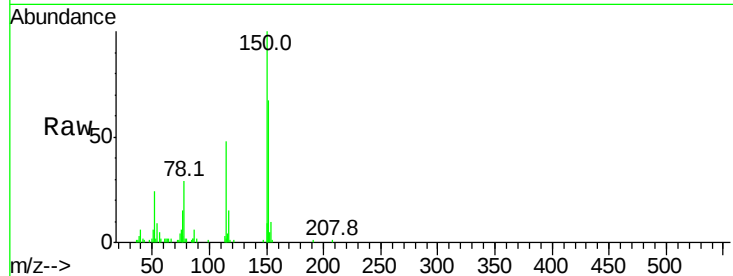


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.28 min Scan# 798  
Delta R.T. -0.01 min  
Lab File: BG028940.D  
Acq: 26 Sep 2017 12:28

Instrument :  
BNA\_G  
ClientSampleId :  
092117-SIDI-F-U-S

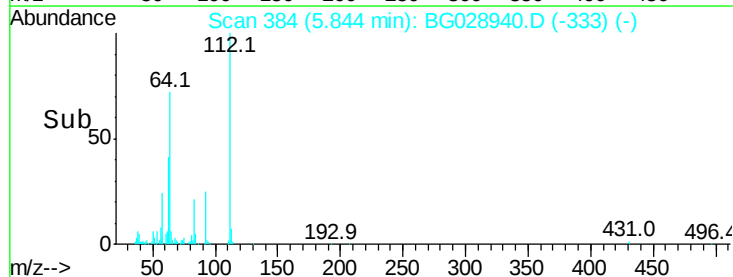
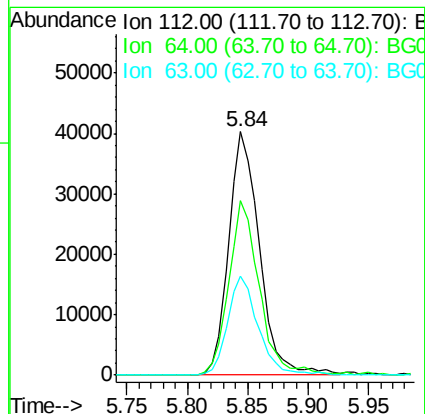
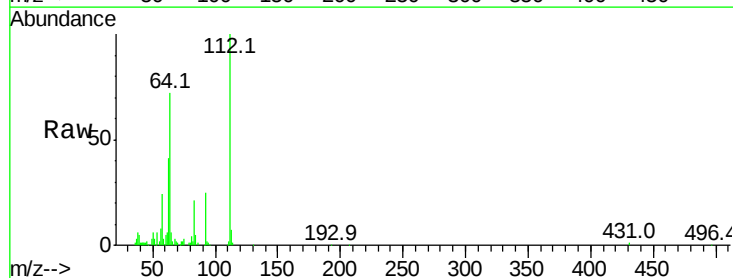
Tot Ion:152 Resp: 23200  
Ion Ratio Lower Upper  
152 100  
150 149.1 114.0 171.0  
115 72.0 48.1 72.1

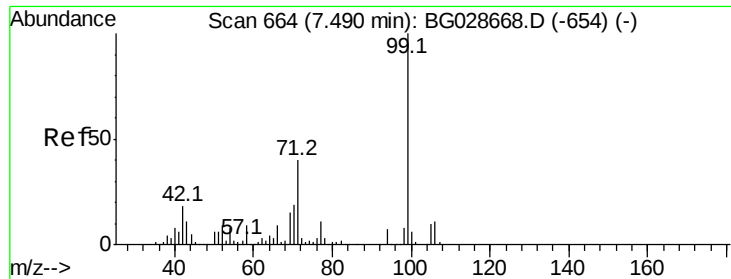


#5

2-Fluorophenol  
Concen: 50.666 ng  
RT: 5.84 min Scan# 384  
Delta R.T. 0.00 min  
Lab File: BG028940.D  
Acq: 26 Sep 2017 12:28

Tgt Ion:112 Resp: 71237  
Ion Ratio Lower Upper  
112 100  
64 71.6 61.8 92.6  
63 40.8 37.2 55.8





#7

Phenol-d6

Concen: 28.964 ng

RT: 7.44 min Scan# 655

Delta R.T. 0.00 min

Lab File: BG028940.D

Acq: 26 Sep 2017 12:28

Instrument :

BNA\_G

ClientSampleId :

092117-SIDI-F-U-S

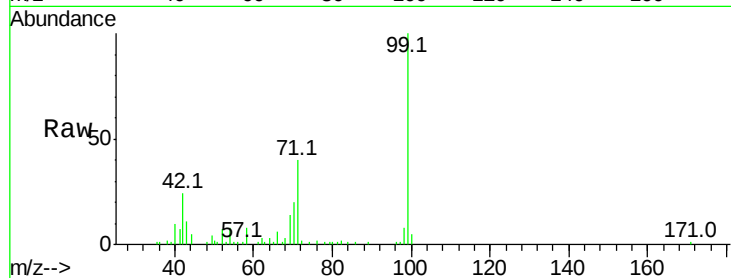
Tot Ion: 99 Resp: 61314

Ion Ratio Lower Upper

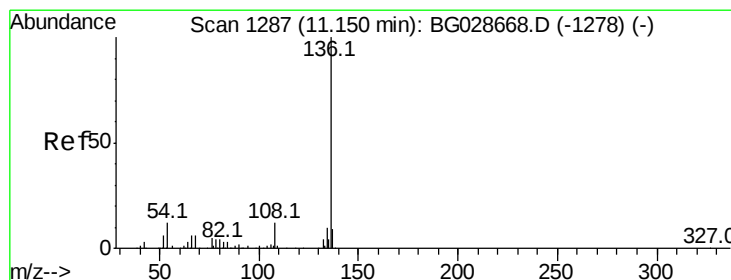
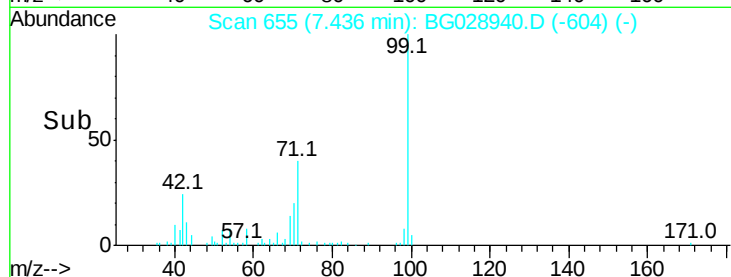
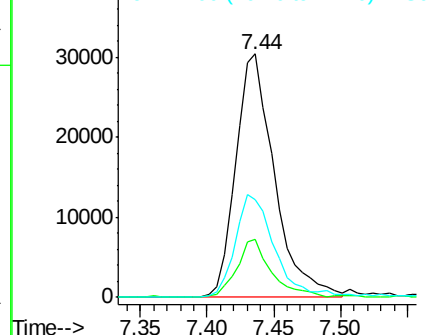
99 100

42 23.6 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: 11.10 min Scan# 1279

Delta R.T. 0.01 min

Lab File: BG028940.D

Acq: 26 Sep 2017 12:28

Tgt Ion: 136 Resp: 91159

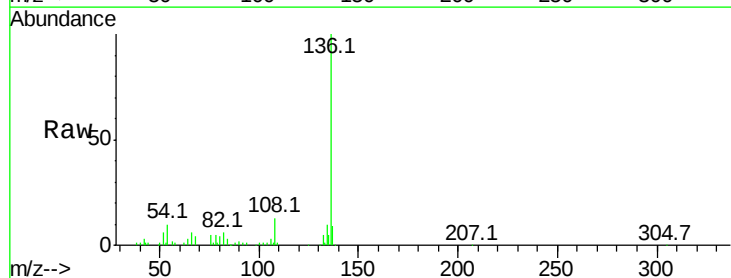
Ion Ratio Lower Upper

136 100

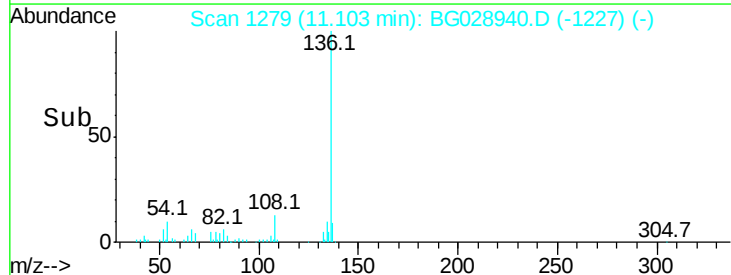
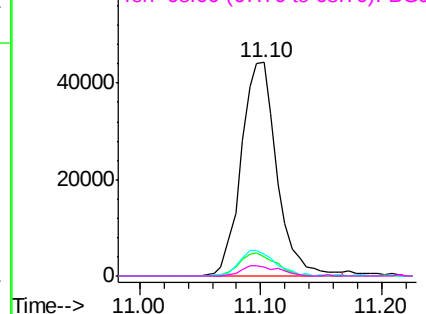
137 9.2 8.9 13.3

54 10.4 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

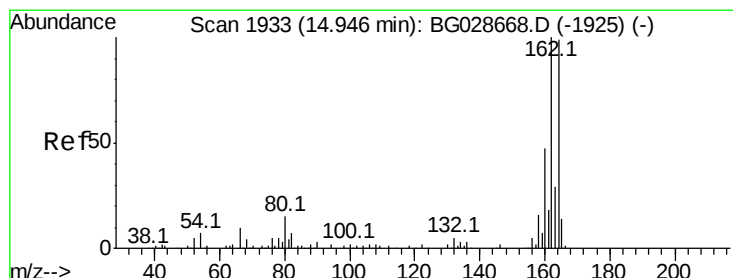
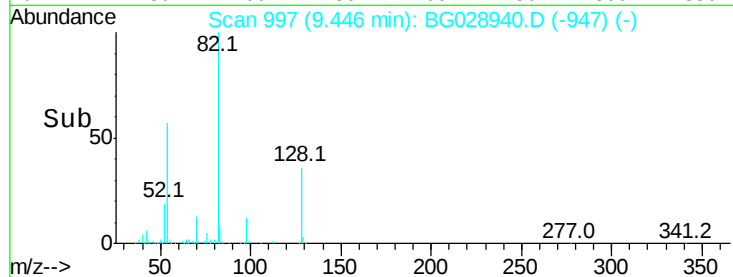
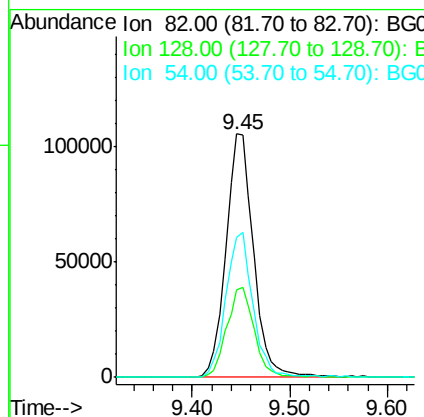
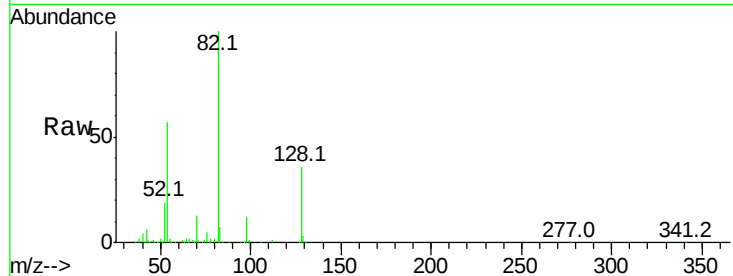




#23  
 Nitrobenzene-d5  
 Concen: 108.033 ng  
 RT: 9.45 min Scan# 997  
 Delta R.T. -0.01 min  
 Lab File: BG028940.D  
 Acq: 26 Sep 2017 12:28

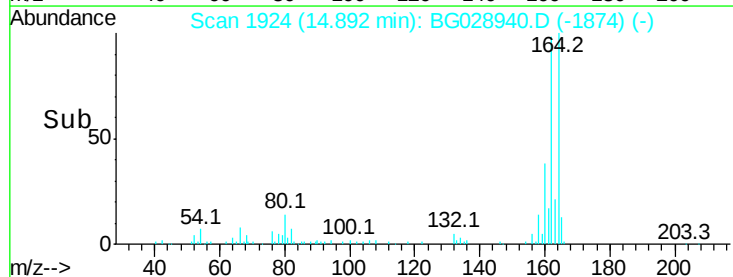
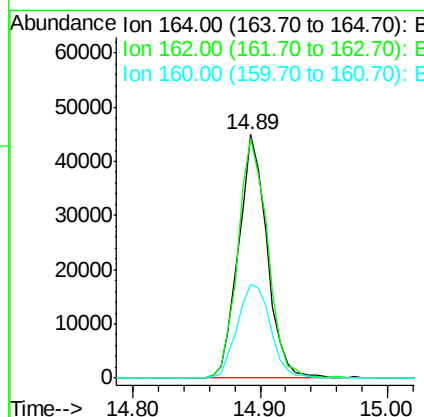
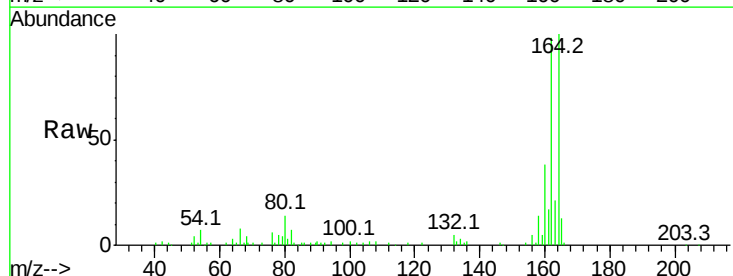
Instrument :  
 BNA\_G  
 ClientSampleId :  
 092117-SIDI-F-U-S

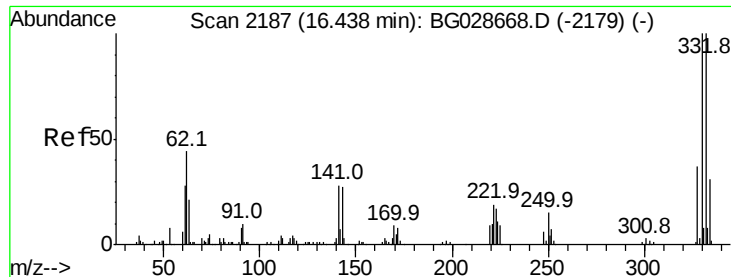
| Tot Ion   | 82    | Resp  | 205868 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.9  | 26.4  | 39.6   |
| 54        | 57.3  | 49.4  | 74.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.89 min Scan# 1924  
 Delta R.T. -0.01 min  
 Lab File: BG028940.D  
 Acq: 26 Sep 2017 12:28

| Tgt Ion   | 164   | Resp  | 69853 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 98.3  | 85.1  | 127.7 |
| 160       | 38.4  | 34.7  | 52.1  |

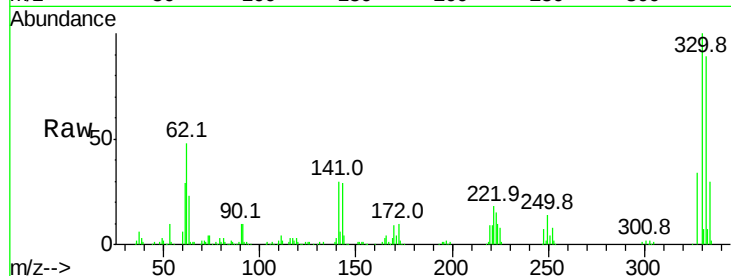




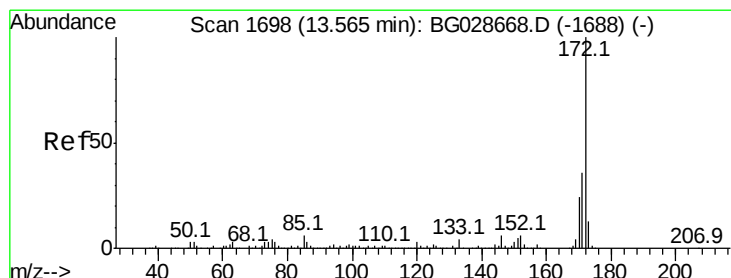
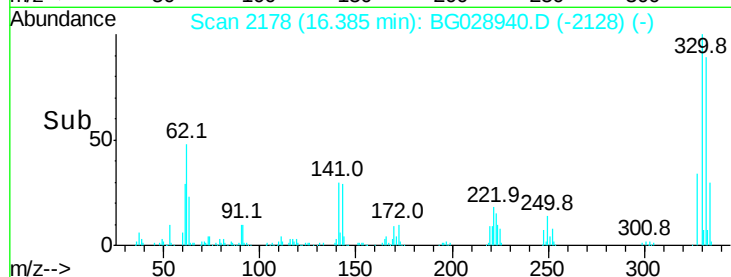
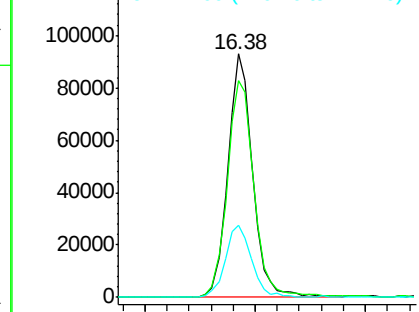
#41  
 2,4,6-Tribromophenol  
 Concen: 126.525 ng  
 RT: 16.38 min Scan# 2178  
 Delta R.T. -0.01 min  
 Lab File: BG028940.D  
 Acq: 26 Sep 2017 12:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 092117-SIDI-F-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.3  | 115.9 |
| 141     | 31.6  | 32.1  | 48.1# |

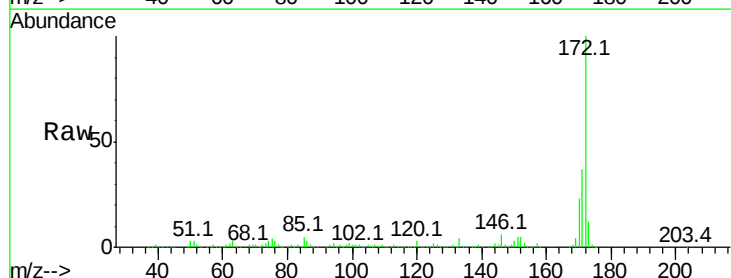


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

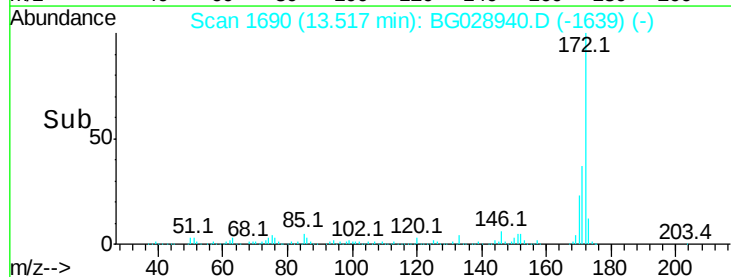
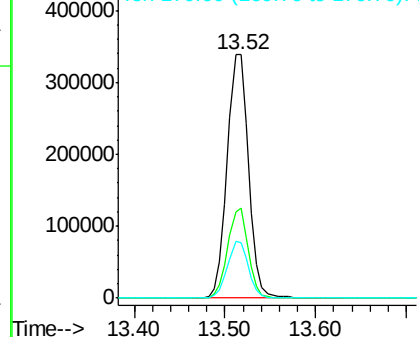


#44  
 2-Fluorobiphenyl  
 Concen: 105.856 ng  
 RT: 13.52 min Scan# 1690  
 Delta R.T. 0.00 min  
 Lab File: BG028940.D  
 Acq: 26 Sep 2017 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 32.2  | 48.2  |
| 170     | 22.5  | 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: 20.000 ng

RT: 17.64 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BG028940.D

Acq: 26 Sep 2017 12:28

Instrument :

BNA\_G

ClientSampleId :

092117-SIDI-F-U-S

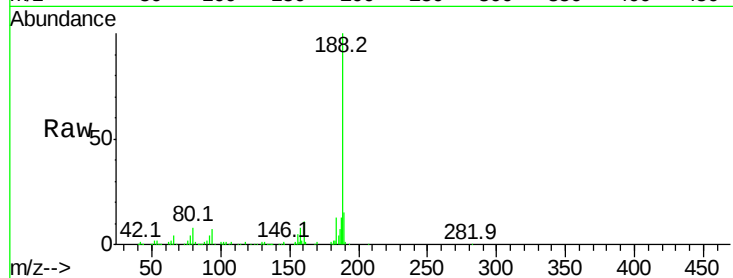
Tot Ion:188 Resp: 220943

Ion Ratio Lower Upper

188 100

94 6.6 5.8 8.8

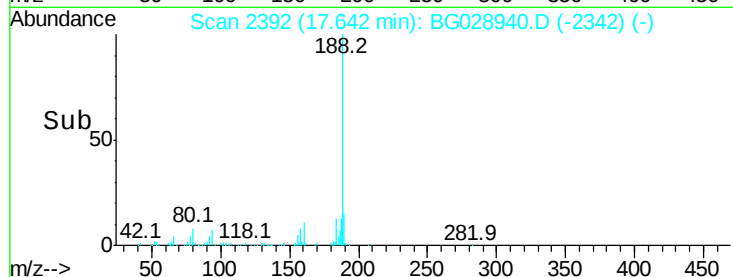
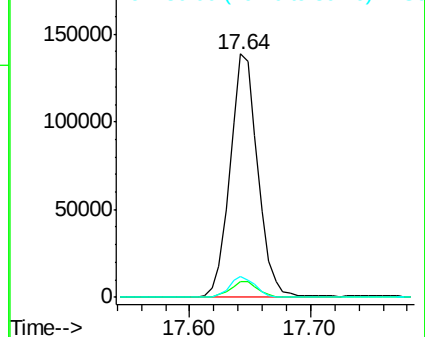
80 8.4 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.97 min Scan# 3128

Delta R.T. 0.00 min

Lab File: BG028940.D

Acq: 26 Sep 2017 12:28

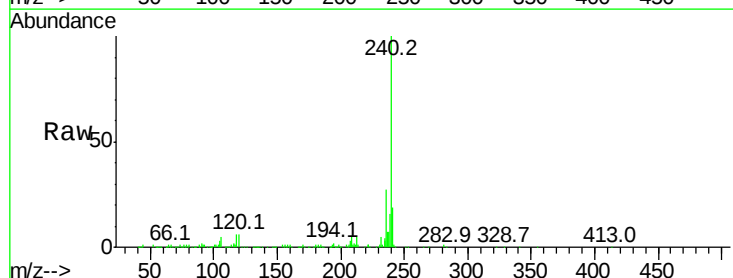
Tgt Ion:240 Resp: 263258

Ion Ratio Lower Upper

240 100

120 6.4 5.7 8.5

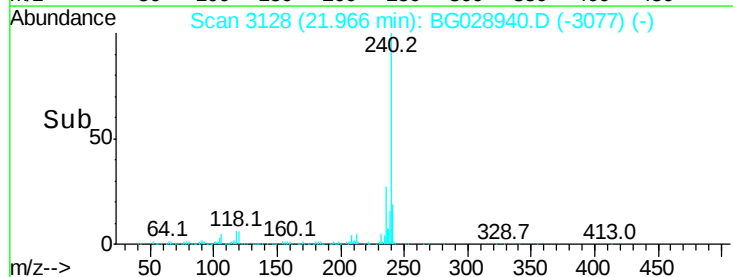
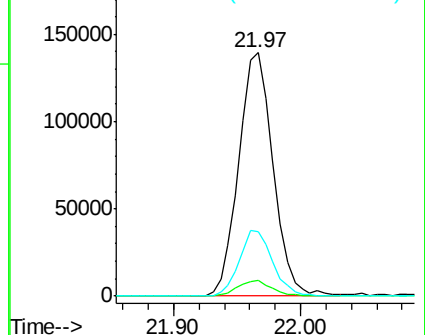
236 26.7 22.2 33.4

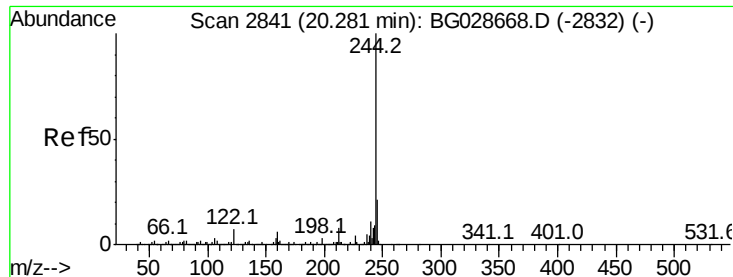


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 109.111 ng

RT: 20.23 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BG028940.D

Acq: 26 Sep 2017 12:28

Instrument :

BNA\_G

ClientSampleId :

092117-SIDI-F-U-S

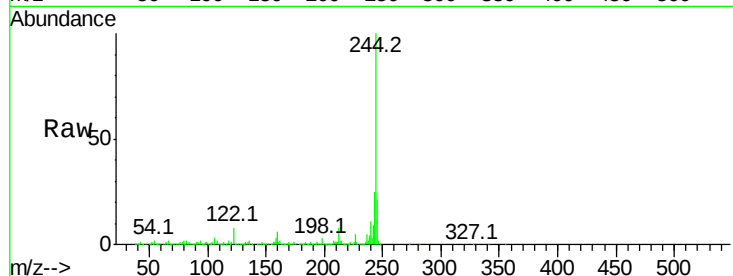
Tot Ion:244 Resp: 1346934

Ion Ratio Lower Upper

244 100

212 7.7 10.0 15.0#

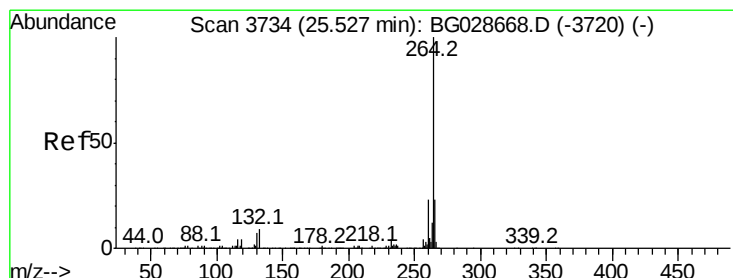
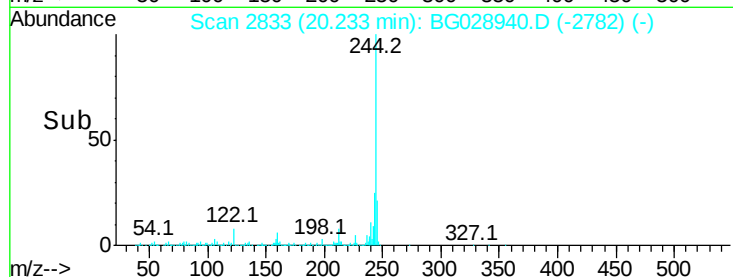
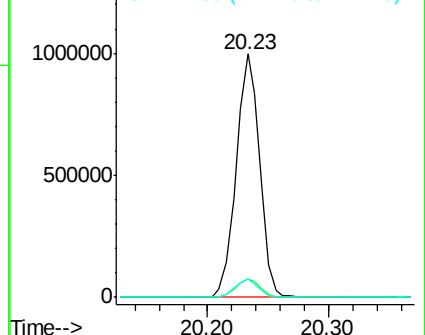
122 7.6 8.6 12.8#



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: 20.000 ng

RT: 25.42 min Scan# 3716

Delta R.T. 0.01 min

Lab File: BG028940.D

Acq: 26 Sep 2017 12:28

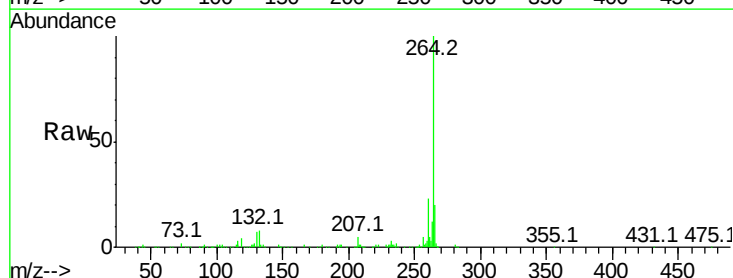
Tgt Ion:264 Resp: 271716

Ion Ratio Lower Upper

264 100

260 23.0 21.8 32.8

265 20.2 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

