

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091417\  
 Data File : BG028752.D  
 Acq On : 15 Sep 2017 4:00  
 Operator : SJ/JU  
 Sample : I5224-03  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 091117-SIDI-E-D-S

Quant Time: Sep 15 09:15:37 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

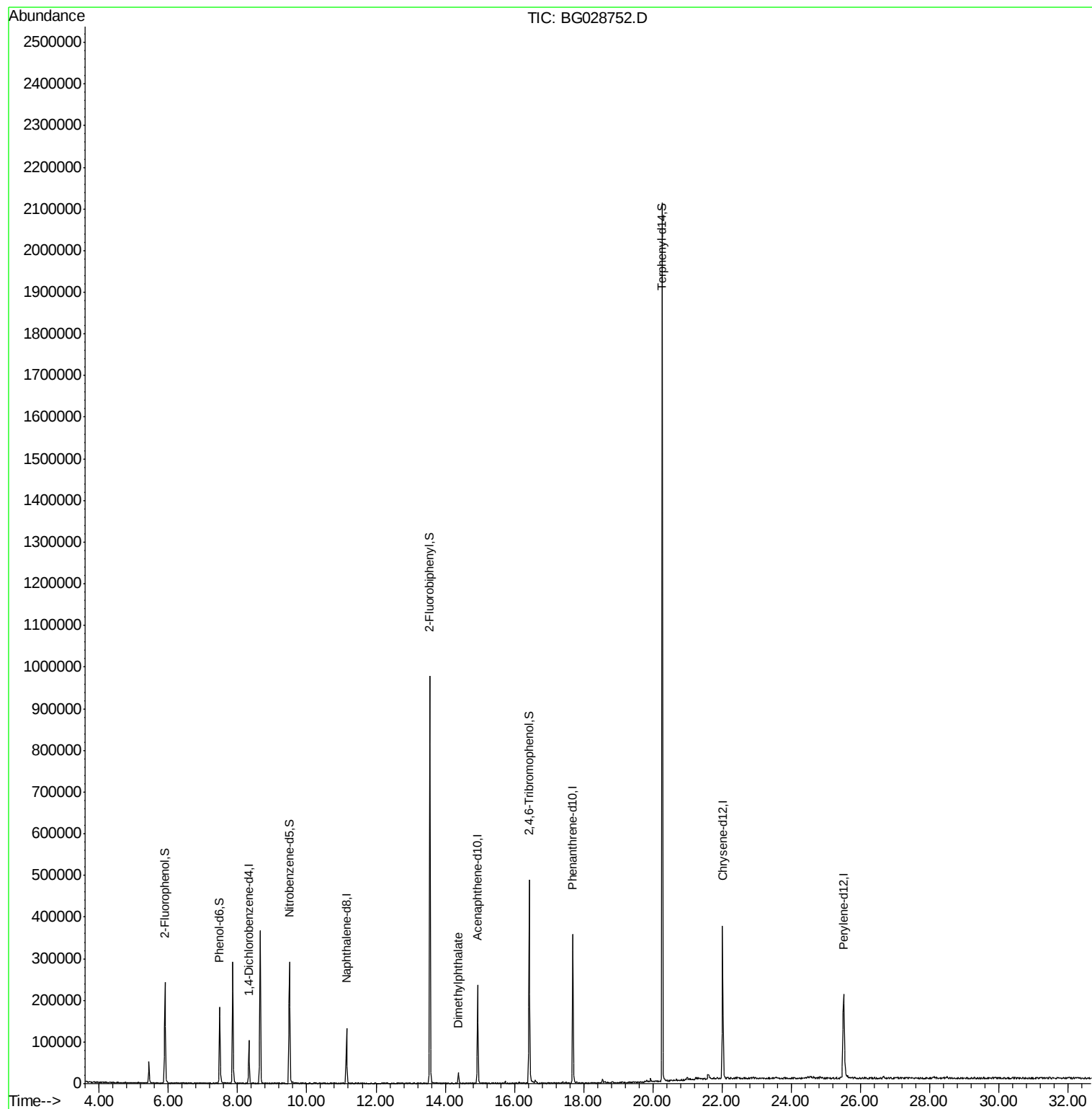
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.33  | 152  | 30538    | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 11.15 | 136  | 119715   | 20.00 | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.94 | 164  | 90486    | 20.00 | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.69 | 188  | 243294   | 20.00 | ng    | 0.00         |
| 75) Chrysene-d12            | 22.02 | 240  | 262444   | 20.00 | ng    | -0.01        |
| 86) Perylene-d12            | 25.51 | 264  | 264476   | 20.00 | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.90  | 112  | 102622   | 55.45 | ng    | 0.00         |
| 7) Phenol-d6                | 7.48  | 99   | 116300   | 41.74 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.50  | 82   | 194871   | 77.87 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.43 | 330  | 116723   | 77.99 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.56 | 172  | 528442   | 77.87 | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.27 | 244  | 955560   | 77.65 | ng    | 0.00         |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 14.38 | 163  | 22497    | 2.965 | ng    | Qvalue<br>98 |

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

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091117-SIDI-E-D-S

Quant Time: Sep 15 09:15:37 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
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QLast Update : Tue Sep 12 16:57:11 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.33 min Scan# 807

Delta R.T. -0.00 min

Lab File: BG028752.D

Acq: 15 Sep 2017 4:00

Instrument :

BNA\_G

ClientSampleId :

091117-SIDI-E-D-S

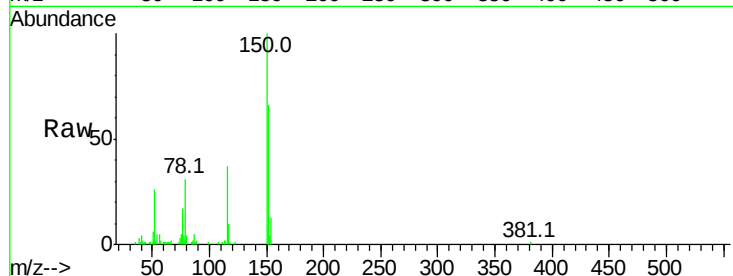
Tot Ion:152 Resp: 30538

Ion Ratio Lower Upper

152 100

150 152.2 114.0 171.0

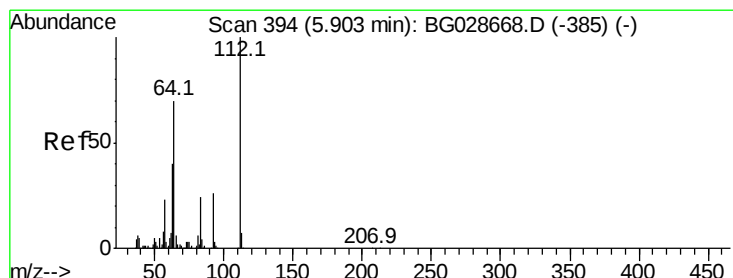
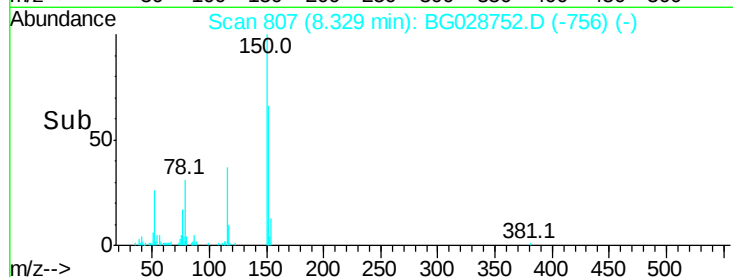
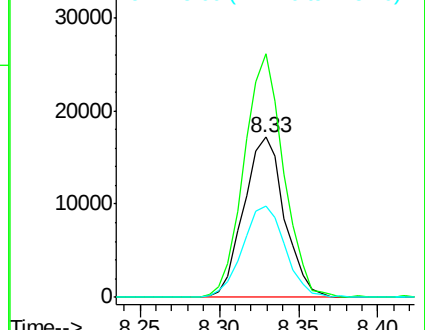
115 57.0 48.1 72.1



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: 55.449 ng

RT: 5.90 min Scan# 394

Delta R.T. -0.00 min

Lab File: BG028752.D

Acq: 15 Sep 2017 4:00

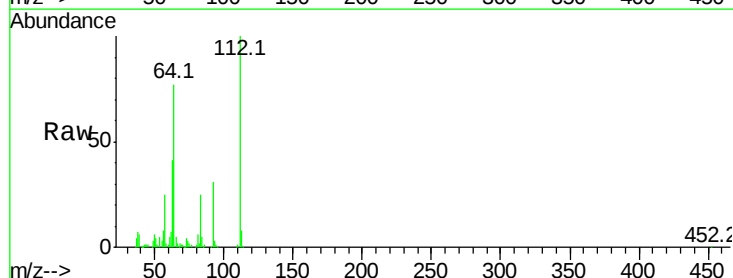
Tgt Ion:112 Resp: 102622

Ion Ratio Lower Upper

112 100

64 76.8 61.8 92.6

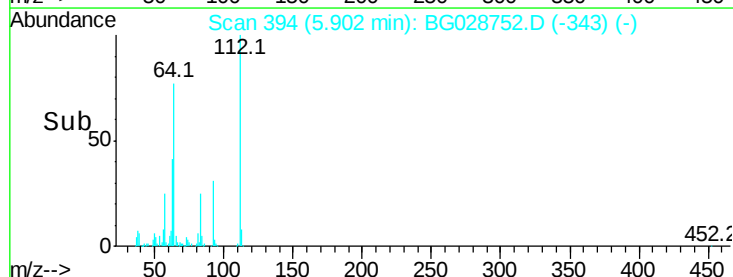
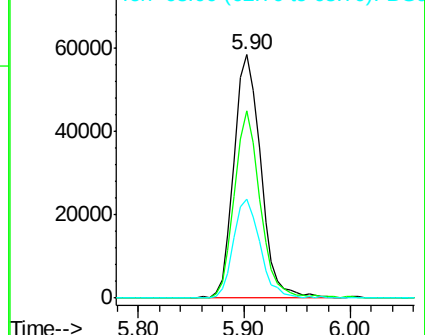
63 40.9 37.2 55.8

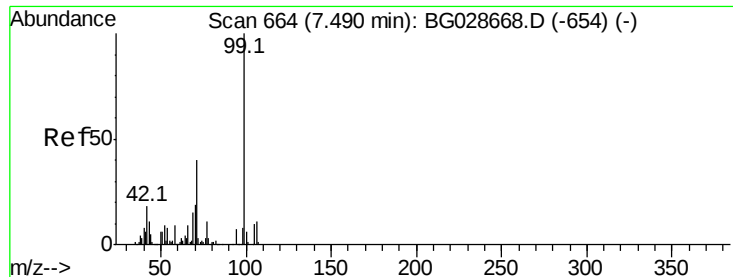


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 41.737 ng

RT: 7.48 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG028752.D

Acq: 15 Sep 2017 4:00

Instrument :

BNA\_G

ClientSampleId :

091117-SIDI-E-D-S

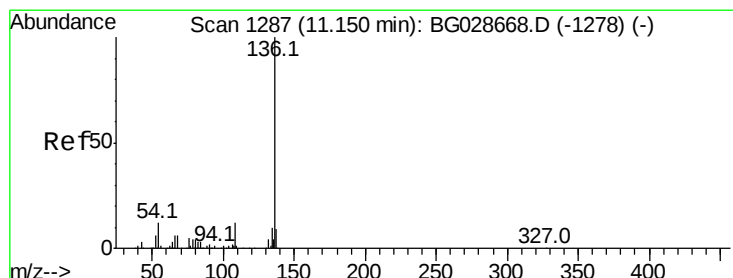
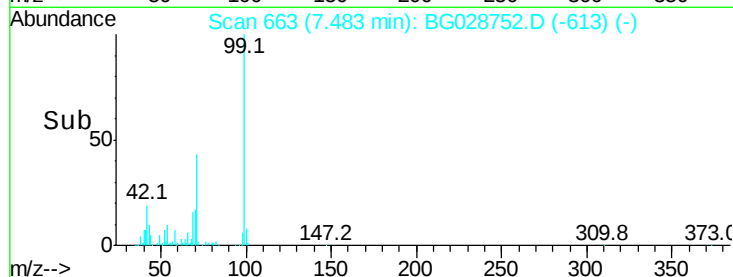
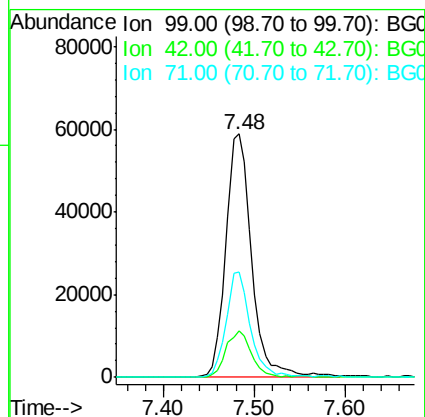
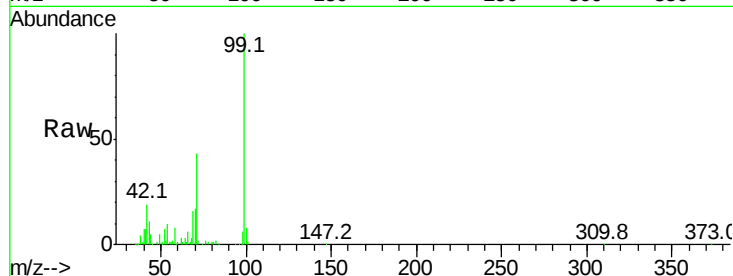
Tot Ion: 99 Resp: 116300

Ion Ratio Lower Upper

99 100

42 19.2 20.5 30.7#

71 43.3 37.6 56.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.15 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BG028752.D

Acq: 15 Sep 2017 4:00

Tgt Ion: 136 Resp: 119715

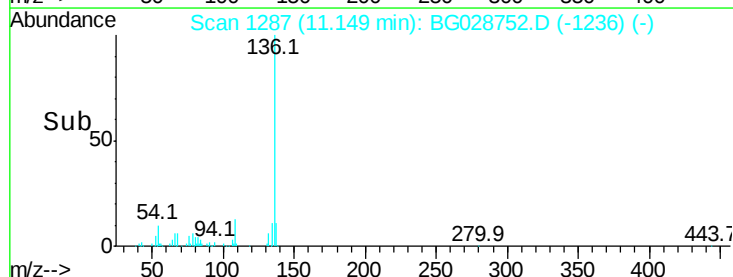
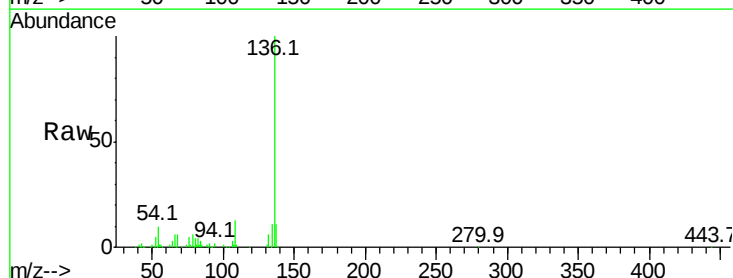
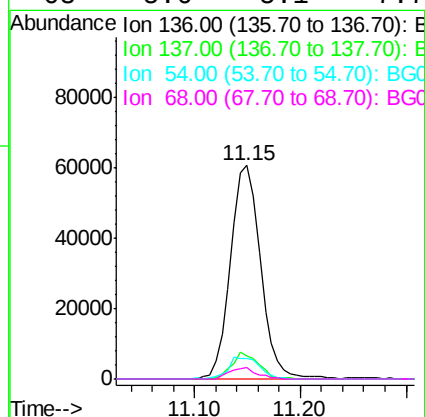
Ion Ratio Lower Upper

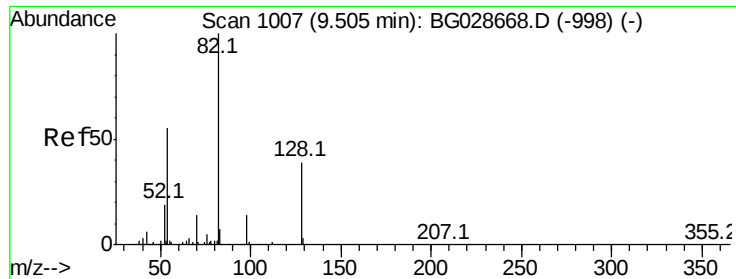
136 100

137 10.9 8.9 13.3

54 9.8 9.3 13.9

68 5.6 5.1 7.7

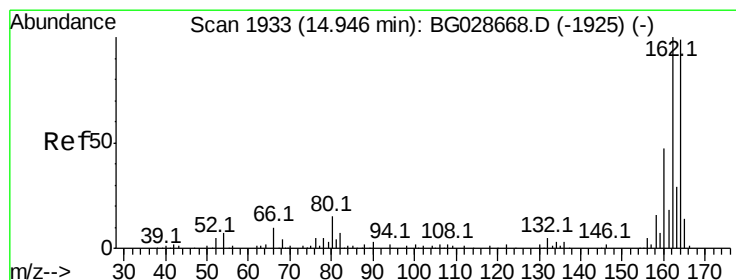
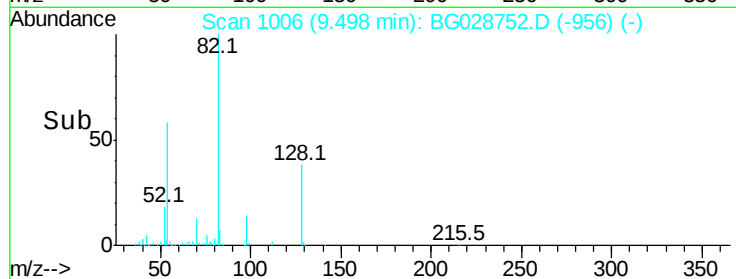
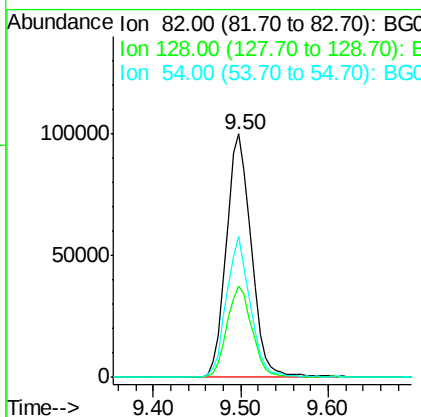
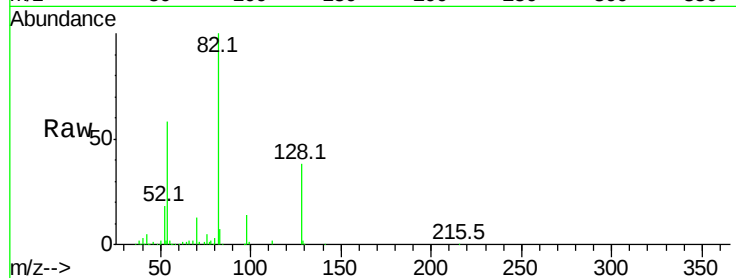




#23  
Nitrobenzene-d5  
Concen: 77.869 ng  
RT: 9.50 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: BG028752.D  
Acq: 15 Sep 2017 4:00

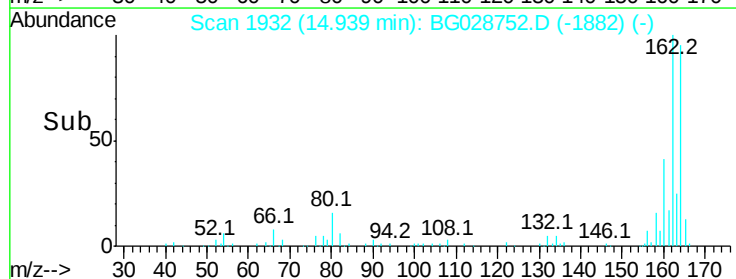
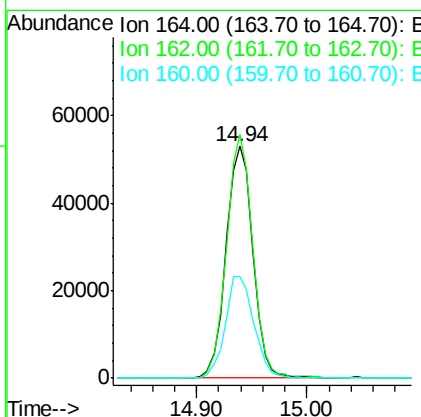
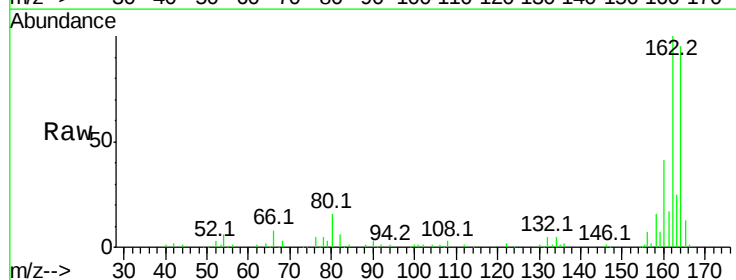
Instrument :  
BNA\_G  
ClientSampleId :  
091117-SIDI-E-D-S

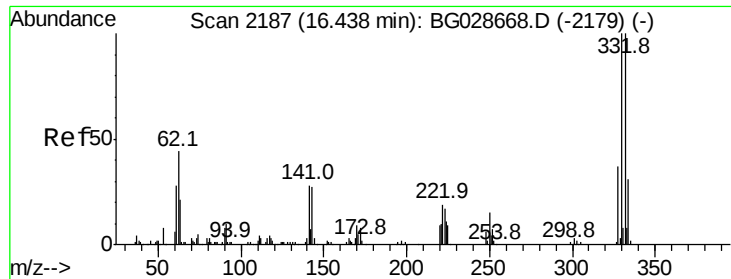
| Tot Ion | 82    | Resp  | 194871 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 37.5  | 26.4  | 39.6   |
| 54      | 57.8  | 49.4  | 74.2   |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.94 min Scan# 1932  
Delta R.T. -0.01 min  
Lab File: BG028752.D  
Acq: 15 Sep 2017 4:00

| Tgt Ion | 164   | Resp  | 90486 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 164     | 100   |       |       |
| 162     | 105.1 | 85.1  | 127.7 |
| 160     | 43.6  | 34.7  | 52.1  |

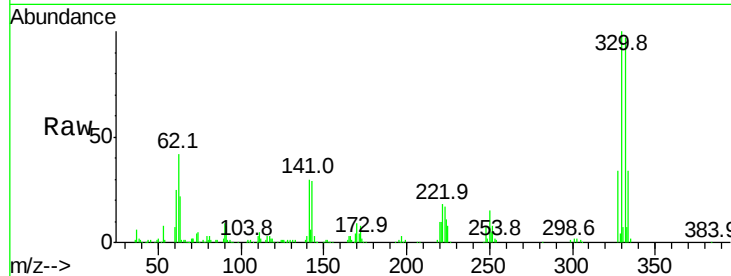




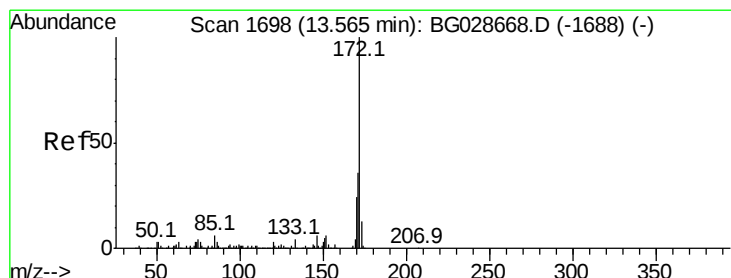
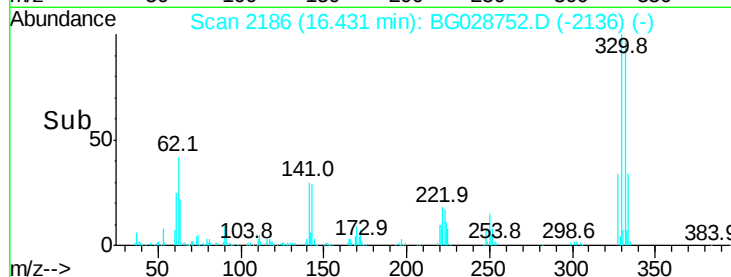
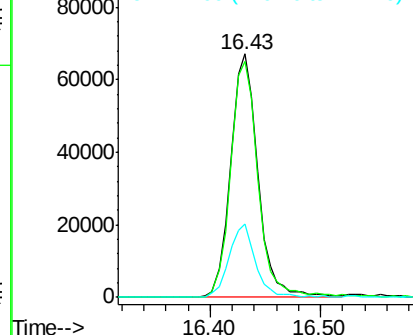
#41  
 2,4,6-Tribromophenol  
 Concen: 77.993 ng  
 RT: 16.43 min Scan# 2186  
 Delta R.T. -0.01 min  
 Lab File: BG028752.D  
 Acq: 15 Sep 2017 4:00

Instrument :  
 BNA\_G  
 ClientSampleId :  
 091117-SIDI-E-D-S

Tot Ion:330 Resp: 116723  
 Ion Ratio Lower Upper  
 330 100  
 332 98.3 77.3 115.9  
 141 28.8 32.1 48.1#

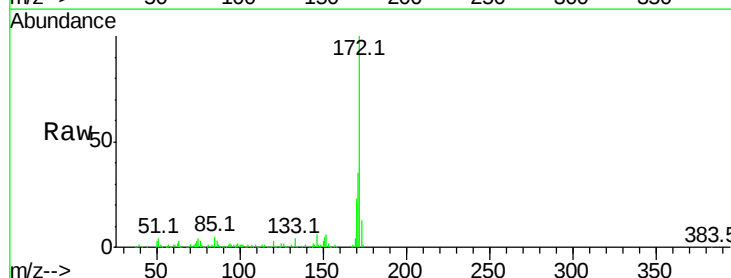


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

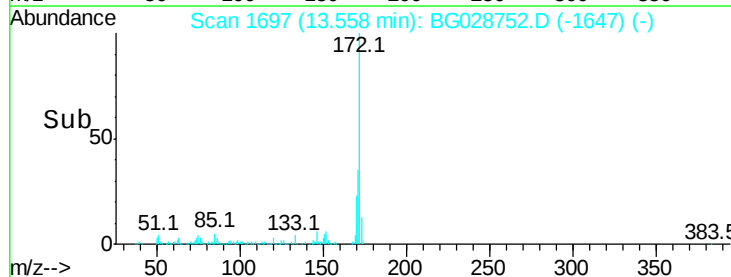
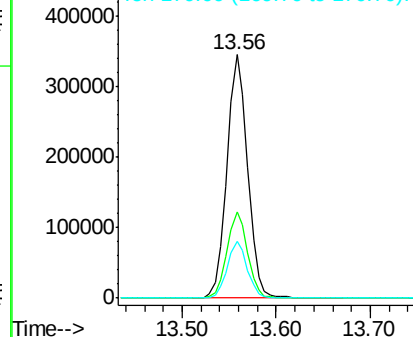


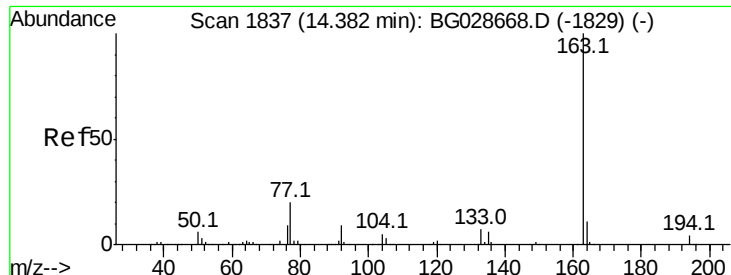
#44  
 2-Fluorobiphenyl  
 Concen: 77.872 ng  
 RT: 13.56 min Scan# 1697  
 Delta R.T. -0.01 min  
 Lab File: BG028752.D  
 Acq: 15 Sep 2017 4:00

Tgt Ion:172 Resp: 528442  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 32.2 48.2  
 170 23.2 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: 2.965 ng

RT: 14.38 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BG028752.D

Acq: 15 Sep 2017 4:00

Instrument :

BNA\_G

ClientSampleId :

091117-SIDI-E-D-S

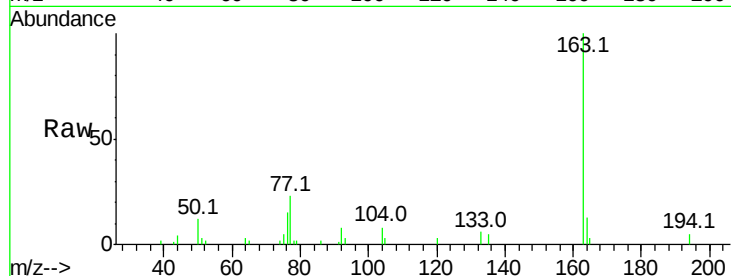
Tot Ion:163 Resp: 22497

Ion Ratio Lower Upper

163 100

194 4.6 3.8 5.6

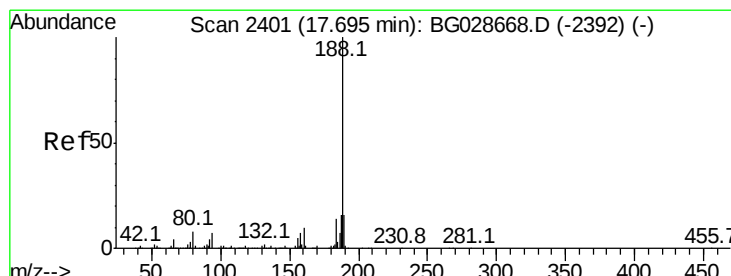
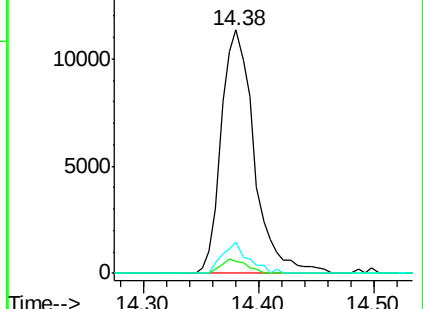
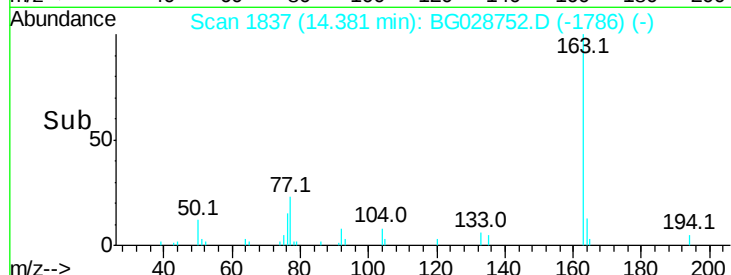
164 12.9 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.69 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BG028752.D

Acq: 15 Sep 2017 4:00

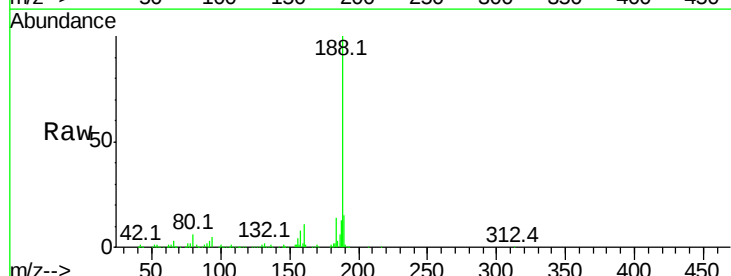
Tgt Ion:188 Resp: 243294

Ion Ratio Lower Upper

188 100

94 5.5 5.8 8.8#

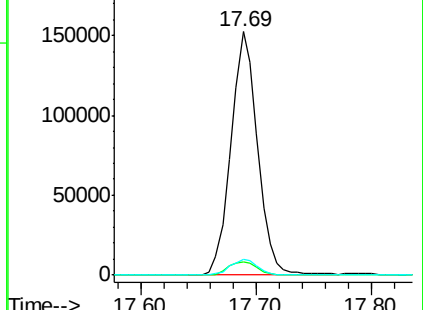
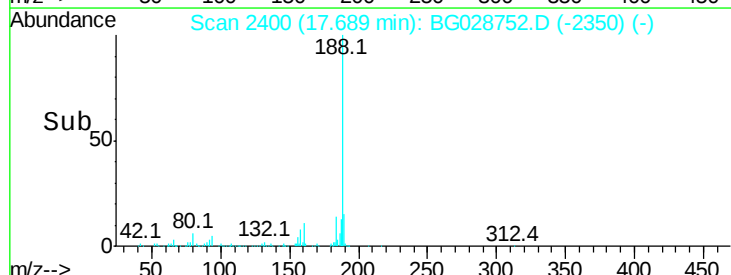
80 6.4 7.5 11.3#

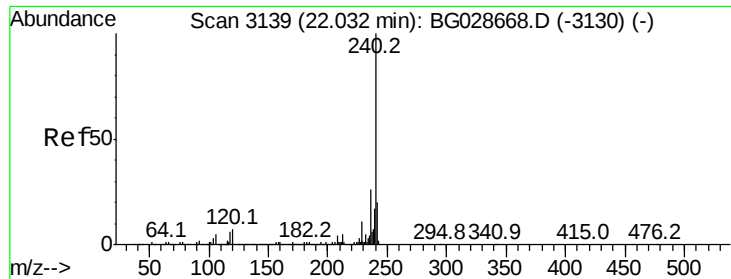


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.02 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BG028752.D

Acq: 15 Sep 2017 4:00

Instrument :

BNA\_G

ClientSampleId :

091117-SIDI-E-D-S

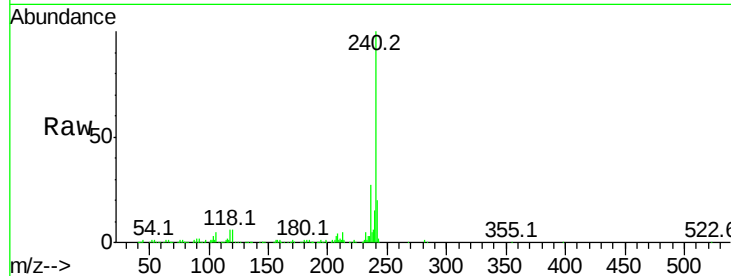
Tot Ion:240 Resp: 262444

Ion Ratio Lower Upper

240 100

120 5.6 5.7 8.5#

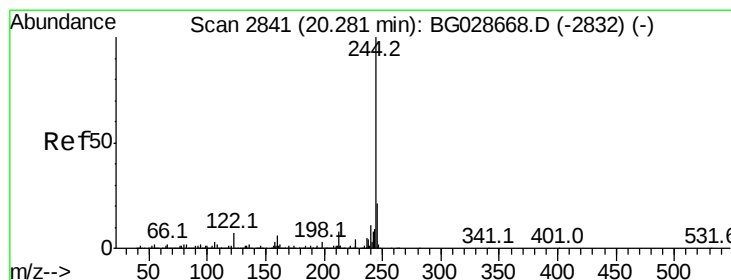
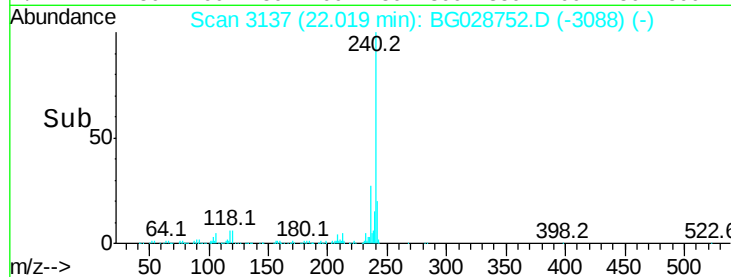
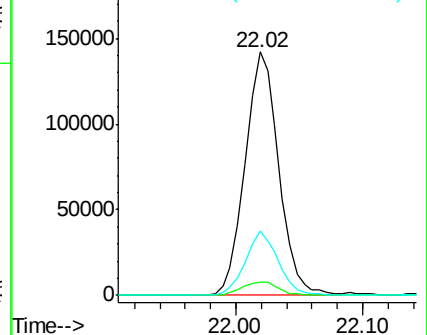
236 26.5 22.2 33.4



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: 77.647 ng

RT: 20.27 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BG028752.D

Acq: 15 Sep 2017 4:00

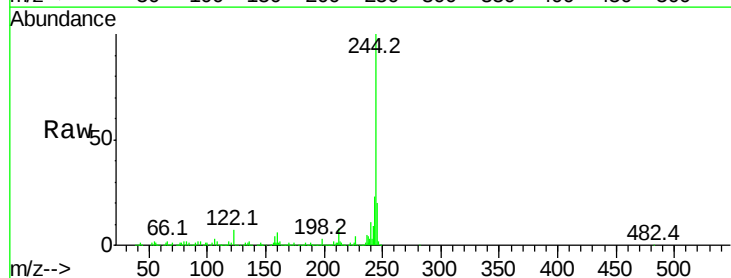
Tgt Ion:244 Resp: 955560

Ion Ratio Lower Upper

244 100

212 7.9 10.0 15.0#

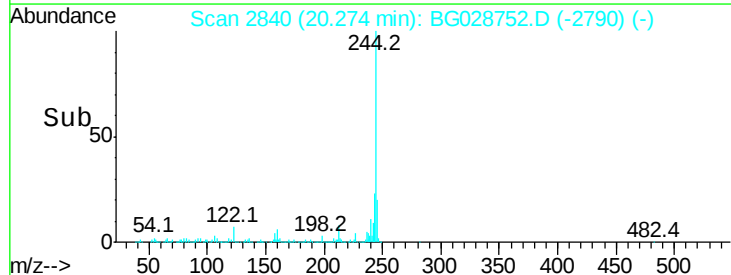
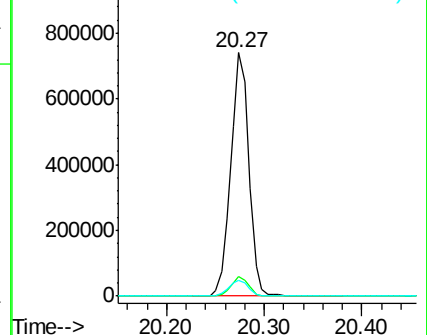
122 6.7 8.6 12.8#

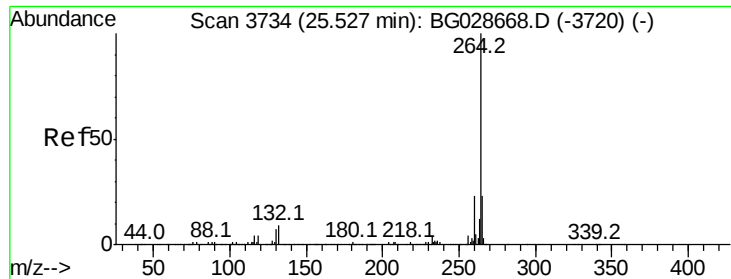


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

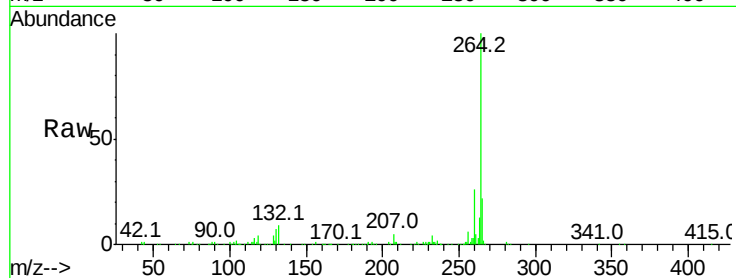




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.51 min Scan# 3732  
Delta R.T. -0.01 min  
Lab File: BG028752.D  
Acq: 15 Sep 2017 4:00

Instrument :  
BNA\_G  
ClientSampleId :  
091117-SIDI-E-D-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.7  | 21.8  | 32.8  |
| 265     | 22.2  | 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

