

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\  
 Data File : BG037306.D  
 Acq On : 13 Oct 2018 00:53  
 Operator : JU/SJ  
 Sample : J5371-16  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 100818-SIDI-E-U-S

Quant Time: Oct 13 04:21:52 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 11 13:59:58 2018  
 Response via : Initial Calibration

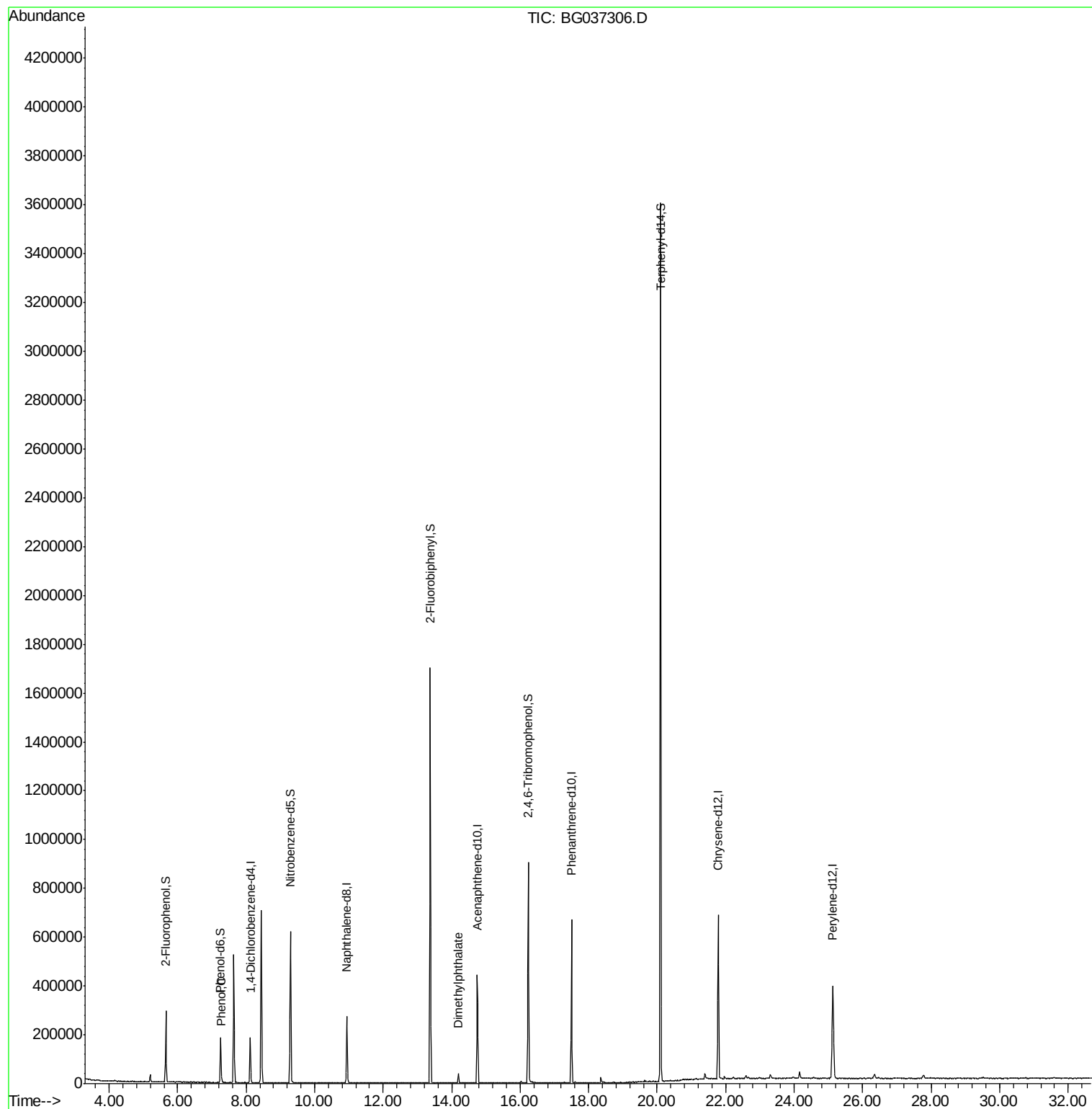
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 56013    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.94 | 136  | 235968   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.75 | 164  | 159990   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.50 | 188  | 417890   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.78 | 240  | 407189   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.13 | 264  | 407961   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.65  | 112  | 134374   | 42.22  | ng    | 0.00     |
| 7) Phenol-d6                | 7.25  | 99   | 116275   | 24.07  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.30  | 82   | 379850   | 105.83 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.23 | 330  | 164235   | 104.67 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.37 | 172  | 937205   | 87.97  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.10 | 244  | 1668499  | 86.04  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.28  | 94   | 12161    | 2.390  | ng    | 92       |
| 50) Dimethylphthalate       | 14.20 | 163  | 27384    | 2.178  | ng    | 99       |

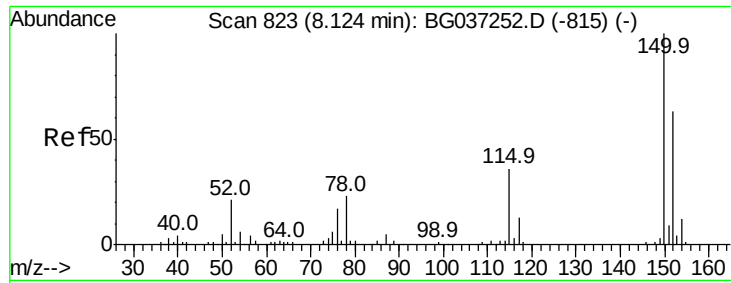
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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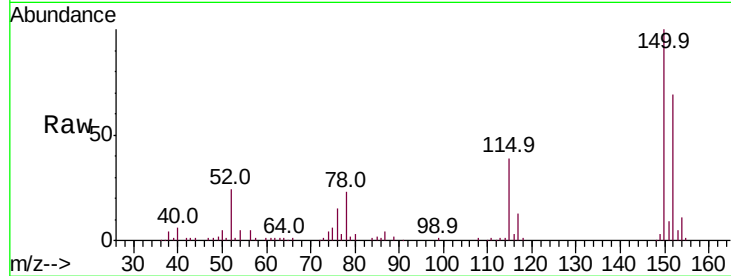


#1

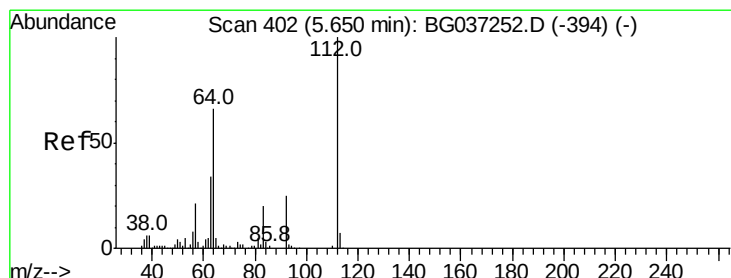
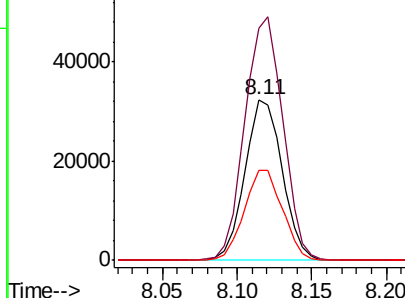
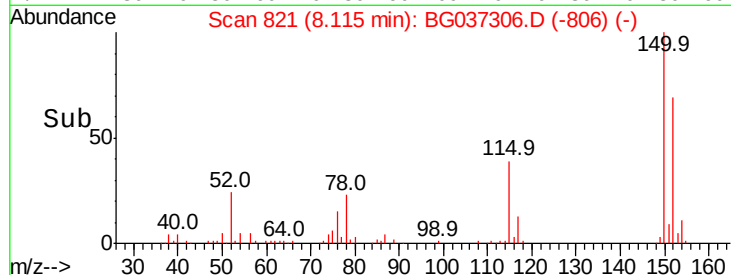
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.11 min Scan# 821  
 Delta R.T. -0.01 min  
 Lab File: BG037306.D  
 Acq: 13 Oct 2018 00:53

Instrument :  
 BNA\_G  
 ClientSampleId :  
 100818-SIDI-E-U-S

Tot Ion:152 Resp: 56013  
 Ion Ratio Lower Upper  
 152 100  
 150 144.7 126.0 189.0  
 115 55.8 45.5 68.3



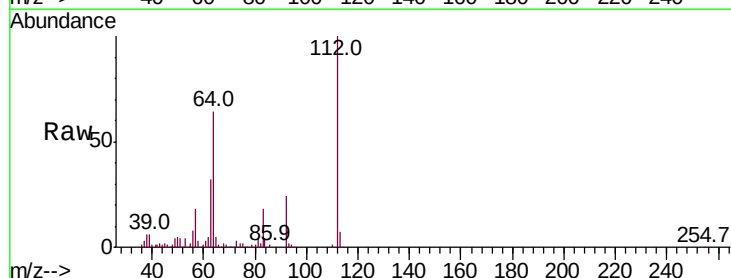
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



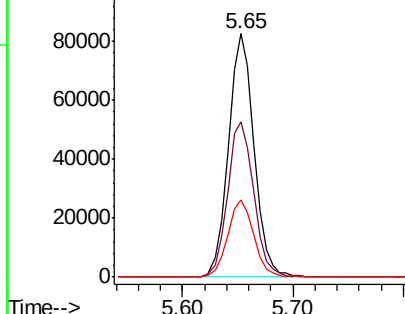
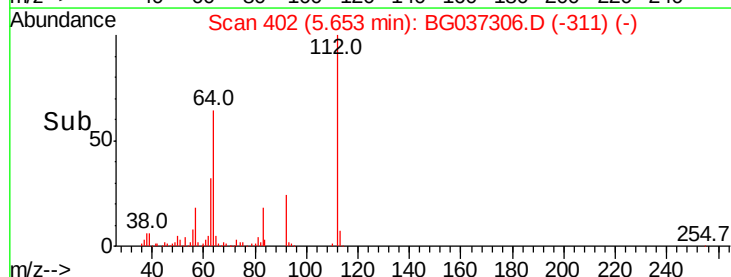
#5

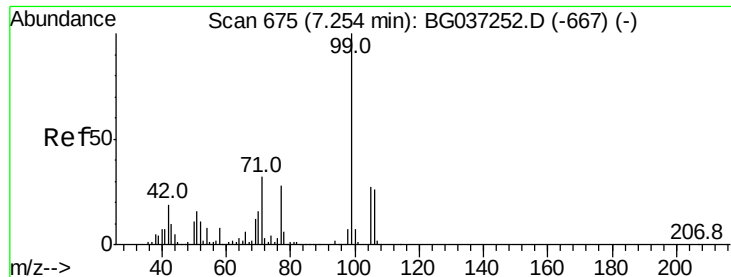
2-Fluorophenol  
 Concen: 42.220 ng  
 RT: 5.65 min Scan# 402  
 Delta R.T. 0.00 min  
 Lab File: BG037306.D  
 Acq: 13 Oct 2018 00:53

Tgt Ion:112 Resp: 134374  
 Ion Ratio Lower Upper  
 112 100  
 64 64.0 53.1 79.7  
 63 31.8 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BG  
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 24.069 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037306.D

Acq: 13 Oct 2018 00:53

Instrument :

BNA\_G

ClientSampleId :

100818-SIDI-E-U-S

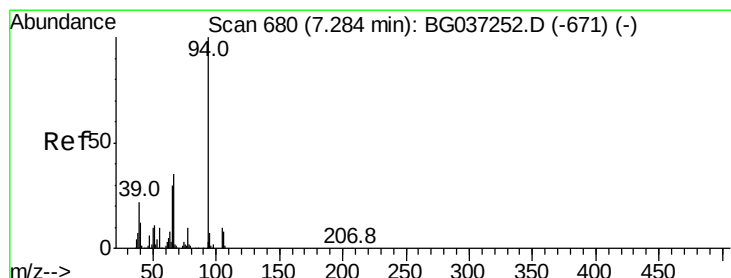
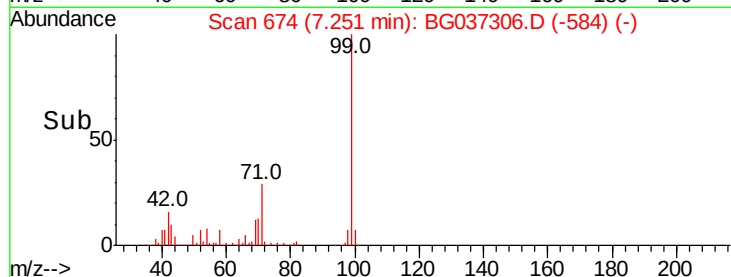
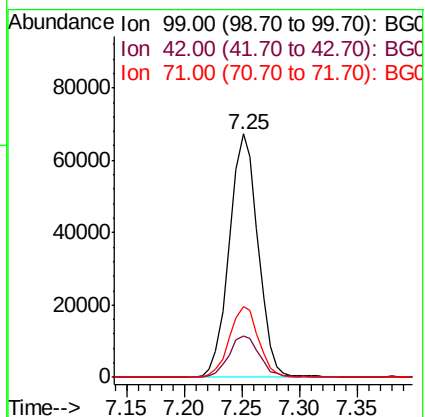
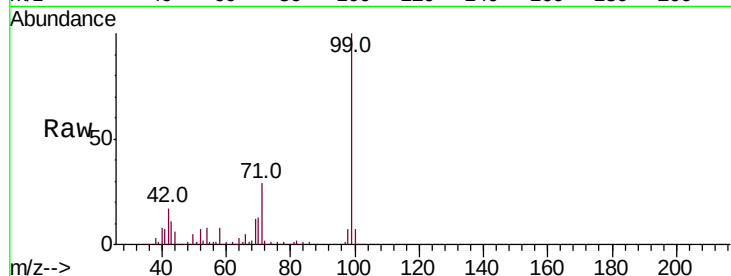
Tot Ion: 99 Resp: 116275

Ion Ratio Lower Upper

99 100

42 16.9 15.0 22.4

71 29.1 25.5 38.3



#10

Phenol

Concen: 2.390 ng

RT: 7.28 min Scan# 679

Delta R.T. -0.00 min

Lab File: BG037306.D

Acq: 13 Oct 2018 00:53

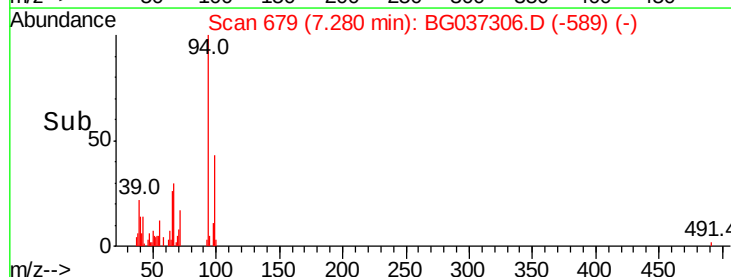
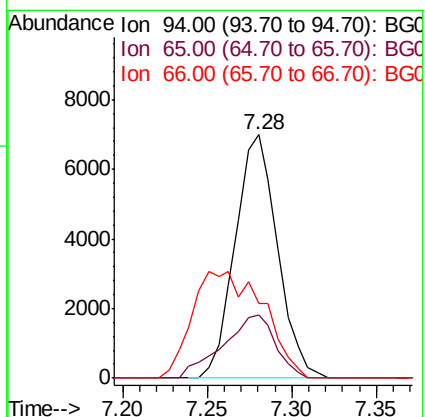
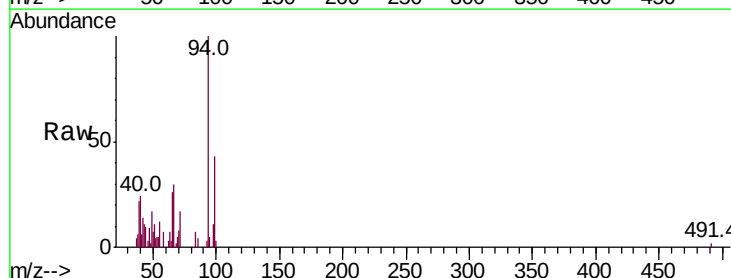
Tgt Ion: 94 Resp: 12161

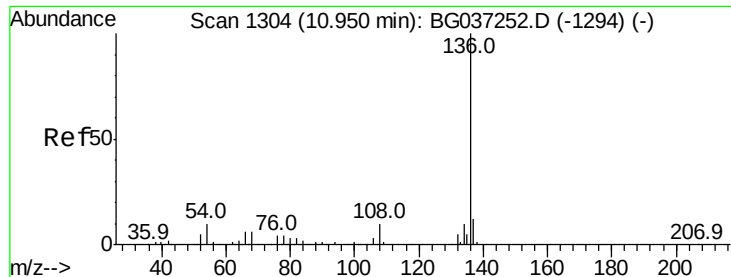
Ion Ratio Lower Upper

94 100

65 25.9 9.7 49.7

66 30.5 15.9 55.9

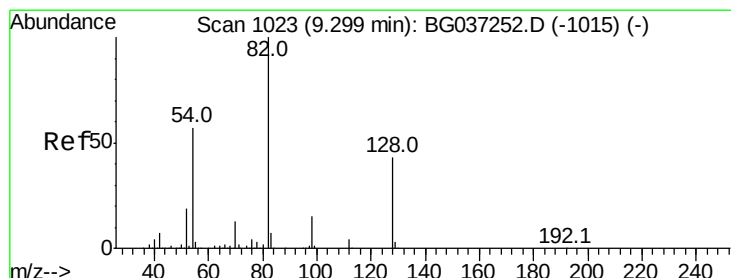
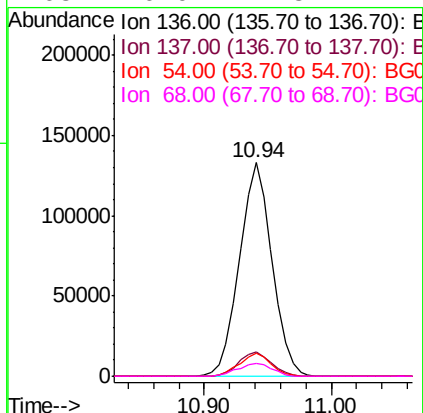
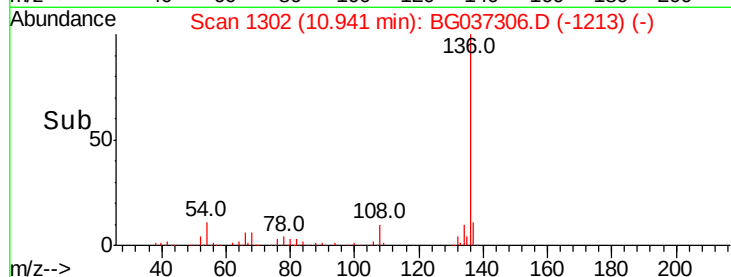
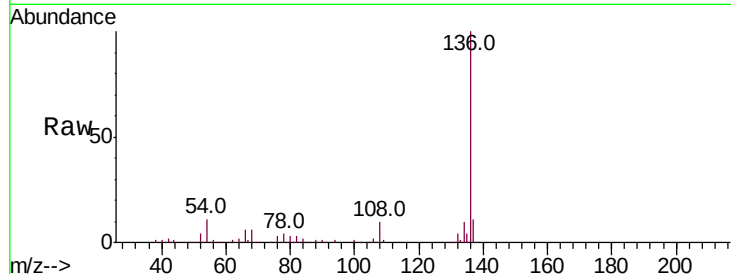




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.94 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BG037306.D  
Acq: 13 Oct 2018 00:53

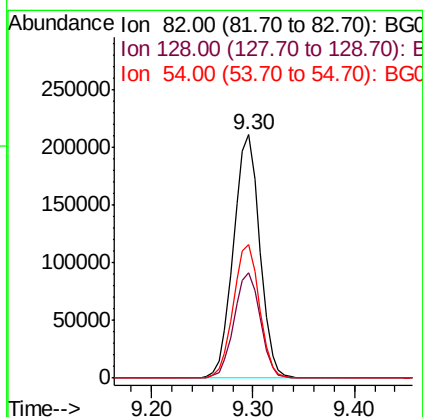
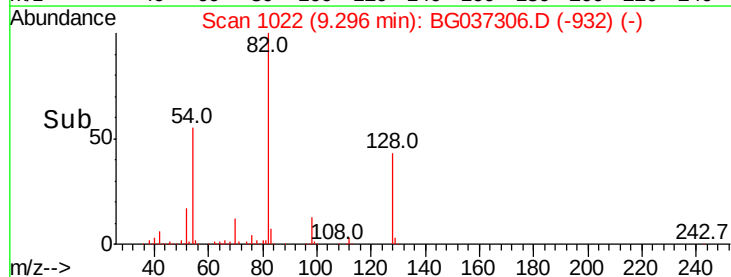
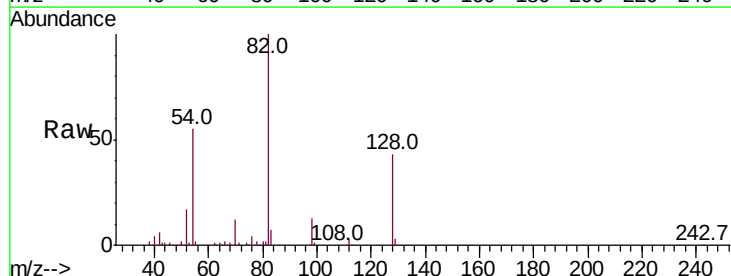
Instrument :  
BNA\_G  
ClientSampleId :  
100818-SIDI-E-U-S

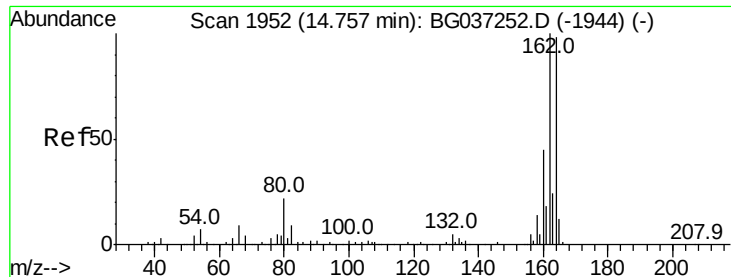
|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 235968 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 11.3    | 9.6   | 14.4   |  |
| 54 10.6     | 7.9   | 11.9   |  |
| 68 6.0      | 4.8   | 7.2    |  |



#23  
Nitrobenzene-d5  
Concen: 105.833 ng  
RT: 9.30 min Scan# 1022  
Delta R.T. -0.00 min  
Lab File: BG037306.D  
Acq: 13 Oct 2018 00:53

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 379850 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 43.1    | 34.6 51.8    |
| 54 54.9     | 45.3 67.9    |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BG037306.D

Acq: 13 Oct 2018 00:53

Instrument :

BNA\_G

ClientSampleId :

100818-SIDI-E-U-S

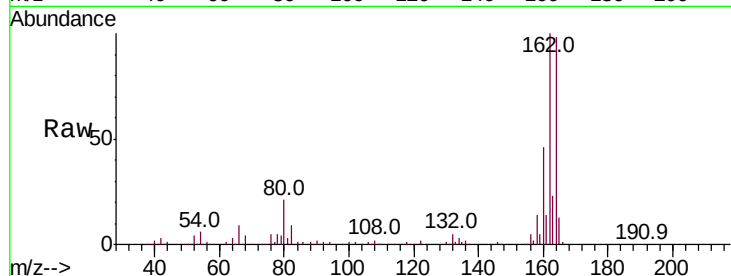
Tot Ion:164 Resp: 159990

Ion Ratio Lower Upper

164 100

162 101.7 81.3 121.9

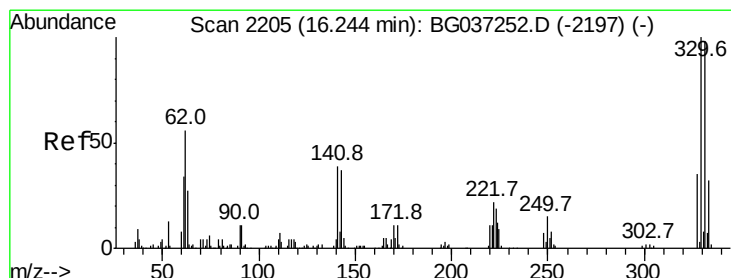
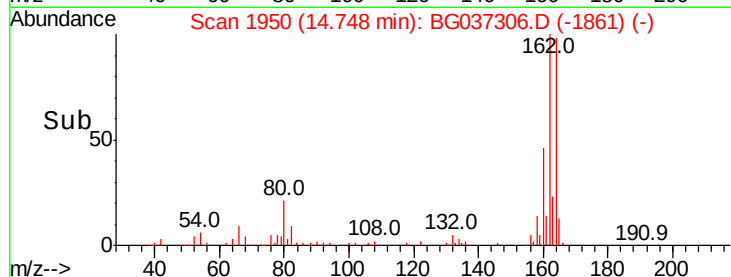
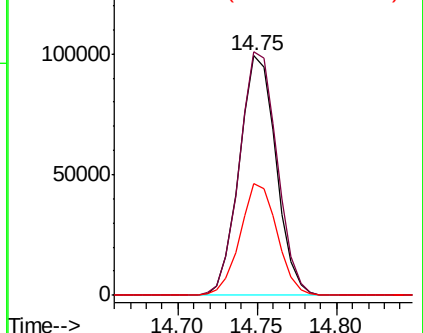
160 46.7 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 104.671 ng

RT: 16.23 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BG037306.D

Acq: 13 Oct 2018 00:53

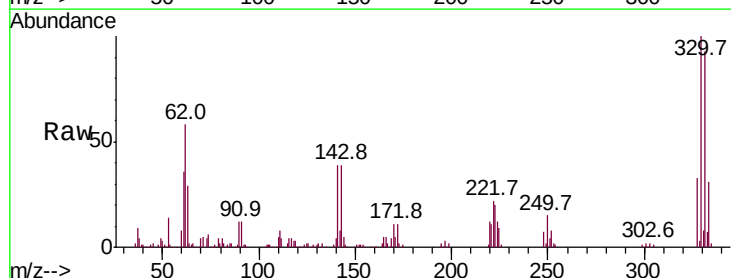
Tgt Ion:330 Resp: 164235

Ion Ratio Lower Upper

330 100

332 93.6 78.4 117.6

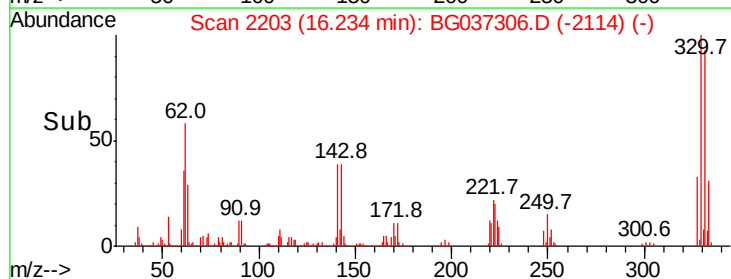
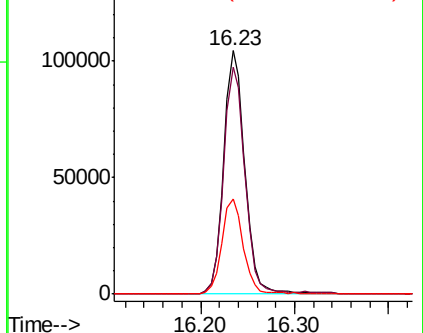
141 39.5 32.2 48.2

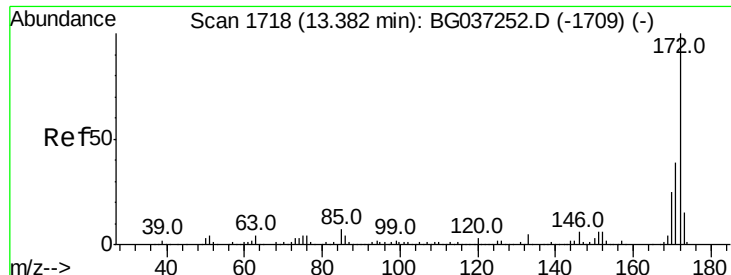


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



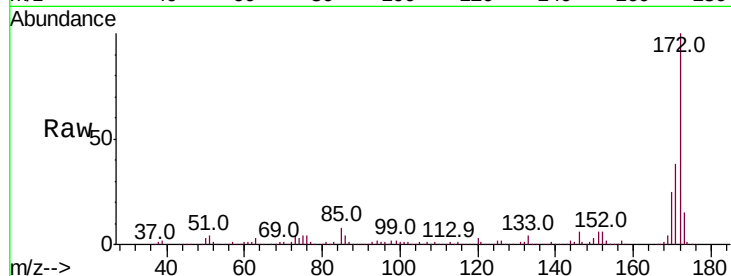


#45  
 2-Fluorobiphenyl  
 Concen: 87.972 ng  
 RT: 13.37 min Scan# 1716  
 Delta R.T. -0.01 min  
 Lab File: BG037306.D  
 Acq: 13 Oct 2018 00:53

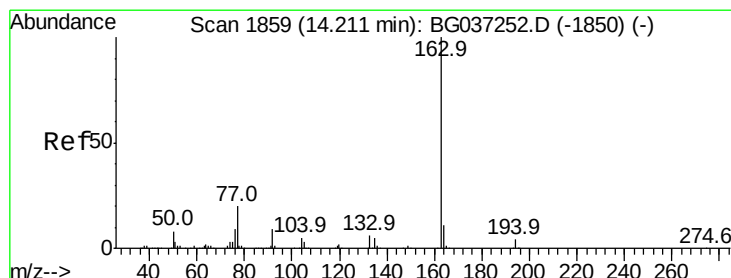
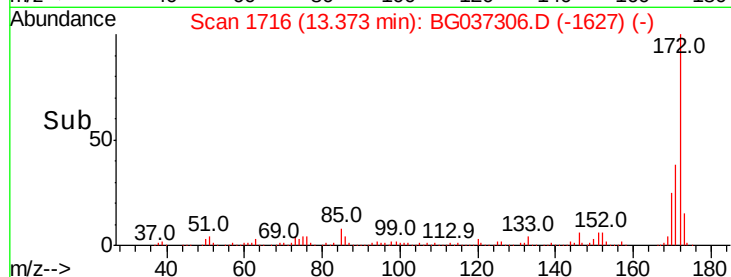
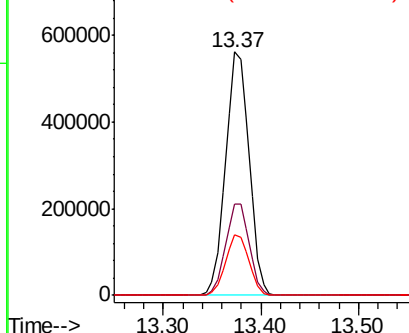
Instrument :  
 BNA\_G  
 ClientSampleId :  
 100818-SIDI-E-U-S

Tot Ion:172 Resp: 937205  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 37.7  | 31.0  | 46.4  |
| 170 | 24.9  | 20.2  | 30.2  |



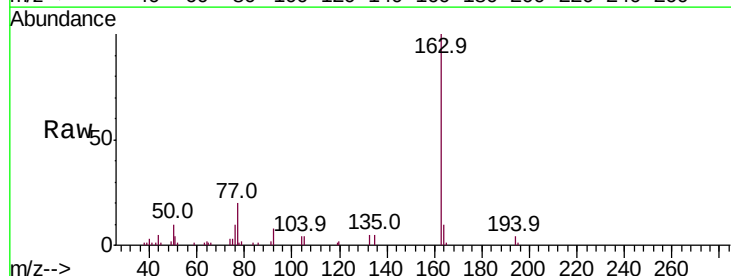
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



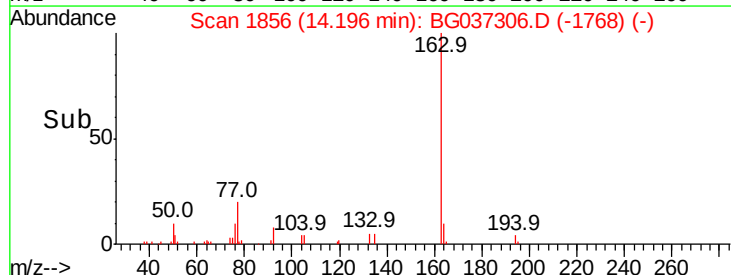
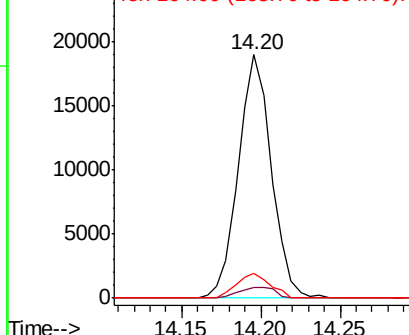
#50  
 Dimethylphthalate  
 Concen: 2.178 ng  
 RT: 14.20 min Scan# 1856  
 Delta R.T. -0.02 min  
 Lab File: BG037306.D  
 Acq: 13 Oct 2018 00:53

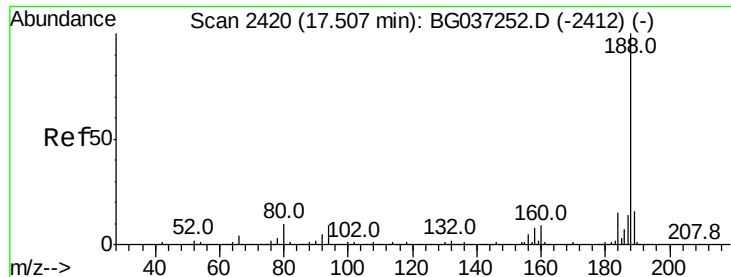
Tgt Ion:163 Resp: 27384  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.5   | 3.5   | 5.3   |
| 164 | 9.9   | 8.5   | 12.7  |



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BG037306.D

Acq: 13 Oct 2018 00:53

Instrument :

BNA\_G

ClientSampleId :

100818-SIDI-E-U-S

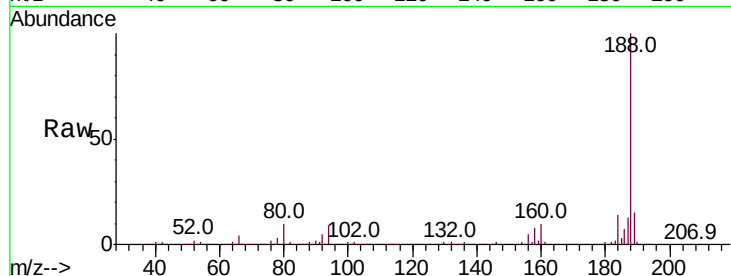
Tot Ion:188 Resp: 417890

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

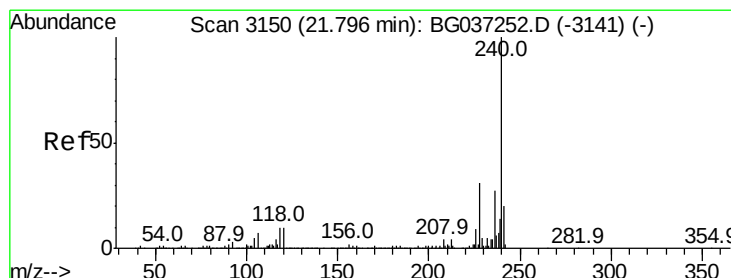
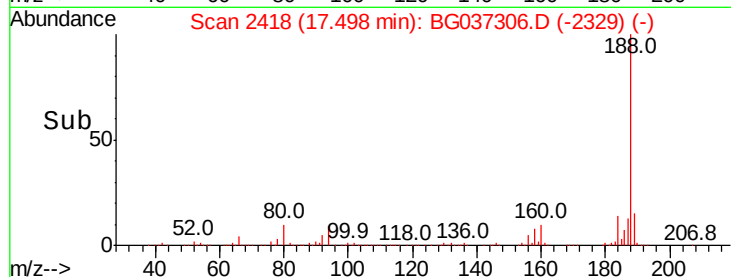
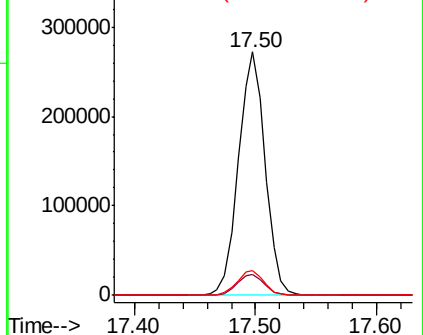
80 10.3 7.7 11.5



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.78 min Scan# 3147

Delta R.T. -0.02 min

Lab File: BG037306.D

Acq: 13 Oct 2018 00:53

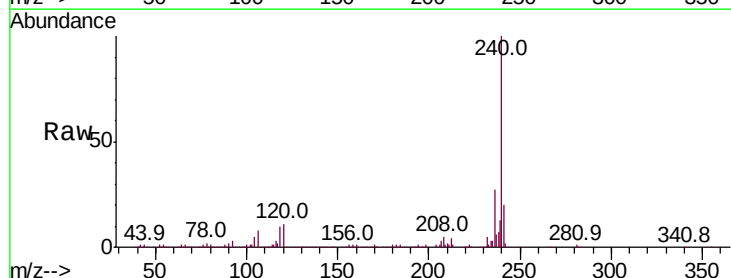
Tgt Ion:240 Resp: 407189

Ion Ratio Lower Upper

240 100

120 11.5 8.1 12.1

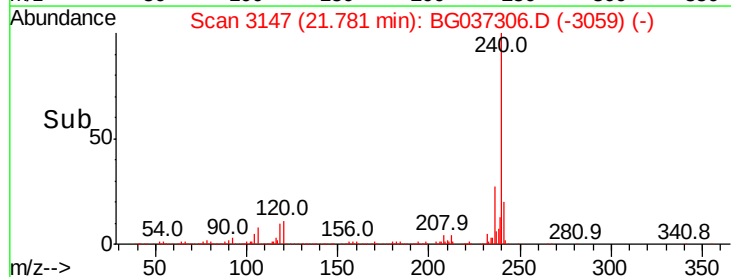
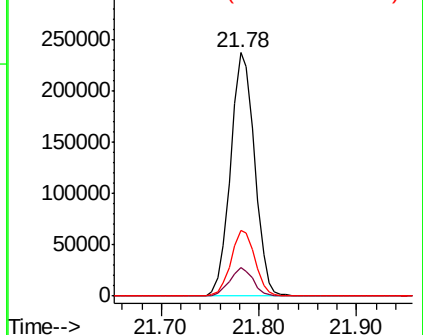
236 27.1 21.4 32.0



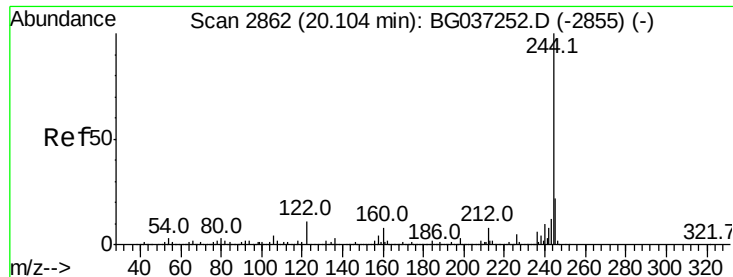
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#79

Terphenyl-d14

Concen: 86.039 ng

RT: 20.10 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BG037306.D

Acq: 13 Oct 2018 00:53

Instrument :

BNA\_G

ClientSampleId :

100818-SIDI-E-U-S

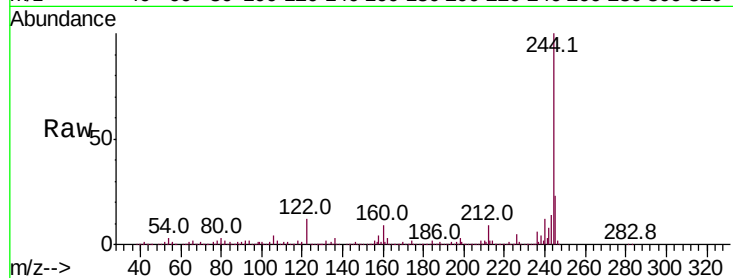
Tot Ion:244 Resp: 1668499

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.1   | 6.5   | 9.7   |
| 122 | 12.2  | 9.0   | 13.4  |

244 100

212 9.1 6.5 9.7

122 12.2 9.0 13.4

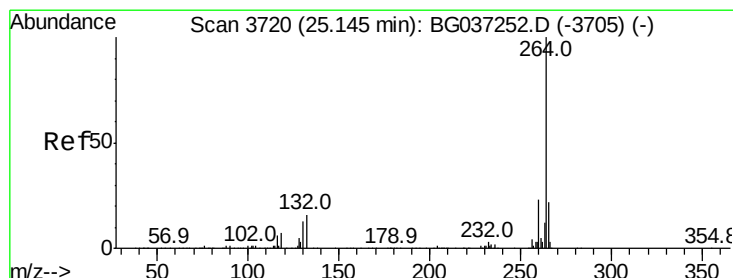
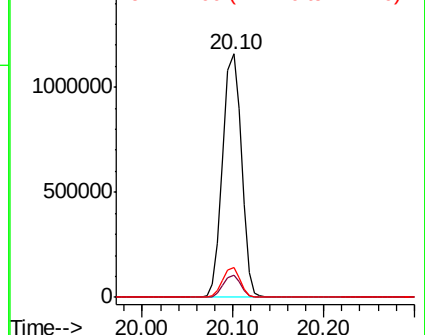
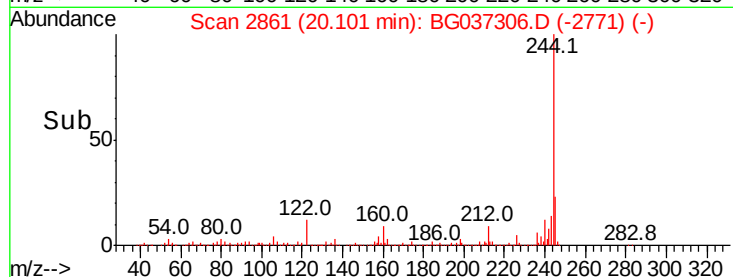


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.13 min Scan# 3717

Delta R.T. -0.02 min

Lab File: BG037306.D

Acq: 13 Oct 2018 00:53

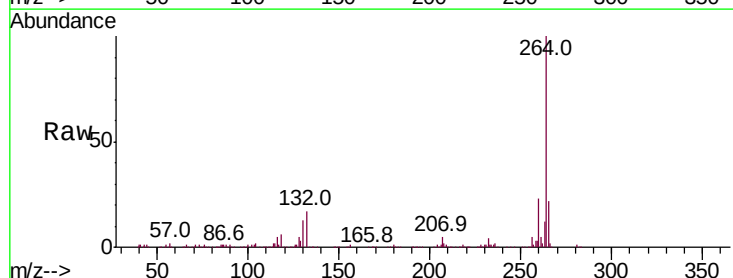
Tgt Ion:264 Resp: 407961

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.0  | 18.2  | 27.4  |
| 265 | 22.0  | 17.9  | 26.9  |

264 100

260 23.0 18.2 27.4

265 22.0 17.9 26.9



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

