

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101718\  
 Data File : BG037406.D  
 Acq On : 18 Oct 2018 1:19  
 Operator : JU/SJ  
 Sample : J5541-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 101518-SIDI-E-U-M

Quant Time: Oct 18 12:06:06 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 17 15:19:35 2018  
 Response via : Initial Calibration

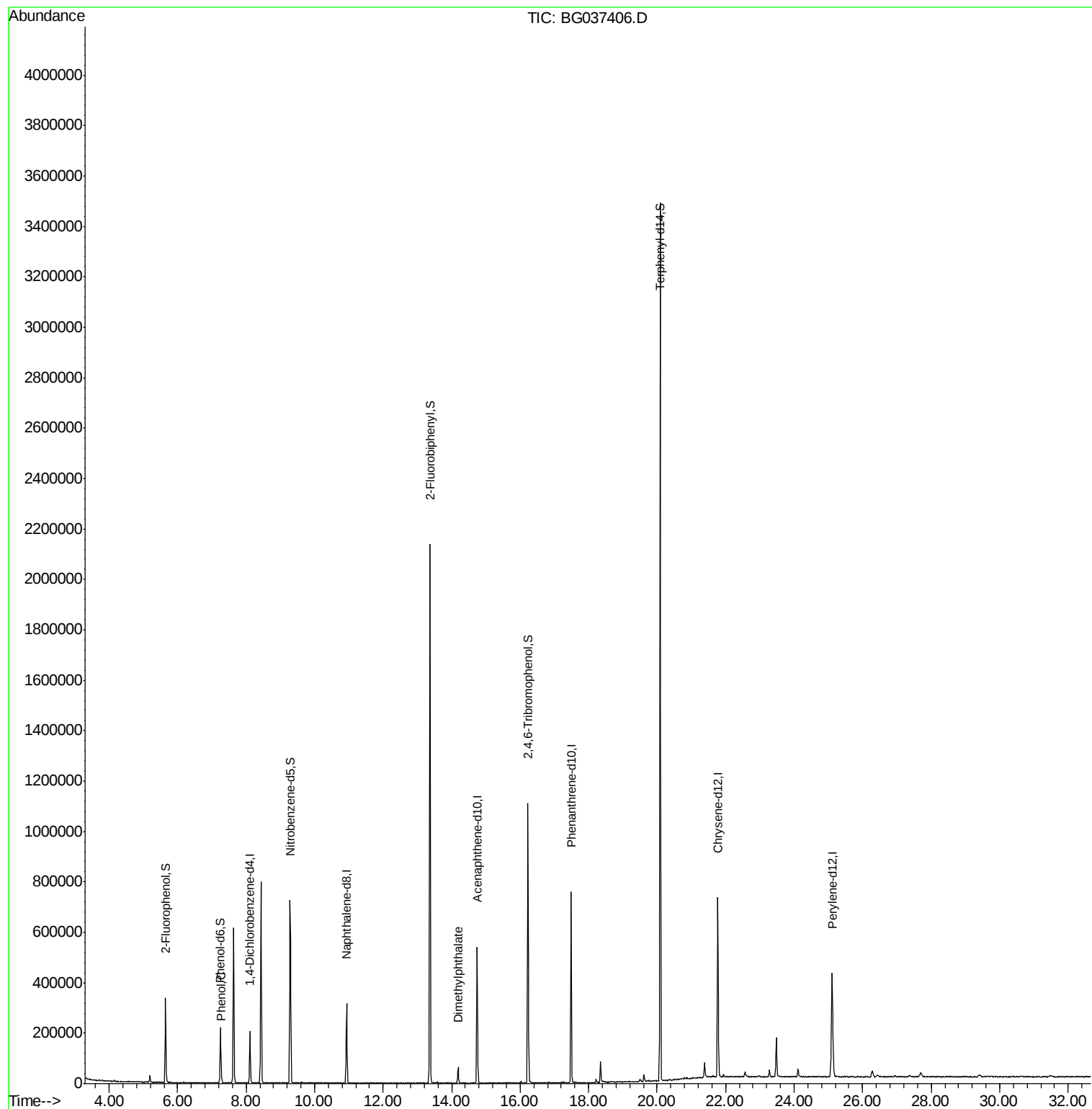
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 62230    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.93 | 136  | 284573   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.74 | 164  | 193850   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.49 | 188  | 477007   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.77 | 240  | 437797   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12            | 25.11 | 264  | 444209   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.65  | 112  | 156248   | 44.19  | ng    | 0.00     |
| 7) Phenol-d6                | 7.24  | 99   | 136710   | 25.47  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 465239   | 107.48 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.23 | 330  | 199829   | 105.11 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.37 | 172  | 1138005  | 88.16  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.09 | 244  | 1649431  | 79.11  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.27  | 94   | 25105    | 4.441  | ng    | 96       |
| 50) Dimethylphthalate       | 14.19 | 163  | 47008    | 3.086  | ng    | 99       |

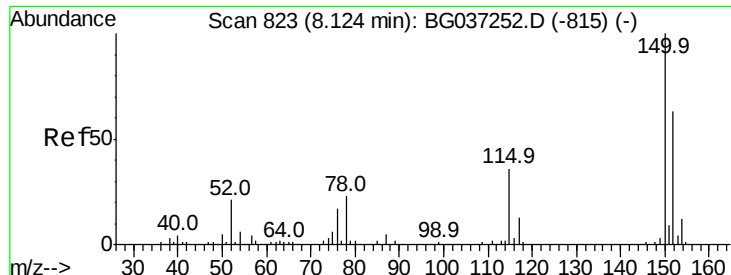
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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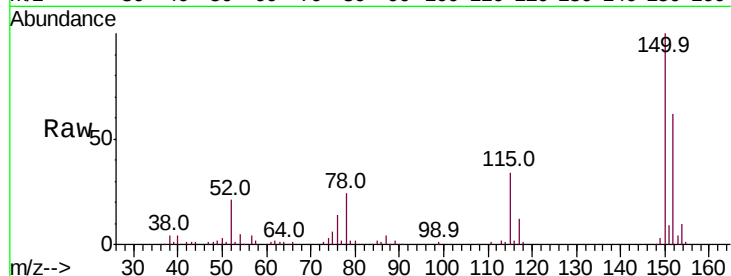


#1

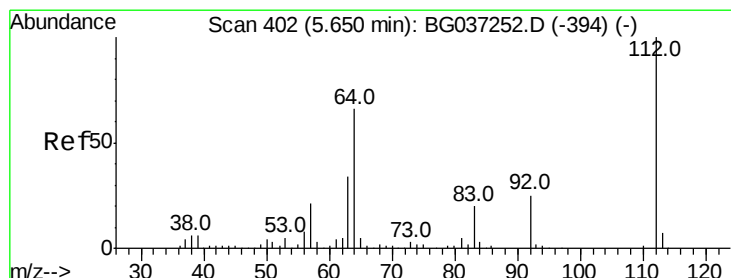
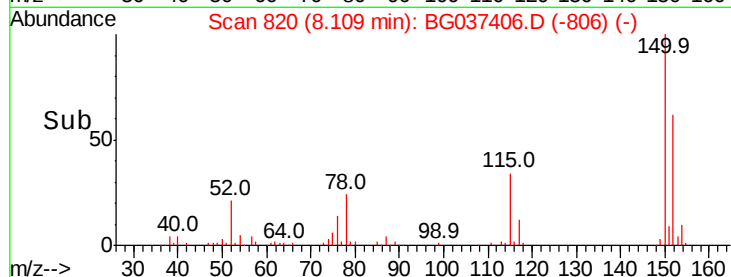
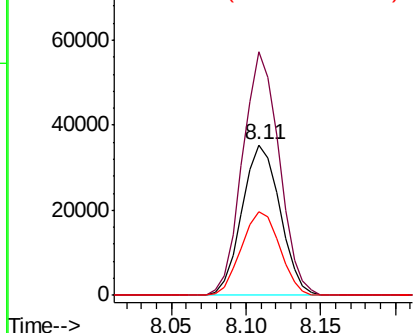
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.11 min Scan# 820  
Delta R.T. -0.02 min  
Lab File: BG037406.D  
Acq: 18 Oct 2018 1:19

Instrument :  
BNA\_G  
ClientSampleId :  
101518-SIDI-E-U-M

Tot Ion:152 Resp: 62230  
Ion Ratio Lower Upper  
152 100  
150 161.7 126.0 189.0  
115 55.7 45.5 68.3



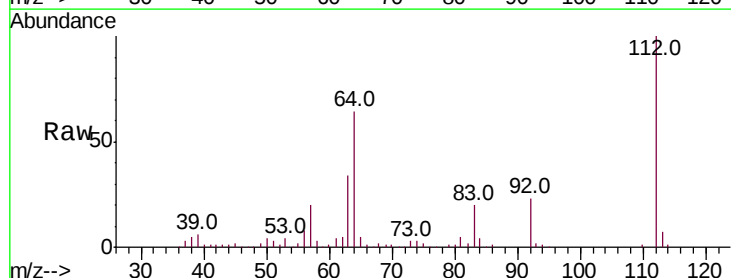
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



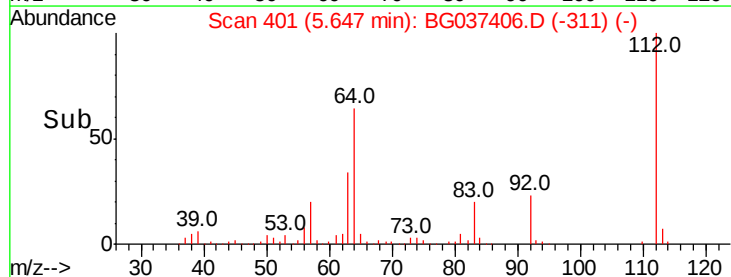
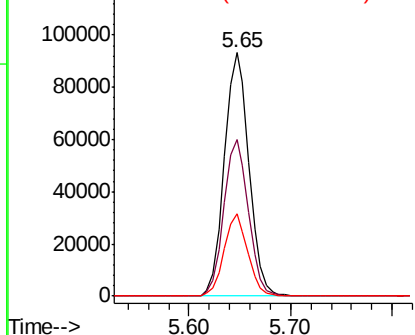
#5

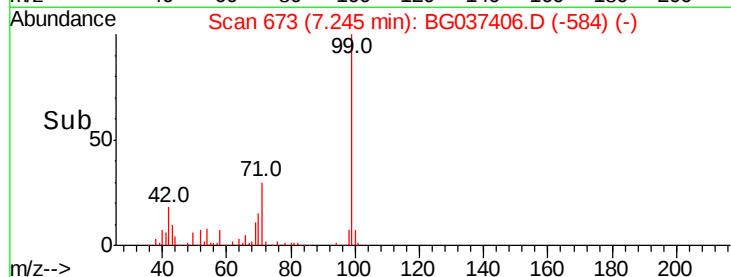
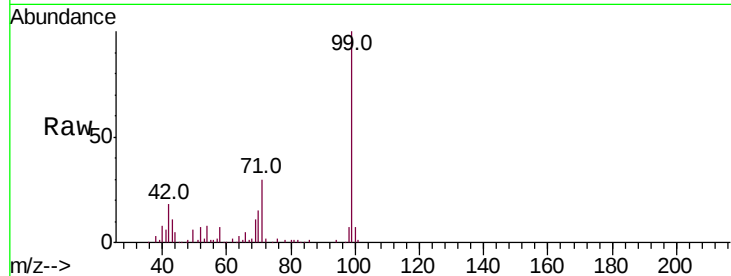
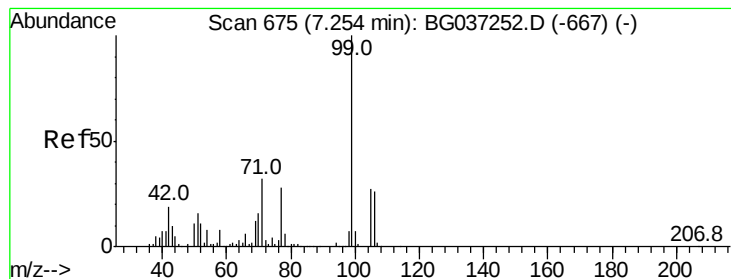
2-Fluorophenol  
Concen: 44.188 ng  
RT: 5.65 min Scan# 401  
Delta R.T. -0.00 min  
Lab File: BG037406.D  
Acq: 18 Oct 2018 1:19

Tgt Ion:112 Resp: 156248  
Ion Ratio Lower Upper  
112 100  
64 64.4 53.1 79.7  
63 33.6 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: 25.472 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037406.D

Acq: 18 Oct 2018 1:19

Instrument :

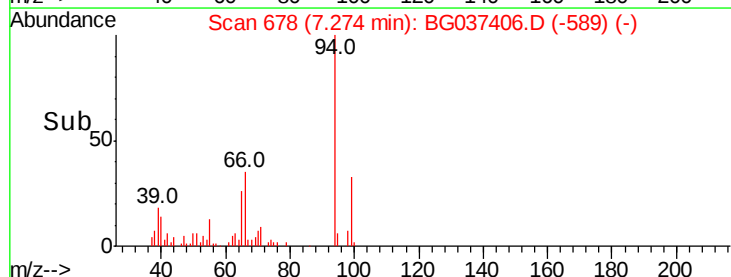
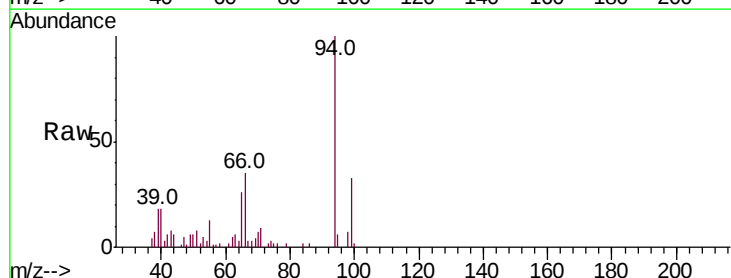
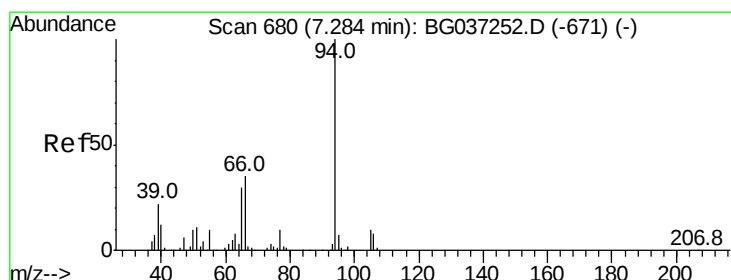
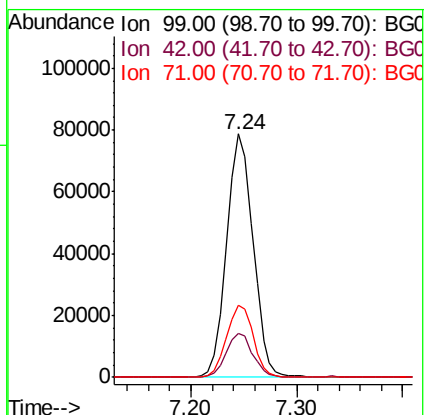
BNA\_G

ClientSampleId :

101518-SIDI-E-U-M

Tot Ion: 99 Resp: 136710

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.0  | 15.0  | 22.4  |
| 71  | 29.5  | 25.5  | 38.3  |



#10

Phenol

Concen: 4.441 ng

RT: 7.27 min Scan# 678

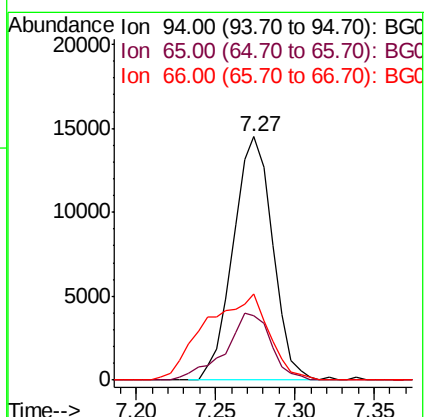
Delta R.T. -0.01 min

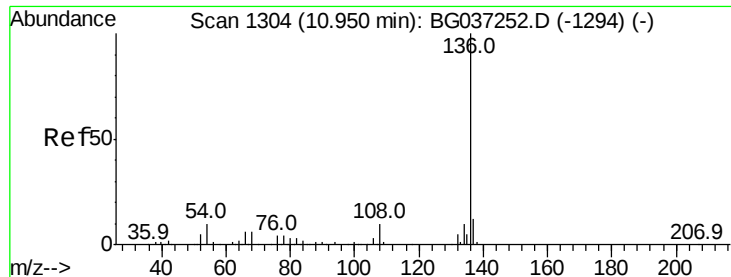
Lab File: BG037406.D

Acq: 18 Oct 2018 1:19

Tgt Ion: 94 Resp: 25105

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 26.3  | 9.7   | 49.7  |
| 66  | 35.2  | 15.9  | 55.9  |

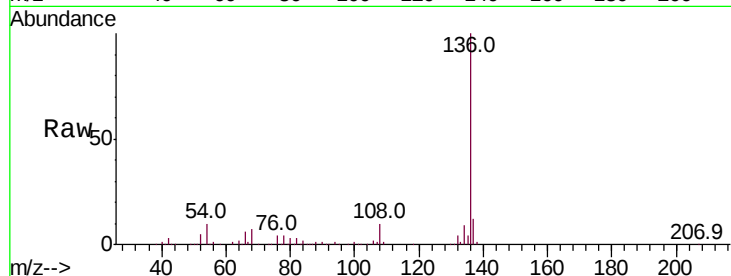




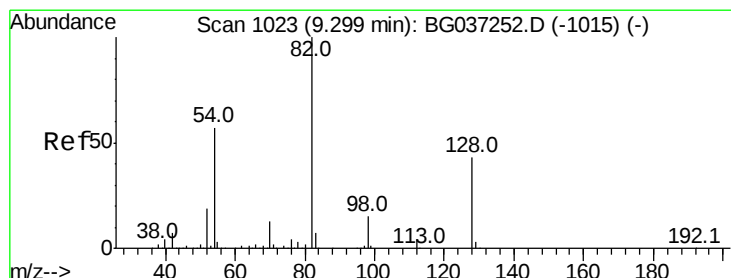
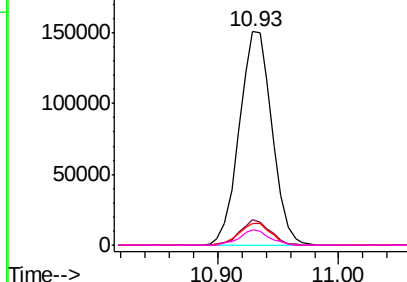
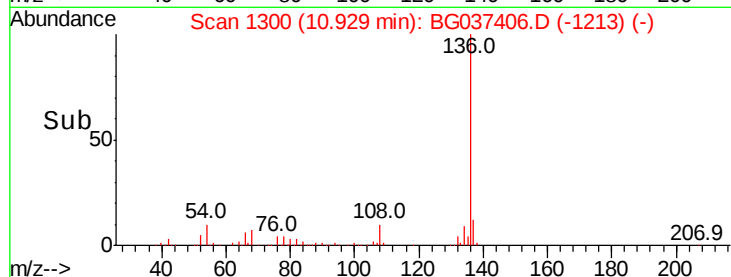
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.93 min Scan# 1300  
Delta R.T. -0.02 min  
Lab File: BG037406.D  
Acq: 18 Oct 2018 1:19

Instrument :  
BNA\_G  
ClientSampleId :  
101518-SIDI-E-U-M

|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 284573 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 12.2    | 9.6 14.4     |
| 54 10.1     | 7.9 11.9     |
| 68 7.3      | 4.8 7.2#     |

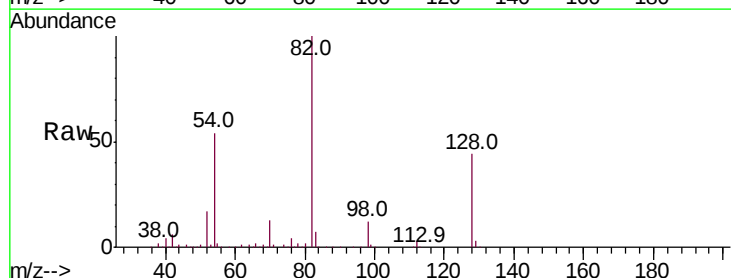


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

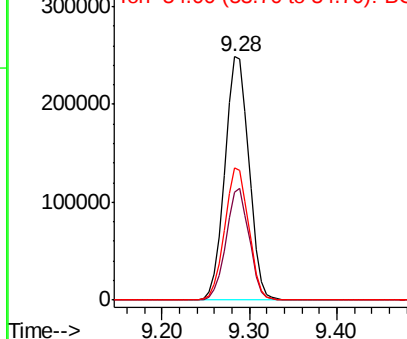
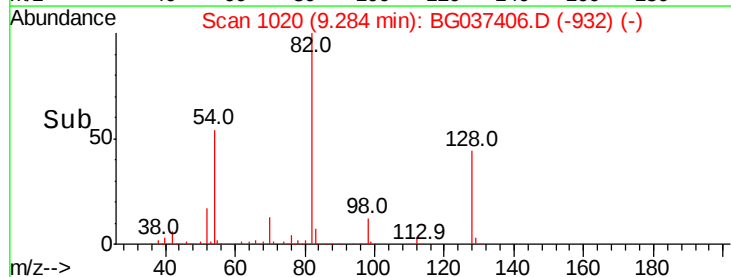


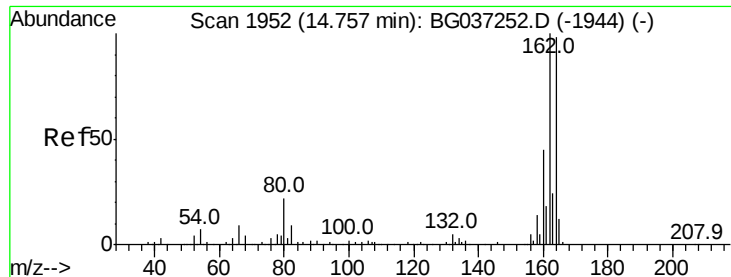
#23  
Nitrobenzene-d5  
Concen: 107.484 ng  
RT: 9.28 min Scan# 1020  
Delta R.T. -0.02 min  
Lab File: BG037406.D  
Acq: 18 Oct 2018 1:19

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 465239 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 44.2    | 34.6  | 51.8   |
| 54  | 54.3    | 45.3  | 67.9   |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BG037406.D

Acq: 18 Oct 2018 1:19

Instrument :

BNA\_G

ClientSampleId :

101518-SIDI-E-U-M

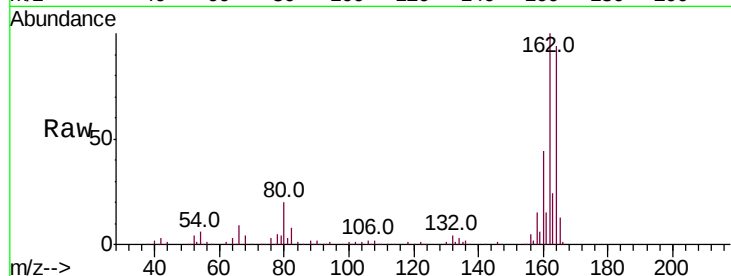
Tot Ion:164 Resp: 193850

Ion Ratio Lower Upper

164 100

162 105.9 81.3 121.9

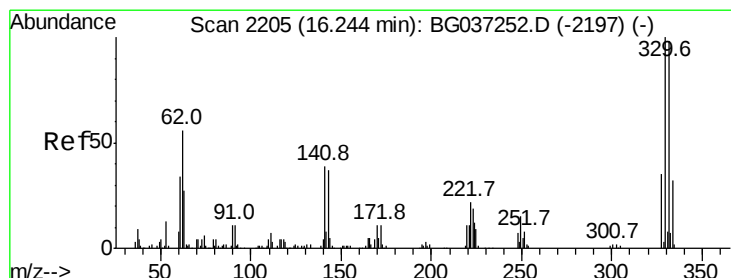
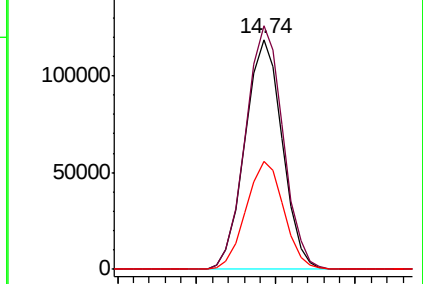
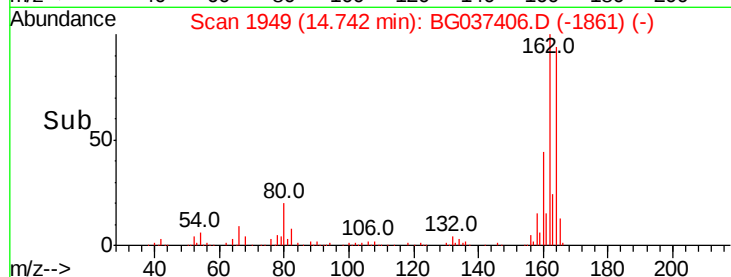
160 47.1 36.3 54.5



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: 105.111 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BG037406.D

Acq: 18 Oct 2018 1:19

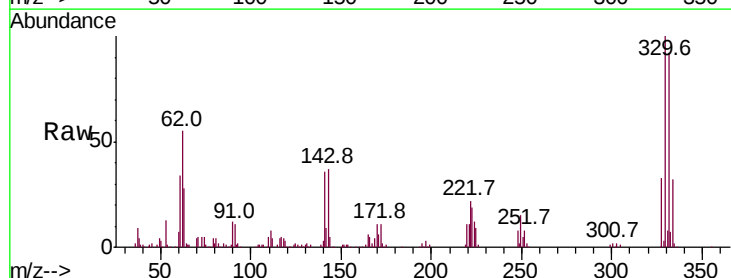
Tgt Ion:330 Resp: 199829

Ion Ratio Lower Upper

330 100

332 95.5 78.4 117.6

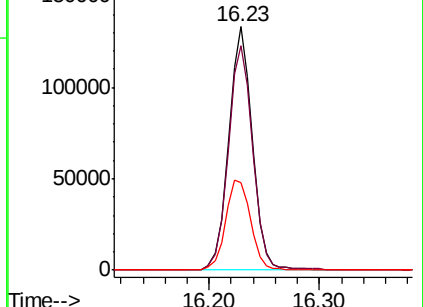
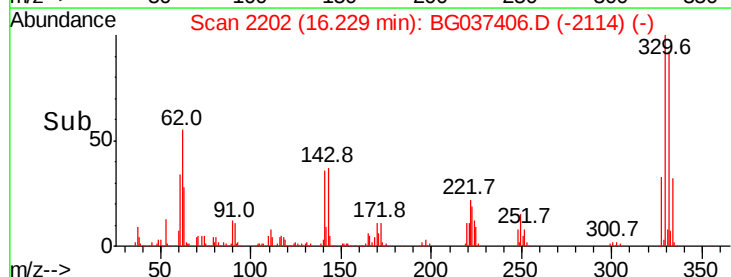
141 39.8 32.2 48.2

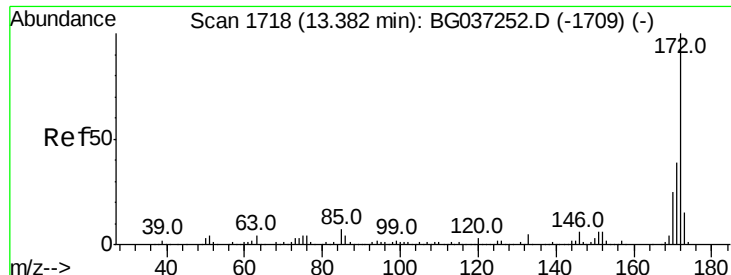


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

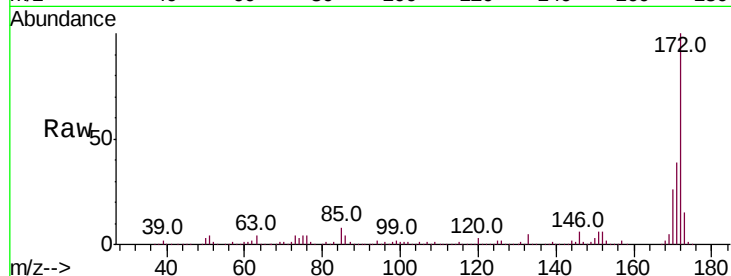




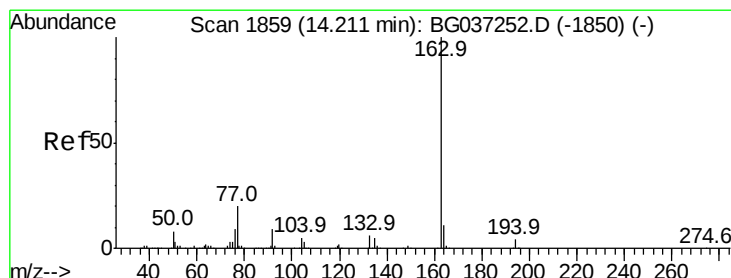
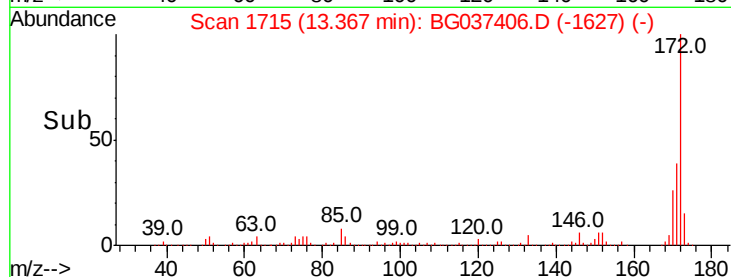
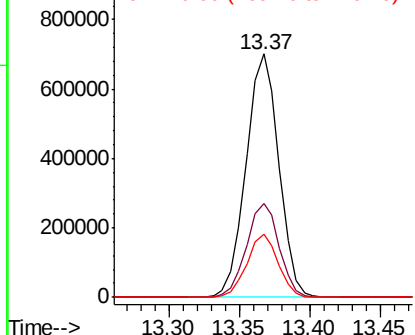
#45  
2-Fluorobiphenyl  
Concen: 88.162 ng  
RT: 13.37 min Scan# 1715  
Delta R.T. -0.02 min  
Lab File: BG037406.D  
Acq: 18 Oct 2018 1:19

Instrument :  
BNA\_G  
ClientSampleId :  
101518-SIDI-E-U-M

Tot Ion:172 Resp: 1138005  
Ion Ratio Lower Upper  
172 100  
171 38.6 31.0 46.4  
170 26.0 20.2 30.2

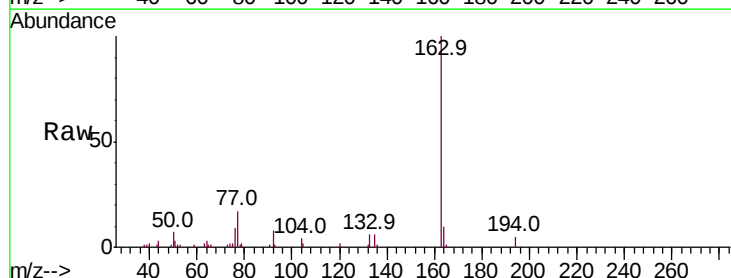


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

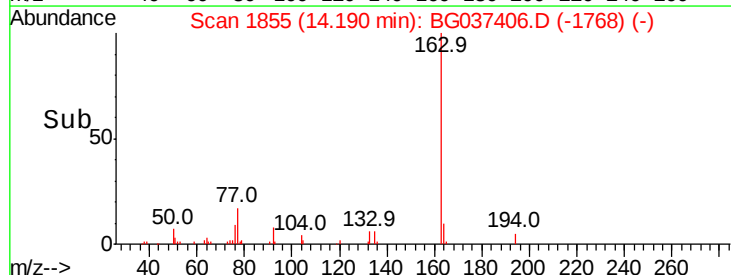
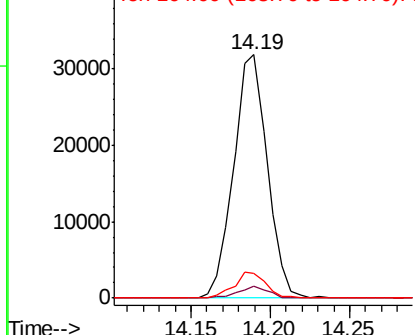


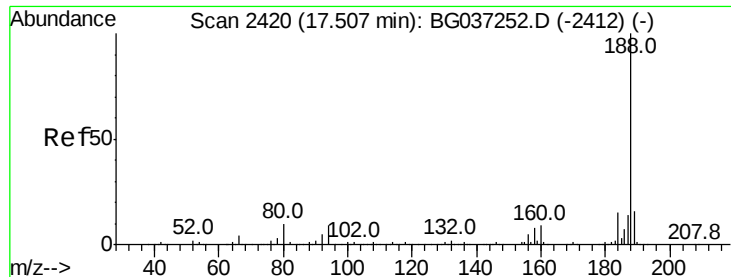
#50  
Dimethylphthalate  
Concen: 3.086 ng  
RT: 14.19 min Scan# 1855  
Delta R.T. -0.02 min  
Lab File: BG037406.D  
Acq: 18 Oct 2018 1:19

Tgt Ion:163 Resp: 47008  
Ion Ratio Lower Upper  
163 100  
194 4.6 3.5 5.3  
164 10.2 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

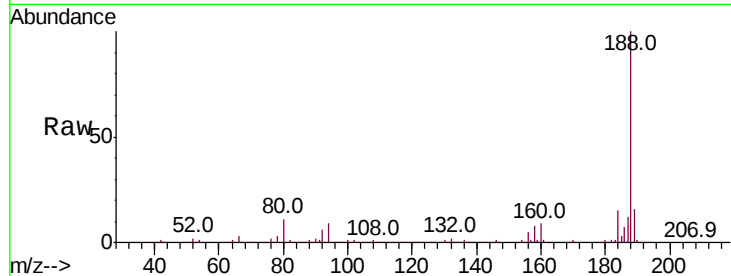




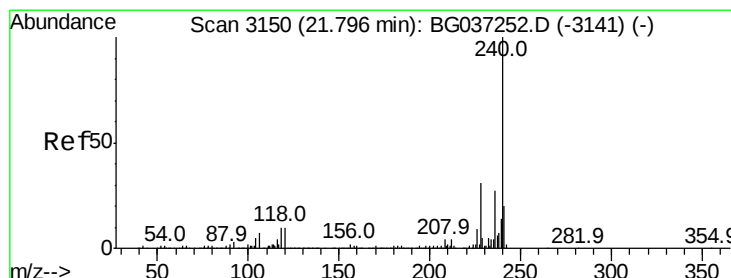
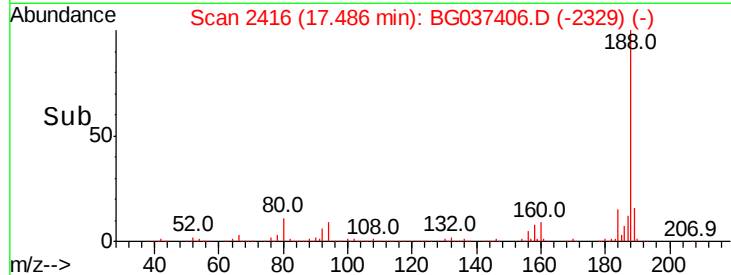
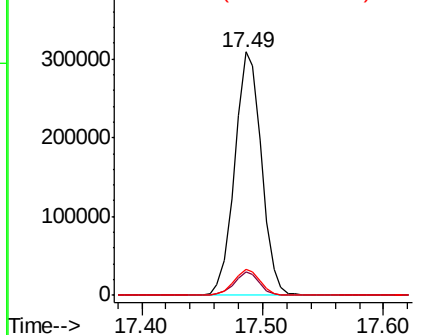
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.49 min Scan# 2416  
Delta R.T. -0.02 min  
Lab File: BG037406.D  
Acq: 18 Oct 2018 1:19

Instrument :  
BNA\_G  
ClientSampleId :  
101518-SIDI-E-U-M

Tot Ion:188 Resp: 477007  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.2 10.8  
80 10.5 7.7 11.5

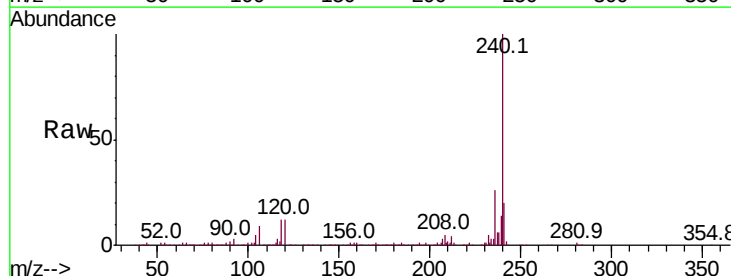


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

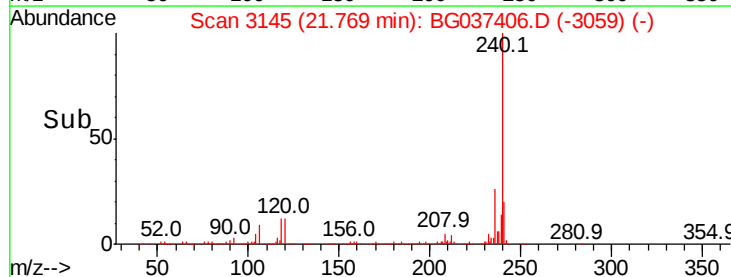
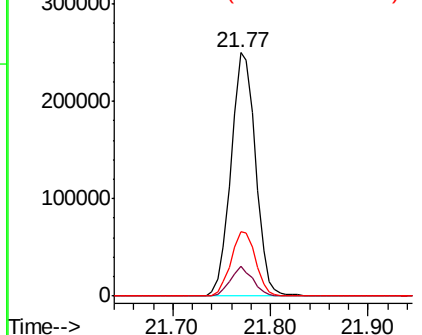


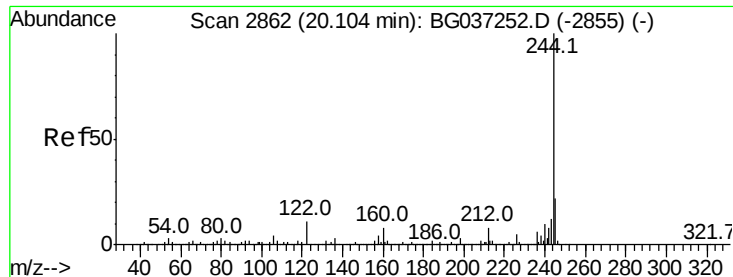
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.77 min Scan# 3145  
Delta R.T. -0.03 min  
Lab File: BG037406.D  
Acq: 18 Oct 2018 1:19

Tgt Ion:240 Resp: 437797  
Ion Ratio Lower Upper  
240 100  
120 12.2 8.1 12.1#  
236 26.4 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: 79.110 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.02 min

Lab File: BG037406.D

Acq: 18 Oct 2018 1:19

Instrument :

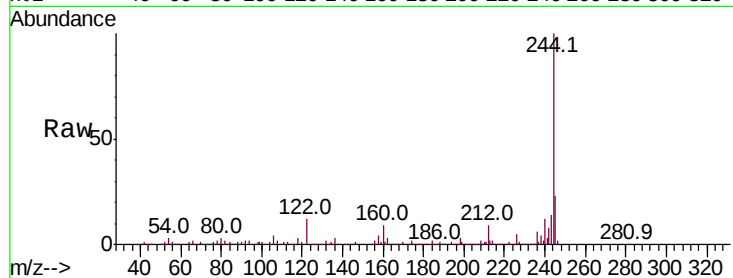
BNA\_G

ClientSampleId :

101518-SIDI-E-U-M

Tot Ion:244 Resp: 1649431

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.9   | 6.5   | 9.7   |
| 122 | 12.4  | 9.0   | 13.4  |

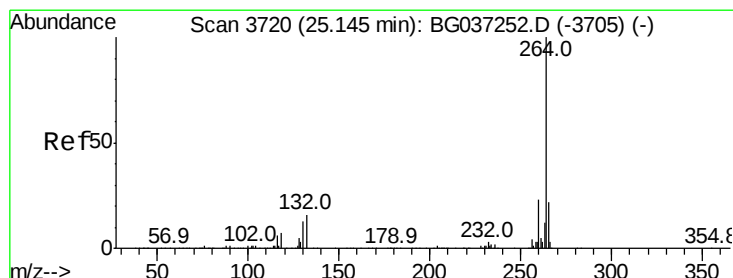
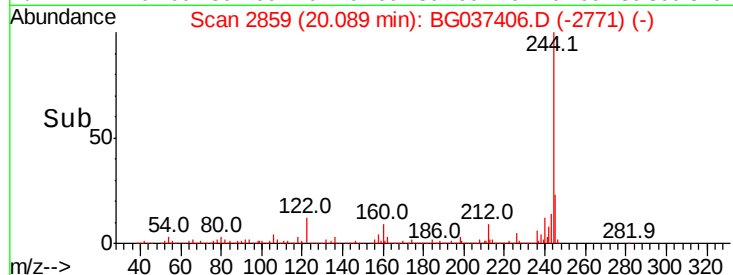
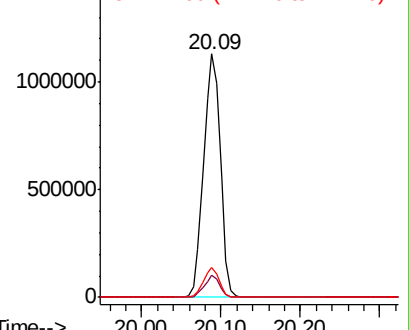


Abundance

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: 25.11 min Scan# 3713

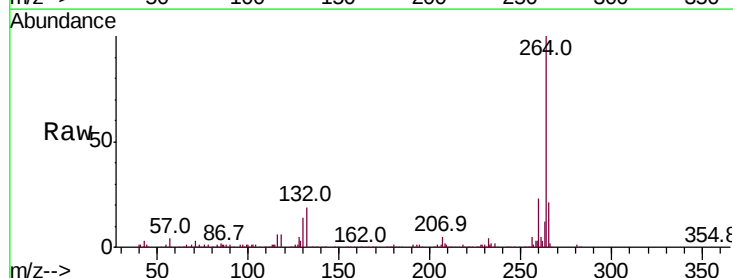
Delta R.T. -0.04 min

Lab File: BG037406.D

Acq: 18 Oct 2018 1:19

Tgt Ion:264 Resp: 444209

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.7  | 18.2  | 27.4  |
| 265 | 21.2  | 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

