

Data File : BG037828.D  
Acq On : 6 Nov 2018 7:40  
Operator : JU/SJ  
Sample : J5745-15  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
8A

Quant Time: Nov 06 08:24:38 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG101818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 18 14:06:42 2018  
Response via : Initial Calibration

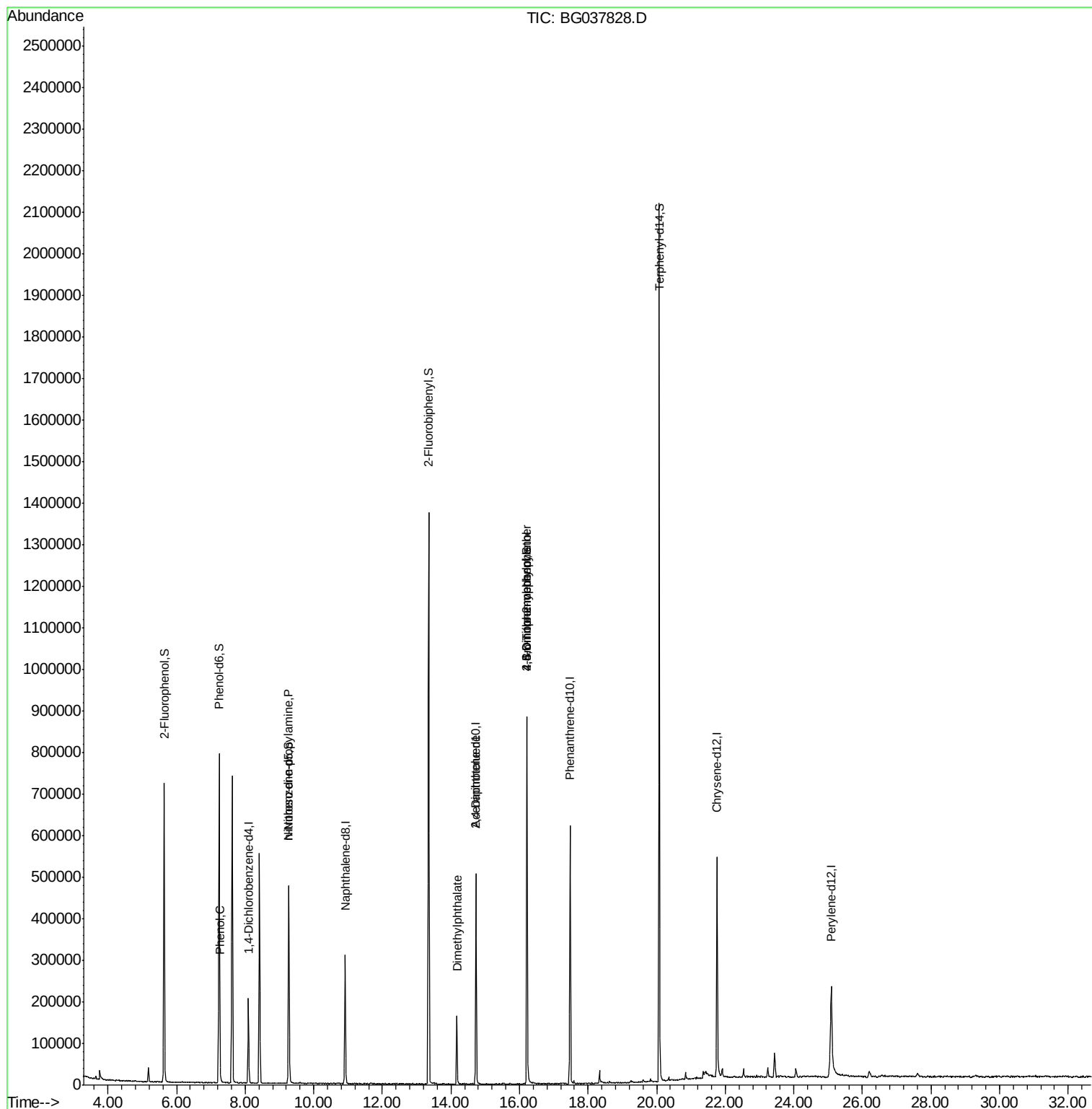
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.09  | 152  | 61707    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.91 | 136  | 278823   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10           | 14.73 | 164  | 182096   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10           | 17.48 | 188  | 400803   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12               | 21.76 | 240  | 355669   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12               | 25.09 | 264  | 319100   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.64  | 112  | 344643   | 93.38 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.24  | 99   | 519146   | 93.02 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.27  | 82   | 309358   | 62.15 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 16.22 | 330  | 165271   | 83.21 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.35 | 172  | 770595   | 63.81 | ng    | -0.02    |
| 79) Terphenyl-d14              | 20.07 | 244  | 1046528  | 62.87 | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       |          |
| 10) Phenol                     | 7.27  | 94   | 23525    | 3.995 | ng    | 96       |
| 19) n-Nitroso-di-n-propylamine | 9.27  | 70   | 38130    | 9.921 | ng    | # 70     |
| 50) Dimethylphthalate          | 14.17 | 163  | 122697   | 8.710 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.73 | 165  | 23541    | 5.755 | ng    | # 25     |
| 65) 4,6-Dinitro-2-methylphenol | 16.22 | 198  | 520      | 8.711 | ng    | 78       |
| 67) 4-Bromophenyl-phenylether  | 16.22 | 248  | 12271    | 2.788 | ng    | # 1      |

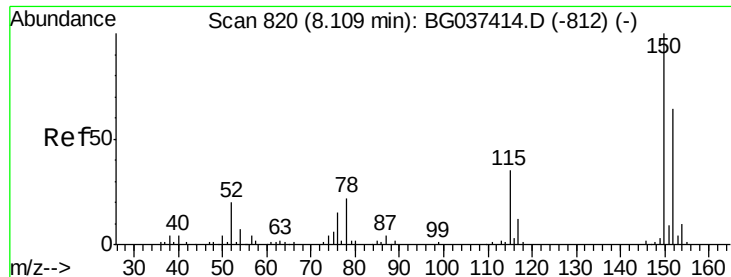
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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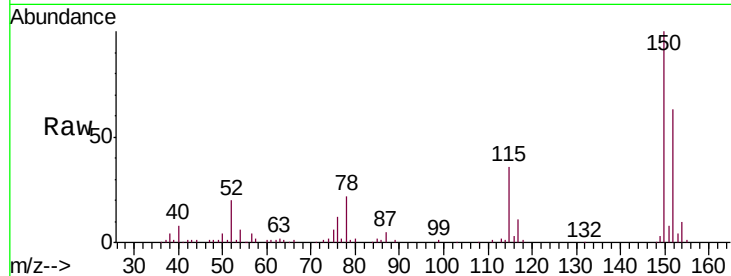


#1

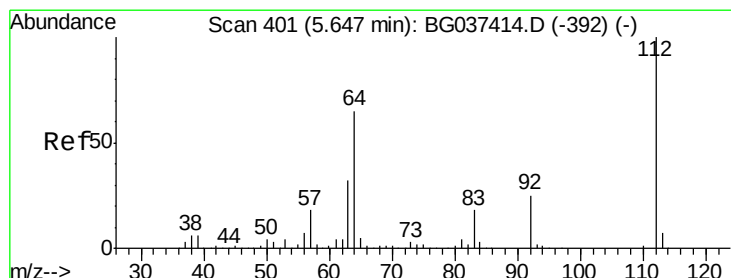
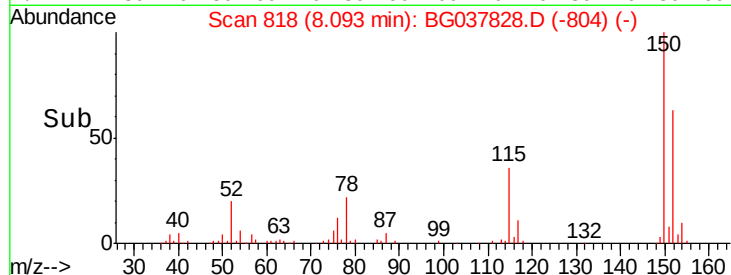
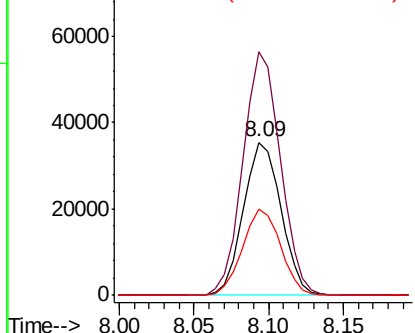
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.09 min Scan# 818  
Delta R.T. -0.02 min  
Lab File: BG037828.D  
Acq: 6 Nov 2018 7:40

Instrument :  
BNA\_G  
ClientSampleId :  
8A

Tgt Ion:152 Resp: 61707  
Ion Ratio Lower Upper  
152 100  
150 158.7 126.0 189.0  
115 56.4 45.5 68.3



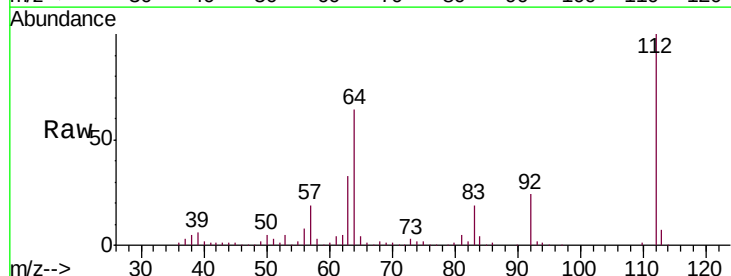
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



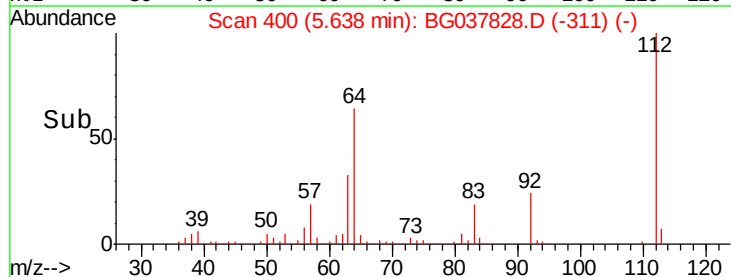
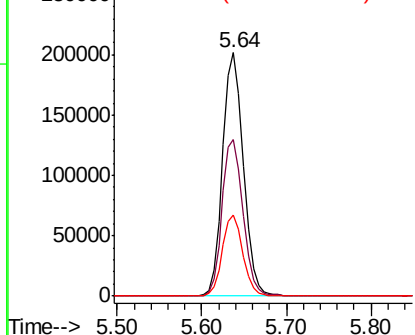
#5

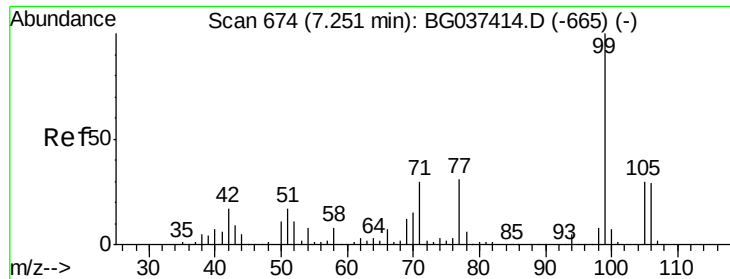
2-Fluorophenol  
Concen: 93.376 ng  
RT: 5.64 min Scan# 400  
Delta R.T. -0.01 min  
Lab File: BG037828.D  
Acq: 6 Nov 2018 7:40

Tgt Ion:112 Resp: 344643  
Ion Ratio Lower Upper  
112 100  
64 64.4 53.1 79.7  
63 33.1 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: 93.018 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037828.D

Acq: 6 Nov 2018 7:40

Instrument :

BNA\_G

ClientSampleId :

8A

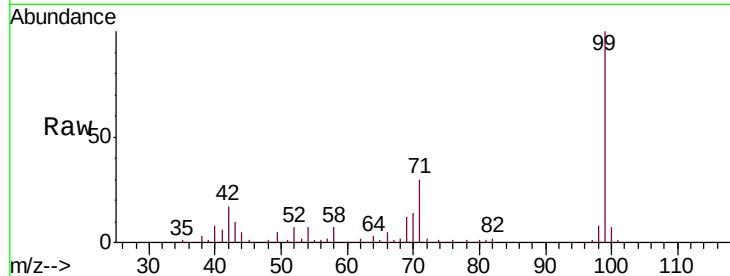
Tgt Ion: 99 Resp: 519146

Ion Ratio Lower Upper

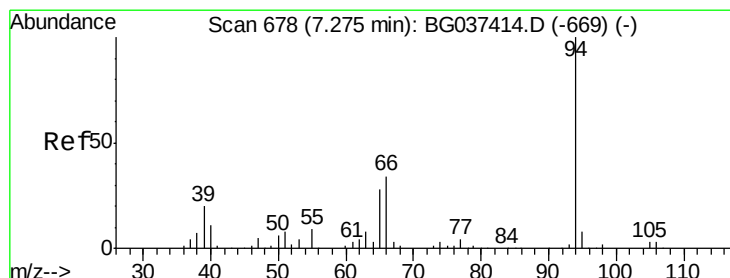
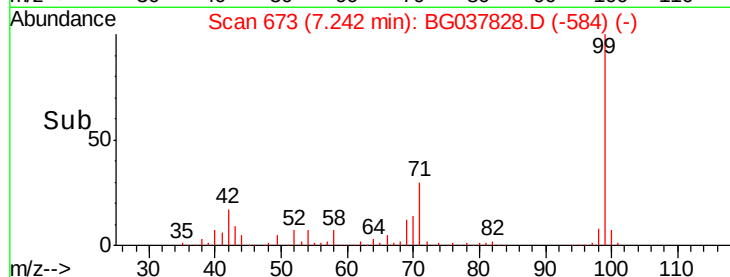
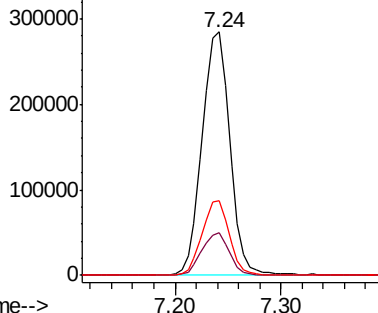
99 100

42 17.5 15.0 22.4

71 30.4 25.5 38.3



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



#10

Phenol

Concen: 3.995 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037828.D

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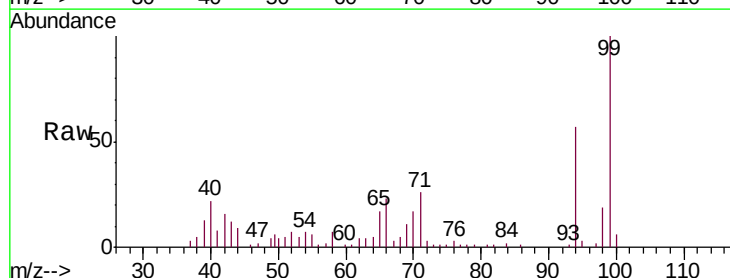
Tgt Ion: 94 Resp: 23525

Ion Ratio Lower Upper

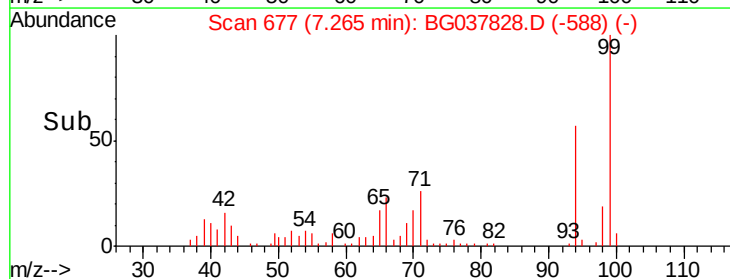
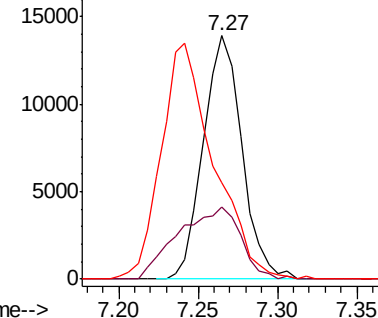
94 100

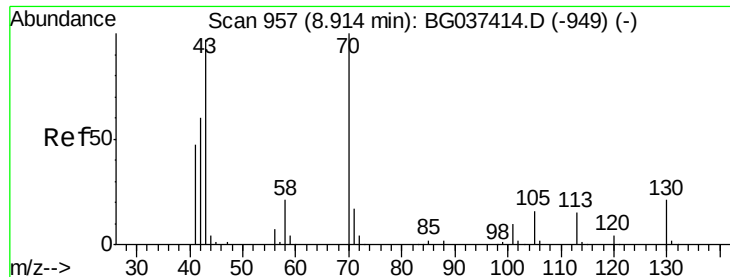
65 29.4 9.7 49.7

66 39.8 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

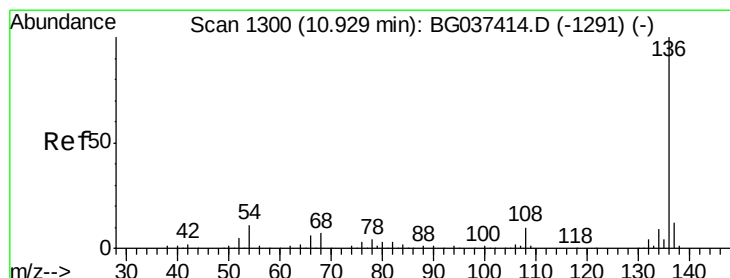
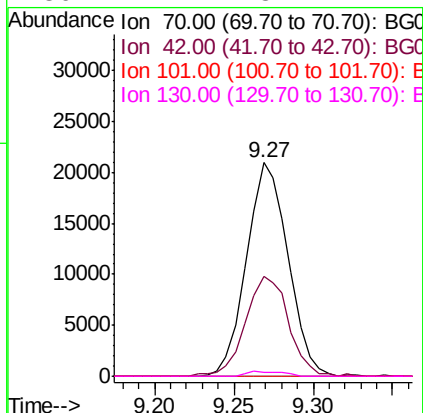
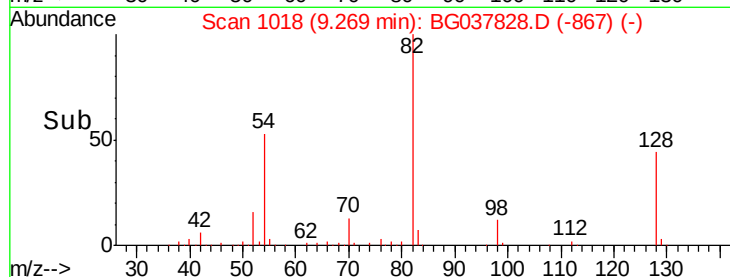
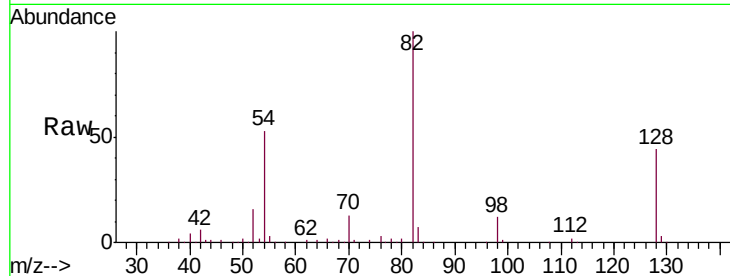




#19  
n-Nitroso-di-n-propylamine  
Concen: 9.921 ng  
RT: 9.27 min Scan# 1018  
Delta R.T. 0.35 min  
Lab File: BG037828.D  
Acq: 6 Nov 2018 7:40

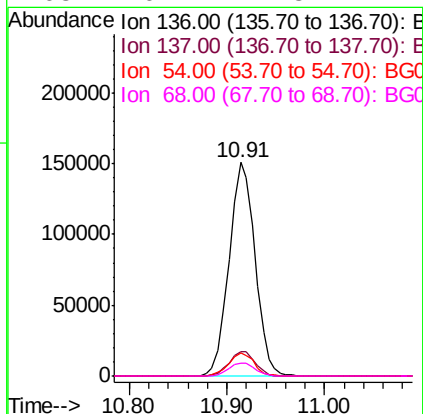
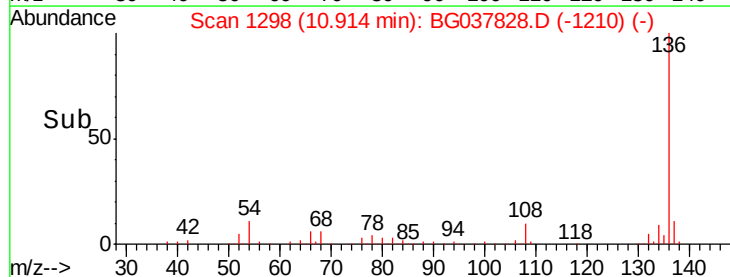
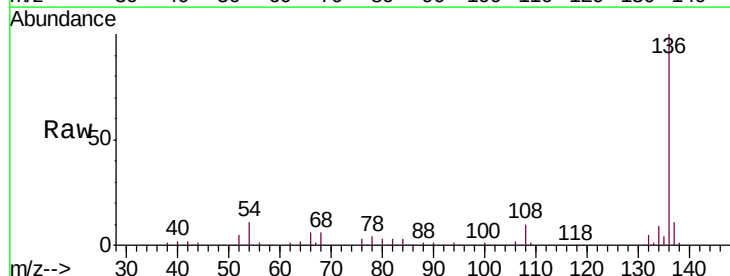
Instrument :  
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ClientSampleId :  
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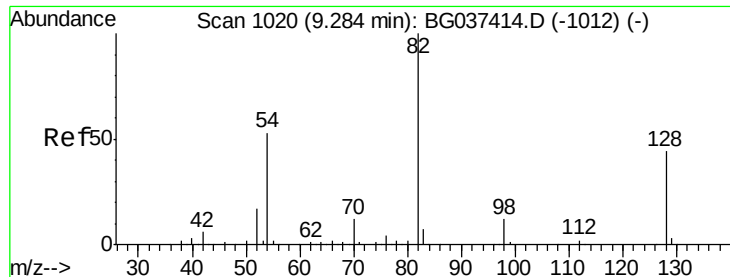
Tgt Ion: 70 Resp: 38130  
Ion Ratio Lower Upper  
70 100  
42 47.0 53.9 80.9#  
101 0.0 8.2 12.2#  
130 1.7 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.91 min Scan# 1298  
Delta R.T. -0.02 min  
Lab File: BG037828.D  
Acq: 6 Nov 2018 7:40

Tgt Ion: 136 Resp: 278823  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.6 14.4  
54 10.6 7.9 11.9  
68 6.2 4.8 7.2

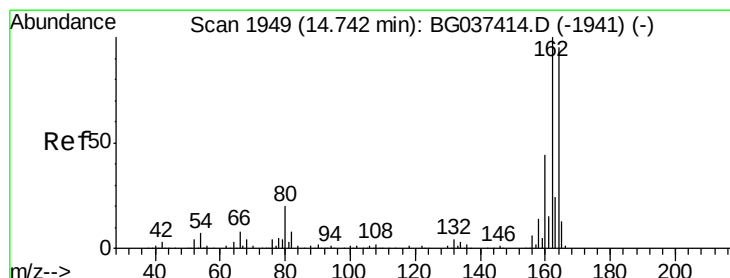
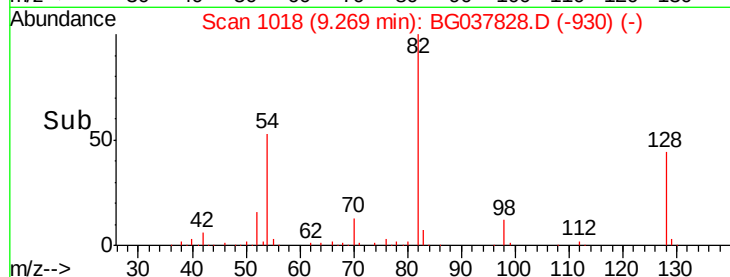
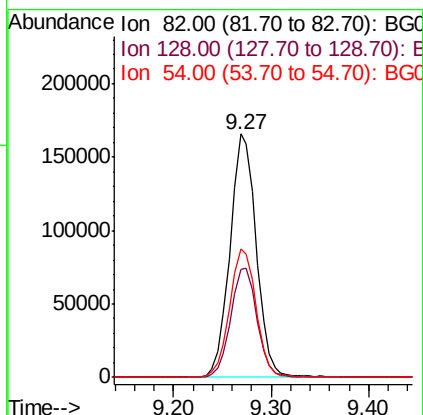
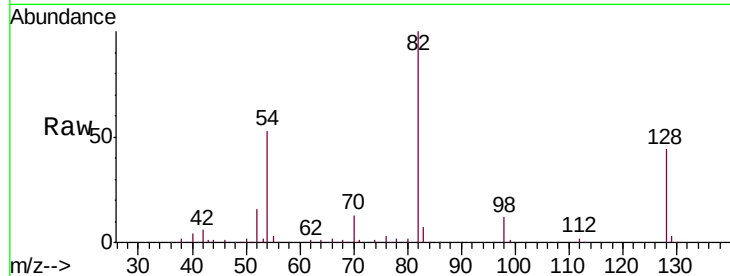




#23  
Nitrobenzene-d5  
Concen: 62.154 ng  
RT: 9.27 min Scan# 1018  
Delta R.T. -0.02 min  
Lab File: BG037828.D  
Acq: 6 Nov 2018 7:40

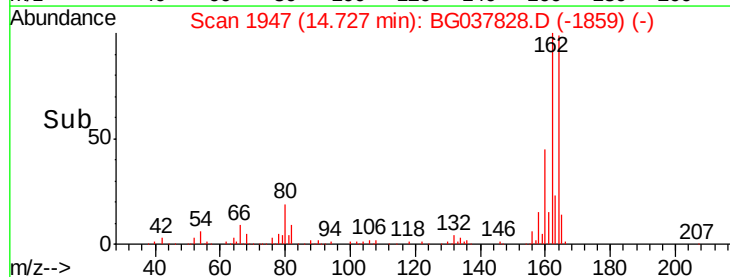
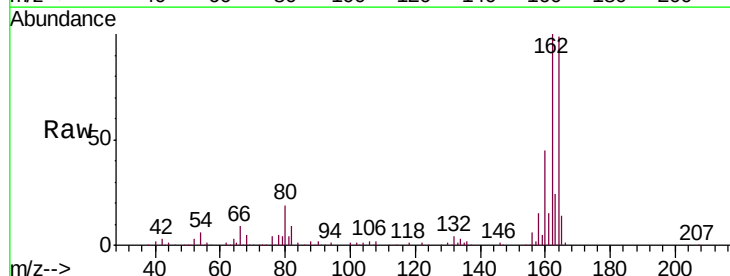
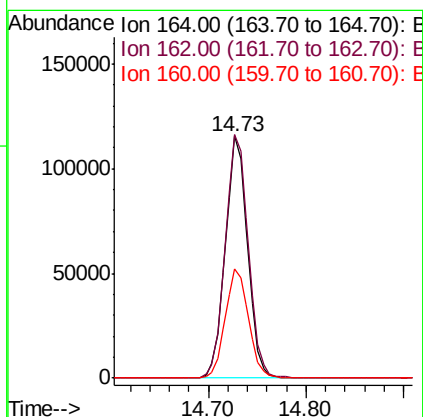
Instrument :  
BNA\_G  
ClientSampleId :  
8A

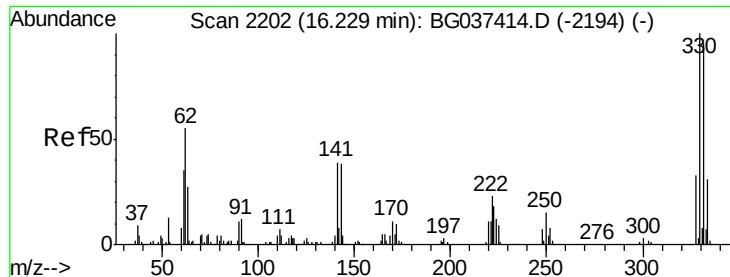
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.5  | 34.6  | 51.8  |
| 54      | 52.6  | 45.3  | 67.9  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.73 min Scan# 1947  
Delta R.T. -0.02 min  
Lab File: BG037828.D  
Acq: 6 Nov 2018 7:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.7 | 81.3  | 121.9 |
| 160     | 45.1  | 36.3  | 54.5  |

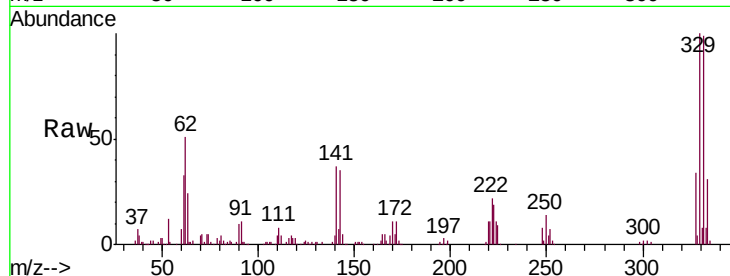




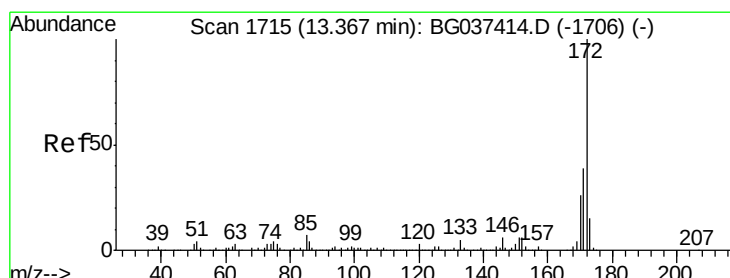
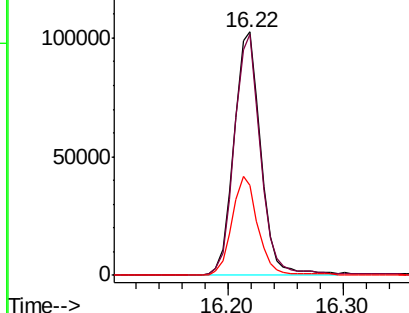
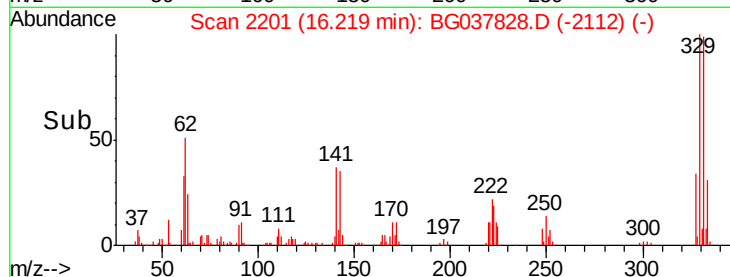
#42  
 2,4,6-Tribromophenol  
 Concen: 83.214 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. -0.01 min  
 Lab File: BG037828.D  
 Acq: 6 Nov 2018 7:40

Instrument :  
 BNA\_G  
 ClientSampled :  
 8A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.4  | 78.4  | 117.6 |
| 141     | 39.5  | 32.2  | 48.2  |

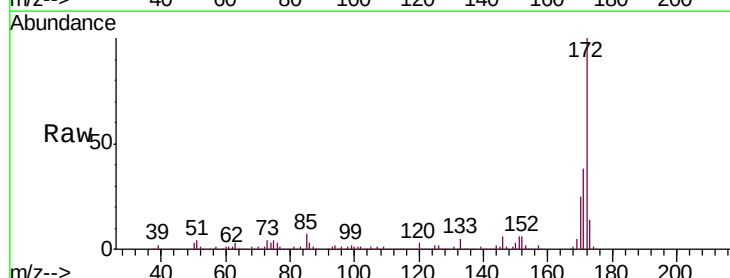


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

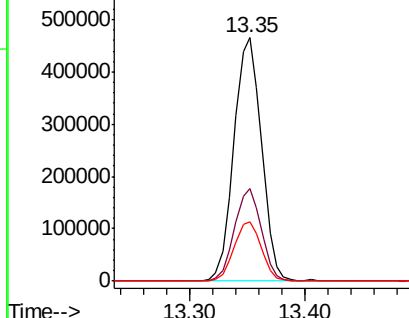
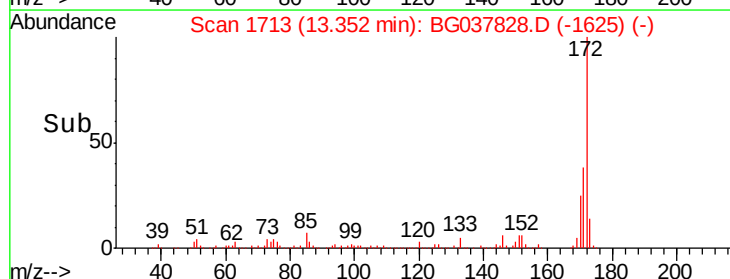


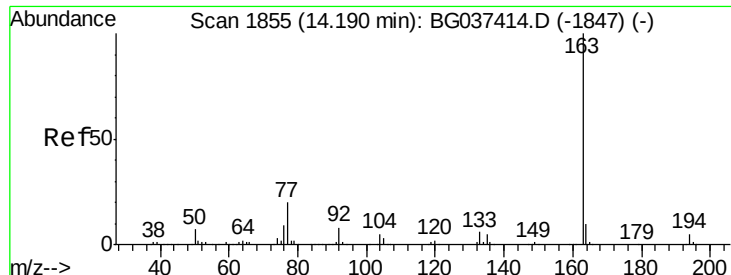
#45  
 2-Fluorobiphenyl  
 Concen: 63.813 ng  
 RT: 13.35 min Scan# 1713  
 Delta R.T. -0.02 min  
 Lab File: BG037828.D  
 Acq: 6 Nov 2018 7:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.2  | 31.0  | 46.4  |
| 170     | 24.6  | 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: 8.710 ng

RT: 14.17 min Scan# 1853

Delta R.T. -0.02 min

Lab File: BG037828.D

Acq: 6 Nov 2018 7:40

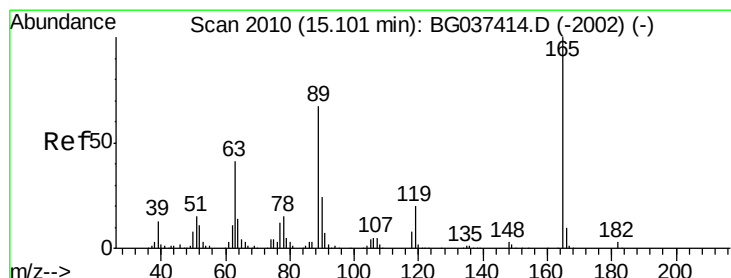
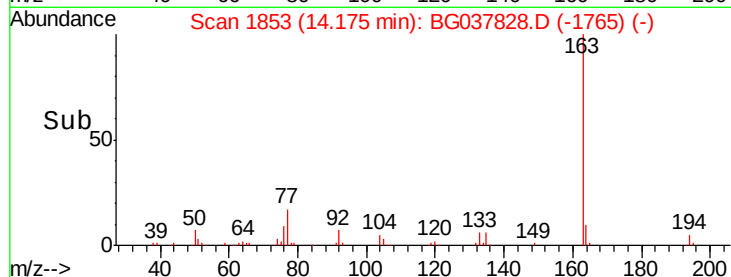
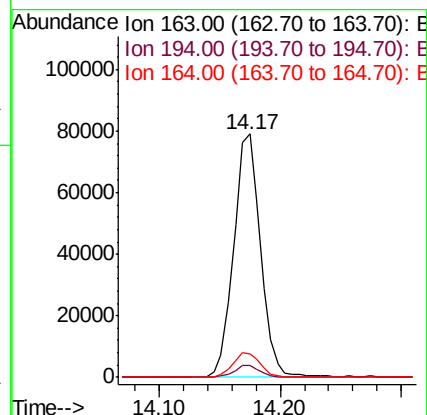
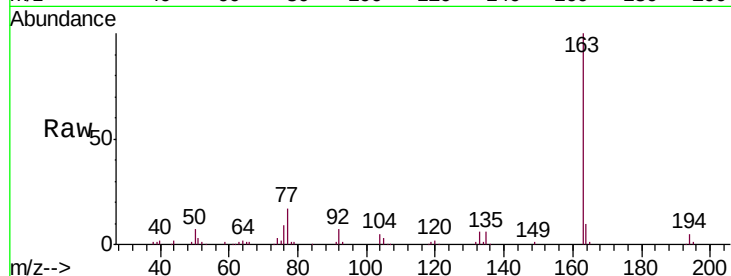
Instrument :

BNA\_G

ClientSampleId :

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 163   | Resp: | 122697 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 4.7   | 3.5   | 5.3    |
| 164      | 9.8   | 8.5   | 12.7   |



#57

2,4-Dinitrotoluene

Concen: 5.755 ng

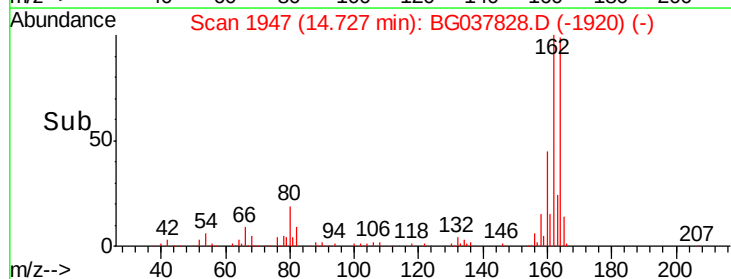
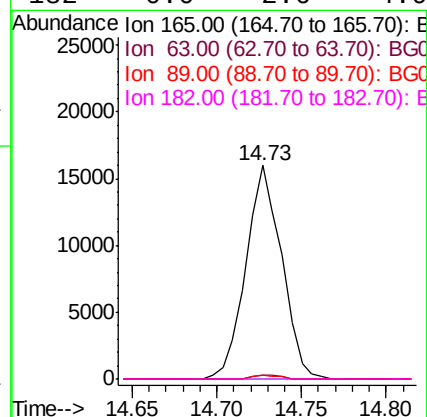
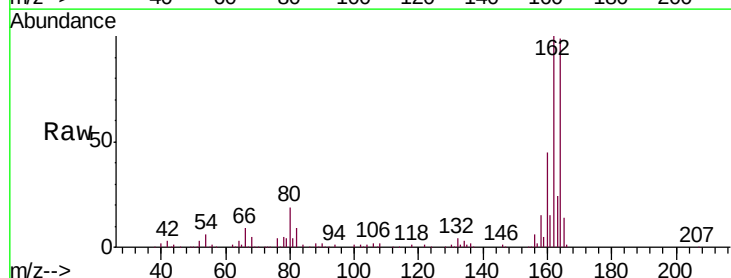
RT: 14.73 min Scan# 1947

Delta R.T. -0.37 min

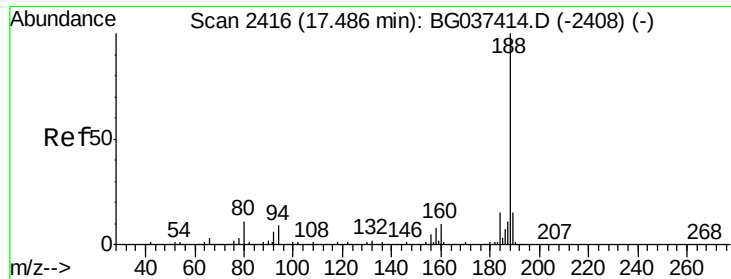
Lab File: BG037828.D

Acq: 6 Nov 2018 7:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 23541 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.5   | 33.4  | 50.0# |
| 89       | 1.7   | 57.2  | 85.8# |
| 182      | 0.0   | 2.6   | 4.0#  |



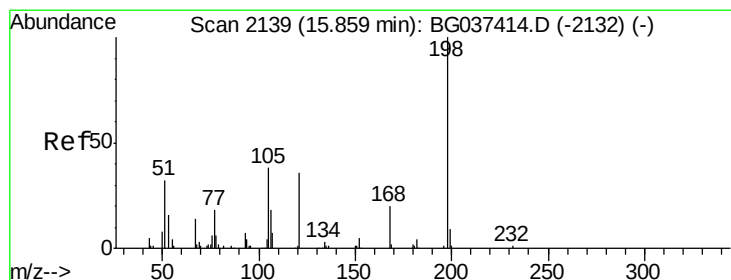
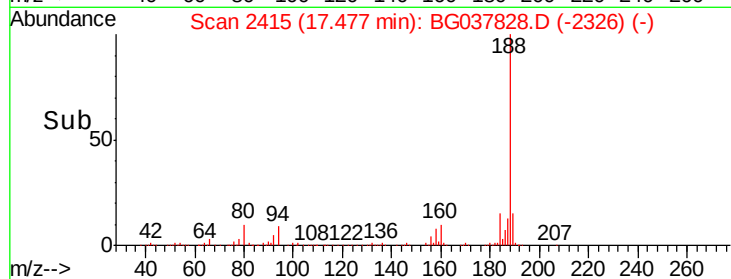
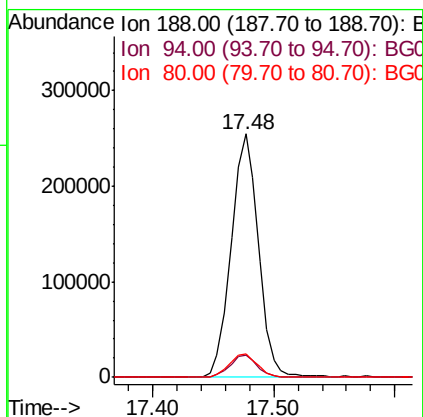
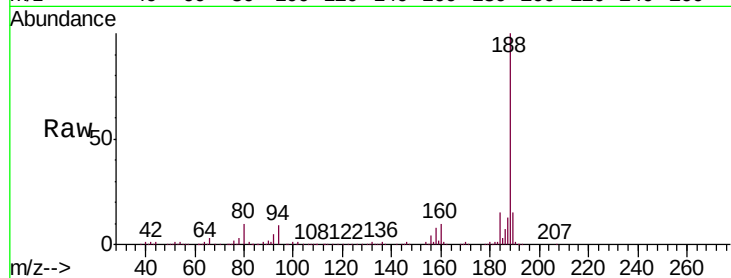




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.48 min Scan# 2415  
 Delta R.T. -0.01 min  
 Lab File: BG037828.D  
 Acq: 6 Nov 2018 7:40

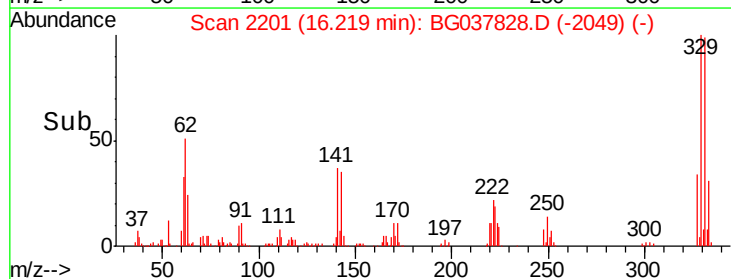
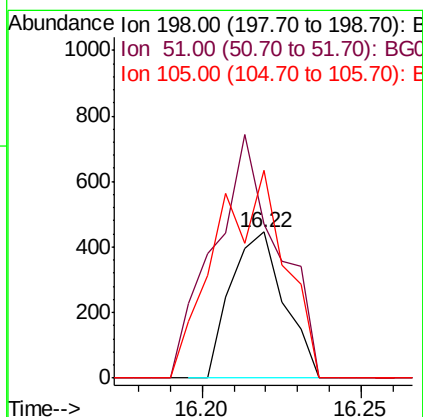
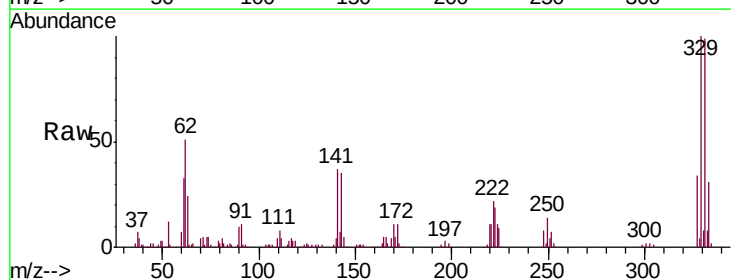
Instrument :  
 BNA\_G  
 ClientSampleId :  
 8A

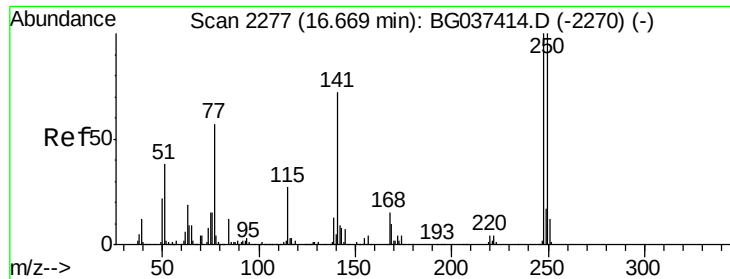
Tgt Ion:188 Resp: 400803  
 Ion Ratio Lower Upper  
 188 100  
 94 9.2 7.2 10.8  
 80 9.6 7.7 11.5



#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.711 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. 0.36 min  
 Lab File: BG037828.D  
 Acq: 6 Nov 2018 7:40

Tgt Ion:198 Resp: 520  
 Ion Ratio Lower Upper  
 198 100  
 51 23.6 22.7 62.7  
 105 31.7 19.7 59.7





#67

4-Bromophenyl-phenylether

Concen: 2.788 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037828.D

Acq: 6 Nov 2018 7:40

Instrument :

BNA\_G

ClientSampled :

8A

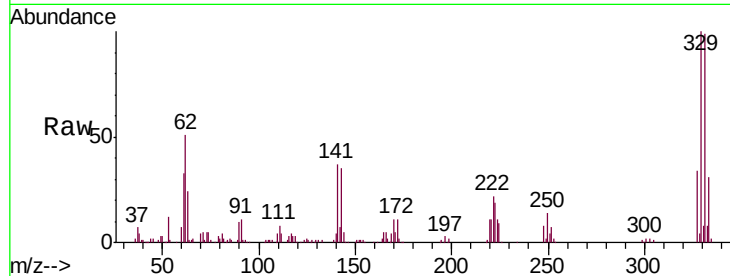
Tgt Ion:248 Resp: 12271

Ion Ratio Lower Upper

248 100

250 182.3 77.0 115.6#

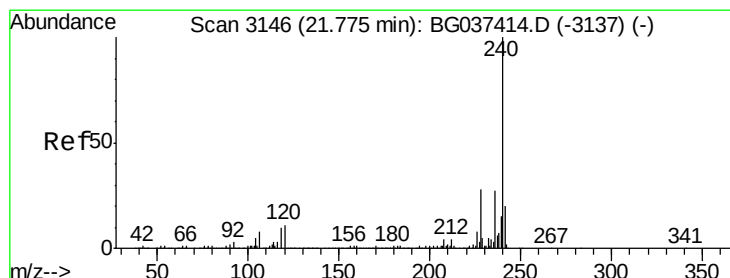
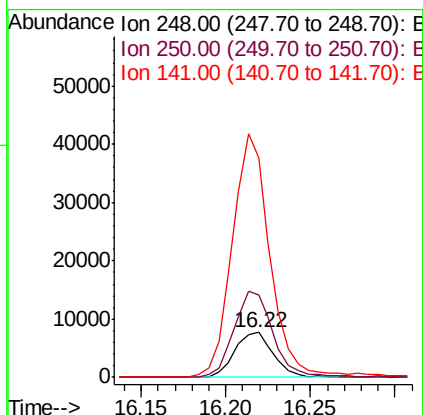
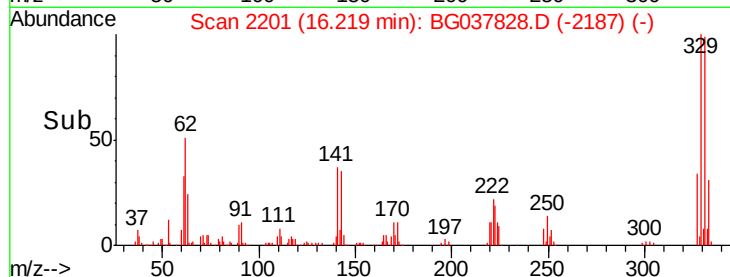
141 382.9 55.5 83.3#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.02 min

Lab File: BG037828.D

Acq: 6 Nov 2018 7:40

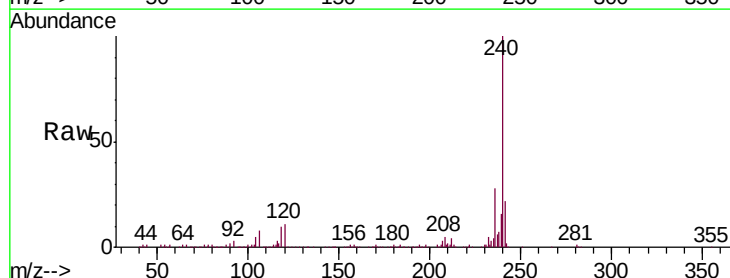
Tgt Ion:240 Resp: 355669

Ion Ratio Lower Upper

240 100

120 11.0 8.1 12.1

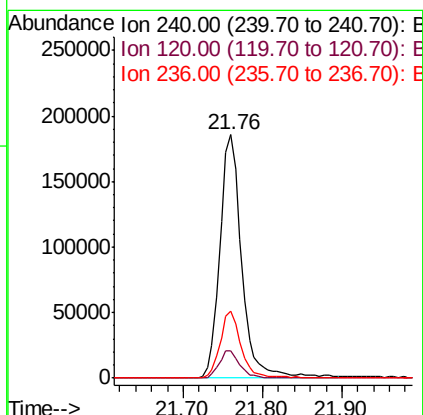
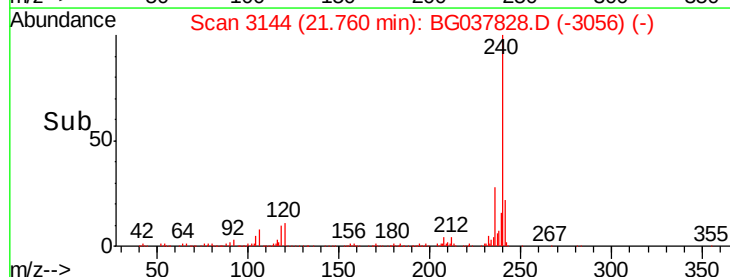
236 27.7 21.4 32.0

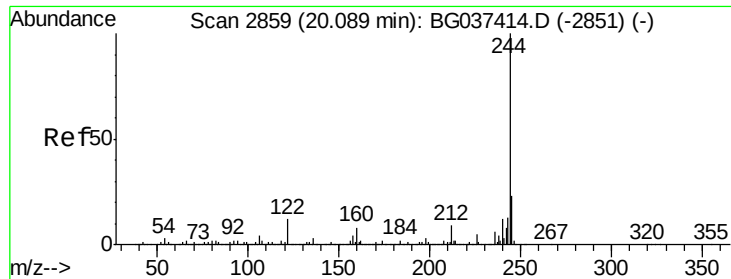


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 62.873 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.02 min

Lab File: BG037828.D

Acq: 6 Nov 2018 7:40

Instrument :

BNA\_G

ClientSampleId :

8A

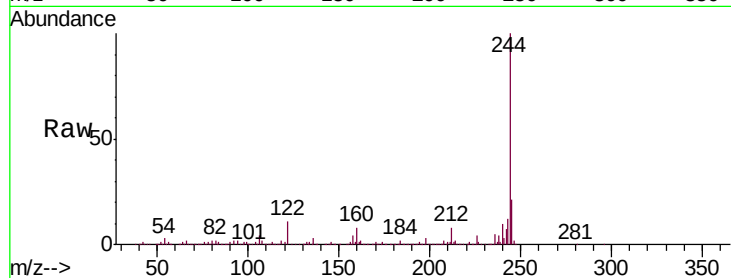
Tgt Ion:244 Resp: 1046528

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

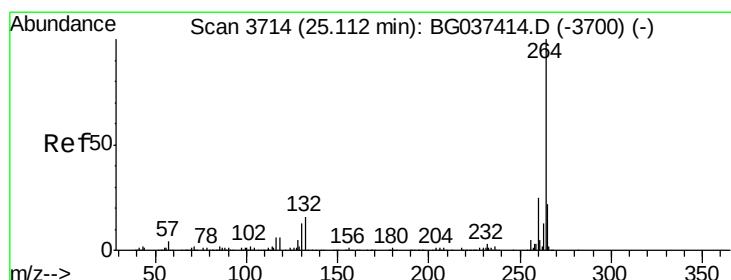
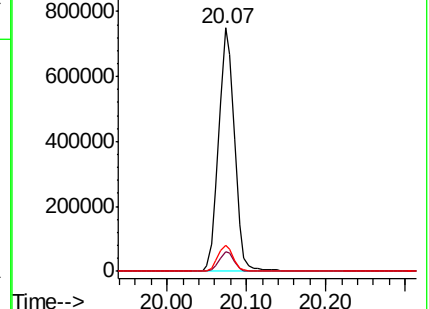
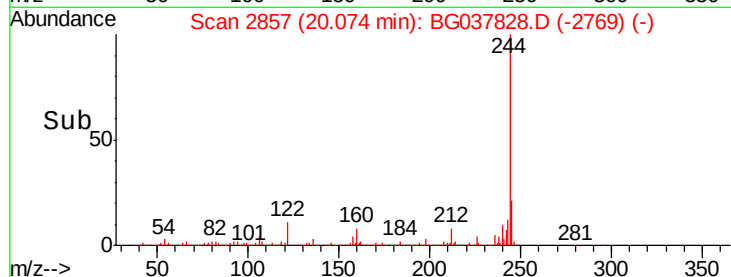
122 10.8 9.0 13.4



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: 25.09 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG037828.D

Acq: 6 Nov 2018 7:40

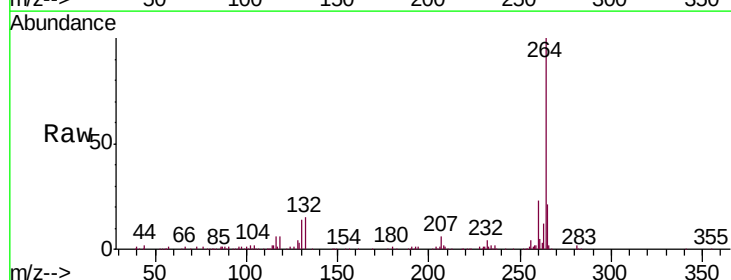
Tgt Ion:264 Resp: 319100

Ion Ratio Lower Upper

264 100

260 22.5 18.2 27.4

265 20.7 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

