

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG091718\  
 Data File : BG036775.D  
 Acq On : 18 Sep 2018 6:01  
 Operator : JU/SJ  
 Sample : J4936-38  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 132-1-VOLT

Quant Time: Sep 18 07:12:37 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 31 13:03:20 2018  
 Response via : Initial Calibration

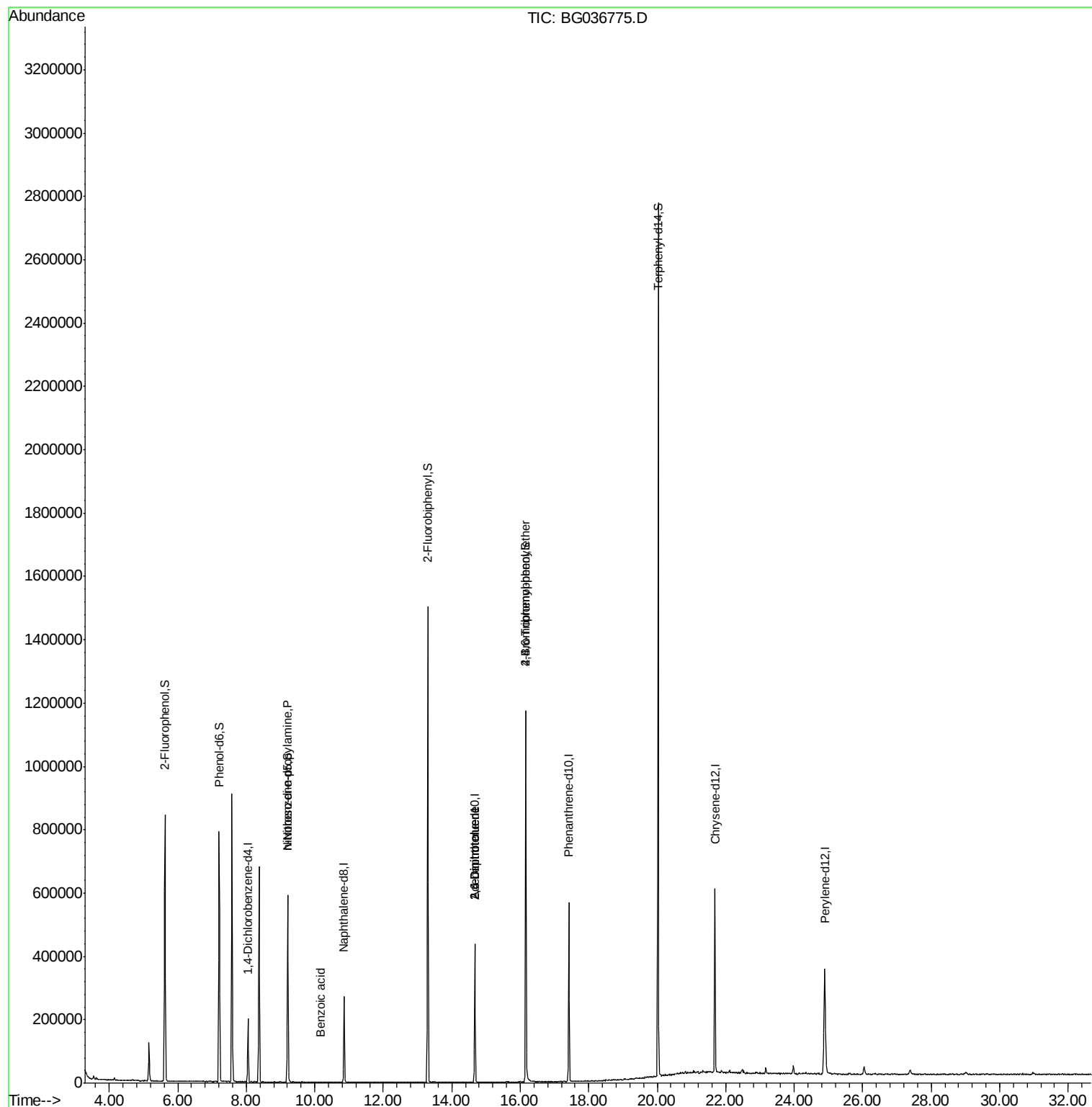
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.05  | 152  | 54215    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 10.85 | 136  | 224693   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 14.67 | 164  | 143276   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 17.42 | 188  | 355943   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 21.68 | 240  | 367188   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 24.89 | 264  | 375270   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.63  | 112  | 354083   | 103.60 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.21  | 99   | 450764   | 92.12  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.21  | 82   | 356249   | 86.02  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 16.16 | 330  | 219743   | 128.53 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 13.30 | 172  | 779644   | 77.70  | ng    | -0.01    |
| 78) Terphenyl-d14              | 20.03 | 244  | 1278926  | 81.41  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.21  | 70   | 45999    | 12.578 | ng    | # 72     |
| 32) Benzoic acid               | 10.17 | 122  | 56       | 4.500  | ng    | # 1      |
| 50) 2,6-Dinitrotoluene         | 14.67 | 165  | 18842    | 7.827  | ng    | # 22     |
| 56) 2,4-Dinitrotoluene         | 14.67 | 165  | 18842    | 6.005  | ng    | # 20     |
| 66) 4-Bromophenyl-phenylether  | 16.16 | 248  | 15367    | 3.687  | ng    | # 1      |

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

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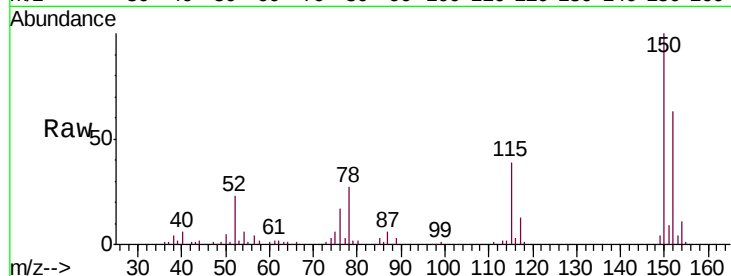


#1

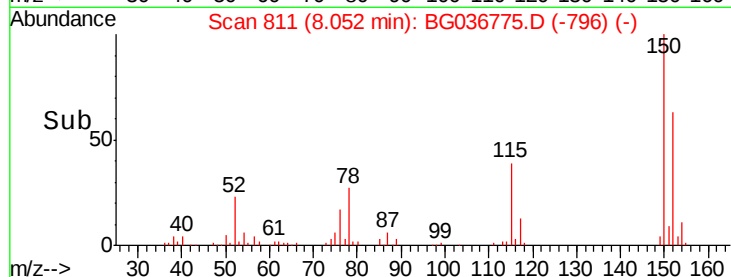
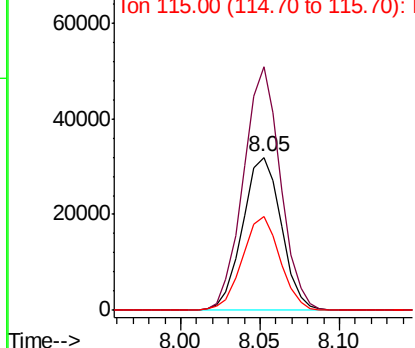
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 811  
Delta R.T. -0.01 min  
Lab File: BG036775.D  
Acq: 18 Sep 2018 6:01

Instrument :  
BNA\_G  
ClientSampleId :  
132-1-VOLT

Tgt Ion:152 Resp: 54215  
Ion Ratio Lower Upper  
152 100  
150 159.0 119.5 179.3  
115 61.4 44.5 66.7



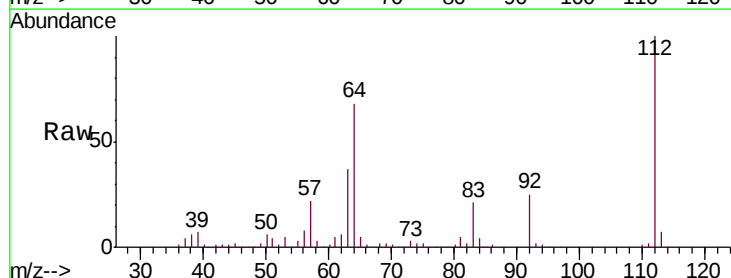
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



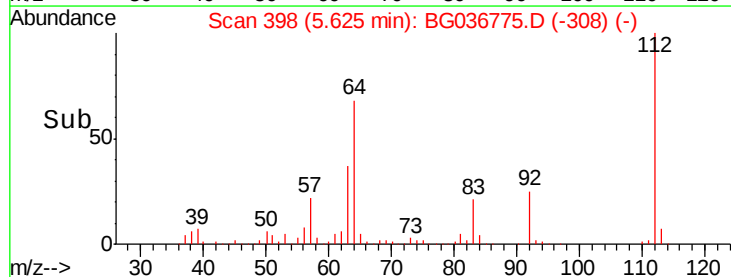
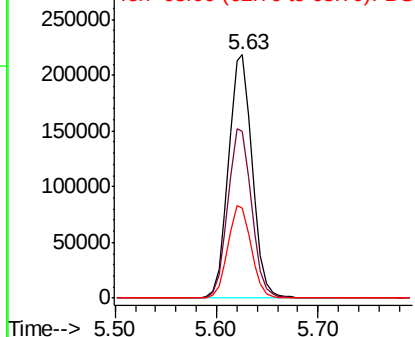
#5

2-Fluorophenol  
Concen: 103.602 ng  
RT: 5.63 min Scan# 398  
Delta R.T. 0.00 min  
Lab File: BG036775.D  
Acq: 18 Sep 2018 6:01

Tgt Ion:112 Resp: 354083  
Ion Ratio Lower Upper  
112 100  
64 68.4 57.2 85.8  
63 36.8 30.8 46.2



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: 92.118 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036775.D

Acq: 18 Sep 2018 6:01

Instrument :

BNA\_G

ClientSampleId :

132-1-VOLT

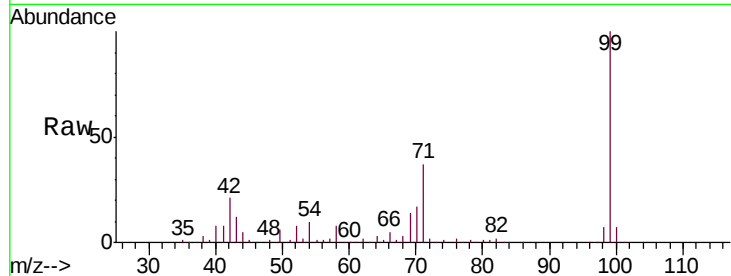
Tgt Ion: 99 Resp: 450764

Ion Ratio Lower Upper

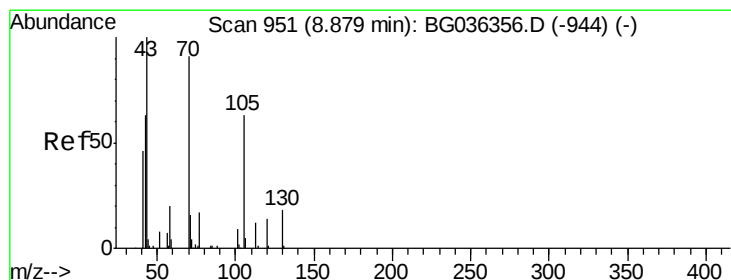
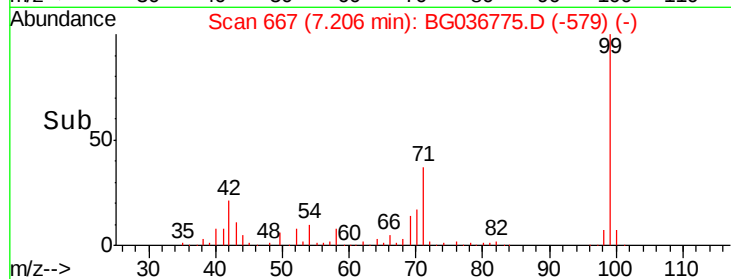
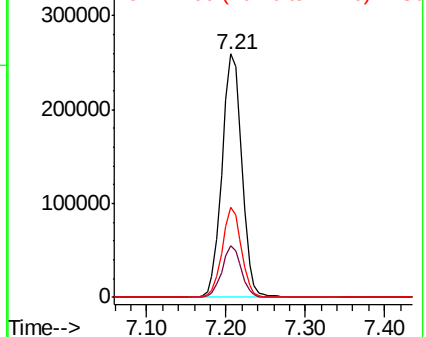
99 100

42 21.2 16.5 24.7

71 37.0 29.4 44.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.578 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036775.D

Acq: 18 Sep 2018 6:01

Tgt Ion: 70 Resp: 45999

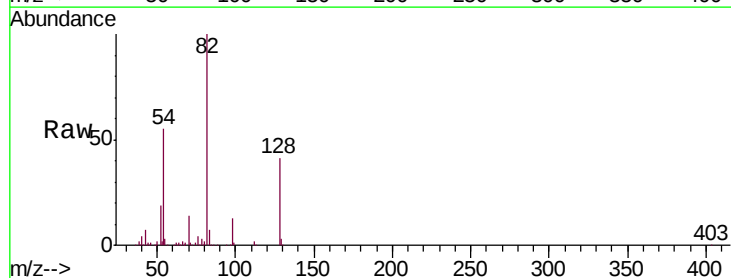
Ion Ratio Lower Upper

70 100

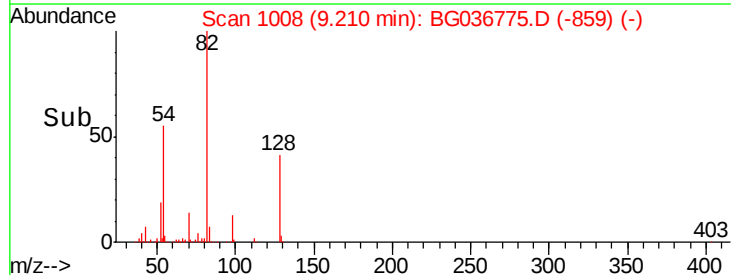
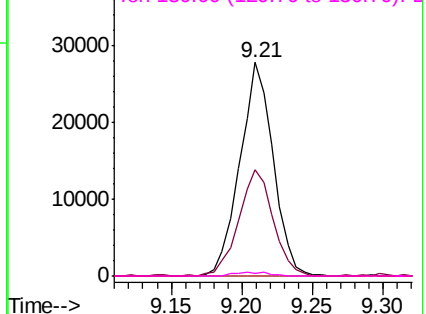
42 49.9 56.2 84.4#

101 0.0 7.8 11.6#

130 1.4 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

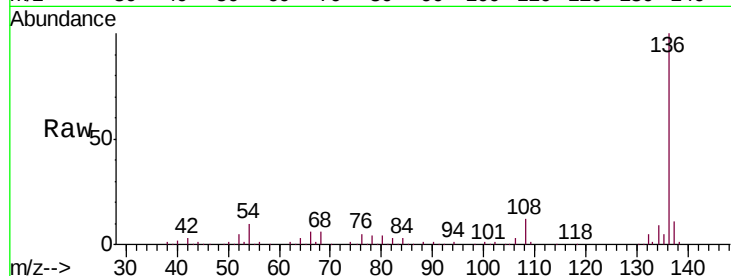




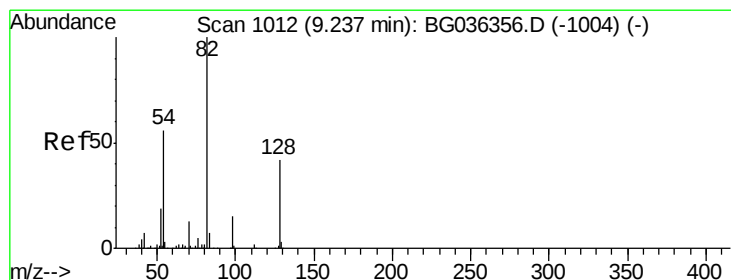
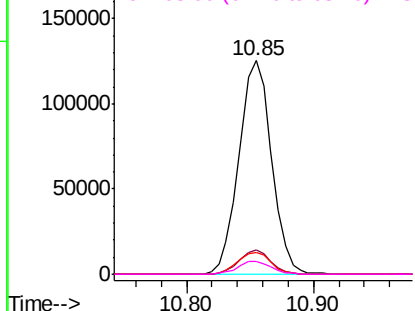
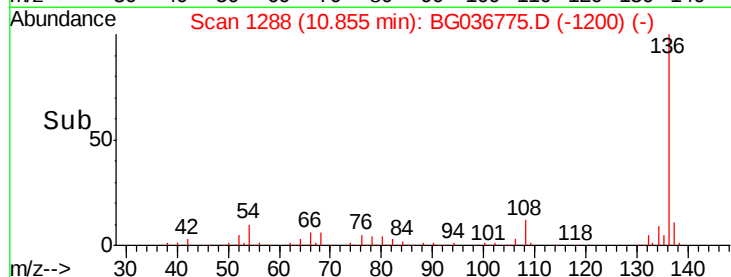
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.85 min Scan# 1288  
Delta R.T. -0.01 min  
Lab File: BG036775.D  
Acq: 18 Sep 2018 6:01

Instrument :  
BNA\_G  
ClientSampleId :  
132-1-VOLT

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 224693 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.5  | 8.8   | 13.2   |
| 54       | 10.3  | 9.2   | 13.8   |
| 68       | 5.8   | 5.8   | 8.6    |

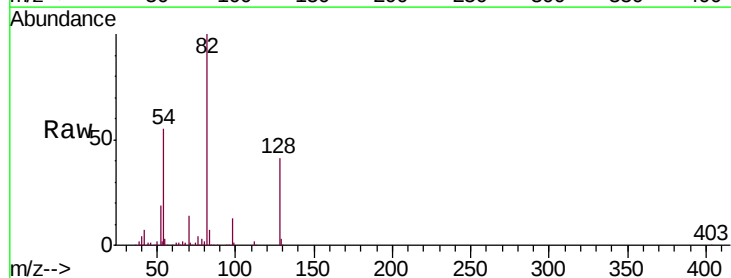


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

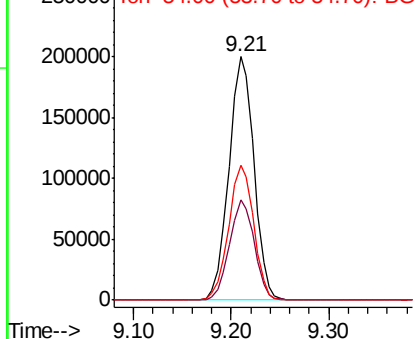
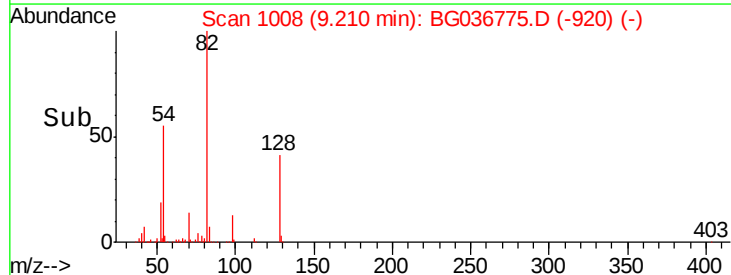


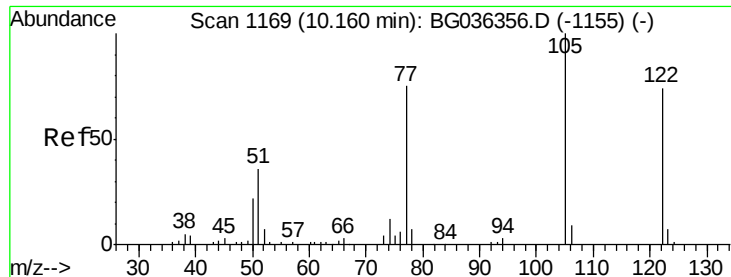
#23  
Nitrobenzene-d5  
Concen: 86.024 ng  
RT: 9.21 min Scan# 1008  
Delta R.T. -0.01 min  
Lab File: BG036775.D  
Acq: 18 Sep 2018 6:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 356249 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.0  | 33.3  | 49.9   |
| 54       | 55.5  | 45.1  | 67.7   |



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





#32

Benzoic acid

Concen: 4.500 ng

RT: 10.17 min Scan# 1171

Delta R.T. 0.01 min

Lab File: BG036775.D

Acq: 18 Sep 2018 6:01

Instrument :

BNA\_G

ClientSampleId :

132-1-VOLT

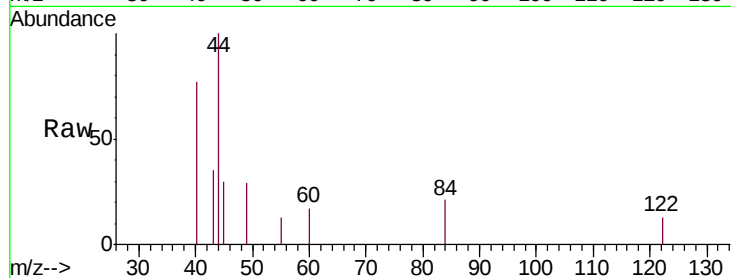
Tgt Ion:122 Resp: 56

Ion Ratio Lower Upper

122 100

105 0.0 108.1 148.1#

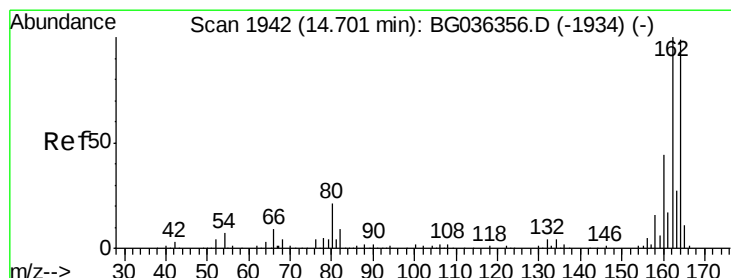
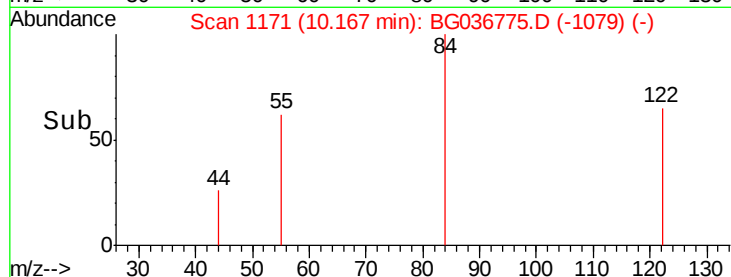
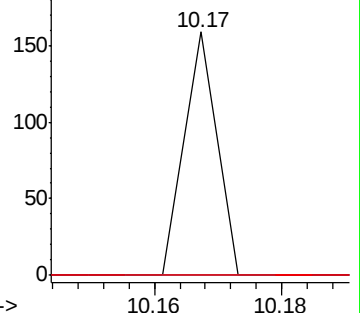
77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036775.D

Acq: 18 Sep 2018 6:01

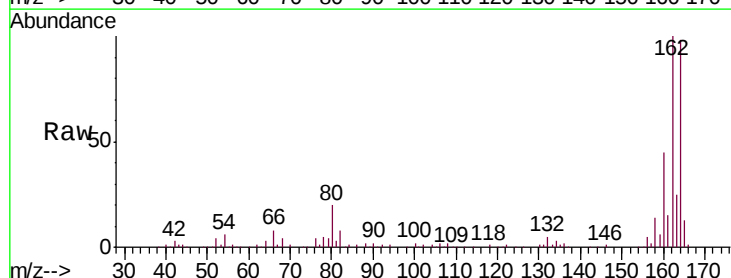
Tgt Ion:164 Resp: 143276

Ion Ratio Lower Upper

164 100

162 101.9 80.7 121.1

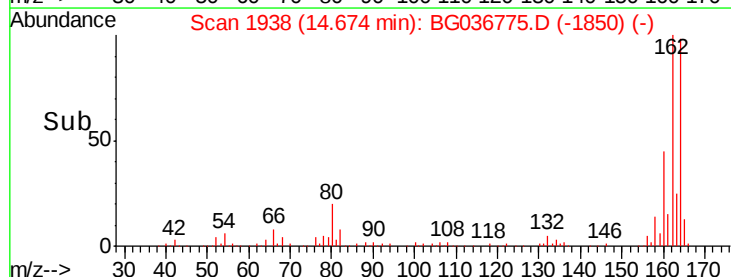
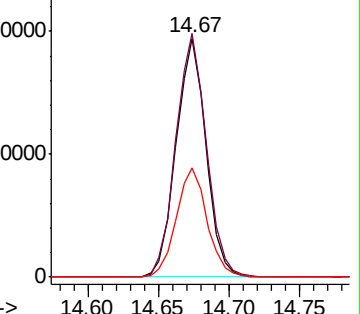
160 45.6 35.3 52.9

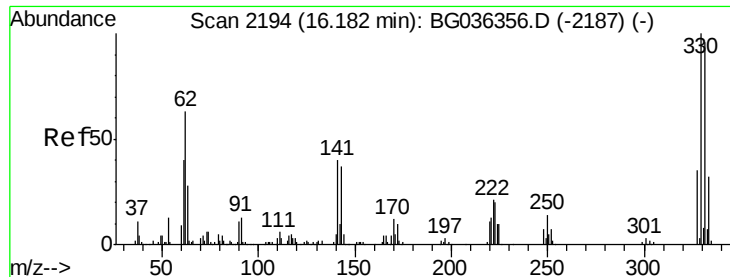


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

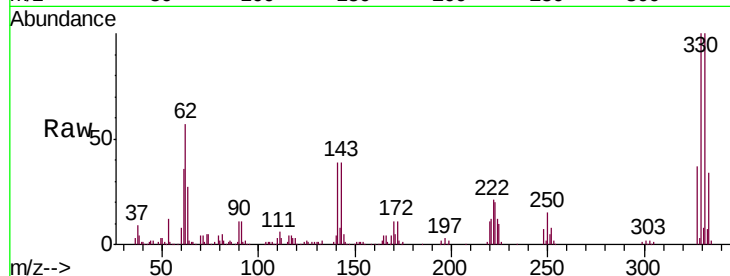




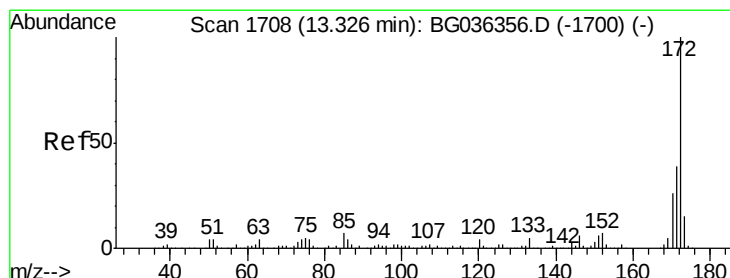
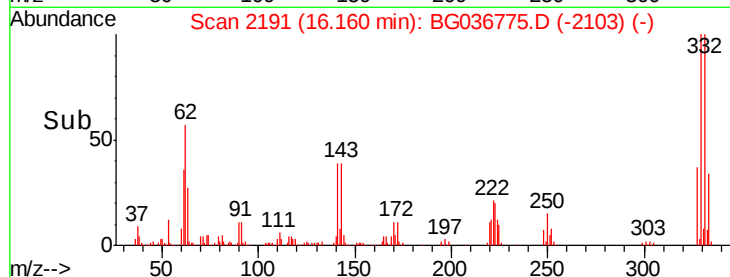
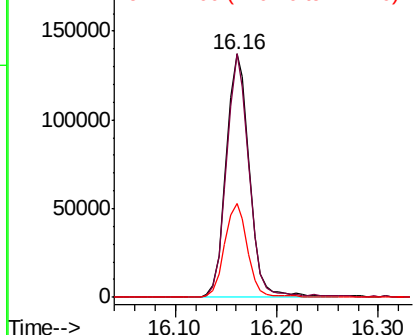
#41  
 2,4,6-Tribromophenol  
 Concen: 128.535 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.01 min  
 Lab File: BG036775.D  
 Acq: 18 Sep 2018 6:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 132-1-VOLT

Tgt Ion: 330 Resp: 219743  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 75.4 113.2  
 141 37.8 30.7 46.1

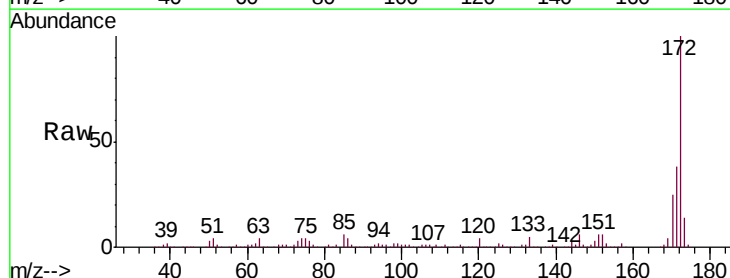


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

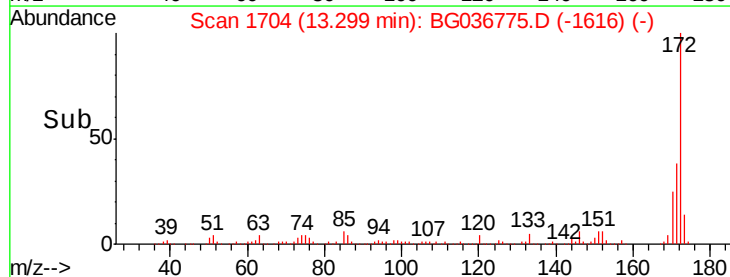
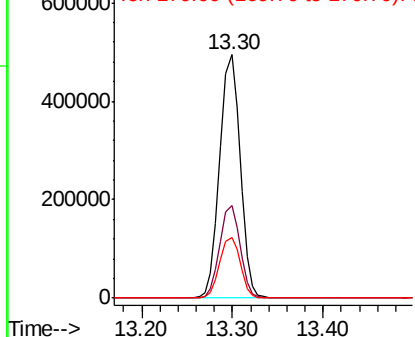


#44  
 2-Fluorobiphenyl  
 Concen: 77.696 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.01 min  
 Lab File: BG036775.D  
 Acq: 18 Sep 2018 6:01

Tgt Ion: 172 Resp: 779644  
 Ion Ratio Lower Upper  
 172 100  
 171 38.3 31.3 46.9  
 170 24.6 21.0 31.6



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

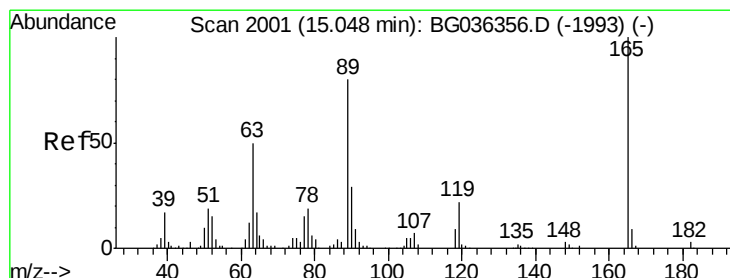
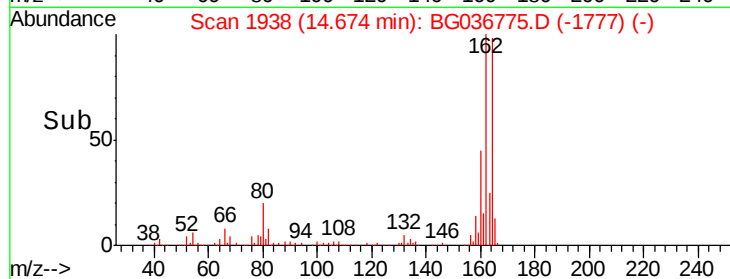
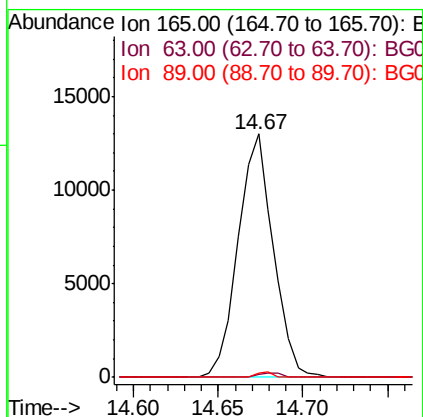
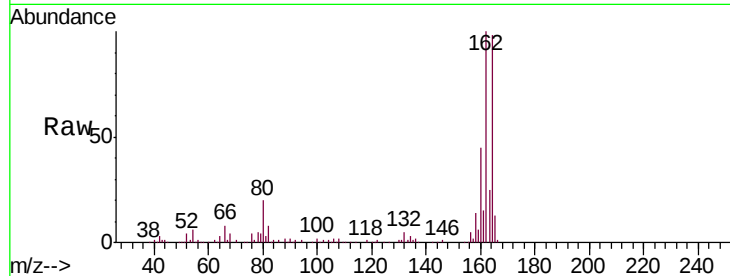




#50  
2,6-Dinitrotoluene  
Concen: 7.827 ng  
RT: 14.67 min Scan# 1938  
Delta R.T. 0.42 min  
Lab File: BG036775.D  
Acq: 18 Sep 2018 6:01

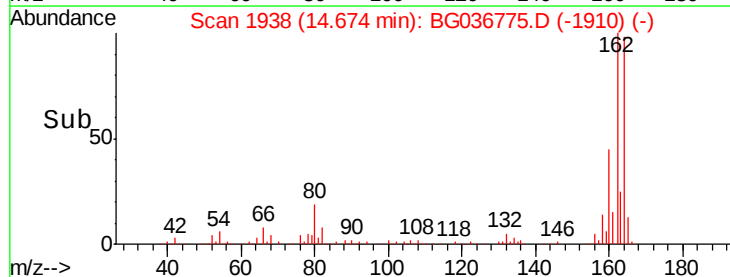
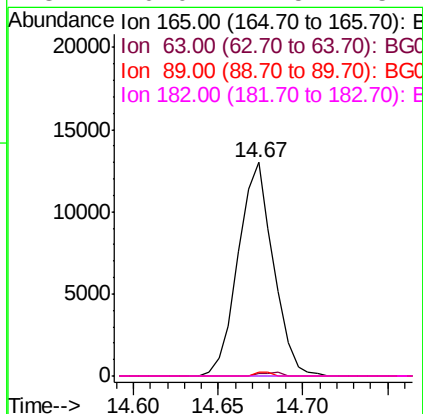
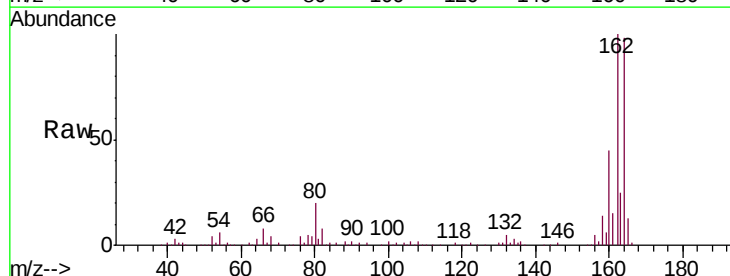
Instrument :  
BNA\_G  
ClientSampleId :  
132-1-VOLT

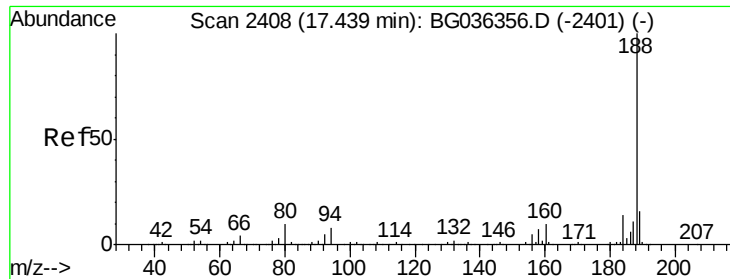
Tgt Ion:165 Resp: 18842  
Ion Ratio Lower Upper  
165 100  
63 1.4 50.1 75.1#  
89 1.8 47.8 71.6#



#56  
2,4-Dinitrotoluene  
Concen: 6.005 ng  
RT: 14.67 min Scan# 1938  
Delta R.T. -0.36 min  
Lab File: BG036775.D  
Acq: 18 Sep 2018 6:01

Tgt Ion:165 Resp: 18842  
Ion Ratio Lower Upper  
165 100  
63 1.4 40.1 60.1#  
89 1.8 63.7 95.5#  
182 0.0 2.5 3.7#

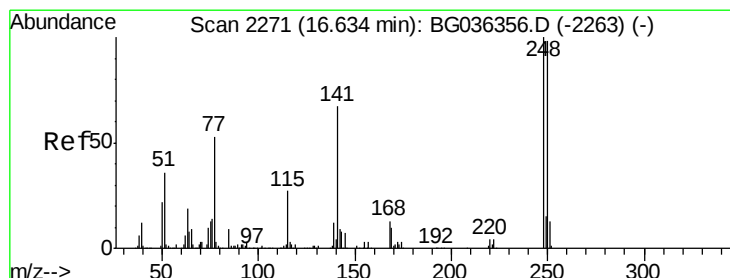
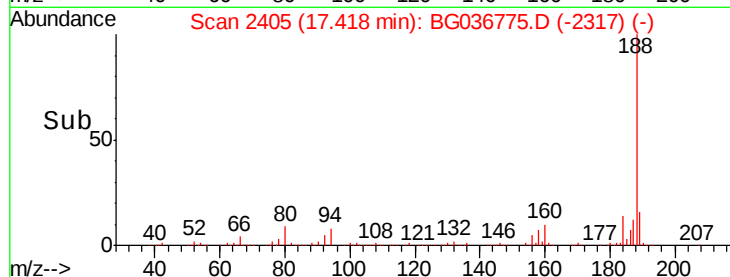
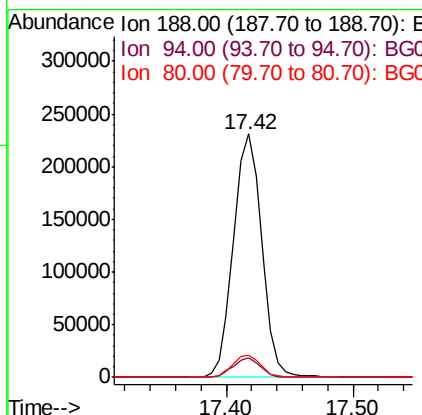
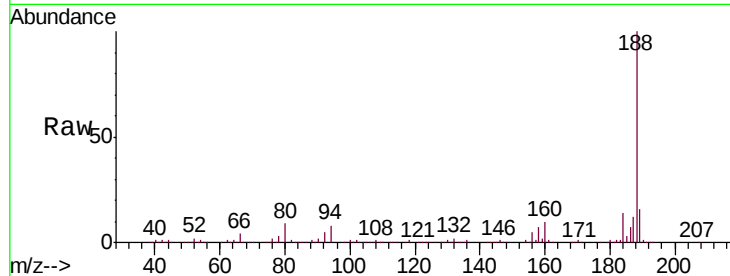




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2405  
 Delta R.T. -0.01 min  
 Lab File: BG036775.D  
 Acq: 18 Sep 2018 6:01

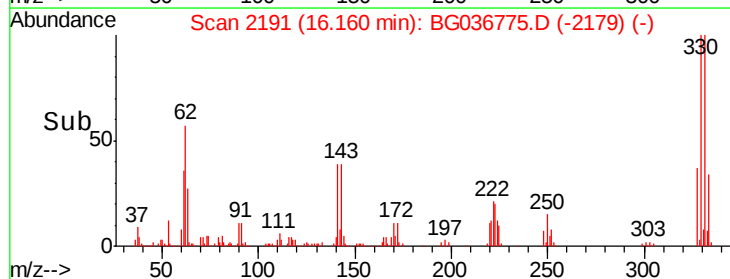
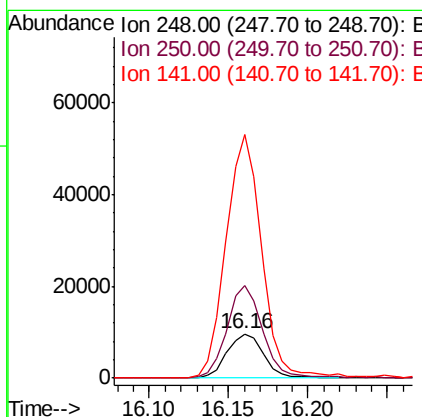
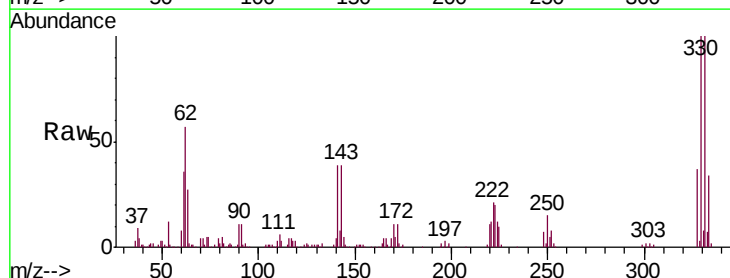
Instrument :  
 BNA\_G  
 ClientSampleId :  
 132-1-VOLT

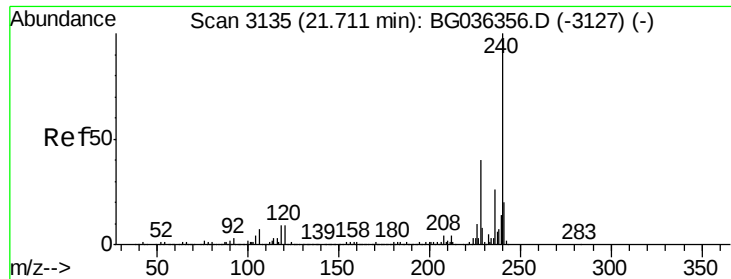
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.0   | 6.7   | 10.1  |
| 80      | 9.3   | 8.1   | 12.1  |



#66  
 4-Bromophenyl-phenylether  
 Concen: 3.687 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.46 min  
 Lab File: BG036775.D  
 Acq: 18 Sep 2018 6:01

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 209.0 | 78.1  | 117.1# |
| 141     | 547.0 | 53.7  | 80.5#  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG036775.D

Acq: 18 Sep 2018 6:01

Instrument :

BNA\_G

ClientSampleId :

132-1-VOLT

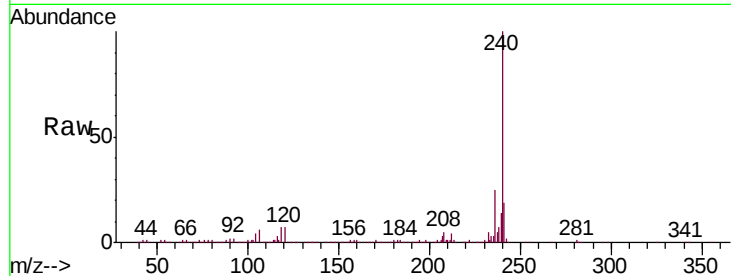
Tgt Ion:240 Resp: 367188

Ion Ratio Lower Upper

240 100

120 7.2 6.9 10.3

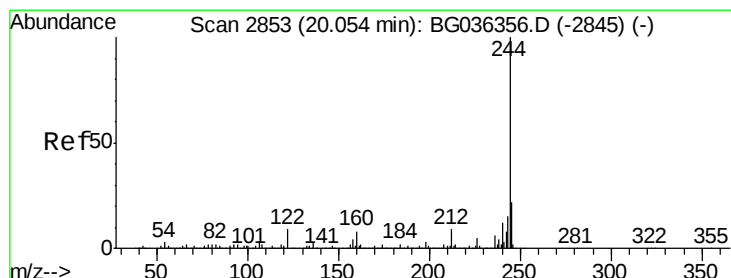
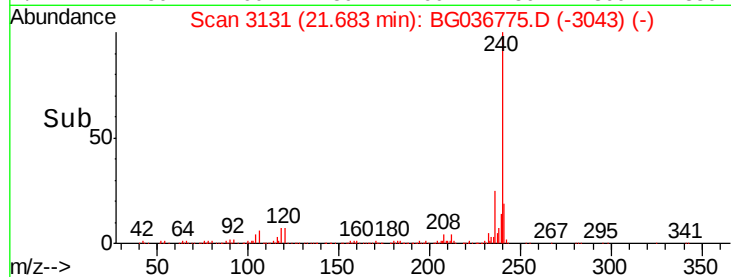
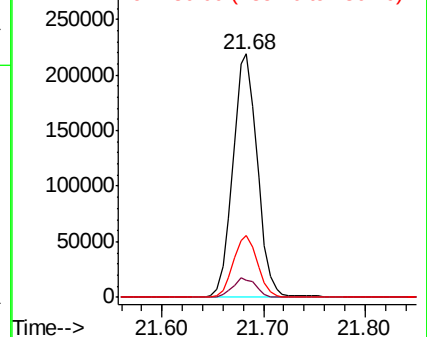
236 25.2 21.2 31.8



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: 81.410 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG036775.D

Acq: 18 Sep 2018 6:01

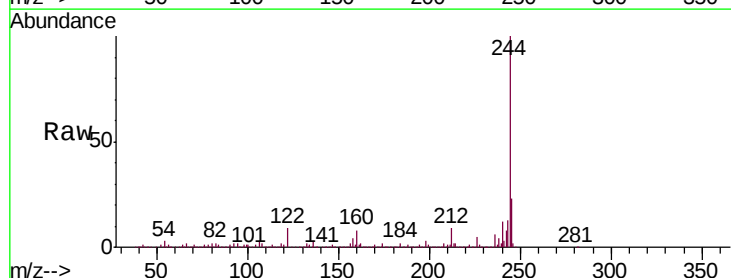
Tgt Ion:244 Resp: 1278926

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

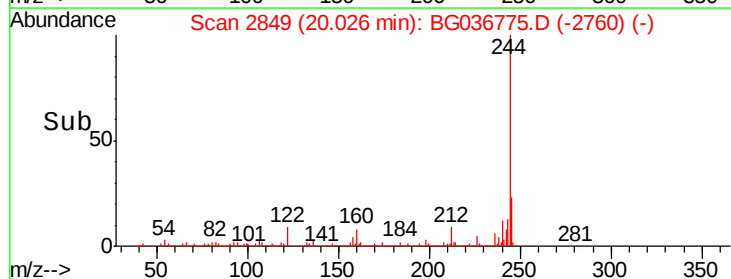
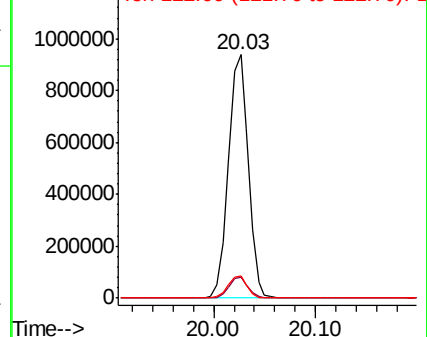
122 9.0 7.1 10.7

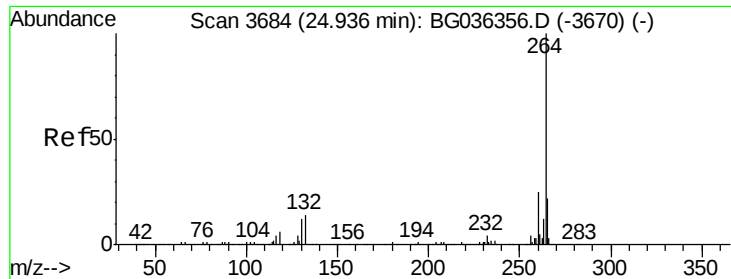


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.89 min Scan# 3676  
Delta R.T. -0.02 min  
Lab File: BG036775.D  
Acq: 18 Sep 2018 6:01

Instrument :  
BNA\_G  
ClientSampleId :  
132-1-VOLT

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 19.6  | 29.4  |
| 265     | 22.6  | 17.4  | 26.0  |

