

Data File : BG036745.D  
Acq On : 15 Sep 2018 17:35  
Operator : JU/SJ  
Sample : PB112846BL  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB112846BL

Quant Time: Sep 17 03:51:12 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

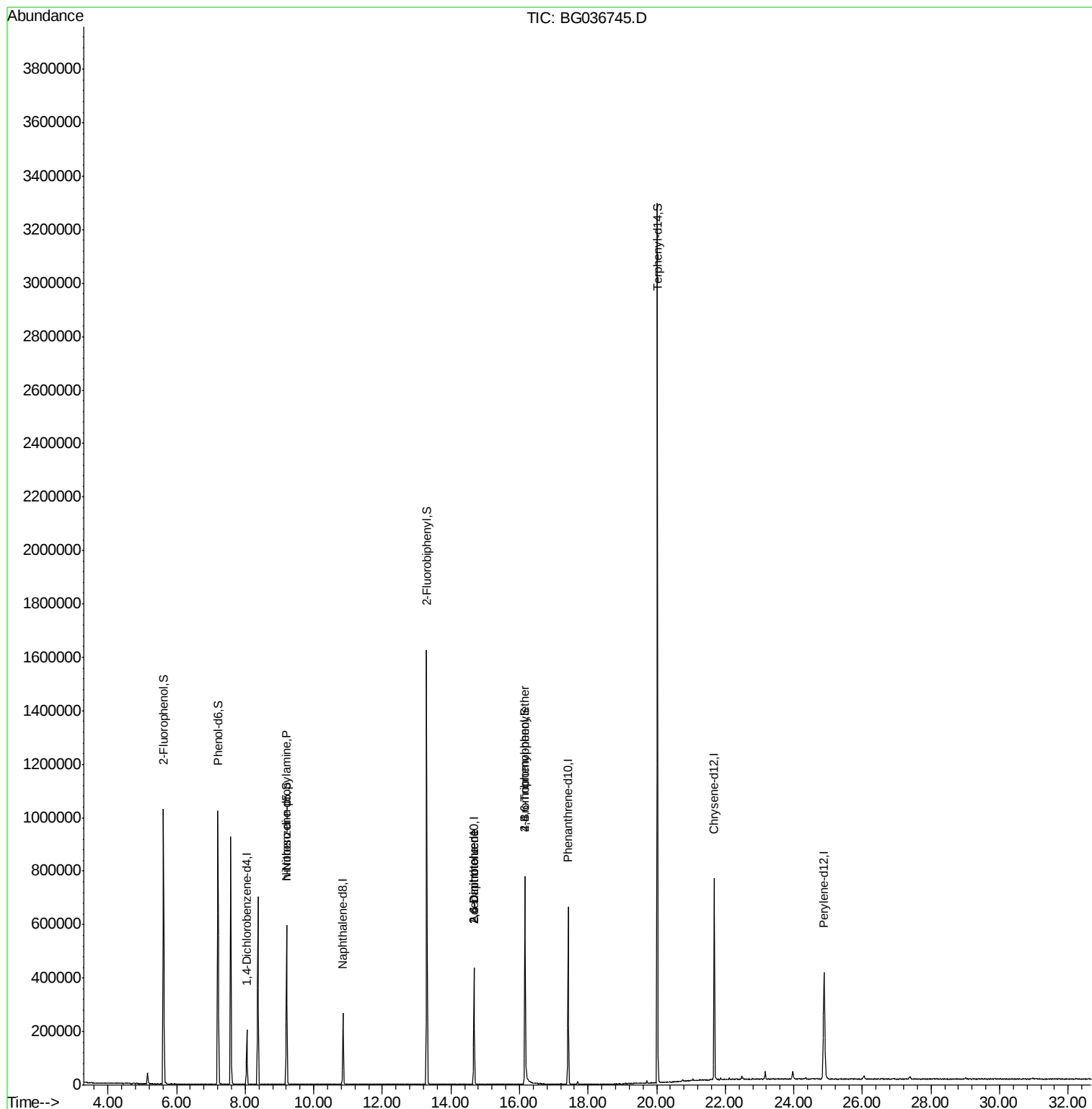
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.05  | 152  | 55707    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.86 | 136  | 230107   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 14.68 | 164  | 153918   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 17.42 | 188  | 423038   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 21.68 | 240  | 446448   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 24.88 | 264  | 443360   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.62  | 112  | 427874   | 121.84 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.21  | 99   | 586054   | 116.56 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.21  | 82   | 360513   | 85.00  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 16.16 | 330  | 182337   | 99.28  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 13.30 | 172  | 861834   | 79.95  | ng    | -0.01    |
| 78) Terphenyl-d14              | 20.02 | 244  | 1590212  | 83.25  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.21  | 70   | 47532    | 12.649 | ng    | # 73     |
| 50) 2,6-Dinitrotoluene         | 14.68 | 165  | 19234    | 7.437  | ng    | # 23     |
| 56) 2,4-Dinitrotoluene         | 14.68 | 165  | 19234    | 5.706  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 16.16 | 248  | 12218    | 2.467  | ng    | # 1      |

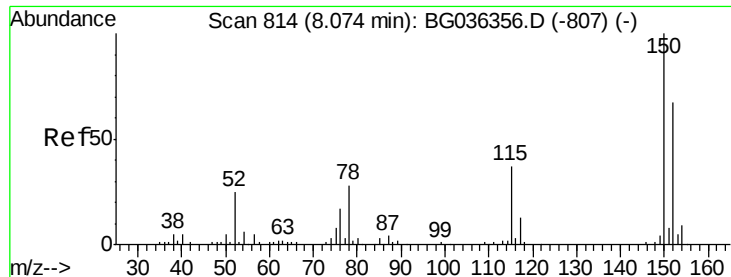
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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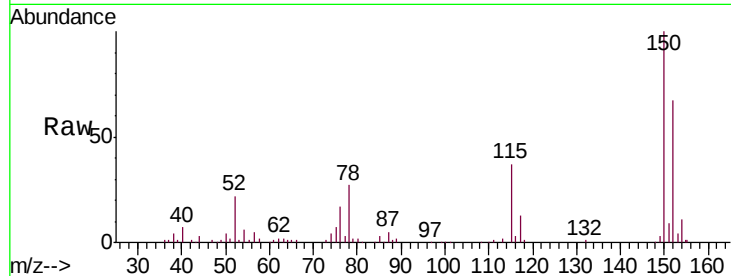


#1

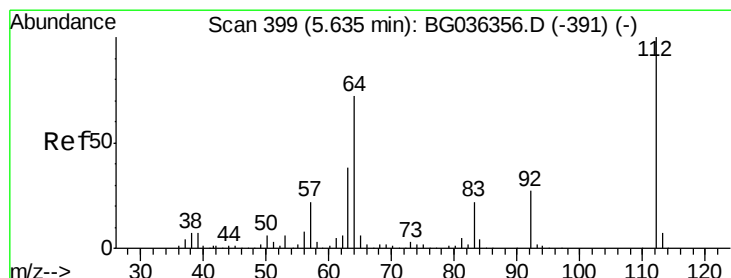
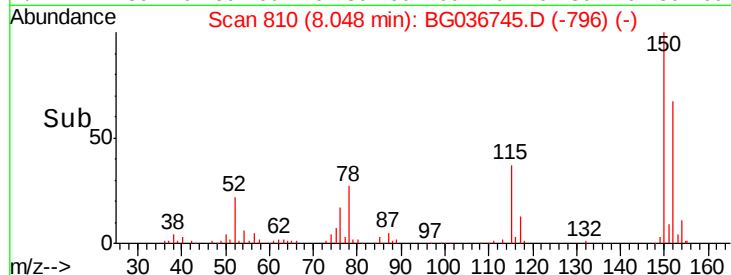
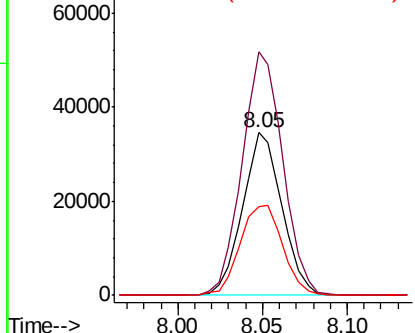
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.05 min Scan# 810  
 Delta R.T. -0.02 min  
 Lab File: BG036745.D  
 Acq: 15 Sep 2018 17:35

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB112846BL

Tgt Ion:152 Resp: 55707  
 Ion Ratio Lower Upper  
 152 100  
 150 149.9 119.5 179.3  
 115 54.7 44.5 66.7



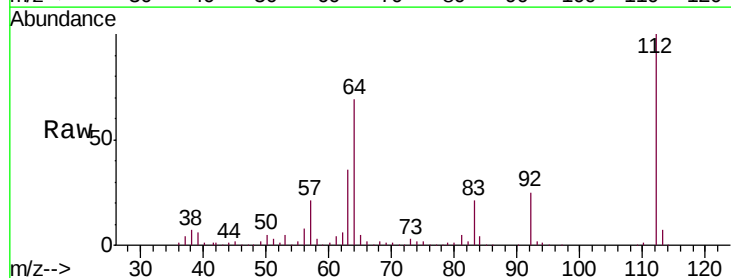
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



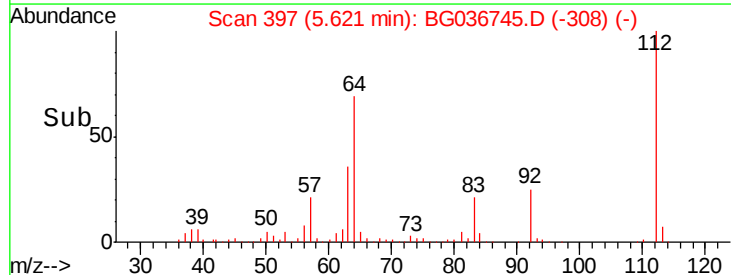
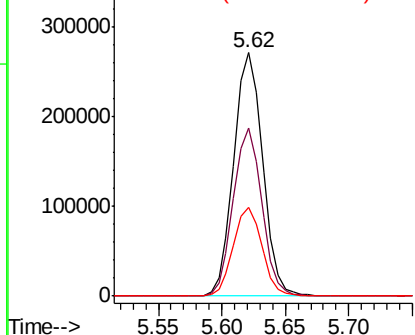
#5

2-Fluorophenol  
 Concen: 121.840 ng  
 RT: 5.62 min Scan# 397  
 Delta R.T. -0.00 min  
 Lab File: BG036745.D  
 Acq: 15 Sep 2018 17:35

Tgt Ion:112 Resp: 427874  
 Ion Ratio Lower Upper  
 112 100  
 64 68.8 57.2 85.8  
 63 36.5 30.8 46.2



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: 116.558 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036745.D

Acq: 15 Sep 2018 17:35

Instrument :

BNA\_G

ClientSampleId :

PB112846BL

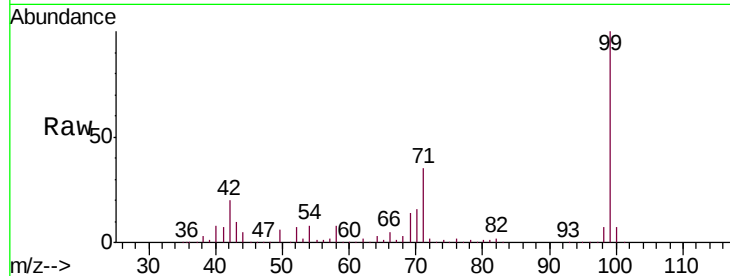
Tgt Ion: 99 Resp: 586054

Ion Ratio Lower Upper

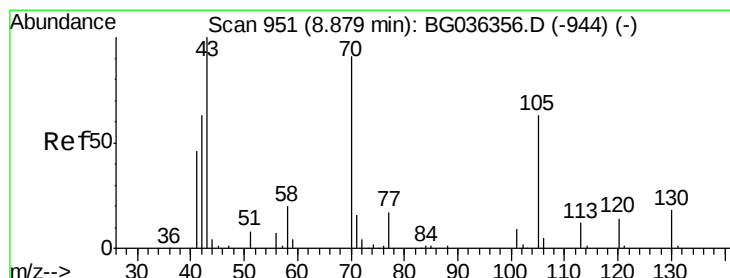
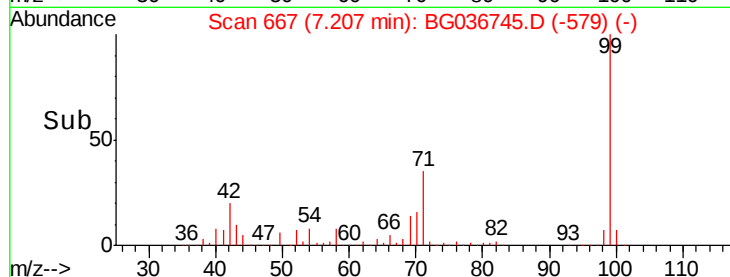
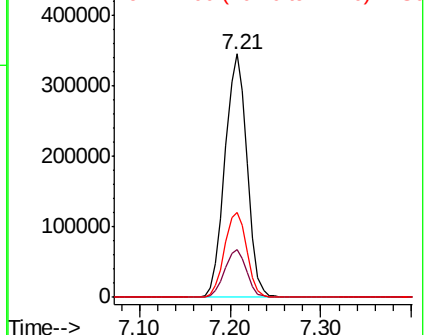
99 100

42 19.9 16.5 24.7

71 34.9 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: 12.649 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036745.D

Acq: 15 Sep 2018 17:35

Tgt Ion: 70 Resp: 47532

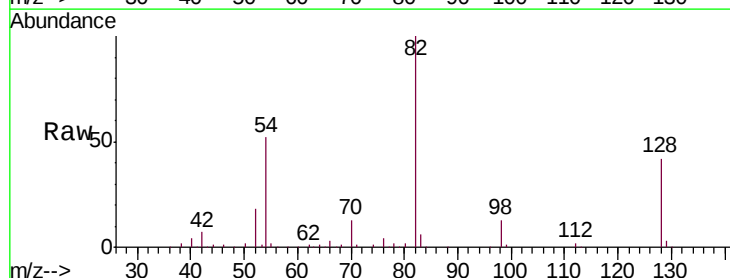
Ion Ratio Lower Upper

70 100

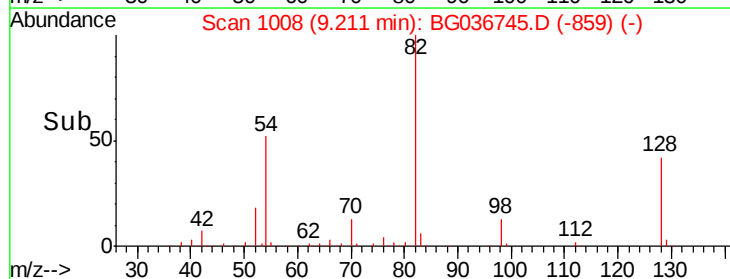
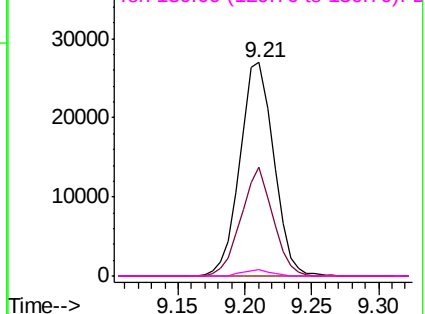
42 50.7 56.2 84.4#

101 0.0 7.8 11.6#

130 2.8 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

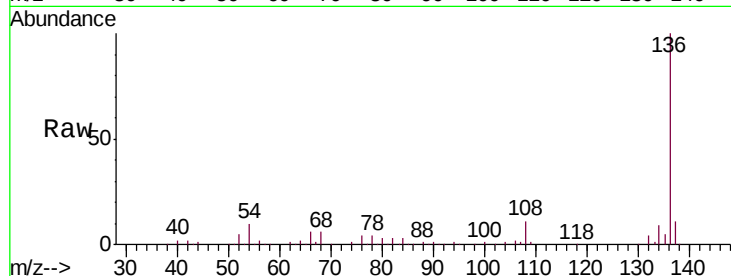




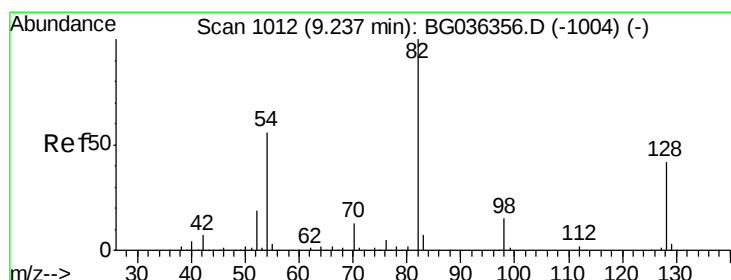
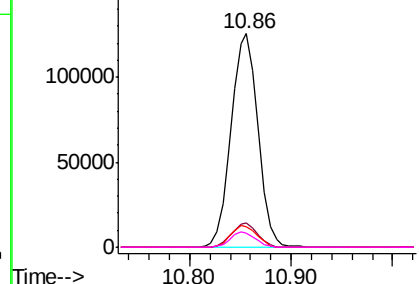
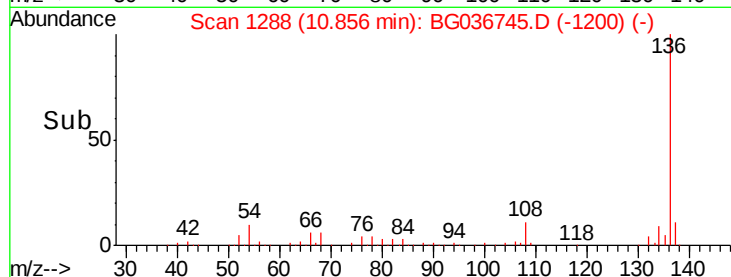
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.86 min Scan# 1288  
Delta R.T. -0.01 min  
Lab File: BG036745.D  
Acq: 15 Sep 2018 17:35

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ClientSampleId :  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 230107 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 8.8   | 13.2   |
| 54       | 9.8   | 9.2   | 13.8   |
| 68       | 6.5   | 5.8   | 8.6    |

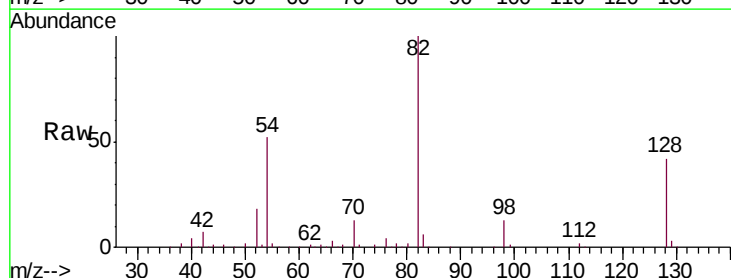


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

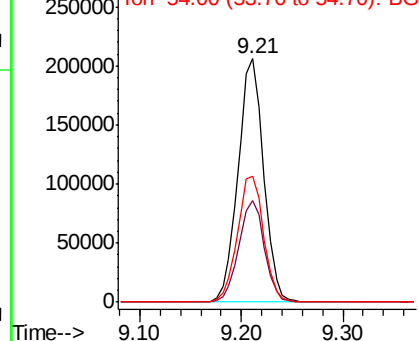
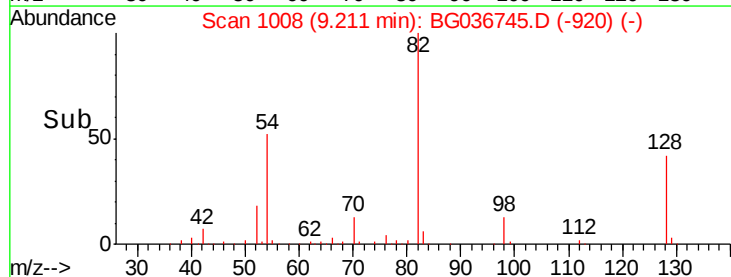


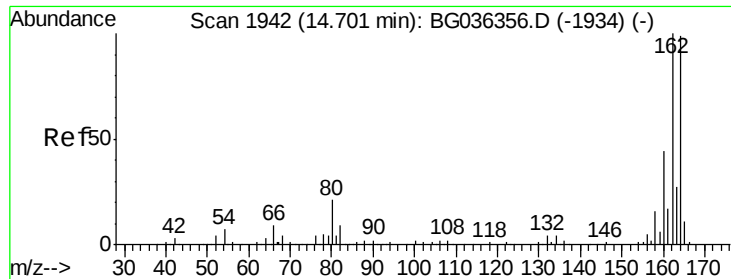
#23  
Nitrobenzene-d5  
Concen: 85.005 ng  
RT: 9.21 min Scan# 1008  
Delta R.T. -0.01 min  
Lab File: BG036745.D  
Acq: 15 Sep 2018 17:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 360513 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.9  | 33.3  | 49.9   |
| 54       | 51.9  | 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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036745.D

Acq: 15 Sep 2018 17:35

Instrument :

BNA\_G

ClientSampleId :

PB112846BL

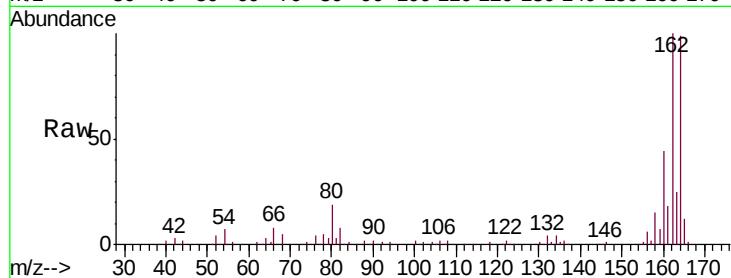
Tgt Ion:164 Resp: 153918

Ion Ratio Lower Upper

164 100

162 100.5 80.7 121.1

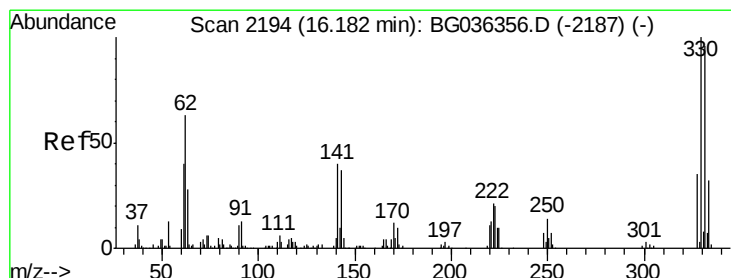
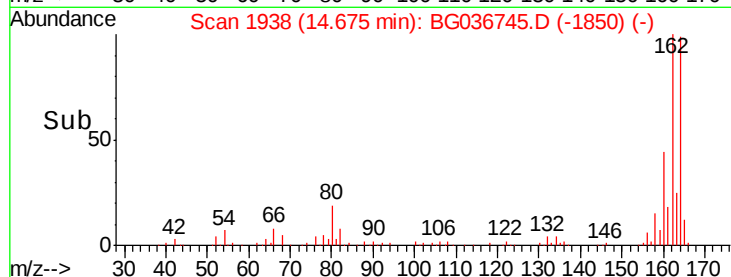
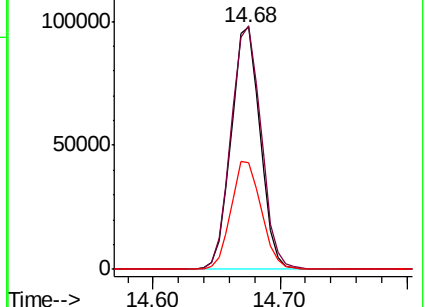
160 44.1 35.3 52.9



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: 99.280 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036745.D

Acq: 15 Sep 2018 17:35

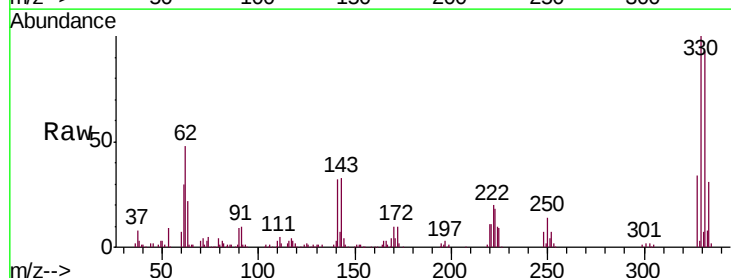
Tgt Ion:330 Resp: 182337

Ion Ratio Lower Upper

330 100

332 91.9 75.4 113.2

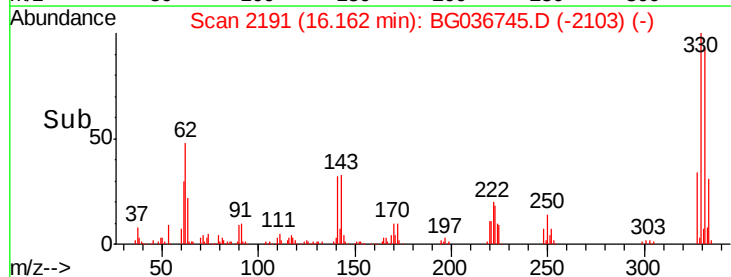
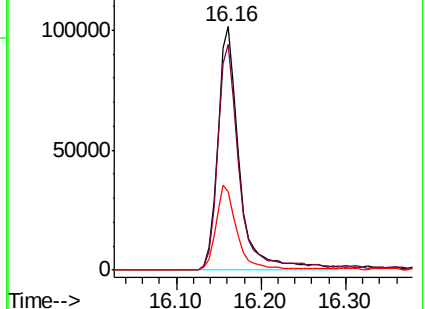
141 34.1 30.7 46.1



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

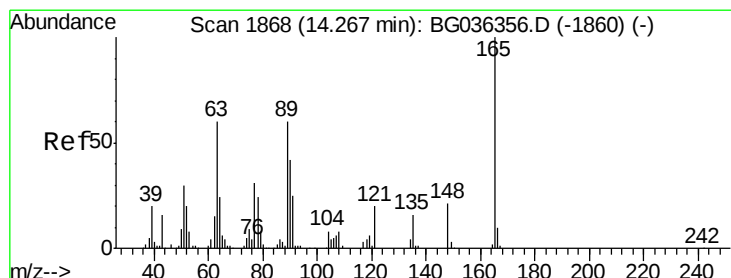
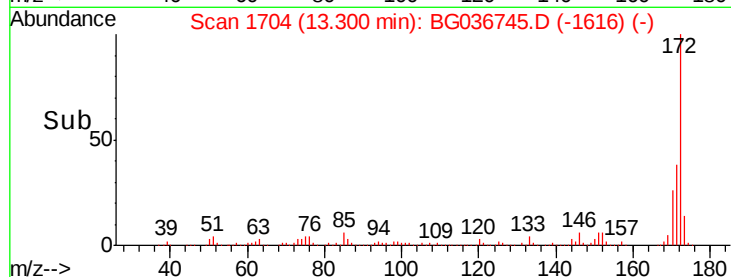
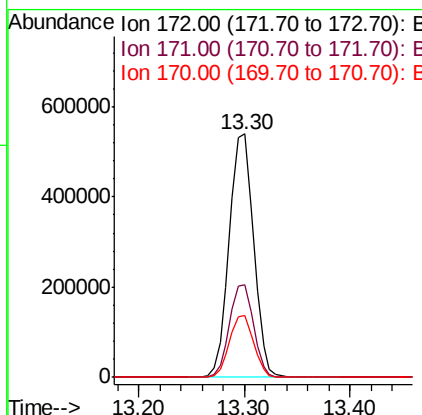
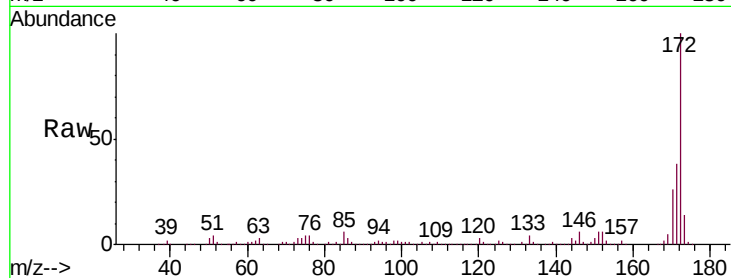




#44  
 2-Fluorobiphenyl  
 Concen: 79.948 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.01 min  
 Lab File: BG036745.D  
 Acq: 15 Sep 2018 17:35

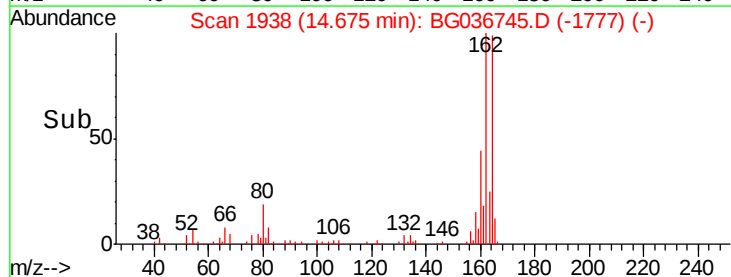
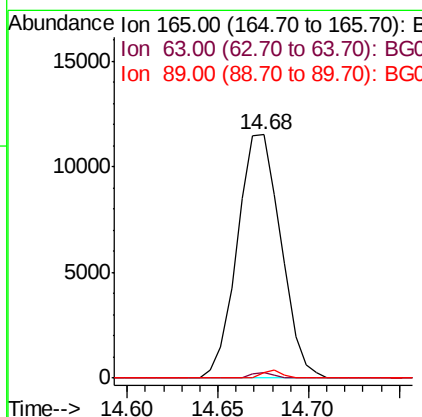
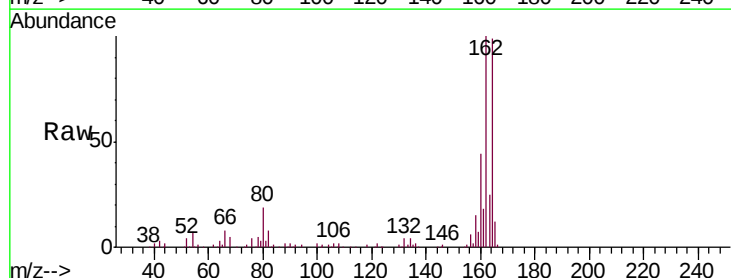
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB112846BL

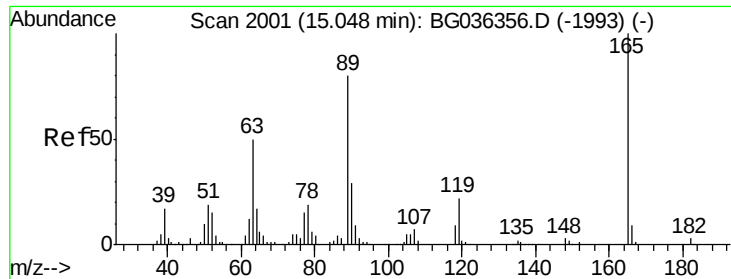
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.8  | 31.3  | 46.9  |
| 170     | 25.6  | 21.0  | 31.6  |



#50  
 2,6-Dinitrotoluene  
 Concen: 7.437 ng  
 RT: 14.68 min Scan# 1938  
 Delta R.T. 0.42 min  
 Lab File: BG036745.D  
 Acq: 15 Sep 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.2   | 50.1  | 75.1# |
| 89      | 2.4   | 47.8  | 71.6# |

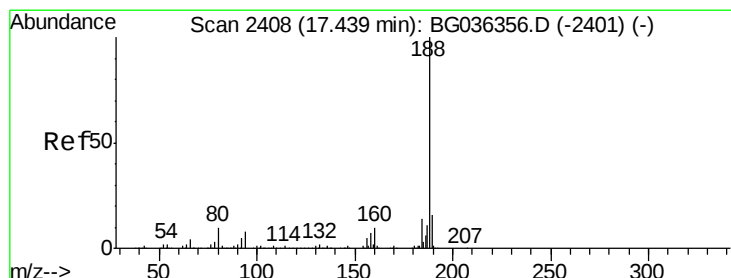
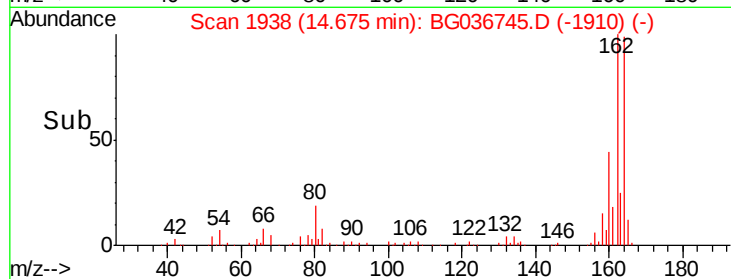
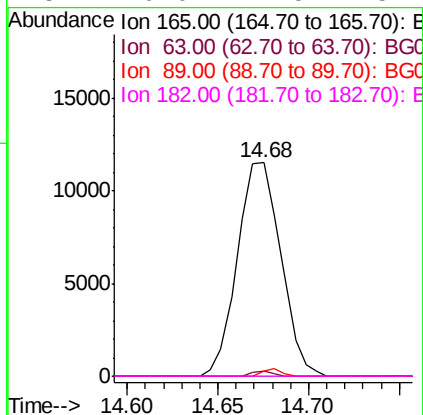
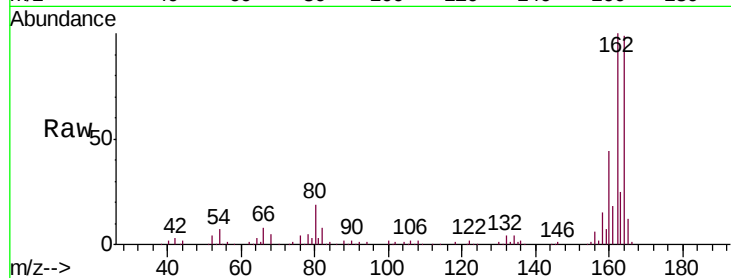




#56  
 2,4-Dinitrotoluene  
 Concen: 5.706 ng  
 RT: 14.68 min Scan# 1938  
 Delta R.T. -0.36 min  
 Lab File: BG036745.D  
 Acq: 15 Sep 2018 17:35

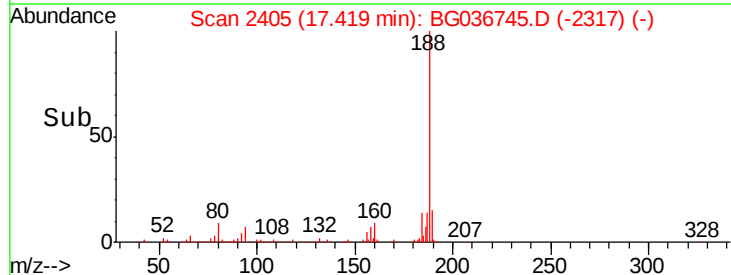
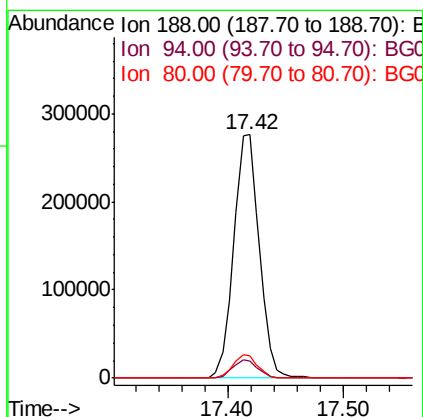
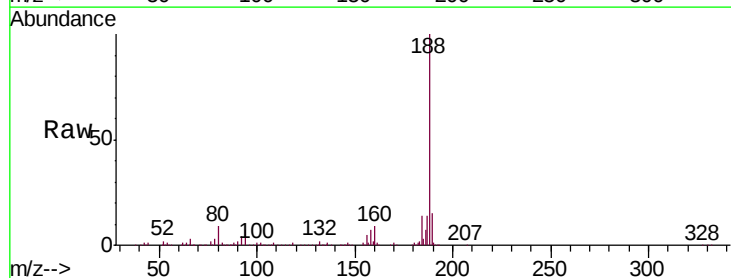
Instrument :  
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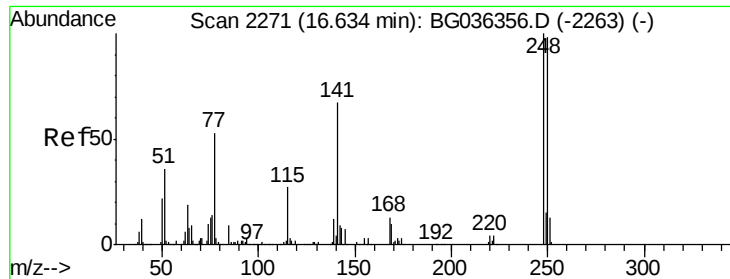
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 19234 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 2.2   | 40.1  | 60.1# |
| 89       | 2.4   | 63.7  | 95.5# |
| 182      | 0.0   | 2.5   | 3.7#  |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2405  
 Delta R.T. -0.01 min  
 Lab File: BG036745.D  
 Acq: 15 Sep 2018 17:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 423038 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 7.2   | 6.7   | 10.1   |
| 80       | 9.0   | 8.1   | 12.1   |

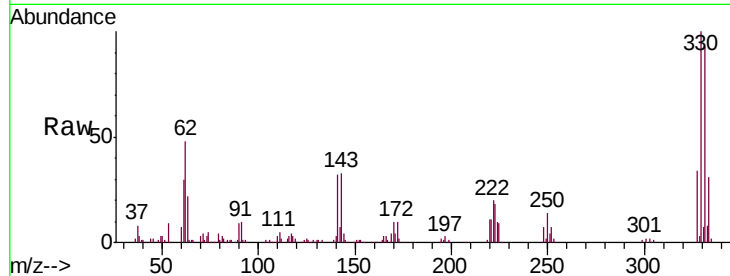




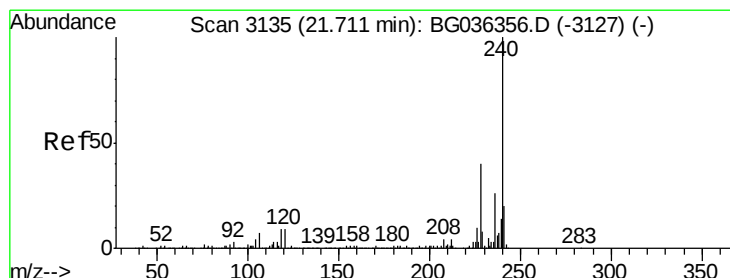
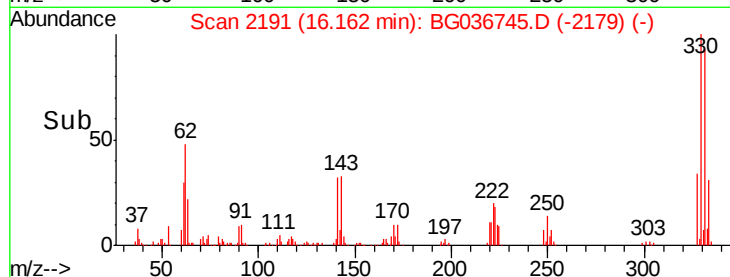
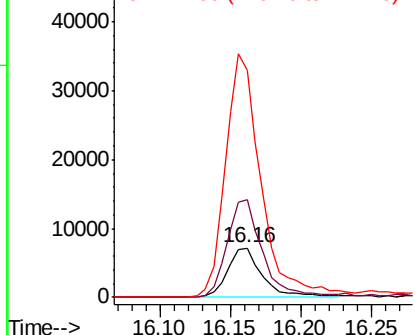
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.467 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.46 min  
 Lab File: BG036745.D  
 Acq: 15 Sep 2018 17:35

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB112846BL

Tgt Ion:248 Resp: 12218  
 Ion Ratio Lower Upper  
 248 100  
 250 197.2 78.1 117.1#  
 141 456.3 53.7 80.5#

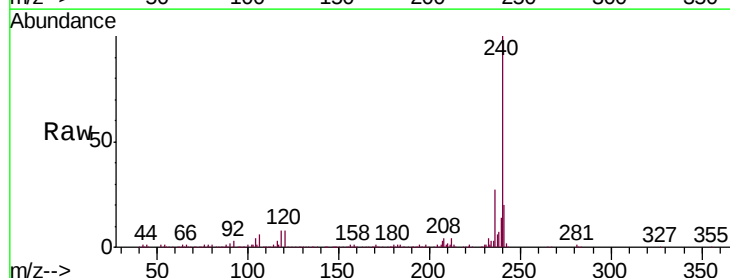


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

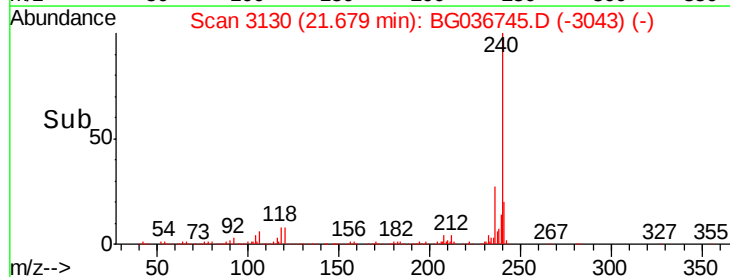
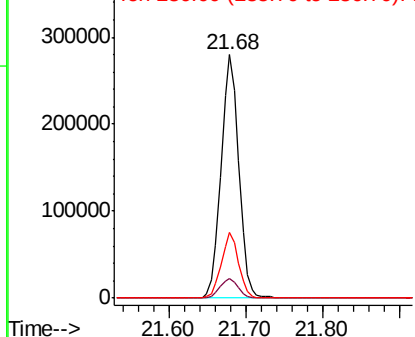


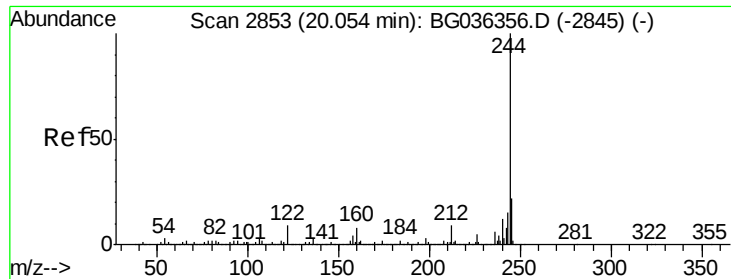
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.68 min Scan# 3130  
 Delta R.T. -0.02 min  
 Lab File: BG036745.D  
 Acq: 15 Sep 2018 17:35

Tgt Ion:240 Resp: 446448  
 Ion Ratio Lower Upper  
 240 100  
 120 8.2 6.9 10.3  
 236 26.7 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: 83.254 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036745.D

Acq: 15 Sep 2018 17:35

Instrument :

BNA\_G

ClientSampleId :

PB112846BL

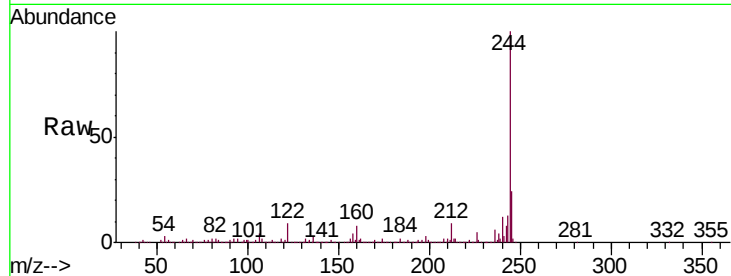
Tgt Ion:244 Resp: 1590212

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

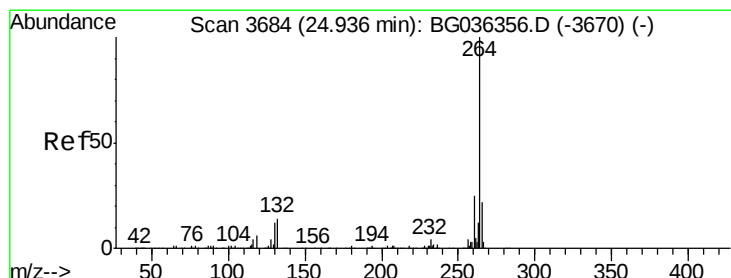
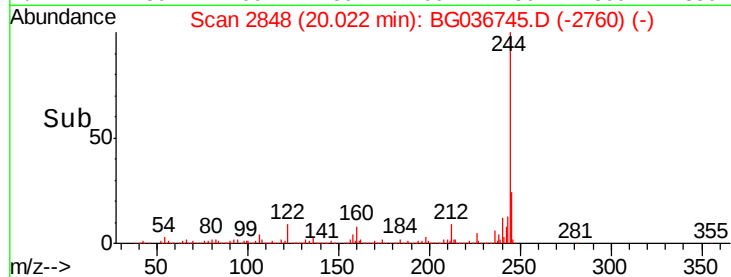
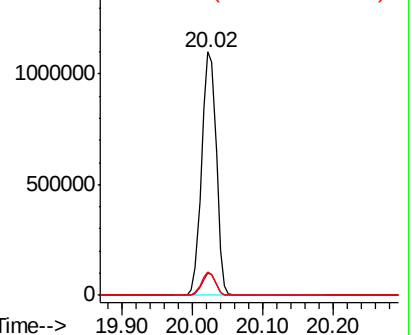
122 9.4 7.1 10.7



Abundance Ion 244.00 (243.70 to 244.70): E

1500000 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: 24.88 min Scan# 3675

Delta R.T. -0.02 min

Lab File: BG036745.D

Acq: 15 Sep 2018 17:35

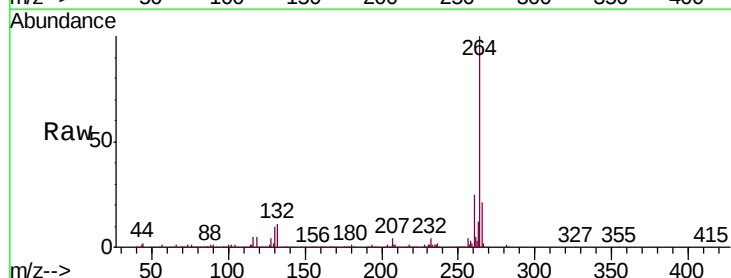
Tgt Ion:264 Resp: 443360

Ion Ratio Lower Upper

264 100

260 24.6 19.6 29.4

265 21.1 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

200000 Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

