

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG080818\  
 Data File : BG036204.D  
 Acq On : 8 Aug 2018 19:13  
 Operator : JU/SJ  
 Sample : J4379-05  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-107S

Quant Time: Aug 09 01:31:50 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 31 12:30:06 2018  
 Response via : Initial Calibration

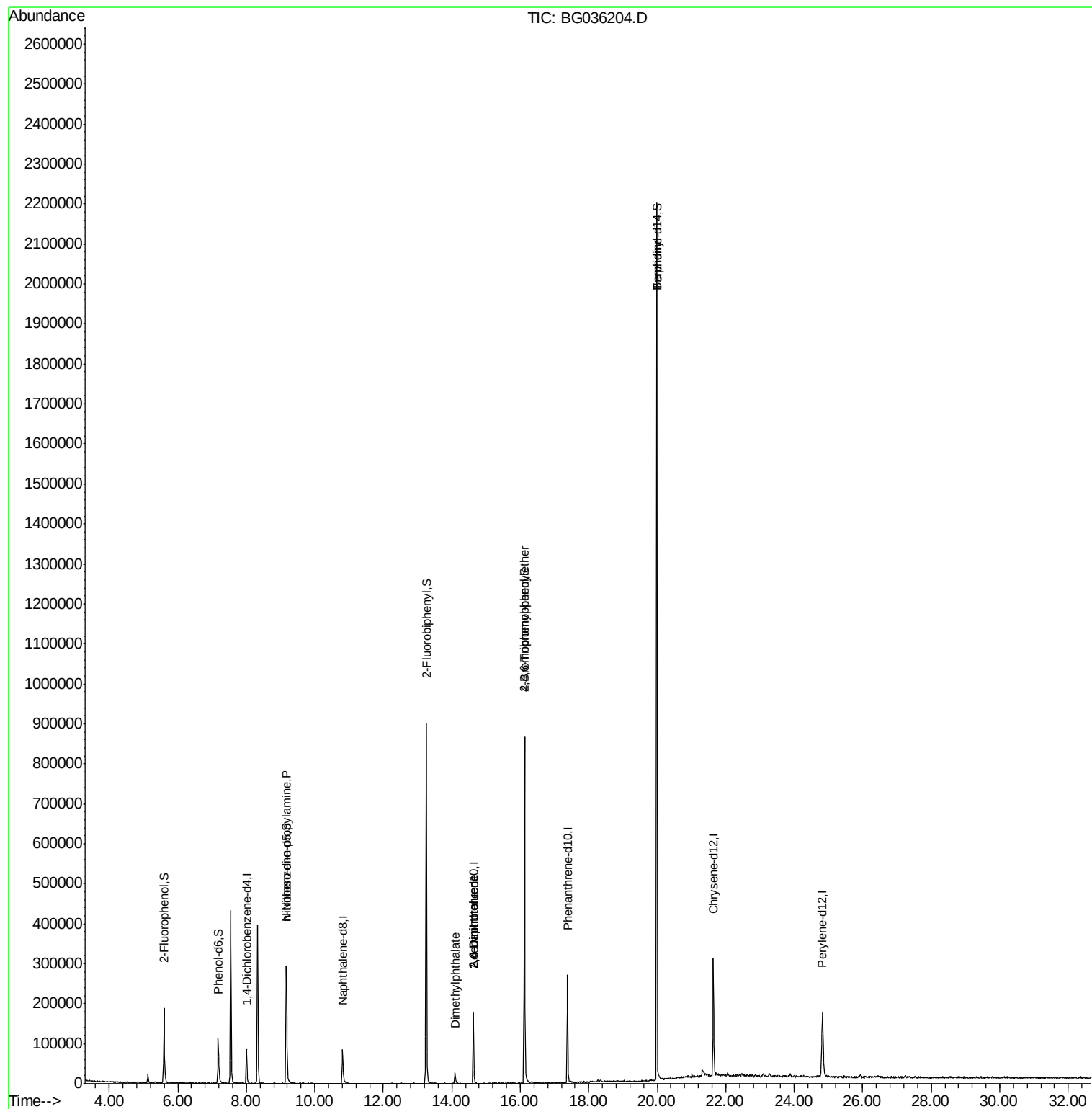
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 8.01  | 152  | 25140    | 20.00  | ng    | -0.01       |
| 21) Naphthalene-d8             | 10.81 | 136  | 91075    | 20.00  | ng    | -0.02       |
| 38) Acenaphthene-d10           | 14.63 | 164  | 63823    | 20.00  | ng    | -0.02       |
| 63) Phenanthrene-d10           | 17.38 | 188  | 182123   | 20.00  | ng    | -0.01       |
| 75) Chrysene-d12               | 21.64 | 240  | 199603   | 20.00  | ng    | -0.02       |
| 86) Perylene-d12               | 24.82 | 264  | 191622   | 20.00  | ng    | -0.04       |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.60  | 112  | 95376    | 62.99  | ng    | 0.00        |
| 7) Phenol-d6                   | 7.18  | 99   | 80604    | 35.68  | ng    | -0.01       |
| 23) Nitrobenzene-d5            | 9.17  | 82   | 236144   | 108.32 | ng    | -0.01       |
| 41) 2,4,6-Tribromophenol       | 16.12 | 330  | 168700   | 200.54 | ng    | -0.02       |
| 44) 2-Fluorobiphenyl           | 13.26 | 172  | 513989   | 107.89 | ng    | -0.02       |
| 78) Terphenyl-d14              | 19.99 | 244  | 1092647  | 120.67 | ng    | -0.01       |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 9.17  | 70   | 32748    | 17.213 | ng    | Qvalue # 70 |
| 49) Dimethylphthalate          | 14.09 | 163  | 27289    | 4.880  | ng    | # 99        |
| 50) 2,6-Dinitrotoluene         | 14.64 | 165  | 8790     | 7.719  | ng    | # 22        |
| 56) 2,4-Dinitrotoluene         | 14.64 | 165  | 8790     | 5.381  | ng    | # 19        |
| 66) 4-Bromophenyl-phenylether  | 16.12 | 248  | 13308    | 6.298  | ng    | # 1         |
| 76) Benzidine                  | 19.99 | 184  | 19101    | 3.640  | ng    | # 93        |

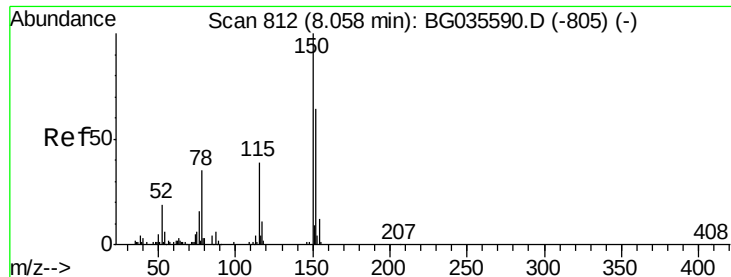
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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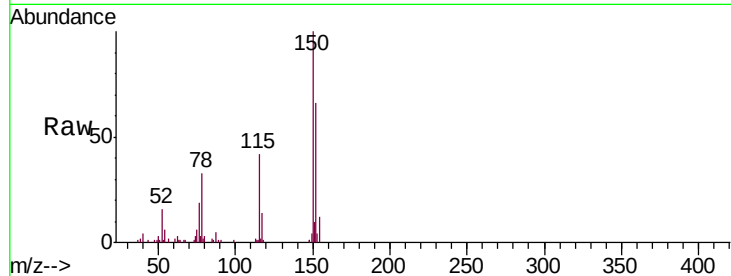


#1

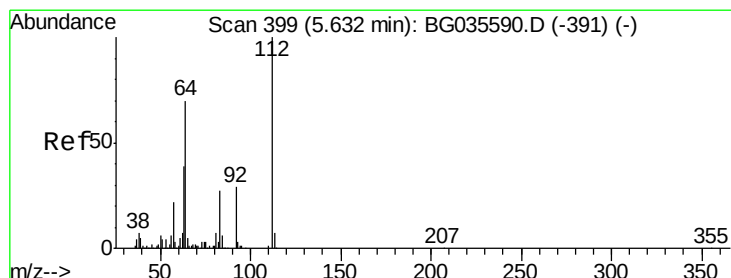
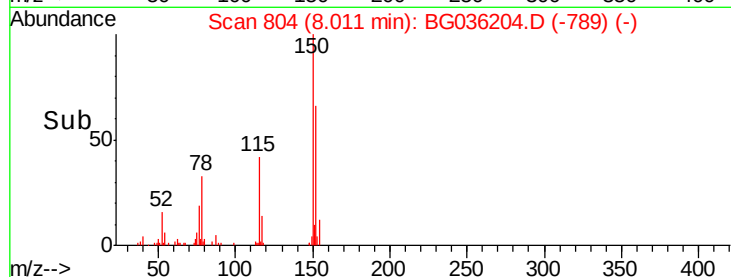
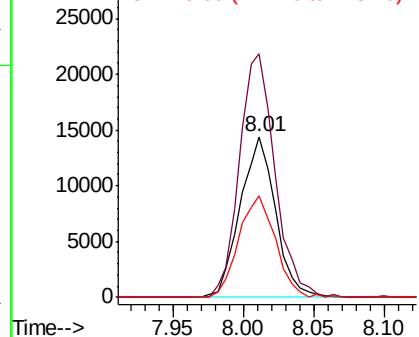
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 804  
Delta R.T. -0.01 min  
Lab File: BG036204.D  
Acq: 8 Aug 2018 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
MW-107S

Tgt Ion:152 Resp: 25140  
Ion Ratio Lower Upper  
152 100  
150 151.2 126.6 189.8  
115 63.3 53.0 79.4



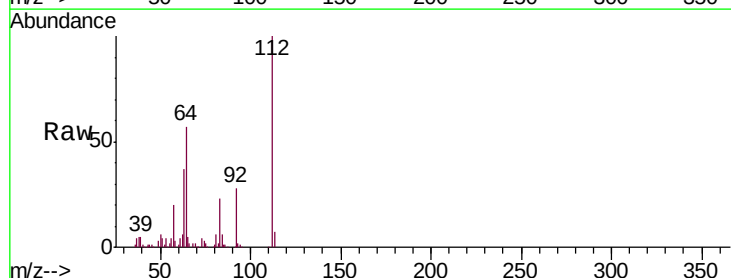
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



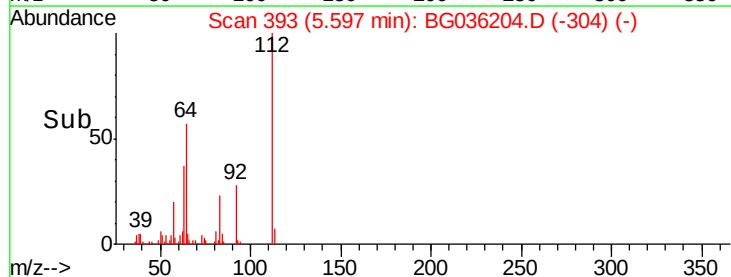
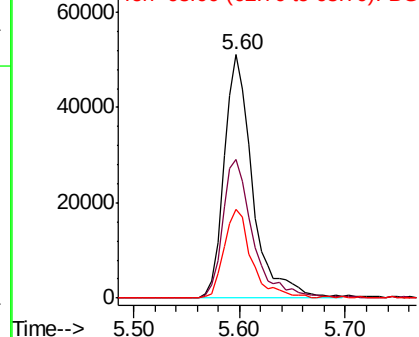
#5

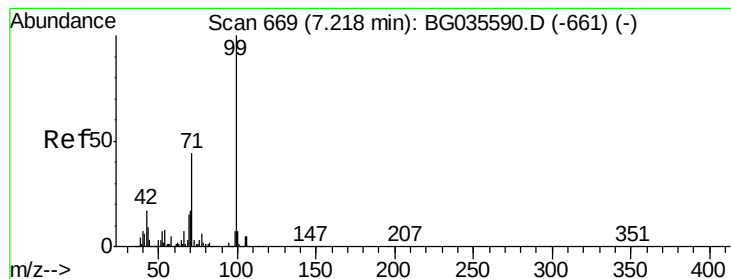
2-Fluorophenol  
Concen: 62.986 ng  
RT: 5.60 min Scan# 393  
Delta R.T. -0.01 min  
Lab File: BG036204.D  
Acq: 8 Aug 2018 19:13

Tgt Ion:112 Resp: 95376  
Ion Ratio Lower Upper  
112 100  
64 57.1 56.3 84.5  
63 36.5 30.1 45.1



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: 35.678 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036204.D

Acq: 8 Aug 2018 19:13

Instrument :

BNA\_G

ClientSampleId :

MW-107S

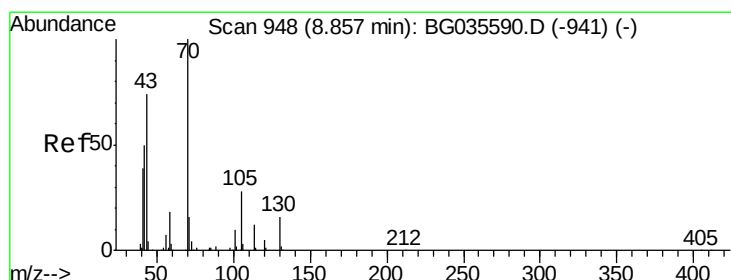
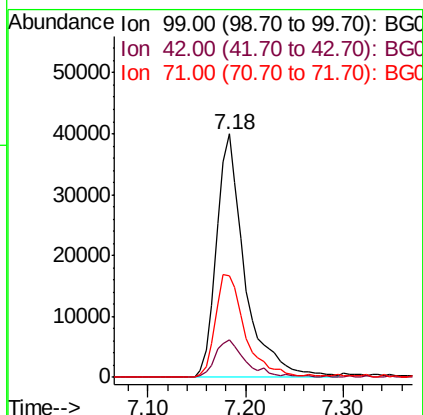
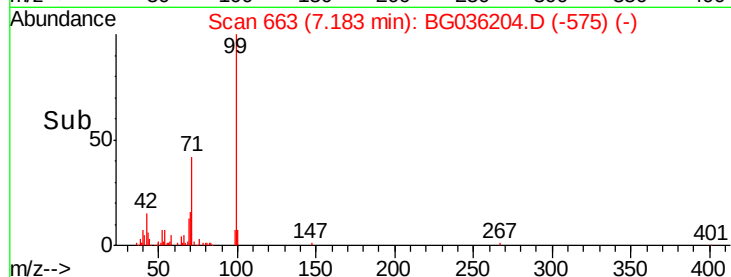
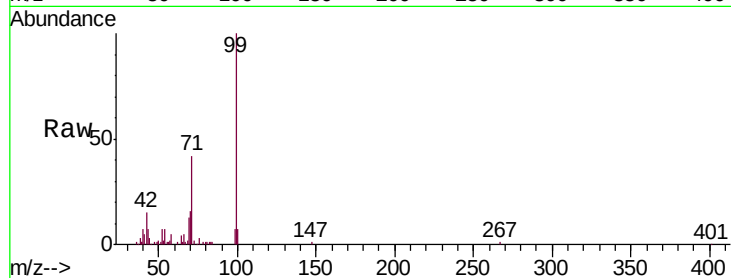
Tgt Ion: 99 Resp: 80604

Ion Ratio Lower Upper

99 100

42 15.2 14.1 21.1

71 41.5 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.213 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036204.D

Acq: 8 Aug 2018 19:13

Tgt Ion: 70 Resp: 32748

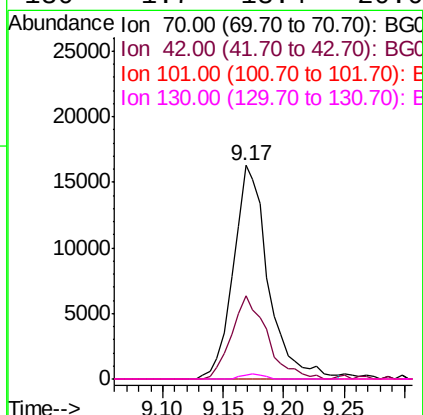
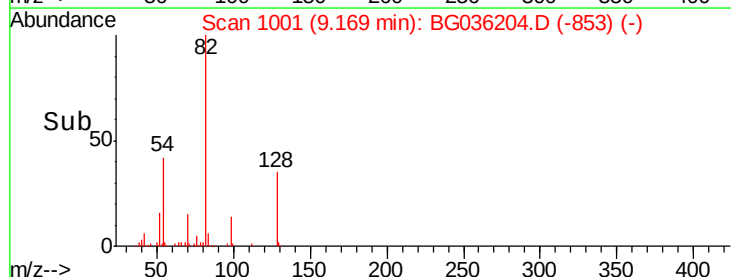
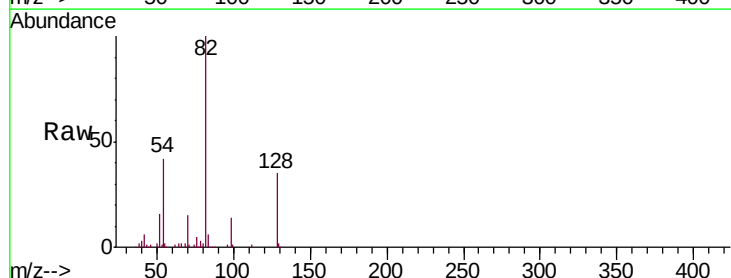
Ion Ratio Lower Upper

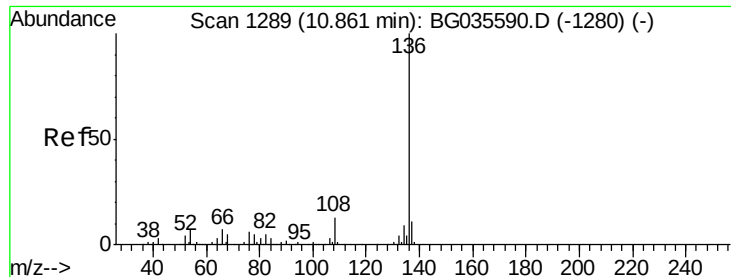
70 100

42 38.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#

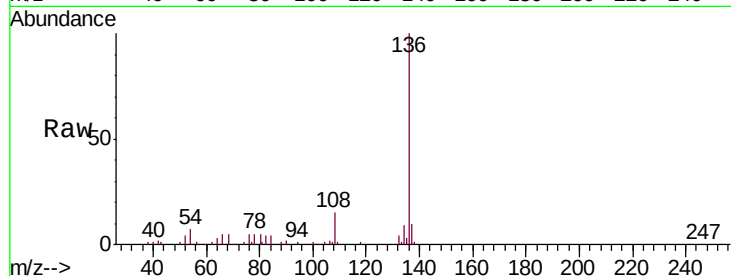




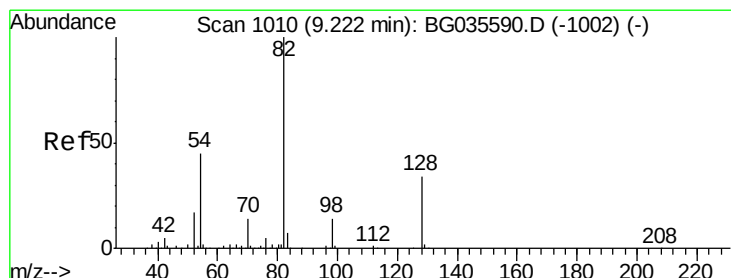
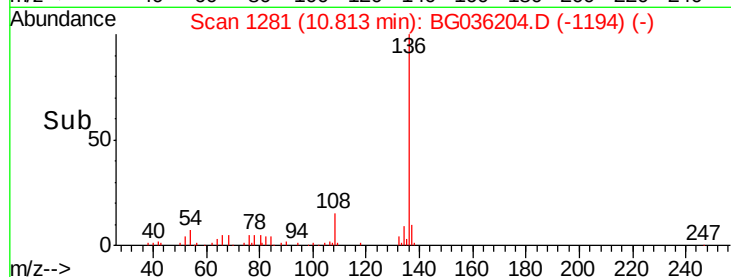
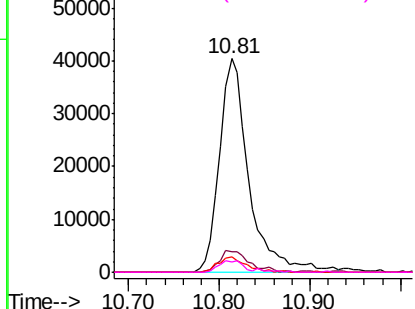
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.81 min Scan# 1281  
Delta R.T. -0.02 min  
Lab File: BG036204.D  
Acq: 8 Aug 2018 19:13

Instrument :  
BNA\_G  
ClientSampleId :  
MW-107S

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 91075 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 9.8   | 9.2   | 13.8  |
| 54       | 7.1   | 10.3  | 15.5# |
| 68       | 4.9   | 4.5   | 6.7   |

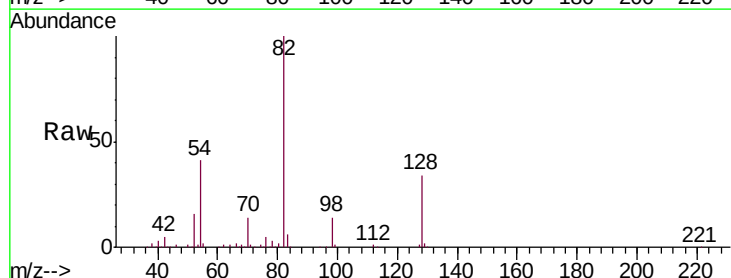


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

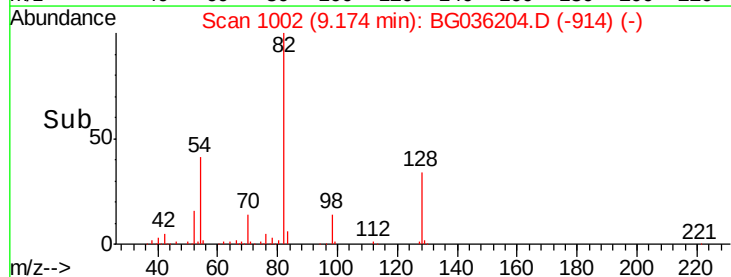
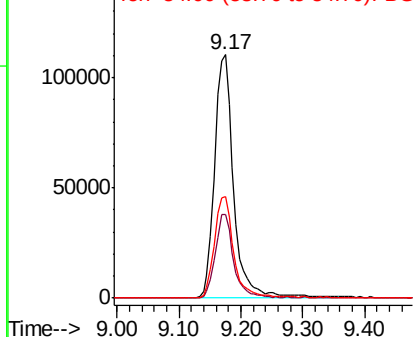


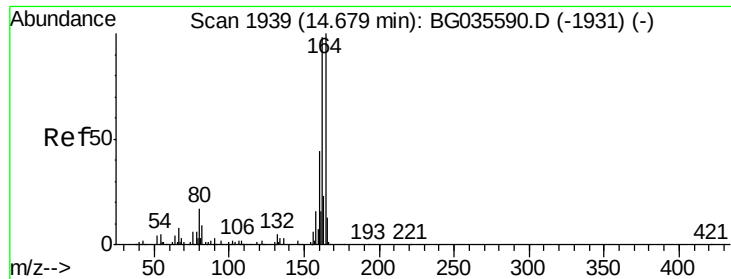
#23  
Nitrobenzene-d5  
Concen: 108.316 ng  
RT: 9.17 min Scan# 1002  
Delta R.T. -0.01 min  
Lab File: BG036204.D  
Acq: 8 Aug 2018 19:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 236144 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 34.2  | 29.7  | 44.5   |
| 54       | 41.5  | 43.1  | 64.7#  |



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: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036204.D

Acq: 8 Aug 2018 19:13

Instrument :

BNA\_G

ClientSampleId :

MW-107S

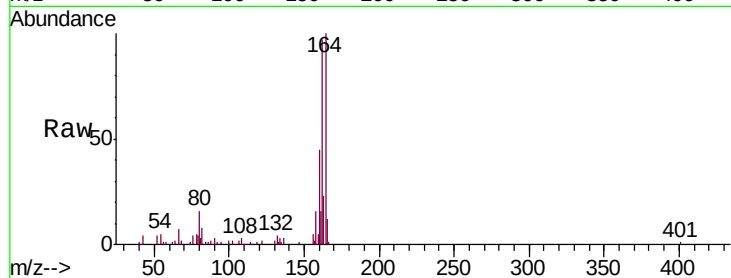
Tgt Ion:164 Resp: 63823

Ion Ratio Lower Upper

164 100

162 96.7 78.8 118.2

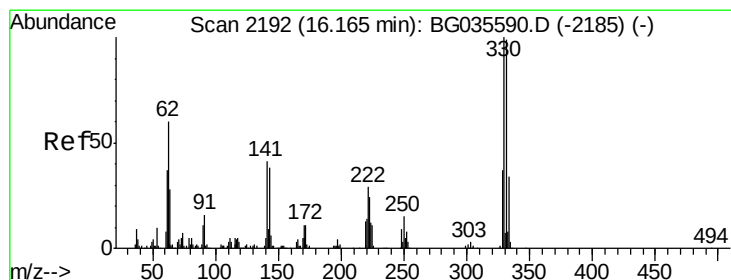
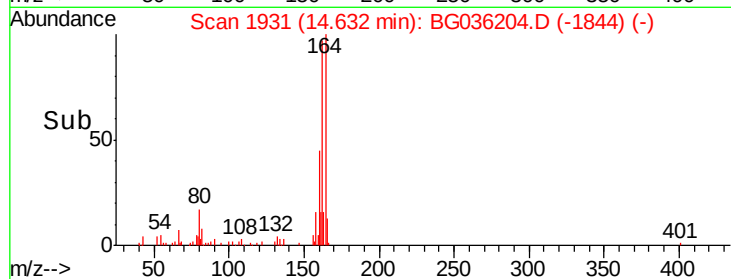
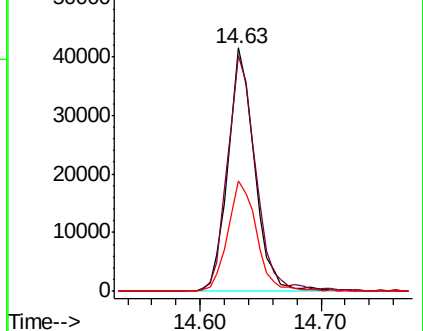
160 45.2 35.4 53.0



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: 200.540 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036204.D

Acq: 8 Aug 2018 19:13

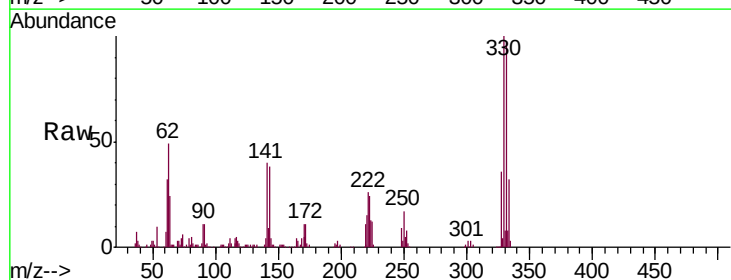
Tgt Ion:330 Resp: 168700

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

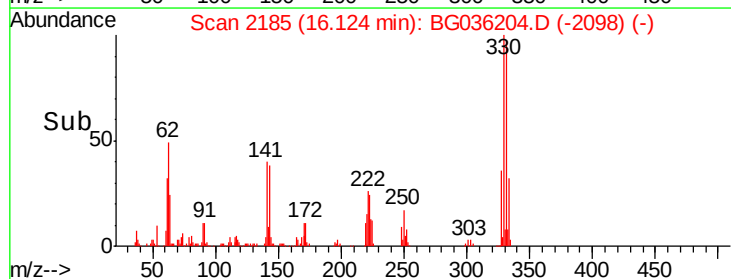
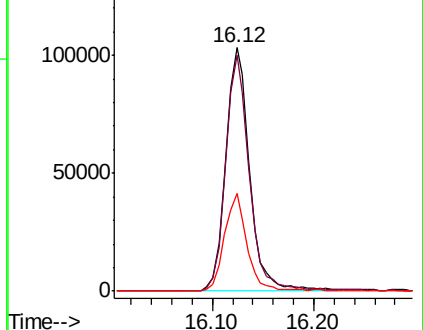
141 37.2 25.2 37.8

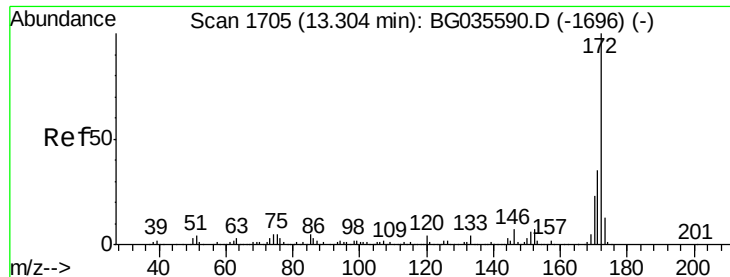


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

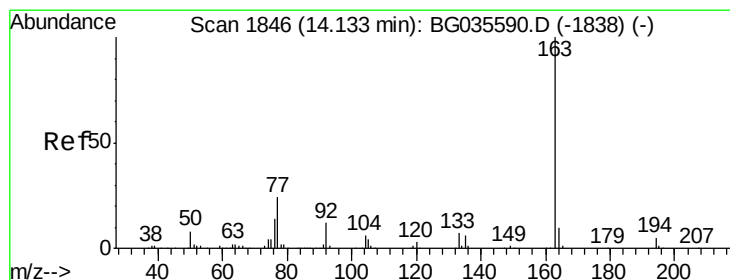
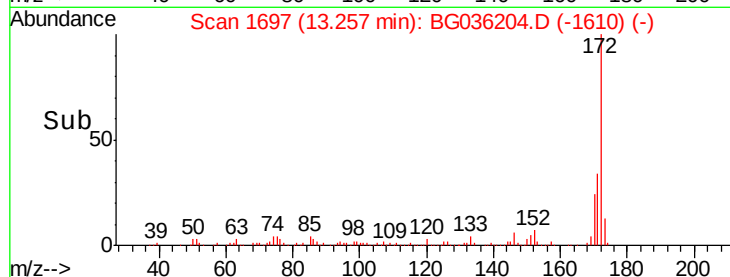
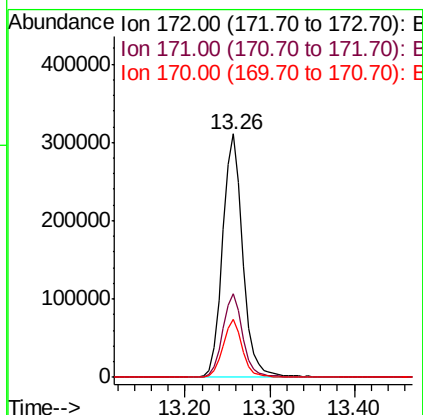
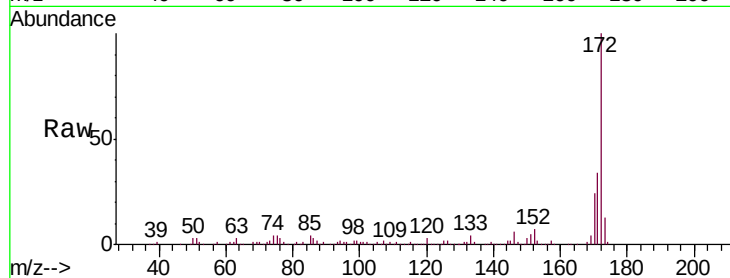




#44  
 2-Fluorobiphenyl  
 Concen: 107.894 ng  
 RT: 13.26 min Scan# 1697  
 Delta R.T. -0.02 min  
 Lab File: BG036204.D  
 Acq: 8 Aug 2018 19:13

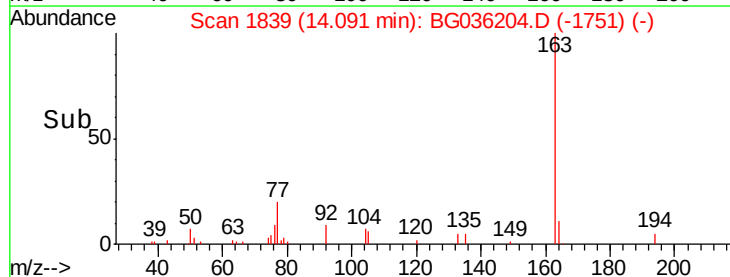
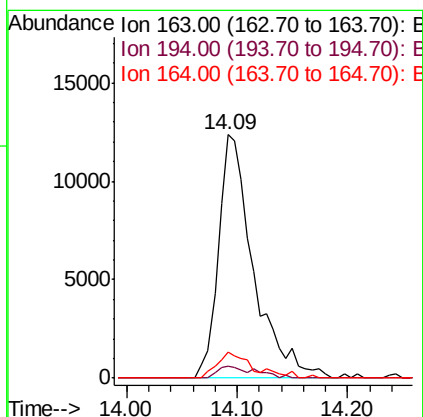
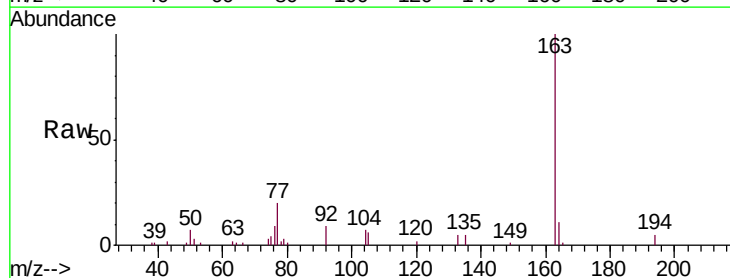
Instrument :  
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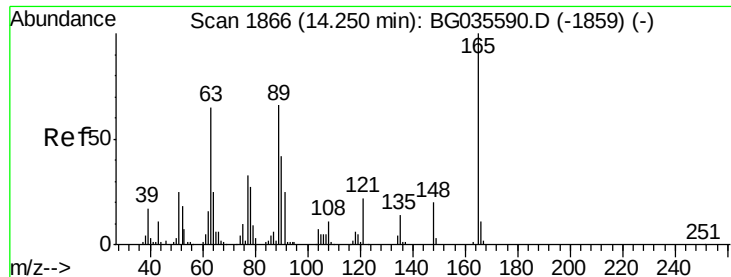
Tgt Ion:172 Resp: 513989  
 Ion Ratio Lower Upper  
 172 100  
 171 34.3 30.0 45.0  
 170 23.7 19.5 29.3



#49  
 Dimethylphthalate  
 Concen: 4.880 ng  
 RT: 14.09 min Scan# 1839  
 Delta R.T. -0.01 min  
 Lab File: BG036204.D  
 Acq: 8 Aug 2018 19:13

Tgt Ion:163 Resp: 27289  
 Ion Ratio Lower Upper  
 163 100  
 194 5.0 3.4 5.2  
 164 10.8 8.2 12.4

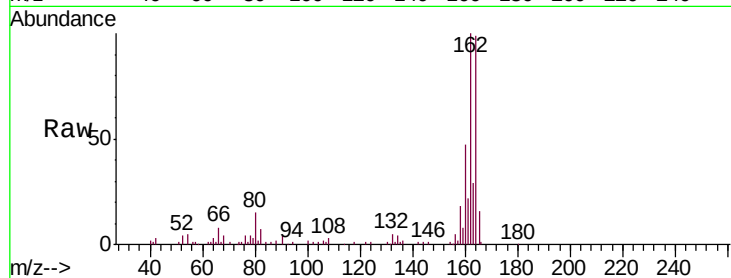




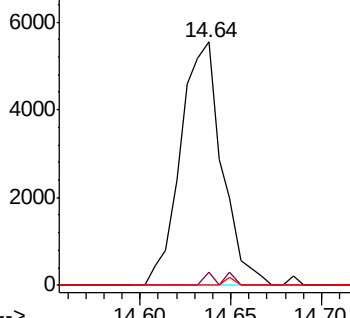
#50  
 2,6-Dinitrotoluene  
 Concen: 7.719 ng  
 RT: 14.64 min Scan# 1932  
 Delta R.T. 0.41 min  
 Lab File: BG036204.D  
 Acq: 8 Aug 2018 19:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-107S

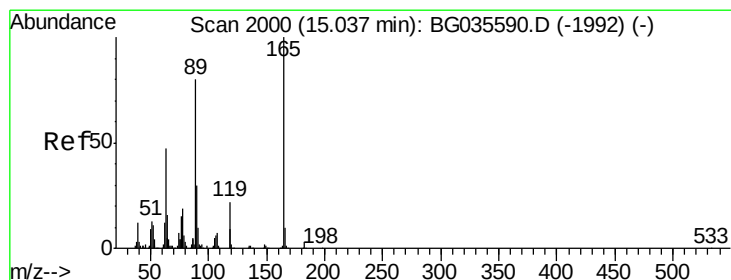
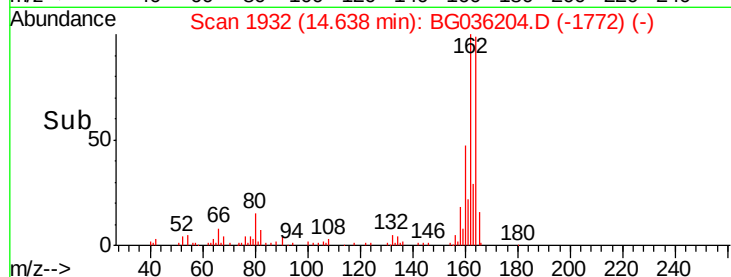
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 5.5   | 52.7  | 79.1# |
| 89      | 0.0   | 49.2  | 73.8# |



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC

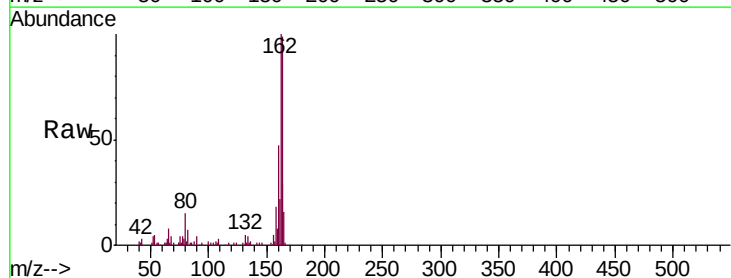


Time-->

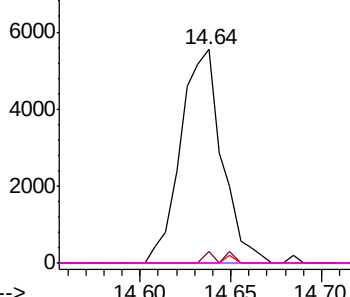


#56  
 2,4-Dinitrotoluene  
 Concen: 5.381 ng  
 RT: 14.64 min Scan# 1932  
 Delta R.T. -0.38 min  
 Lab File: BG036204.D  
 Acq: 8 Aug 2018 19:13

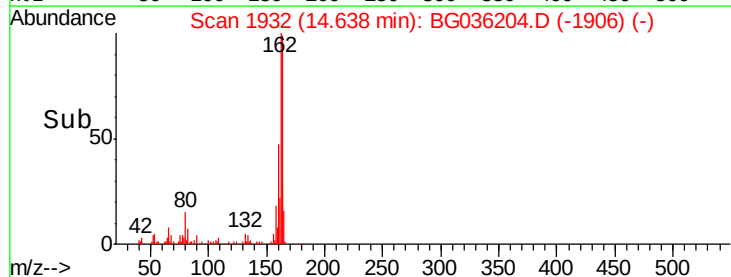
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 5.5   | 42.0  | 63.0#  |
| 89      | 0.0   | 66.9  | 100.3# |
| 182     | 0.0   | 2.6   | 3.8#   |



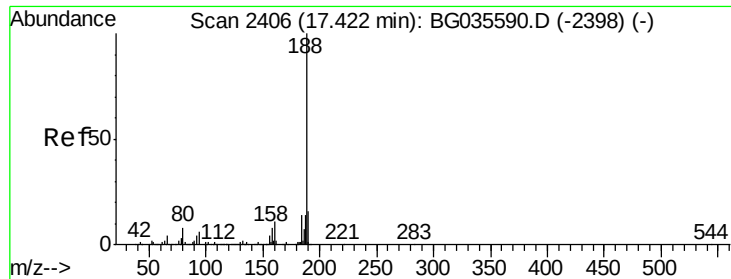
Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC  
 Ion 182.00 (181.70 to 182.70): E



Time-->







#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BG036204.D

Acq: 8 Aug 2018 19:13

Instrument :

BNA\_G

ClientSampleId :

MW-107S

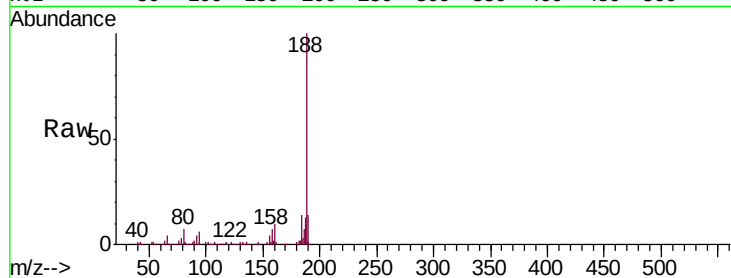
Tgt Ion:188 Resp: 182123

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

80 7.3 7.7 11.5#

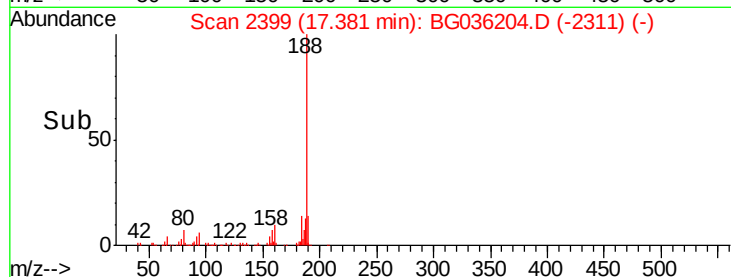


Abundance Ion 188.00 (187.70 to 188.70): E

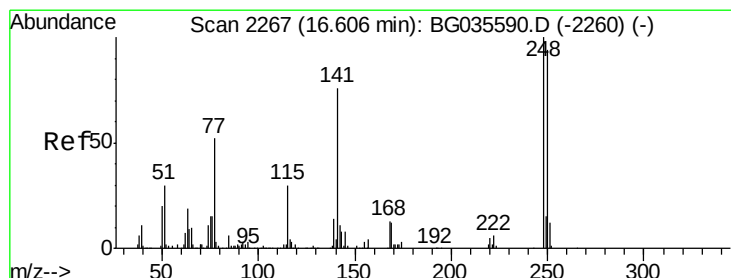
Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

17.38



Time-->



#66

4-Bromophenyl-phenylether

Concen: 6.298 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.46 min

Lab File: BG036204.D

Acq: 8 Aug 2018 19:13

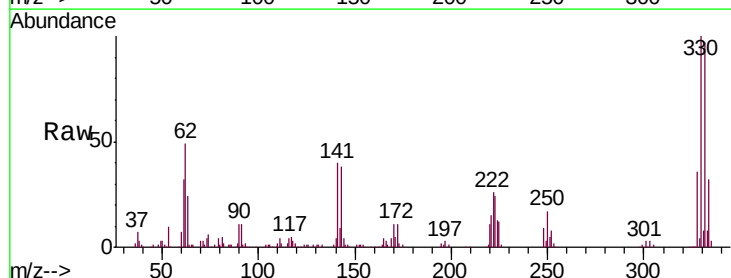
Tgt Ion:248 Resp: 13308

Ion Ratio Lower Upper

248 100

250 182.8 77.1 115.7#

141 431.6 50.8 76.2#

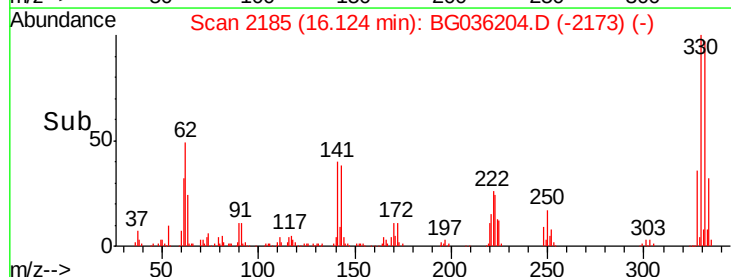


Abundance Ion 248.00 (247.70 to 248.70): E

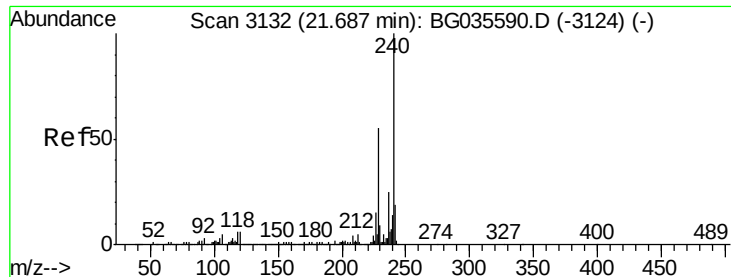
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

16.12



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036204.D

Acq: 8 Aug 2018 19:13

Instrument :

BNA\_G

ClientSampleId :

MW-107S

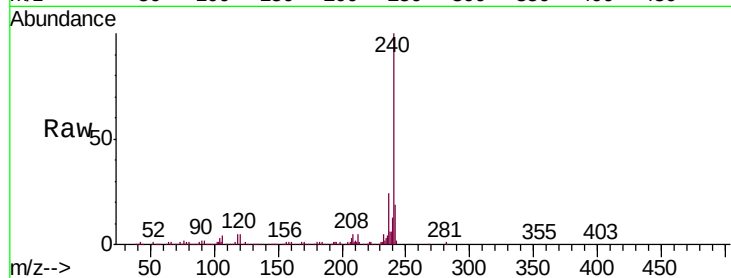
Tgt Ion:240 Resp: 199603

Ion Ratio Lower Upper

240 100

120 5.0 6.8 10.2#

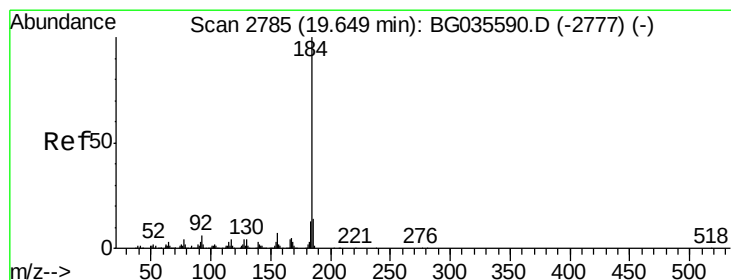
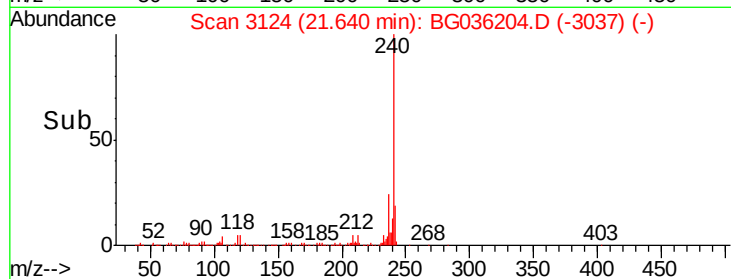
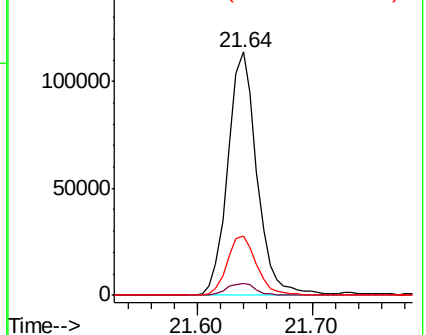
236 24.2 20.9 31.3



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



#76

Benzidine

Concen: 3.640 ng

RT: 19.99 min Scan# 2843

Delta R.T. 0.36 min

Lab File: BG036204.D

Acq: 8 Aug 2018 19:13

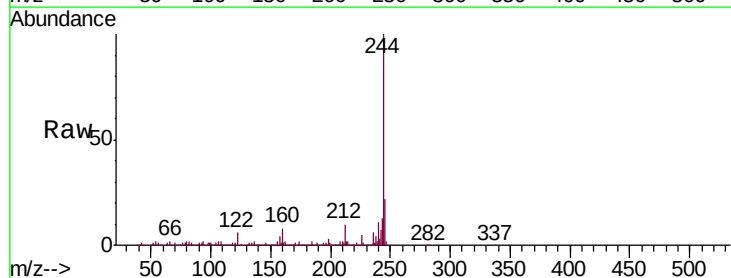
Tgt Ion:184 Resp: 19101

Ion Ratio Lower Upper

184 100

185 15.9 11.1 16.7

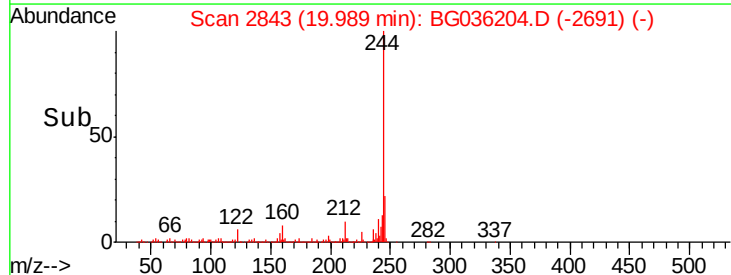
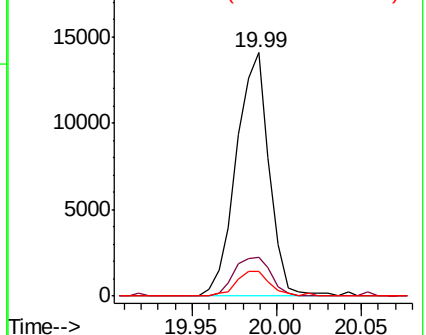
183 10.0 10.6 16.0#

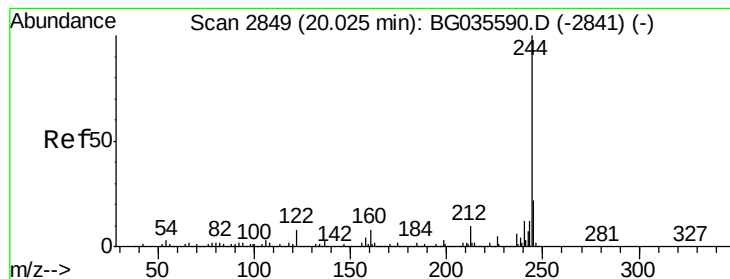


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 120.666 ng

RT: 19.99 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG036204.D

Acq: 8 Aug 2018 19:13

Instrument :

BNA\_G

ClientSampleId :

MW-107S

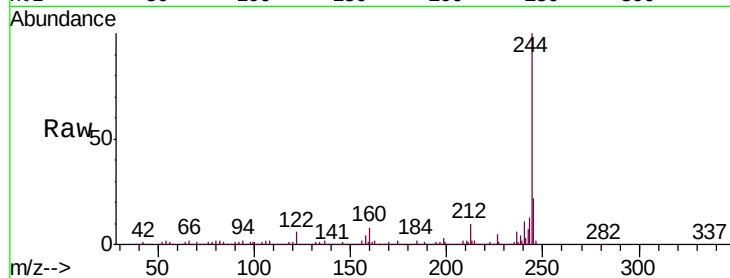
Tgt Ion:244 Resp: 1092647

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

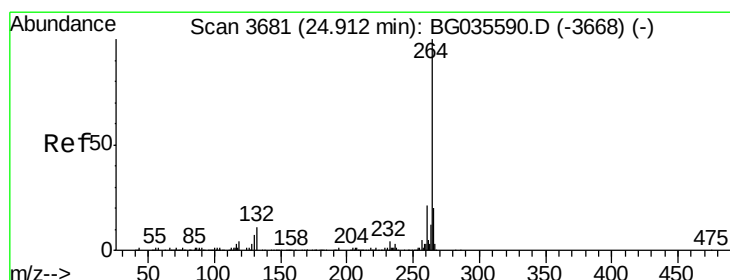
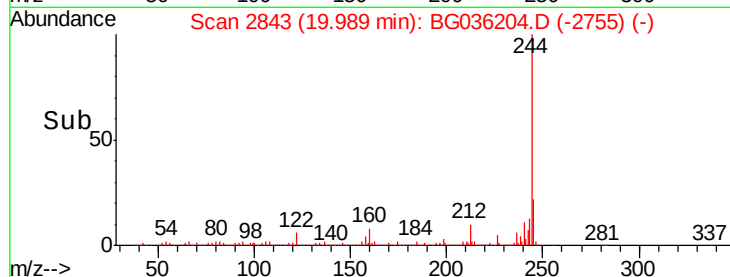
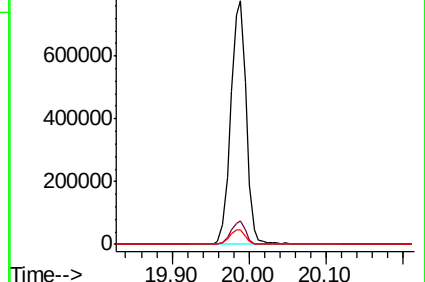
122 6.1 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.82 min Scan# 3666

Delta R.T. -0.04 min

Lab File: BG036204.D

Acq: 8 Aug 2018 19:13

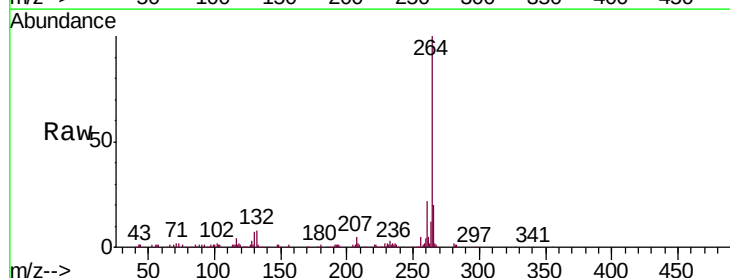
Tgt Ion:264 Resp: 191622

Ion Ratio Lower Upper

264 100

260 21.9 17.4 26.0

265 19.7 17.7 26.5



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

