

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\  
 Data File : BG038855.D  
 Acq On : 27 Dec 2018 22:33  
 Operator : JU/SJ  
 Sample : J6549-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-8

Quant Time: Dec 28 00:30:34 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

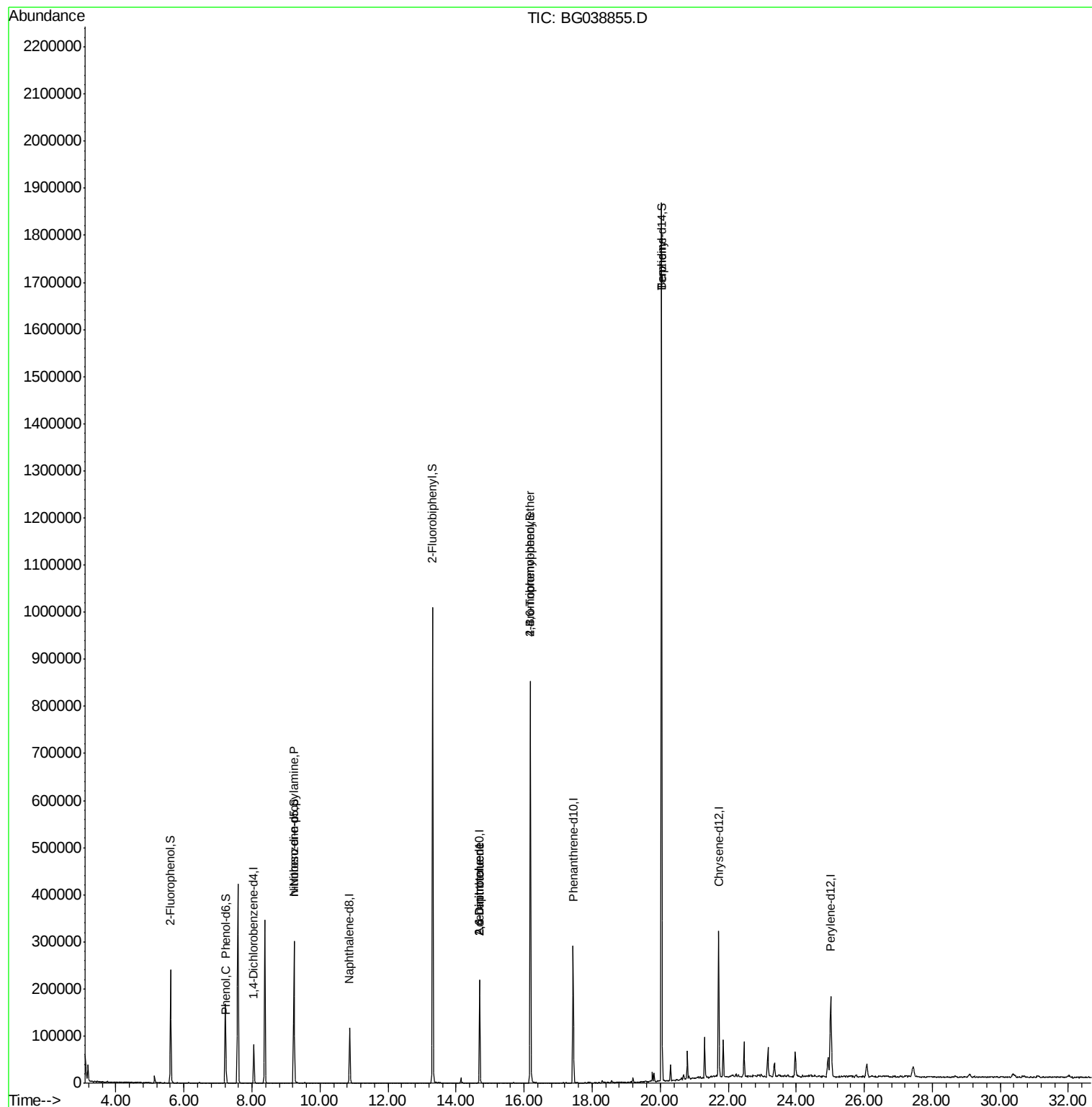
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.05  | 152  | 24136    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.87 | 136  | 104880   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.69 | 164  | 79787    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.44 | 188  | 194370   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.72 | 240  | 195579   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 25.02 | 264  | 209544   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 105159   | 77.28  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.22  | 99   | 101259   | 54.20  | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 9.23  | 82   | 184310   | 89.78  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.18 | 330  | 184545   | 167.83 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.31 | 172  | 540431   | 92.92  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.04 | 244  | 952934   | 106.04 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.24  | 94   | 6474     | 3.262  | ng    | 74       |
| 19) n-Nitroso-di-n-propylamine | 9.23  | 70   | 25698    | 19.586 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene         | 14.69 | 165  | 10503    | 7.113  | ng    | # 21     |
| 57) 2,4-Dinitrotoluene         | 14.69 | 165  | 10503    | 5.050  | ng    | # 22     |
| 67) 4-Bromophenyl-phenylether  | 16.18 | 248  | 11904    | 5.015  | ng    | # 1      |
| 77) Benzidine                  | 20.04 | 184  | 15909    | 2.750  | ng    | # 93     |

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

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QLast Update : Wed Dec 12 15:26:27 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 845

Delta R.T. -0.01 min

Lab File: BG038855.D

Acq: 27 Dec 2018 22:33

Instrument :

BNA\_G

ClientSampleId :

MW-8

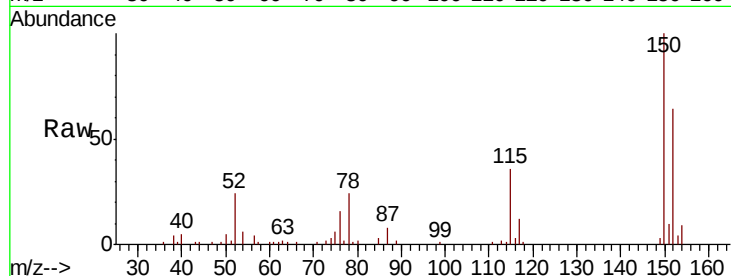
Tot Ion:152 Resp: 24136

Ion Ratio Lower Upper

152 100

150 156.1 119.5 179.3

115 56.5 49.6 74.4

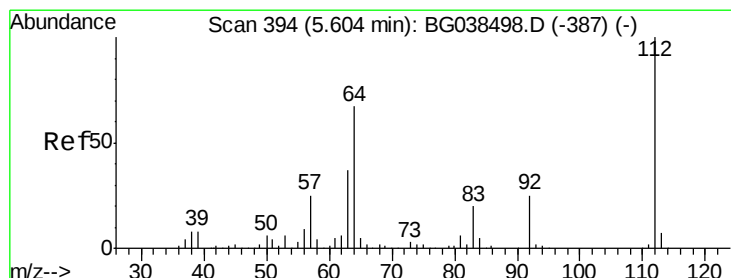
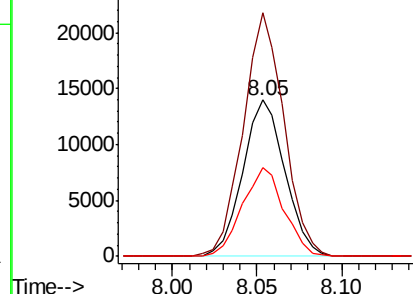
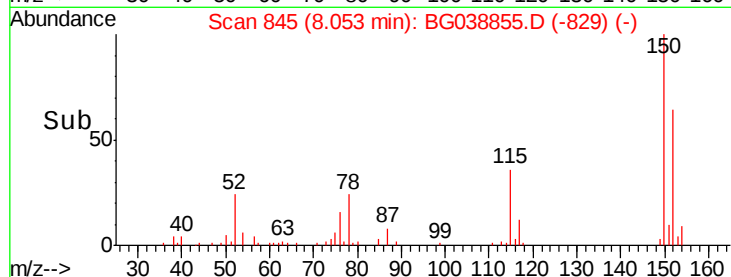


Abundance

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: 77.277 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG038855.D

Acq: 27 Dec 2018 22:33

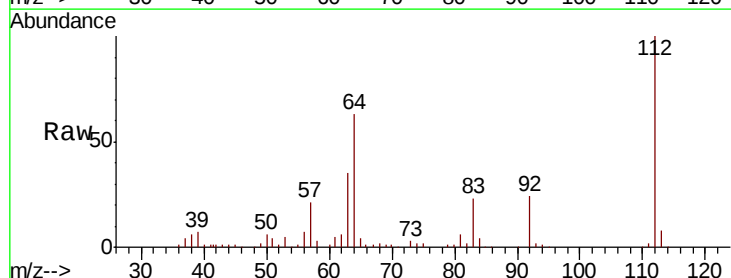
Tgt Ion:112 Resp: 105159

Ion Ratio Lower Upper

112 100

64 62.9 53.4 80.2

63 35.2 29.3 43.9

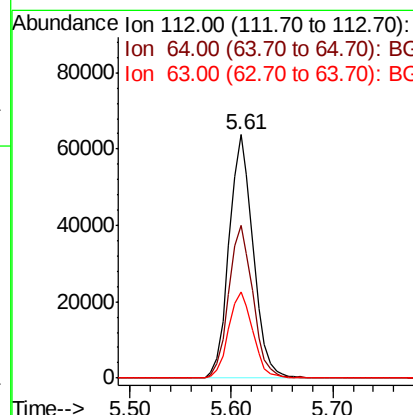
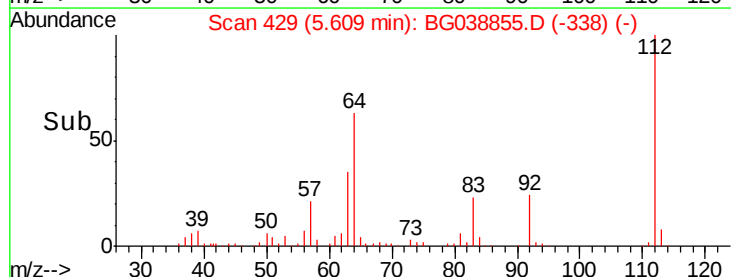


Abundance

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: 54.204 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038855.D

Acq: 27 Dec 2018 22:33

Instrument :

BNA\_G

ClientSampleId :

MW-8

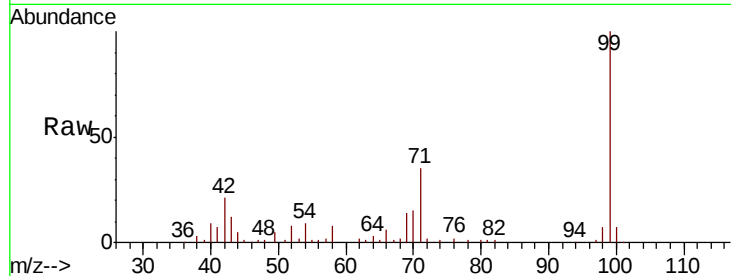
Tot Ion: 99 Resp: 101259

Ion Ratio Lower Upper

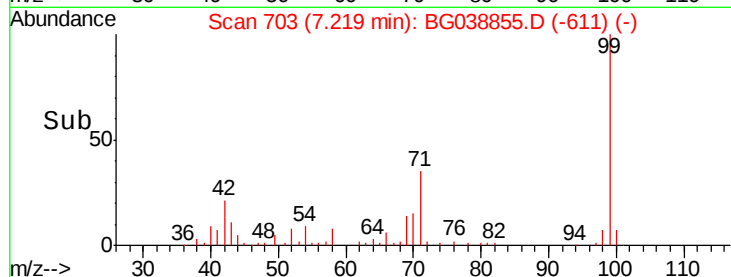
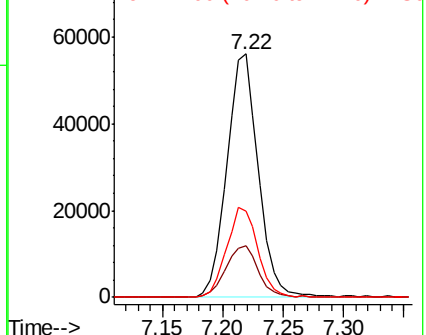
99 100

42 21.1 18.5 27.7

71 35.4 31.1 46.7



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: 3.262 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG038855.D

Acq: 27 Dec 2018 22:33

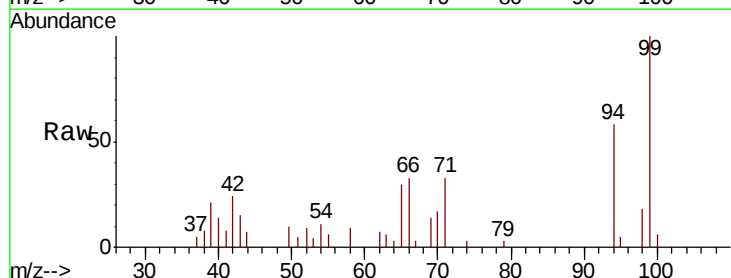
Tgt Ion: 94 Resp: 6474

Ion Ratio Lower Upper

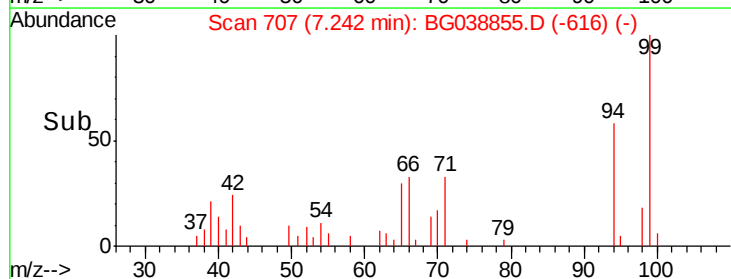
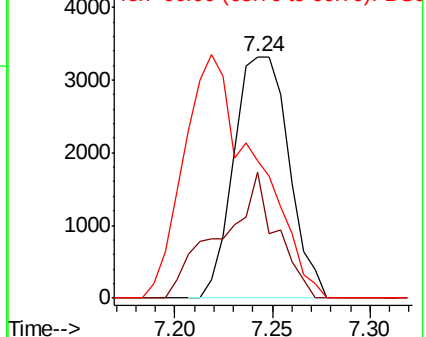
94 100

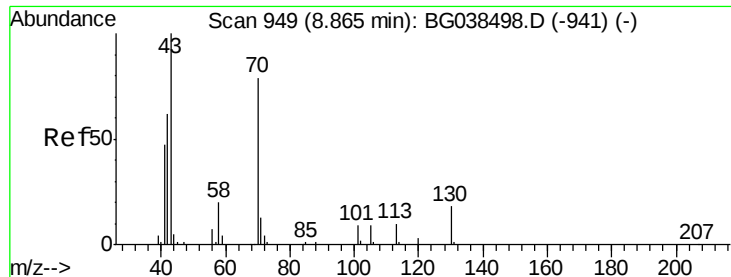
65 51.9 12.6 52.6

66 56.7 24.1 64.1



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

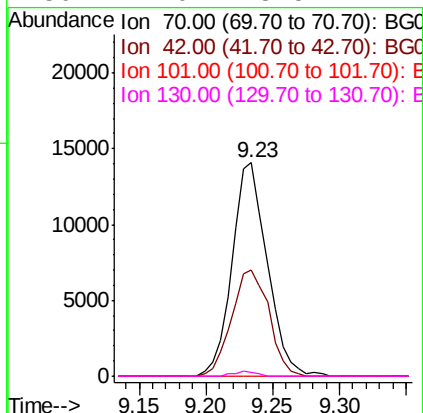
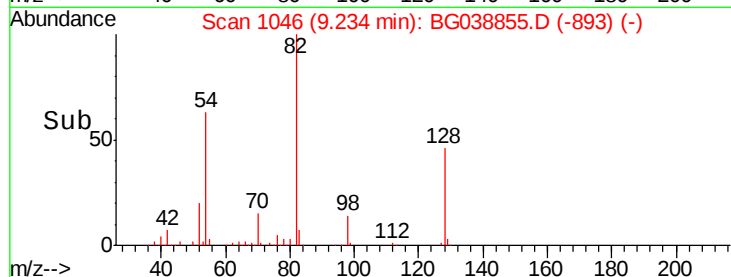
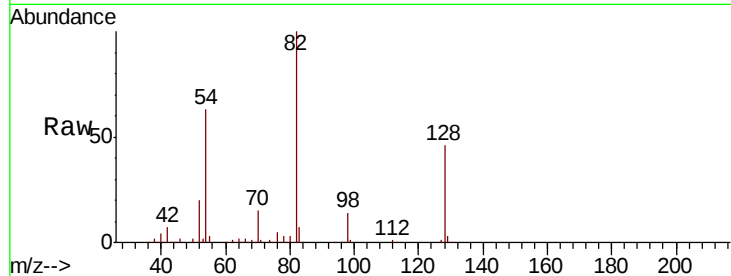




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.586 ng  
RT: 9.23 min Scan# 1046  
Delta R.T. 0.37 min  
Lab File: BG038855.D  
Acq: 27 Dec 2018 22:33

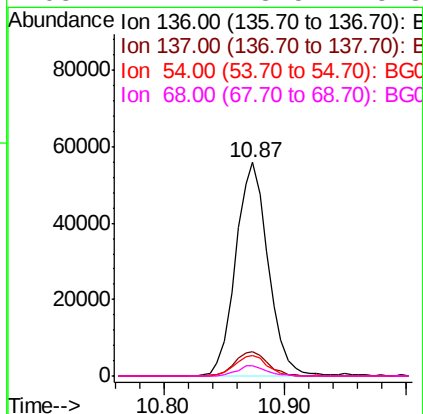
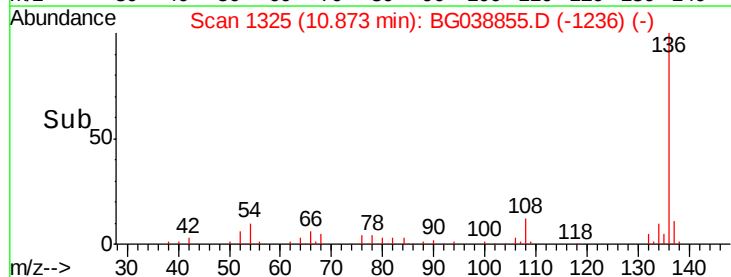
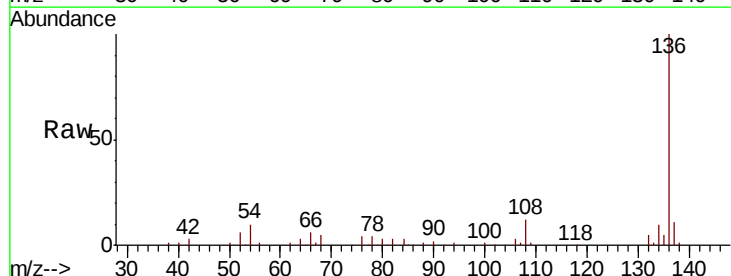
Instrument :  
BNA\_G  
ClientSampleId :  
MW-8

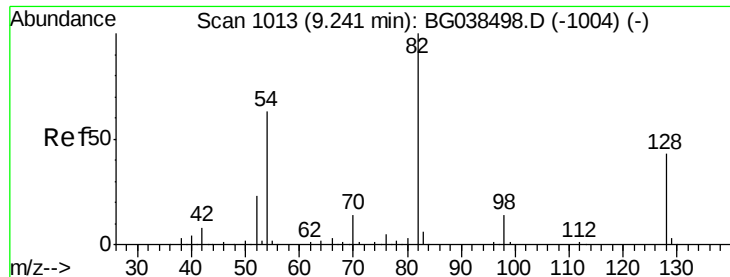
Tot Ion: 70 Resp: 25698  
Ion Ratio Lower Upper  
70 100  
42 49.9 63.6 95.4#  
101 0.0 9.2 13.8#  
130 2.0 18.5 27.7#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1325  
Delta R.T. -0.01 min  
Lab File: BG038855.D  
Acq: 27 Dec 2018 22:33

Tgt Ion: 136 Resp: 104880  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.3 13.9  
54 9.6 8.5 12.7  
68 4.7 3.5 5.3

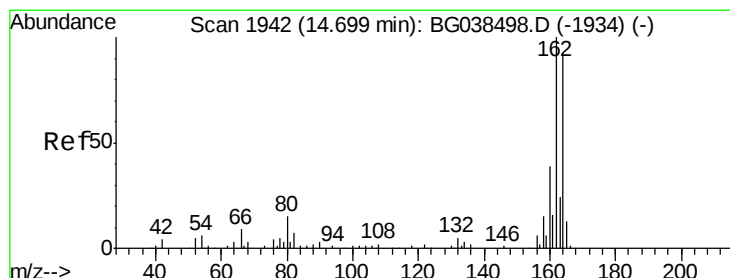
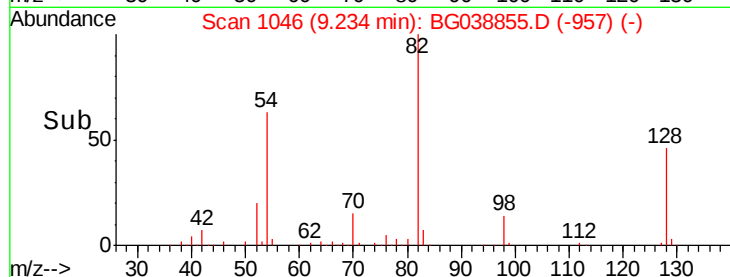
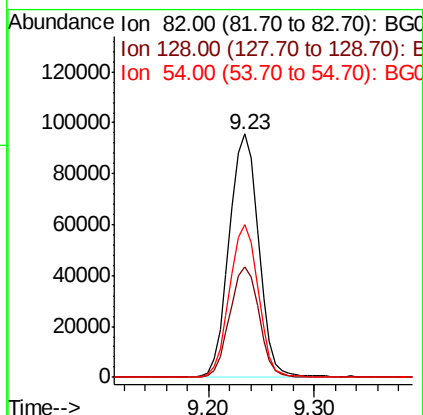
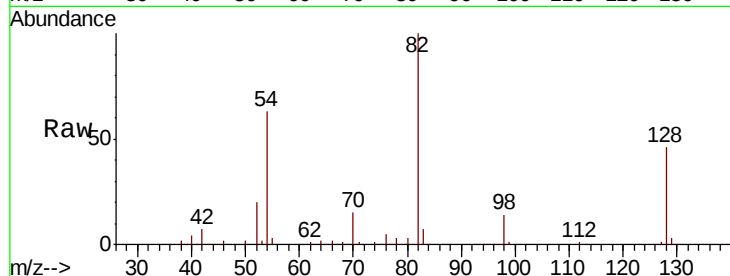




#23  
Nitrobenzene-d5  
Concen: 89.778 ng  
RT: 9.23 min Scan# 1046  
Delta R.T. -0.01 min  
Lab File: BG038855.D  
Acq: 27 Dec 2018 22:33

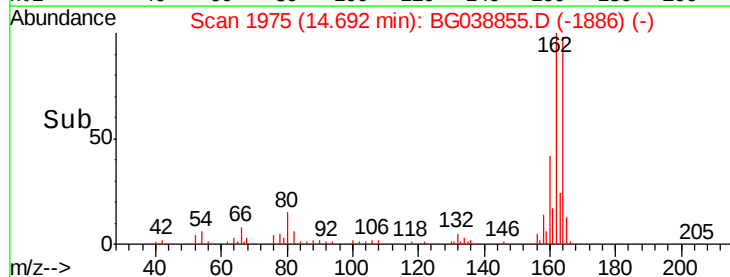
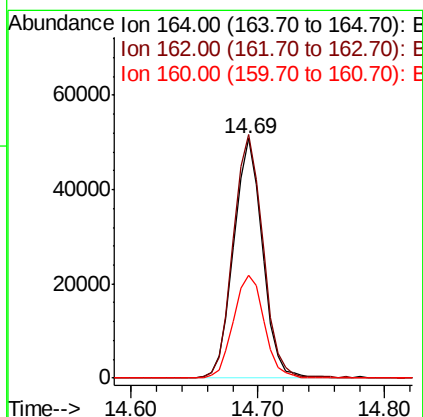
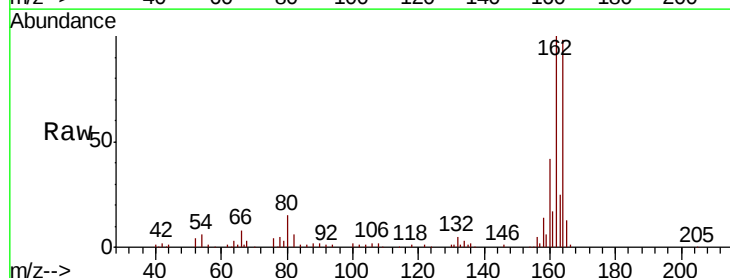
Instrument :  
BNA\_G  
ClientSampleId :  
MW-8

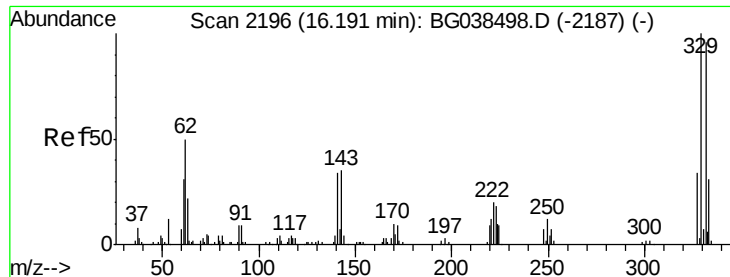
Tot Ion: 82 Resp: 184310  
Ion Ratio Lower Upper  
82 100  
128 45.6 34.6 52.0  
54 62.5 50.6 76.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.69 min Scan# 1975  
Delta R.T. -0.01 min  
Lab File: BG038855.D  
Acq: 27 Dec 2018 22:33

Tgt Ion:164 Resp: 79787  
Ion Ratio Lower Upper  
164 100  
162 101.7 86.6 130.0  
160 43.0 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 167.828 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038855.D

Acq: 27 Dec 2018 22:33

Instrument :

BNA\_G

ClientSampled :

MW-8

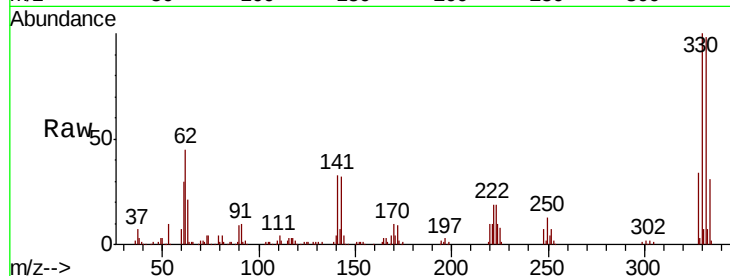
Tot Ion:330 Resp: 184545

Ion Ratio Lower Upper

330 100

332 97.1 76.9 115.3

141 32.6 28.8 43.2

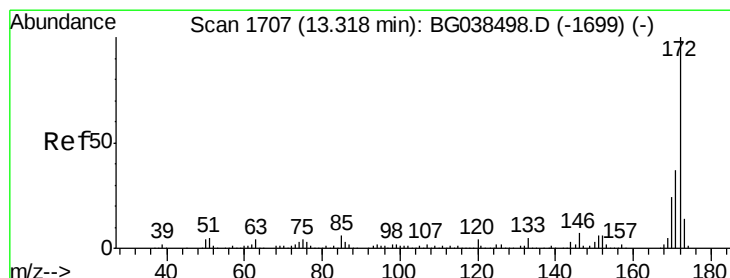
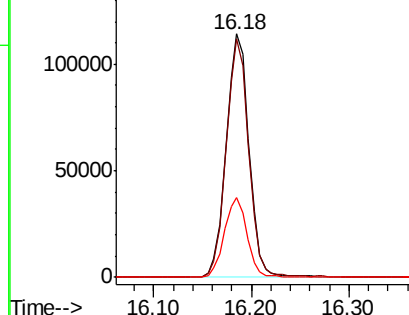
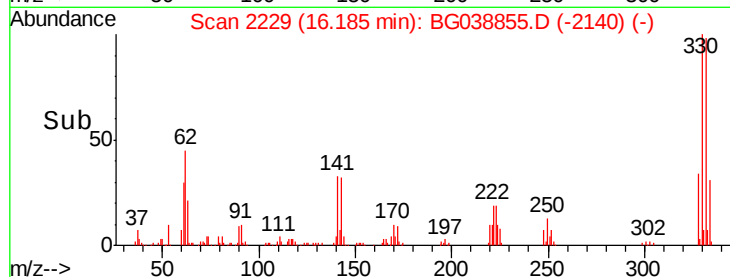


Abundance

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: 92.921 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG038855.D

Acq: 27 Dec 2018 22:33

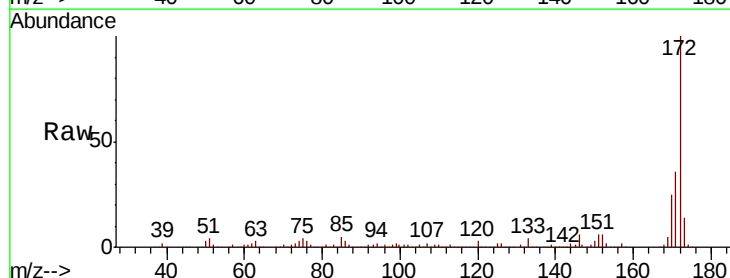
Tgt Ion:172 Resp: 540431

Ion Ratio Lower Upper

172 100

171 36.5 29.8 44.6

170 24.5 19.5 29.3

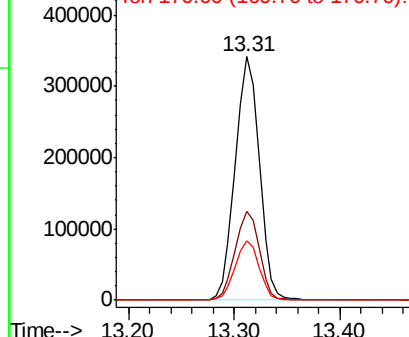
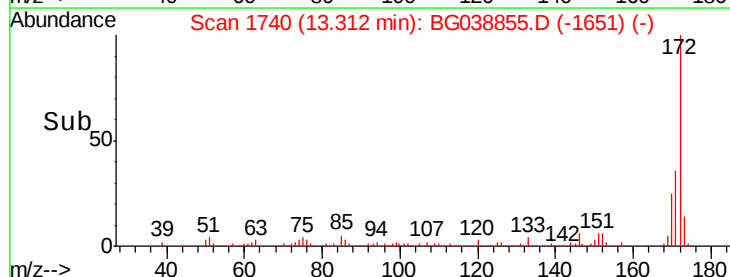


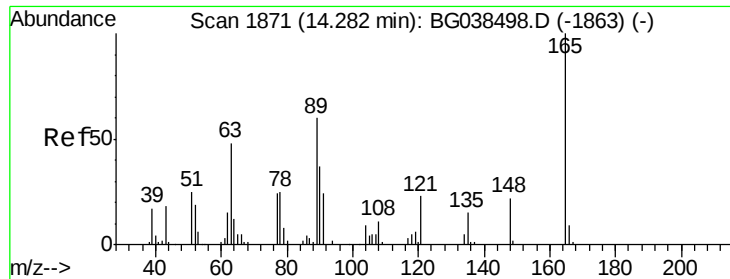
Abundance

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

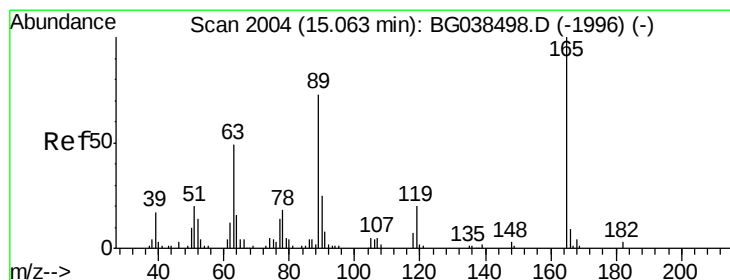
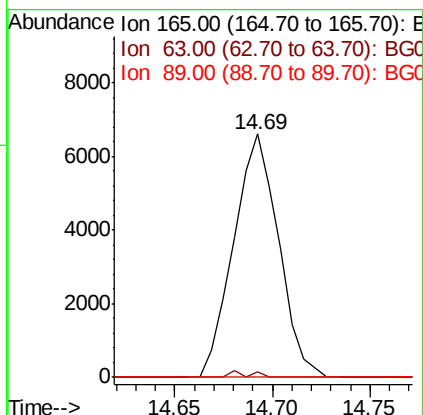
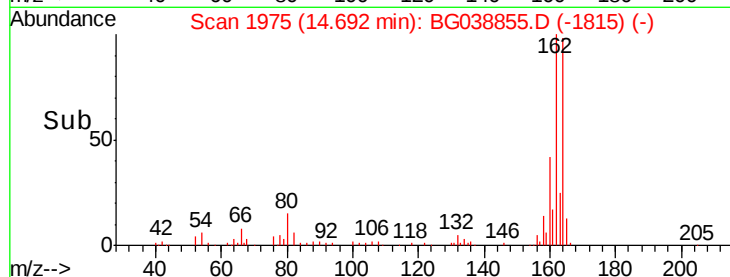
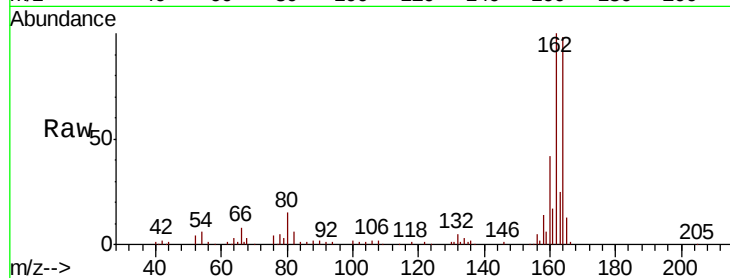




#51  
 2,6-Dinitrotoluene  
 Concen: 7.113 ng  
 RT: 14.69 min Scan# 1975  
 Delta R.T. 0.41 min  
 Lab File: BG038855.D  
 Acq: 27 Dec 2018 22:33

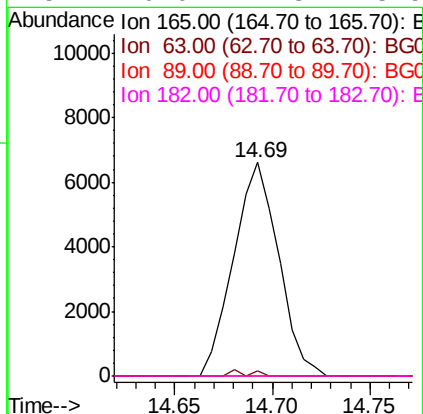
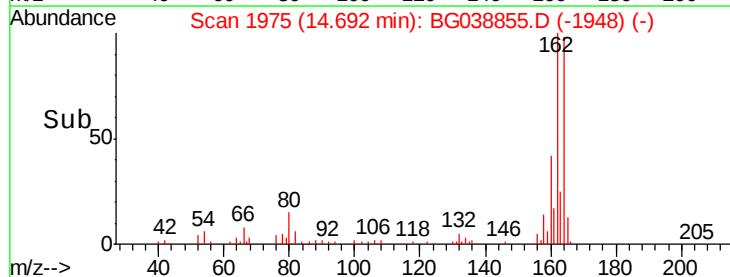
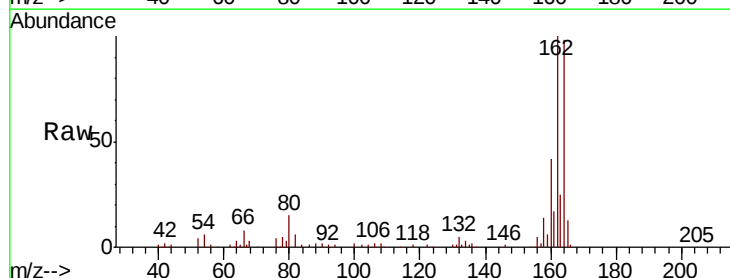
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-8

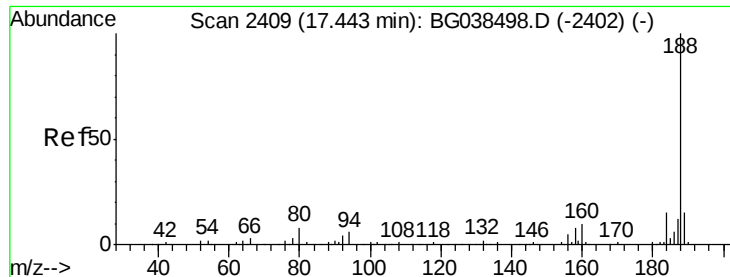
Tot Ion:165 Resp: 10503  
 Ion Ratio Lower Upper  
 165 100  
 63 2.5 51.8 77.6#  
 89 0.0 47.9 71.9#



#57  
 2,4-Dinitrotoluene  
 Concen: 5.050 ng  
 RT: 14.69 min Scan# 1975  
 Delta R.T. -0.37 min  
 Lab File: BG038855.D  
 Acq: 27 Dec 2018 22:33

Tgt Ion:165 Resp: 10503  
 Ion Ratio Lower Upper  
 165 100  
 63 2.5 39.0 58.4#  
 89 0.0 58.0 87.0#  
 182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG038855.D

Acq: 27 Dec 2018 22:33

Instrument :

BNA\_G

ClientSampleId :

MW-8

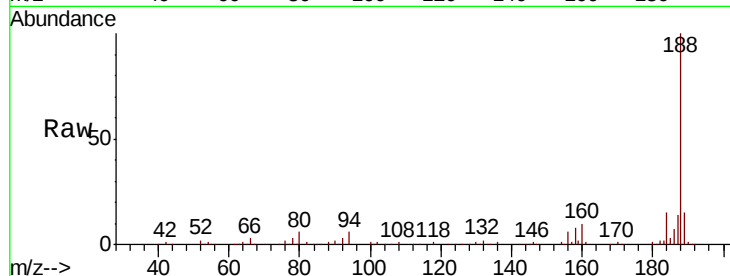
Tot Ion:188 Resp: 194370

Ion Ratio Lower Upper

188 100

94 6.0 5.1 7.7

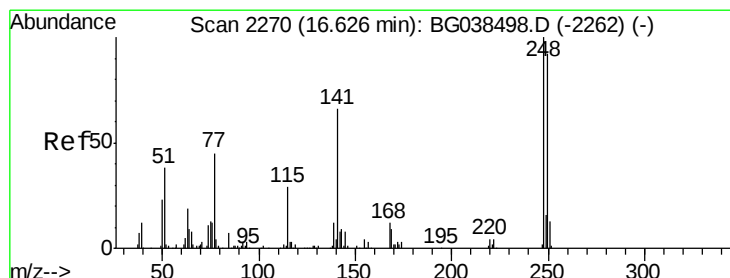
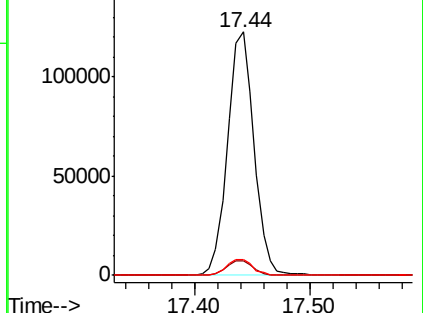
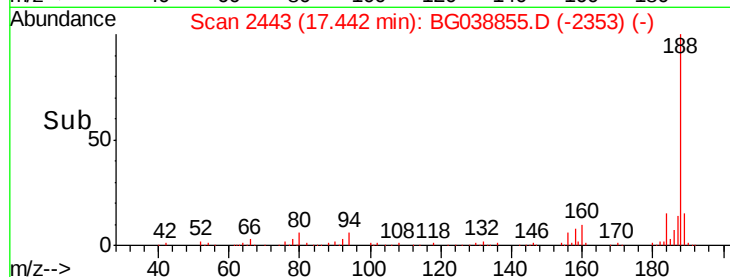
80 6.4 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG038855.D (-2353) (-)

Ion 80.00 (79.70 to 80.70): BG038855.D (-2353) (-)



#67

4-Bromophenyl-phenylether

Concen: 5.015 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.44 min

Lab File: BG038855.D

Acq: 27 Dec 2018 22:33

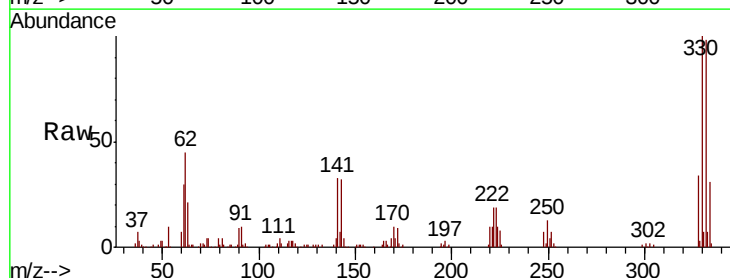
Tgt Ion:248 Resp: 11904

Ion Ratio Lower Upper

248 100

250 188.5 73.4 110.2#

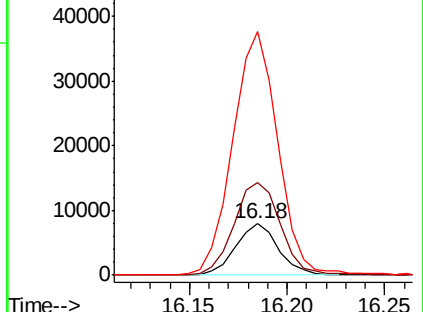
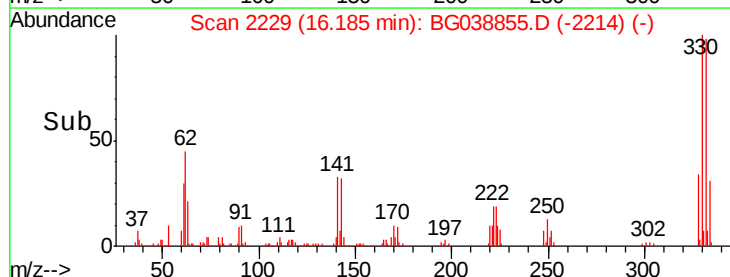
141 369.1 52.9 79.3#

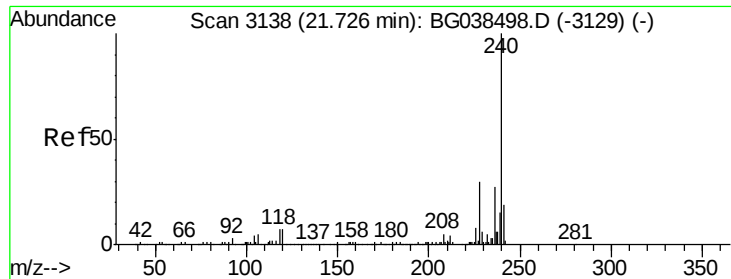


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

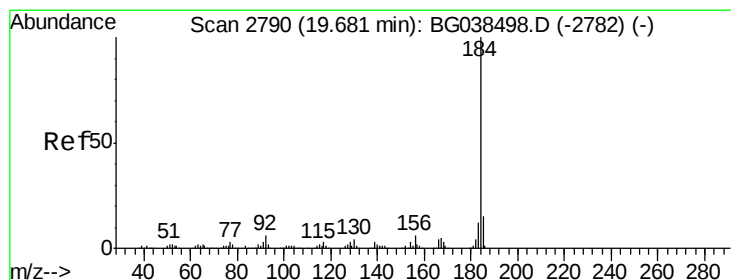
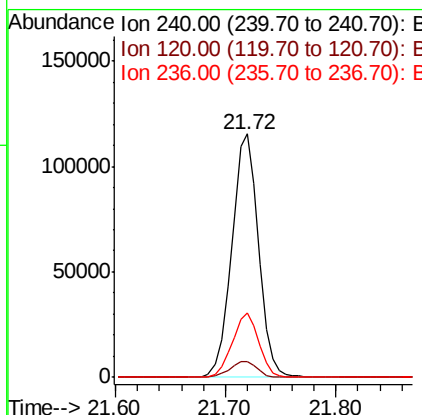
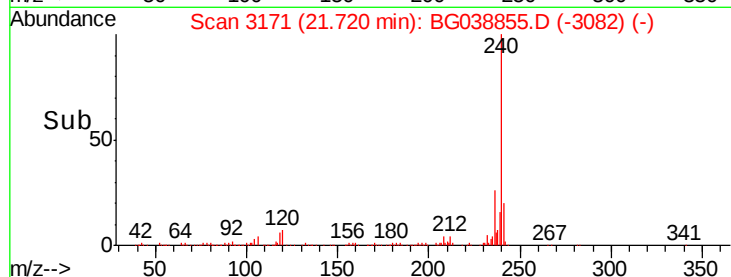
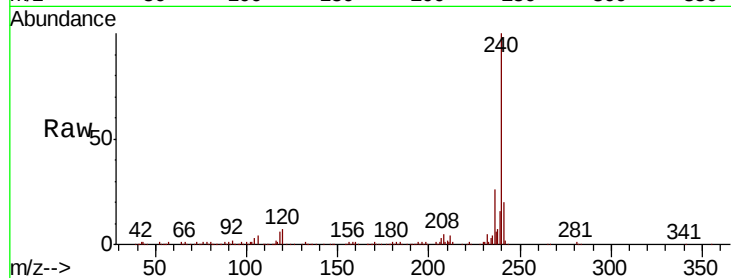




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 21.72 min Scan# 3171  
 Delta R.T. -0.01 min  
 Lab File: BG038855.D  
 Acq: 27 Dec 2018 22:33

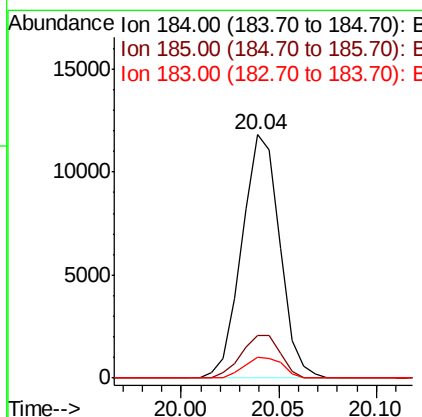
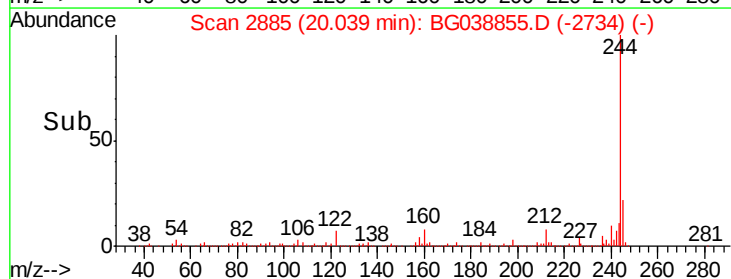
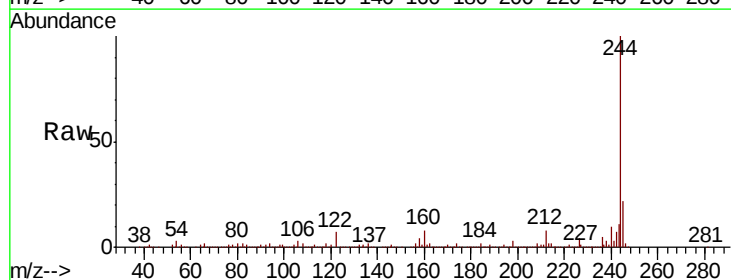
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-8

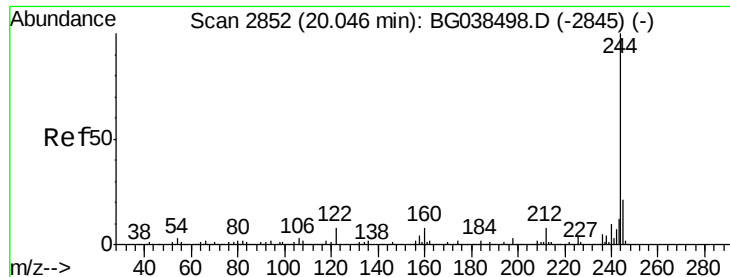
Tot Ion:240 Resp: 195579  
 Ion Ratio Lower Upper  
 240 100  
 120 6.5 5.3 7.9  
 236 26.5 21.4 32.2



#77  
 Benzidine  
 Concen: 2.750 ng  
 RT: 20.04 min Scan# 2885  
 Delta R.T. 0.36 min  
 Lab File: BG038855.D  
 Acq: 27 Dec 2018 22:33

Tgt Ion:184 Resp: 15909  
 Ion Ratio Lower Upper  
 184 100  
 185 17.7 12.2 18.2  
 183 8.5 9.6 14.4#





#79

Terphenyl-d14

Concen: 106.039 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038855.D

Acq: 27 Dec 2018 22:33

Instrument :

BNA\_G

ClientSampleId :

MW-8

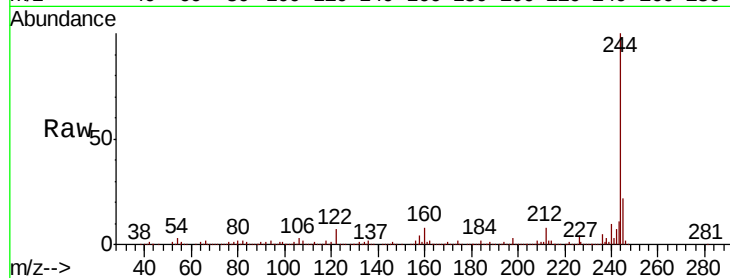
Tot Ion:244 Resp: 952934

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

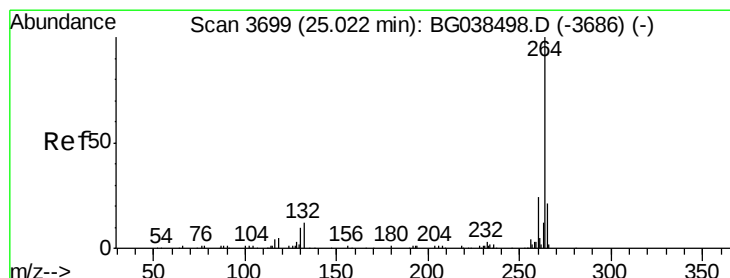
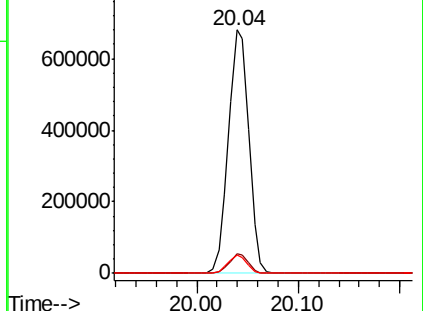
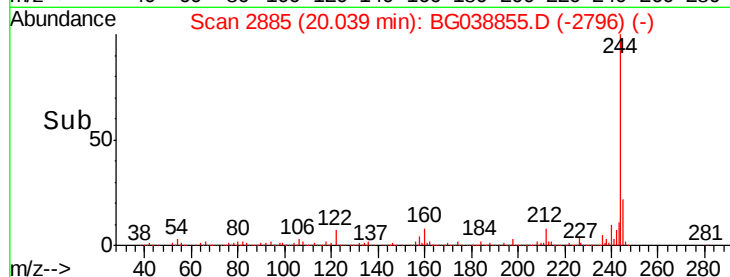
122 7.3 6.3 9.5



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: 25.02 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038855.D

Acq: 27 Dec 2018 22:33

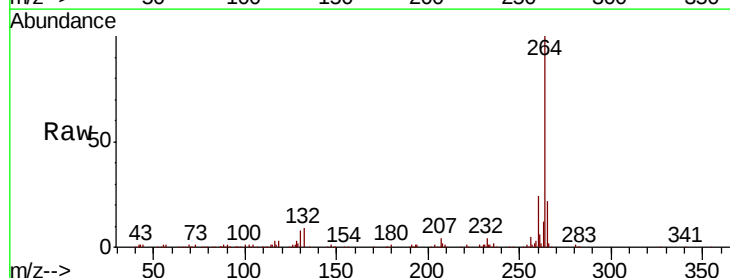
Tgt Ion:264 Resp: 209544

Ion Ratio Lower Upper

264 100

260 24.3 18.9 28.3

265 21.6 17.0 25.4



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

