

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070218\  
 Data File : BG035574.D  
 Acq On : 3 Jul 2018 6:42  
 Operator : JU/SJ  
 Sample : J3800-03  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 03 08:05:14 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 2018  
 Response via : Initial Calibration

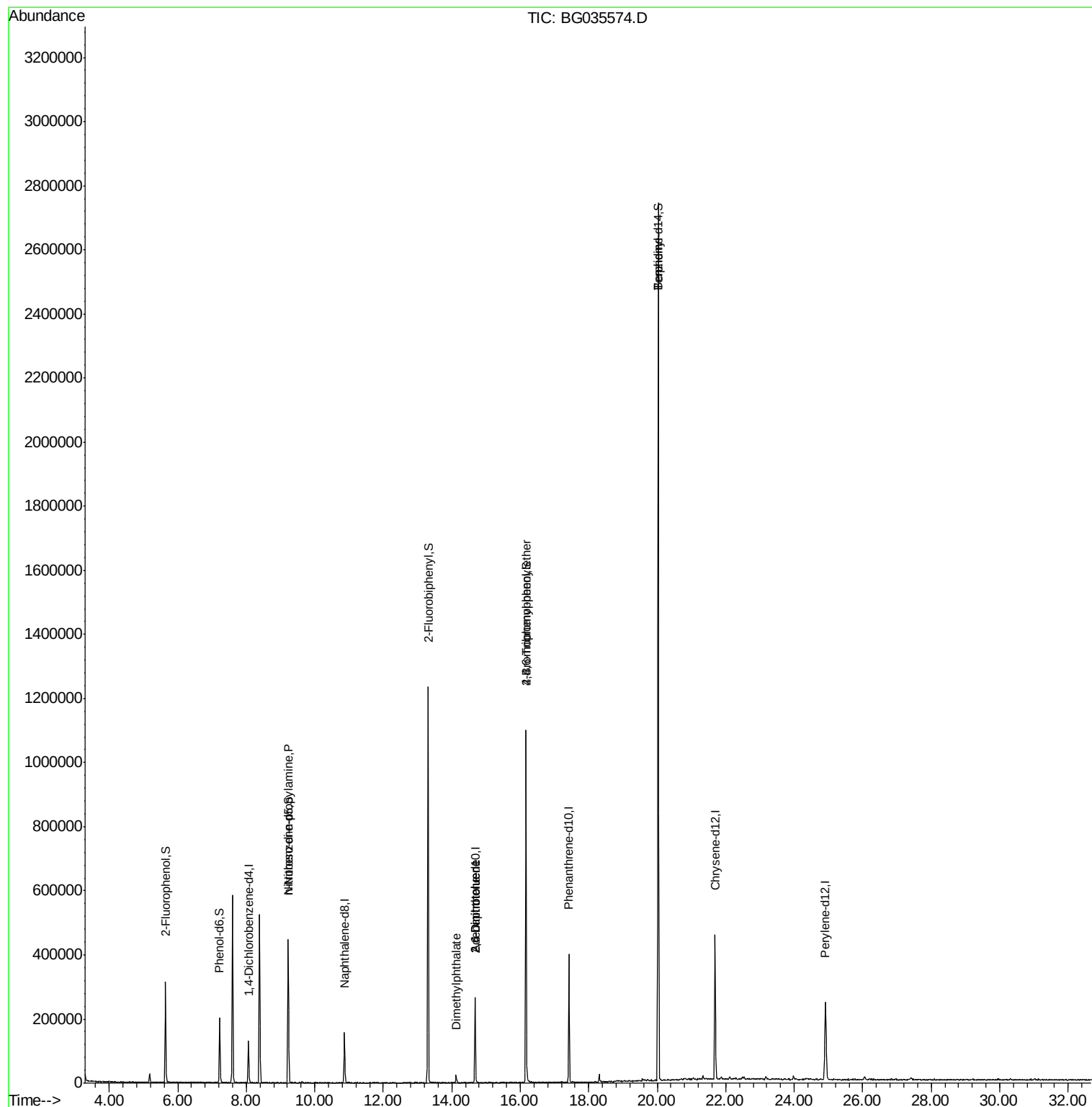
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.06  | 152  | 36194    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 10.87 | 136  | 132530   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 14.68 | 164  | 95415    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 17.42 | 188  | 258021   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 21.69 | 240  | 289916   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 24.91 | 264  | 276583   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.64  | 112  | 139140   | 64.88  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.22  | 99   | 124107   | 39.21  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.23  | 82   | 298775   | 107.16 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 16.17 | 330  | 211398   | 173.07 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 13.31 | 172  | 674179   | 91.85  | ng    | -0.02    |
| 78) Terphenyl-d14              | 20.03 | 244  | 1308769  | 94.56  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.22  | 70   | 41594    | 15.467 | ng    | # 68     |
| 49) Dimethylphthalate          | 14.13 | 163  | 18909    | 2.273  | ng    | # 98     |
| 50) 2,6-Dinitrotoluene         | 14.68 | 165  | 13984    | 9.213  | ng    | # 22     |
| 56) 2,4-Dinitrotoluene         | 14.68 | 165  | 13984    | 6.935  | ng    | # 20     |
| 66) 4-Bromophenyl-phenylether  | 16.17 | 248  | 17603    | 5.665  | ng    | # 1      |
| 76) Benzidine                  | 20.03 | 184  | 22421    | 2.079  | ng    | # 93     |

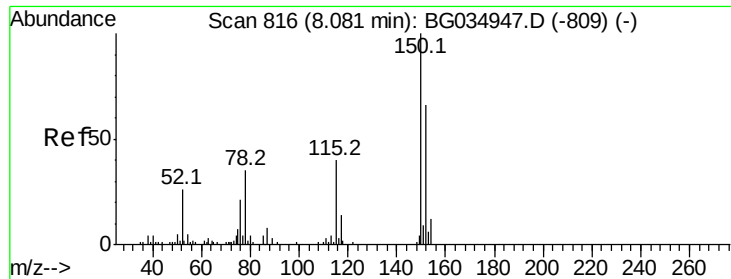
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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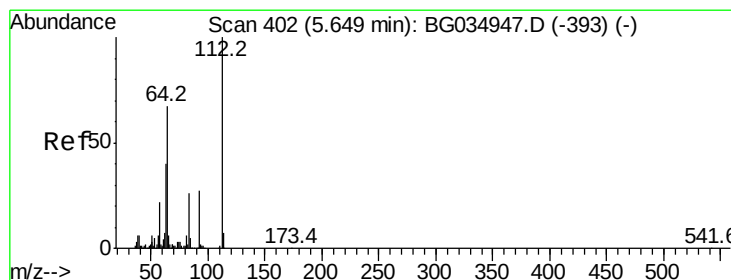
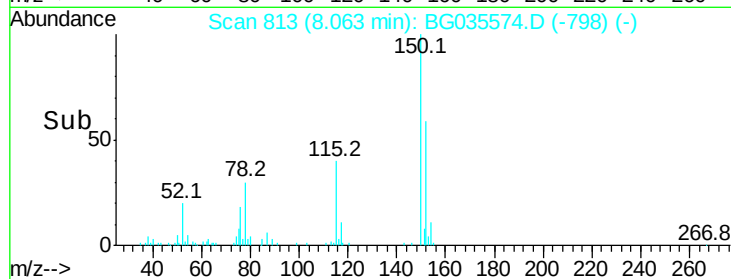
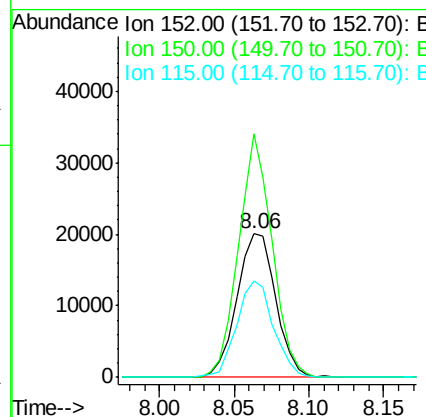
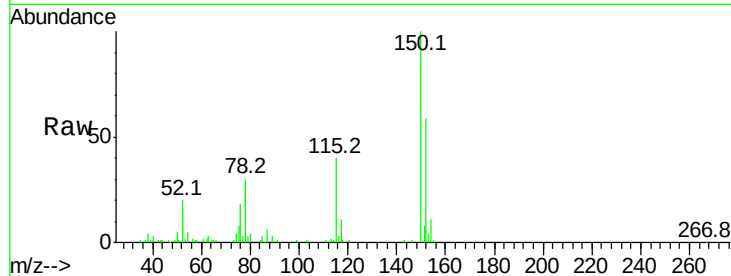


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BG035574.D  
Acq: 3 Jul 2018 6:42

Instrument :  
BNA\_G  
ClientSampleId :

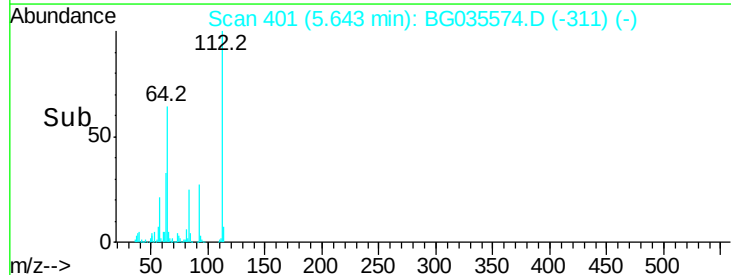
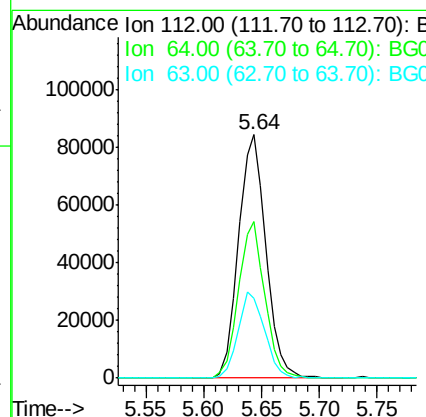
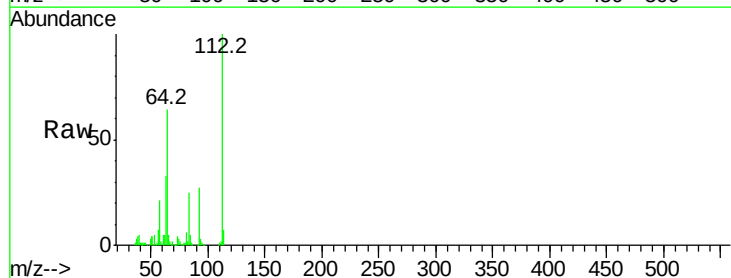
Tot Ion:152 Resp: 36194  
Ion Ratio Lower Upper  
152 100  
150 169.7 126.6 189.8  
115 67.0 53.0 79.4

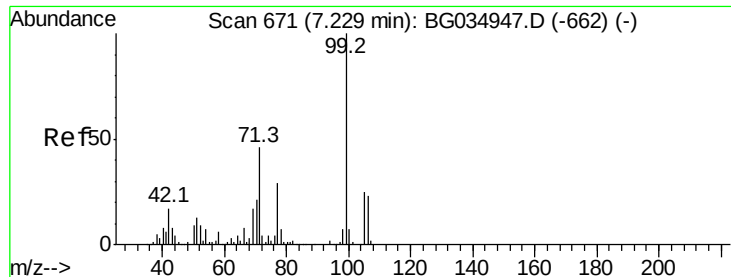


#5

2-Fluorophenol  
Concen: 64.876 ng  
RT: 5.64 min Scan# 401  
Delta R.T. -0.00 min  
Lab File: BG035574.D  
Acq: 3 Jul 2018 6:42

Tgt Ion:112 Resp: 139140  
Ion Ratio Lower Upper  
112 100  
64 64.4 56.3 84.5  
63 32.5 30.1 45.1





#7

Phenol-d6

Concen: 39.207 ng

RT: 7.22 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG035574.D

Acq: 3 Jul 2018 6:42

Instrument :

BNA\_G

ClientSampleId :

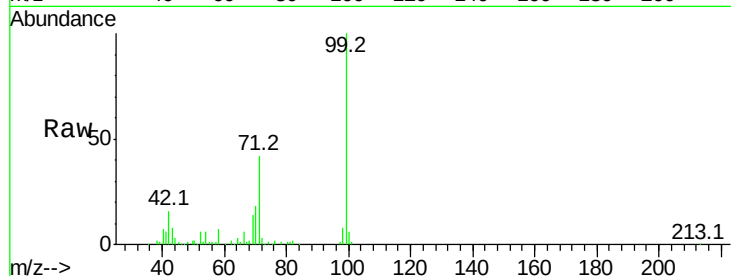
Tot Ion: 99 Resp: 124107

Ion Ratio Lower Upper

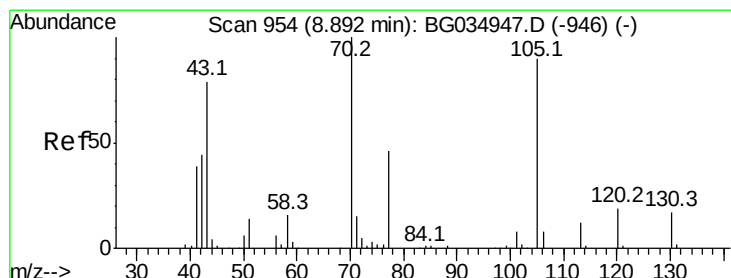
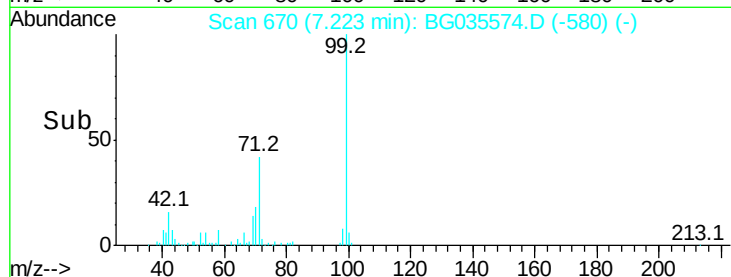
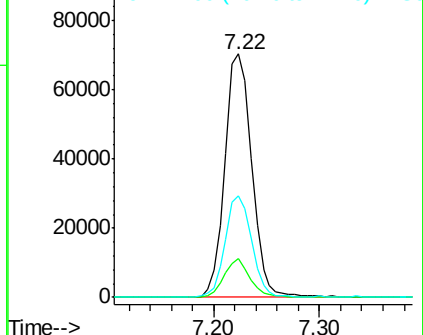
99 100

42 16.1 14.1 21.1

71 41.9 26.1 39.1#



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: 15.467 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035574.D

Acq: 3 Jul 2018 6:42

Tgt Ion: 70 Resp: 41594

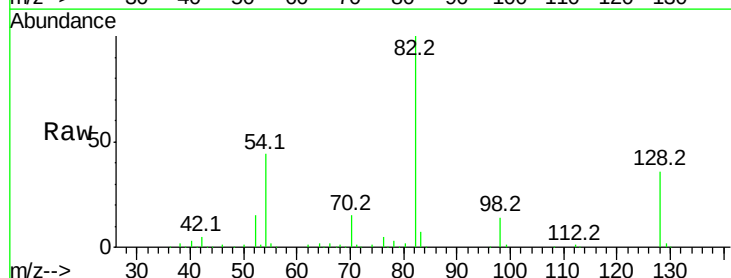
Ion Ratio Lower Upper

70 100

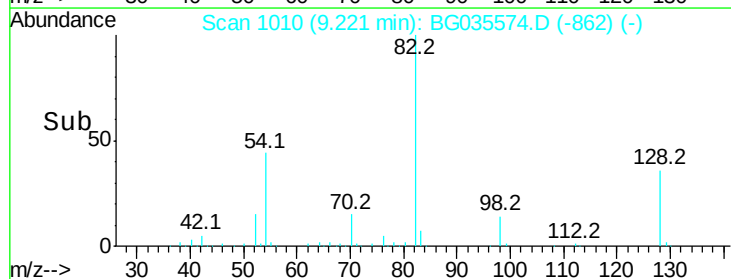
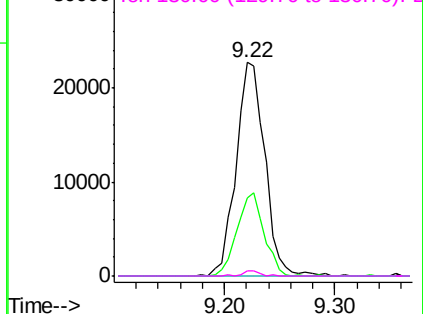
42 36.9 49.1 73.7#

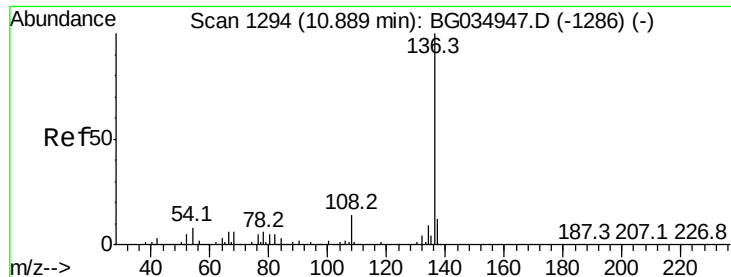
101 0.0 8.5 12.7#

130 2.3 13.4 20.0#



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: 10.87 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BG035574.D

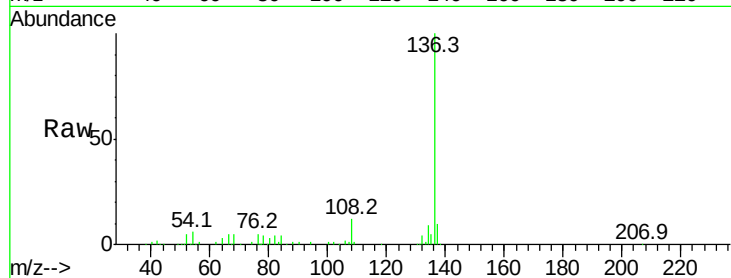
Acq: 3 Jul 2018 6:42

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 132530 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 9.7   | 9.2   | 13.8   |
| 54       | 6.1   | 10.3  | 15.5   |
| 68       | 4.7   | 4.5   | 6.7    |

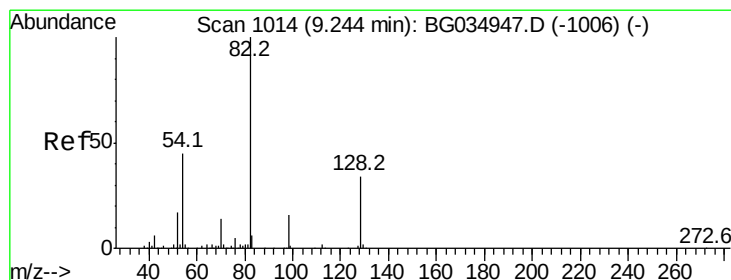
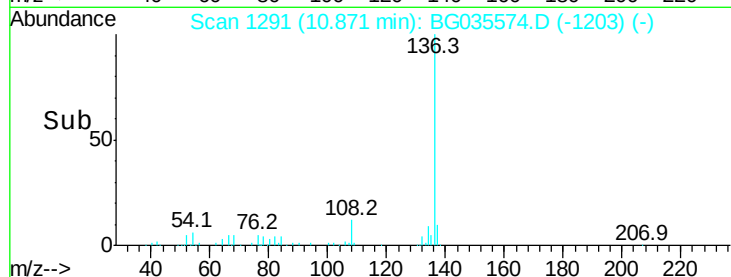
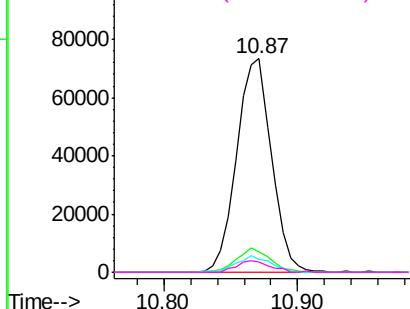


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#23

Nitrobenzene-d5

Concen: 107.161 ng

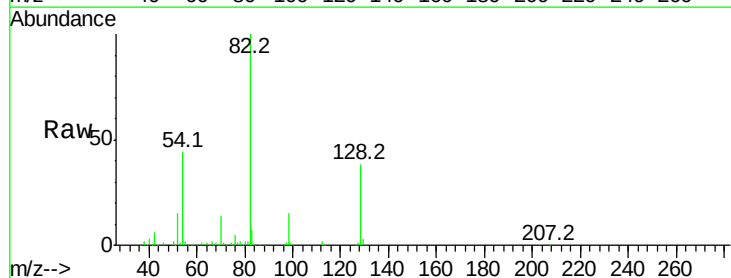
RT: 9.23 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BG035574.D

Acq: 3 Jul 2018 6:42

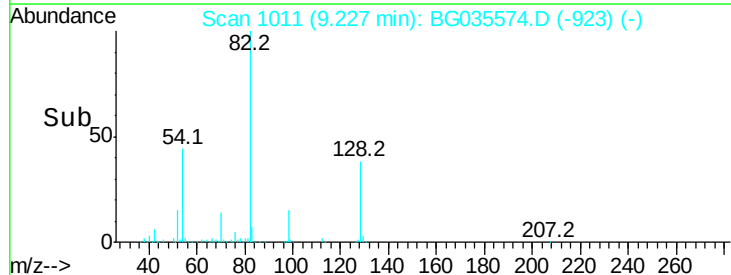
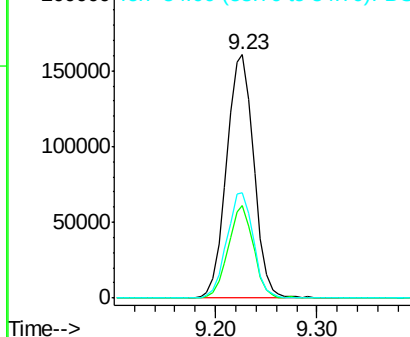
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 298775 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 38.0  | 29.7  | 44.5   |
| 54       | 43.5  | 43.1  | 64.7   |

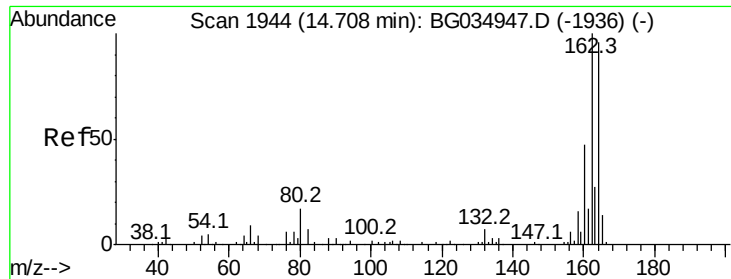


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG035574.D

Acq: 3 Jul 2018 6:42

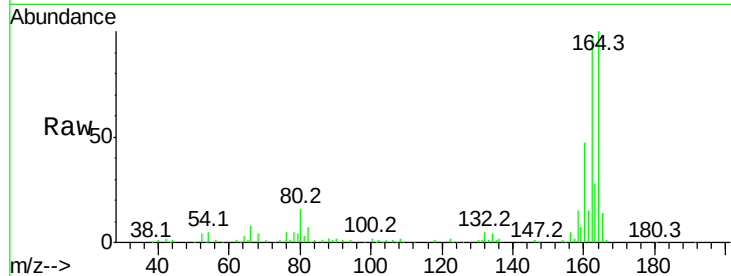
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:164 Resp: 95415

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 96.7  | 78.8  | 118.2 |
| 160 | 46.5  | 35.4  | 53.0  |

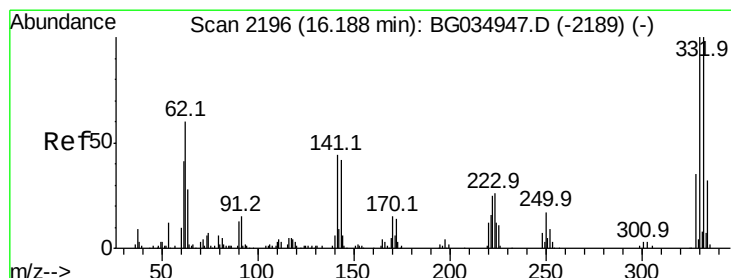
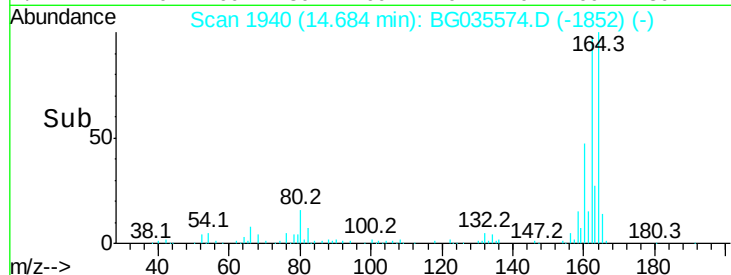
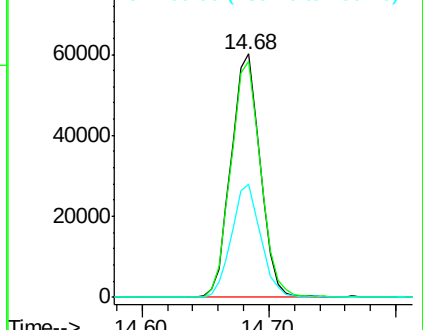


Abundance

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: 173.074 ng

RT: 16.17 min Scan# 2193

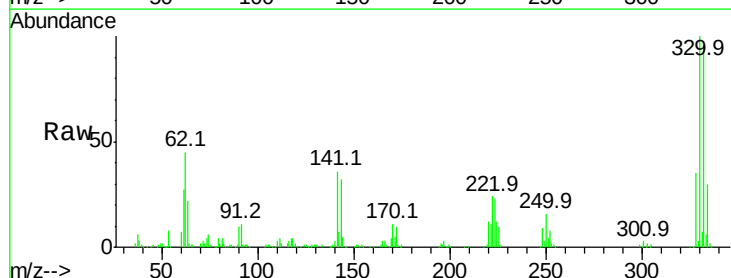
Delta R.T. -0.01 min

Lab File: BG035574.D

Acq: 3 Jul 2018 6:42

Tgt Ion:330 Resp: 211398

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 95.9  | 77.0  | 115.6 |
| 141 | 36.8  | 25.2  | 37.8  |

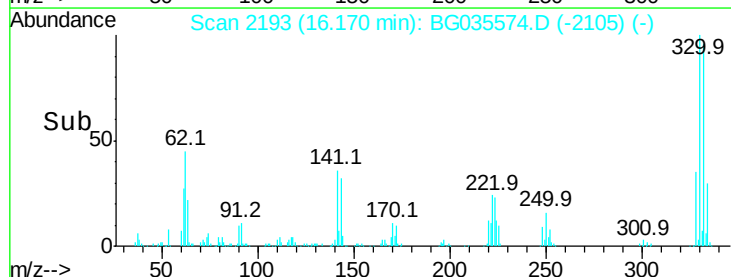
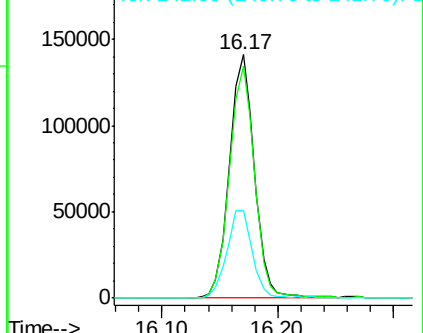


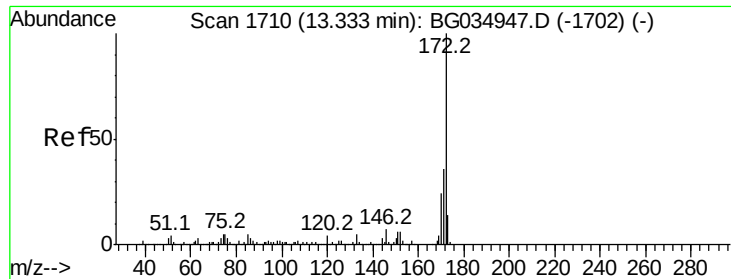
Abundance

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

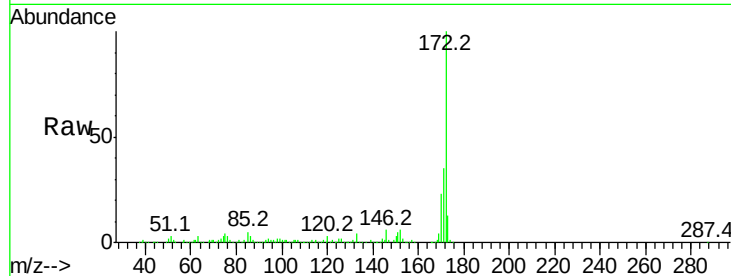




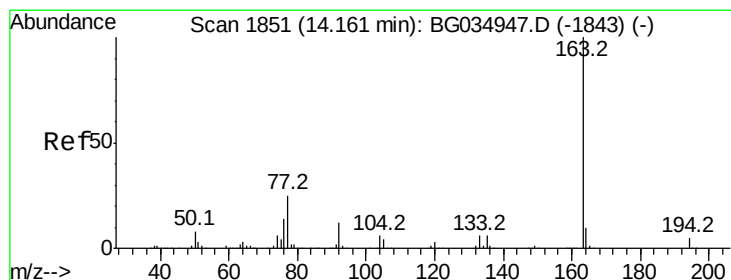
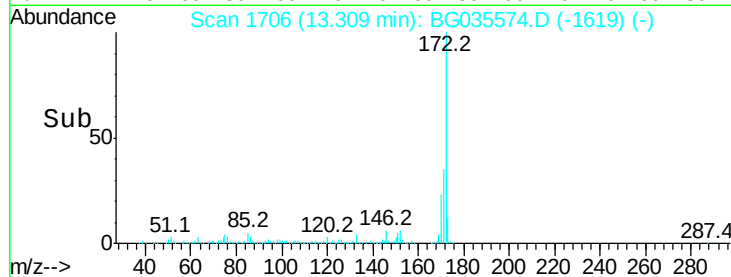
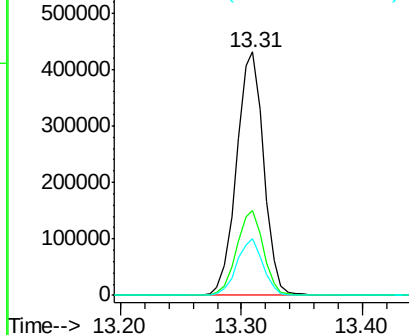
#44  
2-Fluorobiphenyl  
Concen: 91.855 ng  
RT: 13.31 min Scan# 1706  
Delta R.T. -0.02 min  
Lab File: BG035574.D  
Acq: 3 Jul 2018 6:42

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:172 Resp: 674179  
Ion Ratio Lower Upper  
172 100  
171 35.0 30.0 45.0  
170 23.1 19.5 29.3

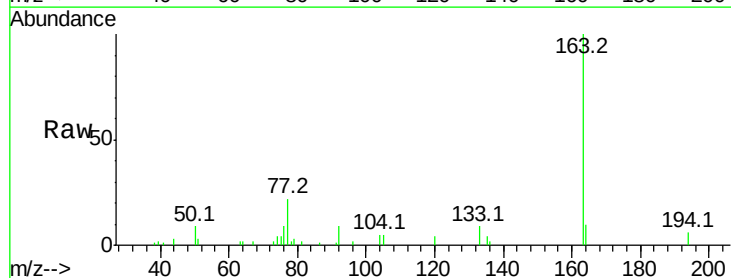


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

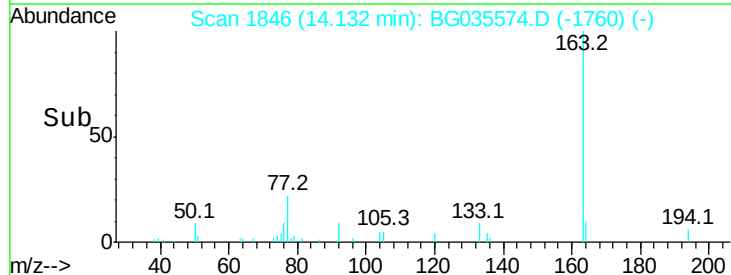
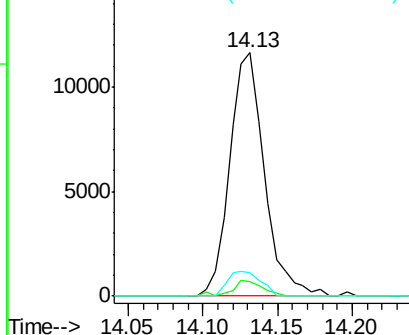


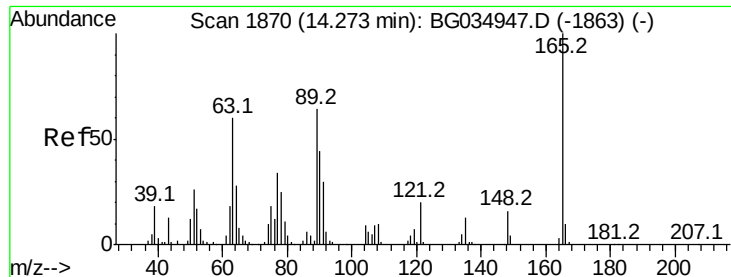
#49  
Dimethylphthalate  
Concen: 2.273 ng  
RT: 14.13 min Scan# 1846  
Delta R.T. -0.02 min  
Lab File: BG035574.D  
Acq: 3 Jul 2018 6:42

Tgt Ion:163 Resp: 18909  
Ion Ratio Lower Upper  
163 100  
194 5.8 3.4 5.2#  
164 9.7 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

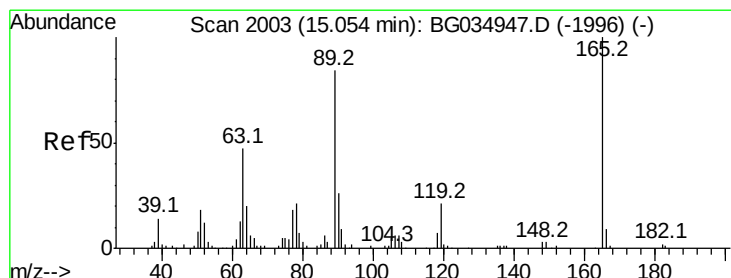
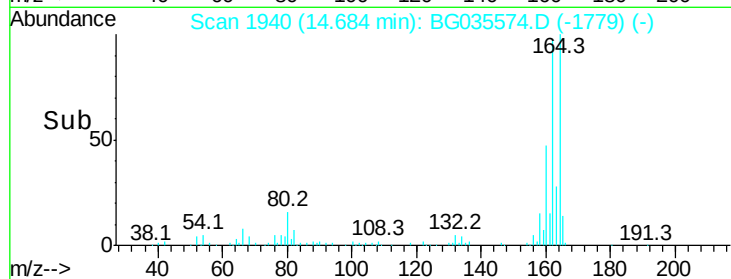
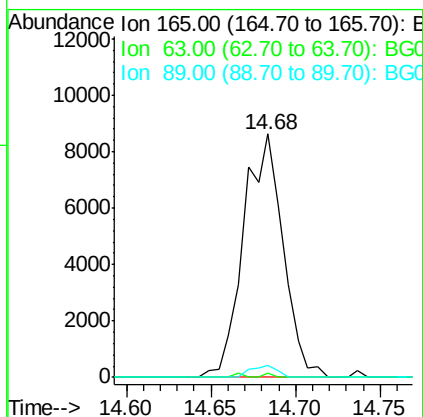
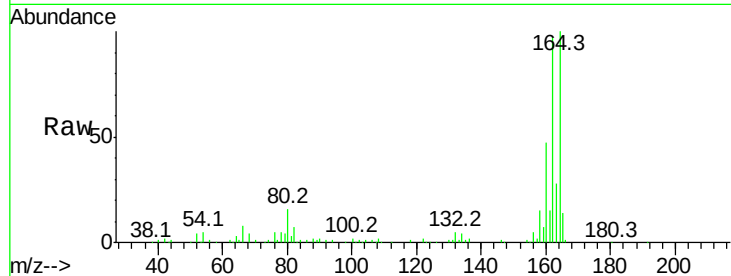




#50  
 2,6-Dinitrotoluene  
 Concen: 9.213 ng  
 RT: 14.68 min Scan# 1940  
 Delta R.T. 0.42 min  
 Lab File: BG035574.D  
 Acq: 3 Jul 2018 6:42

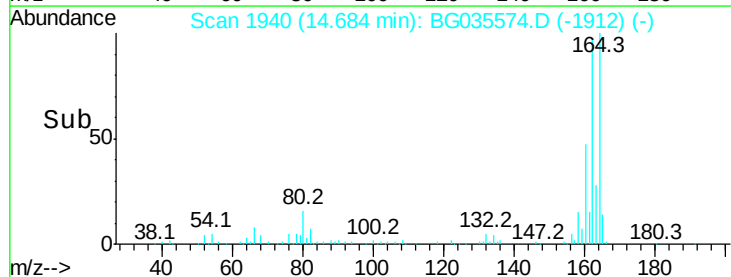
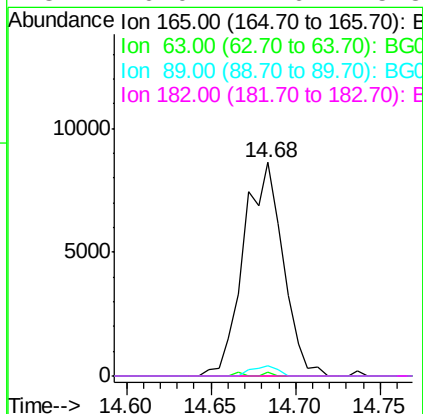
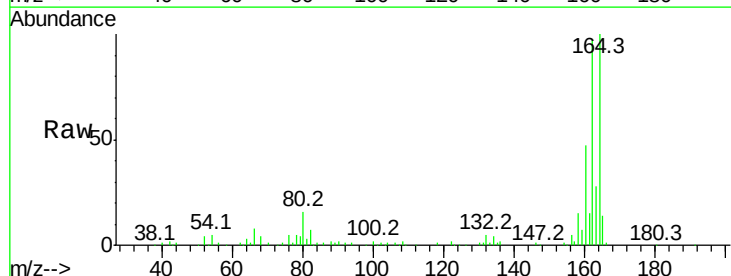
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:165 Resp: 13984  
 Ion Ratio Lower Upper  
 165 100  
 63 1.8 52.7 79.1#  
 89 4.8 49.2 73.8#

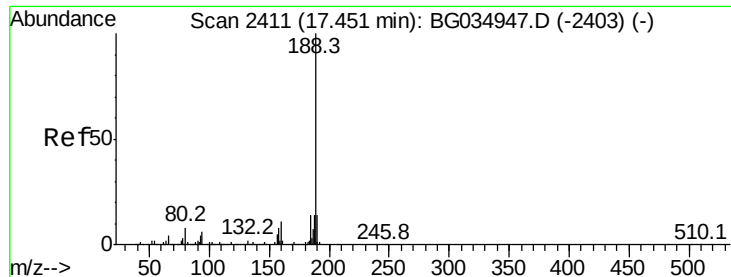


#56  
 2,4-Dinitrotoluene  
 Concen: 6.935 ng  
 RT: 14.68 min Scan# 1940  
 Delta R.T. -0.37 min  
 Lab File: BG035574.D  
 Acq: 3 Jul 2018 6:42

Tgt Ion:165 Resp: 13984  
 Ion Ratio Lower Upper  
 165 100  
 63 1.8 42.0 63.0#  
 89 4.8 66.9 100.3#  
 182 0.0 2.6 3.8#







#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2406

Delta R.T. -0.02 min

Lab File: BG035574.D

Acq: 3 Jul 2018 6:42

Instrument :

BNA\_G

ClientSampleId :

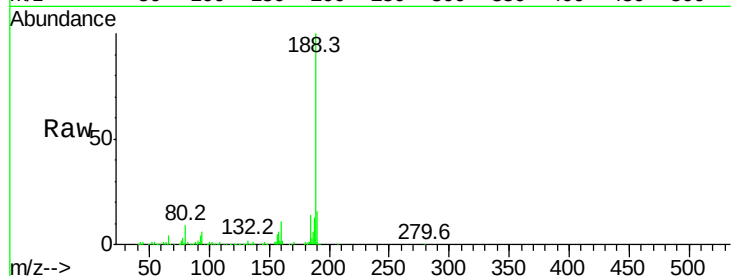
Tot Ion:188 Resp: 258021

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

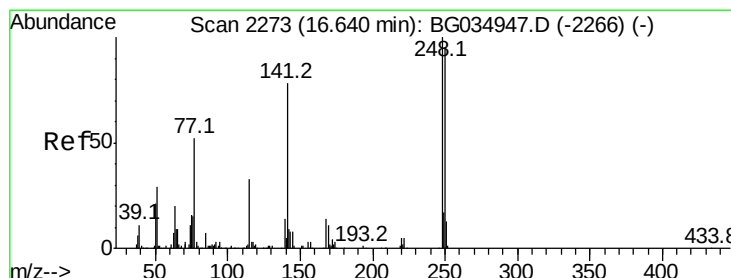
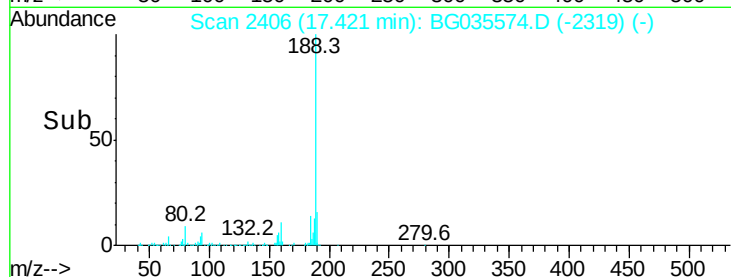
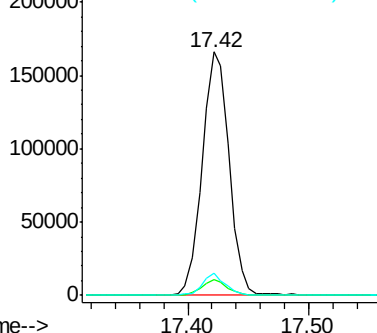
80 8.9 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#66

4-Bromophenyl-phenylether

Concen: 5.665 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.47 min

Lab File: BG035574.D

Acq: 3 Jul 2018 6:42

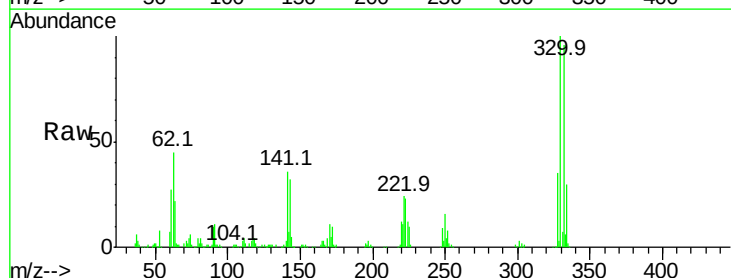
Tgt Ion:248 Resp: 17603

Ion Ratio Lower Upper

248 100

250 177.3 77.1 115.7#

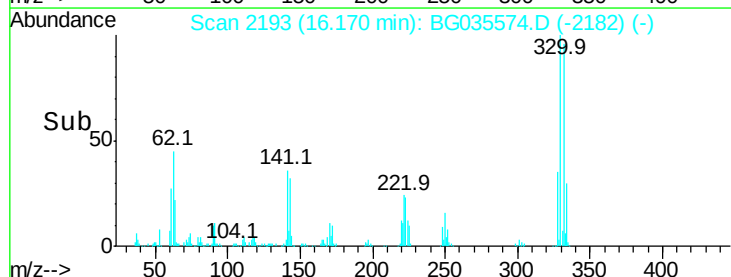
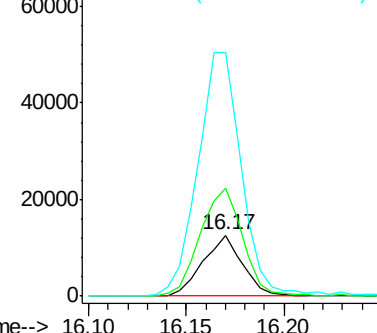
141 401.3 50.8 76.2#

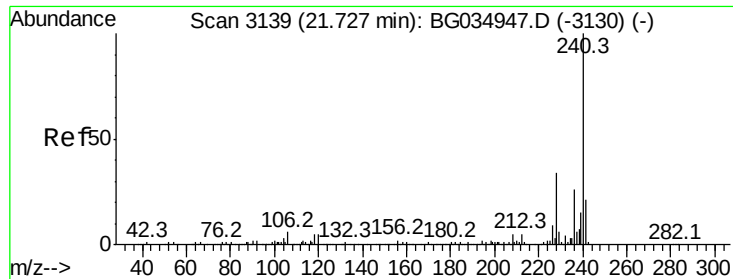


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.03 min

Lab File: BG035574.D

Acq: 3 Jul 2018 6:42

Instrument :

BNA\_G

ClientSampleId :

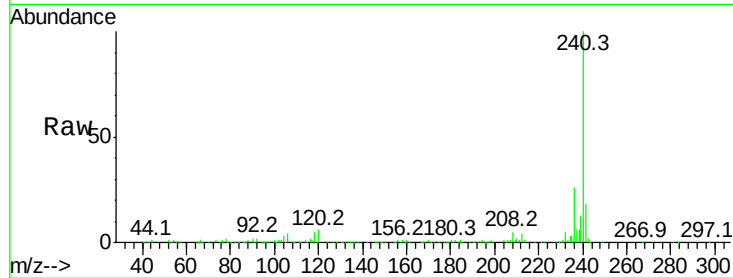
Tot Ion:240 Resp: 289916

Ion Ratio Lower Upper

240 100

120 5.5 6.8 10.2#

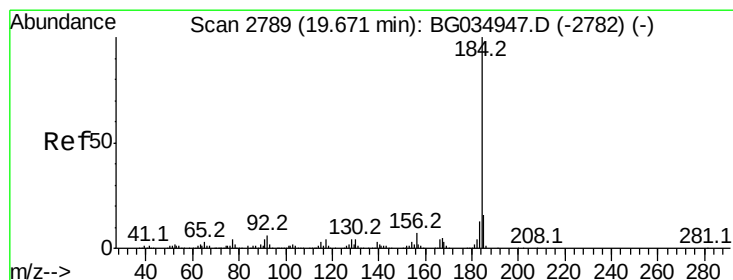
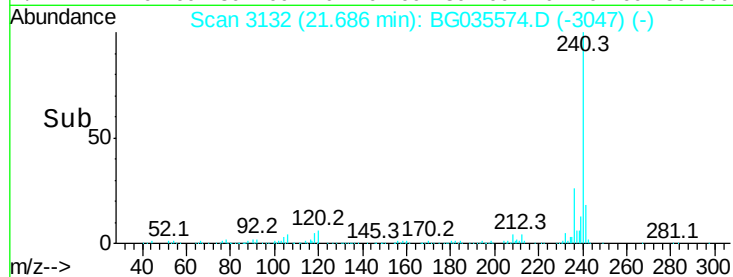
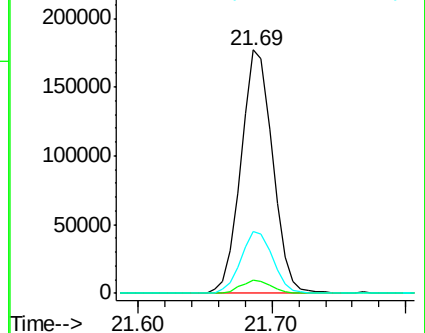
236 25.5 20.9 31.3



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: 2.079 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.36 min

Lab File: BG035574.D

Acq: 3 Jul 2018 6:42

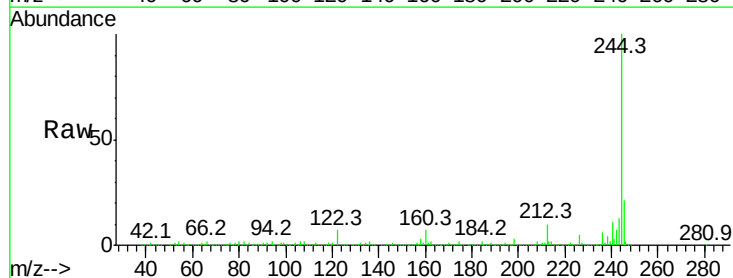
Tgt Ion:184 Resp: 22421

Ion Ratio Lower Upper

184 100

185 17.5 11.1 16.7#

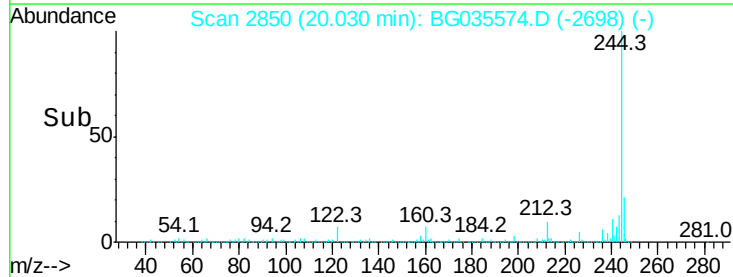
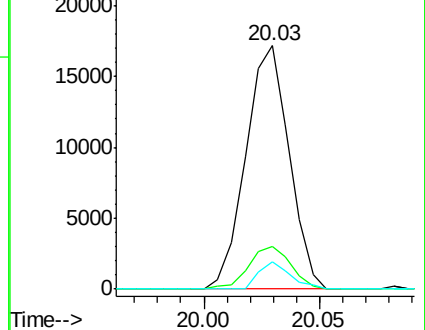
183 11.3 10.6 16.0

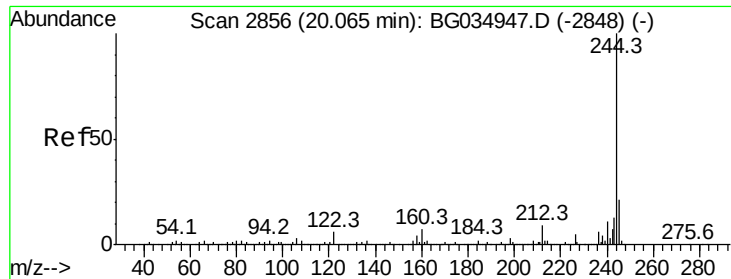


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.560 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035574.D

Acq: 3 Jul 2018 6:42

Instrument :

BNA\_G

ClientSampleId :

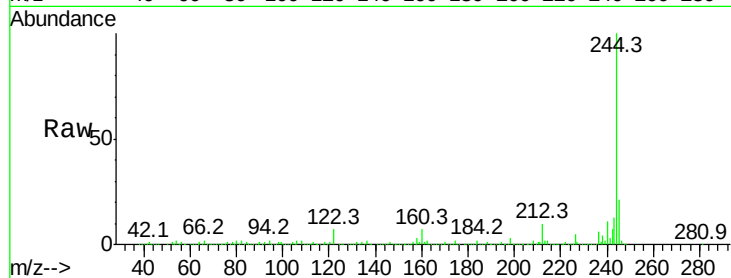
Tot Ion:244 Resp: 1308769

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

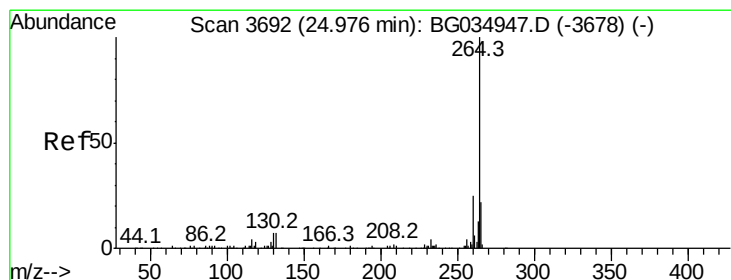
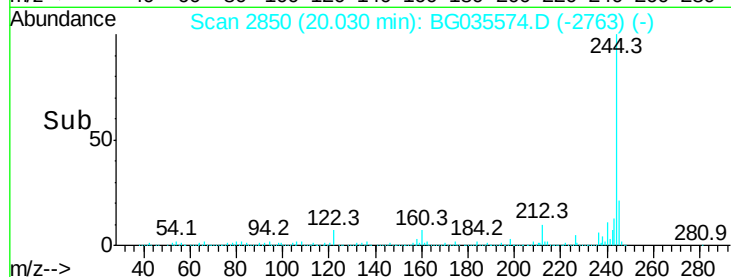
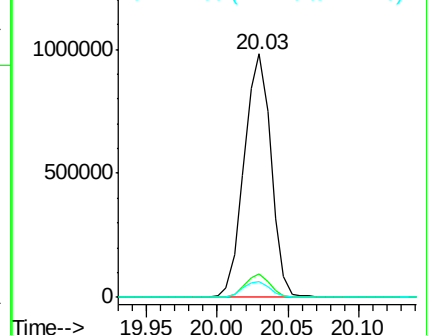
122 6.7 7.0 10.4#



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: 24.91 min Scan# 3681

Delta R.T. -0.04 min

Lab File: BG035574.D

Acq: 3 Jul 2018 6:42

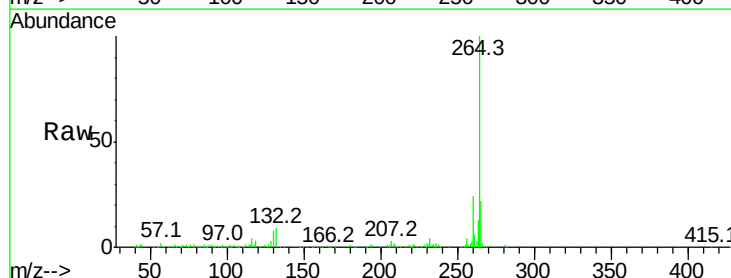
Tgt Ion:264 Resp: 276583

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 21.9 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

