

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\  
 Data File : BG044481.D  
 Acq On : 18 Feb 2020 20:38  
 Operator : CG/JU  
 Sample : L1558-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Feb 19 01:20:17 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 10 16:11:50 2020  
 Response via : Initial Calibration

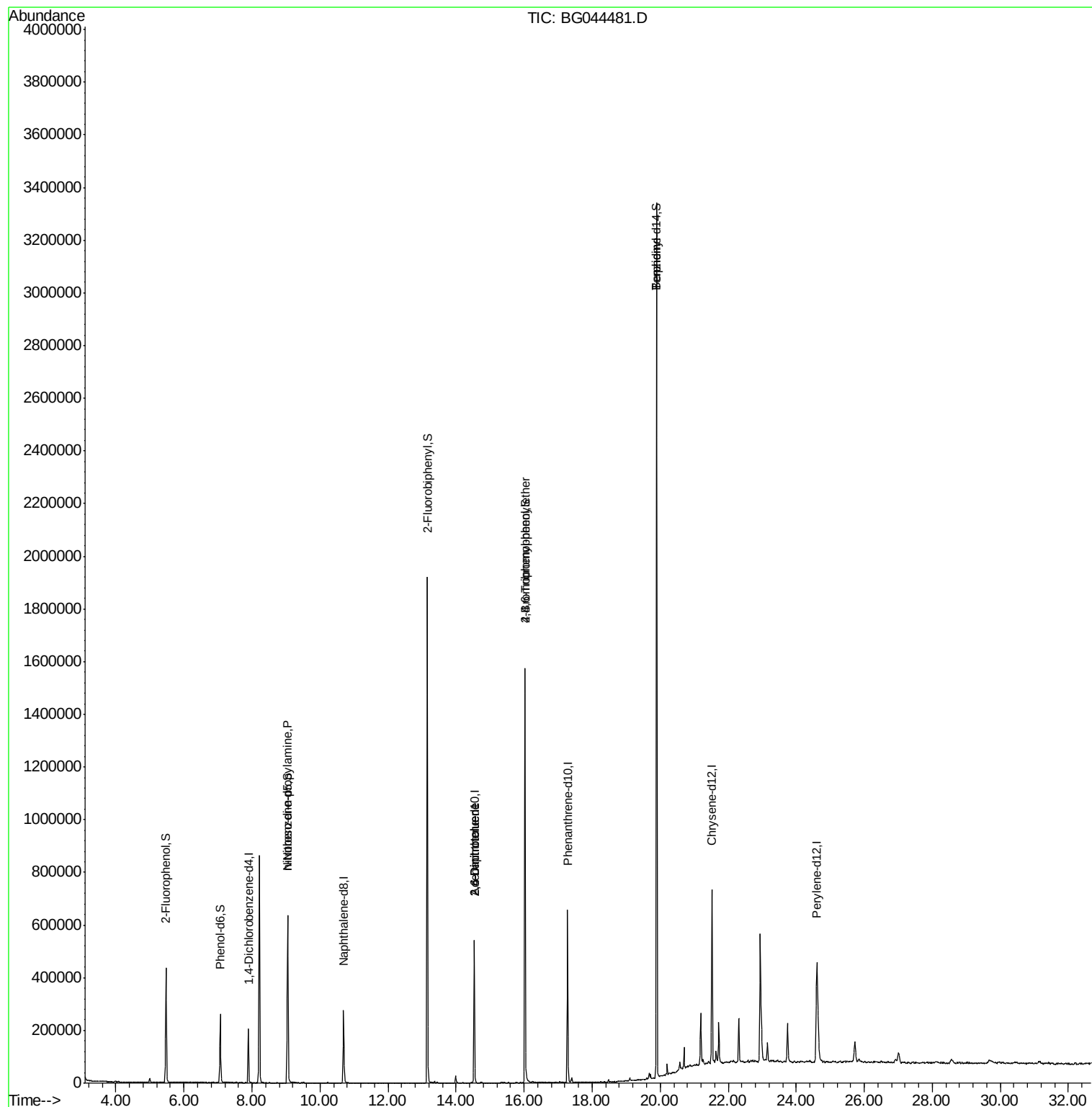
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.89  | 152  | 62252    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 10.69 | 136  | 262695   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 14.53 | 164  | 192458   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 17.28 | 188  | 425486   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 21.52 | 240  | 389985   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 24.60 | 264  | 422535   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.47  | 112  | 227244   | 64.42  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.07  | 99   | 177817   | 37.54  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.05  | 82   | 425822   | 91.51  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 16.03 | 330  | 325433   | 144.04 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.15 | 172  | 1045402  | 90.96  | ng    | -0.01    |
| 79) Terphenyl-d14              | 19.90 | 244  | 1622524  | 85.58  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.05  | 70   | 54494    | 17.263 | ng    | # 74     |
| 51) 2,6-Dinitrotoluene         | 14.53 | 165  | 25376    | 8.227  | ng    | # 30     |
| 57) 2,4-Dinitrotoluene         | 14.53 | 165  | 25376    | 5.870  | ng    | # 28     |
| 67) 4-Bromophenyl-phenylether  | 16.03 | 248  | 22912    | 4.943  | ng    | # 1      |
| 77) Benzidine                  | 19.90 | 184  | 27168    | 2.512  | ng    | # 92     |

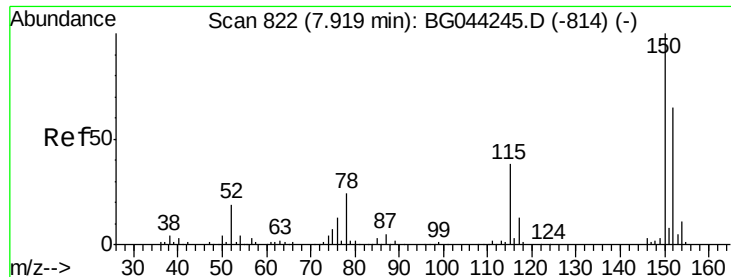
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\  
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BNA\_G  
ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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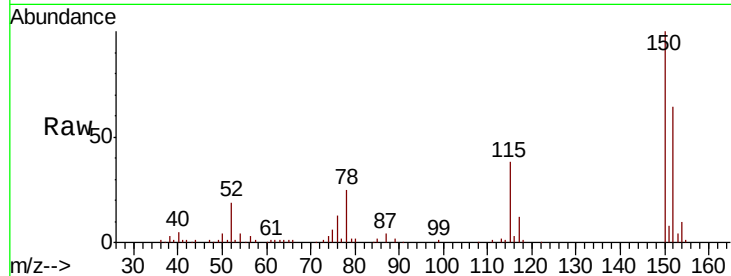


#1

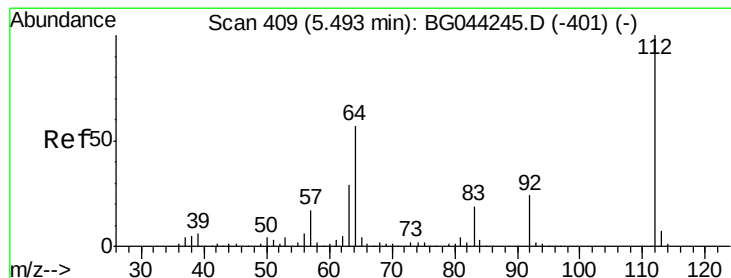
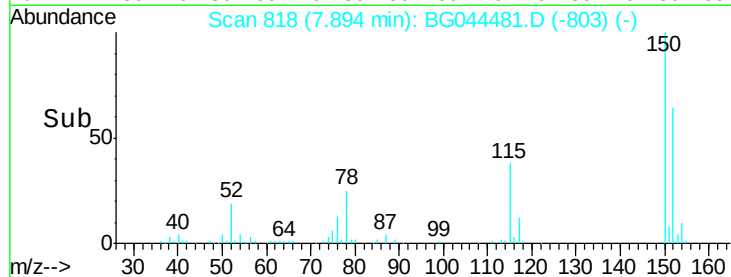
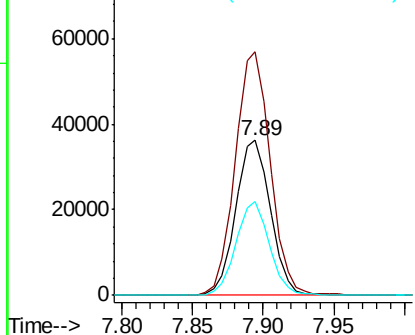
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.89 min Scan# 818  
 Delta R.T. -0.01 min  
 Lab File: BG044481.D  
 Acq: 18 Feb 2020 20:38

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.1 | 122.6 | 183.8 |
| 115     | 60.2  | 46.0  | 69.0  |



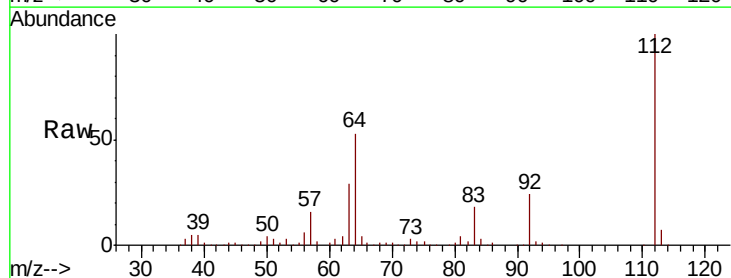
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



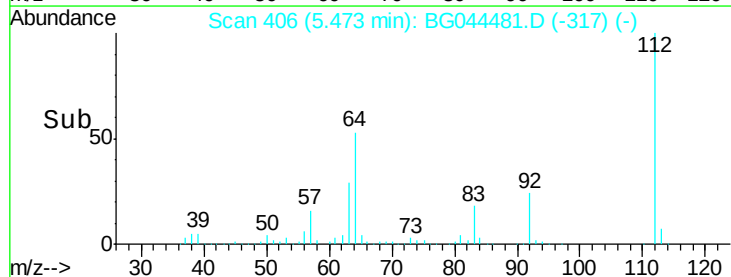
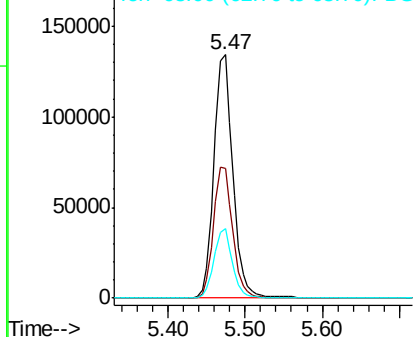
#5

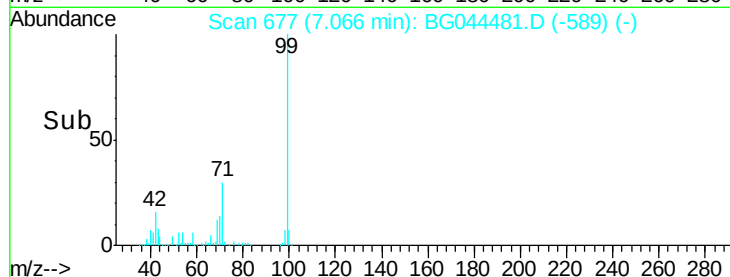
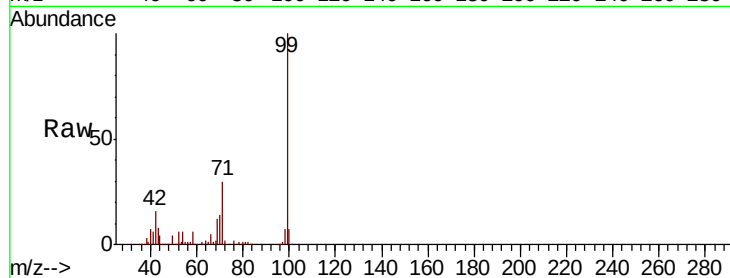
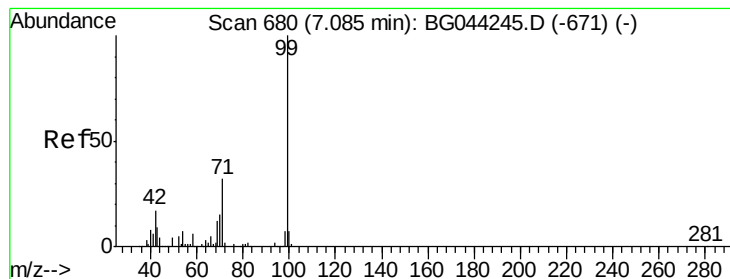
2-Fluorophenol  
 Concen: 64.424 ng  
 RT: 5.47 min Scan# 406  
 Delta R.T. -0.01 min  
 Lab File: BG044481.D  
 Acq: 18 Feb 2020 20:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.2  | 45.4  | 68.2  |
| 63      | 28.6  | 22.9  | 34.3  |



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BG0  
 Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 37.540 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044481.D

Acq: 18 Feb 2020 20:38

Instrument :

BNA\_G

ClientSampled :

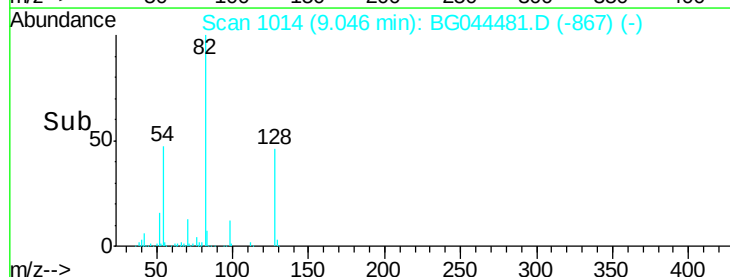
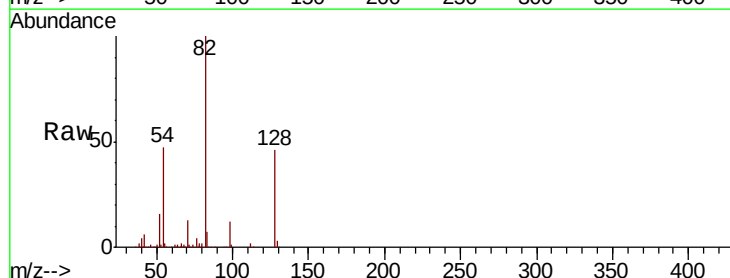
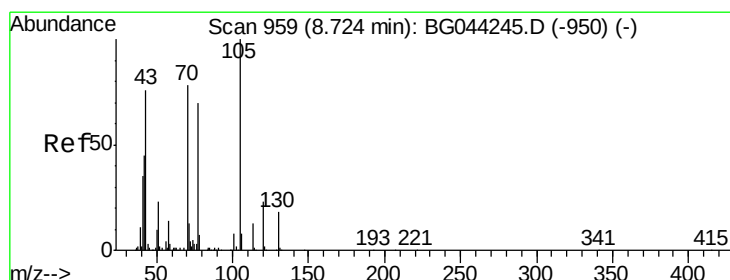
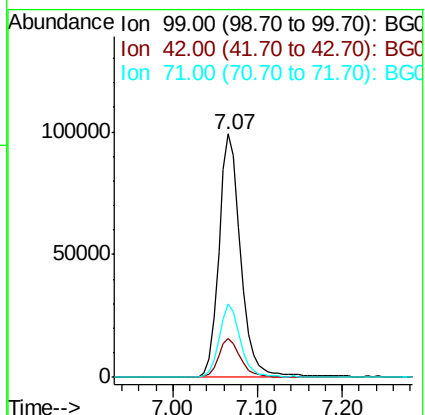
Tot Ion: 99 Resp: 177817

Ion Ratio Lower Upper

99 100

42 15.9 13.8 20.6

71 30.2 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.263 ng

RT: 9.05 min Scan# 1014

Delta R.T. 0.34 min

Lab File: BG044481.D

Acq: 18 Feb 2020 20:38

Tgt Ion: 70 Resp: 54494

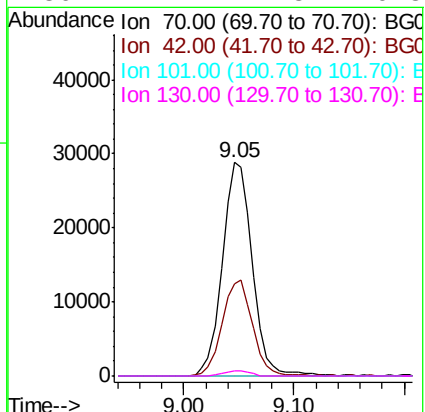
Ion Ratio Lower Upper

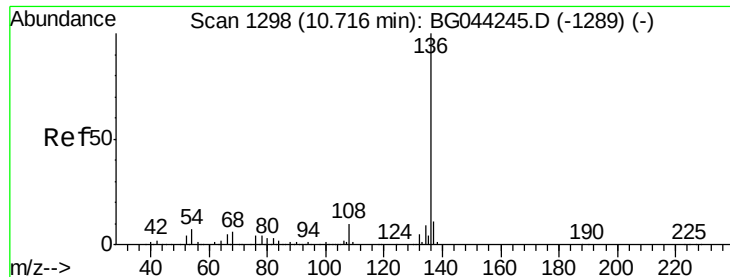
70 100

42 43.3 46.2 69.2#

101 0.0 8.4 12.6#

130 2.7 17.8 26.8#

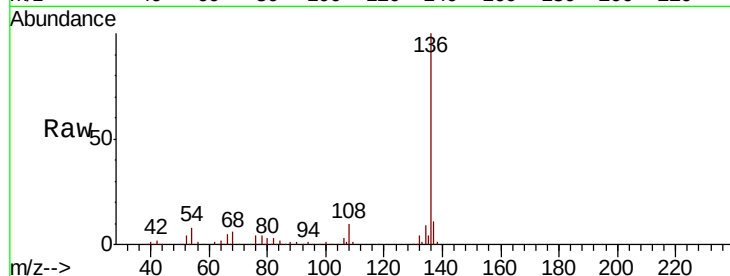




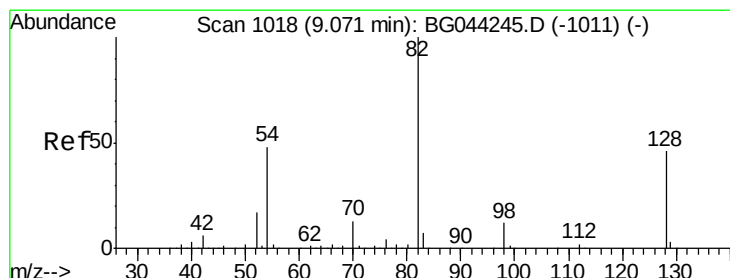
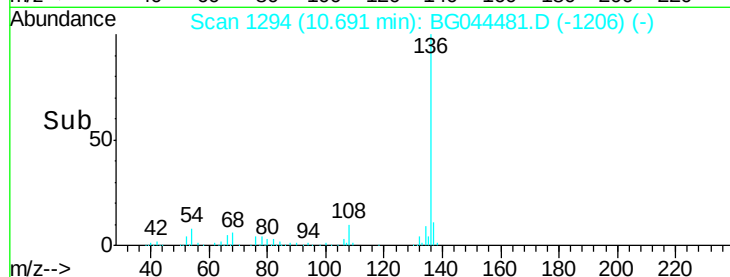
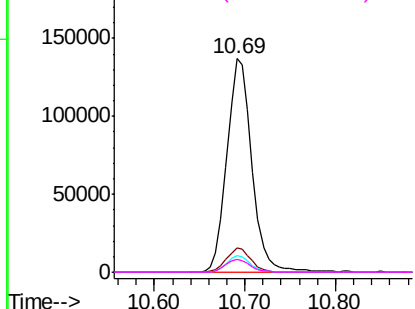
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.69 min Scan# 1294  
Delta R.T. -0.01 min  
Lab File: BG044481.D  
Acq: 18 Feb 2020 20:38

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 262695      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.3  | 8.8 13.2    |
| 54          | 7.8   | 5.8 8.8     |
| 68          | 6.0   | 4.6 6.8     |

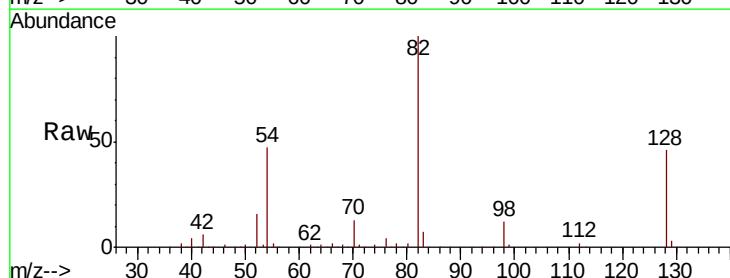


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

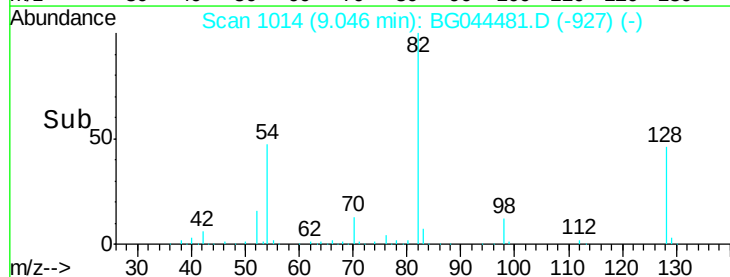
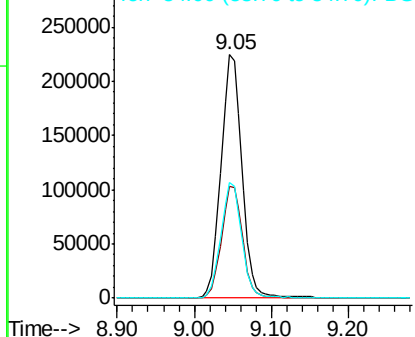


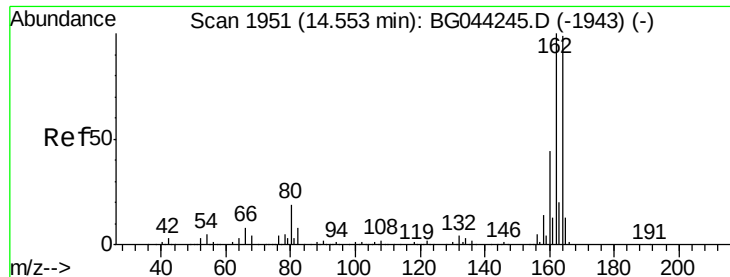
#23  
Nitrobenzene-d5  
Concen: 91.514 ng  
RT: 9.05 min Scan# 1014  
Delta R.T. -0.02 min  
Lab File: BG044481.D  
Acq: 18 Feb 2020 20:38

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 425822      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 45.8  | 36.5 54.7   |
| 54          | 47.3  | 38.6 58.0   |



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.53 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG044481.D

Acq: 18 Feb 2020 20:38

Instrument :

BNA\_G

ClientSampleId :

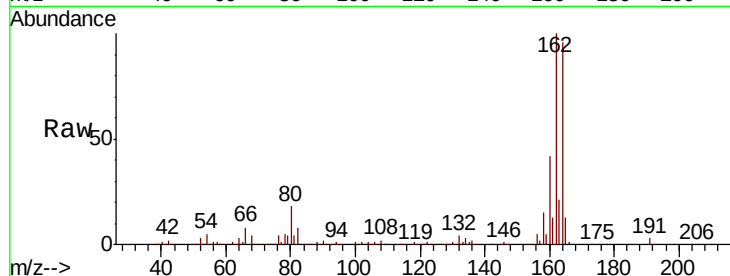
Tot Ion:164 Resp: 192458

Ion Ratio Lower Upper

164 100

162 104.2 80.7 121.1

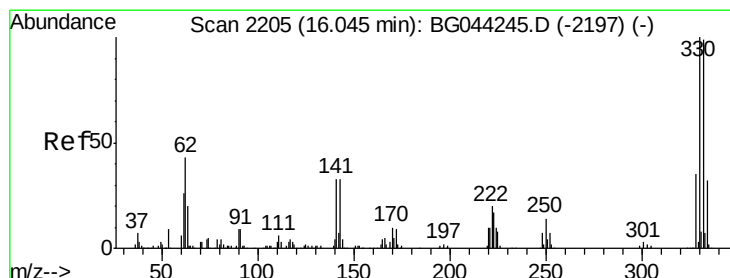
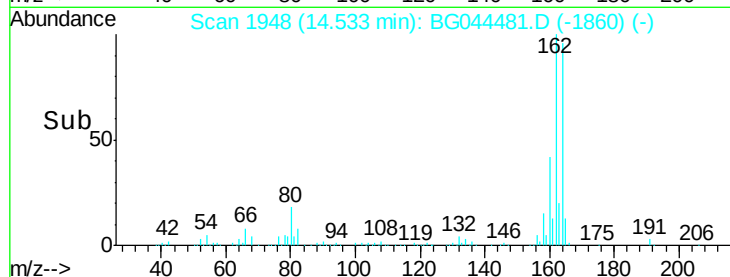
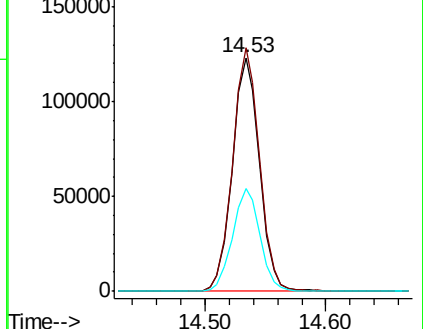
160 44.2 35.3 52.9



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



#42

2,4,6-Tribromophenol

Concen: 144.039 ng

RT: 16.03 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BG044481.D

Acq: 18 Feb 2020 20:38

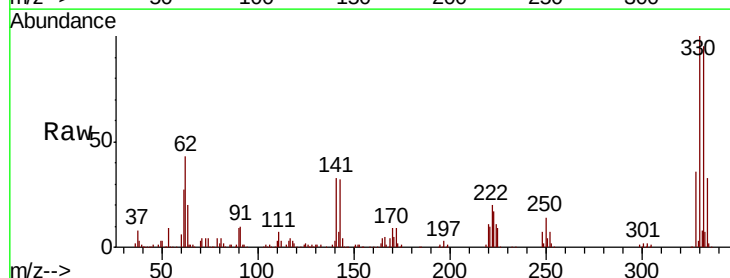
Tgt Ion:330 Resp: 325433

Ion Ratio Lower Upper

330 100

332 96.5 77.2 115.8

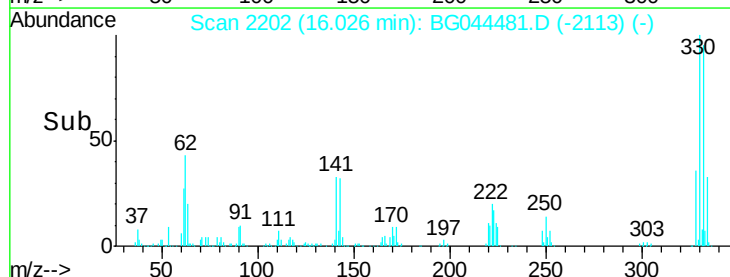
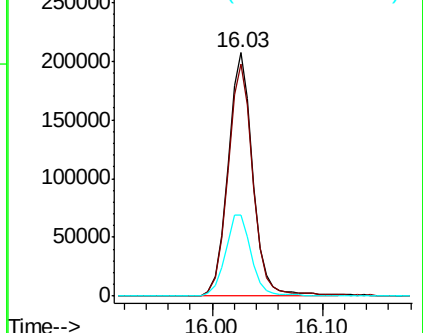
141 35.3 28.3 42.5

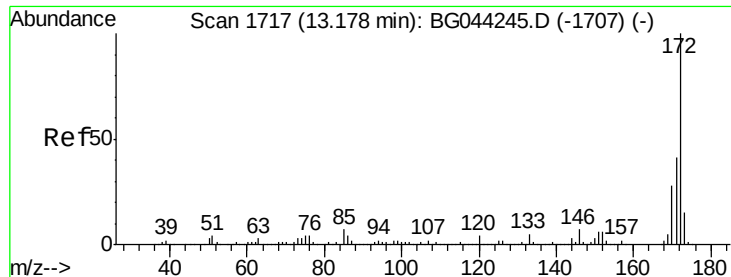


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

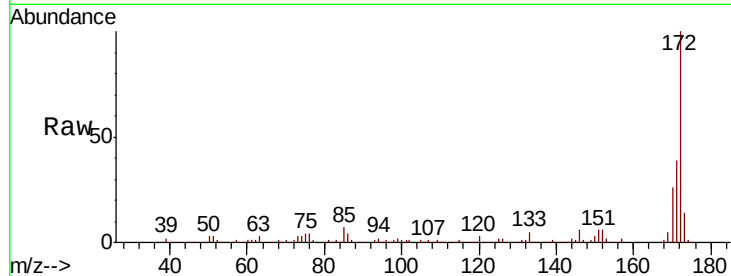




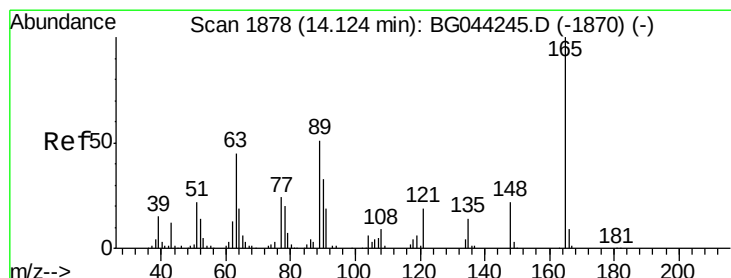
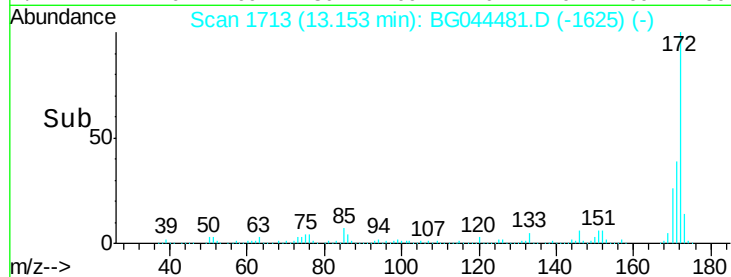
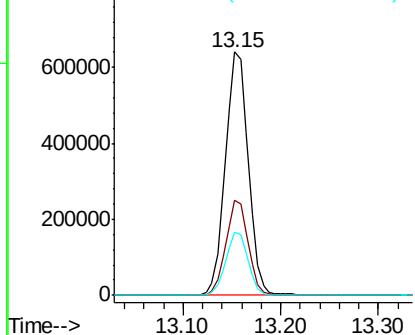
#45  
2-Fluorobiphenyl  
Concen: 90.959 ng  
RT: 13.15 min Scan# 1713  
Delta R.T. -0.01 min  
Lab File: BG044481.D  
Acq: 18 Feb 2020 20:38

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:172 Resp: 1045402  
Ion Ratio Lower Upper  
172 100  
171 39.0 32.9 49.3  
170 25.8 22.0 33.0

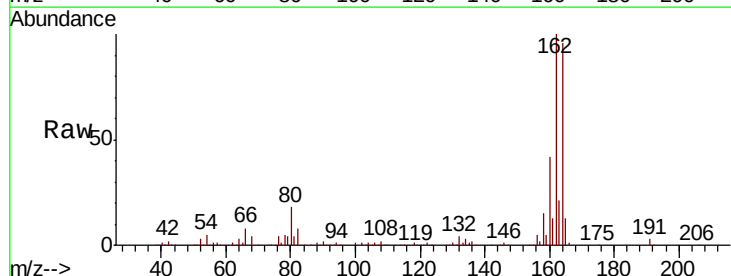


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

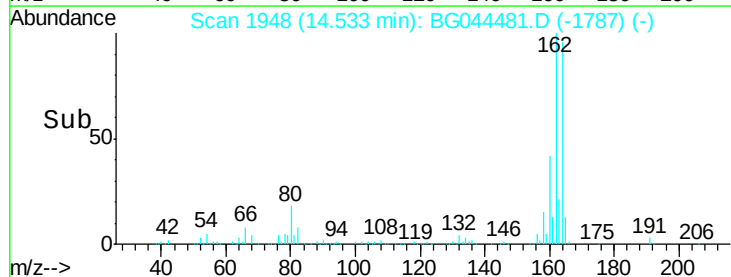
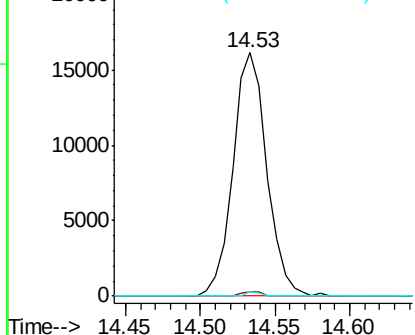


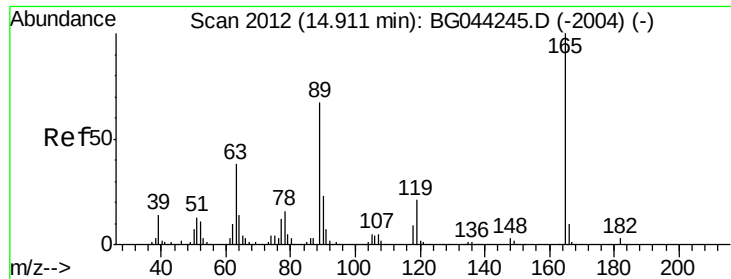
#51  
2,6-Dinitrotoluene  
Concen: 8.227 ng  
RT: 14.53 min Scan# 1948  
Delta R.T. 0.42 min  
Lab File: BG044481.D  
Acq: 18 Feb 2020 20:38

Tgt Ion:165 Resp: 25376  
Ion Ratio Lower Upper  
165 100  
63 1.5 38.7 58.1#  
89 1.7 40.4 60.6#



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

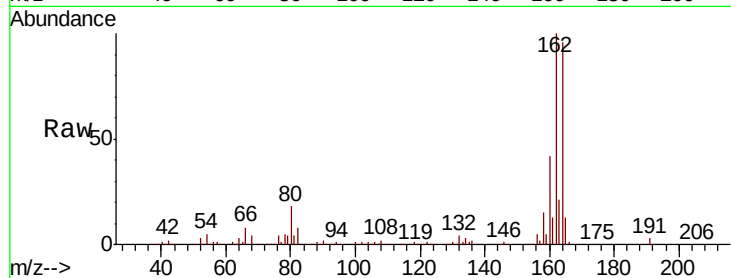




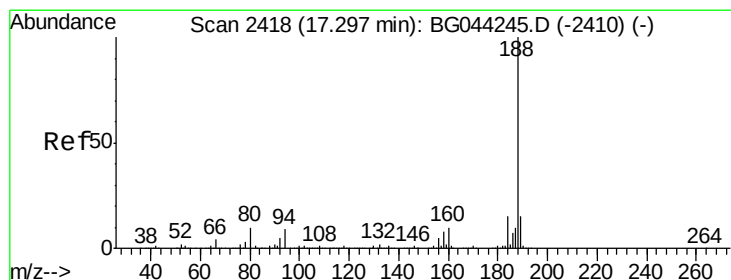
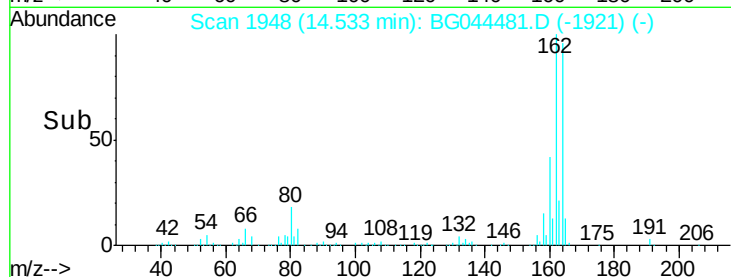
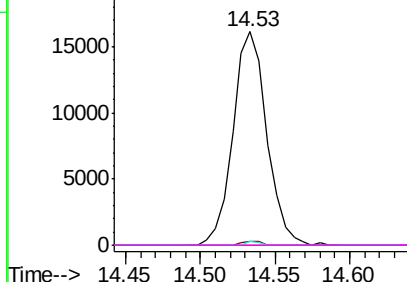
#57  
 2,4-Dinitrotoluene  
 Concen: 5.870 ng  
 RT: 14.53 min Scan# 1948  
 Delta R.T. -0.37 min  
 Lab File: BG044481.D  
 Acq: 18 Feb 2020 20:38

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:165 Resp: 25376  
 Ion Ratio Lower Upper  
 165 100  
 63 1.5 30.3 45.5#  
 89 1.7 53.4 80.2#  
 182 0.0 2.1 3.1#

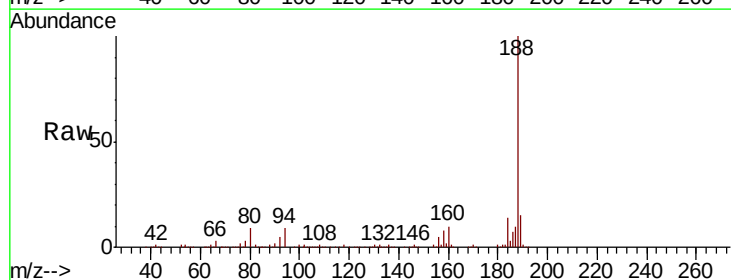


Abundance Ion 165.00 (164.70 to 165.70): E  
 25000  
 20000  
 15000  
 10000  
 5000  
 0

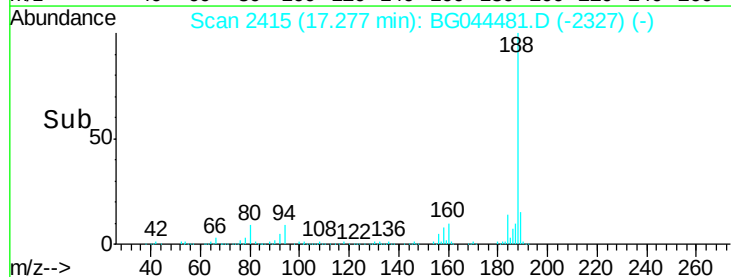
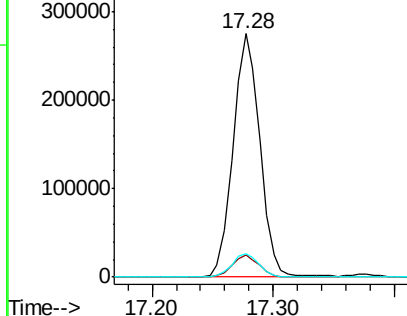


#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.28 min Scan# 2415  
 Delta R.T. -0.01 min  
 Lab File: BG044481.D  
 Acq: 18 Feb 2020 20:38

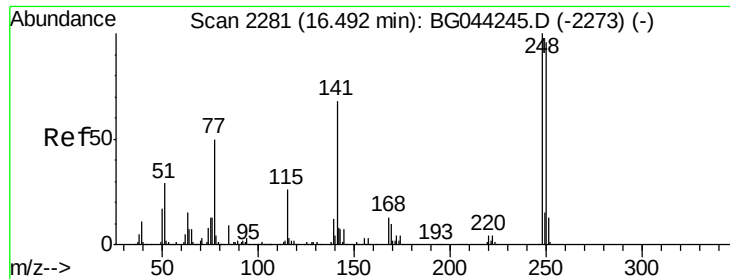
Tgt Ion:188 Resp: 425486  
 Ion Ratio Lower Upper  
 188 100  
 94 9.1 7.4 11.2  
 80 9.5 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E  
 300000  
 200000  
 100000  
 0







#67

4-Bromophenyl-phenylether

Concen: 4.943 ng

RT: 16.03 min Scan# 2202

Delta R.T. -0.45 min

Lab File: BG044481.D

Acq: 18 Feb 2020 20:38

Instrument :

BNA\_G

ClientSampleId :

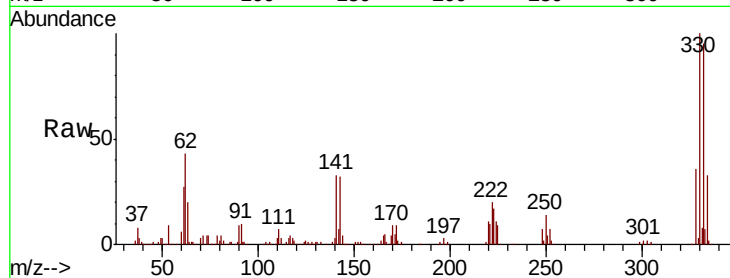
Tot Ion:248 Resp: 22912

Ion Ratio Lower Upper

248 100

250 192.7 76.6 114.8#

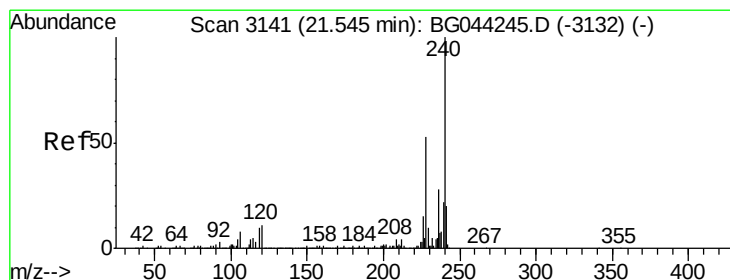
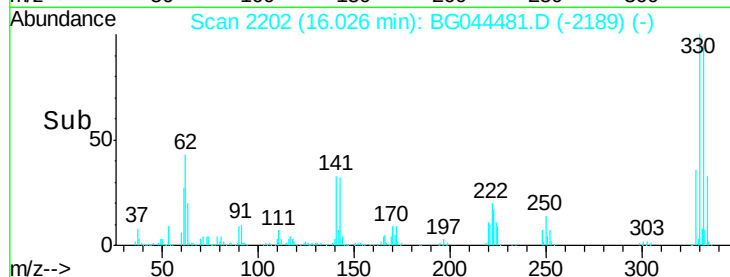
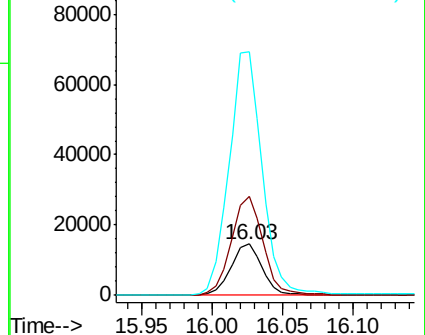
141 474.3 54.7 82.1#



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

Chrysene-d12

Concen: 20.000 ng

RT: 21.52 min Scan# 3137

Delta R.T. -0.02 min

Lab File: BG044481.D

Acq: 18 Feb 2020 20:38

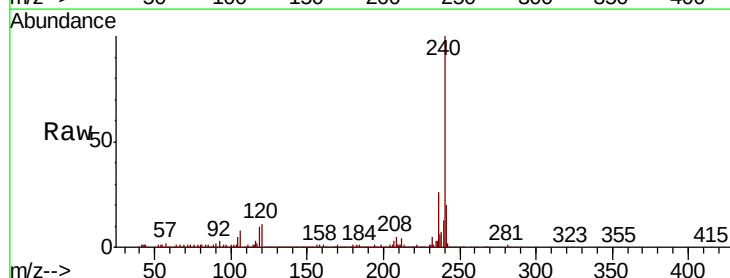
Tgt Ion:240 Resp: 389985

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

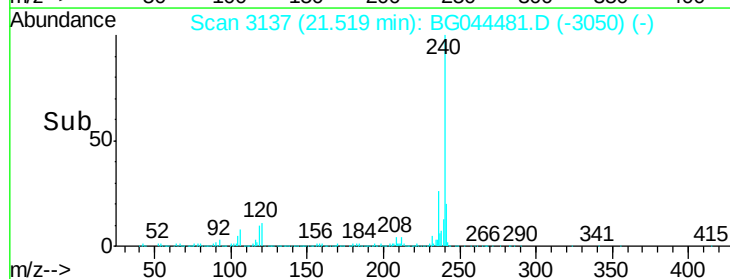
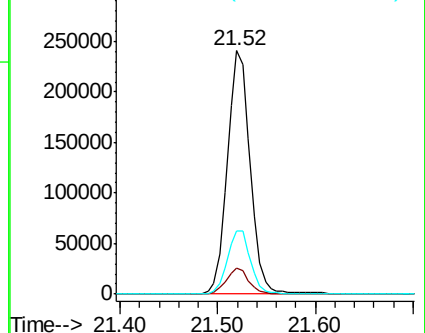
236 26.1 22.1 33.1

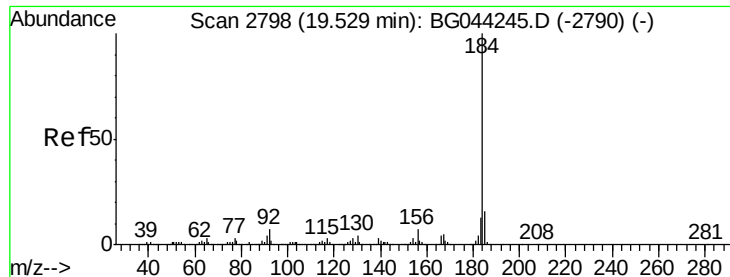


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.512 ng

RT: 19.90 min Scan# 2861

Delta R.T. 0.38 min

Lab File: BG044481.D

Acq: 18 Feb 2020 20:38

Instrument :

BNA\_G

ClientSampled :

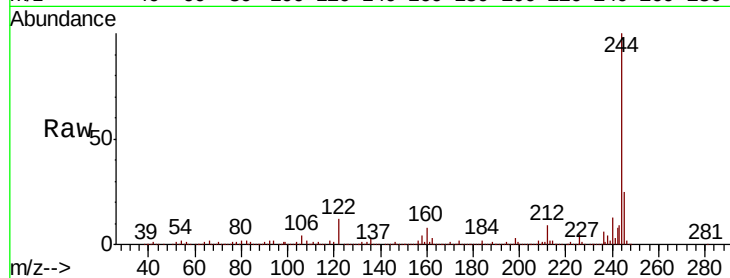
Tot Ion:184 Resp: 27168

Ion Ratio Lower Upper

184 100

185 16.6 12.9 19.3

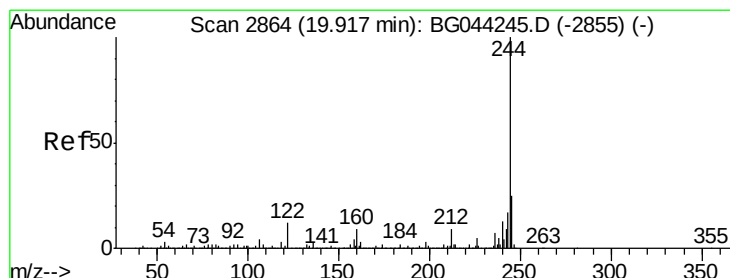
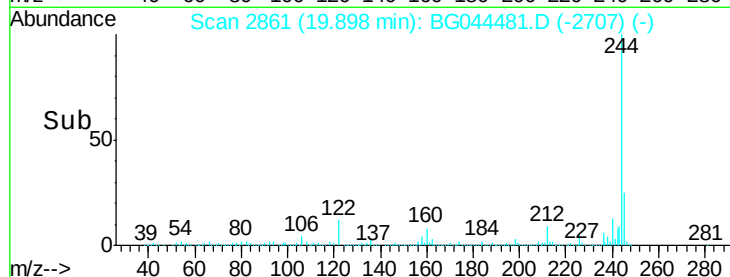
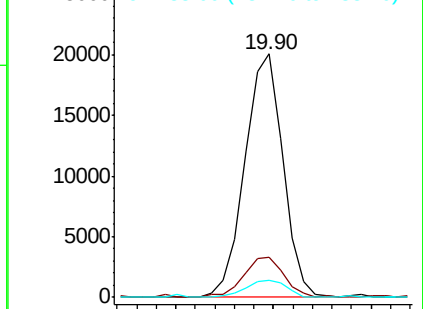
183 7.0 10.8 16.2#



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



#79

Terphenyl-d14

Concen: 85.576 ng

RT: 19.90 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG044481.D

Acq: 18 Feb 2020 20:38

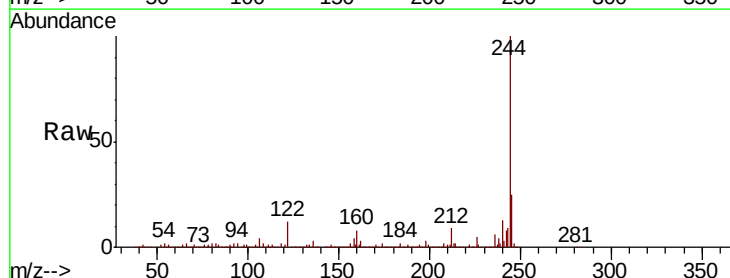
Tgt Ion:244 Resp: 1622524

Ion Ratio Lower Upper

244 100

212 9.0 7.4 11.2

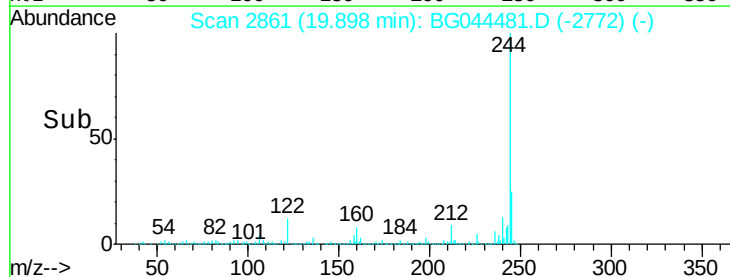
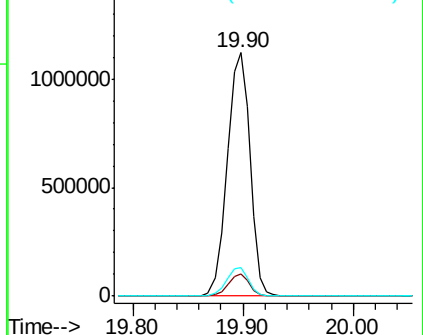
122 11.7 9.8 14.6

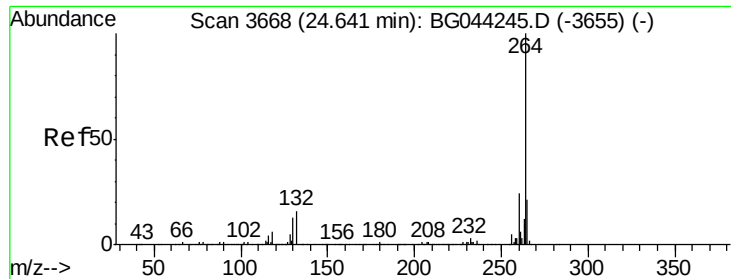


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.60 min Scan# 3662  
Delta R.T. -0.02 min  
Lab File: BG044481.D  
Acq: 18 Feb 2020 20:38

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 422535 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.5  | 19.4  | 29.2   |
| 265      | 22.4  | 16.7  | 25.1   |

