

Data Path : U:\HPCHEM1\BNA G\DATA\BG011618\  
 Data File : BG032085.D  
 Acq On : 17 Jan 2018 00:53  
 Operator : SJ/JU  
 Sample : J1122-02  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 17 02:33:26 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 15 10:05:15 2018  
 Response via : Initial Calibration

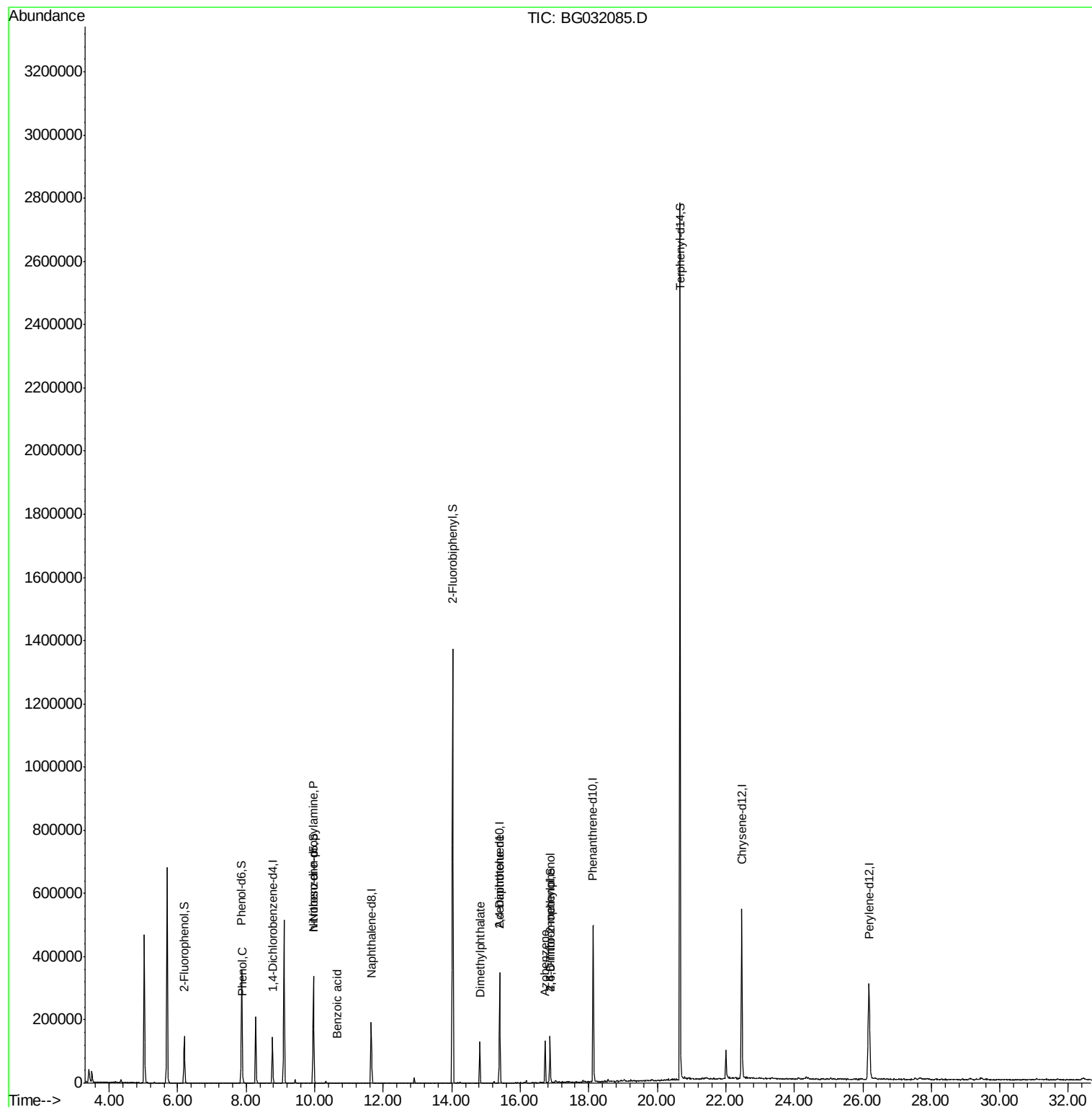
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.77  | 152  | 48472    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 11.65 | 136  | 192670   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 15.40 | 164  | 135589   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 18.13 | 188  | 351445   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 22.46 | 240  | 429825   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 26.18 | 264  | 439608   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.19  | 112  | 76585    | 28.90  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.87  | 99   | 223976   | 67.10  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.97  | 82   | 223603   | 78.52  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.87 | 330  | 32590    | 14.53  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 14.03 | 172  | 807419   | 73.84  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.66 | 244  | 1544304  | 79.33  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.89  | 94   | 8177     | 2.487  | ng    | 92       |
| 19) n-Nitroso-di-n-propylamine | 9.96  | 70   | 29598    | 14.292 | ng    | # 78     |
| 32) Benzoic acid               | 10.65 | 122  | 57       | 5.280  | ng    | # 1      |
| 49) Dimethylphthalate          | 14.82 | 163  | 99933    | 8.422  | ng    | 97       |
| 56) 2,4-Dinitrotoluene         | 15.39 | 165  | 17681    | 5.332  | ng    | # 17     |
| 62) Azobenzene                 | 16.72 | 77   | 34670    | 4.816  | ng    | # 1      |
| 64) 4,6-Dinitro-2-methylphenol | 16.87 | 198  | 53       | 4.906  | ng    | # 1      |

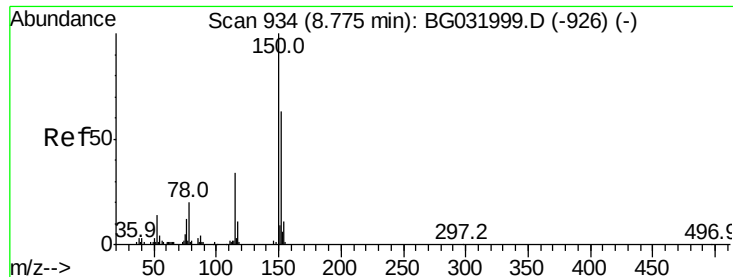
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA G\DATA\BG011618\  
Data File : BG032085.D  
Acq On : 17 Jan 2018 00:53  
Operator : SJ/JU  
Sample : J1122-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Jan 17 02:33:26 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 15 10:05:15 2018  
Response via : Initial Calibration



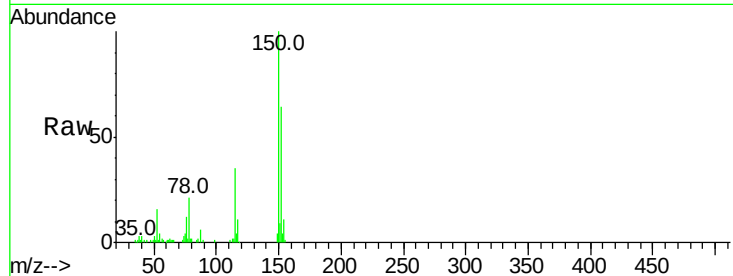


#1

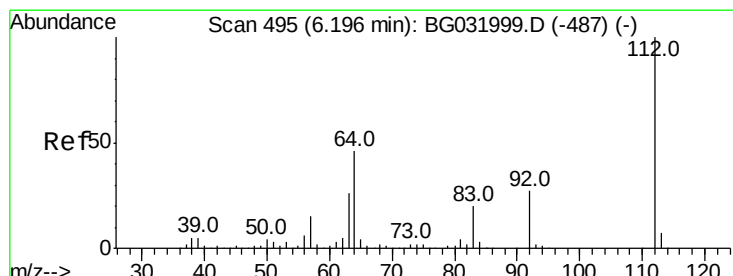
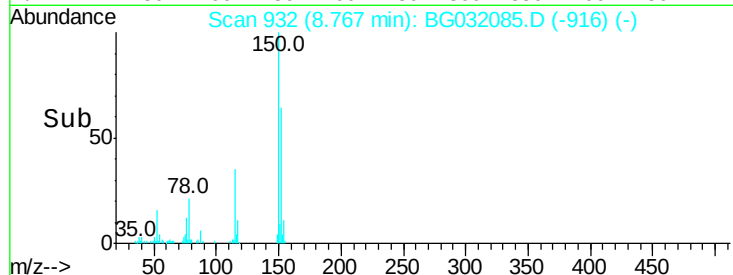
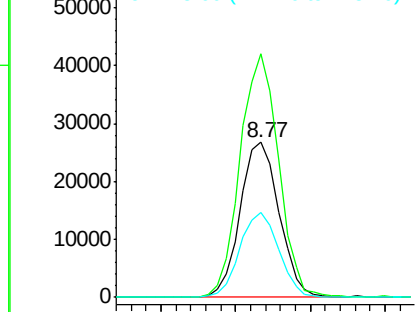
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.77 min Scan# 932  
Delta R.T. -0.01 min  
Lab File: BG032085.D  
Acq: 17 Jan 2018 00:53

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 48472  
Ion Ratio Lower Upper  
152 100  
150 157.2 126.6 189.8  
115 55.2 53.0 79.4



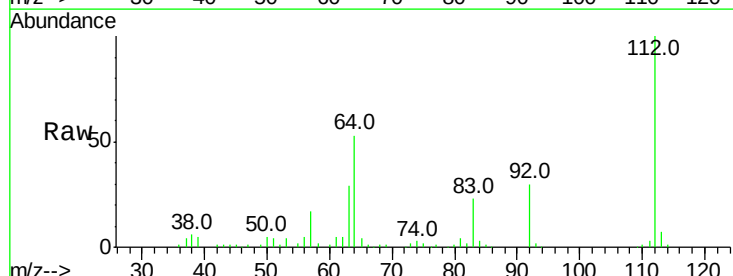
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



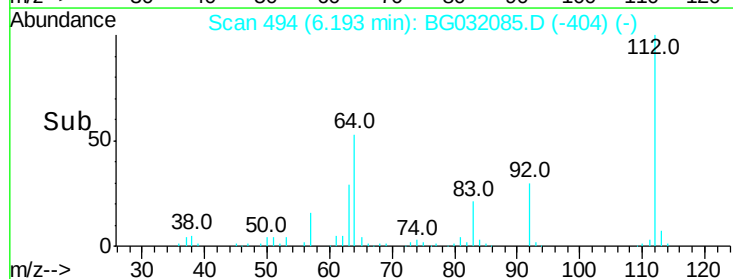
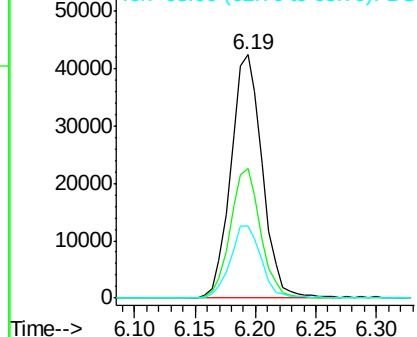
#5

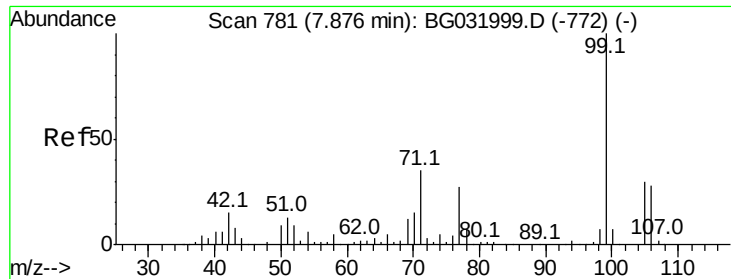
2-Fluorophenol  
Concen: 28.897 ng  
RT: 6.19 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: BG032085.D  
Acq: 17 Jan 2018 00:53

Tgt Ion:112 Resp: 76585  
Ion Ratio Lower Upper  
112 100  
64 53.4 56.3 84.5#  
63 29.4 30.1 45.1#



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: 67.101 ng

RT: 7.87 min Scan# 779

Delta R.T. -0.01 min

Lab File: BG032085.D

Acq: 17 Jan 2018 00:53

Instrument :

BNA\_G

ClientSampleId :

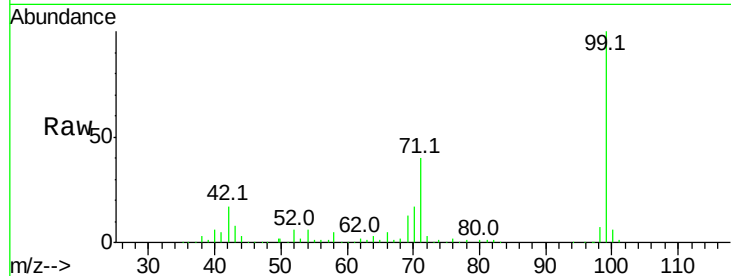
Tot Ion: 99 Resp: 223976

Ion Ratio Lower Upper

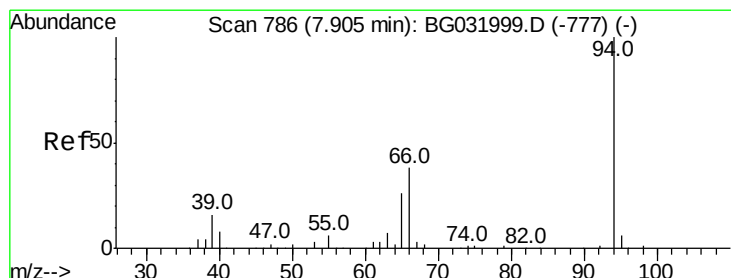
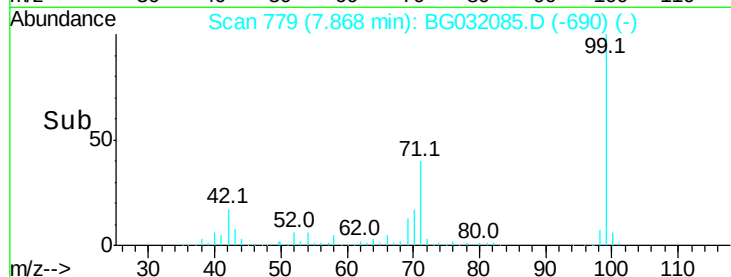
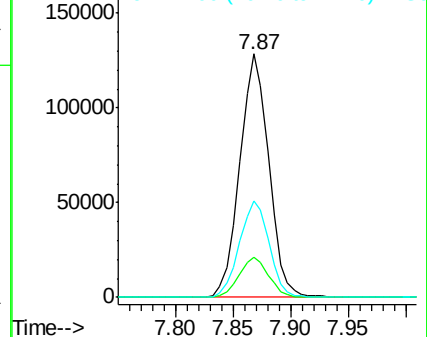
99 100

42 16.7 14.1 21.1

71 39.6 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



#10

Phenol

Concen: 2.487 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.01 min

Lab File: BG032085.D

Acq: 17 Jan 2018 00:53

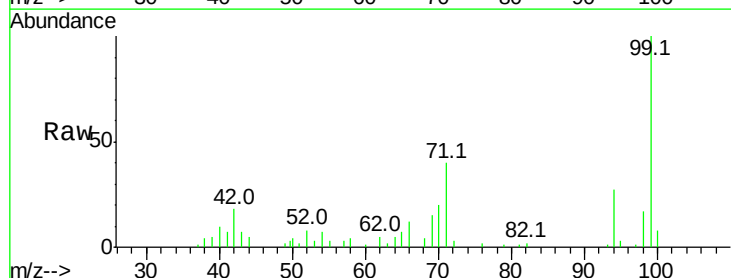
Tgt Ion: 94 Resp: 8177

Ion Ratio Lower Upper

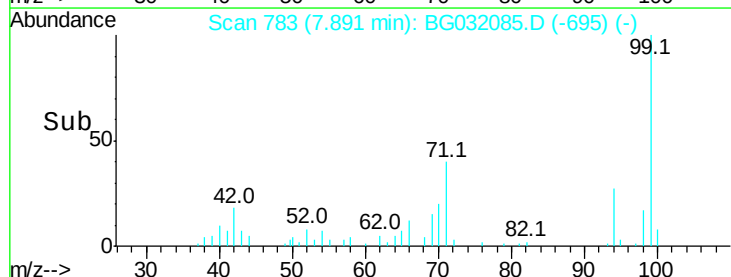
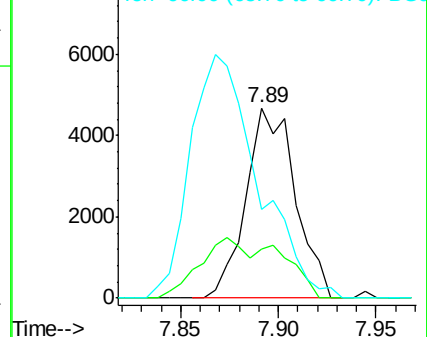
94 100

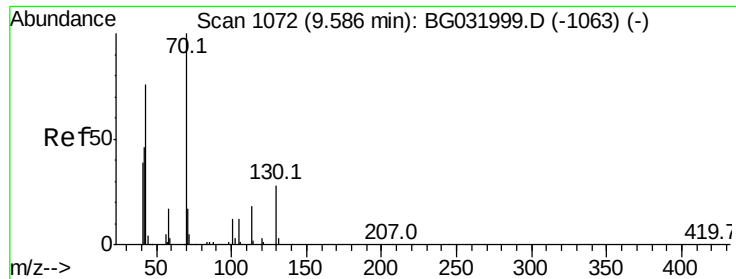
65 25.9 11.9 51.9

66 46.4 22.2 62.2



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

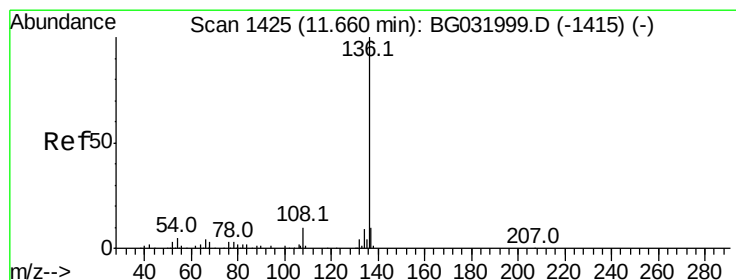
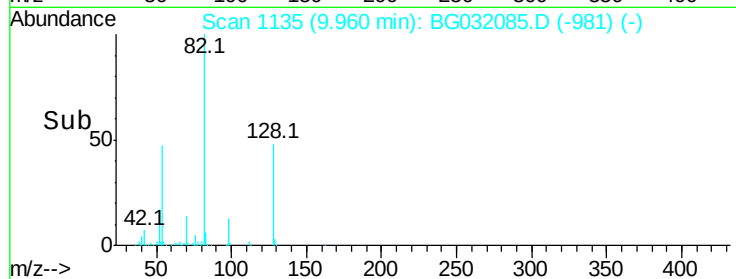
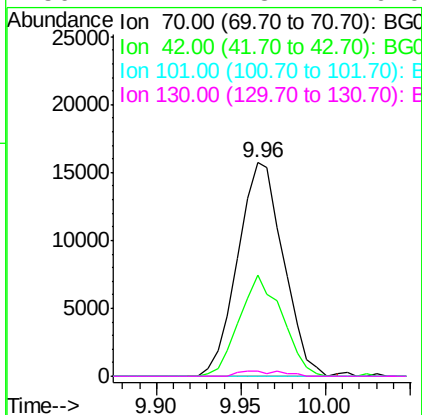
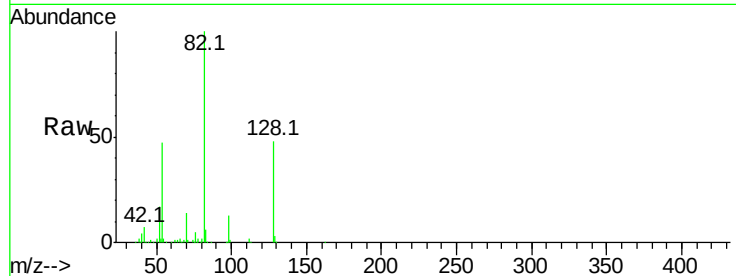




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.292 ng  
RT: 9.96 min Scan# 1135  
Delta R.T. 0.37 min  
Lab File: BG032085.D  
Acq: 17 Jan 2018 00:53

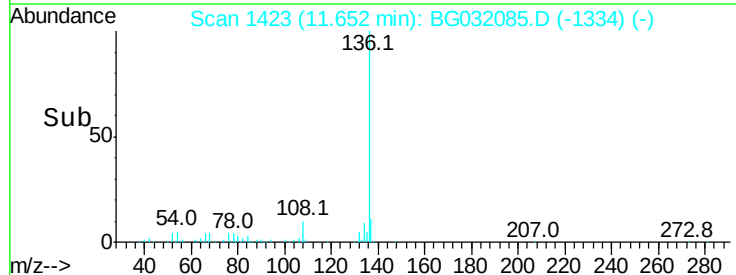
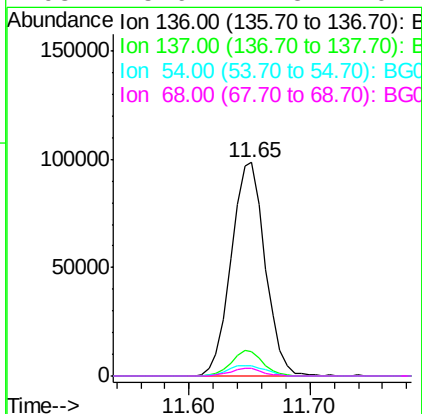
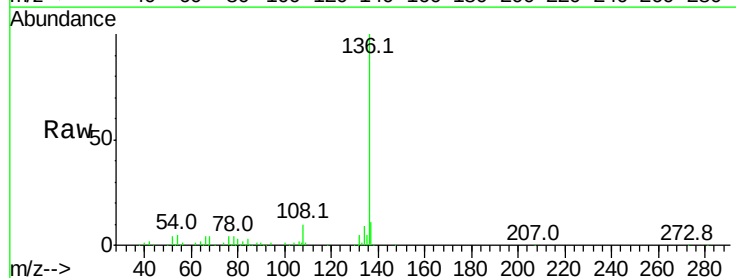
Instrument :  
BNA\_G  
ClientSampled :

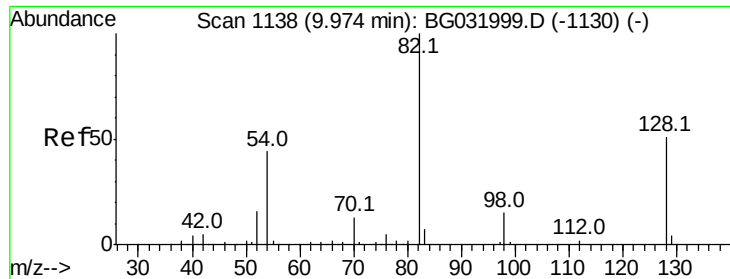
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 47.5  | 49.1  | 73.7# |
| 101     | 0.0   | 8.5   | 12.7# |
| 130     | 2.2   | 13.4  | 20.0# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.65 min Scan# 1423  
Delta R.T. -0.01 min  
Lab File: BG032085.D  
Acq: 17 Jan 2018 00:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.4  | 9.2   | 13.8  |
| 54      | 4.9   | 10.3  | 15.5# |
| 68      | 3.6   | 4.5   | 6.7#  |

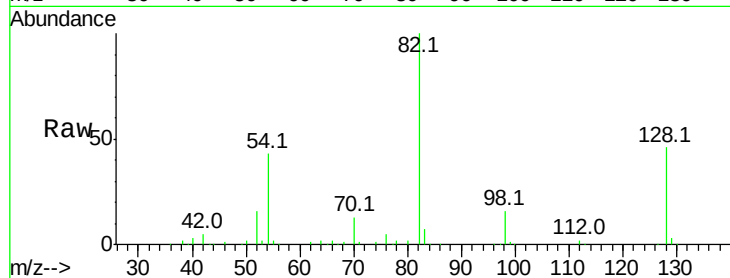




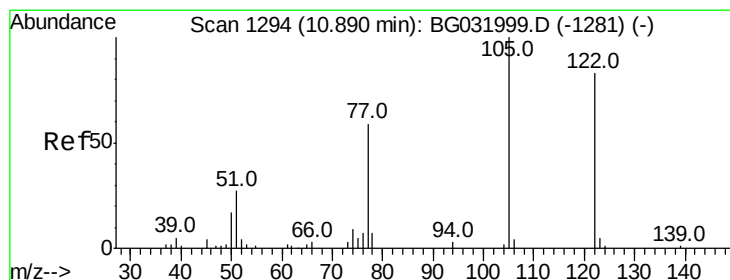
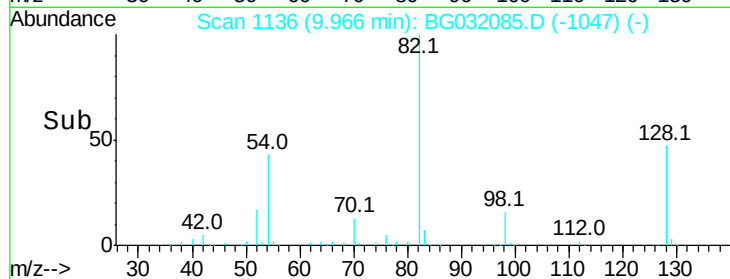
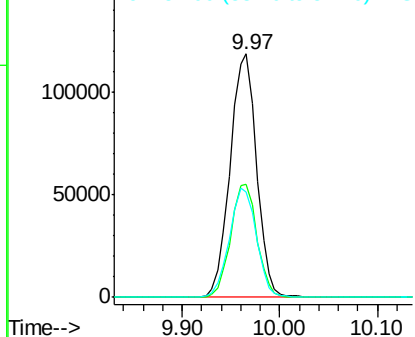
#23  
Nitrobenzene-d5  
Concen: 78.516 ng  
RT: 9.97 min Scan# 1136  
Delta R.T. -0.01 min  
Lab File: BG032085.D  
Acq: 17 Jan 2018 00:53

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 82 Resp: 223603  
Ion Ratio Lower Upper  
82 100  
128 46.2 29.7 44.5#  
54 43.1 43.1 64.7#

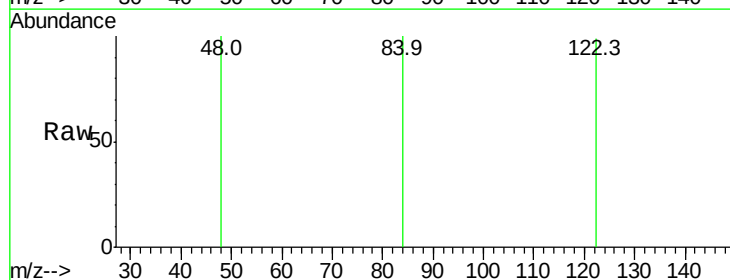


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

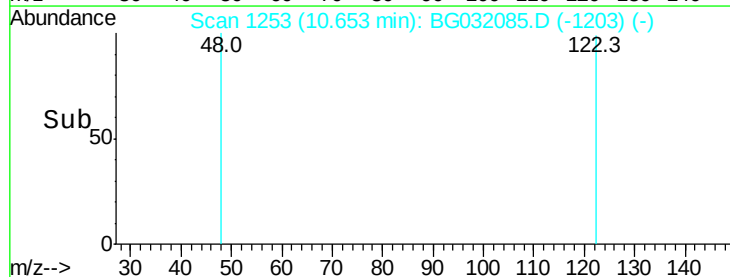
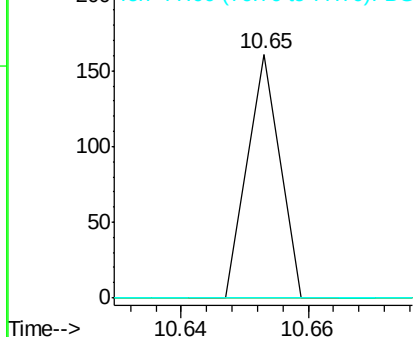


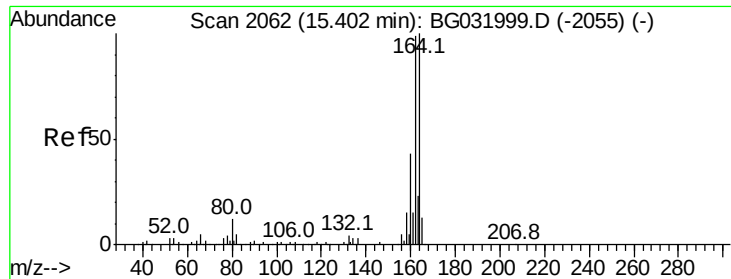
#32  
Benzoic acid  
Concen: 5.280 ng  
RT: 10.65 min Scan# 1253  
Delta R.T. -0.24 min  
Lab File: BG032085.D  
Acq: 17 Jan 2018 00:53

Tgt Ion:122 Resp: 57  
Ion Ratio Lower Upper  
122 100  
105 0.0 123.5 163.5#  
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.40 min Scan# 2061

Delta R.T. -0.00 min

Lab File: BG032085.D

Acq: 17 Jan 2018 00:53

Instrument :

BNA\_G

ClientSampleId :

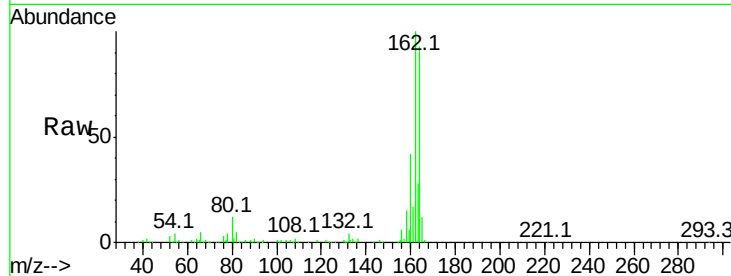
Tot Ion:164 Resp: 135589

Ion Ratio Lower Upper

164 100

162 107.1 78.8 118.2

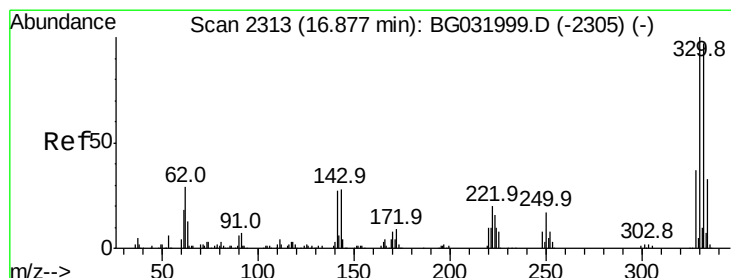
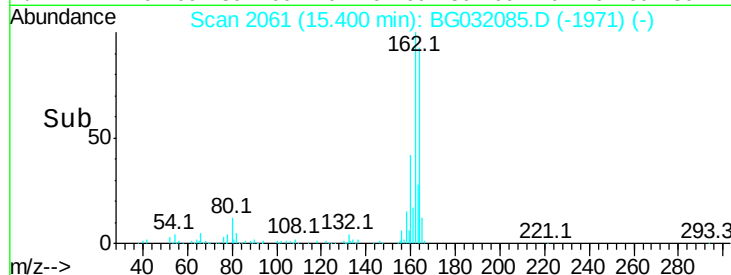
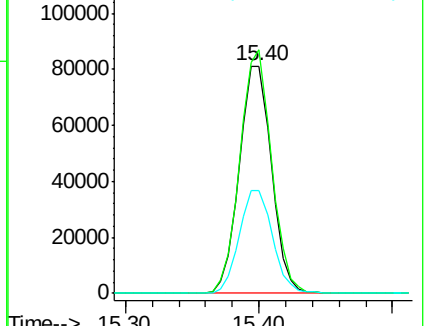
160 45.1 35.4 53.0



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: 14.525 ng

RT: 16.87 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BG032085.D

Acq: 17 Jan 2018 00:53

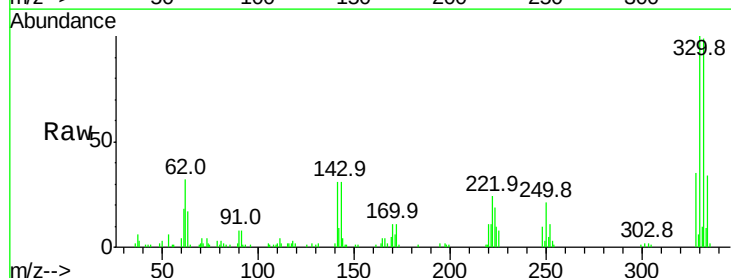
Tgt Ion:330 Resp: 32590

Ion Ratio Lower Upper

330 100

332 101.3 77.0 115.6

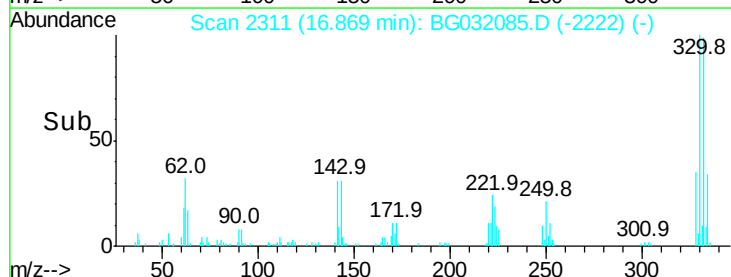
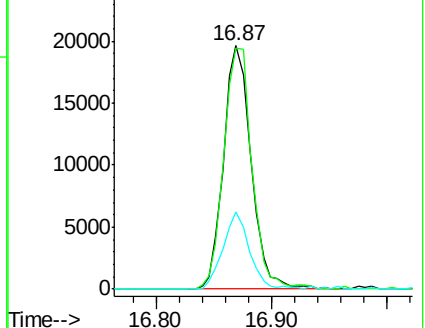
141 30.3 25.2 37.8

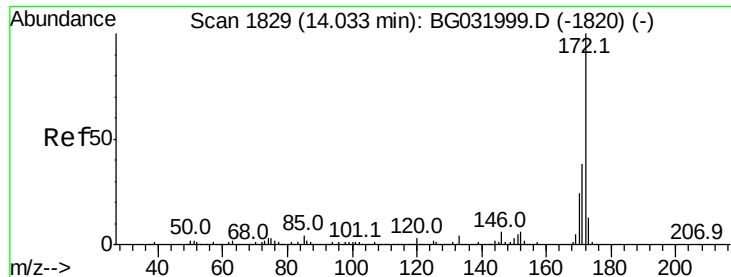


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

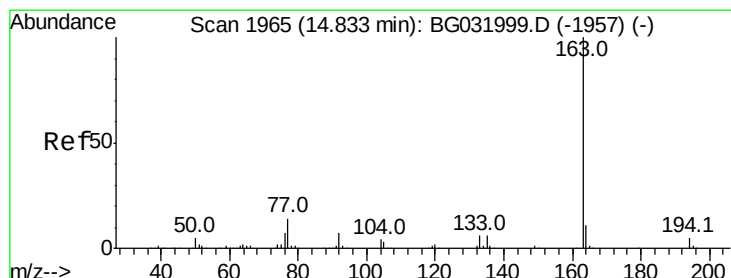
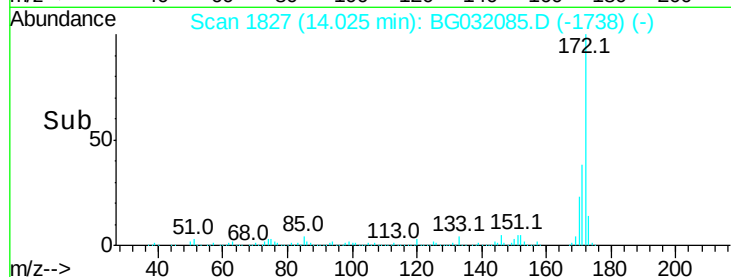
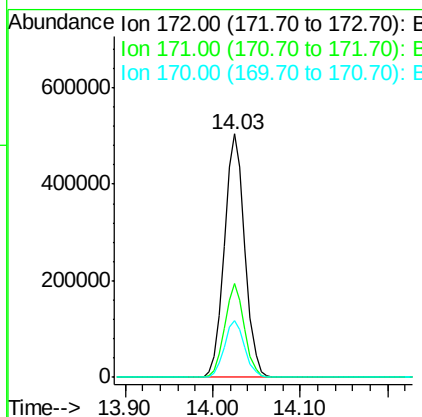
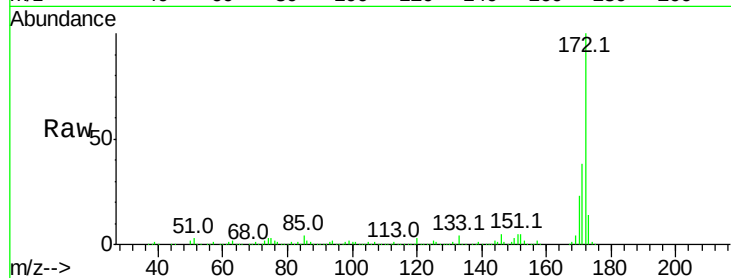




#44  
2-Fluorobiphenyl  
Concen: 73.838 ng  
RT: 14.03 min Scan# 1827  
Delta R.T. -0.01 min  
Lab File: BG032085.D  
Acq: 17 Jan 2018 00:53

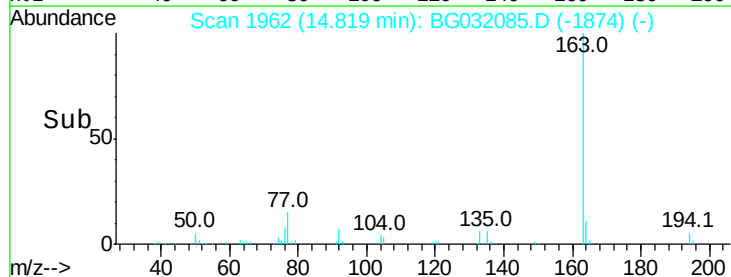
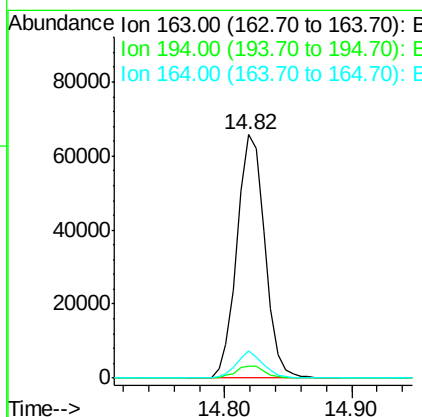
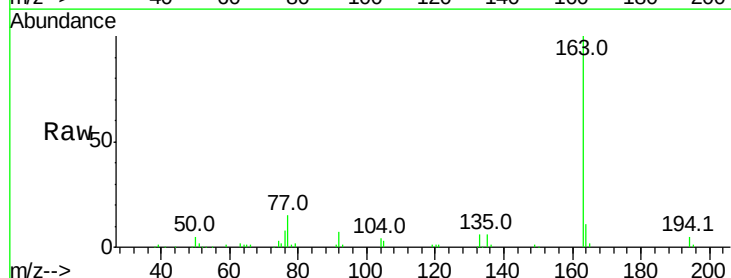
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:172 Resp: 807419  
Ion Ratio Lower Upper  
172 100  
171 38.3 30.0 45.0  
170 23.3 19.5 29.3

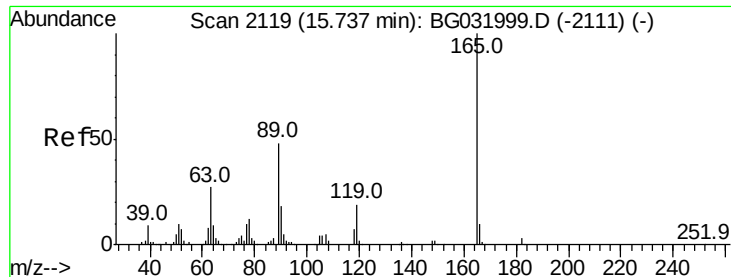


#49  
Dimethylphthalate  
Concen: 8.422 ng  
RT: 14.82 min Scan# 1962  
Delta R.T. -0.01 min  
Lab File: BG032085.D  
Acq: 17 Jan 2018 00:53

Tgt Ion:163 Resp: 99933  
Ion Ratio Lower Upper  
163 100  
194 4.9 3.4 5.2  
164 11.5 8.2 12.4



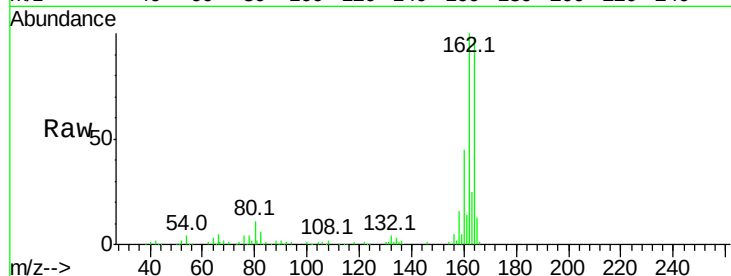




#56  
 2,4-Dinitrotoluene  
 Concen: 5.332 ng  
 RT: 15.39 min Scan# 2060  
 Delta R.T. -0.34 min  
 Lab File: BG032085.D  
 Acq: 17 Jan 2018 00:53

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 0.0   | 42.0  | 63.0#  |
| 89      | 1.8   | 66.9  | 100.3# |
| 182     | 0.0   | 2.6   | 3.8#   |



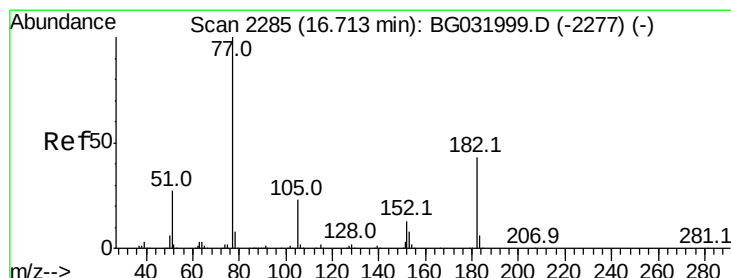
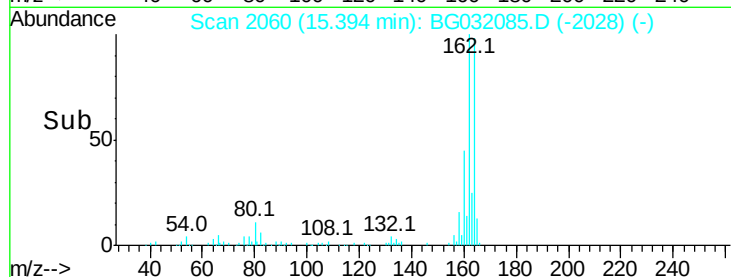
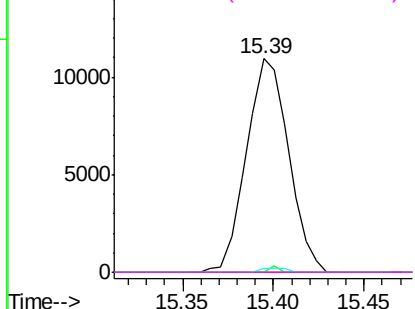
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

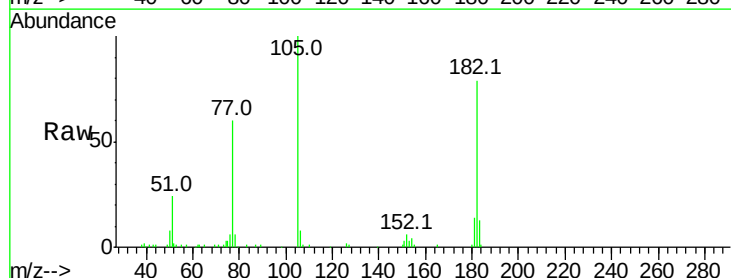
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#62  
 Azobenzene  
 Concen: 4.816 ng  
 RT: 16.72 min Scan# 2286  
 Delta R.T. 0.01 min  
 Lab File: BG032085.D  
 Acq: 17 Jan 2018 00:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 132.7 | 7.4   | 47.4# |
| 105     | 167.5 | 0.3   | 40.3# |
| 51      | 40.4  | 11.6  | 51.6  |



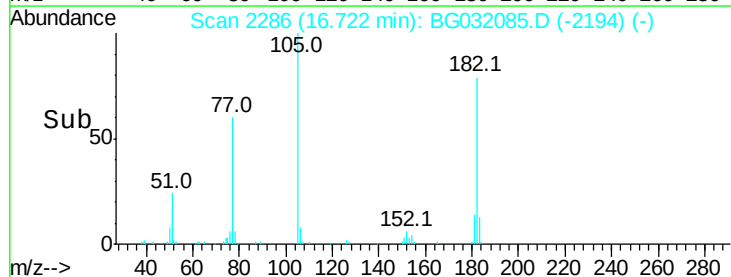
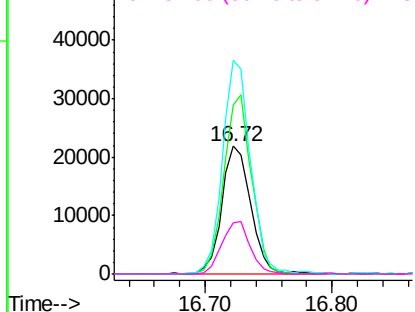
Abundance

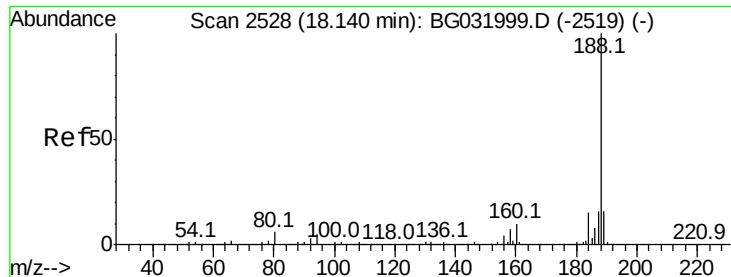
Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

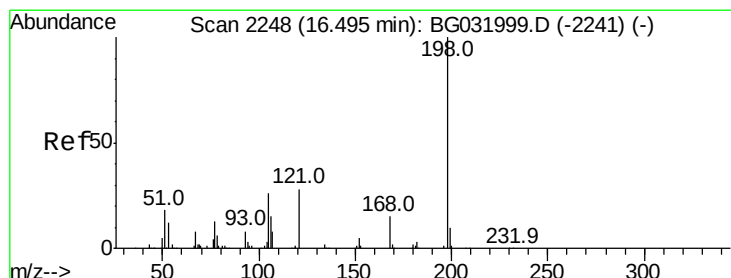
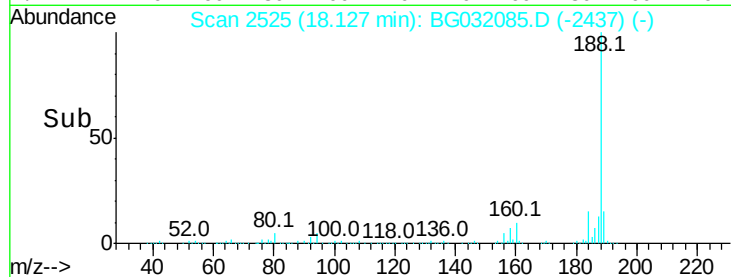
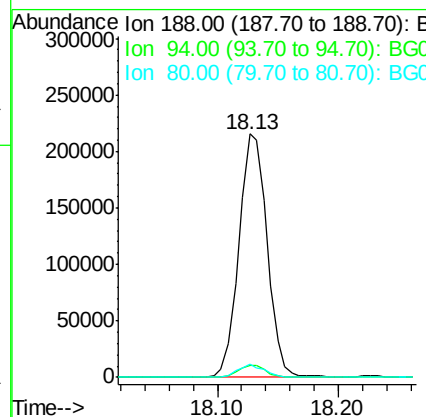
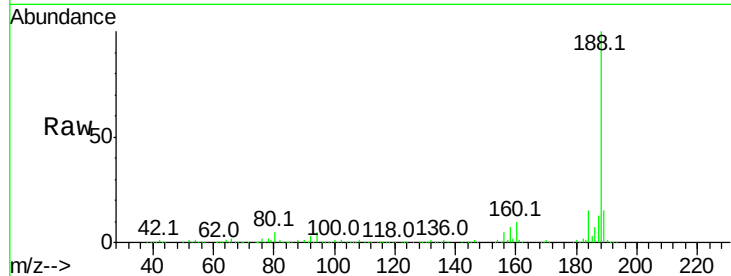




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.13 min Scan# 2525  
 Delta R.T. -0.01 min  
 Lab File: BG032085.D  
 Acq: 17 Jan 2018 00:53

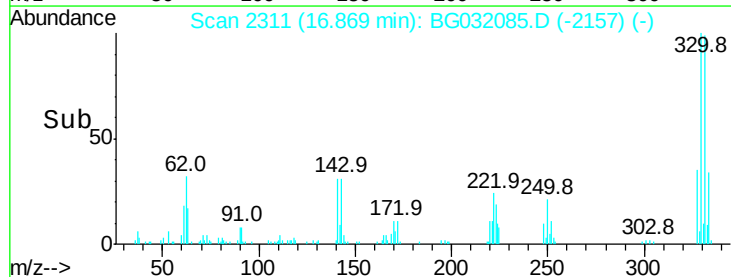
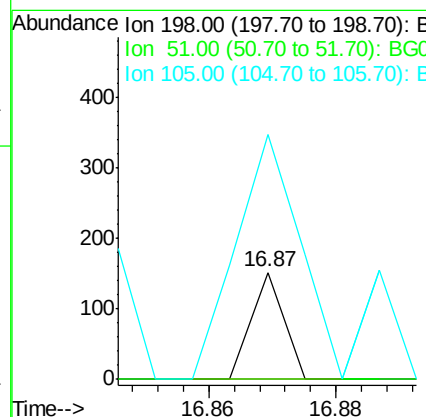
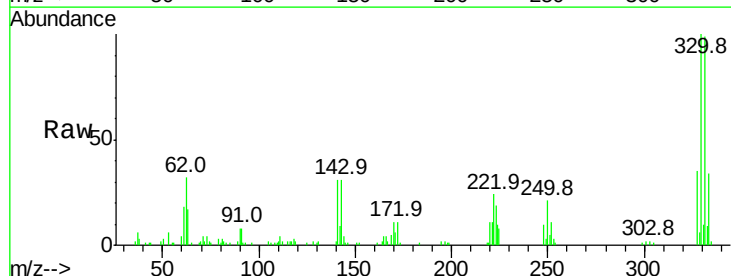
Instrument :  
 BNA\_G  
 ClientSampleId :

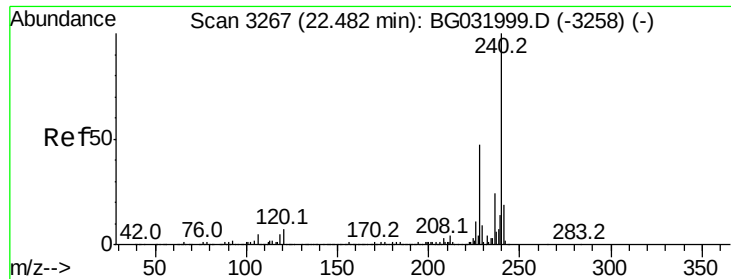
Tot Ion:188 Resp: 351445  
 Ion Ratio Lower Upper  
 188 100  
 94 5.0 6.9 10.3#  
 80 5.4 7.7 11.5#



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 4.906 ng  
 RT: 16.87 min Scan# 2311  
 Delta R.T. 0.37 min  
 Lab File: BG032085.D  
 Acq: 17 Jan 2018 00:53

Tgt Ion:198 Resp: 53  
 Ion Ratio Lower Upper  
 198 100  
 51 0.0 30.6 70.6#  
 105 229.8 23.8 63.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.46 min Scan# 3263

Delta R.T. -0.02 min

Lab File: BG032085.D

Acq: 17 Jan 2018 00:53

Instrument :

BNA\_G

ClientSampled :

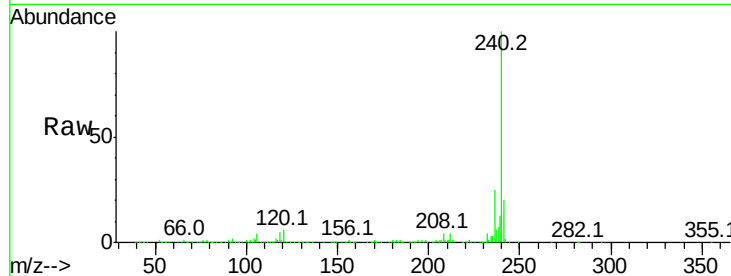
Tot Ion:240 Resp: 429825

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

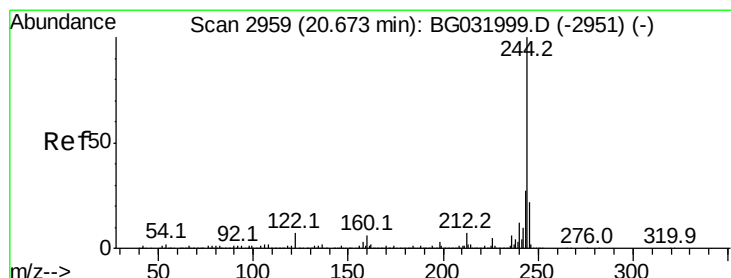
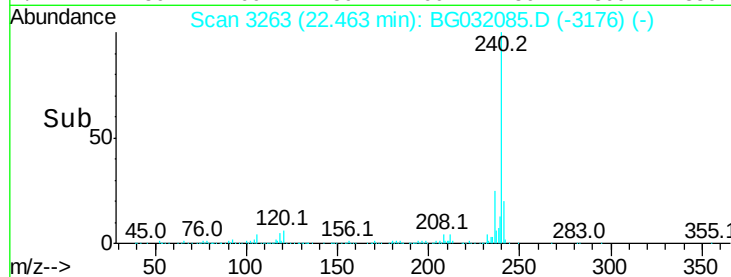
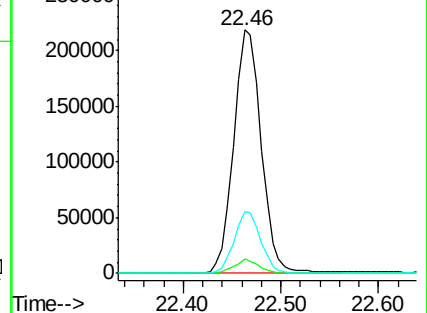
236 25.2 20.9 31.3



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



#78

Terphenyl-d14

Concen: 79.332 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032085.D

Acq: 17 Jan 2018 00:53

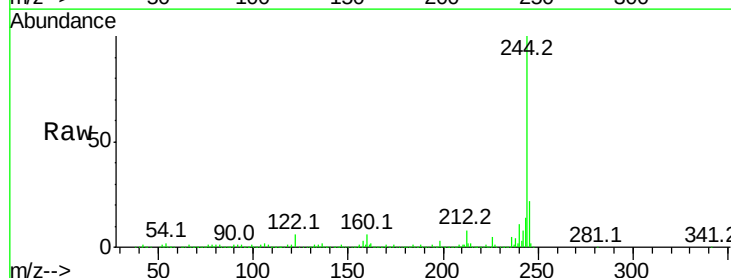
Tgt Ion:244 Resp: 1544304

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

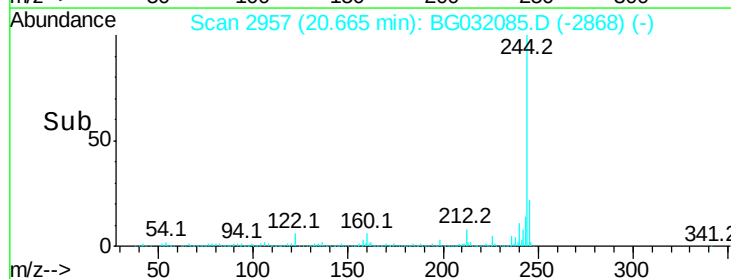
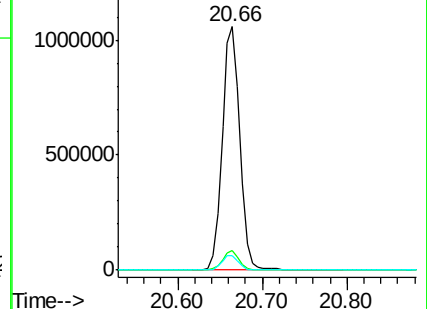
122 6.0 7.0 10.4#

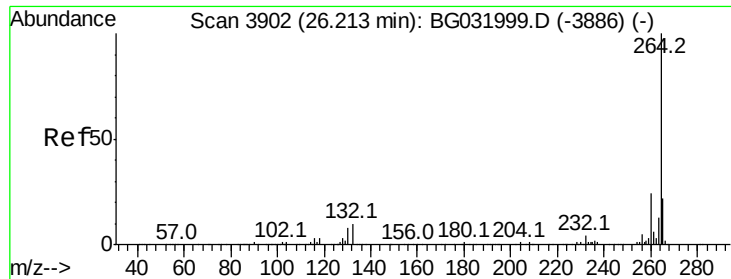


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 26.18 min Scan# 3895  
 Delta R.T. -0.04 min  
 Lab File: BG032085.D  
 Acq: 17 Jan 2018 00:53

Instrument :  
 BNA\_G  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 439608 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 22.1  | 17.4  | 26.0   |
| 265      | 22.3  | 17.7  | 26.5   |

