

Data Path : U:\HPCHEM1\BNA G\DATA\BG013018\  
 Data File : BG032456.D  
 Acq On : 31 Jan 2018 00:08  
 Operator : SJ/JU  
 Sample : J1364-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 31 03:37:34 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 29 15:32:55 2018  
 Response via : Initial Calibration

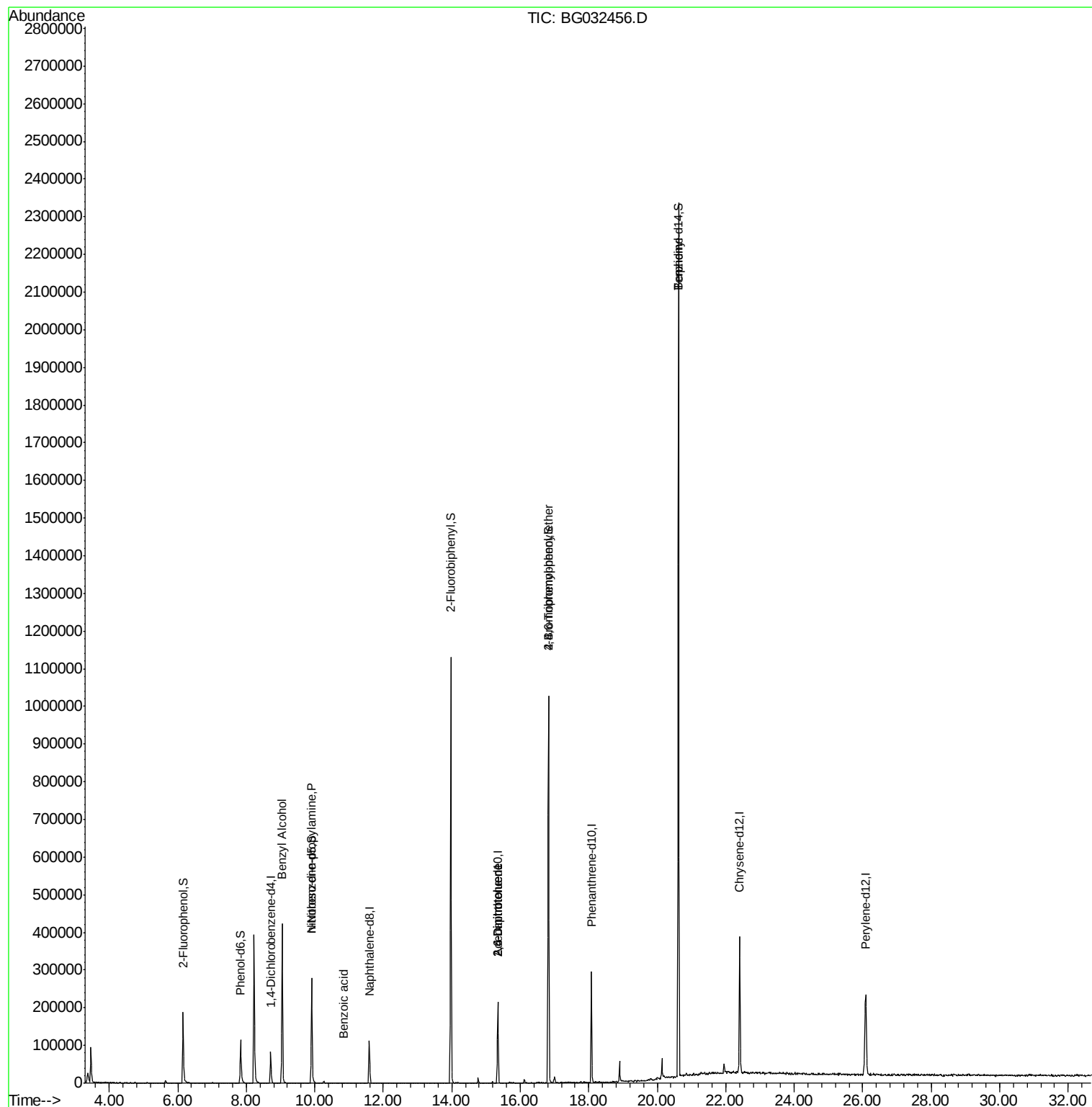
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.71  | 152  | 30437    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 11.59 | 136  | 115687   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 15.34 | 164  | 83564    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 18.08 | 188  | 217408   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 22.41 | 240  | 268925   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 26.08 | 264  | 290673   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.16  | 112  | 106165   | 70.06  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.84  | 99   | 80054    | 39.59  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.91  | 82   | 186396   | 100.64 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 16.83 | 330  | 252090   | 158.48 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 13.98 | 172  | 687384   | 97.77  | ng    | -0.01    |
| 78) Terphenyl-d14              | 20.62 | 244  | 1229114  | 97.90  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 9.05  | 79   | 3383     | 2.030  | ng    | # 64     |
| 19) n-Nitroso-di-n-propylamine | 9.91  | 70   | 25619    | 19.108 | ng    | # 77     |
| 32) Benzoic acid               | 10.84 | 122  | 65       | 7.331  | ng    | # 30     |
| 50) 2,6-Dinitrotoluene         | 15.34 | 165  | 11066    | 6.843  | ng    | # 18     |
| 56) 2,4-Dinitrotoluene         | 15.34 | 165  | 11066    | 4.806  | ng    | # 16     |
| 66) 4-Bromophenyl-phenylether  | 16.82 | 248  | 20336    | 6.314  | ng    | # 1      |
| 76) Benzydine                  | 20.61 | 184  | 17487    | 3.312  | ng    | # 89     |

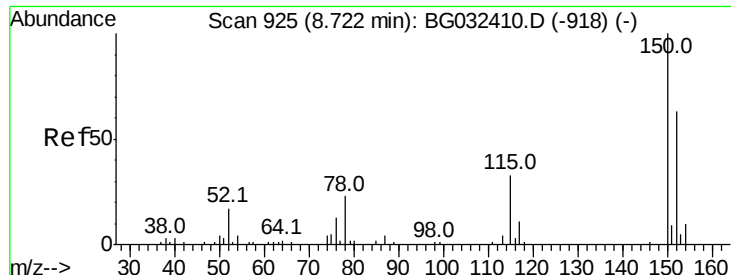
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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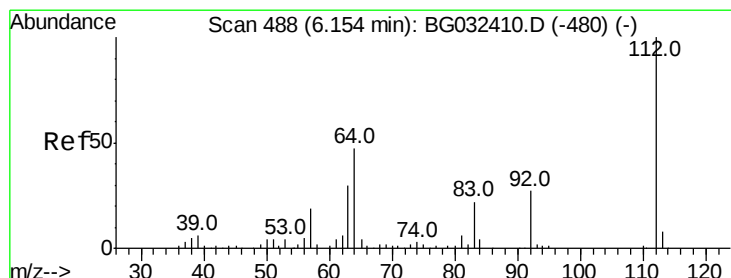
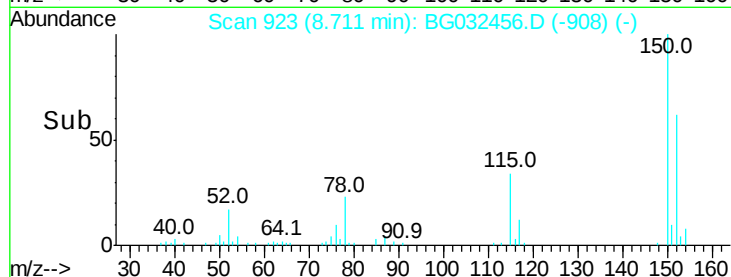
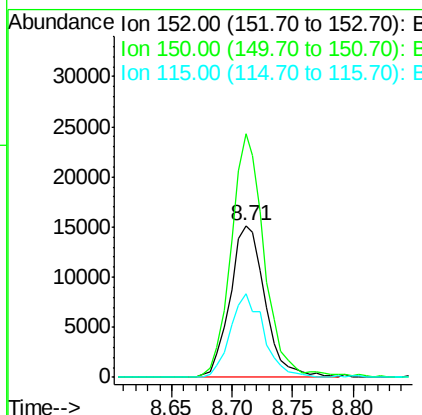
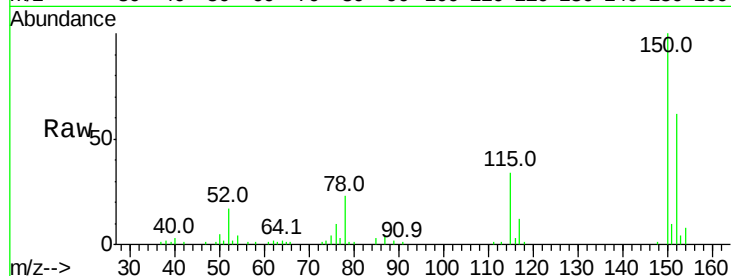


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.71 min Scan# 923  
Delta R.T. -0.01 min  
Lab File: BG032456.D  
Acq: 31 Jan 2018 00:08

Instrument :  
BNA\_G  
ClientSampleId :

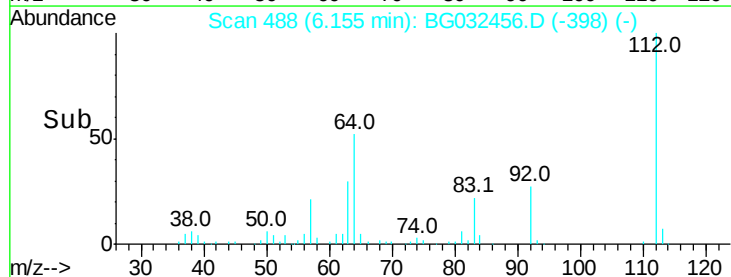
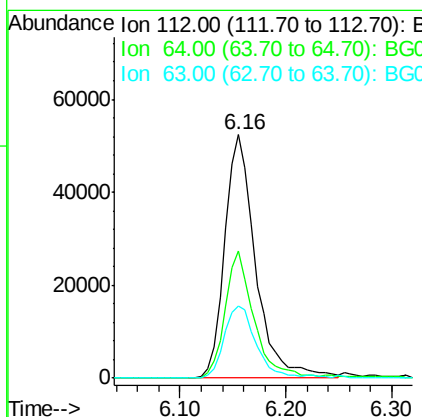
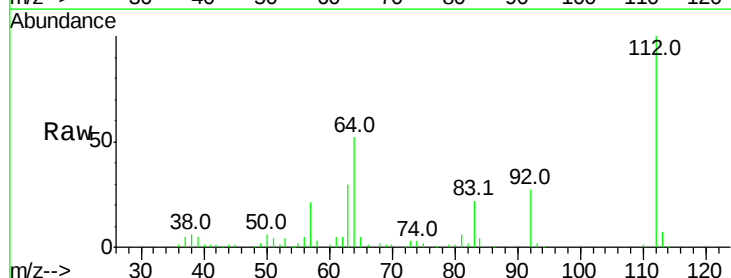
Tot Ion:152 Resp: 30437  
Ion Ratio Lower Upper  
152 100  
150 160.4 126.6 189.8  
115 54.8 53.0 79.4

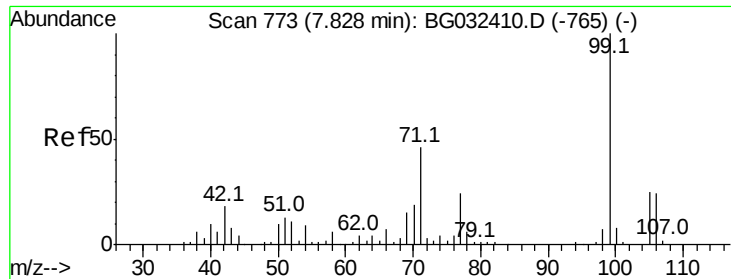


#5

2-Fluorophenol  
Concen: 70.059 ng  
RT: 6.16 min Scan# 488  
Delta R.T. 0.00 min  
Lab File: BG032456.D  
Acq: 31 Jan 2018 00:08

Tgt Ion:112 Resp: 106165  
Ion Ratio Lower Upper  
112 100  
64 52.2 56.3 84.5#  
63 29.7 30.1 45.1#





#7

Phenol-d6

Concen: 39.589 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032456.D

Acq: 31 Jan 2018 00:08

Instrument :

BNA\_G

ClientSampled :

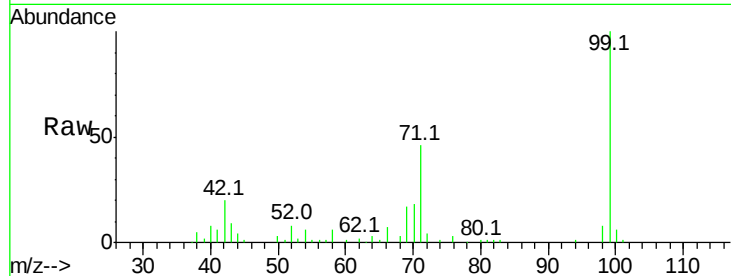
Tot Ion: 99 Resp: 80054

Ion Ratio Lower Upper

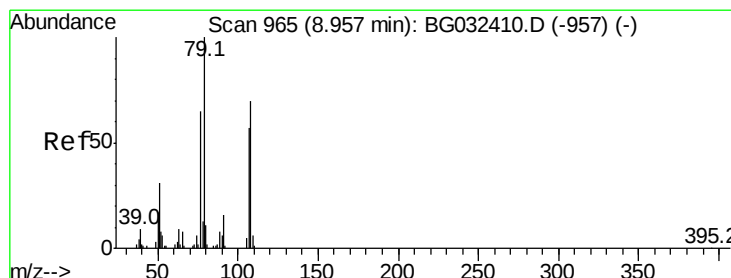
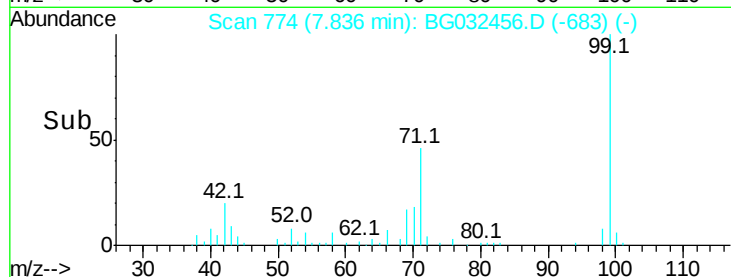
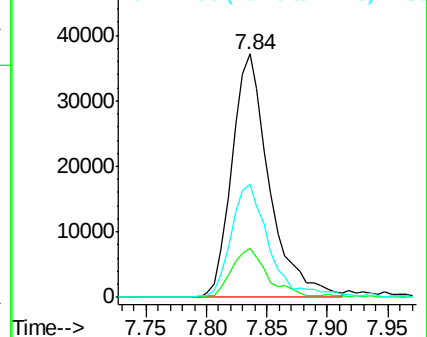
99 100

42 20.1 14.1 21.1

71 46.5 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



#15

Benzyl Alcohol

Concen: 2.030 ng

RT: 9.05 min Scan# 980

Delta R.T. 0.09 min

Lab File: BG032456.D

Acq: 31 Jan 2018 00:08

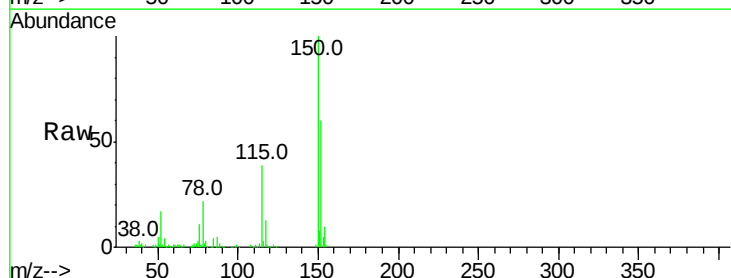
Tgt Ion: 79 Resp: 3383

Ion Ratio Lower Upper

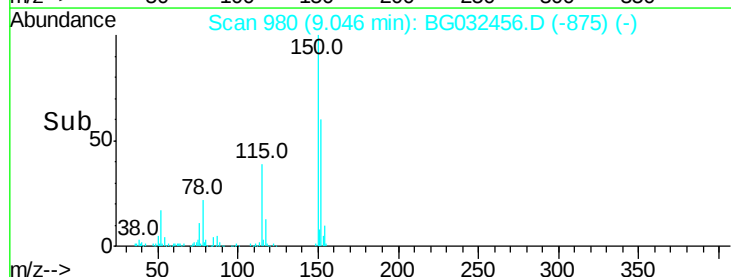
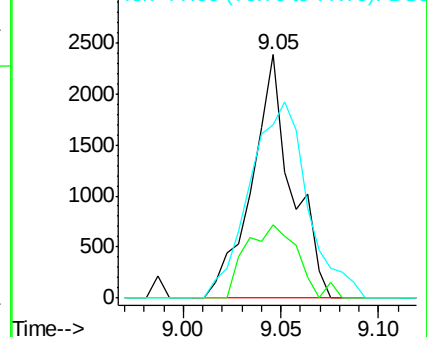
79 100

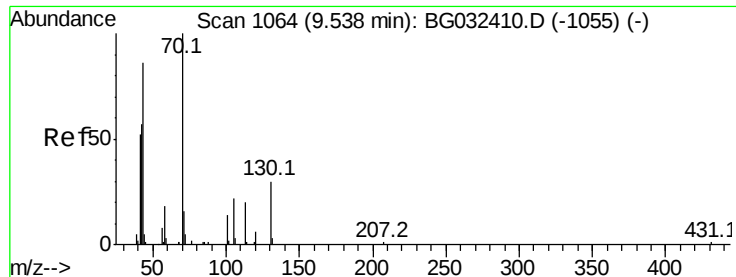
108 30.1 57.2 85.8#

77 71.3 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

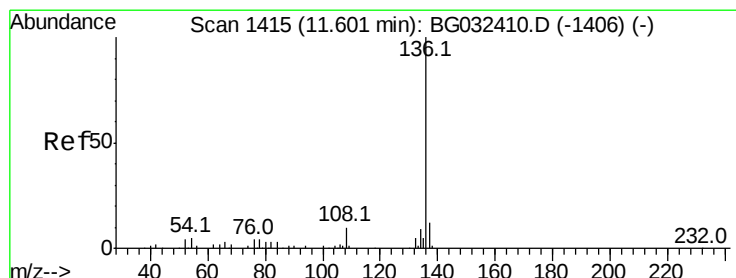
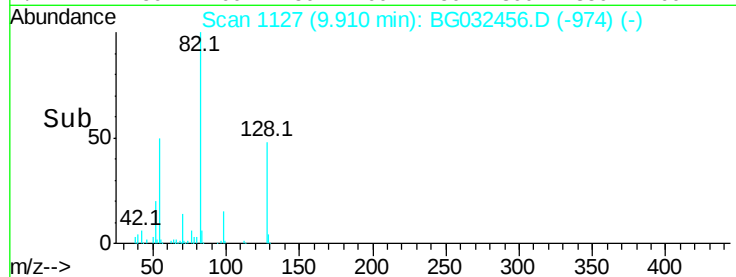
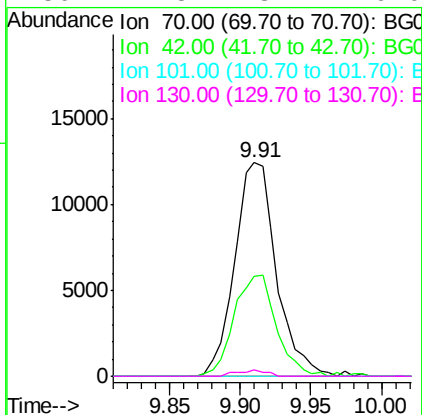
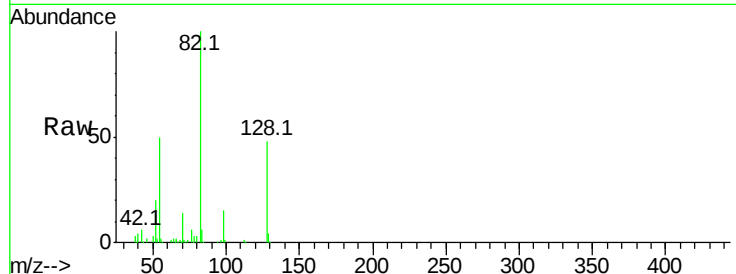




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.108 ng  
RT: 9.91 min Scan# 1127  
Delta R.T. 0.37 min  
Lab File: BG032456.D  
Acq: 31 Jan 2018 00:08

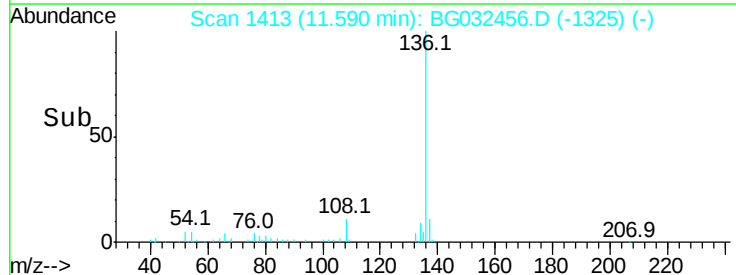
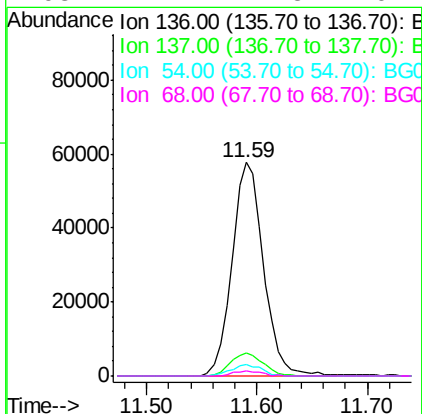
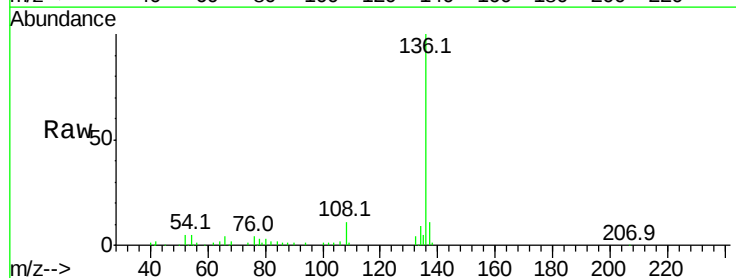
Instrument :  
BNA\_G  
ClientSampleId :

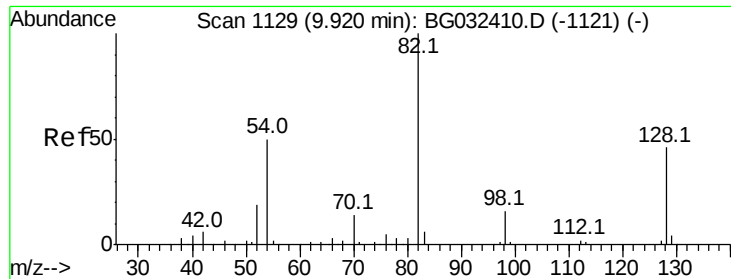
Tot Ion: 70 Resp: 25619  
Ion Ratio Lower Upper  
70 100  
42 46.7 49.1 73.7#  
101 0.0 8.5 12.7#  
130 2.8 13.4 20.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.59 min Scan# 1413  
Delta R.T. -0.01 min  
Lab File: BG032456.D  
Acq: 31 Jan 2018 00:08

Tgt Ion: 136 Resp: 115687  
Ion Ratio Lower Upper  
136 100  
137 10.6 9.2 13.8  
54 5.3 10.3 15.5#  
68 2.4 4.5 6.7#

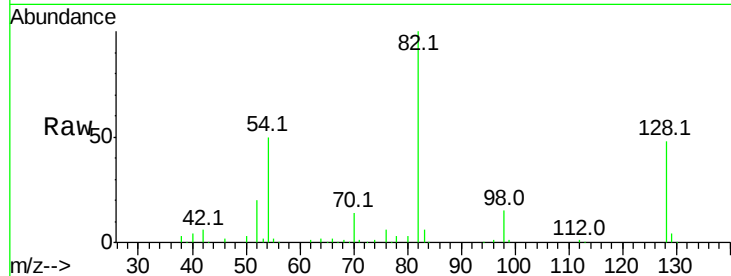




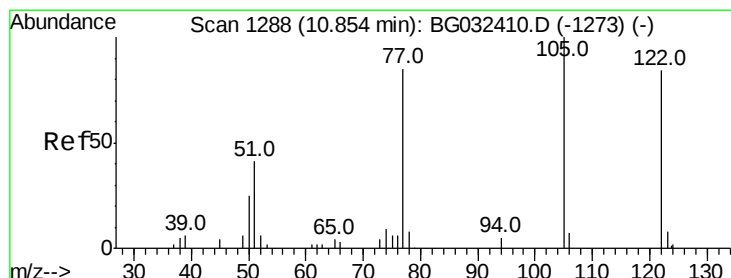
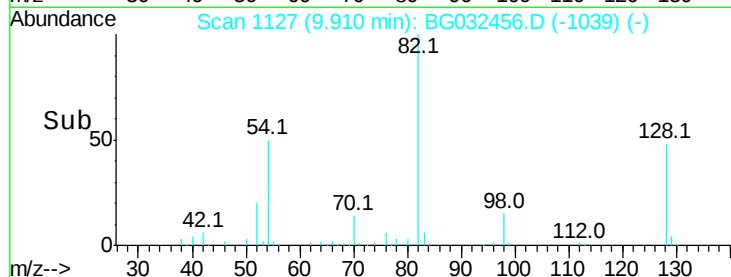
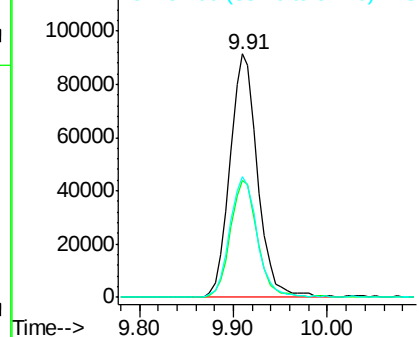
#23  
 Nitrobenzene-d5  
 Concen: 100.637 ng  
 RT: 9.91 min Scan# 1127  
 Delta R.T. -0.01 min  
 Lab File: BG032456.D  
 Acq: 31 Jan 2018 00:08

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion: 82 Resp: 186396  
 Ion Ratio Lower Upper  
 82 100  
 128 47.8 29.7 44.5#  
 54 49.5 43.1 64.7

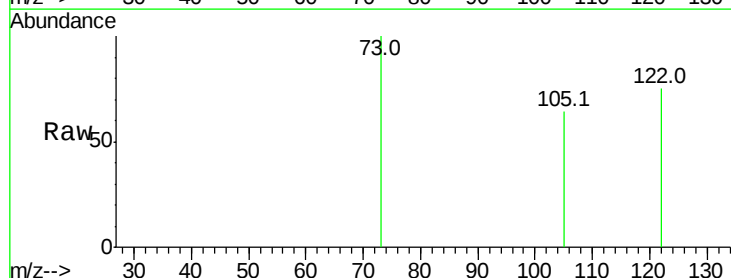


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

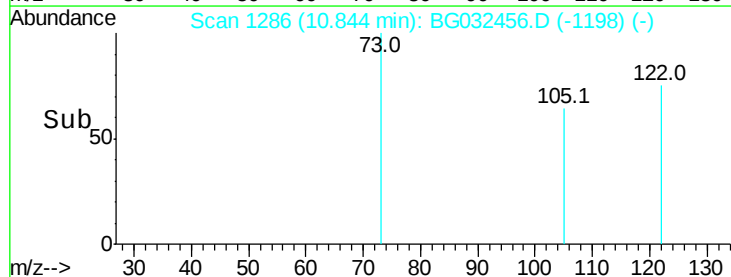
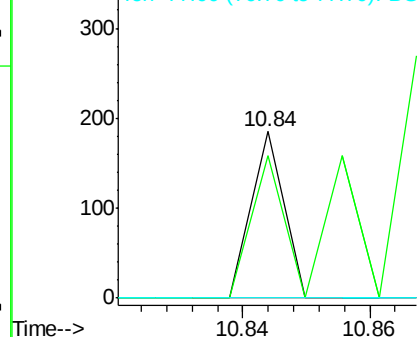


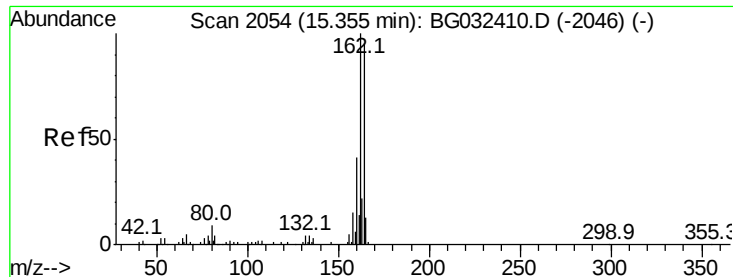
#32  
 Benzoic acid  
 Concen: 7.331 ng  
 RT: 10.84 min Scan# 1286  
 Delta R.T. -0.01 min  
 Lab File: BG032456.D  
 Acq: 31 Jan 2018 00:08

Tgt Ion:122 Resp: 65  
 Ion Ratio Lower Upper  
 122 100  
 105 85.4 123.5 163.5#  
 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: 15.34 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG032456.D

Acq: 31 Jan 2018 00:08

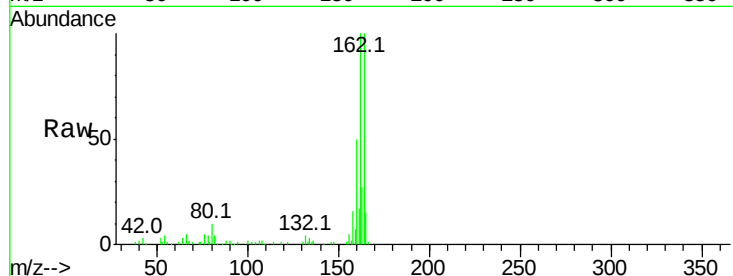
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:164 Resp: 83564

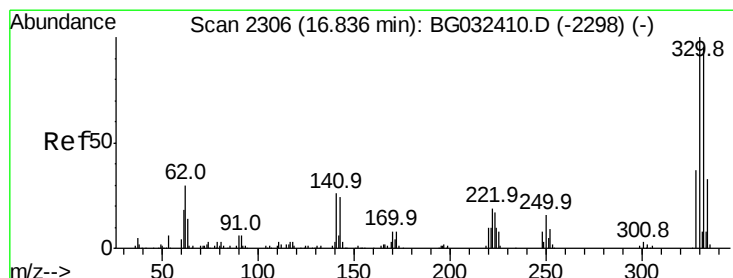
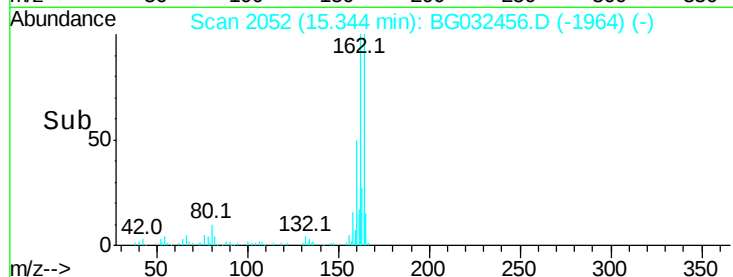
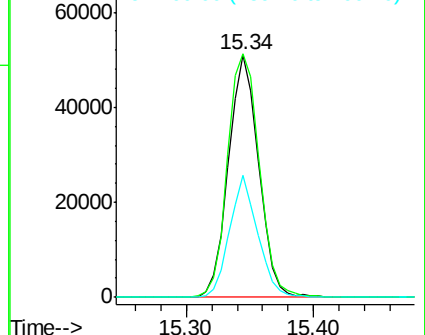
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 100.3 | 78.8  | 118.2 |
| 160 | 50.1  | 35.4  | 53.0  |



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: 158.483 ng

RT: 16.83 min Scan# 2304

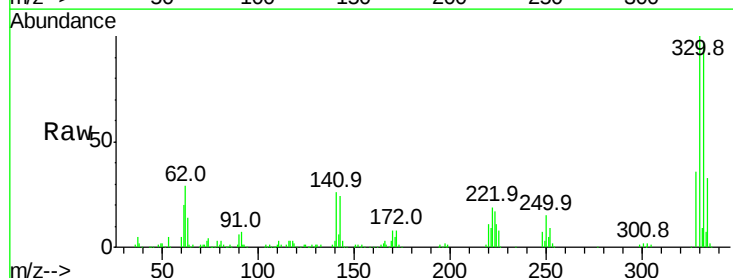
Delta R.T. -0.01 min

Lab File: BG032456.D

Acq: 31 Jan 2018 00:08

Tgt Ion:330 Resp: 252090

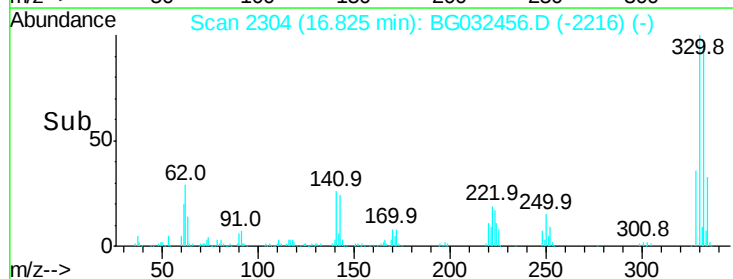
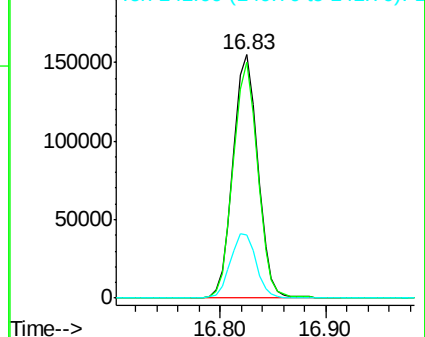
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 96.0  | 77.0  | 115.6 |
| 141 | 27.6  | 25.2  | 37.8  |

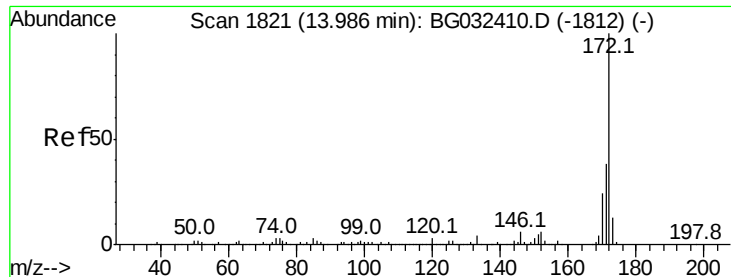


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

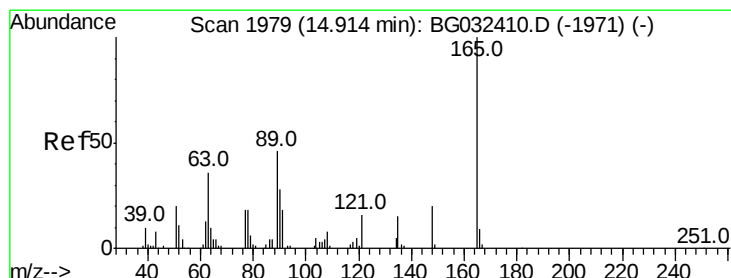
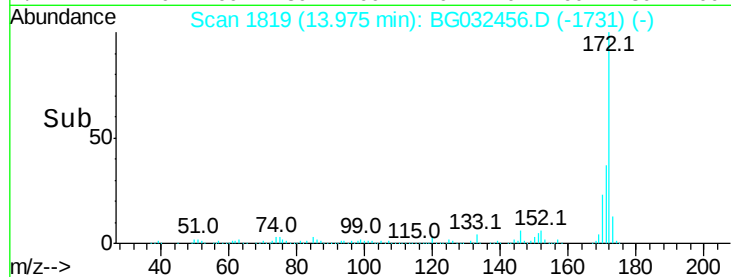
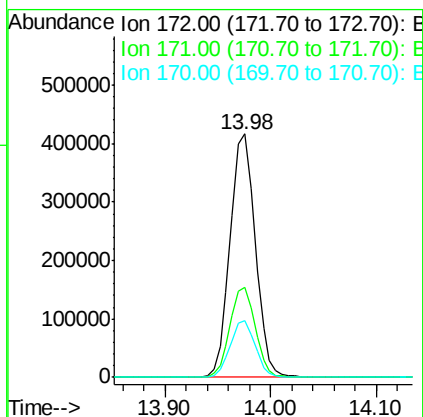
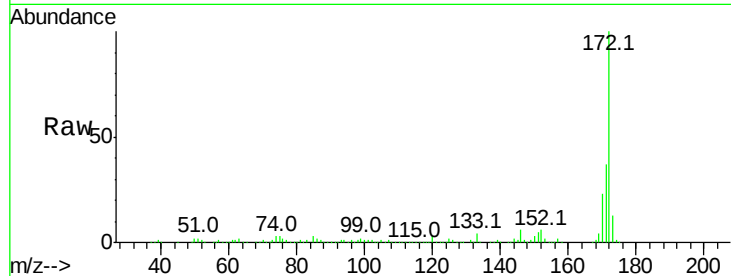




#44  
 2-Fluorobiphenyl  
 Concen: 97.770 ng  
 RT: 13.98 min Scan# 1819  
 Delta R.T. -0.01 min  
 Lab File: BG032456.D  
 Acq: 31 Jan 2018 00:08

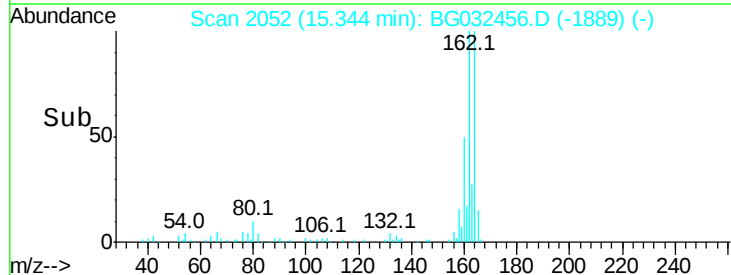
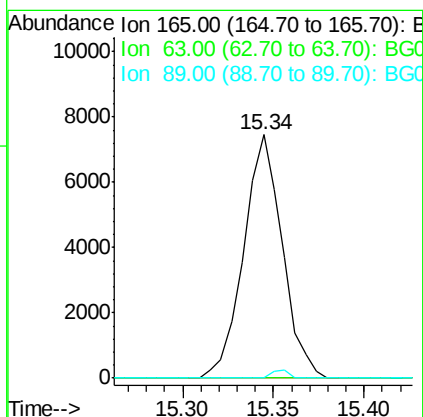
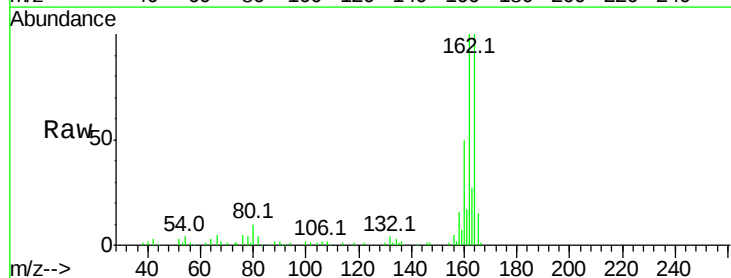
Instrument :  
 BNA\_G  
 ClientSampled :

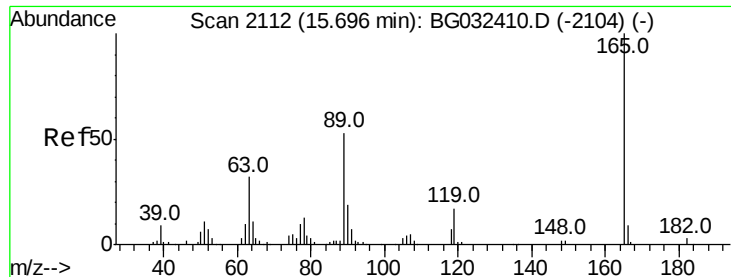
Tot Ion:172 Resp: 687384  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 30.0 45.0  
 170 23.2 19.5 29.3



#50  
 2,6-Dinitrotoluene  
 Concen: 6.843 ng  
 RT: 15.34 min Scan# 2052  
 Delta R.T. 0.43 min  
 Lab File: BG032456.D  
 Acq: 31 Jan 2018 00:08

Tgt Ion:165 Resp: 11066  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 52.7 79.1#  
 89 0.0 49.2 73.8#

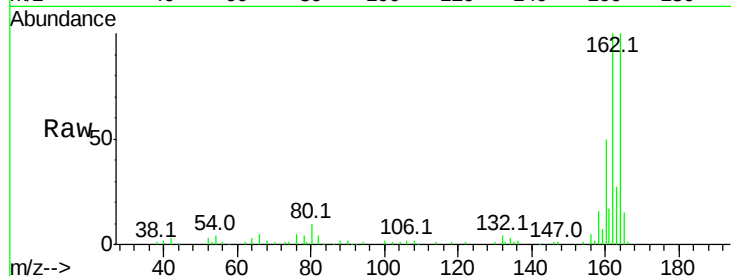




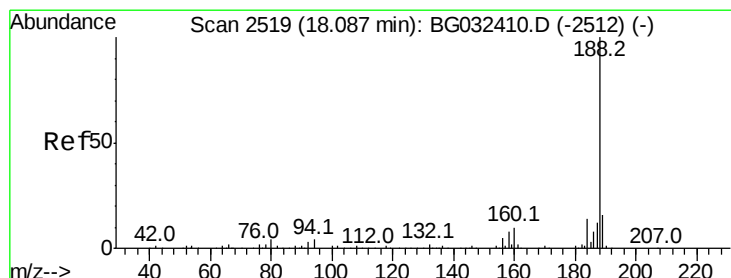
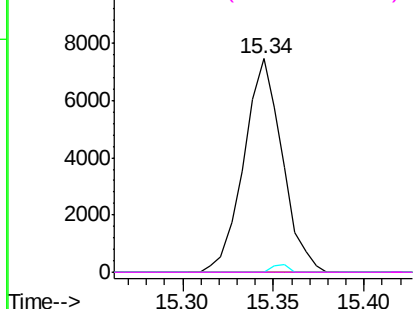
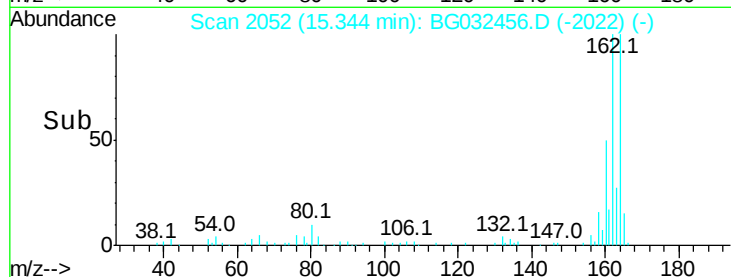
#56  
2,4-Dinitrotoluene  
Concen: 4.806 ng  
RT: 15.34 min Scan# 2052  
Delta R.T. -0.35 min  
Lab File: BG032456.D  
Acq: 31 Jan 2018 00:08

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:165 Resp: 11066  
Ion Ratio Lower Upper  
165 100  
63 0.0 42.0 63.0#  
89 0.0 66.9 100.3#  
182 0.0 2.6 3.8#

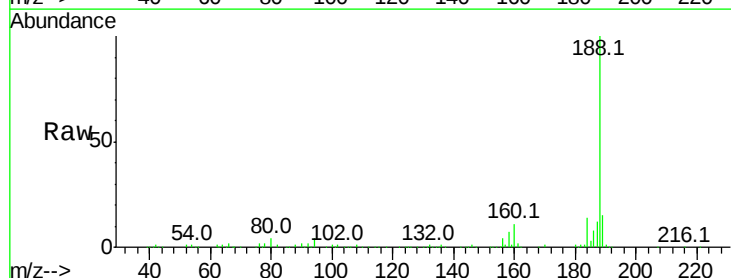


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC  
Ion 182.00 (181.70 to 182.70): E

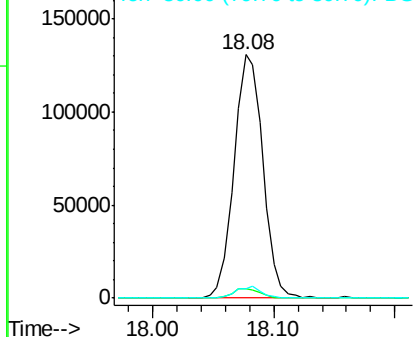
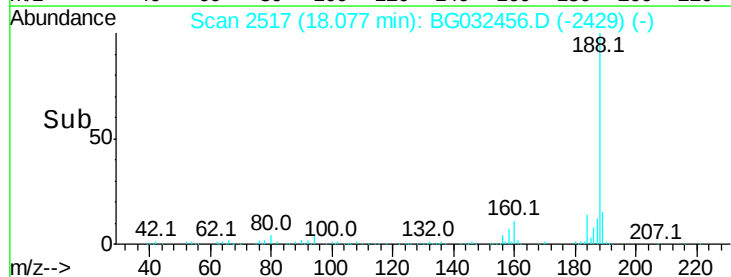


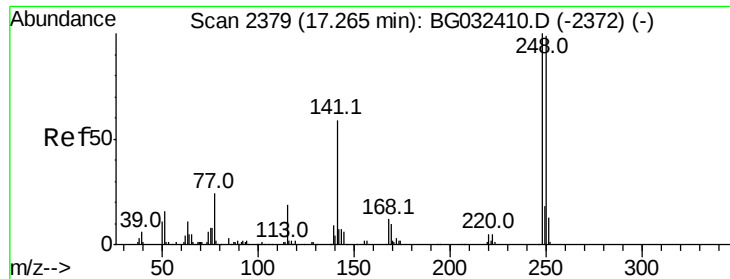
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.08 min Scan# 2517  
Delta R.T. -0.01 min  
Lab File: BG032456.D  
Acq: 31 Jan 2018 00:08

Tgt Ion:188 Resp: 217408  
Ion Ratio Lower Upper  
188 100  
94 3.9 6.9 10.3#  
80 3.7 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

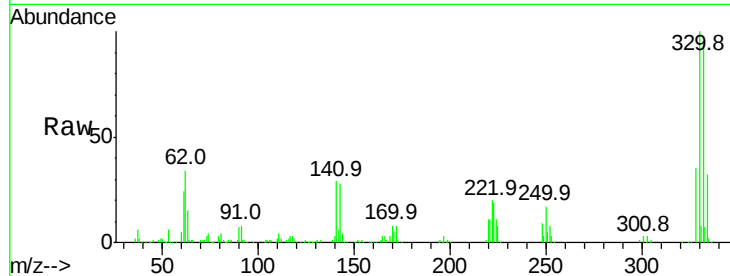




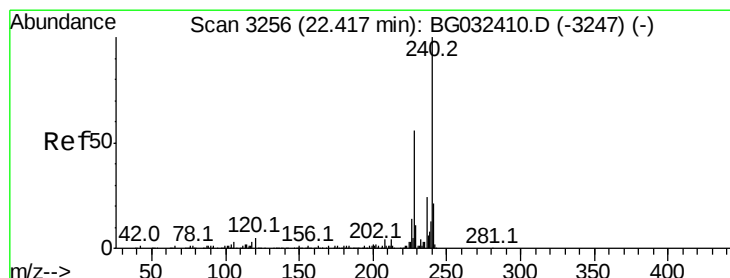
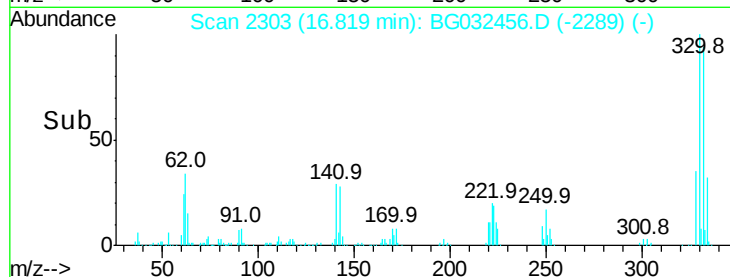
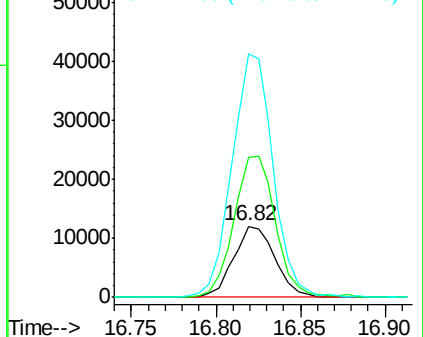
#66  
4-Bromophenyl-phenylether  
Concen: 6.314 ng  
RT: 16.82 min Scan# 2303  
Delta R.T. -0.45 min  
Lab File: BG032456.D  
Acq: 31 Jan 2018 00:08

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:248 Resp: 20336  
Ion Ratio Lower Upper  
248 100  
250 195.1 77.1 115.7#  
141 340.9 50.8 76.2#

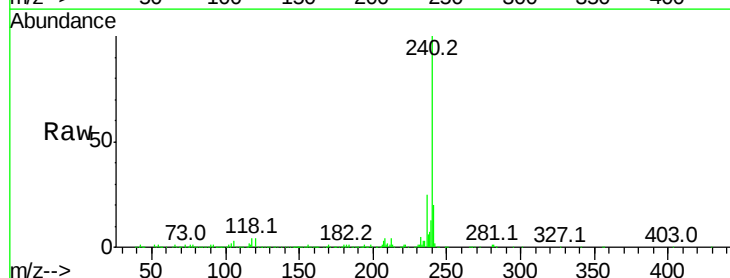


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

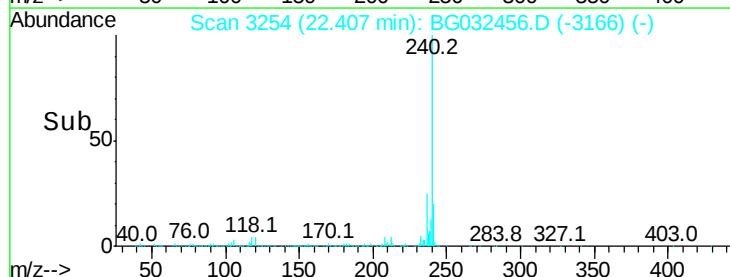
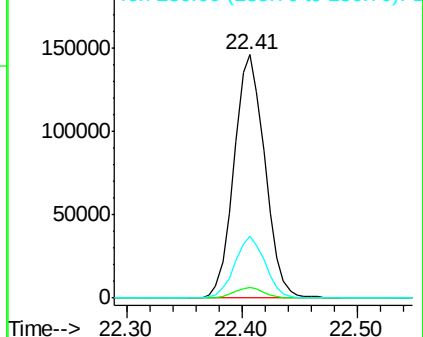


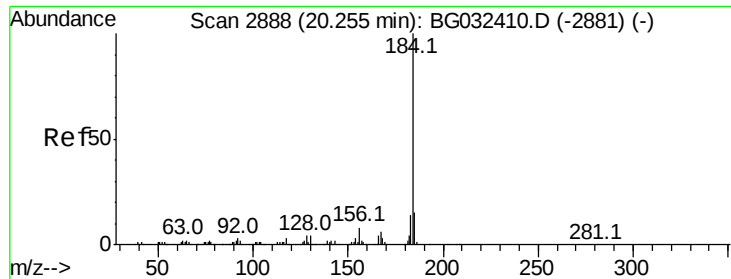
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.41 min Scan# 3254  
Delta R.T. -0.01 min  
Lab File: BG032456.D  
Acq: 31 Jan 2018 00:08

Tgt Ion:240 Resp: 268925  
Ion Ratio Lower Upper  
240 100  
120 4.2 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





#76

Benzidine

Concen: 3.312 ng

RT: 20.61 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032456.D

Acq: 31 Jan 2018 00:08

Instrument :

BNA\_G

ClientSampleId :

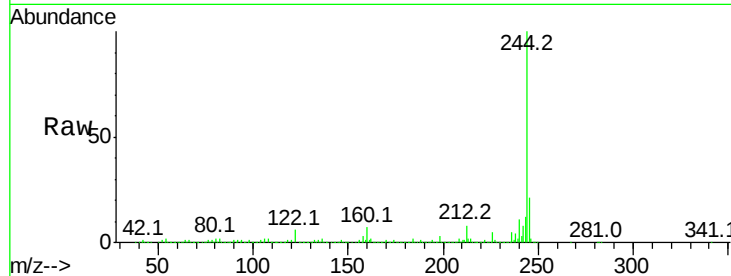
Tot Ion:184 Resp: 17487

Ion Ratio Lower Upper

184 100

185 21.1 11.1 16.7#

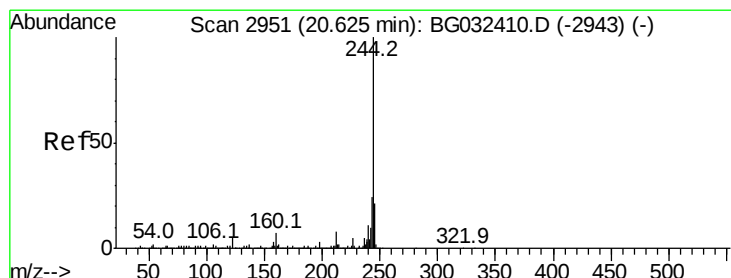
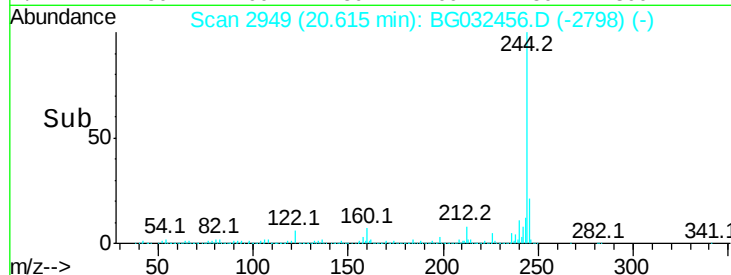
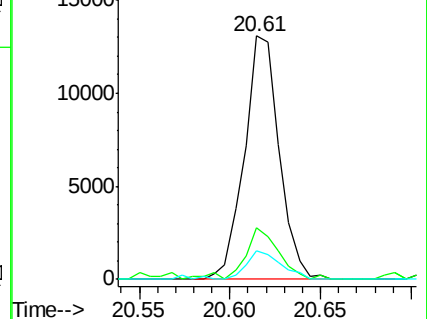
183 11.9 10.6 16.0



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: 97.903 ng

RT: 20.62 min Scan# 2950

Delta R.T. -0.00 min

Lab File: BG032456.D

Acq: 31 Jan 2018 00:08

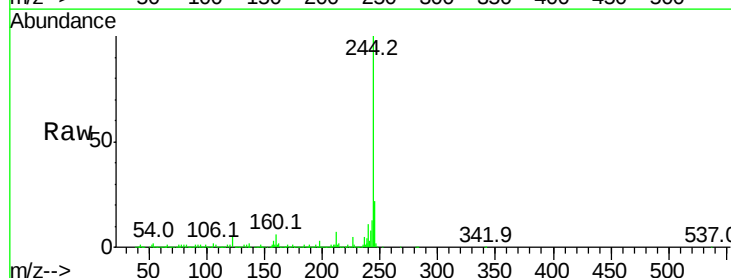
Tgt Ion:244 Resp: 1229114

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

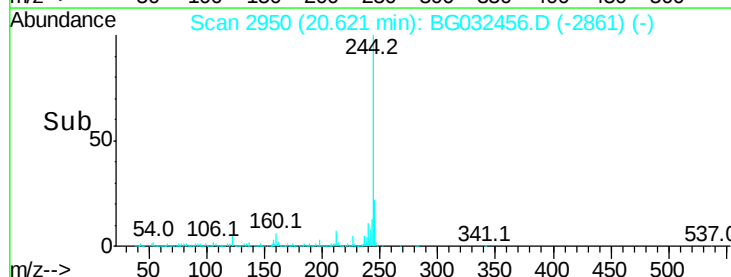
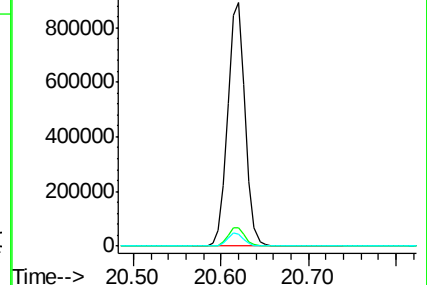
122 5.1 7.0 10.4#

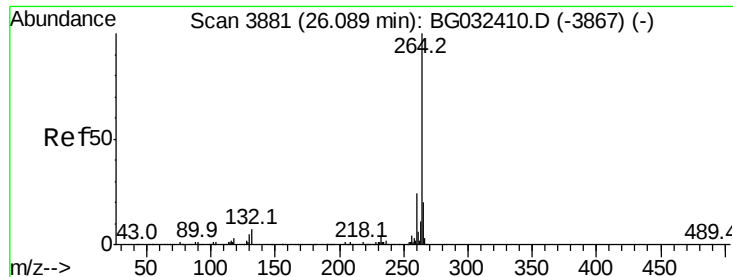


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

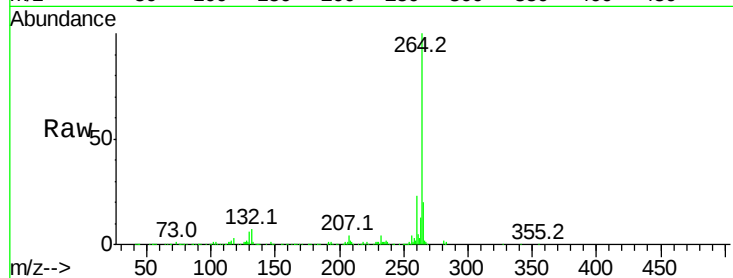




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 26.08 min Scan# 3880  
 Delta R.T. -0.00 min  
 Lab File: BG032456.D  
 Acq: 31 Jan 2018 00:08

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 17.4  | 26.0  |
| 265     | 19.6  | 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

