

Data Path : U:\HPCHEM1\BNA G\DATA\BG011518\  
 Data File : BG032043.D  
 Acq On : 15 Jan 2018 21:59  
 Operator : SJ/JU  
 Sample : J1109-05  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 16 01:31:53 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

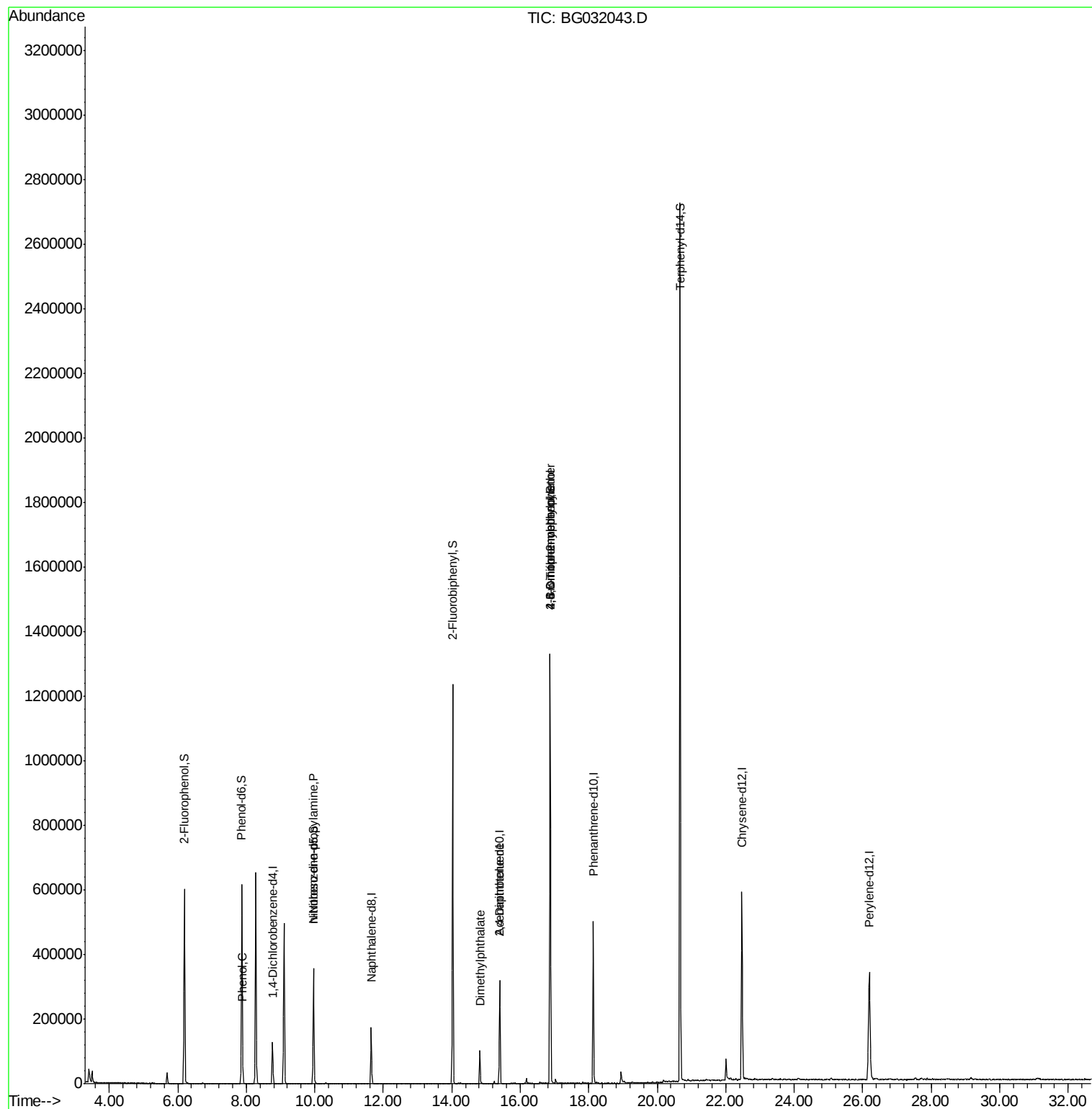
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.77  | 152  | 42609    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 11.65 | 136  | 173316   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 15.40 | 164  | 125001   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 18.14 | 188  | 354711   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 22.47 | 240  | 450901   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 26.19 | 264  | 466760   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.19  | 112  | 316645   | 135.92 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.87  | 99   | 401513   | 136.84 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.96  | 82   | 222474   | 86.84  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 16.87 | 330  | 296492   | 143.34 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 14.03 | 172  | 729475   | 72.36  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.67 | 244  | 1499679  | 73.44  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.90  | 94   | 9474     | 3.278  | ng    | 88       |
| 19) n-Nitroso-di-n-propylamine | 9.96  | 70   | 30514    | 16.761 | ng    | # 70     |
| 49) Dimethylphthalate          | 14.82 | 163  | 77615    | 7.095  | ng    | # 98     |
| 56) 2,4-Dinitrotoluene         | 15.40 | 165  | 16067    | 5.256  | ng    | # 17     |
| 64) 4,6-Dinitro-2-methylphenol | 16.88 | 198  | 844      | 5.218  | ng    | # 14     |
| 66) 4-Bromophenyl-phenylether  | 16.87 | 248  | 26025    | 5.157  | ng    | # 1      |

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

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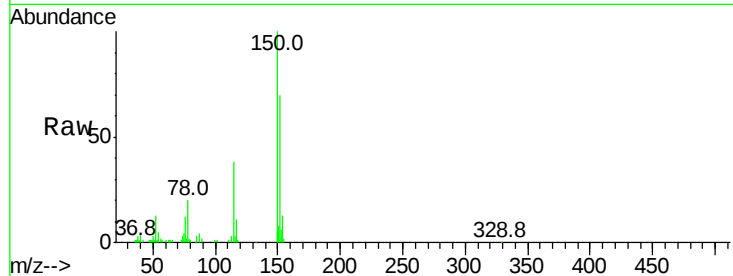


#1

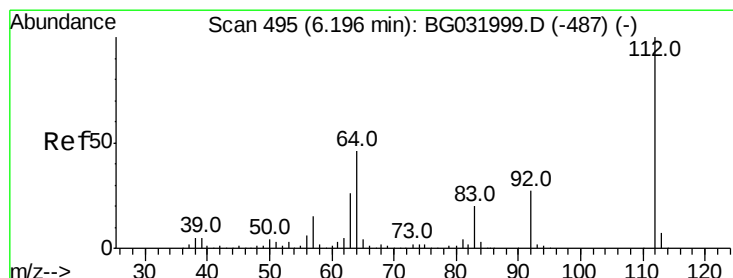
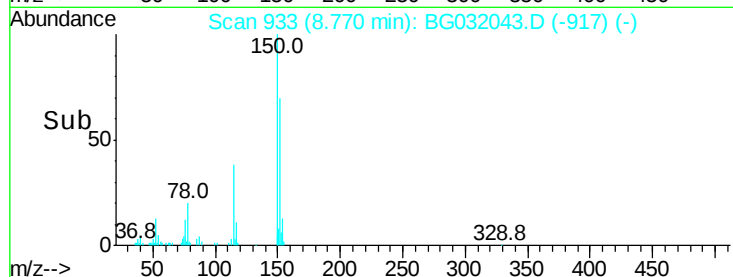
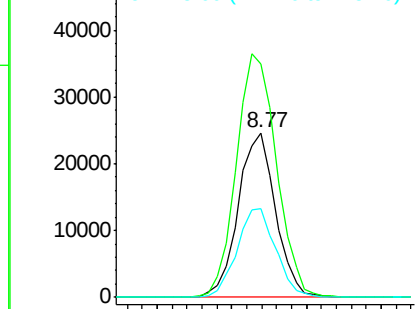
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.77 min Scan# 933  
Delta R.T. -0.01 min  
Lab File: BG032043.D  
Acq: 15 Jan 2018 21:59

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 42609  
Ion Ratio Lower Upper  
152 100  
150 142.4 126.6 189.8  
115 54.4 53.0 79.4



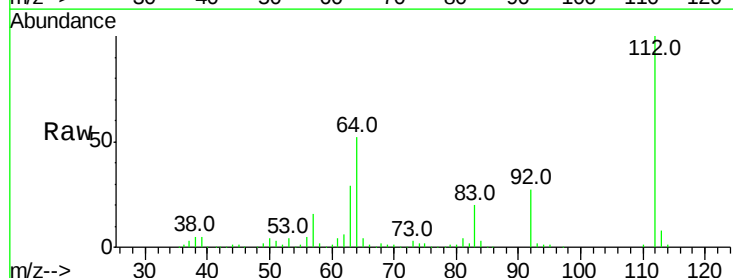
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



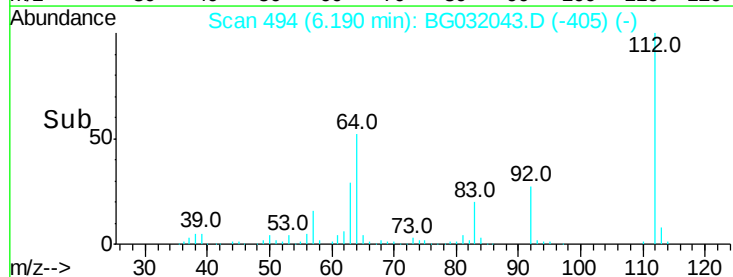
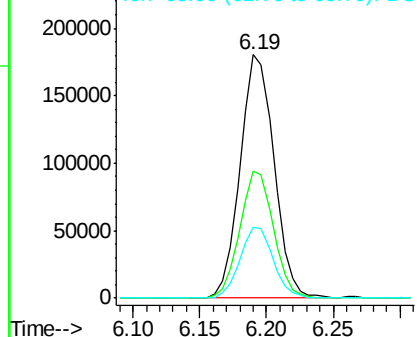
#5

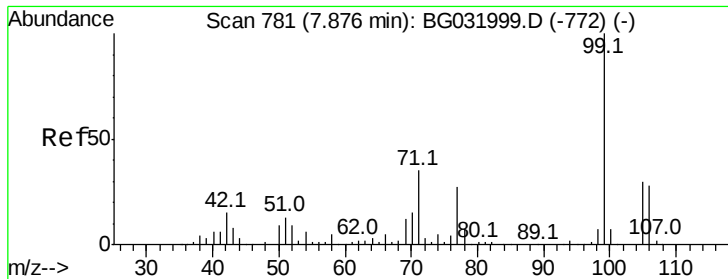
2-Fluorophenol  
Concen: 135.916 ng  
RT: 6.19 min Scan# 494  
Delta R.T. -0.01 min  
Lab File: BG032043.D  
Acq: 15 Jan 2018 21:59

Tgt Ion:112 Resp: 316645  
Ion Ratio Lower Upper  
112 100  
64 52.2 56.3 84.5#  
63 29.1 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: 136.842 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG032043.D

Acq: 15 Jan 2018 21:59

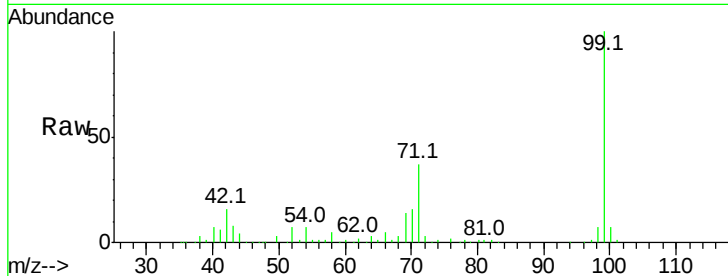
Instrument :

BNA\_G

ClientSampled :

Tot Ion: 99 Resp: 401513

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.9  | 14.1  | 21.1  |
| 71  | 37.1  | 26.1  | 39.1  |

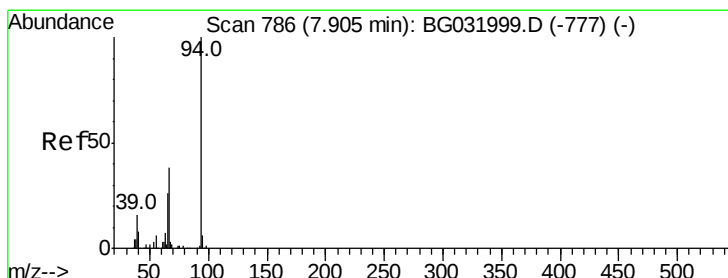
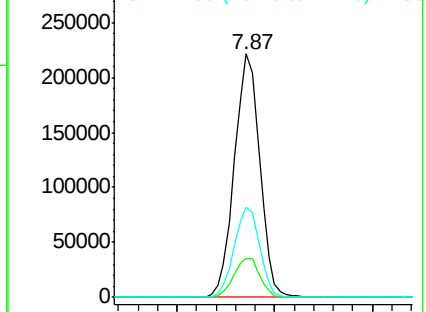
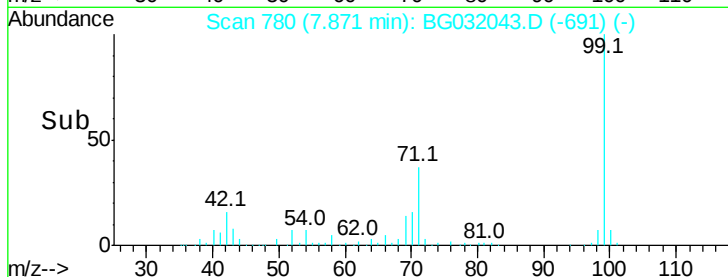


Abundance

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: 3.278 ng

RT: 7.90 min Scan# 785

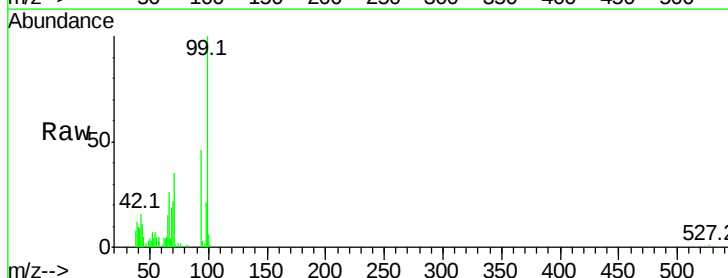
Delta R.T. -0.01 min

Lab File: BG032043.D

Acq: 15 Jan 2018 21:59

Tgt Ion: 94 Resp: 9474

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 32.2  | 11.9  | 51.9  |
| 66  | 55.2  | 22.2  | 62.2  |

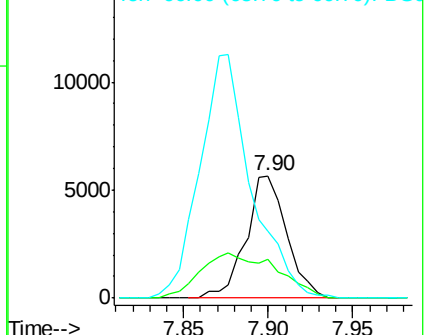
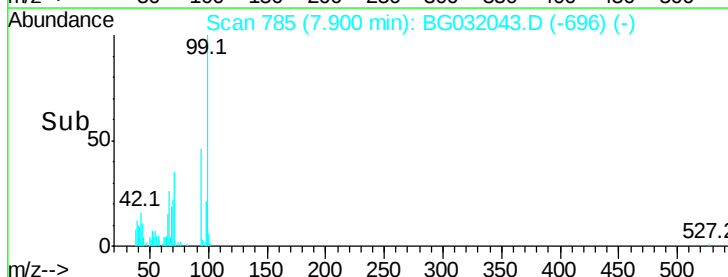


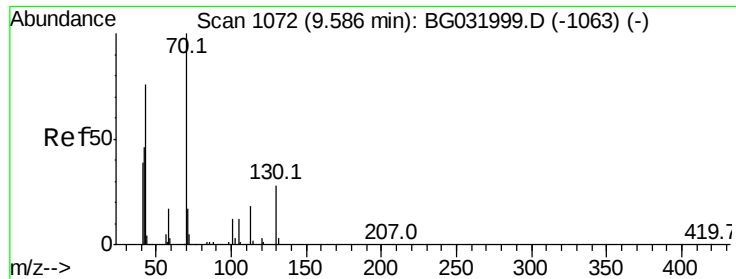
Abundance

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

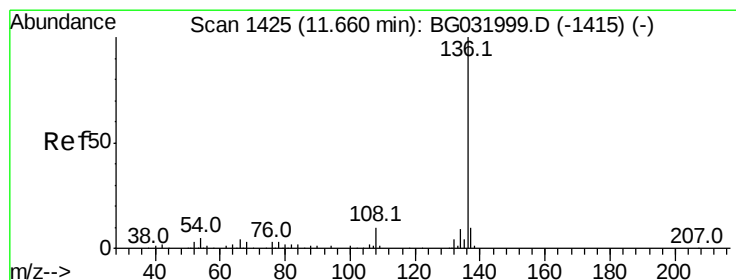
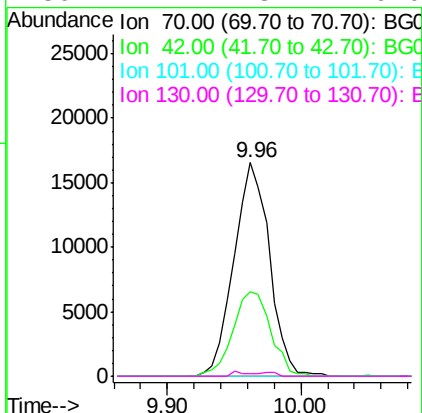
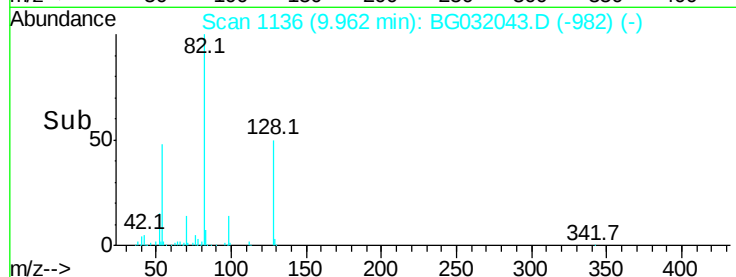
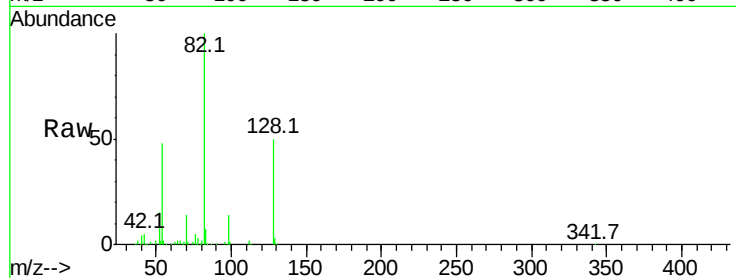




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.761 ng  
RT: 9.96 min Scan# 1136  
Delta R.T. 0.38 min  
Lab File: BG032043.D  
Acq: 15 Jan 2018 21:59

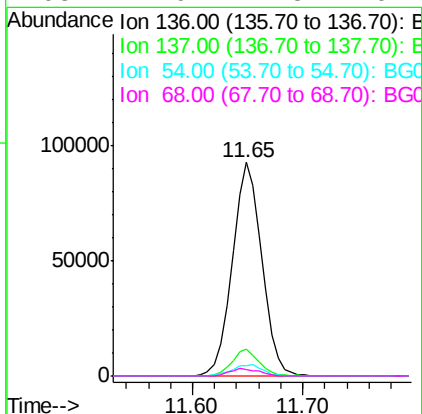
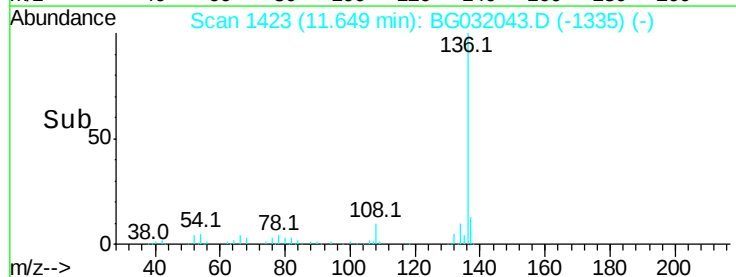
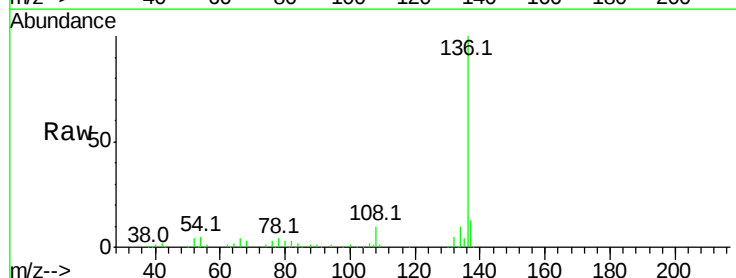
Instrument :  
BNA\_G  
ClientSampleId :

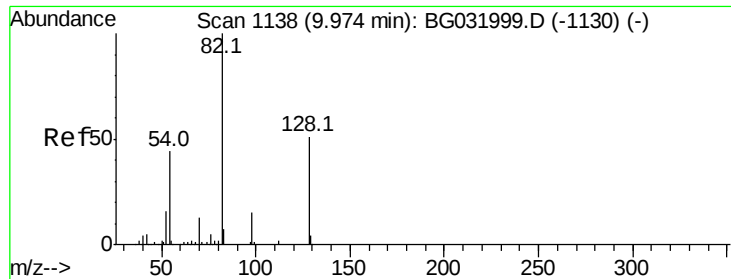
Tot Ion: 70 Resp: 30514  
Ion Ratio Lower Upper  
70 100  
42 39.5 49.1 73.7#  
101 0.0 8.5 12.7#  
130 1.4 13.4 20.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.65 min Scan# 1423  
Delta R.T. -0.01 min  
Lab File: BG032043.D  
Acq: 15 Jan 2018 21:59

Tgt Ion: 136 Resp: 173316  
Ion Ratio Lower Upper  
136 100  
137 12.7 9.2 13.8  
54 4.7 10.3 15.5#  
68 2.9 4.5 6.7#

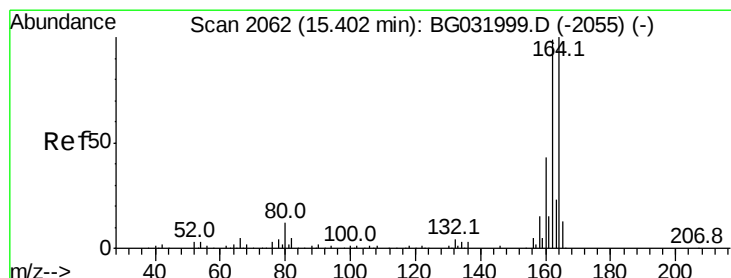
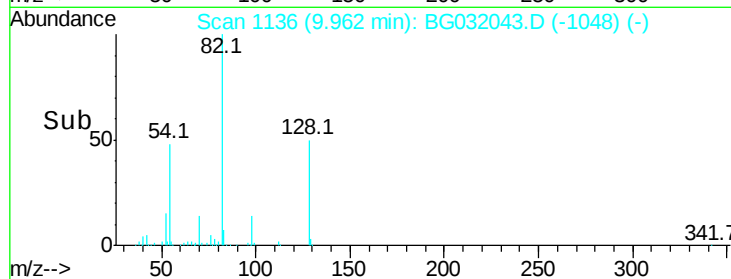
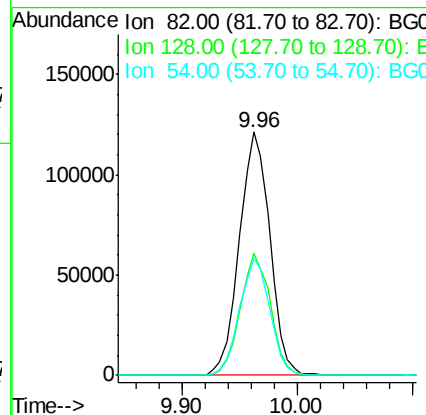
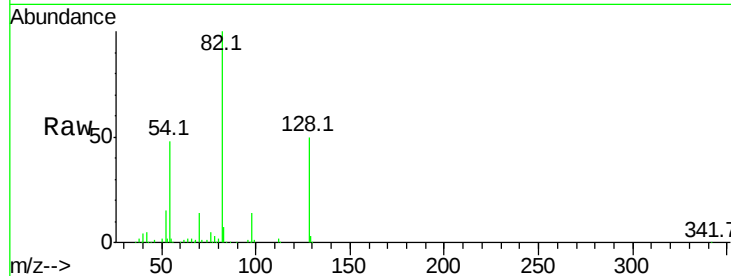




#23  
Nitrobenzene-d5  
Concen: 86.843 ng  
RT: 9.96 min Scan# 1136  
Delta R.T. -0.01 min  
Lab File: BG032043.D  
Acq: 15 Jan 2018 21:59

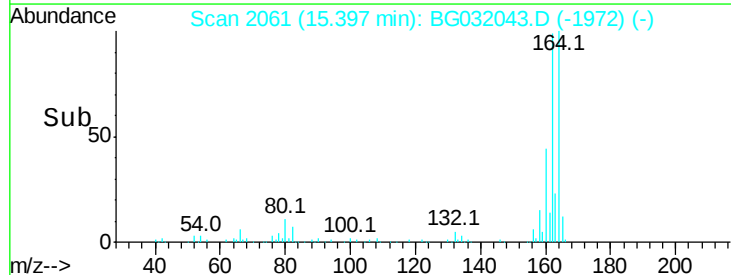
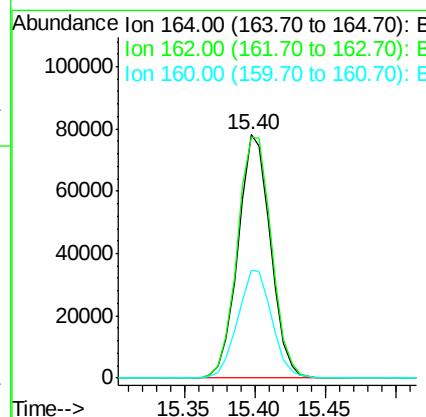
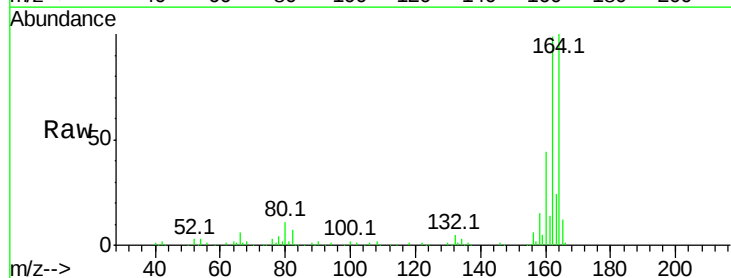
Instrument :  
BNA\_G  
ClientSampleId :

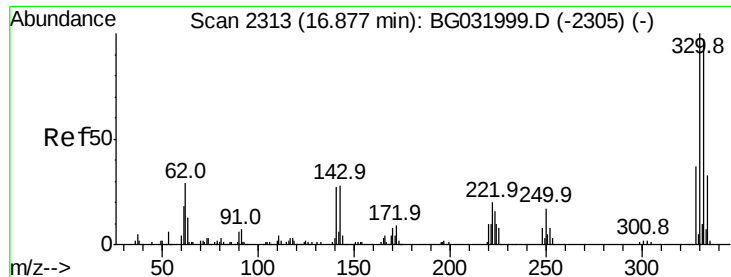
Tot Ion: 82 Resp: 222474  
Ion Ratio Lower Upper  
82 100  
128 50.2 29.7 44.5#  
54 47.9 43.1 64.7



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.40 min Scan# 2061  
Delta R.T. -0.01 min  
Lab File: BG032043.D  
Acq: 15 Jan 2018 21:59

Tgt Ion: 164 Resp: 125001  
Ion Ratio Lower Upper  
164 100  
162 98.9 78.8 118.2  
160 44.3 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 143.338 ng

RT: 16.87 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BG032043.D

Acq: 15 Jan 2018 21:59

Instrument :

BNA\_G

ClientSampleId :

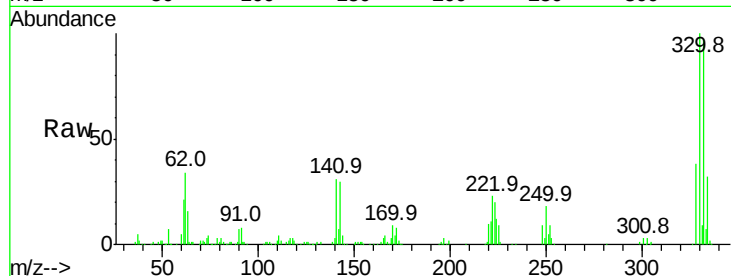
Tot Ion:330 Resp: 296492

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

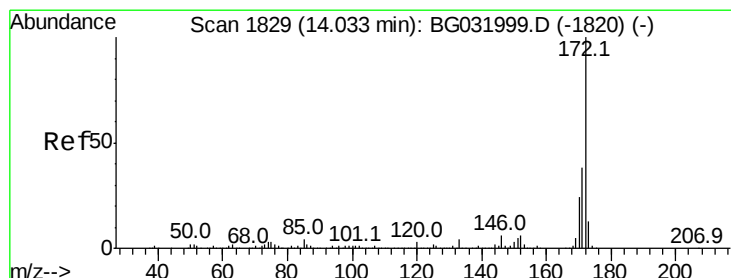
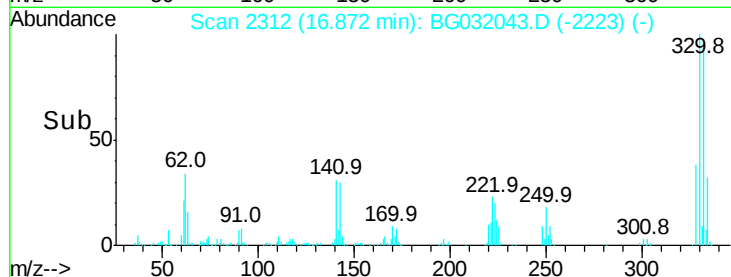
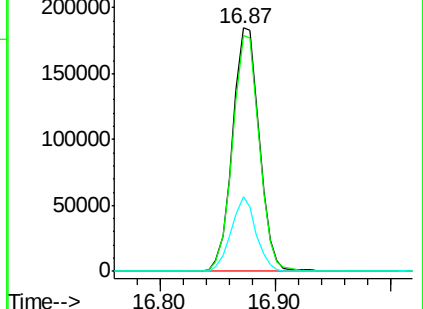
141 28.6 25.2 37.8



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: 72.360 ng

RT: 14.03 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BG032043.D

Acq: 15 Jan 2018 21:59

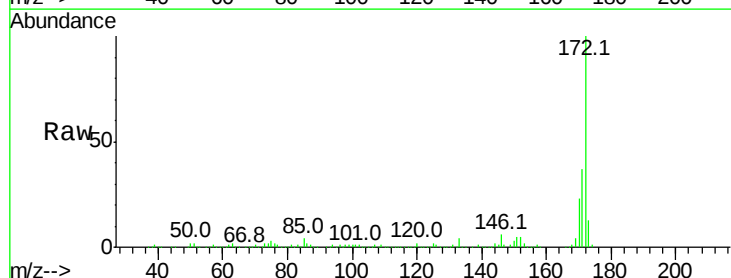
Tgt Ion:172 Resp: 729475

Ion Ratio Lower Upper

172 100

171 37.1 30.0 45.0

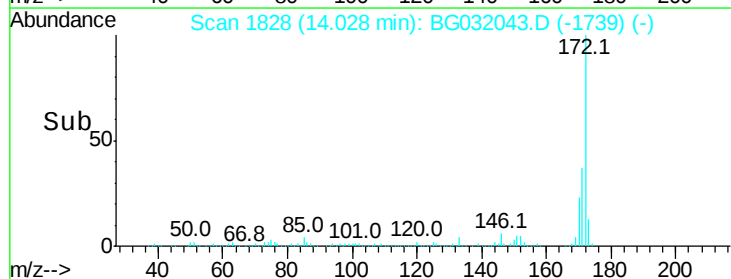
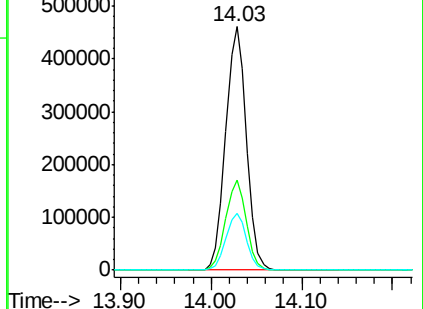
170 23.2 19.5 29.3

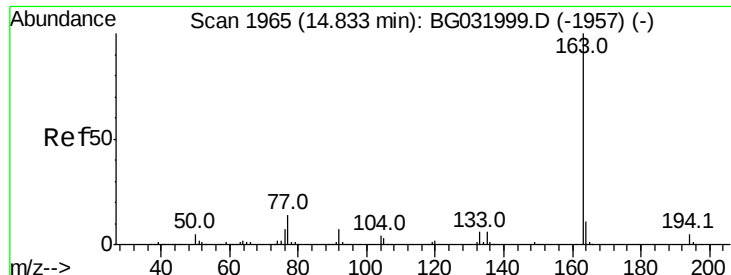


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 7.095 ng

RT: 14.82 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG032043.D

Acq: 15 Jan 2018 21:59

Instrument :

BNA\_G

ClientSampleId :

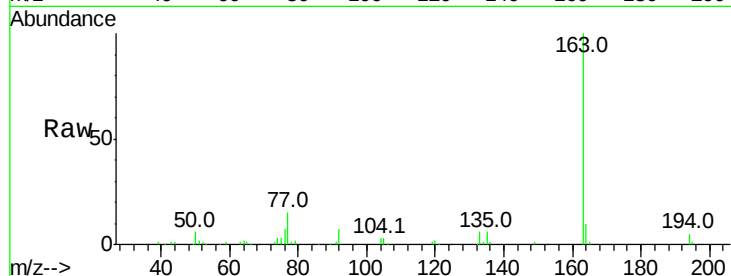
Tot Ion:163 Resp: 77615

Ion Ratio Lower Upper

163 100

194 5.2 3.4 5.2#

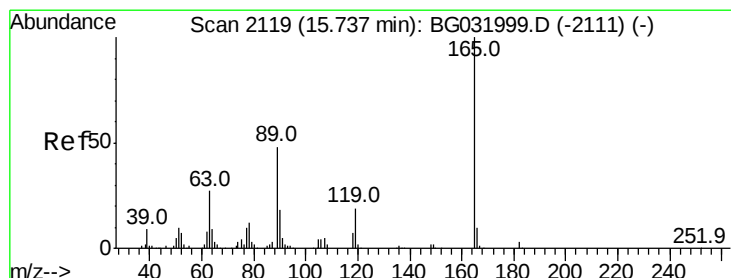
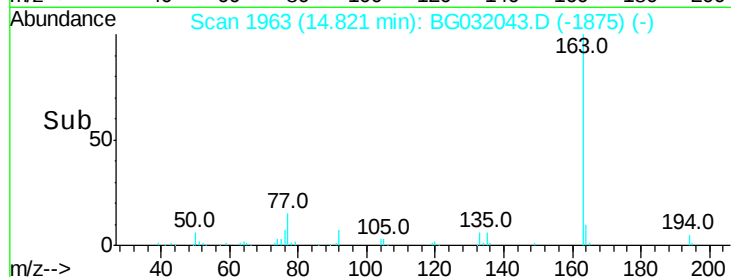
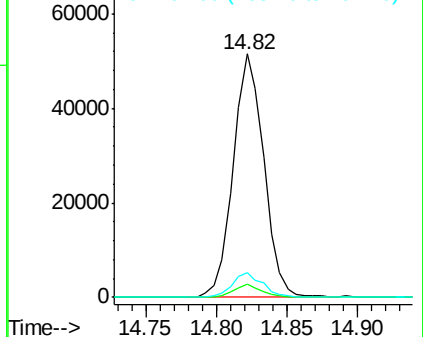
164 9.9 8.2 12.4



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



#56

2,4-Dinitrotoluene

Concen: 5.256 ng

RT: 15.40 min Scan# 2062

Delta R.T. -0.33 min

Lab File: BG032043.D

Acq: 15 Jan 2018 21:59

Tgt Ion:165 Resp: 16067

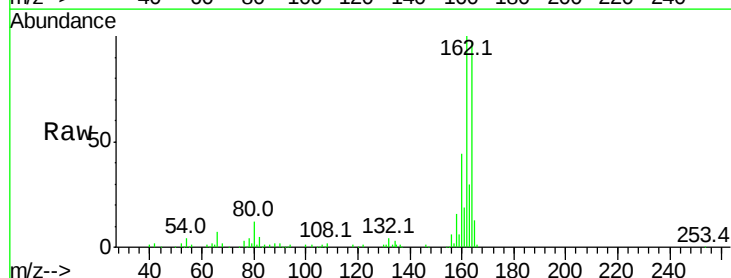
Ion Ratio Lower Upper

165 100

63 1.7 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

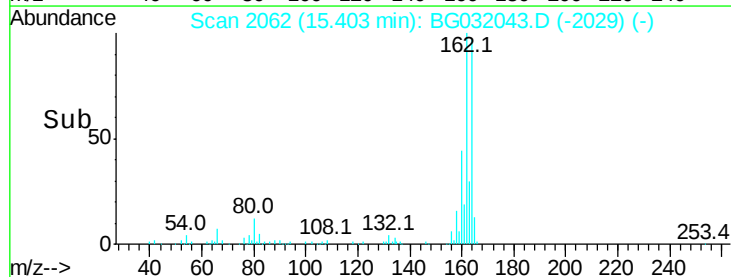
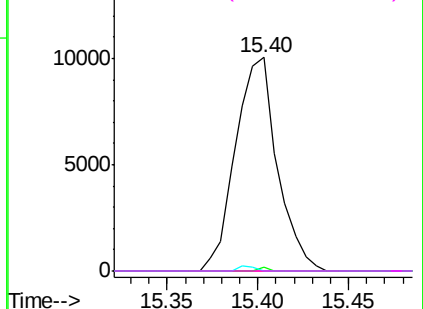


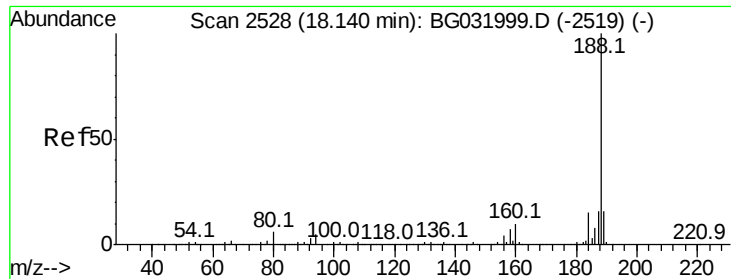
Abundance Ion 165.00 (164.70 to 165.70): E

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

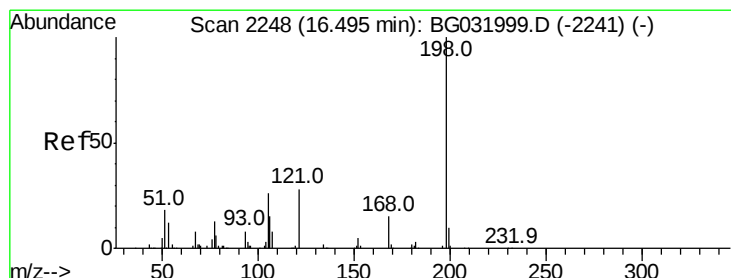
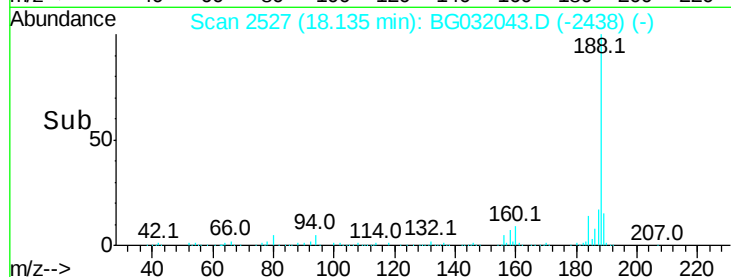
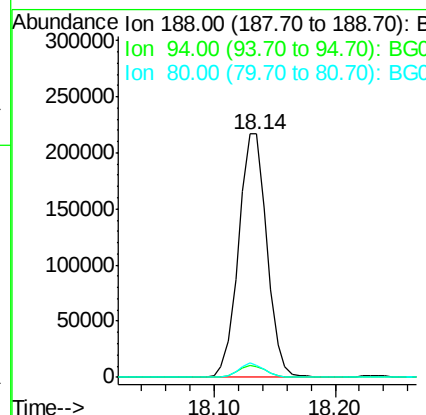
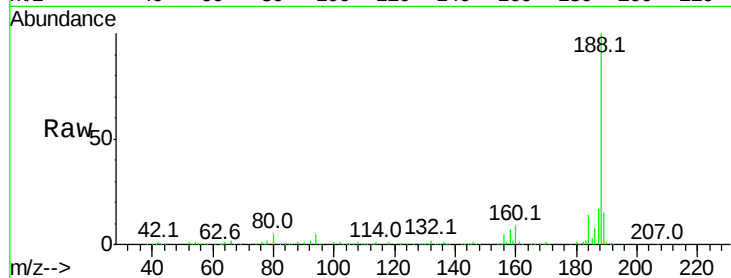




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.14 min Scan# 2527  
 Delta R.T. -0.01 min  
 Lab File: BG032043.D  
 Acq: 15 Jan 2018 21:59

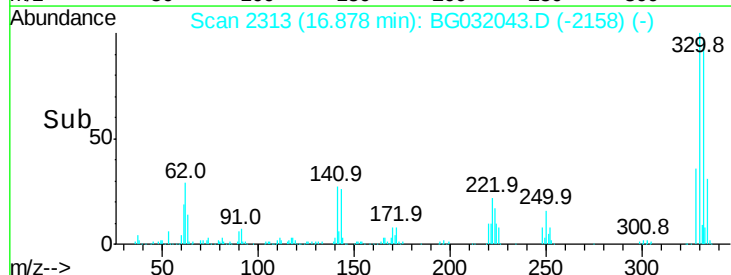
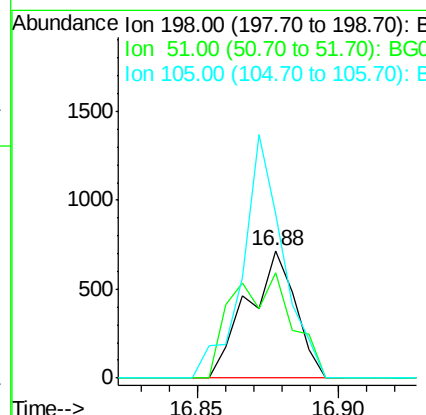
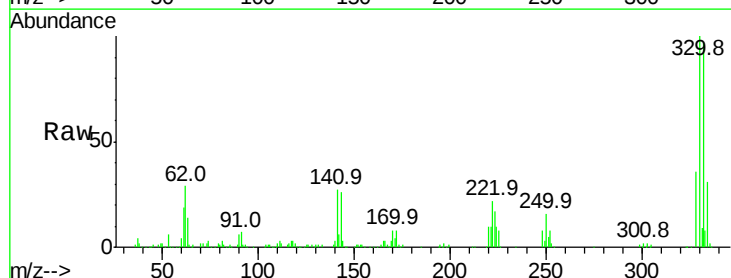
Instrument :  
 BNA\_G  
 ClientSampleId :

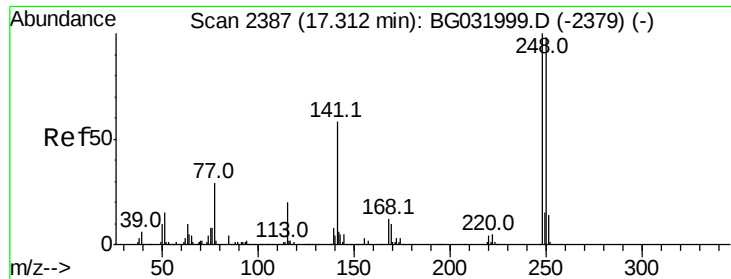
Tot Ion:188 Resp: 354711  
 Ion Ratio Lower Upper  
 188 100  
 94 4.6 6.9 10.3#  
 80 4.8 7.7 11.5#



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.218 ng  
 RT: 16.88 min Scan# 2313  
 Delta R.T. 0.38 min  
 Lab File: BG032043.D  
 Acq: 15 Jan 2018 21:59

Tgt Ion:198 Resp: 844  
 Ion Ratio Lower Upper  
 198 100  
 51 82.5 30.6 70.6#  
 105 128.7 23.8 63.8#

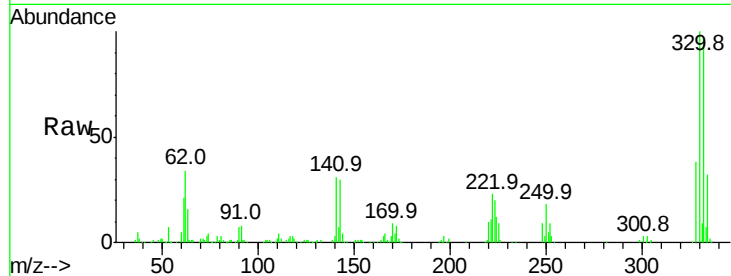




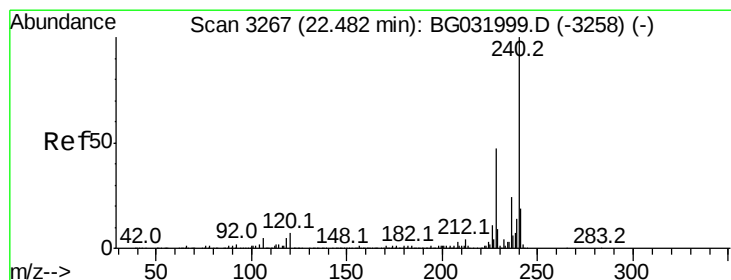
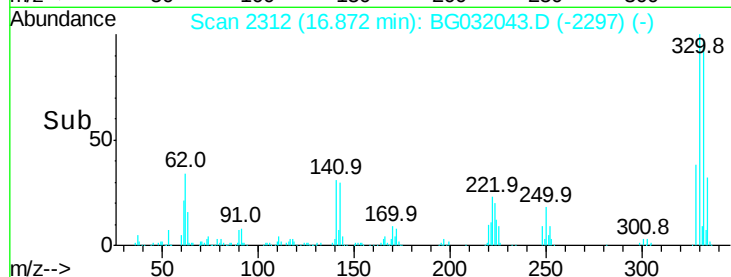
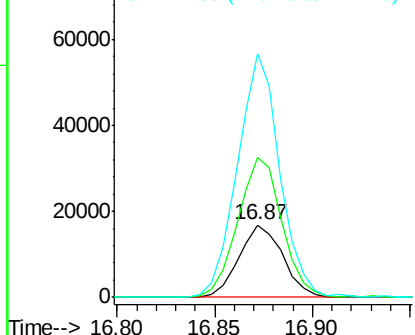
#66  
 4-Bromophenyl-phenylether  
 Concen: 5.157 ng  
 RT: 16.87 min Scan# 2312  
 Delta R.T. -0.44 min  
 Lab File: BG032043.D  
 Acq: 15 Jan 2018 21:59

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:248 Resp: 26025  
 Ion Ratio Lower Upper  
 248 100  
 250 193.6 77.1 115.7#  
 141 336.5 50.8 76.2#

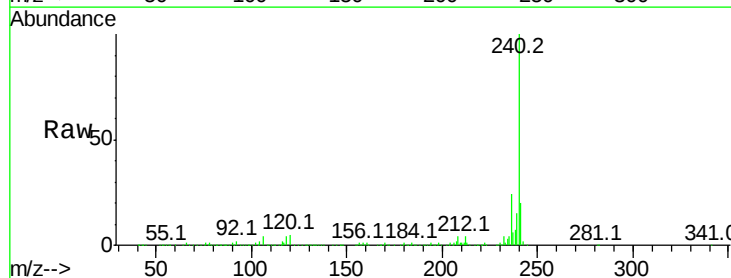


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

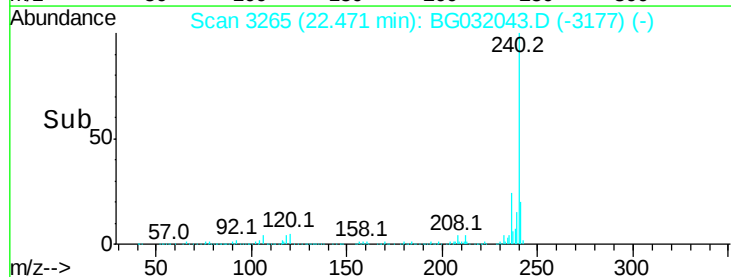
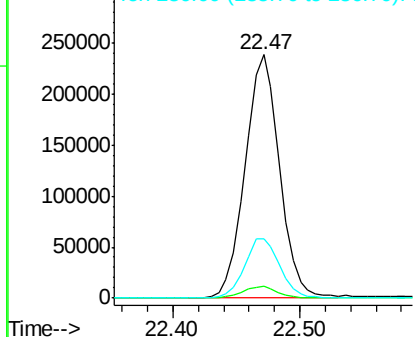


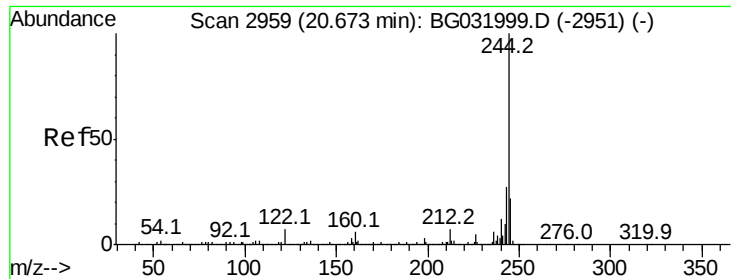
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 22.47 min Scan# 3265  
 Delta R.T. -0.01 min  
 Lab File: BG032043.D  
 Acq: 15 Jan 2018 21:59

Tgt Ion:240 Resp: 450901  
 Ion Ratio Lower Upper  
 240 100  
 120 4.9 6.8 10.2#  
 236 24.3 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: 73.439 ng

RT: 20.67 min Scan# 2958

Delta R.T. -0.01 min

Lab File: BG032043.D

Acq: 15 Jan 2018 21:59

Instrument :

BNA\_G

ClientSampleId :

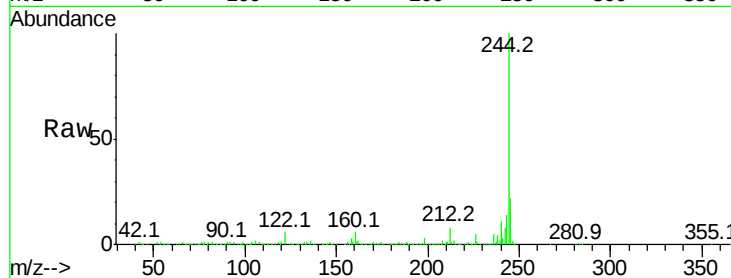
Tot Ion:244 Resp: 1499679

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

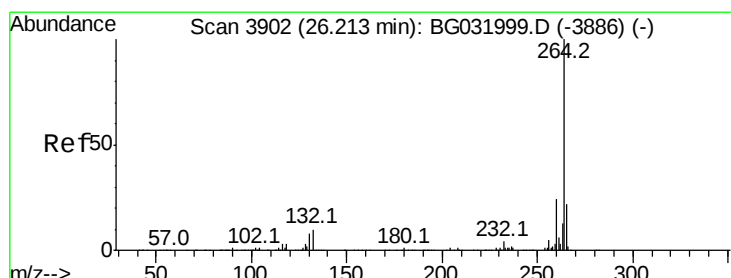
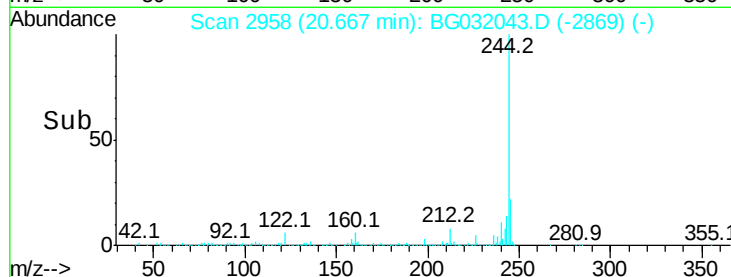
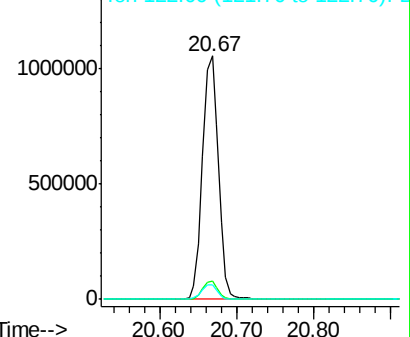
122 6.0 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.19 min Scan# 3898

Delta R.T. -0.02 min

Lab File: BG032043.D

Acq: 15 Jan 2018 21:59

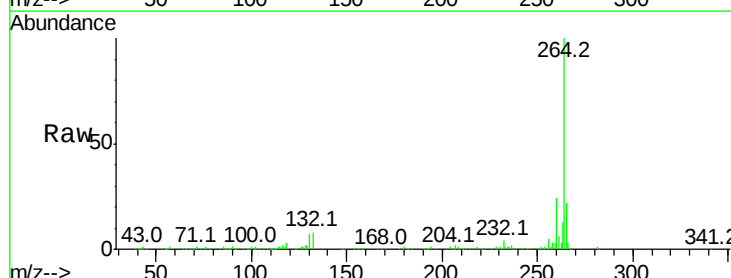
Tgt Ion:264 Resp: 466760

Ion Ratio Lower Upper

264 100

260 23.8 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

