

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010918\  
 Data File : BG031955.D  
 Acq On : 9 Jan 2018 20:49  
 Operator : SJ/JU  
 Sample : J1050-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 10 00:26:04 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 05 15:31:34 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.78  | 152  | 58049    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.67 | 136  | 253634   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.41 | 164  | 177351   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 18.14 | 188  | 449705   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 22.48 | 240  | 527060   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12          | 26.21 | 264  | 514938   | 20.00 | ng    | -0.09    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 6.21  | 112  | 378623   | 118.80 | ng    | 0.00     |
| 7) Phenol-d6                | 7.89  | 99   | 495189   | 119.67 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.98  | 82   | 278436   | 82.90  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.88 | 330  | 331973   | 122.67 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 14.04 | 172  | 931367   | 65.91  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.67 | 244  | 1579237  | 68.46  | ng    | -0.03    |

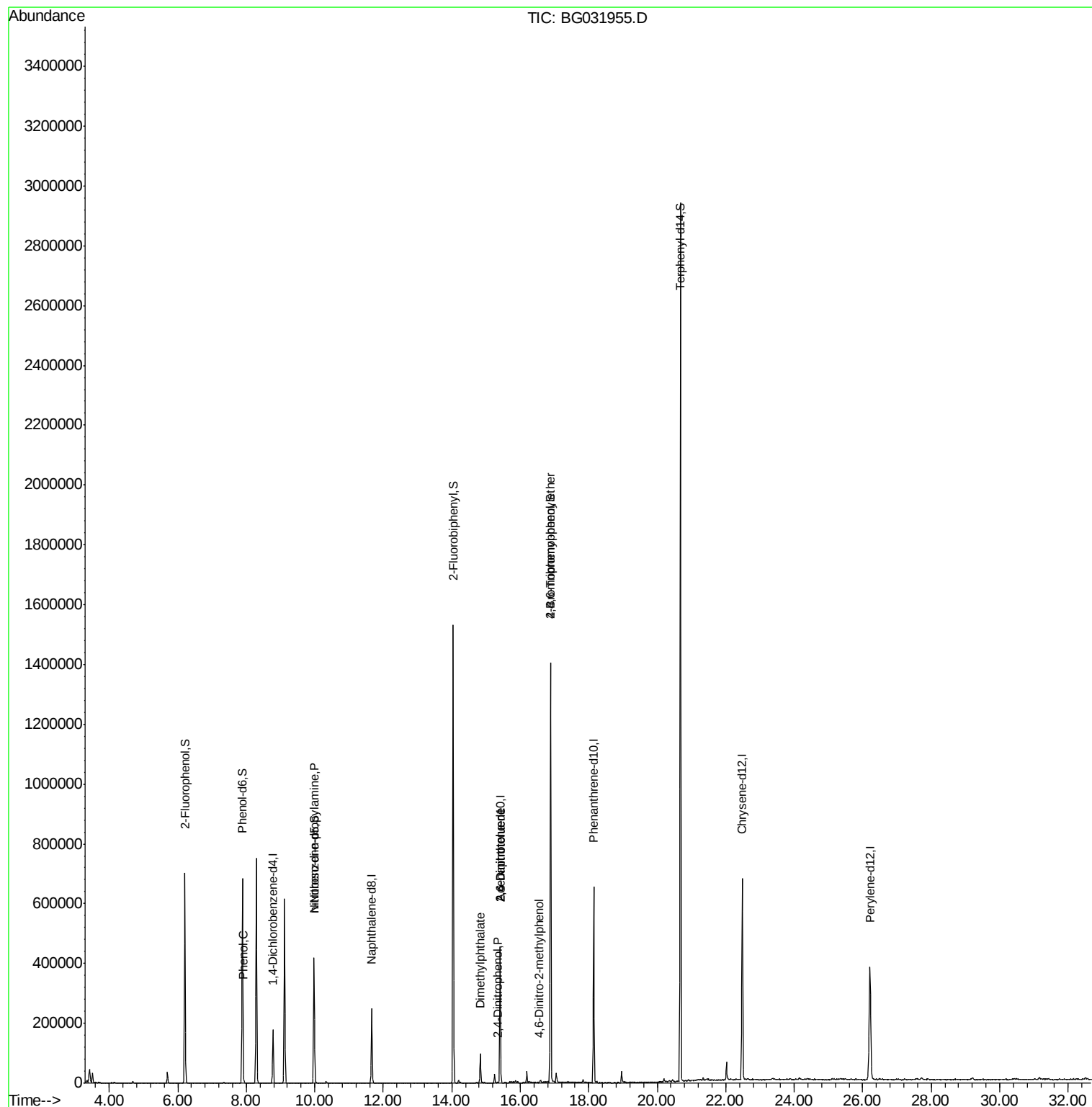
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 10) Phenol                     | 7.91  | 94   | 21067    | 5.043  | ng    | 91     |
| 19) n-Nitroso-di-n-propylamine | 9.98  | 70   | 37295    | 13.197 | ng    | # 71   |
| 49) Dimethylphthalate          | 14.83 | 163  | 72330    | 4.629  | ng    | 99     |
| 50) 2,6-Dinitrotoluene         | 15.41 | 165  | 22295    | 7.757  | ng    | # 19   |
| 53) 2,4-Dinitrophenol          | 15.33 | 184  | 90       | 7.700  | ng    | # 1    |
| 56) 2,4-Dinitrotoluene         | 15.41 | 165  | 22295    | 6.032  | ng    | # 17   |
| 64) 4,6-Dinitro-2-methylphenol | 16.54 | 198  | 63       | 8.330  | ng    | # 29   |
| 66) 4-Bromophenyl-phenylether  | 16.88 | 248  | 27602    | 4.245  | ng    | # 1    |

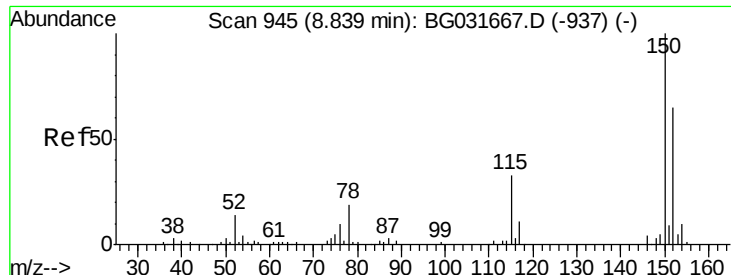
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



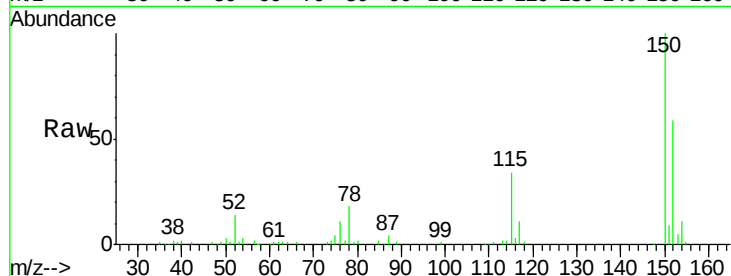


#1

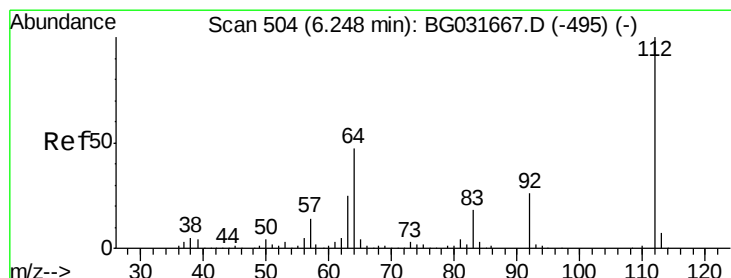
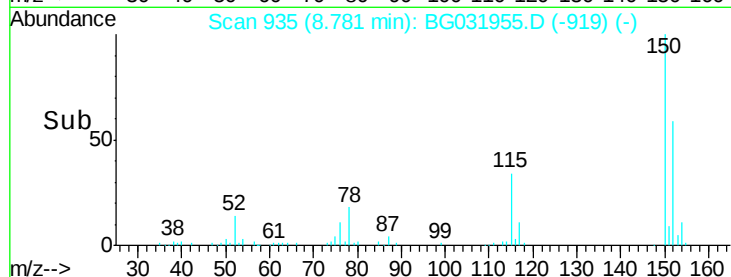
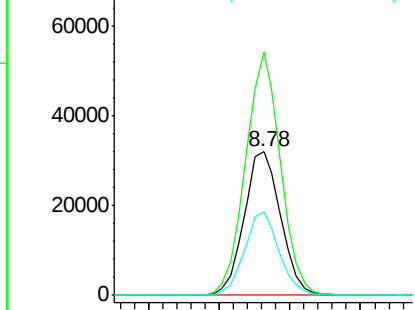
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.78 min Scan# 935  
Delta R.T. -0.01 min  
Lab File: BG031955.D  
Acq: 9 Jan 2018 20:49

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 169.5 | 126.6 | 189.8 |
| 115     | 58.3  | 53.0  | 79.4  |



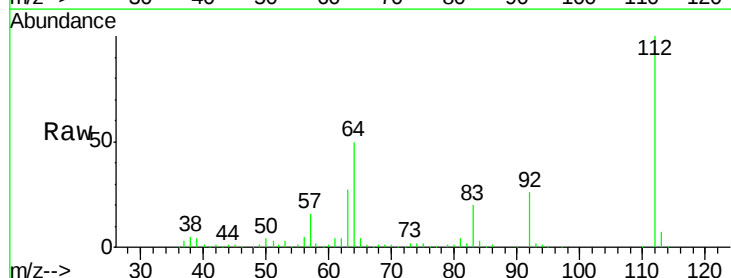
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



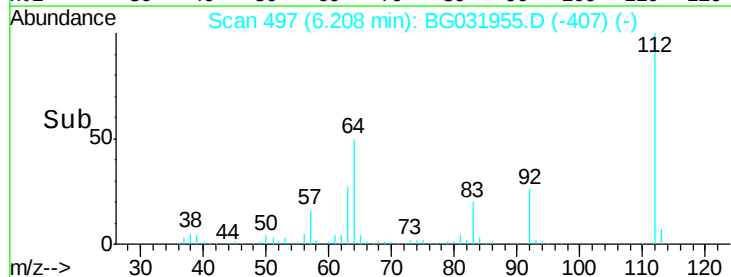
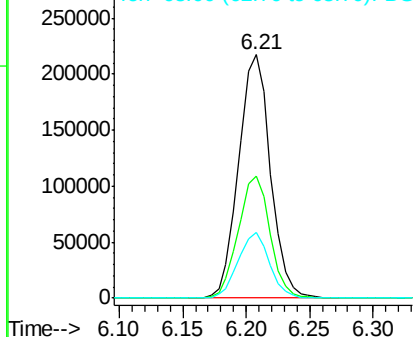
#5

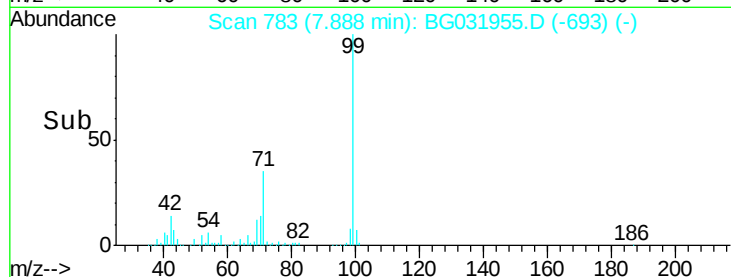
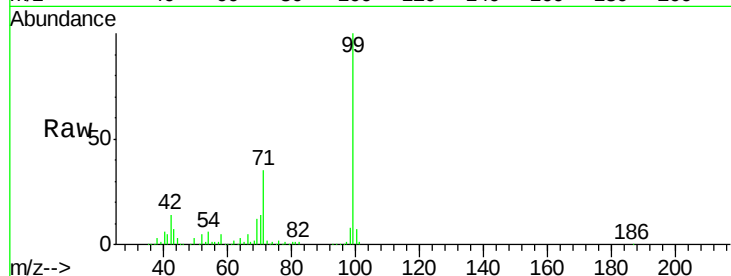
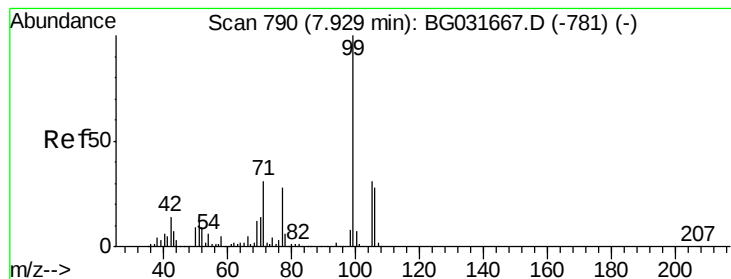
2-Fluorophenol  
Concen: 118.799 ng  
RT: 6.21 min Scan# 497  
Delta R.T. -0.00 min  
Lab File: BG031955.D  
Acq: 9 Jan 2018 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 50.2  | 56.3  | 84.5# |
| 63      | 27.1  | 30.1  | 45.1# |



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





#7

Phenol-d6

Concen: 119.672 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG031955.D

Acq: 9 Jan 2018 20:49

Instrument :

BNA\_G

ClientSampleId :

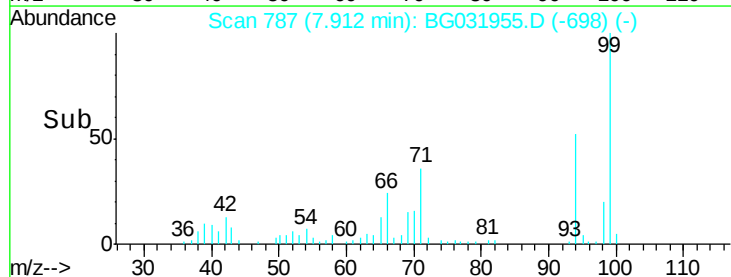
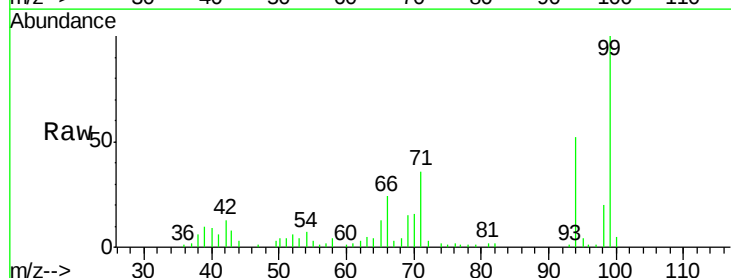
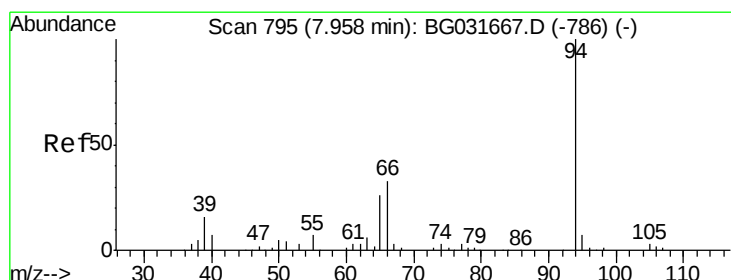
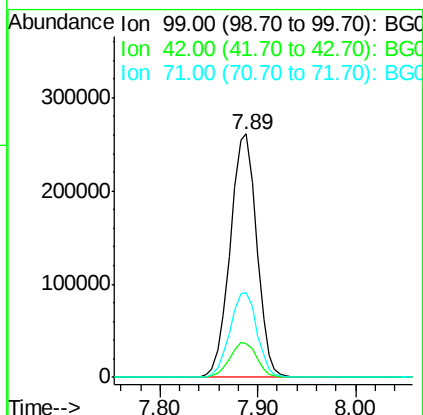
Tot Ion: 99 Resp: 495189

Ion Ratio Lower Upper

99 100

42 14.0 14.1 21.1#

71 34.8 26.1 39.1



#10

Phenol

Concen: 5.043 ng

RT: 7.91 min Scan# 787

Delta R.T. -0.01 min

Lab File: BG031955.D

Acq: 9 Jan 2018 20:49

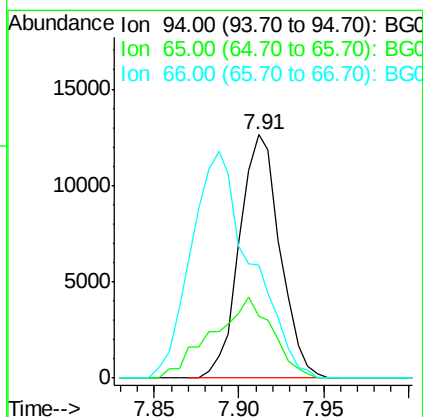
Tgt Ion: 94 Resp: 21067

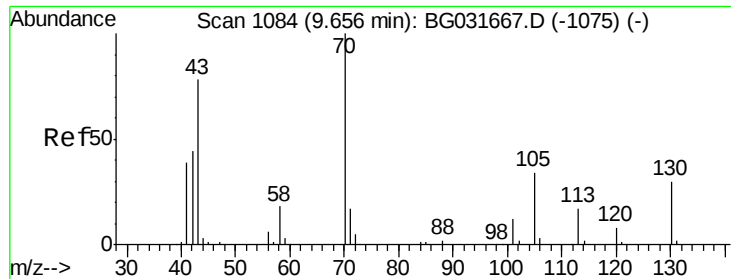
Ion Ratio Lower Upper

94 100

65 25.2 11.9 51.9

66 46.7 22.2 62.2

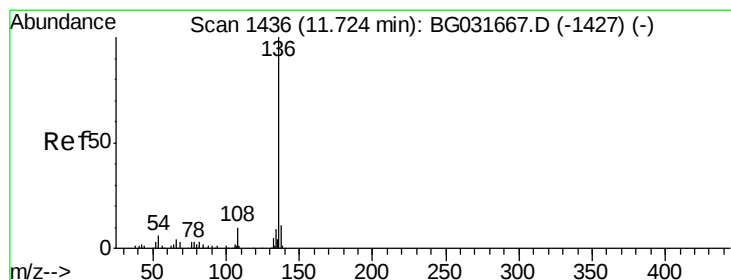
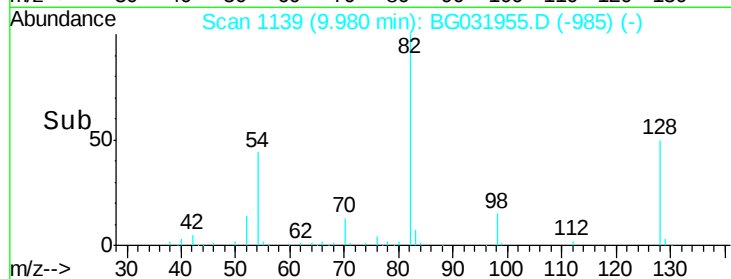
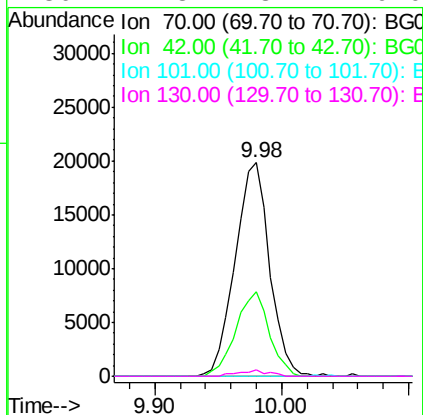
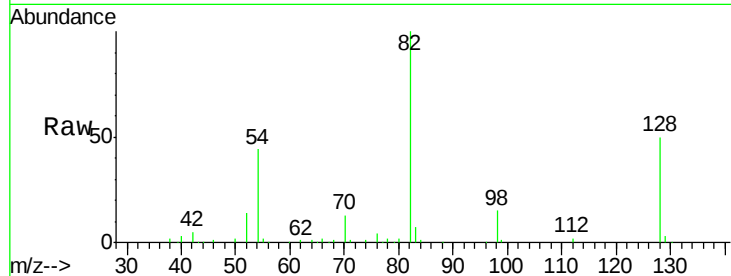




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.197 ng  
RT: 9.98 min Scan# 1139  
Delta R.T. 0.37 min  
Lab File: BG031955.D  
Acq: 9 Jan 2018 20:49

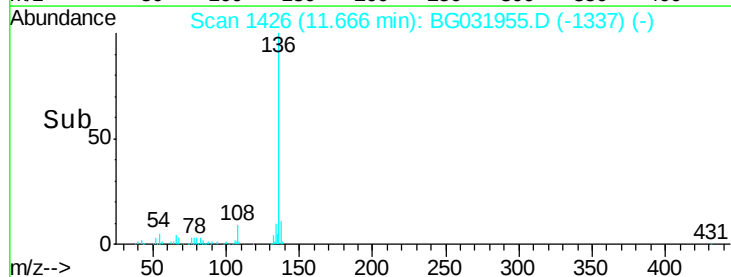
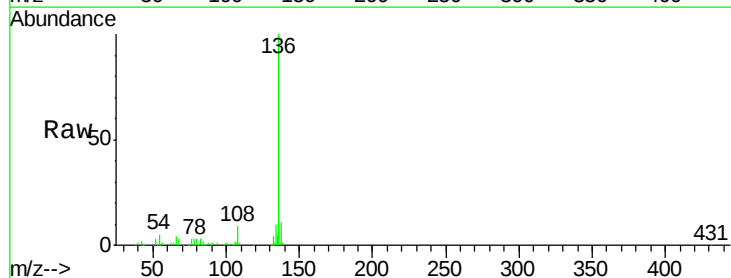
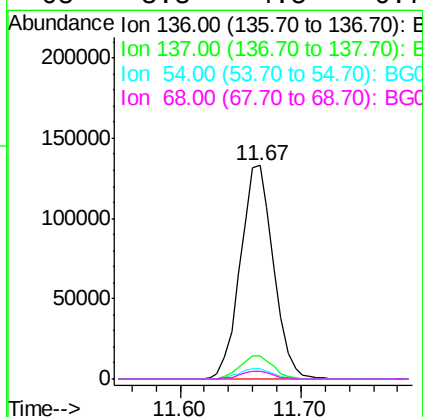
Instrument :  
BNA\_G  
ClientSampleId :

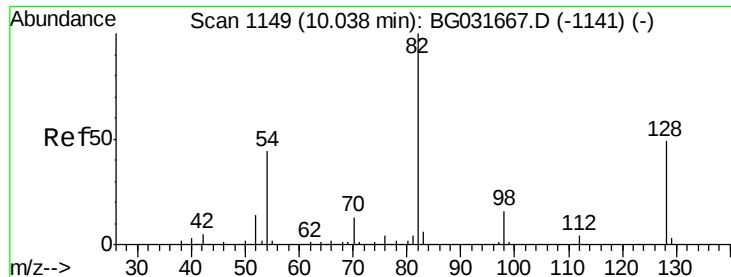
Tot Ion: 70 Resp: 37295  
Ion Ratio Lower Upper  
70 100  
42 39.5 49.1 73.7#  
101 0.0 8.5 12.7#  
130 2.8 13.4 20.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.67 min Scan# 1426  
Delta R.T. -0.01 min  
Lab File: BG031955.D  
Acq: 9 Jan 2018 20:49

Tgt Ion:136 Resp: 253634  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.2 13.8  
54 4.9 10.3 15.5#  
68 3.3 4.5 6.7#

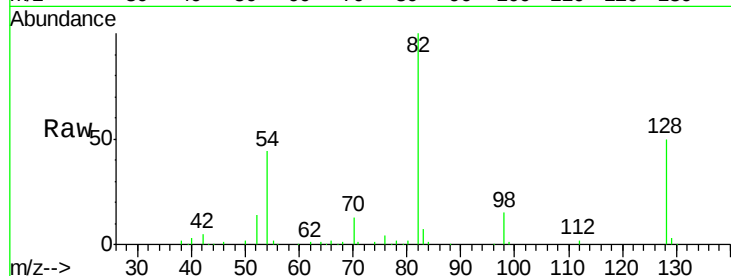




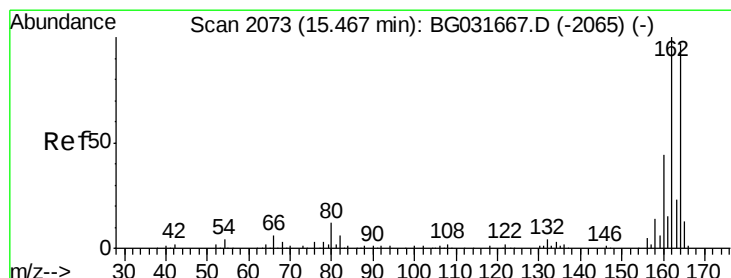
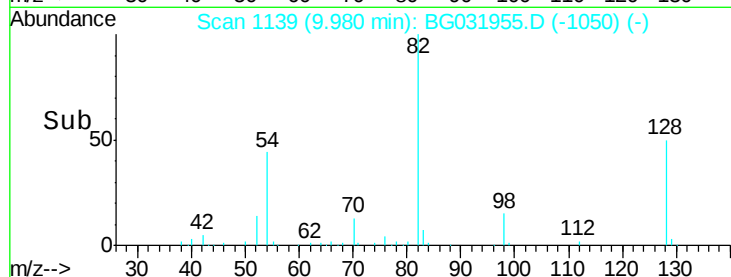
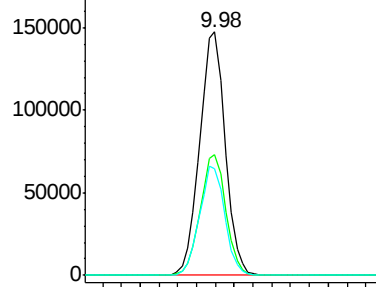
#23  
Nitrobenzene-d5  
Concen: 82.896 ng  
RT: 9.98 min Scan# 1139  
Delta R.T. -0.01 min  
Lab File: BG031955.D  
Acq: 9 Jan 2018 20:49

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion   | 82    | Resp  | 278436 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 49.8  | 29.7  | 44.5#  |
| 54        | 43.8  | 43.1  | 64.7   |

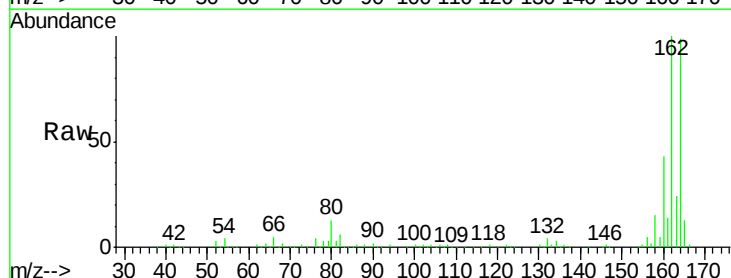


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

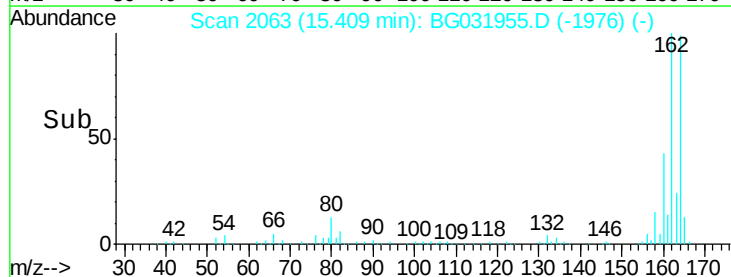
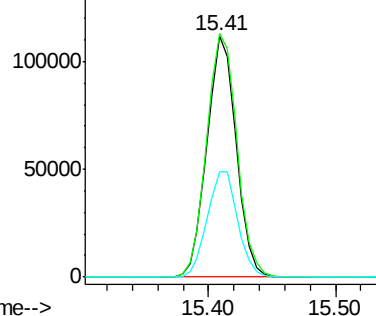


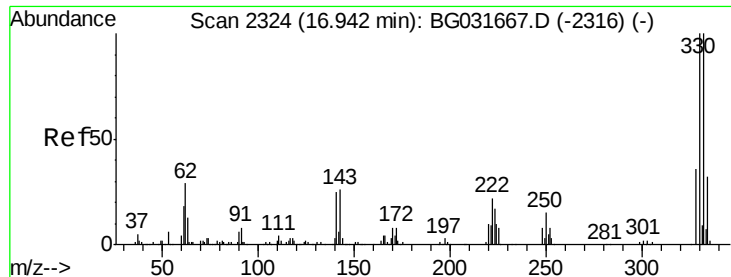
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.41 min Scan# 2063  
Delta R.T. -0.02 min  
Lab File: BG031955.D  
Acq: 9 Jan 2018 20:49

| Tgt Ion   | 164   | Resp  | 177351 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.8 | 78.8  | 118.2  |
| 160       | 43.8  | 35.4  | 53.0   |



Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 122.674 ng

RT: 16.88 min Scan# 2314

Delta R.T. -0.02 min

Lab File: BG031955.D

Acq: 9 Jan 2018 20:49

Instrument :

BNA\_G

ClientSampleId :

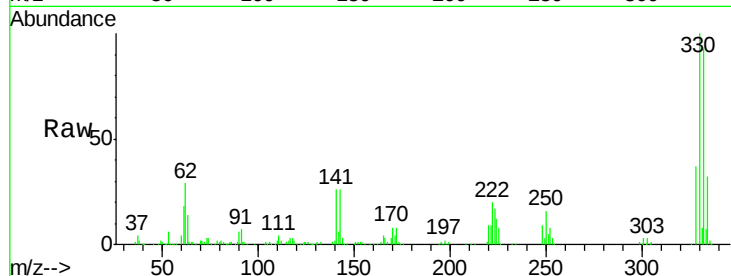
Tot Ion:330 Resp: 331973

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

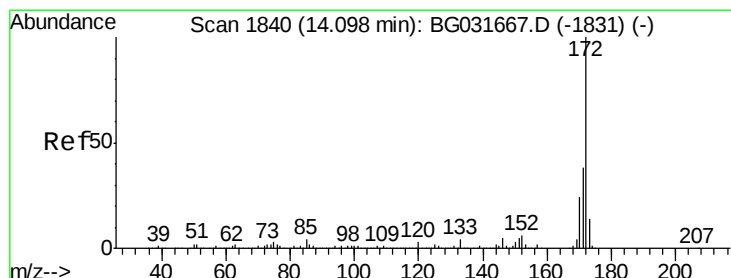
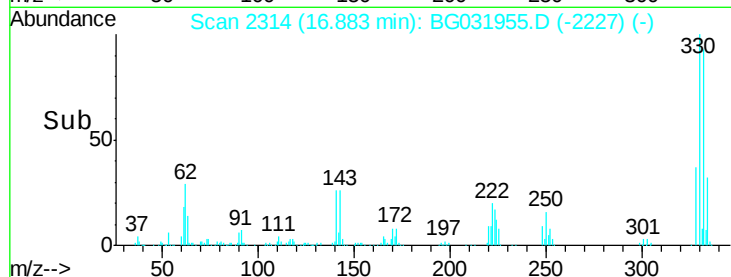
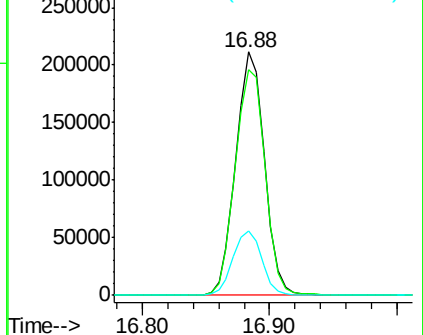
141 26.5 25.2 37.8



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: 65.914 ng

RT: 14.04 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BG031955.D

Acq: 9 Jan 2018 20:49

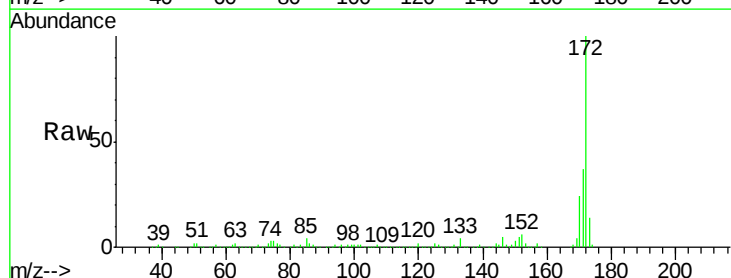
Tgt Ion:172 Resp: 931367

Ion Ratio Lower Upper

172 100

171 37.2 30.0 45.0

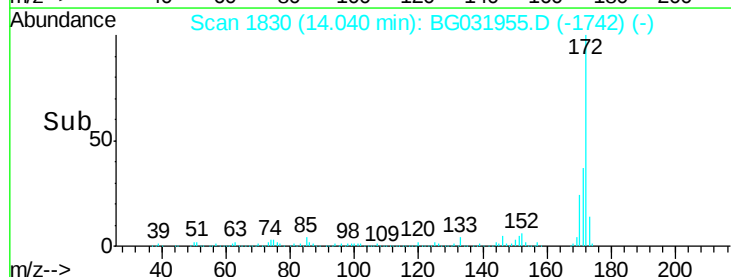
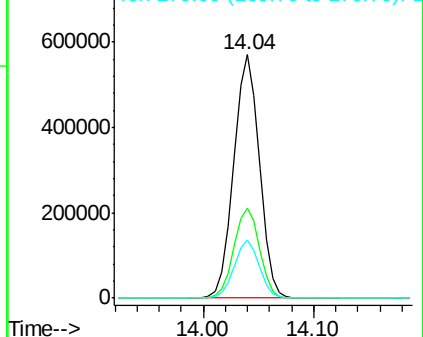
170 24.0 19.5 29.3

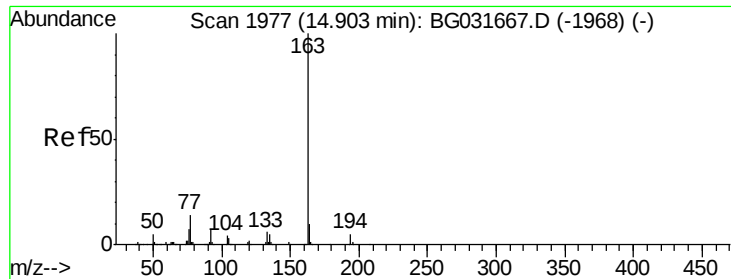


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

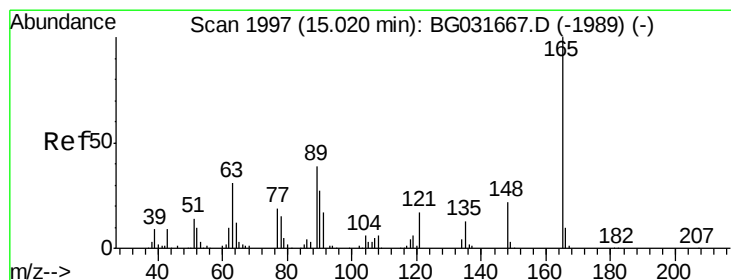
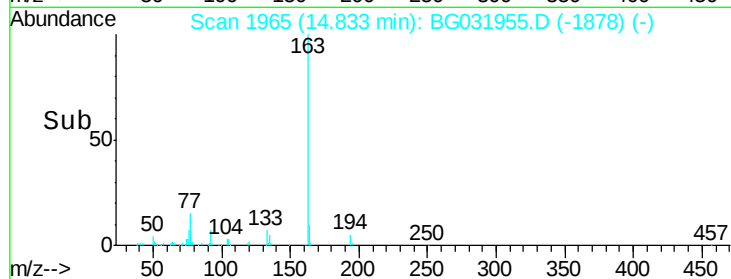
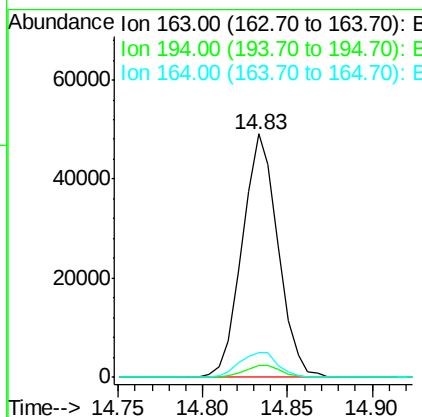
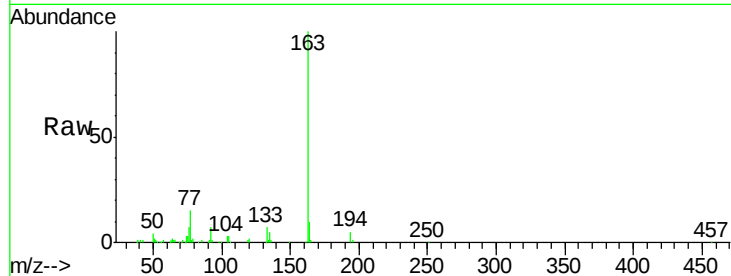




#49  
Dimethylphthalate  
Concen: 4.629 ng  
RT: 14.83 min Scan# 1965  
Delta R.T. -0.02 min  
Lab File: BG031955.D  
Acq: 9 Jan 2018 20:49

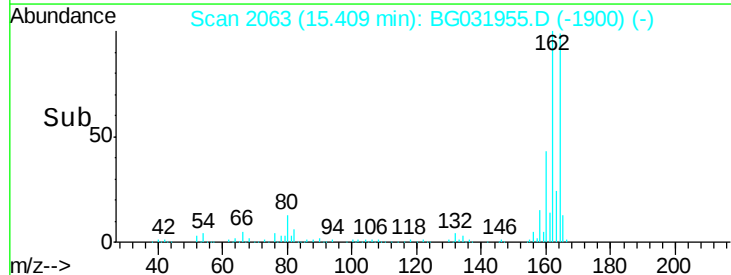
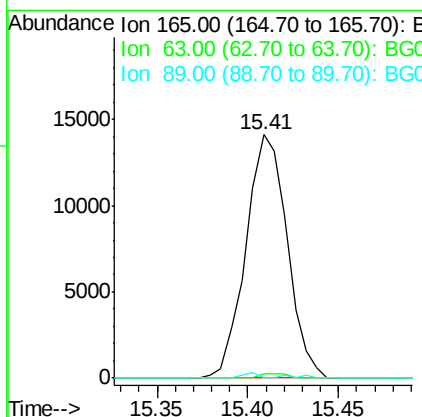
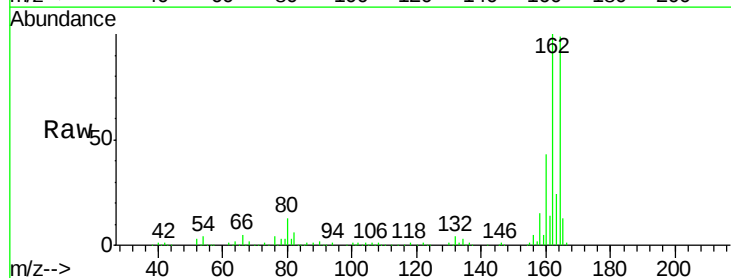
Instrument :  
BNA\_G  
ClientSampleId :

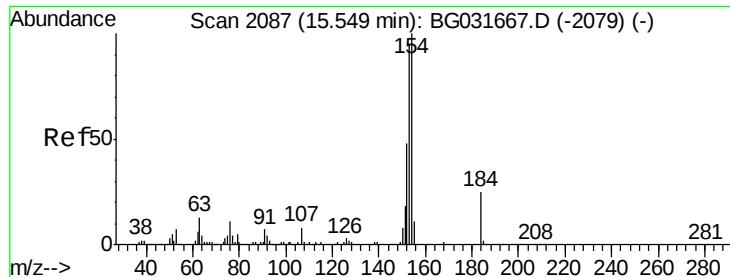
Tot Ion:163 Resp: 72330  
Ion Ratio Lower Upper  
163 100  
194 4.7 3.4 5.2  
164 10.2 8.2 12.4



#50  
2,6-Dinitrotoluene  
Concen: 7.757 ng  
RT: 15.41 min Scan# 2063  
Delta R.T. 0.43 min  
Lab File: BG031955.D  
Acq: 9 Jan 2018 20:49

Tgt Ion:165 Resp: 22295  
Ion Ratio Lower Upper  
165 100  
63 1.6 52.7 79.1#  
89 0.0 49.2 73.8#

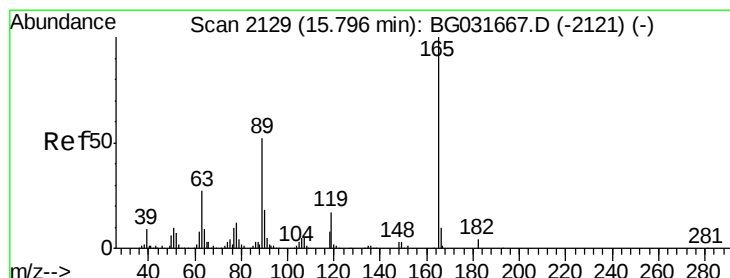
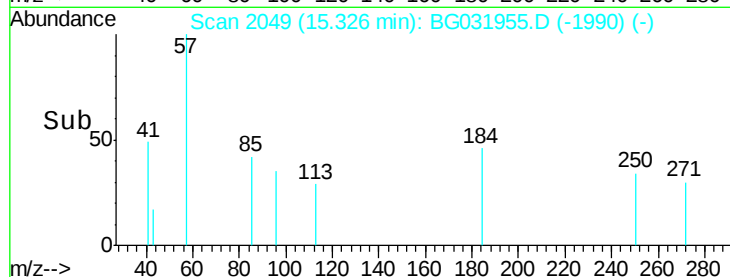
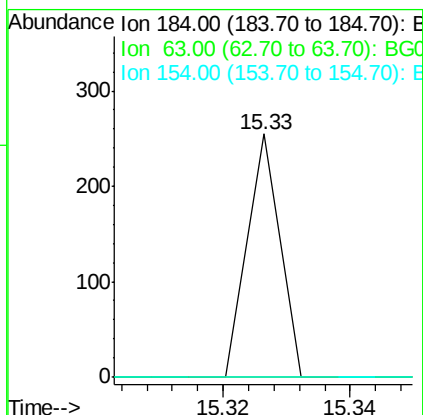
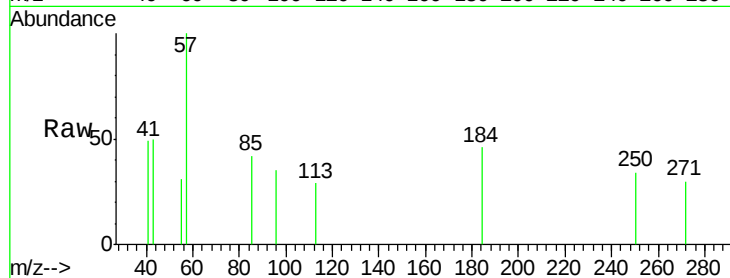




#53  
2,4-Dinitrophenol  
Concen: 7.700 ng  
RT: 15.33 min Scan# 2049  
Delta R.T. -0.18 min  
Lab File: BG031955.D  
Acq: 9 Jan 2018 20:49

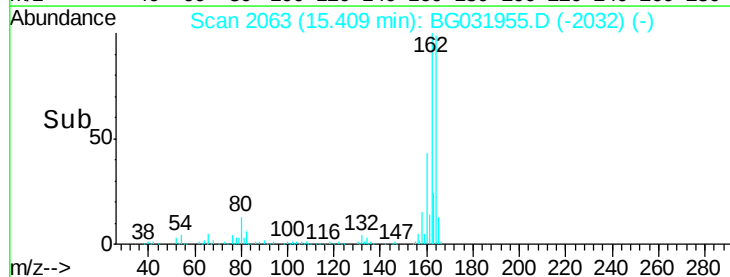
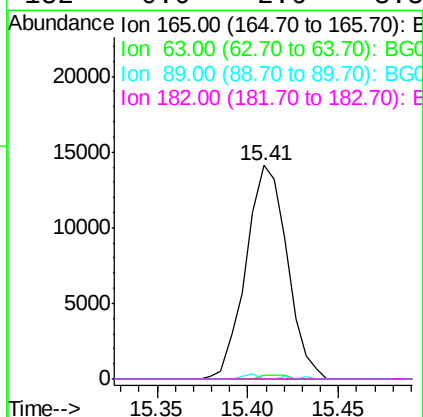
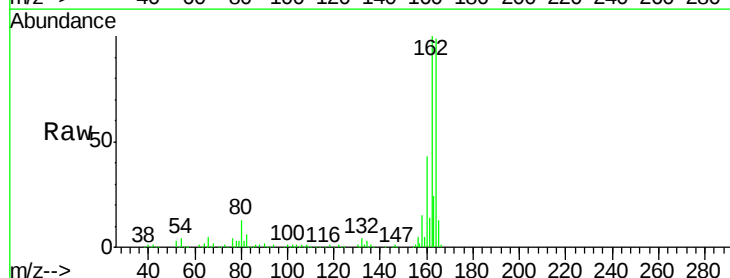
Instrument :  
BNA\_G  
ClientSampleId :

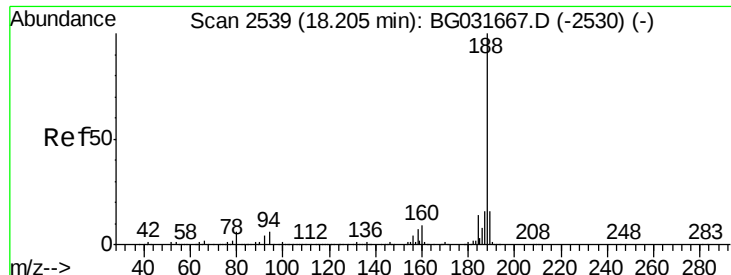
Tot Ion:184 Resp: 90  
Ion Ratio Lower Upper  
184 100  
63 0.0 59.8 89.8#  
154 0.0 101.8 152.8#



#56  
2,4-Dinitrotoluene  
Concen: 6.032 ng  
RT: 15.41 min Scan# 2063  
Delta R.T. -0.35 min  
Lab File: BG031955.D  
Acq: 9 Jan 2018 20:49

Tgt Ion:165 Resp: 22295  
Ion Ratio Lower Upper  
165 100  
63 1.6 42.0 63.0#  
89 0.0 66.9 100.3#  
182 0.0 2.6 3.8#

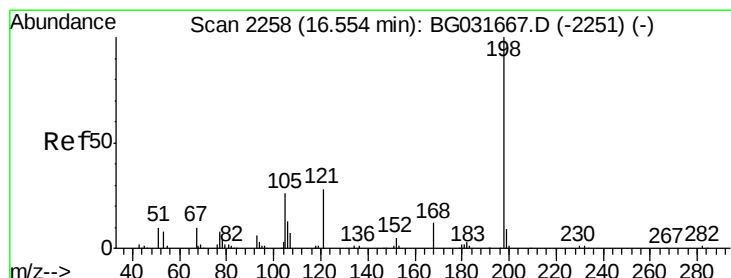
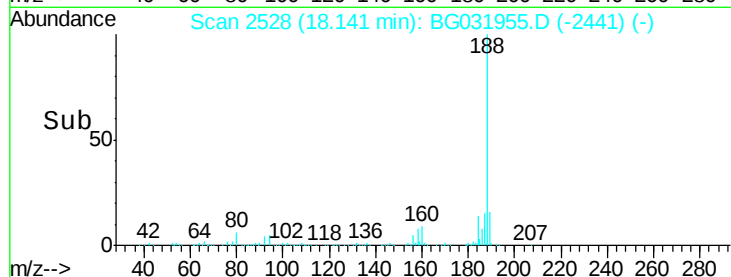
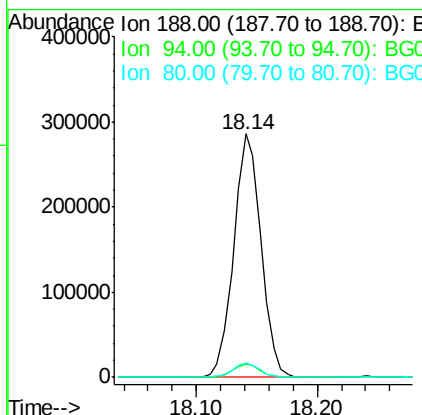
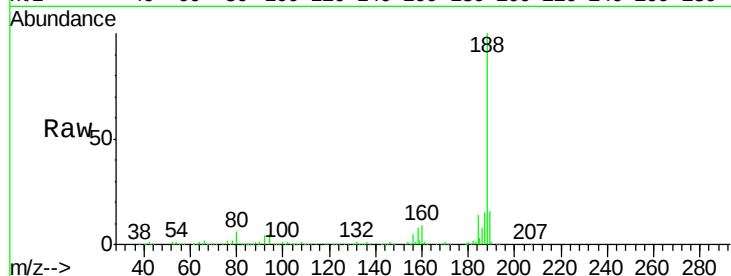




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.14 min Scan# 2528  
Delta R.T. -0.02 min  
Lab File: BG031955.D  
Acq: 9 Jan 2018 20:49

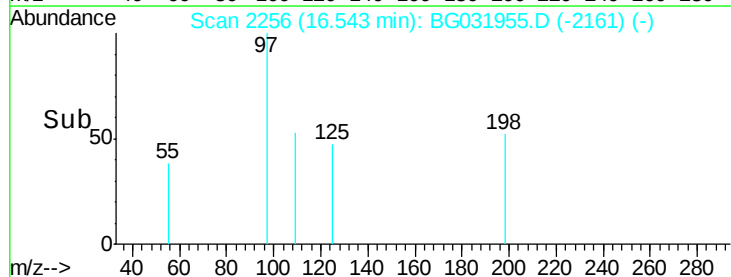
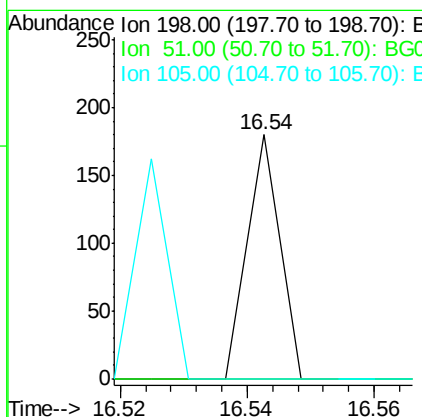
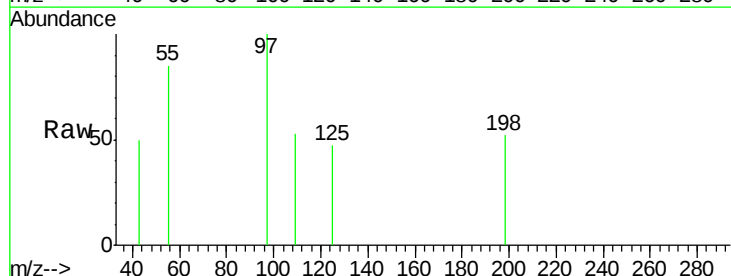
Instrument :  
BNA\_G  
ClientSampleId :

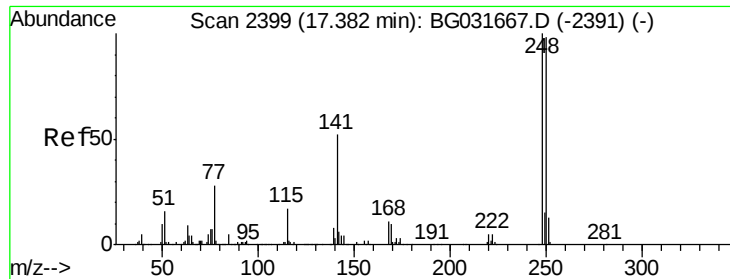
Tot Ion:188 Resp: 449705  
Ion Ratio Lower Upper  
188 100  
94 5.2 6.9 10.3#  
80 5.9 7.7 11.5#



#64  
4,6-Dinitro-2-methylphenol  
Concen: 8.330 ng  
RT: 16.54 min Scan# 2256  
Delta R.T. 0.03 min  
Lab File: BG031955.D  
Acq: 9 Jan 2018 20:49

Tgt Ion:198 Resp: 63  
Ion Ratio Lower Upper  
198 100  
51 0.0 30.6 70.6#  
105 0.0 23.8 63.8#

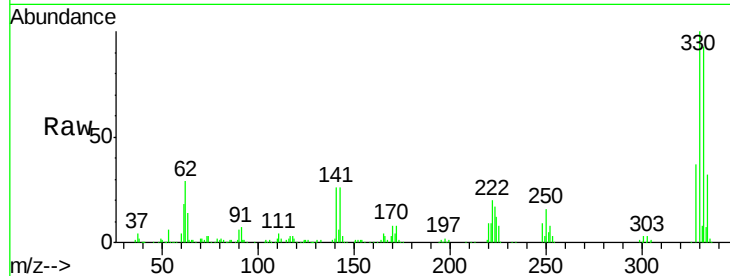




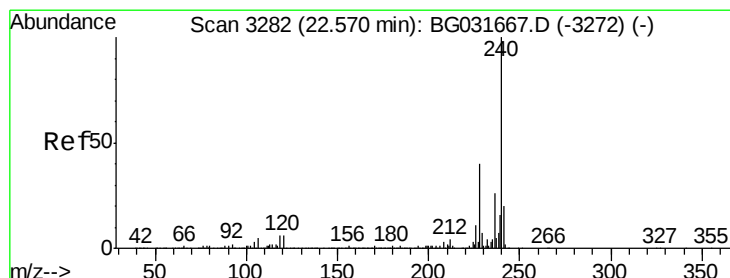
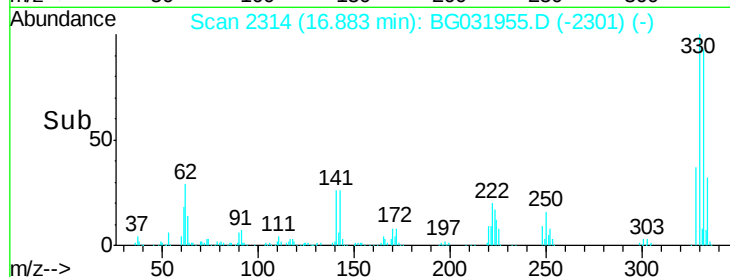
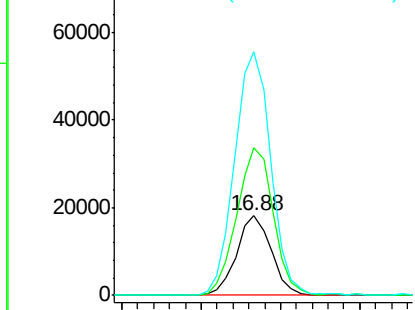
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.245 ng  
 RT: 16.88 min Scan# 2314  
 Delta R.T. -0.45 min  
 Lab File: BG031955.D  
 Acq: 9 Jan 2018 20:49

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:248 Resp: 27602  
 Ion Ratio Lower Upper  
 248 100  
 250 186.8 77.1 115.7#  
 141 307.3 50.8 76.2#

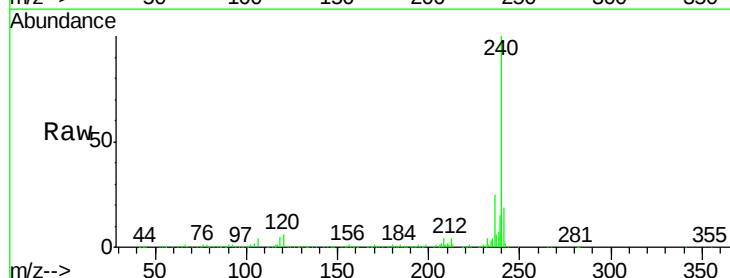


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

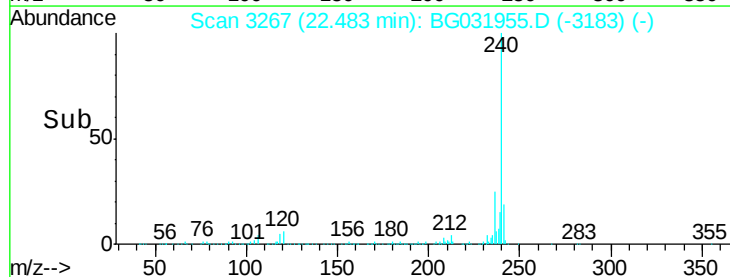
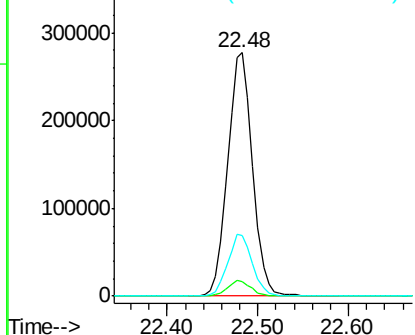


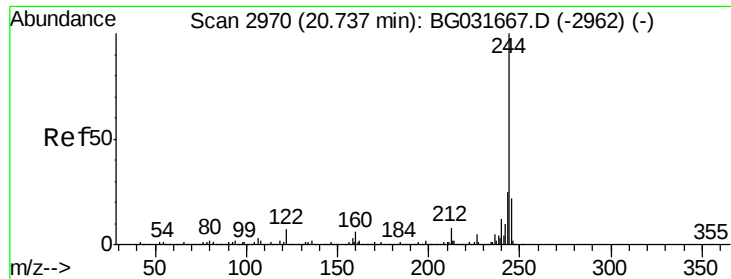
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 22.48 min Scan# 3267  
 Delta R.T. -0.04 min  
 Lab File: BG031955.D  
 Acq: 9 Jan 2018 20:49

Tgt Ion:240 Resp: 527060  
 Ion Ratio Lower Upper  
 240 100  
 120 5.8 6.8 10.2#  
 236 25.1 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: 68.455 ng

RT: 20.67 min Scan# 2959

Delta R.T. -0.03 min

Lab File: BG031955.D

Acq: 9 Jan 2018 20:49

Instrument :

BNA\_G

ClientSampleId :

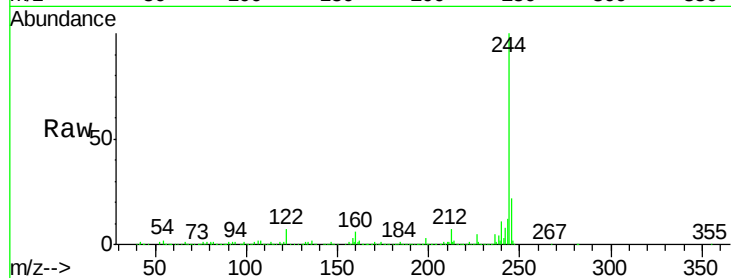
Tot Ion:244 Resp: 1579237

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

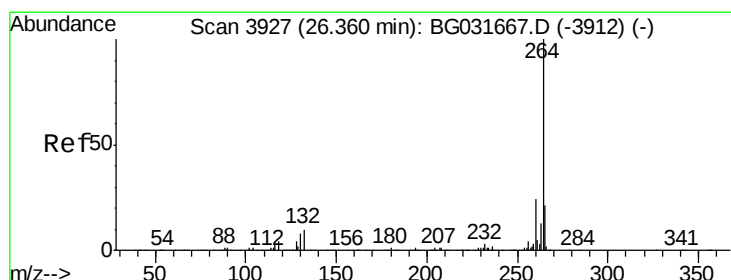
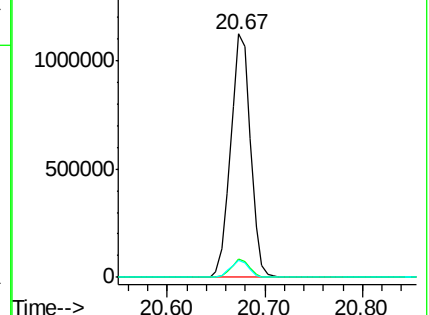
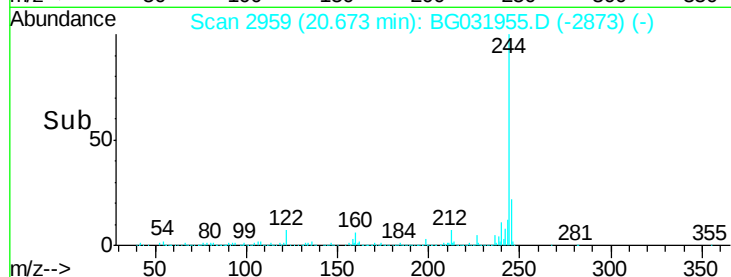
122 7.0 7.0 10.4



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: 26.21 min Scan# 3901

Delta R.T. -0.09 min

Lab File: BG031955.D

Acq: 9 Jan 2018 20:49

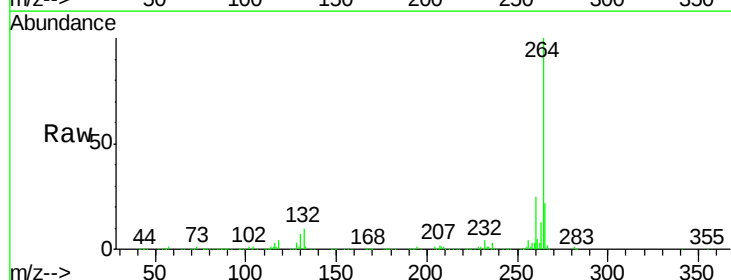
Tgt Ion:264 Resp: 514938

Ion Ratio Lower Upper

264 100

260 24.5 17.4 26.0

265 22.5 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

