

Data Path : U:\HPCHEM1\BNA N\DATA\BN020618\  
 Data File : BN000023.D  
 Acq On : 06 Feb 2018 09:36  
 Operator :  
 Sample : PB106290BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Feb 07 03:11:31 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 06 15:24:10 2018  
 Response via : Initial Calibration

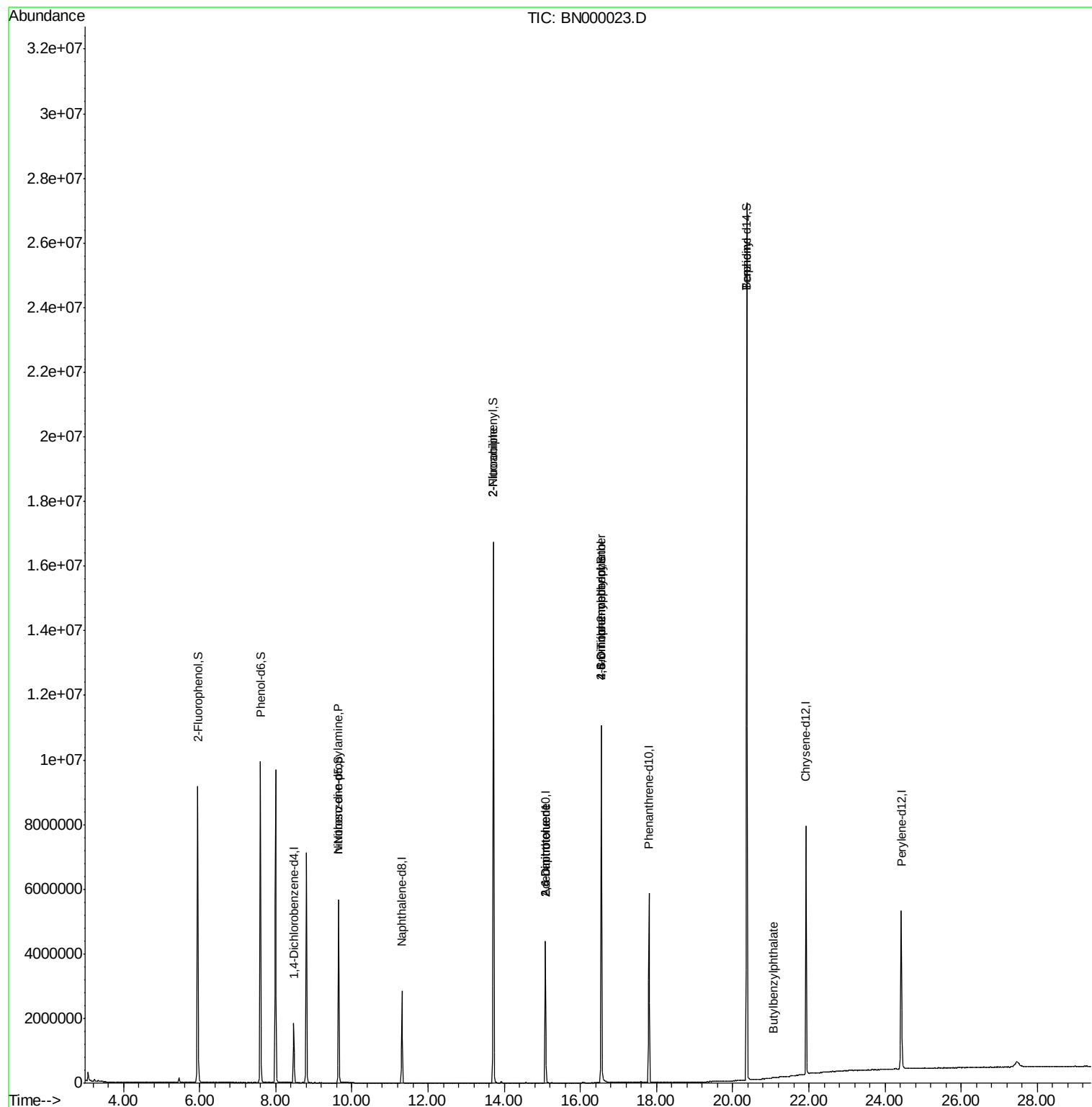
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|-----------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 8.48  | 152  | 507080   | 20.00     | ng    | -0.01      |
| 21) Naphthalene-d8             | 11.32 | 136  | 2384155  | 20.00     | ng    | -0.01      |
| 38) Acenaphthene-d10           | 15.08 | 164  | 1407241  | 20.00     | ng    | -0.01      |
| 63) Phenanthrene-d10           | 17.80 | 188  | 3258035  | 20.00     | ng    | 0.00       |
| 75) Chrysene-d12               | 21.93 | 240  | 3388904  | 20.00     | ng    | -0.02      |
| 86) Perylene-d12               | 24.43 | 264  | 3546975  | 20.00     | ng    | -0.03      |
| System Monitoring Compounds    |       |      |          |           |       |            |
| 5) 2-Fluorophenol              | 5.95  | 112  | 4752967  | 138.20    | ng    | 0.00       |
| 7) Phenol-d6                   | 7.60  | 99   | 6469926  | 123.85    | ng    | 0.00       |
| 23) Nitrobenzene-d5            | 9.65  | 82   | 3360958  | 85.24     | ng    | -0.01      |
| 41) 2,4,6-Tribromophenol       | 16.55 | 330  | 1675953  | 118.47    | ng    | 0.00       |
| 44) 2-Fluorobiphenyl           | 13.72 | 172  | 8317849  | 79.16     | ng    | -0.01      |
| 78) Terphenyl-d14              | 20.37 | 244  | 11403967 | 88.82     | ng    | -0.01      |
| Target Compounds               |       |      |          |           |       |            |
| 9) Benzaldehyde                | 7.59  | 77   | 11883    | Below Cal |       | Qvalue # 9 |
| 19) n-Nitroso-di-n-propylamine | 9.65  | 70   | 427770   | 12.152    | ng    | # 68       |
| 47) 2-Nitroaniline             | 13.72 | 65   | 13992    | 7.699     | ng    | # 1        |
| 50) 2,6-Dinitrotoluene         | 15.08 | 165  | 178031   | 12.013    | ng    | # 20       |
| 56) 2,4-Dinitrotoluene         | 15.08 | 165  | 178031   | 11.760    | ng    | # 18       |
| 64) 4,6-Dinitro-2-methylphenol | 16.55 | 198  | 6213     | 9.365     | ng    | # 1        |
| 66) 4-Bromophenyl-phenylether  | 16.55 | 248  | 122011   | 4.002     | ng    | # 1        |
| 76) Benzidine                  | 20.37 | 184  | 200270   | 2.335     | ng    | # 91       |
| 79) Butylbenzylphthalate       | 21.07 | 149  | 420      | 5.050     | ng    | # 70       |

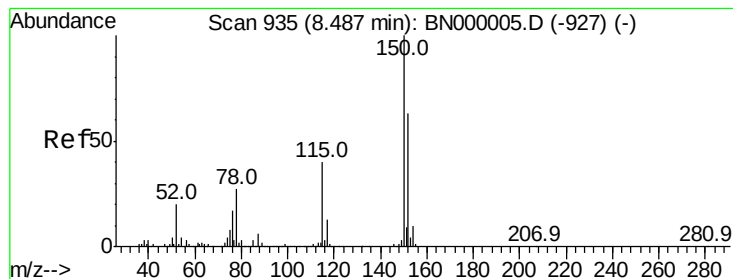
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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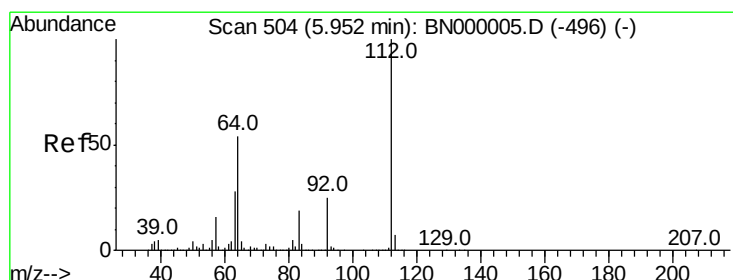
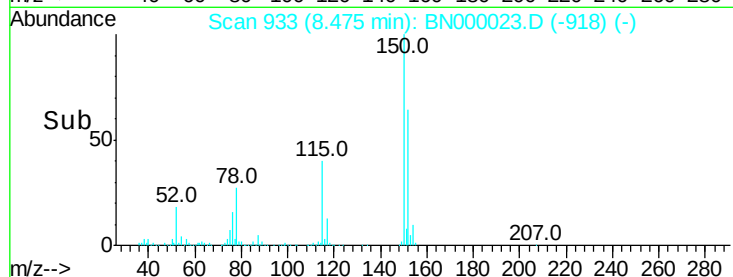
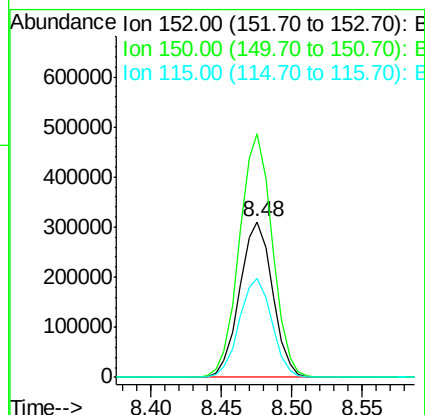
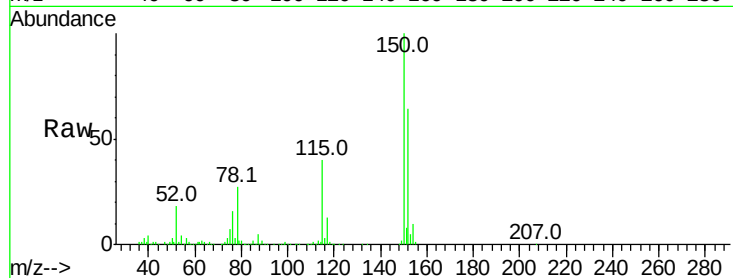


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.48 min Scan# 933  
Delta R.T. -0.01 min  
Lab File: BN000023.D  
Acq: 06 Feb 2018 09:36

Instrument :  
BNA\_N  
ClientSampled :

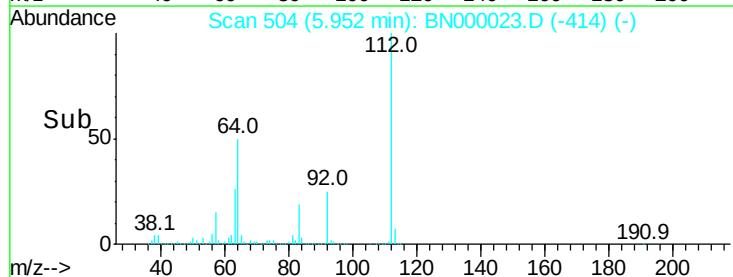
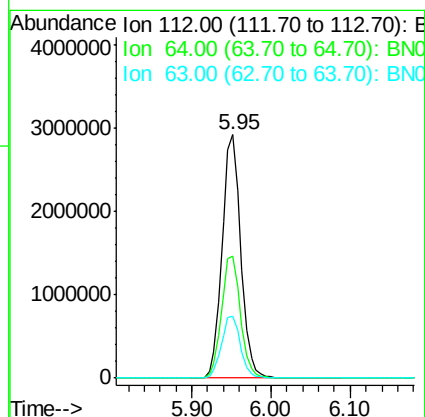
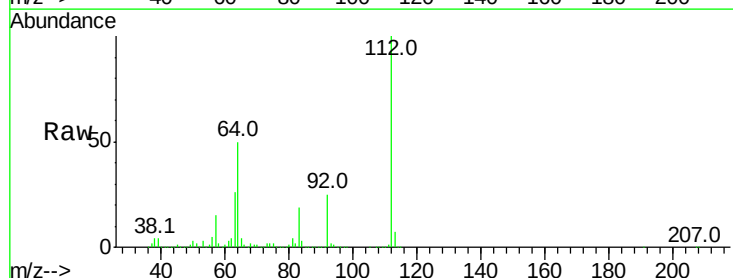
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.6 | 126.6 | 189.8 |
| 115     | 63.4  | 53.0  | 79.4  |

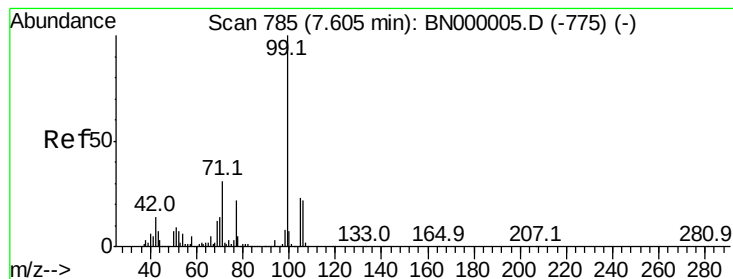


#5

2-Fluorophenol  
Concen: 138.202 ng  
RT: 5.95 min Scan# 504  
Delta R.T. -0.00 min  
Lab File: BN000023.D  
Acq: 06 Feb 2018 09:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 50.3  | 56.3  | 84.5# |
| 63      | 25.6  | 30.1  | 45.1# |





#7

Phenol-d6

Concen: 123.852 ng

RT: 7.60 min Scan# 784

Delta R.T. -0.00 min

Lab File: BN000023.D

Acq: 06 Feb 2018 09:36

Instrument :

BNA\_N

ClientSampled :

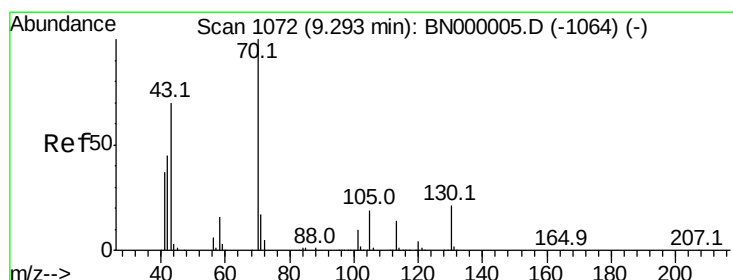
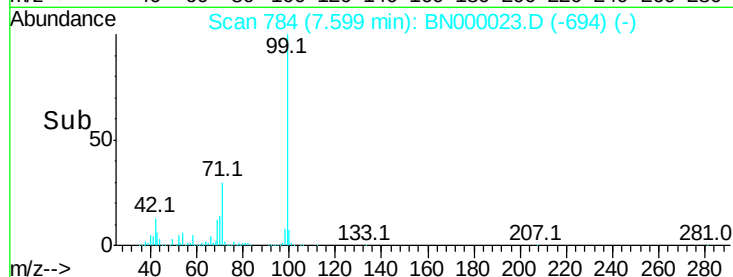
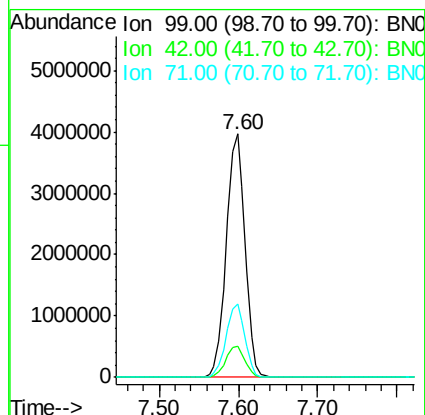
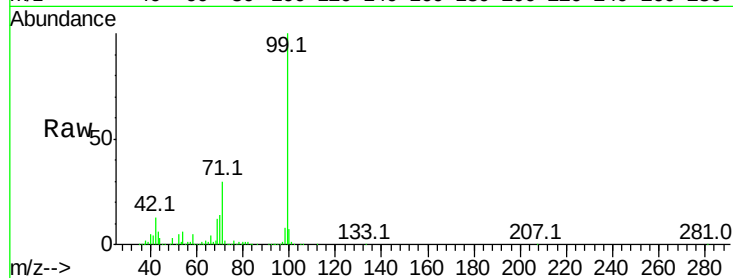
Tot Ion: 99 Resp: 6469926

Ion Ratio Lower Upper

99 100

42 12.7 14.1 21.1#

71 29.9 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 12.152 ng

RT: 9.65 min Scan# 1133

Delta R.T. 0.36 min

Lab File: BN000023.D

Acq: 06 Feb 2018 09:36

Tgt Ion: 70 Resp: 427770

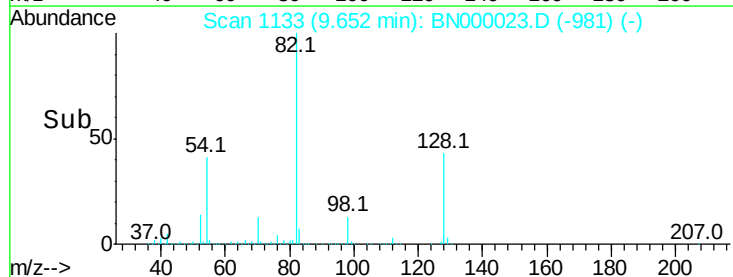
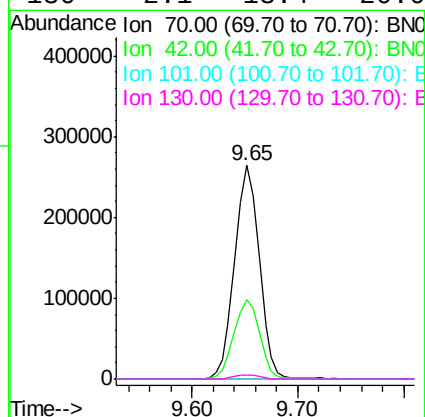
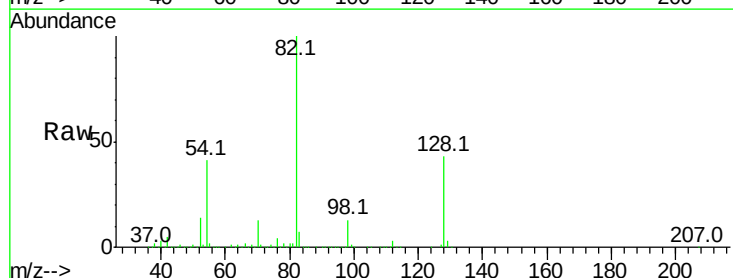
Ion Ratio Lower Upper

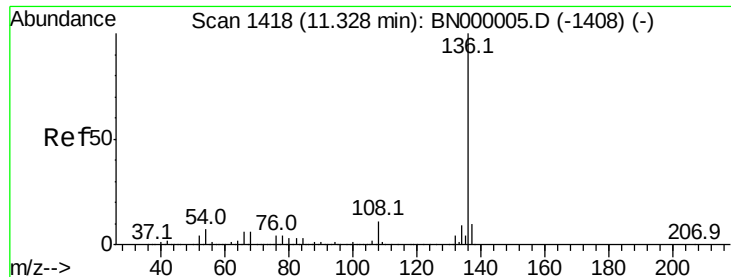
70 100

42 36.9 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

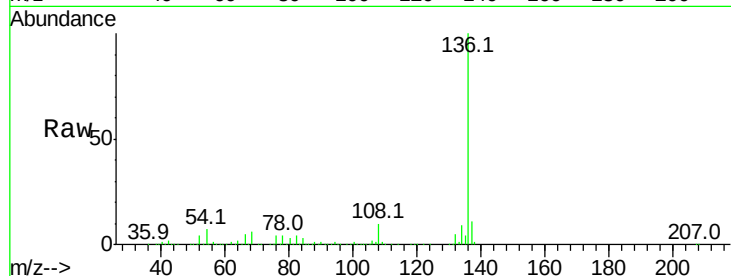




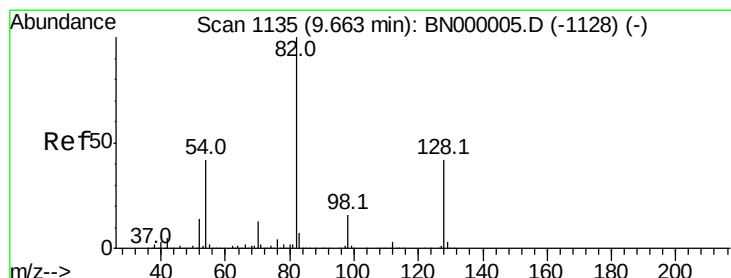
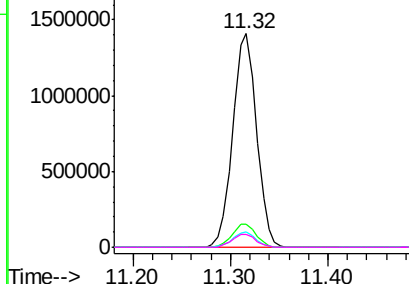
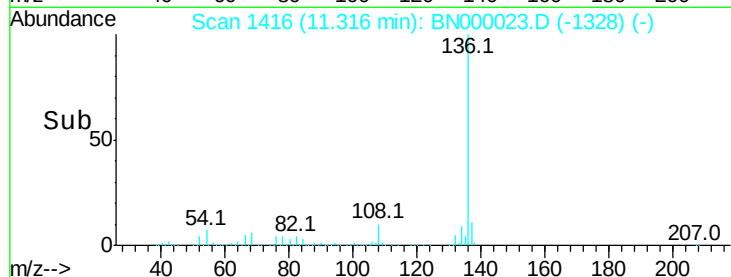
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1416  
Delta R.T. -0.01 min  
Lab File: BN000023.D  
Acq: 06 Feb 2018 09:36

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:136 Resp: 2384155  
Ion Ratio Lower Upper  
136 100  
137 10.6 9.2 13.8  
54 7.1 10.3 15.5#  
68 6.1 4.5 6.7

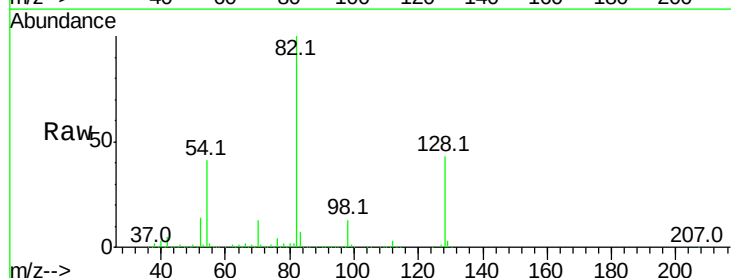


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BNC  
Ion 68.00 (67.70 to 68.70): BNC

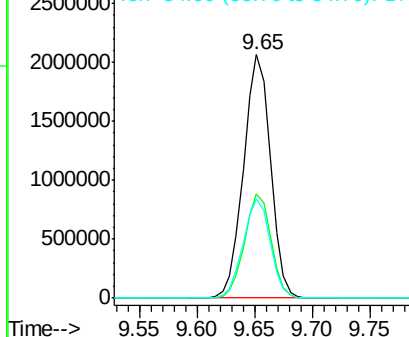
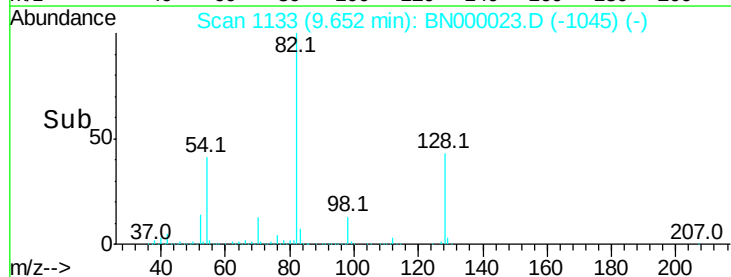


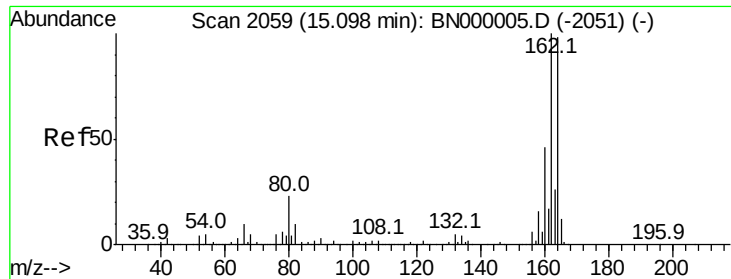
#23  
Nitrobenzene-d5  
Concen: 85.244 ng  
RT: 9.65 min Scan# 1133  
Delta R.T. -0.01 min  
Lab File: BN000023.D  
Acq: 06 Feb 2018 09:36

Tgt Ion: 82 Resp: 3360958  
Ion Ratio Lower Upper  
82 100  
128 42.8 29.7 44.5  
54 40.9 43.1 64.7#



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

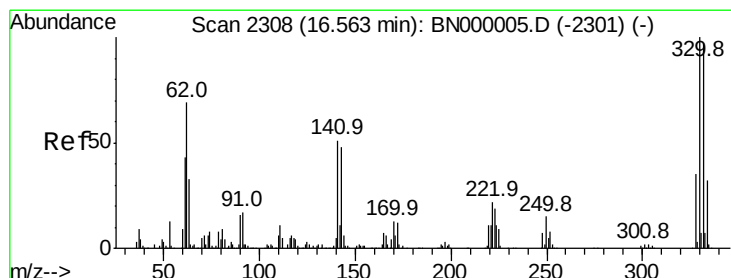
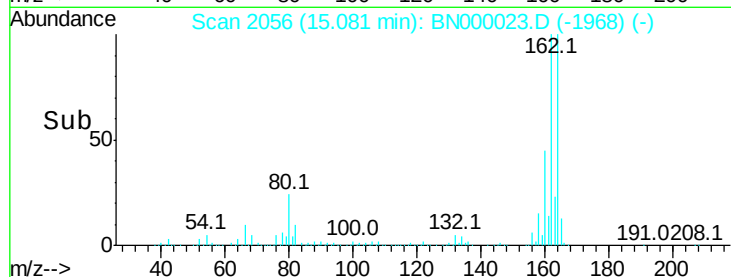
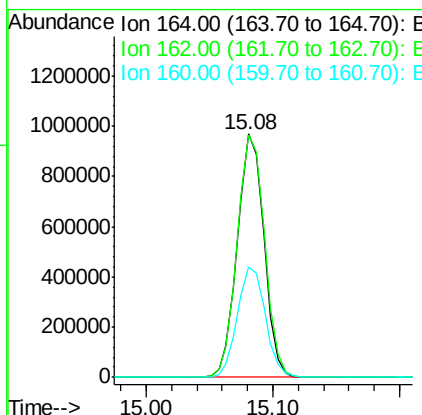
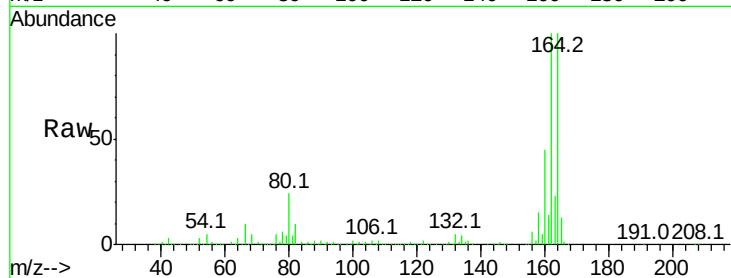




#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.08 min Scan# 2056  
Delta R.T. -0.01 min  
Lab File: BN000023.D  
Acq: 06 Feb 2018 09:36

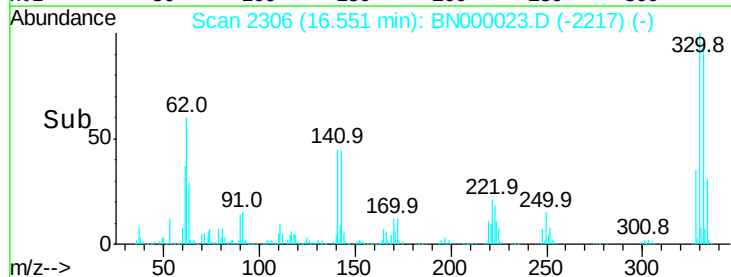
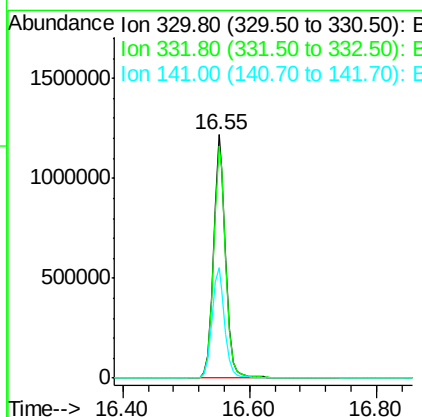
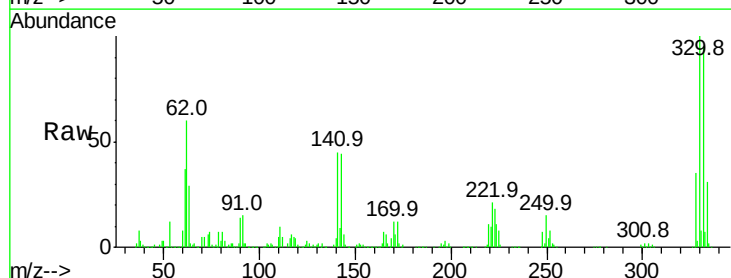
Instrument :  
BNA\_N  
ClientSampleId :

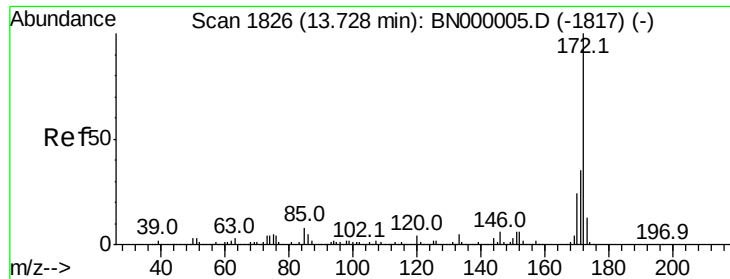
Tot Ion:164 Resp: 1407241  
Ion Ratio Lower Upper  
164 100  
162 99.7 78.8 118.2  
160 45.5 35.4 53.0



#41  
2,4,6-Tribromophenol  
Concen: 118.472 ng  
RT: 16.55 min Scan# 2306  
Delta R.T. -0.01 min  
Lab File: BN000023.D  
Acq: 06 Feb 2018 09:36

Tgt Ion:330 Resp: 1675953  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.0 115.6  
141 47.8 25.2 37.8#

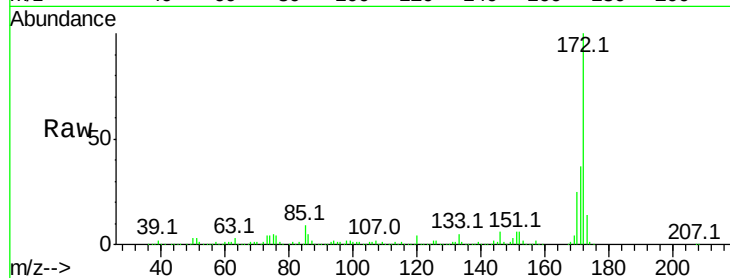




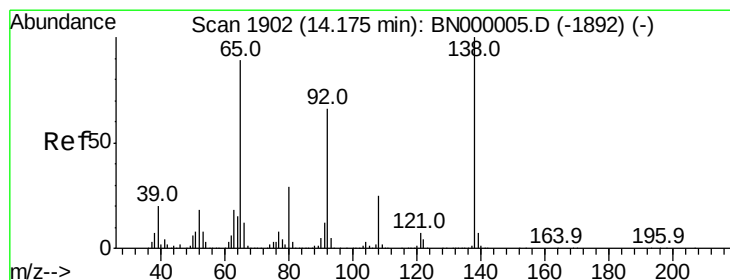
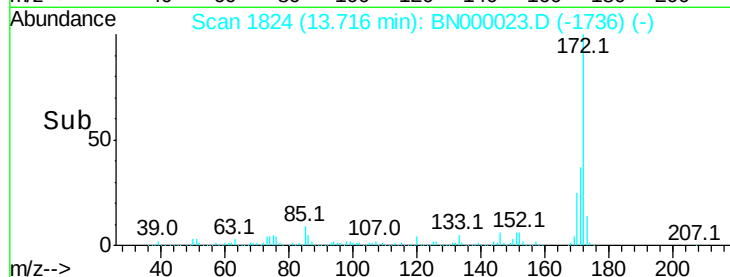
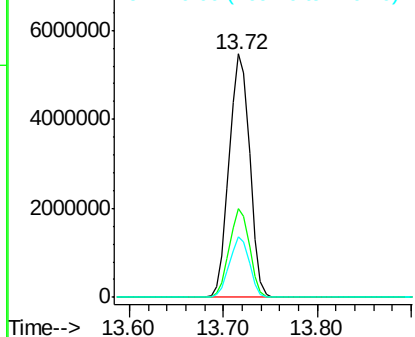
#44  
2-Fluorobiphenyl  
Concen: 79.161 ng  
RT: 13.72 min Scan# 1824  
Delta R.T. -0.01 min  
Lab File: BN000023.D  
Acq: 06 Feb 2018 09:36

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:172 Resp: 8317849  
Ion Ratio Lower Upper  
172 100  
171 36.6 30.0 45.0  
170 24.6 19.5 29.3

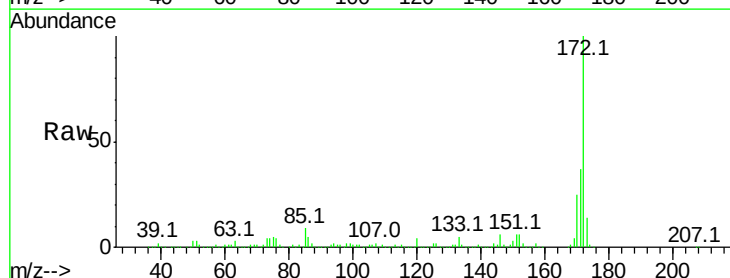


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

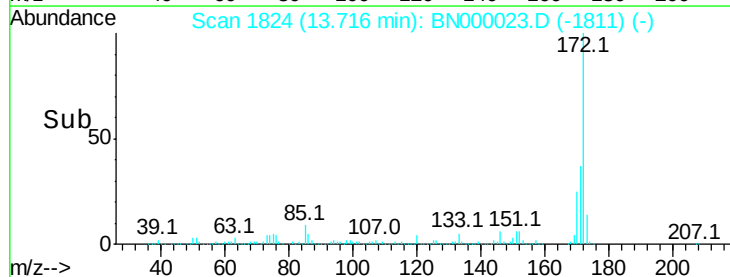
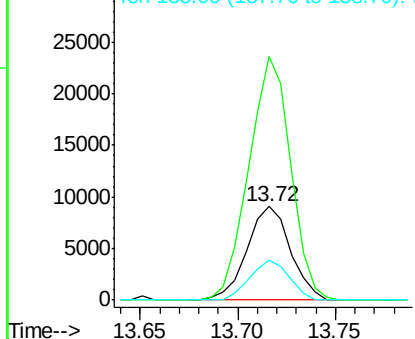


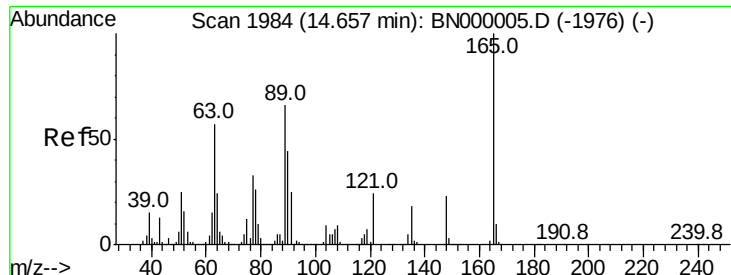
#47  
2-Nitroaniline  
Concen: 7.699 ng  
RT: 13.72 min Scan# 1824  
Delta R.T. -0.45 min  
Lab File: BN000023.D  
Acq: 06 Feb 2018 09:36

Tgt Ion: 65 Resp: 13992  
Ion Ratio Lower Upper  
65 100  
92 260.7 54.6 82.0#  
138 42.7 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BNC  
Ion 92.00 (91.70 to 92.70): BNC  
Ion 138.00 (137.70 to 138.70): E

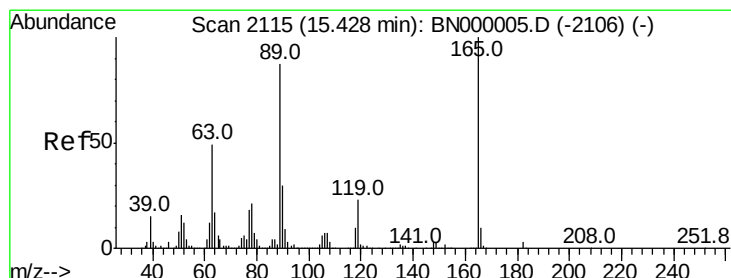
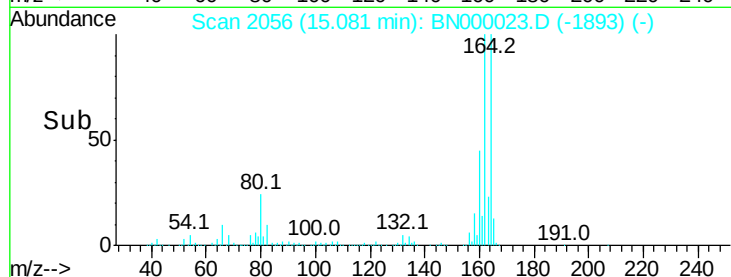
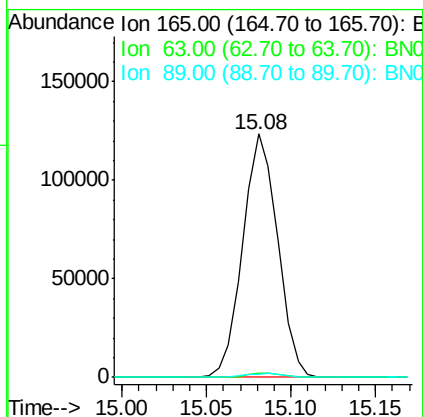
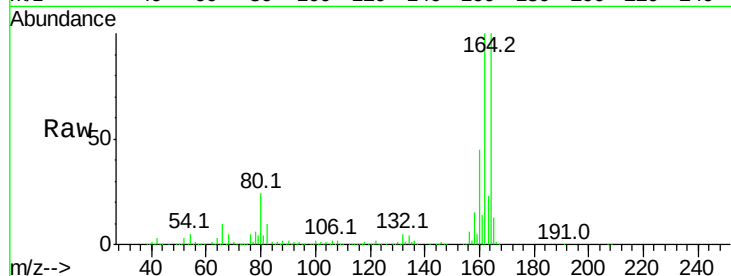




#50  
2,6-Dinitrotoluene  
Concen: 12.013 ng  
RT: 15.08 min Scan# 2056  
Delta R.T. 0.43 min  
Lab File: BN000023.D  
Acq: 06 Feb 2018 09:36

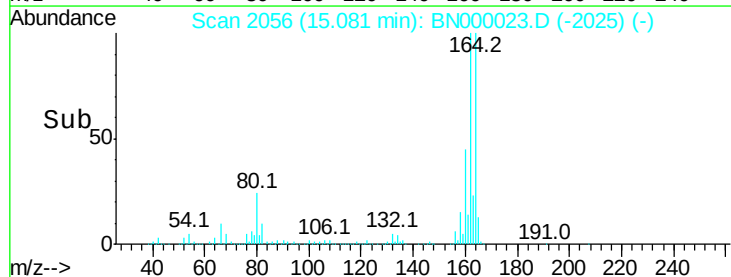
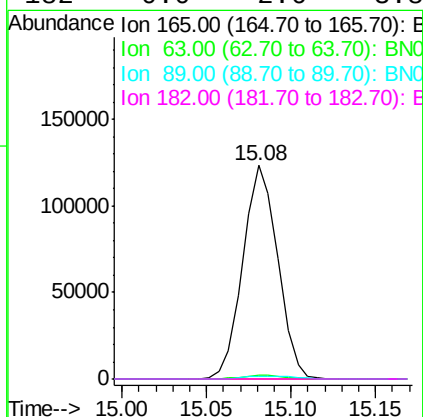
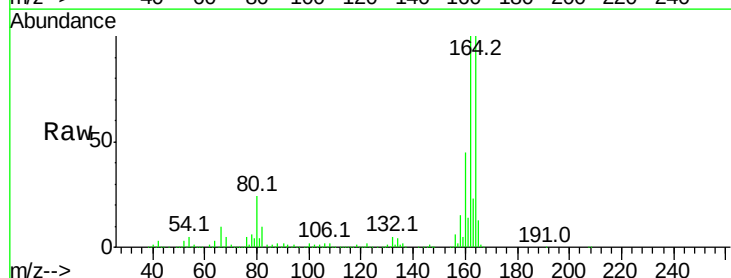
Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:165 Resp: 178031  
Ion Ratio Lower Upper  
165 100  
63 1.6 52.7 79.1#  
89 1.2 49.2 73.8#

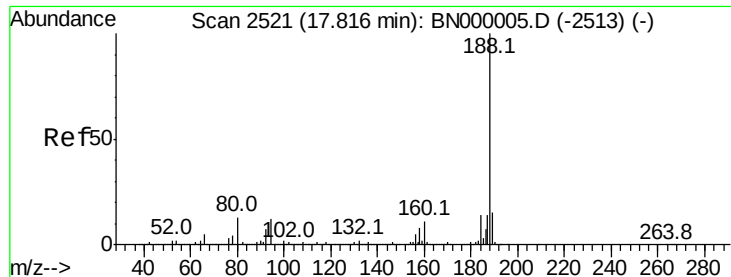


#56  
2,4-Dinitrotoluene  
Concen: 11.760 ng  
RT: 15.08 min Scan# 2056  
Delta R.T. -0.35 min  
Lab File: BN000023.D  
Acq: 06 Feb 2018 09:36

Tgt Ion:165 Resp: 178031  
Ion Ratio Lower Upper  
165 100  
63 1.6 42.0 63.0#  
89 1.2 66.9 100.3#  
182 0.0 2.6 3.8#



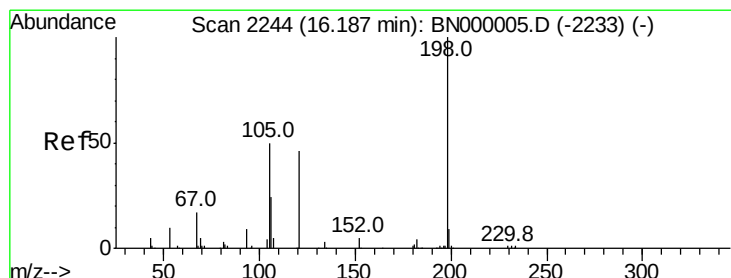
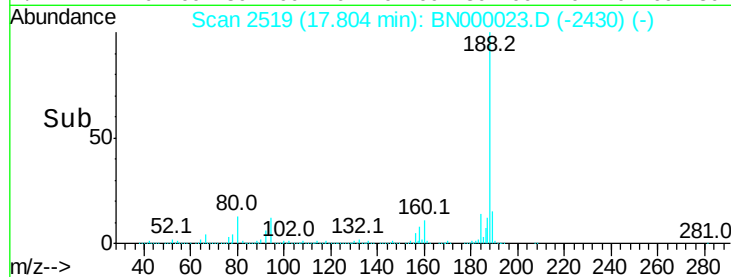
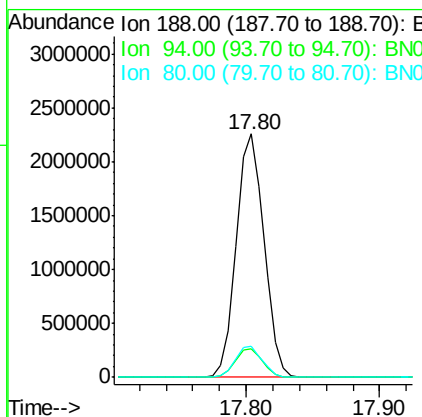
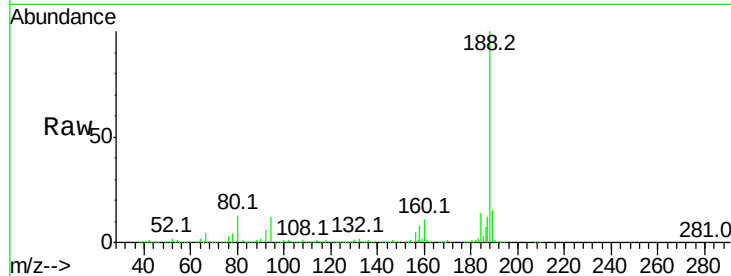




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.80 min Scan# 2519  
Delta R.T. -0.01 min  
Lab File: BN000023.D  
Acq: 06 Feb 2018 09:36

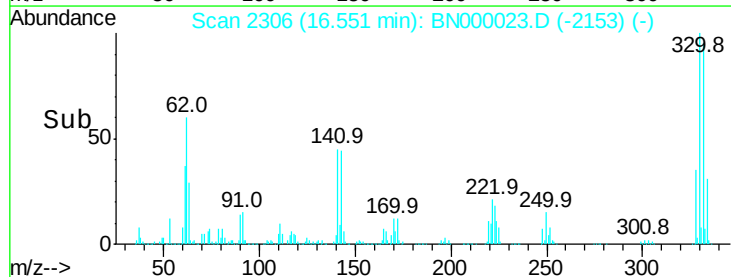
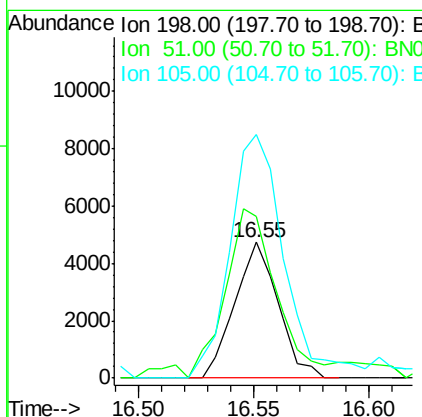
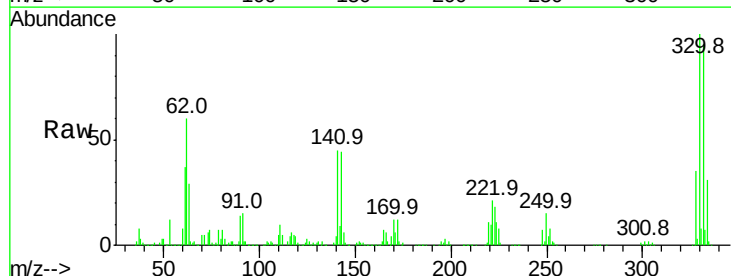
Instrument :  
BNA\_N  
ClientSampleId :

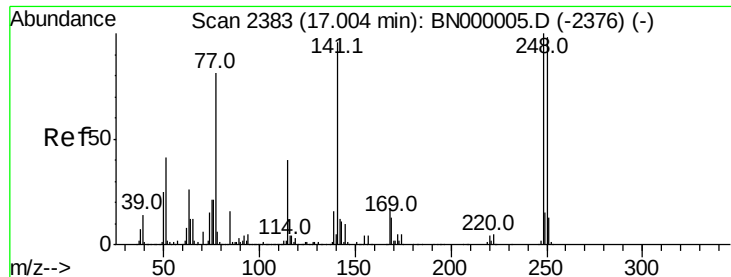
Tot Ion:188 Resp: 3258035  
Ion Ratio Lower Upper  
188 100  
94 11.6 6.9 10.3#  
80 12.7 7.7 11.5#



#64  
4,6-Dinitro-2-methylphenol  
Concen: 9.365 ng  
RT: 16.55 min Scan# 2306  
Delta R.T. 0.37 min  
Lab File: BN000023.D  
Acq: 06 Feb 2018 09:36

Tgt Ion:198 Resp: 6213  
Ion Ratio Lower Upper  
198 100  
51 119.5 30.6 70.6#  
105 179.3 23.8 63.8#

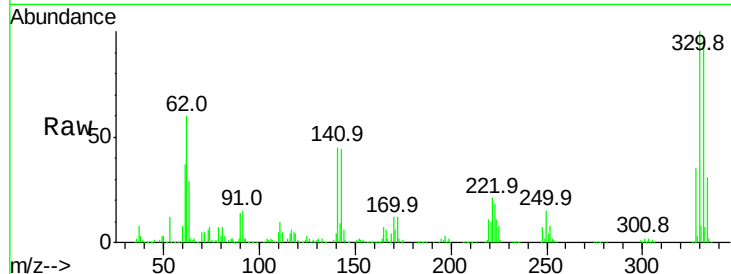




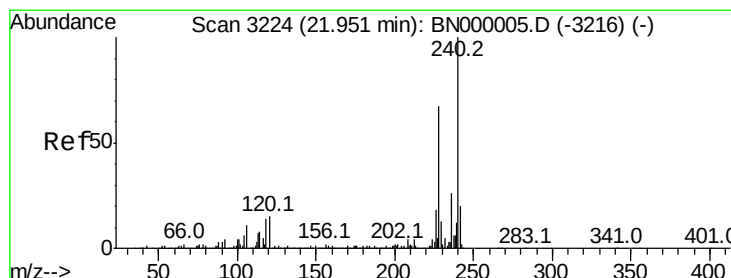
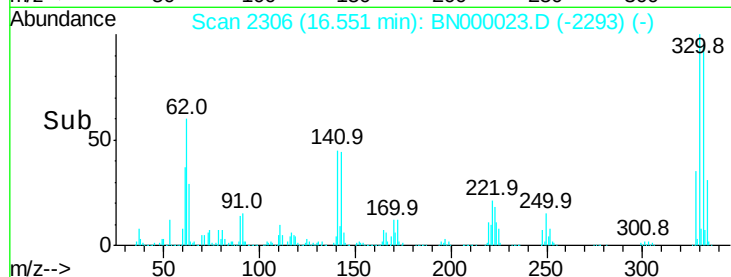
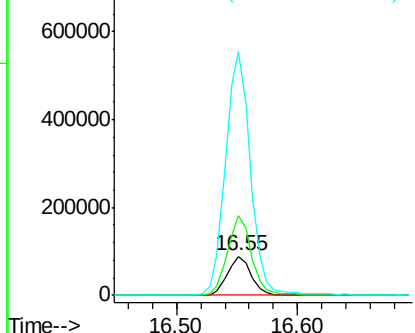
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.002 ng  
 RT: 16.55 min Scan# 2306  
 Delta R.T. -0.45 min  
 Lab File: BN000023.D  
 Acq: 06 Feb 2018 09:36

Instrument :  
 BNA\_N  
 ClientSampled :

Tot Ion:248 Resp: 122011  
 Ion Ratio Lower Upper  
 248 100  
 250 205.0 77.1 115.7#  
 141 621.8 50.8 76.2#

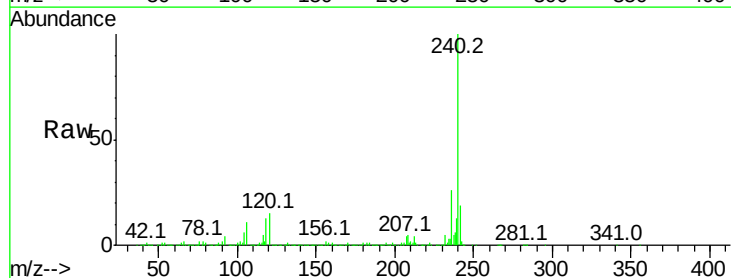


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

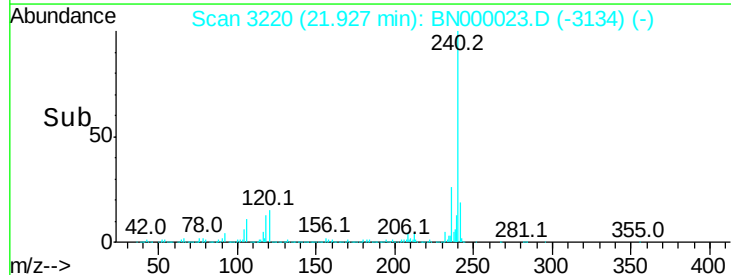
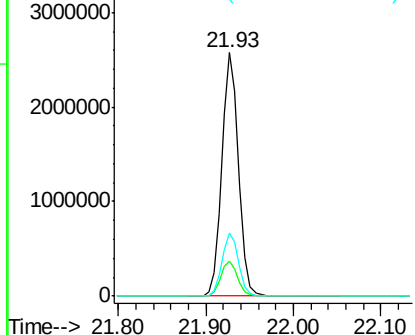


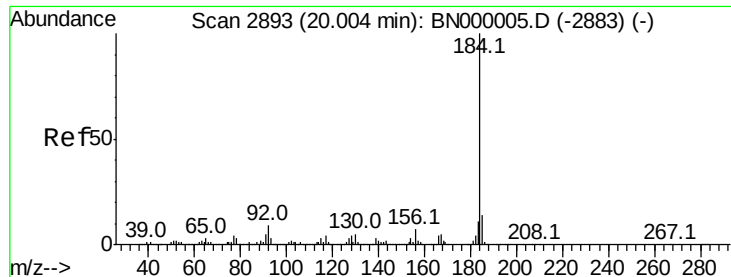
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.93 min Scan# 3220  
 Delta R.T. -0.02 min  
 Lab File: BN000023.D  
 Acq: 06 Feb 2018 09:36

Tgt Ion:240 Resp: 3388904  
 Ion Ratio Lower Upper  
 240 100  
 120 14.6 6.8 10.2#  
 236 25.8 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: 2.335 ng

RT: 20.37 min Scan# 2955

Delta R.T. 0.36 min

Lab File: BN000023.D

Acq: 06 Feb 2018 09:36

Instrument :

BNA\_N

ClientSampleId :

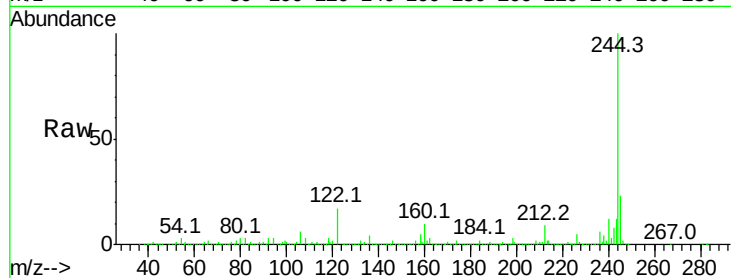
Tot Ion:184 Resp: 200270

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

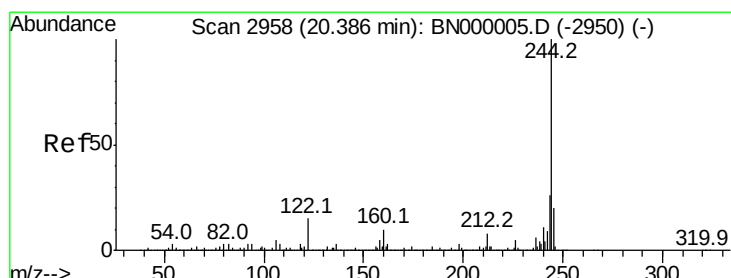
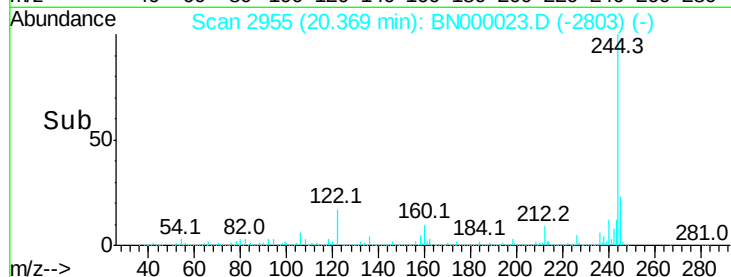
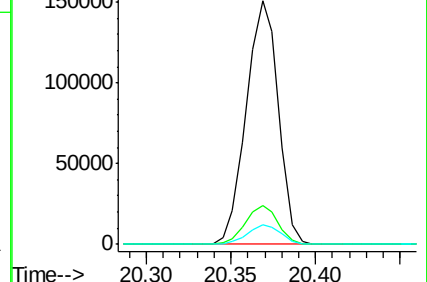
183 8.0 10.6 16.0#



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: 88.820 ng

RT: 20.37 min Scan# 2955

Delta R.T. -0.01 min

Lab File: BN000023.D

Acq: 06 Feb 2018 09:36

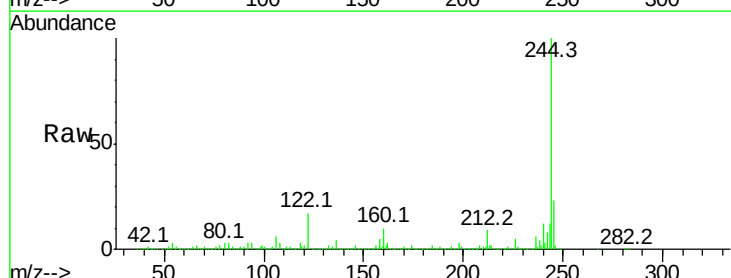
Tgt Ion:244 Resp:11403967

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

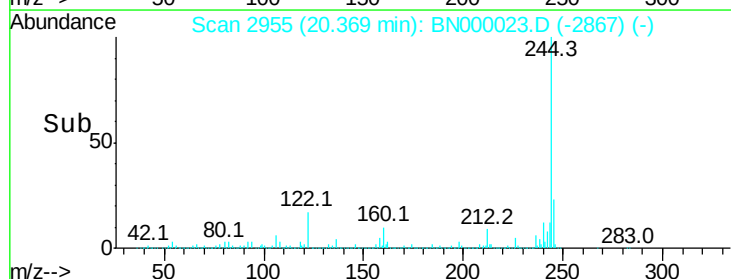
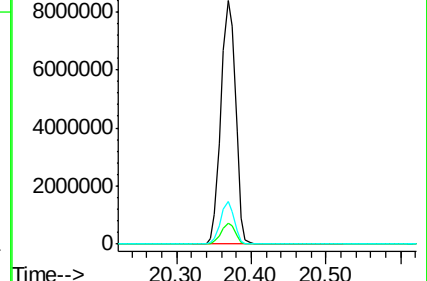
122 17.3 7.0 10.4#

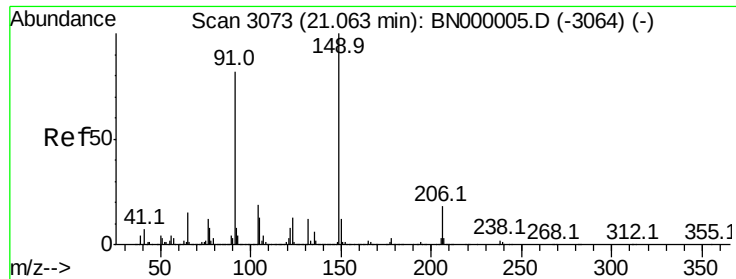


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

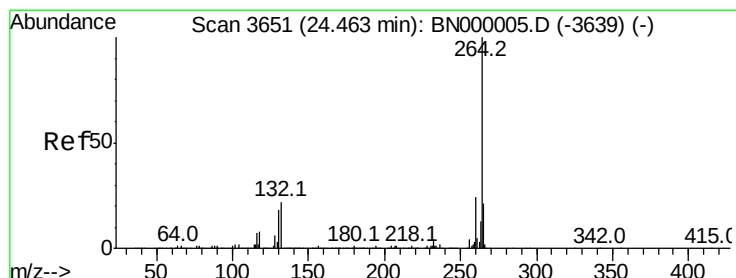
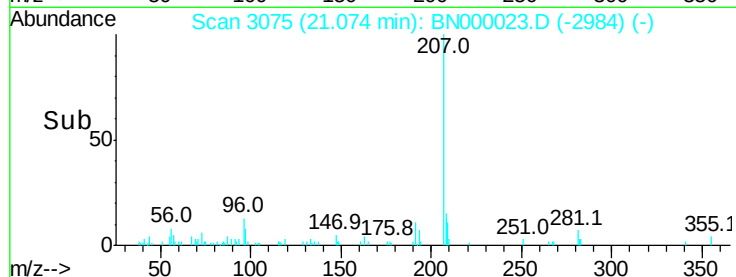
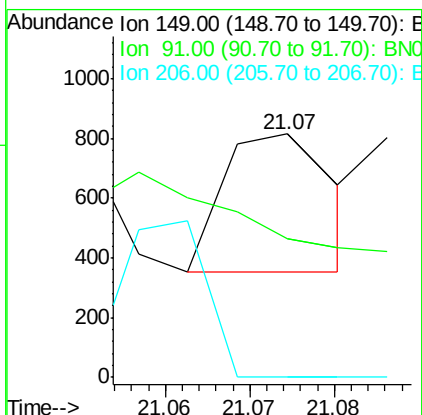
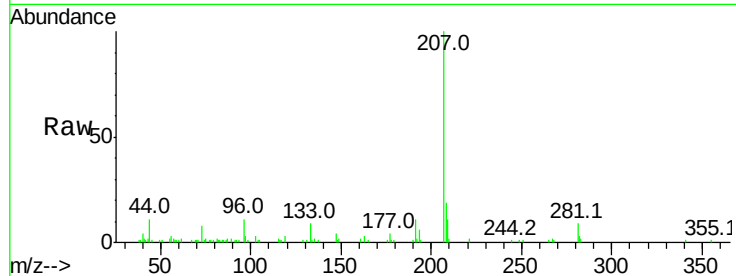




#79  
Butylbenzylphthalate  
Concen: 5.050 ng  
RT: 21.07 min Scan# 3075  
Delta R.T. 0.01 min  
Lab File: BN000023.D  
Acq: 06 Feb 2018 09:36

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:149 Resp: 420  
Ion Ratio Lower Upper  
149 100  
91 56.7 62.2 93.2#  
206 0.0 18.6 27.8#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.43 min Scan# 3645  
Delta R.T. -0.03 min  
Lab File: BN000023.D  
Acq: 06 Feb 2018 09:36

Tgt Ion:264 Resp: 3546975  
Ion Ratio Lower Upper  
264 100  
260 24.1 17.4 26.0  
265 22.1 17.7 26.5

