

Data Path : Z:\HPCHEM1\BNA N\DATA\BN030618\  
 Data File : BN000265.D  
 Acq On : 06 Mar 2018 15:59  
 Operator : JU/SJ  
 Sample : J1699-81  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Mar 07 04:30:18 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 07 18:24:45 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.45  | 152  | 275846   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 11.29 | 136  | 1332227  | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 15.06 | 164  | 760844   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.78 | 188  | 1603244  | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 21.89 | 240  | 1587063  | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 24.37 | 264  | 1602781  | 20.00 | ng    | -0.05    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.93  | 112  | 2303541  | 136.10 | ng    | -0.02    |
| 7) Phenol-d6                | 7.57  | 99   | 3273886  | 127.70 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.63  | 82   | 1875816  | 83.72  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.53 | 330  | 823940   | 109.40 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.69 | 172  | 3786871  | 70.15  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.34 | 244  | 4653532  | 79.17  | ng    | -0.02    |

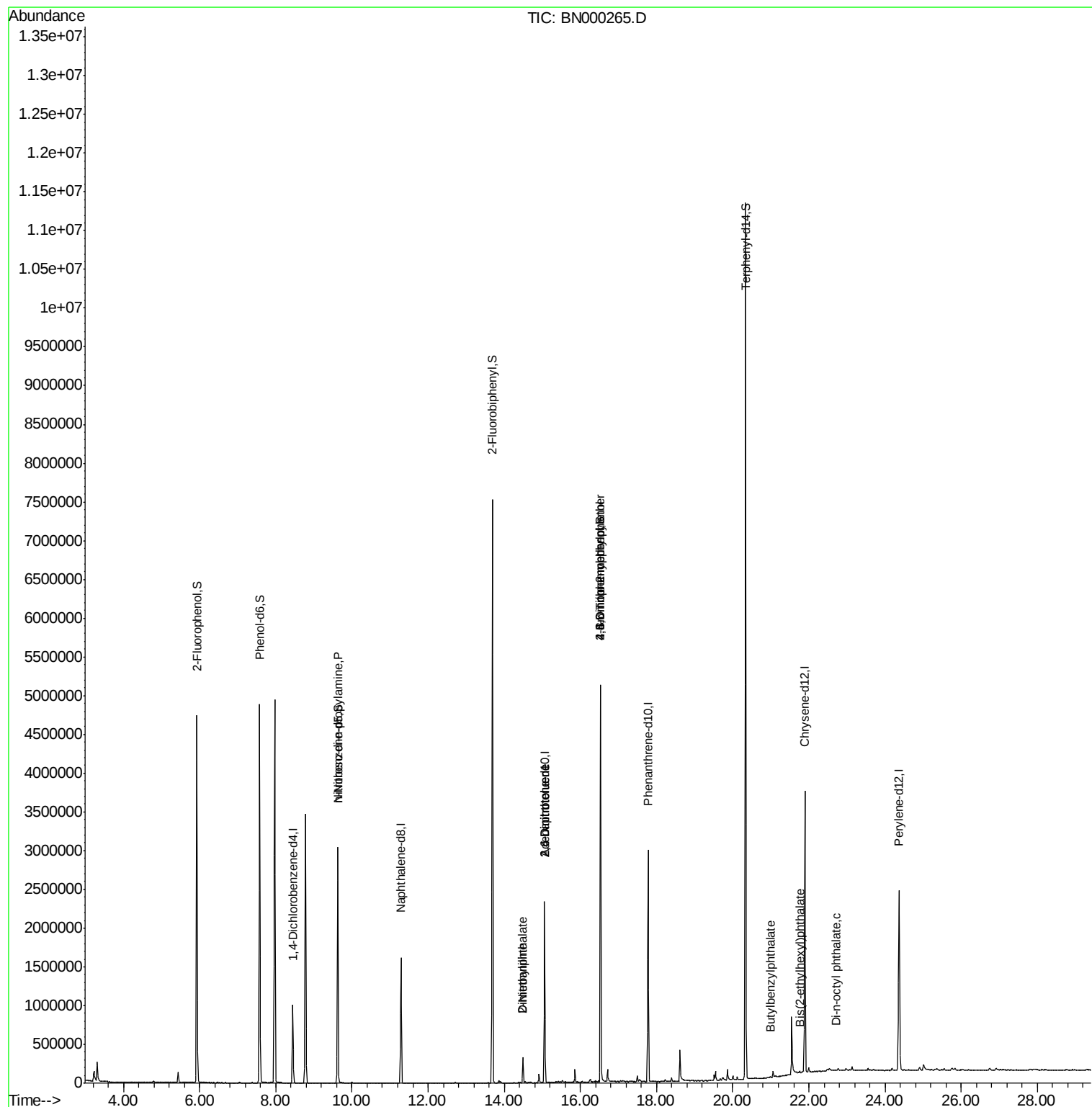
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 19) n-Nitroso-di-n-propylamine | 9.63  | 70   | 236373   | 13.759 | ng    | # 69   |
| 47) 2-Nitroaniline             | 14.49 | 65   | 2419     | 5.026  | ng    | # 1    |
| 49) Dimethylphthalate          | 14.49 | 163  | 189602   | 2.981  | ng    | # 99   |
| 50) 2,6-Dinitrotoluene         | 15.06 | 165  | 98370    | 7.492  | ng    | # 21   |
| 56) 2,4-Dinitrotoluene         | 15.06 | 165  | 98370    | 8.960  | ng    | # 18   |
| 64) 4,6-Dinitro-2-methylphenol | 16.53 | 198  | 2705     | 8.999  | ng    | # 1    |
| 66) 4-Bromophenyl-phenylether  | 16.53 | 248  | 58682    | 3.849  | ng    | # 1    |
| 79) Butylbenzylphthalate       | 21.00 | 149  | 313      | 5.382  | ng    | # 20   |
| 83) Bis(2-ethylhexyl)phthalate | 21.76 | 149  | 8431     | 3.015  | ng    | # 89   |
| 84) Di-n-octyl phthalate       | 22.73 | 149  | 210      | 6.732  | ng    | # 74   |

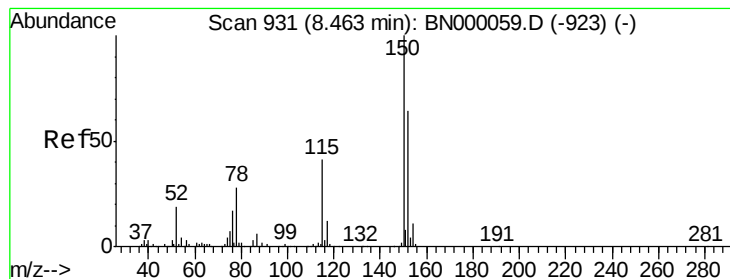
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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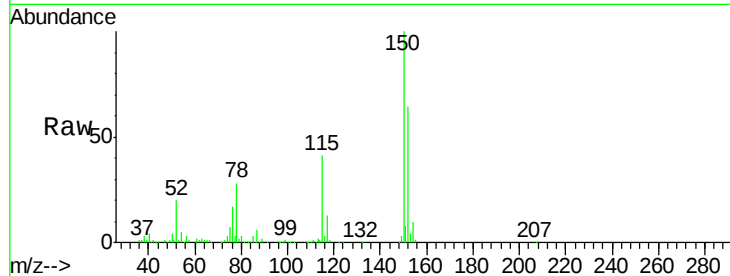


#1

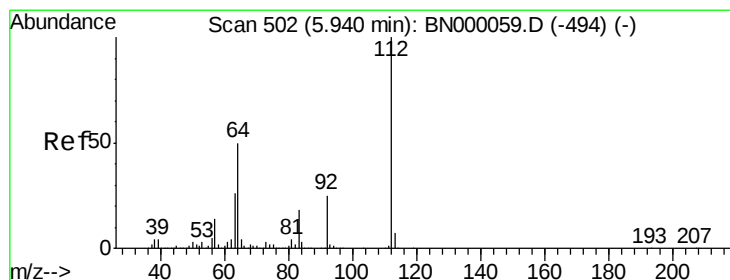
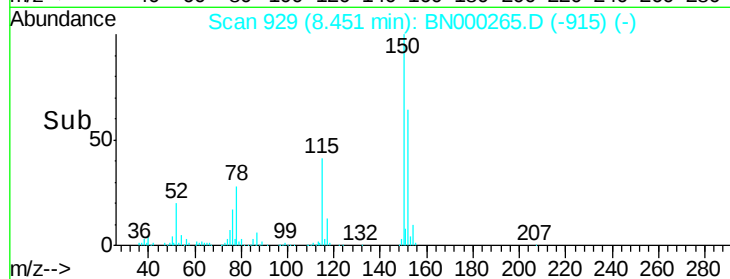
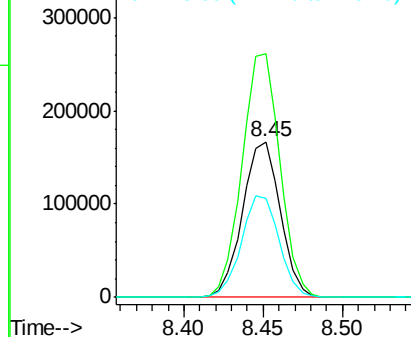
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.45 min Scan# 929  
Delta R.T. -0.02 min  
Lab File: BN000265.D  
Acq: 06 Mar 2018 15:59

Instrument :  
BNA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.3 | 126.6 | 189.8 |
| 115     | 63.6  | 53.0  | 79.4  |



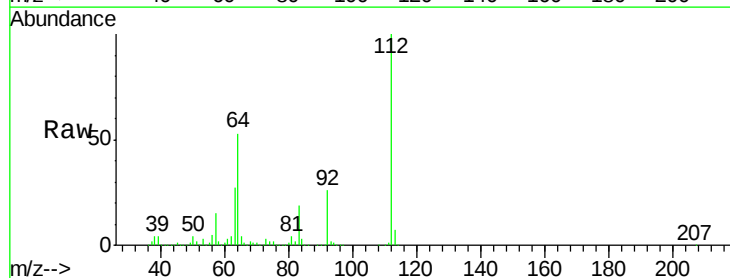
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



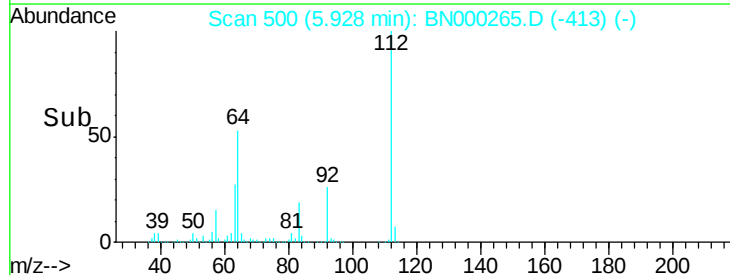
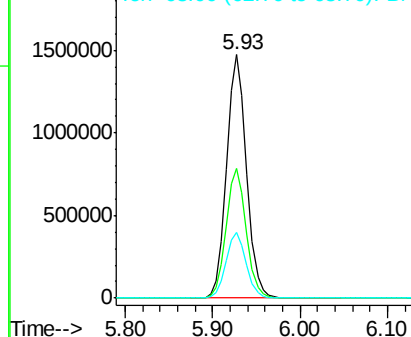
#5

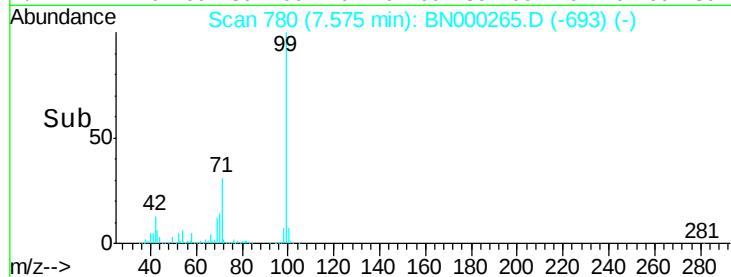
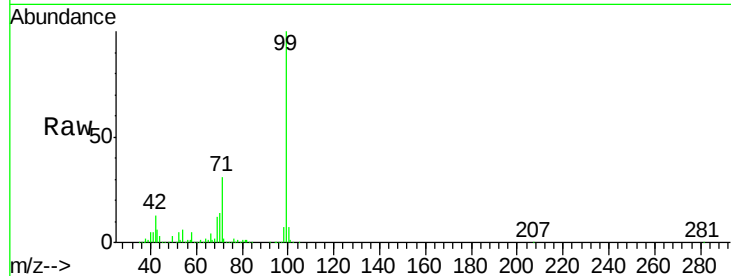
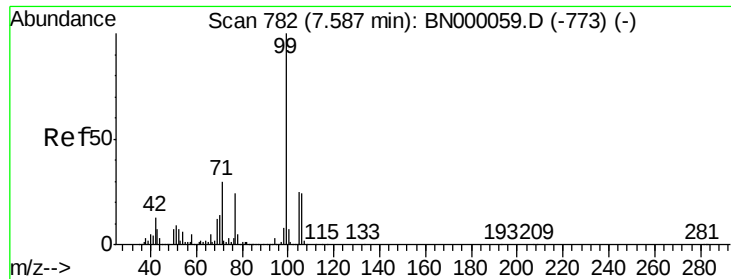
2-Fluorophenol  
Concen: 136.099 ng  
RT: 5.93 min Scan# 500  
Delta R.T. -0.02 min  
Lab File: BN000265.D  
Acq: 06 Mar 2018 15:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.2  | 56.3  | 84.5# |
| 63      | 26.9  | 30.1  | 45.1# |



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





#7

Phenol-d6

Concen: 127.697 ng

RT: 7.57 min Scan# 780

Delta R.T. -0.02 min

Lab File: BN000265.D

Acq: 06 Mar 2018 15:59

Instrument :

BNA\_N

ClientSampled :

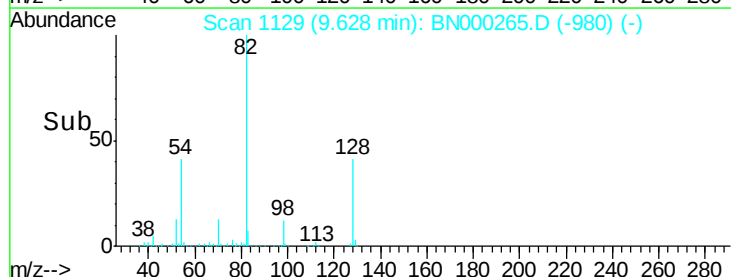
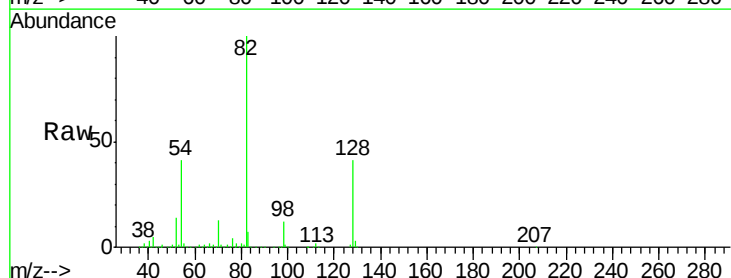
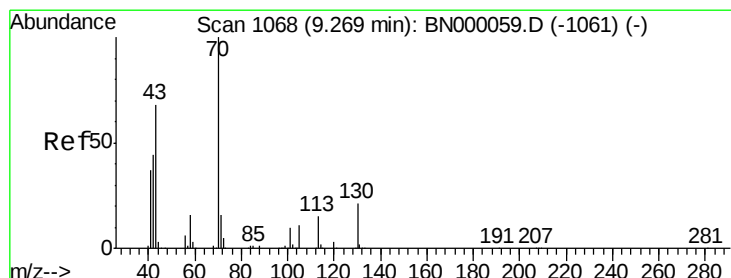
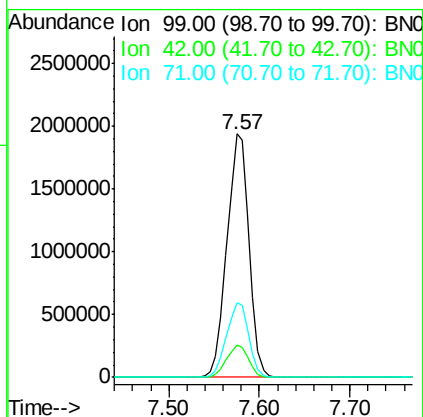
Tot Ion: 99 Resp: 3273886

Ion Ratio Lower Upper

99 100

42 13.2 14.1 21.1#

71 30.7 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 13.759 ng

RT: 9.63 min Scan# 1129

Delta R.T. 0.35 min

Lab File: BN000265.D

Acq: 06 Mar 2018 15:59

Tgt Ion: 70 Resp: 236373

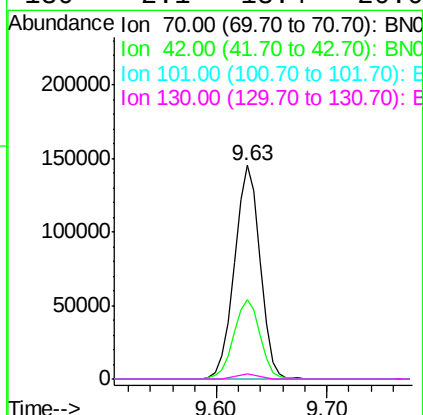
Ion Ratio Lower Upper

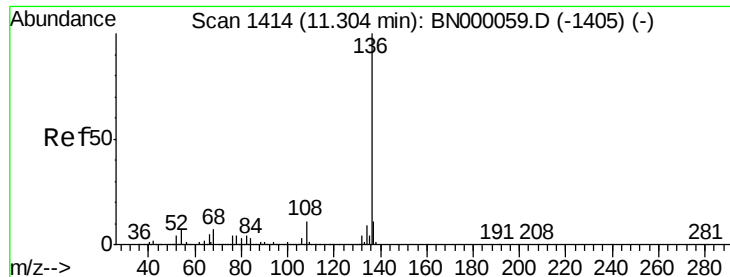
70 100

42 37.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

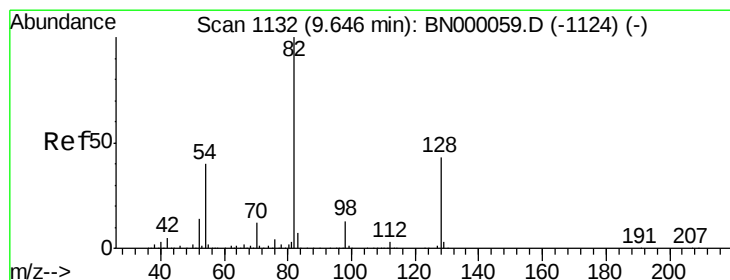
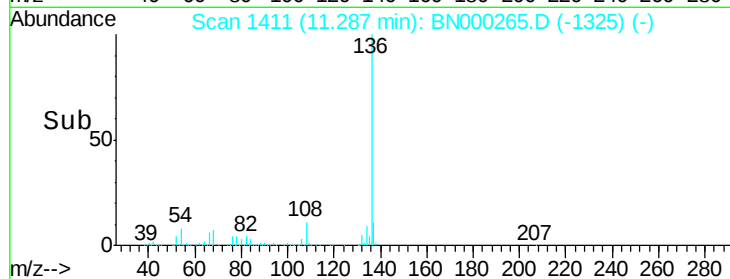
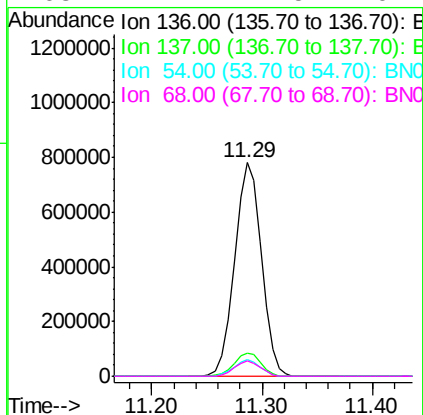
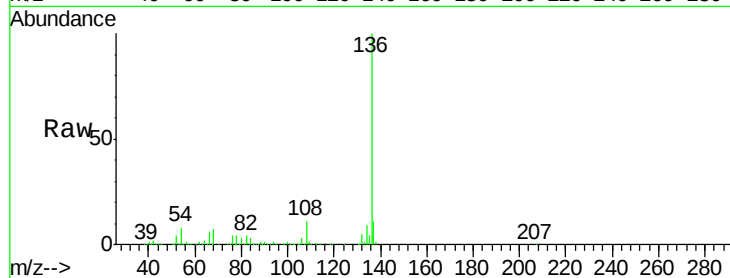




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.29 min Scan# 1411  
Delta R.T. -0.02 min  
Lab File: BN000265.D  
Acq: 06 Mar 2018 15:59

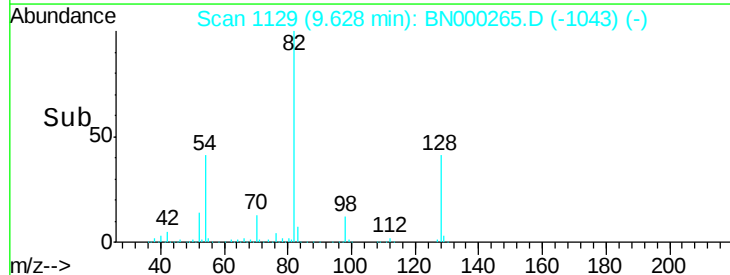
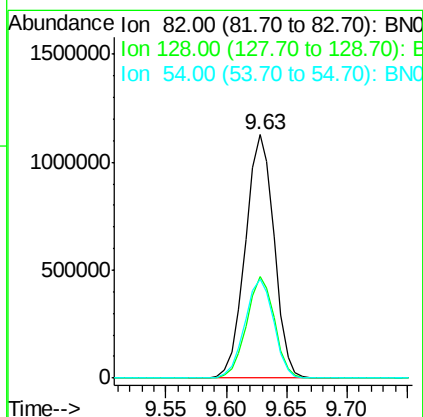
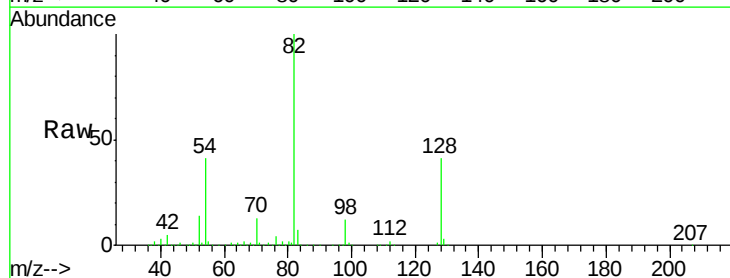
Instrument :  
BNA\_N  
ClientSampleId :

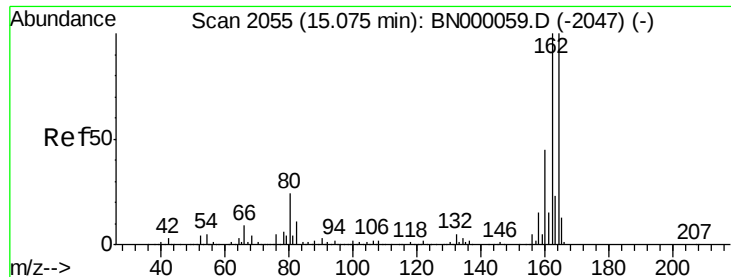
|             |               |
|-------------|---------------|
| Tot Ion:136 | Resp: 1332227 |
| Ion Ratio   | Lower Upper   |
| 136 100     |               |
| 137 10.9    | 9.2 13.8      |
| 54 7.8      | 10.3 15.5#    |
| 68 7.2      | 4.5 6.7#      |



#23  
Nitrobenzene-d5  
Concen: 83.715 ng  
RT: 9.63 min Scan# 1129  
Delta R.T. -0.02 min  
Lab File: BN000265.D  
Acq: 06 Mar 2018 15:59

|     |         |               |       |
|-----|---------|---------------|-------|
| Tgt | Ion: 82 | Resp: 1875816 |       |
| Ion | Ratio   | Lower         | Upper |
| 82  | 100     |               |       |
| 128 | 41.4    | 29.7          | 44.5  |
| 54  | 40.9    | 43.1          | 64.7# |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.06 min Scan# 2052

Delta R.T. -0.02 min

Lab File: BN000265.D

Acq: 06 Mar 2018 15:59

Instrument :

BNA\_N

ClientSampleId :

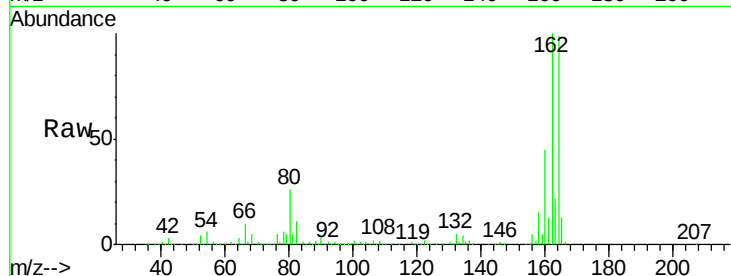
Tot Ion:164 Resp: 760844

Ion Ratio Lower Upper

164 100

162 101.3 78.8 118.2

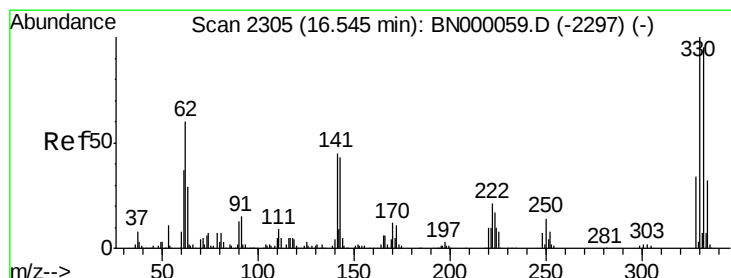
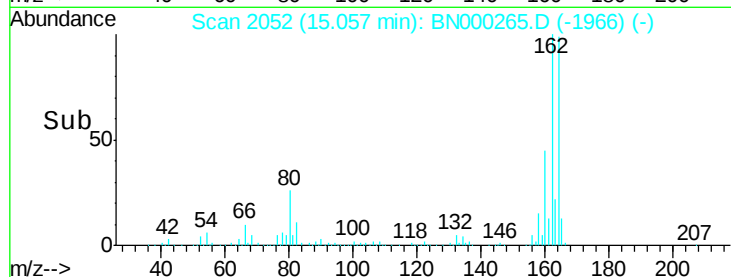
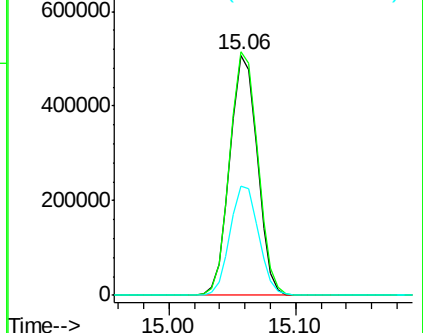
160 45.5 35.4 53.0



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: 109.403 ng

RT: 16.53 min Scan# 2303

Delta R.T. -0.02 min

Lab File: BN000265.D

Acq: 06 Mar 2018 15:59

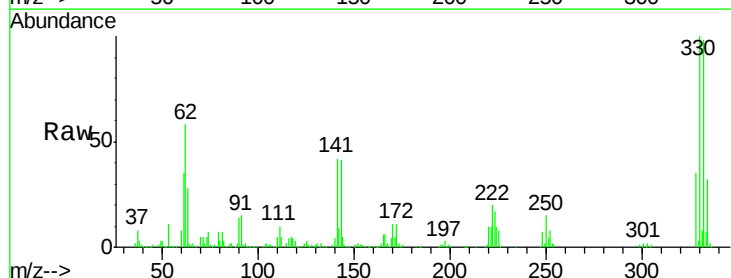
Tgt Ion:330 Resp: 823940

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

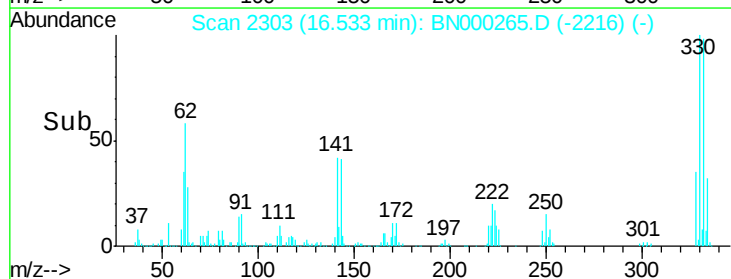
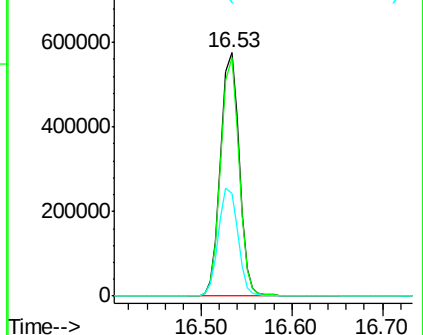
141 46.4 25.2 37.8#

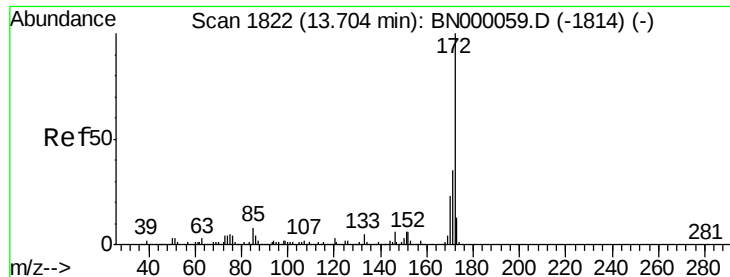


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

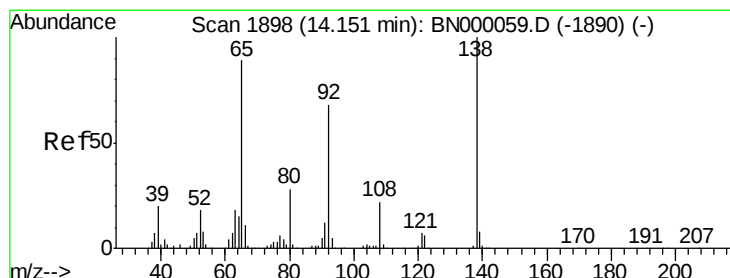
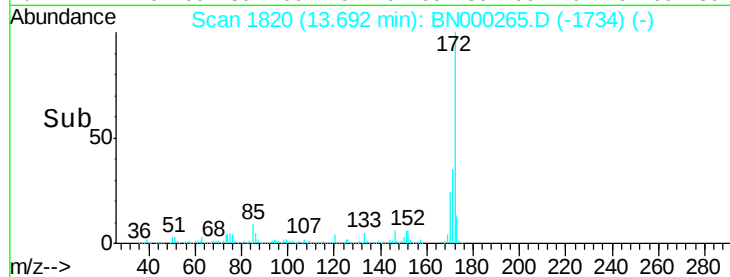
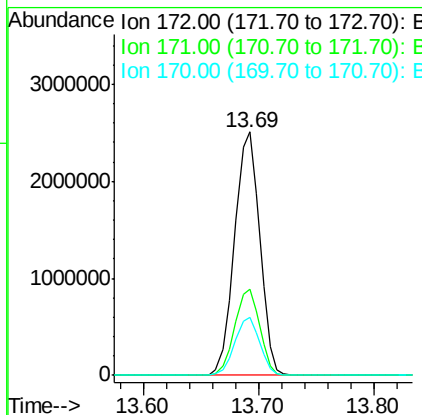
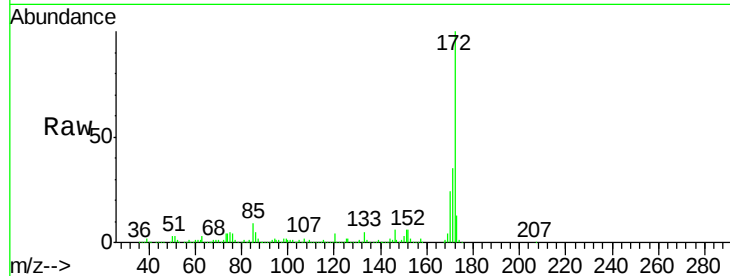




#44  
2-Fluorobiphenyl  
Concen: 70.149 ng  
RT: 13.69 min Scan# 1820  
Delta R.T. -0.02 min  
Lab File: BN000265.D  
Acq: 06 Mar 2018 15:59

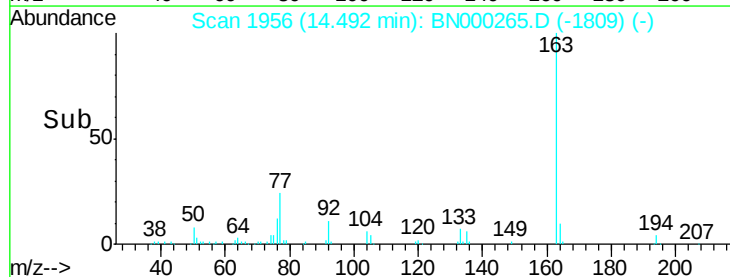
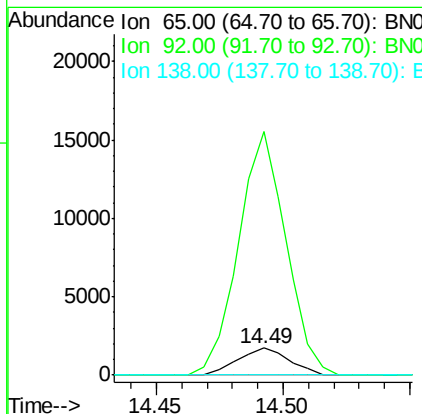
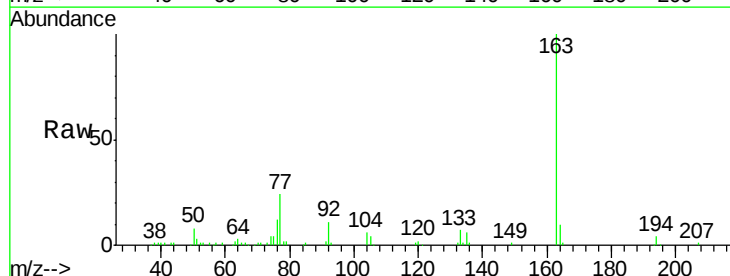
Instrument :  
BNA\_N  
ClientSampleId :

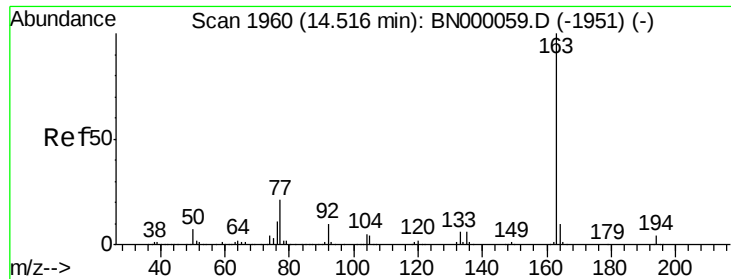
Tot Ion:172 Resp: 3786871  
Ion Ratio Lower Upper  
172 100  
171 35.5 30.0 45.0  
170 23.6 19.5 29.3



#47  
2-Nitroaniline  
Concen: 5.026 ng  
RT: 14.49 min Scan# 1956  
Delta R.T. 0.34 min  
Lab File: BN000265.D  
Acq: 06 Mar 2018 15:59

Tgt Ion: 65 Resp: 2419  
Ion Ratio Lower Upper  
65 100  
92 893.6 54.6 82.0#  
138 0.0 72.9 109.3#





#49

Dimethylphthalate

Concen: 2.981 ng

RT: 14.49 min Scan# 1956

Delta R.T. -0.03 min

Lab File: BN000265.D

Acq: 06 Mar 2018 15:59

Instrument :

BNA\_N

ClientSampleId :

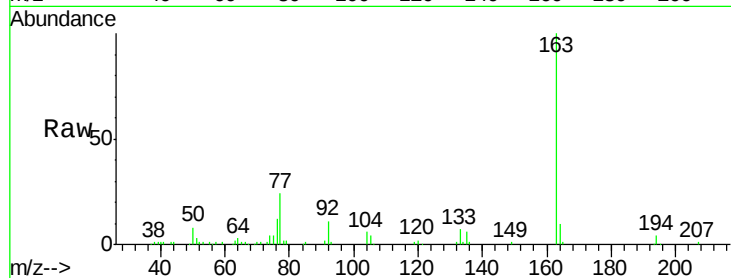
Tot Ion:163 Resp: 189602

Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.2

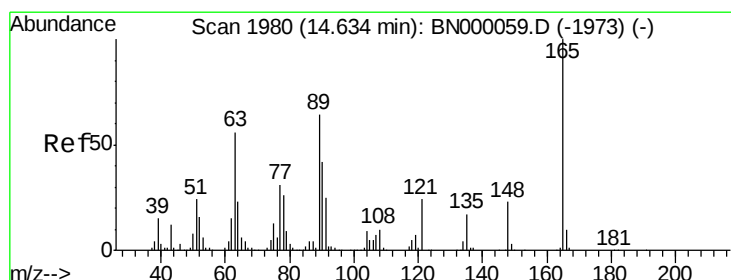
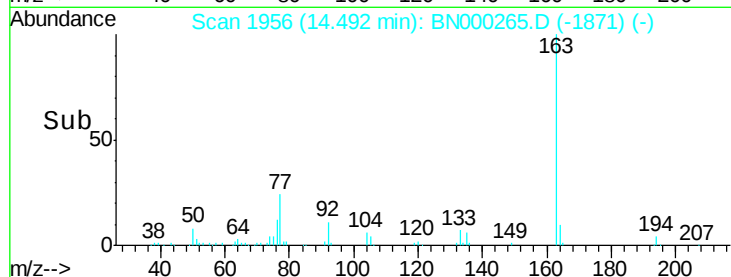
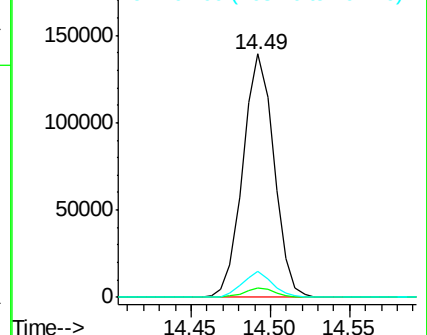
164 10.5 8.2 12.4



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



#50

2,6-Dinitrotoluene

Concen: 7.492 ng

RT: 15.06 min Scan# 2052

Delta R.T. 0.41 min

Lab File: BN000265.D

Acq: 06 Mar 2018 15:59

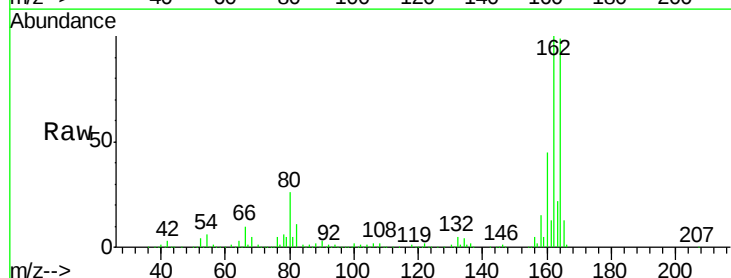
Tgt Ion:165 Resp: 98370

Ion Ratio Lower Upper

165 100

63 1.5 52.7 79.1#

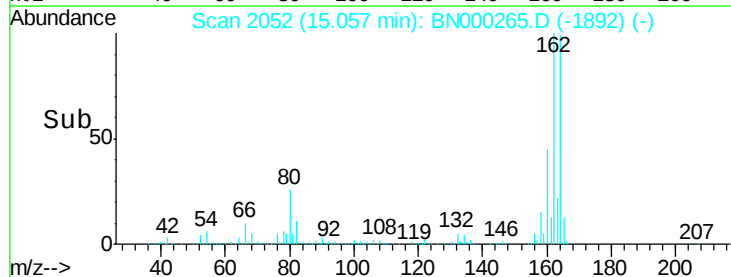
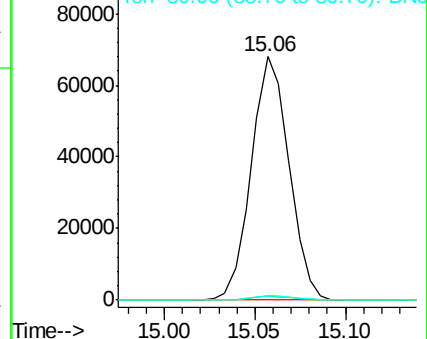
89 1.9 49.2 73.8#

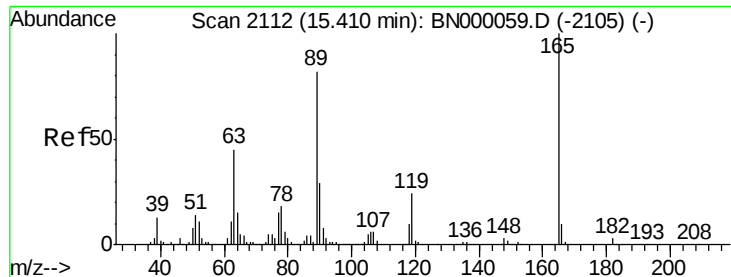


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC

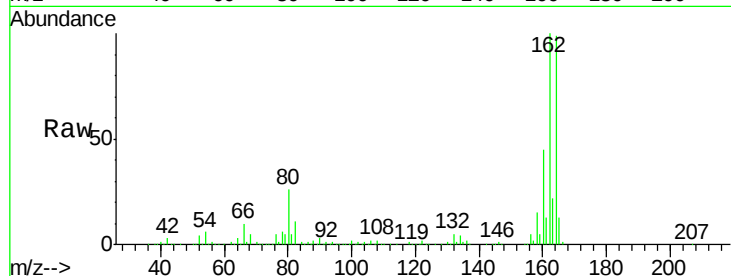




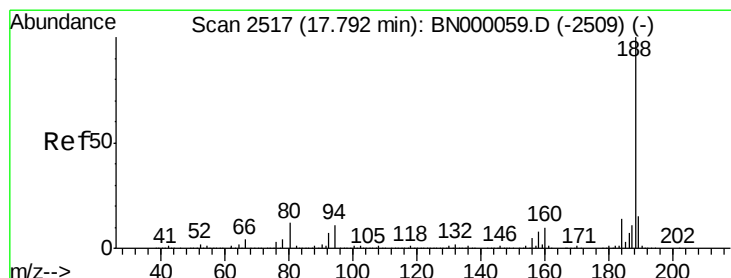
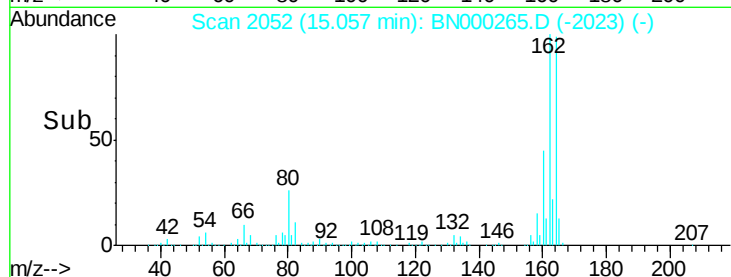
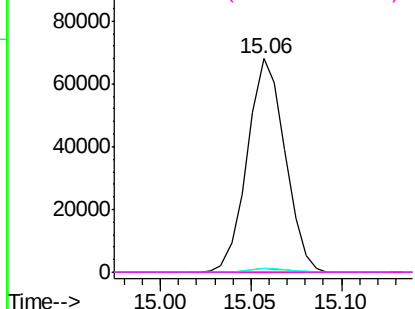
#56  
2,4-Dinitrotoluene  
Concen: 8.960 ng  
RT: 15.06 min Scan# 2052  
Delta R.T. -0.36 min  
Lab File: BN000265.D  
Acq: 06 Mar 2018 15:59

Instrument :  
BNA\_N  
ClientSampled :

Tot Ion:165 Resp: 98370  
Ion Ratio Lower Upper  
165 100  
63 1.5 42.0 63.0#  
89 1.9 66.9 100.3#  
182 0.0 2.6 3.8#

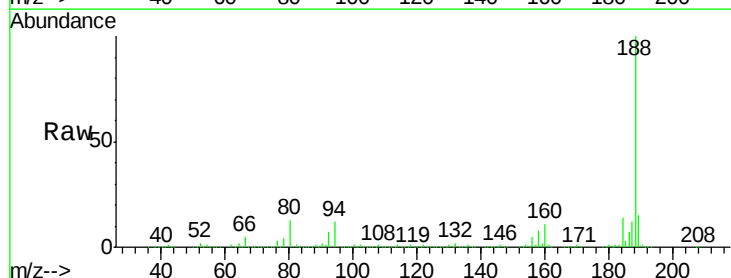


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BNC  
Ion 89.00 (88.70 to 89.70): BNC  
Ion 182.00 (181.70 to 182.70): E

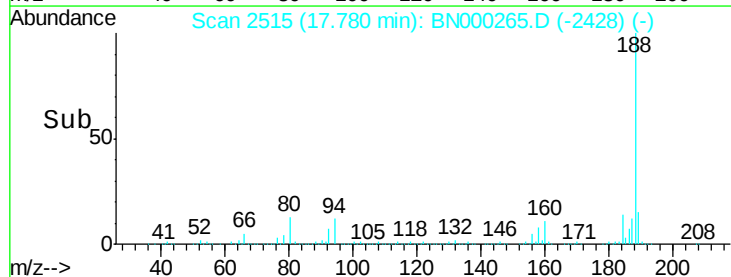
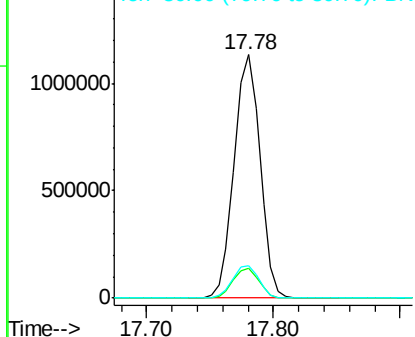


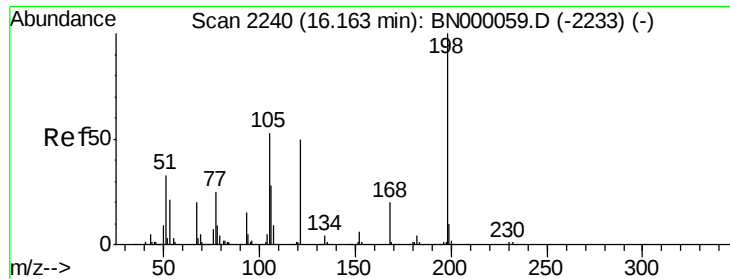
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.78 min Scan# 2515  
Delta R.T. -0.02 min  
Lab File: BN000265.D  
Acq: 06 Mar 2018 15:59

Tgt Ion:188 Resp: 1603244  
Ion Ratio Lower Upper  
188 100  
94 12.4 6.9 10.3#  
80 13.4 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BNC  
Ion 80.00 (79.70 to 80.70): BNC

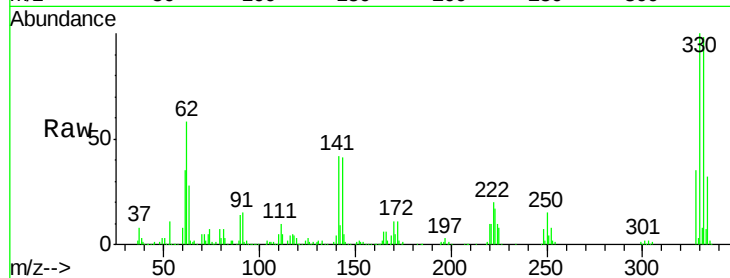




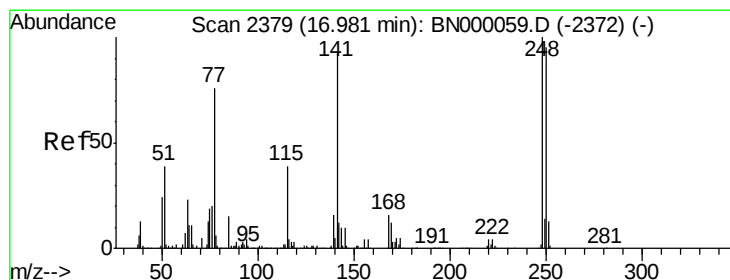
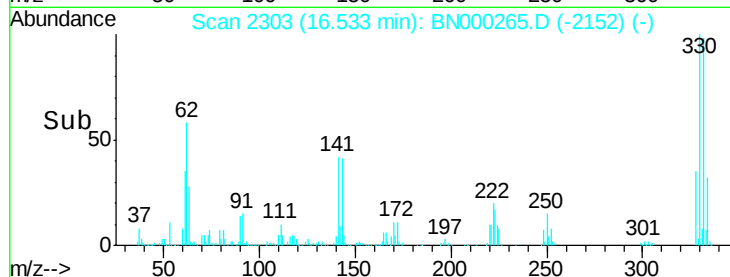
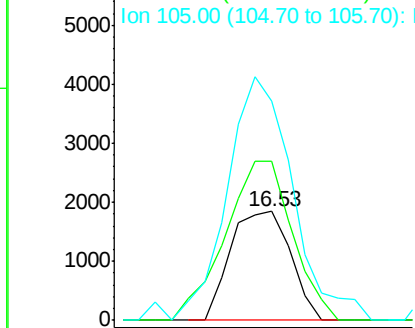
#64  
4,6-Dinitro-2-methylphenol  
Concen: 8.999 ng  
RT: 16.53 min Scan# 2303  
Delta R.T. 0.36 min  
Lab File: BN000265.D  
Acq: 06 Mar 2018 15:59

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:198 Resp: 2705  
Ion Ratio Lower Upper  
198 100  
51 145.8 30.6 70.6#  
105 201.7 23.8 63.8#

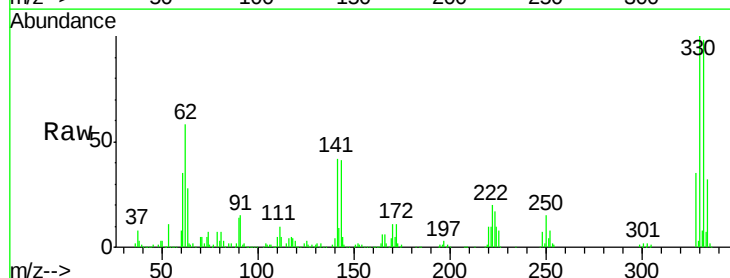


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BNO  
Ion 105.00 (104.70 to 105.70): E

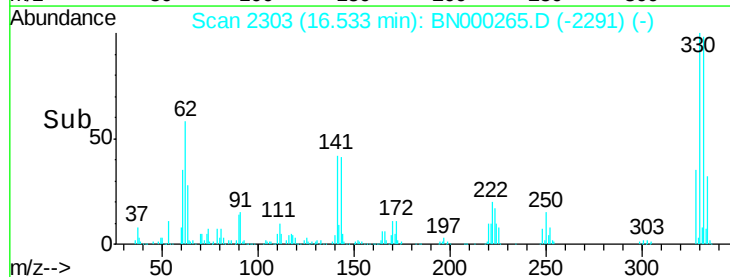
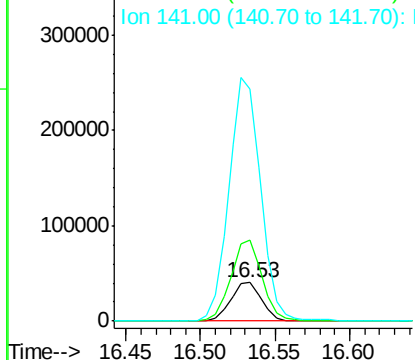


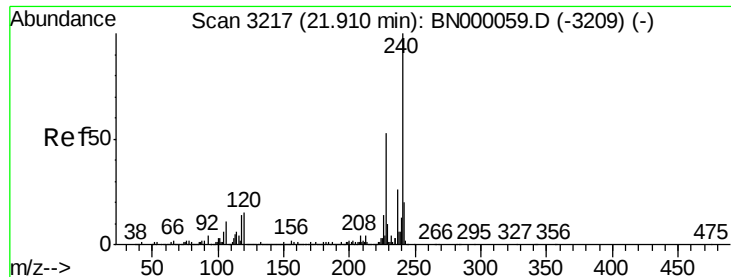
#66  
4-Bromophenyl-phenylether  
Concen: 3.849 ng  
RT: 16.53 min Scan# 2303  
Delta R.T. -0.46 min  
Lab File: BN000265.D  
Acq: 06 Mar 2018 15:59

Tgt Ion:248 Resp: 58682  
Ion Ratio Lower Upper  
248 100  
250 209.7 77.1 115.7#  
141 599.5 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: 21.89 min Scan# 3214

Delta R.T. -0.03 min

Lab File: BN000265.D

Acq: 06 Mar 2018 15:59

Instrument :

BNA\_N

ClientSampleId :

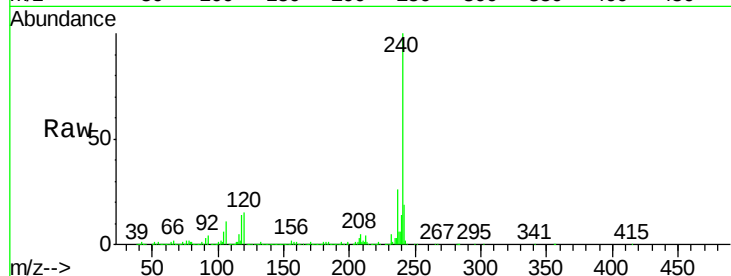
Tot Ion:240 Resp: 1587063

Ion Ratio Lower Upper

240 100

120 15.1 6.8 10.2#

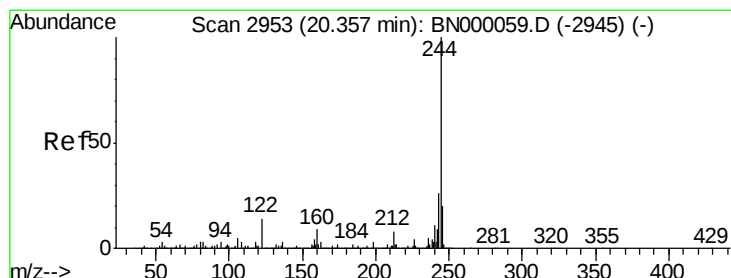
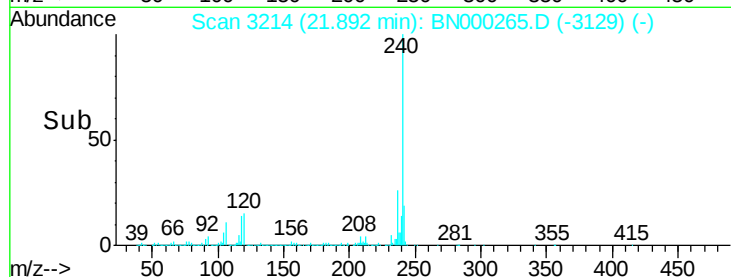
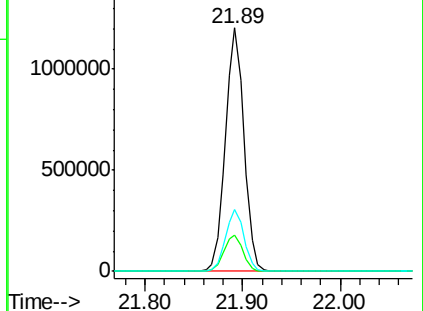
236 25.5 20.9 31.3



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: 79.173 ng

RT: 20.34 min Scan# 2950

Delta R.T. -0.02 min

Lab File: BN000265.D

Acq: 06 Mar 2018 15:59

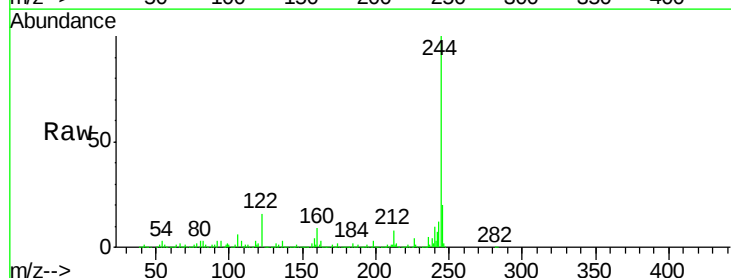
Tgt Ion:244 Resp: 4653532

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

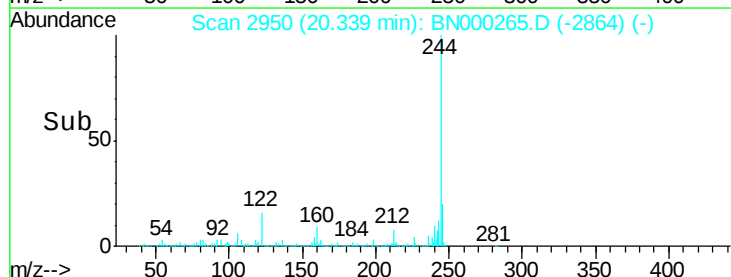
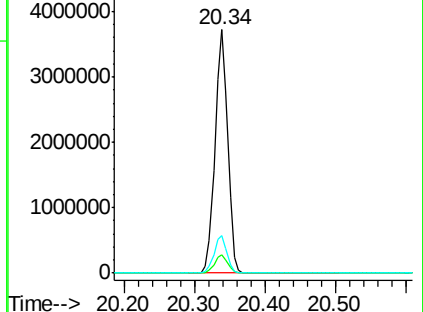
122 15.5 7.0 10.4#

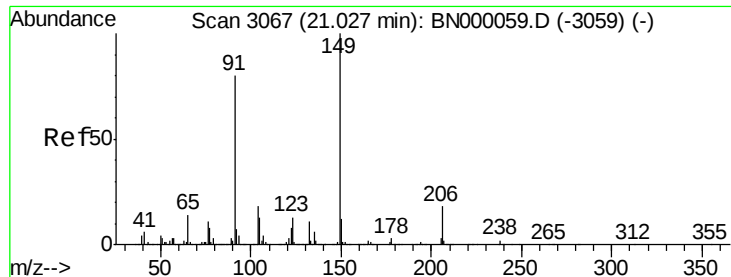


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

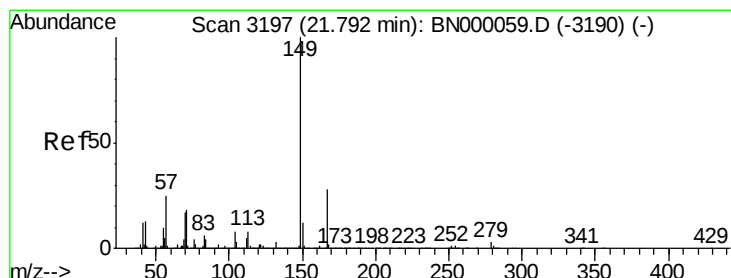
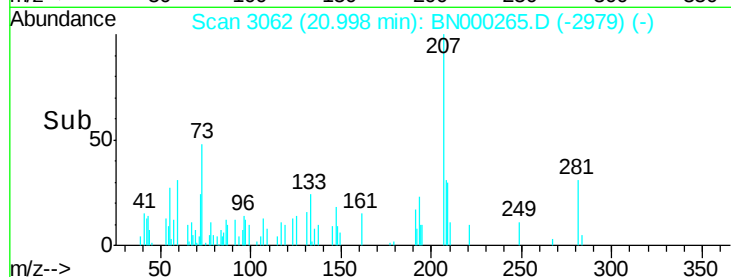
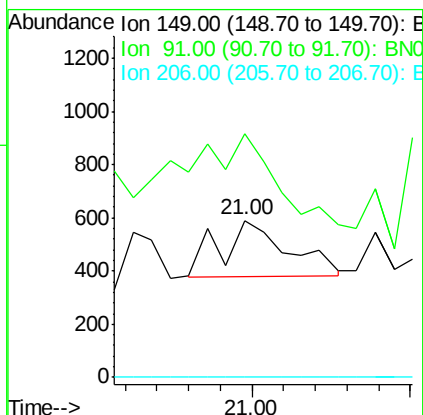
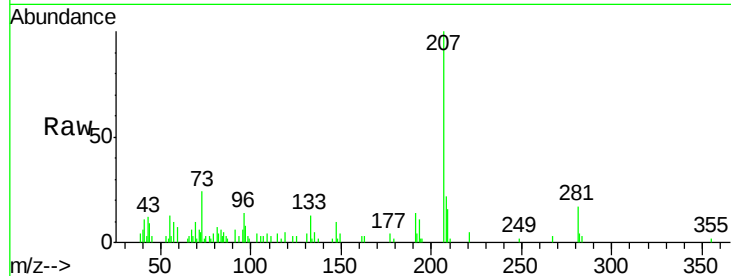




#79  
 Butylbenzylphthalate  
 Concen: 5.382 ng  
 RT: 21.00 min Scan# 3062  
 Delta R.T. -0.04 min  
 Lab File: BN000265.D  
 Acq: 06 Mar 2018 15:59

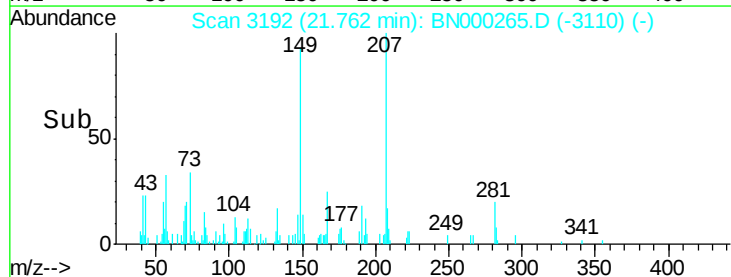
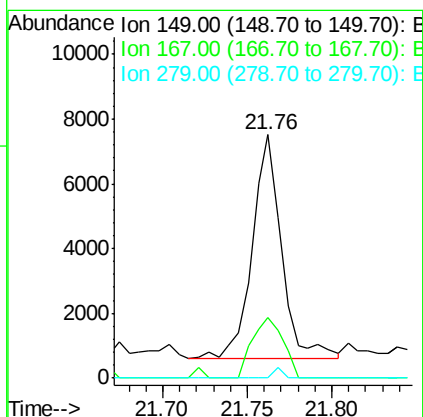
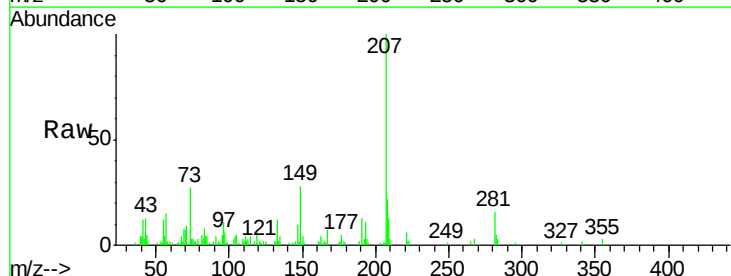
Instrument :  
 BNA\_N  
 ClientSampleId :

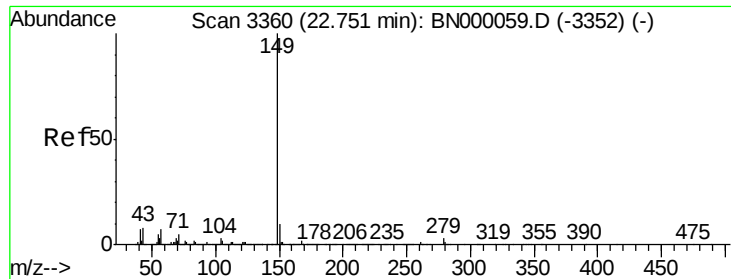
Tot Ion:149 Resp: 313  
 Ion Ratio Lower Upper  
 149 100  
 91 155.3 62.2 93.2#  
 206 0.0 18.6 27.8#



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.015 ng  
 RT: 21.76 min Scan# 3192  
 Delta R.T. -0.05 min  
 Lab File: BN000265.D  
 Acq: 06 Mar 2018 15:59

Tgt Ion:149 Resp: 8431  
 Ion Ratio Lower Upper  
 149 100  
 167 24.8 24.3 36.5  
 279 0.0 4.0 6.0#

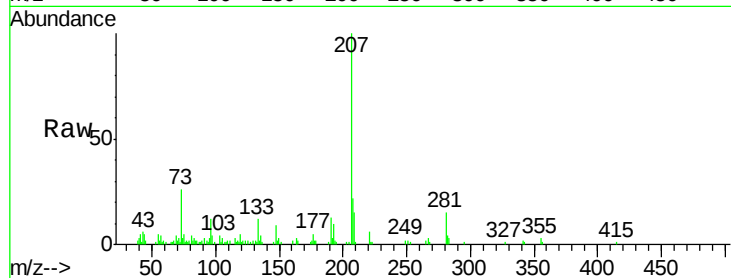




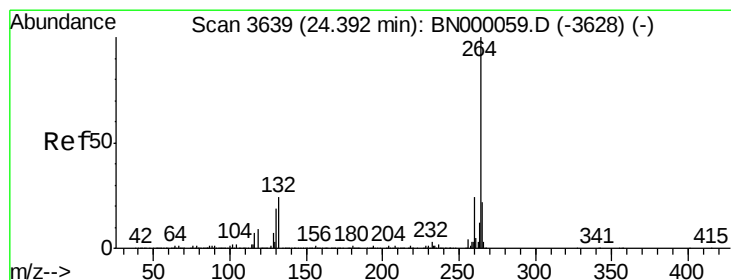
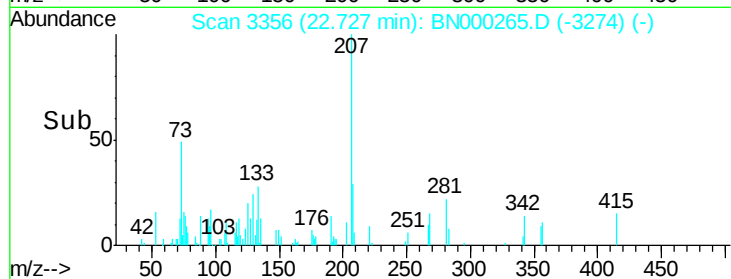
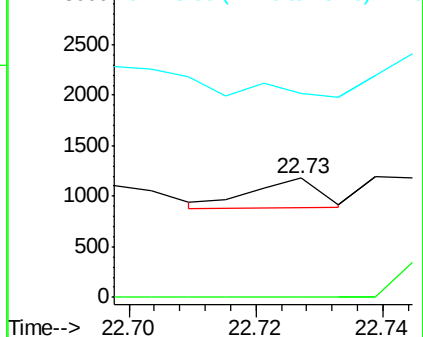
#84  
Di-n-octyl phthalate  
Concen: 6.732 ng  
RT: 22.73 min Scan# 3356  
Delta R.T. -0.05 min  
Lab File: BN000265.D  
Acq: 06 Mar 2018 15:59

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:149 Resp: 210  
Ion Ratio Lower Upper  
149 100  
167 0.0 1.4 2.0#  
43 0.0 8.9 13.3#

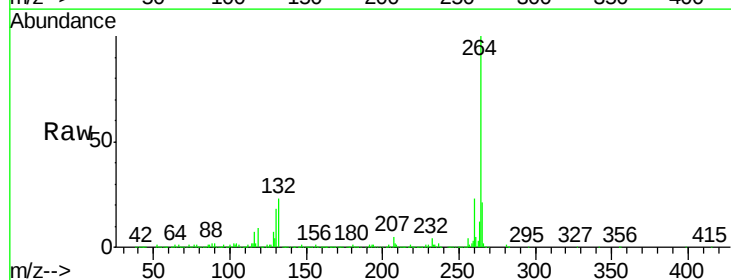


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BNC



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.37 min Scan# 3635  
Delta R.T. -0.05 min  
Lab File: BN000265.D  
Acq: 06 Mar 2018 15:59

Tgt Ion:264 Resp: 1602781  
Ion Ratio Lower Upper  
264 100  
260 23.4 17.4 26.0  
265 21.1 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

