

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121620\  
 Data File : BN013157.D  
 Acq On : 16 Dec 2020 07:43  
 Operator : CG/JU  
 Sample : L4996-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D7-20201207

Quant Time: Dec 16 08:43:30 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 15 16:49:20 2020  
 Response via : Initial Calibration

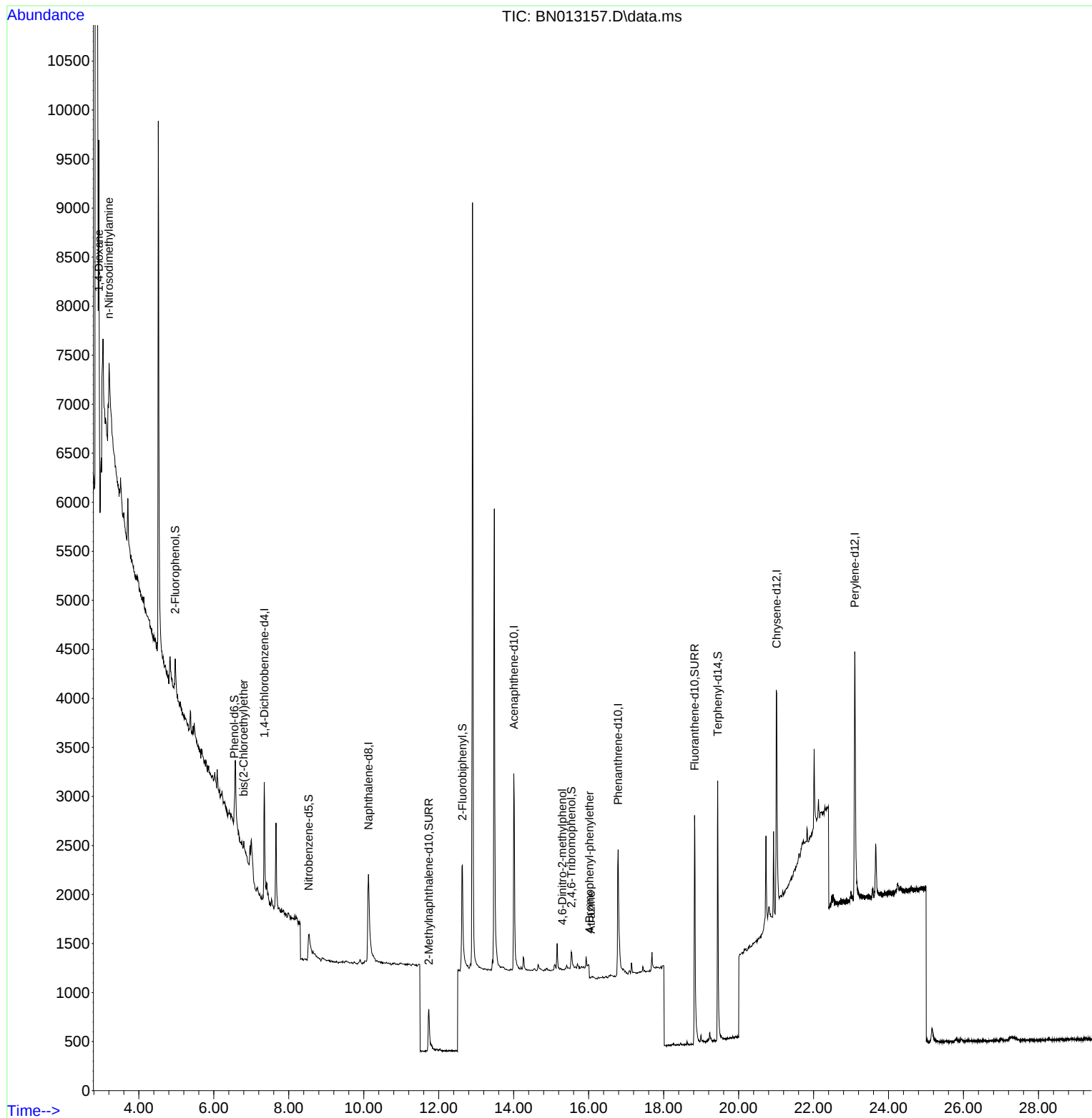
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.346  | 152  | 718      | 0.40      | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.125 | 136  | 2323     | 0.40      | ng    | # 0.01   |
| 13) Acenaphthene-d10          | 14.004 | 164  | 1476     | 0.40      | ng    | -0.01    |
| 19) Phenanthrene-d10          | 16.788 | 188  | 3159     | 0.40      | ng    | # 0.01   |
| 29) Chrysene-d12              | 21.016 | 240  | 3447     | 0.40      | ng    | # 0.01   |
| 36) Perylene-d12              | 23.099 | 264  | 3917     | 0.40      | ng    | # 0.00   |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 4) 2-Fluorophenol             | 4.970  | 112  | 353      | 0.12      | ng    | 0.00     |
| 5) Phenol-d6                  | 6.549  | 99   | 236      | 0.08      | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.528  | 82   | 610      | 0.25      | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 11.733 | 152  | 1062     | 0.26      | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.539 | 330  | 217      | 0.23      | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.633 | 172  | 1580     | 0.26      | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.826 | 212  | 3875     | 0.37      | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.442 | 244  | 3461     | 0.40      | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.933  | 88   | 2059     | 1.64      | ng    | # 93     |
| 3) n-Nitrosodimethylamine     | 3.207  | 42   | 189      | 0.09      | ng    | # 16     |
| 6) bis(2-Chloroethyl)ether    | 6.798  | 93   | 66       | 0.04      | ng    | 94       |
| 20) 4,6-Dinitro-2-methylph... | 15.298 | 198  | 1        | 0.19      | ng    | # 1      |
| 21) 4-Bromophenyl-phenylether | 16.021 | 248  | 139      | 0.23      | ng    | # 75     |
| 23) Atrazine                  | 16.058 | 200  | 304      | 0.16      | ng    | # 3      |
| 34) Bis(2-ethylhexyl)phtha... | 20.932 | 149  | 762      | Below Cal |       | # 97     |
| -----                         |        |      |          |           |       |          |

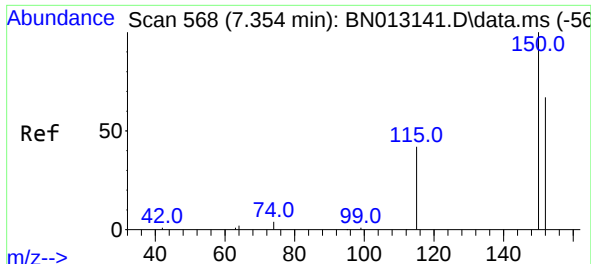
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121620\  
Data File : BN013157.D  
Acq On : 16 Dec 2020 07:43  
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Sample : L4996-16  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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Quant Time: Dec 16 08:43:30 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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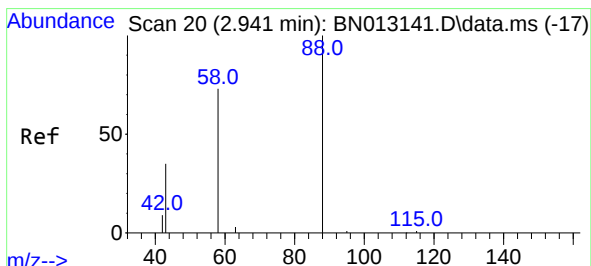
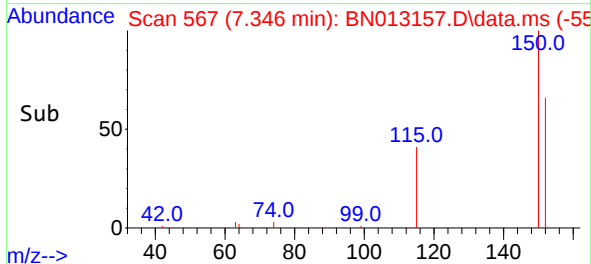
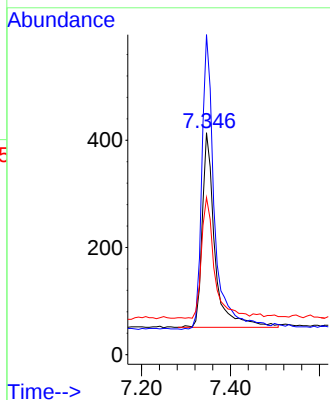
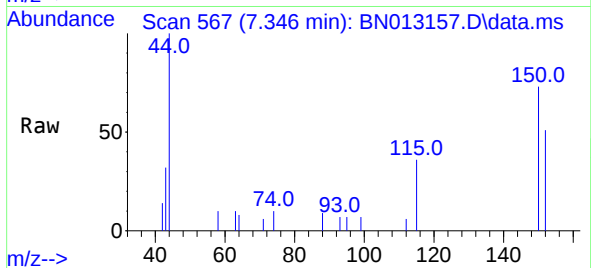




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.346 min Scan# 567  
Delta R.T. -0.008 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

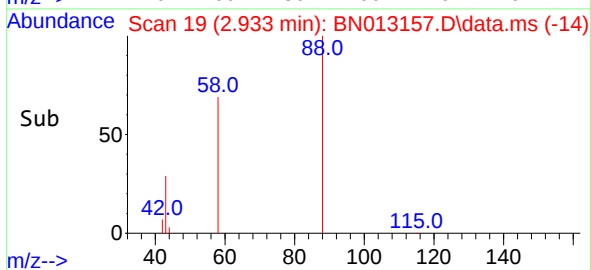
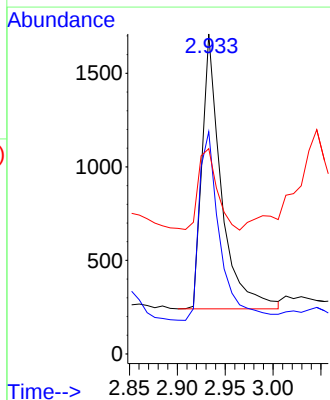
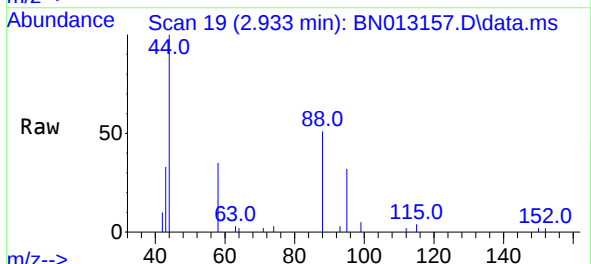
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D7-20201207

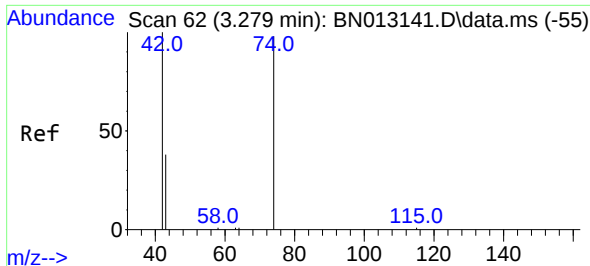
Tgt Ion:152 Resp: 718  
Ion Ratio Lower Upper  
152 100  
150 144.2 116.6 174.8  
115 70.8 52.9 79.3



#2  
1,4-Dioxane  
Concen: 1.64 ng  
RT: 2.933 min Scan# 19  
Delta R.T. -0.008 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

Tgt Ion: 88 Resp: 2059  
Ion Ratio Lower Upper  
88 100  
58 74.0 59.4 89.2  
43 28.8 32.3 48.5

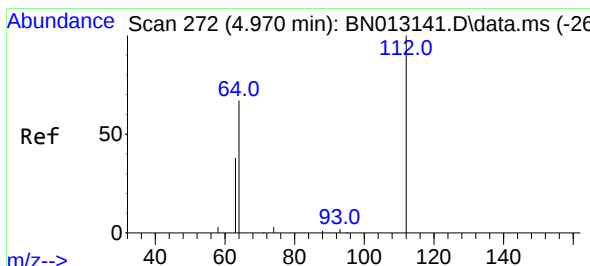
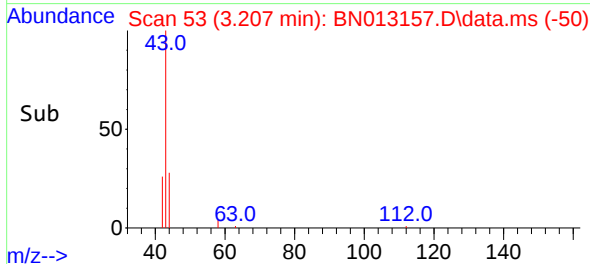
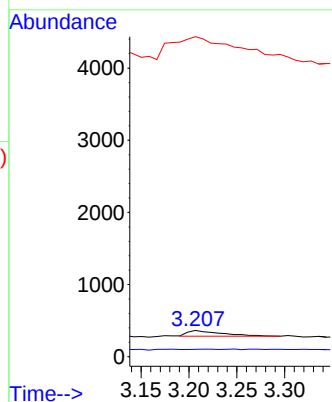
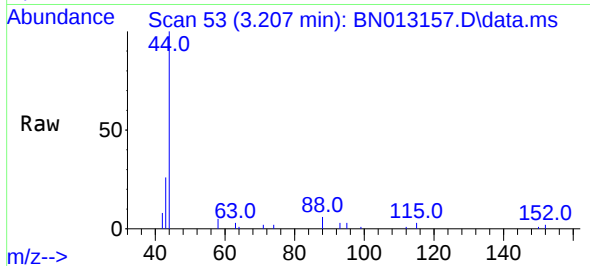




#3  
n-Nitrosodimethylamine  
Concen: 0.09 ng  
RT: 3.207 min Scan# 53  
Delta R.T. -0.072 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

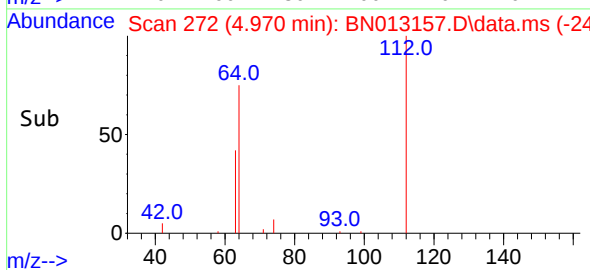
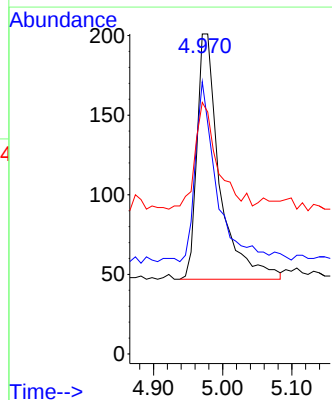
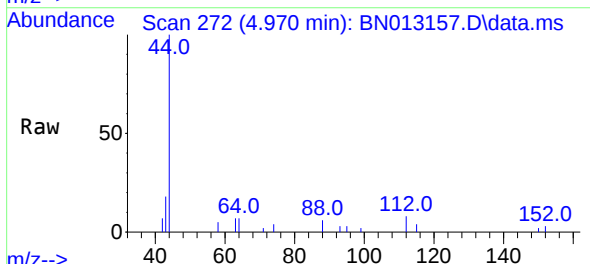
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D7-20201207

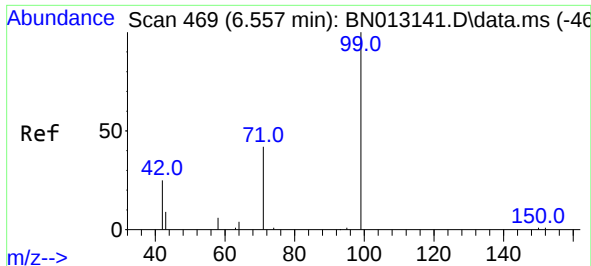
Tgt Ion: 42 Resp: 189  
Ion Ratio Lower Upper  
42 100  
74 3.7 64.4 96.6#  
44 0.0 2.8 4.2#



#4  
2-Fluorophenol  
Concen: 0.12 ng  
RT: 4.970 min Scan# 272  
Delta R.T. 0.000 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

Tgt Ion: 112 Resp: 353  
Ion Ratio Lower Upper  
112 100  
64 68.6 49.5 74.3  
63 43.9 32.0 48.0



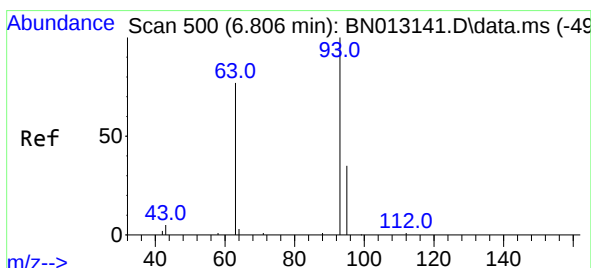
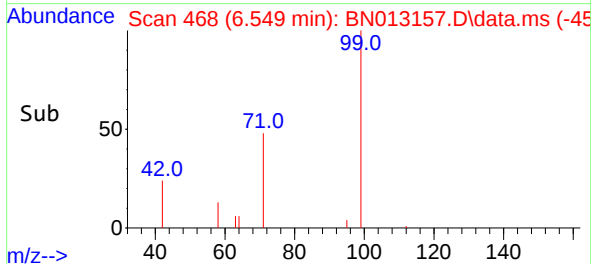
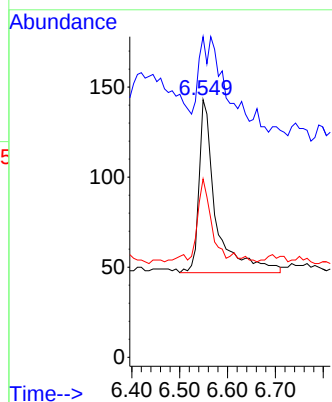
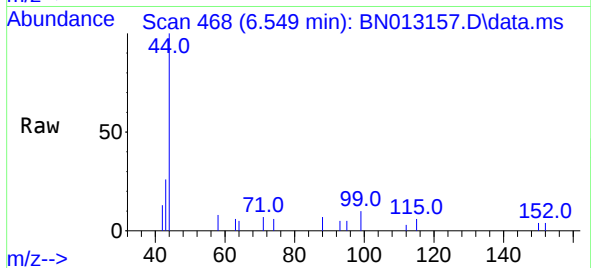


#5  
Phenol-d6  
Concen: 0.08 ng  
RT: 6.549 min Scan# 468  
Delta R.T. -0.008 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

Instrument :  
BNA\_N  
ClientSampleId :  
RE132D7-20201207

Tgt Ion: 99 Resp: 236

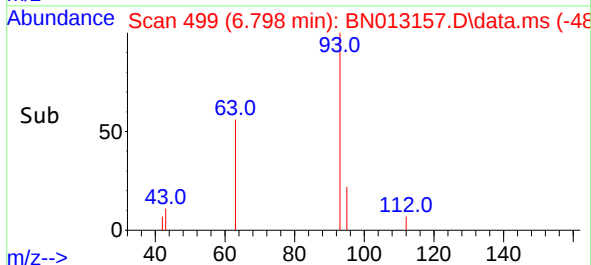
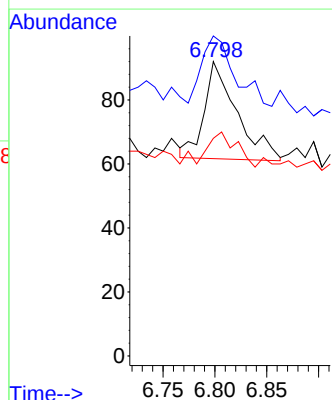
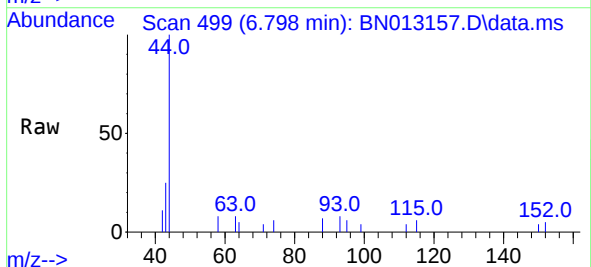
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.5  | 22.4  | 33.6  |
| 71  | 40.7  | 37.8  | 56.6  |

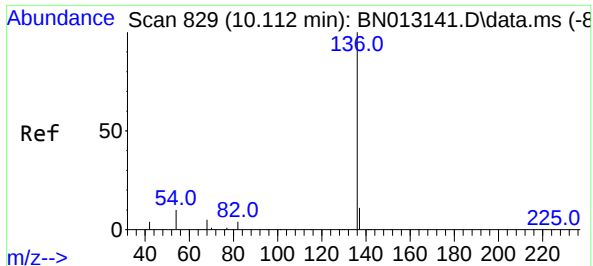


#6  
bis(2-Chloroethyl)ether  
Concen: 0.04 ng  
RT: 6.798 min Scan# 499  
Delta R.T. -0.008 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

Tgt Ion: 93 Resp: 66

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 72.7  | 63.1  | 94.7  |
| 95  | 30.3  | 26.1  | 39.1  |



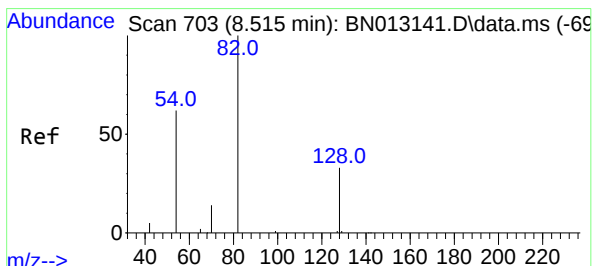
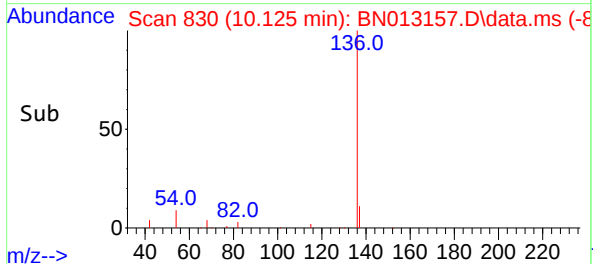
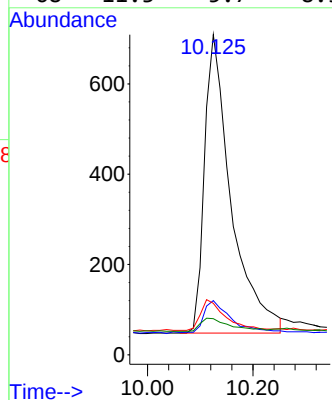
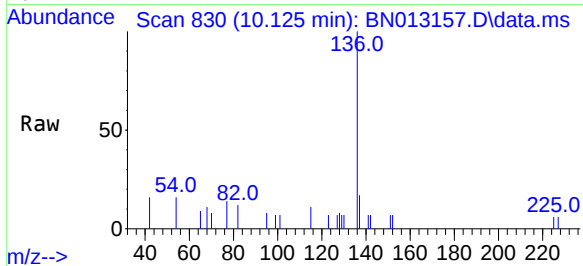


#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.125 min Scan# 830  
Delta R.T. 0.013 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

Instrument :  
BNA\_N  
ClientSampleId :  
RE132D7-20201207

Tgt Ion:136 Resp: 2323

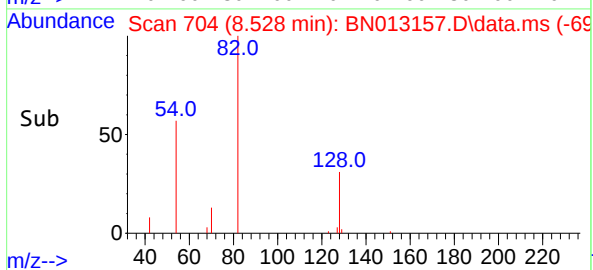
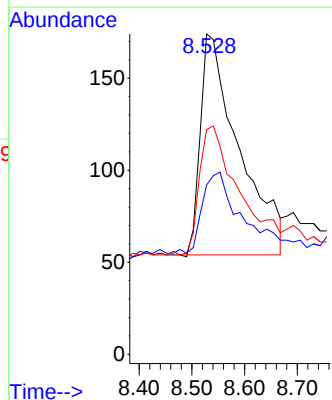
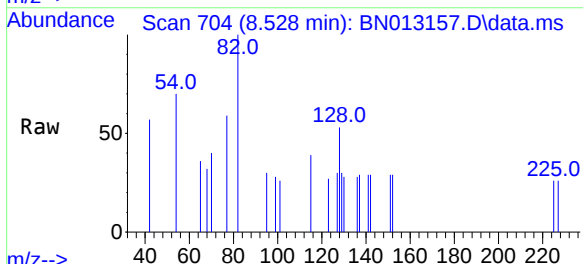
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 16.9  | 10.6  | 15.8# |
| 54  | 16.1  | 8.6   | 12.8# |
| 68  | 11.3  | 5.7   | 8.5#  |

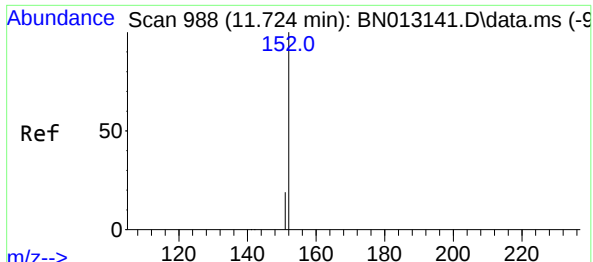


#8  
Nitrobenzene-d5  
Concen: 0.25 ng  
RT: 8.528 min Scan# 704  
Delta R.T. 0.013 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

Tgt Ion: 82 Resp: 610

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 52.9  | 30.6  | 46.0# |
| 54  | 70.1  | 48.3  | 72.5  |

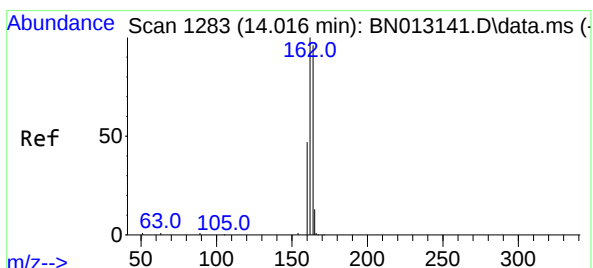
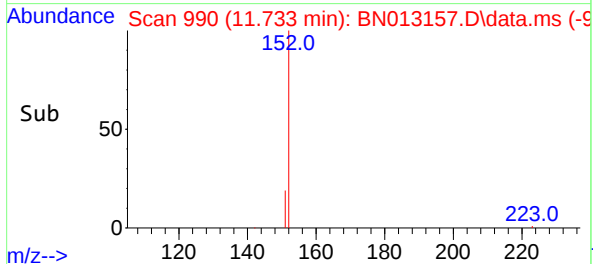
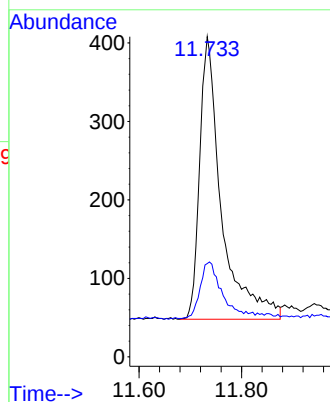
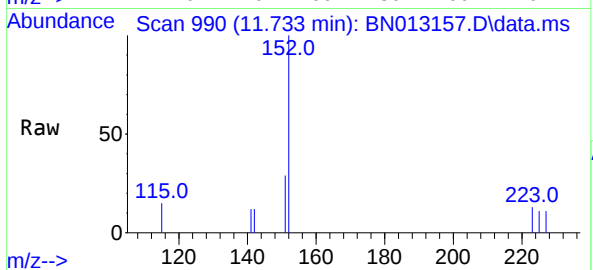




#11  
2-Methylnaphthalene-d10  
Concen: 0.26 ng  
RT: 11.733 min Scan# 990  
Delta R.T. 0.009 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

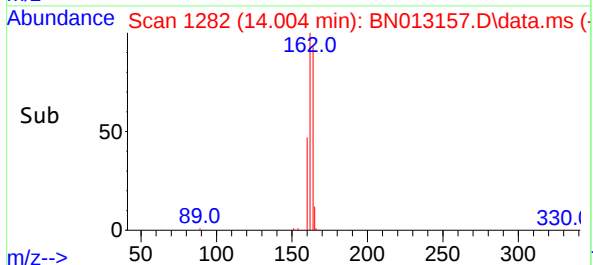
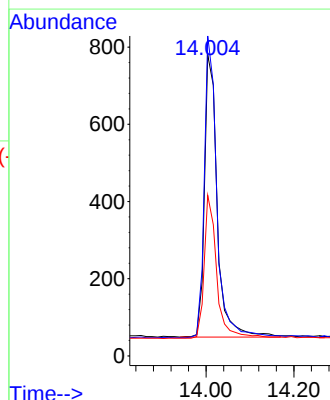
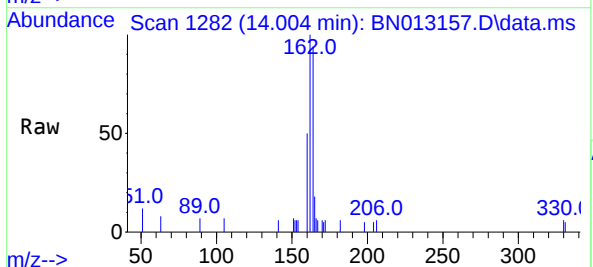
Instrument :  
BNA\_N  
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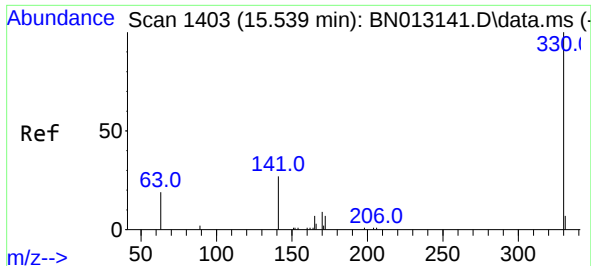
Tgt Ion:152 Resp: 1062  
Ion Ratio Lower Upper  
152 100  
151 19.4 16.7 25.1



#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.004 min Scan# 1282  
Delta R.T. -0.012 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

Tgt Ion:164 Resp: 1476  
Ion Ratio Lower Upper  
164 100  
162 106.3 80.6 120.8  
160 53.3 39.5 59.3

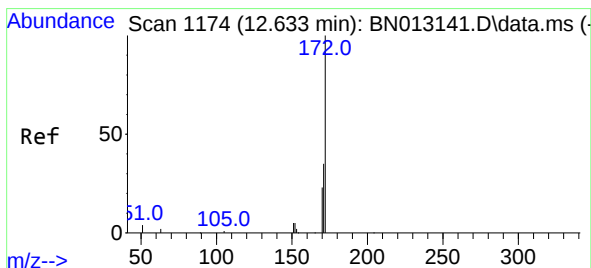
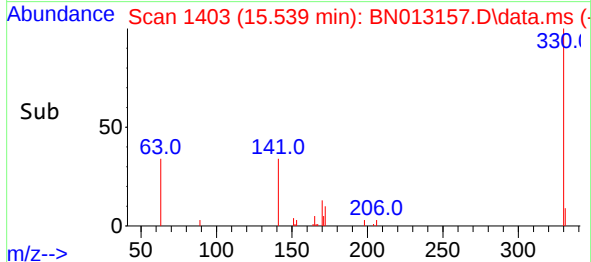
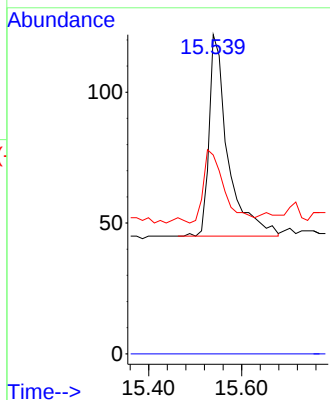
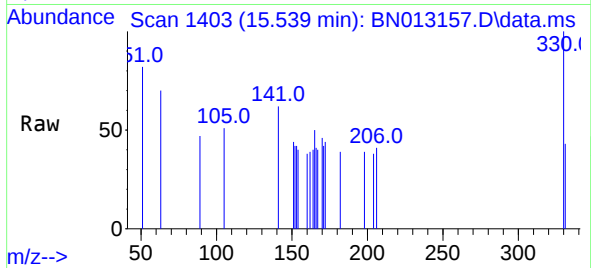




#14  
2,4,6-Tribromophenol  
Concen: 0.23 ng  
RT: 15.539 min Scan# 1403  
Delta R.T. 0.000 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

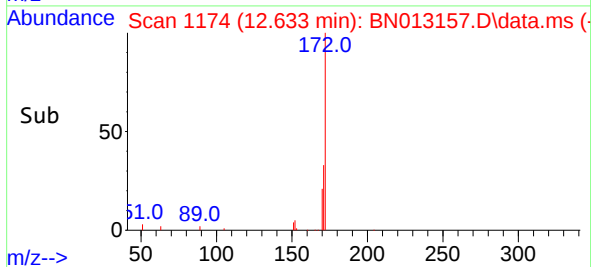
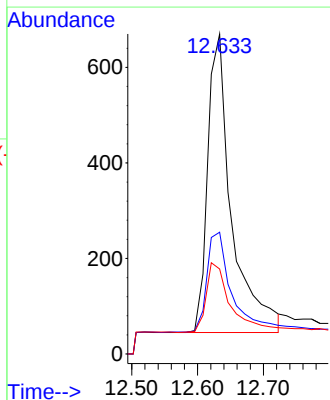
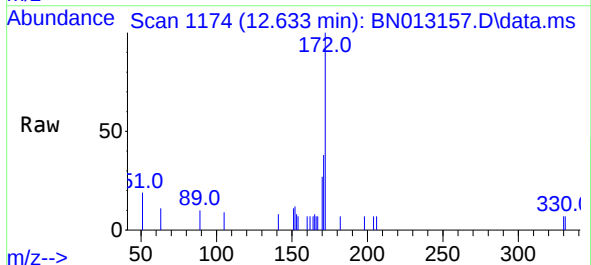
Instrument :  
BNA\_N  
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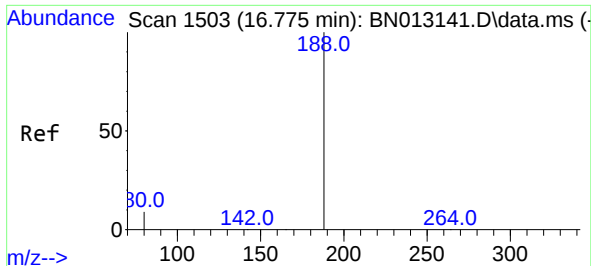
Tgt Ion:330 Resp: 217  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 40.6 34.4 51.6



#15  
2-Fluorobiphenyl  
Concen: 0.26 ng  
RT: 12.633 min Scan# 1174  
Delta R.T. 0.000 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

Tgt Ion:172 Resp: 1580  
Ion Ratio Lower Upper  
172 100  
171 38.1 28.2 42.4  
170 26.6 20.0 30.0

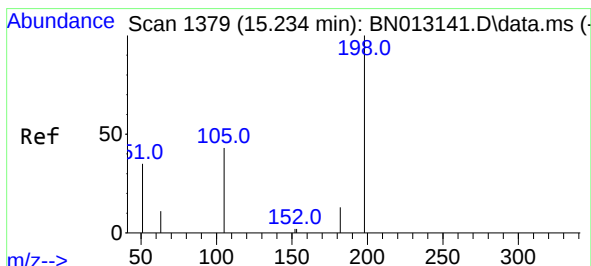
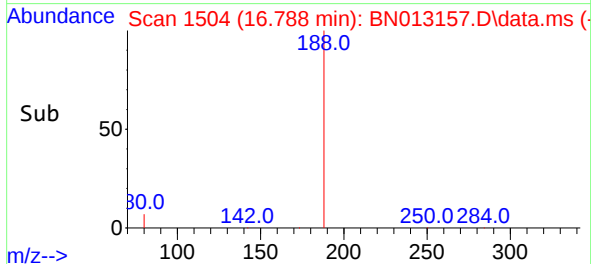
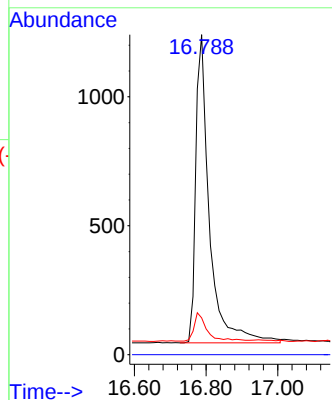
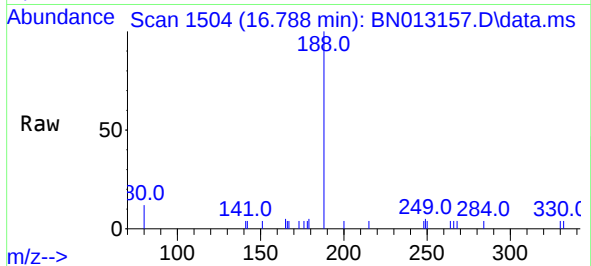




#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 16.788 min Scan# 1504  
Delta R.T. 0.013 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

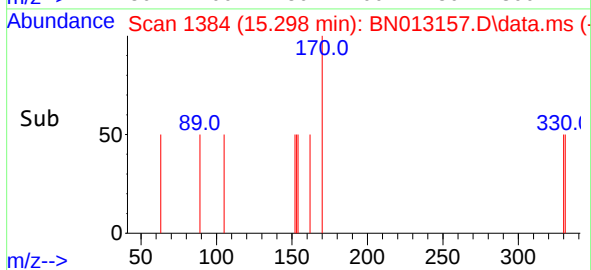
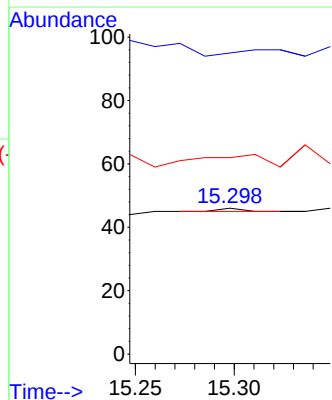
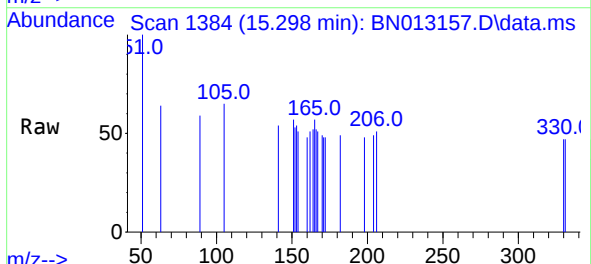
Instrument :  
BNA\_N  
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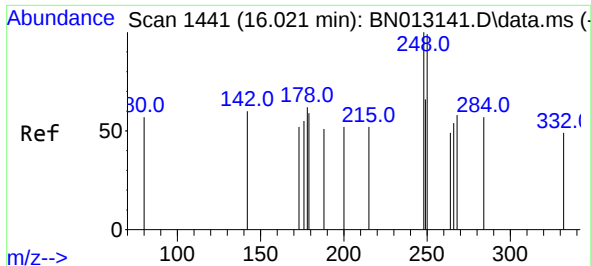
|             |       |       |
|-------------|-------|-------|
| Tgt Ion:188 | Resp: | 3159  |
| Ion Ratio   | Lower | Upper |
| 188         | 100   |       |
| 94          | 0.0   | 0.0   |
| 80          | 11.5  | 5.0   |



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.19 ng  
RT: 15.298 min Scan# 1384  
Delta R.T. 0.064 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:198 | Resp: | 1     |
| Ion Ratio   | Lower | Upper |
| 198         | 100   |       |
| 51          | 206.5 | 43.5  |
| 105         | 134.8 | 27.2  |

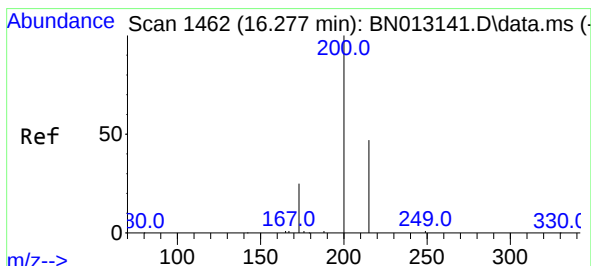
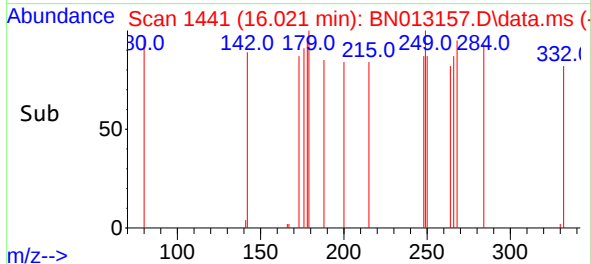
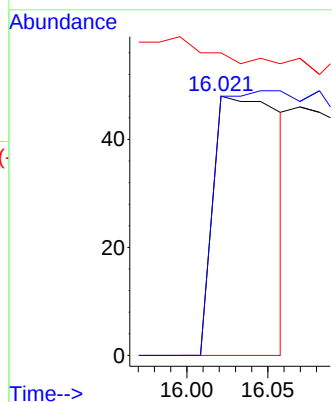
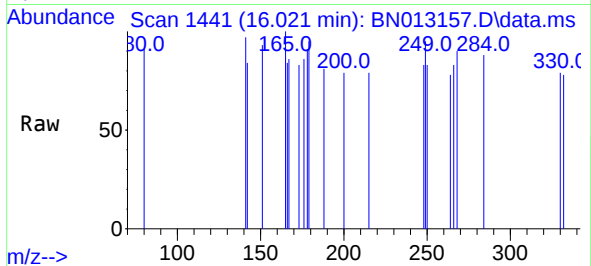




#21  
4-Bromophenyl-phenylether  
Concen: 0.23 ng  
RT: 16.021 min Scan# 1441  
Delta R.T. 0.000 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

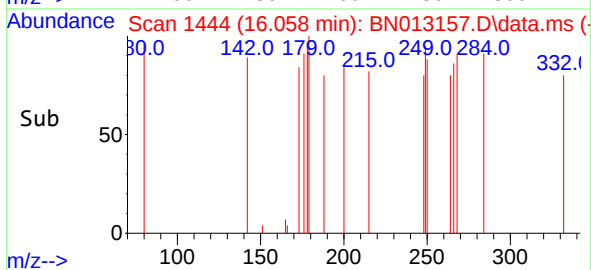
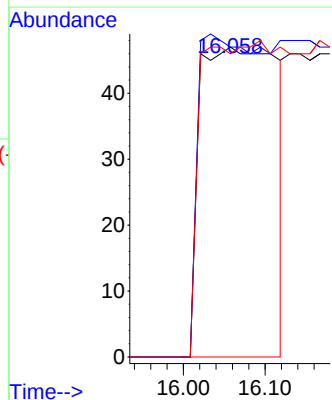
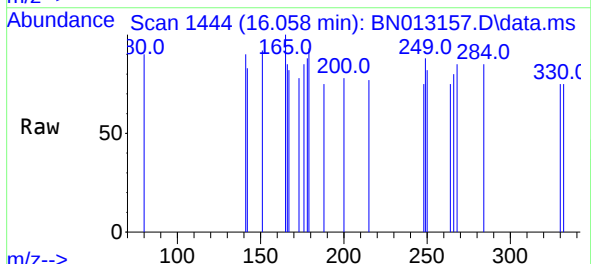
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D7-20201207

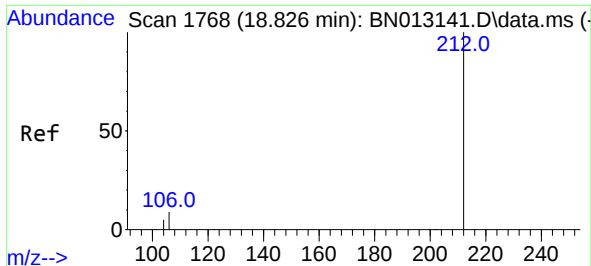
Tgt Ion:248 Resp: 139  
Ion Ratio Lower Upper  
248 100  
250 100.0 77.3 115.9  
141 116.7 57.8 86.8#



#23  
Atrazine  
Concen: 0.16 ng  
RT: 16.058 min Scan# 1444  
Delta R.T. -0.219 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

Tgt Ion:200 Resp: 304  
Ion Ratio Lower Upper  
200 100  
173 100.0 22.8 34.2#  
215 97.9 38.1 57.1#

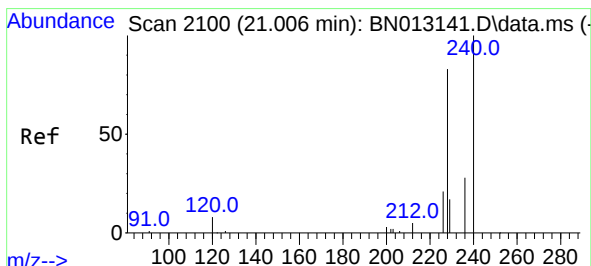
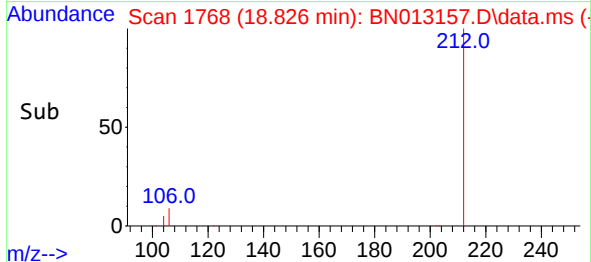
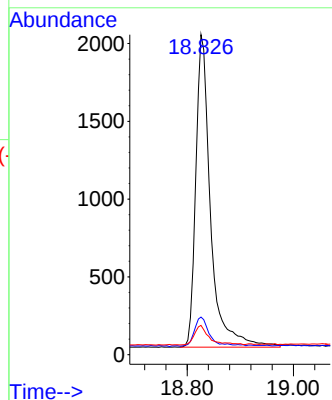
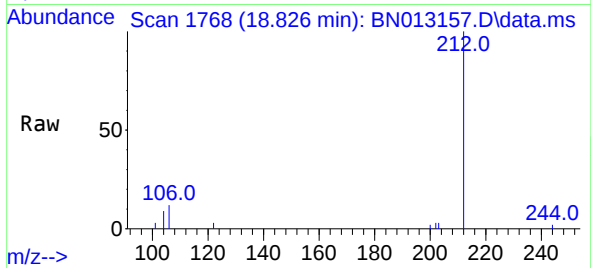




#27  
Fluoranthene-d10  
Concen: 0.37 ng  
RT: 18.826 min Scan# 1768  
Delta R.T. 0.000 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

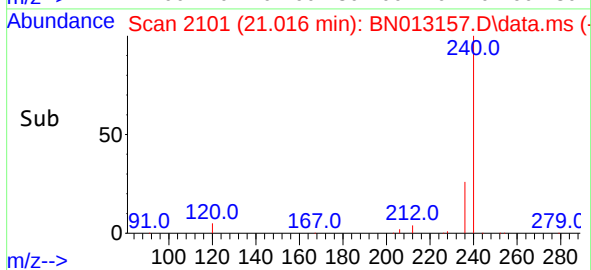
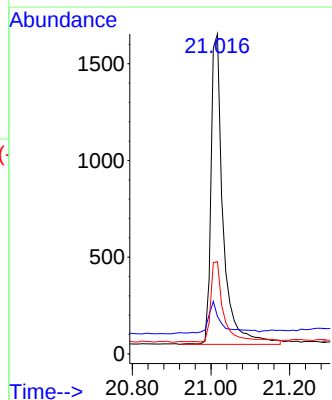
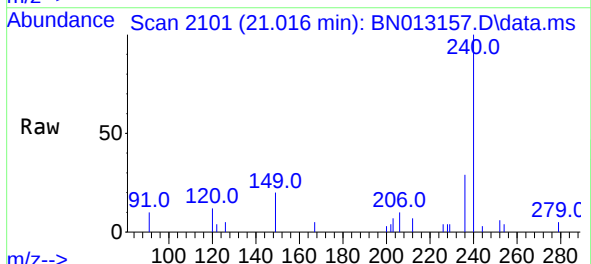
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D7-20201207

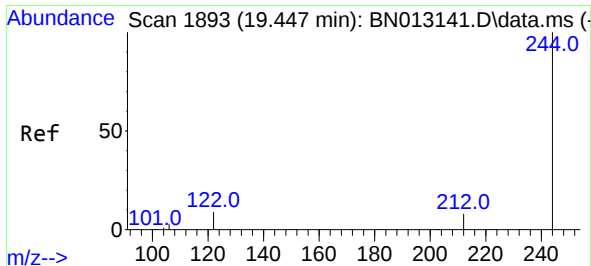
Tgt Ion:212 Resp: 3875  
Ion Ratio Lower Upper  
212 100  
106 9.2 6.8 10.2  
104 6.3 4.1 6.1#



#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.016 min Scan# 2101  
Delta R.T. 0.010 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

Tgt Ion:240 Resp: 3447  
Ion Ratio Lower Upper  
240 100  
120 11.7 5.3 7.9#  
236 28.8 21.8 32.8

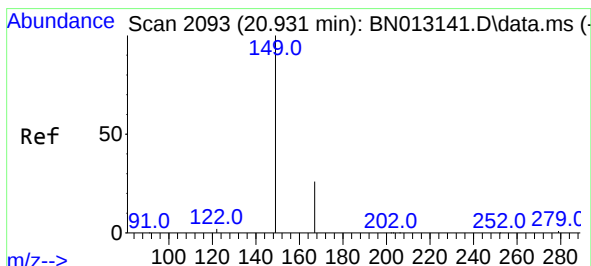
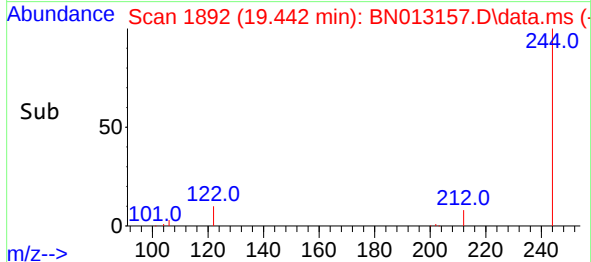
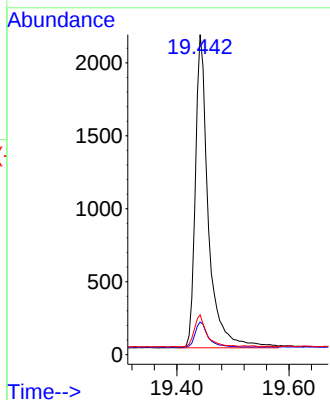
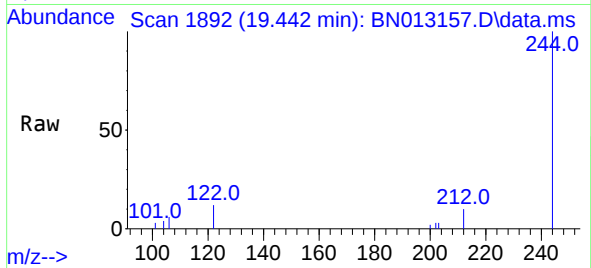




#31  
Terphenyl-d14  
Concen: 0.40 ng  
RT: 19.442 min Scan# 1892  
Delta R.T. -0.005 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

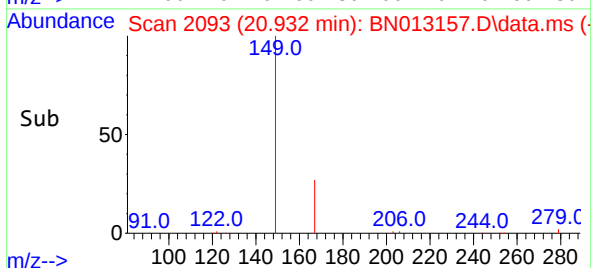
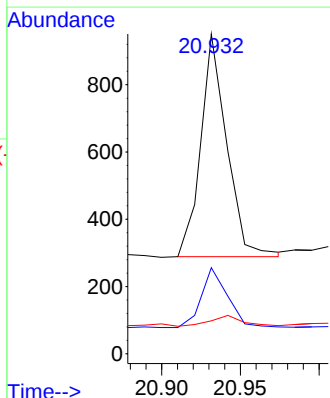
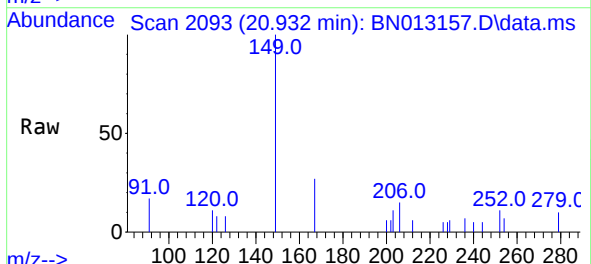
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D7-20201207

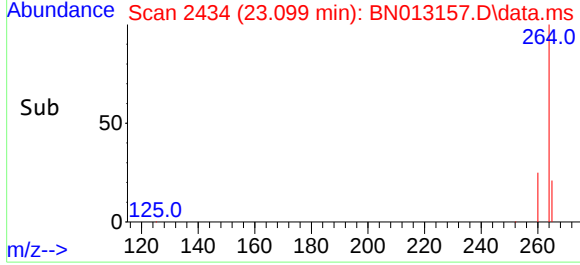
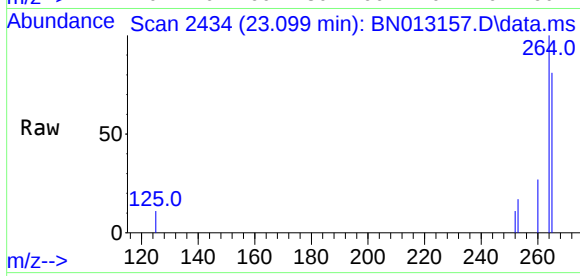
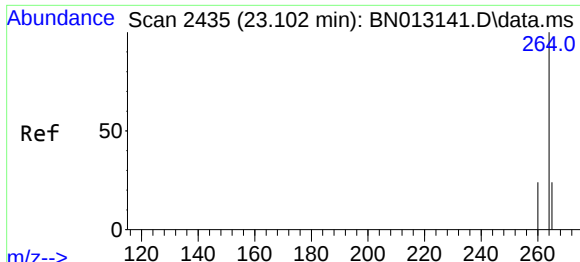
Tgt Ion:244 Resp: 3461  
Ion Ratio Lower Upper  
244 100  
212 10.2 7.3 10.9  
122 12.4 7.3 10.9#



#34  
Bis(2-ethylhexyl)phthalate  
Concen: Below Cal  
RT: 20.932 min Scan# 2093  
Delta R.T. 0.000 min  
Lab File: BN013157.D  
Acq: 16 Dec 2020 07:43

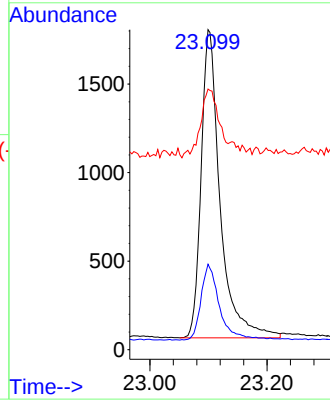
Tgt Ion:149 Resp: 762  
Ion Ratio Lower Upper  
149 100  
167 27.2 23.2 34.8  
279 5.9 3.9 5.9#





#36  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.099 min Scan# 2434  
 Delta R.T. -0.003 min  
 Lab File: BN013157.D  
 Acq: 16 Dec 2020 07:43

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:264 | Resp: | 3917       |
| Ion Ratio   | Lower | Upper      |
| 264         | 100   |            |
| 260         | 26.7  | 19.8 29.6  |
| 265         | 81.5  | 51.4 77.0# |



Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D7-20201207