

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032321\  
 Data File : BN014059.D  
 Acq On : 24 Mar 2021 02:53  
 Operator : CG/JU  
 Sample : M1735-15  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT101D1-20210316

Quant Time: Mar 24 04:00:52 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN032021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 23 11:06:27 2021  
 Response via : Initial Calibration

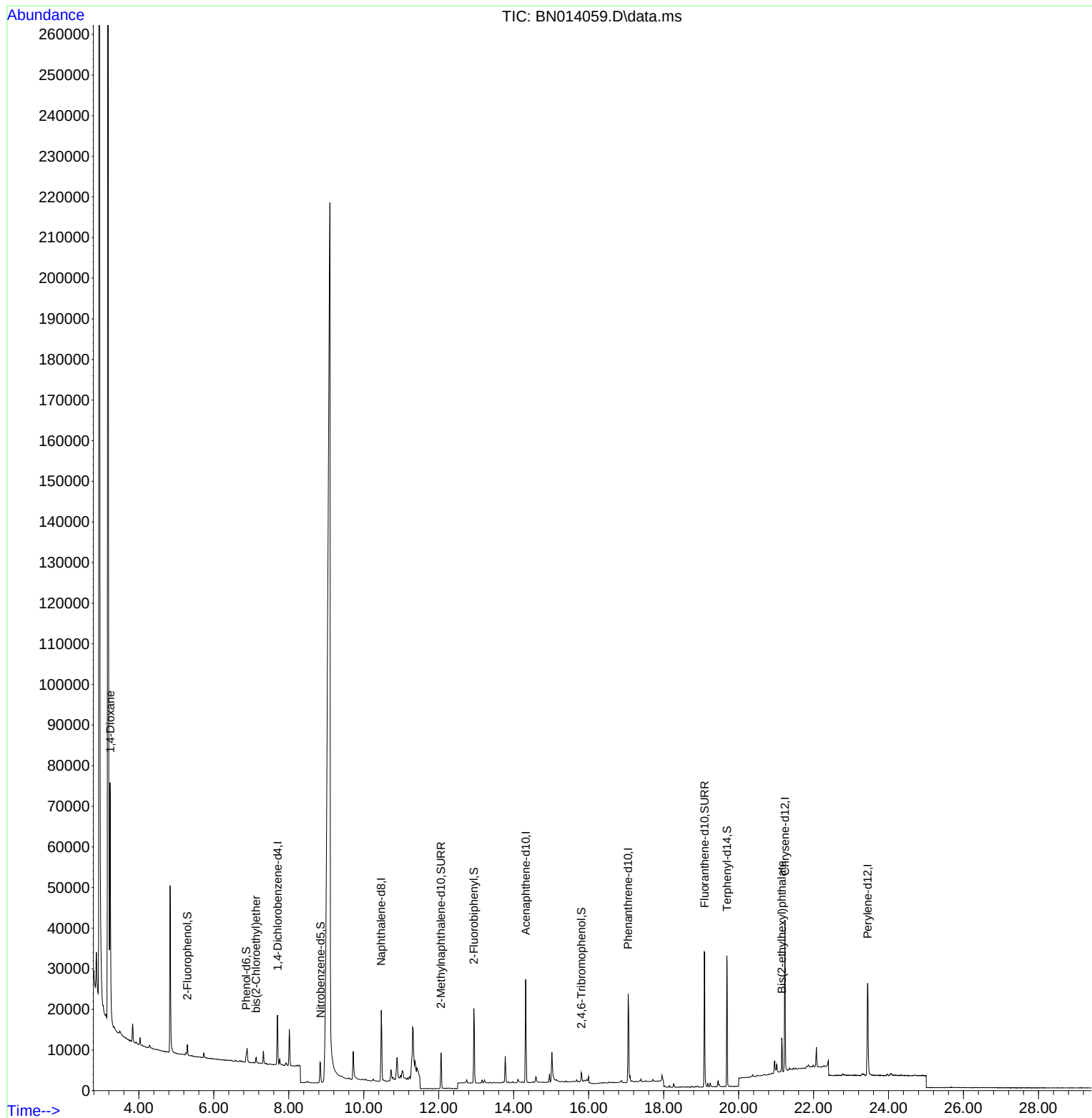
| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.700  | 152  | 5764     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.467 | 136  | 22865    | 0.40 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.321 | 164  | 14030    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.055 | 188  | 31048    | 0.40 | ng    | -0.01    |
| 29) Chrysene-d12              | 21.237 | 240  | 33082    | 0.40 | ng    | # 0.00   |
| 36) Perylene-d12              | 23.442 | 264  | 30450    | 0.40 | ng    | # 0.00   |
|                               |        |      |          |      |       |          |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.292  | 112  | 1920     | 0.14 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.863  | 99   | 1442     | 0.09 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.845  | 82   | 4715     | 0.31 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.062 | 152  | 12065    | 0.34 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.805 | 330  | 1557     | 0.34 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.938 | 172  | 16870    | 0.32 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.091 | 212  | 37420    | 0.43 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.687 | 244  | 32465    | 0.45 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| Target Compounds              |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.239  | 88   | 32954    | 4.34 | ng    | 96       |
| 6) bis(2-Chloroethyl)ether    | 7.129  | 93   | 1158     | 0.08 | ng    | 96       |
| 34) Bis(2-ethylhexyl)phtha... | 21.152 | 149  | 7944     | 0.23 | ng    | 100      |
| -----                         |        |      |          |      |       |          |

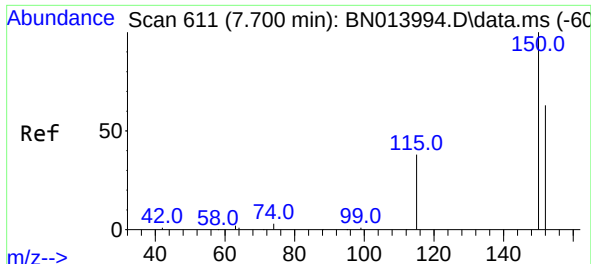
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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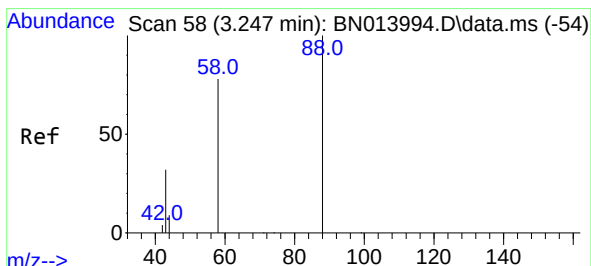
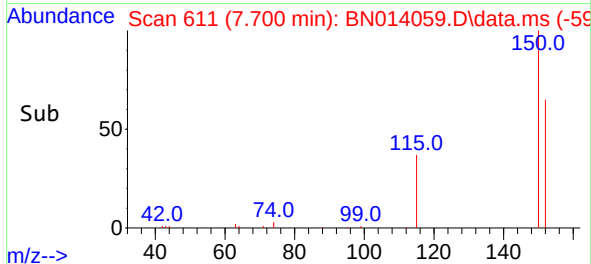
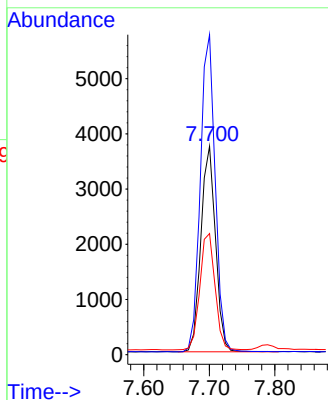
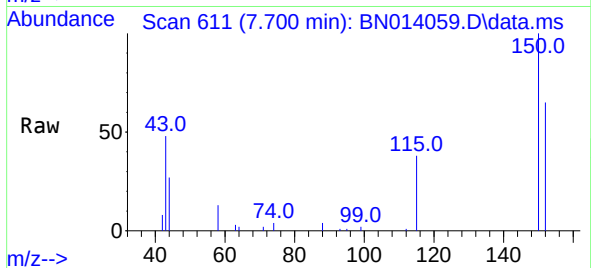


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.700 min Scan# 611  
 Delta R.T. 0.000 min  
 Lab File: BN014059.D  
 Acq: 24 Mar 2021 02:53

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT101D1-20210316

Tgt Ion: 152 Resp: 5764

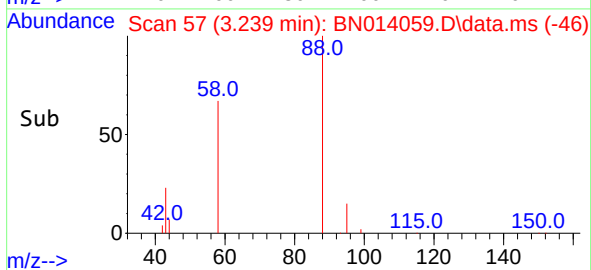
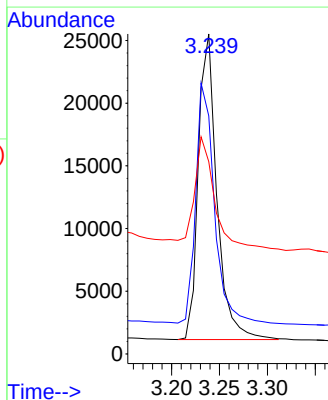
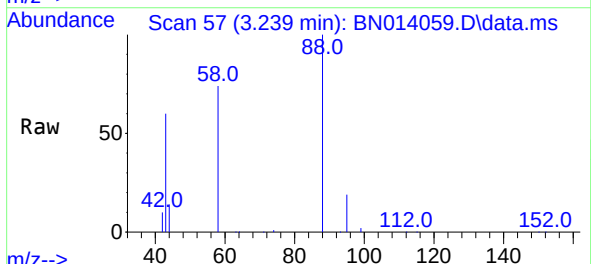
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 153.5 | 121.8 | 182.8 |
| 115 | 58.1  | 46.6  | 69.8  |

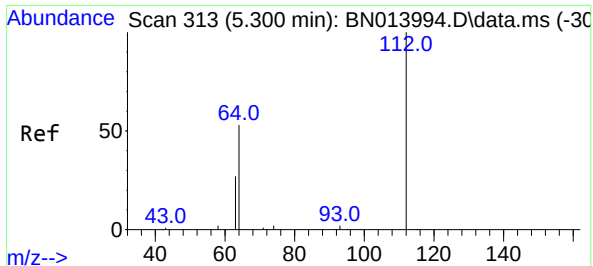


#2  
 1,4-Dioxane  
 Concen: 4.34 ng  
 RT: 3.239 min Scan# 57  
 Delta R.T. -0.008 min  
 Lab File: BN014059.D  
 Acq: 24 Mar 2021 02:53

Tgt Ion: 88 Resp: 32954

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 58  | 78.9  | 64.6  | 96.8  |
| 43  | 39.0  | 26.6  | 40.0  |



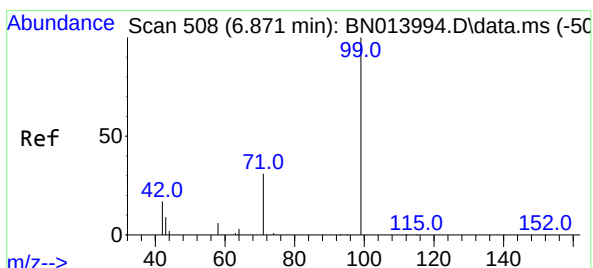
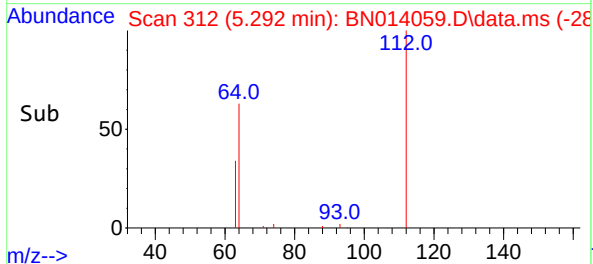
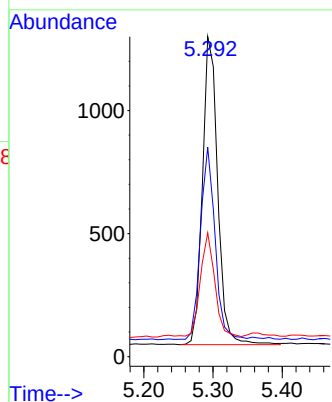
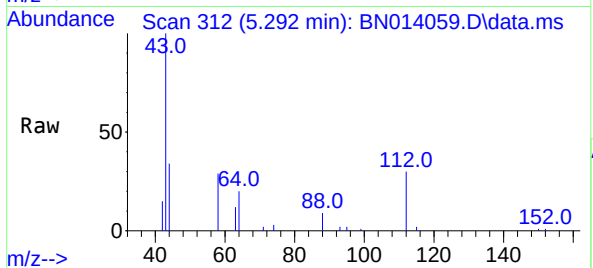


#4  
2-Fluorophenol  
Concen: 0.14 ng  
RT: 5.292 min Scan# 312  
Delta R.T. 0.000 min  
Lab File: BN014059.D  
Acq: 24 Mar 2021 02:53

Instrument :  
BNA\_N  
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TT101D1-20210316

Tgt Ion:112 Resp: 1920

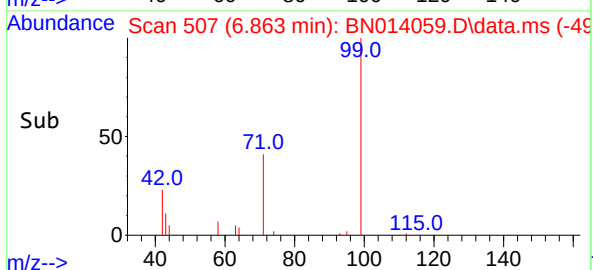
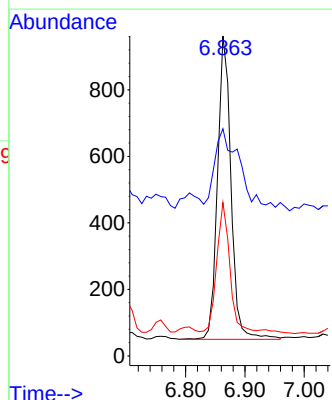
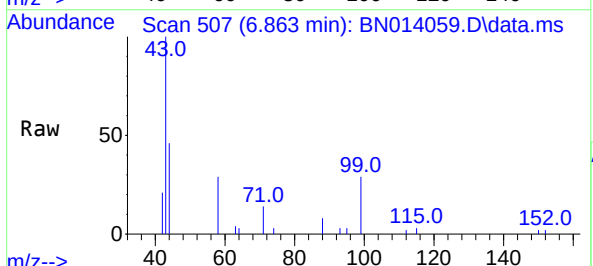
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 59.5  | 44.3  | 66.5  |
| 63  | 31.6  | 23.0  | 34.6  |

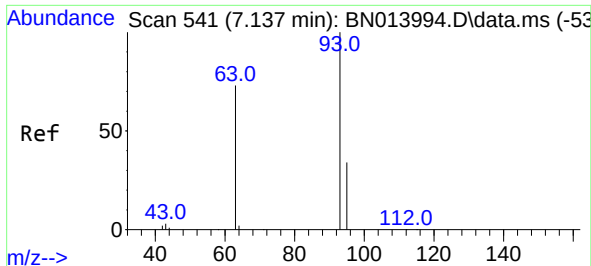


#5  
Phenol-d6  
Concen: 0.09 ng  
RT: 6.863 min Scan# 507  
Delta R.T. 0.000 min  
Lab File: BN014059.D  
Acq: 24 Mar 2021 02:53

Tgt Ion: 99 Resp: 1442

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 52.1  | 15.2  | 22.8# |
| 71  | 40.3  | 26.1  | 39.1# |

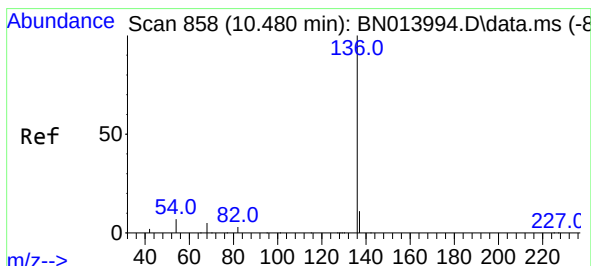
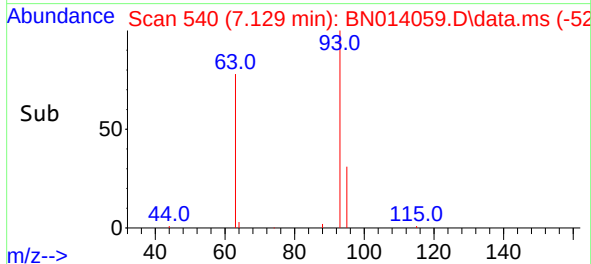
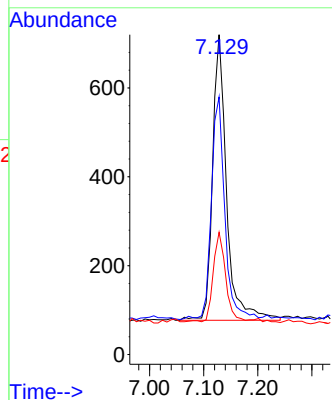
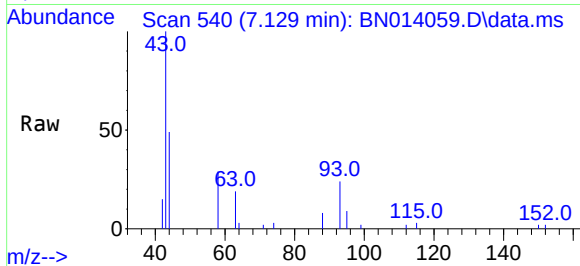




#6  
bis(2-Chloroethyl)ether  
Concen: 0.08 ng  
RT: 7.129 min Scan# 540  
Delta R.T. 0.000 min  
Lab File: BN014059.D  
Acq: 24 Mar 2021 02:53

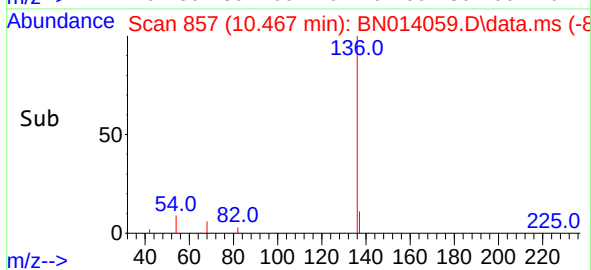
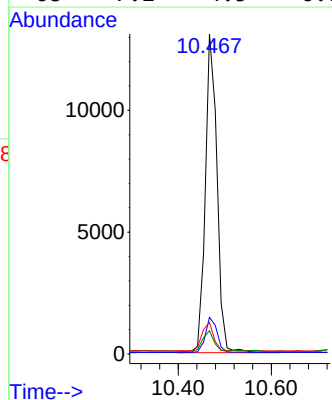
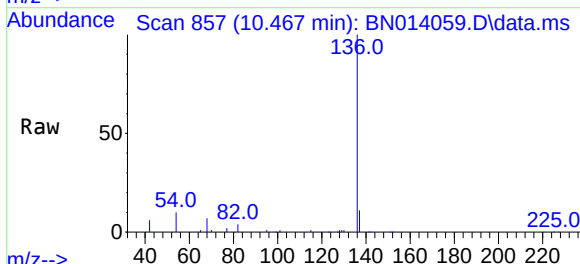
Instrument :  
BNA\_N  
ClientSampleId :  
TT101D1-20210316

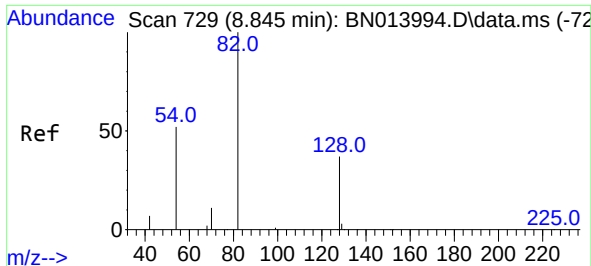
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 1158  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 75.0  | 60.8  | 91.2  |
| 95       | 27.4  | 26.0  | 39.0  |



#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.467 min Scan# 857  
Delta R.T. -0.012 min  
Lab File: BN014059.D  
Acq: 24 Mar 2021 02:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 22865 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.5  | 9.0   | 13.6  |
| 54       | 9.8   | 6.4   | 9.6#  |
| 68       | 7.2   | 4.5   | 6.7#  |

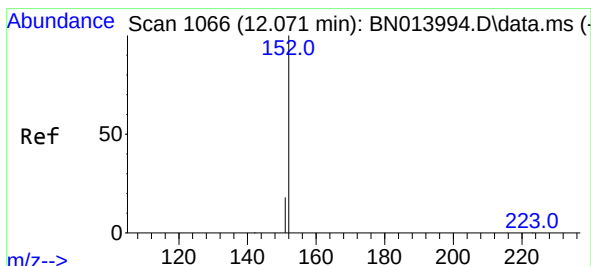
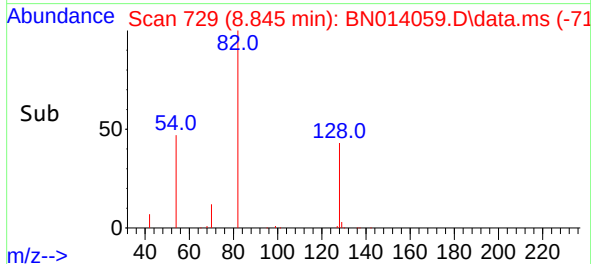
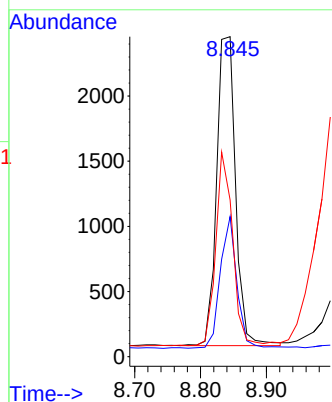
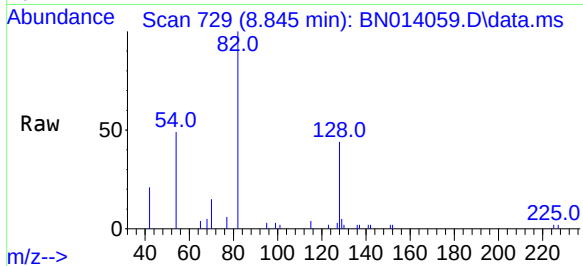




#8  
Nitrobenzene-d5  
Concen: 0.31 ng  
RT: 8.845 min Scan# 729  
Delta R.T. 0.000 min  
Lab File: BN014059.D  
Acq: 24 Mar 2021 02:53

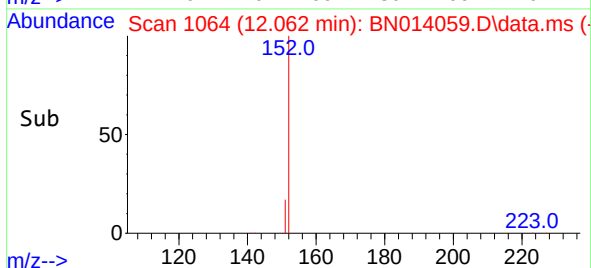
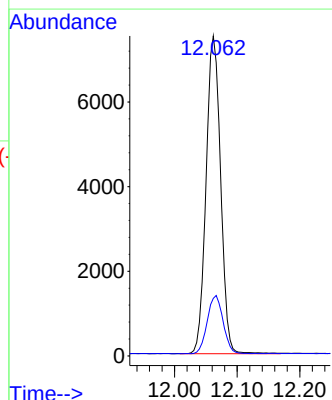
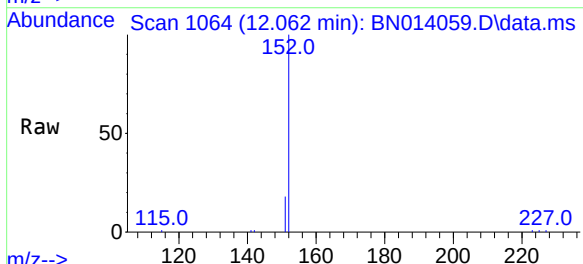
Instrument :  
BNA\_N  
ClientSampleId :  
TT101D1-20210316

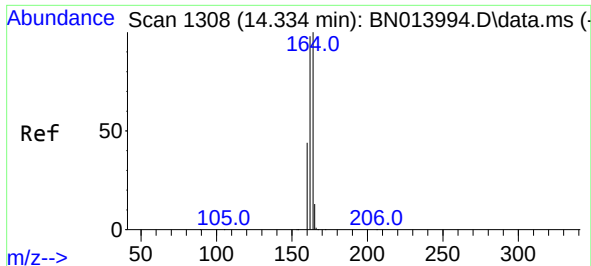
Tgt Ion: 82 Resp: 4715  
Ion Ratio Lower Upper  
82 100  
128 43.8 39.2 58.8  
54 48.9 40.1 60.1



#11  
2-Methylnaphthalene-d10  
Concen: 0.34 ng  
RT: 12.062 min Scan# 1064  
Delta R.T. -0.004 min  
Lab File: BN014059.D  
Acq: 24 Mar 2021 02:53

Tgt Ion: 152 Resp: 12065  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.2 24.2

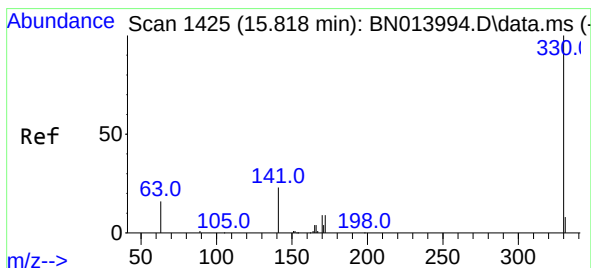
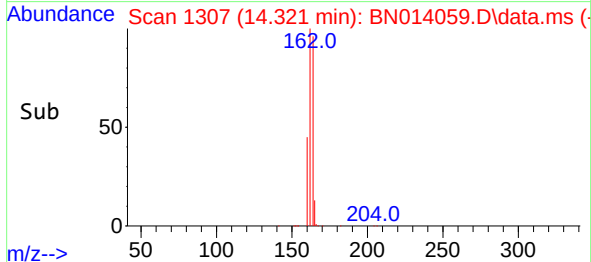
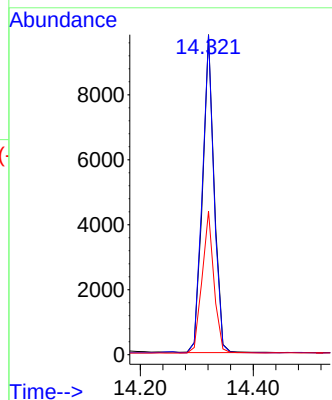
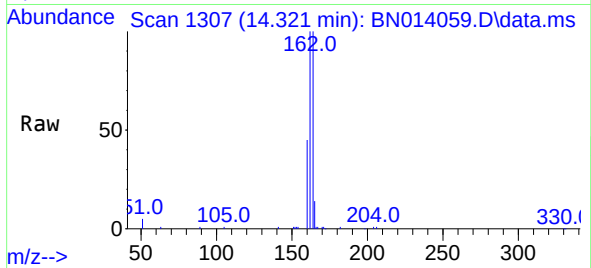




#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.321 min Scan# 1307  
Delta R.T. 0.000 min  
Lab File: BN014059.D  
Acq: 24 Mar 2021 02:53

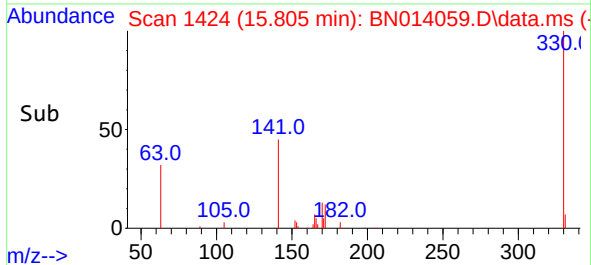
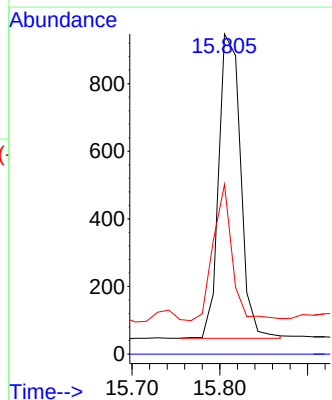
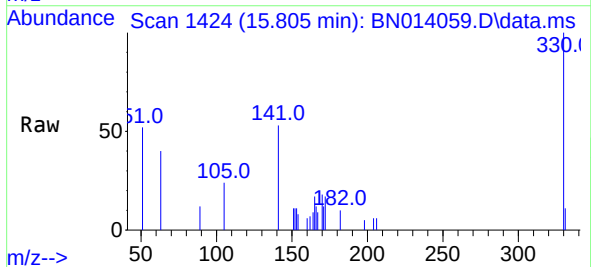
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BNA\_N  
ClientSampleId :  
TT101D1-20210316

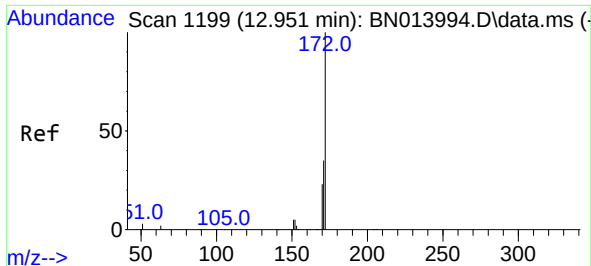
Tgt Ion:164 Resp: 14030  
Ion Ratio Lower Upper  
164 100  
162 99.9 79.6 119.4  
160 44.9 36.0 54.0



#14  
2,4,6-Tribromophenol  
Concen: 0.34 ng  
RT: 15.805 min Scan# 1424  
Delta R.T. -0.012 min  
Lab File: BN014059.D  
Acq: 24 Mar 2021 02:53

Tgt Ion:330 Resp: 1557  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 39.1 26.8 40.2

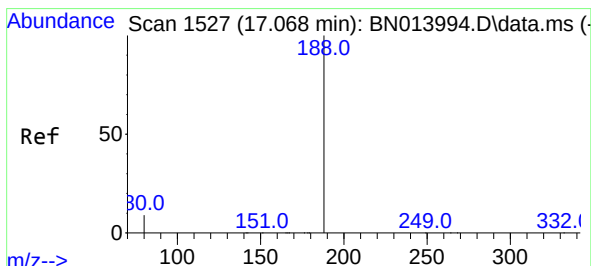
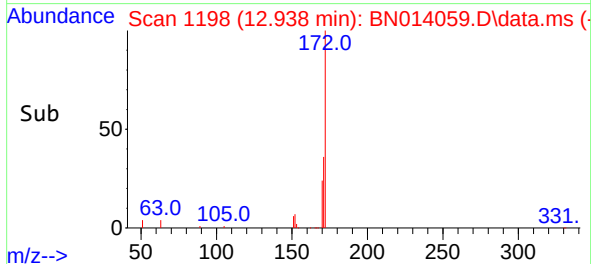
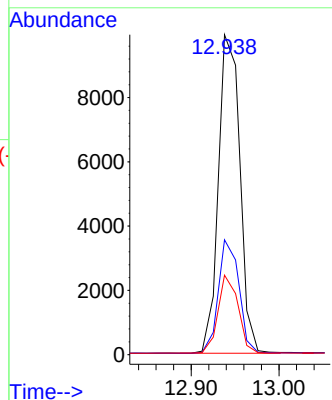
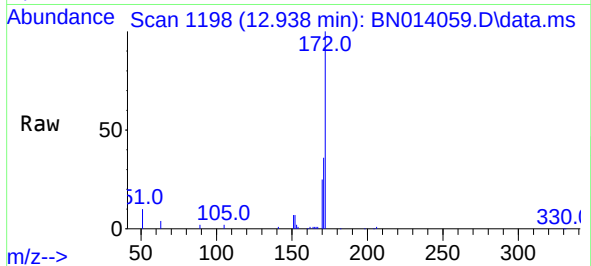




#15  
2-Fluorobiphenyl  
Concen: 0.32 ng  
RT: 12.938 min Scan# 1198  
Delta R.T. -0.012 min  
Lab File: BN014059.D  
Acq: 24 Mar 2021 02:53

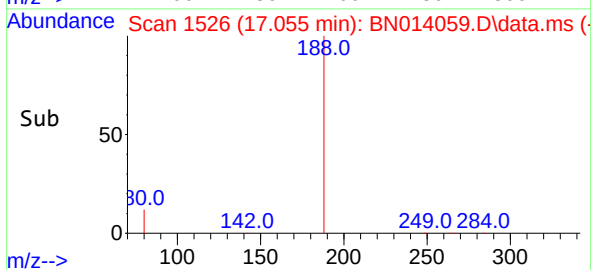
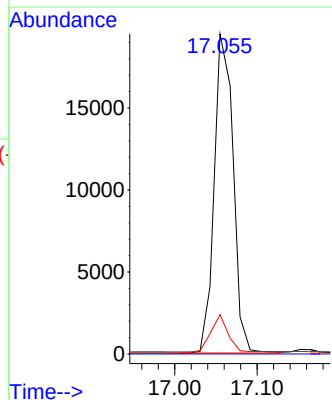
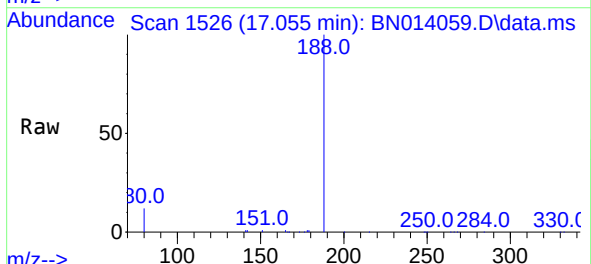
Instrument :  
BNA\_N  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 16870 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 35.9  | 28.6  | 42.8  |
| 170       | 24.8  | 18.9  | 28.3  |

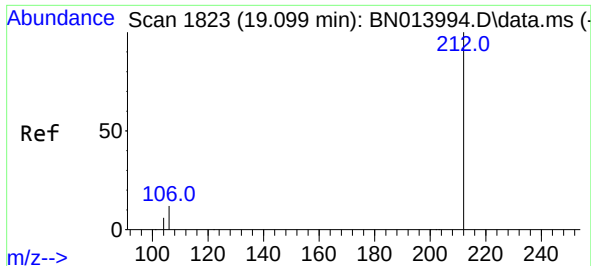


#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.055 min Scan# 1526  
Delta R.T. -0.012 min  
Lab File: BN014059.D  
Acq: 24 Mar 2021 02:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 31048 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 12.3  | 9.0   | 13.6  |



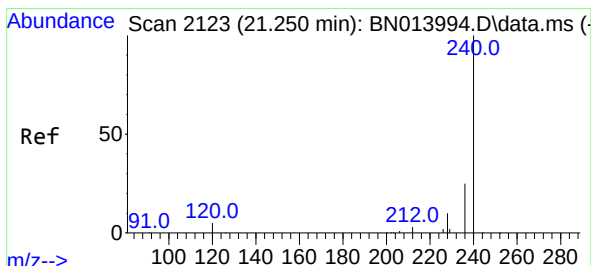
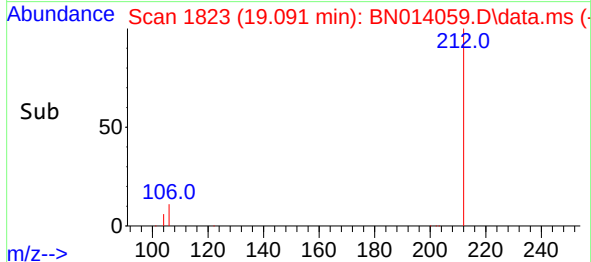
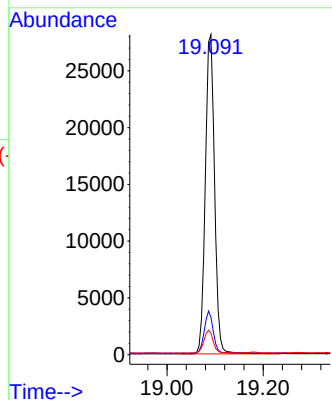
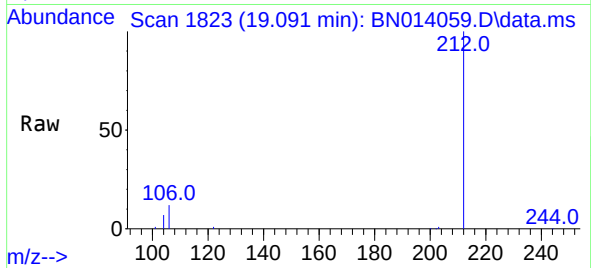




#27  
Fluoranthene-d10  
Concen: 0.43 ng  
RT: 19.091 min Scan# 1823  
Delta R.T. 0.003 min  
Lab File: BN014059.D  
Acq: 24 Mar 2021 02:53

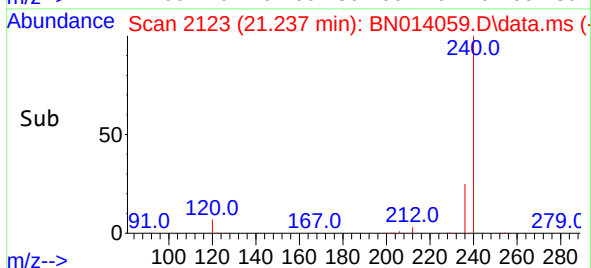
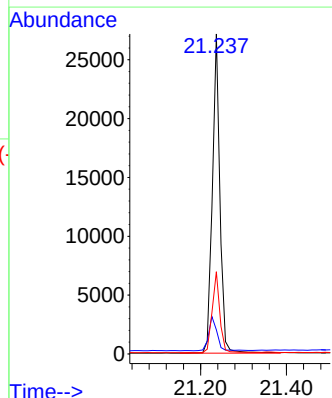
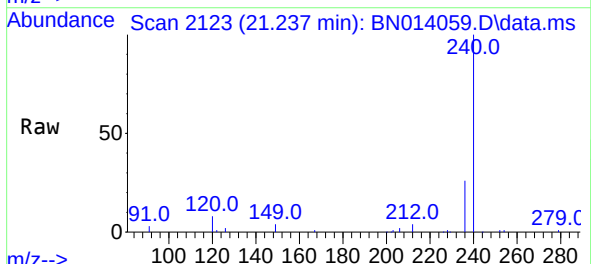
Instrument :  
BNA\_N  
ClientSampleId :  
TT101D1-20210316

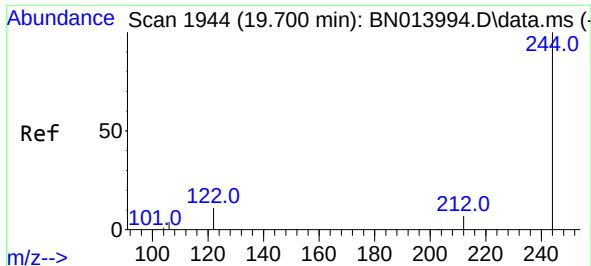
Tgt Ion:212 Resp: 37420  
Ion Ratio Lower Upper  
212 100  
106 12.6 9.7 14.5  
104 7.3 5.5 8.3



#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.237 min Scan# 2123  
Delta R.T. -0.002 min  
Lab File: BN014059.D  
Acq: 24 Mar 2021 02:53

Tgt Ion:240 Resp: 33082  
Ion Ratio Lower Upper  
240 100  
120 7.6 10.2 15.4#  
236 25.7 21.3 31.9

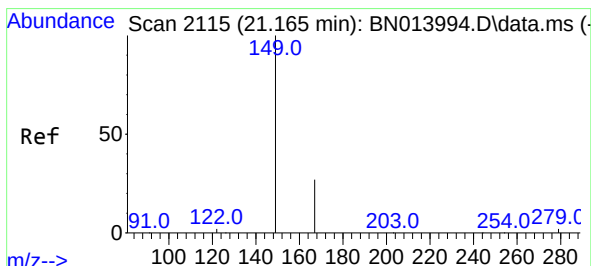
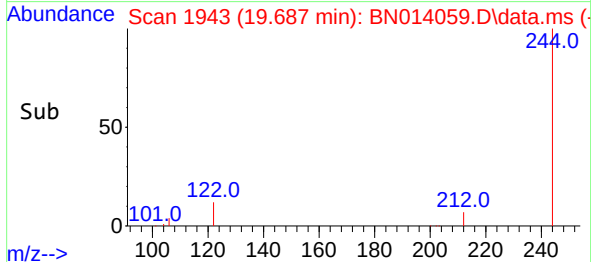
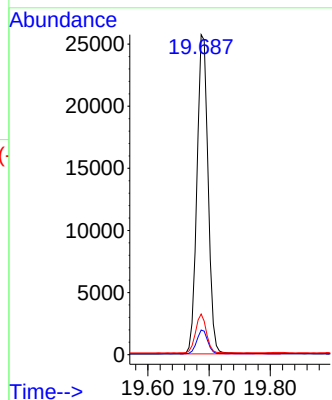
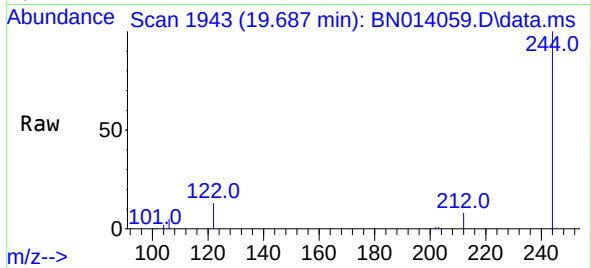




#31  
 Terphenyl-d14  
 Concen: 0.45 ng  
 RT: 19.687 min Scan# 1943  
 Delta R.T. -0.002 min  
 Lab File: BN014059.D  
 Acq: 24 Mar 2021 02:53

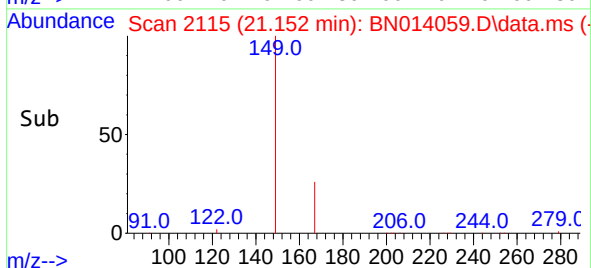
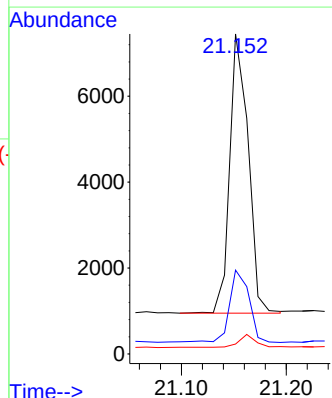
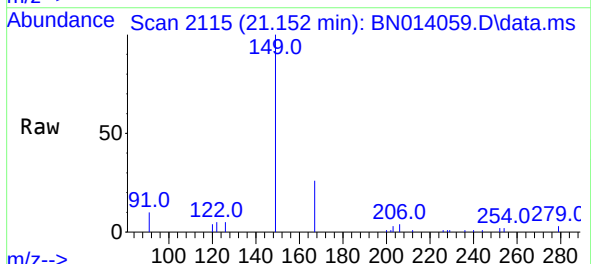
Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT101D1-20210316

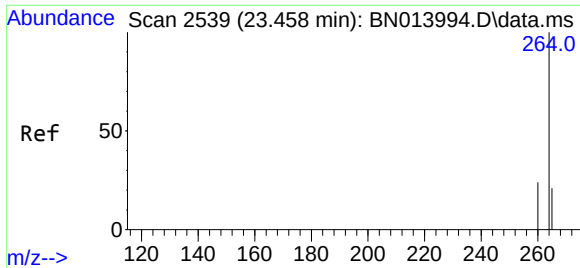
Tgt Ion:244 Resp: 32465  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.1 9.1  
 122 12.7 9.8 14.8



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.23 ng  
 RT: 21.152 min Scan# 2115  
 Delta R.T. -0.002 min  
 Lab File: BN014059.D  
 Acq: 24 Mar 2021 02:53

Tgt Ion:149 Resp: 7944  
 Ion Ratio Lower Upper  
 149 100  
 167 27.5 22.1 33.1  
 279 4.7 3.5 5.3





#36  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.442 min Scan# 2536  
 Delta R.T. -0.006 min  
 Lab File: BN014059.D  
 Acq: 24 Mar 2021 02:53

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT101D1-20210316

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:264 | Resp: | 30450      |
| Ion Ratio   | Lower | Upper      |
| 264         | 100   |            |
| 260         | 24.7  | 19.3 28.9  |
| 265         | 31.5  | 66.2 99.4# |

