

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN033121\  
 Data File : BN014150.D  
 Acq On : 31 Mar 2021 19:28  
 Operator : CG/JU  
 Sample : M1842-08  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE104D2-20210323

Quant Time: Apr 01 01:24:59 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN032621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 31 12:15:38 2021  
 Response via : Initial Calibration

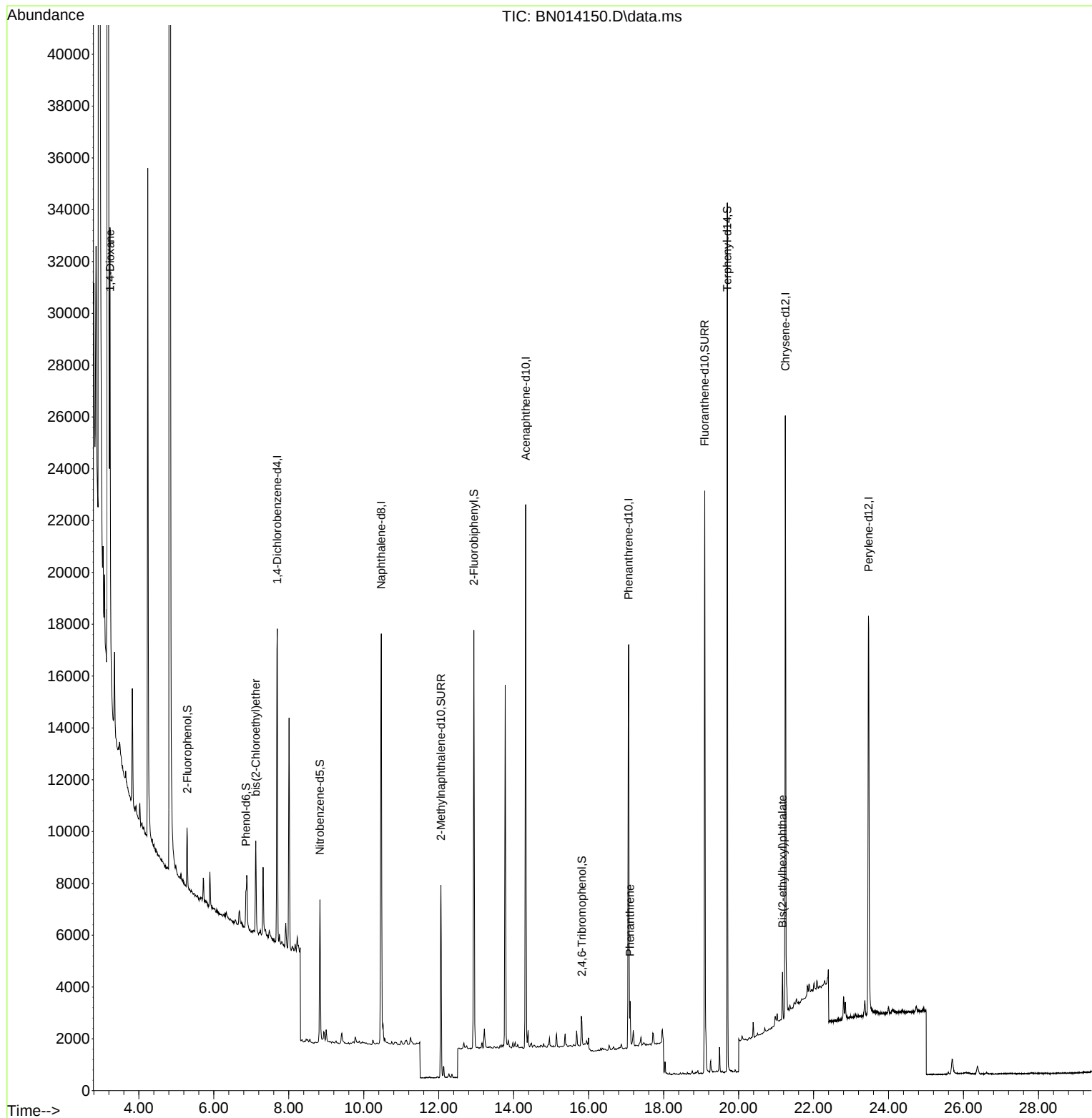
| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.692  | 152  | 5878     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.467 | 136  | 21403    | 0.40 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.321 | 164  | 11540    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.067 | 188  | 22875    | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.247 | 240  | 21985    | 0.40 | ng    | 0.00     |
| 36) Perylene-d12              | 23.466 | 264  | 21351    | 0.40 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.292  | 112  | 1728     | 0.11 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.855  | 99   | 1183     | 0.06 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.832  | 82   | 4381     | 0.30 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.057 | 152  | 9751     | 0.30 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.818 | 330  | 934      | 0.25 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl          | 12.938 | 172  | 13361    | 0.31 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.096 | 212  | 25164    | 0.42 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.697 | 244  | 31879    | 0.63 | ng    | 0.00     |
| Target Compounds              |        |      |          |      |       |          |
| 2) 1,4-Dioxane                | 3.231  | 88   | 8870     | 1.17 | ng    | # 87     |
| 6) bis(2-Chloroethyl)ether    | 7.120  | 93   | 2797     | 0.18 | ng    | 96       |
| 25) Phenanthrene              | 17.104 | 178  | 1681     | 0.03 | ng    | # 93     |
| 34) Bis(2-ethylhexyl)phtha... | 21.173 | 149  | 1930     | 0.10 | ng    | 96       |
| -----                         |        |      |          |      |       |          |

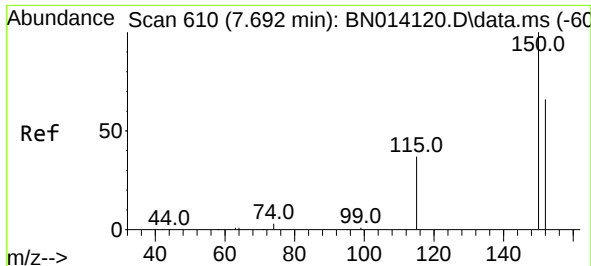
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 31 12:15:38 2021  
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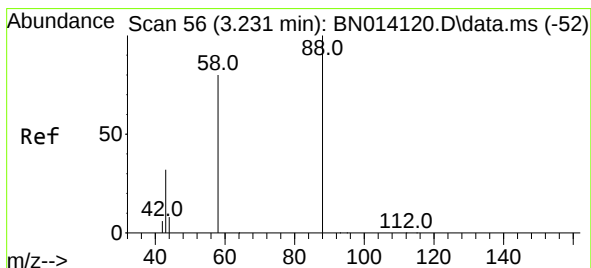
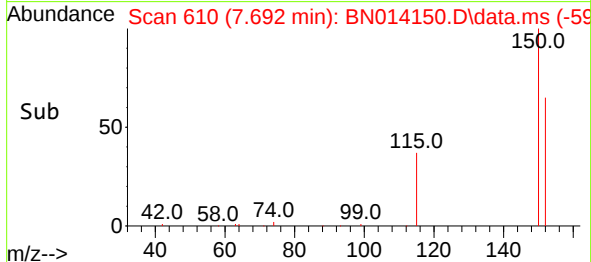
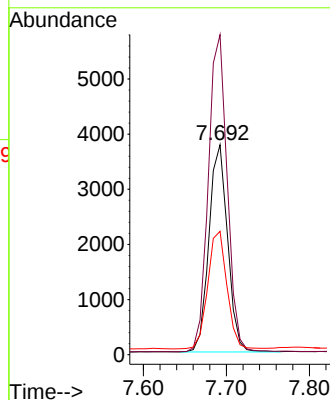
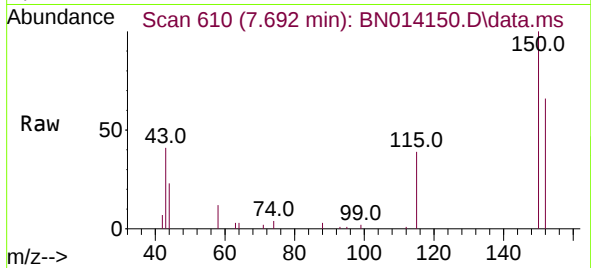




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.692 min Scan# 610  
 Delta R.T. 0.008 min  
 Lab File: BN014150.D  
 Acq: 31 Mar 2021 19:28

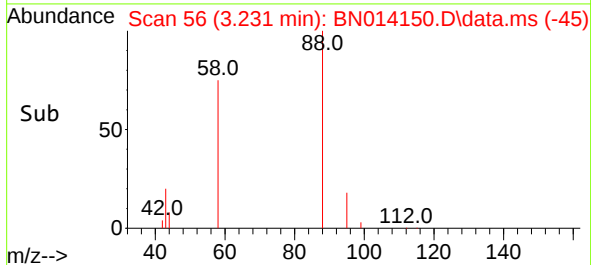
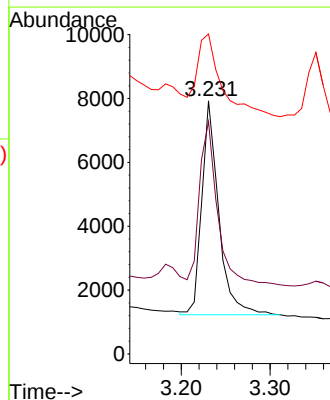
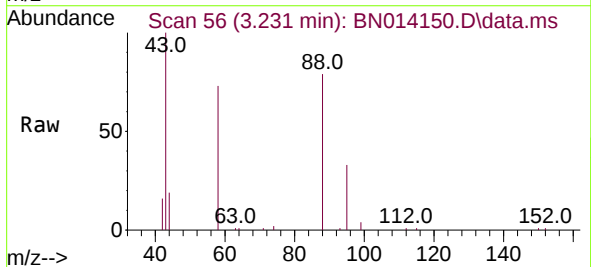
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 RE104D2-20210323

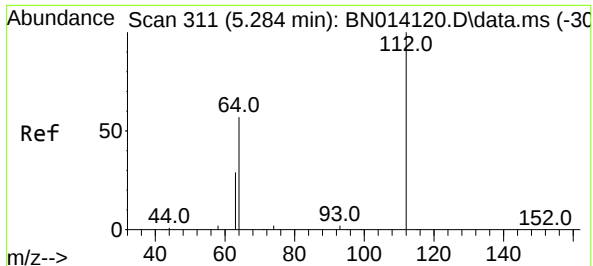
Tgt Ion:152 Resp: 5878  
 Ion Ratio Lower Upper  
 152 100  
 150 152.5 121.2 181.8  
 115 58.8 46.2 69.2



#2  
 1,4-Dioxane  
 Concen: 1.17 ng  
 RT: 3.231 min Scan# 56  
 Delta R.T. -0.008 min  
 Lab File: BN014150.D  
 Acq: 31 Mar 2021 19:28

Tgt Ion: 88 Resp: 8870  
 Ion Ratio Lower Upper  
 88 100  
 58 80.7 63.1 94.7  
 43 55.5 26.2 39.2#

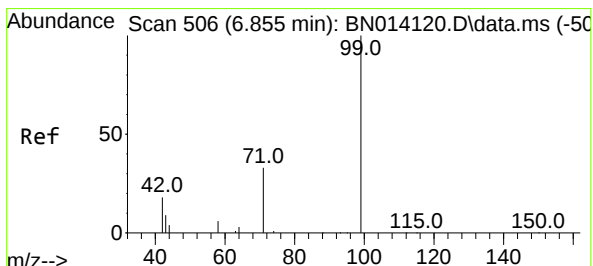
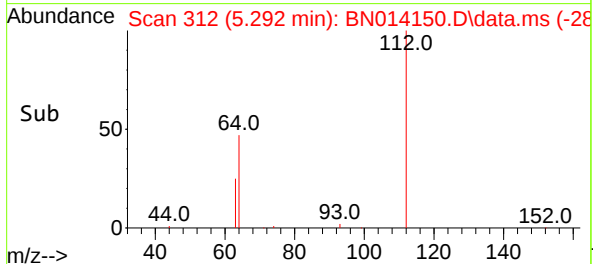
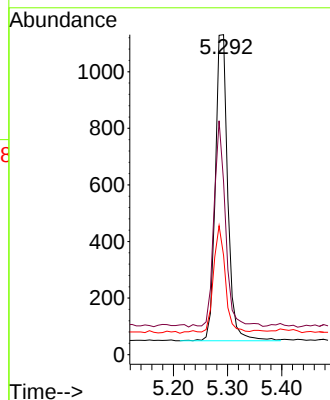
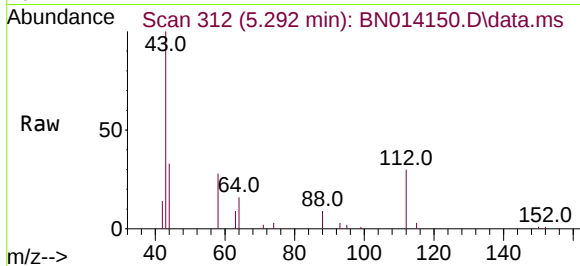




#4  
2-Fluorophenol  
Concen: 0.11 ng  
RT: 5.292 min Scan# 312  
Delta R.T. 0.008 min  
Lab File: BN014150.D  
Acq: 31 Mar 2021 19:28

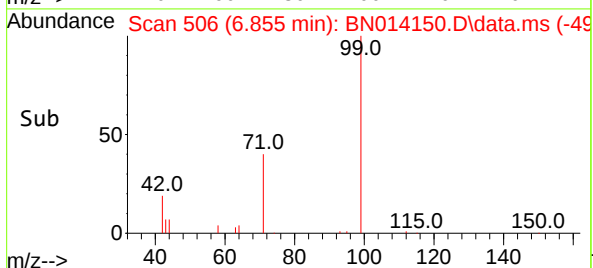
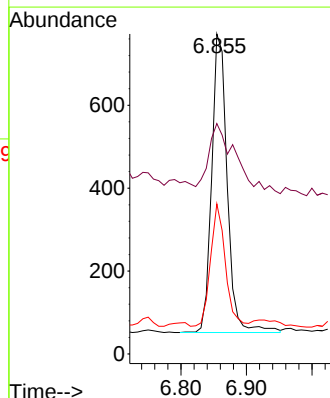
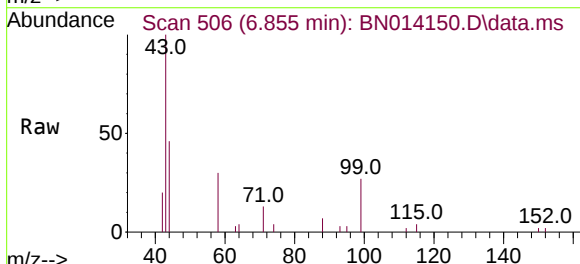
Instrument :  
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RE104D2-20210323

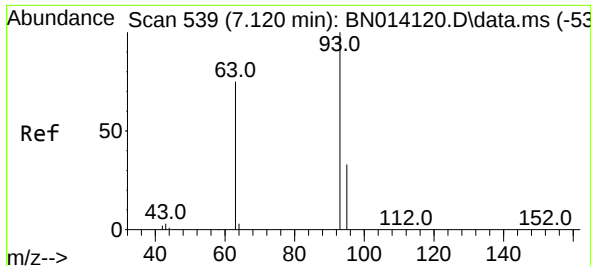
Tgt Ion:112 Resp: 1728  
Ion Ratio Lower Upper  
112 100  
64 62.8 48.3 72.5  
63 33.0 25.4 38.0



#5  
Phenol-d6  
Concen: 0.06 ng  
RT: 6.855 min Scan# 506  
Delta R.T. -0.000 min  
Lab File: BN014150.D  
Acq: 31 Mar 2021 19:28

Tgt Ion: 99 Resp: 1183  
Ion Ratio Lower Upper  
99 100  
42 41.3 18.2 27.4#  
71 39.4 26.7 40.1

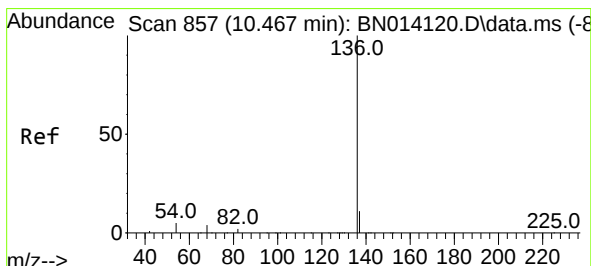
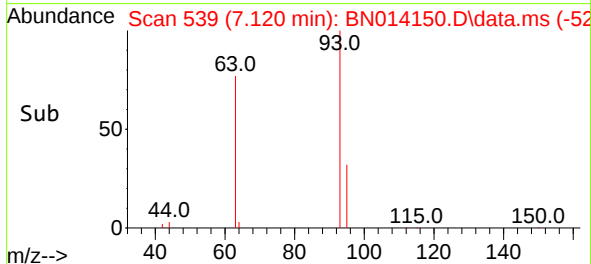
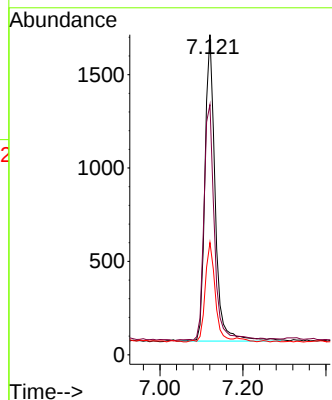
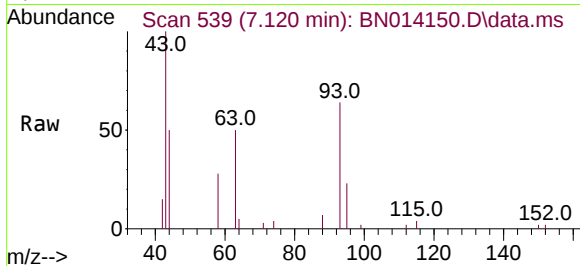




#6  
bis(2-Chloroethyl)ether  
Concen: 0.18 ng  
RT: 7.120 min Scan# 539  
Delta R.T. -0.000 min  
Lab File: BN014150.D  
Acq: 31 Mar 2021 19:28

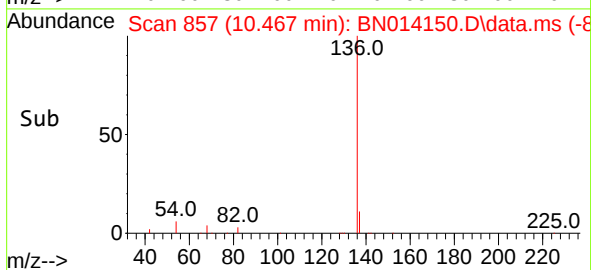
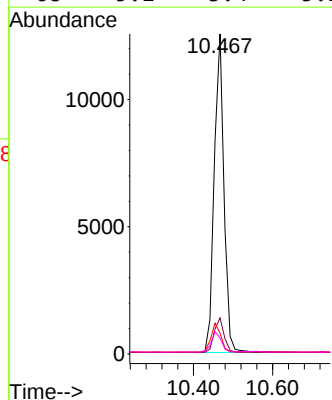
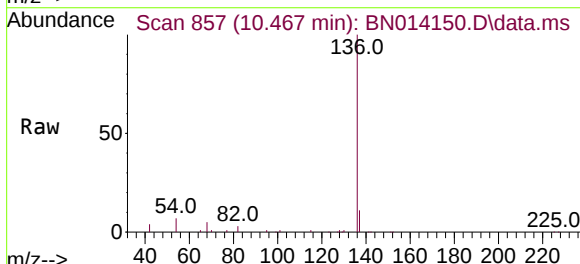
Instrument :  
BNA\_N  
ClientSampleId :  
RE104D2-20210323

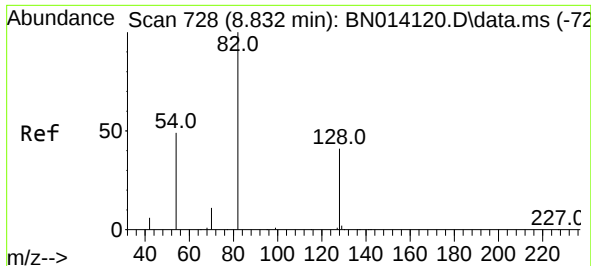
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 2797  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 78.0  | 65.1  | 97.7  |
| 95       | 31.4  | 26.6  | 39.8  |



#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.467 min Scan# 857  
Delta R.T. -0.000 min  
Lab File: BN014150.D  
Acq: 31 Mar 2021 19:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 21403 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.3  | 9.1   | 13.7  |
| 54       | 6.5   | 4.3   | 6.5#  |
| 68       | 5.1   | 3.4   | 5.2   |

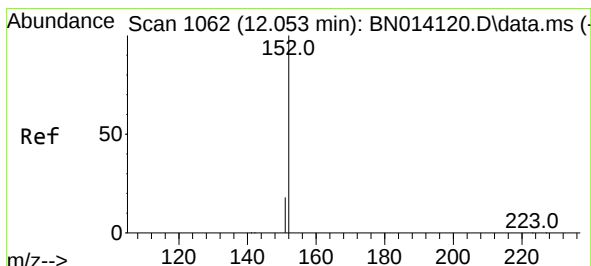
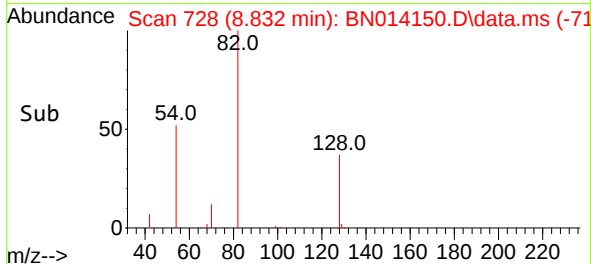
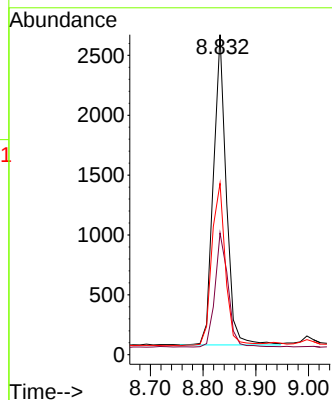
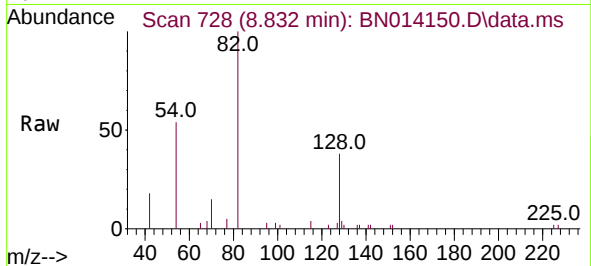




#8  
Nitrobenzene-d5  
Concen: 0.30 ng  
RT: 8.832 min Scan# 728  
Delta R.T. -0.000 min  
Lab File: BN014150.D  
Acq: 31 Mar 2021 19:28

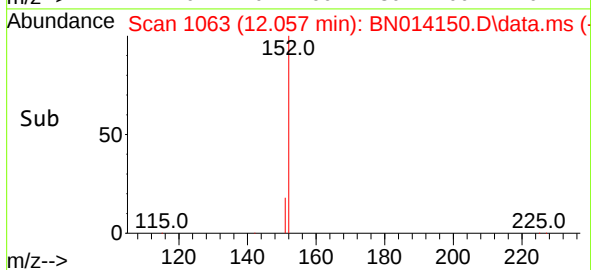
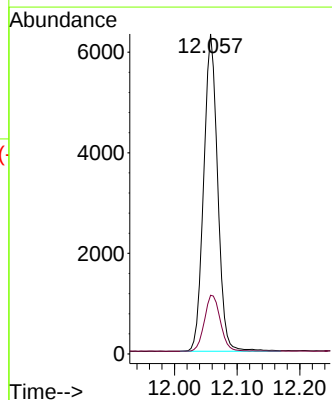
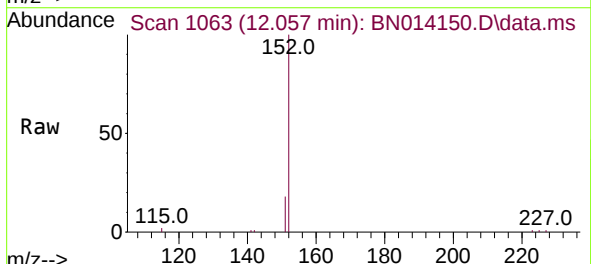
Instrument :  
BNA\_N  
ClientSampleId :  
RE104D2-20210323

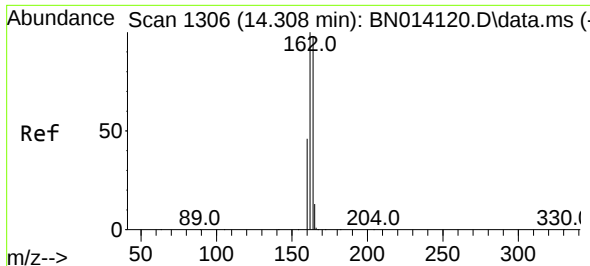
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|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4381  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 38.0  | 33.5  | 50.3  |
| 54       | 53.6  | 40.3  | 60.5  |



#11  
2-Methylnaphthalene-d10  
Concen: 0.30 ng  
RT: 12.057 min Scan# 1063  
Delta R.T. 0.004 min  
Lab File: BN014150.D  
Acq: 31 Mar 2021 19:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 9751  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 20.2  | 16.1  | 24.1  |

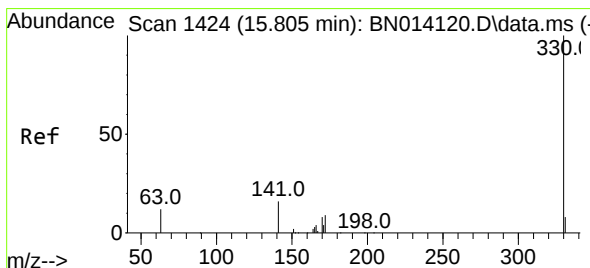
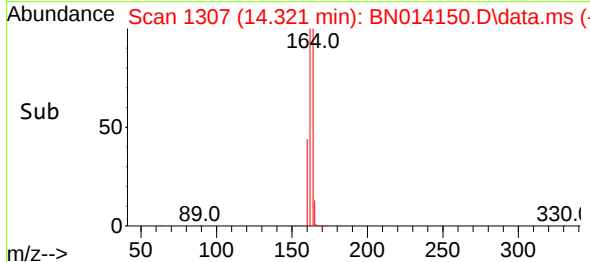
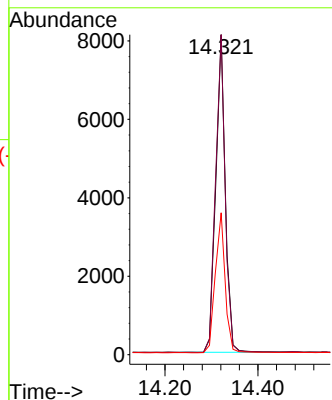
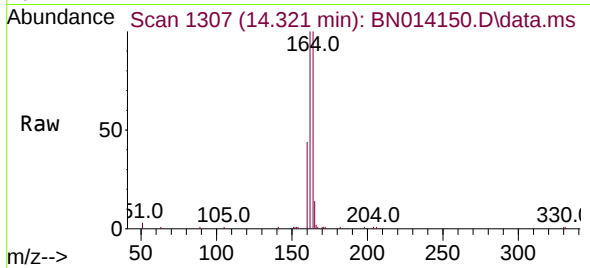




#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.321 min Scan# 1307  
Delta R.T. -0.000 min  
Lab File: BN014150.D  
Acq: 31 Mar 2021 19:28

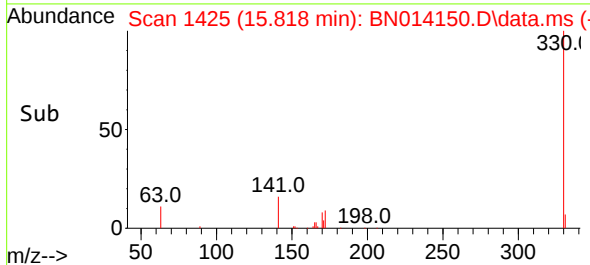
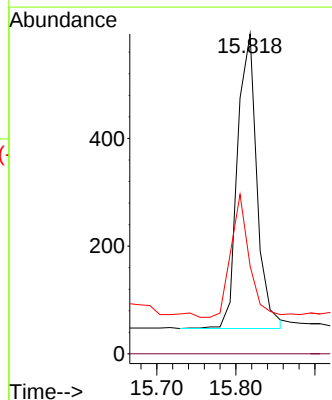
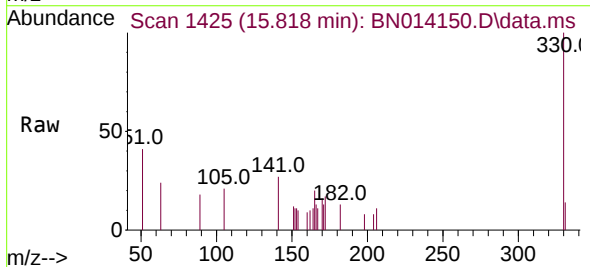
Instrument :  
BNA\_N  
ClientSampleId :  
RE104D2-20210323

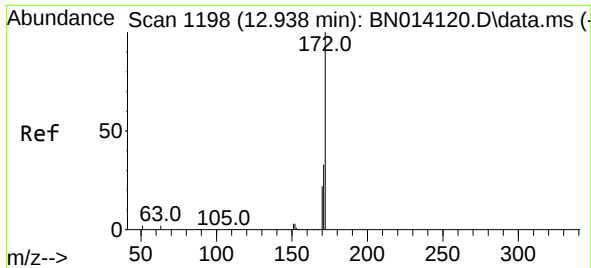
Tgt Ion:164 Resp: 11540  
Ion Ratio Lower Upper  
164 100  
162 100.0 81.4 122.2  
160 44.4 37.5 56.3



#14  
2,4,6-Tribromophenol  
Concen: 0.25 ng  
RT: 15.818 min Scan# 1425  
Delta R.T. 0.013 min  
Lab File: BN014150.D  
Acq: 31 Mar 2021 19:28

Tgt Ion:330 Resp: 934  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 39.7 31.2 46.8

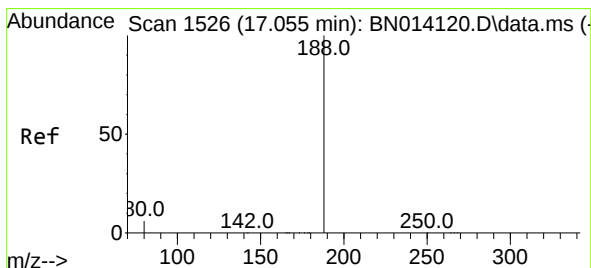
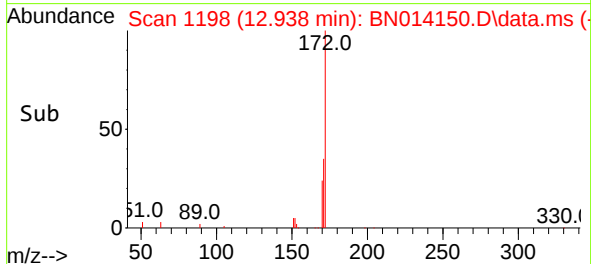
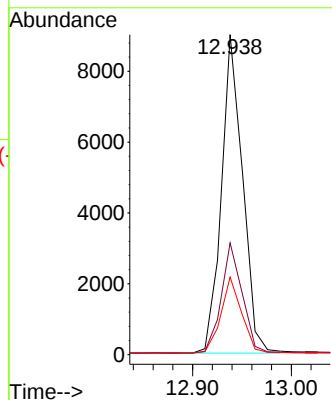
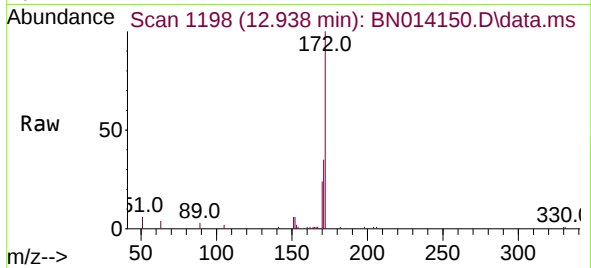




#15  
2-Fluorobiphenyl  
Concen: 0.31 ng  
RT: 12.938 min Scan# 1198  
Delta R.T. -0.000 min  
Lab File: BN014150.D  
Acq: 31 Mar 2021 19:28

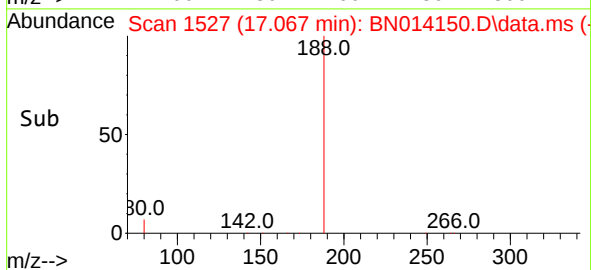
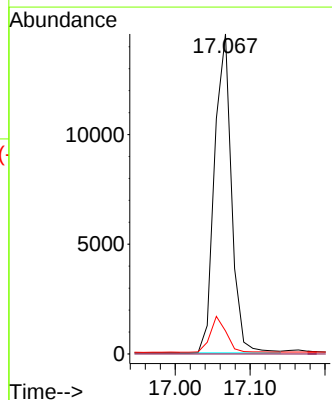
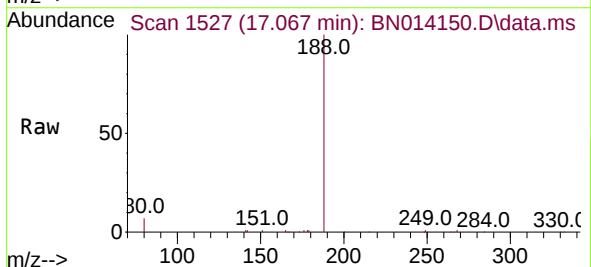
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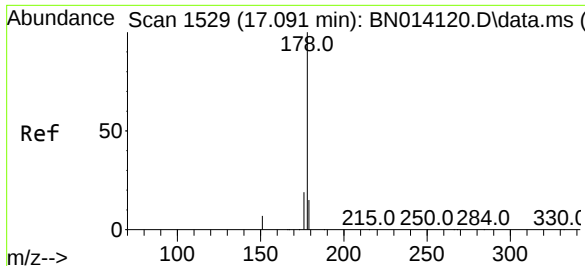
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|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 13361 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 34.9  | 26.9  | 40.3  |
| 170       | 24.3  | 17.8  | 26.8  |



#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.067 min Scan# 1527  
Delta R.T. -0.000 min  
Lab File: BN014150.D  
Acq: 31 Mar 2021 19:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 22875 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 7.2   | 5.2   | 7.8   |

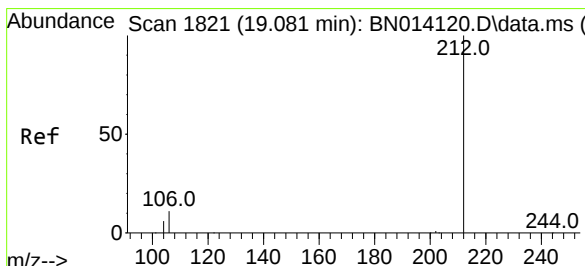
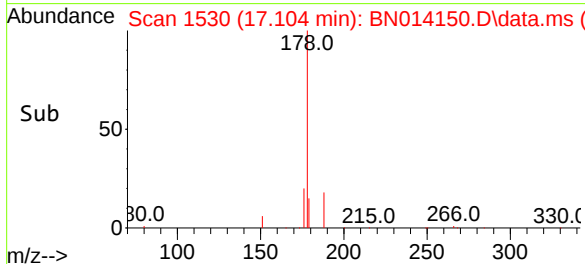
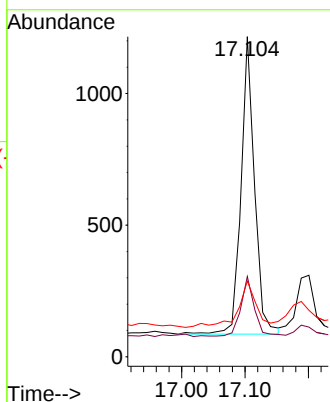
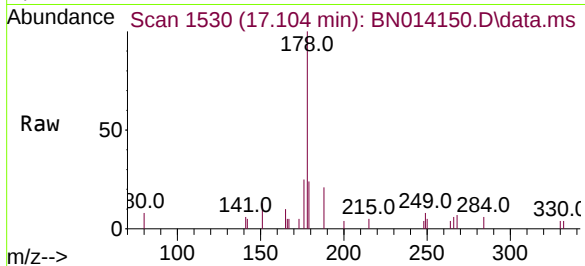




#25  
Phenanthrene  
Concen: 0.03 ng  
RT: 17.104 min Scan# 1530  
Delta R.T. -0.000 min  
Lab File: BN014150.D  
Acq: 31 Mar 2021 19:28

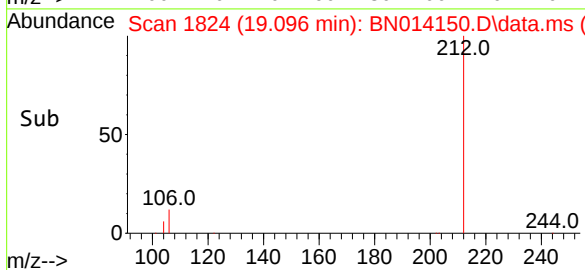
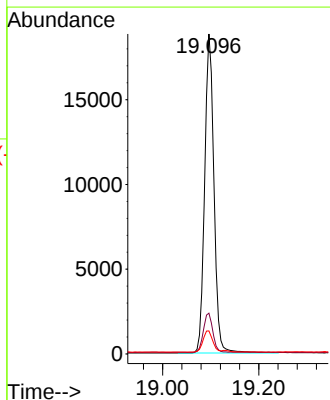
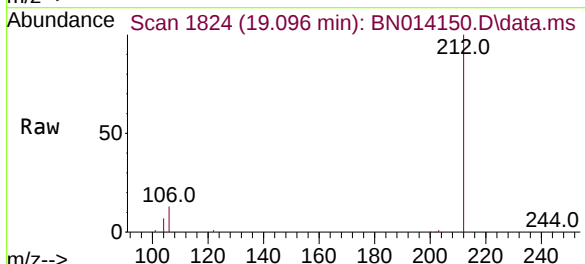
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BNA\_N  
ClientSampleId :  
RE104D2-20210323

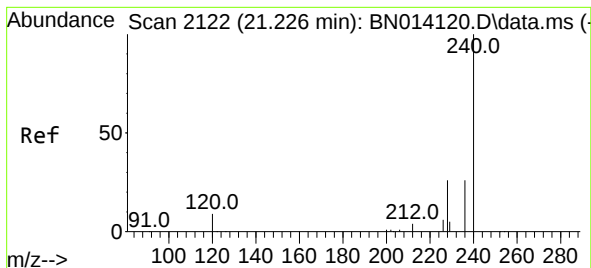
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 1681  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 20.0  | 15.0  | 22.6  |
| 179       | 20.9  | 12.4  | 18.6# |



#27  
Fluoranthene-d10  
Concen: 0.42 ng  
RT: 19.096 min Scan# 1824  
Delta R.T. -0.000 min  
Lab File: BN014150.D  
Acq: 31 Mar 2021 19:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 25164 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 12.6  | 10.1  | 15.1  |
| 104       | 6.9   | 5.5   | 8.3   |





#29

Chrysene-d12

Concen: 0.40 ng

RT: 21.247 min Scan# 2124

Delta R.T. -0.000 min

Lab File: BN014150.D

Acq: 31 Mar 2021 19:28

Tgt Ion:240 Resp: 21985

Ion Ratio Lower Upper

240 100

120 11.7 8.4 12.6

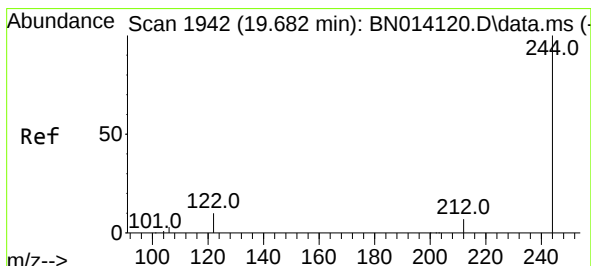
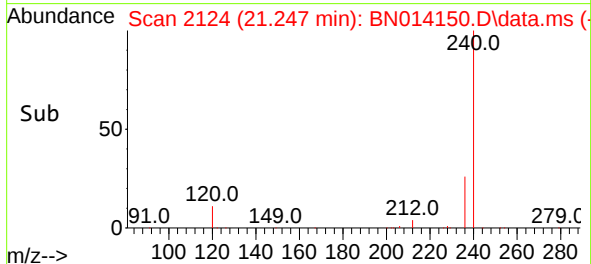
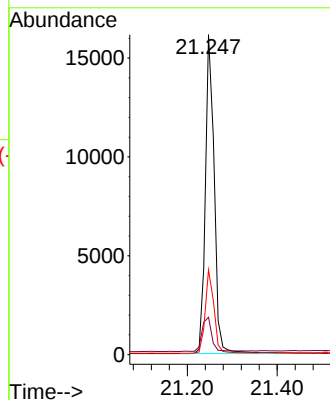
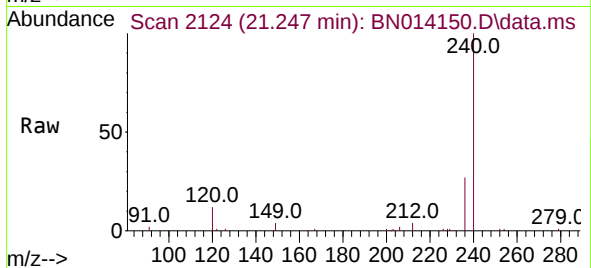
236 26.5 21.0 31.6

Instrument :

BNA\_N

ClientSampleId :

RE104D2-20210323



#31

Terphenyl-d14

Concen: 0.63 ng

RT: 19.697 min Scan# 1945

Delta R.T. -0.000 min

Lab File: BN014150.D

Acq: 31 Mar 2021 19:28

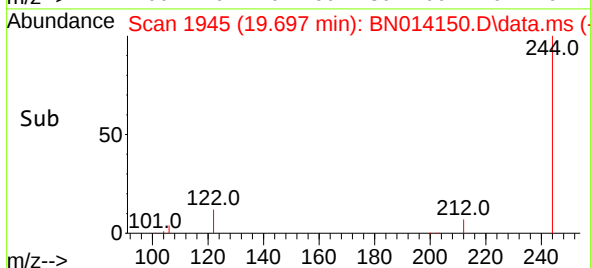
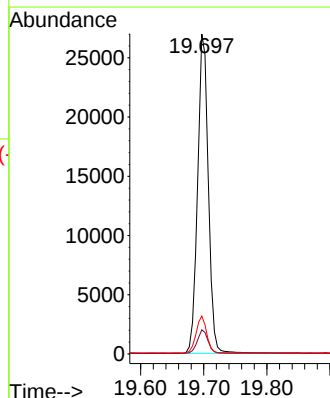
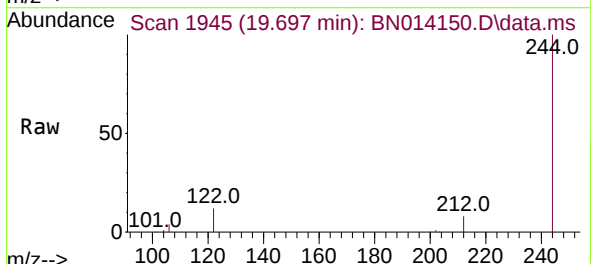
Tgt Ion:244 Resp: 31879

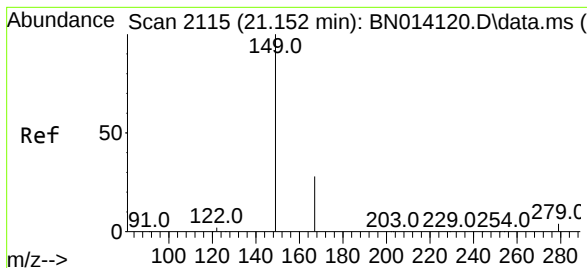
Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 11.9 8.6 13.0

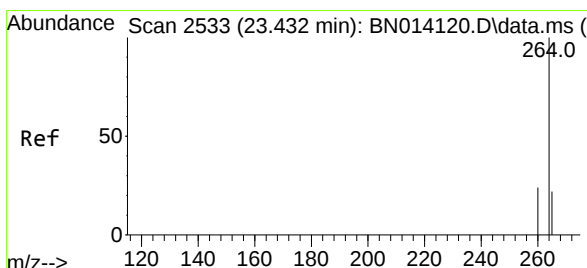
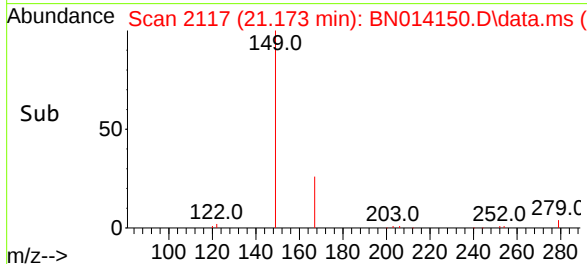
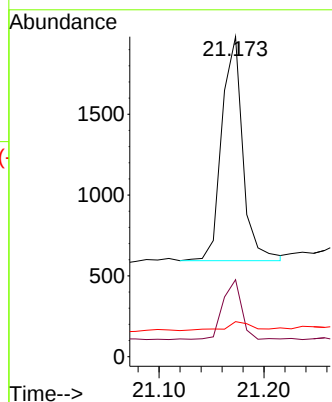
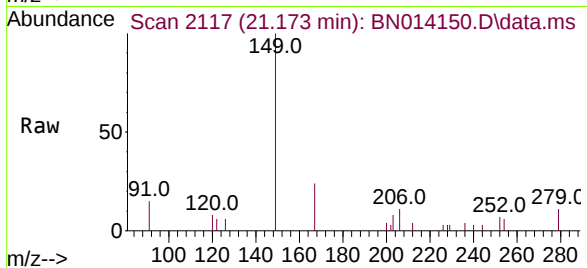




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.10 ng  
 RT: 21.173 min Scan# 2117  
 Delta R.T. -0.000 min  
 Lab File: BN014150.D  
 Acq: 31 Mar 2021 19:28

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE104D2-20210323

Tgt Ion:149 Resp: 1930  
 Ion Ratio Lower Upper  
 149 100  
 167 24.2 21.4 32.2  
 279 5.0 3.5 5.3



#36  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.466 min Scan# 2543  
 Delta R.T. -0.000 min  
 Lab File: BN014150.D  
 Acq: 31 Mar 2021 19:28

Tgt Ion:264 Resp: 21351  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.8 29.8  
 265 33.7 30.7 46.1

