

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100121\  
 Data File : BN016647.D  
 Acq On : 01 Oct 2021 21:59  
 Operator : CG/JU  
 Sample : M3833-12  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP03-20210920

Quant Time: Oct 02 00:53:24 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN100121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 01 13:35:26 2021  
 Response via : Initial Calibration

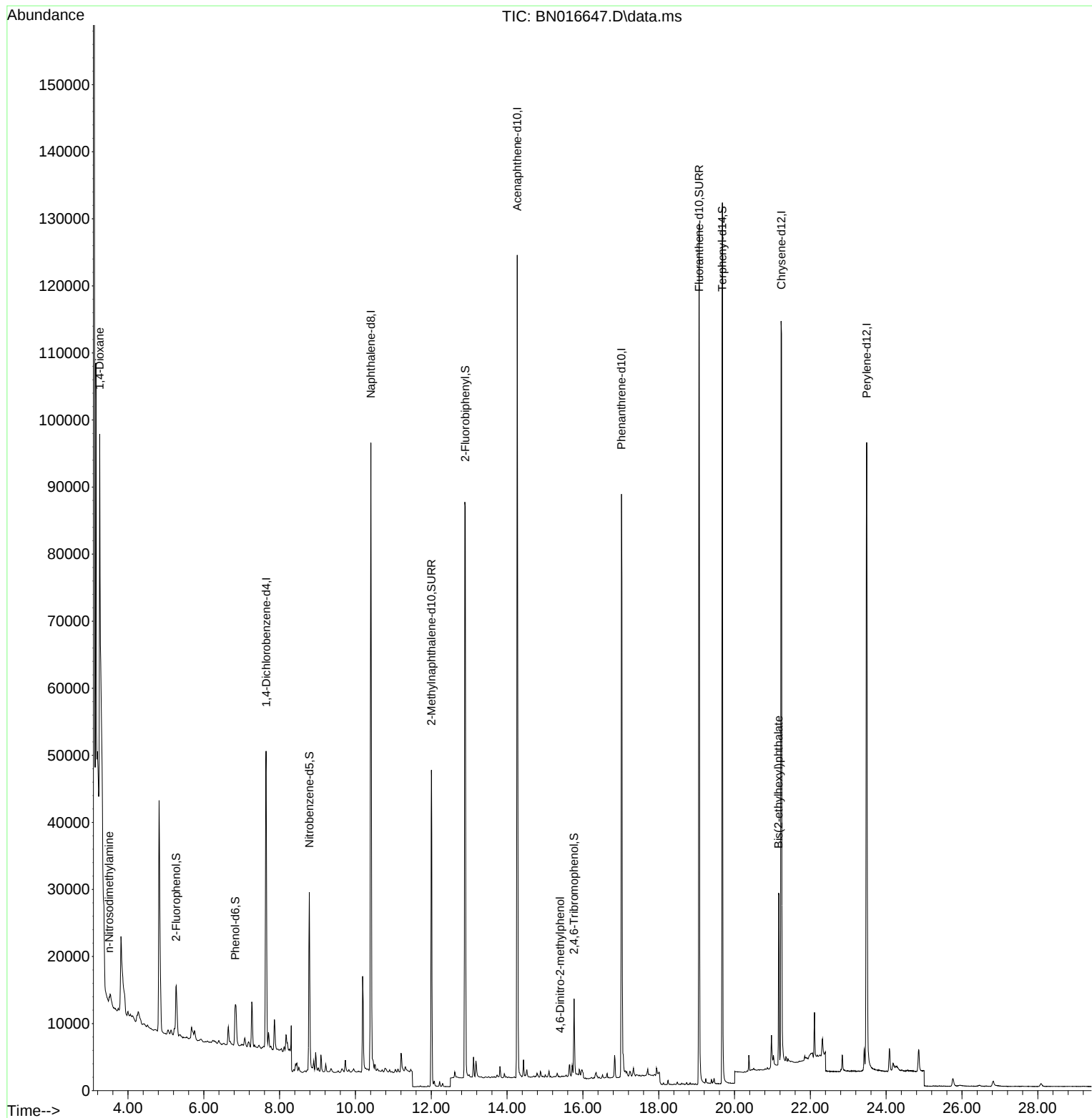
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.642  | 152  | 27198    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.406 | 136  | 124622   | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.268 | 164  | 67836    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.017 | 188  | 131306   | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.238 | 240  | 124791   | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.484 | 264  | 129125   | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.272  | 112  | 10449    | 0.151 | ng    | 0.02     |
| 5) Phenol-d6                  | 6.831  | 99   | 6411     | 0.085 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.784  | 82   | 24577    | 0.303 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.002 | 152  | 64334    | 0.349 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.765 | 330  | 10248    | 0.332 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.898 | 172  | 88261    | 0.321 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.067 | 212  | 150064   | 0.430 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.678 | 244  | 125708   | 0.463 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.253  | 88   | 48934    | 3.909 | ng    | # 85     |
| 3) n-Nitrosodimethylamine     | 3.502  | 42   | 912      | 0.045 | ng    | # 1      |
| 20) 4,6-Dinitro-2-methylph... | 15.398 | 198  | 5        | 0.137 | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.163 | 149  | 28536    | 0.187 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

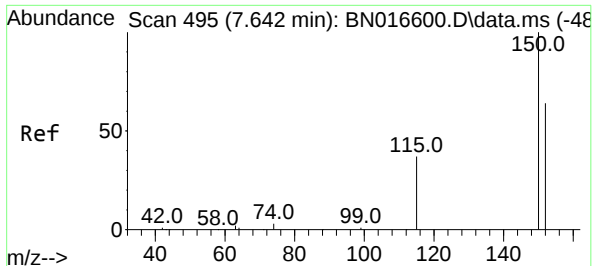
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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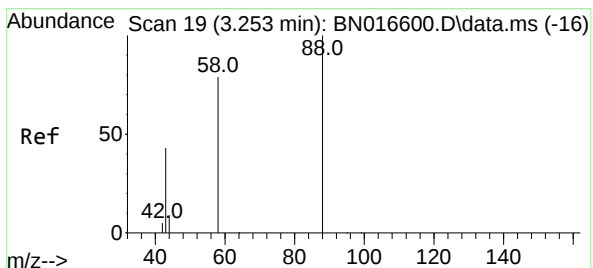
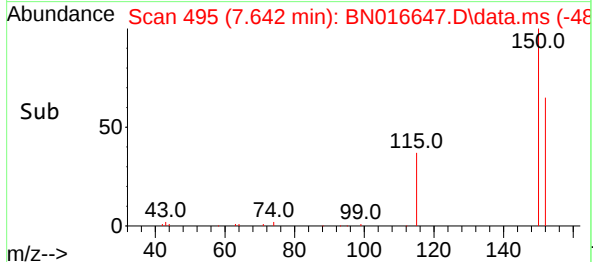
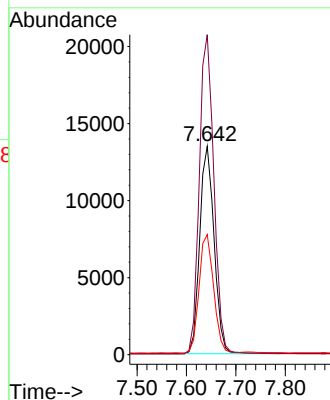
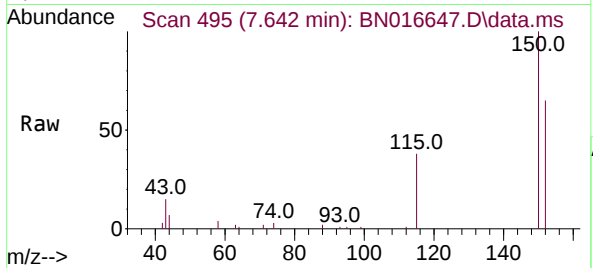




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.642 min Scan# 495  
Delta R.T. 0.000 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

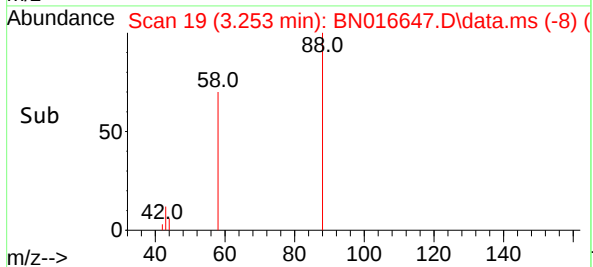
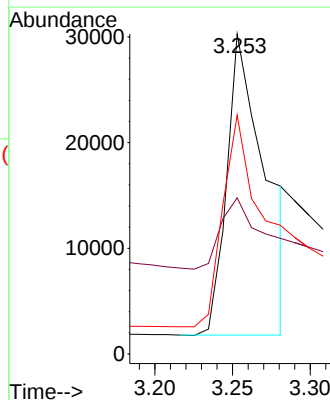
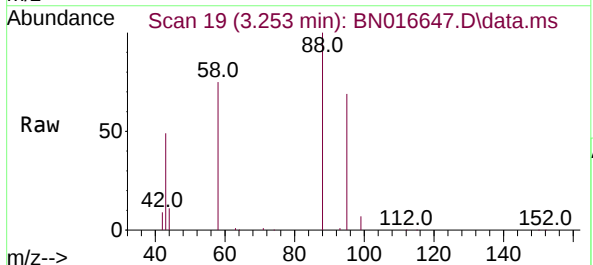
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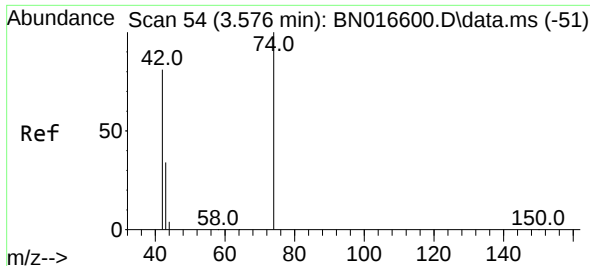
Tgt Ion:152 Resp: 27198  
Ion Ratio Lower Upper  
152 100  
150 153.5 124.6 186.8  
115 57.6 46.5 69.7



#2  
1,4-Dioxane  
Concen: 3.909 ng  
RT: 3.253 min Scan# 19  
Delta R.T. -0.000 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

Tgt Ion: 88 Resp: 48934  
Ion Ratio Lower Upper  
88 100  
43 25.1 37.8 56.8#  
58 73.0 61.3 91.9

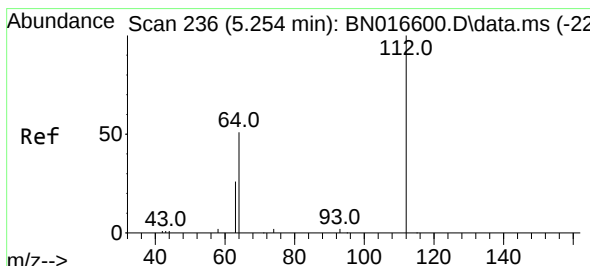
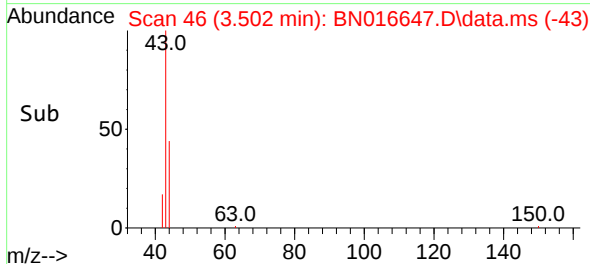
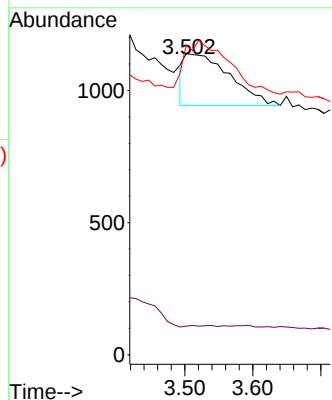
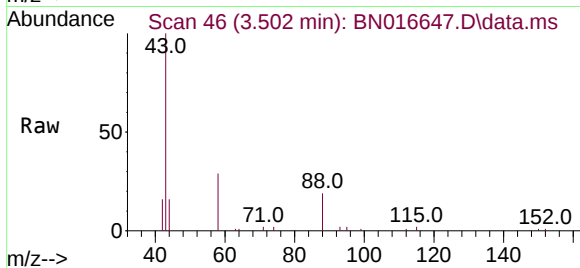




#3  
n-Nitrosodimethylamine  
Concen: 0.045 ng  
RT: 3.502 min Scan# 46  
Delta R.T. -0.074 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

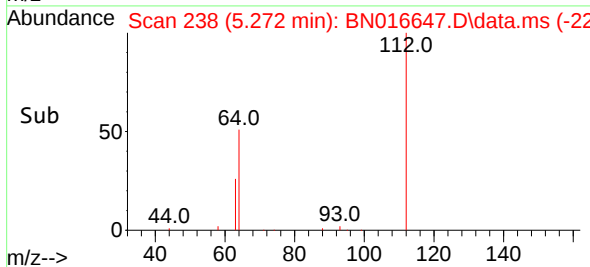
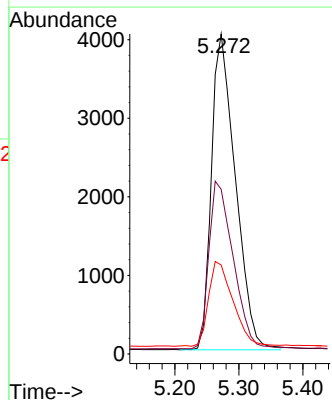
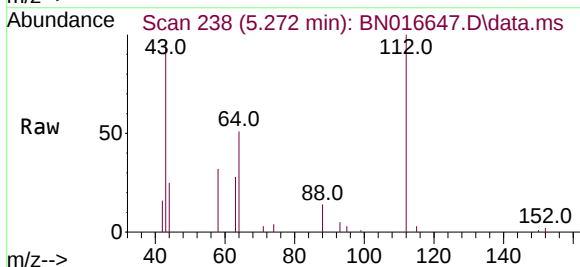
Instrument :  
BNA\_N  
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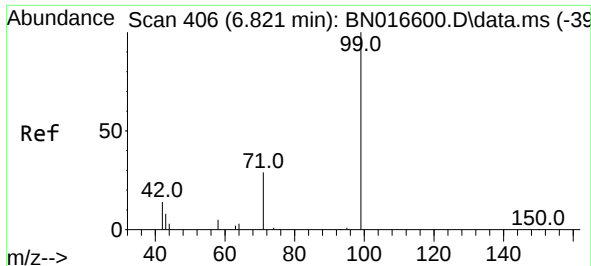
Tgt Ion: 42 Resp: 912  
Ion Ratio Lower Upper  
42 100  
74 0.2 121.6 182.4#  
44 97.3 6.3 9.5#



#4  
2-Fluorophenol  
Concen: 0.151 ng  
RT: 5.272 min Scan# 238  
Delta R.T. 0.018 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

Tgt Ion: 112 Resp: 10449  
Ion Ratio Lower Upper  
112 100  
64 53.9 43.1 64.7  
63 27.7 21.6 32.4

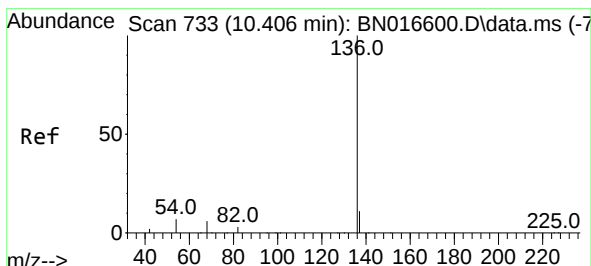
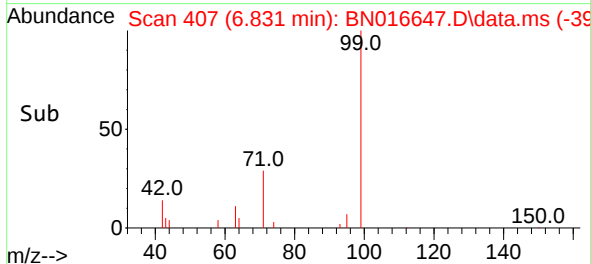
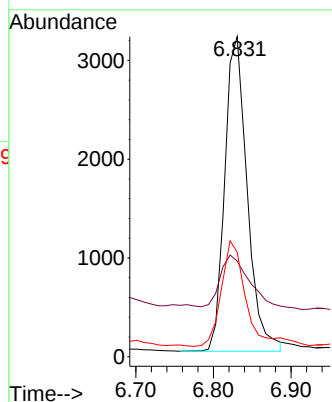
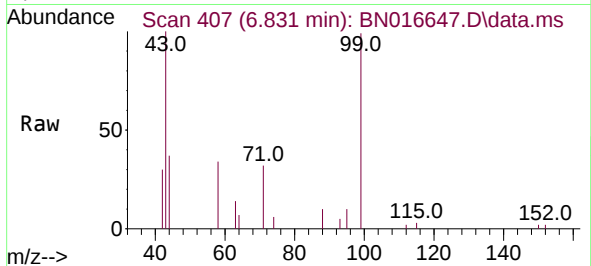




#5  
Phenol-d6  
Concen: 0.085 ng  
RT: 6.831 min Scan# 407  
Delta R.T. 0.009 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

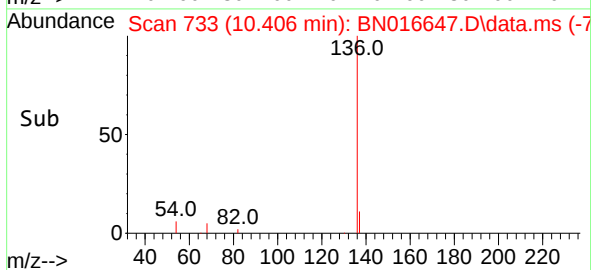
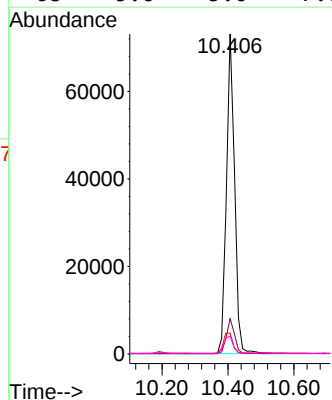
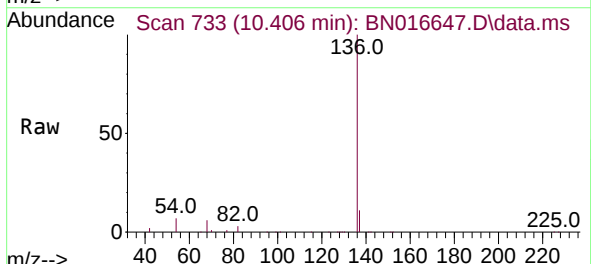
Instrument :  
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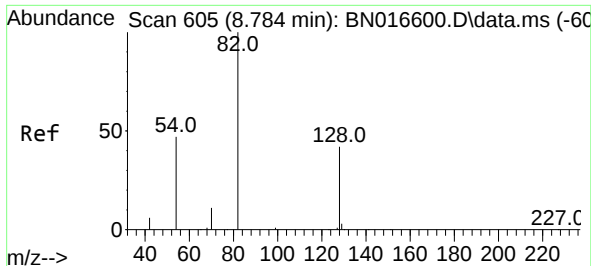
Tgt Ion: 99 Resp: 6411  
Ion Ratio Lower Upper  
99 100  
42 20.4 13.0 19.6#  
71 35.1 23.5 35.3



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.406 min Scan# 733  
Delta R.T. -0.000 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

Tgt Ion: 136 Resp: 124622  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.7 13.1  
54 6.5 5.9 8.9  
68 5.6 5.0 7.6

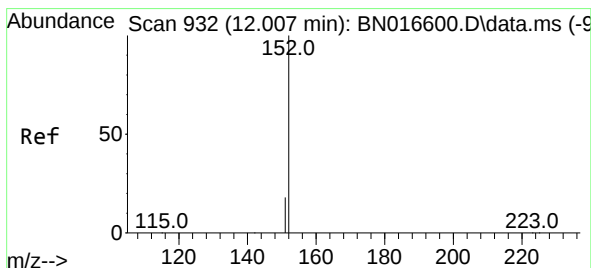
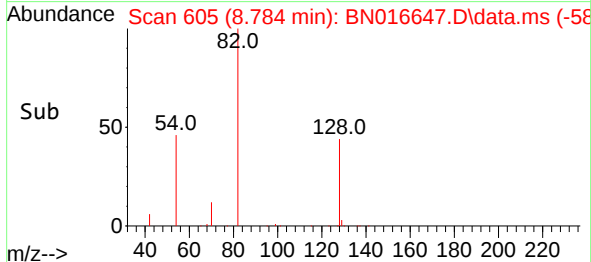
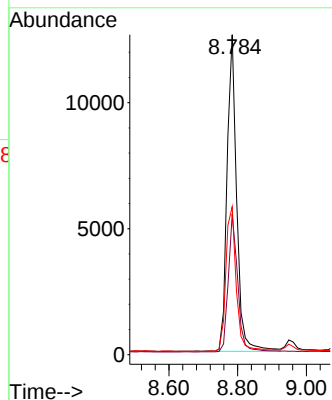
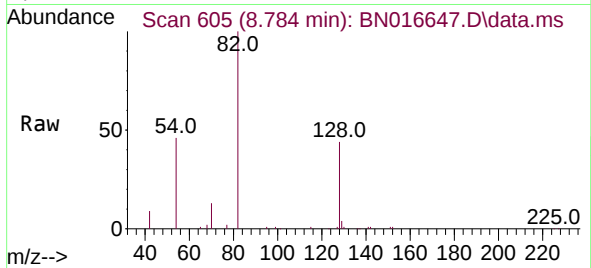




#8  
Nitrobenzene-d5  
Concen: 0.303 ng  
RT: 8.784 min Scan# 605  
Delta R.T. -0.000 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

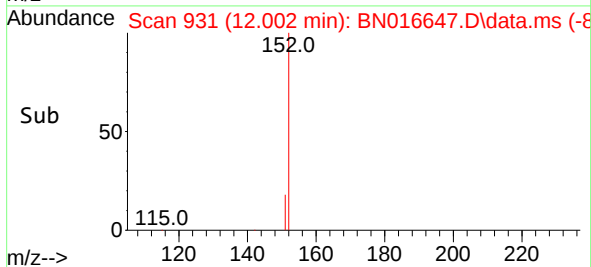
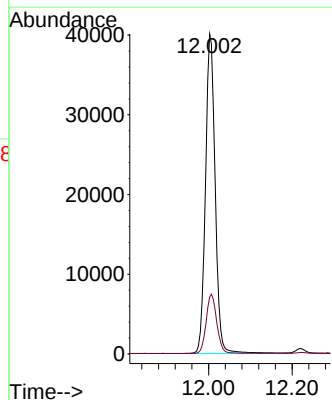
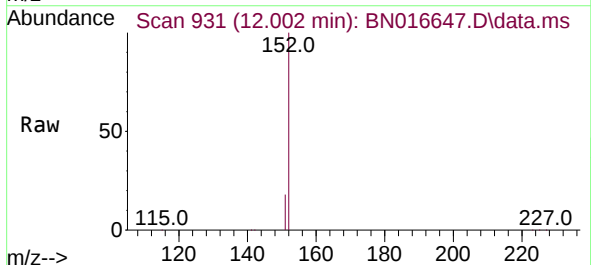
Instrument :  
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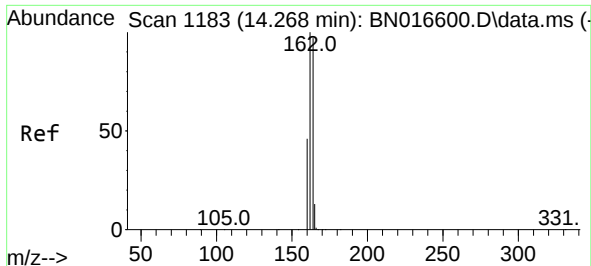
Tgt Ion: 82 Resp: 24577  
Ion Ratio Lower Upper  
82 100  
128 43.9 33.6 50.4  
54 46.3 37.6 56.4



#11  
2-Methylnaphthalene-d10  
Concen: 0.349 ng  
RT: 12.002 min Scan# 931  
Delta R.T. -0.005 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

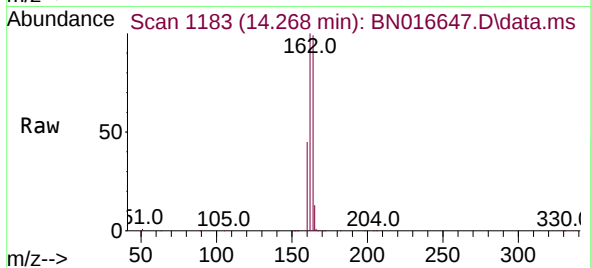
Tgt Ion: 152 Resp: 64334  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.2 24.4



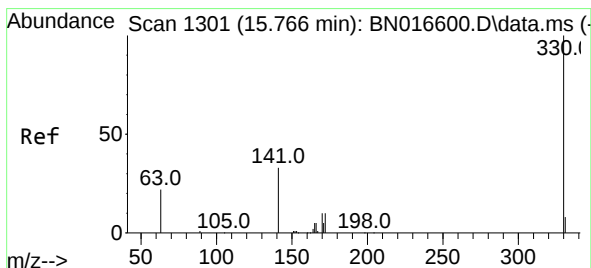
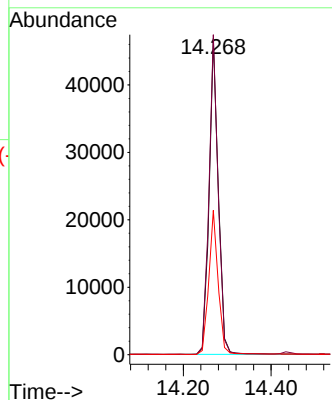
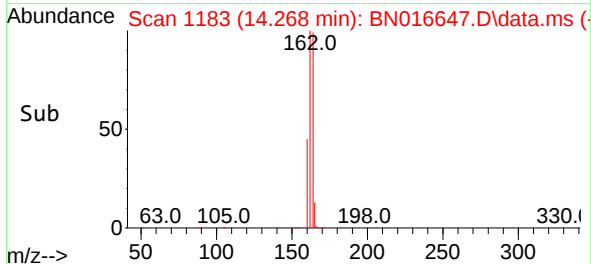


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.268 min Scan# 1183  
Delta R.T. -0.000 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

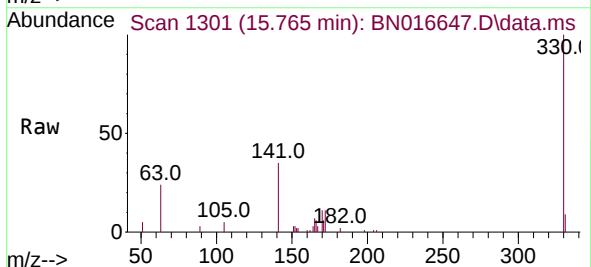
Instrument :  
BNA\_N  
ClientSampleId :  
DUP03-20210920



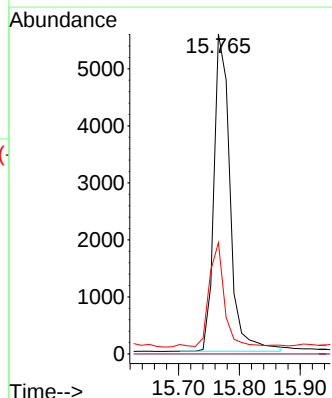
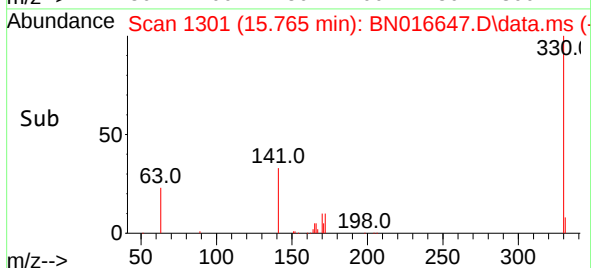
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Ion Ratio Lower Upper  
164 100  
162 101.2 82.2 123.2  
160 45.6 37.7 56.5

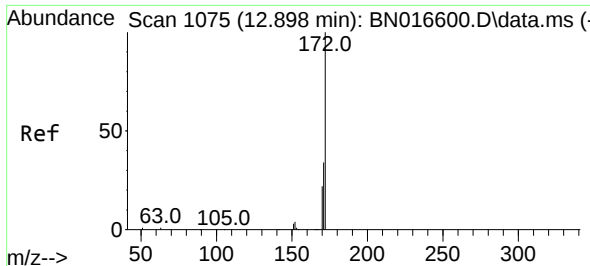


#14  
2,4,6-Tribromophenol  
Concen: 0.332 ng  
RT: 15.765 min Scan# 1301  
Delta R.T. -0.000 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59



Tgt Ion:330 Resp: 10248  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 31.2 25.2 37.8

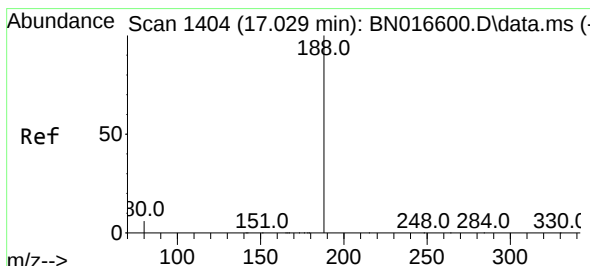
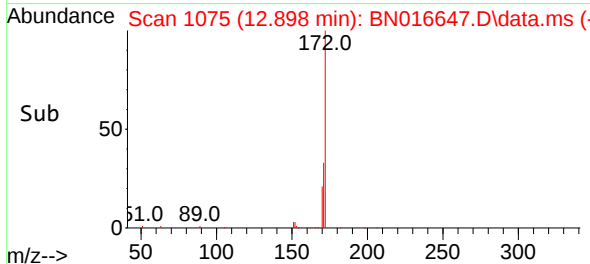
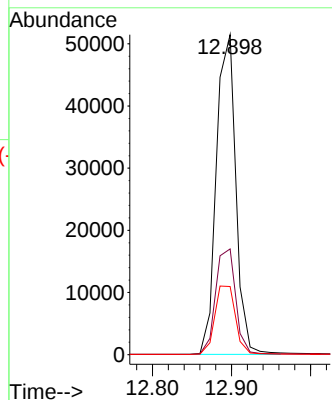
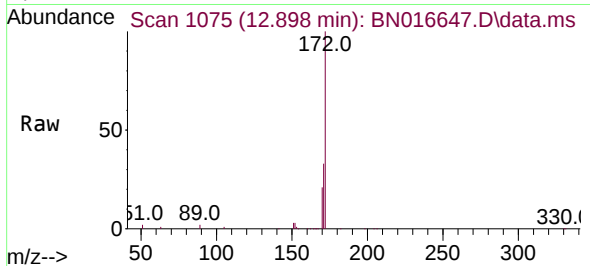




#15  
2-Fluorobiphenyl  
Concen: 0.321 ng  
RT: 12.898 min Scan# 1075  
Delta R.T. -0.000 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

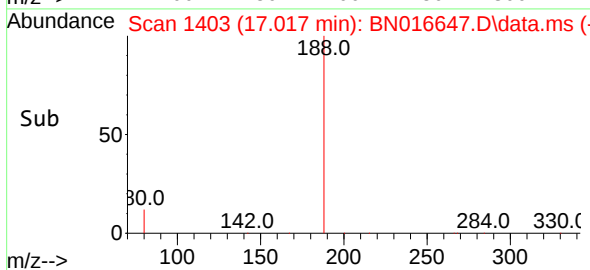
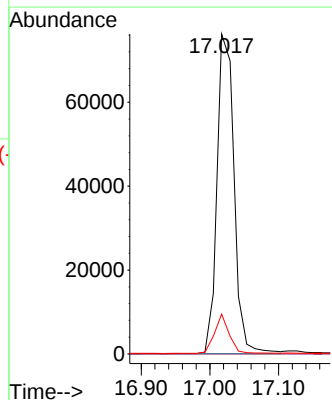
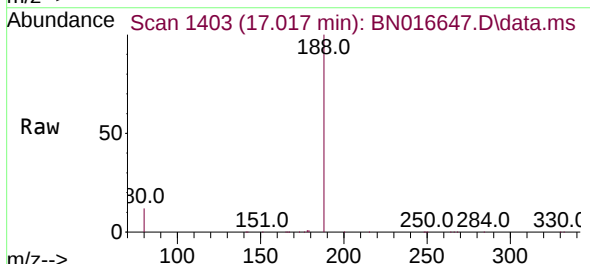
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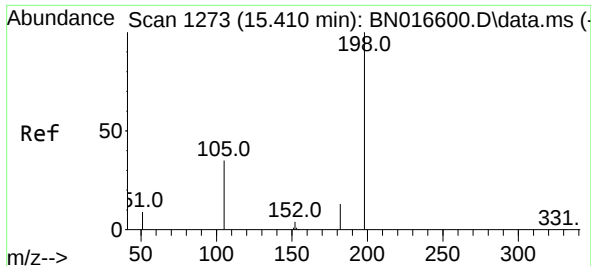
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 88261     |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 33.1  | 27.0 40.4 |
| 170         | 21.3  | 17.4 26.2 |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.017 min Scan# 1403  
Delta R.T. -0.012 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 131306   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 0.0   | 0.0 0.0  |
| 80          | 12.4  | 5.0 7.6# |

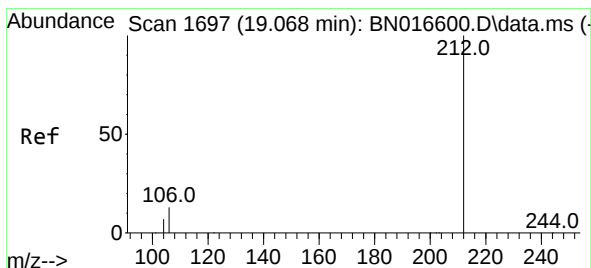
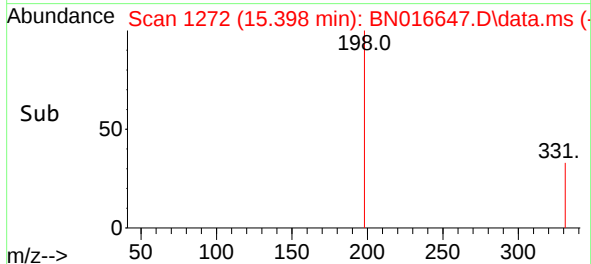
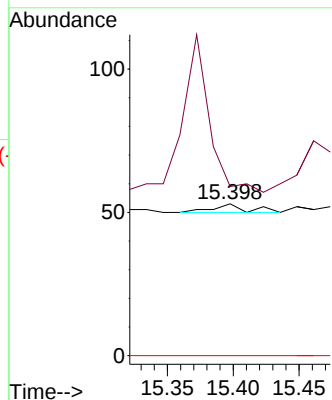
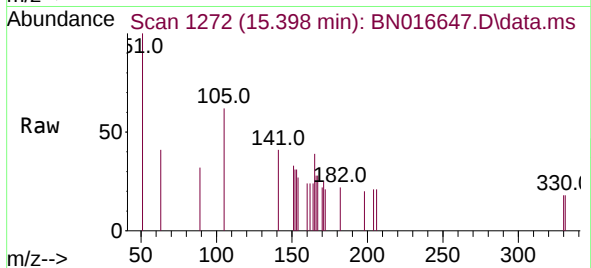




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.137 ng  
RT: 15.398 min Scan# 1272  
Delta R.T. -0.012 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

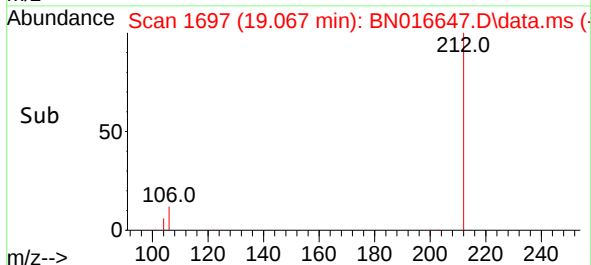
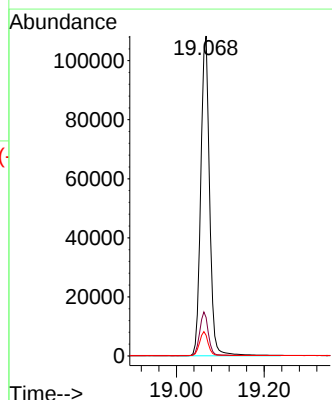
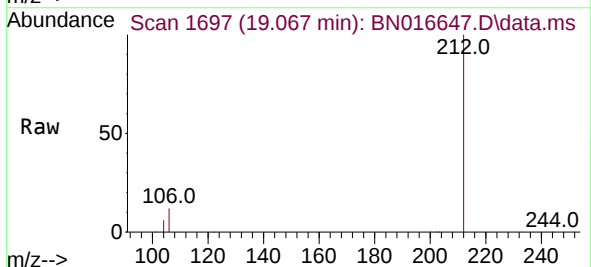
Instrument :  
BNA\_N  
ClientSampleId :  
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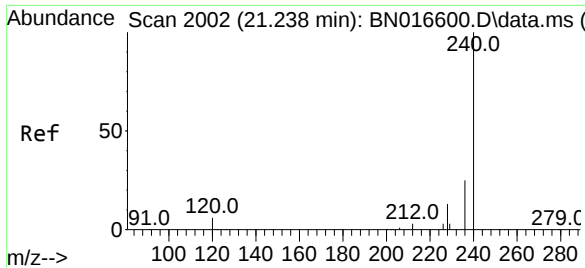
Tgt Ion:198 Resp: 5  
Ion Ratio Lower Upper  
198 100  
182 111.3 11.8 17.8#  
77 0.0 0.0 0.0



#27  
Fluoranthene-d10  
Concen: 0.430 ng  
RT: 19.067 min Scan# 1697  
Delta R.T. -0.000 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

Tgt Ion:212 Resp: 150064  
Ion Ratio Lower Upper  
212 100  
106 13.4 10.6 16.0  
104 7.3 5.9 8.9

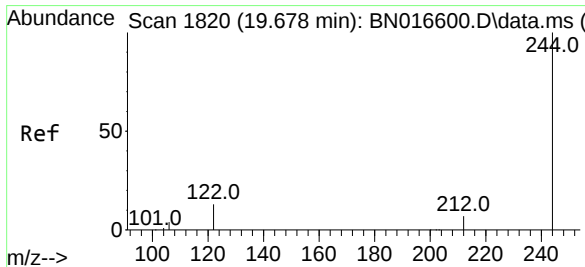
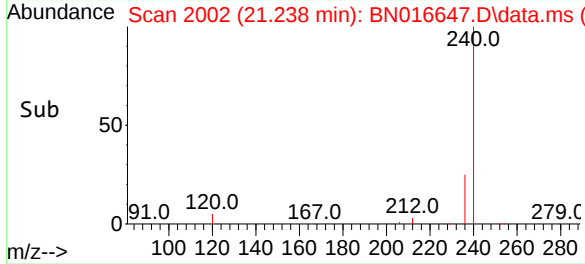
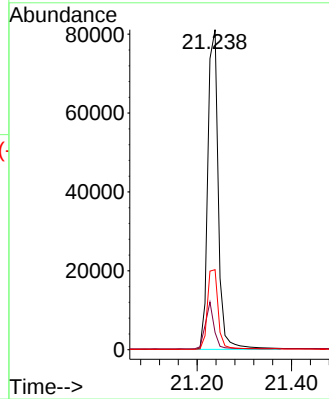
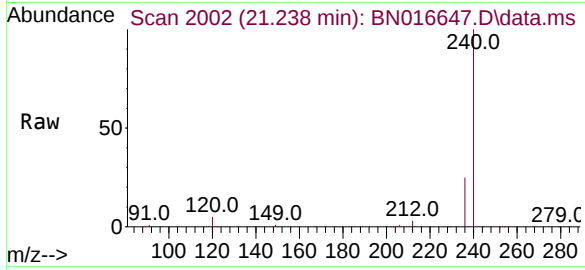




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.238 min Scan# 2002  
Delta R.T. -0.000 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

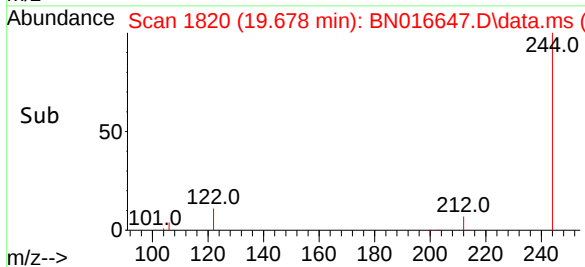
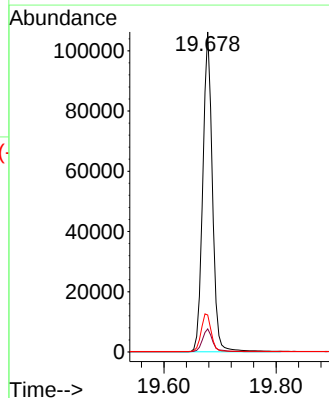
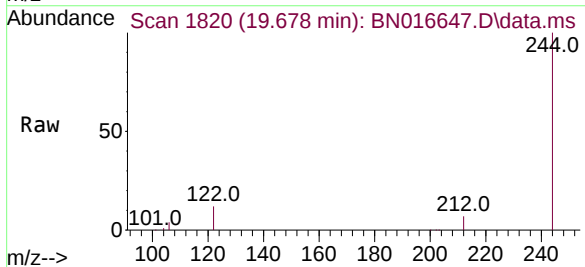
Instrument :  
BNA\_N  
ClientSampleId :  
DUP03-20210920

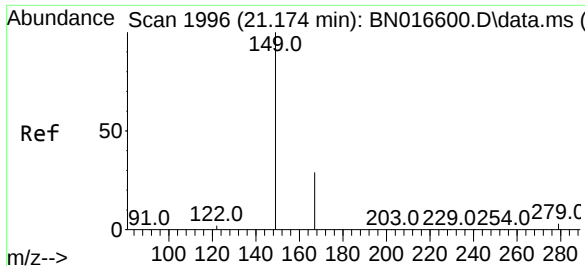
Tgt Ion:240 Resp: 124791  
Ion Ratio Lower Upper  
240 100  
120 5.4 5.0 7.4  
236 25.0 20.4 30.6



#31  
Terphenyl-d14  
Concen: 0.463 ng  
RT: 19.678 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: BN016647.D  
Acq: 01 Oct 2021 21:59

Tgt Ion:244 Resp: 125708  
Ion Ratio Lower Upper  
244 100  
212 7.2 6.0 9.0  
122 11.6 10.1 15.1

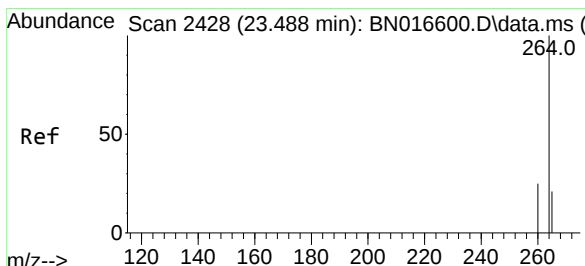
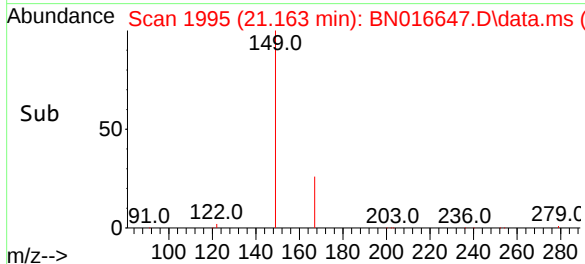
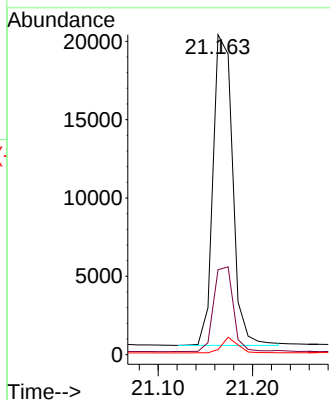
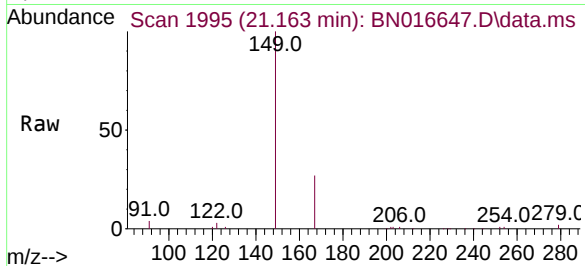




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.187 ng  
 RT: 21.163 min Scan# 1995  
 Delta R.T. -0.011 min  
 Lab File: BN016647.D  
 Acq: 01 Oct 2021 21:59

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP03-20210920

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 28536     |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 167         | 27.4  | 22.2 33.4 |
| 279         | 4.2   | 3.2 4.8   |



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.484 min Scan# 2427  
 Delta R.T. -0.004 min  
 Lab File: BN016647.D  
 Acq: 01 Oct 2021 21:59

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 129125    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 24.8  | 19.9 29.9 |
| 265         | 23.6  | 19.2 28.8 |

