

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082523\  
 Data File : BN027201.D  
 Acq On : 27 Aug 2023 22:31  
 Operator : MA/JU  
 Sample : 04051-03  
 Misc :  
 ALS Vial : 92 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT180D2-20230816

Quant Time: Aug 28 00:46:01 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 26 02:13:59 2023  
 Response via : Initial Calibration

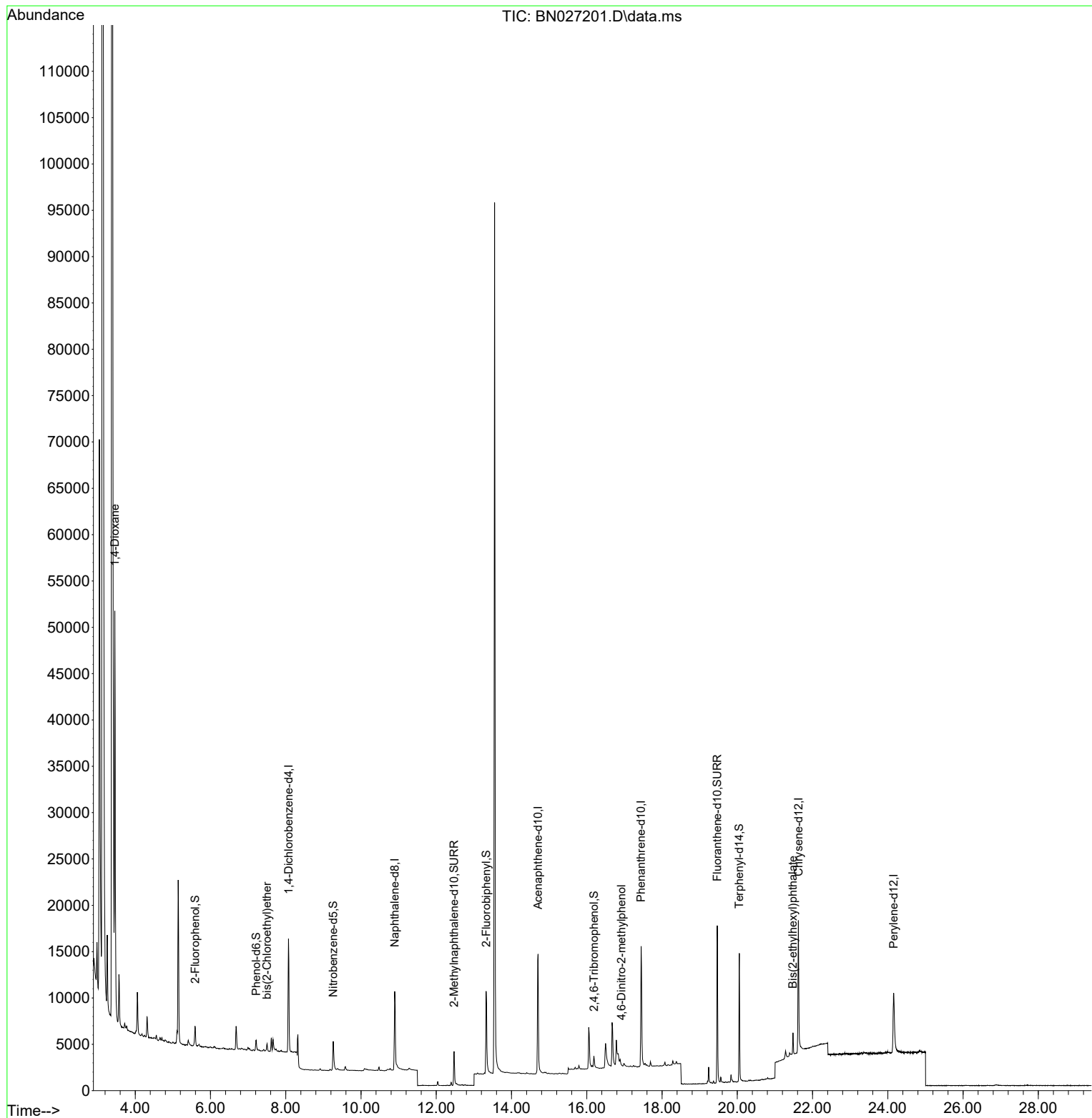
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.073  | 152  | 5967     | 0.400 | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.896 | 136  | 13824    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.705 | 164  | 8904     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.443 | 188  | 20365    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.623 | 240  | 15146    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.157 | 264  | 12565    | 0.400 | ng    | #-0.01   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.596  | 112  | 1834     | 0.109 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.214  | 99   | 1212     | 0.058 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.262  | 82   | 2809     | 0.241 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.472 | 152  | 5959     | 0.271 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 16.189 | 330  | 857      | 0.181 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.326 | 172  | 9433     | 0.285 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.467 | 212  | 18345    | 0.351 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.053 | 244  | 13898    | 0.439 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.458  | 88   | 28122    | 4.382 | ng    | # 97     |
| 6) bis(2-Chloroethyl)ether    | 7.503  | 93   | 568      | 0.033 | ng    | 91       |
| 20) 4,6-Dinitro-2-methylph... | 16.922 | 198  | 7        | 0.022 | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.480 | 149  | 2076     | 0.053 | ng    | # 95     |
| -----                         |        |      |          |       |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082523\  
Data File : BN027201.D  
Acq On : 27 Aug 2023 22:31  
Operator : MA/JU  
Sample : 04051-03  
Misc :  
ALS Vial : 92 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TT180D2-20230816

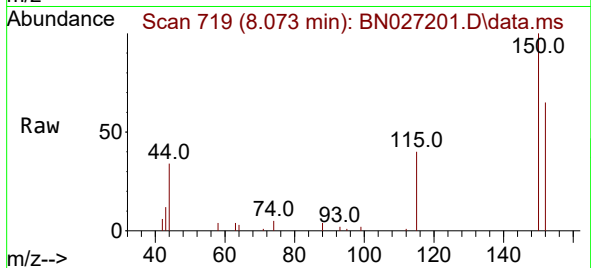
Quant Time: Aug 28 00:46:01 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Aug 26 02:13:59 2023  
Response via : Initial Calibration



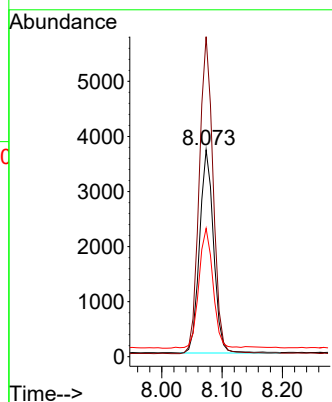
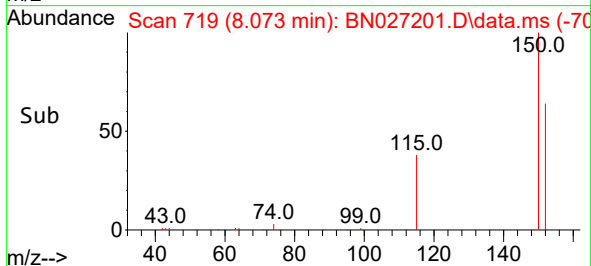


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.073 min Scan# 71  
 Delta R.T. -0.015 min  
 Lab File: BN027201.D  
 Acq: 27 Aug 2023 22:31

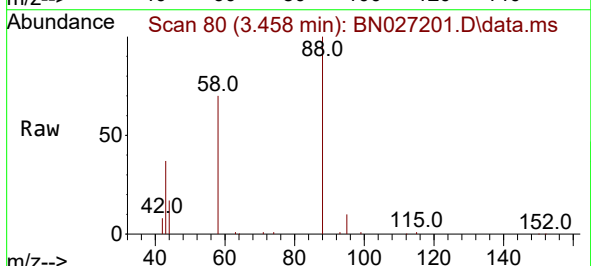
Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT180D2-20230816



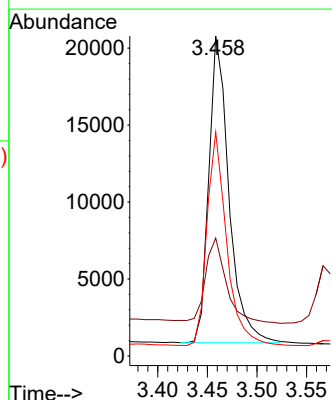
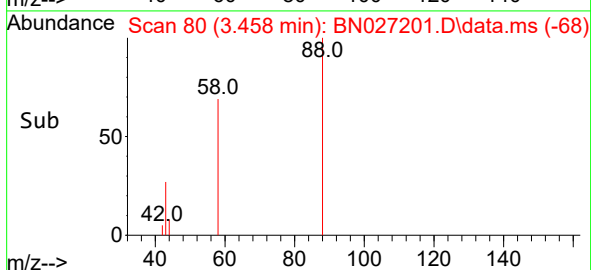
Tgt Ion:152 Resp: 5967  
 Ion Ratio Lower Upper  
 152 100  
 150 154.7 123.8 185.6  
 115 62.1 49.7 74.5



#2  
 1,4-Dioxane  
 Concen: 4.382 ng  
 RT: 3.458 min Scan# 80  
 Delta R.T. -0.014 min  
 Lab File: BN027201.D  
 Acq: 27 Aug 2023 22:31



Tgt Ion: 88 Resp: 28122  
 Ion Ratio Lower Upper  
 88 100  
 43 28.9 19.2 28.8#  
 58 67.9 54.5 81.7

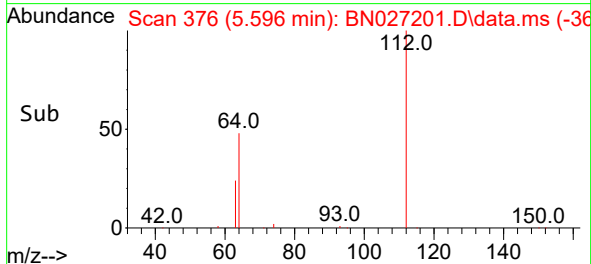
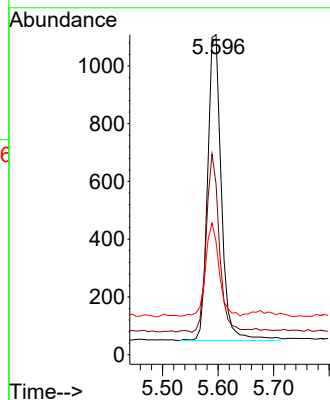
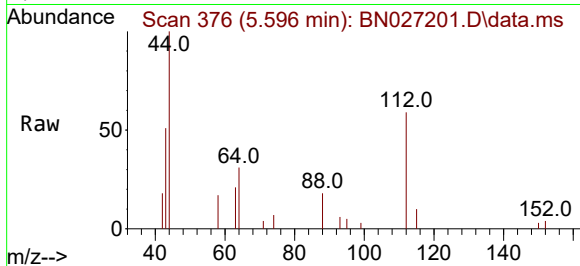




#4  
2-Fluorophenol  
Concen: 0.109 ng  
RT: 5.596 min Scan# 31  
Delta R.T. -0.007 min  
Lab File: BN027201.D  
Acq: 27 Aug 2023 22:31

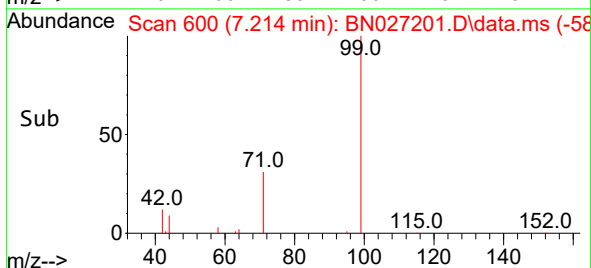
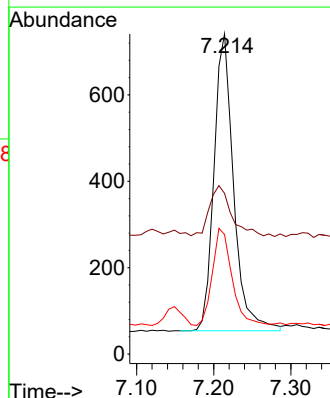
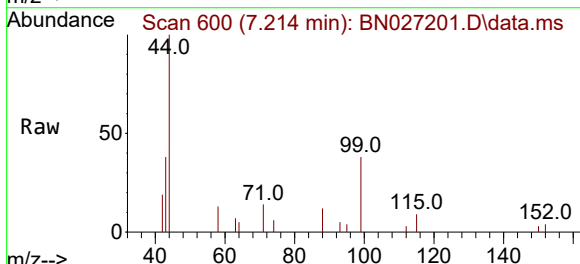
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D2-20230816

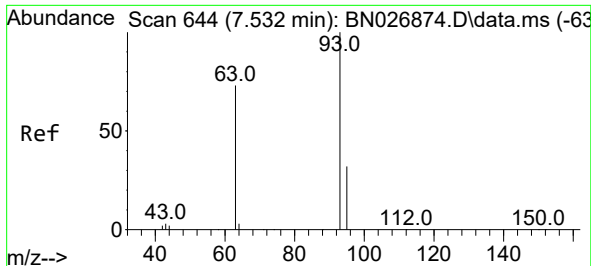
Tgt Ion:112 Resp: 1834  
Ion Ratio Lower Upper  
112 100  
64 54.6 41.5 62.3  
63 29.3 21.7 32.5



#5  
Phenol-d6  
Concen: 0.058 ng  
RT: 7.214 min Scan# 600  
Delta R.T. -0.007 min  
Lab File: BN027201.D  
Acq: 27 Aug 2023 22:31

Tgt Ion: 99 Resp: 1212  
Ion Ratio Lower Upper  
99 100  
42 19.7 13.6 20.4  
71 32.8 26.0 39.0

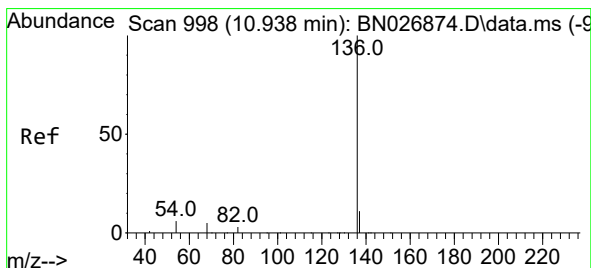
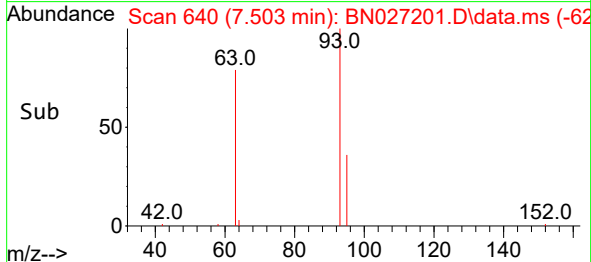
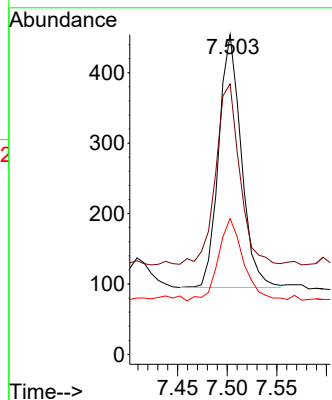
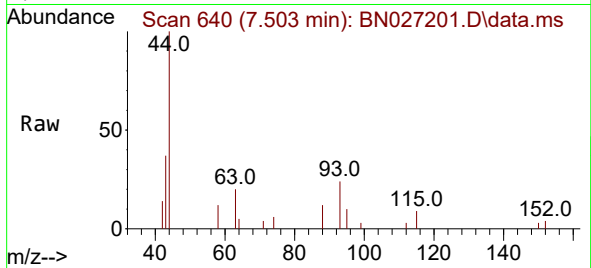




#6  
bis(2-Chloroethyl)ether  
Concen: 0.033 ng  
RT: 7.503 min Scan# 64  
Delta R.T. -0.007 min  
Lab File: BN027201.D  
Acq: 27 Aug 2023 22:31

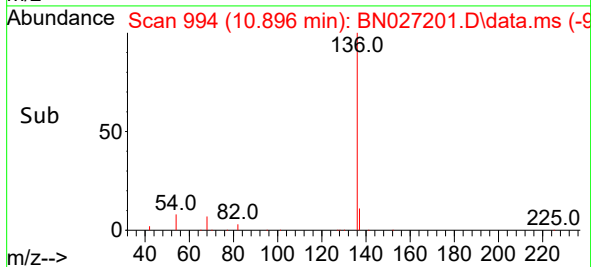
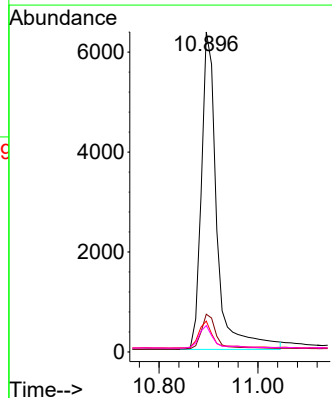
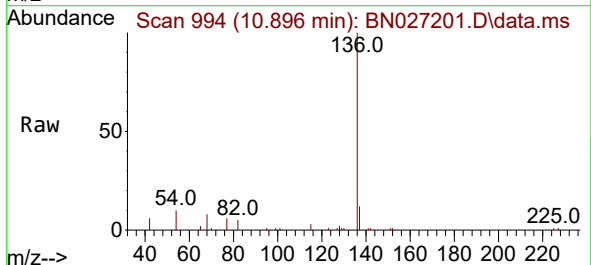
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D2-20230816

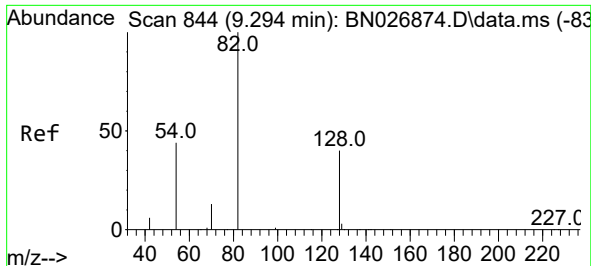
Tgt Ion: 93 Resp: 568  
Ion Ratio Lower Upper  
93 100  
63 77.3 55.0 82.4  
95 36.6 26.2 39.2



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.896 min Scan# 994  
Delta R.T. -0.011 min  
Lab File: BN027201.D  
Acq: 27 Aug 2023 22:31

Tgt Ion: 136 Resp: 13824  
Ion Ratio Lower Upper  
136 100  
137 11.8 9.0 13.6  
54 9.7 5.5 8.3#  
68 8.3 5.4 8.2#

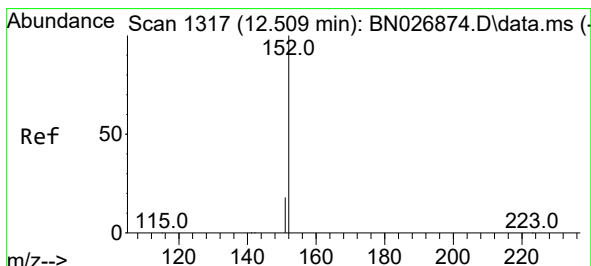
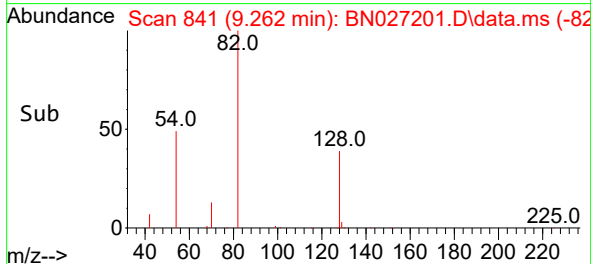
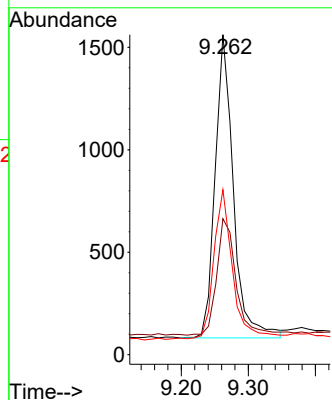
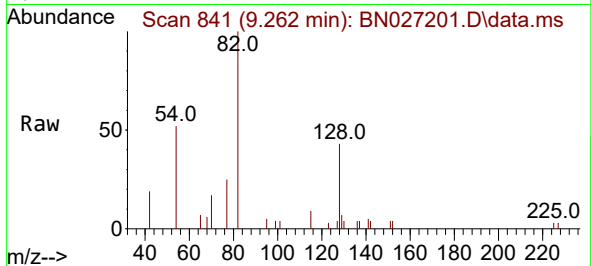




#8  
Nitrobenzene-d5  
Concen: 0.241 ng  
RT: 9.262 min Scan# 84  
Delta R.T. -0.011 min  
Lab File: BN027201.D  
Acq: 27 Aug 2023 22:31

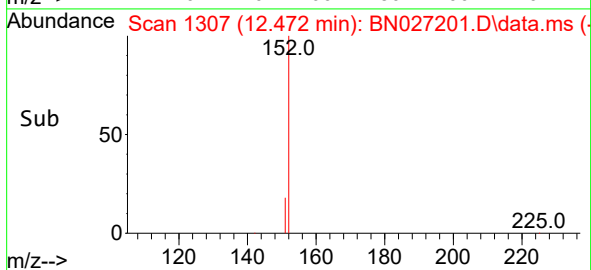
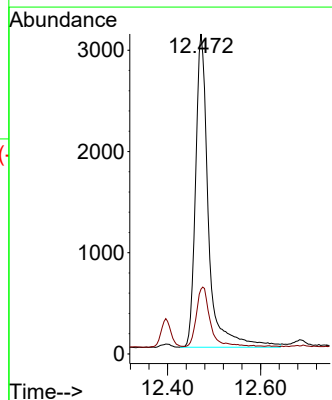
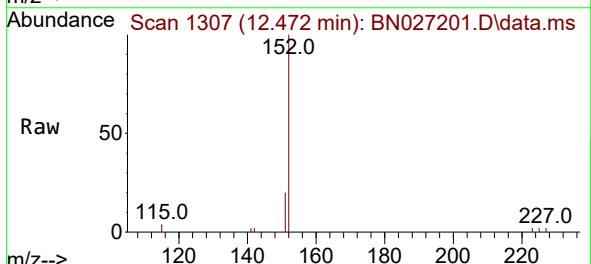
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D2-20230816

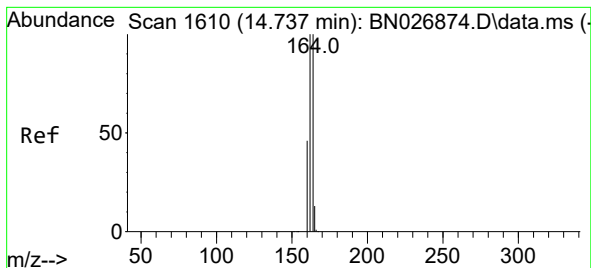
Tgt Ion: 82 Resp: 2809  
Ion Ratio Lower Upper  
82 100  
128 42.5 34.1 51.1  
54 51.5 37.0 55.4



#11  
2-Methylnaphthalene-d10  
Concen: 0.271 ng  
RT: 12.472 min Scan# 1307  
Delta R.T. -0.011 min  
Lab File: BN027201.D  
Acq: 27 Aug 2023 22:31

Tgt Ion: 152 Resp: 5959  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.3 24.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.705 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN027201.D

Acq: 27 Aug 2023 22:31

Instrument :

BNA\_N

ClientSampleId :

TT180D2-20230816

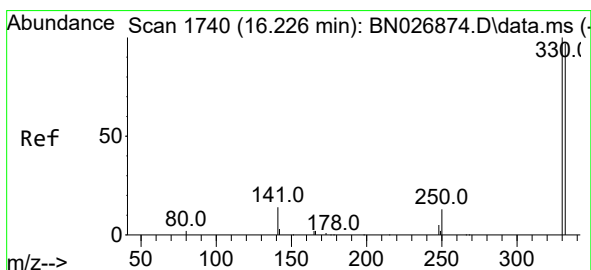
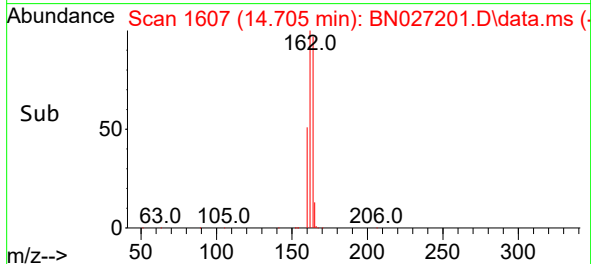
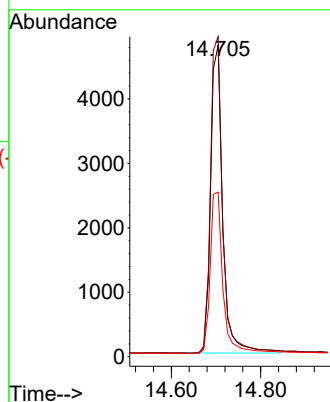
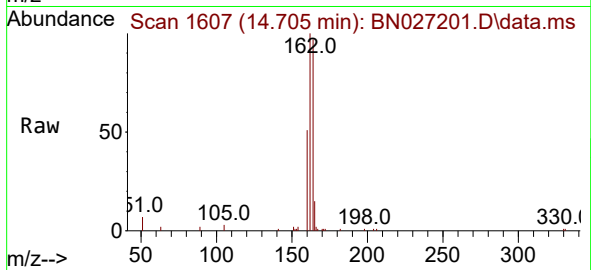
Tgt Ion:164 Resp: 8904

Ion Ratio Lower Upper

164 100

162 102.8 79.7 119.5

160 52.9 37.4 56.0



#14

2,4,6-Tribromophenol

Concen: 0.181 ng

RT: 16.189 min Scan# 1737

Delta R.T. -0.012 min

Lab File: BN027201.D

Acq: 27 Aug 2023 22:31

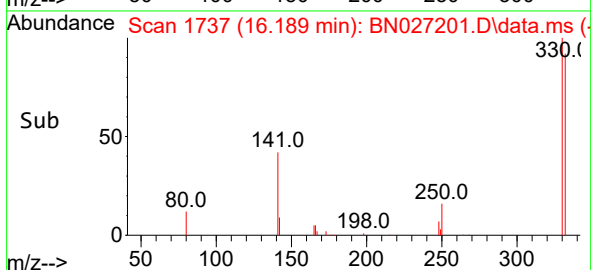
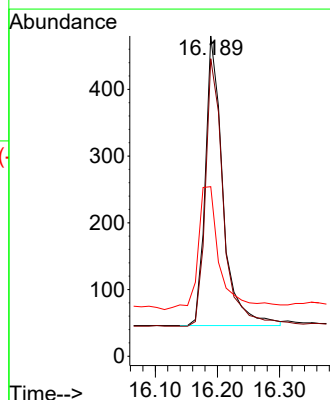
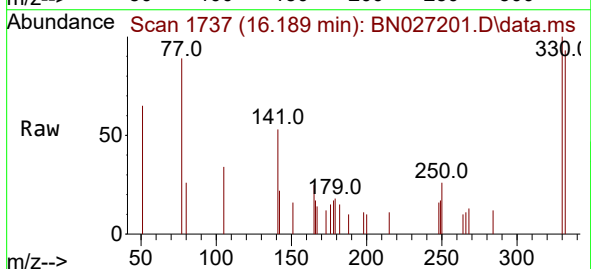
Tgt Ion:330 Resp: 857

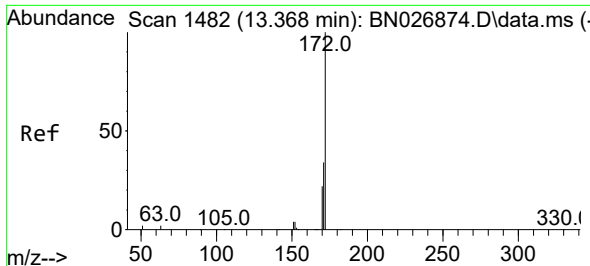
Ion Ratio Lower Upper

330 100

332 94.3 76.6 114.8

141 48.9 32.3 48.5#

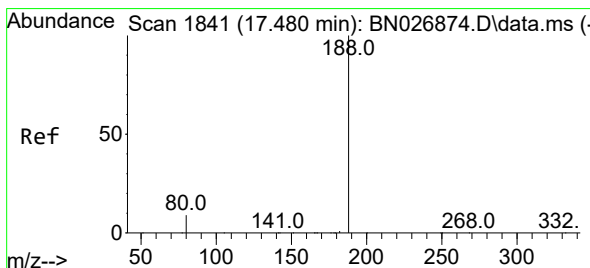
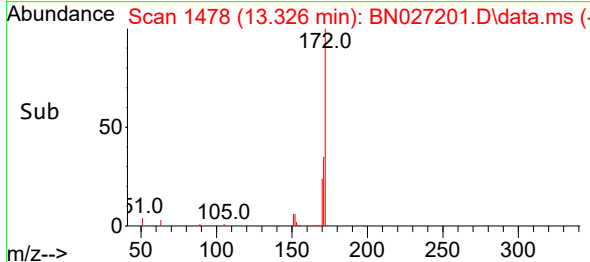
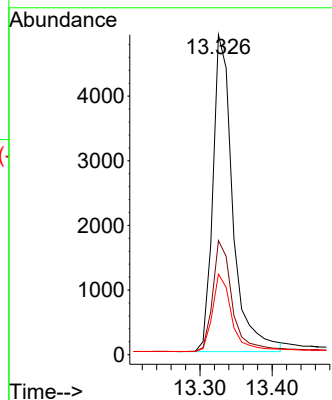
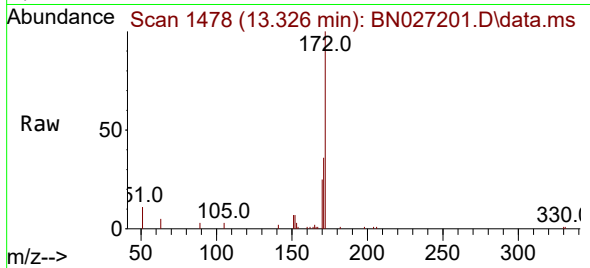




#15  
2-Fluorobiphenyl  
Concen: 0.285 ng  
RT: 13.326 min Scan# 1482  
Delta R.T. -0.011 min  
Lab File: BN027201.D  
Acq: 27 Aug 2023 22:31

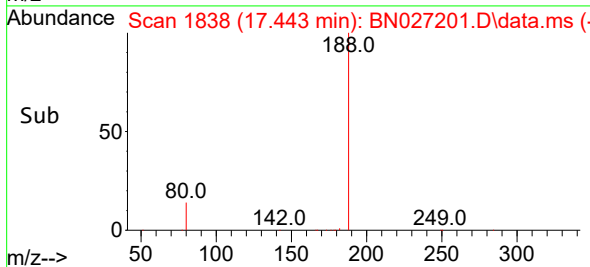
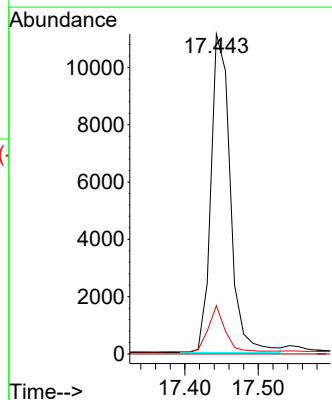
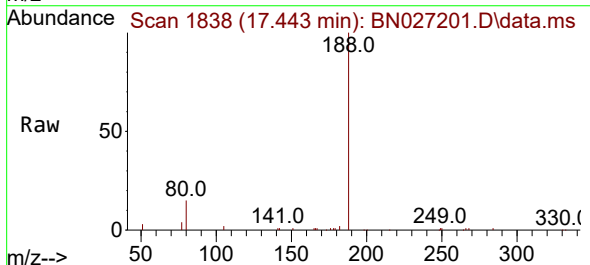
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D2-20230816

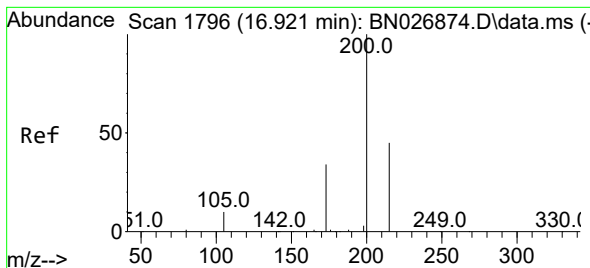
Tgt Ion:172 Resp: 9433  
Ion Ratio Lower Upper  
172 100  
171 35.6 27.4 41.0  
170 25.2 18.0 27.0



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.443 min Scan# 1838  
Delta R.T. -0.012 min  
Lab File: BN027201.D  
Acq: 27 Aug 2023 22:31

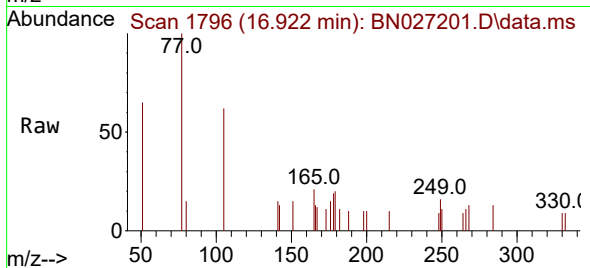
Tgt Ion:188 Resp: 20365  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 15.1 7.4 11.2#



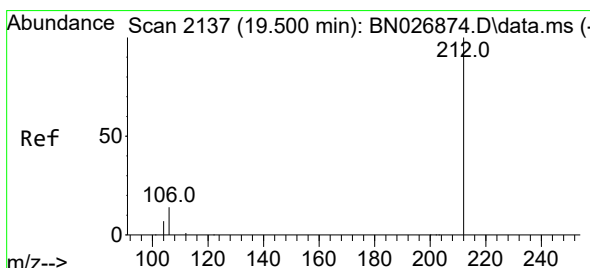
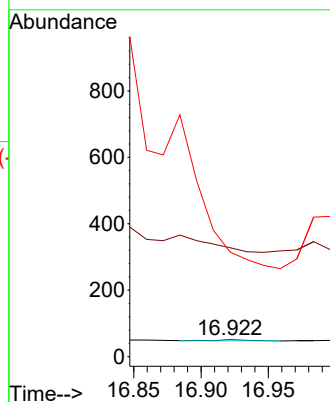
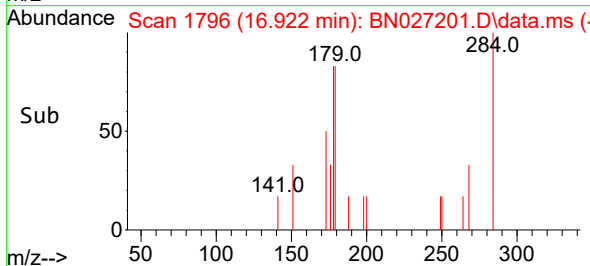


#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.022 ng  
RT: 16.922 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: BN027201.D  
Acq: 27 Aug 2023 22:31

Instrument :  
BNA\_N  
ClientSampleId :  
TT180D2-20230816

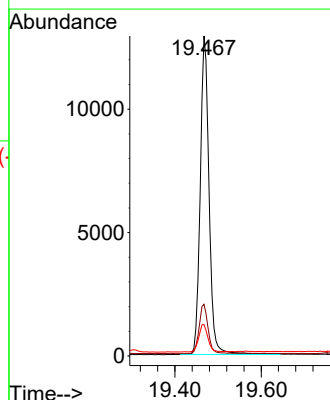
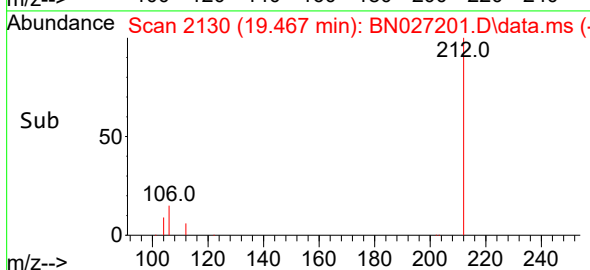
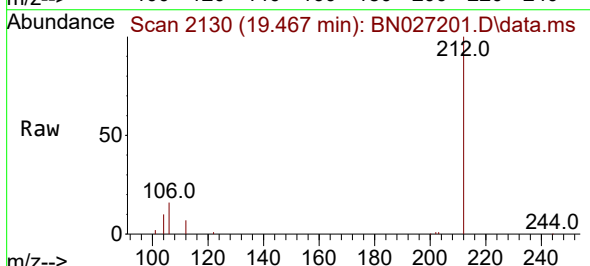


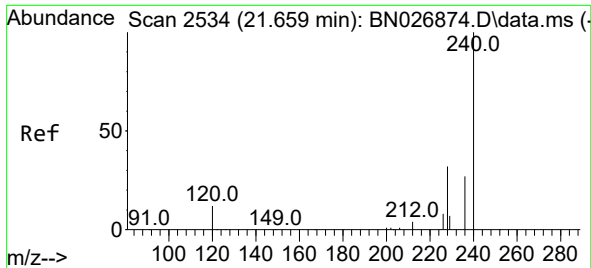
Tgt Ion:198 Resp: 7  
Ion Ratio Lower Upper  
198 100  
51 643.1 143.8 215.8#  
105 617.6 273.5 410.3#



#27  
Fluoranthene-d10  
Concen: 0.351 ng  
RT: 19.467 min Scan# 2130  
Delta R.T. -0.009 min  
Lab File: BN027201.D  
Acq: 27 Aug 2023 22:31

Tgt Ion:212 Resp: 18345  
Ion Ratio Lower Upper  
212 100  
106 15.8 10.9 16.3  
104 8.9 5.9 8.9#

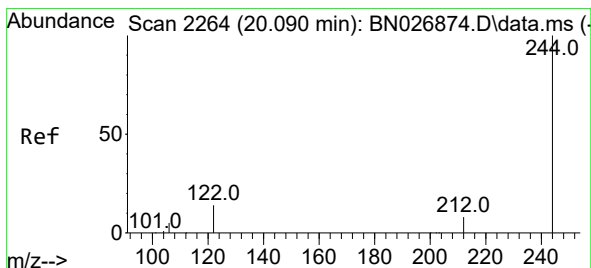
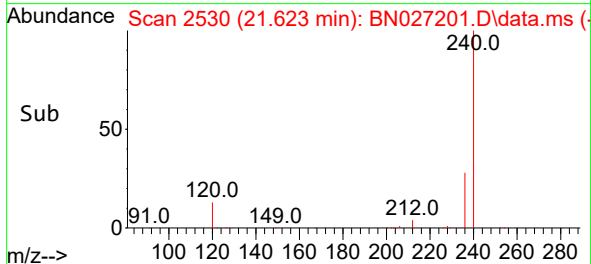
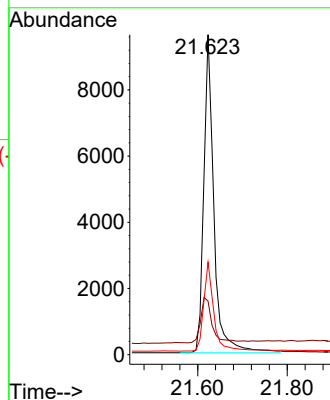
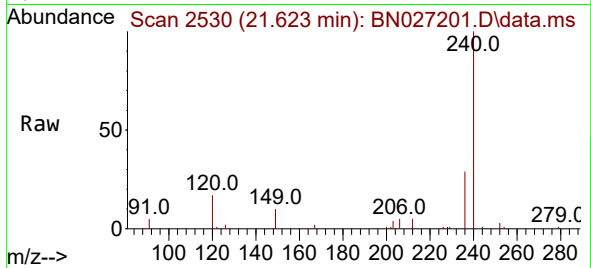




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.623 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN027201.D  
Acq: 27 Aug 2023 22:31

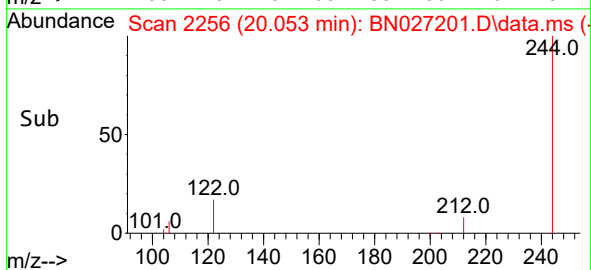
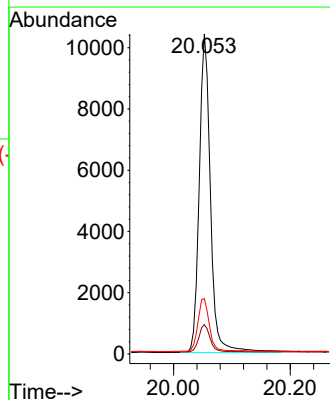
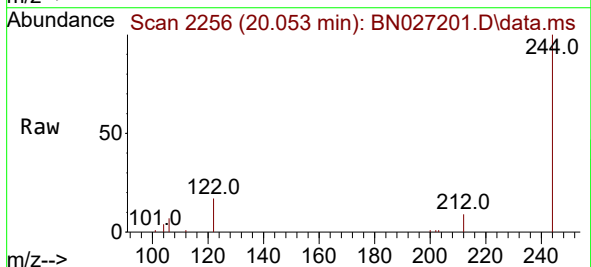
Instrument :  
BNA\_N  
ClientSampleId :  
TT180D2-20230816

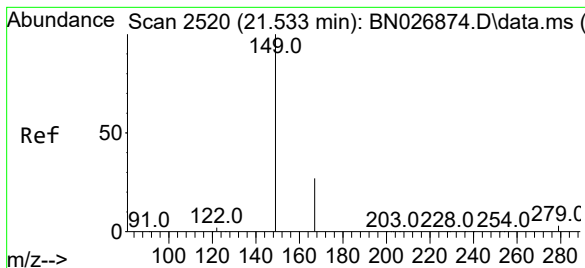
Tgt Ion:240 Resp: 15146  
Ion Ratio Lower Upper  
240 100  
120 16.7 11.1 16.7#  
236 28.9 22.2 33.2



#31  
Terphenyl-d14  
Concen: 0.439 ng  
RT: 20.053 min Scan# 2256  
Delta R.T. -0.009 min  
Lab File: BN027201.D  
Acq: 27 Aug 2023 22:31

Tgt Ion:244 Resp: 13898  
Ion Ratio Lower Upper  
244 100  
212 9.2 6.9 10.3  
122 17.3 11.9 17.9

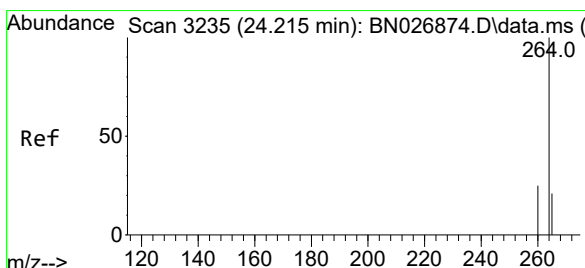
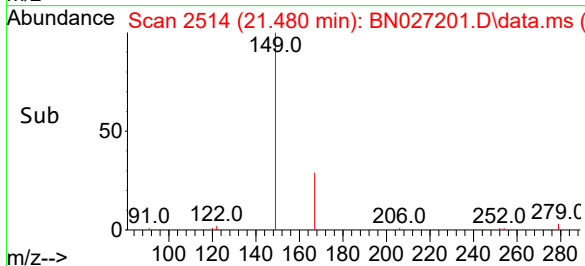
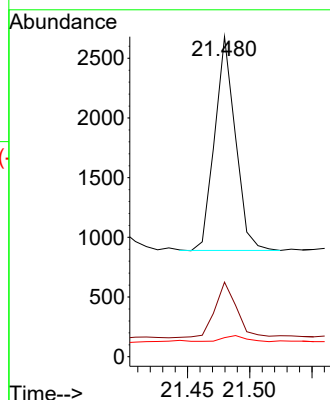
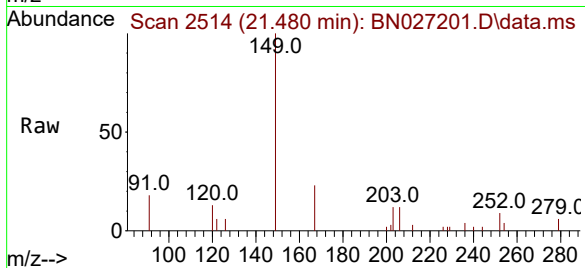




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.053 ng  
 RT: 21.480 min Scan# 2148  
 Delta R.T. -0.018 min  
 Lab File: BN027201.D  
 Acq: 27 Aug 2023 22:31

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT180D2-20230816

Tgt Ion:149 Resp: 2076  
 Ion Ratio Lower Upper  
 149 100  
 167 29.2 21.4 32.0  
 279 3.2 3.6 5.4#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.157 min Scan# 3215  
 Delta R.T. -0.014 min  
 Lab File: BN027201.D  
 Acq: 27 Aug 2023 22:31

Tgt Ion:264 Resp: 12565  
 Ion Ratio Lower Upper  
 264 100  
 260 26.3 20.4 30.6  
 265 76.3 27.0 40.6#

