

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031623\  
 Data File : BN024322.D  
 Acq On : 16 Mar 2023 21:49  
 Operator : CG/JU  
 Sample : 01843-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Mar 17 04:44:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN031323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 17 04:37:08 2023  
 Response via : Initial Calibration

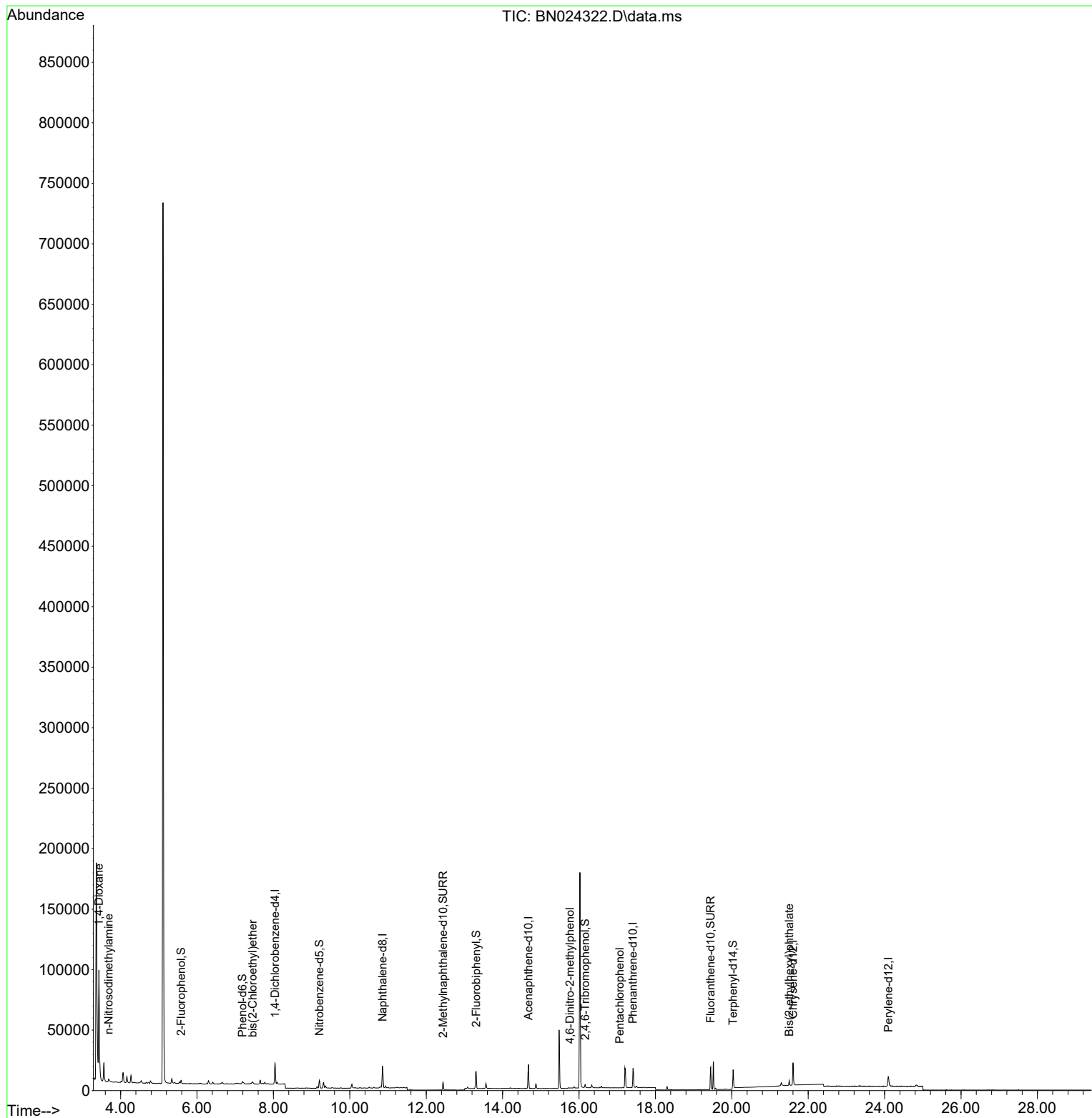
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.040  | 152  | 7625     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.855 | 136  | 22172    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.675 | 164  | 10396    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.413 | 188  | 21585    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.601 | 240  | 17121    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.100 | 264  | 13141    | 0.400 | ng    | #-0.01   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.584  | 112  | 2001     | 0.119 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.188  | 99   | 1523     | 0.070 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.200  | 82   | 5195     | 0.351 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.440 | 152  | 8307     | 0.305 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.159 | 330  | 1304     | 0.245 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.307 | 172  | 12930    | 0.329 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.446 | 212  | 18532    | 0.405 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.033 | 244  | 11278    | 0.391 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.432  | 88   | 54127    | 6.524 | ng    | 94       |
| 3) n-Nitrosodimethylamine     | 3.685  | 42   | 829      | 0.068 | ng    | # 1      |
| 6) bis(2-Chloroethyl)ether    | 7.455  | 93   | 899      | 0.042 | ng    | # 83     |
| 20) 4,6-Dinitro-2-methylph... | 15.762 | 198  | 10       | 0.181 | ng    | # 1      |
| 24) Pentachlorophenol         | 17.065 | 266  | 61       | 0.135 | ng    | # 48     |
| 34) Bis(2-ethylhexyl)phtha... | 21.502 | 149  | 3821     | 0.142 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

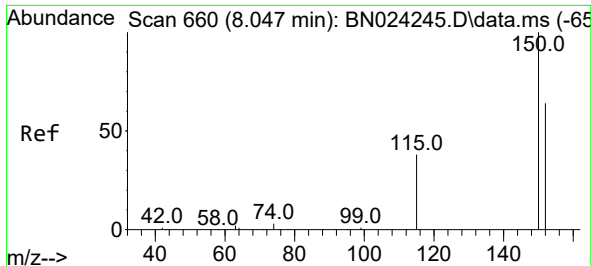
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031623\  
Data File : BN024322.D  
Acq On : 16 Mar 2023 21:49  
Operator : CG/JU  
Sample : 01843-05  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

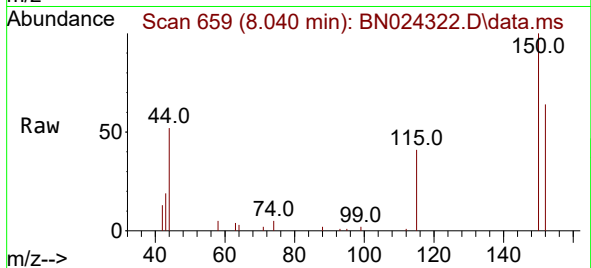
Quant Time: Mar 17 04:44:10 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN031323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 17 04:37:08 2023  
Response via : Initial Calibration



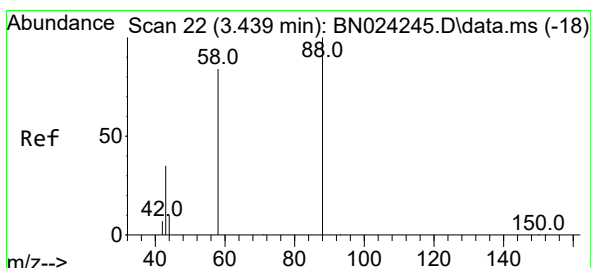
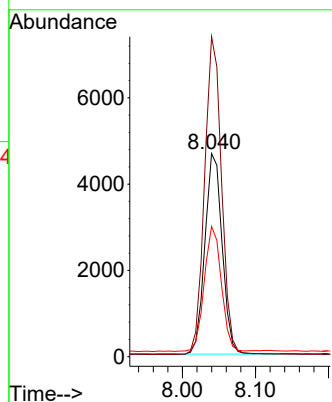
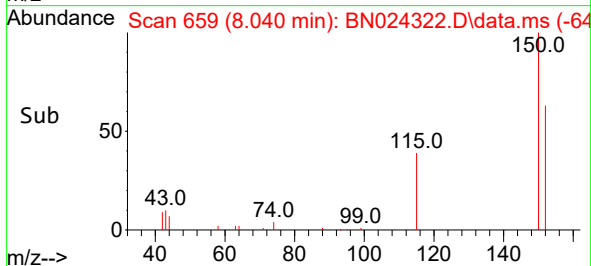


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.040 min Scan# 6  
 Delta R.T. -0.000 min  
 Lab File: BN024322.D  
 Acq: 16 Mar 2023 21:49

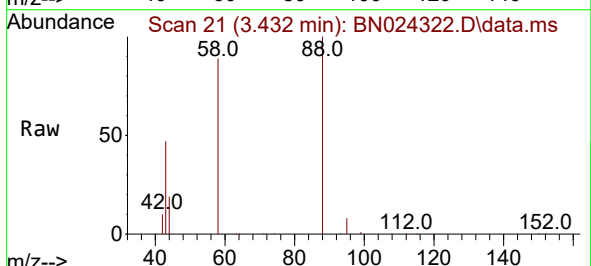
Instrument :  
 BNA\_N  
 ClientSampleId :



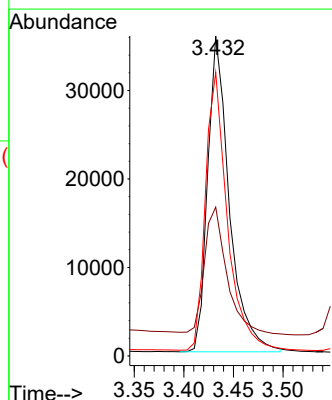
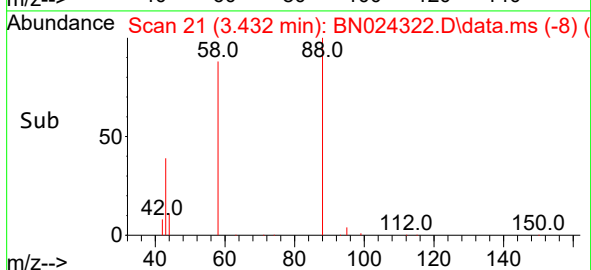
Tgt Ion:152 Resp: 7625  
 Ion Ratio Lower Upper  
 152 100  
 150 157.5 124.7 187.1  
 115 64.1 49.1 73.7

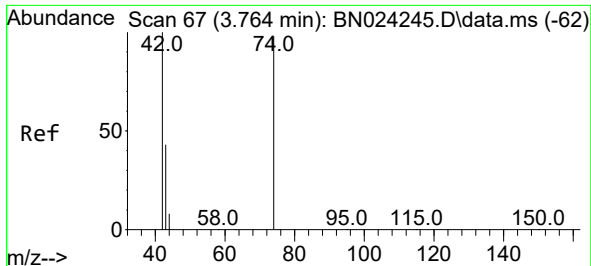


#2  
 1,4-Dioxane  
 Concen: 6.524 ng  
 RT: 3.432 min Scan# 21  
 Delta R.T. -0.007 min  
 Lab File: BN024322.D  
 Acq: 16 Mar 2023 21:49



Tgt Ion: 88 Resp: 54127  
 Ion Ratio Lower Upper  
 88 100  
 43 41.7 29.0 43.4  
 58 88.6 67.3 100.9

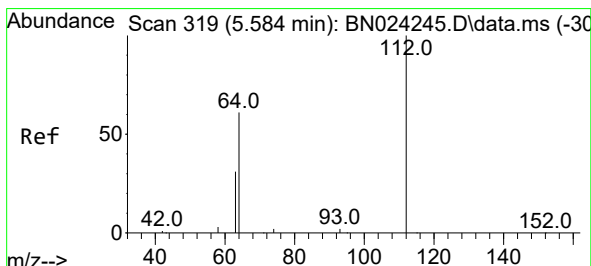
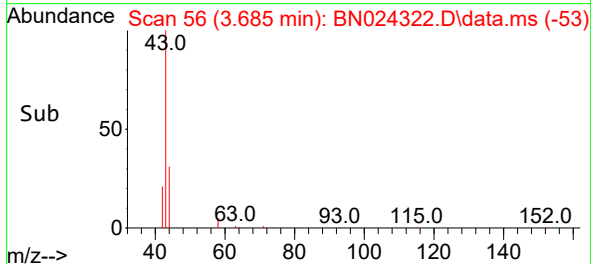
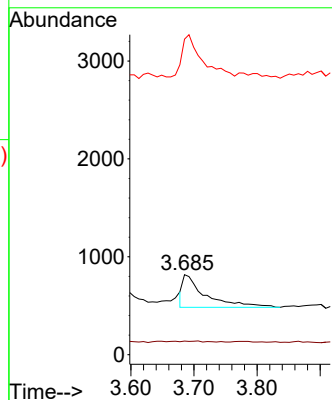
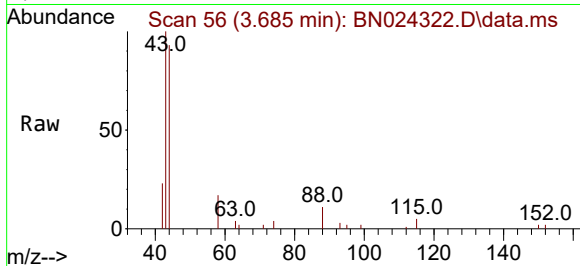




#3  
 n-Nitrosodimethylamine  
 Concen: 0.068 ng  
 RT: 3.685 min Scan# 50  
 Delta R.T. -0.079 min  
 Lab File: BN024322.D  
 Acq: 16 Mar 2023 21:49

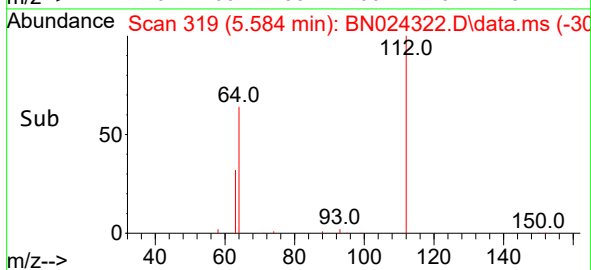
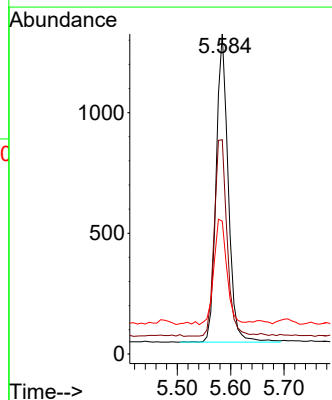
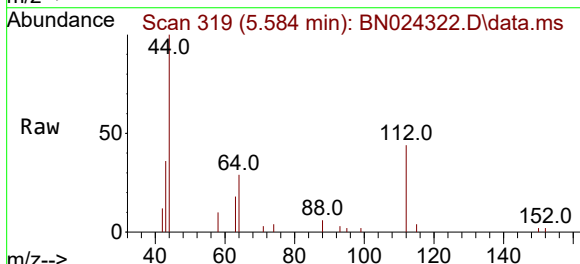
Instrument :  
 BNA\_N  
 ClientSampleId :

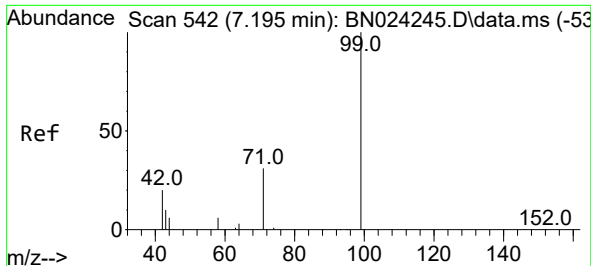
Tgt Ion: 42 Resp: 829  
 Ion Ratio Lower Upper  
 42 100  
 74 0.0 81.6 122.4#  
 44 99.2 7.3 10.9#



#4  
 2-Fluorophenol  
 Concen: 0.119 ng  
 RT: 5.584 min Scan# 319  
 Delta R.T. 0.007 min  
 Lab File: BN024322.D  
 Acq: 16 Mar 2023 21:49

Tgt Ion: 112 Resp: 2001  
 Ion Ratio Lower Upper  
 112 100  
 64 67.4 49.0 73.6  
 63 37.0 25.7 38.5

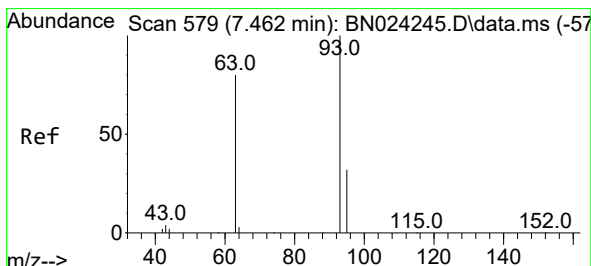
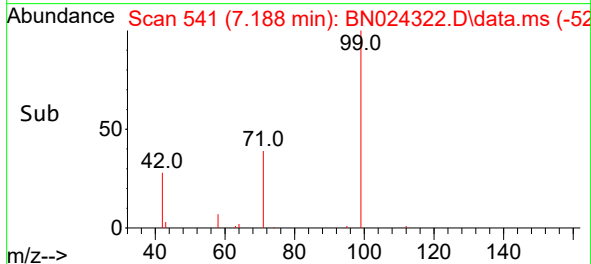
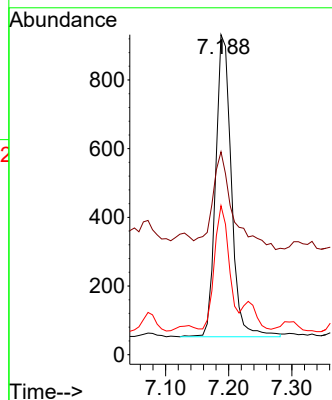
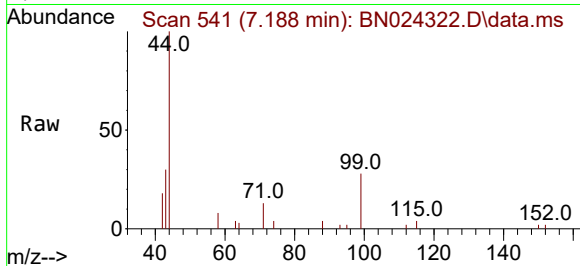




#5  
Phenol-d6  
Concen: 0.070 ng  
RT: 7.188 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: BN024322.D  
Acq: 16 Mar 2023 21:49

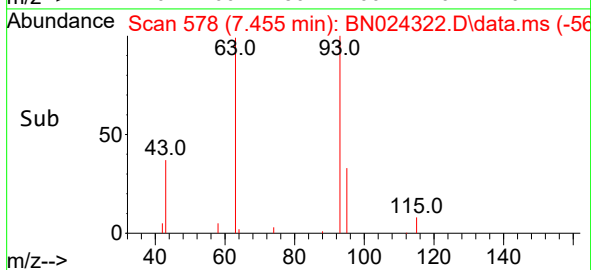
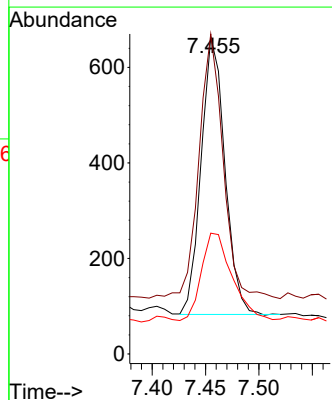
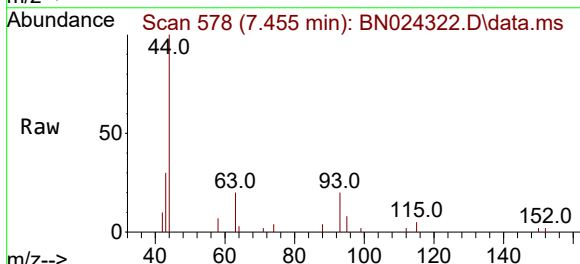
Instrument :  
BNA\_N  
ClientSampleId :

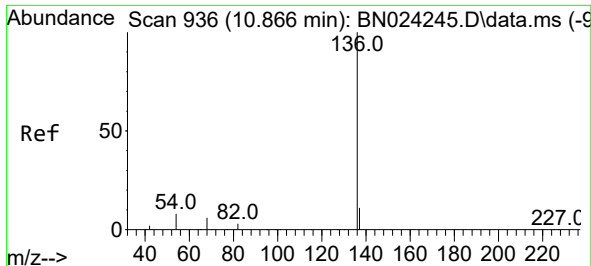
Tgt Ion: 99 Resp: 1523  
Ion Ratio Lower Upper  
99 100  
42 41.6 20.1 30.1#  
71 38.5 25.8 38.8



#6  
bis(2-Chloroethyl)ether  
Concen: 0.042 ng  
RT: 7.455 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: BN024322.D  
Acq: 16 Mar 2023 21:49

Tgt Ion: 93 Resp: 899  
Ion Ratio Lower Upper  
93 100  
63 97.3 65.4 98.2  
95 42.2 25.8 38.8#

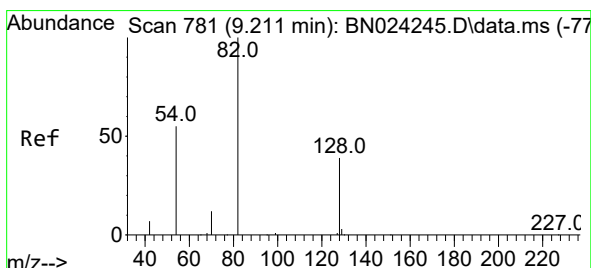
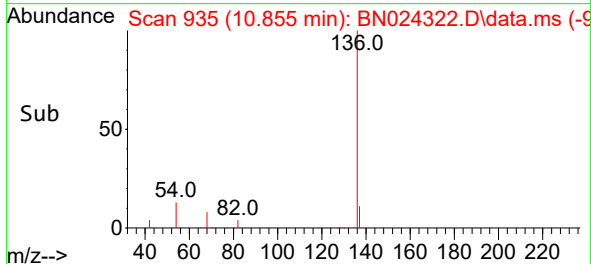
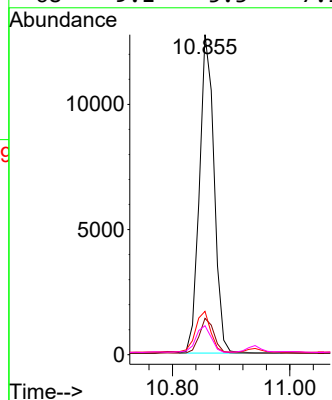
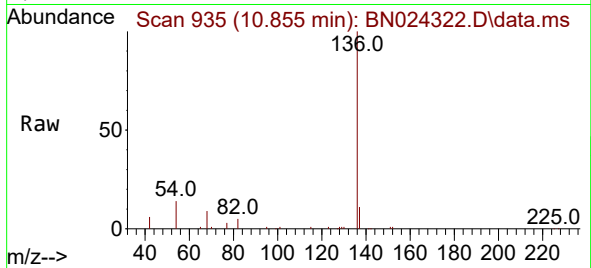




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.855 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN024322.D  
Acq: 16 Mar 2023 21:49

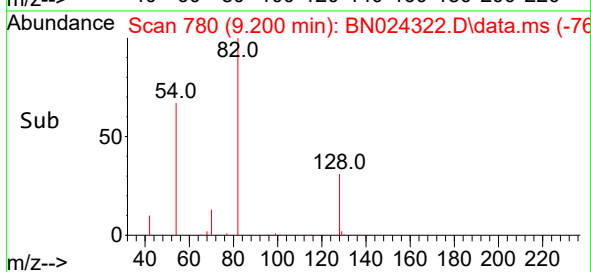
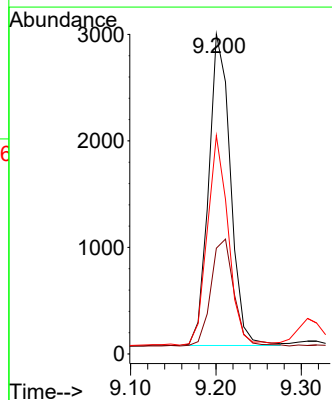
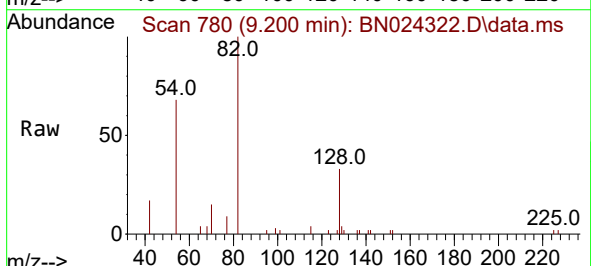
Instrument :  
BNA\_N  
ClientSampleId :

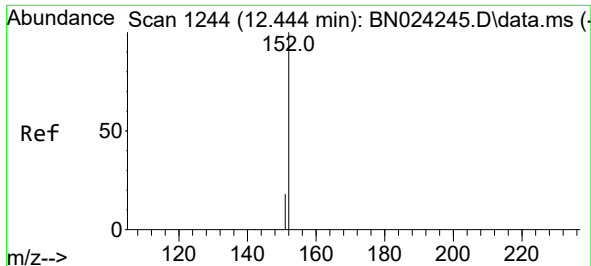
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 22172 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 8.9   | 13.3  |
| 54       | 13.6  | 7.1   | 10.7# |
| 68       | 9.1   | 5.3   | 7.9#  |



#8  
Nitrobenzene-d5  
Concen: 0.351 ng  
RT: 9.200 min Scan# 780  
Delta R.T. 0.000 min  
Lab File: BN024322.D  
Acq: 16 Mar 2023 21:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 5195  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 33.1  | 32.4  | 48.6  |
| 54       | 68.2  | 45.2  | 67.8# |

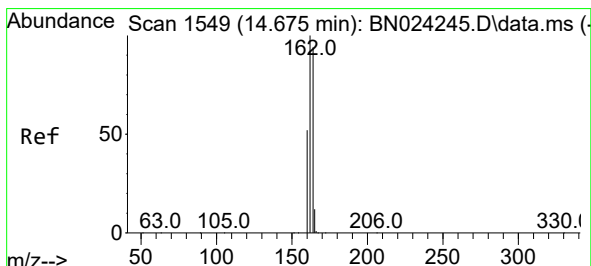
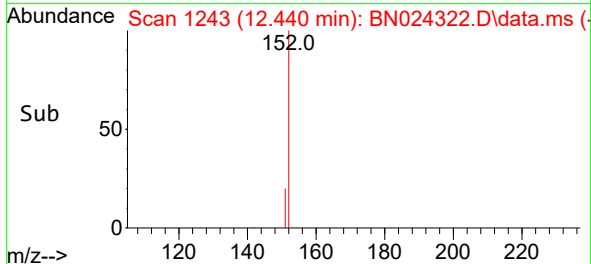
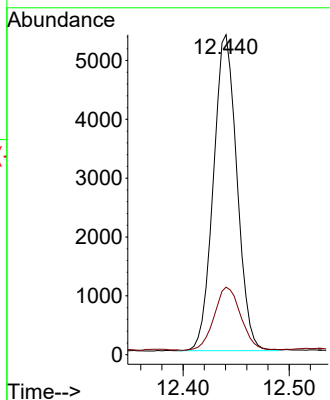
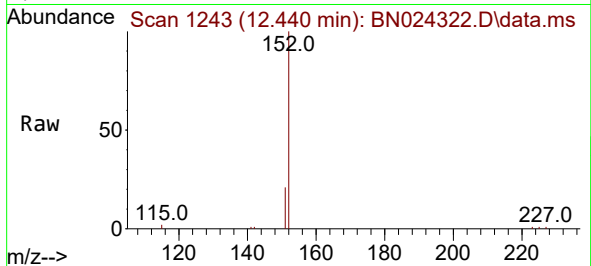




#11  
2-Methylnaphthalene-d10  
Concen: 0.305 ng  
RT: 12.440 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN024322.D  
Acq: 16 Mar 2023 21:49

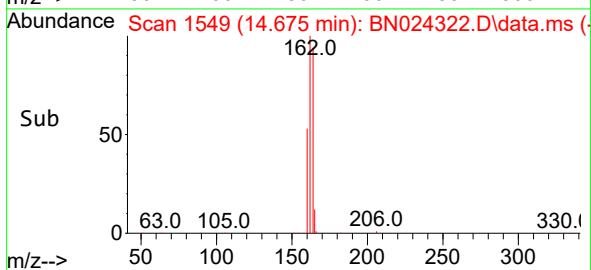
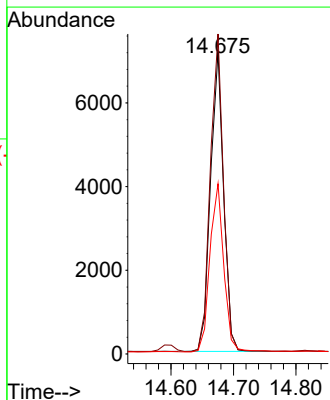
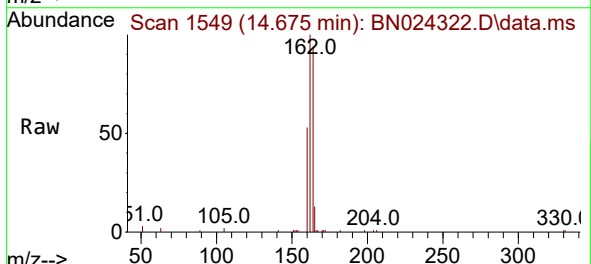
Instrument :  
BNA\_N  
ClientSampleId :

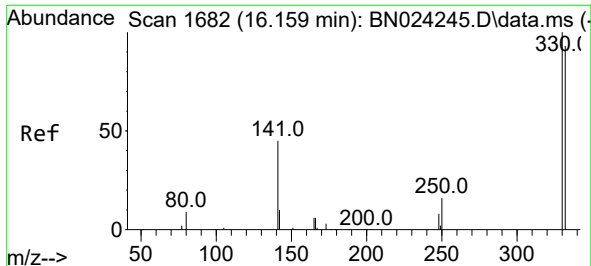
Tgt Ion:152 Resp: 8307  
Ion Ratio Lower Upper  
152 100  
151 22.7 16.8 25.2



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.675 min Scan# 1549  
Delta R.T. 0.000 min  
Lab File: BN024322.D  
Acq: 16 Mar 2023 21:49

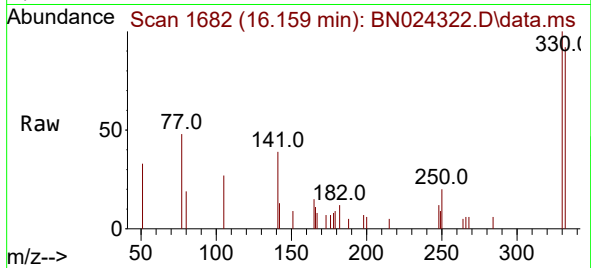
Tgt Ion:164 Resp: 10396  
Ion Ratio Lower Upper  
164 100  
162 106.0 84.7 127.1  
160 56.4 44.6 66.8



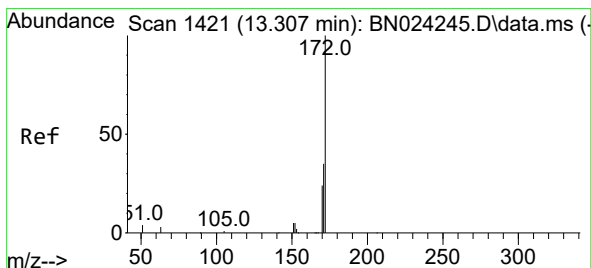
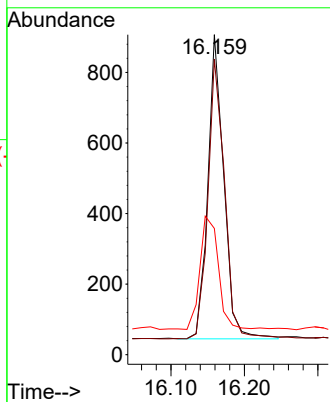
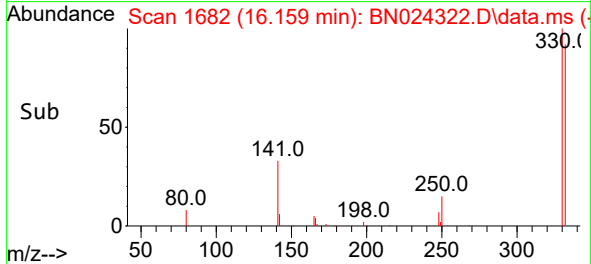


#14  
2,4,6-Tribromophenol  
Concen: 0.245 ng  
RT: 16.159 min Scan# 1682  
Delta R.T. 0.000 min  
Lab File: BN024322.D  
Acq: 16 Mar 2023 21:49

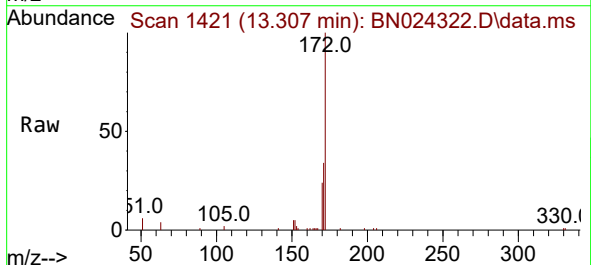
Instrument :  
BNA\_N  
ClientSampleId :



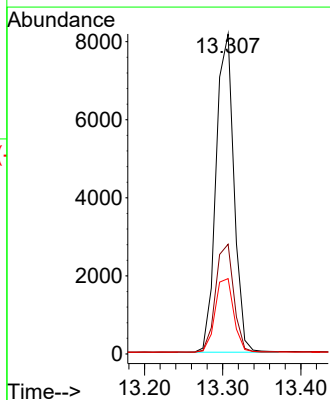
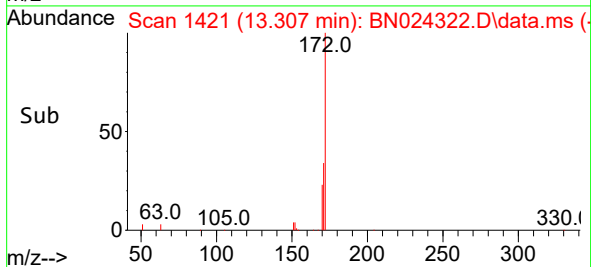
Tgt Ion: 330 Resp: 1304  
Ion Ratio Lower Upper  
330 100  
332 95.6 78.0 117.0  
141 42.2 30.8 46.2



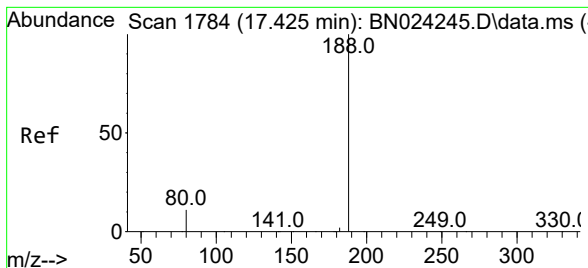
#15  
2-Fluorobiphenyl  
Concen: 0.329 ng  
RT: 13.307 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BN024322.D  
Acq: 16 Mar 2023 21:49



Tgt Ion: 172 Resp: 12930  
Ion Ratio Lower Upper  
172 100  
171 34.3 27.8 41.8  
170 23.5 19.0 28.6







#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.413 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN024322.D

Acq: 16 Mar 2023 21:49

Instrument :

BNA\_N

ClientSampleId :

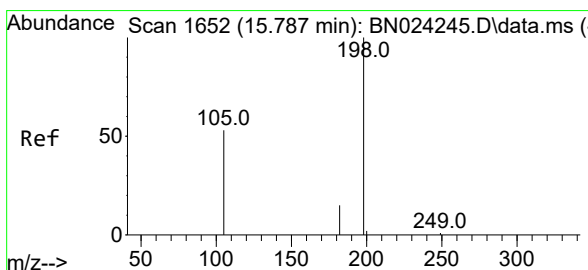
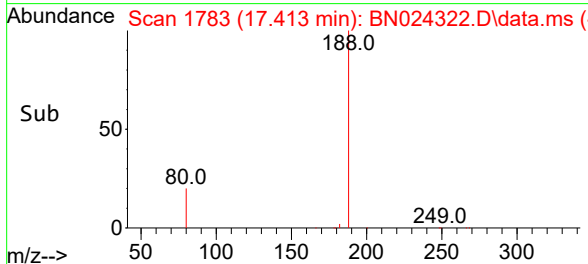
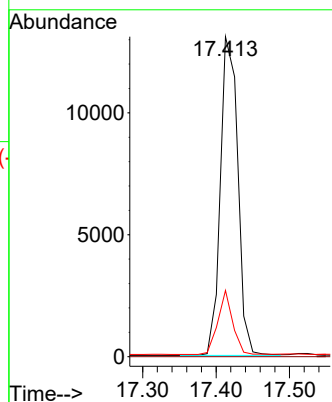
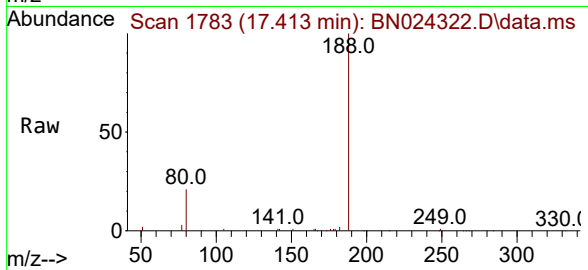
Tgt Ion:188 Resp: 21585

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 20.7 8.9 13.3#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.181 ng

RT: 15.762 min Scan# 1650

Delta R.T. -0.025 min

Lab File: BN024322.D

Acq: 16 Mar 2023 21:49

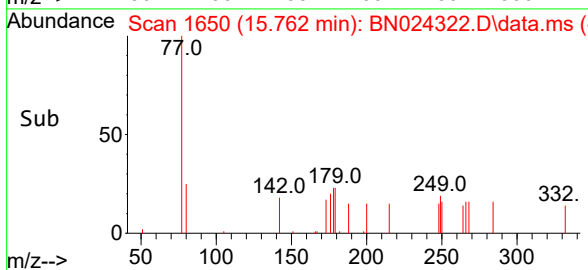
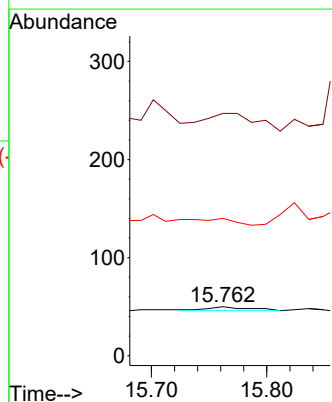
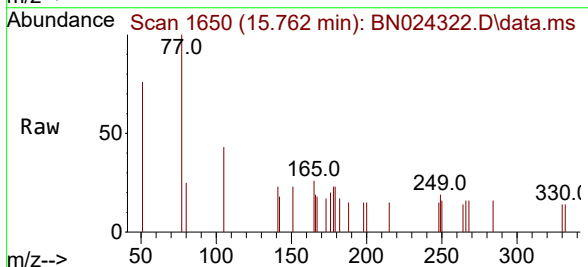
Tgt Ion:198 Resp: 10

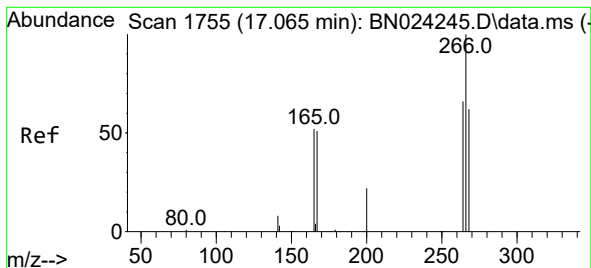
Ion Ratio Lower Upper

198 100

51 494.0 68.2 102.2#

105 280.0 51.6 77.4#





#24

Pentachlorophenol

Concen: 0.135 ng

RT: 17.065 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN024322.D

Acq: 16 Mar 2023 21:49

Instrument :

BNA\_N

ClientSampleId :

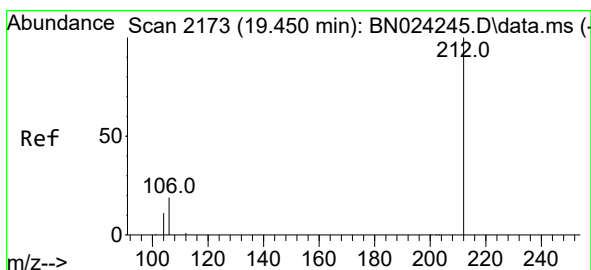
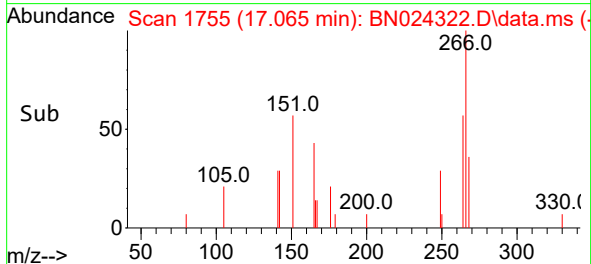
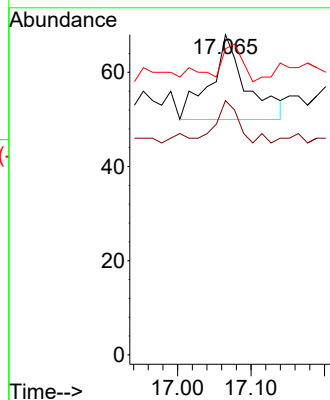
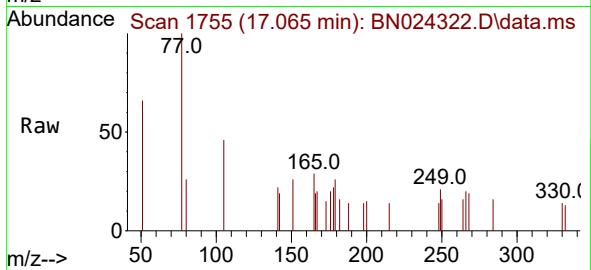
Tgt Ion:266 Resp: 61

Ion Ratio Lower Upper

266 100

264 29.5 51.1 76.7#

268 18.0 52.2 78.4#



#27

Fluoranthene-d10

Concen: 0.405 ng

RT: 19.446 min Scan# 2172

Delta R.T. 0.000 min

Lab File: BN024322.D

Acq: 16 Mar 2023 21:49

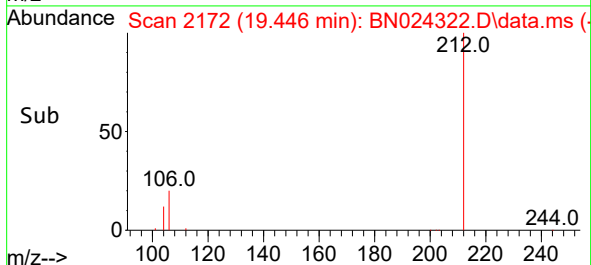
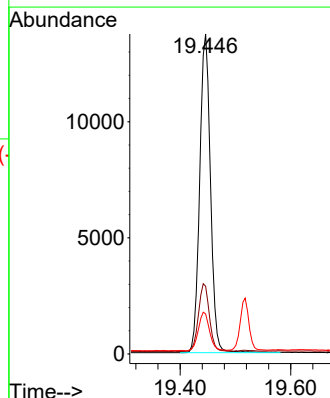
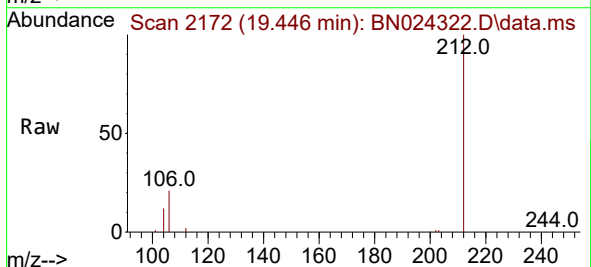
Tgt Ion:212 Resp: 18532

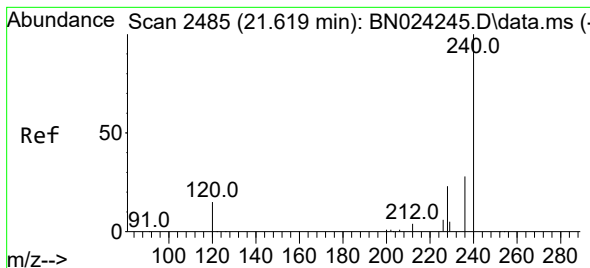
Ion Ratio Lower Upper

212 100

106 21.6 15.4 23.2

104 12.5 8.6 13.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.601 min Scan# 2485

Delta R.T. 0.000 min

Lab File: BN024322.D

Acq: 16 Mar 2023 21:49

Instrument :

BNA\_N

ClientSampleId :

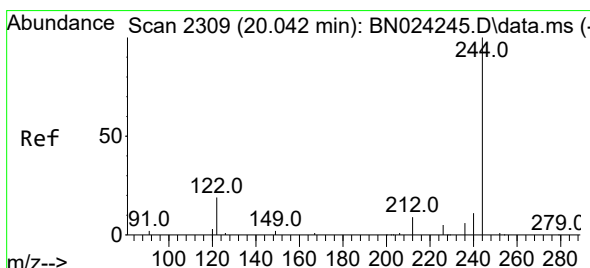
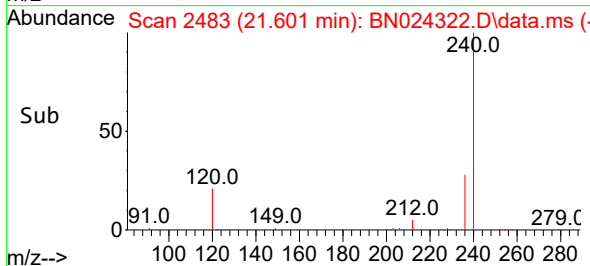
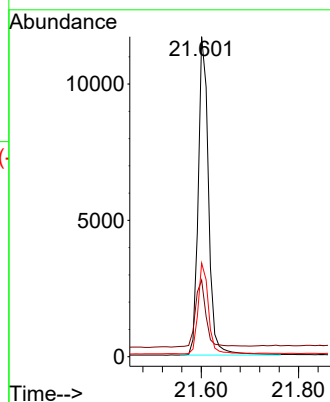
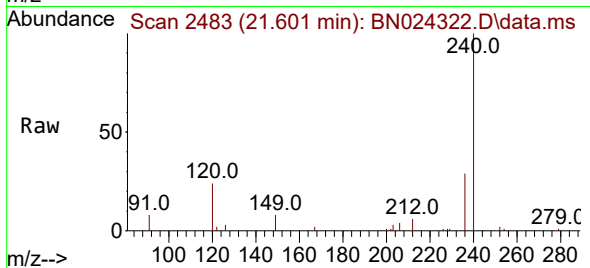
Tgt Ion:240 Resp: 17121

Ion Ratio Lower Upper

240 100

120 23.9 12.8 19.2#

236 29.2 22.5 33.7



#31

Terphenyl-d14

Concen: 0.391 ng

RT: 20.033 min Scan# 2308

Delta R.T. 0.000 min

Lab File: BN024322.D

Acq: 16 Mar 2023 21:49

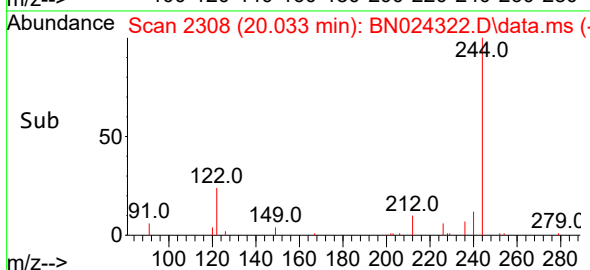
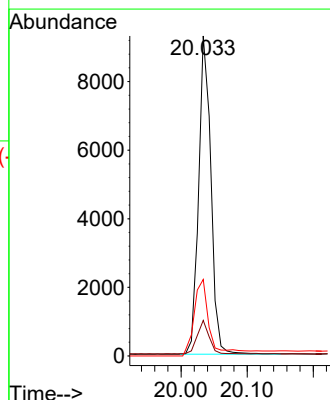
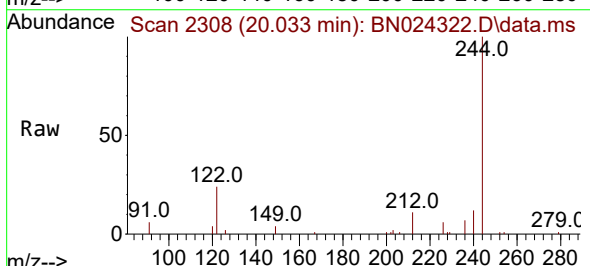
Tgt Ion:244 Resp: 11278

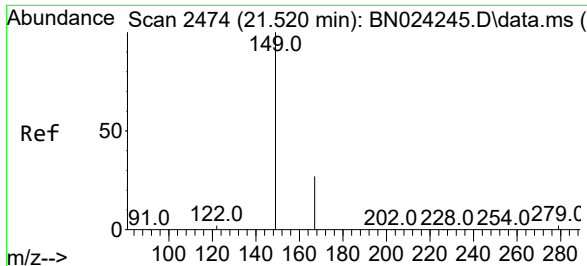
Ion Ratio Lower Upper

244 100

212 11.1 7.6 11.4

122 23.9 15.1 22.7#

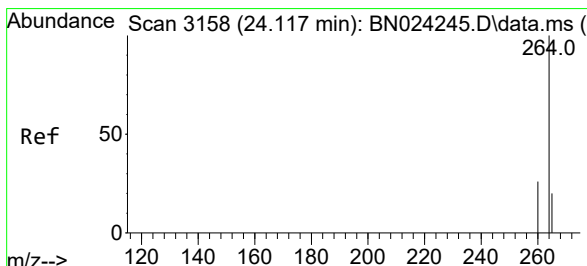
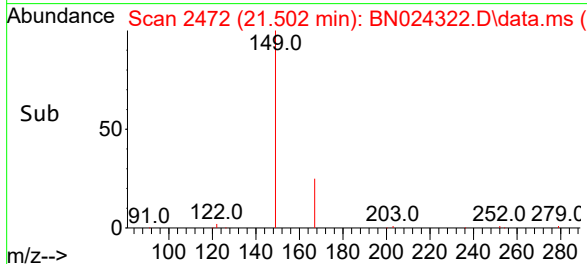
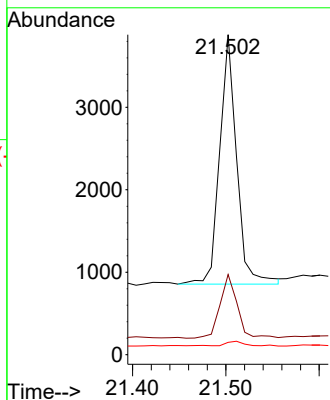
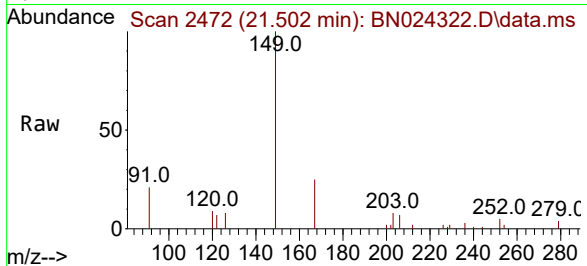




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.142 ng  
 RT: 21.502 min Scan# 2474  
 Delta R.T. 0.000 min  
 Lab File: BN024322.D  
 Acq: 16 Mar 2023 21:49

Instrument :  
 BNA\_N  
 ClientSampleId :

Tgt Ion:149 Resp: 3821  
 Ion Ratio Lower Upper  
 149 100  
 167 25.8 21.2 31.8  
 279 2.7 1.8 2.8



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.100 min Scan# 3152  
 Delta R.T. -0.015 min  
 Lab File: BN024322.D  
 Acq: 16 Mar 2023 21:49

Tgt Ion:264 Resp: 13141  
 Ion Ratio Lower Upper  
 264 100  
 260 26.9 21.4 32.2  
 265 58.1 35.7 53.5#

