

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052623\  
 Data File : BN025667.D  
 Acq On : 28 May 2023 05:32  
 Operator : CG/JU  
 Sample : 02911-13  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE114D2-20230522

Quant Time: May 29 01:13:50 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN052623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 29 00:47:45 2023  
 Response via : Initial Calibration

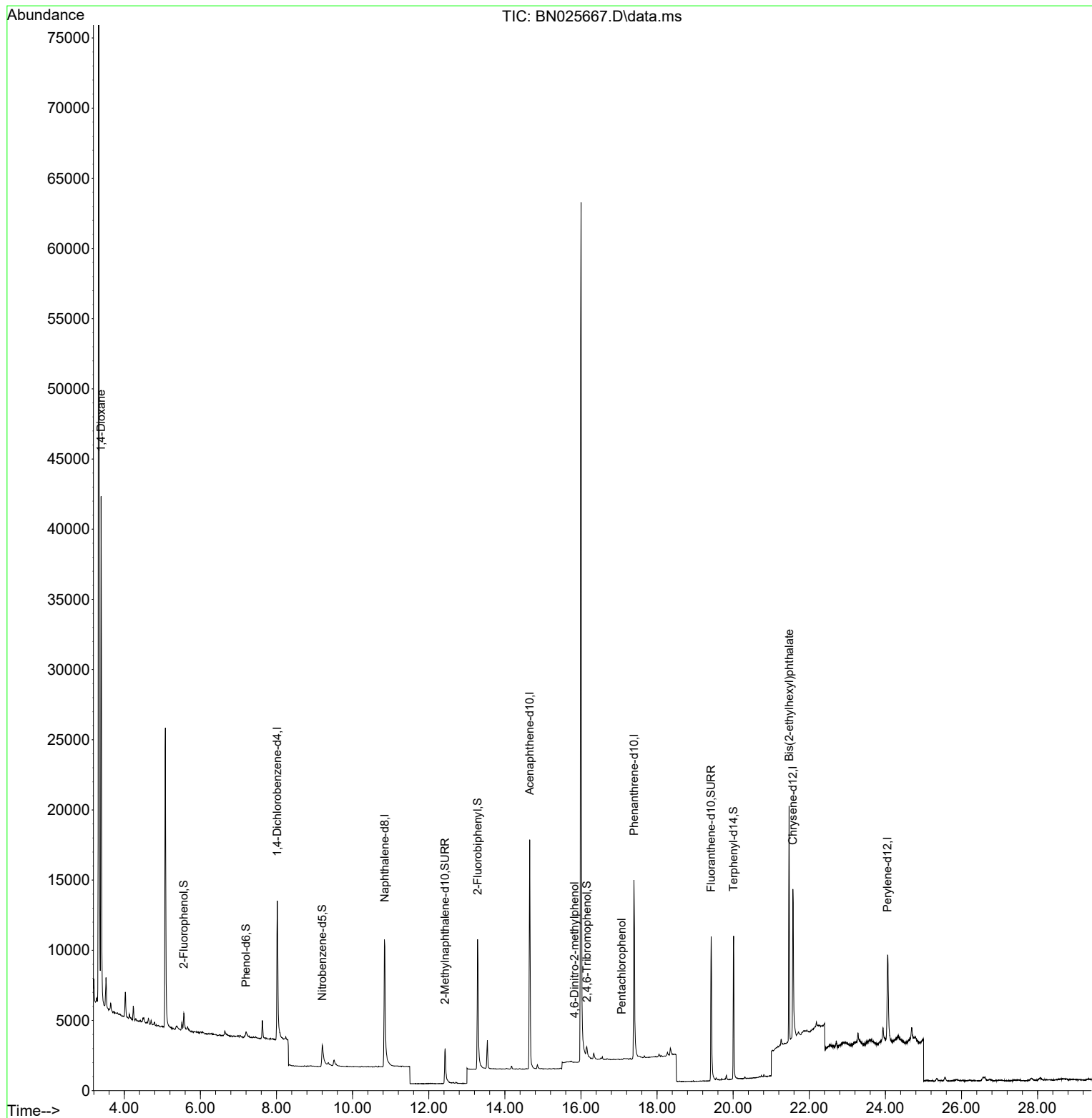
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.019  | 152  | 6126     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.846 | 136  | 16738    | 0.400 | ng    | 0.01     |
| 13) Acenaphthene-d10          | 14.651 | 164  | 9922     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.393 | 188  | 20503    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.569 | 240  | 12748    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 24.057 | 264  | 11067    | 0.400 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.564  | 112  | 1442     | 0.092 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.196  | 99   | 795      | 0.042 | ng    | 0.02     |
| 8) Nitrobenzene-d5            | 9.202  | 82   | 2624     | 0.187 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 12.426 | 152  | 5132     | 0.215 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.152 | 330  | 555      | 0.277 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.283 | 172  | 10462    | 0.255 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.421 | 212  | 13422    | 0.289 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.011 | 244  | 10368    | 0.371 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.390  | 88   | 21822    | 3.076 | ng    | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.829 | 198  | 7        | 0.116 | ng    | # 1      |
| 24) Pentachlorophenol         | 17.070 | 266  | 16       | 0.378 | ng    | # 63     |
| 34) Bis(2-ethylhexyl)phtha... | 21.471 | 149  | 14603    | 0.505 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

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

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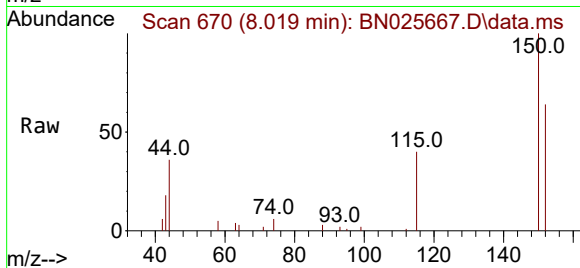
Quant Time: May 29 01:13:50 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN052623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 29 00:47:45 2023  
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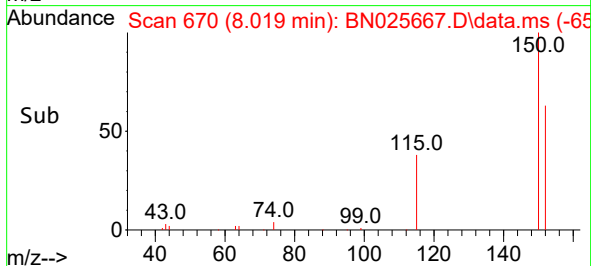
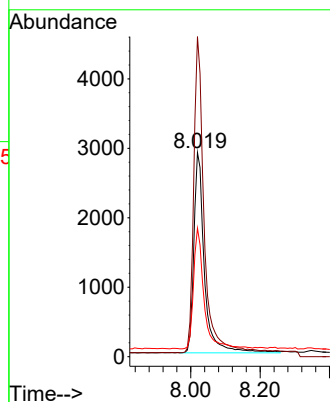


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.019 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BN025667.D  
Acq: 28 May 2023 05:32

Instrument :  
BNA\_N  
ClientSampleId :  
RE114D2-20230522

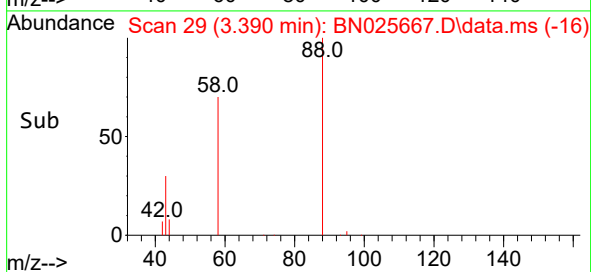
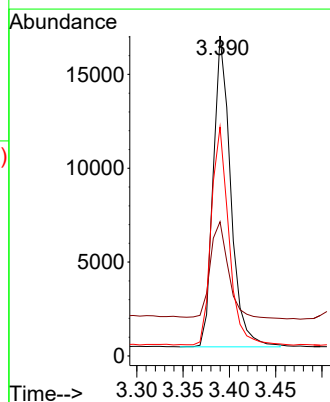
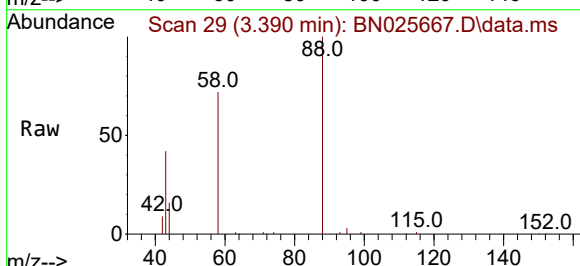


Tgt Ion:152 Resp: 6126  
Ion Ratio Lower Upper  
152 100  
150 156.8 121.0 181.6  
115 62.9 48.5 72.7



#2  
1,4-Dioxane  
Concen: 3.076 ng  
RT: 3.390 min Scan# 29  
Delta R.T. -0.007 min  
Lab File: BN025667.D  
Acq: 28 May 2023 05:32

Tgt Ion: 88 Resp: 21822  
Ion Ratio Lower Upper  
88 100  
43 31.9 26.5 39.7  
58 69.9 56.8 85.2

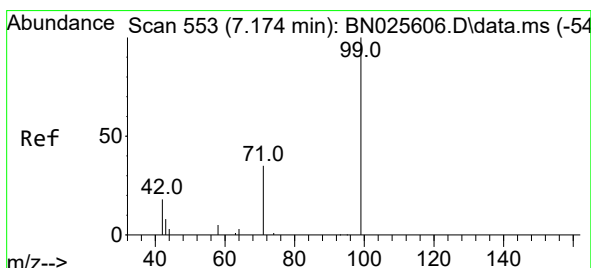
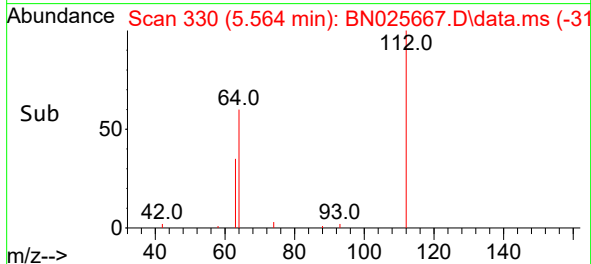
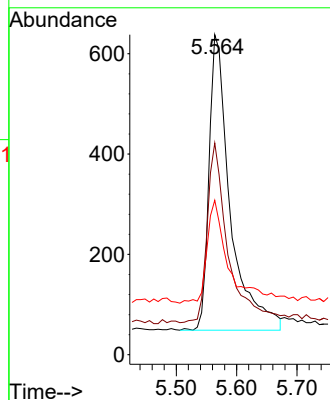
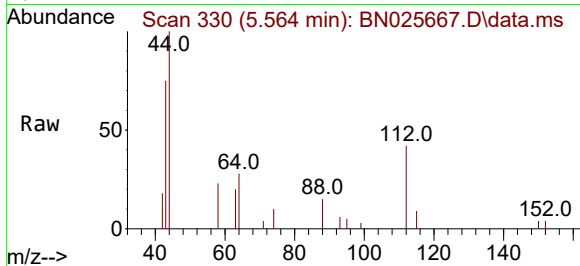




#4  
2-Fluorophenol  
Concen: 0.092 ng  
RT: 5.564 min Scan# 311  
Delta R.T. 0.007 min  
Lab File: BN025667.D  
Acq: 28 May 2023 05:32

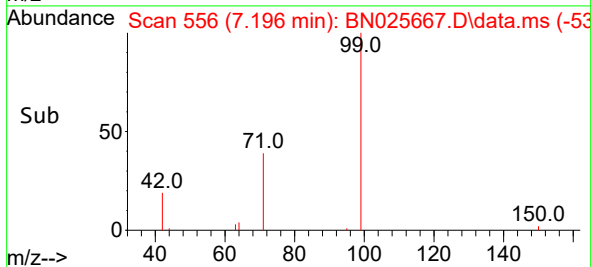
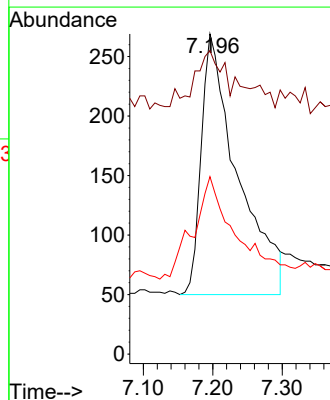
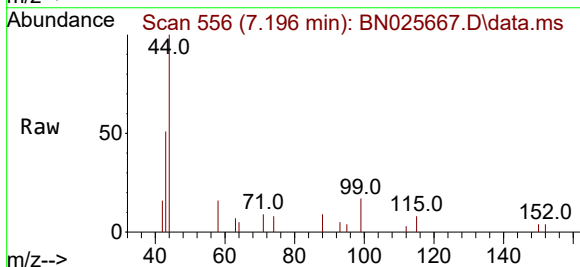
Instrument :  
BNA\_N  
ClientSampleId :  
RE114D2-20230522

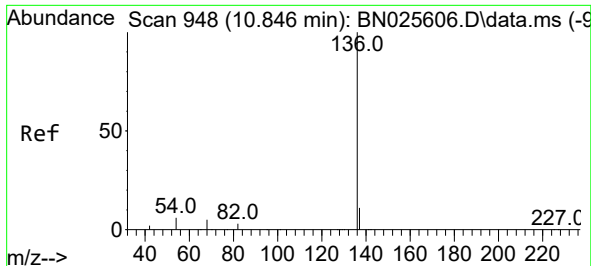
Tgt Ion:112 Resp: 1442  
Ion Ratio Lower Upper  
112 100  
64 59.7 45.7 68.5  
63 35.4 26.2 39.2



#5  
Phenol-d6  
Concen: 0.042 ng  
RT: 7.196 min Scan# 556  
Delta R.T. 0.022 min  
Lab File: BN025667.D  
Acq: 28 May 2023 05:32

Tgt Ion: 99 Resp: 795  
Ion Ratio Lower Upper  
99 100  
42 23.1 17.1 25.7  
71 45.2 29.3 43.9#

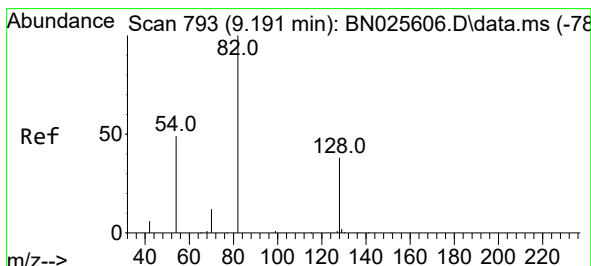
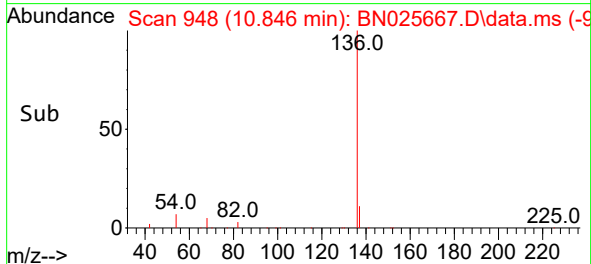
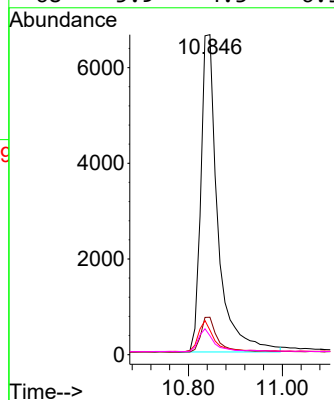
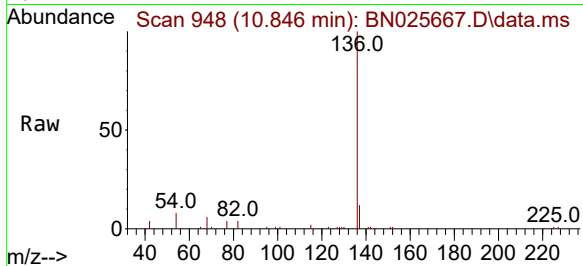




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.846 min Scan# 948  
Delta R.T. 0.011 min  
Lab File: BN025667.D  
Acq: 28 May 2023 05:32

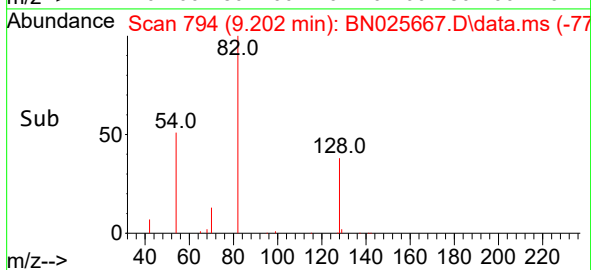
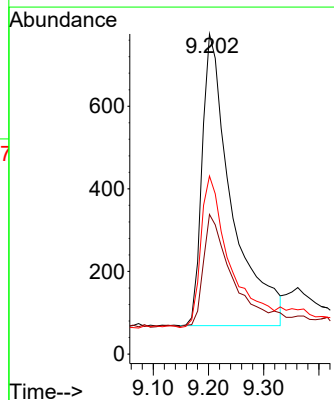
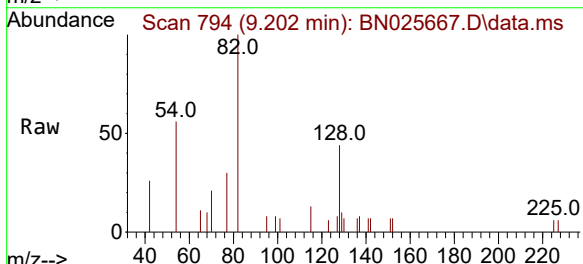
Instrument :  
BNA\_N  
ClientSampleId :  
RE114D2-20230522

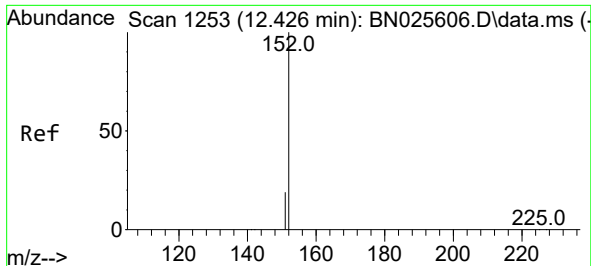
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 16738 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.7  | 9.1   | 13.7  |
| 54        | 7.7   | 5.4   | 8.0   |
| 68        | 5.9   | 4.3   | 6.5   |



#8  
Nitrobenzene-d5  
Concen: 0.187 ng  
RT: 9.202 min Scan# 794  
Delta R.T. 0.011 min  
Lab File: BN025667.D  
Acq: 28 May 2023 05:32

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 2624 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 43.6  | 32.5  | 48.7 |
| 54        | 55.6  | 40.6  | 60.8 |

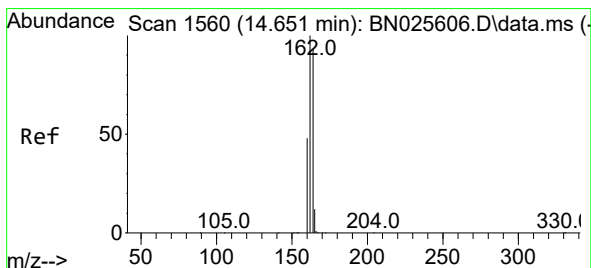
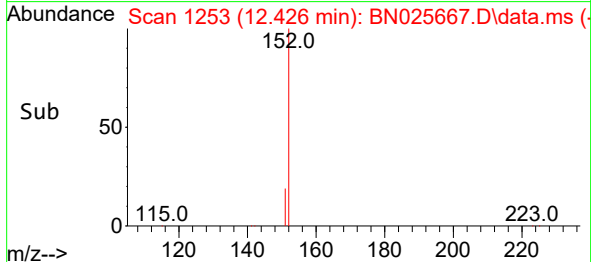
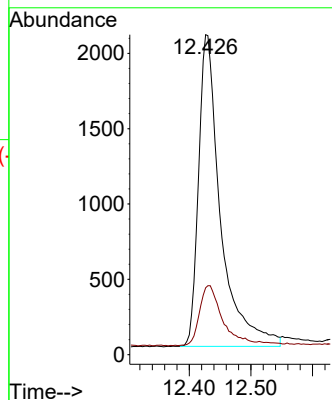
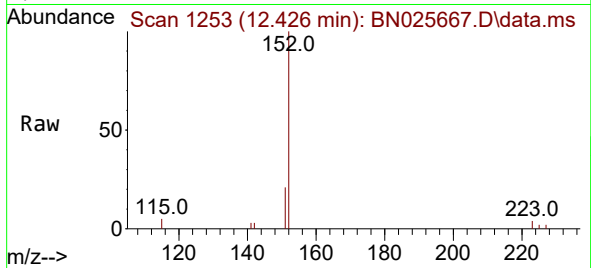




#11  
2-Methylnaphthalene-d10  
Concen: 0.215 ng  
RT: 12.426 min Scan# 1253  
Delta R.T. 0.004 min  
Lab File: BN025667.D  
Acq: 28 May 2023 05:32

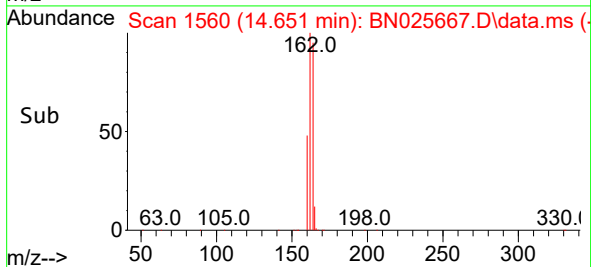
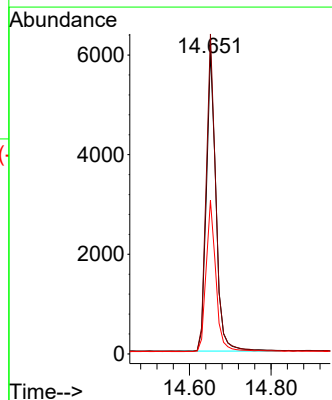
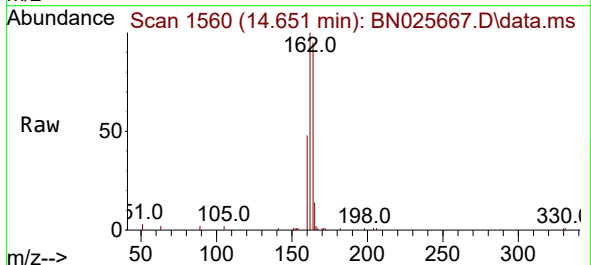
Instrument :  
BNA\_N  
ClientSampleId :  
RE114D2-20230522

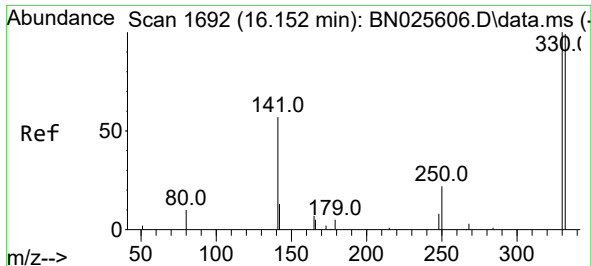
Tgt Ion:152 Resp: 5132  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.1 24.1



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.651 min Scan# 1560  
Delta R.T. -0.000 min  
Lab File: BN025667.D  
Acq: 28 May 2023 05:32

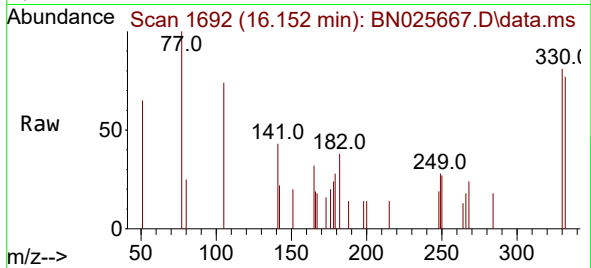
Tgt Ion:164 Resp: 9922  
Ion Ratio Lower Upper  
164 100  
162 105.7 86.4 129.6  
160 50.7 41.9 62.9



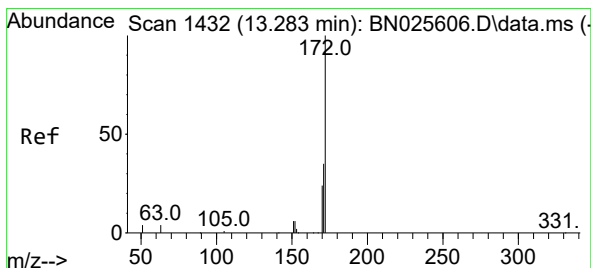
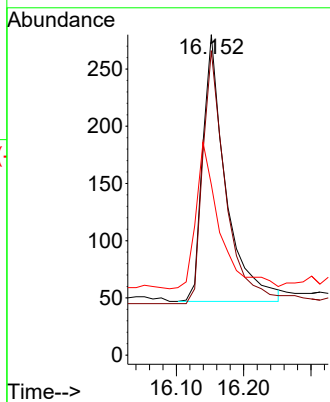
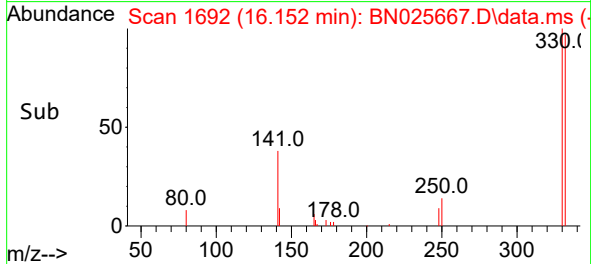


#14  
2,4,6-Tribromophenol  
Concen: 0.277 ng  
RT: 16.152 min Scan# 1692  
Delta R.T. -0.000 min  
Lab File: BN025667.D  
Acq: 28 May 2023 05:32

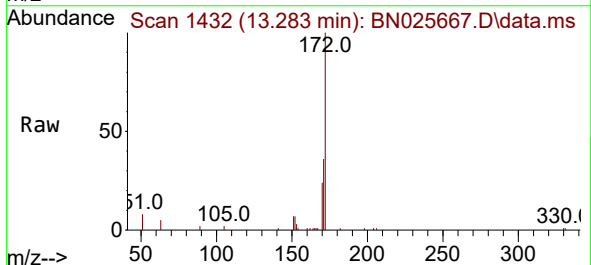
Instrument :  
BNA\_N  
ClientSampleId :  
RE114D2-20230522



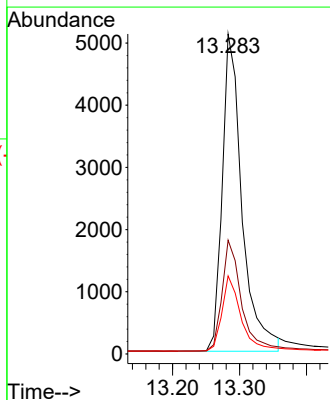
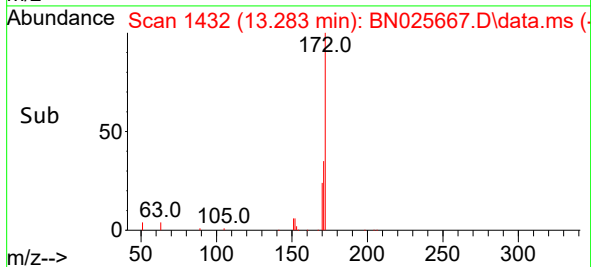
Tgt Ion:330 Resp: 555  
Ion Ratio Lower Upper  
330 100  
332 94.4 80.0 120.0  
141 56.0 45.8 68.6

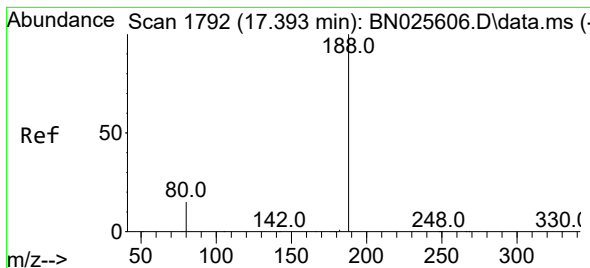


#15  
2-Fluorobiphenyl  
Concen: 0.255 ng  
RT: 13.283 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BN025667.D  
Acq: 28 May 2023 05:32



Tgt Ion:172 Resp: 10462  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.6 42.8  
170 24.4 19.7 29.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.393 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN025667.D

Acq: 28 May 2023 05:32

Instrument :

BNA\_N

ClientSampleId :

RE114D2-20230522

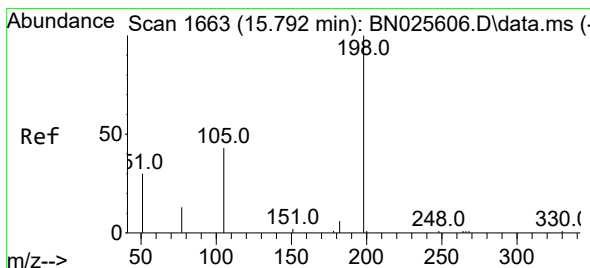
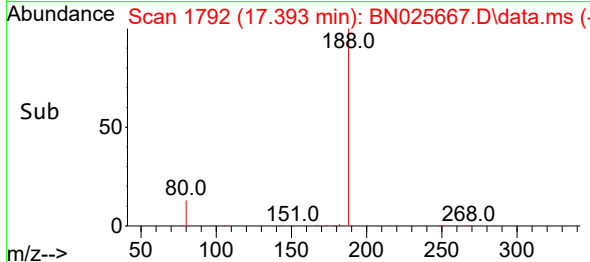
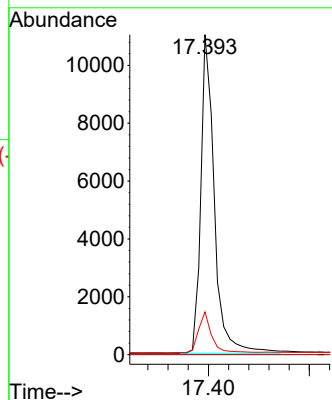
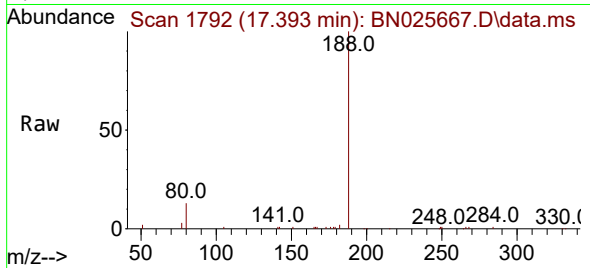
Tgt Ion:188 Resp: 20503

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.4 12.2 18.2



#20

4,6-Dinitro-2-methylphenol

Concen: 0.116 ng

RT: 15.829 min Scan# 1666

Delta R.T. 0.037 min

Lab File: BN025667.D

Acq: 28 May 2023 05:32

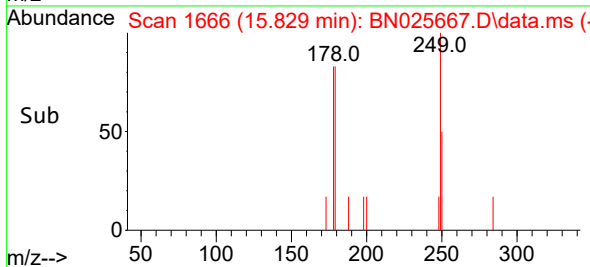
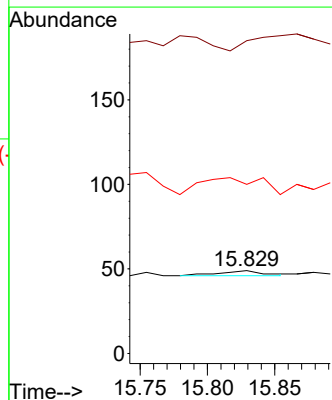
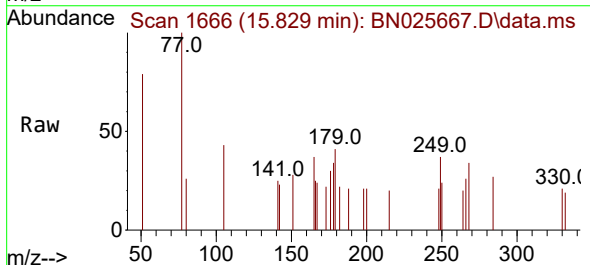
Tgt Ion:198 Resp: 7

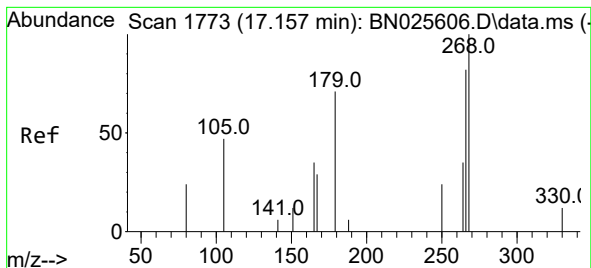
Ion Ratio Lower Upper

198 100

51 377.6 110.8 166.2#

105 204.1 61.9 92.9#





#24

Pentachlorophenol

Concen: 0.378 ng

RT: 17.070 min Scan# 1773

Delta R.T. -0.000 min

Lab File: BN025667.D

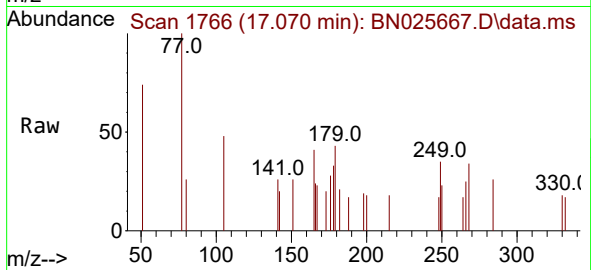
Acq: 28 May 2023 05:32

Instrument :

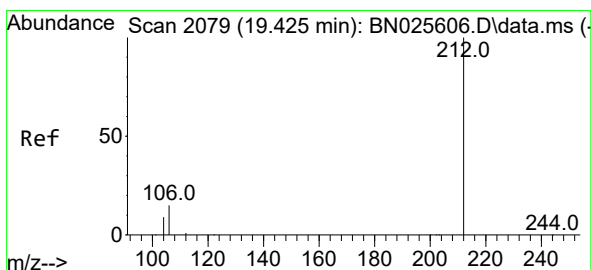
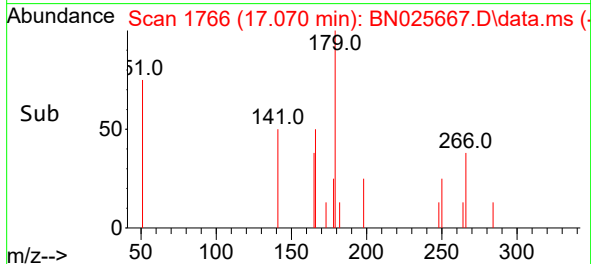
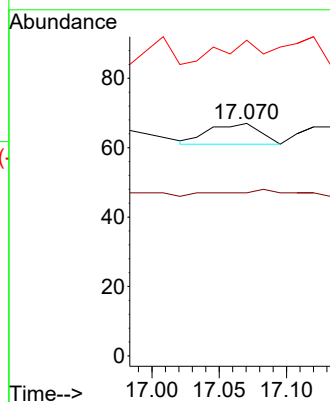
BNA\_N

ClientSampleId :

RE114D2-20230522



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 16    |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 264       | 43.8  | 60.0  | 90.0# |
| 268       | 62.5  | 0.0   | 0.0#  |



#27

Fluoranthene-d10

Concen: 0.289 ng

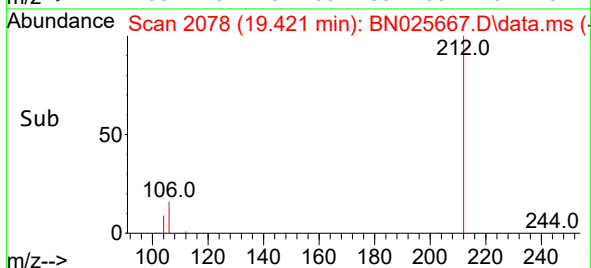
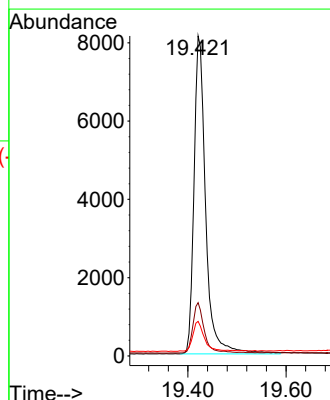
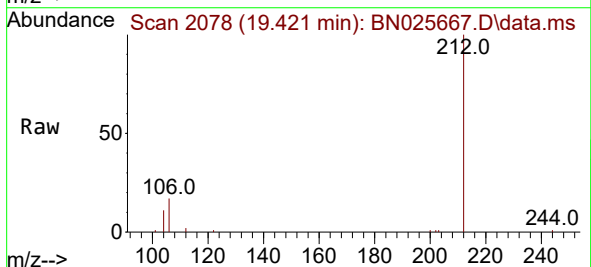
RT: 19.421 min Scan# 2078

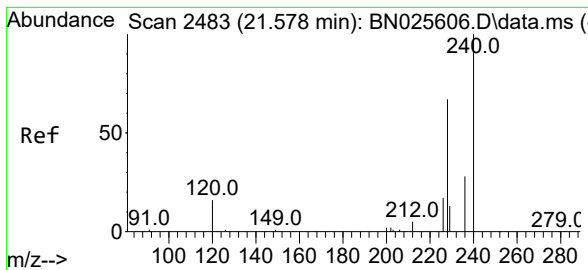
Delta R.T. -0.000 min

Lab File: BN025667.D

Acq: 28 May 2023 05:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 13422 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 15.2  | 12.3  | 18.5  |
| 104       | 9.4   | 7.2   | 10.8  |





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.569 min Scan# 2482

Delta R.T. -0.009 min

Lab File: BN025667.D

Acq: 28 May 2023 05:32

Instrument :

BNA\_N

ClientSampleId :

RE114D2-20230522

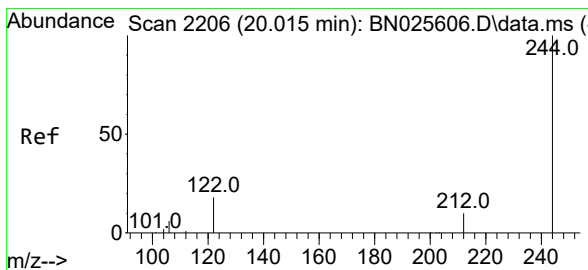
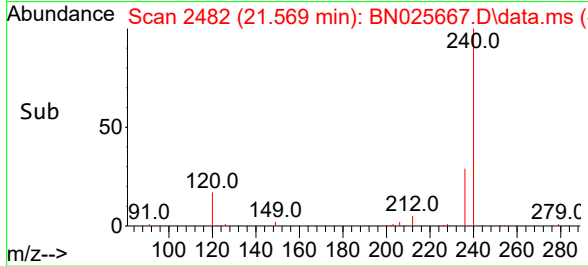
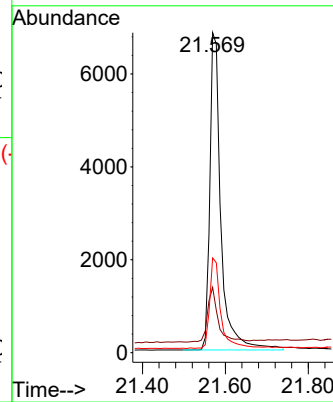
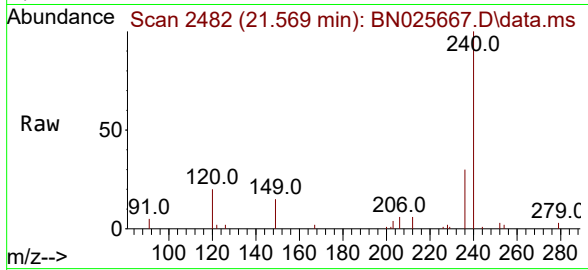
Tgt Ion:240 Resp: 12748

Ion Ratio Lower Upper

240 100

120 20.4 15.4 23.0

236 29.6 23.2 34.8



#31

Terphenyl-d14

Concen: 0.371 ng

RT: 20.011 min Scan# 2205

Delta R.T. -0.005 min

Lab File: BN025667.D

Acq: 28 May 2023 05:32

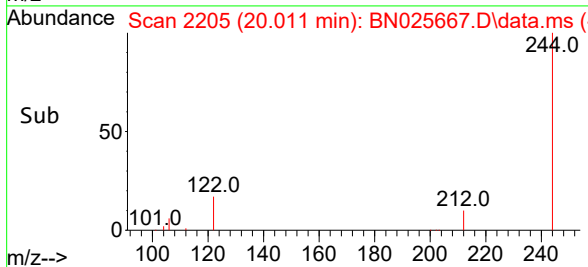
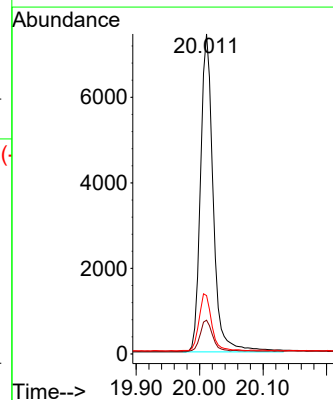
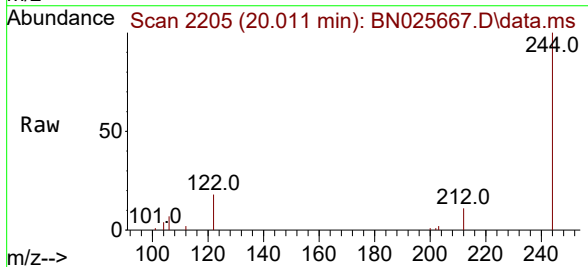
Tgt Ion:244 Resp: 10368

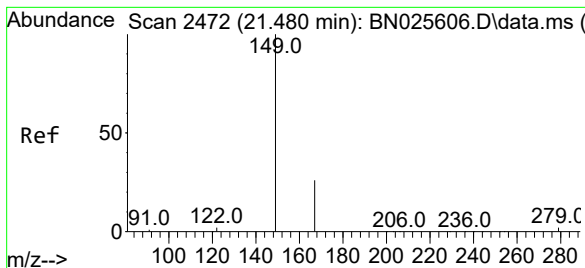
Ion Ratio Lower Upper

244 100

212 10.5 8.5 12.7

122 18.2 14.9 22.3

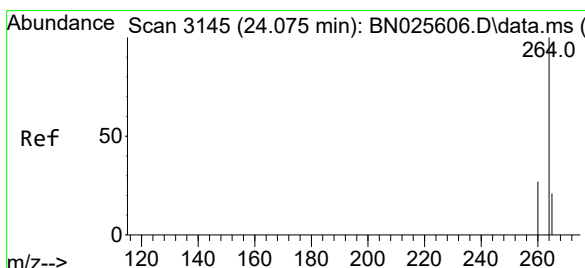
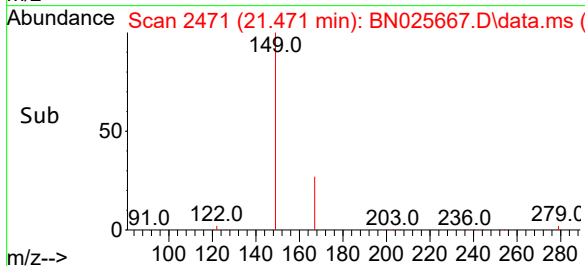
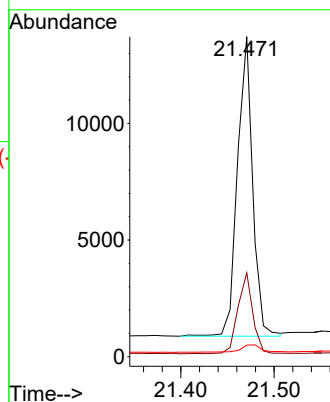
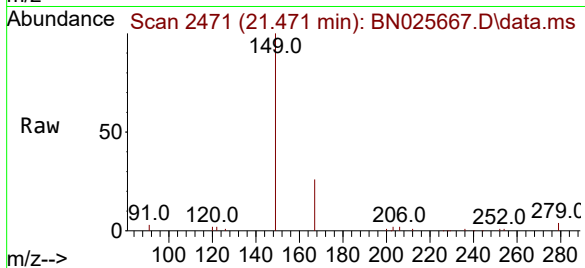




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.505 ng  
RT: 21.471 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: BN025667.D  
Acq: 28 May 2023 05:32

Instrument :  
BNA\_N  
ClientSampleId :  
RE114D2-20230522

Tgt Ion:149 Resp: 14603  
Ion Ratio Lower Upper  
149 100  
167 26.2 20.4 30.6  
279 3.5 3.3 4.9



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.057 min Scan# 3139  
Delta R.T. -0.012 min  
Lab File: BN025667.D  
Acq: 28 May 2023 05:32

Tgt Ion:264 Resp: 11067  
Ion Ratio Lower Upper  
264 100  
260 26.4 22.3 33.5  
265 59.6 54.3 81.5

