

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052623\  
 Data File : BN025695.D  
 Acq On : 28 May 2023 23:24  
 Operator : CG/JU  
 Sample : 02943-01  
 Misc :  
 ALS Vial : 93 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE108D1-20230523

Quant Time: May 29 01:42:16 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

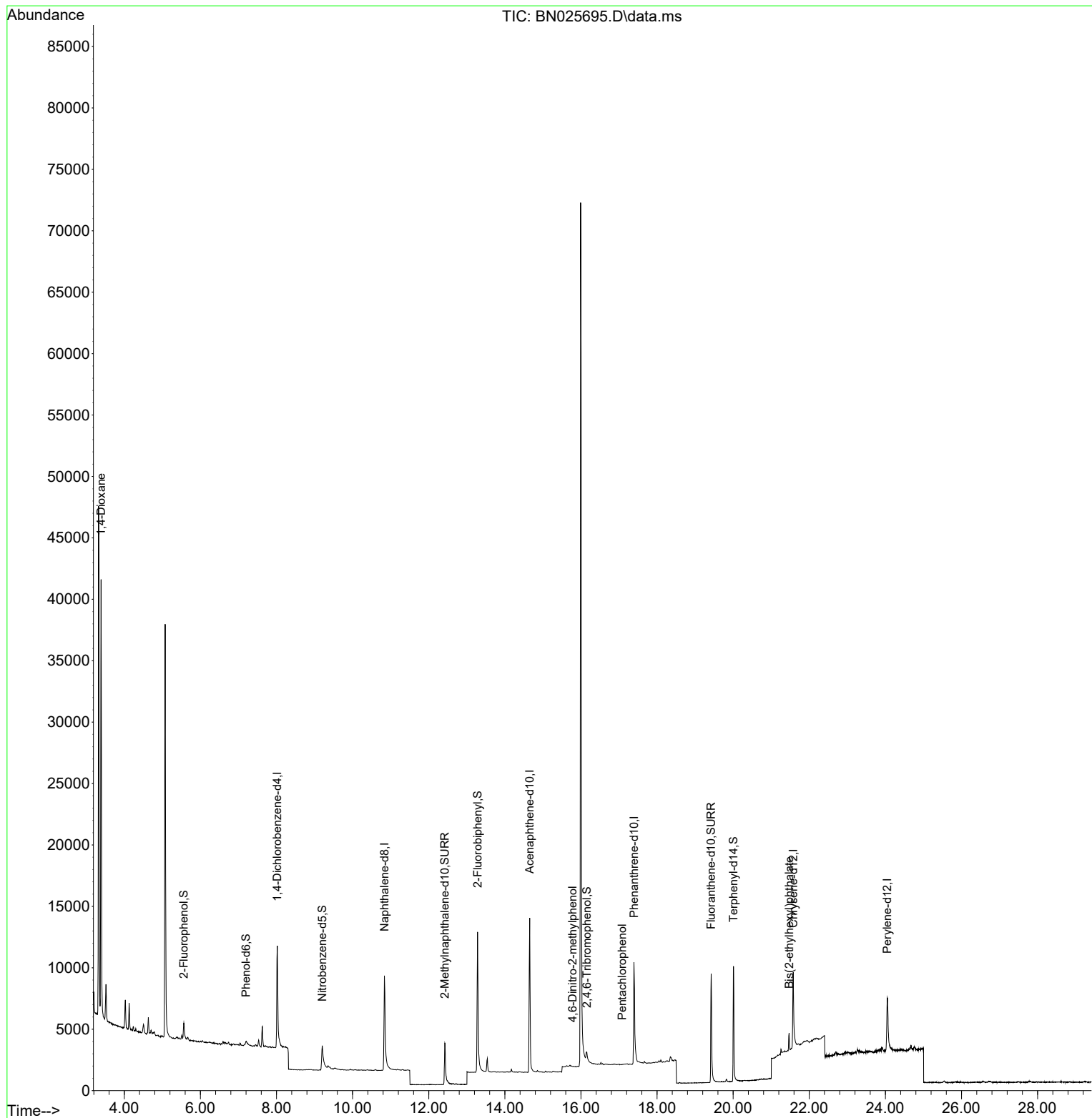
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|-------|-------|-----------|
| -----                         |        |      |          |       |       |           |
| Internal Standards            |        |      |          |       |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 8.019  | 152  | 5204     | 0.400 | ng    | 0.00      |
| 7) Naphthalene-d8             | 10.835 | 136  | 14074    | 0.400 | ng    | # 0.00    |
| 13) Acenaphthene-d10          | 14.651 | 164  | 7958     | 0.400 | ng    | 0.00      |
| 19) Phenanthrene-d10          | 17.393 | 188  | 14808    | 0.400 | ng    | 0.00      |
| 29) Chrysene-d12              | 21.578 | 240  | 7849     | 0.400 | ng    | 0.00      |
| 35) Perylene-d12              | 24.051 | 264  | 7936     | 0.400 | ng    | -0.02     |
| System Monitoring Compounds   |        |      |          |       |       |           |
| 4) 2-Fluorophenol             | 5.564  | 112  | 1626     | 0.122 | ng    | 0.00      |
| 5) Phenol-d6                  | 7.196  | 99   | 853      | 0.053 | ng    | 0.02      |
| 8) Nitrobenzene-d5            | 9.202  | 82   | 3415     | 0.290 | ng    | 0.01      |
| 11) 2-Methylnaphthalene-d10   | 12.423 | 152  | 6849     | 0.341 | ng    | 0.00      |
| 14) 2,4,6-Tribromophenol      | 16.152 | 330  | 600      | 0.373 | ng    | 0.00      |
| 15) 2-Fluorobiphenyl          | 13.283 | 172  | 12407    | 0.378 | ng    | 0.00      |
| 27) Fluoranthene-d10          | 19.421 | 212  | 12070    | 0.360 | ng    | 0.00      |
| 31) Terphenyl-d14             | 20.011 | 244  | 10334    | 0.601 | ng    | 0.00      |
| Target Compounds              |        |      |          |       |       |           |
| 2) 1,4-Dioxane                | 3.390  | 88   | 21639    | 3.591 | ng    | Qvalue 99 |
| 20) 4,6-Dinitro-2-methylph... | 15.780 | 198  | 10       | 0.118 | ng    | # 1       |
| 24) Pentachlorophenol         | 17.083 | 266  | 11       | 0.377 | ng    | # 87      |
| 34) Bis(2-ethylhexyl)phtha... | 21.471 | 149  | 1623     | 0.091 | ng    | # 95      |
| -----                         |        |      |          |       |       |           |

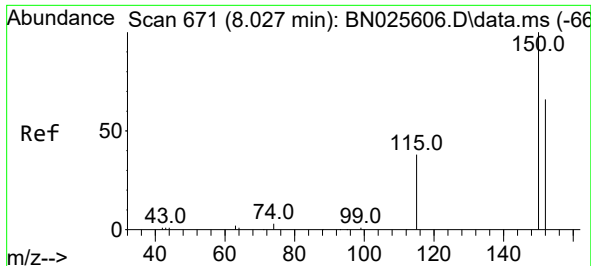
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052623\  
Data File : BN025695.D  
Acq On : 28 May 2023 23:24  
Operator : CG/JU  
Sample : 02943-01  
Misc :  
ALS Vial : 93 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE108D1-20230523

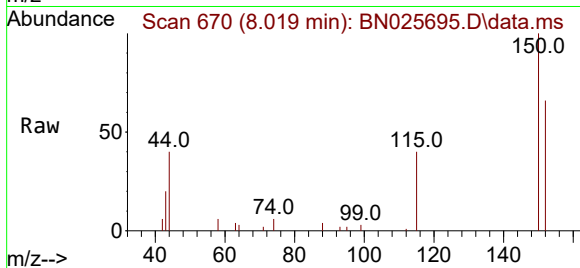
Quant Time: May 29 01:42:16 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN052623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 29 00:47:45 2023  
Response via : Initial Calibration



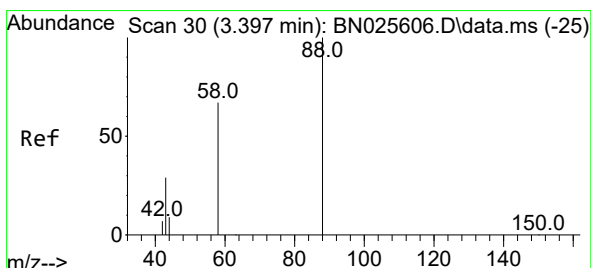
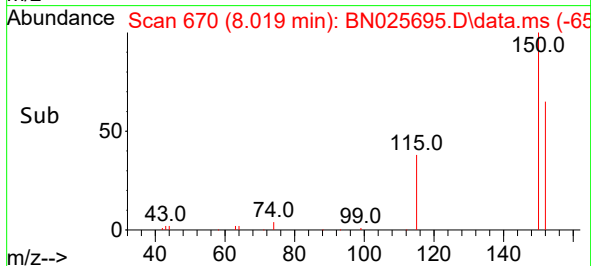
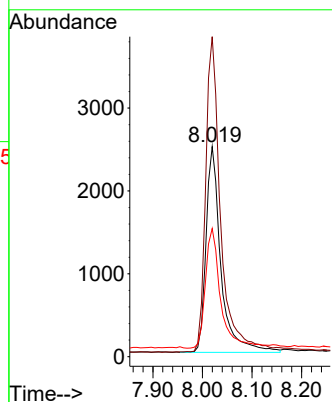


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.019 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BN025695.D  
Acq: 28 May 2023 23:24

Instrument :  
BNA\_N  
ClientSampleId :  
RE108D1-20230523

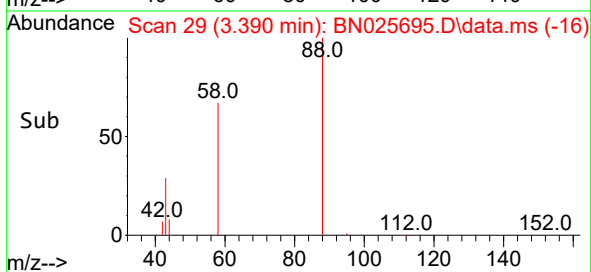
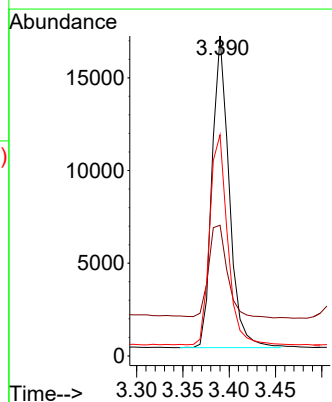
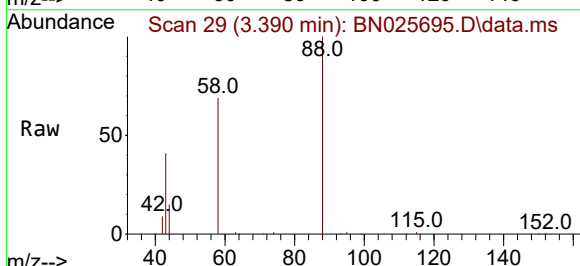


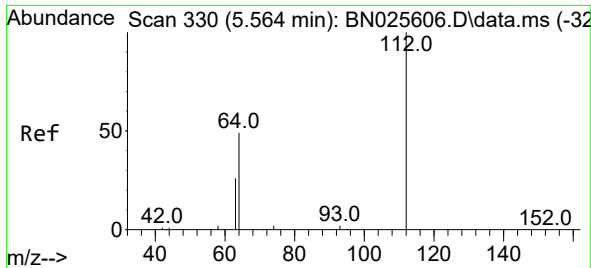
Tgt Ion:152 Resp: 5204  
Ion Ratio Lower Upper  
152 100  
150 152.3 121.0 181.6  
115 61.0 48.5 72.7



#2  
1,4-Dioxane  
Concen: 3.591 ng  
RT: 3.390 min Scan# 29  
Delta R.T. -0.007 min  
Lab File: BN025695.D  
Acq: 28 May 2023 23:24

Tgt Ion: 88 Resp: 21639  
Ion Ratio Lower Upper  
88 100  
43 32.4 26.5 39.7  
58 70.1 56.8 85.2

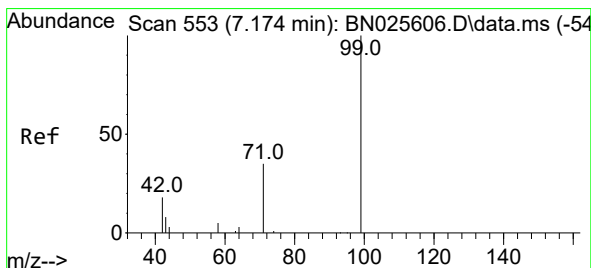
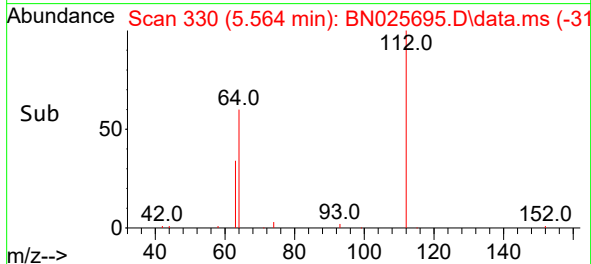
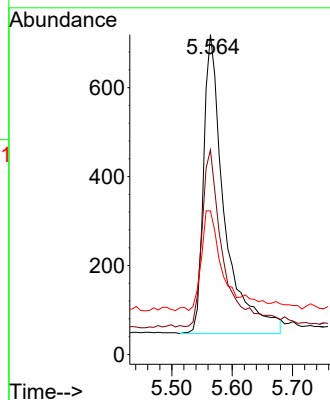
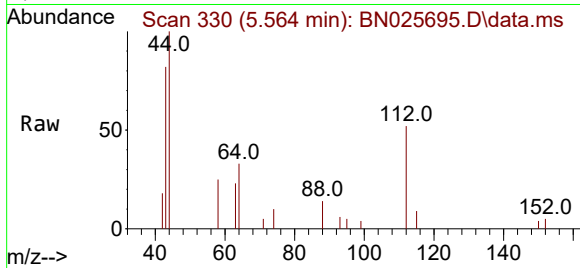




#4  
2-Fluorophenol  
Concen: 0.122 ng  
RT: 5.564 min Scan# 311  
Delta R.T. 0.007 min  
Lab File: BN025695.D  
Acq: 28 May 2023 23:24

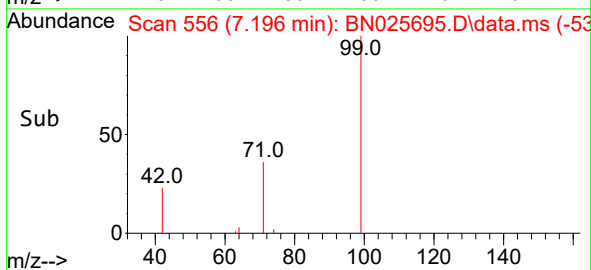
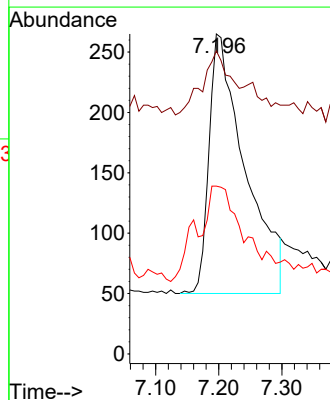
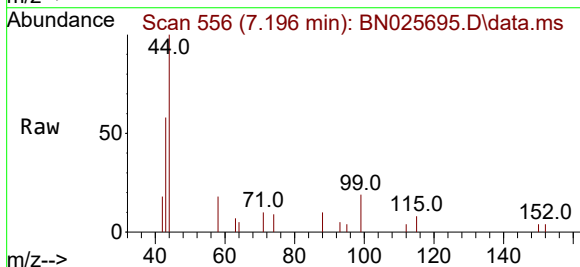
Instrument :  
BNA\_N  
ClientSampleId :  
RE108D1-20230523

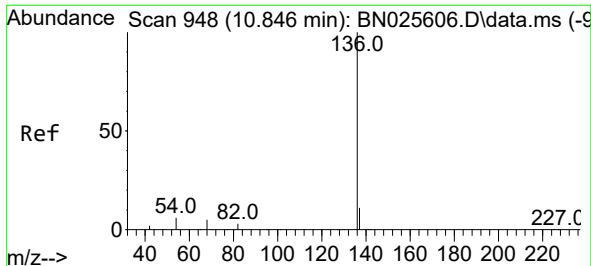
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 112   | Resp: | 1626 |
| Ion Ratio | Lower | Upper |      |
| 112       | 100   |       |      |
| 64        | 59.5  | 45.7  | 68.5 |
| 63        | 35.6  | 26.2  | 39.2 |



#5  
Phenol-d6  
Concen: 0.053 ng  
RT: 7.196 min Scan# 556  
Delta R.T. 0.022 min  
Lab File: BN025695.D  
Acq: 28 May 2023 23:24

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 99    | Resp: | 853  |
| Ion Ratio | Lower | Upper |      |
| 99        | 100   |       |      |
| 42        | 19.1  | 17.1  | 25.7 |
| 71        | 27.9  | 29.3  | 43.9 |

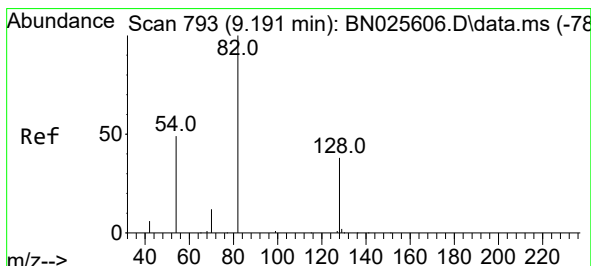
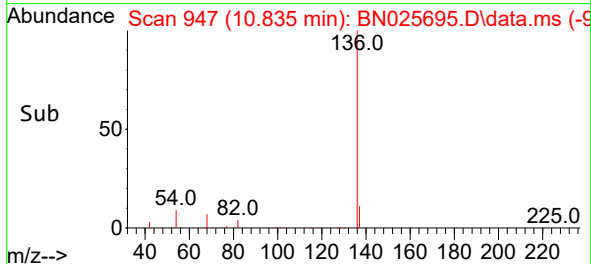
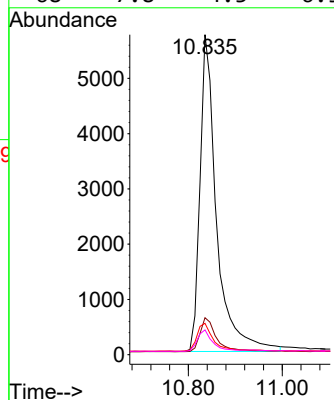
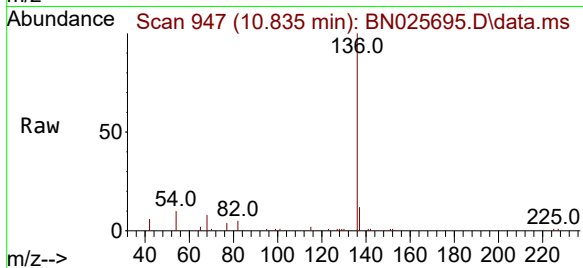




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.835 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: BN025695.D  
Acq: 28 May 2023 23:24

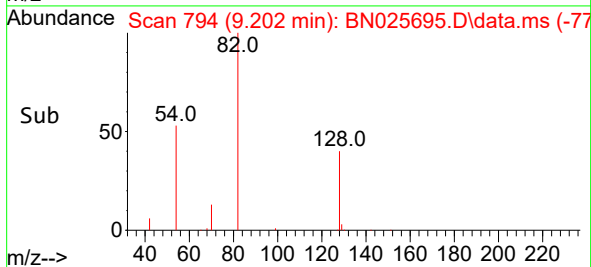
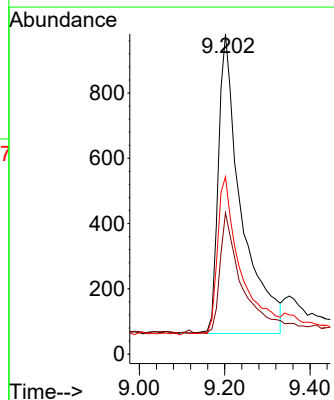
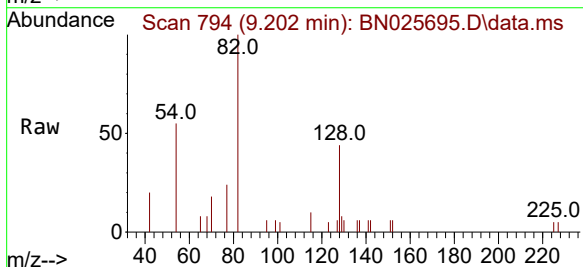
Instrument :  
BNA\_N  
ClientSampleId :  
RE108D1-20230523

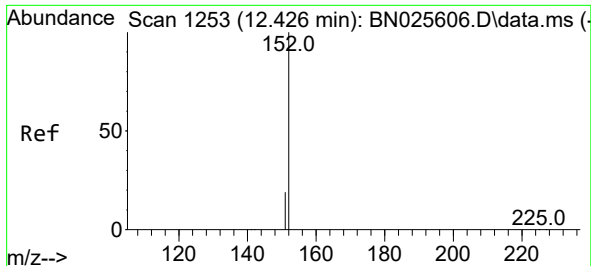
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 14074 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.5  | 9.1   | 13.7  |
| 54        | 9.8   | 5.4   | 8.0#  |
| 68        | 7.8   | 4.3   | 6.5#  |



#8  
Nitrobenzene-d5  
Concen: 0.290 ng  
RT: 9.202 min Scan# 794  
Delta R.T. 0.011 min  
Lab File: BN025695.D  
Acq: 28 May 2023 23:24

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 3415 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 44.1  | 32.5  | 48.7 |
| 54        | 55.4  | 40.6  | 60.8 |





#11

2-Methylnaphthalene-d10

Concen: 0.341 ng

RT: 12.423 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN025695.D

Acq: 28 May 2023 23:24

Instrument :

BNA\_N

ClientSampleId :

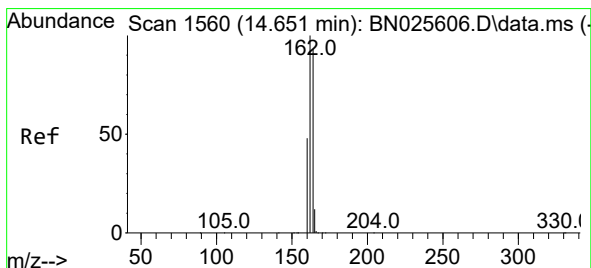
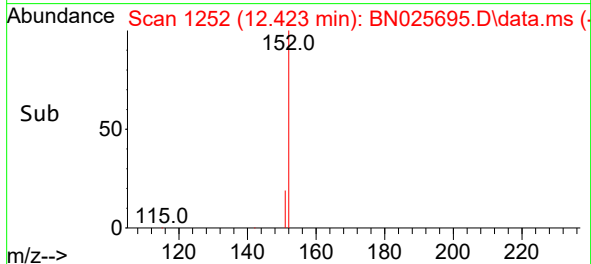
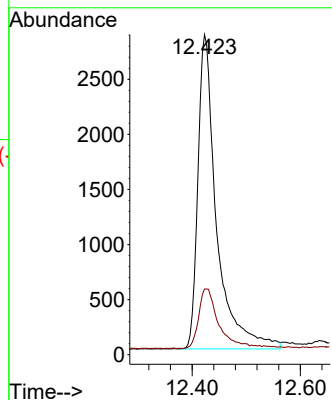
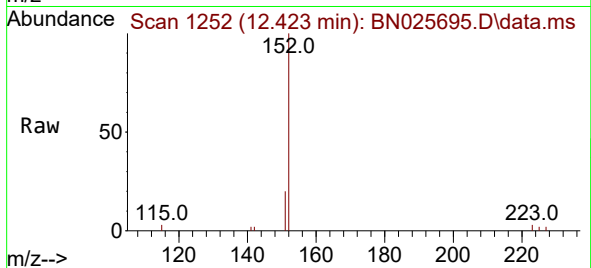
RE108D1-20230523

Tgt Ion:152 Resp: 6849

Ion Ratio Lower Upper

152 100

151 20.4 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: BN025695.D

Acq: 28 May 2023 23:24

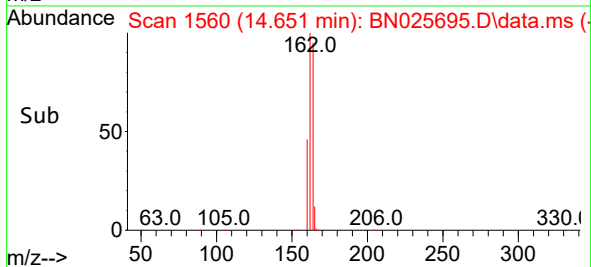
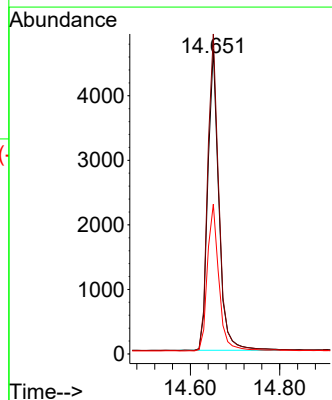
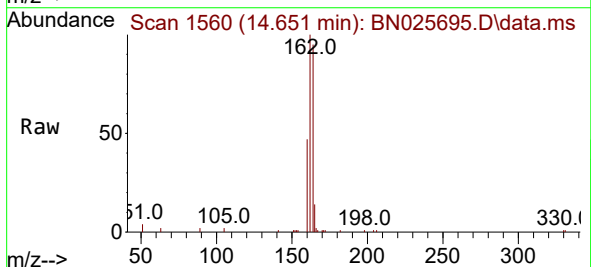
Tgt Ion:164 Resp: 7958

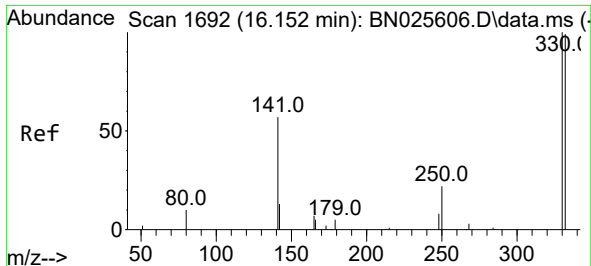
Ion Ratio Lower Upper

164 100

162 104.9 86.4 129.6

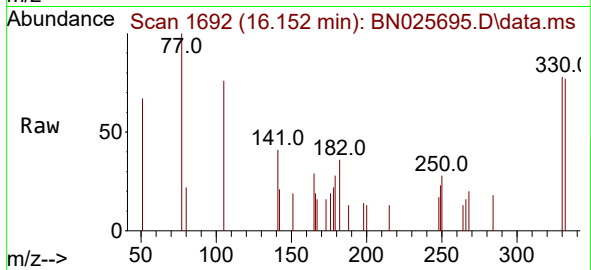
160 49.1 41.9 62.9



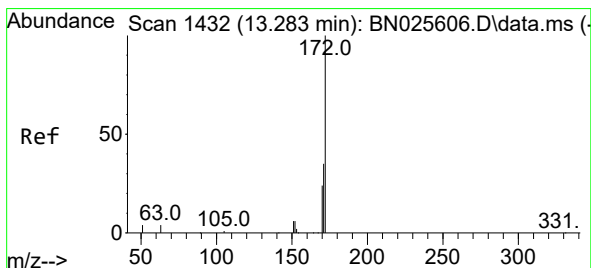
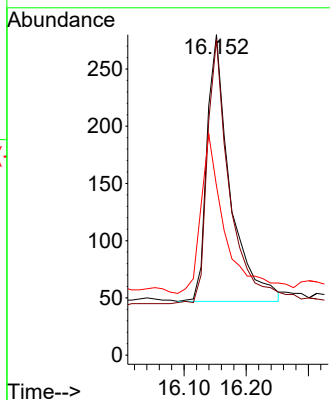
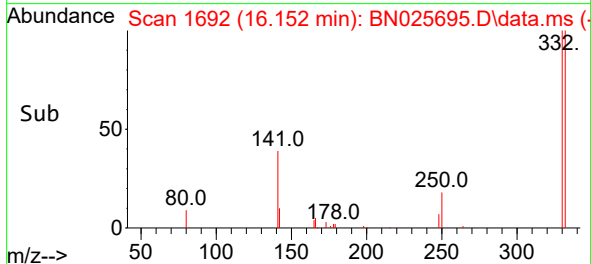


#14  
2,4,6-Tribromophenol  
Concen: 0.373 ng  
RT: 16.152 min Scan# 1692  
Delta R.T. 0.000 min  
Lab File: BN025695.D  
Acq: 28 May 2023 23:24

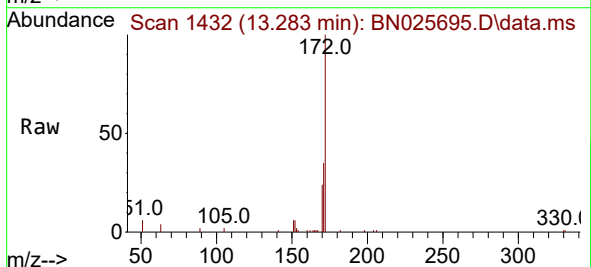
Instrument :  
BNA\_N  
ClientSampleId :  
RE108D1-20230523



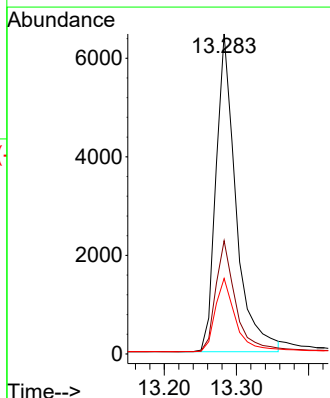
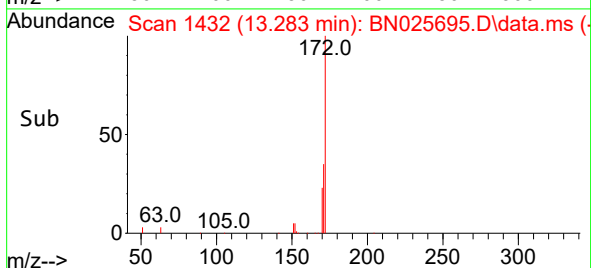
Tgt Ion:330 Resp: 600  
Ion Ratio Lower Upper  
330 100  
332 96.2 80.0 120.0  
141 60.5 45.8 68.6

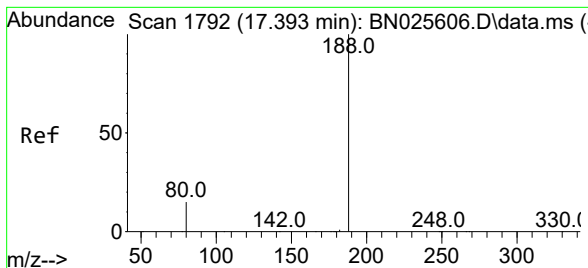


#15  
2-Fluorobiphenyl  
Concen: 0.378 ng  
RT: 13.283 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: BN025695.D  
Acq: 28 May 2023 23:24



Tgt Ion:172 Resp: 12407  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.6 42.8  
170 23.6 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: BN025695.D

Acq: 28 May 2023 23:24

Instrument :

BNA\_N

ClientSampleId :

RE108D1-20230523

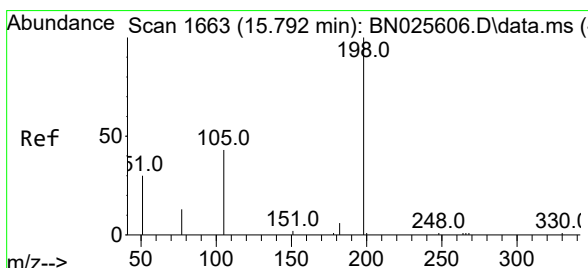
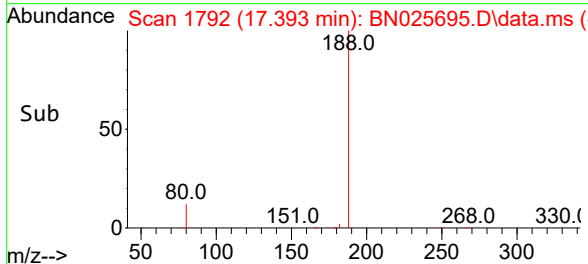
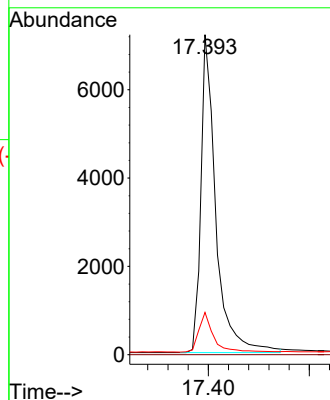
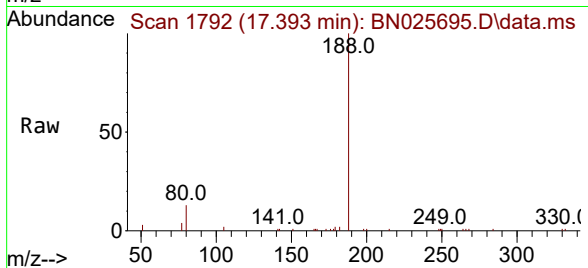
Tgt Ion:188 Resp: 14808

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.2 12.2 18.2



#20

4,6-Dinitro-2-methylphenol

Concen: 0.118 ng

RT: 15.780 min Scan# 1662

Delta R.T. -0.012 min

Lab File: BN025695.D

Acq: 28 May 2023 23:24

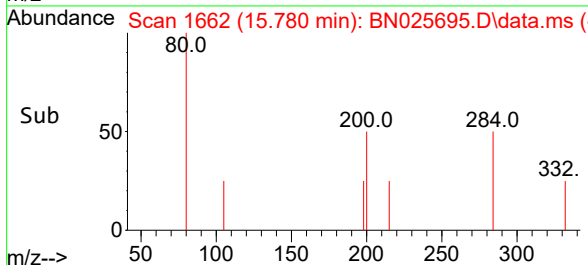
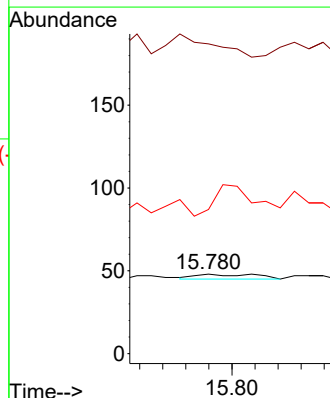
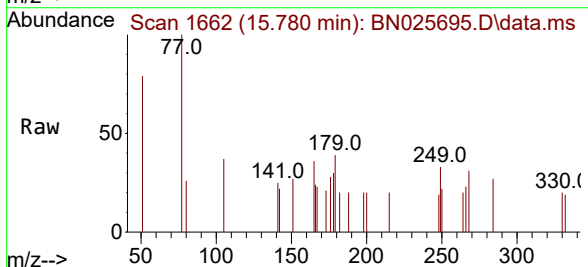
Tgt Ion:198 Resp: 10

Ion Ratio Lower Upper

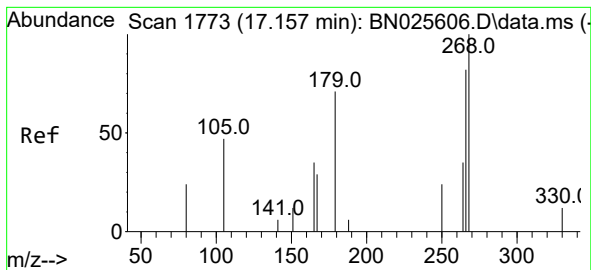
198 100

51 389.6 110.8 166.2#

105 181.3 61.9 92.9#







#24

Pentachlorophenol

Concen: 0.377 ng

RT: 17.083 min Scan# 11

Delta R.T. 0.012 min

Lab File: BN025695.D

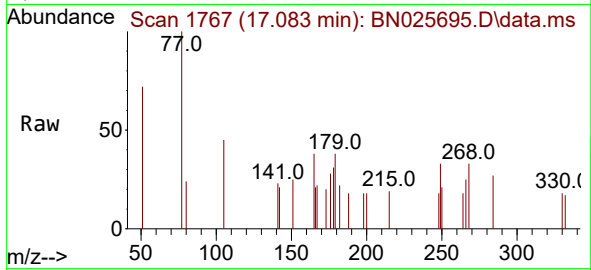
Acq: 28 May 2023 23:24

Instrument :

BNA\_N

ClientSampleId :

RE108D1-20230523



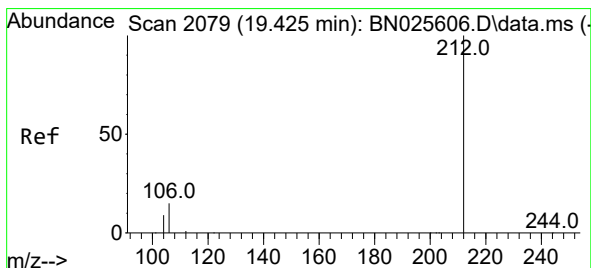
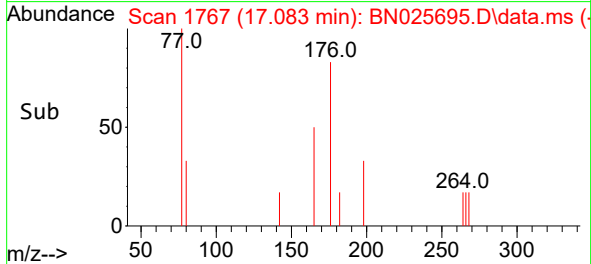
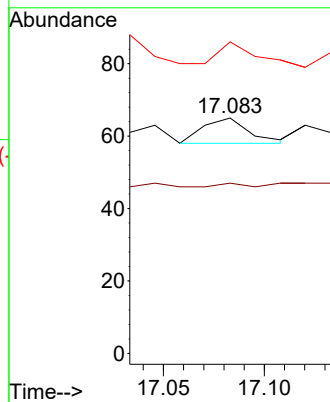
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

264 63.6 60.0 90.0

268 81.8 0.0 0.0#



#27

Fluoranthene-d10

Concen: 0.360 ng

RT: 19.421 min Scan# 2078

Delta R.T. 0.000 min

Lab File: BN025695.D

Acq: 28 May 2023 23:24

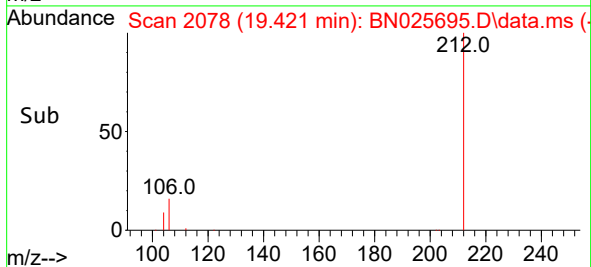
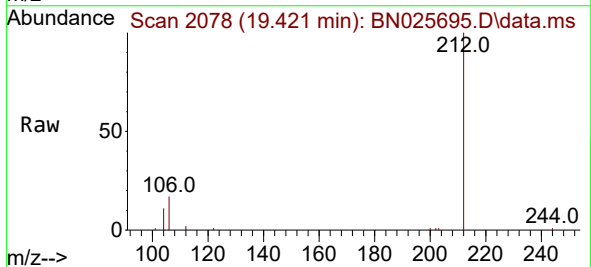
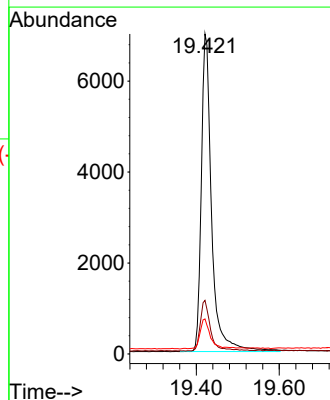
Tgt Ion:212 Resp: 12070

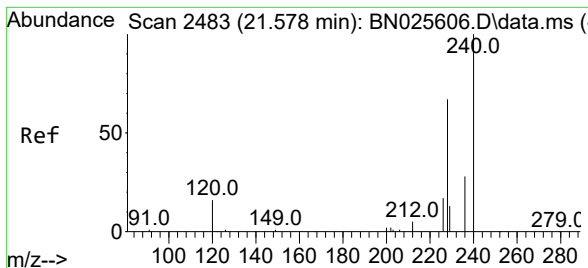
Ion Ratio Lower Upper

212 100

106 16.0 12.3 18.5

104 9.3 7.2 10.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.578 min Scan# 2483

Delta R.T. 0.000 min

Lab File: BN025695.D

Acq: 28 May 2023 23:24

Instrument :

BNA\_N

ClientSampleId :

RE108D1-20230523

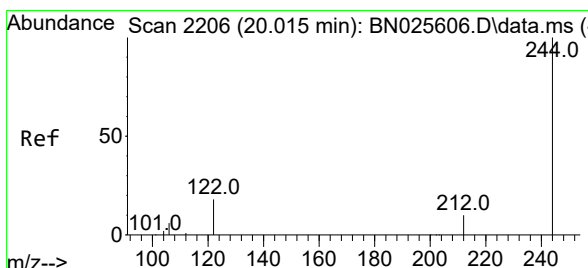
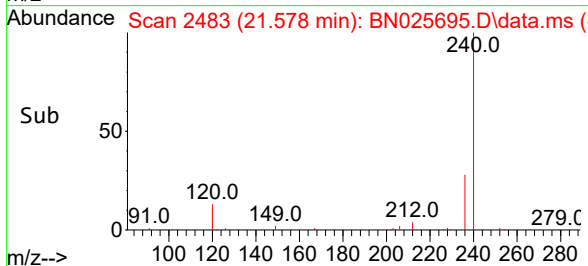
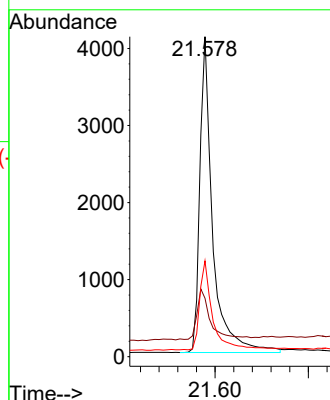
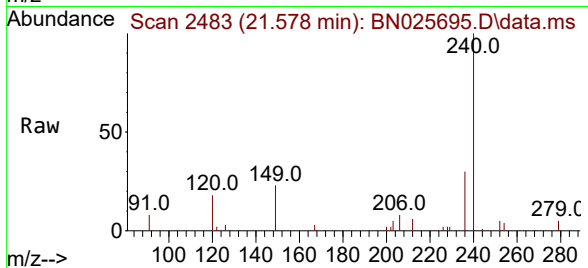
Tgt Ion:240 Resp: 7849

Ion Ratio Lower Upper

240 100

120 18.2 15.4 23.0

236 29.9 23.2 34.8



#31

Terphenyl-d14

Concen: 0.601 ng

RT: 20.011 min Scan# 2205

Delta R.T. -0.005 min

Lab File: BN025695.D

Acq: 28 May 2023 23:24

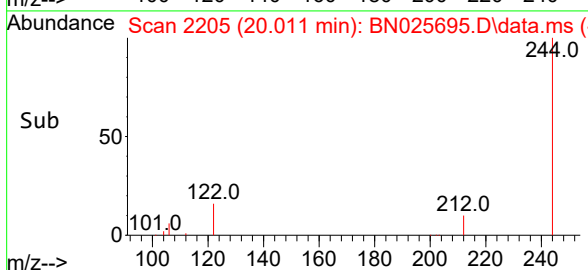
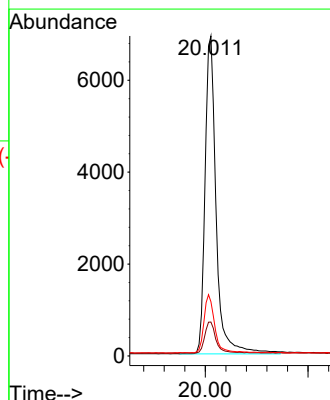
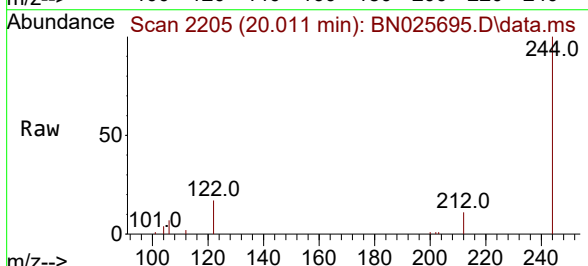
Tgt Ion:244 Resp: 10334

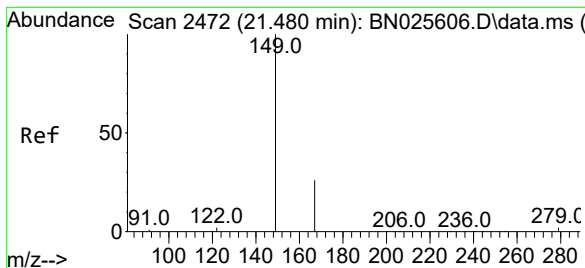
Ion Ratio Lower Upper

244 100

212 10.6 8.5 12.7

122 17.0 14.9 22.3

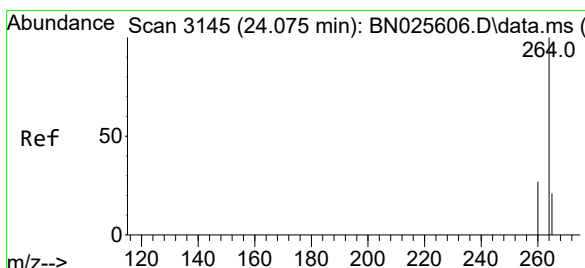
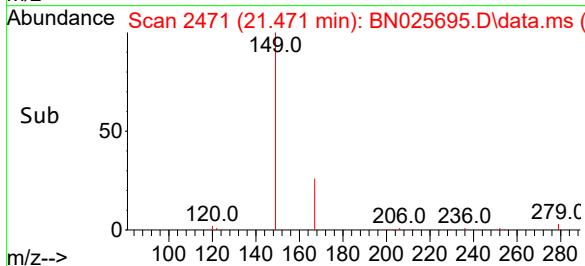
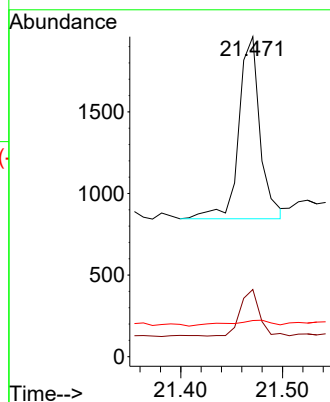
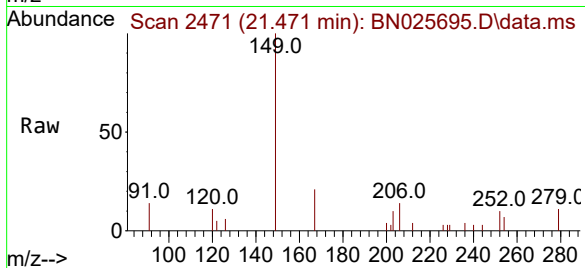




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.091 ng  
RT: 21.471 min Scan# 2471  
Delta R.T. 0.000 min  
Lab File: BN025695.D  
Acq: 28 May 2023 23:24

Instrument :  
BNA\_N  
ClientSampleId :  
RE108D1-20230523

Tgt Ion:149 Resp: 1623  
Ion Ratio Lower Upper  
149 100  
167 23.0 20.4 30.6  
279 6.5 3.3 4.9#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.051 min Scan# 3137  
Delta R.T. -0.018 min  
Lab File: BN025695.D  
Acq: 28 May 2023 23:24

Tgt Ion:264 Resp: 7936  
Ion Ratio Lower Upper  
264 100  
260 27.4 22.3 33.5  
265 72.4 54.3 81.5

