

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081723\  
 Data File : BN026941.D  
 Acq On : 17 Aug 2023 14:22  
 Operator : MA/JU  
 Sample : 04024-05DL 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE115D2-20230815DL

Quant Time: Aug 18 03:12:07 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 16 15:56:02 2023  
 Response via : Initial Calibration

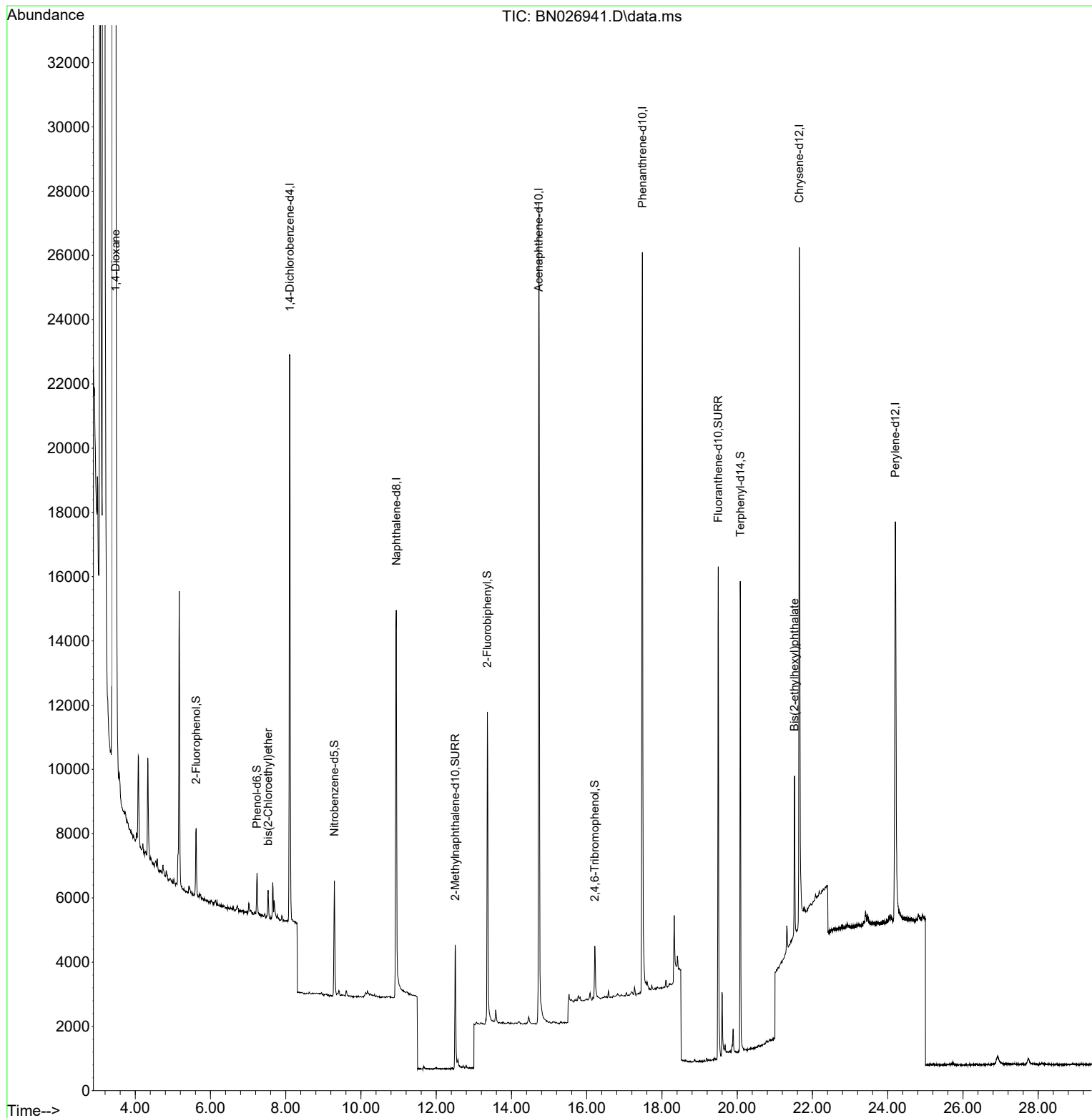
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.109  | 152  | 9241     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.938 | 136  | 20140    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.726 | 164  | 16313    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.480 | 188  | 36799    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.650 | 240  | 23631    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.203 | 264  | 21788    | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.618  | 112  | 1893     | 0.073 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.235  | 99   | 1362     | 0.042 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.294  | 82   | 3016     | 0.177 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.506 | 152  | 5932     | 0.185 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.214 | 330  | 1119     | 0.129 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.357 | 172  | 9656     | 0.159 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.495 | 212  | 16925    | 0.179 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.080 | 244  | 15055    | 0.305 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.480  | 88   | 32359    | 3.256 | ng    | 96       |
| 6) bis(2-Chloroethyl)ether    | 7.531  | 93   | 695      | 0.026 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.524 | 149  | 5110     | 0.083 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

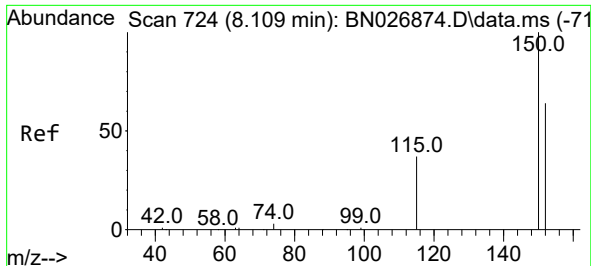
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081723\  
Data File : BN026941.D  
Acq On : 17 Aug 2023 14:22  
Operator : MA/JU  
Sample : 04024-05DL 2X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20230815DL

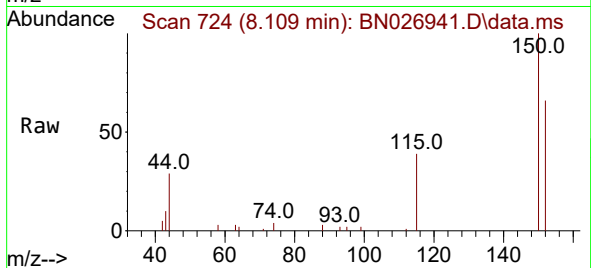
Quant Time: Aug 18 03:12:07 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 16 15:56:02 2023  
Response via : Initial Calibration



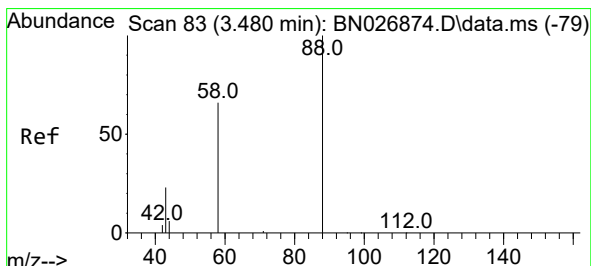
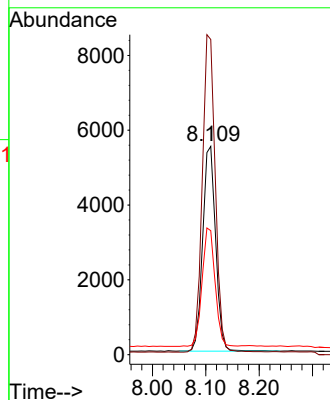
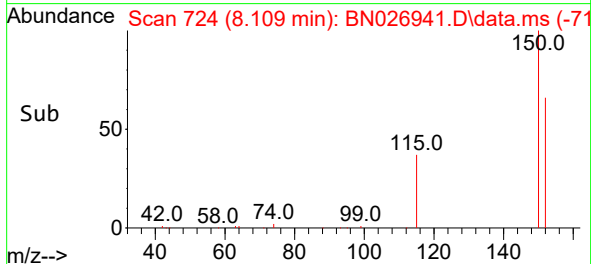


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.109 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: BN026941.D  
 Acq: 17 Aug 2023 14:22

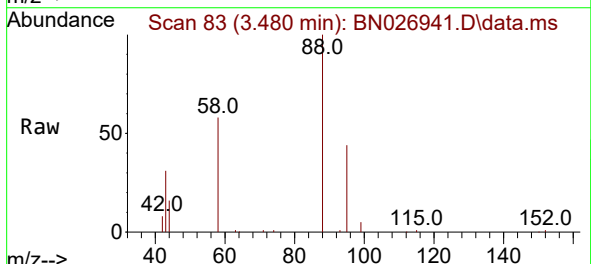
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE115D2-20230815DL



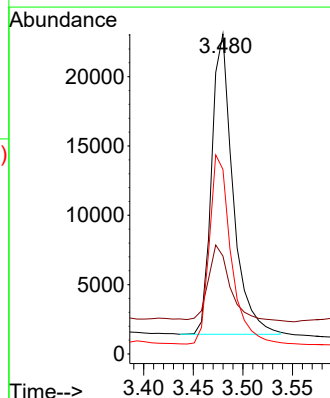
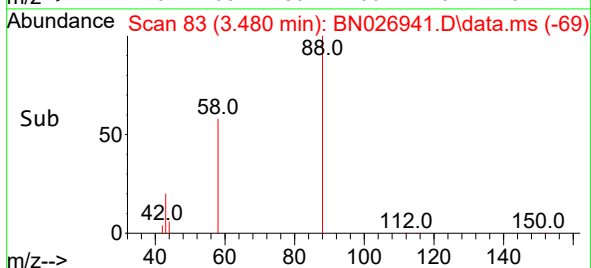
Tgt Ion:152 Resp: 9241  
 Ion Ratio Lower Upper  
 152 100  
 150 151.3 123.8 185.6  
 115 59.5 49.7 74.5

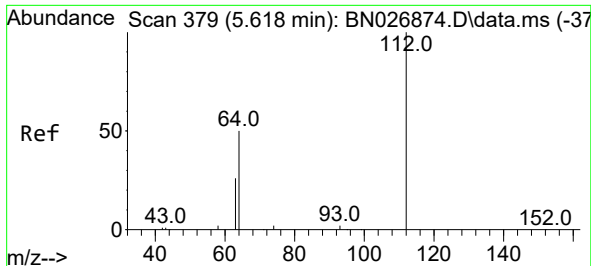


#2  
 1,4-Dioxane  
 Concen: 3.256 ng  
 RT: 3.480 min Scan# 83  
 Delta R.T. -0.000 min  
 Lab File: BN026941.D  
 Acq: 17 Aug 2023 14:22



Tgt Ion: 88 Resp: 32359  
 Ion Ratio Lower Upper  
 88 100  
 43 25.1 19.2 28.8  
 58 64.2 54.5 81.7

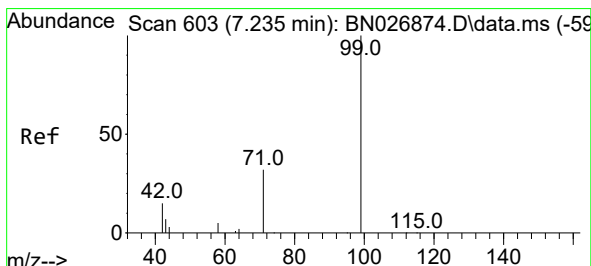
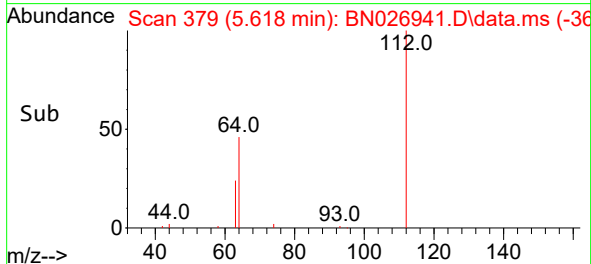
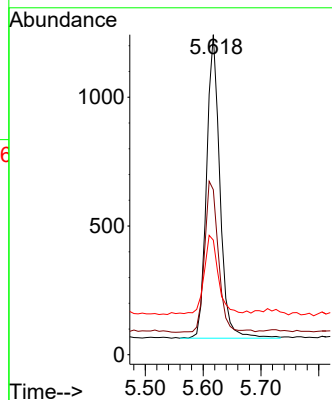
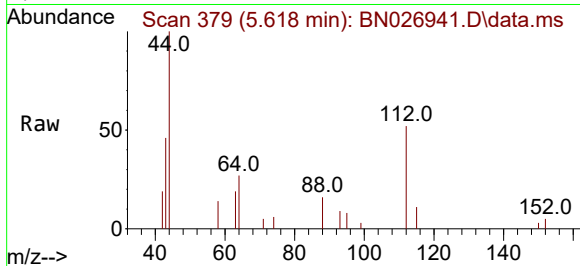




#4  
2-Fluorophenol  
Concen: 0.073 ng  
RT: 5.618 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BN026941.D  
Acq: 17 Aug 2023 14:22

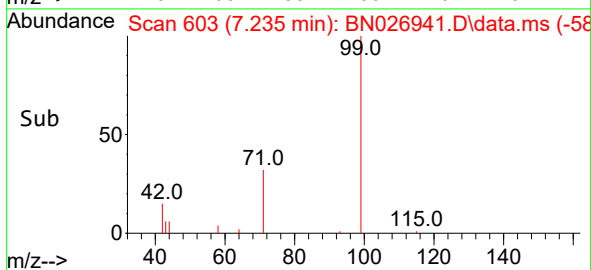
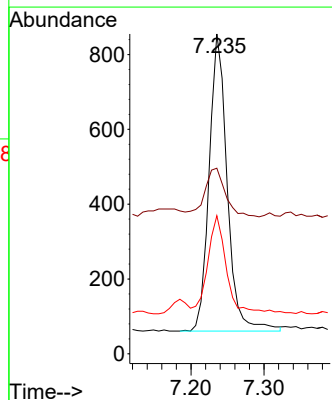
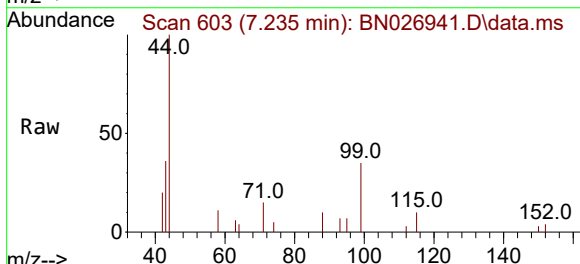
Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20230815DL

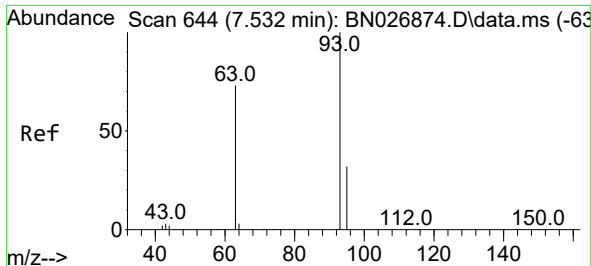
Tgt Ion:112 Resp: 1893  
Ion Ratio Lower Upper  
112 100  
64 51.5 41.5 62.3  
63 28.4 21.7 32.5



#5  
Phenol-d6  
Concen: 0.042 ng  
RT: 7.235 min Scan# 603  
Delta R.T. -0.000 min  
Lab File: BN026941.D  
Acq: 17 Aug 2023 14:22

Tgt Ion: 99 Resp: 1362  
Ion Ratio Lower Upper  
99 100  
42 18.8 13.6 20.4  
71 34.2 26.0 39.0

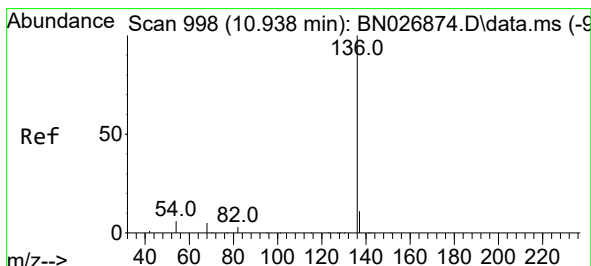
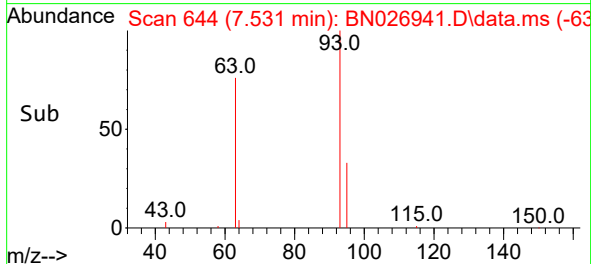
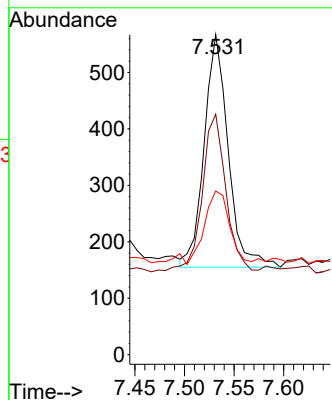
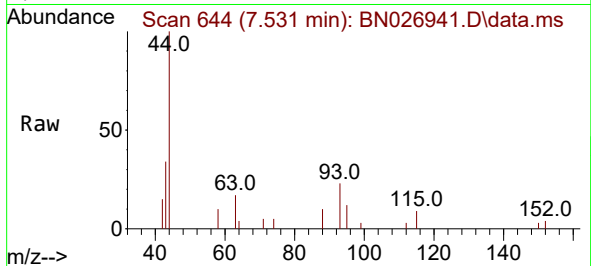




#6  
bis(2-Chloroethyl)ether  
Concen: 0.026 ng  
RT: 7.531 min Scan# 644  
Delta R.T. -0.000 min  
Lab File: BN026941.D  
Acq: 17 Aug 2023 14:22

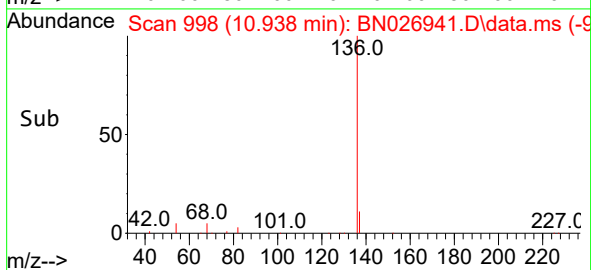
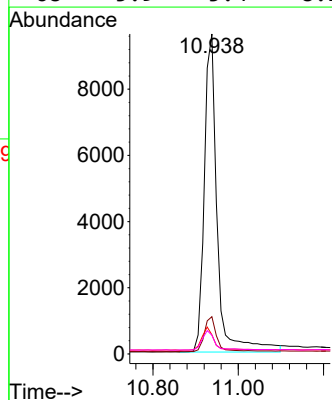
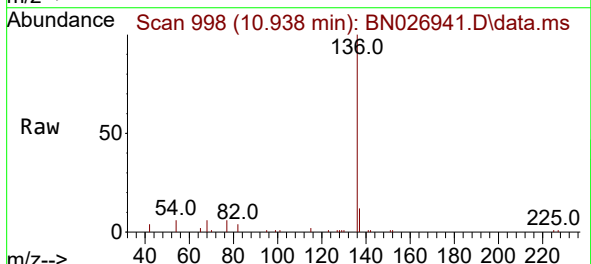
Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20230815DL

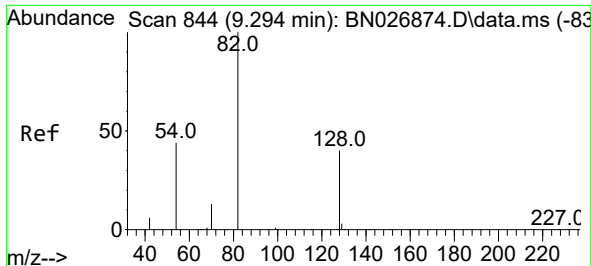
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 695   |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 67.2  | 55.0  | 82.4  |
| 95       | 30.8  | 26.2  | 39.2  |



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.938 min Scan# 998  
Delta R.T. -0.000 min  
Lab File: BN026941.D  
Acq: 17 Aug 2023 14:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 20140 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.6  | 9.0   | 13.6  |
| 54       | 6.0   | 5.5   | 8.3   |
| 68       | 5.9   | 5.4   | 8.2   |

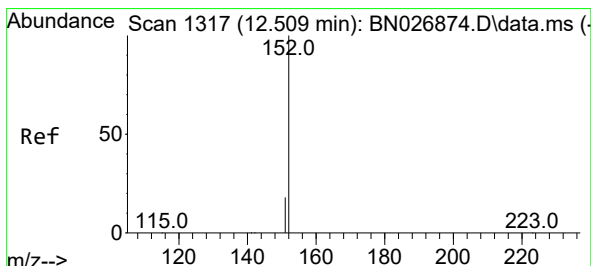
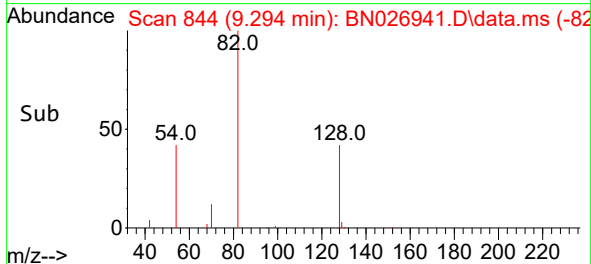
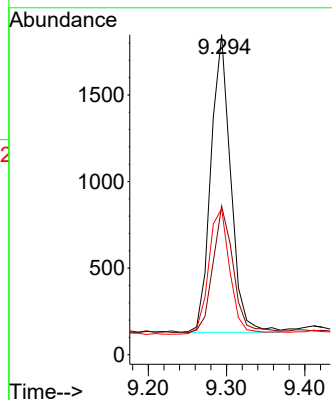
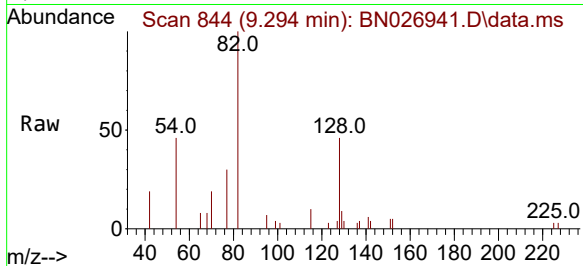




#8  
Nitrobenzene-d5  
Concen: 0.177 ng  
RT: 9.294 min Scan# 844  
Delta R.T. -0.000 min  
Lab File: BN026941.D  
Acq: 17 Aug 2023 14:22

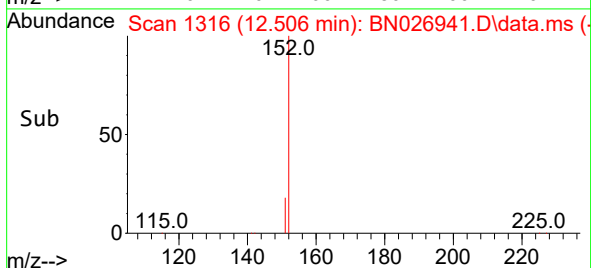
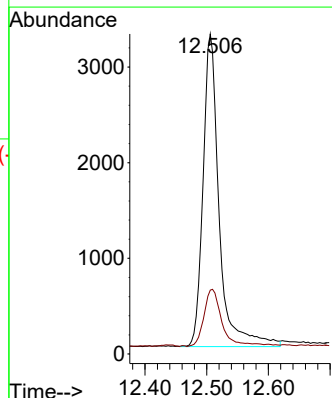
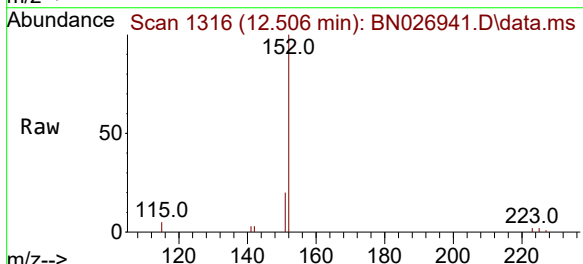
Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20230815DL

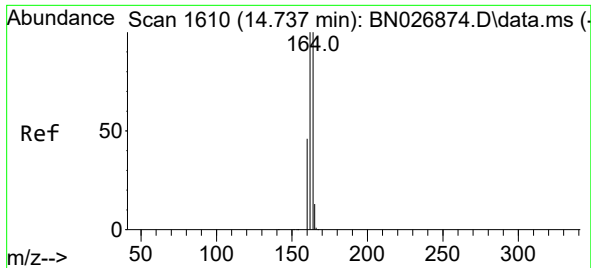
Tgt Ion: 82 Resp: 3016  
Ion Ratio Lower Upper  
82 100  
128 46.5 34.1 51.1  
54 45.7 37.0 55.4



#11  
2-Methylnaphthalene-d10  
Concen: 0.185 ng  
RT: 12.506 min Scan# 1316  
Delta R.T. -0.000 min  
Lab File: BN026941.D  
Acq: 17 Aug 2023 14:22

Tgt Ion: 152 Resp: 5932  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.3 24.5

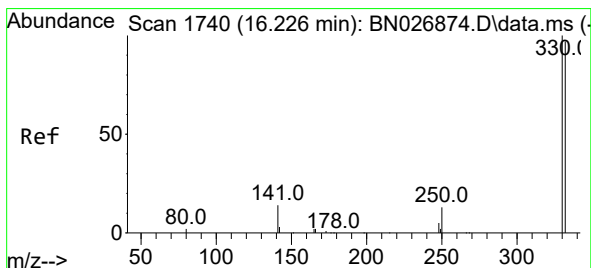
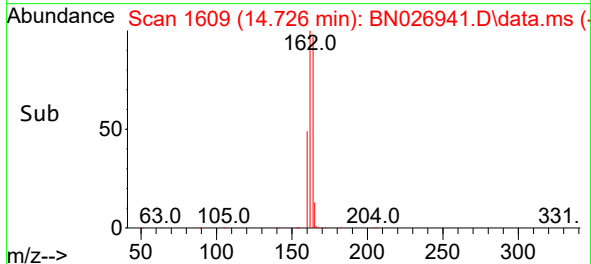
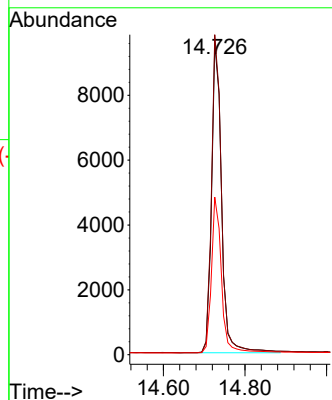
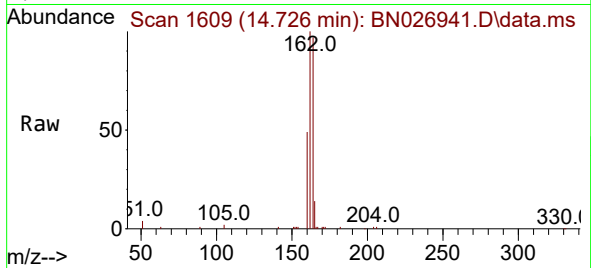




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.726 min Scan# 1609  
Delta R.T. -0.000 min  
Lab File: BN026941.D  
Acq: 17 Aug 2023 14:22

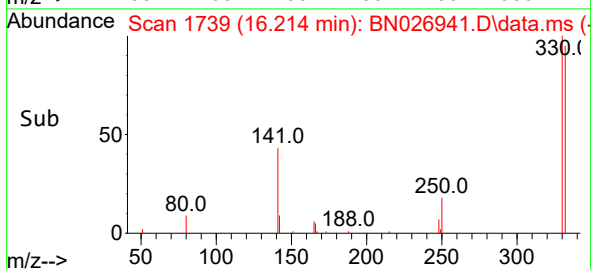
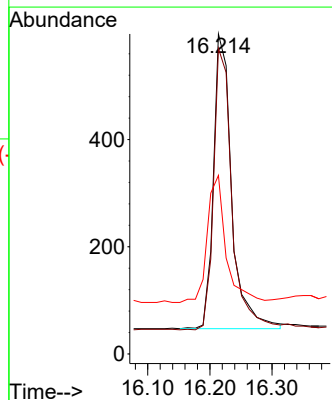
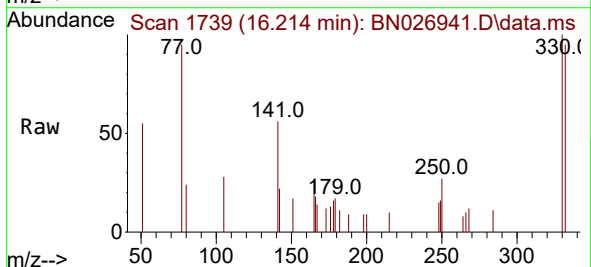
Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20230815DL

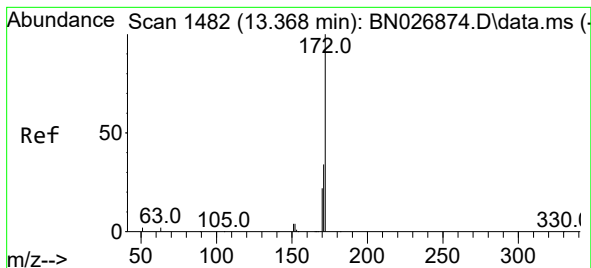
Tgt Ion:164 Resp: 16313  
Ion Ratio Lower Upper  
164 100  
162 102.9 79.7 119.5  
160 50.7 37.4 56.0



#14  
2,4,6-Tribromophenol  
Concen: 0.129 ng  
RT: 16.214 min Scan# 1739  
Delta R.T. -0.000 min  
Lab File: BN026941.D  
Acq: 17 Aug 2023 14:22

Tgt Ion:330 Resp: 1119  
Ion Ratio Lower Upper  
330 100  
332 96.6 76.6 114.8  
141 44.1 32.3 48.5





#15

2-Fluorobiphenyl

Concen: 0.159 ng

RT: 13.357 min Scan# 1482

Delta R.T. -0.000 min

Lab File: BN026941.D

Acq: 17 Aug 2023 14:22

Instrument :

BNA\_N

ClientSampleId :

RE115D2-20230815DL

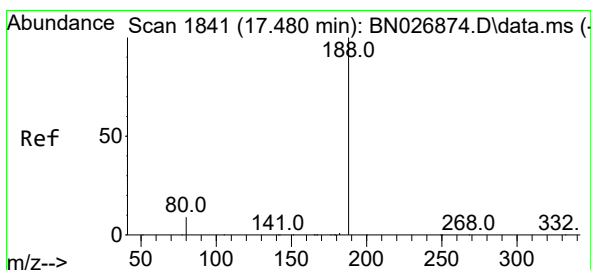
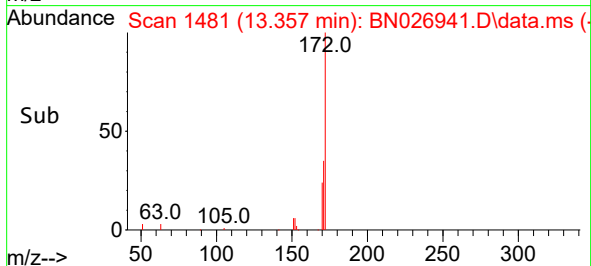
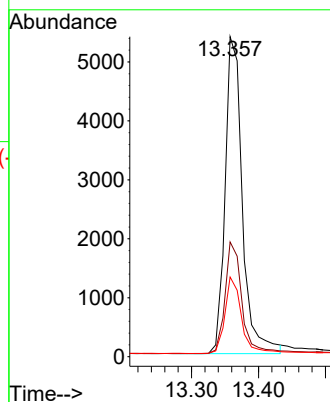
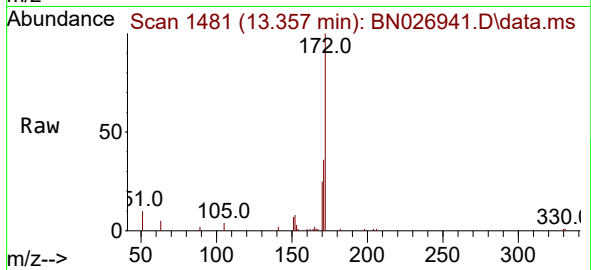
Tgt Ion:172 Resp: 9656

Ion Ratio Lower Upper

172 100

171 35.8 27.4 41.0

170 24.9 18.0 27.0



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.480 min Scan# 1841

Delta R.T. -0.000 min

Lab File: BN026941.D

Acq: 17 Aug 2023 14:22

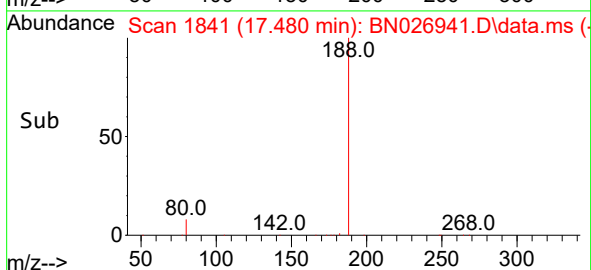
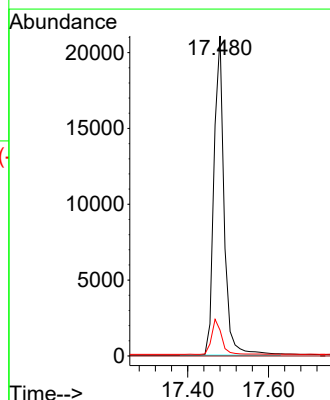
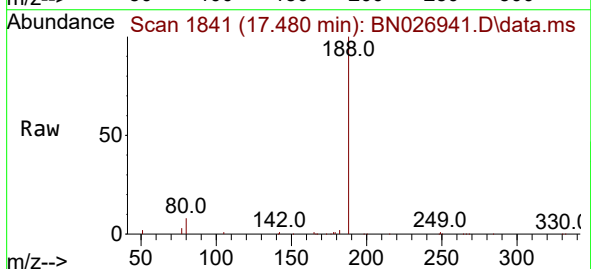
Tgt Ion:188 Resp: 36799

Ion Ratio Lower Upper

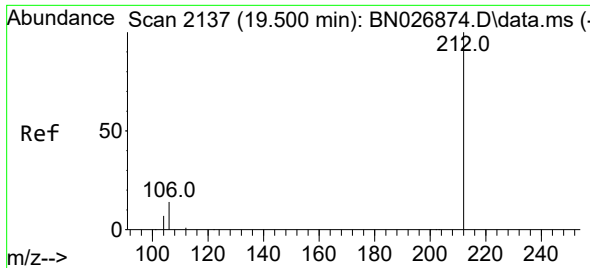
188 100

94 0.0 0.0 0.0

80 8.1 7.4 11.2



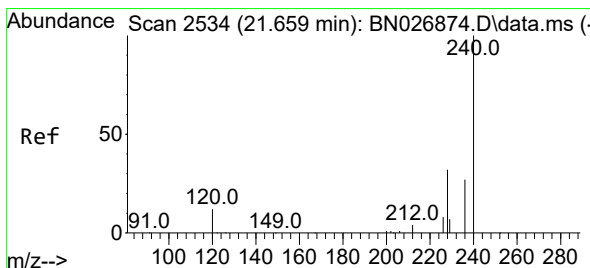
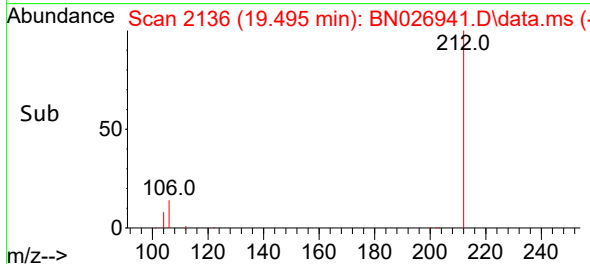
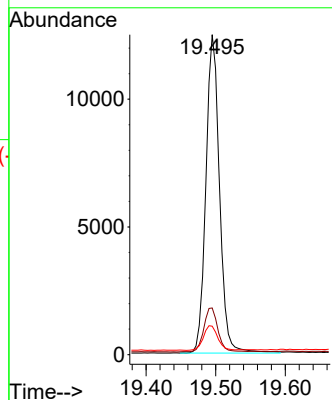
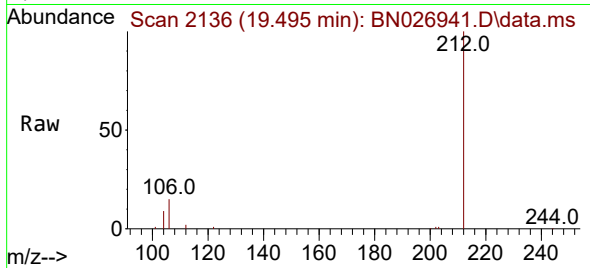




#27  
Fluoranthene-d10  
Concen: 0.179 ng  
RT: 19.495 min Scan# 2136  
Delta R.T. -0.005 min  
Lab File: BN026941.D  
Acq: 17 Aug 2023 14:22

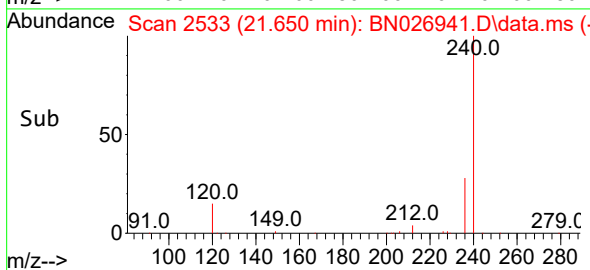
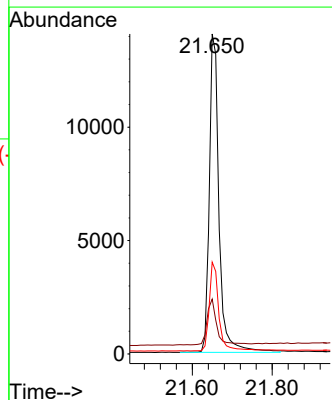
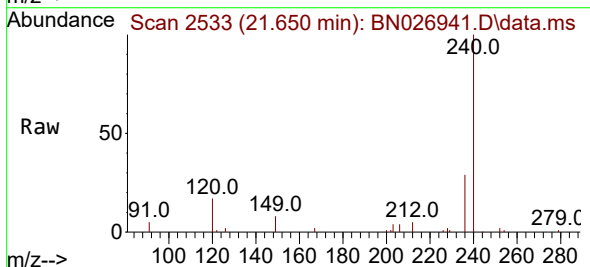
Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20230815DL

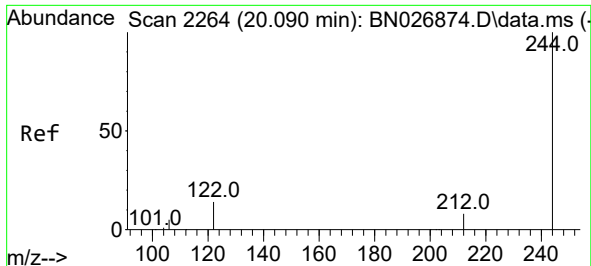
Tgt Ion:212 Resp: 16925  
Ion Ratio Lower Upper  
212 100  
106 14.4 10.9 16.3  
104 8.2 5.9 8.9



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.650 min Scan# 2533  
Delta R.T. -0.009 min  
Lab File: BN026941.D  
Acq: 17 Aug 2023 14:22

Tgt Ion:240 Resp: 23631  
Ion Ratio Lower Upper  
240 100  
120 17.2 11.1 16.7#  
236 28.7 22.2 33.2

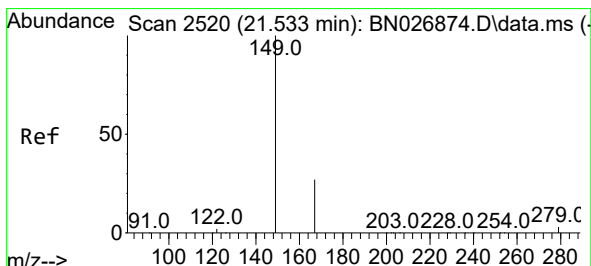
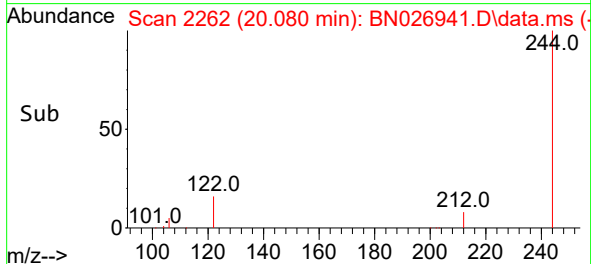
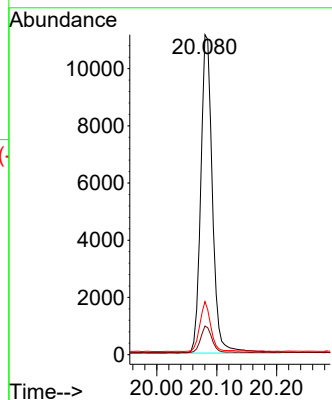
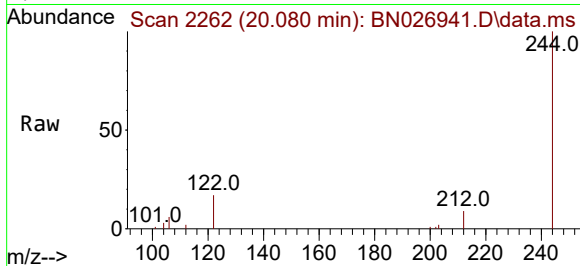




#31  
 Terphenyl-d14  
 Concen: 0.305 ng  
 RT: 20.080 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: BN026941.D  
 Acq: 17 Aug 2023 14:22

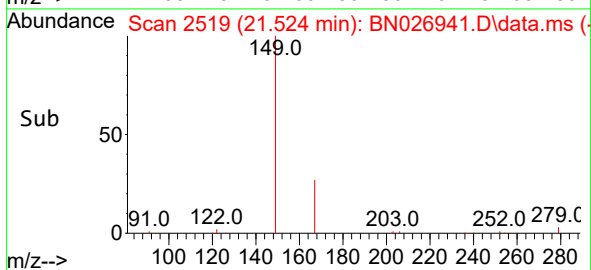
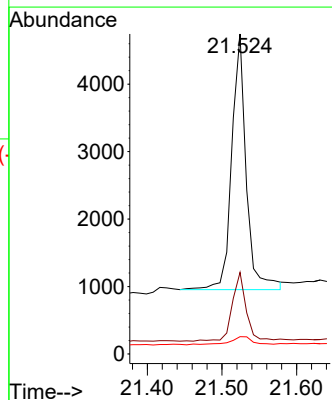
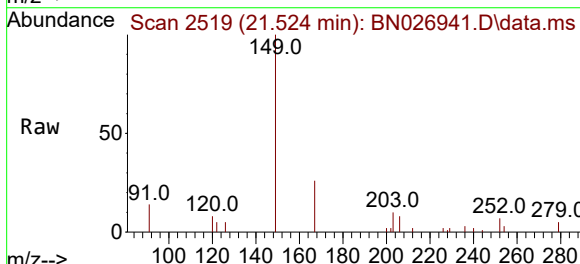
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE115D2-20230815DL

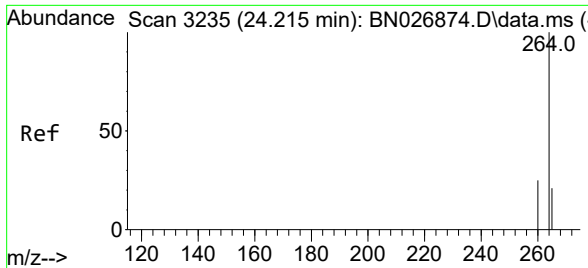
Tgt Ion:244 Resp: 15055  
 Ion Ratio Lower Upper  
 244 100  
 212 8.9 6.9 10.3  
 122 16.6 11.9 17.9



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.083 ng  
 RT: 21.524 min Scan# 2519  
 Delta R.T. -0.000 min  
 Lab File: BN026941.D  
 Acq: 17 Aug 2023 14:22

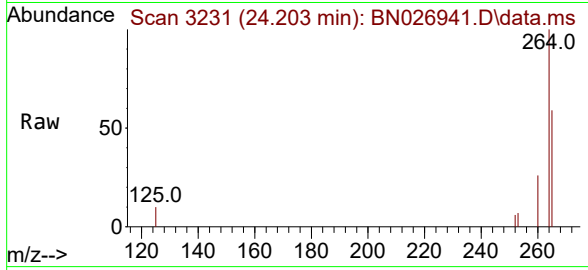
Tgt Ion:149 Resp: 5110  
 Ion Ratio Lower Upper  
 149 100  
 167 25.8 21.4 32.0  
 279 5.0 3.6 5.4





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.203 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: BN026941.D  
 Acq: 17 Aug 2023 14:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE115D2-20230815DL



Tgt Ion:264 Resp: 21788

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.7  | 20.4  | 30.6  |
| 265 | 58.7  | 27.0  | 40.6# |

