

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN093025\  
 Data File : BN037951.D  
 Acq On : 30 Sep 2025 18:22  
 Operator : RC/JU  
 Sample : Q3193-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE137-20250922

Quant Time: Sep 30 18:48:17 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN092325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 24 11:00:01 2025  
 Response via : Initial Calibration

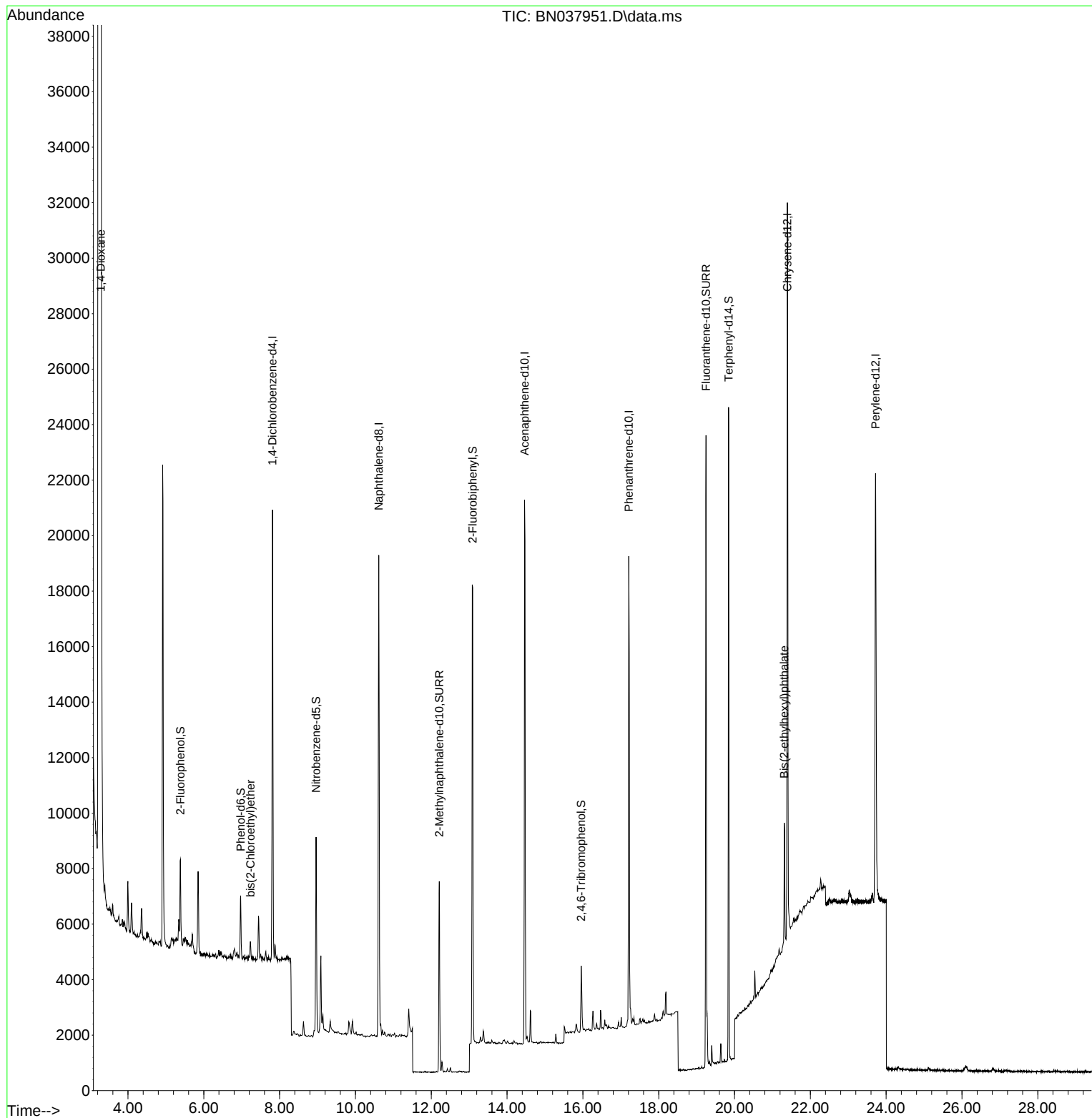
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.811  | 152  | 7660     | 0.400 | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.616 | 136  | 22207    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.462 | 164  | 11684    | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.211 | 188  | 23947    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.393 | 240  | 23880    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.721 | 264  | 22435    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.384  | 112  | 2530     | 0.145 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.973  | 99   | 2037     | 0.089 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.961  | 82   | 5522     | 0.326 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.212 | 152  | 9130     | 0.296 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.957 | 330  | 1395     | 0.315 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.094 | 172  | 15694    | 0.328 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.248 | 212  | 24348    | 0.404 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.847 | 244  | 21444    | 0.451 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.283  | 88   | 33996    | 4.372 | ng    | 97       |
| 6) bis(2-Chloroethyl)ether    | 7.233  | 93   | 480      | 0.023 | ng    | 88       |
| 34) Bis(2-ethylhexyl)phtha... | 21.313 | 149  | 4672     | 0.142 | ng    | # 99     |
| -----                         |        |      |          |       |       |          |

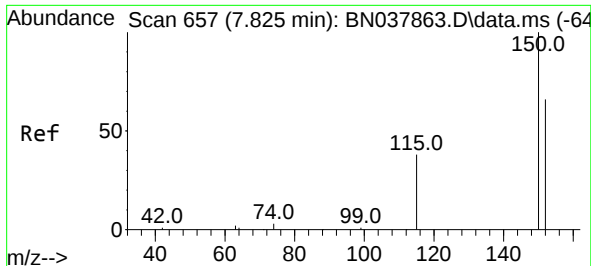
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN093025\  
Data File : BN037951.D  
Acq On : 30 Sep 2025 18:22  
Operator : RC/JU  
Sample : Q3193-05  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE137-20250922

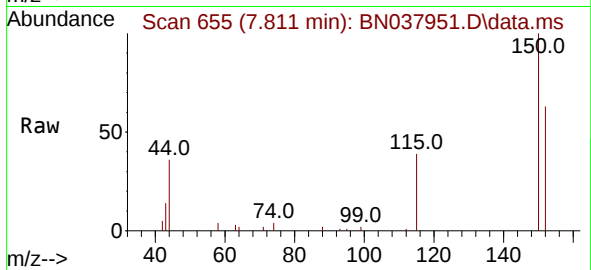
Quant Time: Sep 30 18:48:17 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN092325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 24 11:00:01 2025  
Response via : Initial Calibration





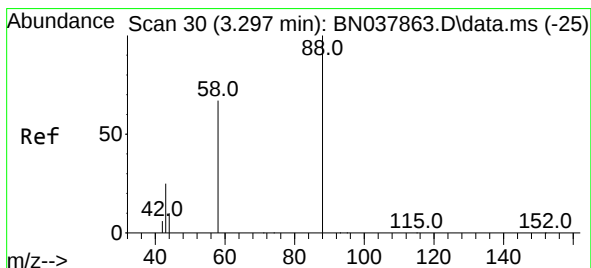
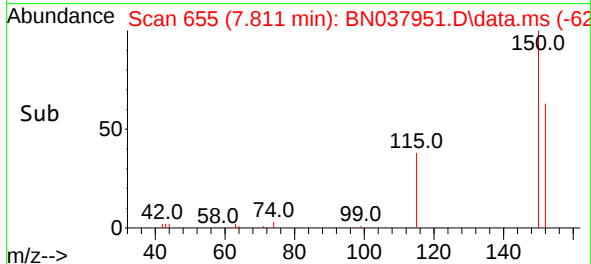
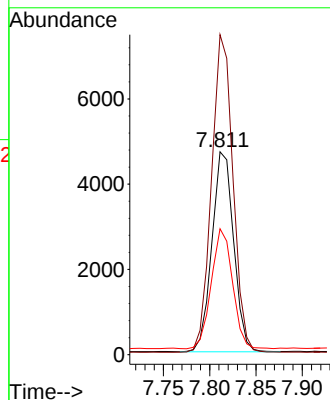
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.811 min Scan# 61  
 Delta R.T. -0.014 min  
 Lab File: BN037951.D  
 Acq: 30 Sep 2025 18:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE137-20250922



Tgt Ion:152 Resp: 7660

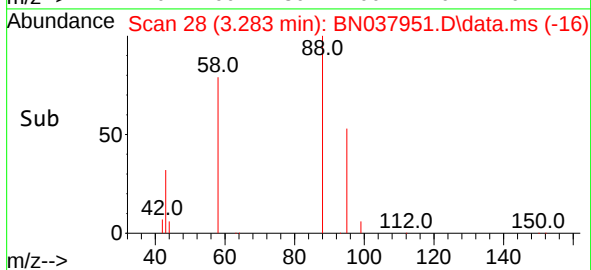
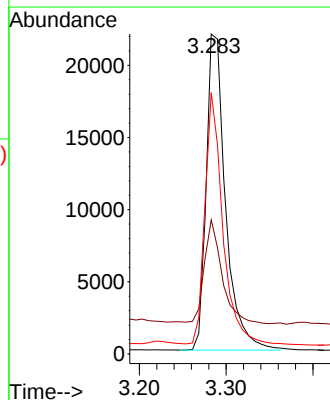
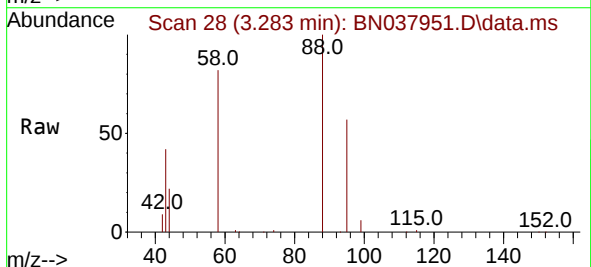
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 157.7 | 121.0 | 181.4 |
| 115 | 62.1  | 47.4  | 71.0  |

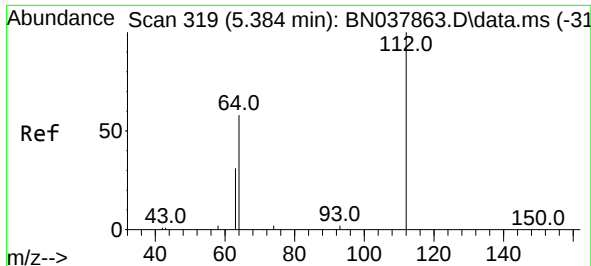


#2  
 1,4-Dioxane  
 Concen: 4.372 ng  
 RT: 3.283 min Scan# 28  
 Delta R.T. -0.014 min  
 Lab File: BN037951.D  
 Acq: 30 Sep 2025 18:22

Tgt Ion: 88 Resp: 33996

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 29.8  | 26.6  | 39.8  |
| 58  | 72.7  | 58.9  | 88.3  |

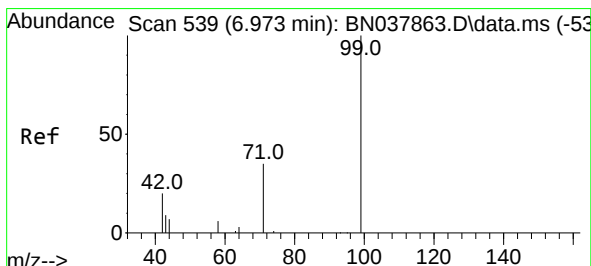
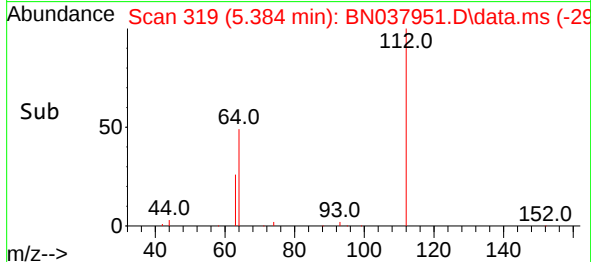
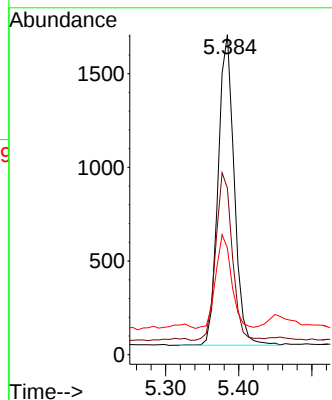
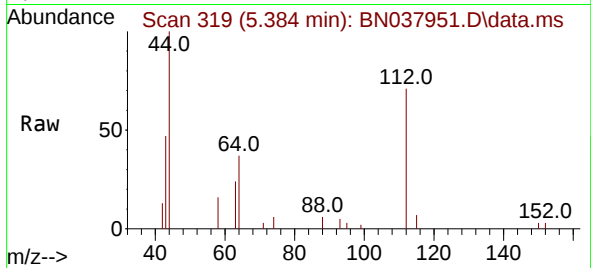




#4  
2-Fluorophenol  
Concen: 0.145 ng  
RT: 5.384 min Scan# 319  
Delta R.T. 0.000 min  
Lab File: BN037951.D  
Acq: 30 Sep 2025 18:22

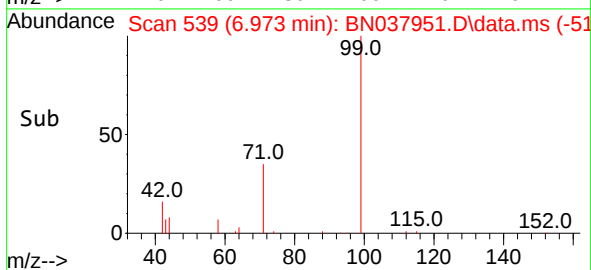
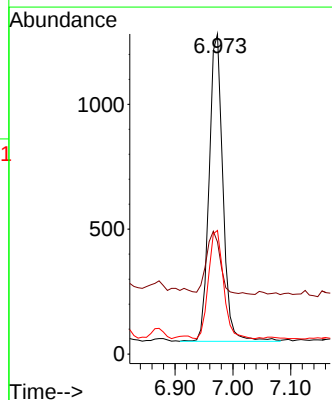
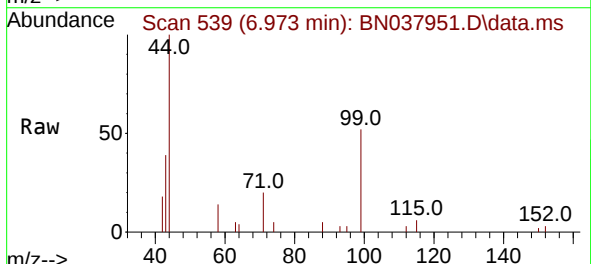
Instrument :  
BNA\_N  
ClientSampleId :  
RE137-20250922

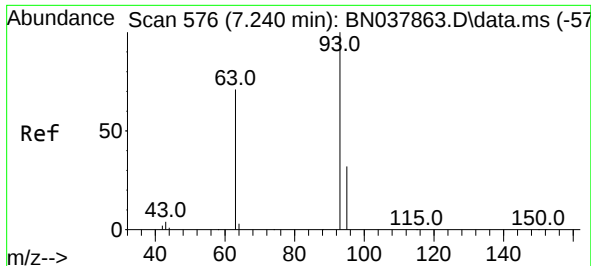
Tgt Ion:112 Resp: 2530  
Ion Ratio Lower Upper  
112 100  
64 55.2 44.6 66.8  
63 29.9 24.9 37.3



#5  
Phenol-d6  
Concen: 0.089 ng  
RT: 6.973 min Scan# 539  
Delta R.T. 0.000 min  
Lab File: BN037951.D  
Acq: 30 Sep 2025 18:22

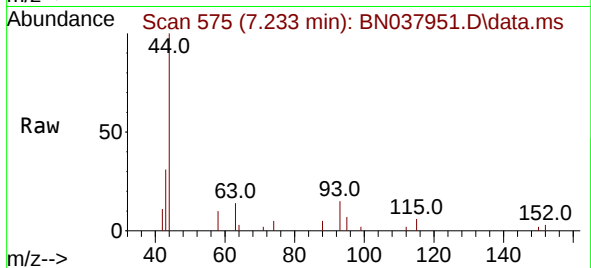
Tgt Ion: 99 Resp: 2037  
Ion Ratio Lower Upper  
99 100  
42 20.9 17.2 25.8  
71 38.3 27.3 40.9



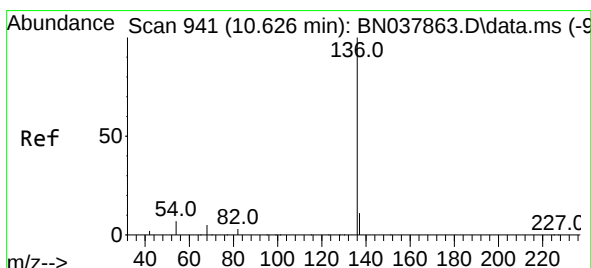
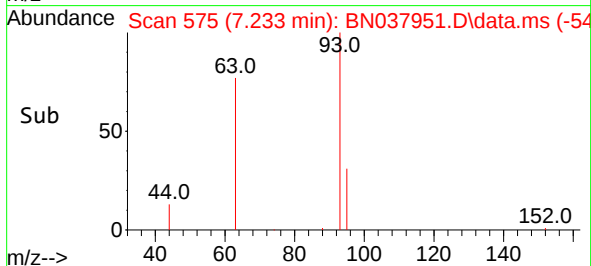
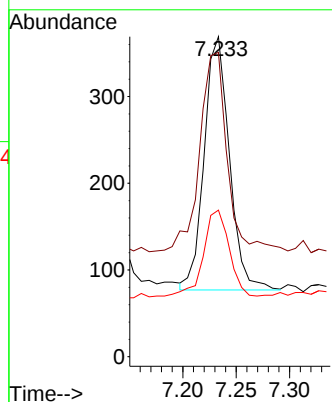


#6  
bis(2-Chloroethyl)ether  
Concen: 0.023 ng  
RT: 7.233 min Scan# 51  
Delta R.T. -0.007 min  
Lab File: BN037951.D  
Acq: 30 Sep 2025 18:22

Instrument :  
BNA\_N  
ClientSampleId :  
RE137-20250922

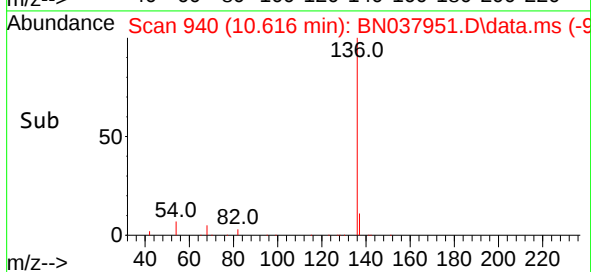
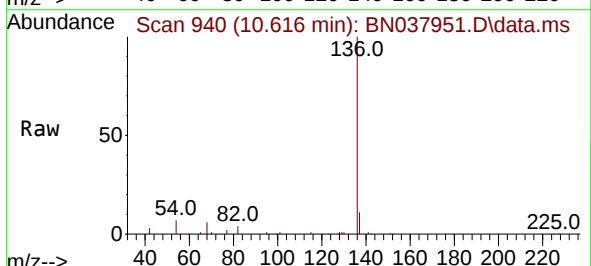
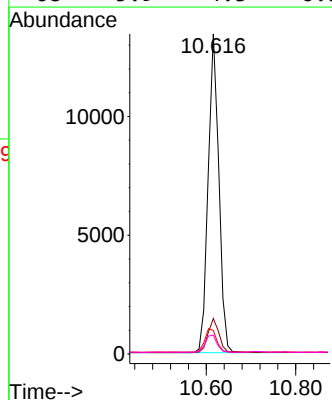


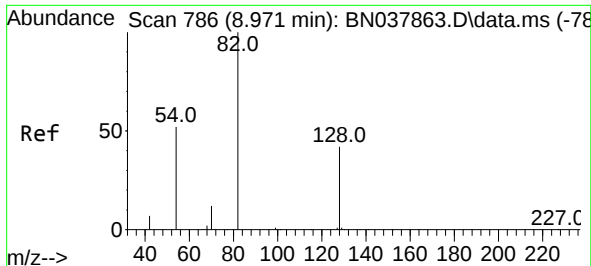
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 93 | Resp: | 480   |       |
| Ion         | Ratio | Lower | Upper |
| 93          | 100   |       |       |
| 63          | 86.0  | 60.1  | 90.1  |
| 95          | 37.5  | 25.4  | 38.2  |



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.616 min Scan# 940  
Delta R.T. -0.011 min  
Lab File: BN037951.D  
Acq: 30 Sep 2025 18:22

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:136 | Resp: | 22207 |
| Ion | Ratio   | Lower | Upper |
| 136 | 100     |       |       |
| 137 | 11.1    | 9.0   | 13.4  |
| 54  | 7.3     | 5.8   | 8.8   |
| 68  | 5.9     | 4.3   | 6.5   |

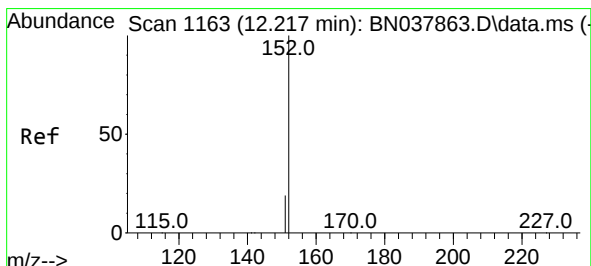
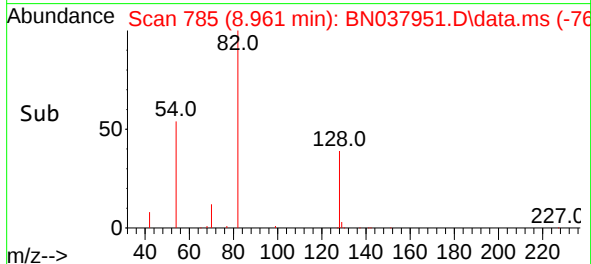
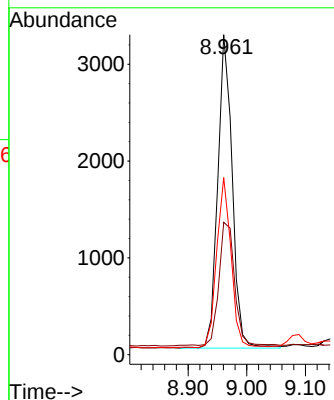
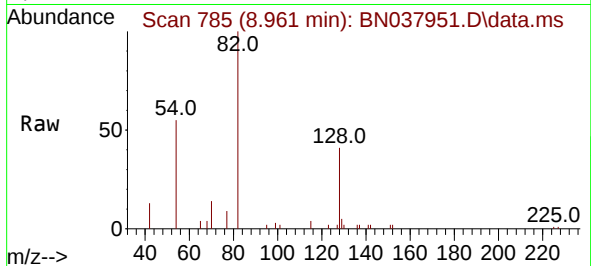




#8  
Nitrobenzene-d5  
Concen: 0.326 ng  
RT: 8.961 min Scan# 71  
Delta R.T. -0.011 min  
Lab File: BN037951.D  
Acq: 30 Sep 2025 18:22

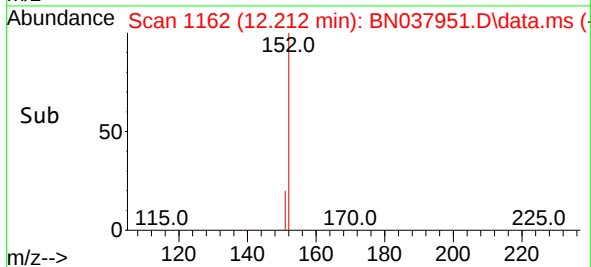
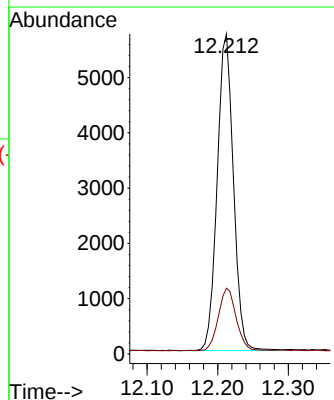
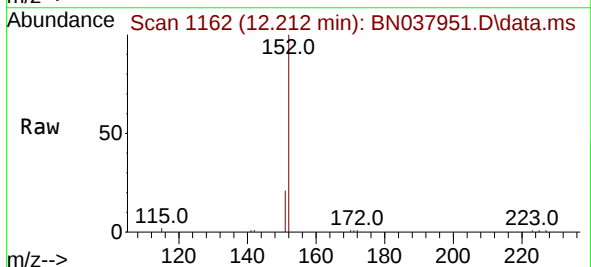
Instrument :  
BNA\_N  
ClientSampleId :  
RE137-20250922

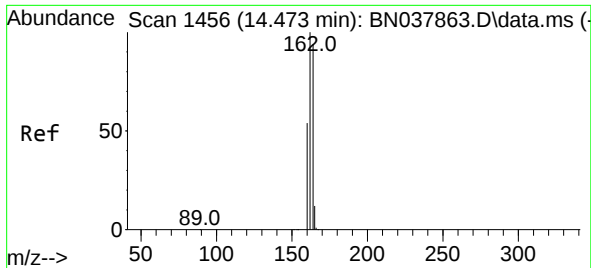
Tgt Ion: 82 Resp: 5522  
Ion Ratio Lower Upper  
82 100  
128 41.4 34.8 52.2  
54 55.3 42.2 63.2



#11  
2-Methylnaphthalene-d10  
Concen: 0.296 ng  
RT: 12.212 min Scan# 1162  
Delta R.T. -0.005 min  
Lab File: BN037951.D  
Acq: 30 Sep 2025 18:22

Tgt Ion: 152 Resp: 9130  
Ion Ratio Lower Upper  
152 100  
151 21.5 17.4 26.2

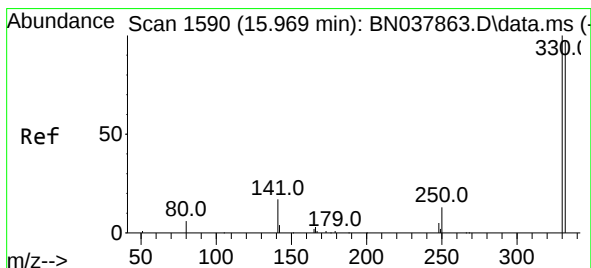
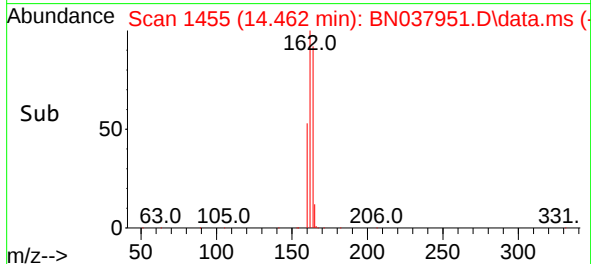
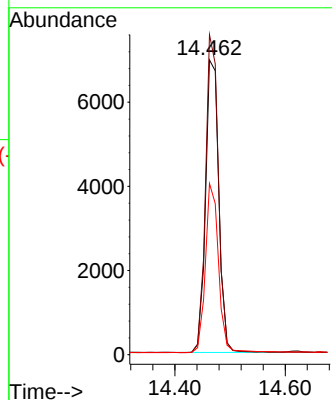
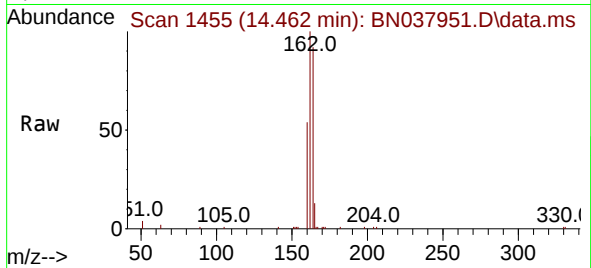




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.462 min Scan# 1455  
Delta R.T. -0.011 min  
Lab File: BN037951.D  
Acq: 30 Sep 2025 18:22

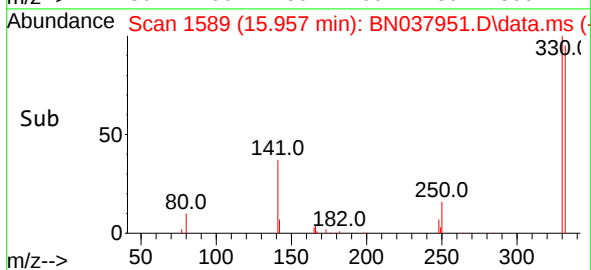
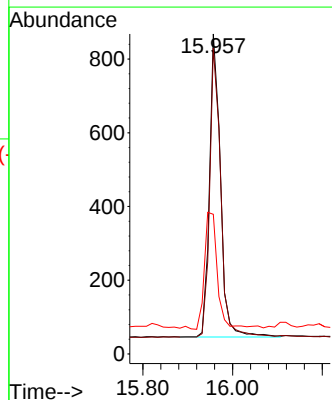
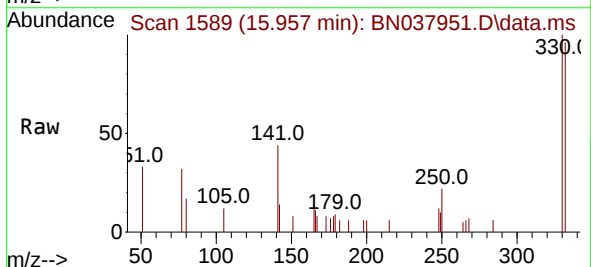
Instrument :  
BNA\_N  
ClientSampleId :  
RE137-20250922

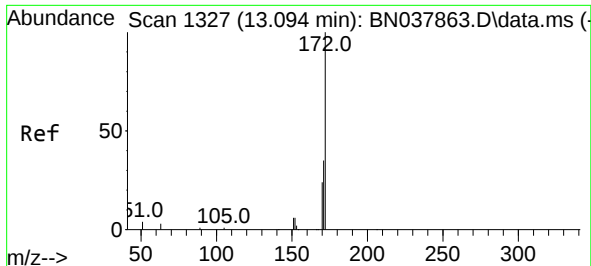
Tgt Ion:164 Resp: 11684  
Ion Ratio Lower Upper  
164 100  
162 108.5 84.8 127.2  
160 58.1 46.1 69.1



#14  
2,4,6-Tribromophenol  
Concen: 0.315 ng  
RT: 15.957 min Scan# 1589  
Delta R.T. -0.012 min  
Lab File: BN037951.D  
Acq: 30 Sep 2025 18:22

Tgt Ion:330 Resp: 1395  
Ion Ratio Lower Upper  
330 100  
332 95.3 77.2 115.8  
141 45.7 37.2 55.8

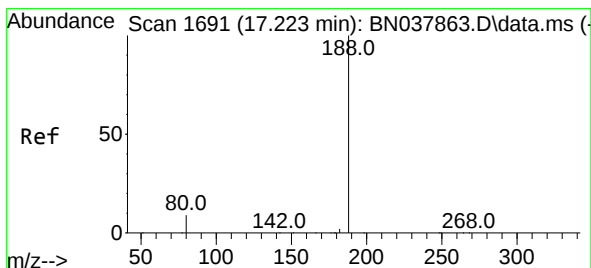
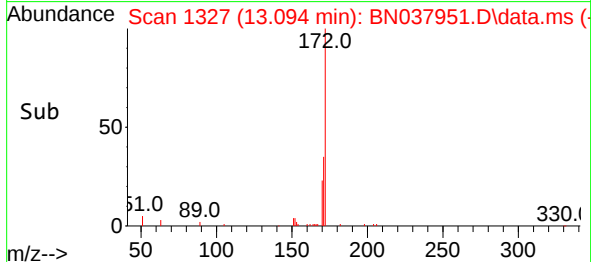
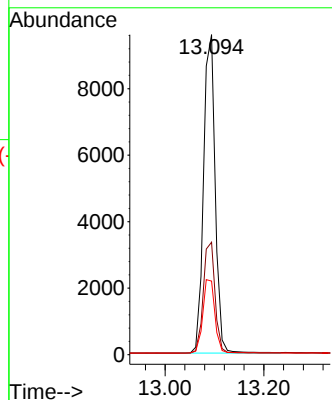
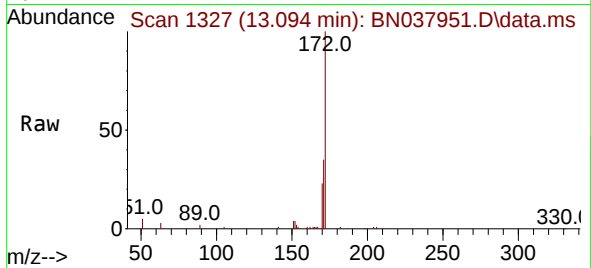




#15  
2-Fluorobiphenyl  
Concen: 0.328 ng  
RT: 13.094 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN037951.D  
Acq: 30 Sep 2025 18:22

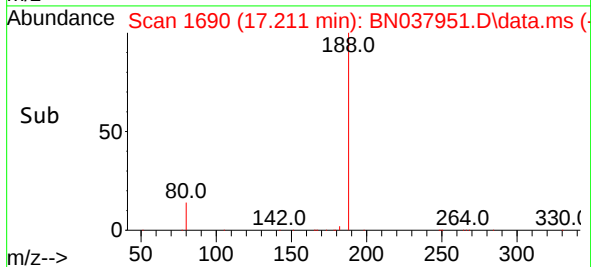
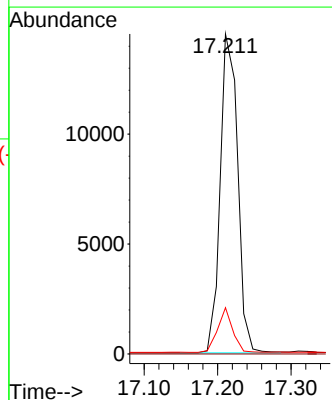
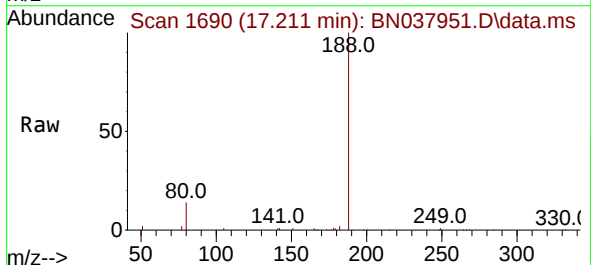
Instrument :  
BNA\_N  
ClientSampleId :  
RE137-20250922

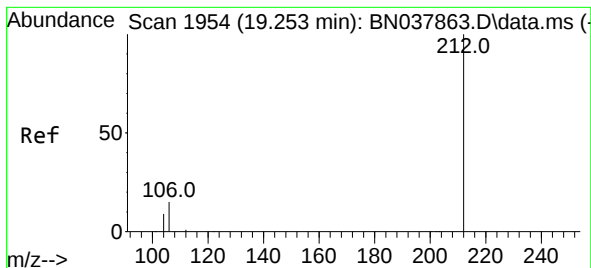
Tgt Ion:172 Resp: 15694  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.6 43.0  
170 23.0 19.7 29.5



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.211 min Scan# 1690  
Delta R.T. -0.012 min  
Lab File: BN037951.D  
Acq: 30 Sep 2025 18:22

Tgt Ion:188 Resp: 23947  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 14.5 7.6 11.4#





#27

Fluoranthene-d10

Concen: 0.404 ng

RT: 19.248 min Scan# 1953

Delta R.T. -0.005 min

Lab File: BN037951.D

Acq: 30 Sep 2025 18:22

Instrument :

BNA\_N

ClientSampleId :

RE137-20250922

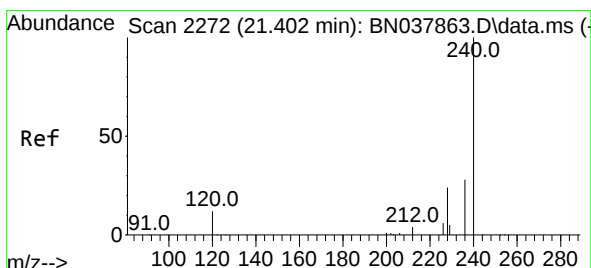
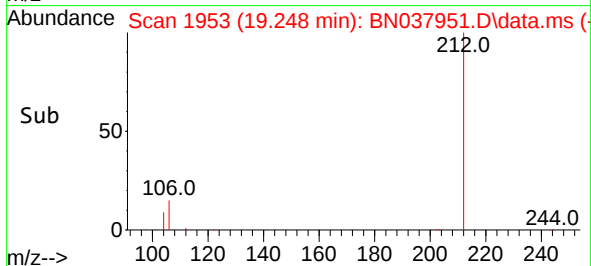
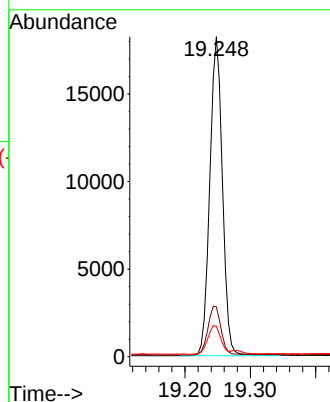
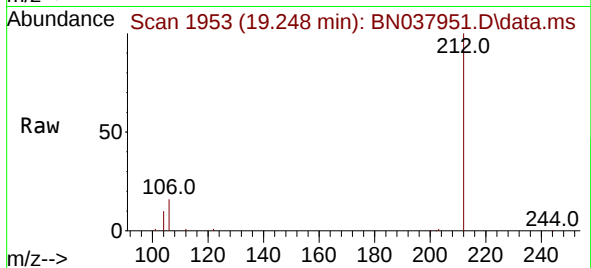
Tgt Ion:212 Resp: 24348

Ion Ratio Lower Upper

212 100

106 15.9 12.6 19.0

104 9.5 7.4 11.0



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.393 min Scan# 2271

Delta R.T. -0.009 min

Lab File: BN037951.D

Acq: 30 Sep 2025 18:22

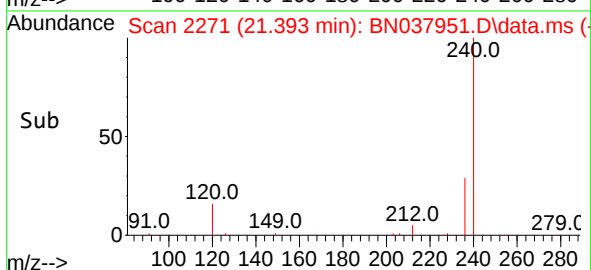
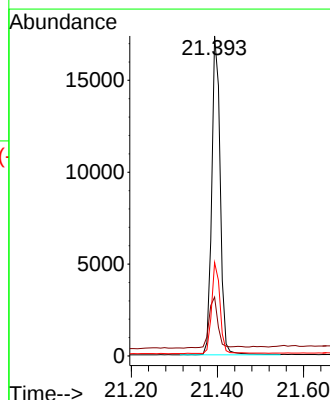
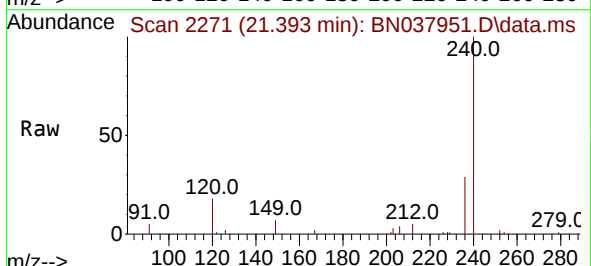
Tgt Ion:240 Resp: 23880

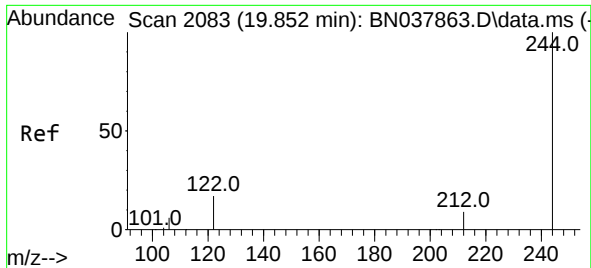
Ion Ratio Lower Upper

240 100

120 18.4 11.4 17.2#

236 29.2 23.0 34.6

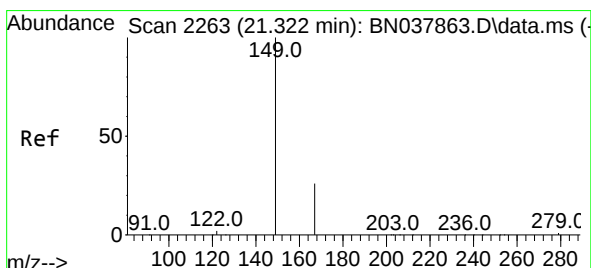
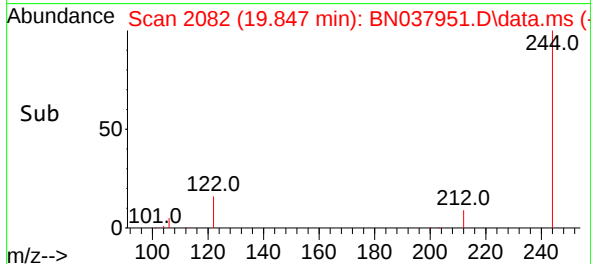
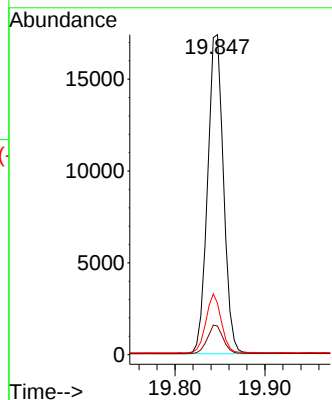
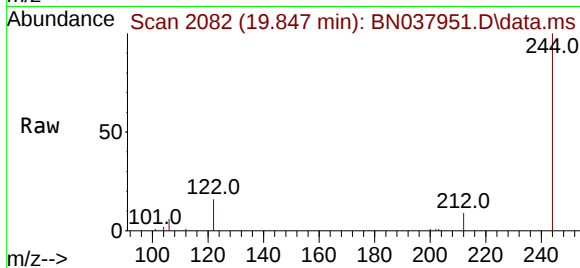




#31  
 Terphenyl-d14  
 Concen: 0.451 ng  
 RT: 19.847 min Scan# 2082  
 Delta R.T. -0.005 min  
 Lab File: BN037951.D  
 Acq: 30 Sep 2025 18:22

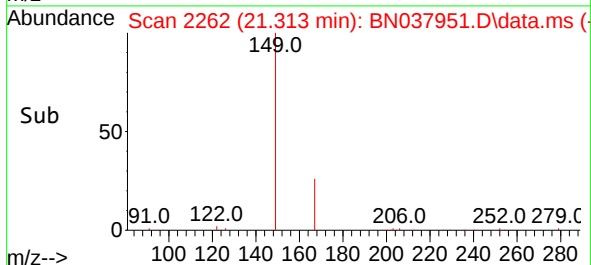
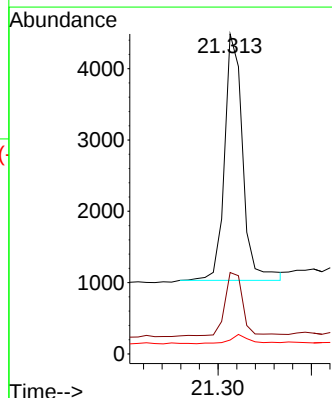
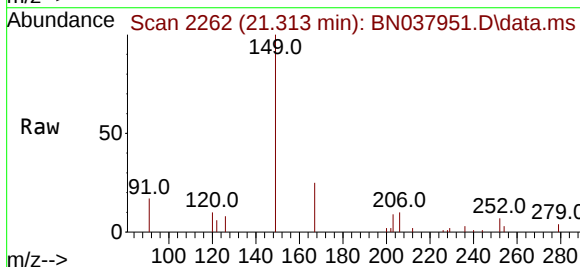
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE137-20250922

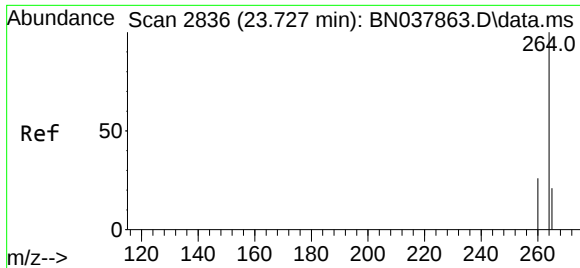
Tgt Ion:244 Resp: 21444  
 Ion Ratio Lower Upper  
 244 100  
 212 9.0 7.6 11.4  
 122 16.1 13.9 20.9



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.142 ng  
 RT: 21.313 min Scan# 2262  
 Delta R.T. -0.009 min  
 Lab File: BN037951.D  
 Acq: 30 Sep 2025 18:22

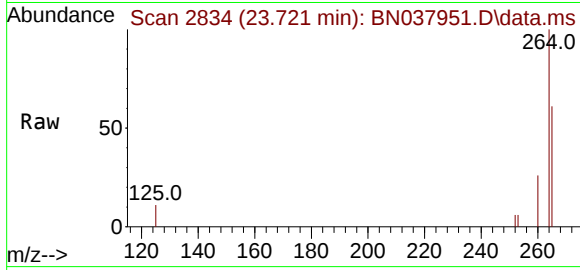
Tgt Ion:149 Resp: 4672  
 Ion Ratio Lower Upper  
 149 100  
 167 25.7 20.4 30.6  
 279 4.2 2.4 3.6#





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.721 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BN037951.D  
 Acq: 30 Sep 2025 18:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE137-20250922



Tgt Ion:264 Resp: 22435

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 26.4  | 21.5  | 32.3  |
| 265 | 61.3  | 53.8  | 80.6  |

