

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031125\  
 Data File : BN036581.D  
 Acq On : 11 Mar 2025 14:57  
 Operator : RC/JU  
 Sample : Q1531-07DL 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE103D1-20250306DL

Quant Time: Mar 11 15:22:37 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 10 16:06:28 2025  
 Response via : Initial Calibration

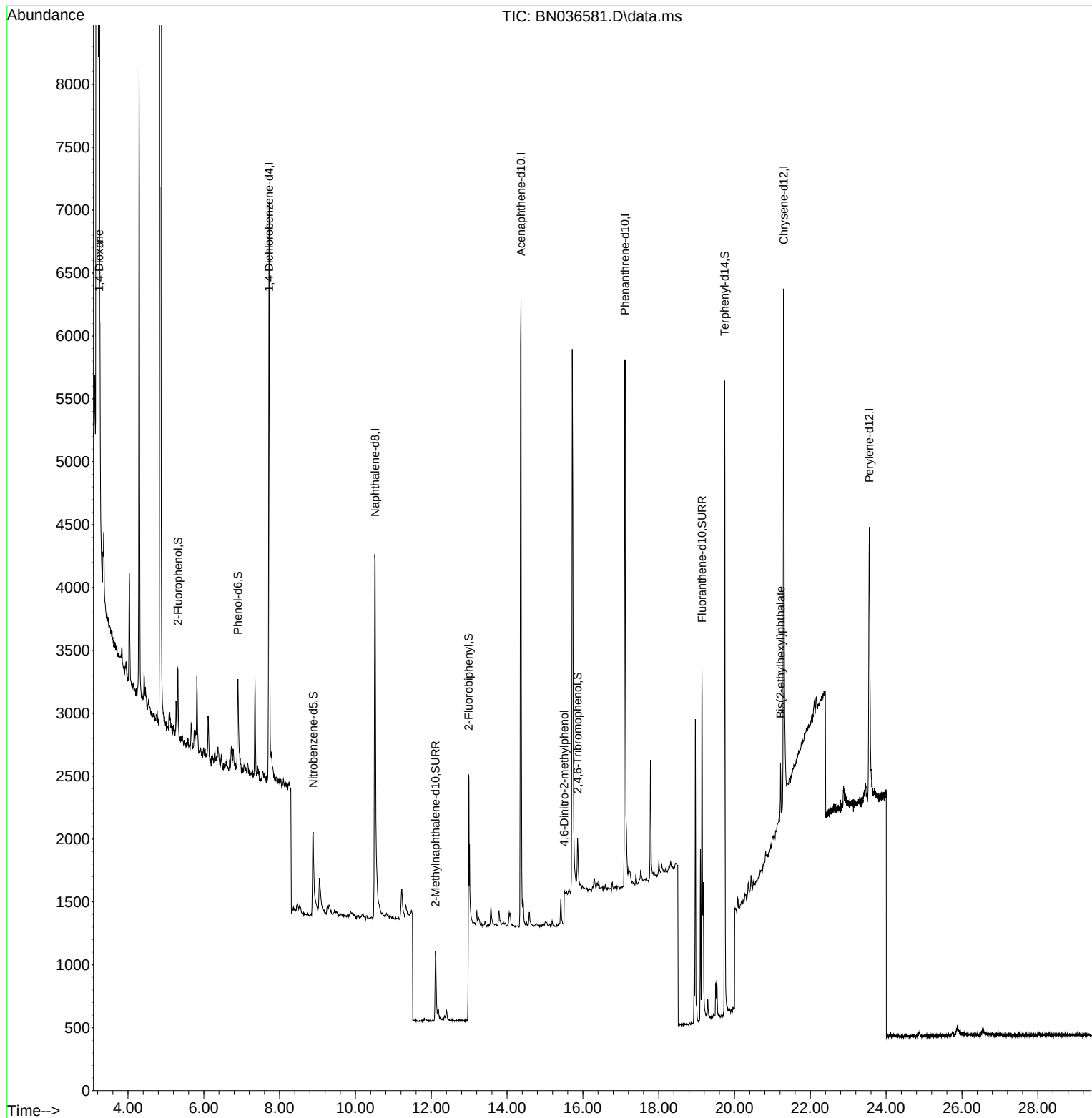
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.724  | 152  | 2259     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.520 | 136  | 5271     | 0.400 | ng    | 0.01     |
| 13) Acenaphthene-d10          | 14.366 | 164  | 3220     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.111 | 188  | 6427     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.295 | 240  | 4562     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.554 | 264  | 3613     | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.319  | 112  | 398      | 0.076 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.901  | 99   | 764      | 0.117 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.886  | 82   | 833      | 0.145 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 12.111 | 152  | 1102     | 0.141 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.858 | 330  | 276      | 0.189 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.988 | 172  | 3032     | 0.162 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.141 | 212  | 3474     | 0.211 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.740 | 244  | 4984     | 0.456 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.239  | 88   | 7390     | 2.949 | ng    | 97       |
| 20) 4,6-Dinitro-2-methylph... | 15.510 | 198  | 16       | 0.156 | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.214 | 149  | 444      | 0.039 | ng    | # 99     |
| -----                         |        |      |          |       |       |          |

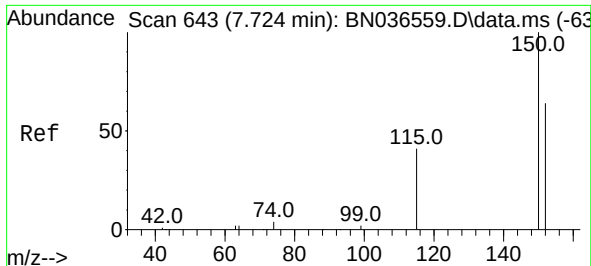
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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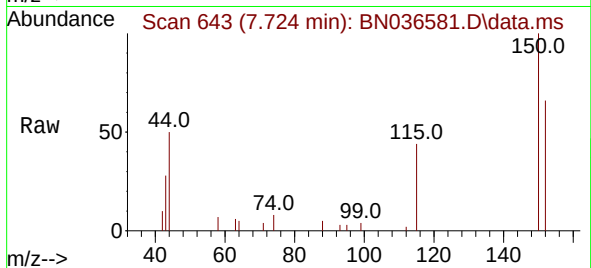
Quant Time: Mar 11 15:22:37 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 10 16:06:28 2025  
Response via : Initial Calibration



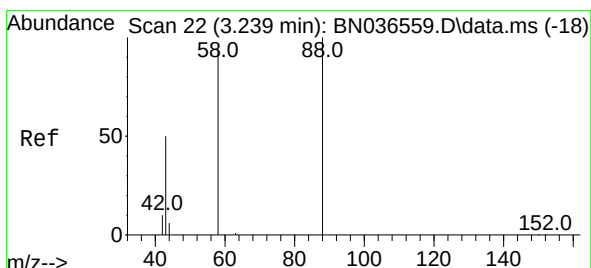
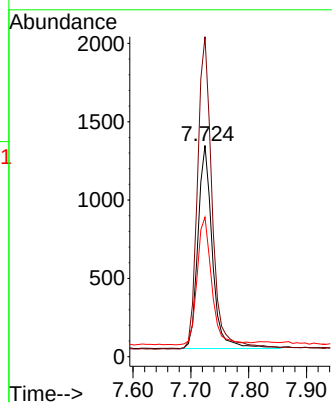
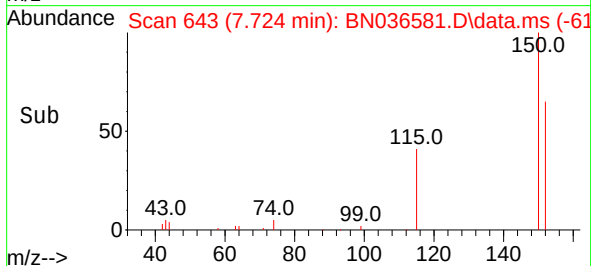


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.724 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN036581.D  
Acq: 11 Mar 2025 14:57

Instrument :  
BNA\_N  
ClientSampleId :  
RE103D1-20250306DL

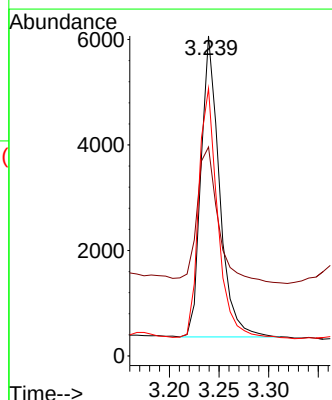
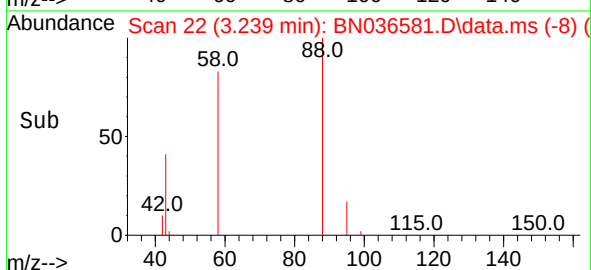
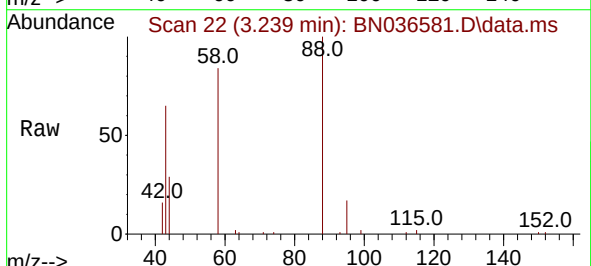


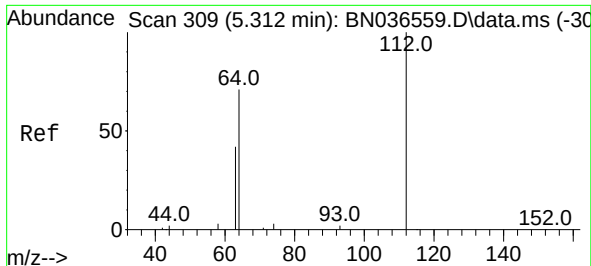
Tgt Ion:152 Resp: 2259  
Ion Ratio Lower Upper  
152 100  
150 151.4 123.7 185.5  
115 66.0 54.3 81.5



#2  
1,4-Dioxane  
Concen: 2.949 ng  
RT: 3.239 min Scan# 22  
Delta R.T. 0.000 min  
Lab File: BN036581.D  
Acq: 11 Mar 2025 14:57

Tgt Ion: 88 Resp: 7390  
Ion Ratio Lower Upper  
88 100  
43 51.9 37.8 56.8  
58 85.1 67.4 101.2

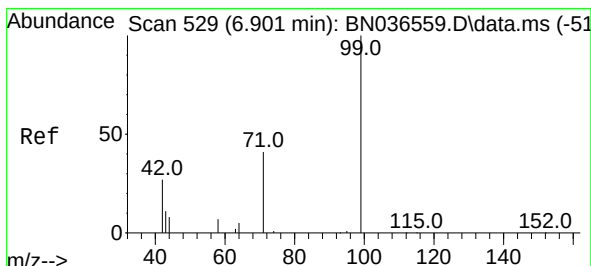
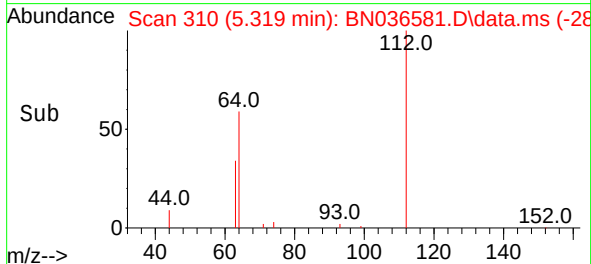
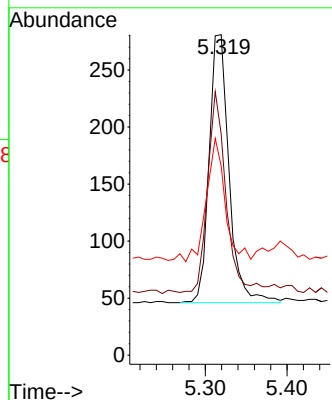
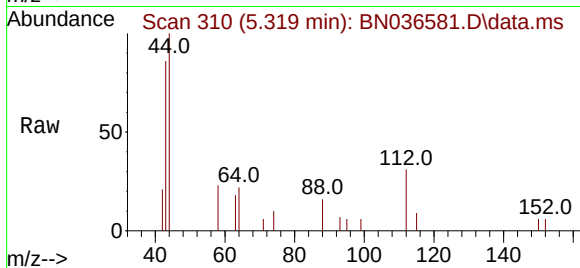




#4  
2-Fluorophenol  
Concen: 0.076 ng  
RT: 5.319 min Scan# 310  
Delta R.T. 0.007 min  
Lab File: BN036581.D  
Acq: 11 Mar 2025 14:57

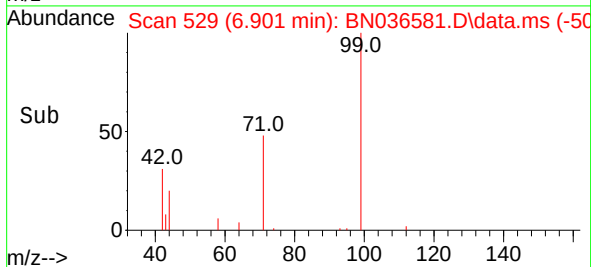
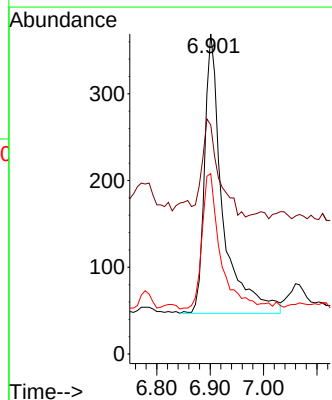
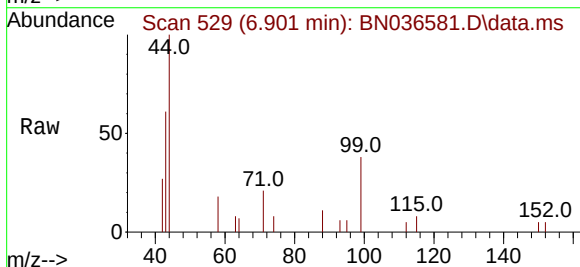
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D1-20250306DL

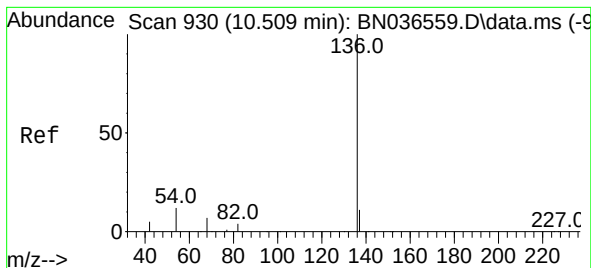
Tgt Ion:112 Resp: 398  
Ion Ratio Lower Upper  
112 100  
64 69.6 53.1 79.7  
63 45.0 31.8 47.8



#5  
Phenol-d6  
Concen: 0.117 ng  
RT: 6.901 min Scan# 529  
Delta R.T. 0.000 min  
Lab File: BN036581.D  
Acq: 11 Mar 2025 14:57

Tgt Ion: 99 Resp: 764  
Ion Ratio Lower Upper  
99 100  
42 32.2 26.5 39.7  
71 47.5 34.1 51.1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.520 min Scan# 91

Delta R.T. 0.011 min

Lab File: BN036581.D

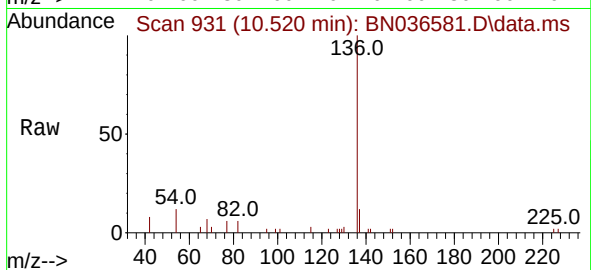
Acq: 11 Mar 2025 14:57

Instrument :

BNA\_N

ClientSampleId :

RE103D1-20250306DL



Tgt Ion:136 Resp: 5271

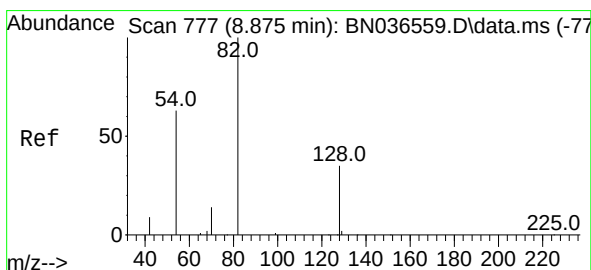
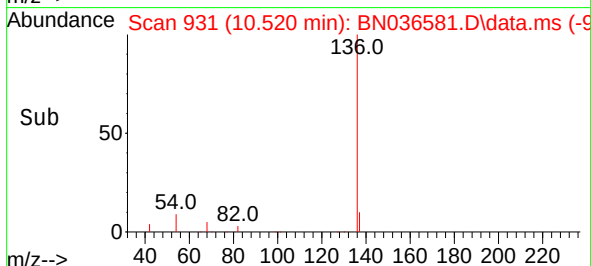
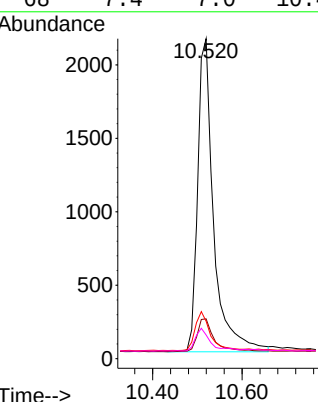
Ion Ratio Lower Upper

136 100

137 12.5 10.3 15.5

54 11.7 11.5 17.3

68 7.4 7.0 10.4



#8

Nitrobenzene-d5

Concen: 0.145 ng

RT: 8.886 min Scan# 778

Delta R.T. 0.011 min

Lab File: BN036581.D

Acq: 11 Mar 2025 14:57

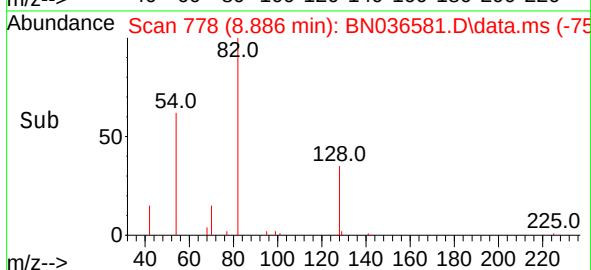
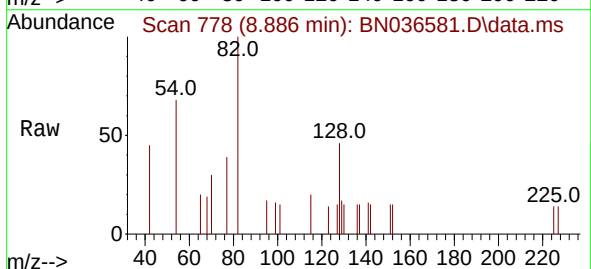
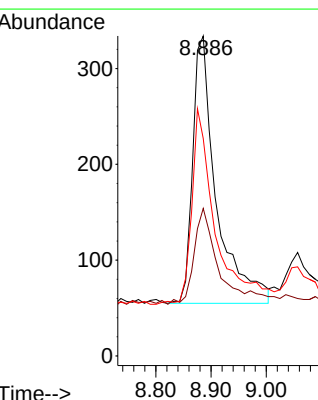
Tgt Ion: 82 Resp: 833

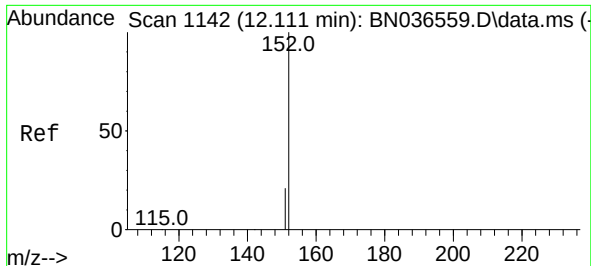
Ion Ratio Lower Upper

82 100

128 46.1 30.6 45.8#

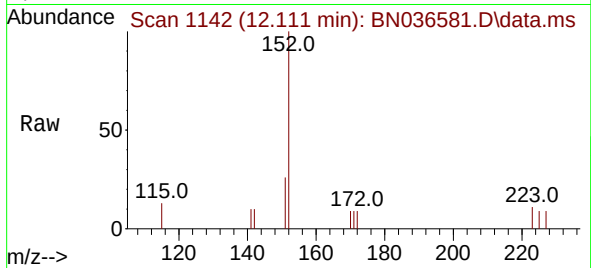
54 68.0 52.2 78.4



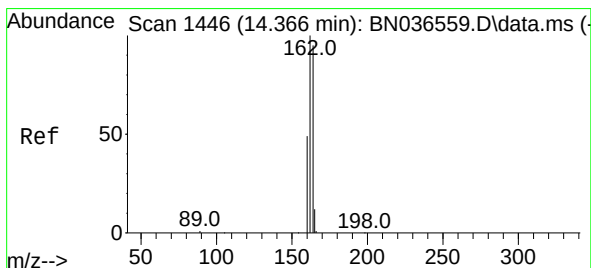
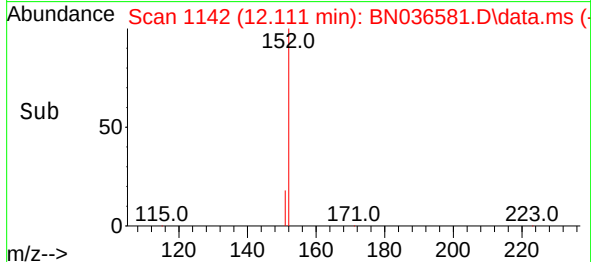
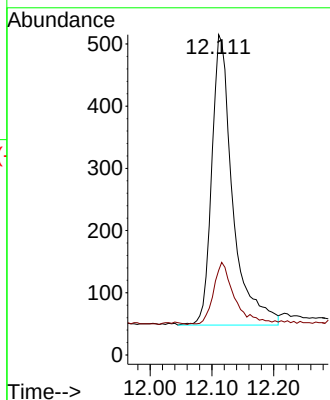


#11  
2-Methylnaphthalene-d10  
Concen: 0.141 ng  
RT: 12.111 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: BN036581.D  
Acq: 11 Mar 2025 14:57

Instrument :  
BNA\_N  
ClientSampleId :  
RE103D1-20250306DL

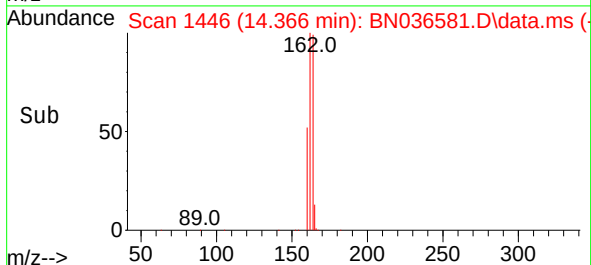
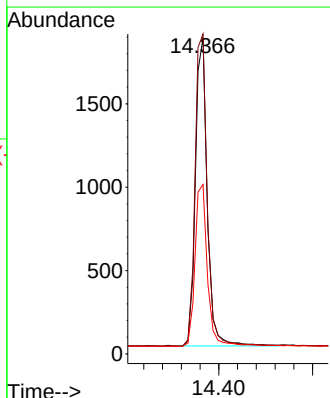
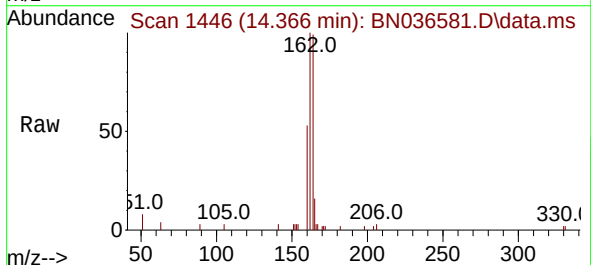


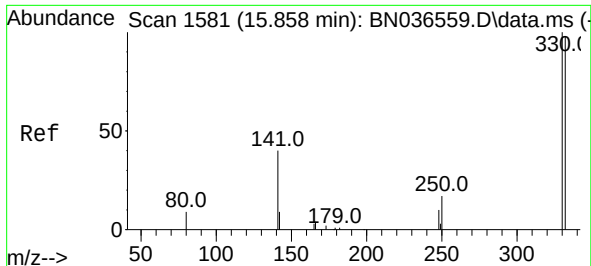
Tgt Ion:152 Resp: 1102  
Ion Ratio Lower Upper  
152 100  
151 21.6 17.0 25.6



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.366 min Scan# 1446  
Delta R.T. 0.000 min  
Lab File: BN036581.D  
Acq: 11 Mar 2025 14:57

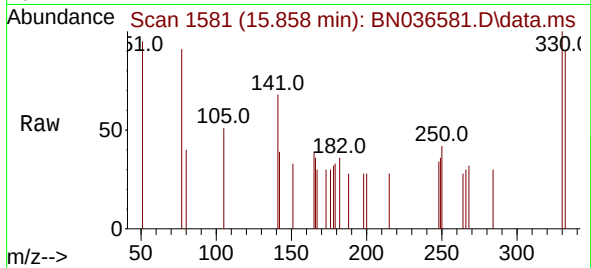
Tgt Ion:164 Resp: 3220  
Ion Ratio Lower Upper  
164 100  
162 101.2 84.2 126.2  
160 53.6 42.2 63.2



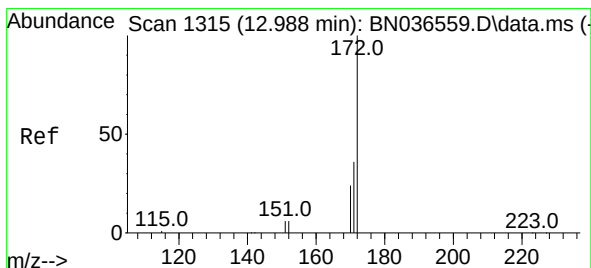
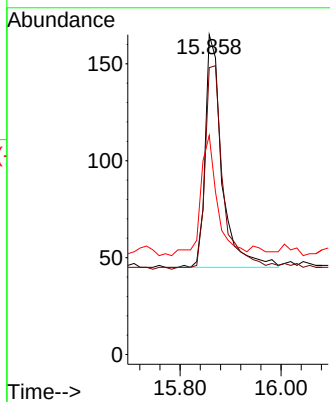
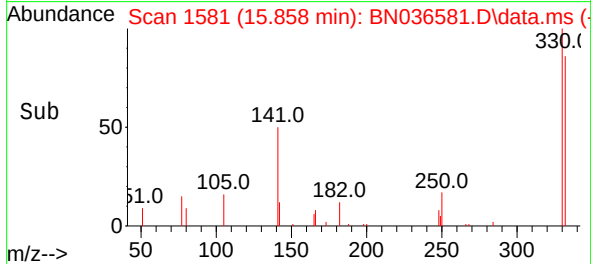


#14  
2,4,6-Tribromophenol  
Concen: 0.189 ng  
RT: 15.858 min Scan# 1581  
Delta R.T. 0.000 min  
Lab File: BN036581.D  
Acq: 11 Mar 2025 14:57

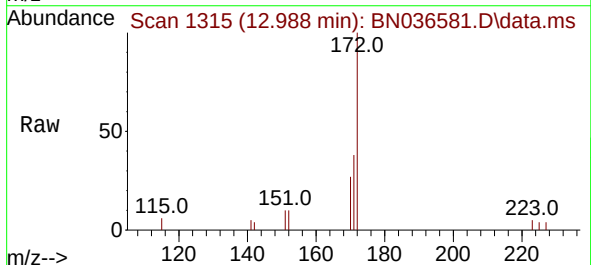
Instrument :  
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ClientSampleId :  
RE103D1-20250306DL



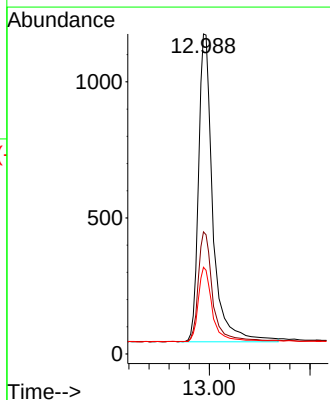
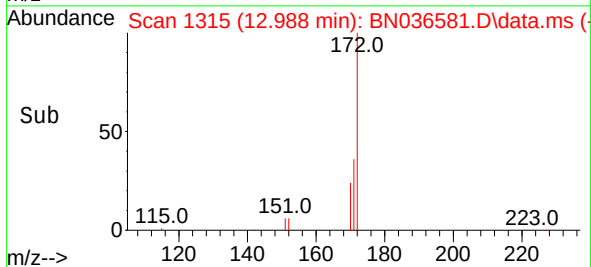
Tgt Ion:330 Resp: 276  
Ion Ratio Lower Upper  
330 100  
332 96.7 75.2 112.8  
141 52.2 43.4 65.2

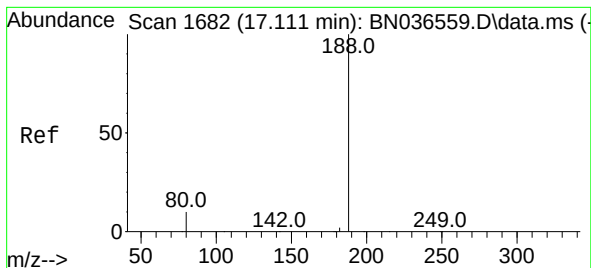


#15  
2-Fluorobiphenyl  
Concen: 0.162 ng  
RT: 12.988 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: BN036581.D  
Acq: 11 Mar 2025 14:57



Tgt Ion:172 Resp: 3032  
Ion Ratio Lower Upper  
172 100  
171 38.2 29.5 44.3  
170 27.1 20.2 30.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.111 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036581.D

Acq: 11 Mar 2025 14:57

Instrument :

BNA\_N

ClientSampleId :

RE103D1-20250306DL

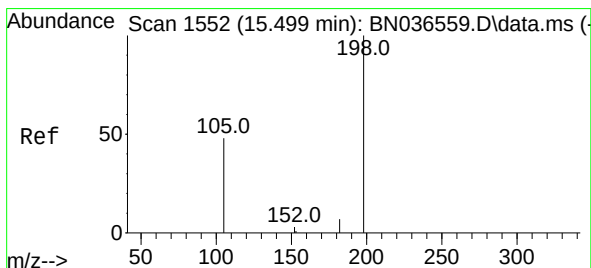
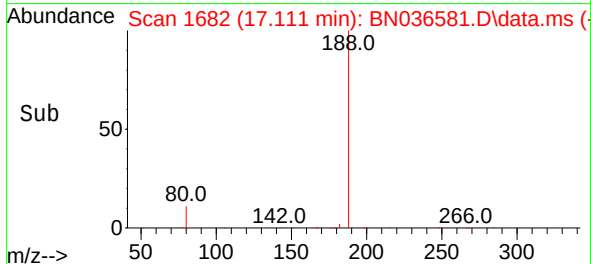
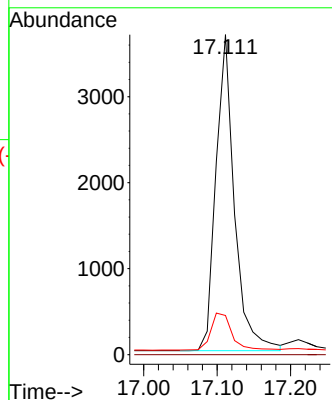
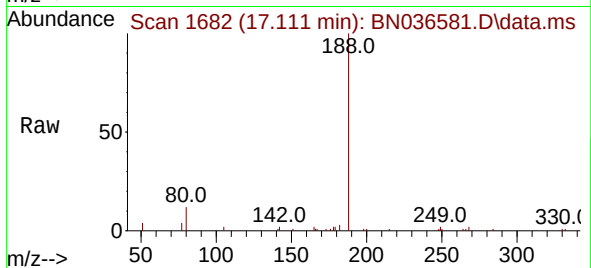
Tgt Ion:188 Resp: 6427

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.2 8.8 13.2



#20

4,6-Dinitro-2-methylphenol

Concen: 0.156 ng

RT: 15.510 min Scan# 1553

Delta R.T. 0.011 min

Lab File: BN036581.D

Acq: 11 Mar 2025 14:57

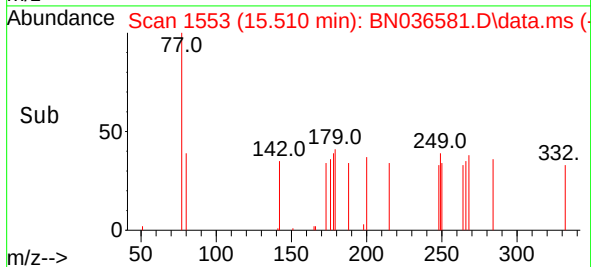
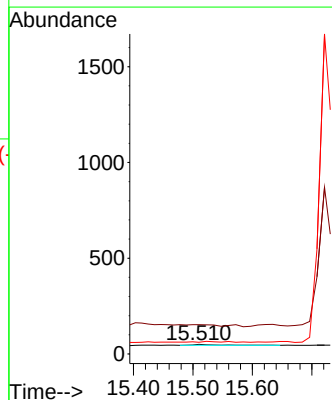
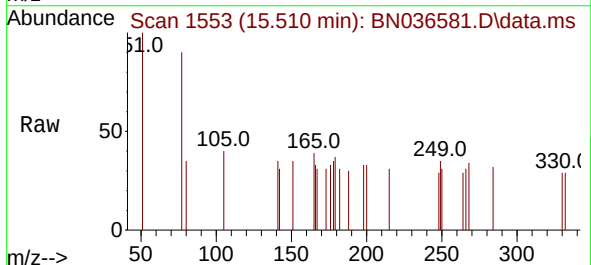
Tgt Ion:198 Resp: 16

Ion Ratio Lower Upper

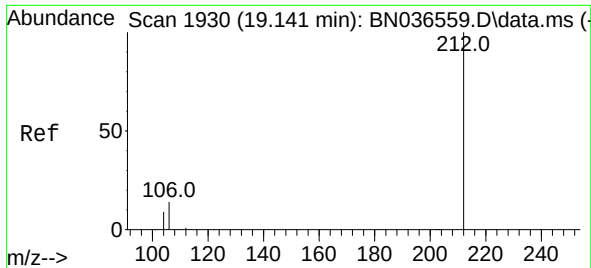
198 100

51 306.0 107.9 161.9#

105 122.0 56.2 84.2#



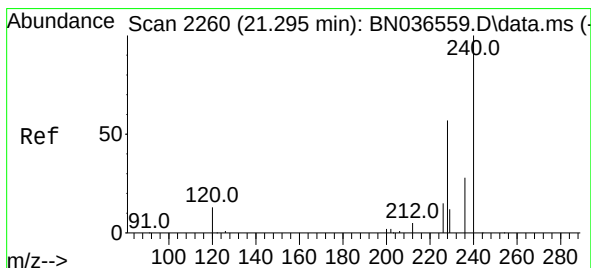
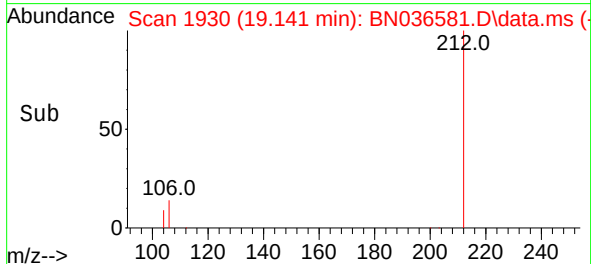
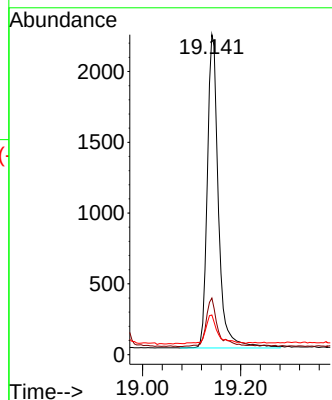
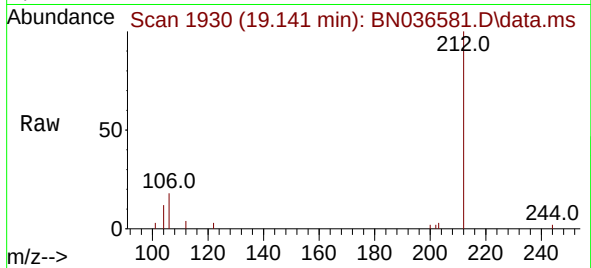




#27  
Fluoranthene-d10  
Concen: 0.211 ng  
RT: 19.141 min Scan# 1930  
Delta R.T. 0.000 min  
Lab File: BN036581.D  
Acq: 11 Mar 2025 14:57

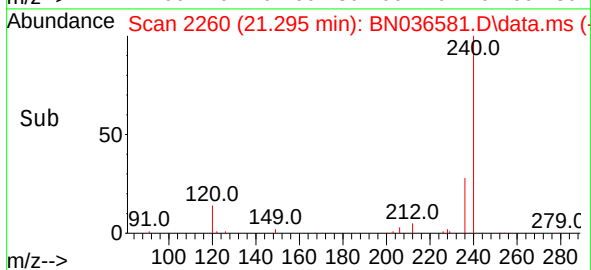
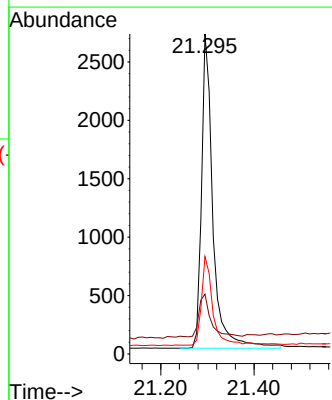
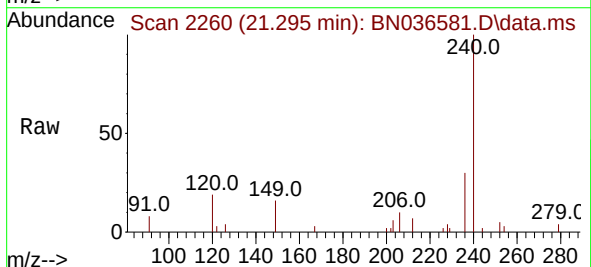
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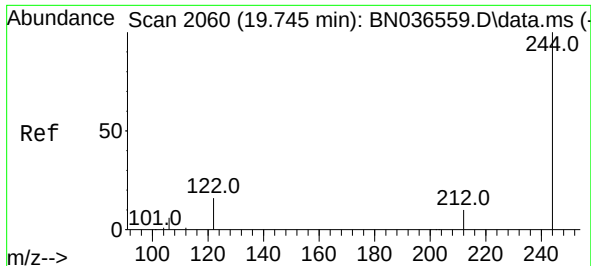
Tgt Ion:212 Resp: 3474  
Ion Ratio Lower Upper  
212 100  
106 16.6 11.8 17.6  
104 9.2 7.3 10.9



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.295 min Scan# 2260  
Delta R.T. 0.000 min  
Lab File: BN036581.D  
Acq: 11 Mar 2025 14:57

Tgt Ion:240 Resp: 4562  
Ion Ratio Lower Upper  
240 100  
120 18.7 14.6 22.0  
236 30.4 24.1 36.1

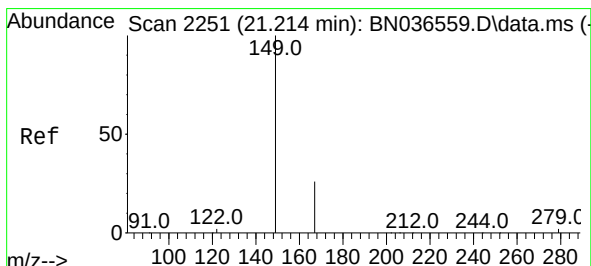
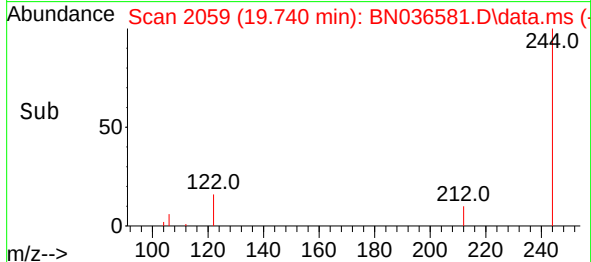
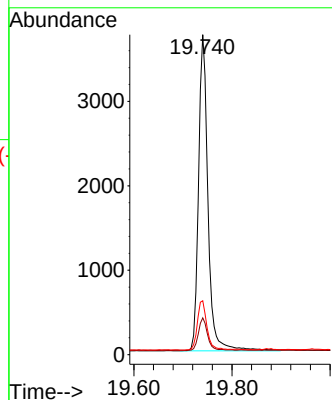
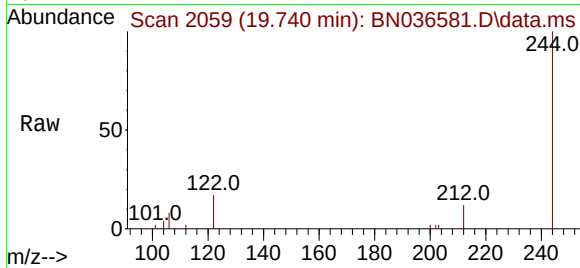




#31  
 Terphenyl-d14  
 Concen: 0.456 ng  
 RT: 19.740 min Scan# 2060  
 Delta R.T. -0.005 min  
 Lab File: BN036581.D  
 Acq: 11 Mar 2025 14:57

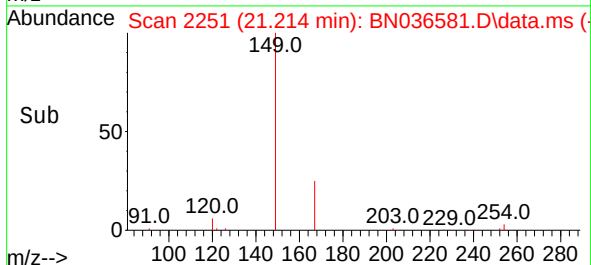
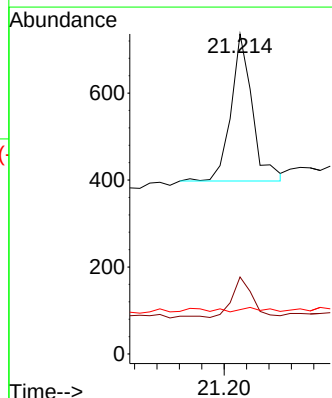
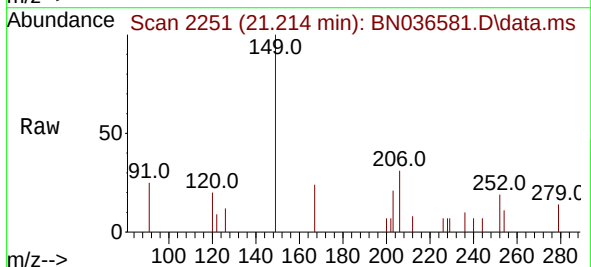
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE103D1-20250306DL

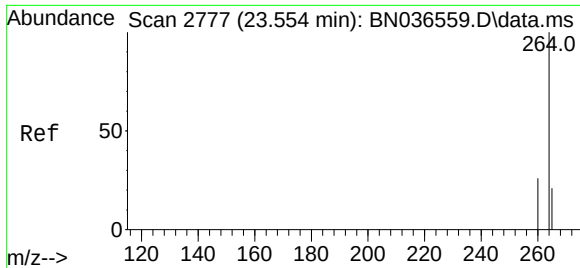
Tgt Ion:244 Resp: 4984  
 Ion Ratio Lower Upper  
 244 100  
 212 11.5 9.6 14.4  
 122 16.8 13.9 20.9



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.039 ng  
 RT: 21.214 min Scan# 2251  
 Delta R.T. 0.000 min  
 Lab File: BN036581.D  
 Acq: 11 Mar 2025 14:57

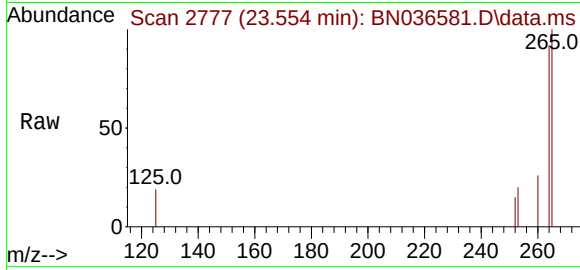
Tgt Ion:149 Resp: 444  
 Ion Ratio Lower Upper  
 149 100  
 167 26.4 20.7 31.1  
 279 3.2 3.6 5.4#





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.554 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN036581.D  
 Acq: 11 Mar 2025 14:57

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE103D1-20250306DL



Tgt Ion:264 Resp: 3613

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 28.4  | 22.6  | 33.8  |
| 265 | 108.6 | 88.1  | 132.1 |

