

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052725\  
 Data File : BN037097.D  
 Acq On : 27 May 2025 21:12  
 Operator : RC/JU  
 Sample : Q2119-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW5-SP100-20250522

Quant Time: May 28 14:45:49 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN051425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 14 11:26:32 2025  
 Response via : Initial Calibration

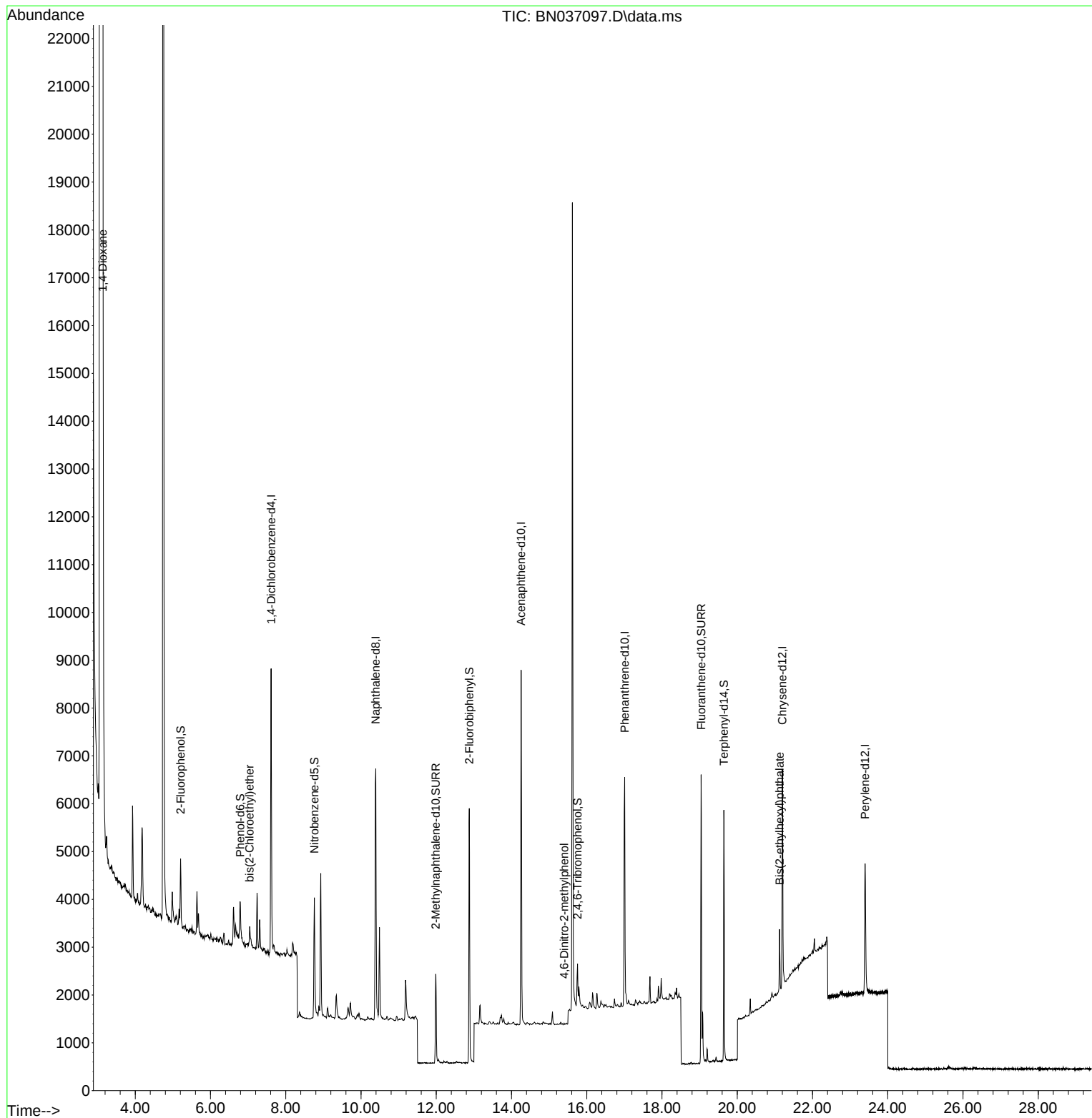
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|-------|-------|-----------|
| -----                         |        |      |          |       |       |           |
| Internal Standards            |        |      |          |       |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 7.611  | 152  | 2703     | 0.400 | ng    | 0.00      |
| 7) Naphthalene-d8             | 10.394 | 136  | 7174     | 0.400 | ng    | -0.01     |
| 13) Acenaphthene-d10          | 14.256 | 164  | 3973     | 0.400 | ng    | -0.01     |
| 19) Phenanthrene-d10          | 17.009 | 188  | 7164     | 0.400 | ng    | # 0.00    |
| 29) Chrysene-d12              | 21.198 | 240  | 4436     | 0.400 | ng    | 0.00      |
| 35) Perylene-d12              | 23.398 | 264  | 3806     | 0.400 | ng    | #-0.02    |
| System Monitoring Compounds   |        |      |          |       |       |           |
| 4) 2-Fluorophenol             | 5.206  | 112  | 915      | 0.129 | ng    | 0.00      |
| 5) Phenol-d6                  | 6.788  | 99   | 659      | 0.074 | ng    | 0.00      |
| 8) Nitrobenzene-d5            | 8.760  | 82   | 2162     | 0.277 | ng    | -0.01     |
| 11) 2-Methylnaphthalene-d10   | 11.986 | 152  | 2783     | 0.276 | ng    | 0.00      |
| 14) 2,4,6-Tribromophenol      | 15.755 | 330  | 486      | 0.279 | ng    | -0.01     |
| 15) 2-Fluorobiphenyl          | 12.878 | 172  | 5292     | 0.291 | ng    | 0.00      |
| 27) Fluoranthene-d10          | 19.040 | 212  | 6452     | 0.328 | ng    | 0.00      |
| 31) Terphenyl-d14             | 19.644 | 244  | 4937     | 0.520 | ng    | -0.01     |
| Target Compounds              |        |      |          |       |       |           |
| 2) 1,4-Dioxane                | 3.133  | 88   | 17841    | 5.379 | ng    | Qvalue 96 |
| 6) bis(2-Chloroethyl)ether    | 7.041  | 93   | 295      | 0.036 | ng    | 86        |
| 20) 4,6-Dinitro-2-methylph... | 15.400 | 198  | 4        | 0.026 | ng    | # 1       |
| 34) Bis(2-ethylhexyl)phtha... | 21.126 | 149  | 1256     | 0.122 | ng    | 97        |
| -----                         |        |      |          |       |       |           |

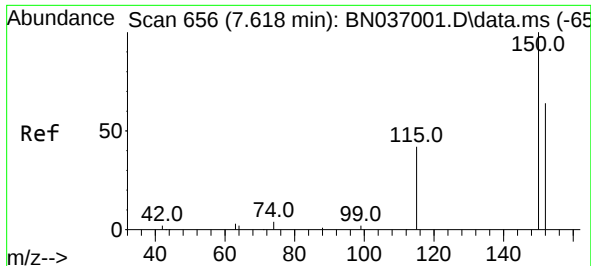
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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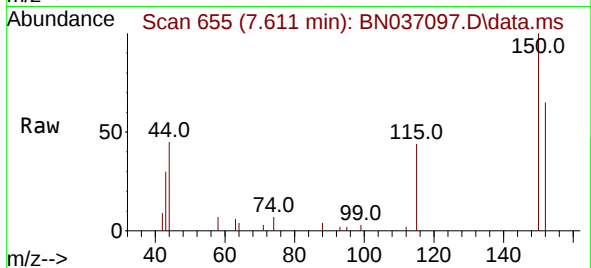
Quant Time: May 28 14:45:49 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN051425.M  
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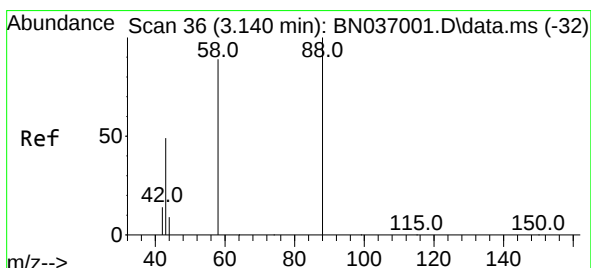
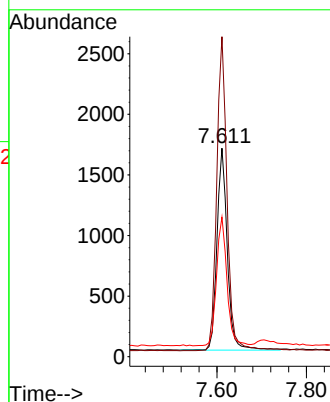
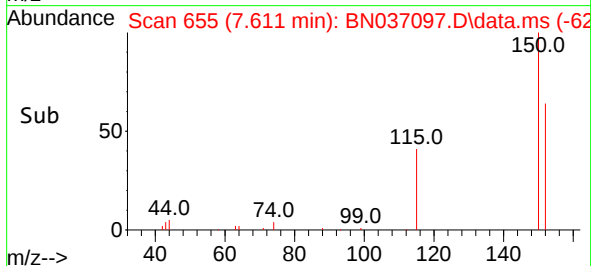
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.611 min Scan# 61  
 Delta R.T. -0.007 min  
 Lab File: BN037097.D  
 Acq: 27 May 2025 21:12

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 RW5-SP100-20250522

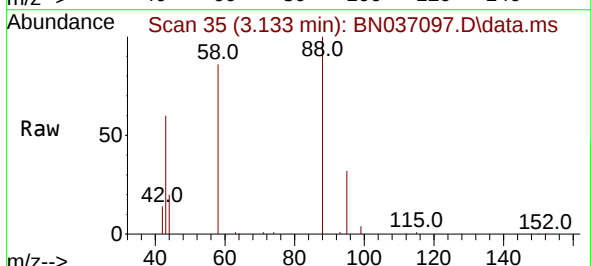


Tgt Ion:152 Resp: 2703

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 153.5 | 123.9 | 185.9 |
| 115 | 66.9  | 55.8  | 83.8  |

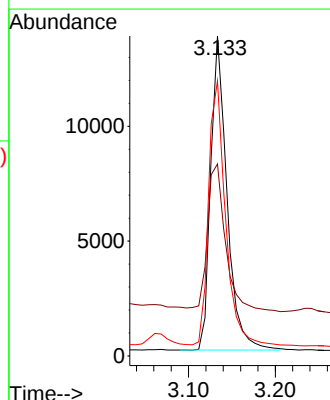
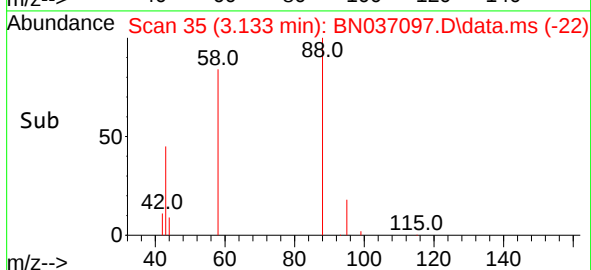


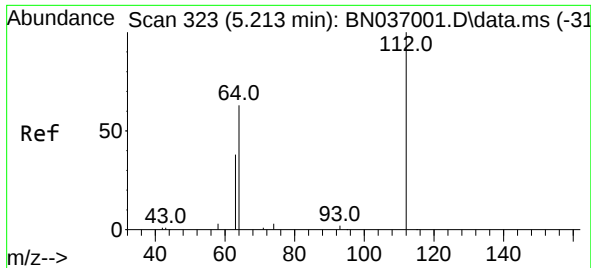
#2  
 1,4-Dioxane  
 Concen: 5.379 ng  
 RT: 3.133 min Scan# 35  
 Delta R.T. -0.007 min  
 Lab File: BN037097.D  
 Acq: 27 May 2025 21:12



Tgt Ion: 88 Resp: 17841

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 52.7  | 37.4  | 56.0  |
| 58  | 86.8  | 68.8  | 103.2 |

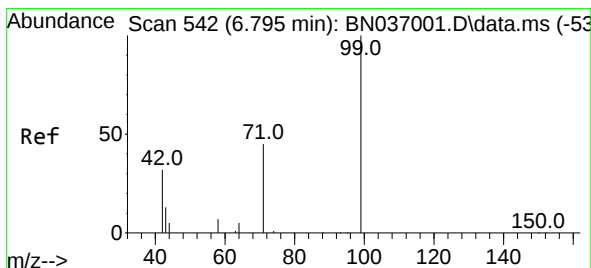
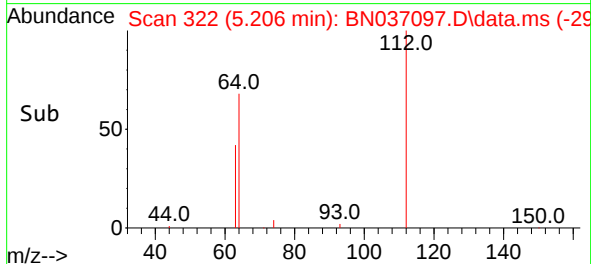
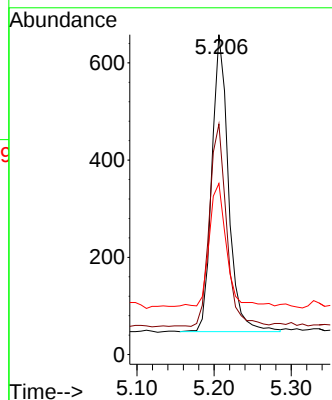
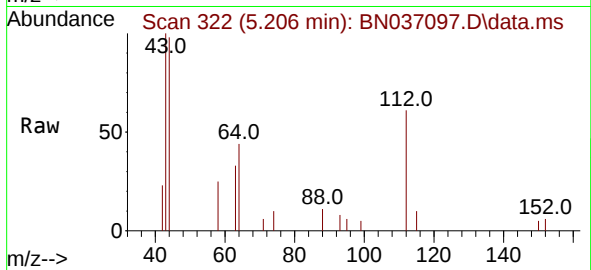




#4  
2-Fluorophenol  
Concen: 0.129 ng  
RT: 5.206 min Scan# 31  
Delta R.T. -0.007 min  
Lab File: BN037097.D  
Acq: 27 May 2025 21:12

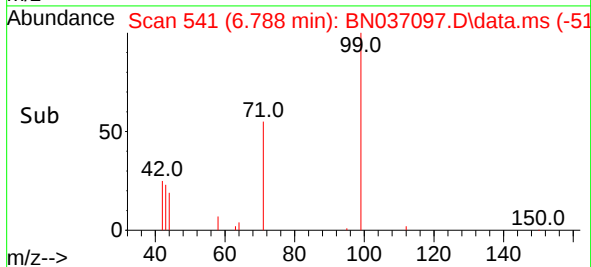
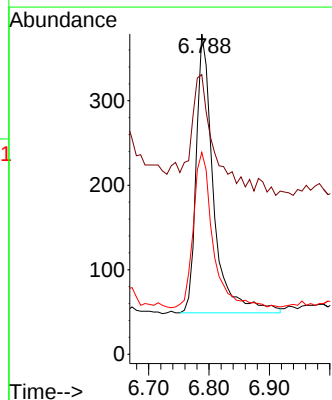
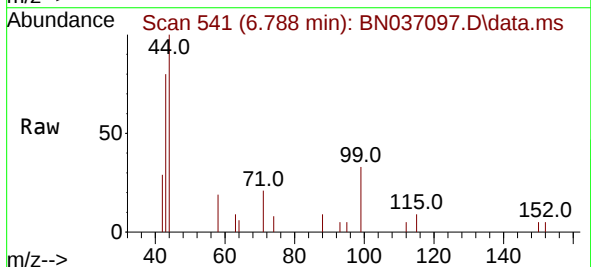
Instrument :  
BNA\_N  
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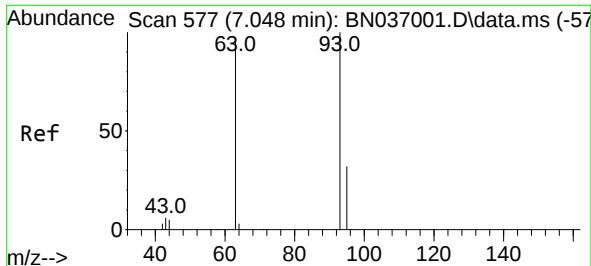
Tgt Ion:112 Resp: 915  
Ion Ratio Lower Upper  
112 100  
64 71.1 55.7 83.5  
63 44.2 34.6 51.8



#5  
Phenol-d6  
Concen: 0.074 ng  
RT: 6.788 min Scan# 541  
Delta R.T. -0.007 min  
Lab File: BN037097.D  
Acq: 27 May 2025 21:12

Tgt Ion: 99 Resp: 659  
Ion Ratio Lower Upper  
99 100  
42 51.3 29.3 43.9#  
71 63.3 35.7 53.5#

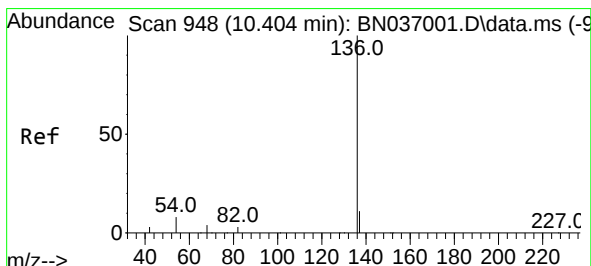
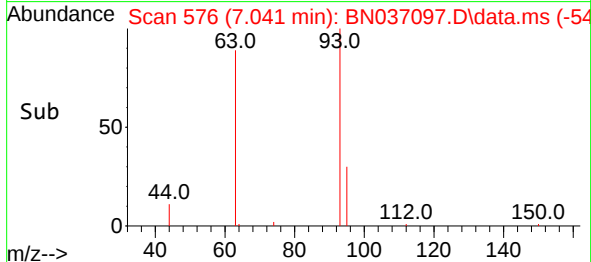
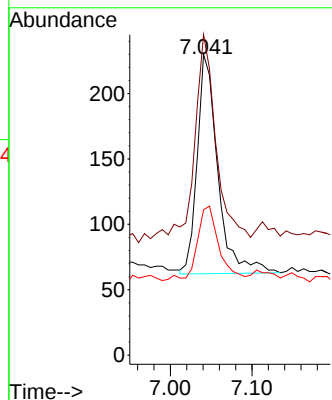
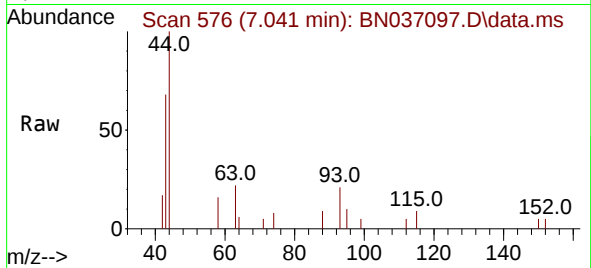




#6  
bis(2-Chloroethyl)ether  
Concen: 0.036 ng  
RT: 7.041 min Scan# 51  
Delta R.T. -0.007 min  
Lab File: BN037097.D  
Acq: 27 May 2025 21:12

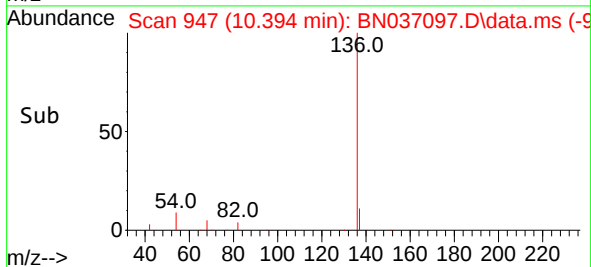
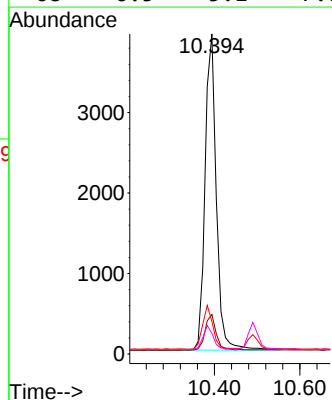
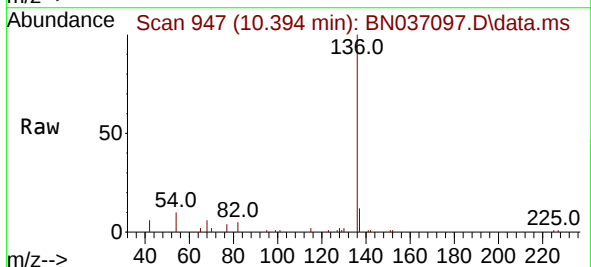
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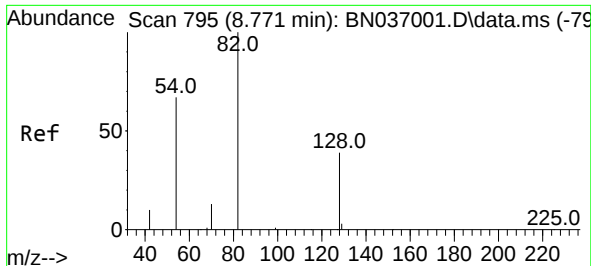
Tgt Ion: 93 Resp: 295  
Ion Ratio Lower Upper  
93 100  
63 103.4 70.1 105.1  
95 35.9 26.2 39.2



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.394 min Scan# 947  
Delta R.T. -0.010 min  
Lab File: BN037097.D  
Acq: 27 May 2025 21:12

Tgt Ion: 136 Resp: 7174  
Ion Ratio Lower Upper  
136 100  
137 12.3 10.4 15.6  
54 10.2 8.5 12.7  
68 6.5 5.1 7.7

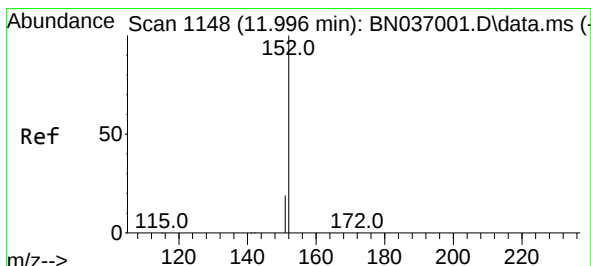
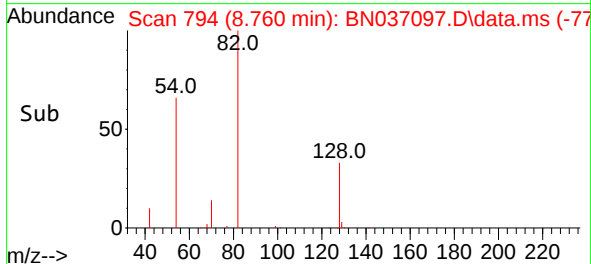
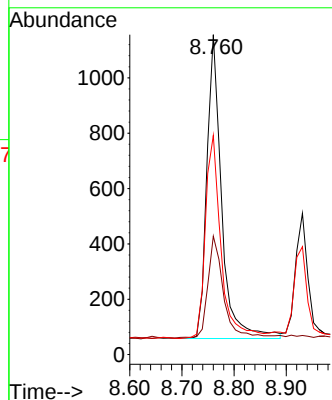
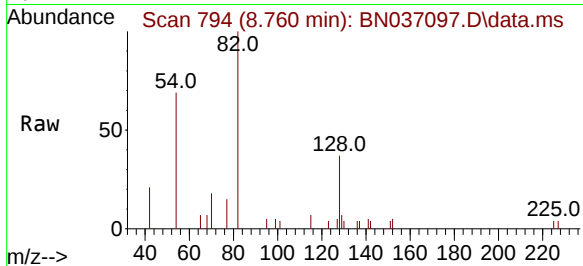




#8  
 Nitrobenzene-d5  
 Concen: 0.277 ng  
 RT: 8.760 min Scan# 795  
 Delta R.T. -0.010 min  
 Lab File: BN037097.D  
 Acq: 27 May 2025 21:12

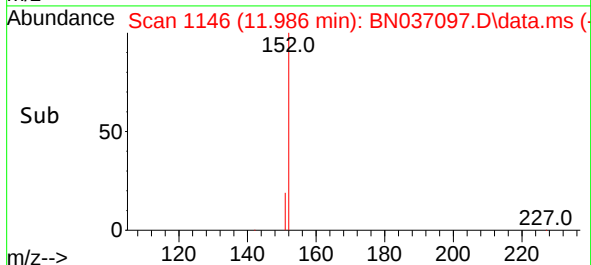
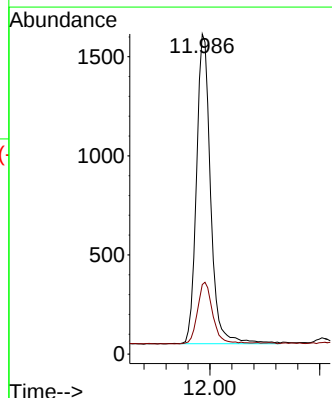
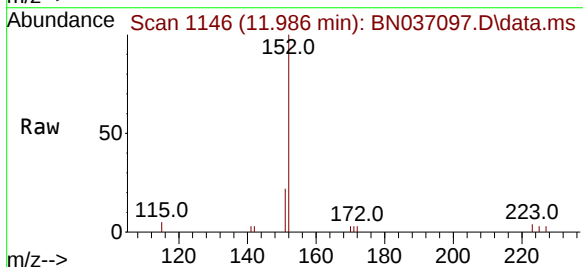
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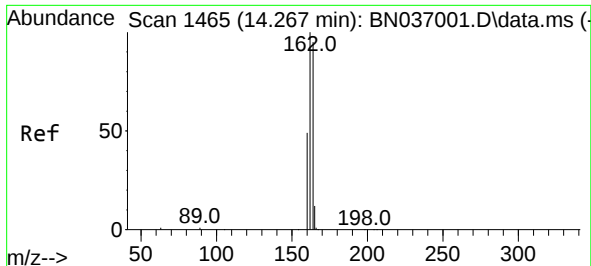
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 2162  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 37.0  | 34.0  | 51.0  |
| 54       | 68.5  | 55.0  | 82.4  |



#11  
 2-Methylnaphthalene-d10  
 Concen: 0.276 ng  
 RT: 11.986 min Scan# 1146  
 Delta R.T. -0.010 min  
 Lab File: BN037097.D  
 Acq: 27 May 2025 21:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 2783  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 21.7  | 17.5  | 26.3  |

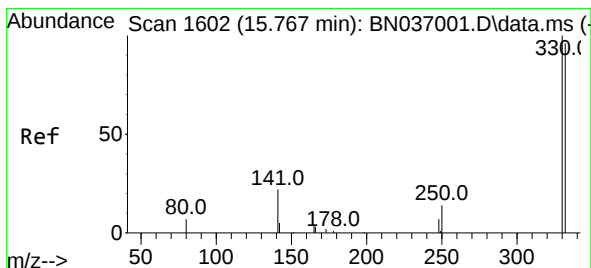
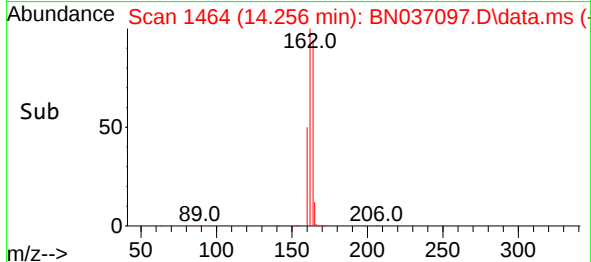
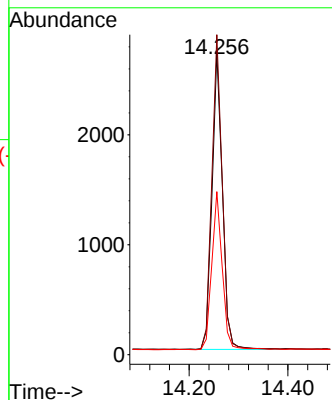
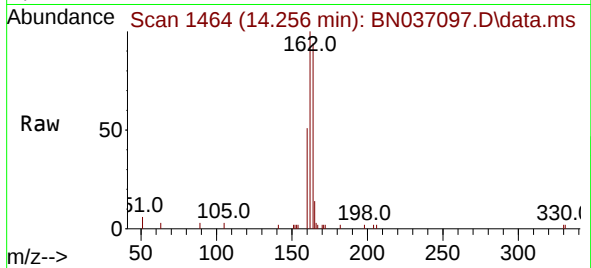




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.256 min Scan# 1464  
Delta R.T. -0.011 min  
Lab File: BN037097.D  
Acq: 27 May 2025 21:12

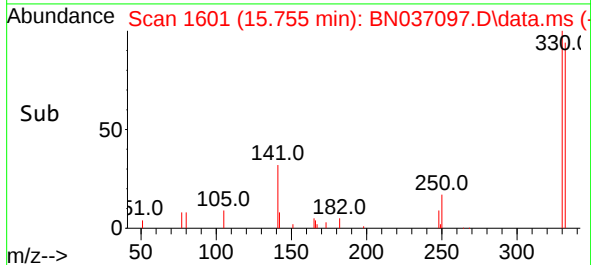
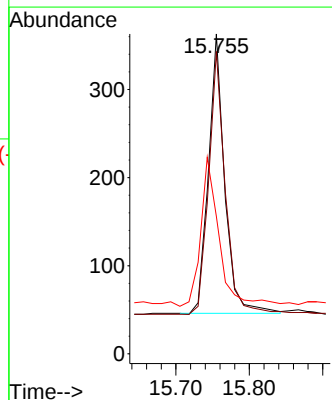
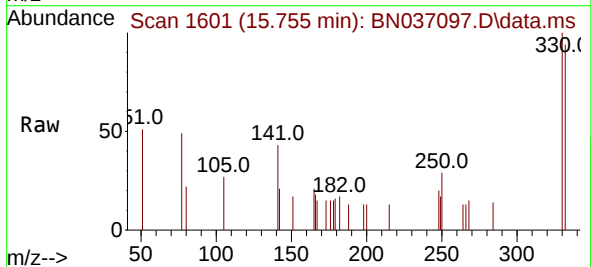
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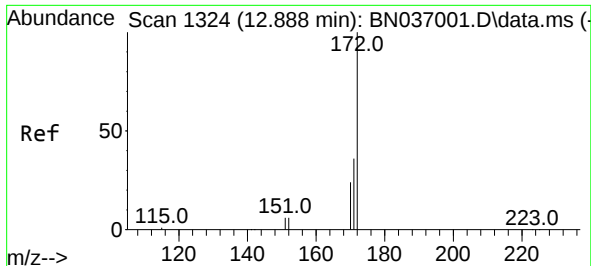
Tgt Ion:164 Resp: 3973  
Ion Ratio Lower Upper  
164 100  
162 105.9 84.2 126.4  
160 54.0 42.6 63.8



#14  
2,4,6-Tribromophenol  
Concen: 0.279 ng  
RT: 15.755 min Scan# 1601  
Delta R.T. -0.012 min  
Lab File: BN037097.D  
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Tgt Ion:330 Resp: 486  
Ion Ratio Lower Upper  
330 100  
332 97.3 73.8 110.8  
141 61.3 43.9 65.9

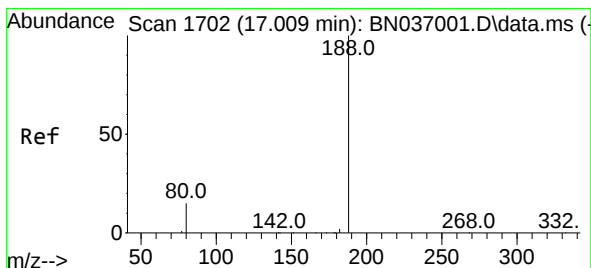
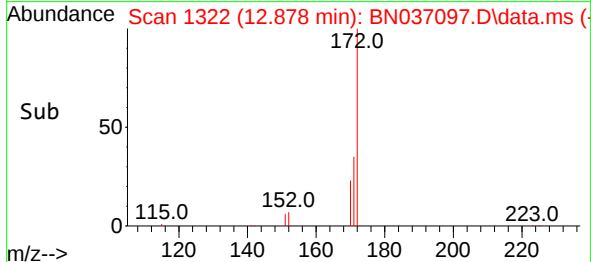
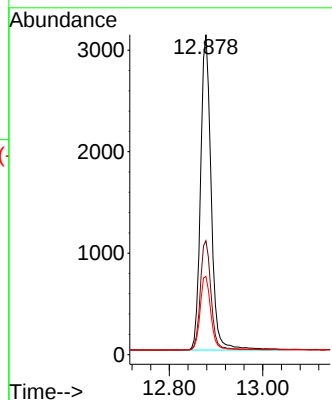
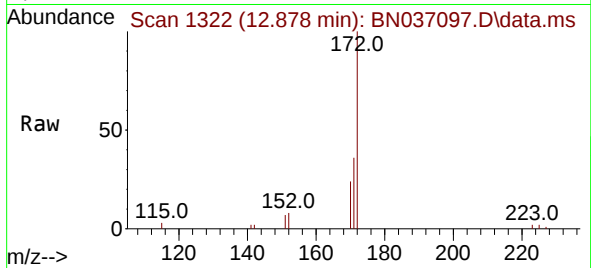




#15  
2-Fluorobiphenyl  
Concen: 0.291 ng  
RT: 12.878 min Scan# 11  
Delta R.T. -0.010 min  
Lab File: BN037097.D  
Acq: 27 May 2025 21:12

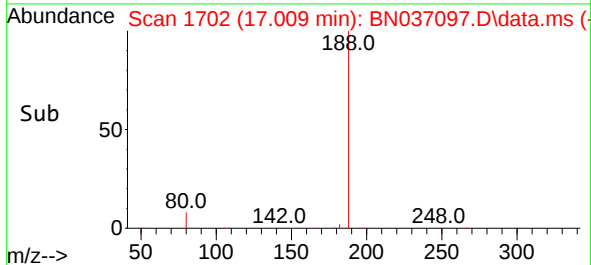
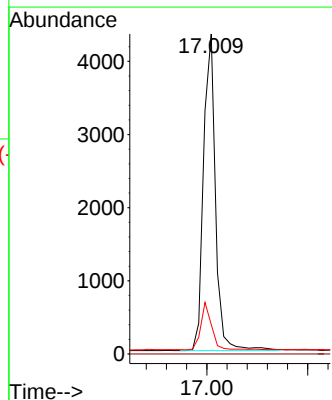
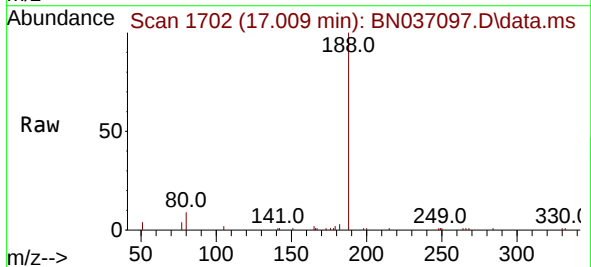
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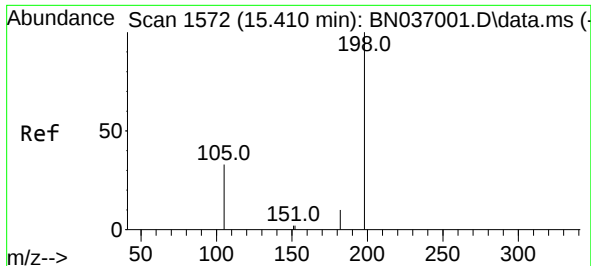
Tgt Ion:172 Resp: 5292  
Ion Ratio Lower Upper  
172 100  
171 35.6 29.2 43.8  
170 24.5 20.5 30.7



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.009 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: BN037097.D  
Acq: 27 May 2025 21:12

Tgt Ion:188 Resp: 7164  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.2 13.4 20.0#

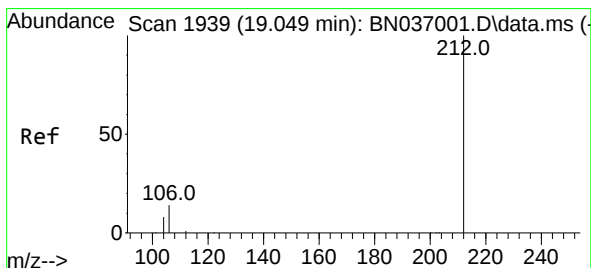
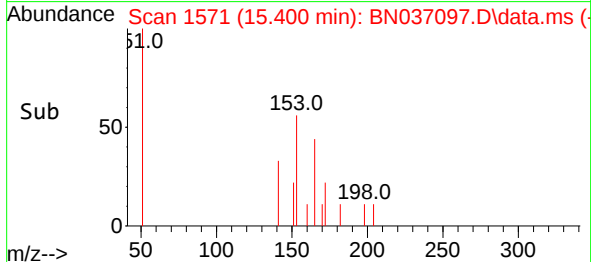
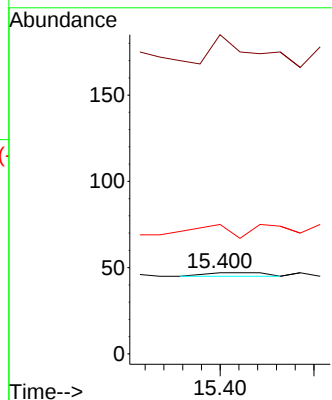
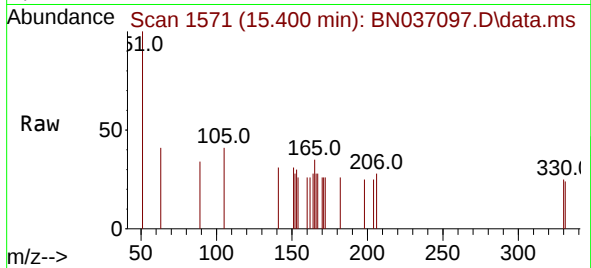




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.026 ng  
RT: 15.400 min Scan# 11  
Delta R.T. -0.010 min  
Lab File: BN037097.D  
Acq: 27 May 2025 21:12

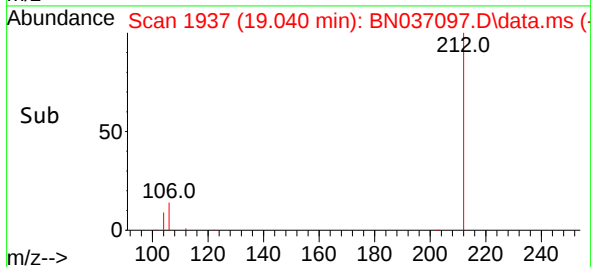
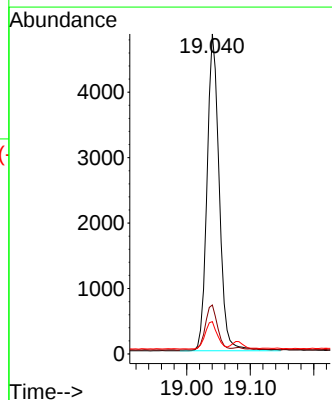
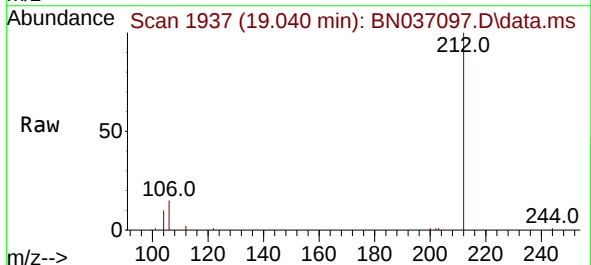
Instrument :  
BNA\_N  
ClientSampleId :  
RW5-SP100-20250522

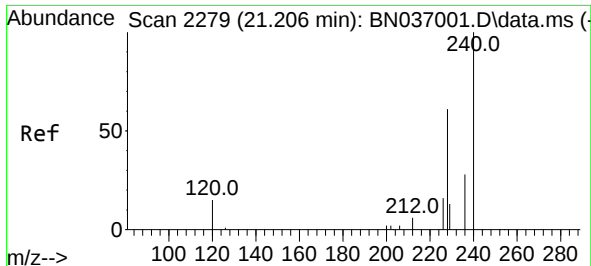
Tgt Ion:198 Resp: 4  
Ion Ratio Lower Upper  
198 100  
51 393.6 87.8 131.6#  
105 159.6 44.2 66.4#



#27  
Fluoranthene-d10  
Concen: 0.328 ng  
RT: 19.040 min Scan# 1937  
Delta R.T. -0.009 min  
Lab File: BN037097.D  
Acq: 27 May 2025 21:12

Tgt Ion:212 Resp: 6452  
Ion Ratio Lower Upper  
212 100  
106 14.1 11.3 16.9  
104 8.6 6.7 10.1





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.198 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037097.D

Acq: 27 May 2025 21:12

Instrument :

BNA\_N

ClientSampleId :

RW5-SP100-20250522

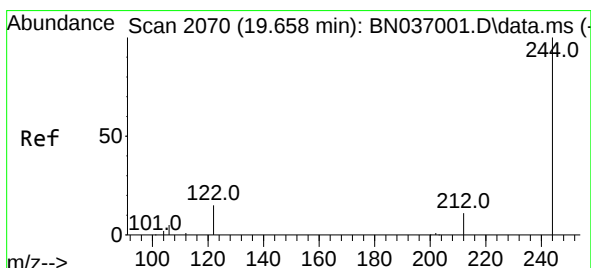
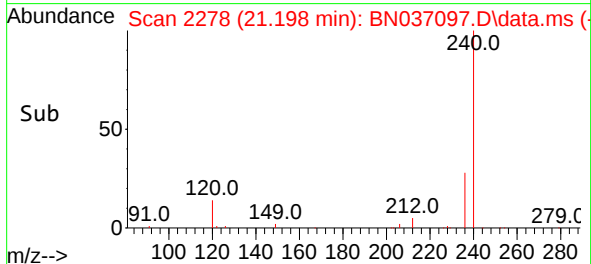
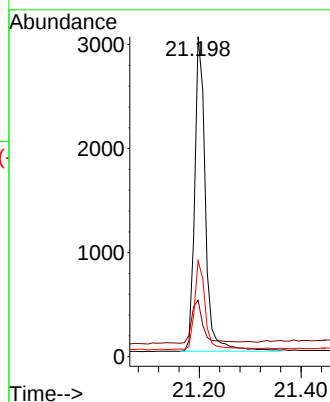
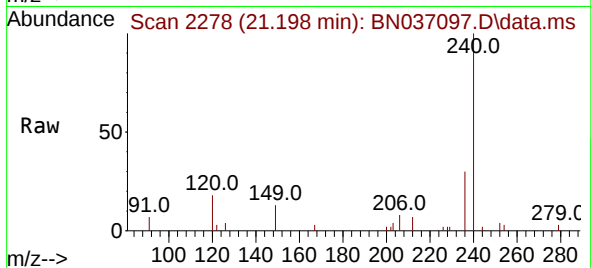
Tgt Ion:240 Resp: 4436

Ion Ratio Lower Upper

240 100

120 17.7 15.1 22.7

236 30.0 24.0 36.0



#31

Terphenyl-d14

Concen: 0.520 ng

RT: 19.644 min Scan# 2067

Delta R.T. -0.014 min

Lab File: BN037097.D

Acq: 27 May 2025 21:12

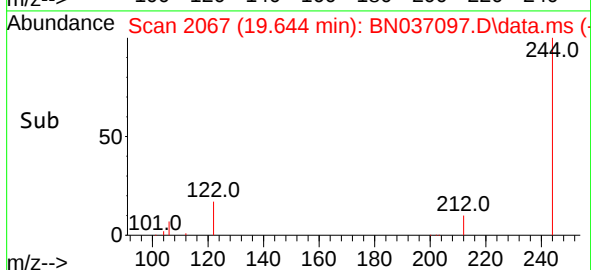
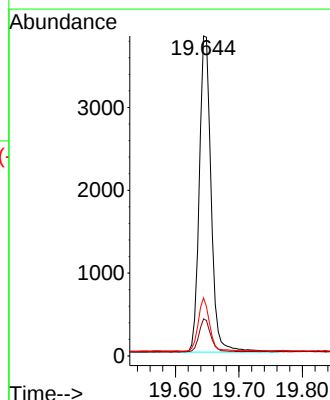
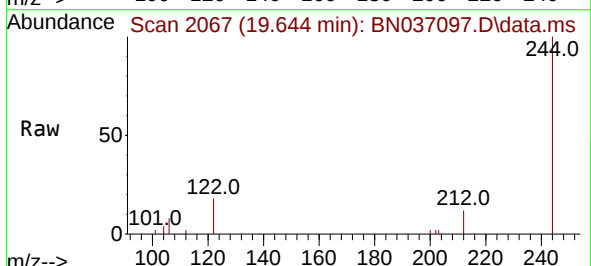
Tgt Ion:244 Resp: 4937

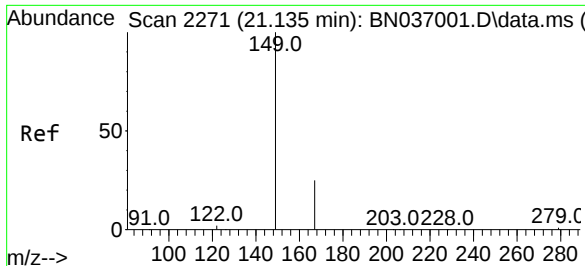
Ion Ratio Lower Upper

244 100

212 11.6 9.7 14.5

122 18.1 13.4 20.0

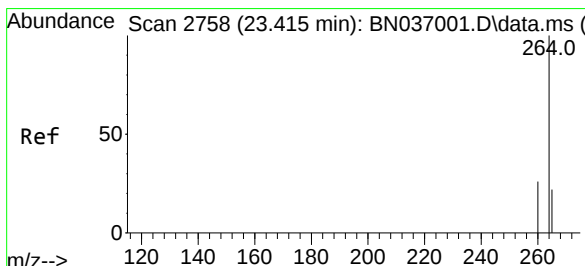
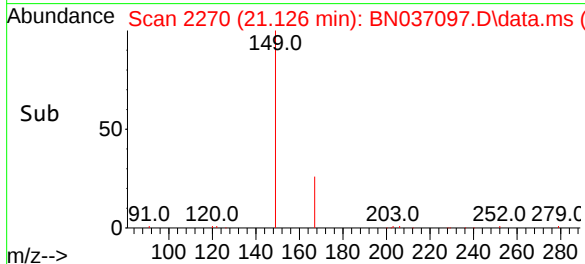
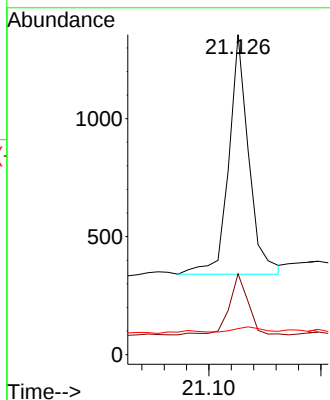
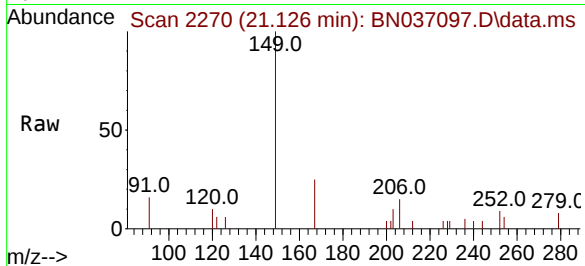




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.122 ng  
RT: 21.126 min Scan# 211  
Delta R.T. -0.009 min  
Lab File: BN037097.D  
Acq: 27 May 2025 21:12

Instrument :  
BNA\_N  
ClientSampleId :  
RW5-SP100-20250522

Tgt Ion:149 Resp: 1256  
Ion Ratio Lower Upper  
149 100  
167 24.0 20.6 30.8  
279 2.7 2.6 3.8



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.398 min Scan# 2752  
Delta R.T. -0.017 min  
Lab File: BN037097.D  
Acq: 27 May 2025 21:12

Tgt Ion:264 Resp: 3806  
Ion Ratio Lower Upper  
264 100  
260 27.0 21.9 32.9  
265 80.0 51.6 77.4#

