

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031725\  
 Data File : BN036664.D  
 Acq On : 17 Mar 2025 17:55  
 Operator : RC/JU  
 Sample : Q1582-06  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE131D1-20250313

Quant Time: Mar 18 00:54:48 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

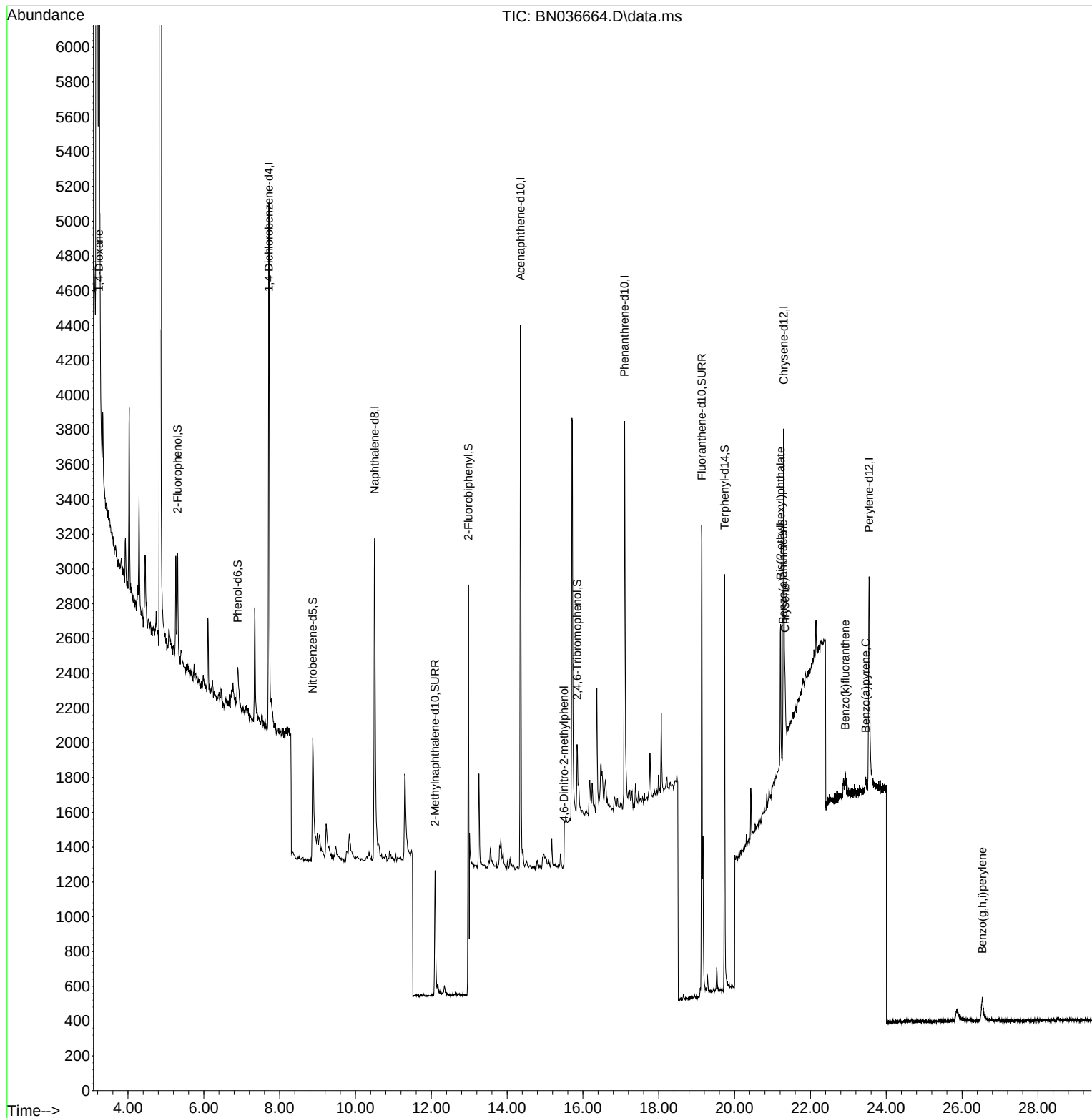
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 1388     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.509 | 136  | 3220     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.356 | 164  | 1815     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.099 | 188  | 3277     | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.295 | 240  | 2281     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.546 | 264  | 2088     | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.312  | 112  | 457      | 0.141 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.894  | 99   | 276      | 0.069 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.875  | 82   | 1004     | 0.287 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.101 | 152  | 1266     | 0.264 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.845 | 330  | 270      | 0.328 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.978 | 172  | 3280     | 0.311 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.132 | 212  | 3419     | 0.407 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.736 | 244  | 2465     | 0.451 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.232  | 88   | 13781    | 8.950 | ng    | 96       |
| 20) 4,6-Dinitro-2-methylph... | 15.499 | 198  | 3        | 0.149 | ng    | # 1      |
| 32) Benzo(a)anthracene        | 21.277 | 228  | 162      | 0.020 | ng    | # 45     |
| 33) Chrysene                  | 21.331 | 228  | 258      | 0.030 | ng    | # 54     |
| 34) Bis(2-ethylhexyl)phtha... | 21.214 | 149  | 919      | 0.163 | ng    | # 97     |
| 38) Benzo(k)fluoranthene      | 22.920 | 252  | 180      | 0.023 | ng    | # 1      |
| 39) Benzo(a)pyrene            | 23.458 | 252  | 138      | 0.022 | ng    | # 1      |
| 41) Benzo(g,h,i)perylene      | 26.537 | 276  | 320      | 0.048 | ng    | # 49     |
| -----                         |        |      |          |       |       |          |

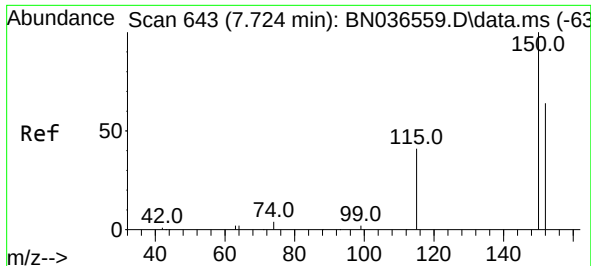
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031725\  
Data File : BN036664.D  
Acq On : 17 Mar 2025 17:55  
Operator : RC/JU  
Sample : Q1582-06  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20250313

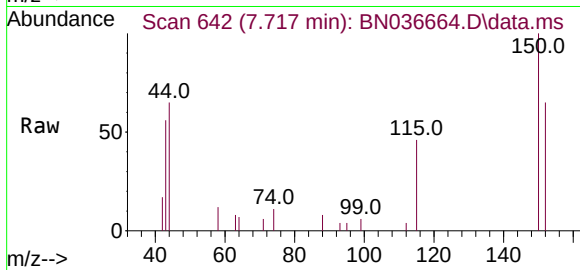
Quant Time: Mar 18 00:54:48 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 10 16:06:28 2025  
Response via : Initial Calibration



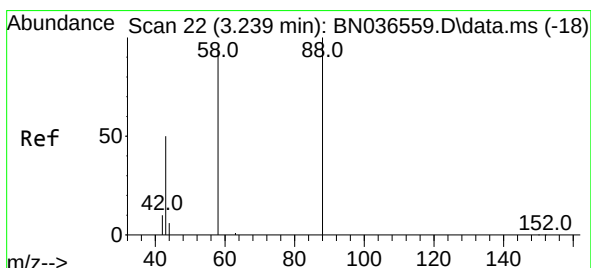
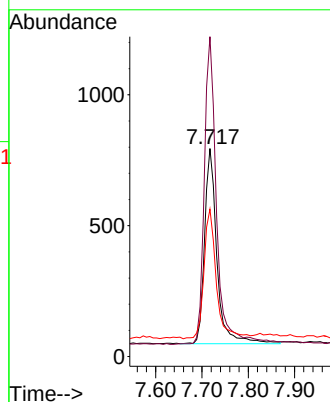
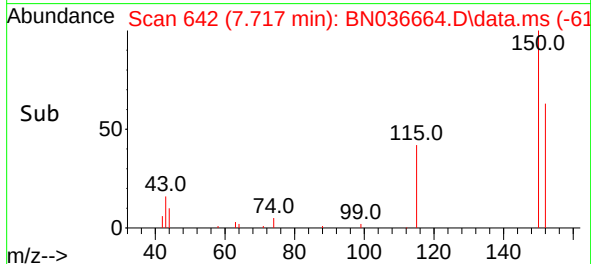


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.717 min Scan# 64  
 Delta R.T. -0.007 min  
 Lab File: BN036664.D  
 Acq: 17 Mar 2025 17:55

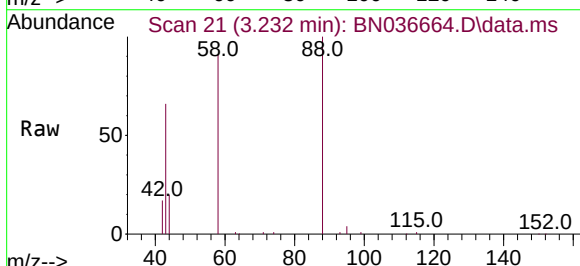
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 ClientSampleId :  
 RE131D1-20250313



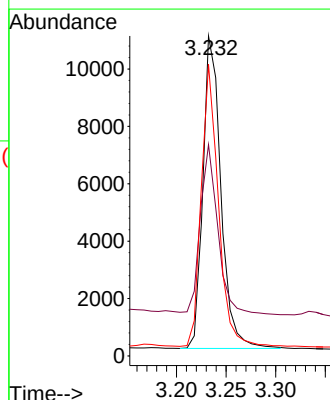
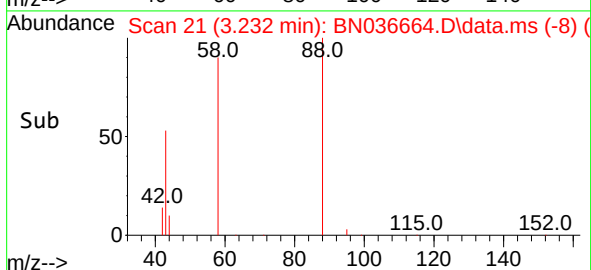
Tgt Ion:152 Resp: 1388  
 Ion Ratio Lower Upper  
 152 100  
 150 153.7 123.7 185.5  
 115 70.8 54.3 81.5

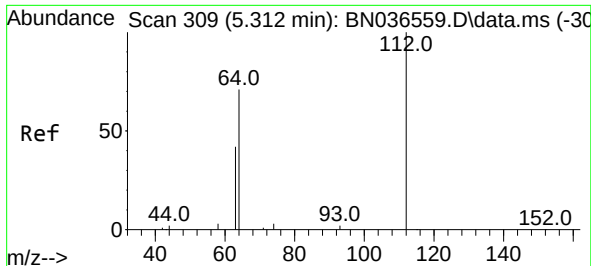


#2  
 1,4-Dioxane  
 Concen: 8.950 ng  
 RT: 3.232 min Scan# 21  
 Delta R.T. -0.007 min  
 Lab File: BN036664.D  
 Acq: 17 Mar 2025 17:55



Tgt Ion: 88 Resp: 13781  
 Ion Ratio Lower Upper  
 88 100  
 43 53.2 37.8 56.8  
 58 85.4 67.4 101.2

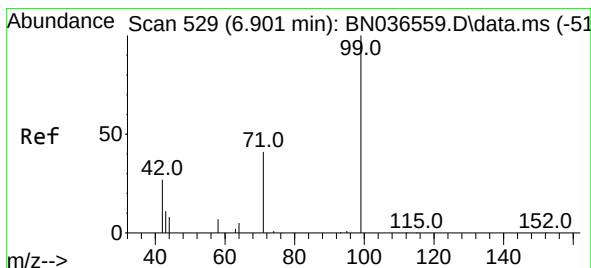
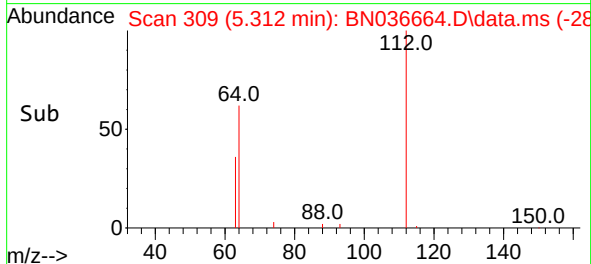
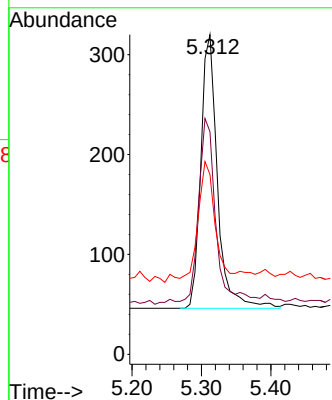
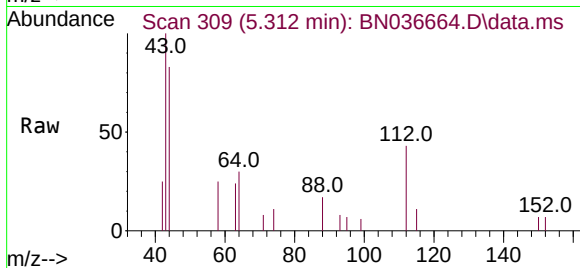




#4  
2-Fluorophenol  
Concen: 0.141 ng  
RT: 5.312 min Scan# 309  
Delta R.T. 0.000 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

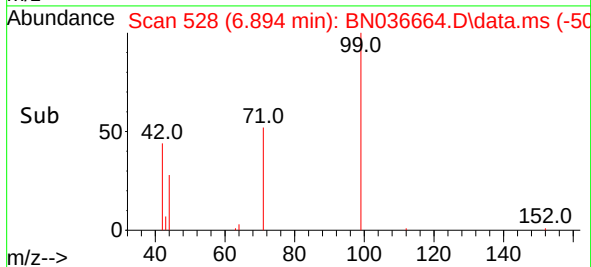
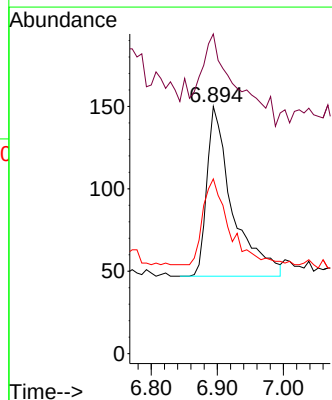
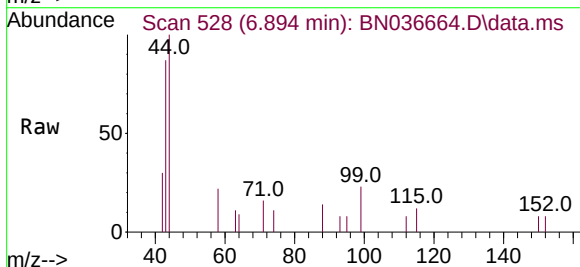
Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20250313

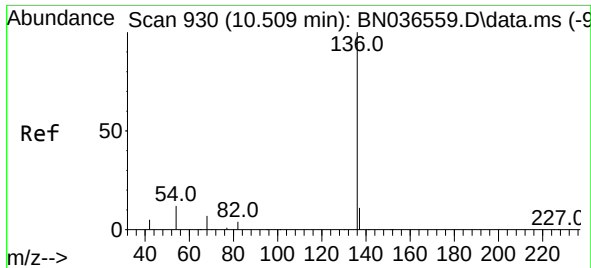
Tgt Ion:112 Resp: 457  
Ion Ratio Lower Upper  
112 100  
64 66.7 53.1 79.7  
63 47.0 31.8 47.8



#5  
Phenol-d6  
Concen: 0.069 ng  
RT: 6.894 min Scan# 528  
Delta R.T. -0.007 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

Tgt Ion: 99 Resp: 276  
Ion Ratio Lower Upper  
99 100  
42 51.4 26.5 39.7#  
71 55.8 34.1 51.1#

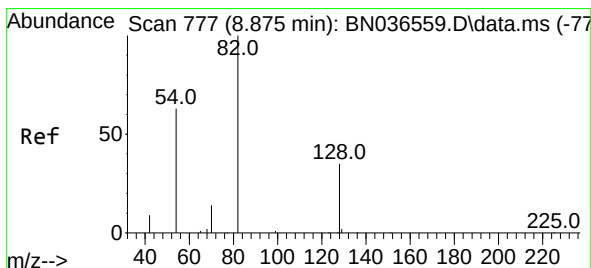
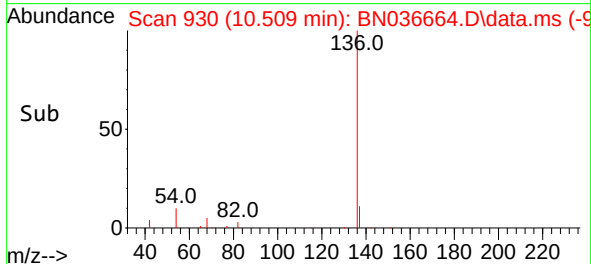
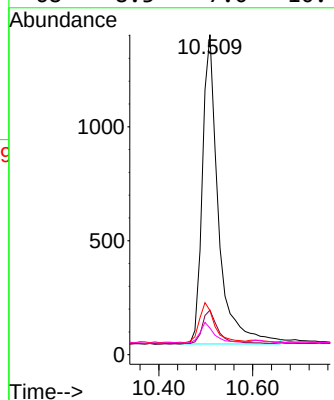
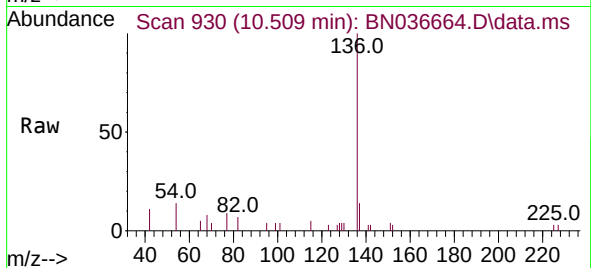




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.509 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

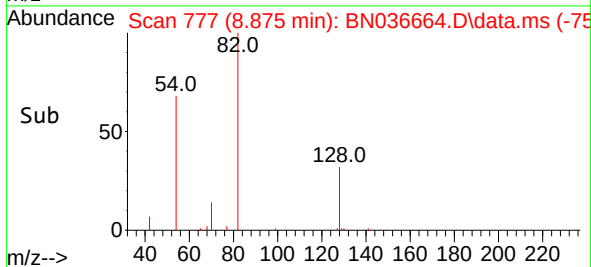
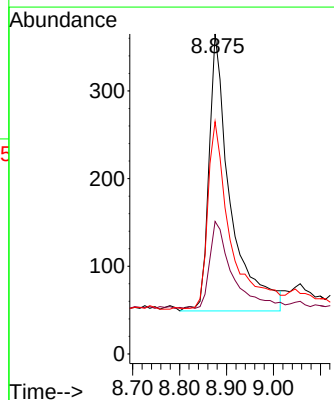
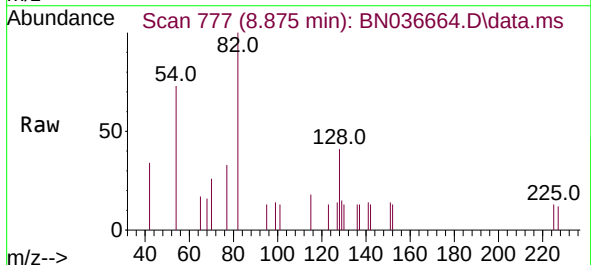
Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20250313

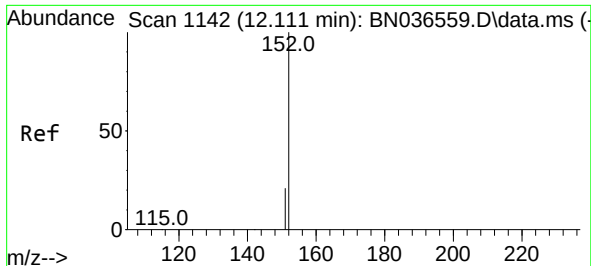
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 3220  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 13.9  | 10.3  | 15.5  |
| 54       | 13.8  | 11.5  | 17.3  |
| 68       | 8.3   | 7.0   | 10.4  |



#8  
Nitrobenzene-d5  
Concen: 0.287 ng  
RT: 8.875 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1004  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 41.4  | 30.6  | 45.8  |
| 54       | 72.6  | 52.2  | 78.4  |

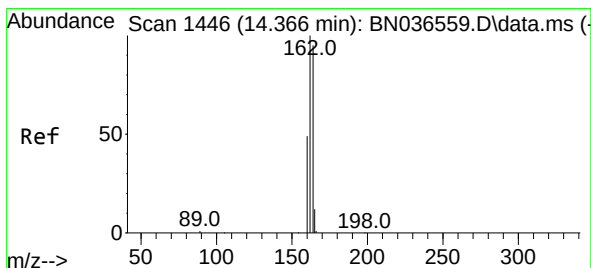
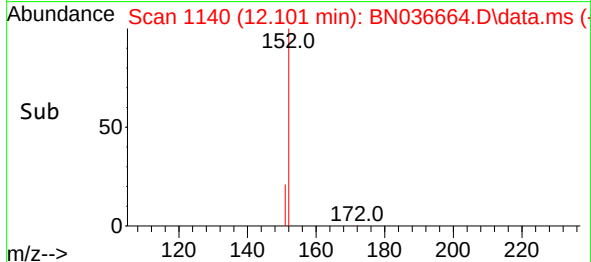
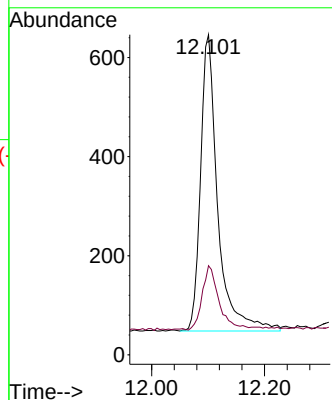
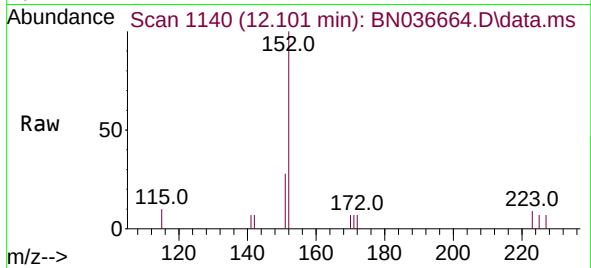




#11  
2-Methylnaphthalene-d10  
Concen: 0.264 ng  
RT: 12.101 min Scan# 1142  
Delta R.T. -0.010 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

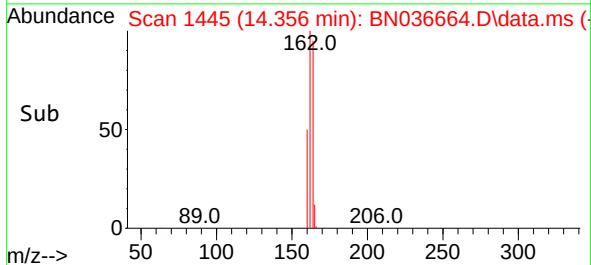
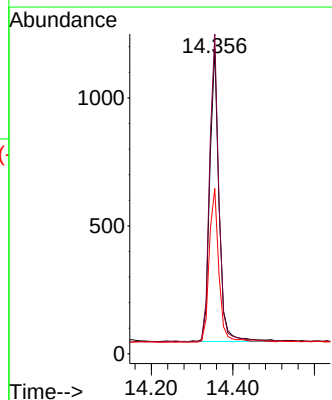
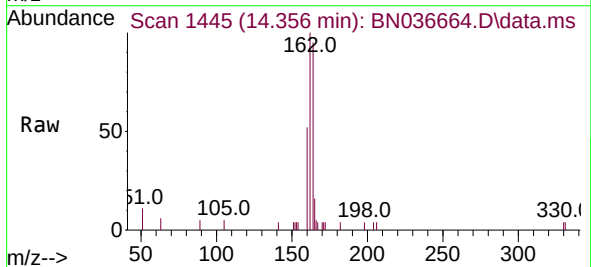
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ClientSampleId :  
RE131D1-20250313

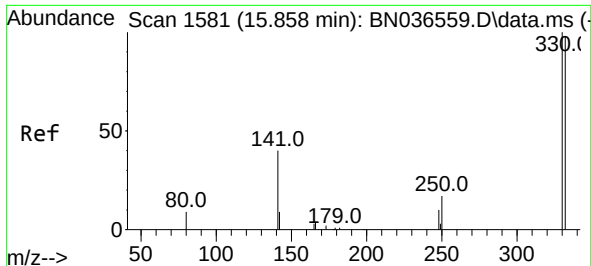
Tgt Ion:152 Resp: 1266  
Ion Ratio Lower Upper  
152 100  
151 21.3 17.0 25.6



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.356 min Scan# 1445  
Delta R.T. -0.011 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

Tgt Ion:164 Resp: 1815  
Ion Ratio Lower Upper  
164 100  
162 104.9 84.2 126.2  
160 54.2 42.2 63.2

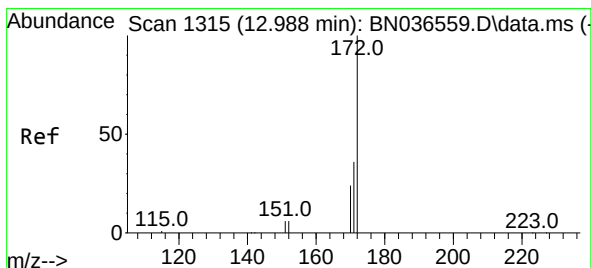
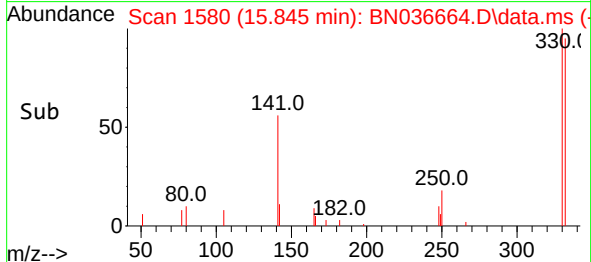
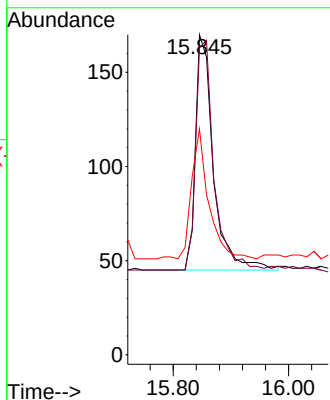
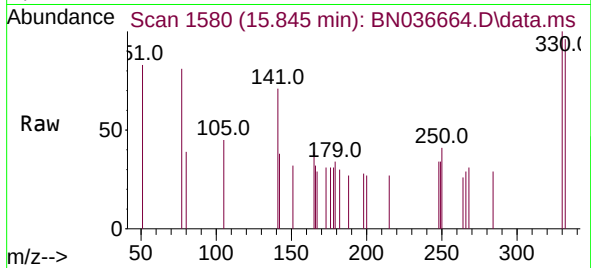




#14  
2,4,6-Tribromophenol  
Concen: 0.328 ng  
RT: 15.845 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

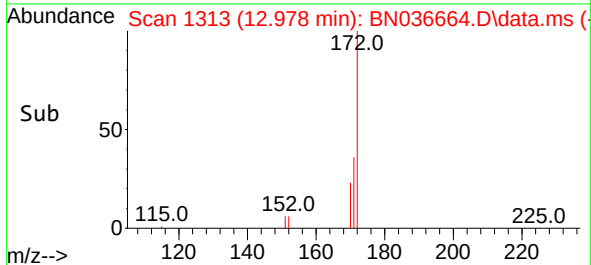
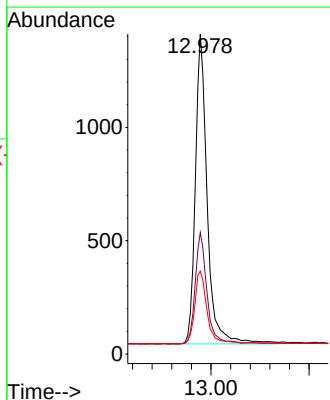
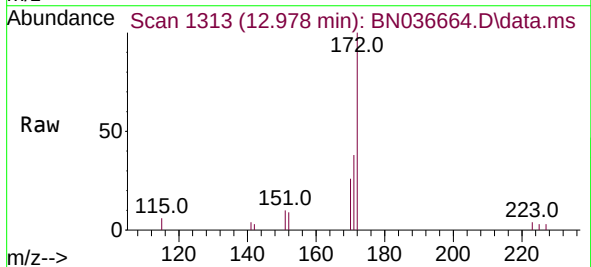
Instrument :  
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ClientSampleId :  
RE131D1-20250313

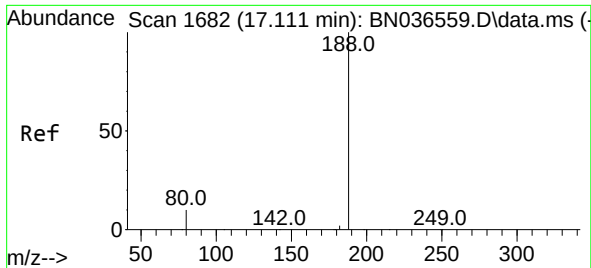
Tgt Ion:330 Resp: 270  
Ion Ratio Lower Upper  
330 100  
332 98.9 75.2 112.8  
141 53.0 43.4 65.2



#15  
2-Fluorobiphenyl  
Concen: 0.311 ng  
RT: 12.978 min Scan# 1313  
Delta R.T. -0.010 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

Tgt Ion:172 Resp: 3280  
Ion Ratio Lower Upper  
172 100  
171 38.0 29.5 44.3  
170 25.9 20.2 30.4

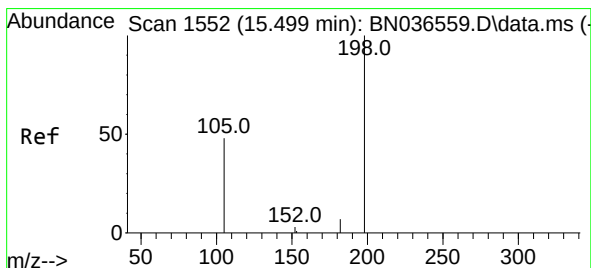
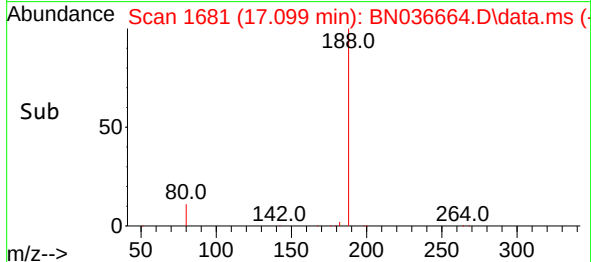
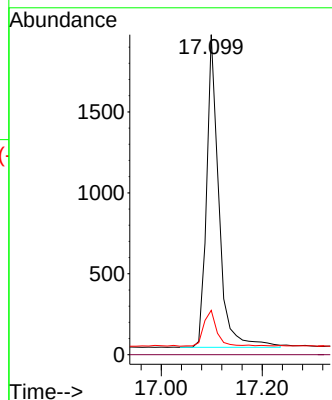
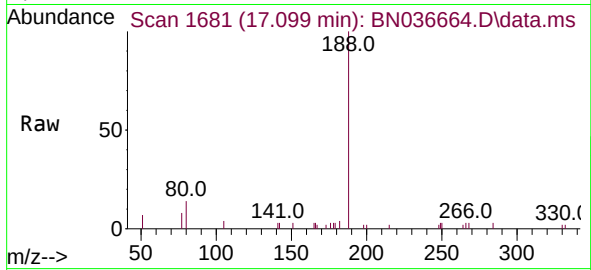




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.099 min Scan# 1681  
Delta R.T. -0.012 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

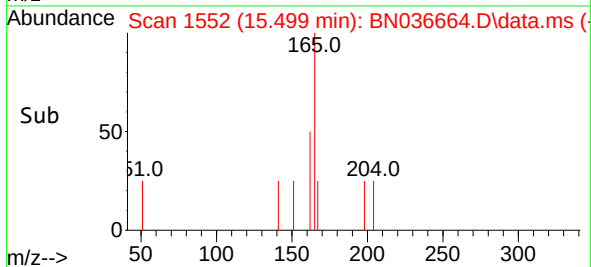
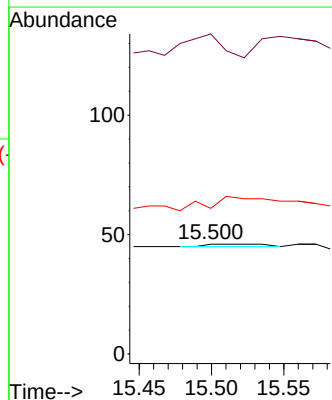
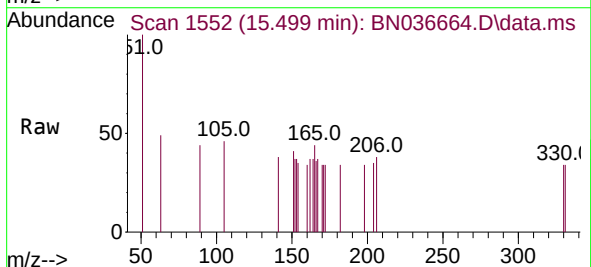
Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20250313

Tgt Ion:188 Resp: 3277  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 13.9 8.8 13.2#

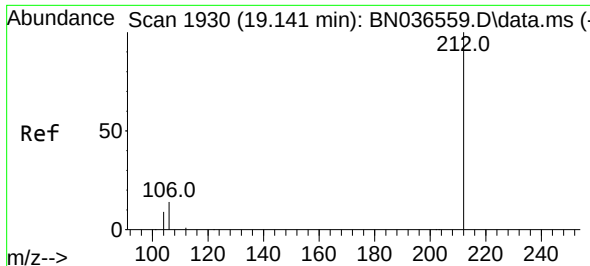


#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.149 ng  
RT: 15.499 min Scan# 1552  
Delta R.T. 0.000 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

Tgt Ion:198 Resp: 3  
Ion Ratio Lower Upper  
198 100  
51 291.3 107.9 161.9#  
105 132.6 56.2 84.2#



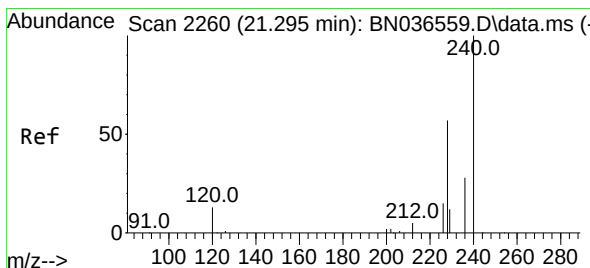
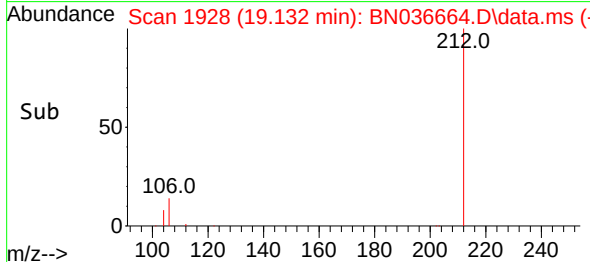
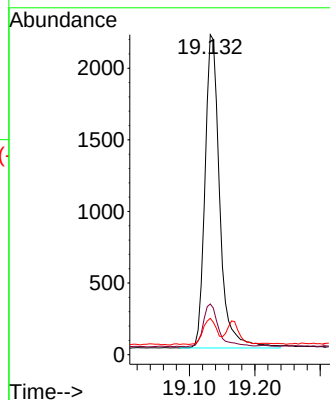
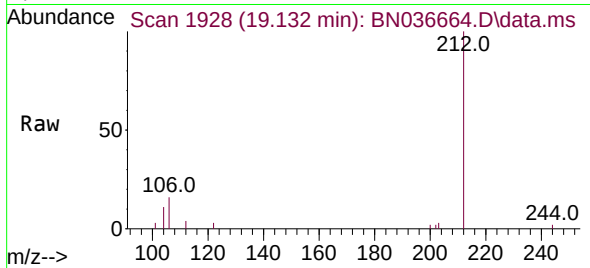




#27  
Fluoranthene-d10  
Concen: 0.407 ng  
RT: 19.132 min Scan# 1930  
Delta R.T. -0.009 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

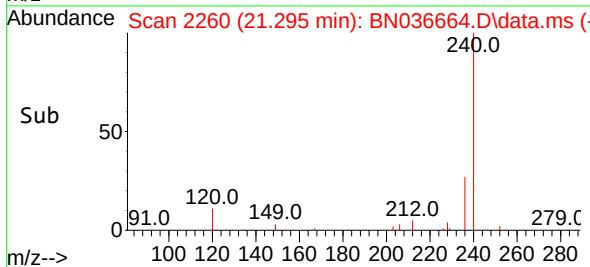
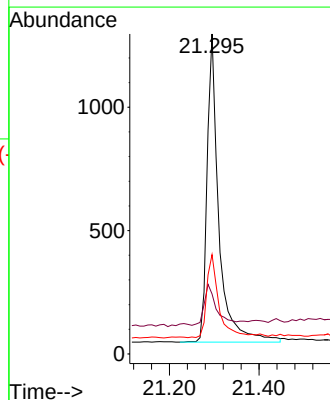
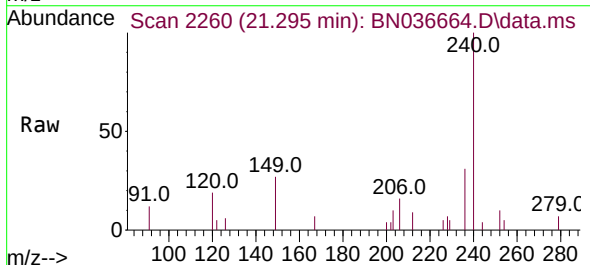
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BNA\_N  
ClientSampleId :  
RE131D1-20250313

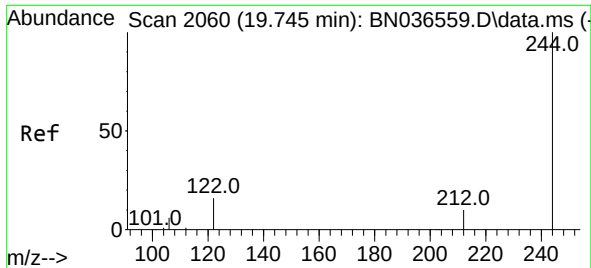
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 212   | Resp: | 3419 |
| Ion Ratio | Lower | Upper |      |
| 212       | 100   |       |      |
| 106       | 14.4  | 11.8  | 17.6 |
| 104       | 7.7   | 7.3   | 10.9 |



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.295 min Scan# 2260  
Delta R.T. 0.000 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

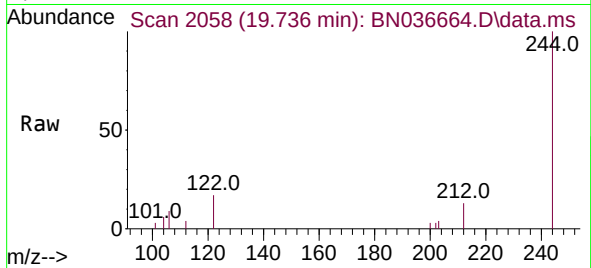
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 240   | Resp: | 2281 |
| Ion Ratio | Lower | Upper |      |
| 240       | 100   |       |      |
| 120       | 18.7  | 14.6  | 22.0 |
| 236       | 31.1  | 24.1  | 36.1 |



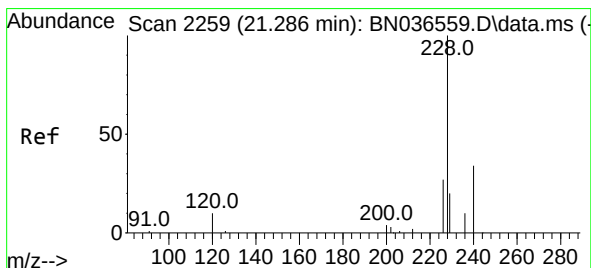
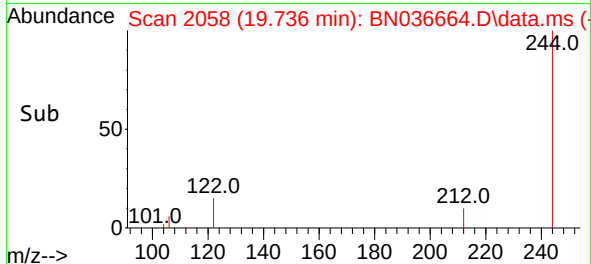
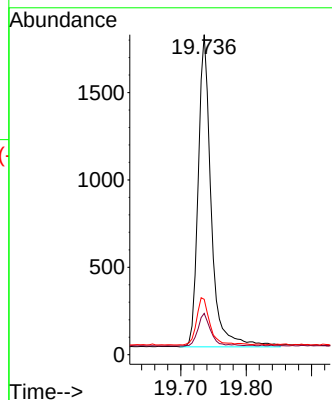


#31  
Terphenyl-d14  
Concen: 0.451 ng  
RT: 19.736 min Scan# 2058  
Delta R.T. -0.009 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20250313

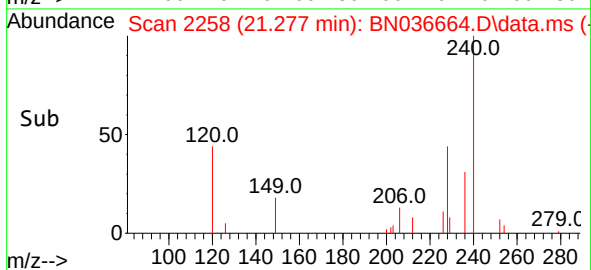
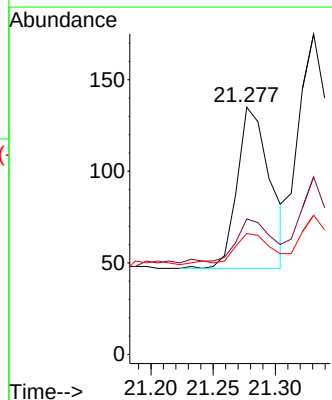
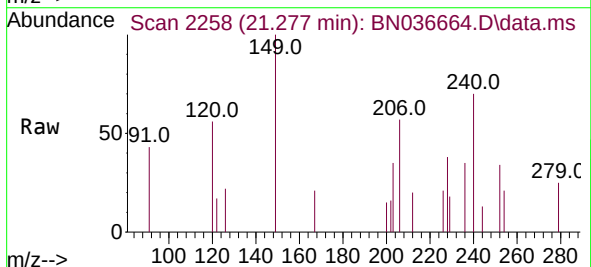


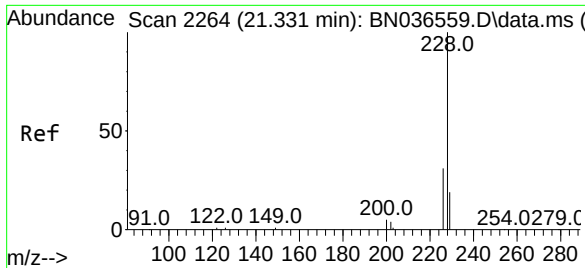
Tgt Ion:244 Resp: 2465  
Ion Ratio Lower Upper  
244 100  
212 12.9 9.6 14.4  
122 17.3 13.9 20.9



#32  
Benzo(a)anthracene  
Concen: 0.020 ng  
RT: 21.277 min Scan# 2258  
Delta R.T. -0.009 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

Tgt Ion:228 Resp: 162  
Ion Ratio Lower Upper  
228 100  
226 54.8 22.5 33.7#  
229 48.9 16.6 25.0#

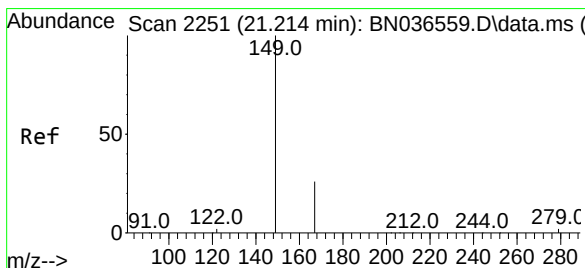
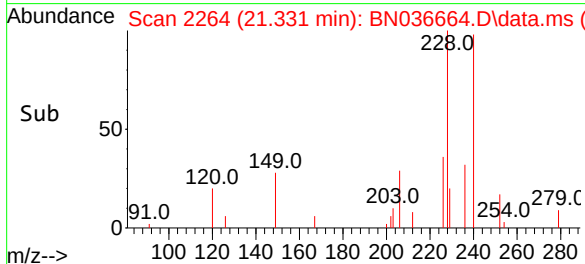
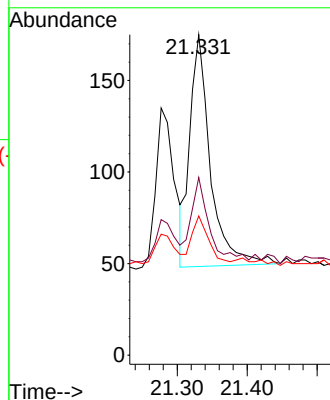
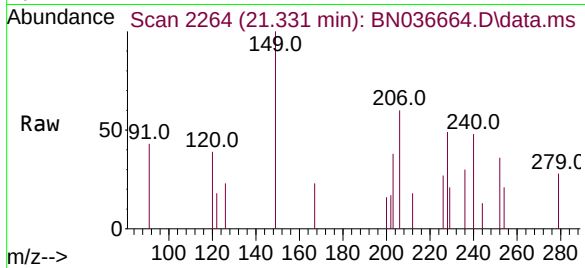




#33  
 Chrysene  
 Concen: 0.030 ng  
 RT: 21.331 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN036664.D  
 Acq: 17 Mar 2025 17:55

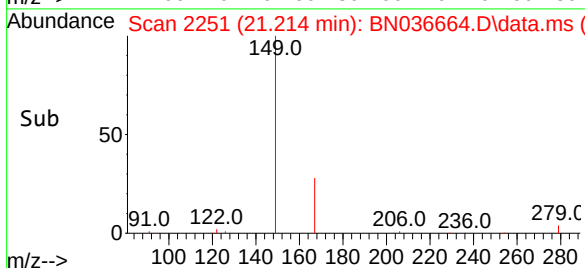
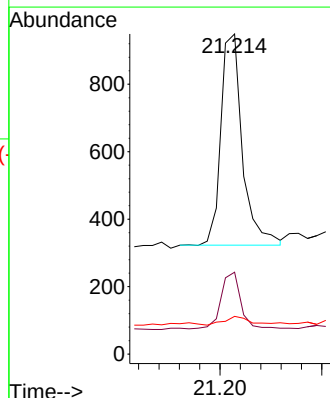
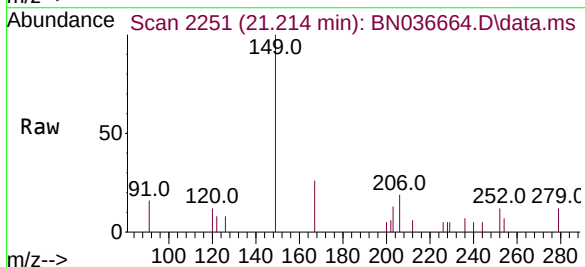
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE131D1-20250313

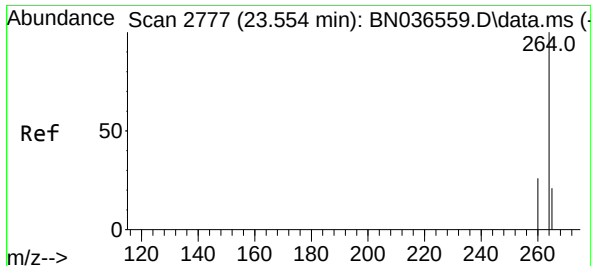
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 258   |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 55.4  | 25.3  | 37.9# |
| 229       | 43.4  | 15.8  | 23.8# |



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.163 ng  
 RT: 21.214 min Scan# 2251  
 Delta R.T. 0.000 min  
 Lab File: BN036664.D  
 Acq: 17 Mar 2025 17:55

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 919  |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 24.6  | 20.7  | 31.1 |
| 279       | 5.5   | 3.6   | 5.4# |

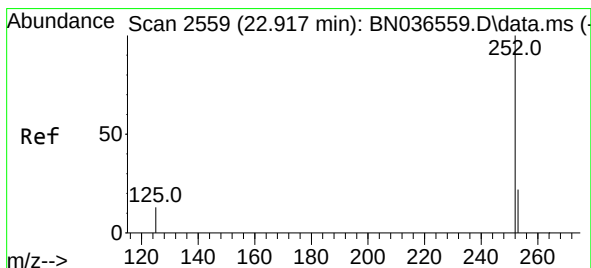
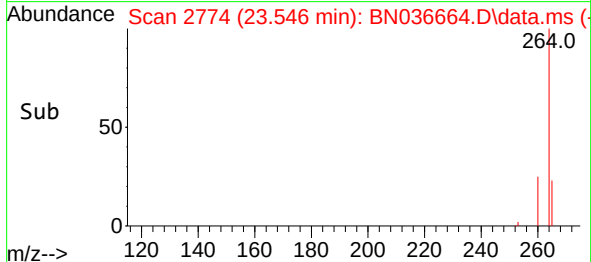
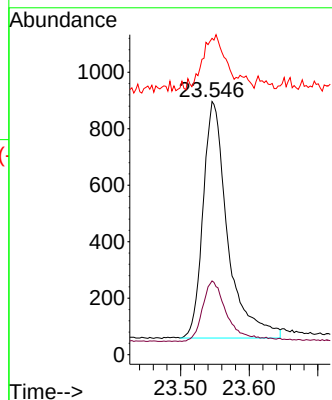
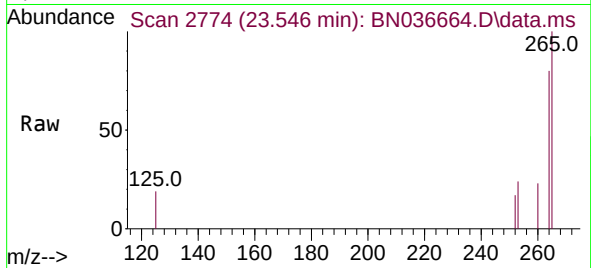




#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.546 min Scan# 21  
 Delta R.T. -0.009 min  
 Lab File: BN036664.D  
 Acq: 17 Mar 2025 17:55

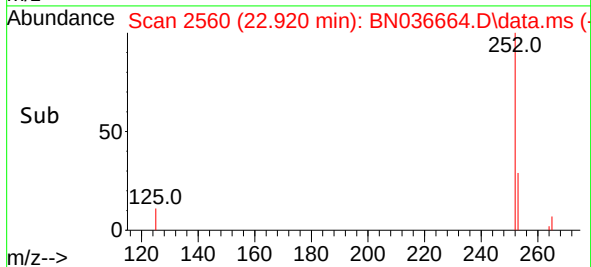
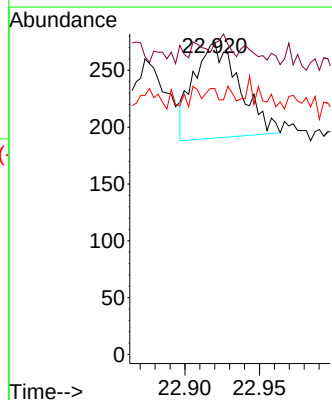
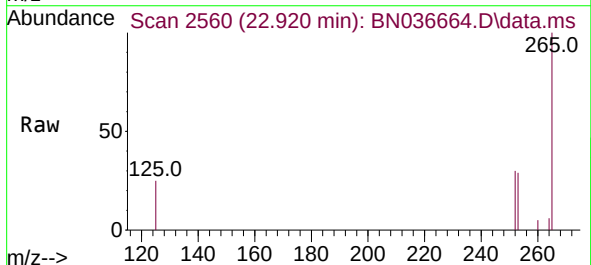
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE131D1-20250313

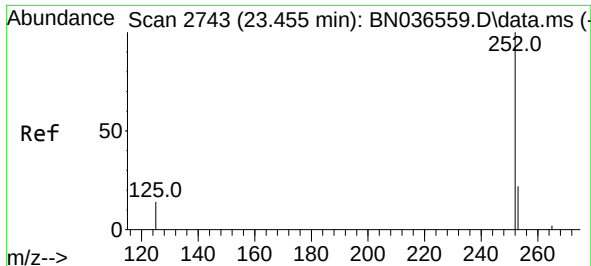
Tgt Ion:264 Resp: 2088  
 Ion Ratio Lower Upper  
 264 100  
 260 29.1 22.6 33.8  
 265 125.0 88.1 132.1



#38  
 Benzo(k)fluoranthene  
 Concen: 0.023 ng  
 RT: 22.920 min Scan# 2560  
 Delta R.T. 0.003 min  
 Lab File: BN036664.D  
 Acq: 17 Mar 2025 17:55

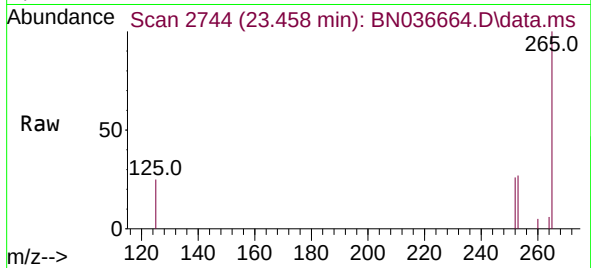
Tgt Ion:252 Resp: 180  
 Ion Ratio Lower Upper  
 252 100  
 253 99.6 24.6 36.8#  
 125 85.1 17.8 26.8#



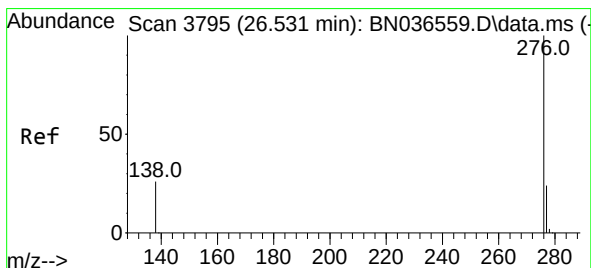
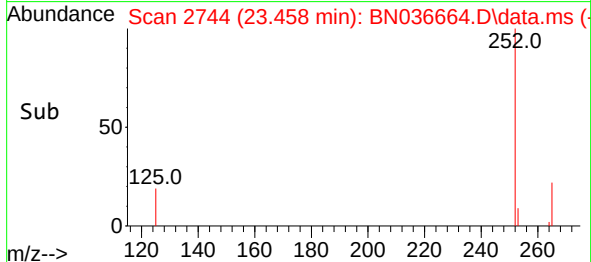
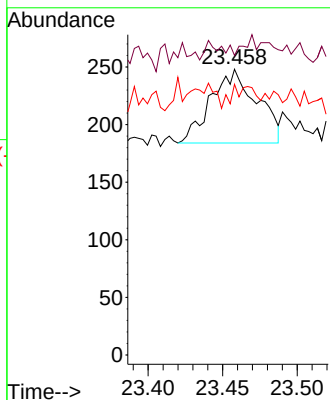


#39  
Benzo(a)pyrene  
Concen: 0.022 ng  
RT: 23.458 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

Instrument :  
BNA\_N  
ClientSampleId :  
RE131D1-20250313



Tgt Ion:252 Resp: 138  
Ion Ratio Lower Upper  
252 100  
253 104.8 27.8 41.8#  
125 94.8 22.7 34.1#



#41  
Benzo(g,h,i)perylene  
Concen: 0.048 ng  
RT: 26.537 min Scan# 3797  
Delta R.T. 0.006 min  
Lab File: BN036664.D  
Acq: 17 Mar 2025 17:55

Tgt Ion:276 Resp: 320  
Ion Ratio Lower Upper  
276 100  
277 56.6 22.2 33.4#  
138 55.9 24.1 36.1#

