

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN021225\  
 Data File : BN036434.D  
 Acq On : 12 Feb 2025 10:56  
 Operator : RC/JU  
 Sample : Q1168-03  
 Misc : MDL-MDL-SOIL 0.1 PPM  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 12 11:26:55 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN021025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 11 01:17:14 2025  
 Response via : Initial Calibration

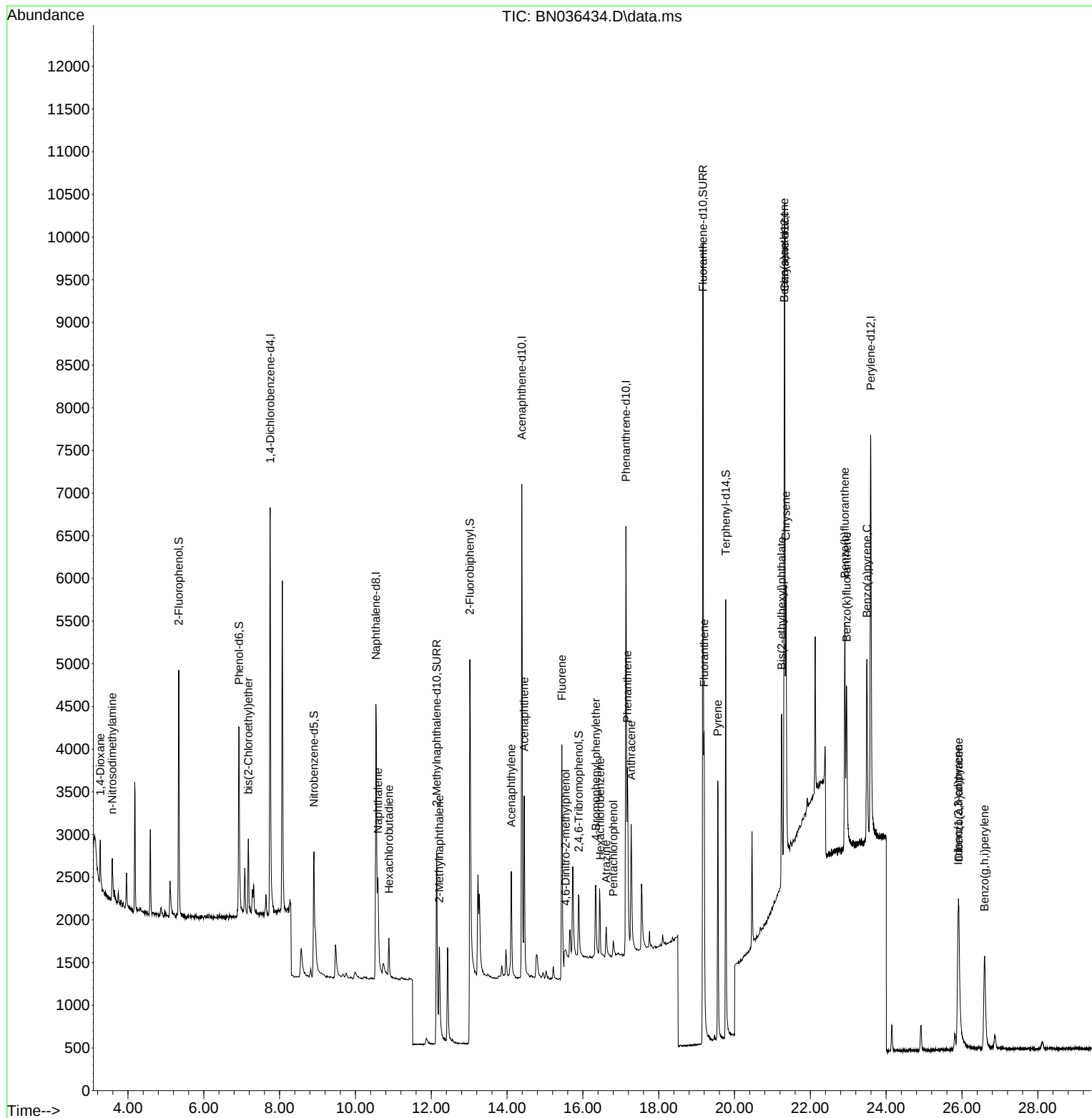
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.753  | 152  | 2460     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.541 | 136  | 5768     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.388 | 164  | 3684     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.136 | 188  | 8274     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.322 | 240  | 7177     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.592 | 264  | 7305     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.341  | 112  | 2124     | 0.365 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.930  | 99   | 2349     | 0.344 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.907  | 82   | 1763     | 0.310 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.141 | 152  | 4616     | 0.521 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.895 | 330  | 594      | 0.325 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl          | 13.019 | 172  | 4342     | 0.313 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.169 | 212  | 12385    | 0.538 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.768 | 244  | 5852     | 0.382 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.268  | 88   | 338      | 0.126 | ng    | 92       |
| 3) n-Nitrosodimethylamine     | 3.586  | 42   | 512      | 0.110 | ng    | # 86     |
| 6) bis(2-Chloroethyl)ether    | 7.176  | 93   | 665      | 0.093 | ng    | 96       |
| 9) Naphthalene                | 10.594 | 128  | 1632     | 0.098 | ng    | # 89     |
| 10) Hexachlorobutadiene       | 10.883 | 225  | 422      | 0.104 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.212 | 142  | 1027     | 0.094 | ng    | 96       |
| 16) Acenaphthylene            | 14.110 | 152  | 1654     | 0.102 | ng    | 98       |
| 17) Acenaphthene              | 14.452 | 154  | 1092     | 0.100 | ng    | 100      |
| 18) Fluorene                  | 15.446 | 166  | 1541     | 0.100 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.547 | 198  | 111      | 0.068 | ng    | # 13     |
| 21) 4-Bromophenyl-phenylether | 16.342 | 248  | 487      | 0.099 | ng    | # 87     |
| 22) Hexachlorobenzene         | 16.453 | 284  | 676      | 0.111 | ng    | 97       |
| 23) Atrazine                  | 16.615 | 200  | 422      | 0.102 | ng    | # 83     |
| 24) Pentachlorophenol         | 16.801 | 266  | 138      | 0.048 | ng    | 92       |
| 25) Phenanthrene              | 17.173 | 178  | 2462     | 0.103 | ng    | 98       |
| 26) Anthracene                | 17.273 | 178  | 2279     | 0.108 | ng    | 99       |
| 28) Fluoranthene              | 19.197 | 202  | 3160     | 0.108 | ng    | 98       |
| 30) Pyrene                    | 19.559 | 202  | 3139     | 0.114 | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.313 | 228  | 2710     | 0.115 | ng    | 97       |
| 33) Chrysene                  | 21.358 | 228  | 2938     | 0.115 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.241 | 149  | 1791     | 0.122 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.899 | 276  | 2854     | 0.112 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.908 | 252  | 2933     | 0.122 | ng    | # 53     |
| 38) Benzo(k)fluoranthene      | 22.955 | 252  | 3093     | 0.125 | ng    | # 74     |
| 39) Benzo(a)pyrene            | 23.493 | 252  | 2589     | 0.123 | ng    | # 32     |
| 40) Dibenzo(a,h)anthracene    | 25.917 | 278  | 2101     | 0.104 | ng    | # 77     |
| 41) Benzo(g,h,i)perylene      | 26.595 | 276  | 2466     | 0.108 | ng    | # 89     |
| -----                         |        |      |          |       |       |          |

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

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Operator : RC/JU  
Sample : Q1168-03  
Misc : MDL-MDL-SOIL 0.1 PPM  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
MDL-SOIL-03-QT1-2025

Quant Time: Feb 12 11:26:55 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN021025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 11 01:17:14 2025  
Response via : Initial Calibration

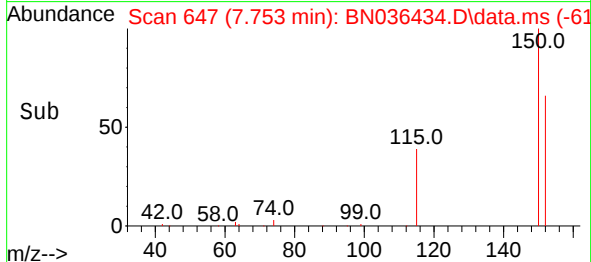
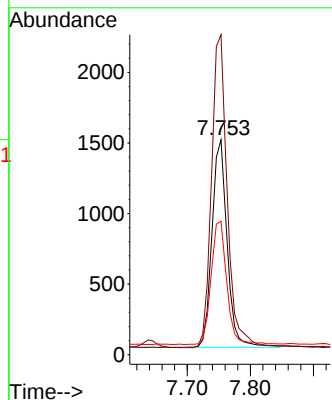
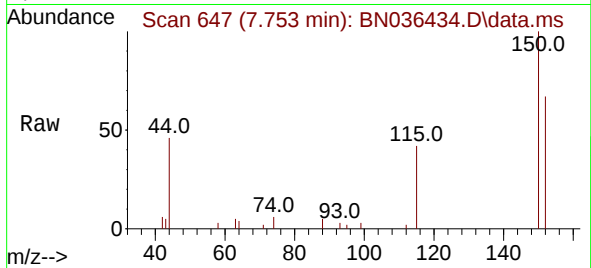




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.753 min Scan# 64  
 Delta R.T. 0.000 min  
 Lab File: BN036434.D  
 Acq: 12 Feb 2025 10:56

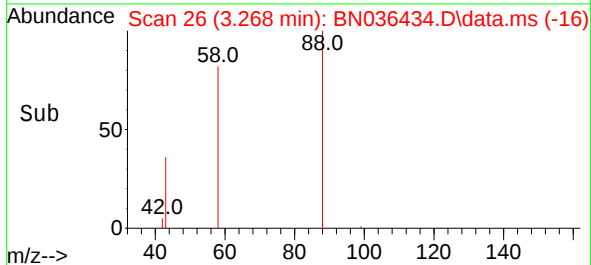
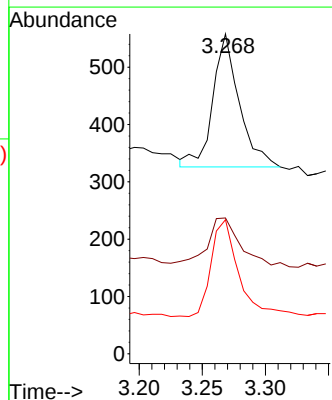
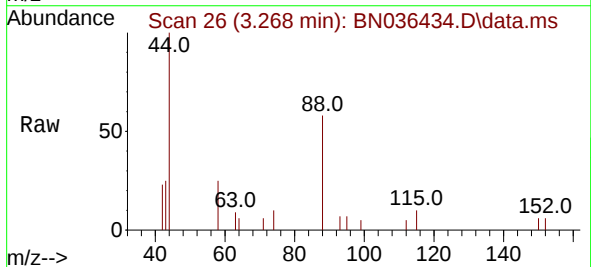
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-03-QT1-2025

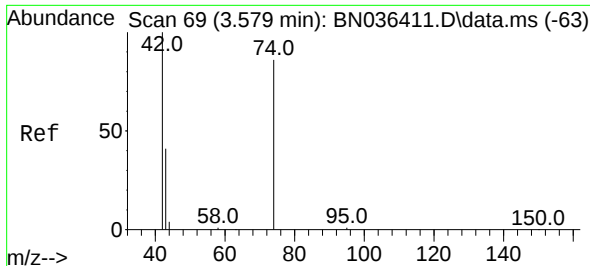
Tgt Ion:152 Resp: 2460  
 Ion Ratio Lower Upper  
 152 100  
 150 148.9 123.7 185.5  
 115 62.2 52.5 78.7



#2  
 1,4-Dioxane  
 Concen: 0.126 ng  
 RT: 3.268 min Scan# 26  
 Delta R.T. 0.000 min  
 Lab File: BN036434.D  
 Acq: 12 Feb 2025 10:56

Tgt Ion: 88 Resp: 338  
 Ion Ratio Lower Upper  
 88 100  
 43 42.0 33.7 50.5  
 58 75.1 68.9 103.3

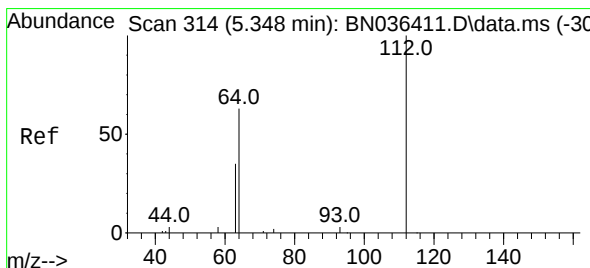
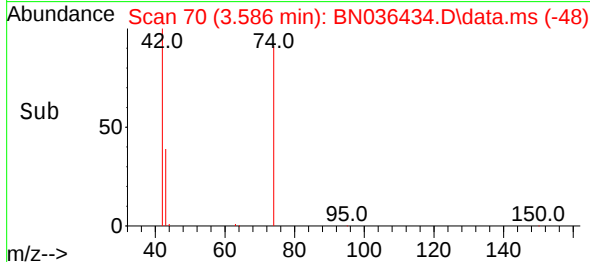
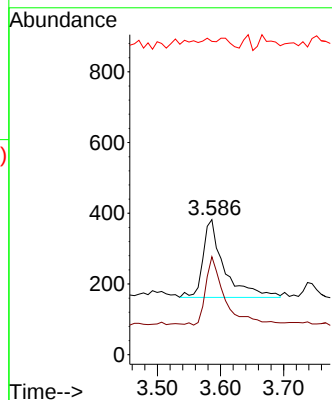
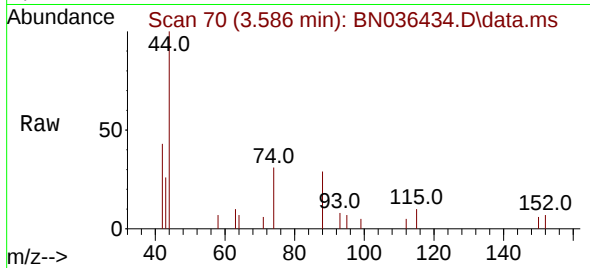




#3  
n-Nitrosodimethylamine  
Concen: 0.110 ng  
RT: 3.586 min Scan# 70  
Delta R.T. 0.007 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

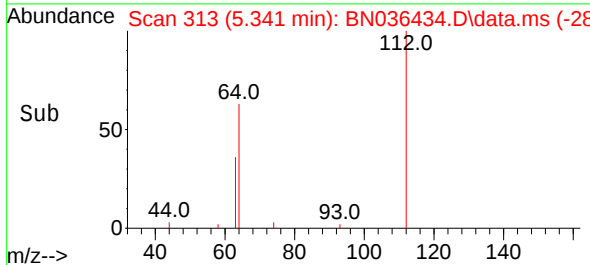
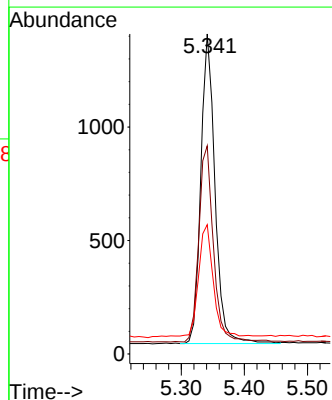
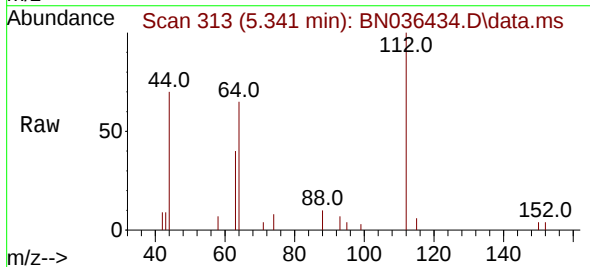
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

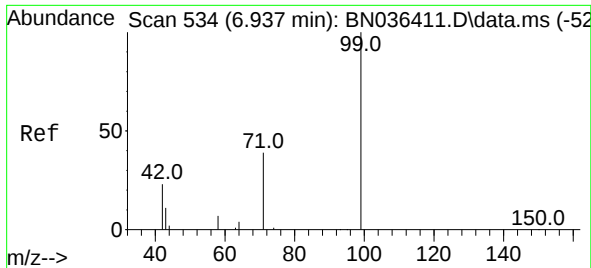
Tgt Ion: 42 Resp: 512  
Ion Ratio Lower Upper  
42 100  
74 76.2 71.8 107.6  
44 6.6 7.8 11.6#



#4  
2-Fluorophenol  
Concen: 0.365 ng  
RT: 5.341 min Scan# 313  
Delta R.T. -0.007 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

Tgt Ion: 112 Resp: 2124  
Ion Ratio Lower Upper  
112 100  
64 65.0 53.4 80.0  
63 39.0 30.3 45.5

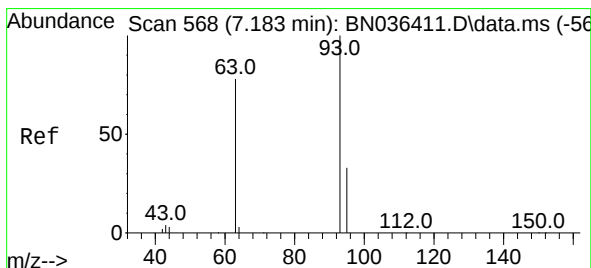
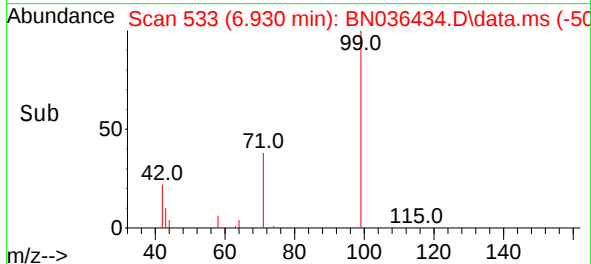
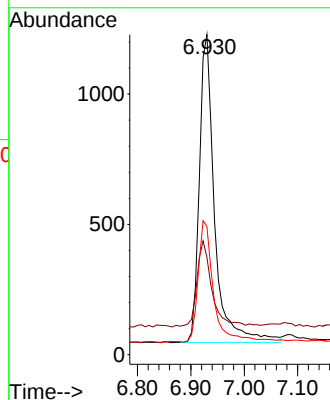
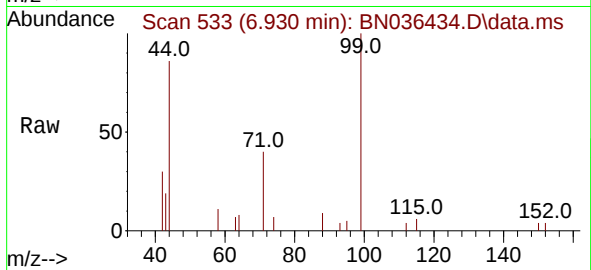




#5  
Phenol-d6  
Concen: 0.344 ng  
RT: 6.930 min Scan# 51  
Delta R.T. -0.007 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

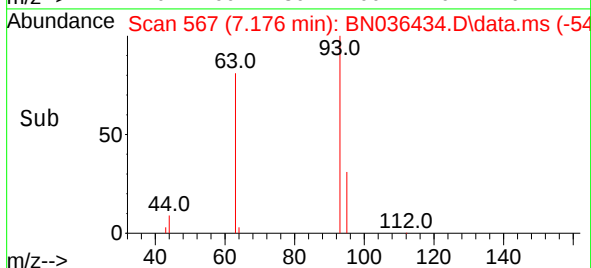
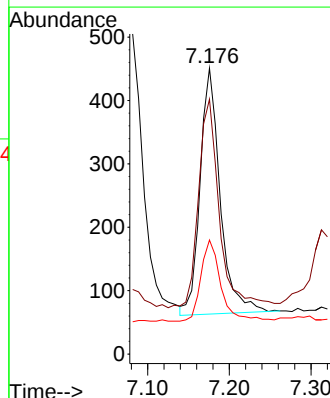
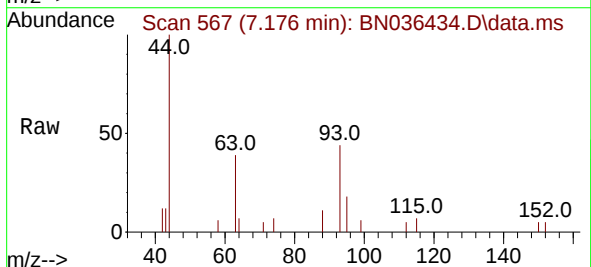
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

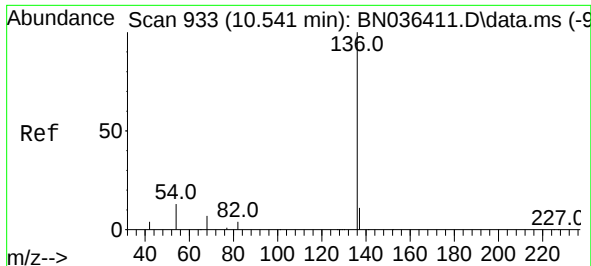
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 2349  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 27.4  | 21.7  | 32.5  |
| 71       | 40.1  | 32.6  | 49.0  |



#6  
bis(2-Chloroethyl)ether  
Concen: 0.093 ng  
RT: 7.176 min Scan# 567  
Delta R.T. -0.007 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 665   |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 88.3  | 66.3  | 99.5  |
| 95       | 32.8  | 26.2  | 39.4  |

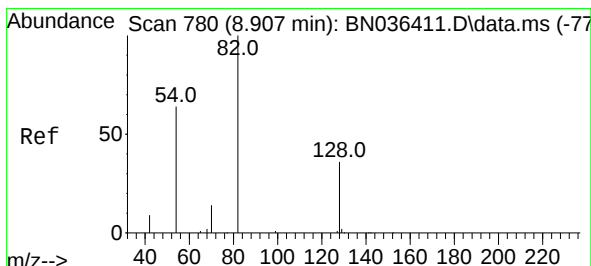
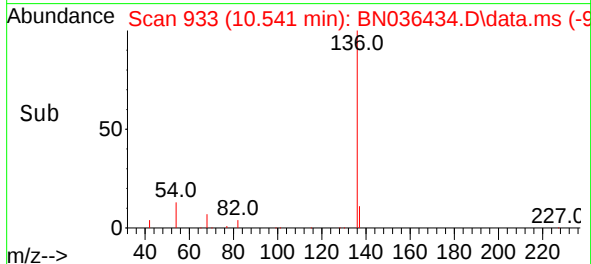
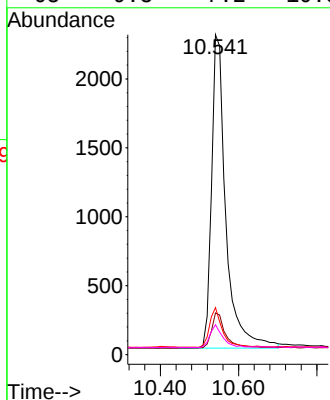
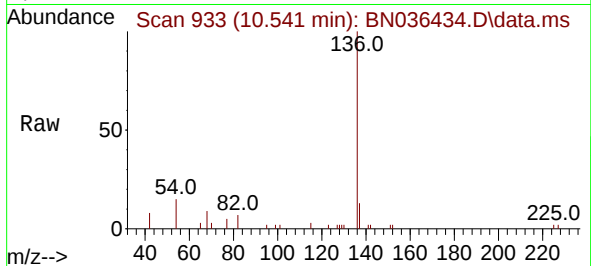




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.541 min Scan# 933  
Delta R.T. 0.000 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

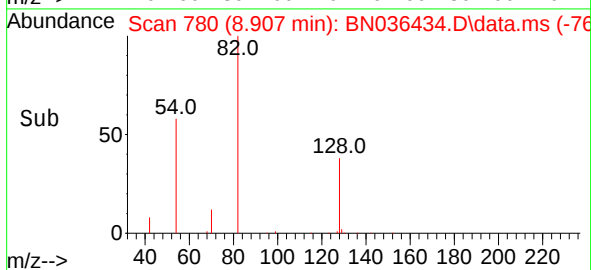
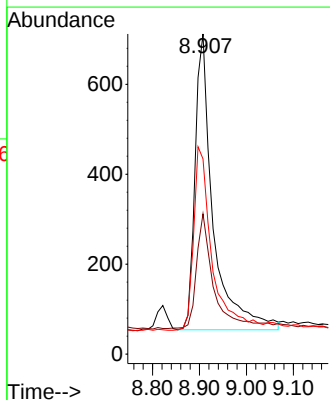
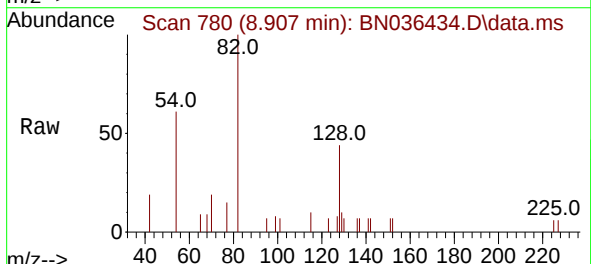
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

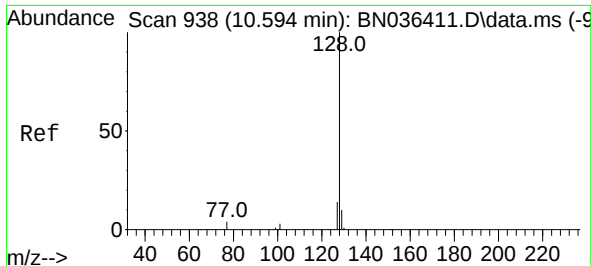
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|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 5768 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 13.1  | 10.1  | 15.1 |
| 54        | 14.7  | 11.8  | 17.6 |
| 68        | 9.3   | 7.2   | 10.8 |



#8  
Nitrobenzene-d5  
Concen: 0.310 ng  
RT: 8.907 min Scan# 780  
Delta R.T. 0.000 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 1763 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 43.8  | 31.9  | 47.9 |
| 54        | 61.0  | 53.1  | 79.7 |

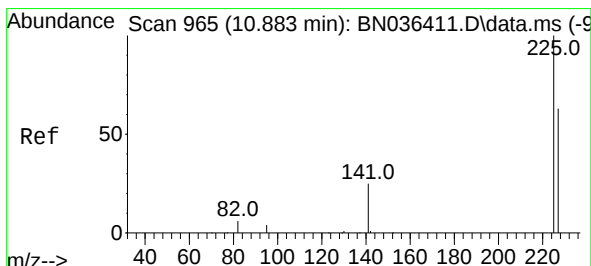
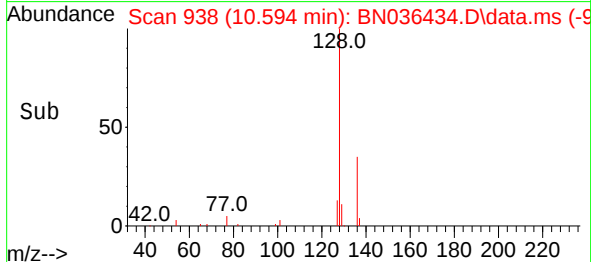
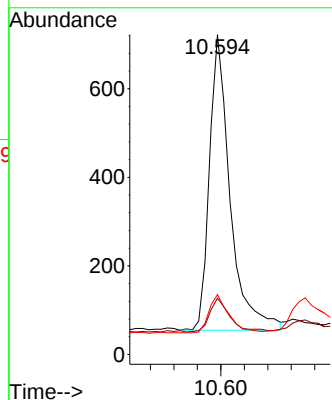
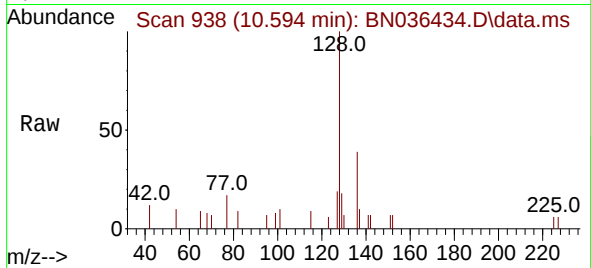




#9  
Naphthalene  
Concen: 0.098 ng  
RT: 10.594 min Scan# 938  
Delta R.T. 0.000 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

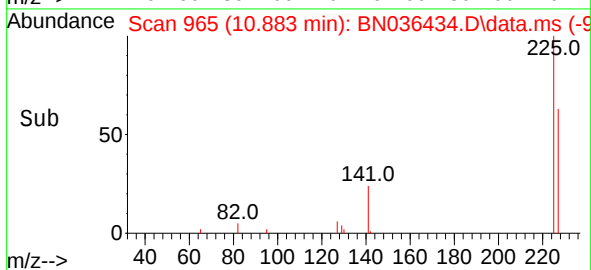
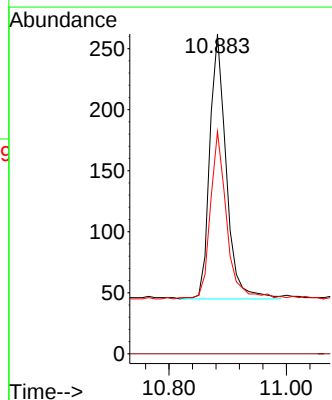
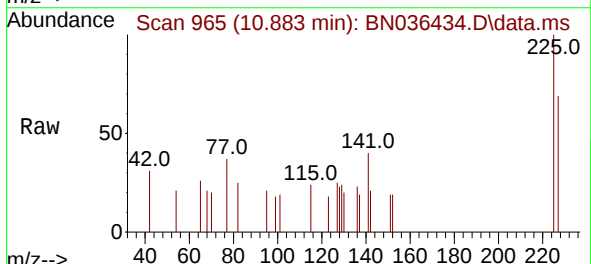
Instrument :  
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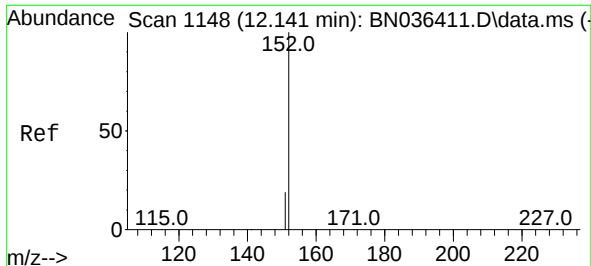
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Ion Ratio Lower Upper  
128 100  
129 17.6 9.6 14.4#  
127 18.7 12.0 18.0#



#10  
Hexachlorobutadiene  
Concen: 0.104 ng  
RT: 10.883 min Scan# 965  
Delta R.T. 0.000 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

Tgt Ion:225 Resp: 422  
Ion Ratio Lower Upper  
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223 0.0 0.0 0.0  
227 63.0 50.9 76.3

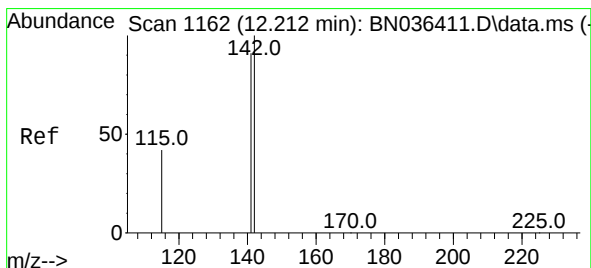
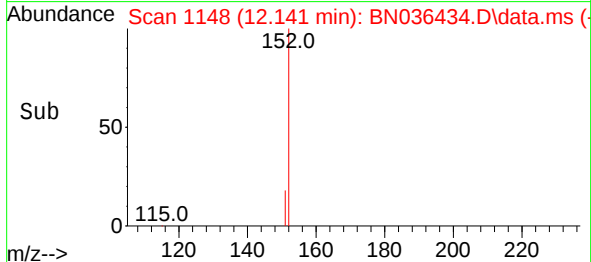
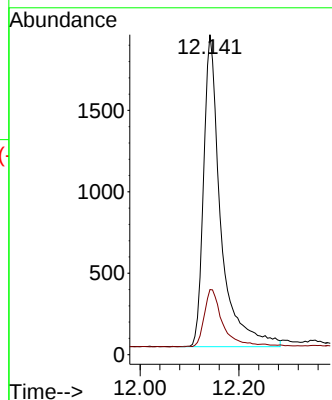
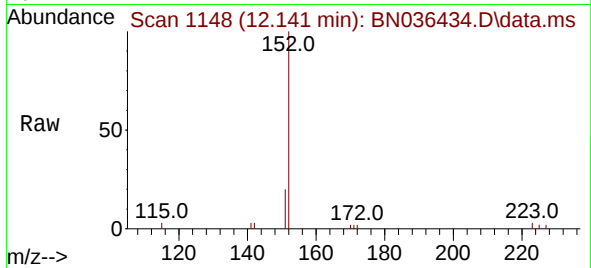




#11  
2-Methylnaphthalene-d10  
Concen: 0.521 ng  
RT: 12.141 min Scan# 1148  
Delta R.T. 0.000 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

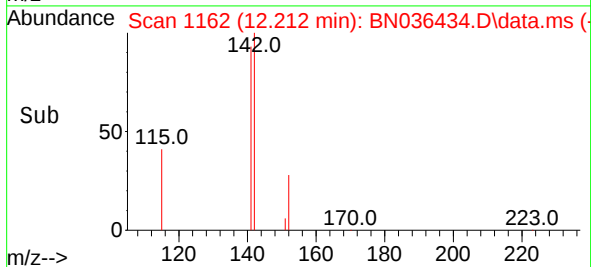
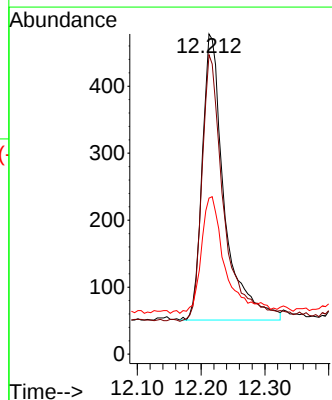
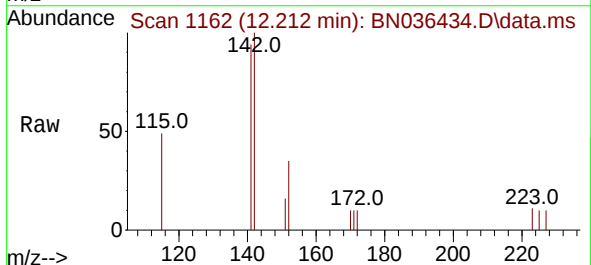
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

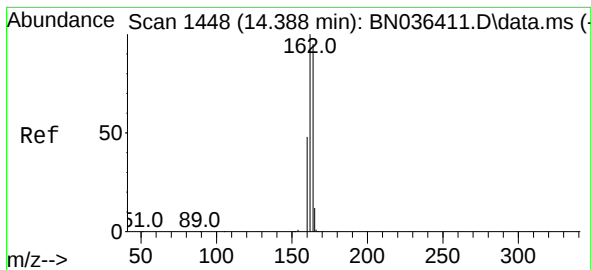
Tgt Ion:152 Resp: 4616  
Ion Ratio Lower Upper  
152 100  
151 19.4 16.6 25.0



#12  
2-Methylnaphthalene  
Concen: 0.094 ng  
RT: 12.212 min Scan# 1162  
Delta R.T. 0.000 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

Tgt Ion:142 Resp: 1027  
Ion Ratio Lower Upper  
142 100  
141 93.5 72.8 109.2  
115 48.7 35.5 53.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.388 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT1-2025

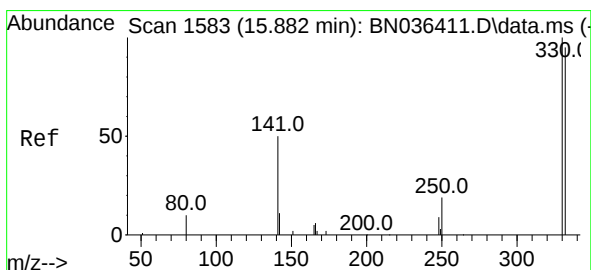
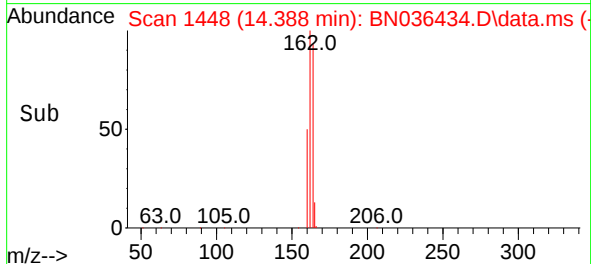
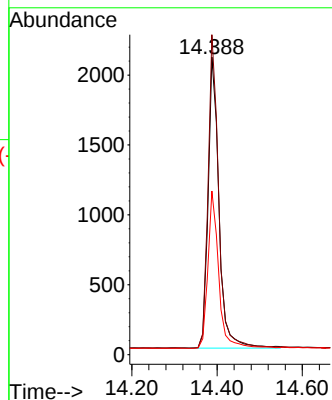
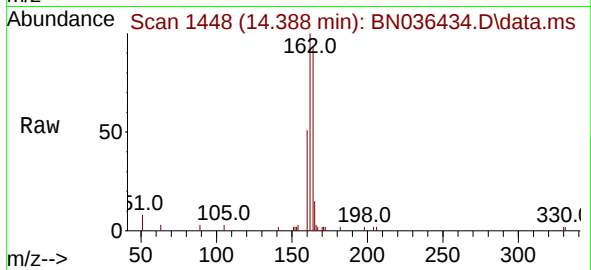
Tgt Ion:164 Resp: 3684

Ion Ratio Lower Upper

164 100

162 107.5 84.1 126.1

160 55.0 41.4 62.0



#14

2,4,6-Tribromophenol

Concen: 0.325 ng

RT: 15.895 min Scan# 1584

Delta R.T. 0.012 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

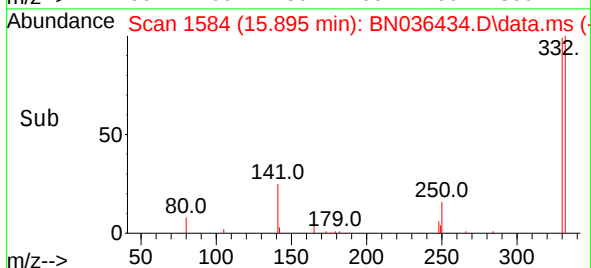
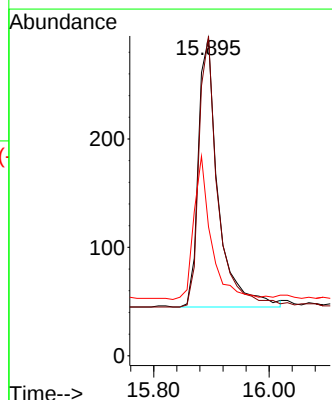
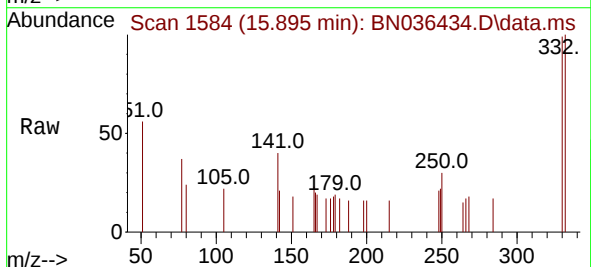
Tgt Ion:330 Resp: 594

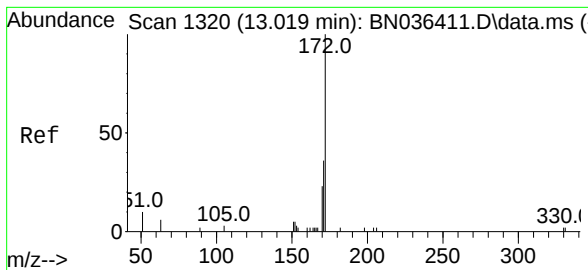
Ion Ratio Lower Upper

330 100

332 95.5 76.6 114.8

141 47.0 37.8 56.8

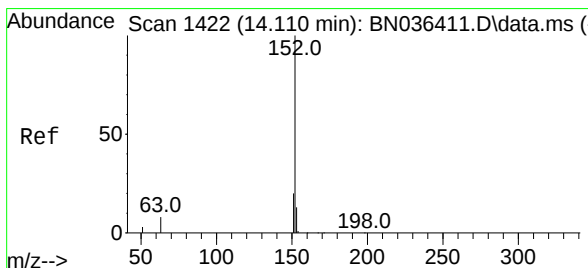
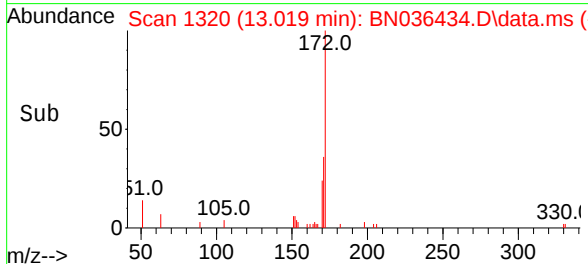
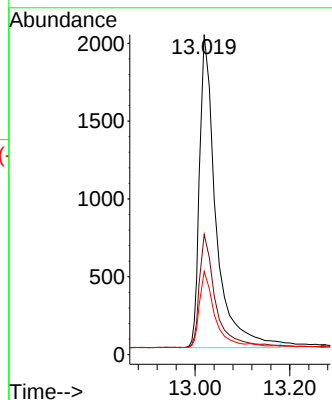
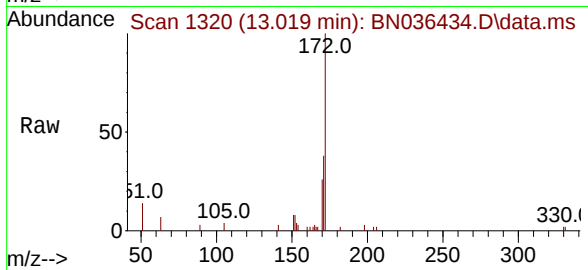




#15  
 2-Fluorobiphenyl  
 Concen: 0.313 ng  
 RT: 13.019 min Scan# 1320  
 Delta R.T. 0.000 min  
 Lab File: BN036434.D  
 Acq: 12 Feb 2025 10:56

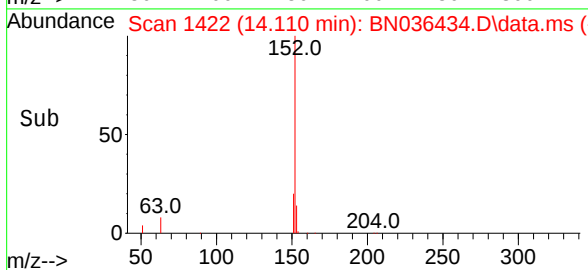
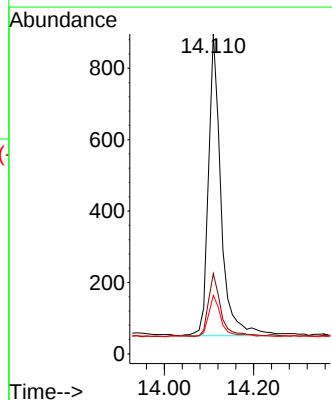
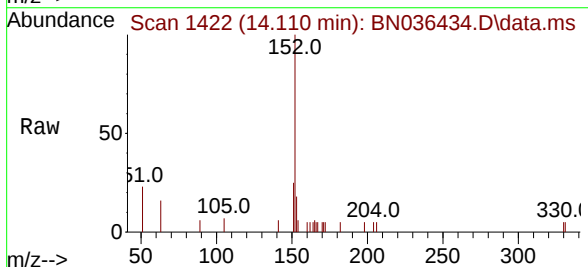
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-03-QT1-2025

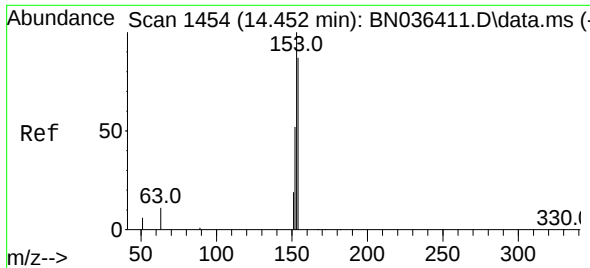
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 4342 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 37.6  | 29.6  | 44.4 |
| 170       | 26.0  | 19.8  | 29.6 |



#16  
 Acenaphthylene  
 Concen: 0.102 ng  
 RT: 14.110 min Scan# 1422  
 Delta R.T. 0.000 min  
 Lab File: BN036434.D  
 Acq: 12 Feb 2025 10:56

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 1654 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 20.7  | 15.8  | 23.8 |
| 153       | 13.5  | 10.2  | 15.2 |

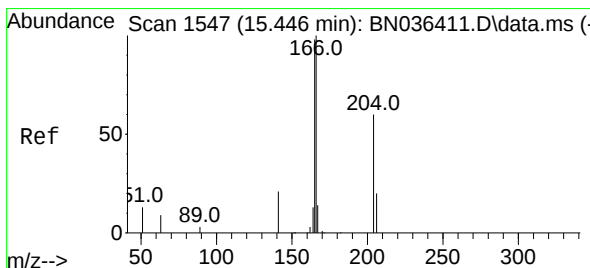
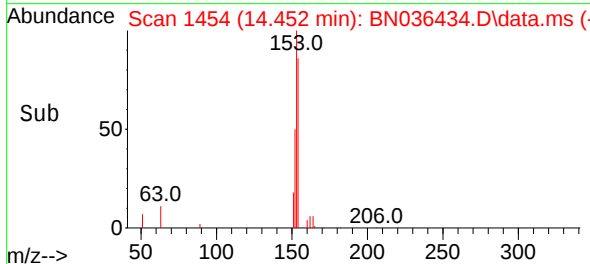
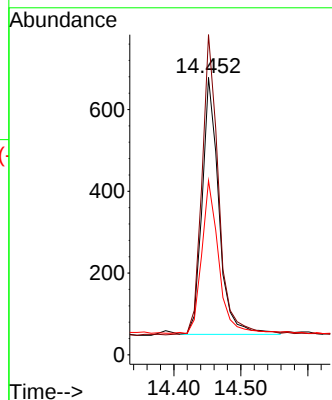
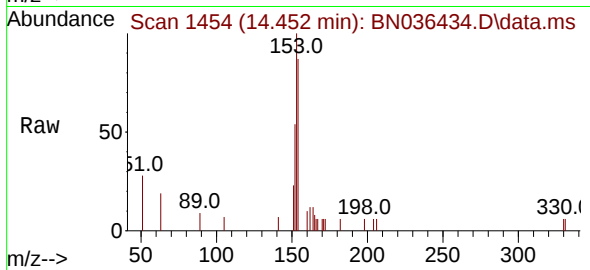




#17  
Acenaphthene  
Concen: 0.100 ng  
RT: 14.452 min Scan# 1454  
Delta R.T. 0.000 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

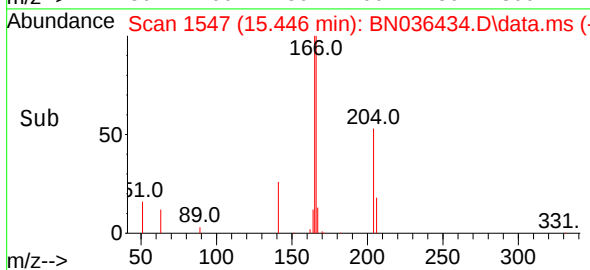
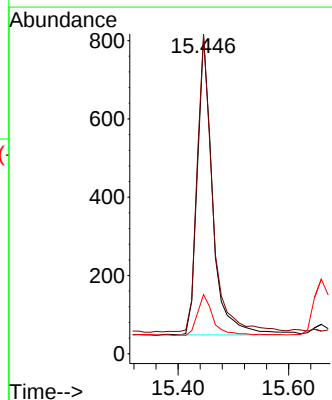
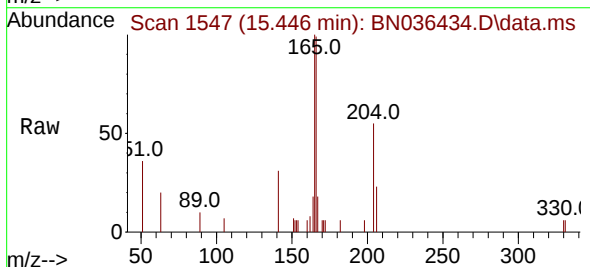
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

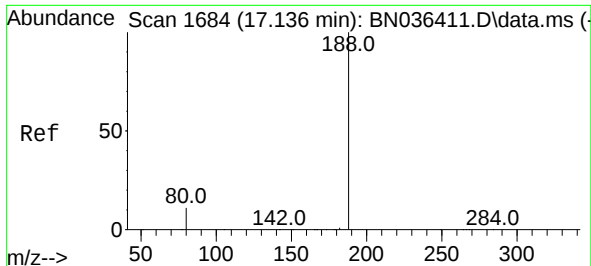
Tgt Ion:154 Resp: 1092  
Ion Ratio Lower Upper  
154 100  
153 117.2 93.3 139.9  
152 61.2 48.8 73.2



#18  
Fluorene  
Concen: 0.100 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. 0.000 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

Tgt Ion:166 Resp: 1541  
Ion Ratio Lower Upper  
166 100  
165 100.0 79.5 119.3  
167 14.4 10.4 15.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.136 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT1-2025

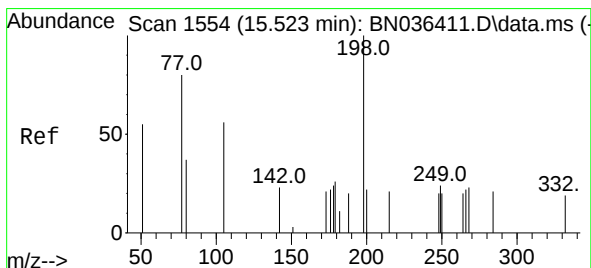
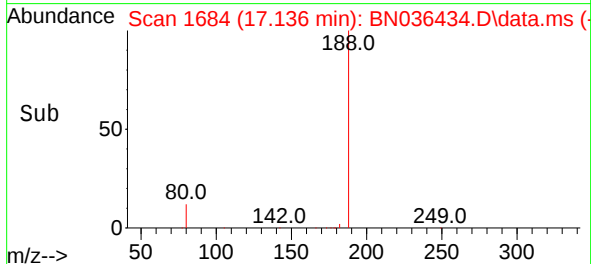
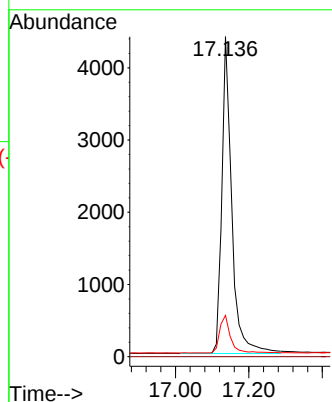
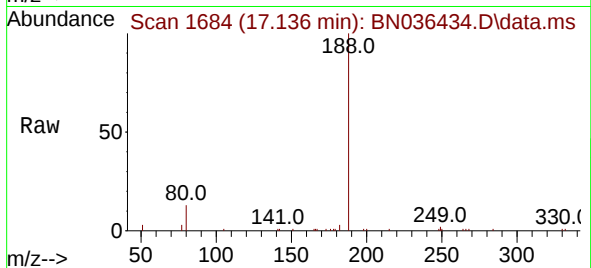
Tgt Ion:188 Resp: 8274

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.9 9.8 14.6



#20

4,6-Dinitro-2-methylphenol

Concen: 0.068 ng

RT: 15.547 min Scan# 1556

Delta R.T. 0.024 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

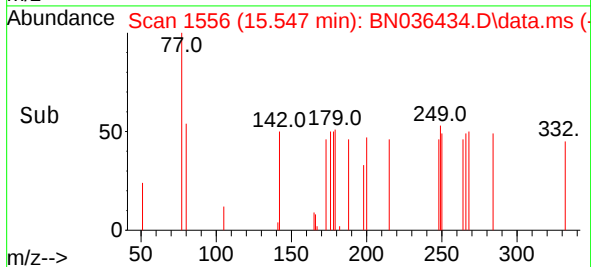
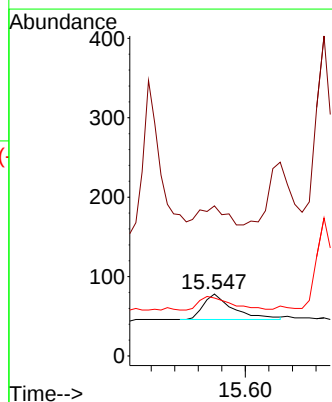
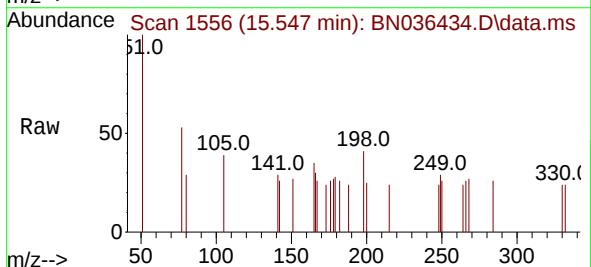
Tgt Ion:198 Resp: 111

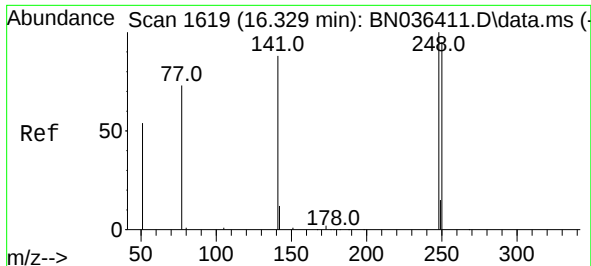
Ion Ratio Lower Upper

198 100

51 242.3 86.6 129.8#

105 93.6 57.5 86.3#

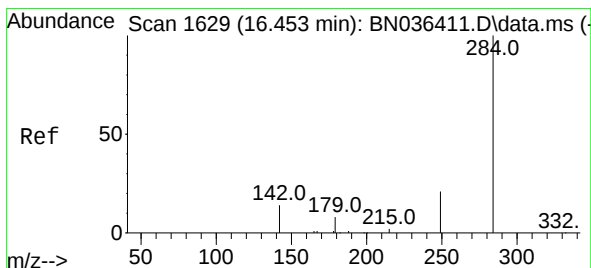
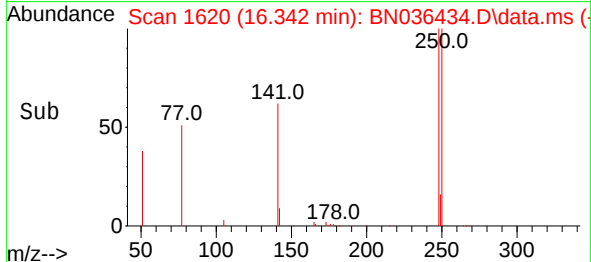
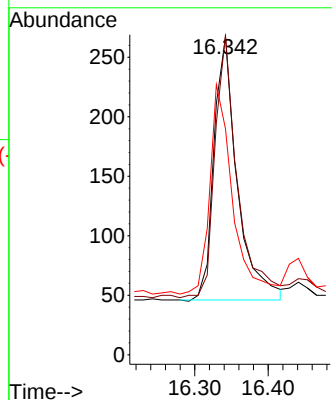
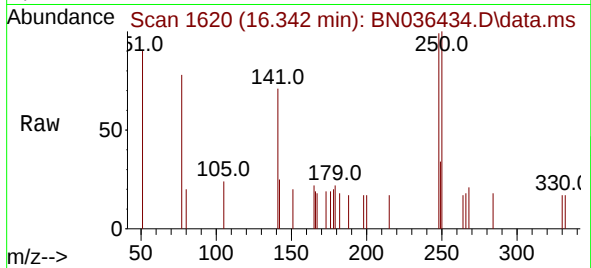




#21  
4-Bromophenyl-phenylether  
Concen: 0.099 ng  
RT: 16.342 min Scan# 1620  
Delta R.T. 0.012 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

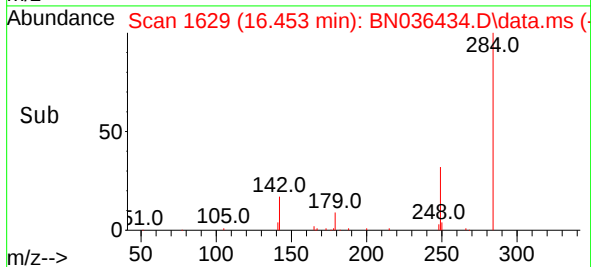
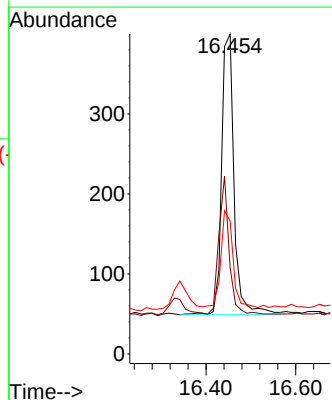
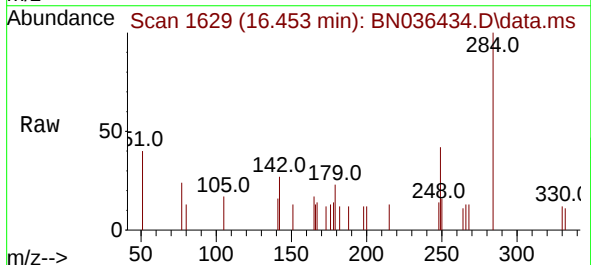
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

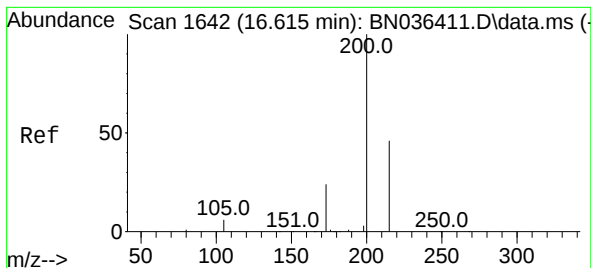
Tgt Ion:248 Resp: 487  
Ion Ratio Lower Upper  
248 100  
250 100.7 76.1 114.1  
141 71.2 71.7 107.5#



#22  
Hexachlorobenzene  
Concen: 0.111 ng  
RT: 16.453 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

Tgt Ion:284 Resp: 676  
Ion Ratio Lower Upper  
284 100  
142 40.1 33.4 50.0  
249 33.7 28.6 43.0





#23

Atrazine

Concen: 0.102 ng

RT: 16.615 min Scan# 1642

Delta R.T. 0.000 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT1-2025

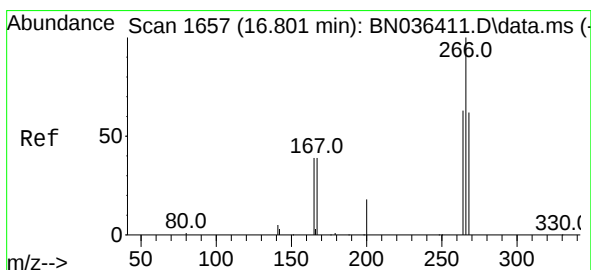
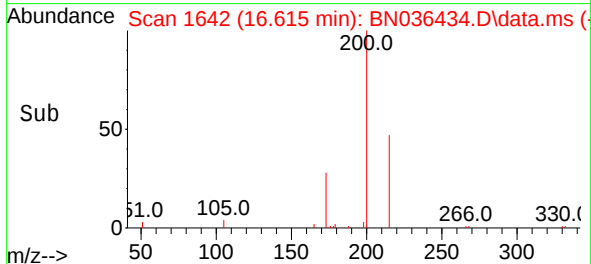
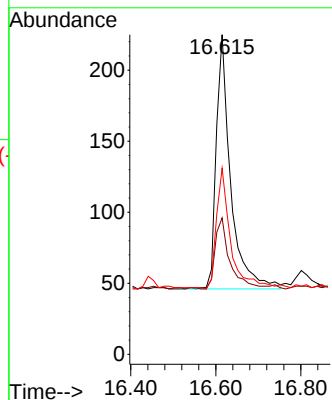
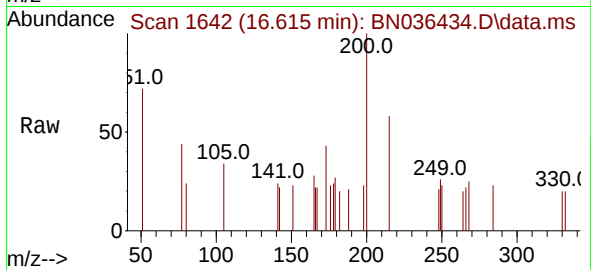
Tgt Ion:200 Resp: 422

Ion Ratio Lower Upper

200 100

173 42.7 23.2 34.8#

215 58.2 40.0 60.0



#24

Pentachlorophenol

Concen: 0.048 ng

RT: 16.801 min Scan# 1657

Delta R.T. 0.000 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

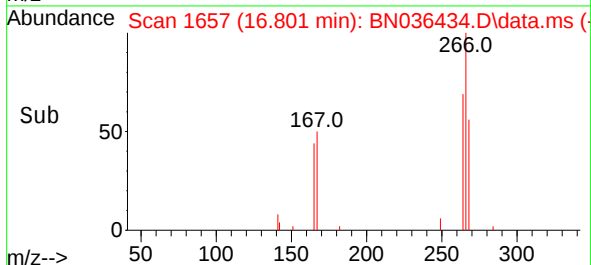
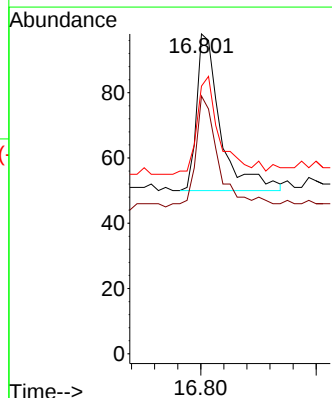
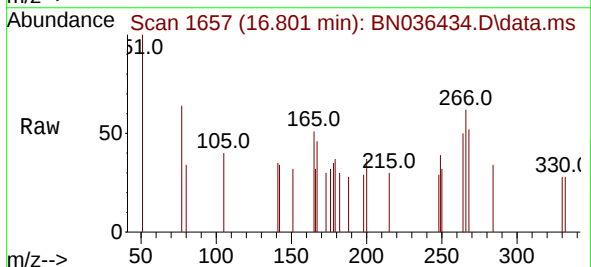
Tgt Ion:266 Resp: 138

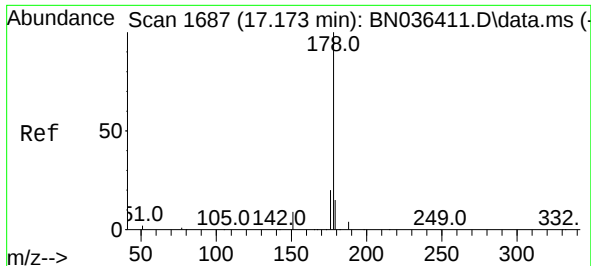
Ion Ratio Lower Upper

266 100

264 68.8 50.6 76.0

268 58.0 51.9 77.9

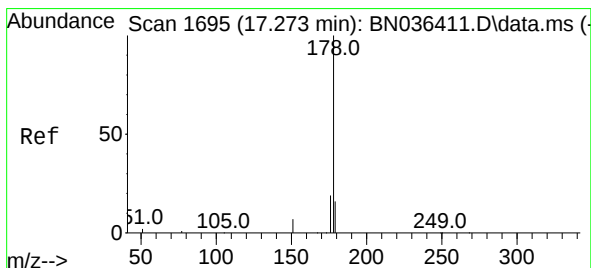
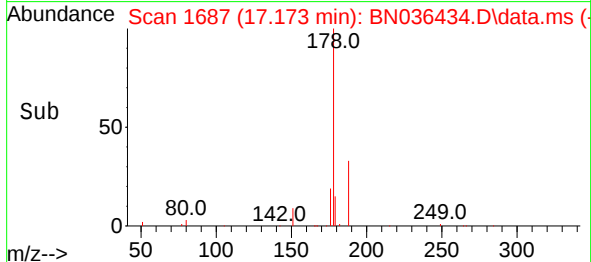
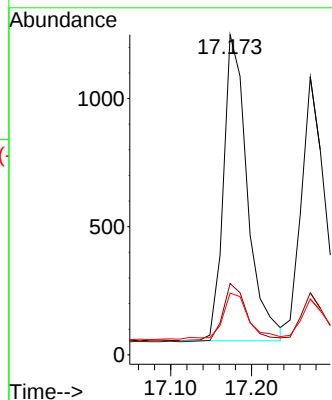
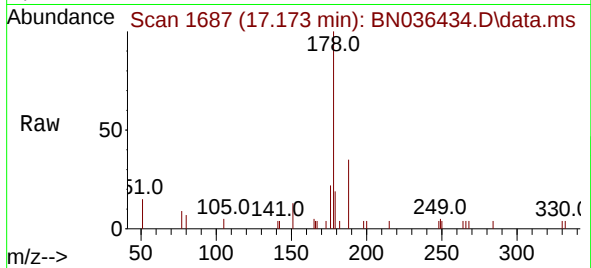




#25  
Phenanthrene  
Concen: 0.103 ng  
RT: 17.173 min Scan# 1687  
Delta R.T. 0.000 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

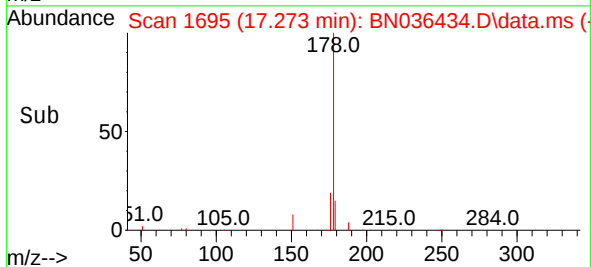
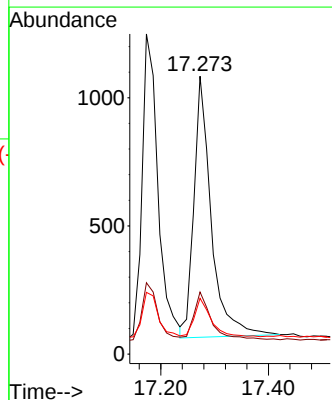
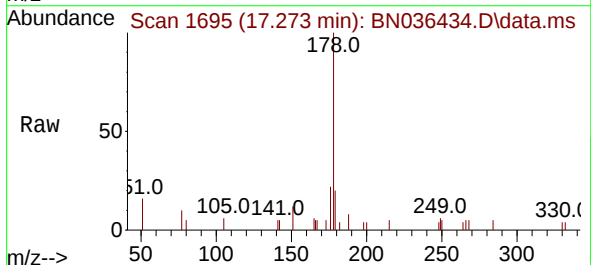
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BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

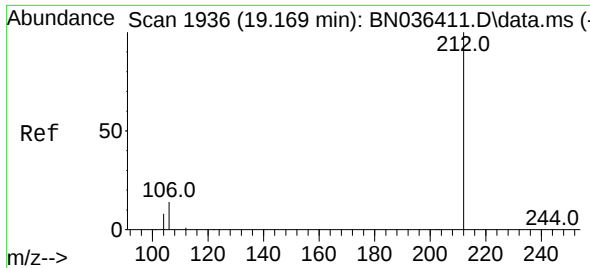
Tgt Ion:178 Resp: 2462  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.7 23.5  
179 17.1 12.4 18.6



#26  
Anthracene  
Concen: 0.108 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. 0.000 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

Tgt Ion:178 Resp: 2279  
Ion Ratio Lower Upper  
178 100  
176 19.1 14.9 22.3  
179 14.8 12.4 18.6

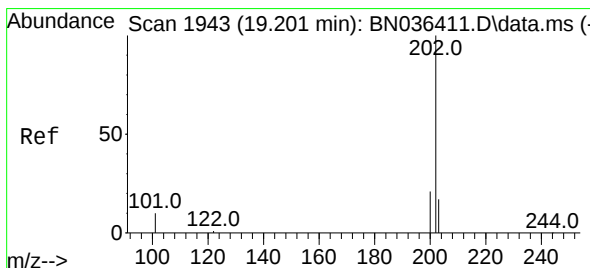
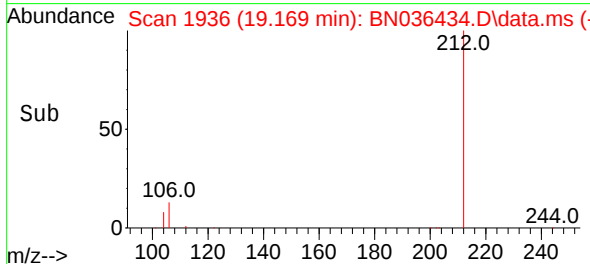
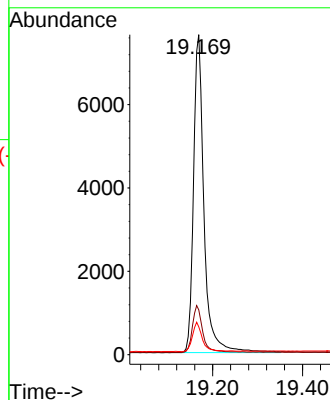
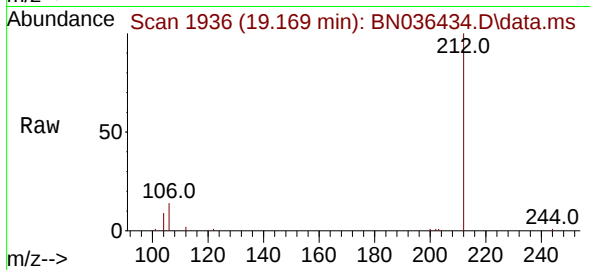




#27  
Fluoranthene-d10  
Concen: 0.538 ng  
RT: 19.169 min Scan# 1936  
Delta R.T. 0.000 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

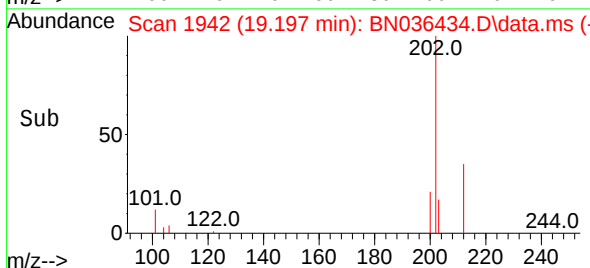
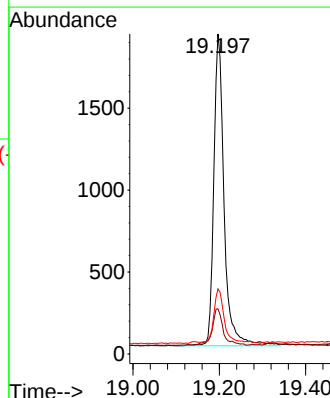
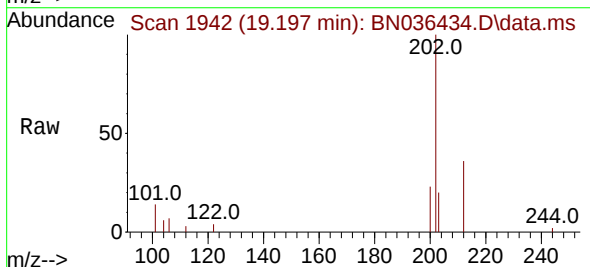
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

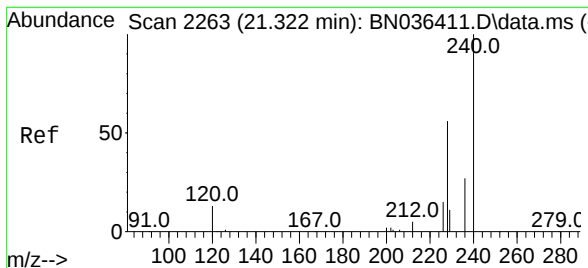
Tgt Ion:212 Resp: 12385  
Ion Ratio Lower Upper  
212 100  
106 14.3 11.5 17.3  
104 8.7 7.1 10.7



#28  
Fluoranthene  
Concen: 0.108 ng  
RT: 19.197 min Scan# 1942  
Delta R.T. -0.005 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

Tgt Ion:202 Resp: 3160  
Ion Ratio Lower Upper  
202 100  
101 12.1 9.2 13.8  
203 17.5 13.4 20.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.322 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT1-2025

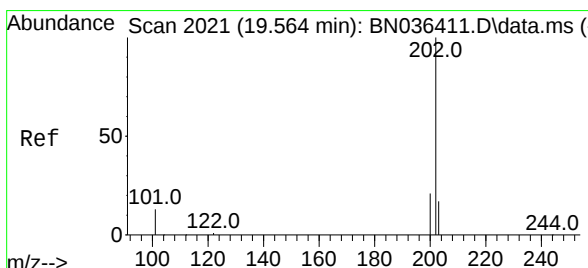
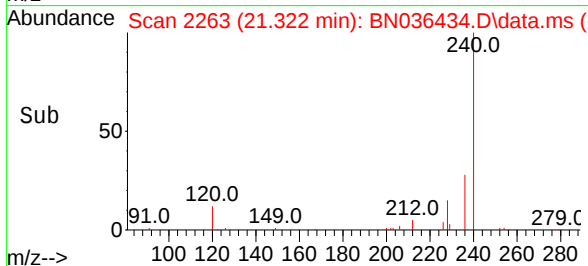
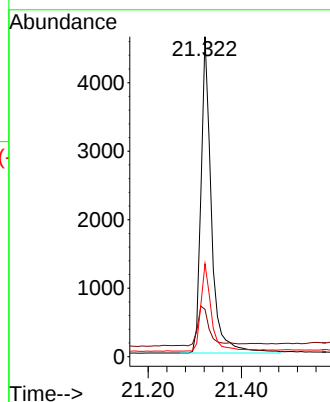
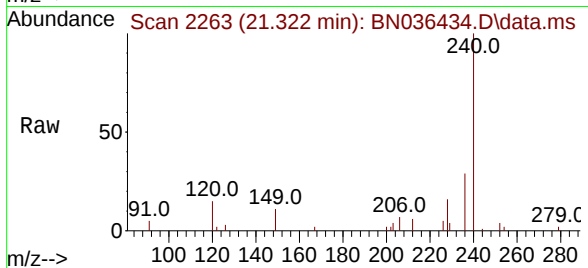
Tgt Ion:240 Resp: 7177

Ion Ratio Lower Upper

240 100

120 14.8 13.3 19.9

236 29.0 23.0 34.6



#30

Pyrene

Concen: 0.114 ng

RT: 19.559 min Scan# 2020

Delta R.T. -0.005 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

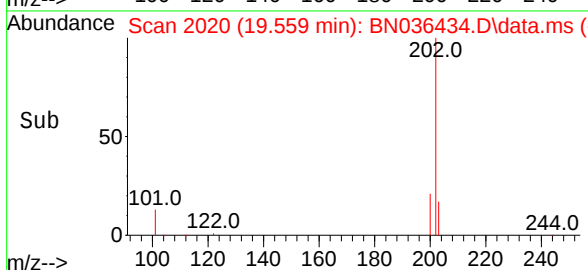
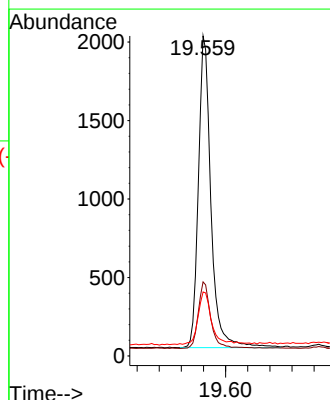
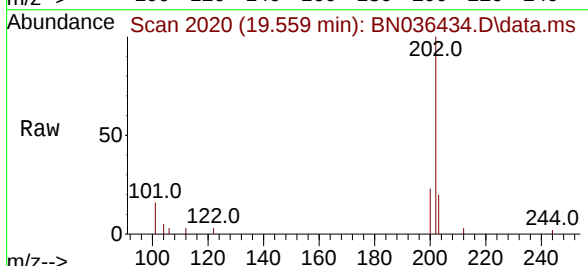
Tgt Ion:202 Resp: 3139

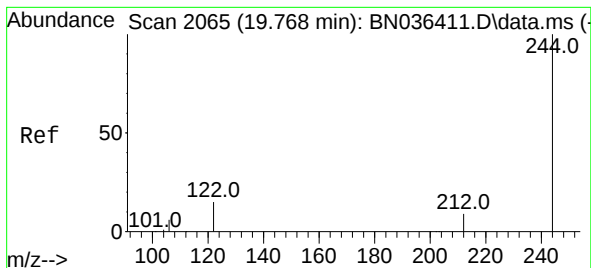
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 18.0 13.9 20.9





#31

Terphenyl-d14

Concen: 0.382 ng

RT: 19.768 min Scan# 2065

Delta R.T. 0.000 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

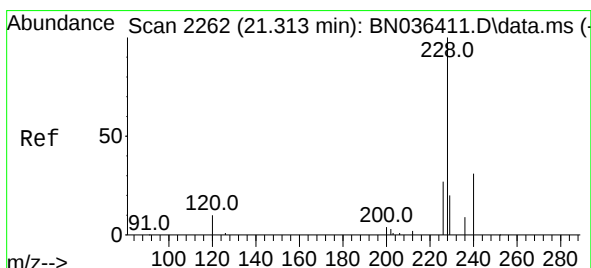
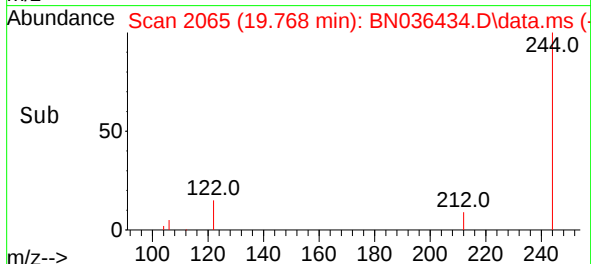
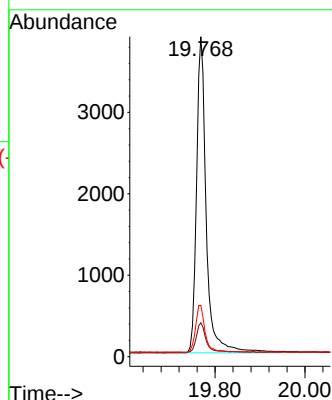
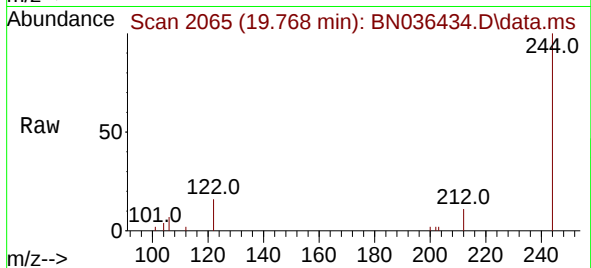
Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT1-2025

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 244   | Resp: | 5852 |
| Ion Ratio | Lower | Upper |      |
| 244       | 100   |       |      |
| 212       | 10.6  | 8.1   | 12.1 |
| 122       | 16.0  | 12.8  | 19.2 |



#32

Benzo(a)anthracene

Concen: 0.115 ng

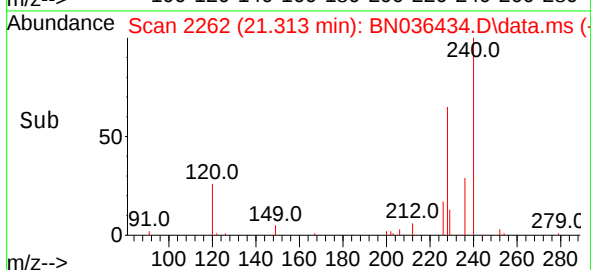
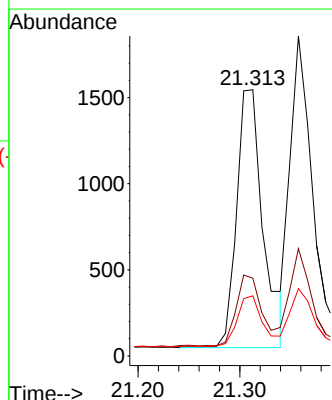
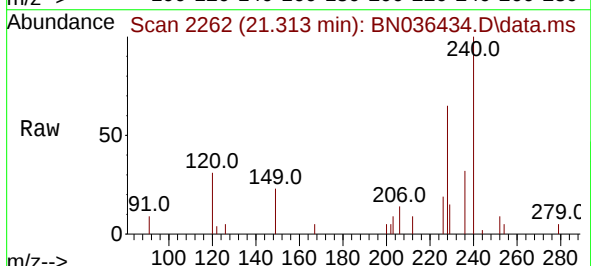
RT: 21.313 min Scan# 2262

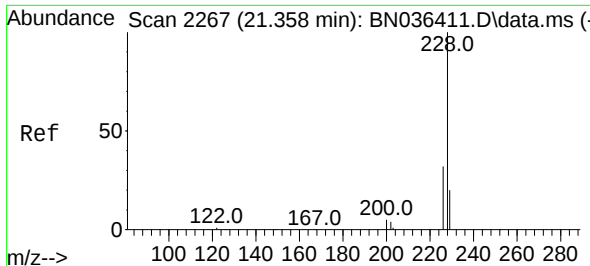
Delta R.T. 0.000 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 2710 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 29.2  | 22.2  | 33.2 |
| 229       | 22.6  | 16.5  | 24.7 |





#33

Chrysene

Concen: 0.115 ng

RT: 21.358 min Scan# 2267

Delta R.T. 0.000 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT1-2025

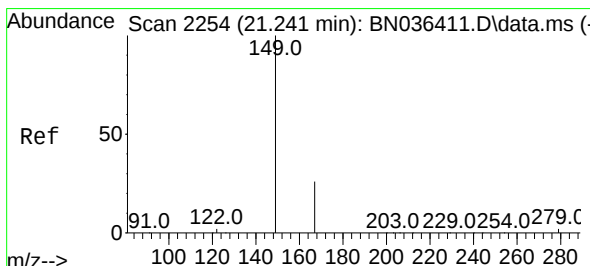
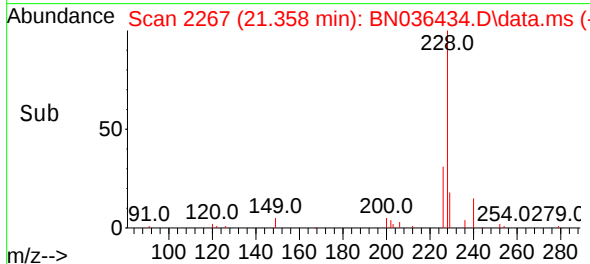
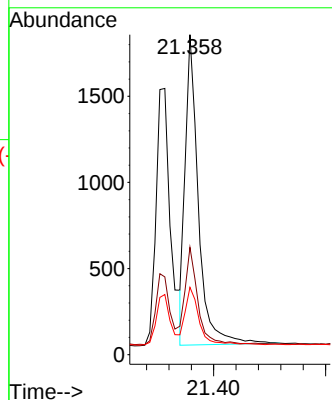
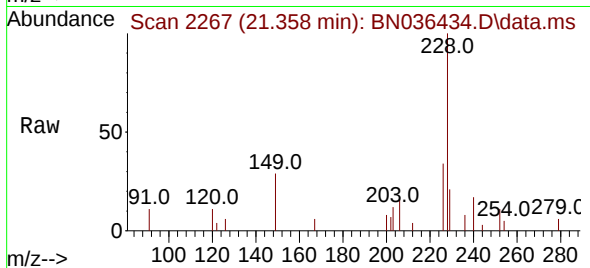
Tgt Ion:228 Resp: 2938

Ion Ratio Lower Upper

228 100

226 33.5 25.5 38.3

229 21.0 16.4 24.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.122 ng

RT: 21.241 min Scan# 2254

Delta R.T. 0.000 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

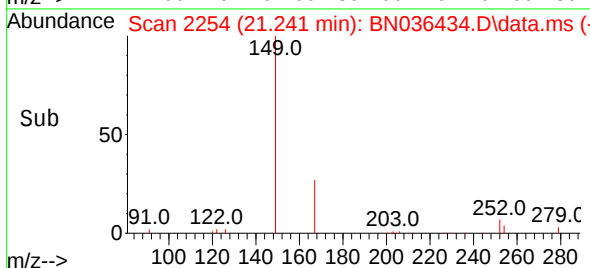
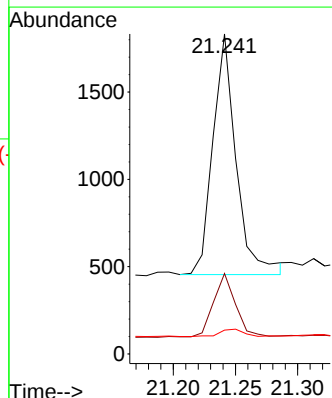
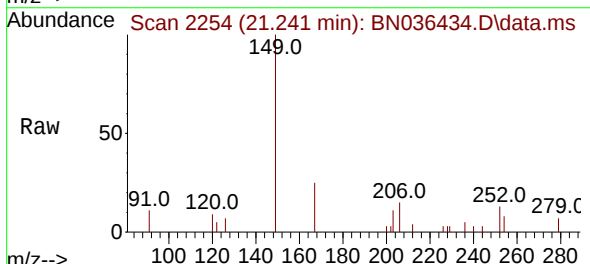
Tgt Ion:149 Resp: 1791

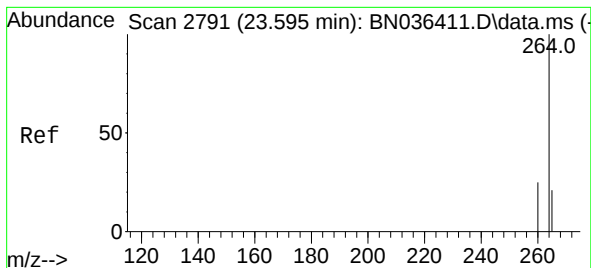
Ion Ratio Lower Upper

149 100

167 25.9 21.2 31.8

279 3.3 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.592 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN036434.D

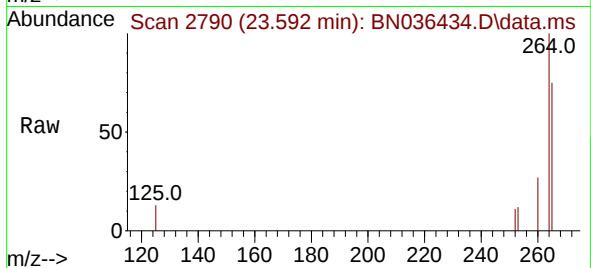
Acq: 12 Feb 2025 10:56

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT1-2025



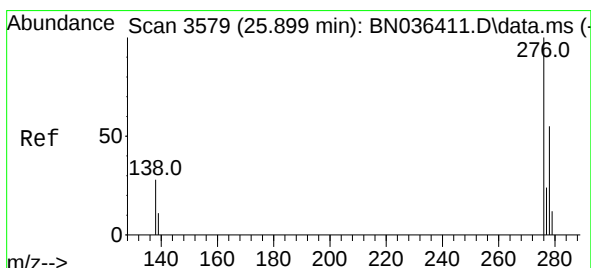
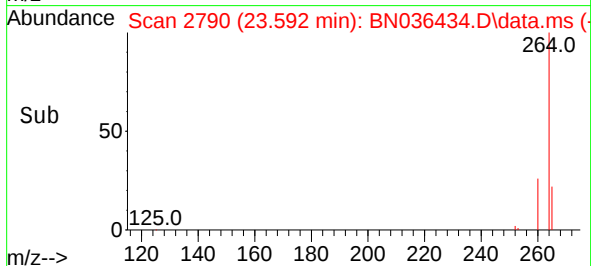
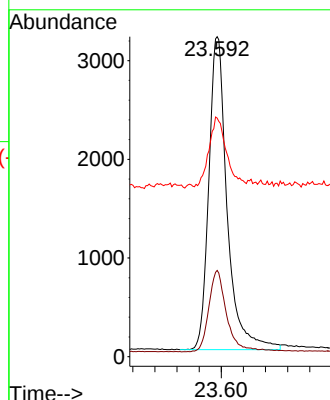
Tgt Ion:264 Resp: 7305

Ion Ratio Lower Upper

264 100

260 27.0 20.9 31.3

265 74.5 60.7 91.1



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.112 ng

RT: 25.899 min Scan# 3579

Delta R.T. 0.000 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

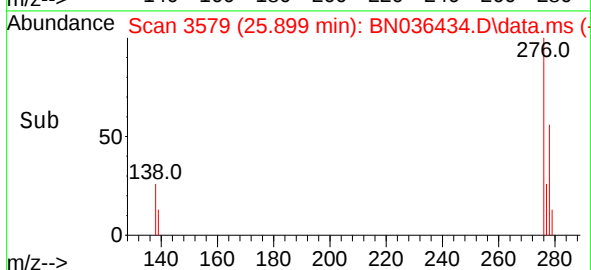
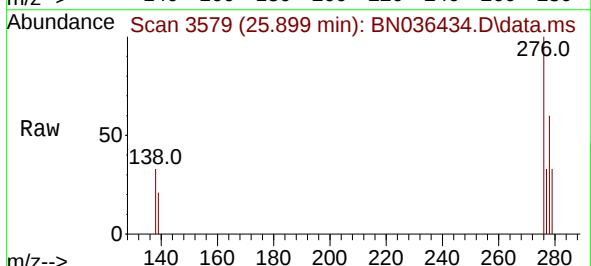
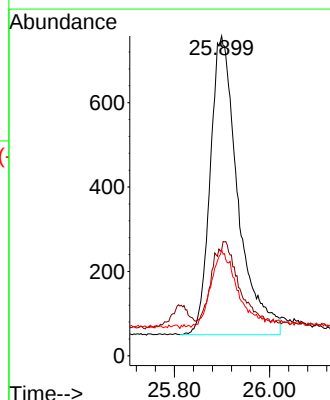
Tgt Ion:276 Resp: 2854

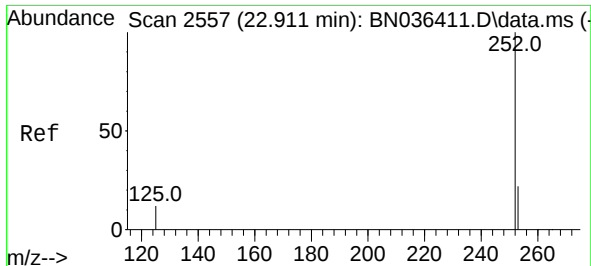
Ion Ratio Lower Upper

276 100

138 26.9 22.2 33.2

277 24.0 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.122 ng

RT: 22.908 min Scan# 2556

Delta R.T. -0.003 min

Lab File: BN036434.D

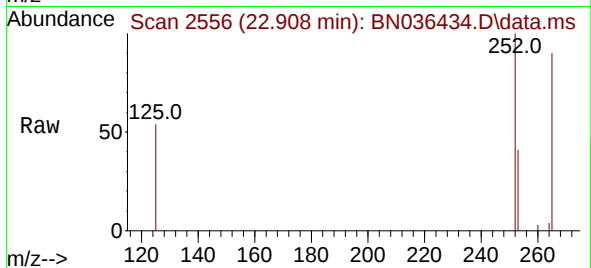
Acq: 12 Feb 2025 10:56

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT1-2025



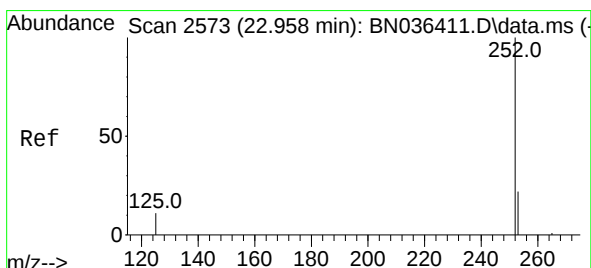
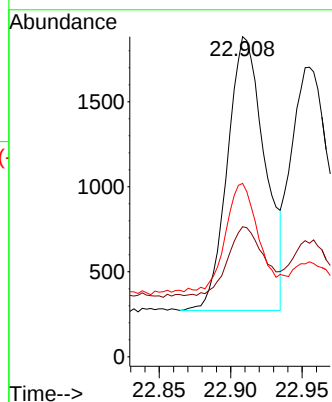
Tgt Ion:252 Resp: 2933

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|     |     |  |  |
|-----|-----|--|--|
| 252 | 100 |  |  |
|-----|-----|--|--|

|     |      |      |       |
|-----|------|------|-------|
| 253 | 40.6 | 21.9 | 32.9# |
|-----|------|------|-------|

|     |      |      |       |
|-----|------|------|-------|
| 125 | 54.2 | 15.0 | 22.6# |
|-----|------|------|-------|



#38

Benzo(k)fluoranthene

Concen: 0.125 ng

RT: 22.955 min Scan# 2572

Delta R.T. -0.003 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

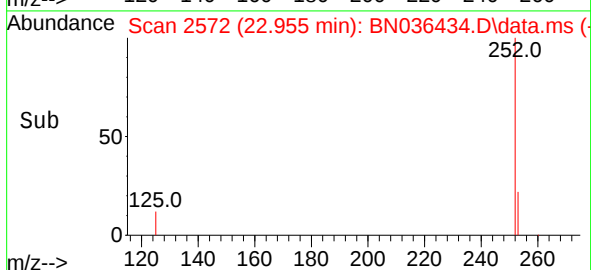
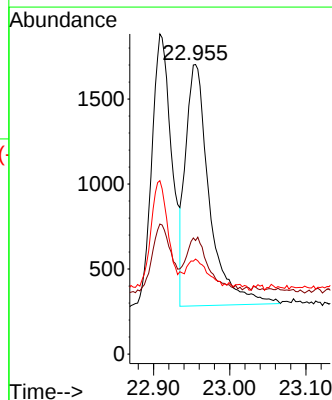
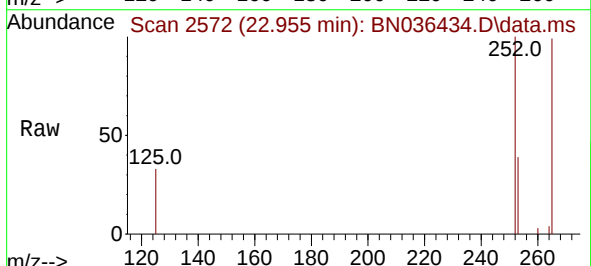
Tgt Ion:252 Resp: 3093

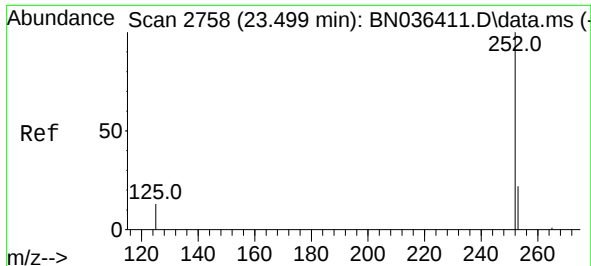
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|     |     |  |  |
|-----|-----|--|--|
| 252 | 100 |  |  |
|-----|-----|--|--|

|     |      |      |       |
|-----|------|------|-------|
| 253 | 39.2 | 22.2 | 33.4# |
|-----|------|------|-------|

|     |      |      |       |
|-----|------|------|-------|
| 125 | 32.8 | 15.0 | 22.4# |
|-----|------|------|-------|





#39

Benzo(a)pyrene

Concen: 0.123 ng

RT: 23.493 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN036434.D

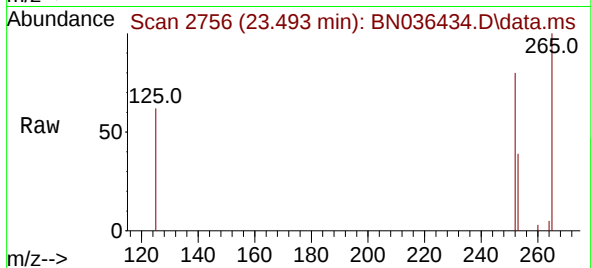
Acq: 12 Feb 2025 10:56

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT1-2025



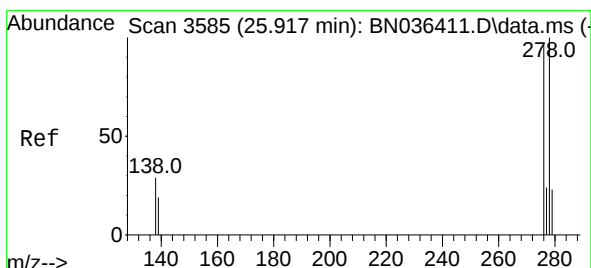
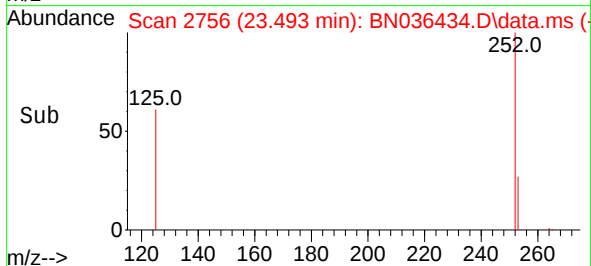
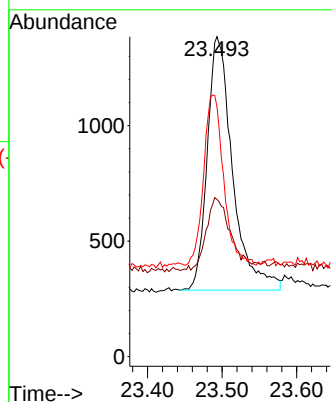
Tgt Ion:252 Resp: 2589

Ion Ratio Lower Upper

252 100

253 49.1 24.4 36.6#

125 78.1 18.2 27.2#



#40

Dibenzo(a,h)anthracene

Concen: 0.104 ng

RT: 25.917 min Scan# 3585

Delta R.T. 0.000 min

Lab File: BN036434.D

Acq: 12 Feb 2025 10:56

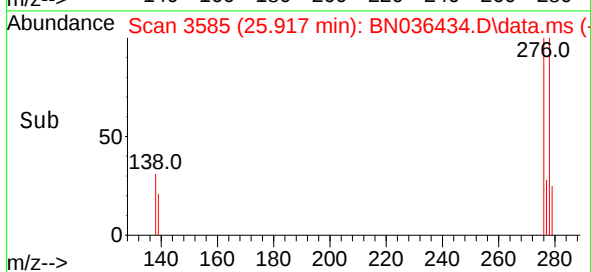
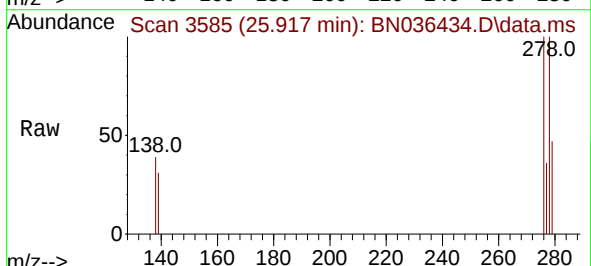
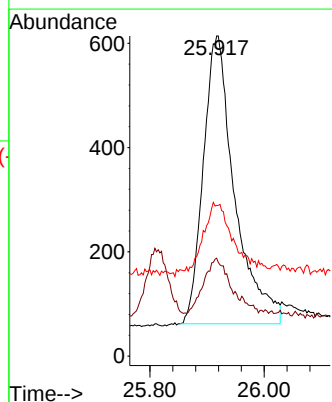
Tgt Ion:278 Resp: 2101

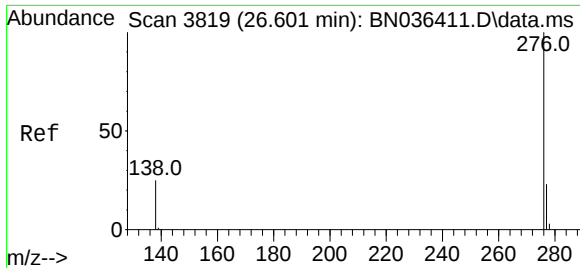
Ion Ratio Lower Upper

278 100

139 30.6 18.5 27.7#

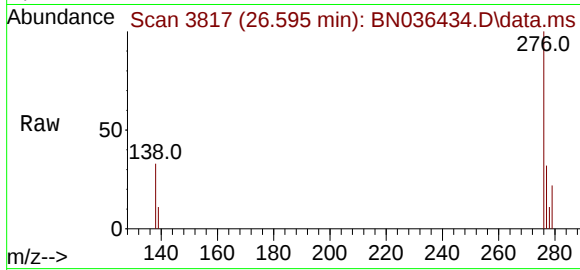
279 47.1 24.8 37.2#





#41  
Benzo(g,h,i)perylene  
Concen: 0.108 ng  
RT: 26.595 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BN036434.D  
Acq: 12 Feb 2025 10:56

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025



Tgt Ion:276 Resp: 2466  
Ion Ratio Lower Upper  
276 100  
277 31.8 20.7 31.1#  
138 33.0 21.8 32.6#

