

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN021225\  
 Data File : BN036435.D  
 Acq On : 12 Feb 2025 11:31  
 Operator : RC/JU  
 Sample : Q1168-03  
 Misc : MDL-MDL-SOIL 0.2 PPM  
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 12 11:54:36 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

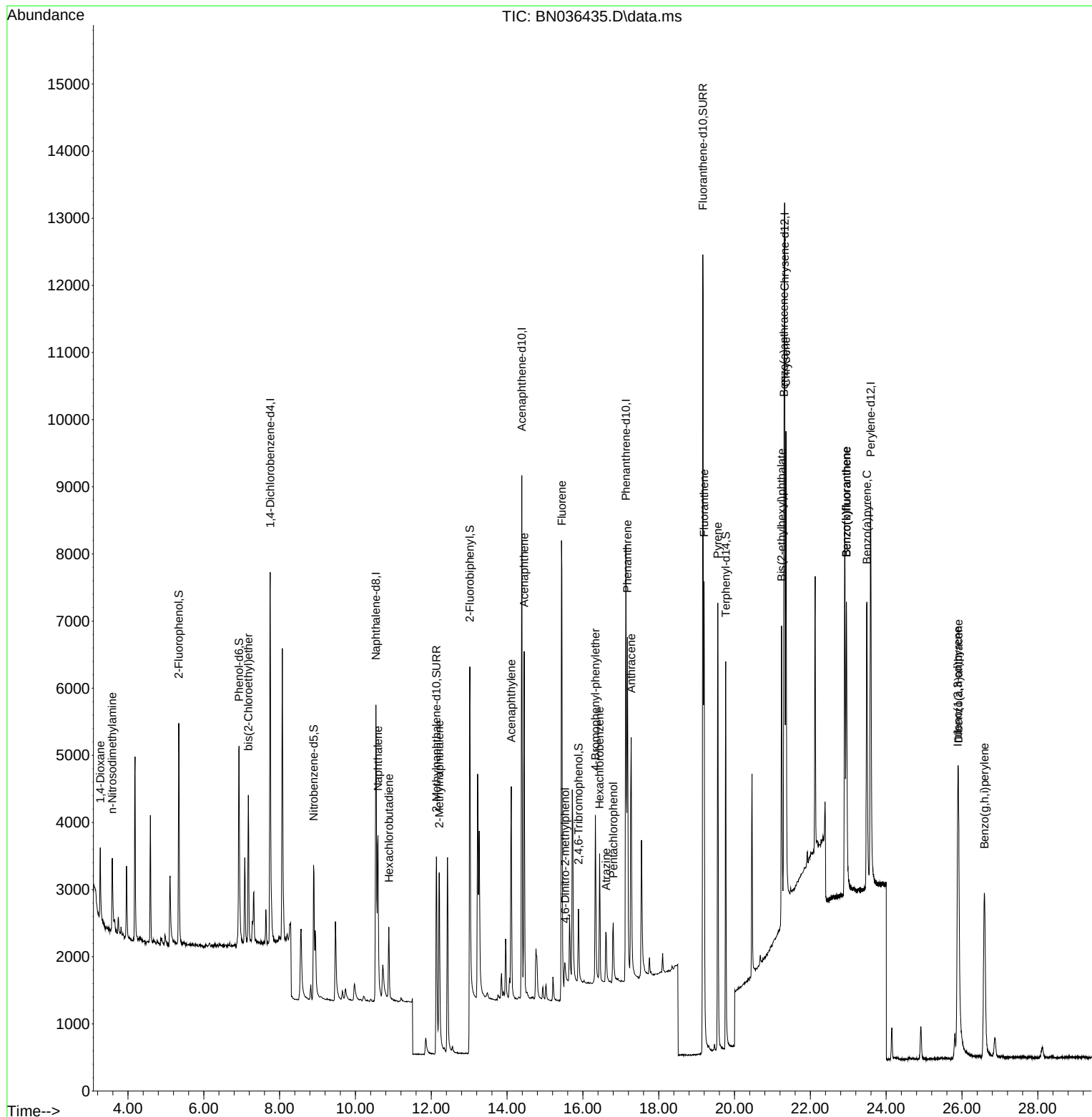
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.753  | 152  | 2814     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.541 | 136  | 6873     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.388 | 164  | 4403     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.136 | 188  | 9975     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.322 | 240  | 8728     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.592 | 264  | 8759     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.341  | 112  | 2497     | 0.375 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.930  | 99   | 2917     | 0.374 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.897  | 82   | 1994     | 0.294 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.136 | 152  | 5584     | 0.529 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.883 | 330  | 708      | 0.324 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.019 | 172  | 5178     | 0.313 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.164 | 212  | 14653    | 0.528 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.768 | 244  | 6268     | 0.336 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.268  | 88   | 604      | 0.196 | ng    | 92       |
| 3) n-Nitrosodimethylamine     | 3.586  | 42   | 1009     | 0.189 | ng    | # 97     |
| 6) bis(2-Chloroethyl)ether    | 7.176  | 93   | 1652     | 0.202 | ng    | 97       |
| 9) Naphthalene                | 10.594 | 128  | 3698     | 0.186 | ng    | 98       |
| 10) Hexachlorobutadiene       | 10.883 | 225  | 951      | 0.197 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.212 | 142  | 2486     | 0.191 | ng    | 98       |
| 16) Acenaphthylene            | 14.110 | 152  | 3909     | 0.201 | ng    | 99       |
| 17) Acenaphthene              | 14.452 | 154  | 2536     | 0.195 | ng    | 99       |
| 18) Fluorene                  | 15.446 | 166  | 3555     | 0.192 | ng    | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.535 | 198  | 282      | 0.144 | ng    | # 59     |
| 21) 4-Bromophenyl-phenylether | 16.329 | 248  | 1135     | 0.191 | ng    | 98       |
| 22) Hexachlorobenzene         | 16.441 | 284  | 1443     | 0.196 | ng    | 98       |
| 23) Atrazine                  | 16.615 | 200  | 913      | 0.184 | ng    | 95       |
| 24) Pentachlorophenol         | 16.801 | 266  | 626      | 0.179 | ng    | 99       |
| 25) Phenanthrene              | 17.173 | 178  | 5621     | 0.195 | ng    | 100      |
| 26) Anthracene                | 17.273 | 178  | 5017     | 0.197 | ng    | 100      |
| 28) Fluoranthene              | 19.197 | 202  | 6483     | 0.183 | ng    | 98       |
| 30) Pyrene                    | 19.559 | 202  | 6632     | 0.197 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.304 | 228  | 5547     | 0.193 | ng    | 99       |
| 33) Chrysene                  | 21.358 | 228  | 6466     | 0.208 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.241 | 149  | 3558     | 0.199 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.888 | 276  | 6704     | 0.219 | ng    | 97       |
| 37) Benzo(b)fluoranthene      | 22.952 | 252  | 6400     | 0.222 | ng    | 94       |
| 38) Benzo(k)fluoranthene      | 22.952 | 252  | 6400     | 0.216 | ng    | 94       |
| 39) Benzo(a)pyrene            | 23.493 | 252  | 5595     | 0.222 | ng    | # 63     |
| 40) Dibenzo(a,h)anthracene    | 25.908 | 278  | 5154     | 0.213 | ng    | 98       |
| 41) Benzo(g,h,i)perylene      | 26.592 | 276  | 5805     | 0.212 | ng    | 96       |
| -----                         |        |      |          |       |       |          |

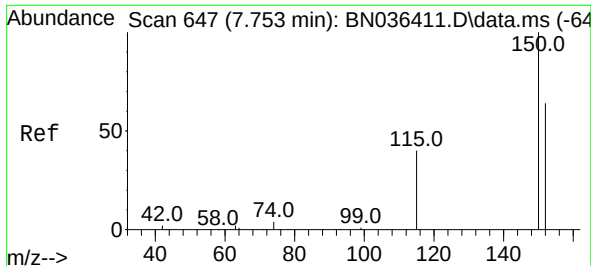
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN021225\  
Data File : BN036435.D  
Acq On : 12 Feb 2025 11:31  
Operator : RC/JU  
Sample : Q1168-03  
Misc : MDL-MDL-SOIL 0.2 PPM  
ALS Vial : 5 Sample Multiplier: 1

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

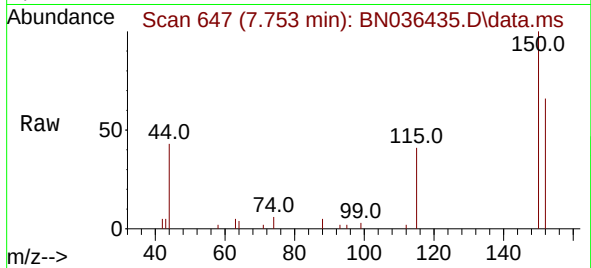
Quant Time: Feb 12 11:54:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN021025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 11 01:17:14 2025  
Response via : Initial Calibration



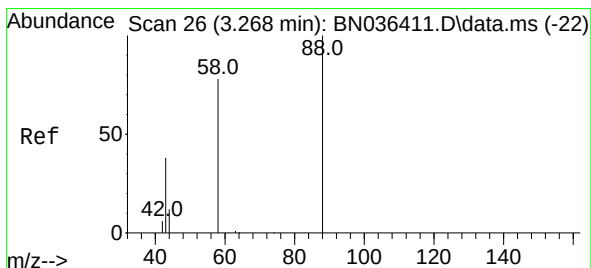
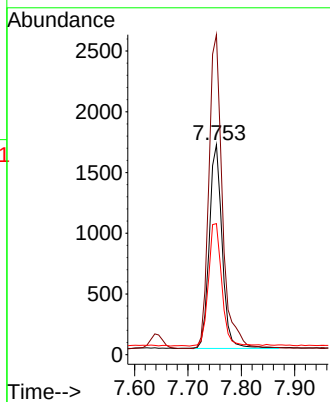
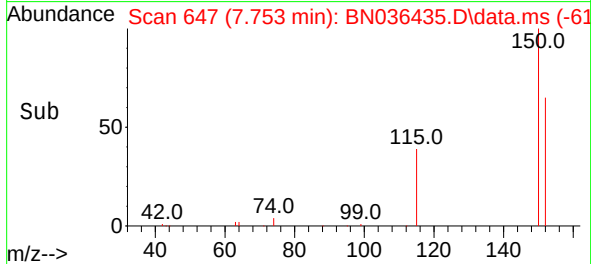


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.753 min Scan# 64  
 Delta R.T. 0.000 min  
 Lab File: BN036435.D  
 Acq: 12 Feb 2025 11:31

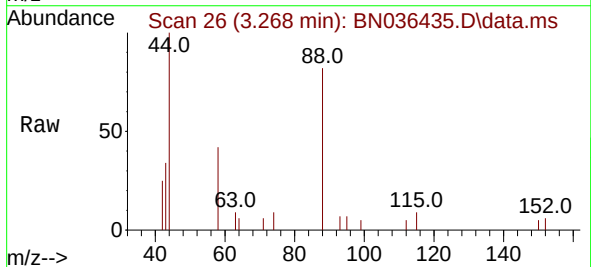
Instrument :  
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 ClientSampleId :  
 MDL-SOIL-03-QT1-2025



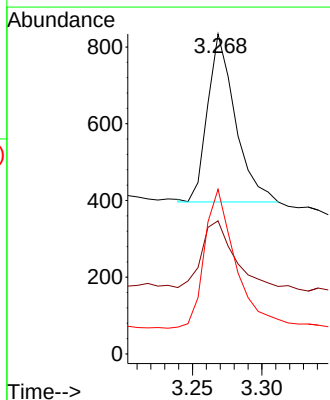
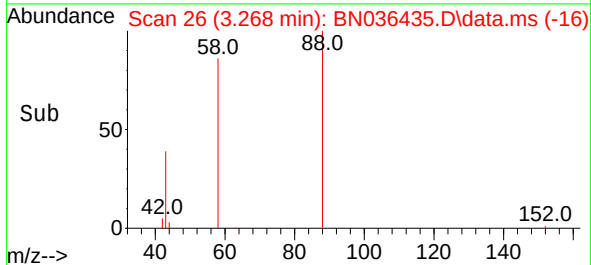
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 Ion Ratio Lower Upper  
 152 100  
 150 152.4 123.7 185.5  
 115 62.4 52.5 78.7

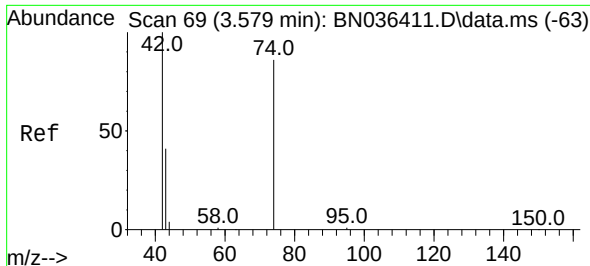


#2  
 1,4-Dioxane  
 Concen: 0.196 ng  
 RT: 3.268 min Scan# 26  
 Delta R.T. 0.000 min  
 Lab File: BN036435.D  
 Acq: 12 Feb 2025 11:31



Tgt Ion: 88 Resp: 604  
 Ion Ratio Lower Upper  
 88 100  
 43 45.9 33.7 50.5  
 58 93.7 68.9 103.3

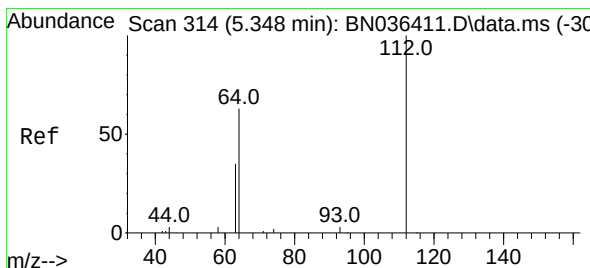
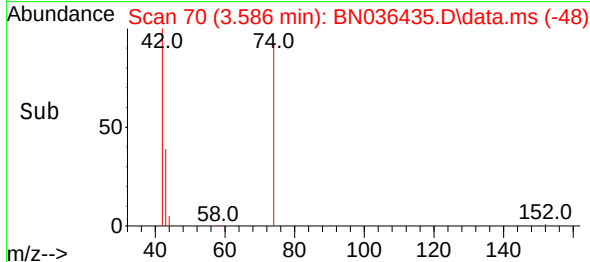
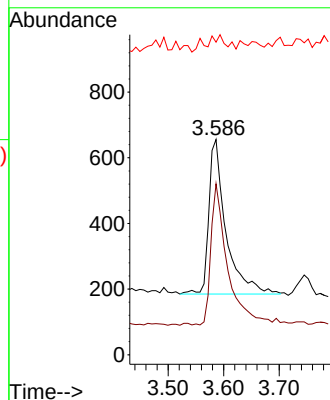
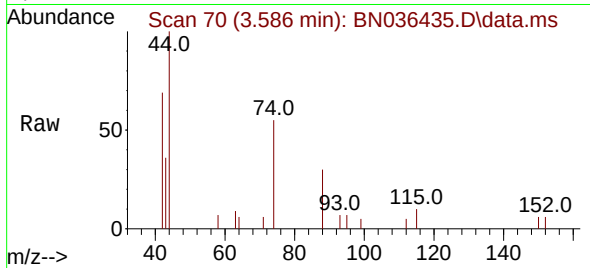




#3  
 n-Nitrosodimethylamine  
 Concen: 0.189 ng  
 RT: 3.586 min Scan# 70  
 Delta R.T. 0.007 min  
 Lab File: BN036435.D  
 Acq: 12 Feb 2025 11:31

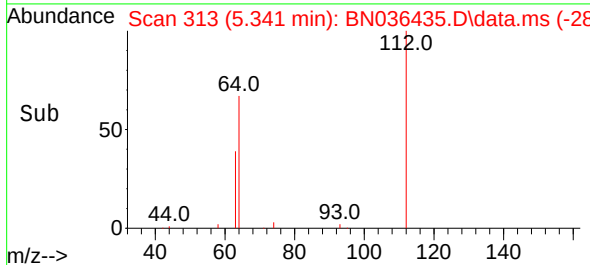
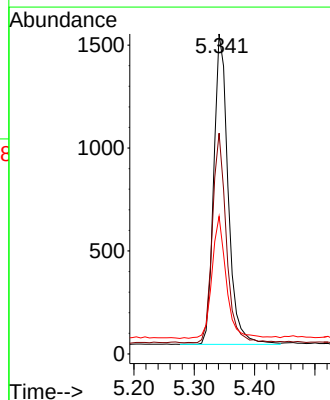
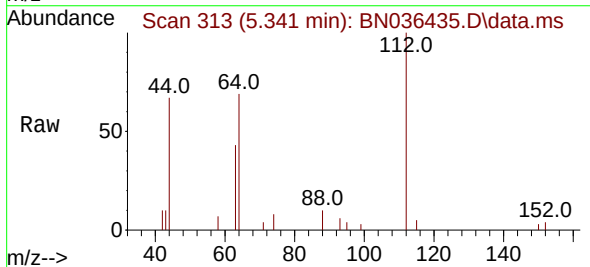
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-03-QT1-2025

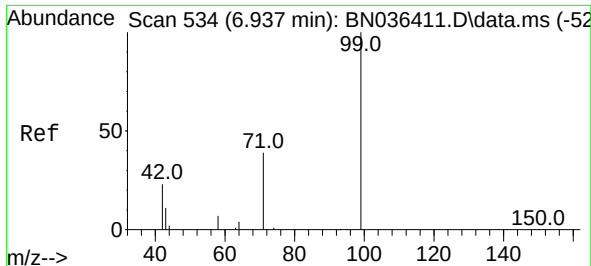
Tgt Ion: 42 Resp: 1009  
 Ion Ratio Lower Upper  
 42 100  
 74 88.1 71.8 107.6  
 44 5.4 7.8 11.6#



#4  
 2-Fluorophenol  
 Concen: 0.375 ng  
 RT: 5.341 min Scan# 313  
 Delta R.T. -0.007 min  
 Lab File: BN036435.D  
 Acq: 12 Feb 2025 11:31

Tgt Ion: 112 Resp: 2497  
 Ion Ratio Lower Upper  
 112 100  
 64 65.7 53.4 80.0  
 63 39.5 30.3 45.5

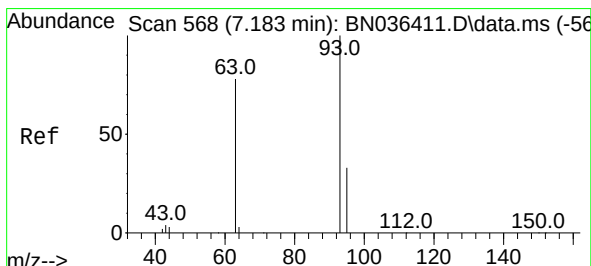
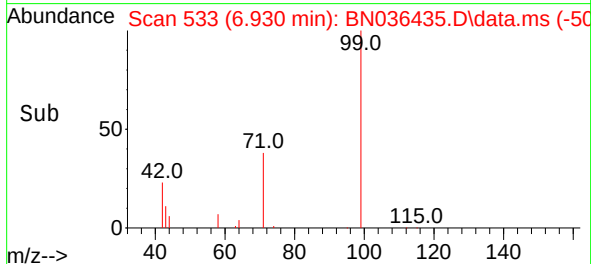
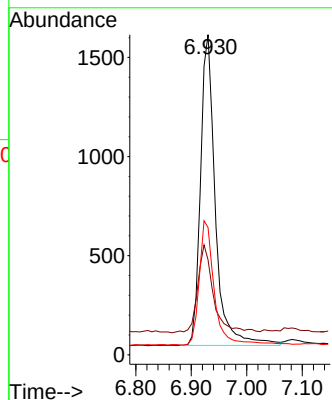
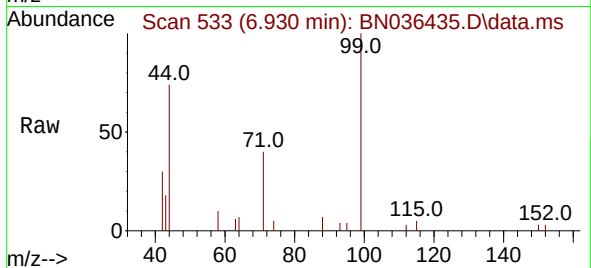




#5  
Phenol-d6  
Concen: 0.374 ng  
RT: 6.930 min Scan# 51  
Delta R.T. -0.007 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

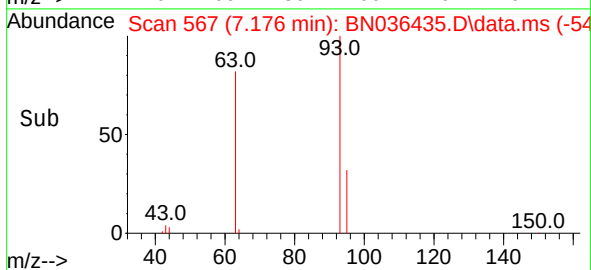
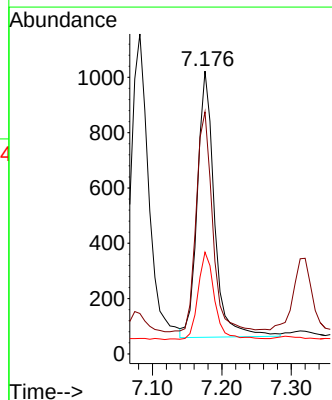
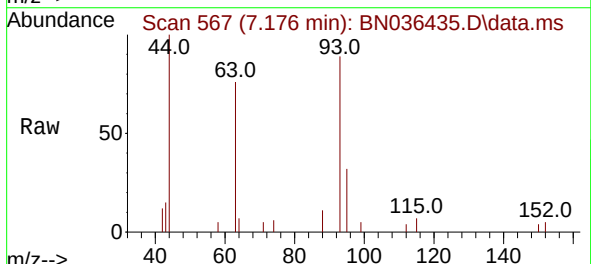
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

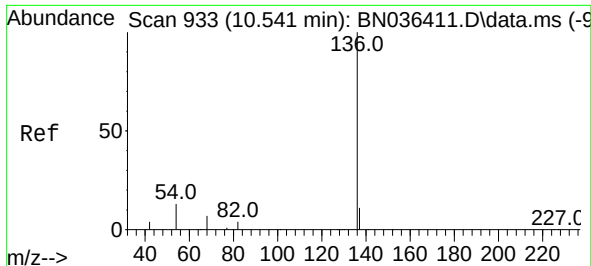
Tgt Ion: 99 Resp: 2917  
Ion Ratio Lower Upper  
99 100  
42 29.9 21.7 32.5  
71 41.0 32.6 49.0



#6  
bis(2-Chloroethyl)ether  
Concen: 0.202 ng  
RT: 7.176 min Scan# 567  
Delta R.T. -0.007 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

Tgt Ion: 93 Resp: 1652  
Ion Ratio Lower Upper  
93 100  
63 79.8 66.3 99.5  
95 31.8 26.2 39.4

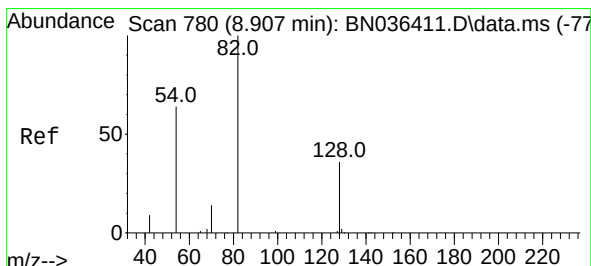
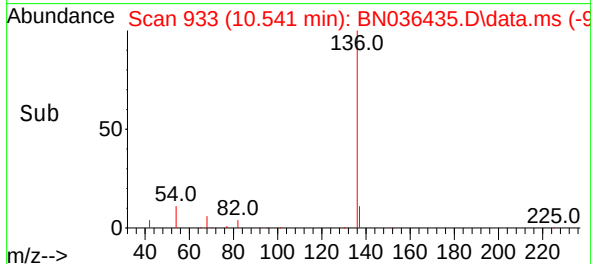
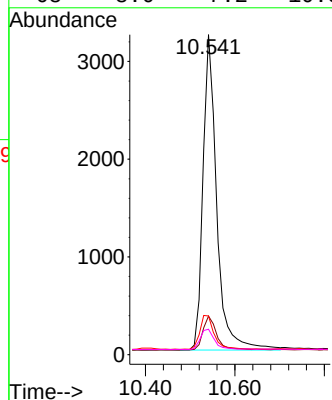
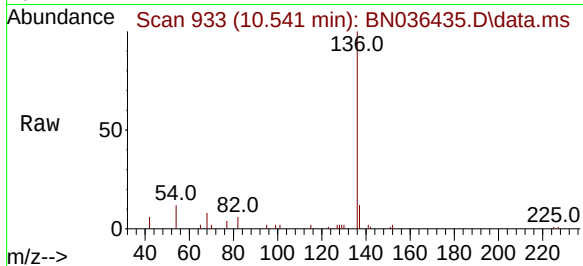




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.541 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

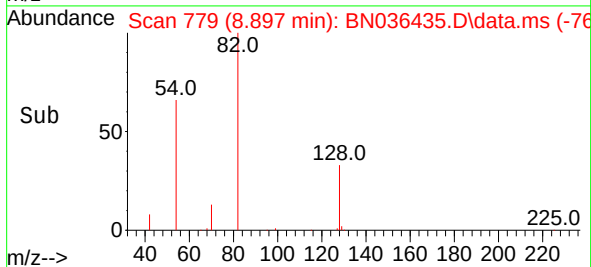
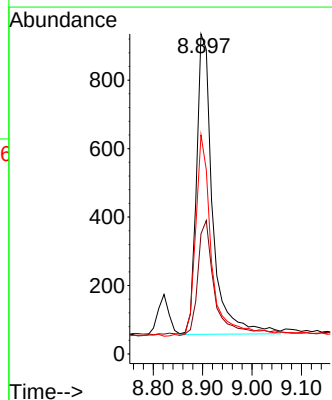
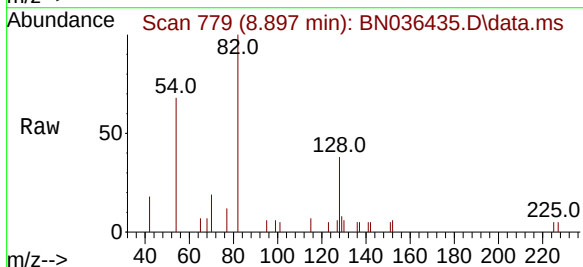
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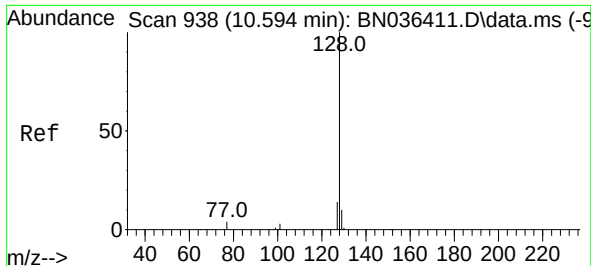
Tgt Ion:136 Resp: 6873  
Ion Ratio Lower Upper  
136 100  
137 12.0 10.1 15.1  
54 12.1 11.8 17.6  
68 8.0 7.2 10.8



#8  
Nitrobenzene-d5  
Concen: 0.294 ng  
RT: 8.897 min Scan# 779  
Delta R.T. -0.011 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

Tgt Ion: 82 Resp: 1994  
Ion Ratio Lower Upper  
82 100  
128 37.5 31.9 47.9  
54 68.4 53.1 79.7

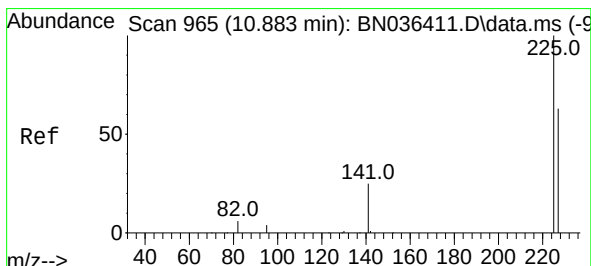
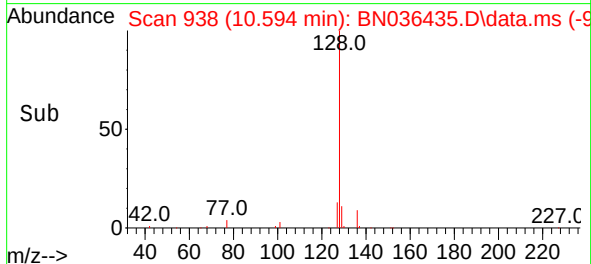
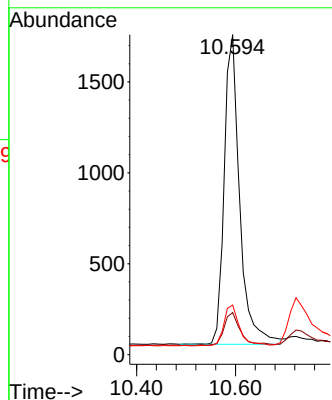
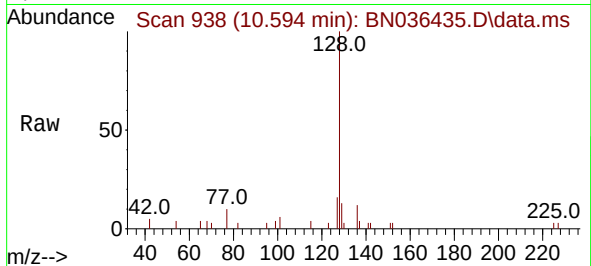




#9  
Naphthalene  
Concen: 0.186 ng  
RT: 10.594 min Scan# 938  
Delta R.T. 0.000 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

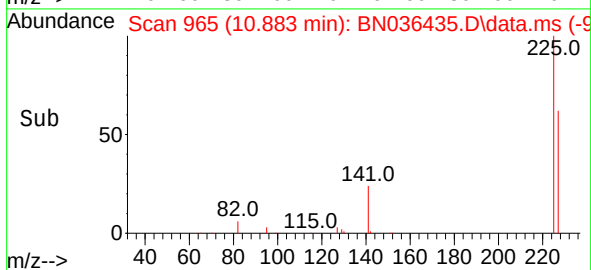
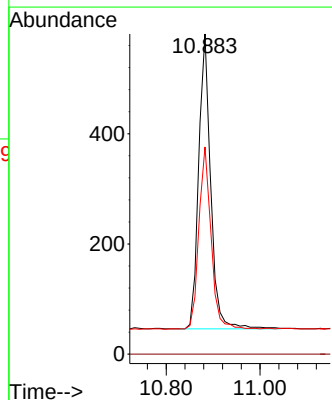
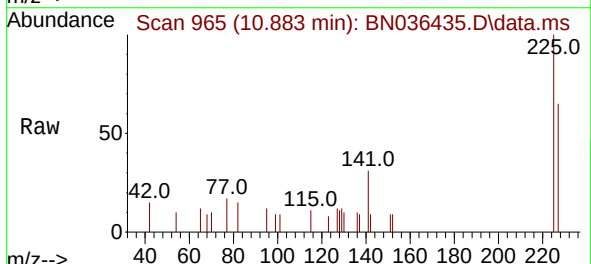
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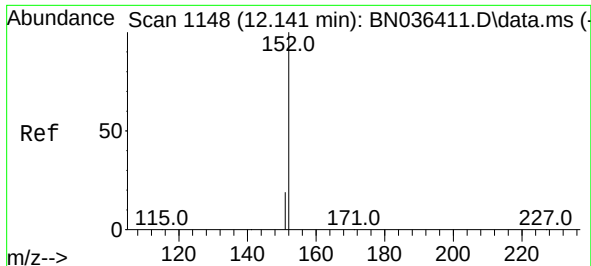
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Ion Ratio Lower Upper  
128 100  
129 13.1 9.6 14.4  
127 15.5 12.0 18.0



#10  
Hexachlorobutadiene  
Concen: 0.197 ng  
RT: 10.883 min Scan# 965  
Delta R.T. 0.000 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

Tgt Ion:225 Resp: 951  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.6 50.9 76.3

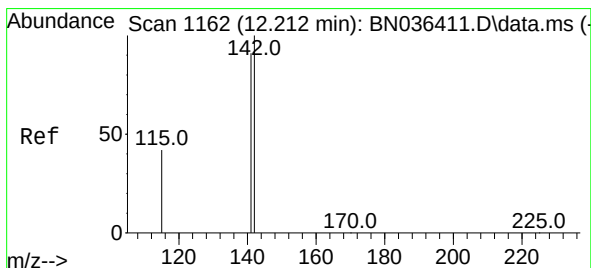
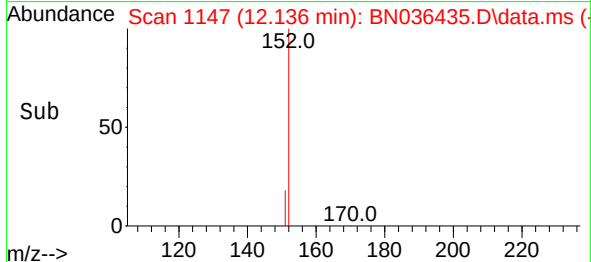
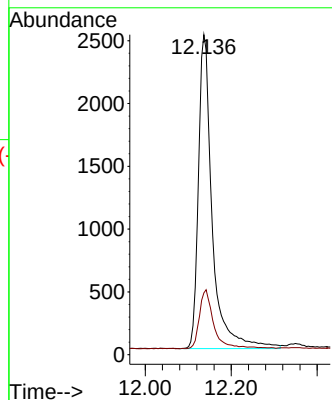
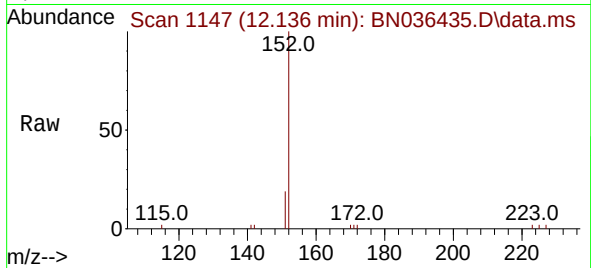




#11  
2-Methylnaphthalene-d10  
Concen: 0.529 ng  
RT: 12.136 min Scan# 1147  
Delta R.T. -0.005 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

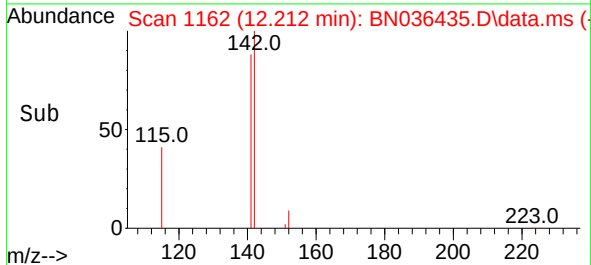
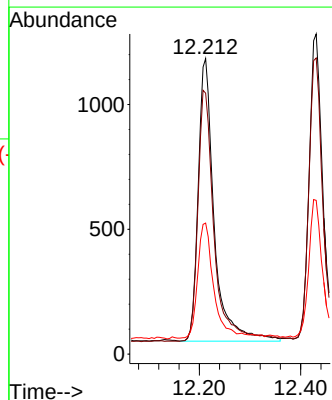
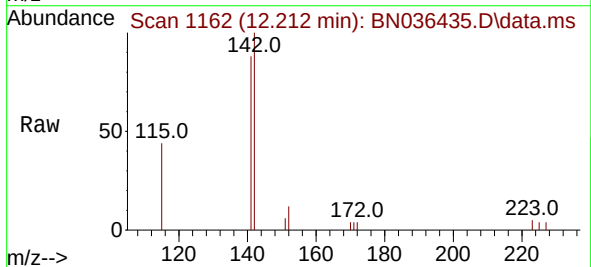
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

Tgt Ion:152 Resp: 5584  
Ion Ratio Lower Upper  
152 100  
151 19.1 16.6 25.0

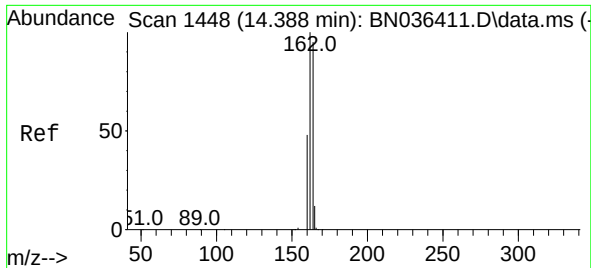


#12  
2-Methylnaphthalene  
Concen: 0.191 ng  
RT: 12.212 min Scan# 1162  
Delta R.T. 0.000 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

Tgt Ion:142 Resp: 2486  
Ion Ratio Lower Upper  
142 100  
141 88.3 72.8 109.2  
115 44.3 35.5 53.3



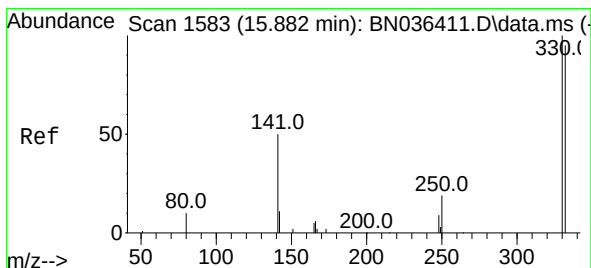
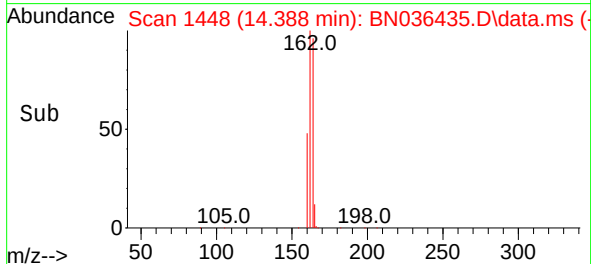
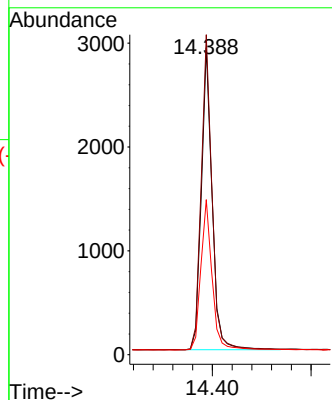
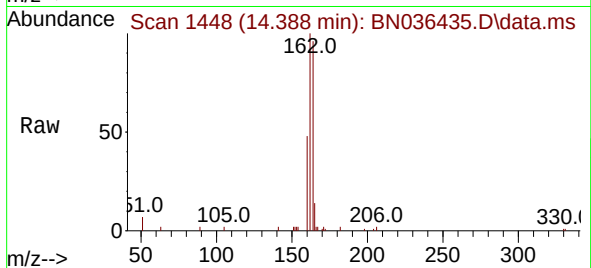




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.388 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

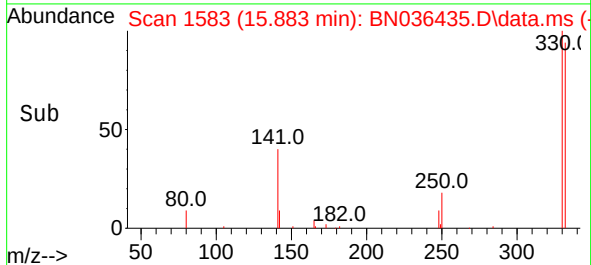
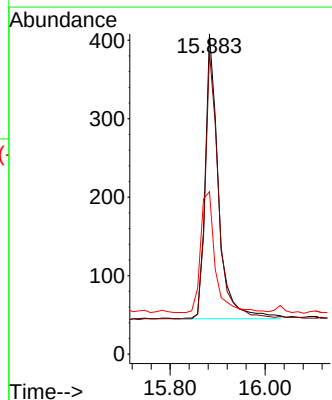
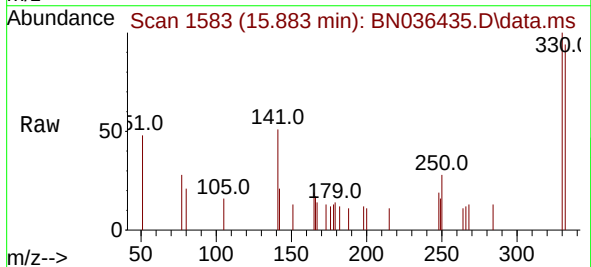
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

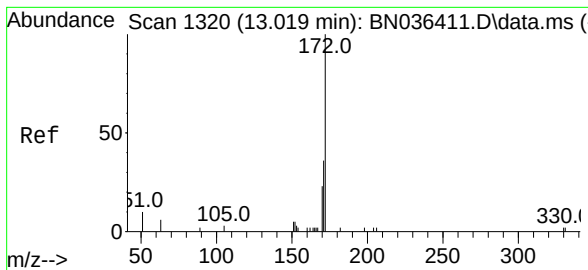
Tgt Ion:164 Resp: 4403  
Ion Ratio Lower Upper  
164 100  
162 104.2 84.1 126.1  
160 50.5 41.4 62.0



#14  
2,4,6-Tribromophenol  
Concen: 0.324 ng  
RT: 15.883 min Scan# 1583  
Delta R.T. 0.000 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

Tgt Ion:330 Resp: 708  
Ion Ratio Lower Upper  
330 100  
332 93.6 76.6 114.8  
141 46.8 37.8 56.8

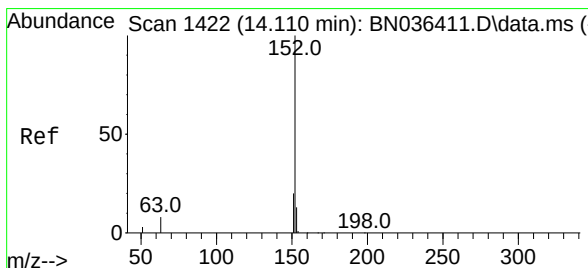
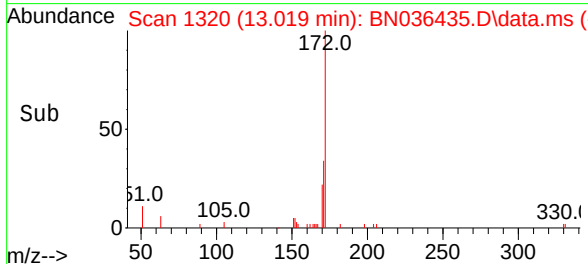
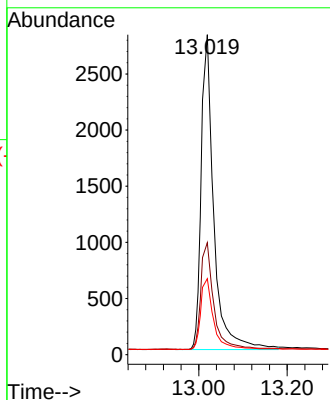
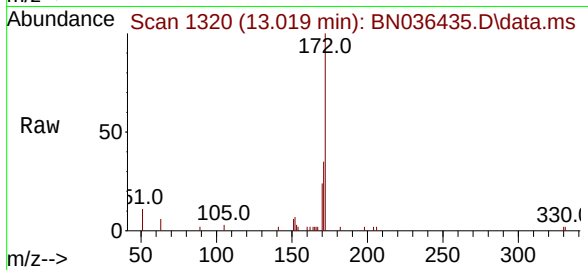




#15  
 2-Fluorobiphenyl  
 Concen: 0.313 ng  
 RT: 13.019 min Scan# 1320  
 Delta R.T. 0.000 min  
 Lab File: BN036435.D  
 Acq: 12 Feb 2025 11:31

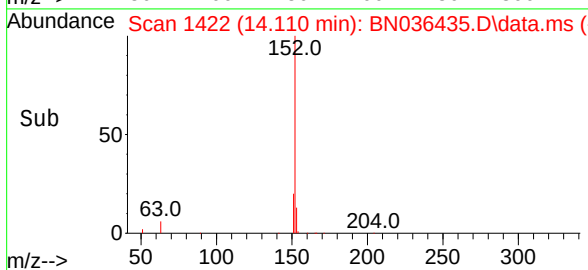
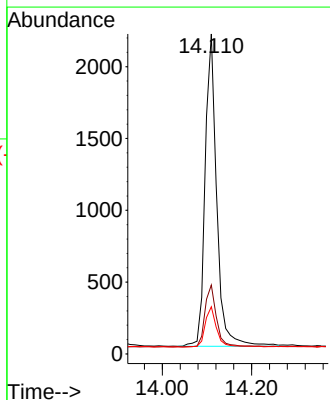
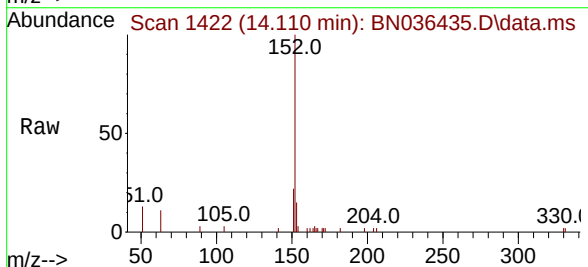
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-03-QT1-2025

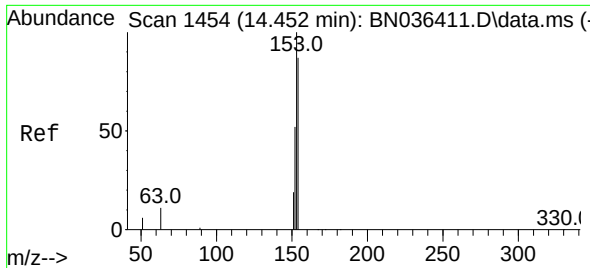
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 5178 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 35.0  | 29.6  | 44.4 |
| 170       | 23.7  | 19.8  | 29.6 |



#16  
 Acenaphthylene  
 Concen: 0.201 ng  
 RT: 14.110 min Scan# 1422  
 Delta R.T. 0.000 min  
 Lab File: BN036435.D  
 Acq: 12 Feb 2025 11:31

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 3909 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 20.0  | 15.8  | 23.8 |
| 153       | 13.0  | 10.2  | 15.2 |

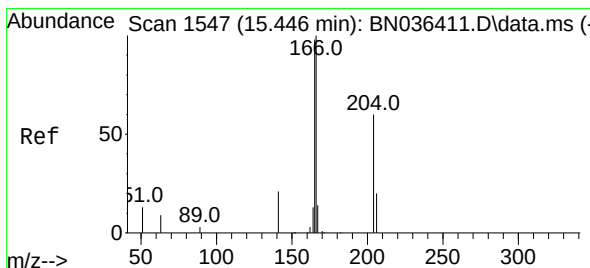
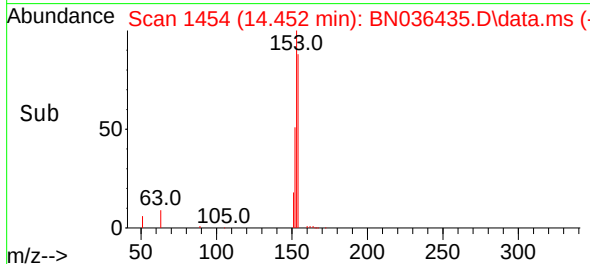
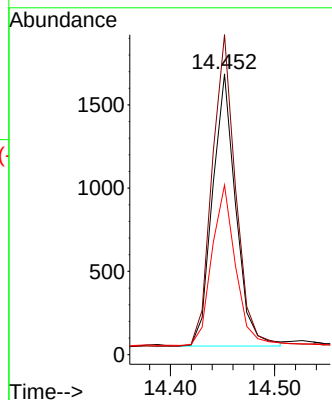
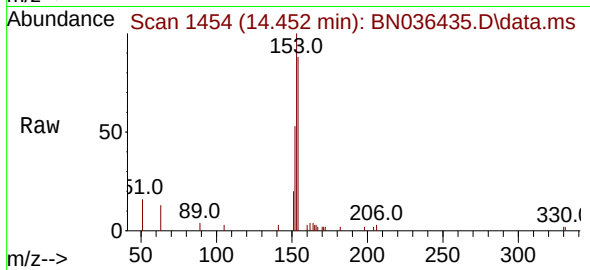




#17  
Acenaphthene  
Concen: 0.195 ng  
RT: 14.452 min Scan# 1454  
Delta R.T. 0.000 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

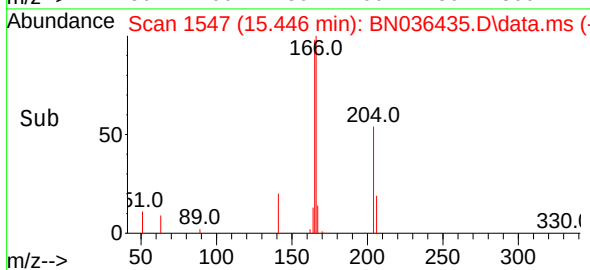
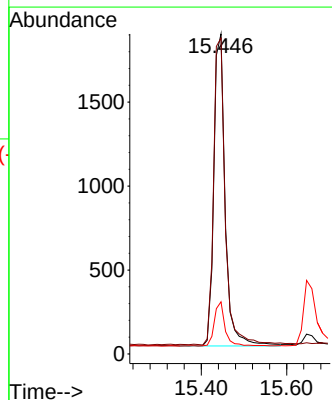
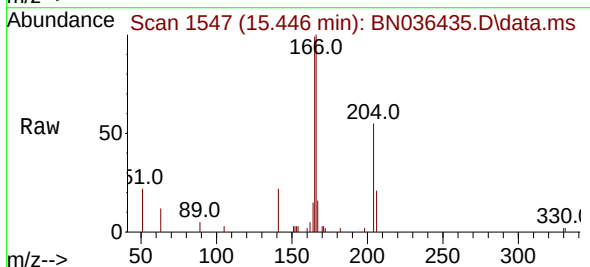
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

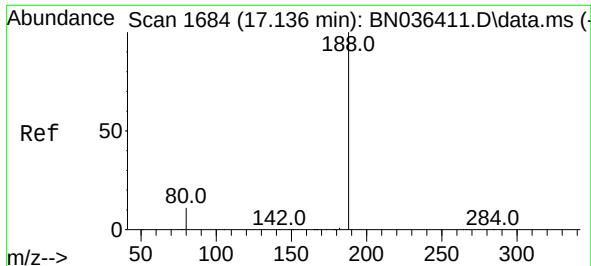
Tgt Ion:154 Resp: 2536  
Ion Ratio Lower Upper  
154 100  
153 117.9 93.3 139.9  
152 61.1 48.8 73.2



#18  
Fluorene  
Concen: 0.192 ng  
RT: 15.446 min Scan# 1547  
Delta R.T. 0.000 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

Tgt Ion:166 Resp: 3555  
Ion Ratio Lower Upper  
166 100  
165 101.5 79.5 119.3  
167 13.3 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: BN036435.D

Acq: 12 Feb 2025 11:31

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT1-2025

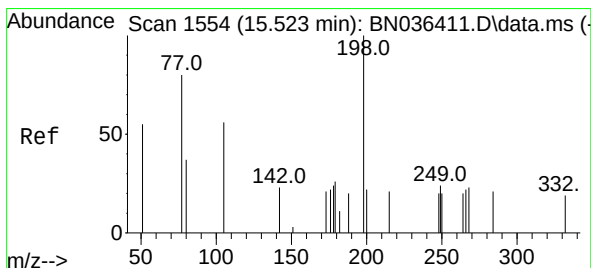
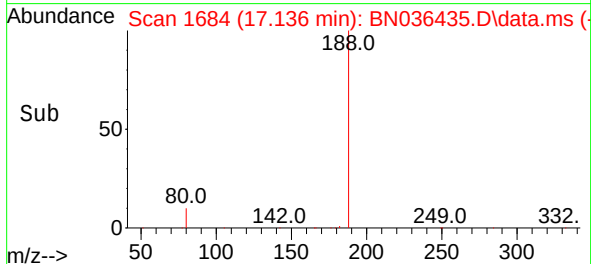
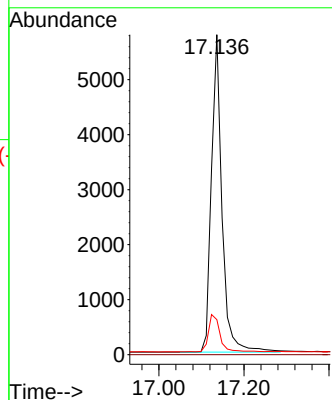
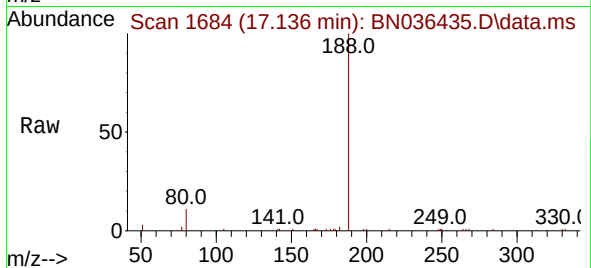
Tgt Ion:188 Resp: 9975

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.0 9.8 14.6



#20

4,6-Dinitro-2-methylphenol

Concen: 0.144 ng

RT: 15.535 min Scan# 1555

Delta R.T. 0.012 min

Lab File: BN036435.D

Acq: 12 Feb 2025 11:31

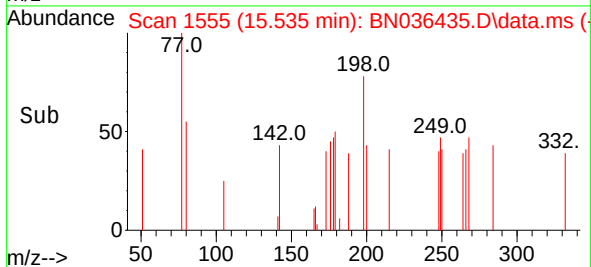
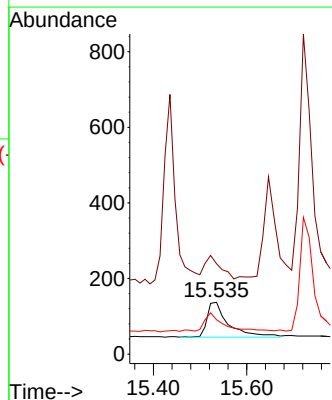
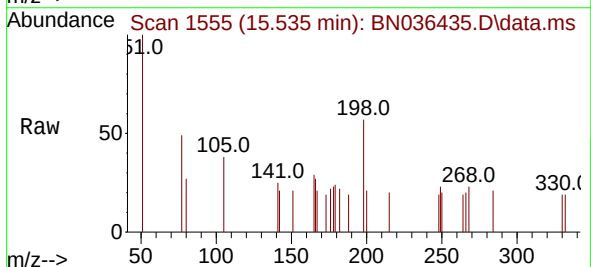
Tgt Ion:198 Resp: 282

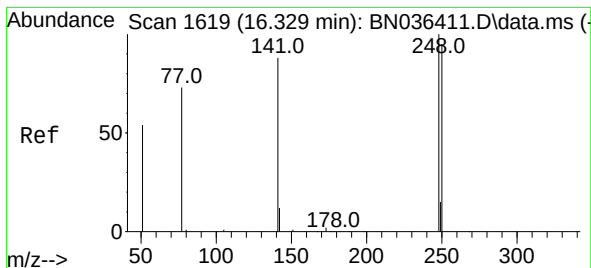
Ion Ratio Lower Upper

198 100

51 174.5 86.6 129.8#

105 66.4 57.5 86.3

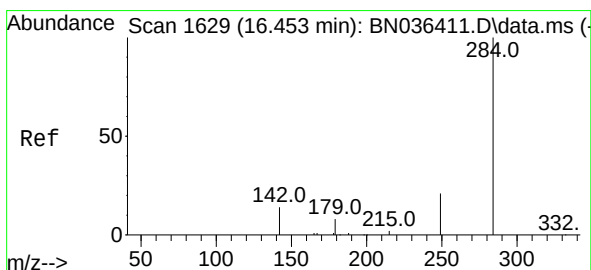
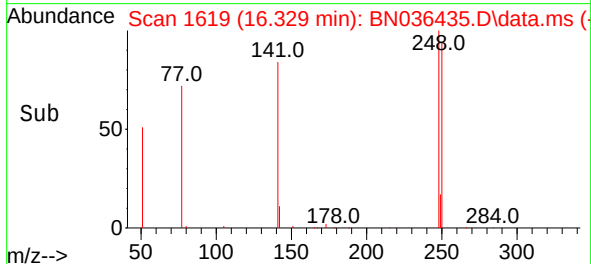
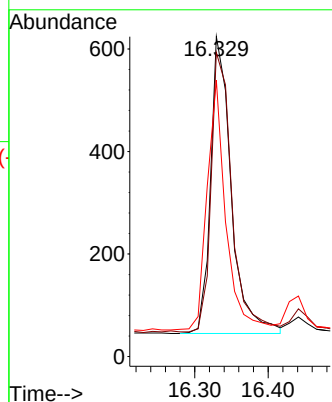
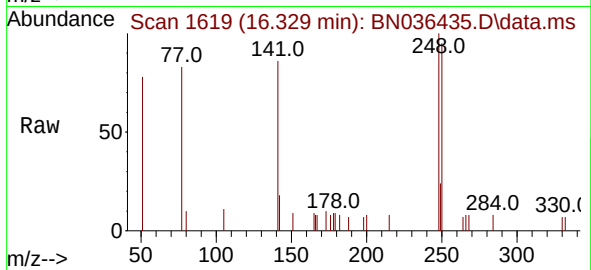




#21  
4-Bromophenyl-phenylether  
Concen: 0.191 ng  
RT: 16.329 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

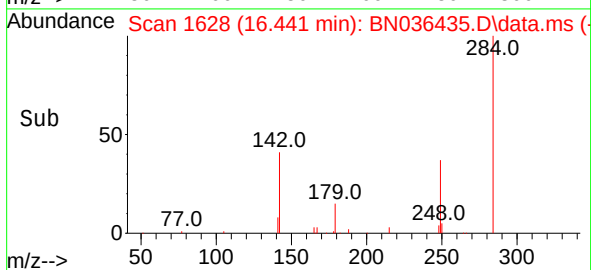
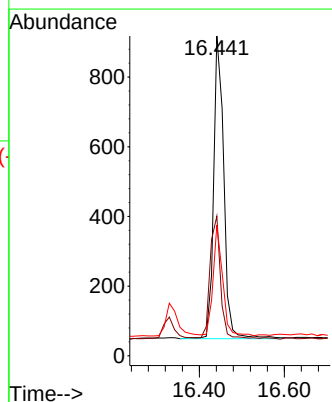
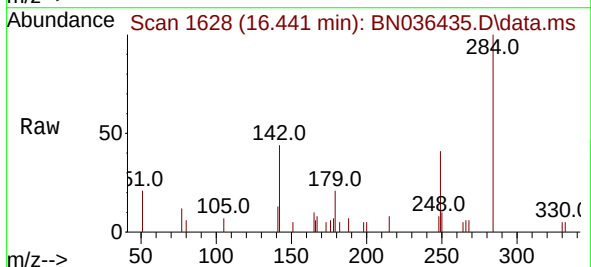
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

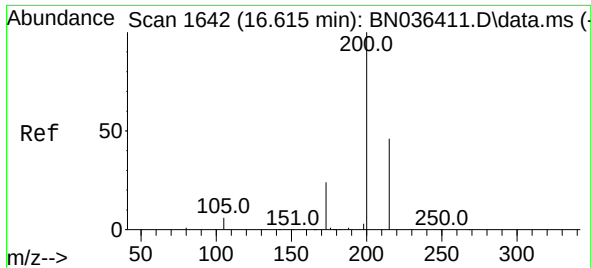
Tgt Ion:248 Resp: 1135  
Ion Ratio Lower Upper  
248 100  
250 95.0 76.1 114.1  
141 86.4 71.7 107.5



#22  
Hexachlorobenzene  
Concen: 0.196 ng  
RT: 16.441 min Scan# 1628  
Delta R.T. -0.012 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

Tgt Ion:284 Resp: 1443  
Ion Ratio Lower Upper  
284 100  
142 40.7 33.4 50.0  
249 34.2 28.6 43.0

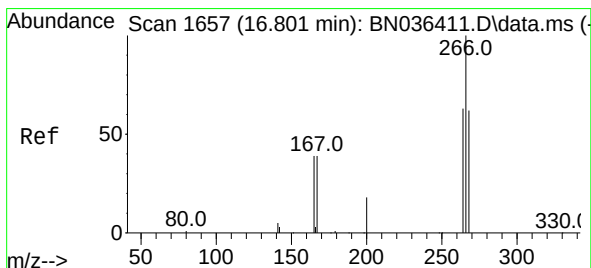
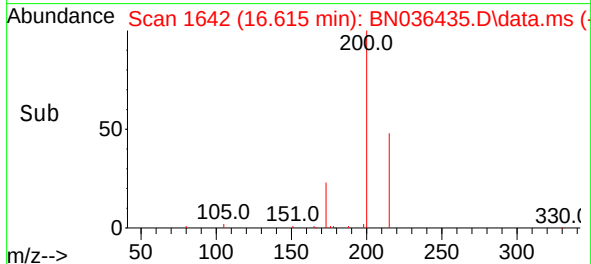
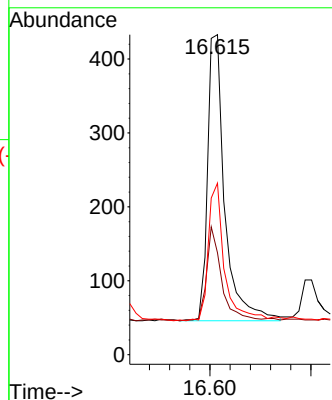
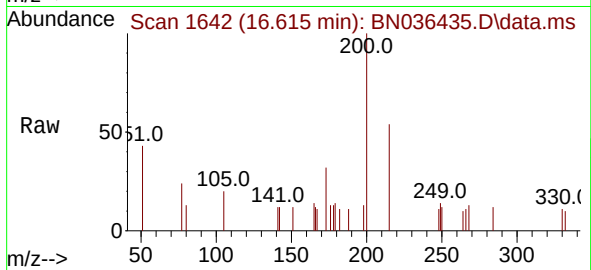




#23  
Atrazine  
Concen: 0.184 ng  
RT: 16.615 min Scan# 1642  
Delta R.T. 0.000 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

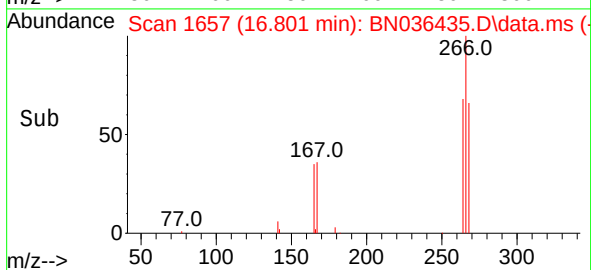
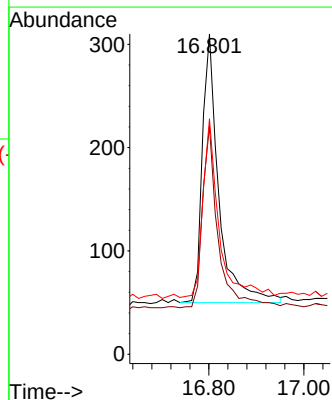
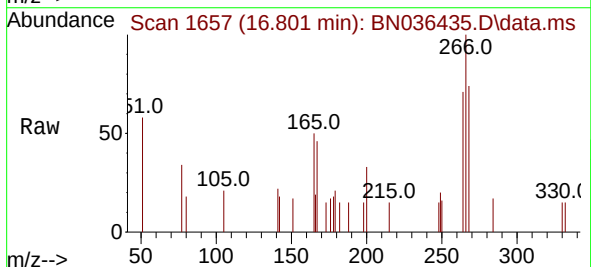
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

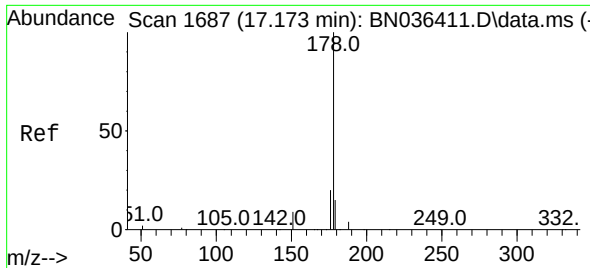
Tgt Ion:200 Resp: 913  
Ion Ratio Lower Upper  
200 100  
173 31.9 23.2 34.8  
215 53.6 40.0 60.0



#24  
Pentachlorophenol  
Concen: 0.179 ng  
RT: 16.801 min Scan# 1657  
Delta R.T. 0.000 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

Tgt Ion:266 Resp: 626  
Ion Ratio Lower Upper  
266 100  
264 64.4 50.6 76.0  
268 64.7 51.9 77.9

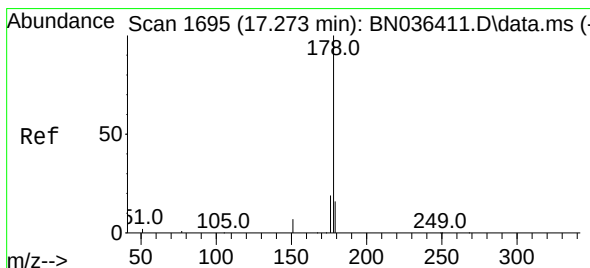
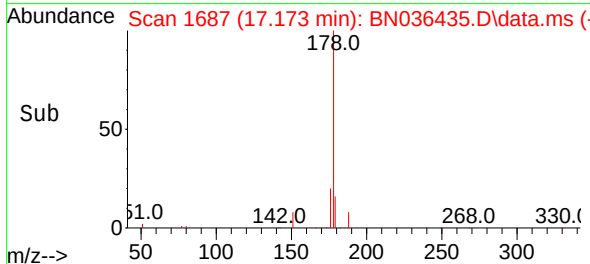
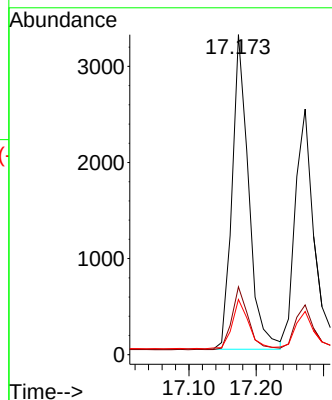
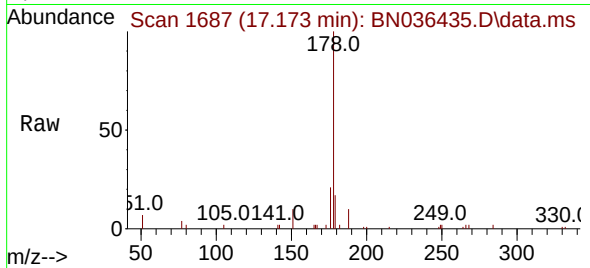




#25  
Phenanthrene  
Concen: 0.195 ng  
RT: 17.173 min Scan# 1687  
Delta R.T. 0.000 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

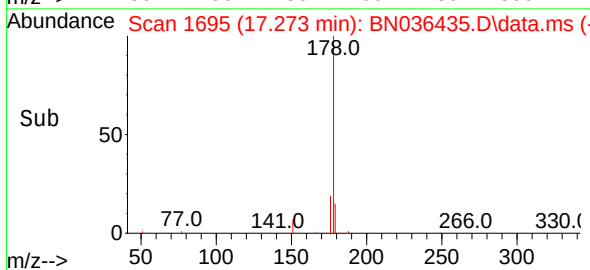
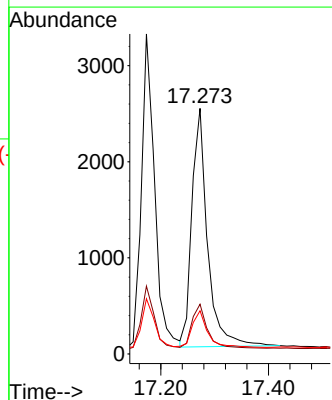
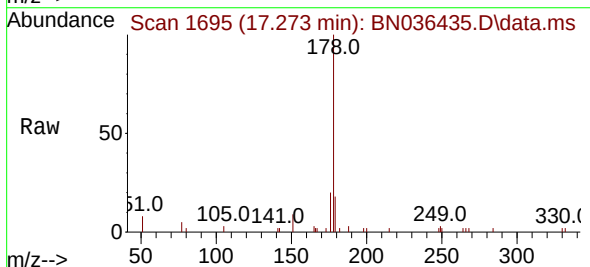
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

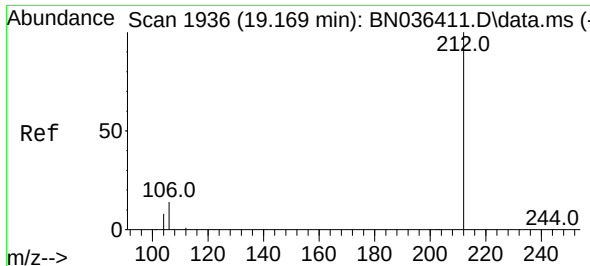
Tgt Ion:178 Resp: 5621  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.7 23.5  
179 15.6 12.4 18.6



#26  
Anthracene  
Concen: 0.197 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. 0.000 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

Tgt Ion:178 Resp: 5017  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.9 22.3  
179 15.5 12.4 18.6

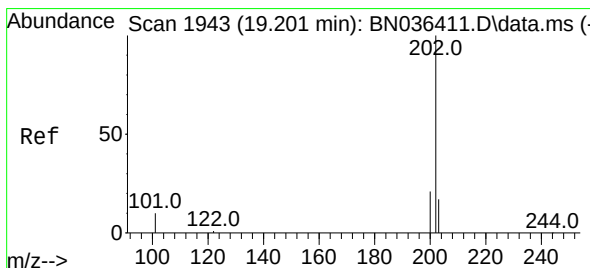
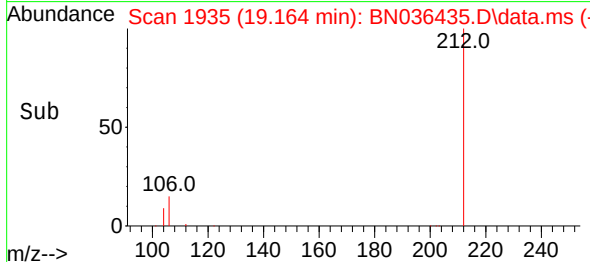
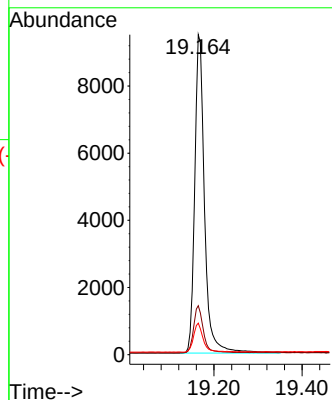
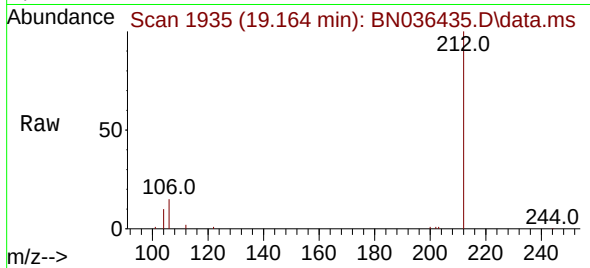




#27  
Fluoranthene-d10  
Concen: 0.528 ng  
RT: 19.164 min Scan# 1935  
Delta R.T. -0.005 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

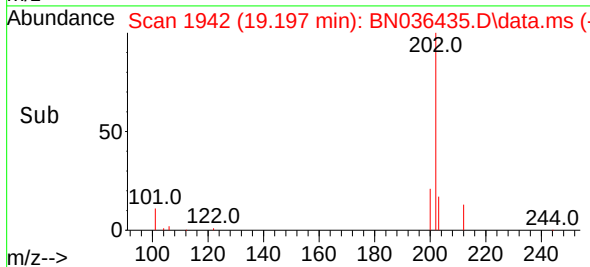
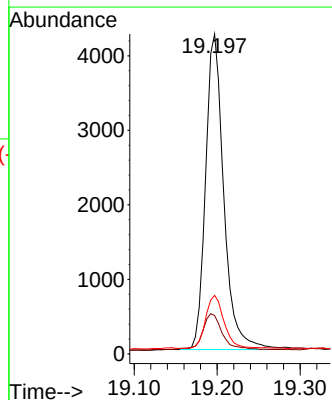
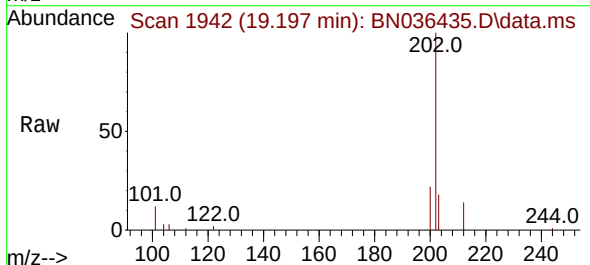
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT1-2025

Tgt Ion:212 Resp: 14653  
Ion Ratio Lower Upper  
212 100  
106 14.7 11.5 17.3  
104 8.8 7.1 10.7

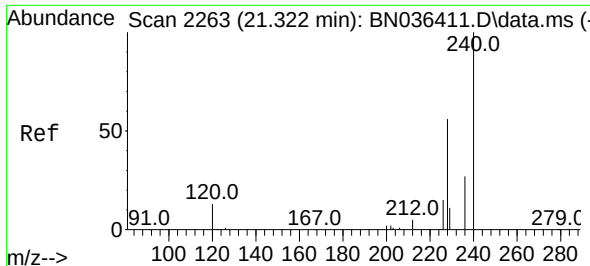


#28  
Fluoranthene  
Concen: 0.183 ng  
RT: 19.197 min Scan# 1942  
Delta R.T. -0.005 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

Tgt Ion:202 Resp: 6483  
Ion Ratio Lower Upper  
202 100  
101 12.2 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: BN036435.D

Acq: 12 Feb 2025 11:31

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT1-2025

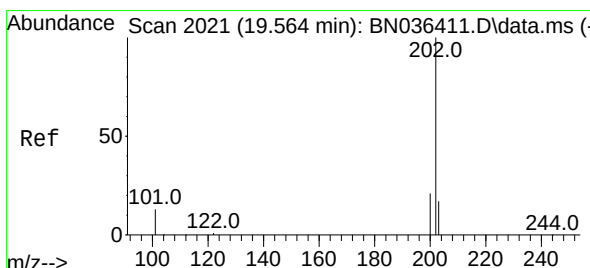
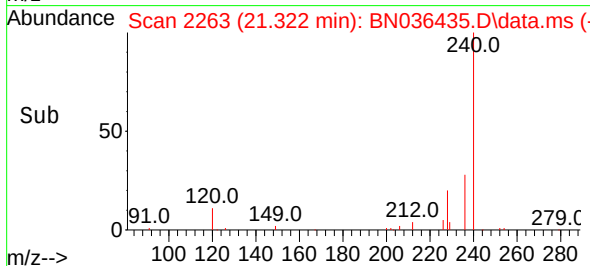
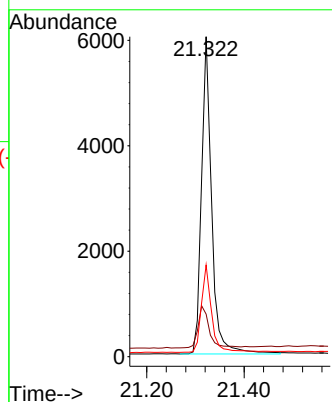
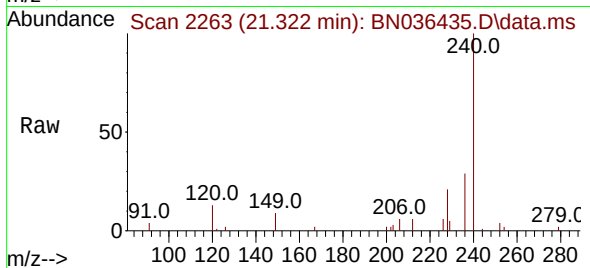
Tgt Ion:240 Resp: 8728

Ion Ratio Lower Upper

240 100

120 13.3 13.3 19.9

236 28.6 23.0 34.6



#30

Pyrene

Concen: 0.197 ng

RT: 19.559 min Scan# 2020

Delta R.T. -0.005 min

Lab File: BN036435.D

Acq: 12 Feb 2025 11:31

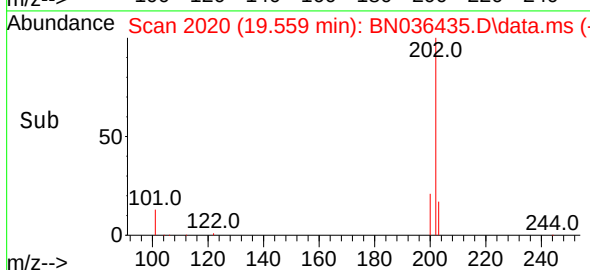
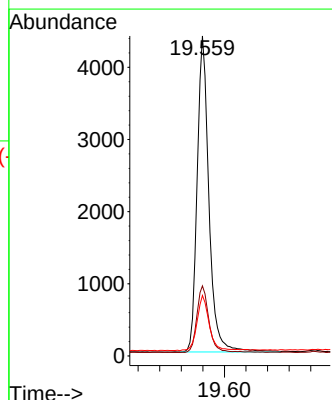
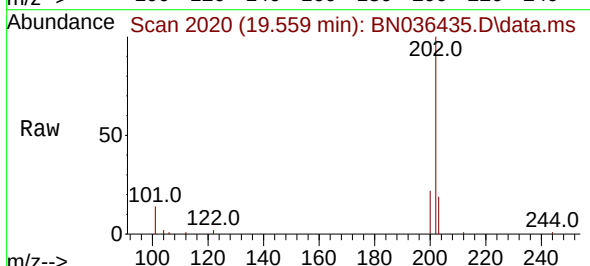
Tgt Ion:202 Resp: 6632

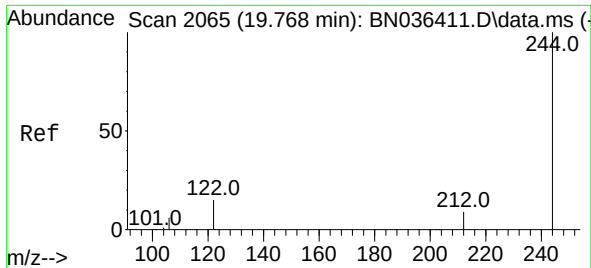
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.7 13.9 20.9

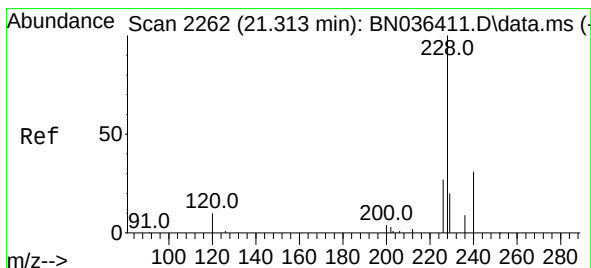
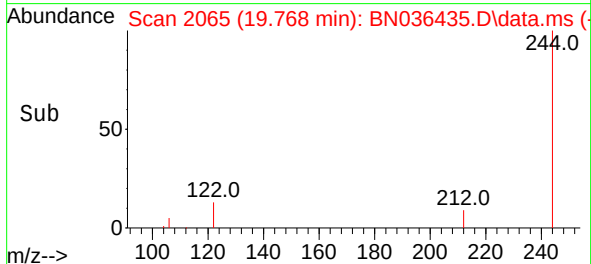
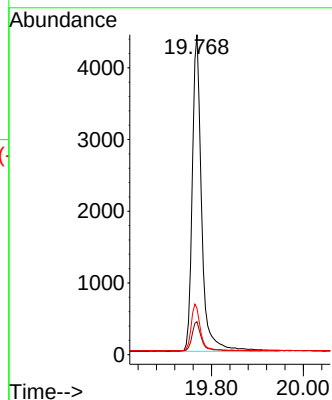
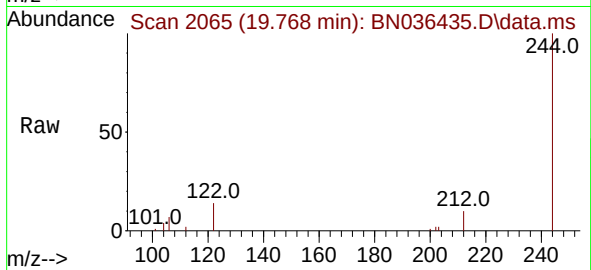




#31  
 Terphenyl-d14  
 Concen: 0.336 ng  
 RT: 19.768 min Scan# 2065  
 Delta R.T. 0.000 min  
 Lab File: BN036435.D  
 Acq: 12 Feb 2025 11:31

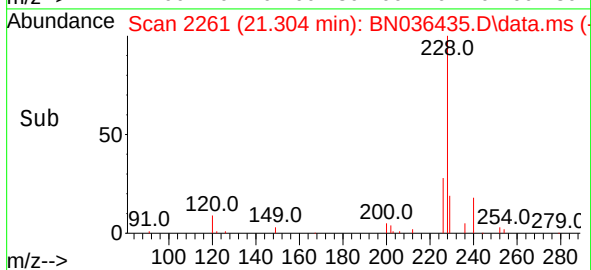
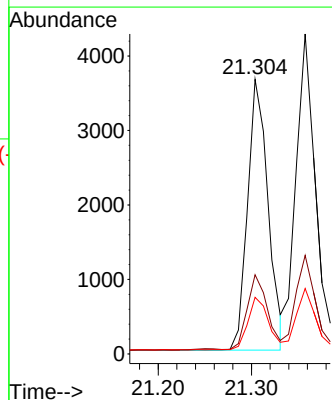
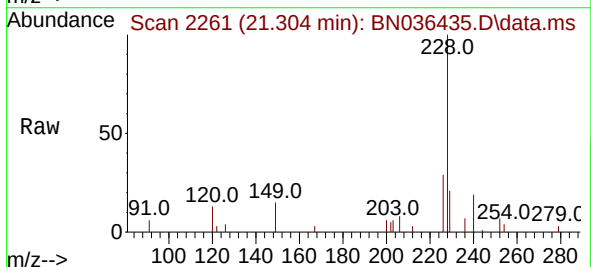
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-03-QT1-2025

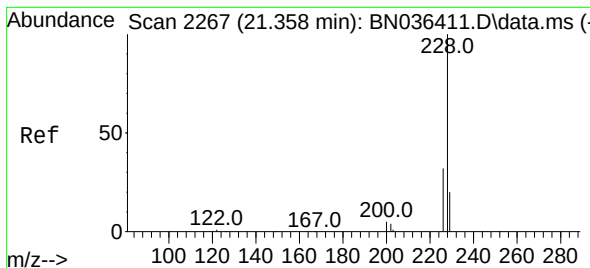
Tgt Ion:244 Resp: 6268  
 Ion Ratio Lower Upper  
 244 100  
 212 10.3 8.1 12.1  
 122 14.5 12.8 19.2



#32  
 Benzo(a)anthracene  
 Concen: 0.193 ng  
 RT: 21.304 min Scan# 2261  
 Delta R.T. -0.009 min  
 Lab File: BN036435.D  
 Acq: 12 Feb 2025 11:31

Tgt Ion:228 Resp: 5547  
 Ion Ratio Lower Upper  
 228 100  
 226 28.9 22.2 33.2  
 229 20.6 16.5 24.7





#33

Chrysene

Concen: 0.208 ng

RT: 21.358 min Scan# 2267

Delta R.T. 0.000 min

Lab File: BN036435.D

Acq: 12 Feb 2025 11:31

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT1-2025

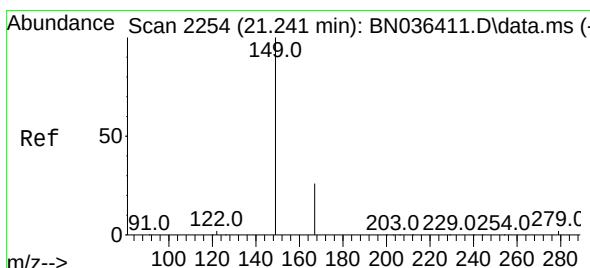
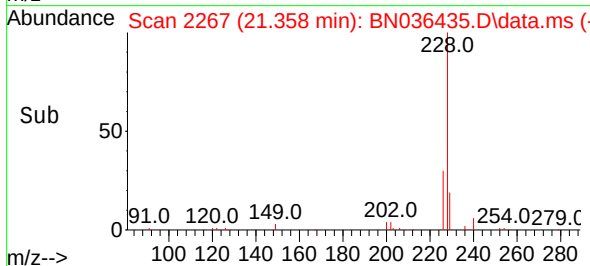
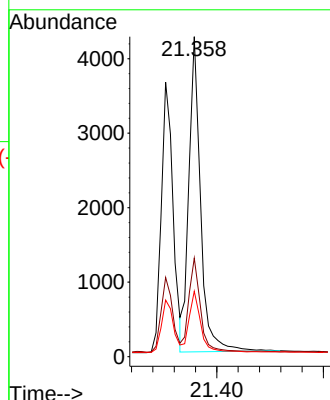
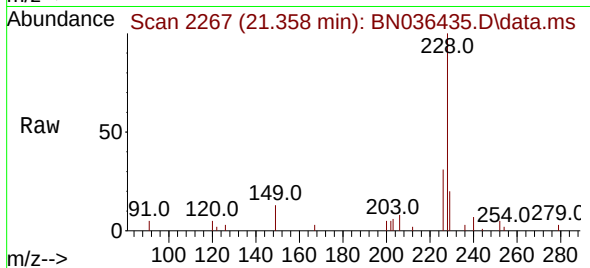
Tgt Ion:228 Resp: 6466

Ion Ratio Lower Upper

228 100

226 30.8 25.5 38.3

229 20.5 16.4 24.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.199 ng

RT: 21.241 min Scan# 2254

Delta R.T. 0.000 min

Lab File: BN036435.D

Acq: 12 Feb 2025 11:31

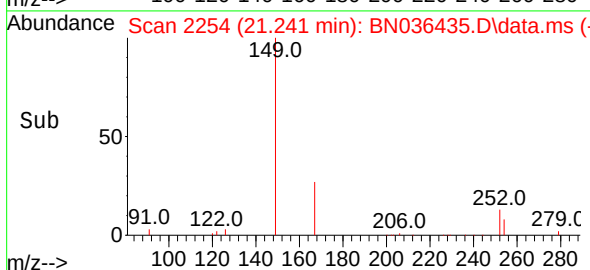
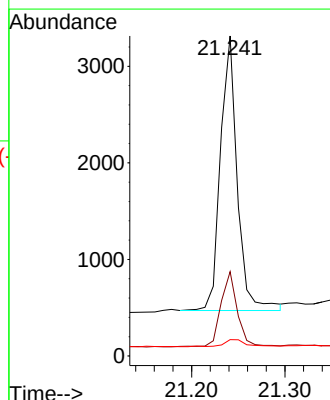
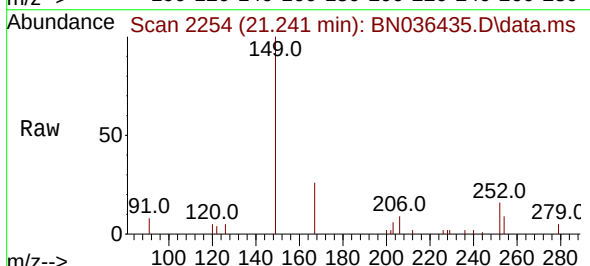
Tgt Ion:149 Resp: 3558

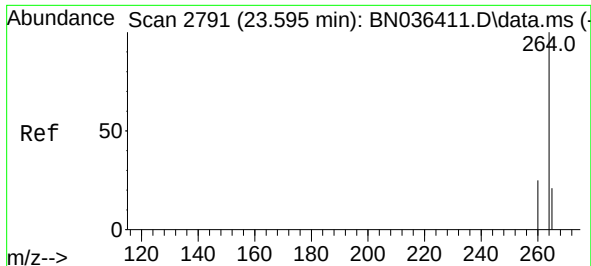
Ion Ratio Lower Upper

149 100

167 26.0 21.2 31.8

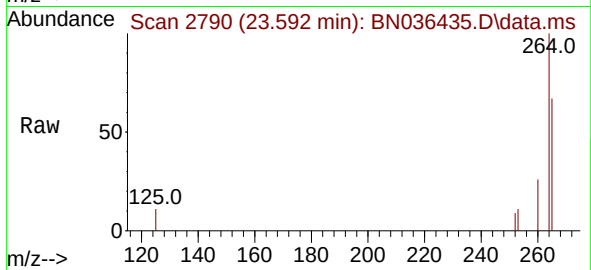
279 3.6 2.7 4.1



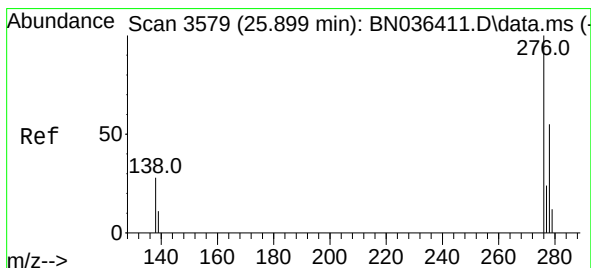
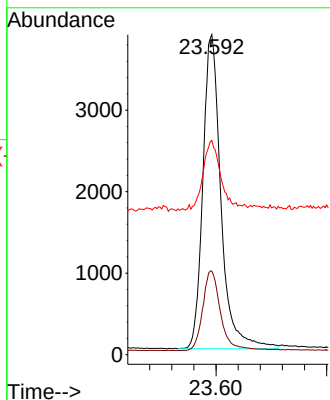
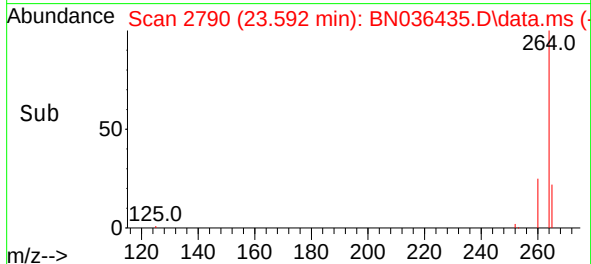


#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.592 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

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

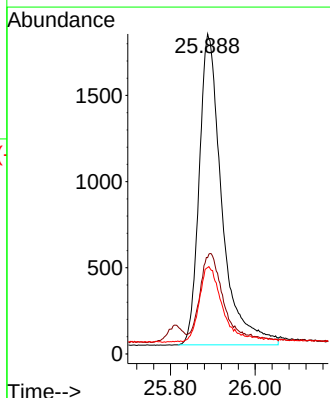
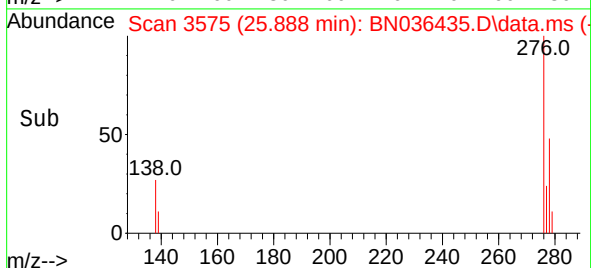
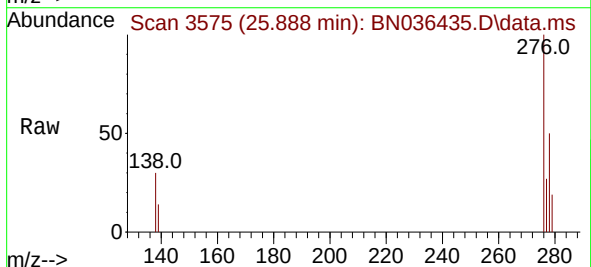


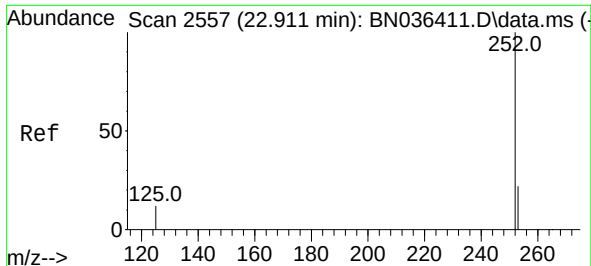
Tgt Ion:264 Resp: 8759  
Ion Ratio Lower Upper  
264 100  
260 26.1 20.9 31.3  
265 67.0 60.7 91.1



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.219 ng  
RT: 25.888 min Scan# 3575  
Delta R.T. -0.012 min  
Lab File: BN036435.D  
Acq: 12 Feb 2025 11:31

Tgt Ion:276 Resp: 6704  
Ion Ratio Lower Upper  
276 100  
138 25.7 22.2 33.2  
277 23.7 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.222 ng

RT: 22.952 min Scan# 2571

Delta R.T. 0.041 min

Lab File: BN036435.D

Acq: 12 Feb 2025 11:31

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT1-2025

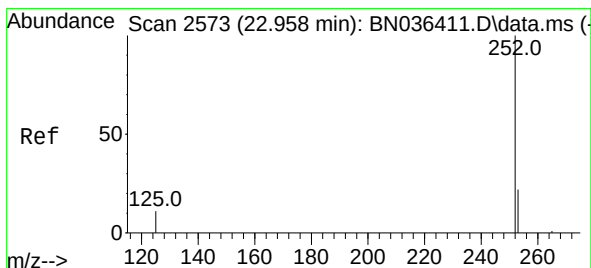
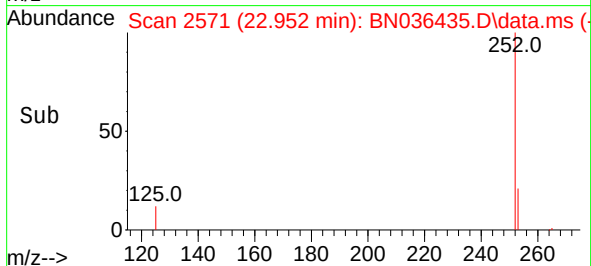
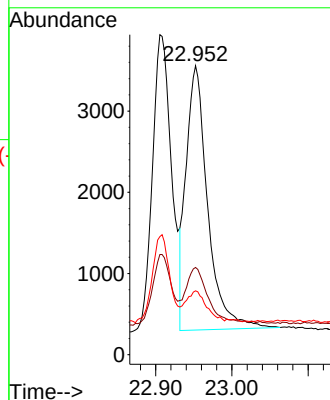
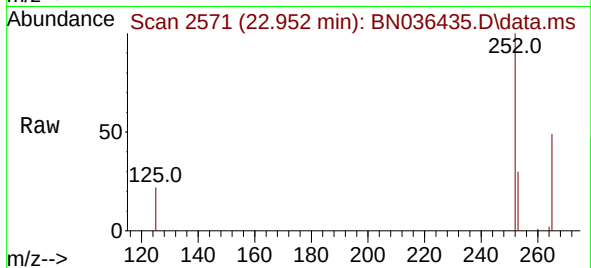
Tgt Ion:252 Resp: 6400

Ion Ratio Lower Upper

252 100

253 30.2 21.9 32.9

125 22.1 15.0 22.6



#38

Benzo(k)fluoranthene

Concen: 0.216 ng

RT: 22.952 min Scan# 2571

Delta R.T. -0.006 min

Lab File: BN036435.D

Acq: 12 Feb 2025 11:31

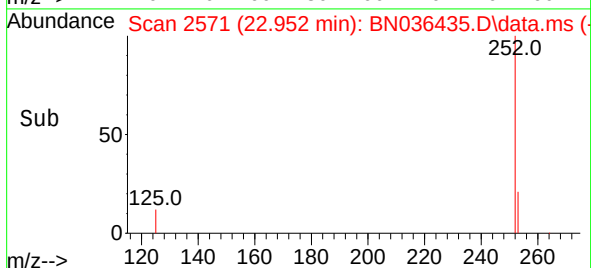
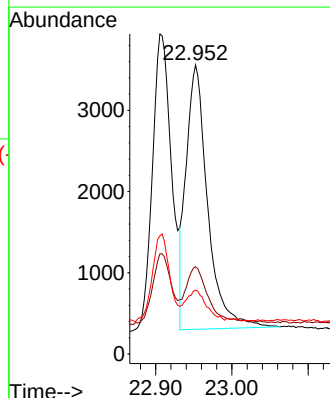
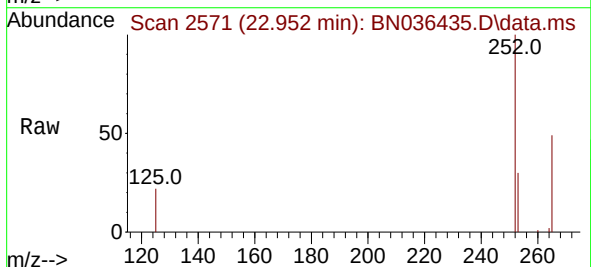
Tgt Ion:252 Resp: 6400

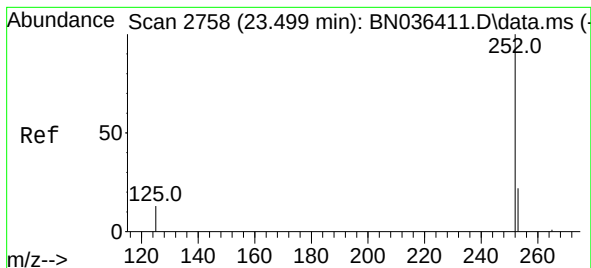
Ion Ratio Lower Upper

252 100

253 30.2 22.2 33.4

125 22.1 15.0 22.4





#39

Benzo(a)pyrene

Concen: 0.222 ng

RT: 23.493 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN036435.D

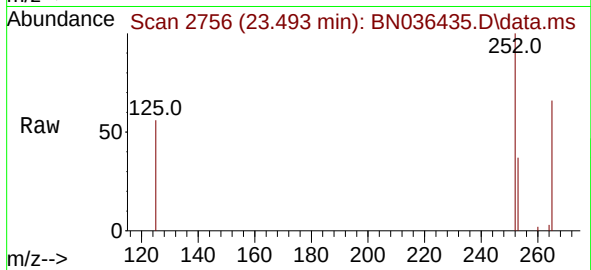
Acq: 12 Feb 2025 11:31

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT1-2025



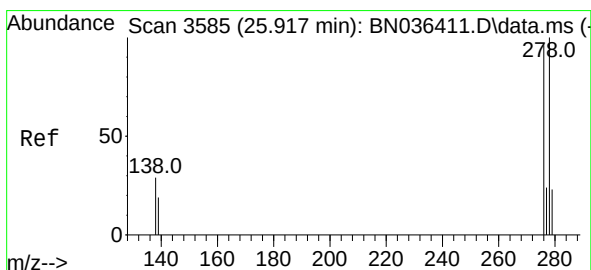
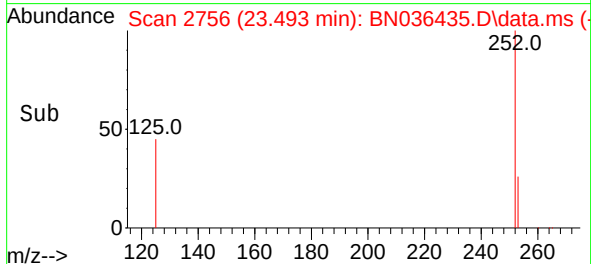
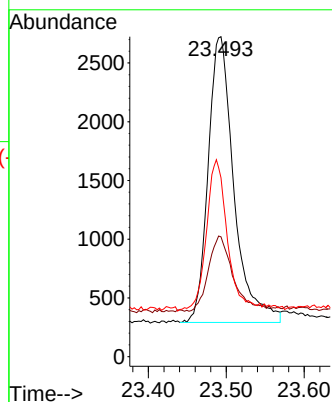
Tgt Ion:252 Resp: 5595

Ion Ratio Lower Upper

252 100

253 37.4 24.4 36.6#

125 55.9 18.2 27.2#



#40

Dibenzo(a,h)anthracene

Concen: 0.213 ng

RT: 25.908 min Scan# 3582

Delta R.T. -0.009 min

Lab File: BN036435.D

Acq: 12 Feb 2025 11:31

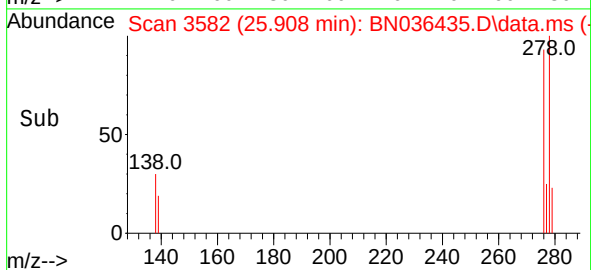
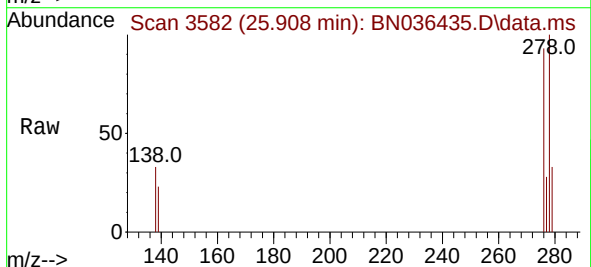
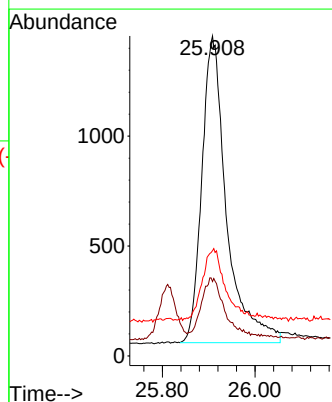
Tgt Ion:278 Resp: 5154

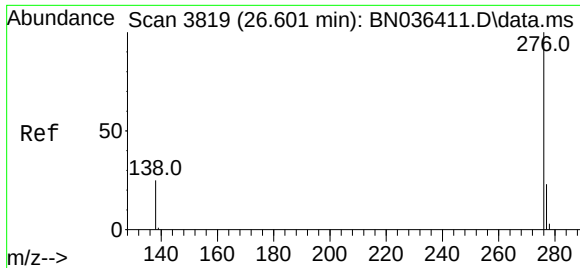
Ion Ratio Lower Upper

278 100

139 23.2 18.5 27.7

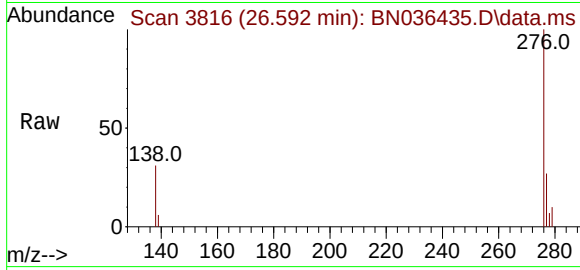
279 32.9 24.8 37.2





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.212 ng  
 RT: 26.592 min Scan# 3816  
 Delta R.T. -0.009 min  
 Lab File: BN036435.D  
 Acq: 12 Feb 2025 11:31

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



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 5805 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 277       | 26.9  | 20.7  | 31.1 |
| 138       | 30.8  | 21.8  | 32.6 |

