

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071125\  
 Data File : BN037479.D  
 Acq On : 11 Jul 2025 18:29  
 Operator : RC/JU  
 Sample : Q2126-03  
 Misc : MDL-SOIL-0.2 PPM  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2025

Quant Time: Jul 17 04:47:59 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN071125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 11 15:38:34 2025  
 Response via : Initial Calibration

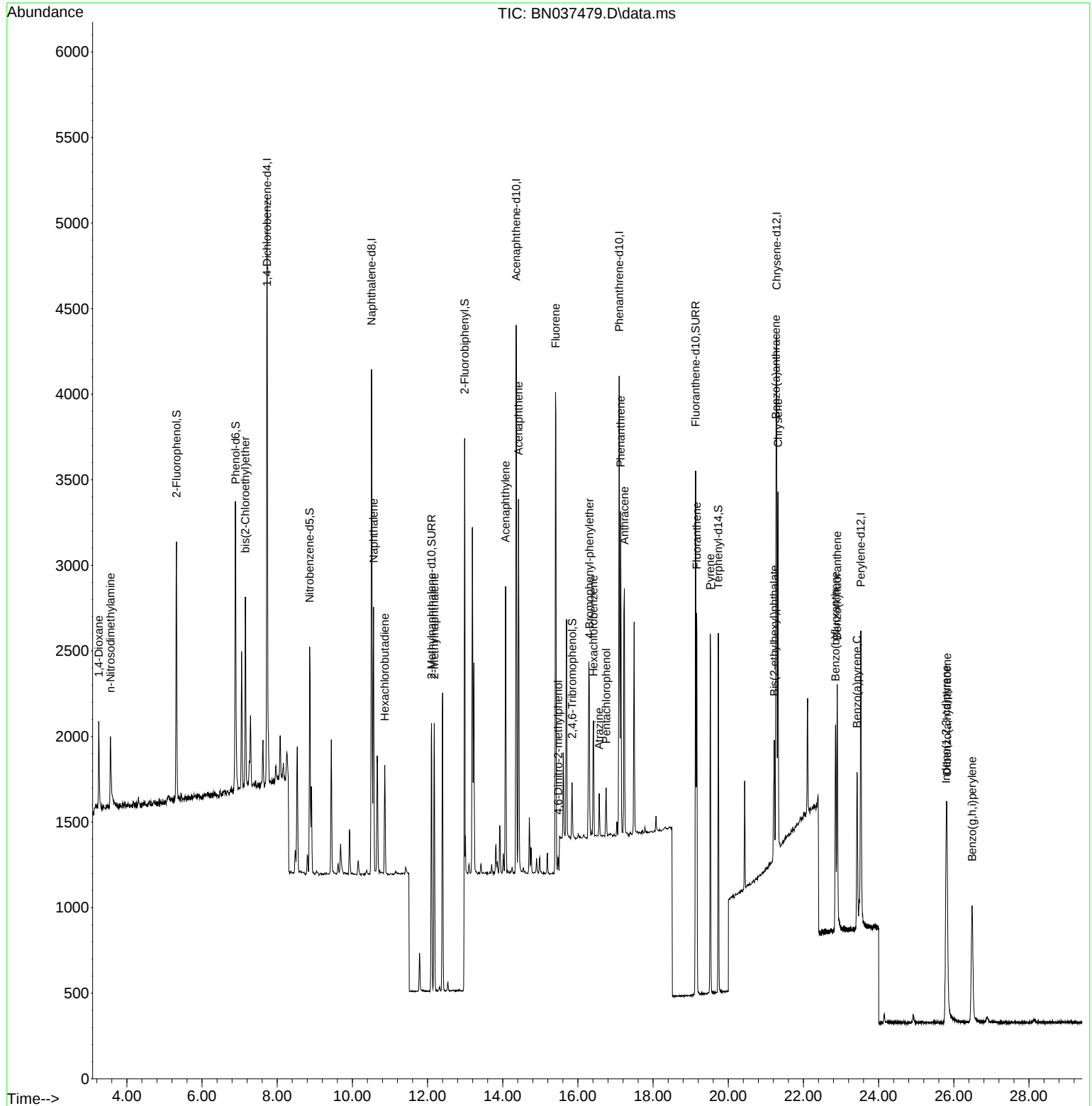
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.732  | 152  | 1590     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.509 | 136  | 3790     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.356 | 164  | 1776     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.099 | 188  | 3290     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.286 | 240  | 2415     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.528 | 264  | 2377     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.319  | 112  | 1199     | 0.324 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.894  | 99   | 1492     | 0.320 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.865  | 82   | 1022     | 0.371 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.106 | 152  | 2070     | 0.402 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.845 | 330  | 185      | 0.307 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.988 | 172  | 3787     | 0.374 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.132 | 212  | 3325     | 0.401 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.736 | 244  | 2014     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.254  | 88   | 330      | 0.221 | ng    | 95       |
| 3) n-Nitrosodimethylamine     | 3.564  | 42   | 393      | 0.197 | ng    | # 96     |
| 6) bis(2-Chloroethyl)ether    | 7.154  | 93   | 813      | 0.209 | ng    | 98       |
| 9) Naphthalene                | 10.562 | 128  | 1957     | 0.192 | ng    | 96       |
| 10) Hexachlorobutadiene       | 10.861 | 225  | 502      | 0.205 | ng    | # 97     |
| 12) 2-Methylnaphthalene       | 12.177 | 142  | 1107     | 0.174 | ng    | 96       |
| 16) Acenaphthylene            | 14.078 | 152  | 1710     | 0.211 | ng    | 100      |
| 17) Acenaphthene              | 14.420 | 154  | 1024     | 0.188 | ng    | 97       |
| 18) Fluorene                  | 15.403 | 166  | 1269     | 0.186 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.478 | 198  | 62       | 0.168 | ng    | 82       |
| 21) 4-Bromophenyl-phenylether | 16.305 | 248  | 380      | 0.185 | ng    | 98       |
| 22) Hexachlorobenzene         | 16.416 | 284  | 567      | 0.200 | ng    | 100      |
| 23) Atrazine                  | 16.565 | 200  | 192      | 0.188 | ng    | 92       |
| 24) Pentachlorophenol         | 16.751 | 266  | 142      | 0.146 | ng    | 99       |
| 25) Phenanthrene              | 17.136 | 178  | 1901     | 0.190 | ng    | 99       |
| 26) Anthracene                | 17.235 | 178  | 1691     | 0.187 | ng    | 98       |
| 28) Fluoranthene              | 19.160 | 202  | 1943     | 0.177 | ng    | 99       |
| 30) Pyrene                    | 19.522 | 202  | 1892     | 0.195 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.268 | 228  | 1591     | 0.195 | ng    | 98       |
| 33) Chrysene                  | 21.322 | 228  | 1726     | 0.193 | ng    | 97       |
| 34) Bis(2-ethylhexyl)phtha... | 21.223 | 149  | 604      | 0.217 | ng    | 98       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.797 | 276  | 1691     | 0.183 | ng    | 97       |
| 37) Benzo(b)fluoranthene      | 22.853 | 252  | 1587     | 0.172 | ng    | # 89     |
| 38) Benzo(k)fluoranthene      | 22.899 | 252  | 1689     | 0.180 | ng    | # 86     |
| 39) Benzo(a)pyrene            | 23.426 | 252  | 1359     | 0.183 | ng    | # 87     |
| 40) Dibenzo(a,h)anthracene    | 25.817 | 278  | 1380     | 0.185 | ng    | # 88     |
| 41) Benzo(g,h,i)perylene      | 26.487 | 276  | 1456     | 0.179 | ng    | 93       |
| -----                         |        |      |          |       |       |          |

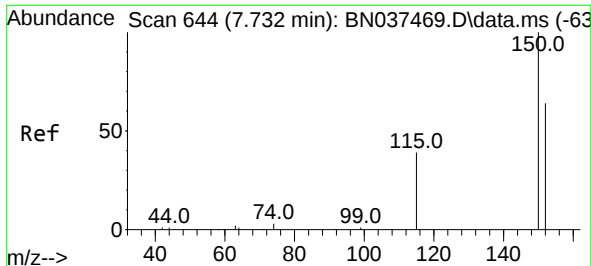
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q2126-03  
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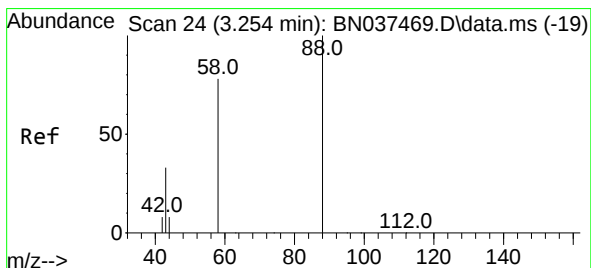
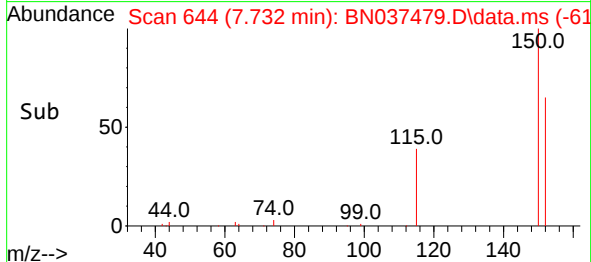
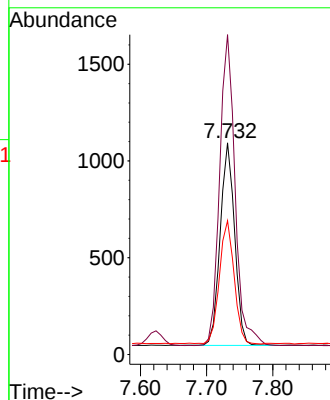
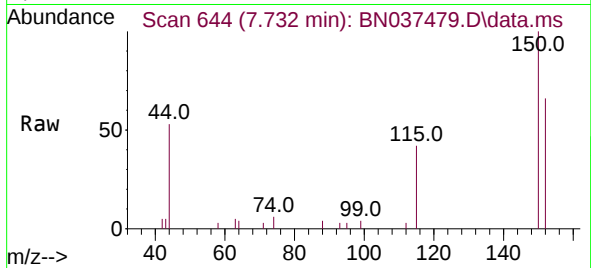




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.732 min Scan# 64  
 Delta R.T. -0.000 min  
 Lab File: BN037479.D  
 Acq: 11 Jul 2025 18:29

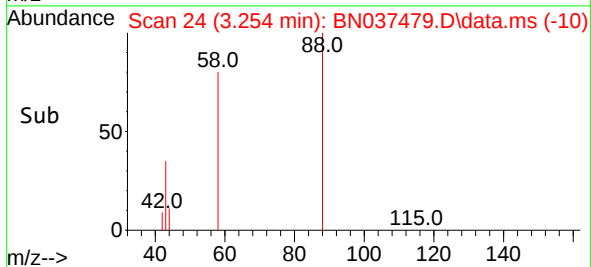
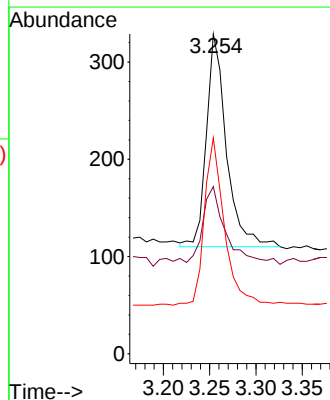
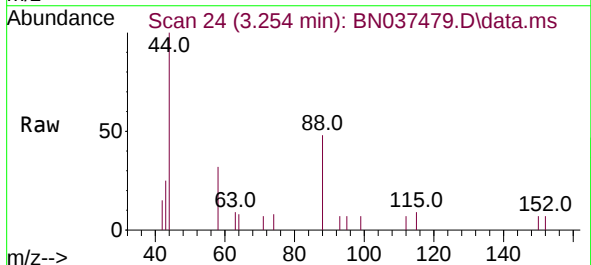
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2025

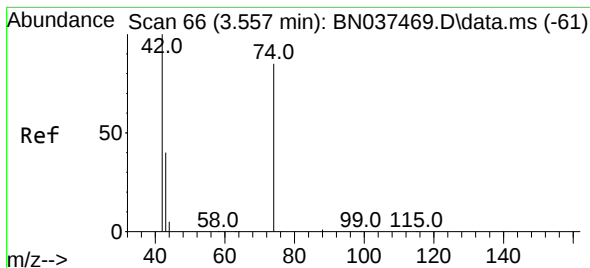
Tgt Ion:152 Resp: 1590  
 Ion Ratio Lower Upper  
 152 100  
 150 151.1 122.5 183.7  
 115 63.2 49.9 74.9



#2  
 1,4-Dioxane  
 Concen: 0.221 ng  
 RT: 3.254 min Scan# 24  
 Delta R.T. -0.000 min  
 Lab File: BN037479.D  
 Acq: 11 Jul 2025 18:29

Tgt Ion: 88 Resp: 330  
 Ion Ratio Lower Upper  
 88 100  
 43 43.0 30.7 46.1  
 58 78.2 65.0 97.4





#3

n-Nitrosodimethylamine

Concen: 0.197 ng

RT: 3.564 min Scan# 61

Delta R.T. 0.007 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT2-2025

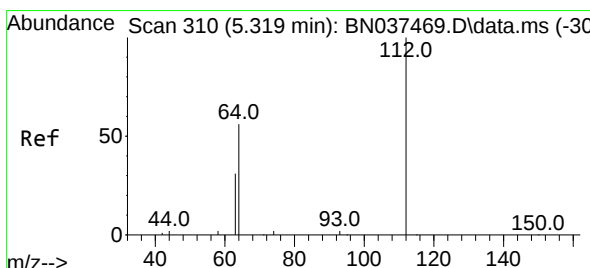
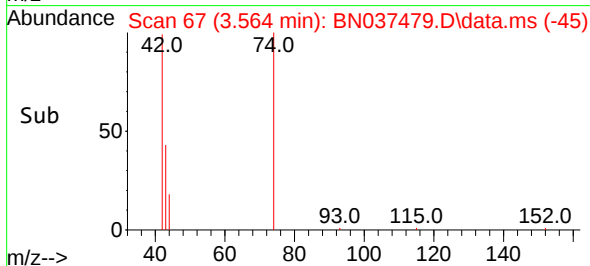
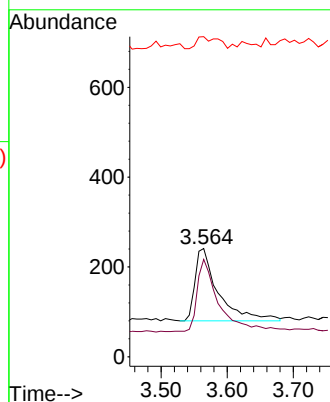
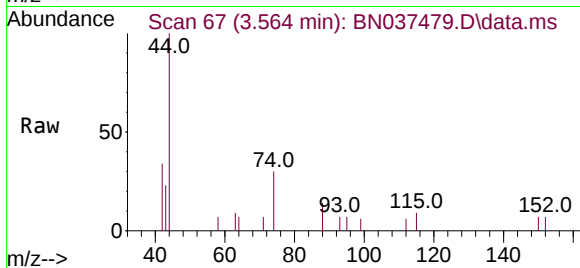
Tgt Ion: 42 Resp: 393

Ion Ratio Lower Upper

42 100

74 96.2 74.9 112.3

44 15.5 7.2 10.8#



#4

2-Fluorophenol

Concen: 0.324 ng

RT: 5.319 min Scan# 310

Delta R.T. -0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

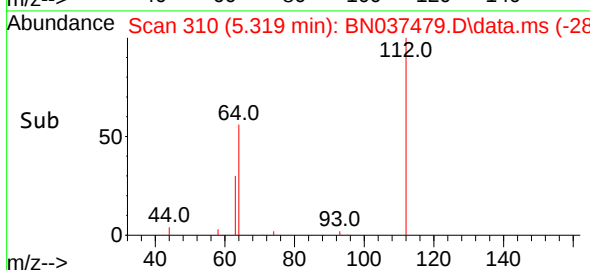
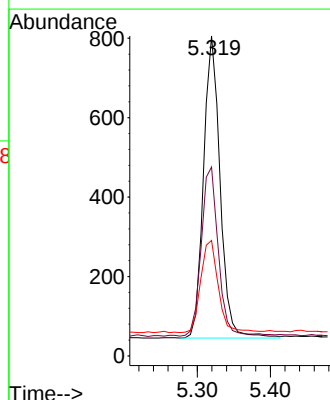
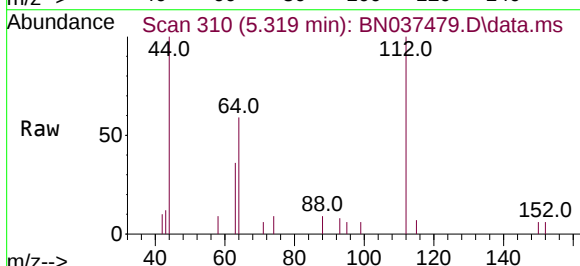
Tgt Ion: 112 Resp: 1199

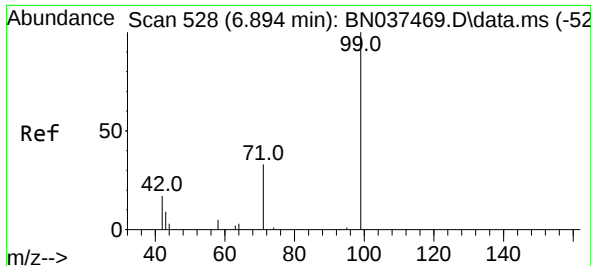
Ion Ratio Lower Upper

112 100

64 59.4 45.4 68.0

63 32.3 24.7 37.1

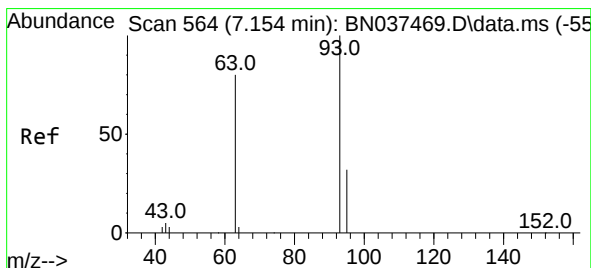
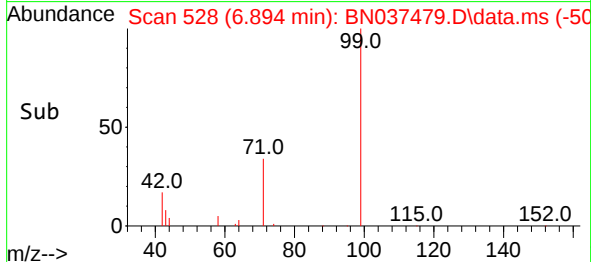
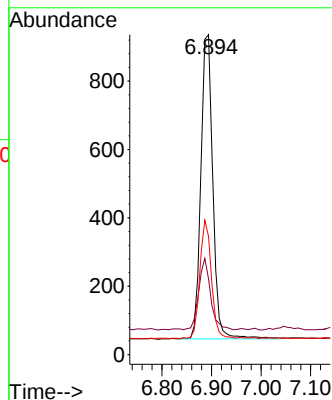
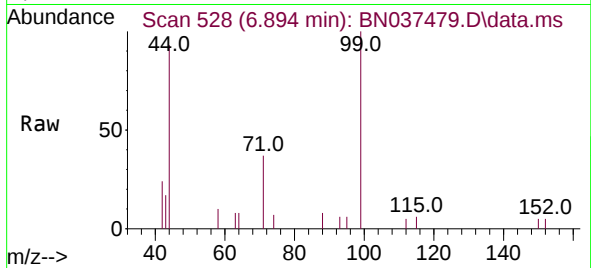




#5  
Phenol-d6  
Concen: 0.320 ng  
RT: 6.894 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BN037479.D  
Acq: 11 Jul 2025 18:29

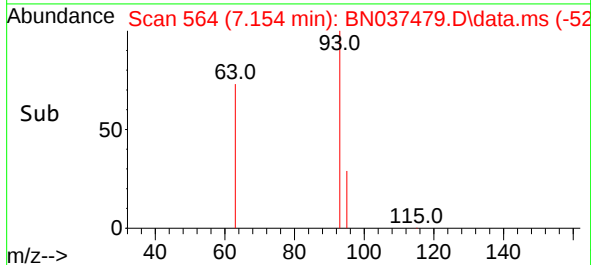
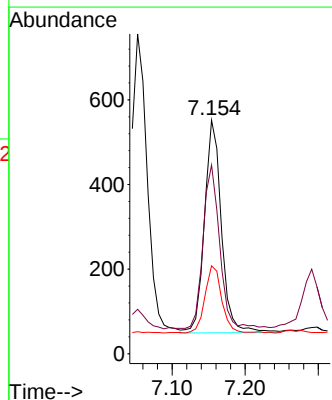
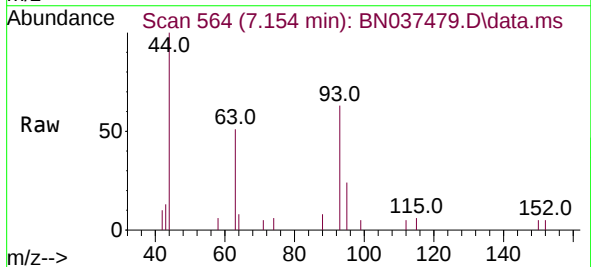
Instrument :  
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MDL-SOIL-03-QT2-2025

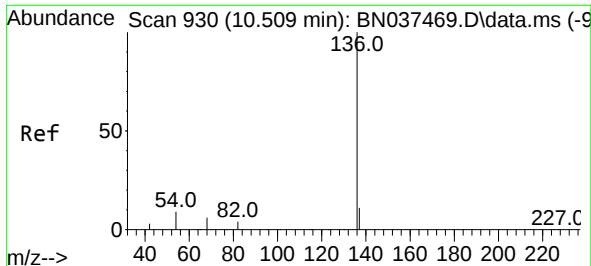
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 1492  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 23.1  | 19.5  | 29.3  |
| 71       | 37.0  | 29.4  | 44.2  |



#6  
bis(2-Chloroethyl)ether  
Concen: 0.209 ng  
RT: 7.154 min Scan# 564  
Delta R.T. -0.000 min  
Lab File: BN037479.D  
Acq: 11 Jul 2025 18:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 813   |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 74.5  | 60.8  | 91.2  |
| 95       | 31.2  | 25.6  | 38.4  |

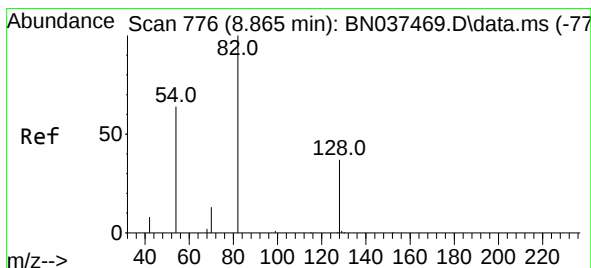
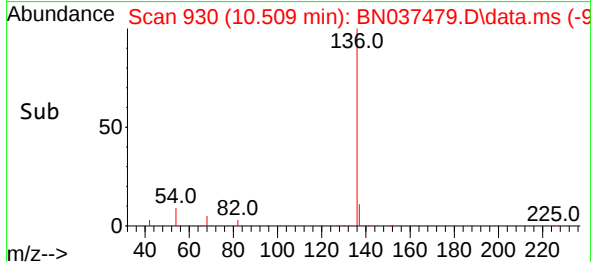
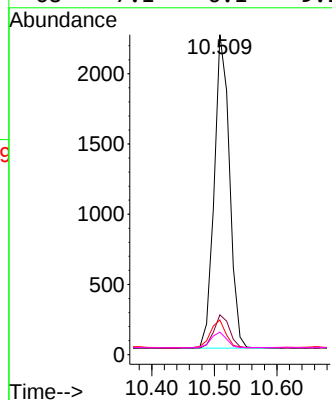
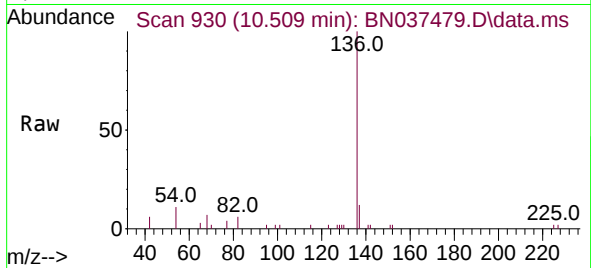




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.509 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: BN037479.D  
Acq: 11 Jul 2025 18:29

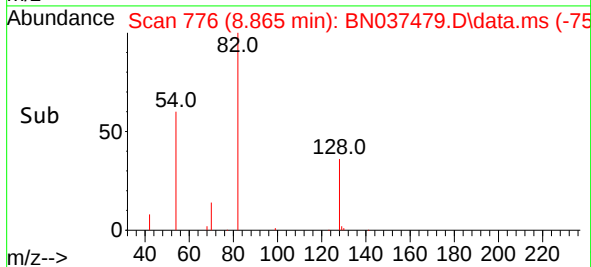
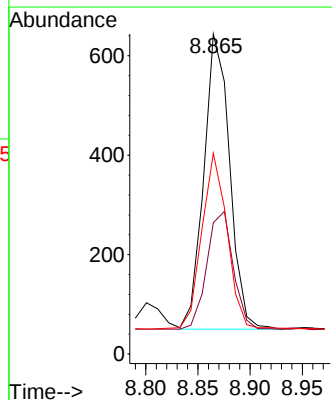
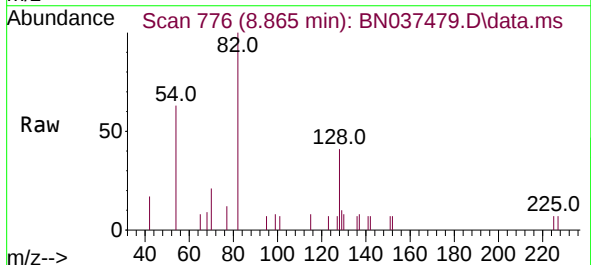
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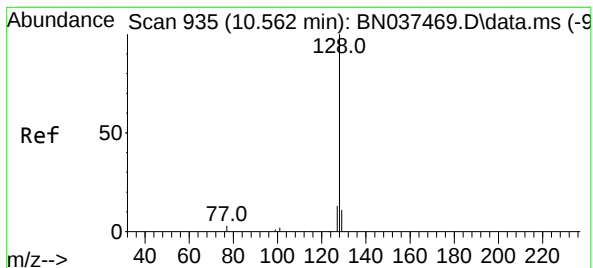
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|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 3790  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.4  | 10.0  | 15.0  |
| 54       | 10.8  | 9.0   | 13.6  |
| 68       | 7.1   | 6.1   | 9.1   |



#8  
Nitrobenzene-d5  
Concen: 0.371 ng  
RT: 8.865 min Scan# 776  
Delta R.T. -0.000 min  
Lab File: BN037479.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1022  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 41.0  | 33.1  | 49.7  |
| 54       | 62.7  | 53.0  | 79.4  |





#9

Naphthalene

Concen: 0.192 ng

RT: 10.562 min Scan# 935

Delta R.T. -0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

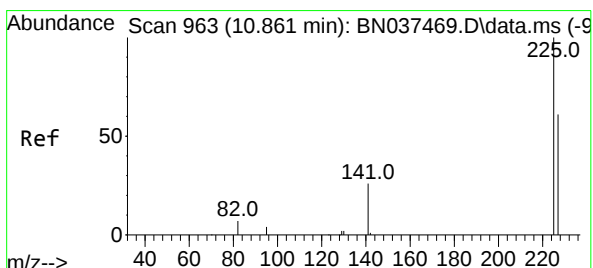
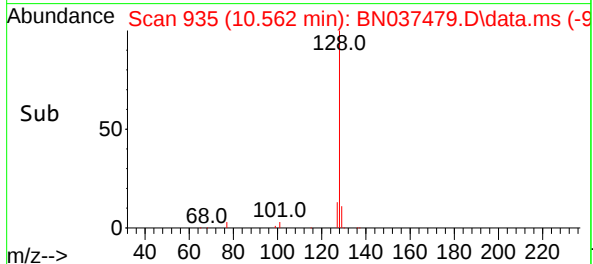
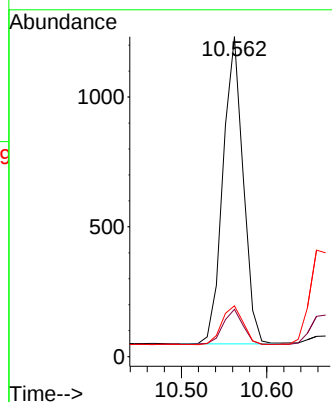
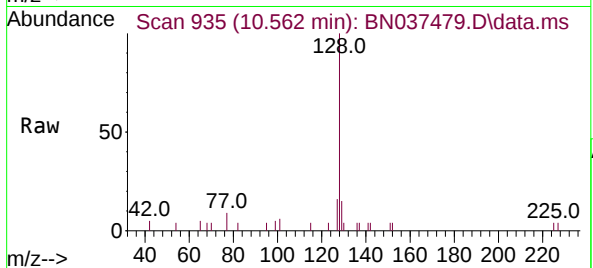
Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT2-2025

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 1957 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 14.8  | 10.2  | 15.2 |
| 127       | 15.9  | 11.8  | 17.6 |



#10

Hexachlorobutadiene

Concen: 0.205 ng

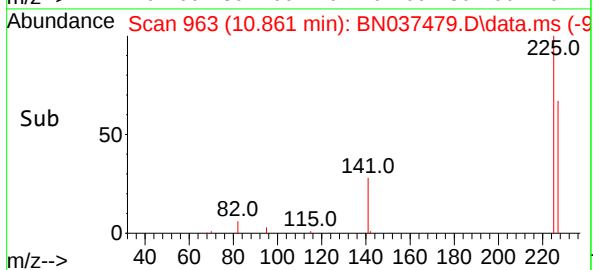
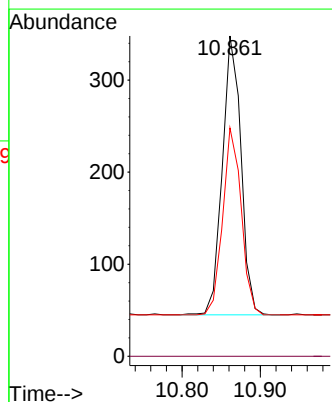
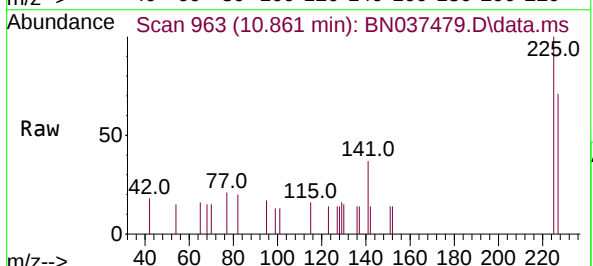
RT: 10.861 min Scan# 963

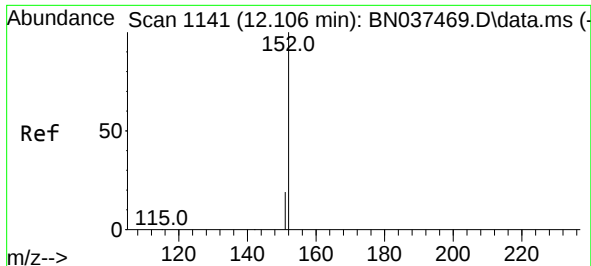
Delta R.T. -0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 502  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 0.0   | 0.0   | 0.0  |
| 227       | 66.5  | 51.4  | 77.2 |

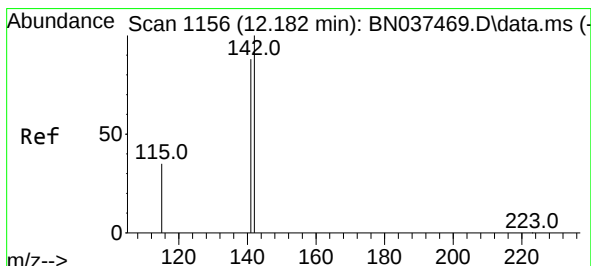
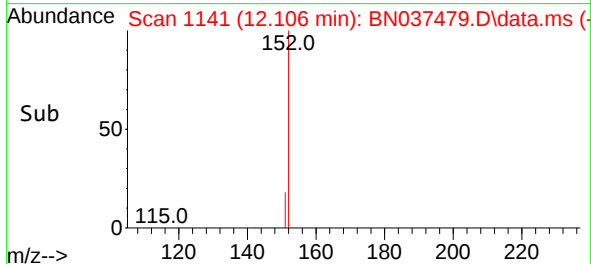
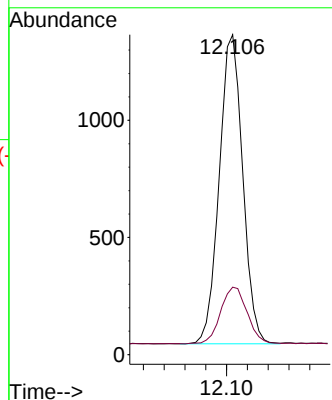
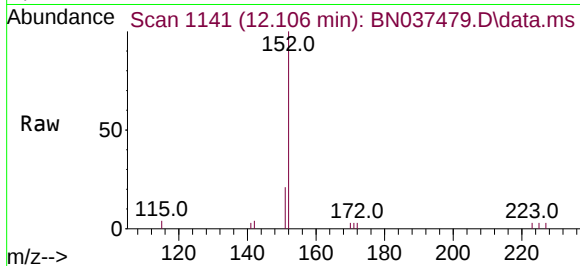




#11  
2-Methylnaphthalene-d10  
Concen: 0.402 ng  
RT: 12.106 min Scan# 1141  
Delta R.T. -0.000 min  
Lab File: BN037479.D  
Acq: 11 Jul 2025 18:29

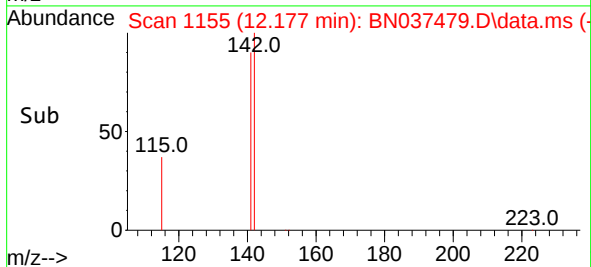
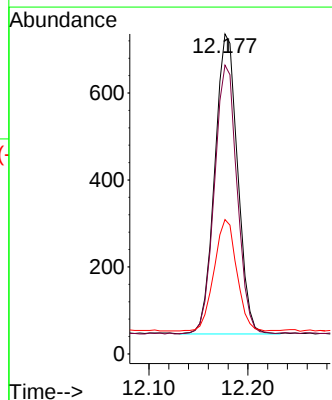
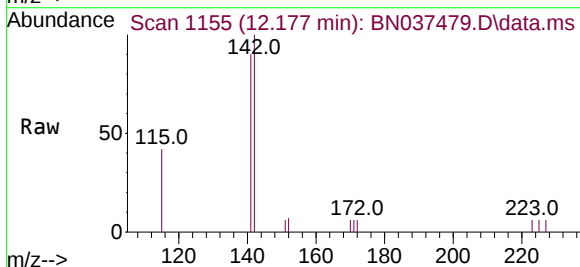
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT2-2025

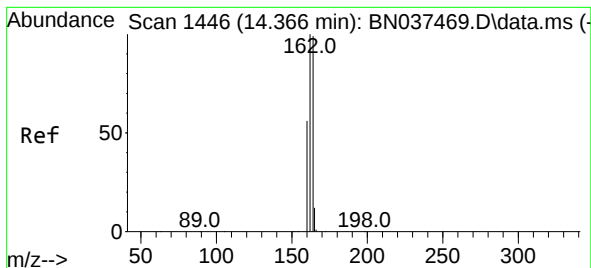
Tgt Ion:152 Resp: 2070  
Ion Ratio Lower Upper  
152 100  
151 20.8 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.174 ng  
RT: 12.177 min Scan# 1155  
Delta R.T. -0.005 min  
Lab File: BN037479.D  
Acq: 11 Jul 2025 18:29

Tgt Ion:142 Resp: 1107  
Ion Ratio Lower Upper  
142 100  
141 90.2 70.6 105.8  
115 42.0 30.0 45.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.356 min Scan# 1445

Delta R.T. -0.011 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT2-2025

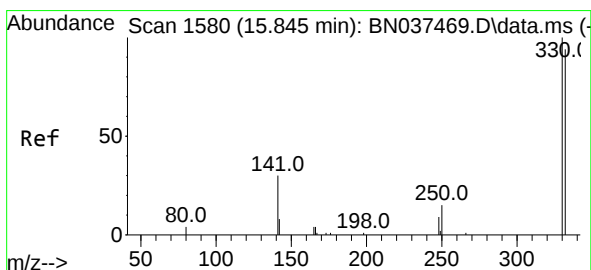
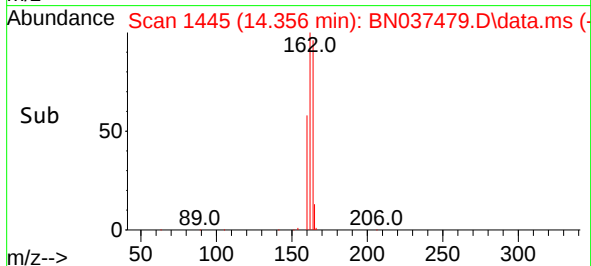
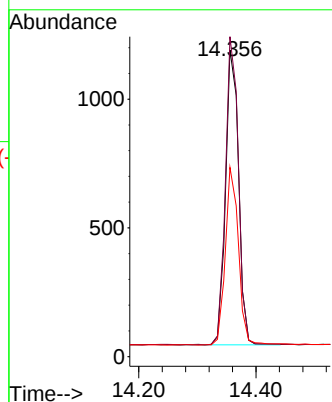
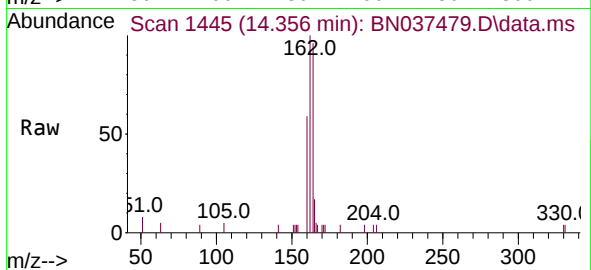
Tgt Ion:164 Resp: 1776

Ion Ratio Lower Upper

164 100

162 104.4 81.1 121.7

160 61.7 46.5 69.7



#14

2,4,6-Tribromophenol

Concen: 0.307 ng

RT: 15.845 min Scan# 1580

Delta R.T. -0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

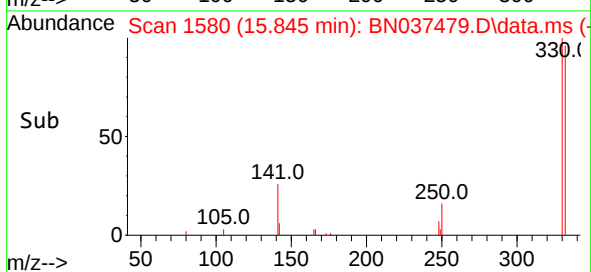
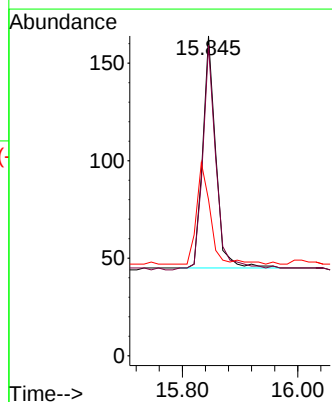
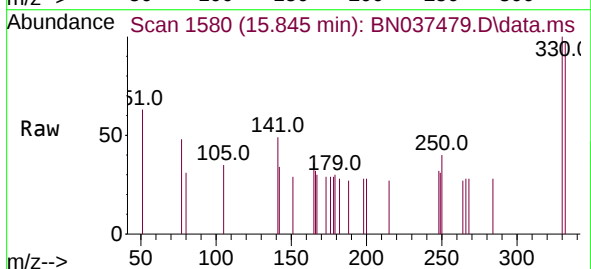
Tgt Ion:330 Resp: 185

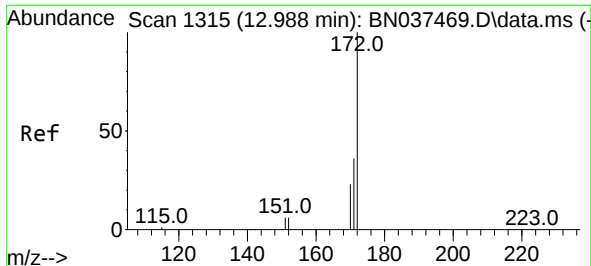
Ion Ratio Lower Upper

330 100

332 102.2 82.0 123.0

141 46.5 36.2 54.2

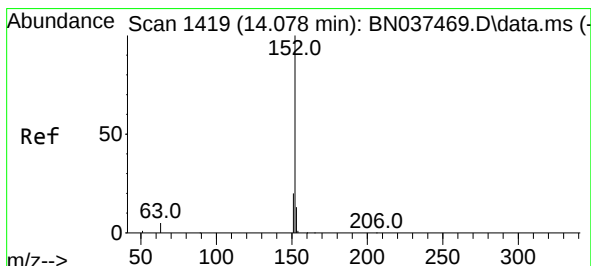
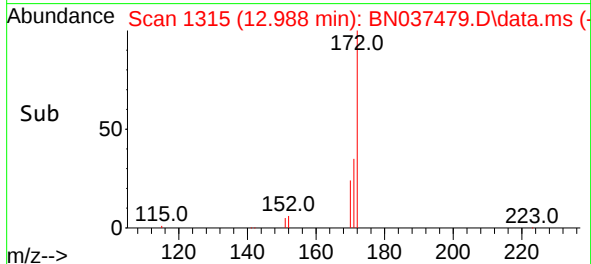
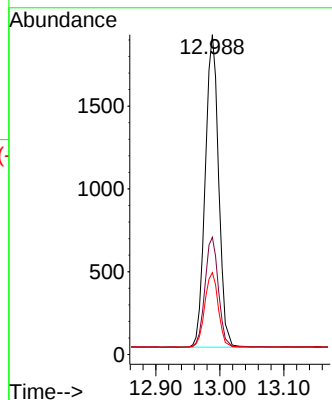
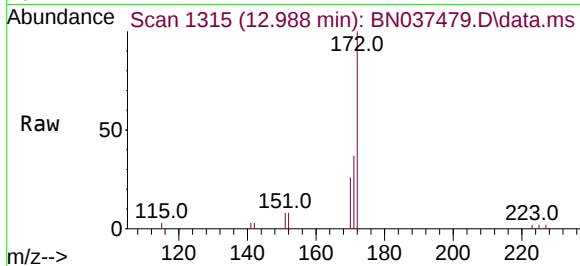




#15  
2-Fluorobiphenyl  
Concen: 0.374 ng  
RT: 12.988 min Scan# 1315  
Delta R.T. -0.000 min  
Lab File: BN037479.D  
Acq: 11 Jul 2025 18:29

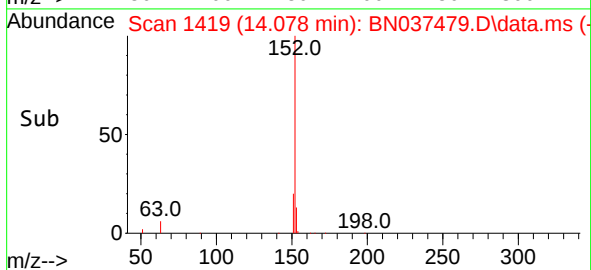
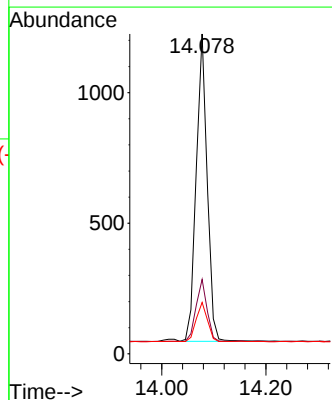
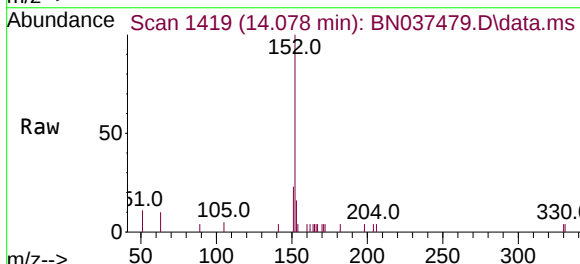
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT2-2025

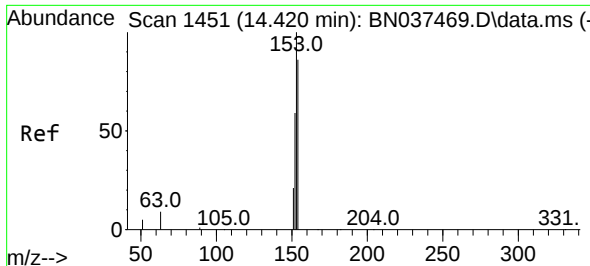
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 3787 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 36.7  | 29.8  | 44.8 |
| 170       | 25.6  | 20.0  | 30.0 |



#16  
Acenaphthylene  
Concen: 0.211 ng  
RT: 14.078 min Scan# 1419  
Delta R.T. -0.000 min  
Lab File: BN037479.D  
Acq: 11 Jul 2025 18:29

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 1710 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 20.5  | 16.4  | 24.6 |
| 153       | 13.2  | 10.6  | 15.8 |

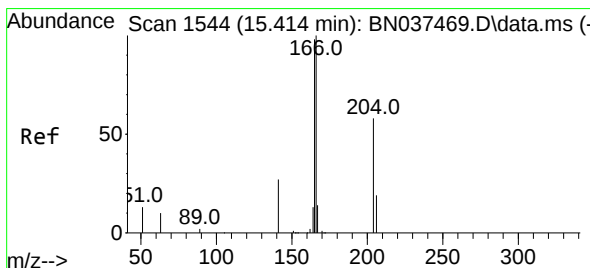
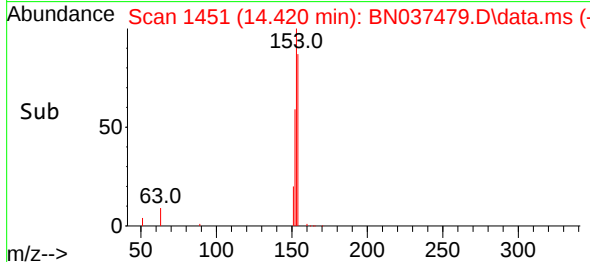
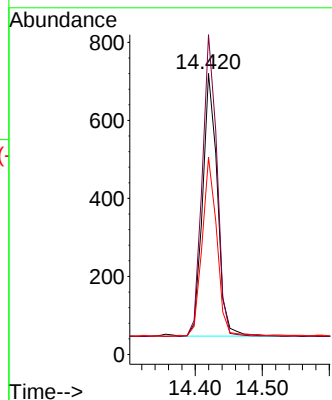
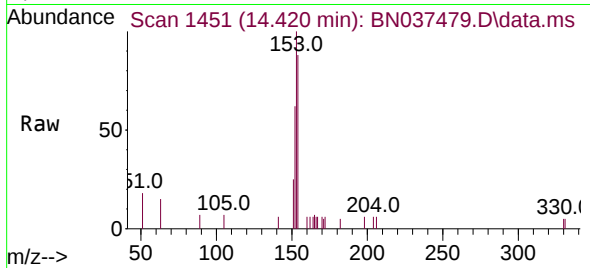




#17  
Acenaphthene  
Concen: 0.188 ng  
RT: 14.420 min Scan# 1451  
Delta R.T. -0.000 min  
Lab File: BN037479.D  
Acq: 11 Jul 2025 18:29

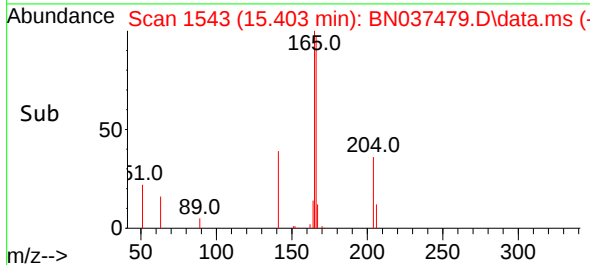
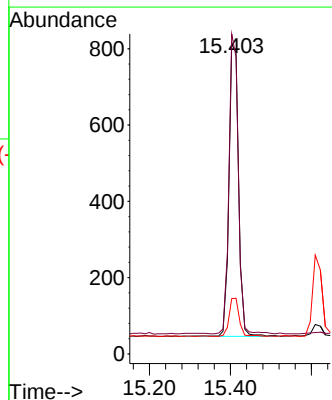
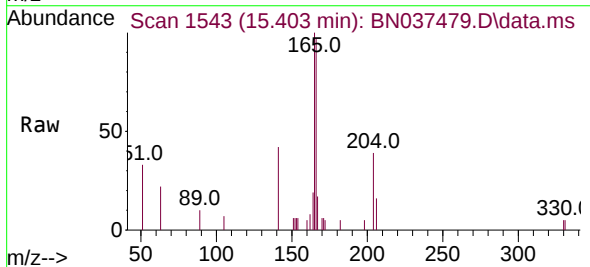
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT2-2025

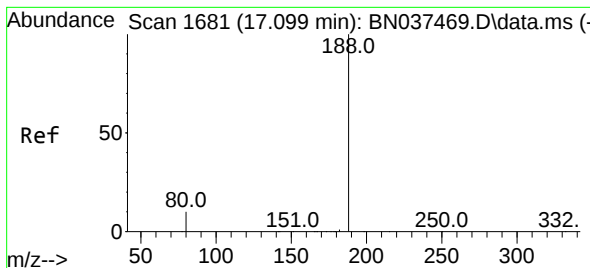
Tgt Ion:154 Resp: 1024  
Ion Ratio Lower Upper  
154 100  
153 115.0 89.4 134.0  
152 68.9 53.2 79.8



#18  
Fluorene  
Concen: 0.186 ng  
RT: 15.403 min Scan# 1543  
Delta R.T. -0.011 min  
Lab File: BN037479.D  
Acq: 11 Jul 2025 18:29

Tgt Ion:166 Resp: 1269  
Ion Ratio Lower Upper  
166 100  
165 98.5 79.4 119.2  
167 13.6 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1681

Delta R.T. -0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT2-2025

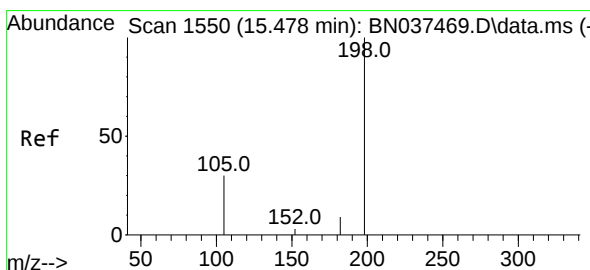
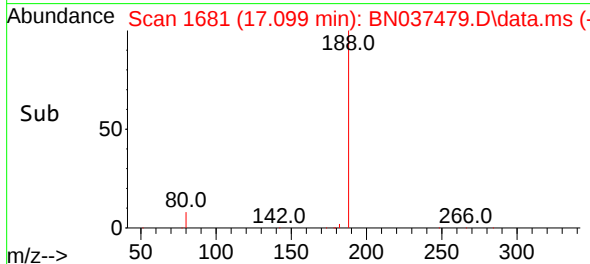
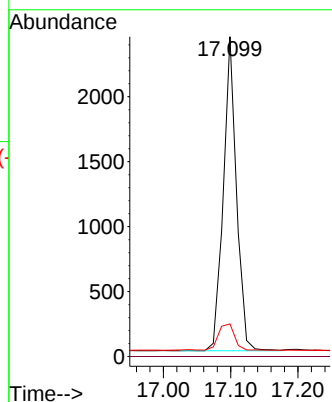
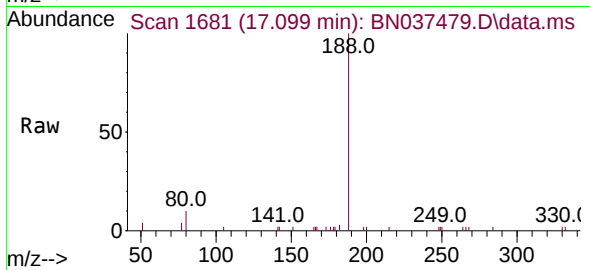
Tgt Ion:188 Resp: 3290

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.2 9.3 13.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.168 ng

RT: 15.478 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

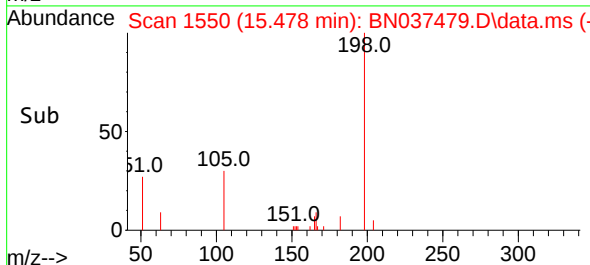
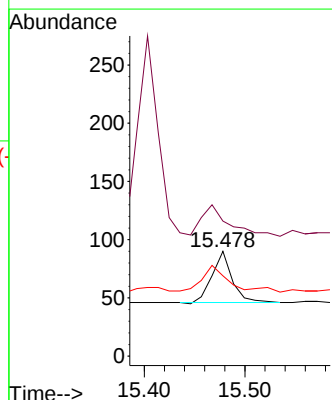
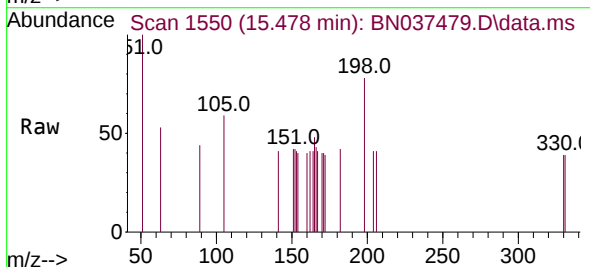
Tgt Ion:198 Resp: 62

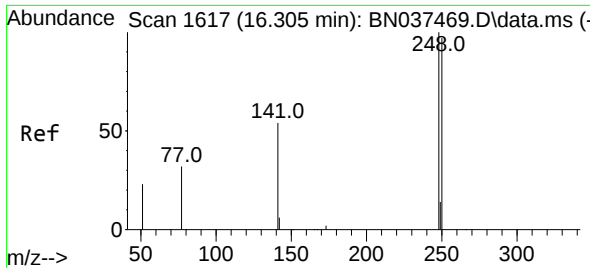
Ion Ratio Lower Upper

198 100

51 128.9 86.0 129.0

105 76.7 53.0 79.4

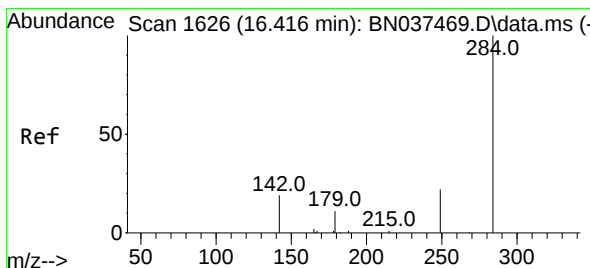
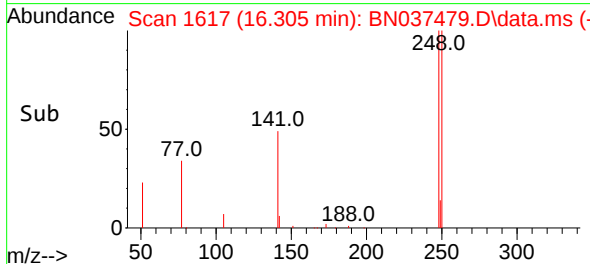
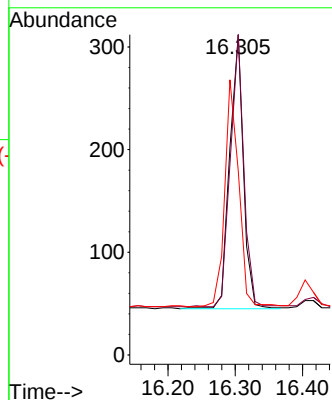
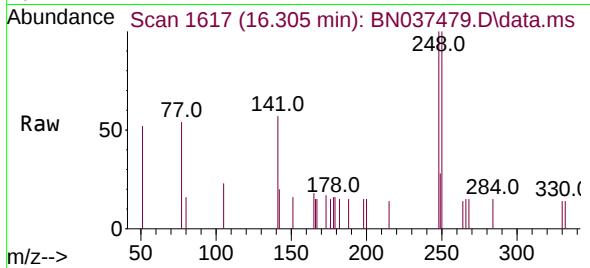




#21  
4-Bromophenyl-phenylether  
Concen: 0.185 ng  
RT: 16.305 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: BN037479.D  
Acq: 11 Jul 2025 18:29

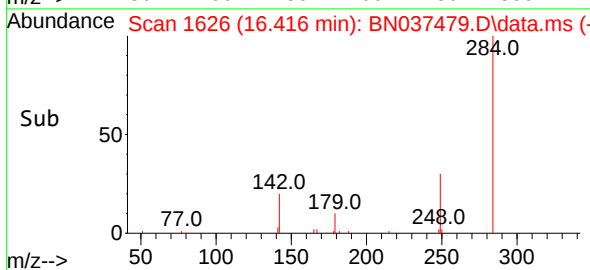
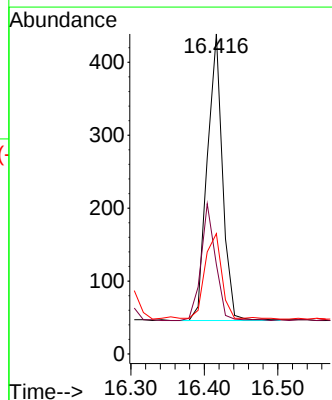
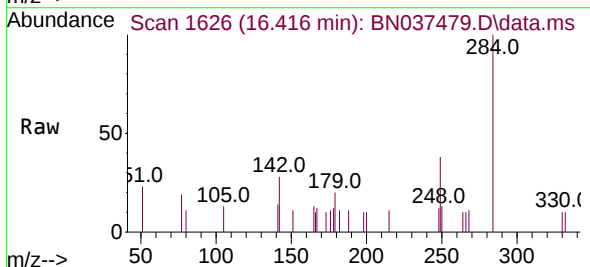
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT2-2025

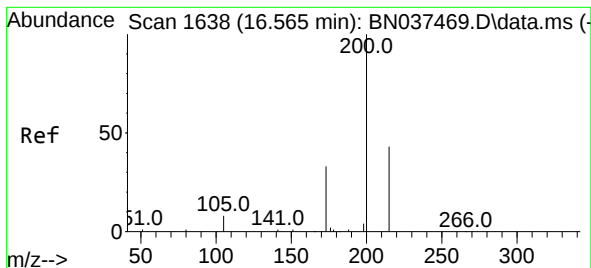
Tgt Ion:248 Resp: 380  
Ion Ratio Lower Upper  
248 100  
250 100.0 77.8 116.6  
141 57.4 45.9 68.9



#22  
Hexachlorobenzene  
Concen: 0.200 ng  
RT: 16.416 min Scan# 1626  
Delta R.T. -0.000 min  
Lab File: BN037479.D  
Acq: 11 Jul 2025 18:29

Tgt Ion:284 Resp: 567  
Ion Ratio Lower Upper  
284 100  
142 39.2 31.3 46.9  
249 32.8 26.6 40.0





#23

Atrazine

Concen: 0.188 ng

RT: 16.565 min Scan# 1638

Delta R.T. 0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

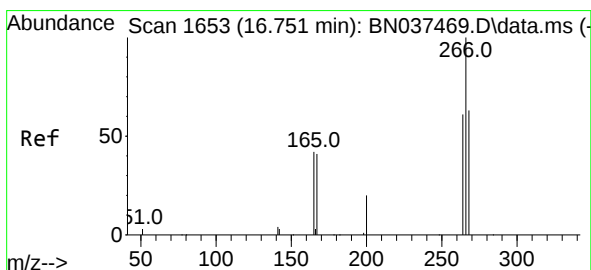
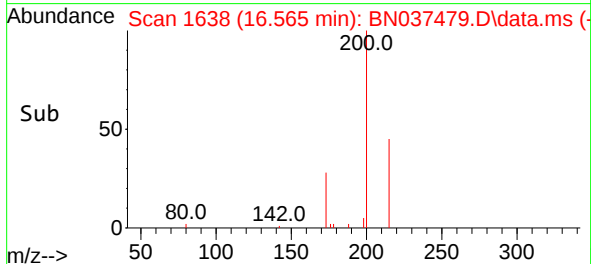
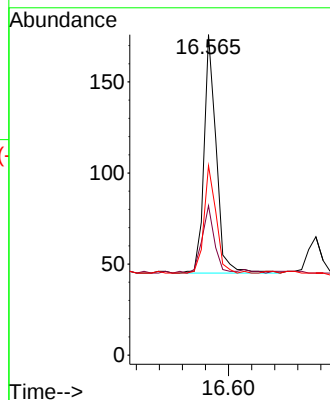
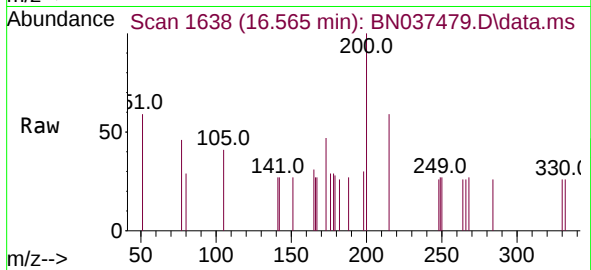
Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT2-2025

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 200   | Resp: | 192  |
| Ion Ratio | Lower | Upper |      |
| 200       | 100   |       |      |
| 173       | 46.6  | 34.3  | 51.5 |
| 215       | 59.1  | 41.6  | 62.4 |



#24

Pentachlorophenol

Concen: 0.146 ng

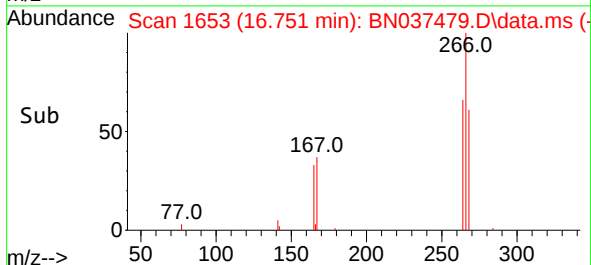
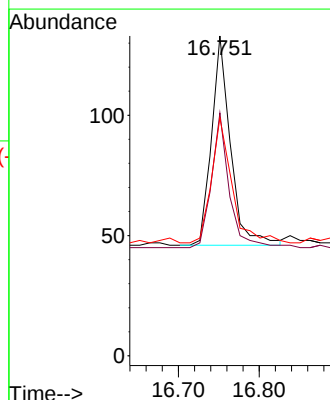
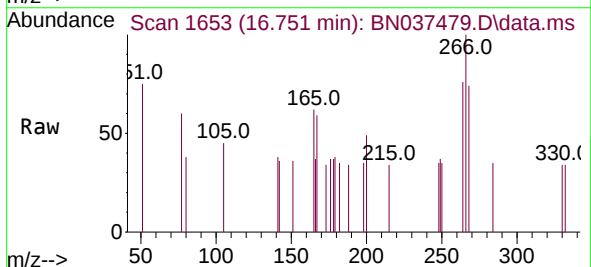
RT: 16.751 min Scan# 1653

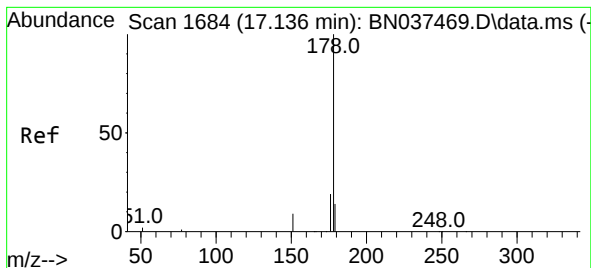
Delta R.T. 0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 142  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 60.6  | 47.5  | 71.3 |
| 268       | 64.1  | 50.6  | 76.0 |





#25

Phenanthrene

Concen: 0.190 ng

RT: 17.136 min Scan# 1684

Delta R.T. -0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT2-2025

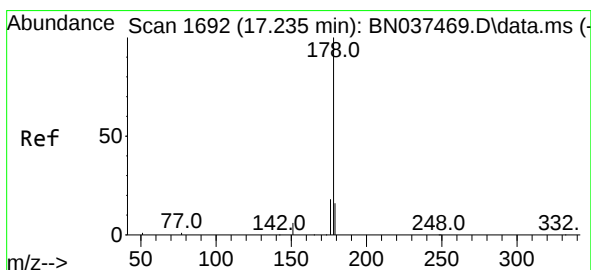
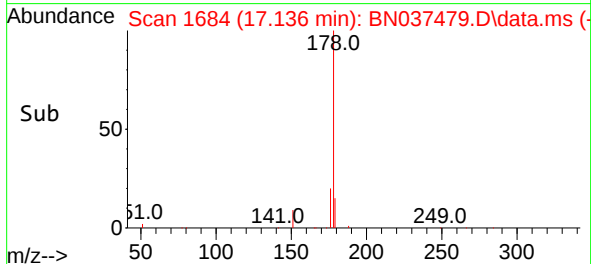
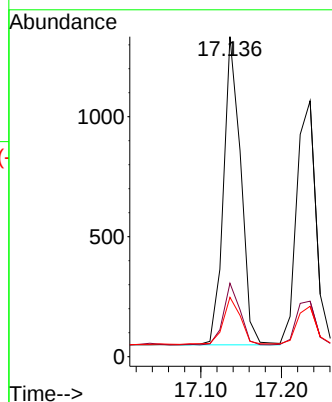
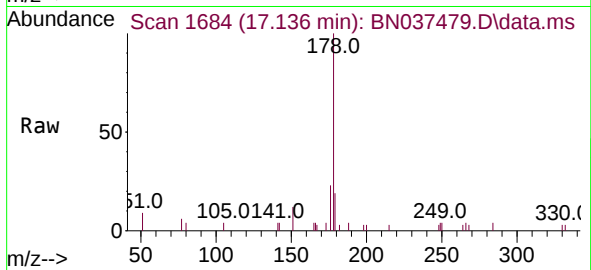
Tgt Ion:178 Resp: 1901

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

179 15.5 12.2 18.2



#26

Anthracene

Concen: 0.187 ng

RT: 17.235 min Scan# 1692

Delta R.T. -0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

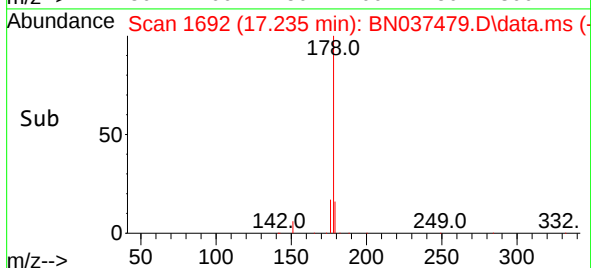
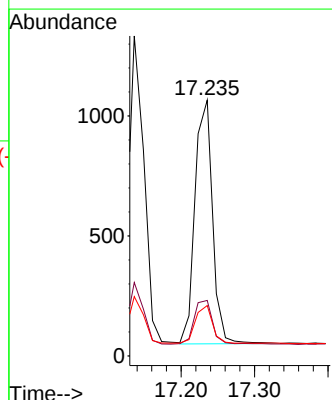
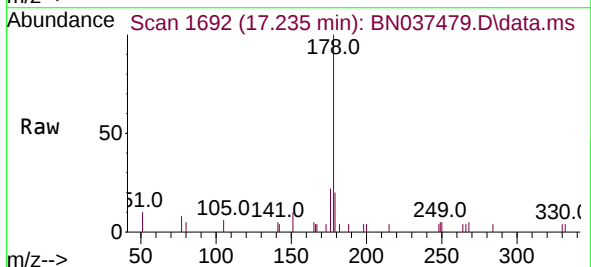
Tgt Ion:178 Resp: 1691

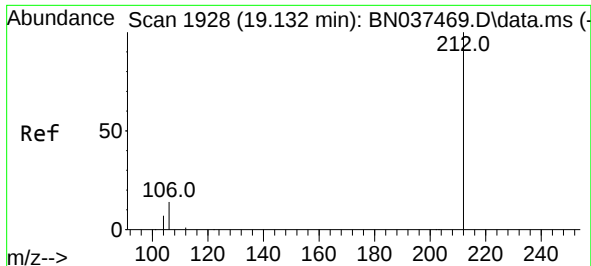
Ion Ratio Lower Upper

178 100

176 19.5 14.9 22.3

179 15.0 12.3 18.5

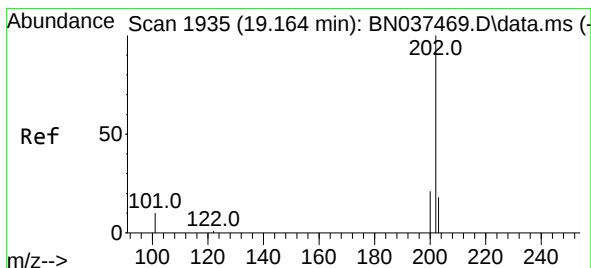
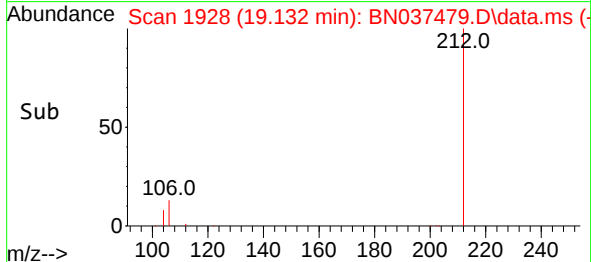
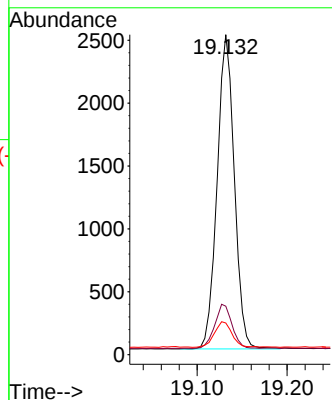
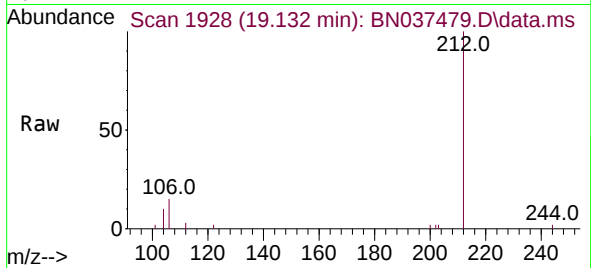




#27  
Fluoranthene-d10  
Concen: 0.401 ng  
RT: 19.132 min Scan# 1928  
Delta R.T. -0.000 min  
Lab File: BN037479.D  
Acq: 11 Jul 2025 18:29

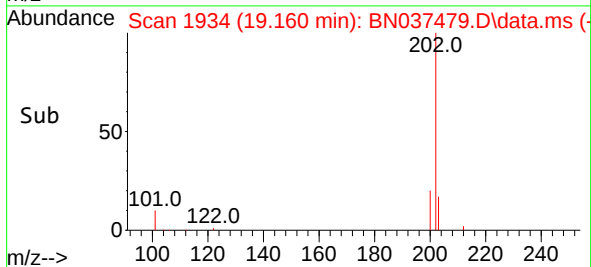
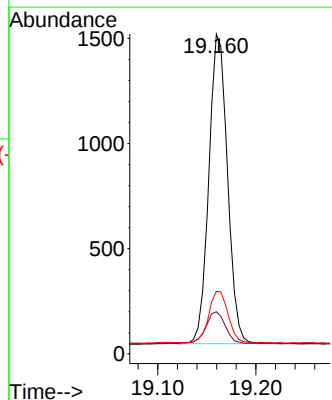
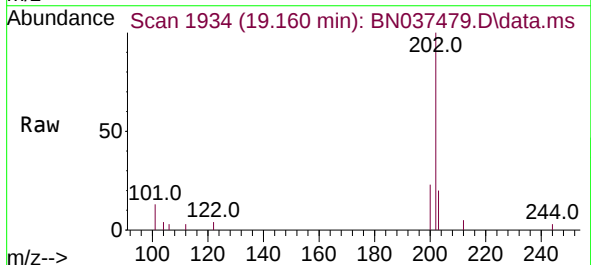
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-03-QT2-2025

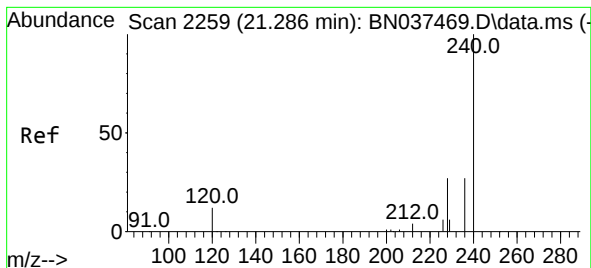
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 212   | Resp: | 3325 |
| Ion Ratio | Lower | Upper |      |
| 212       | 100   |       |      |
| 106       | 14.0  | 11.7  | 17.5 |
| 104       | 8.5   | 6.6   | 10.0 |



#28  
Fluoranthene  
Concen: 0.177 ng  
RT: 19.160 min Scan# 1934  
Delta R.T. -0.005 min  
Lab File: BN037479.D  
Acq: 11 Jul 2025 18:29

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 1943 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 11.1  | 9.2   | 13.8 |
| 203       | 17.6  | 14.0  | 21.0 |





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

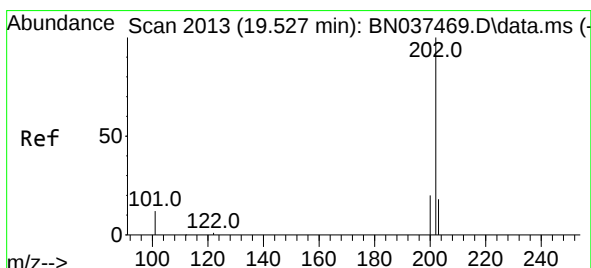
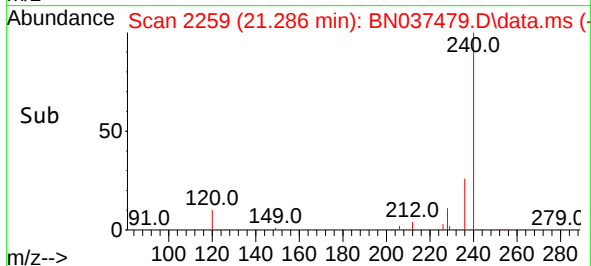
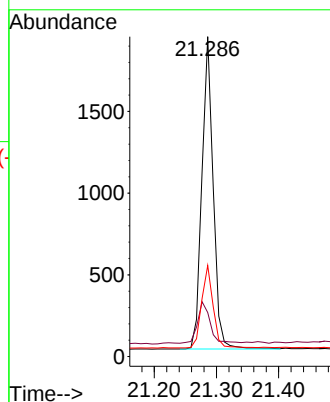
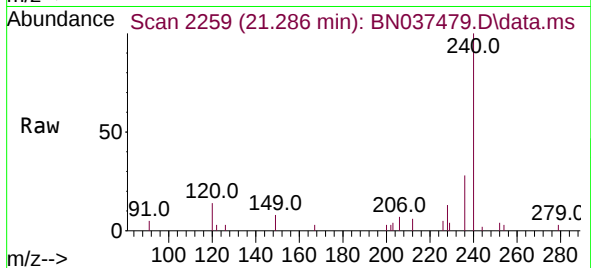
Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT2-2025

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:240 | Resp: | 2415      |
| Ion Ratio   | Lower | Upper     |
| 240         | 100   |           |
| 120         | 13.8  | 12.4 18.6 |
| 236         | 28.4  | 22.9 34.3 |



#30

Pyrene

Concen: 0.195 ng

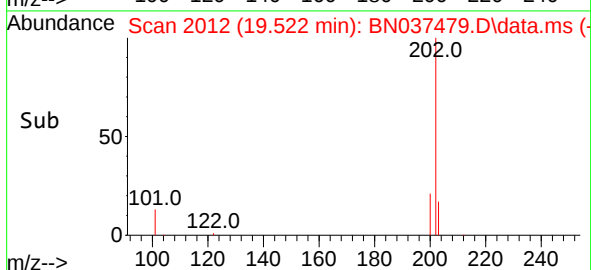
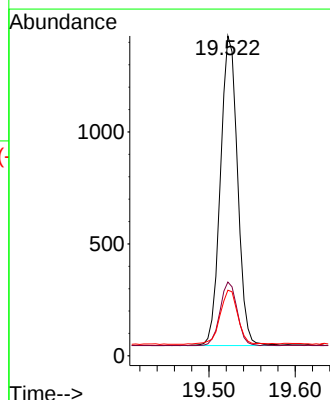
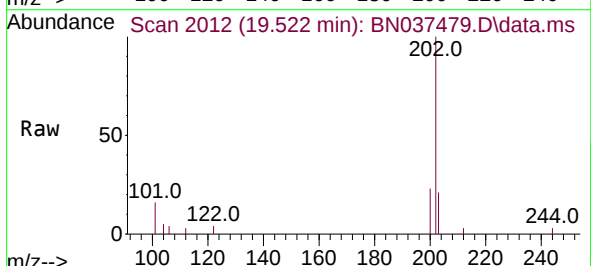
RT: 19.522 min Scan# 2012

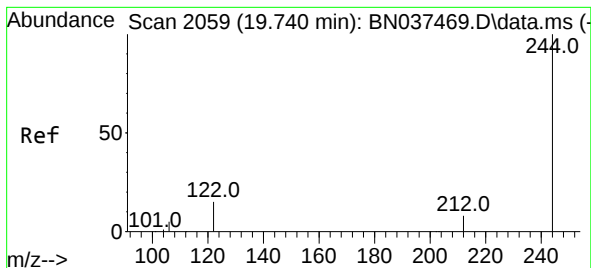
Delta R.T. -0.005 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 1892      |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 200         | 20.4  | 16.4 24.6 |
| 203         | 18.1  | 14.3 21.5 |





#31

Terphenyl-d14

Concen: 0.400 ng

RT: 19.736 min Scan# 2058

Delta R.T. -0.005 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT2-2025

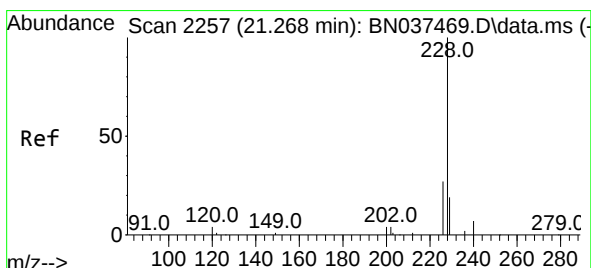
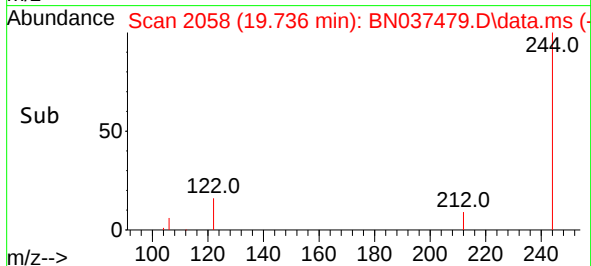
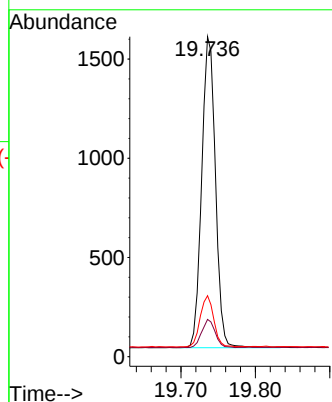
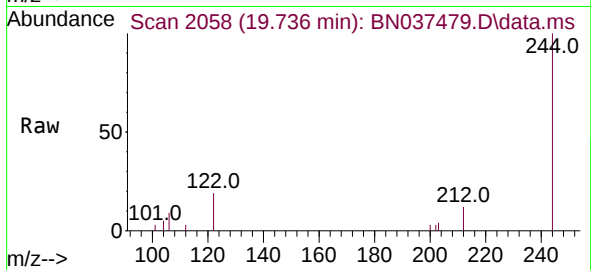
Tgt Ion:244 Resp: 2014

Ion Ratio Lower Upper

244 100

212 11.7 8.7 13.1

122 19.0 14.1 21.1



#32

Benzo(a)anthracene

Concen: 0.195 ng

RT: 21.268 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

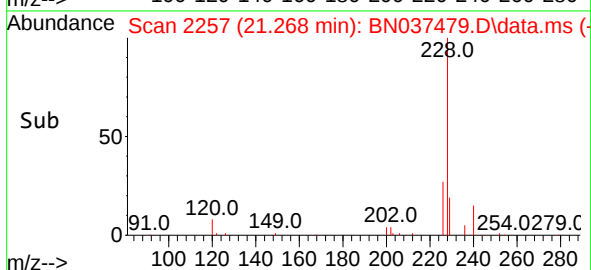
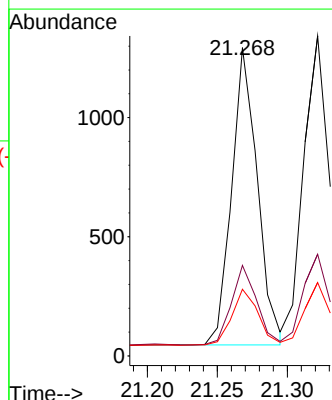
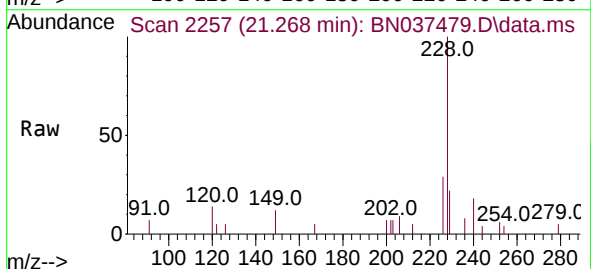
Tgt Ion:228 Resp: 1591

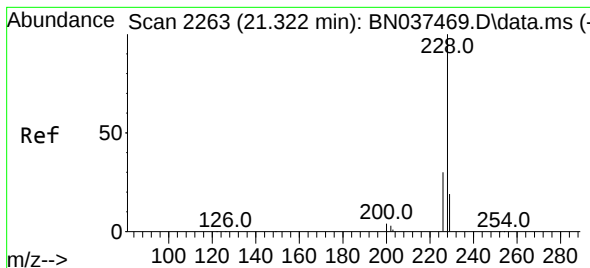
Ion Ratio Lower Upper

228 100

226 29.4 22.7 34.1

229 21.6 16.6 24.8





#33

Chrysene

Concen: 0.193 ng

RT: 21.322 min Scan# 2263

Delta R.T. -0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT2-2025

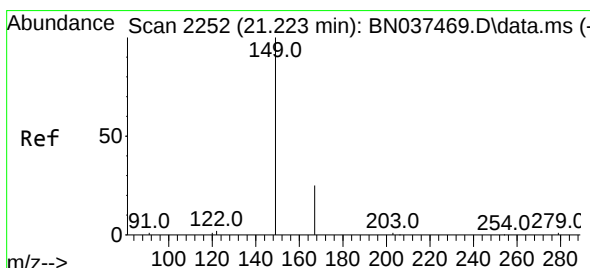
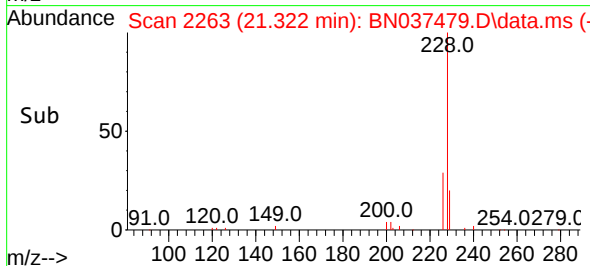
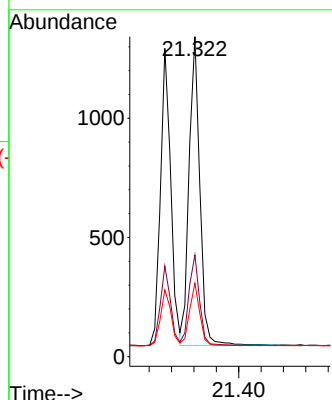
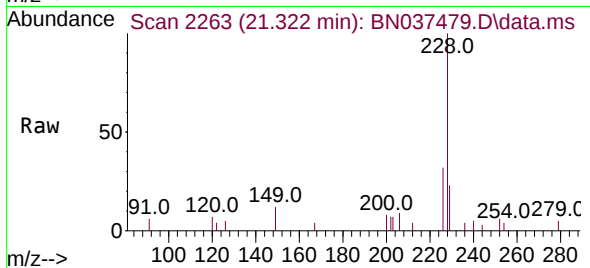
Tgt Ion:228 Resp: 1726

Ion Ratio Lower Upper

228 100

226 31.8 24.6 36.8

229 22.9 16.4 24.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.217 ng

RT: 21.223 min Scan# 2252

Delta R.T. -0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

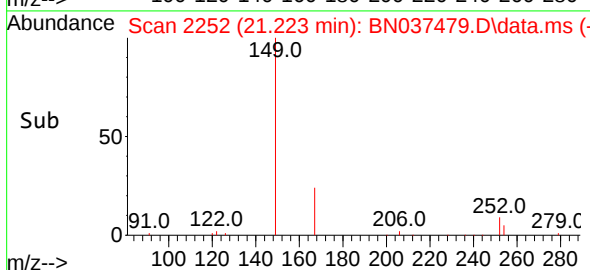
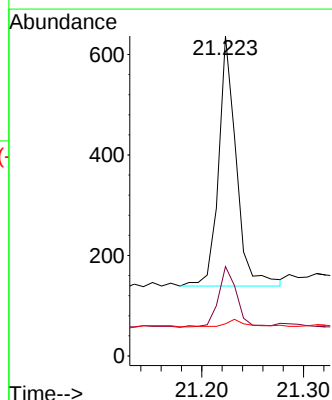
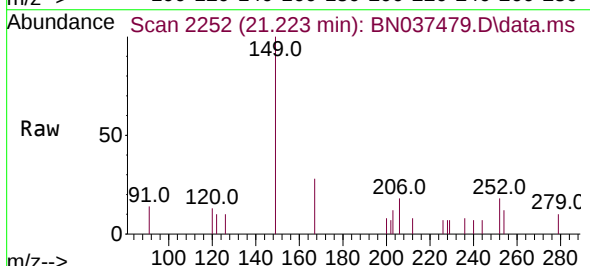
Tgt Ion:149 Resp: 604

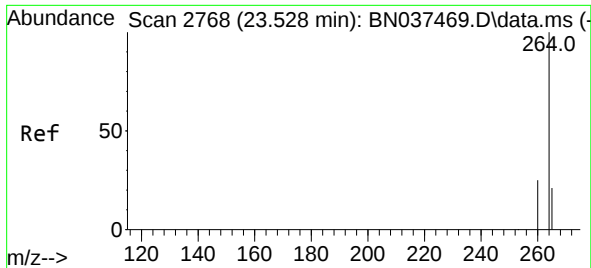
Ion Ratio Lower Upper

149 100

167 25.5 19.4 29.2

279 3.6 2.5 3.7

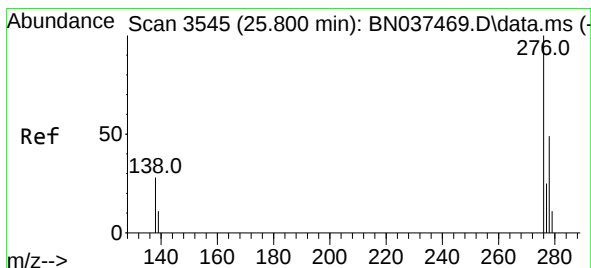
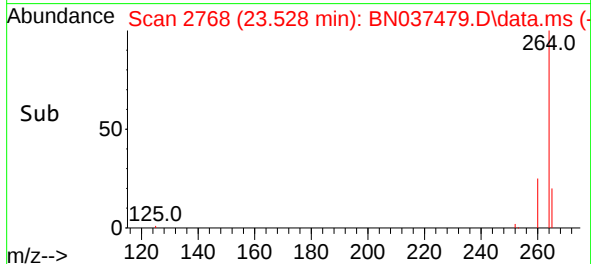
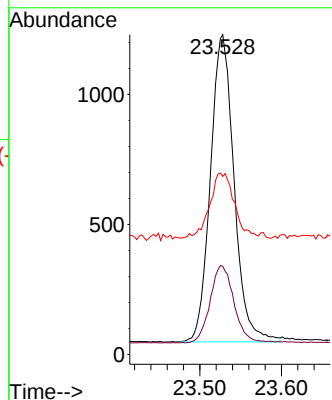
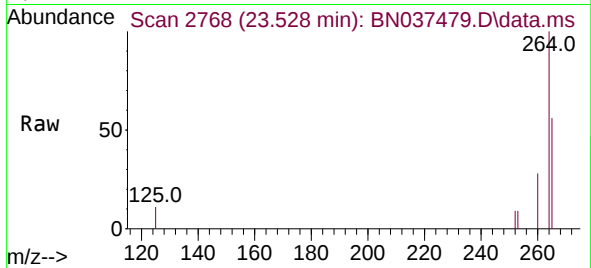




#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.528 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BN037479.D  
 Acq: 11 Jul 2025 18:29

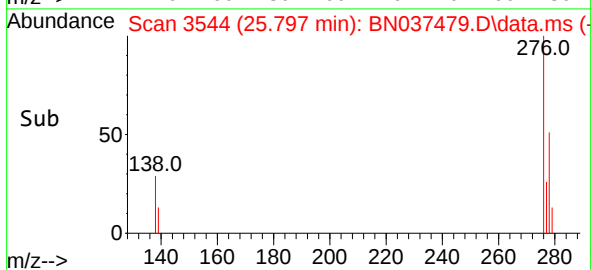
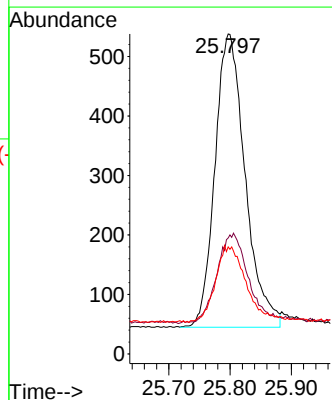
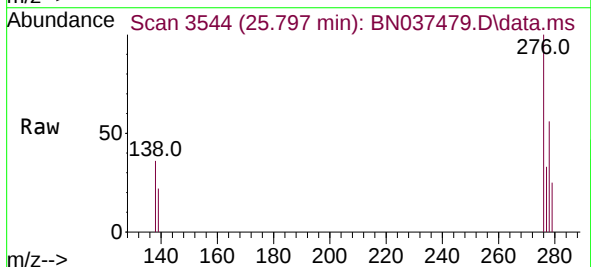
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2025

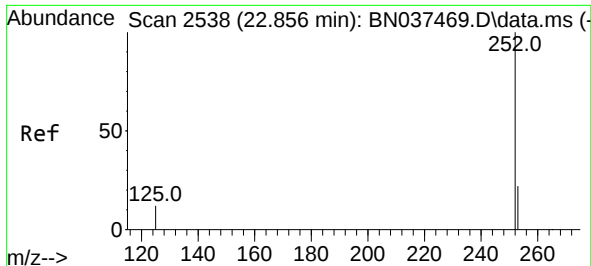
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 264   | Resp: | 2377  |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 27.6  | 21.7  | 32.5  |
| 265      | 55.7  | 41.6  | 62.4  |



#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.183 ng  
 RT: 25.797 min Scan# 3544  
 Delta R.T. -0.003 min  
 Lab File: BN037479.D  
 Acq: 11 Jul 2025 18:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 1691  |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 138      | 30.6  | 23.4  | 35.2  |
| 277      | 26.7  | 19.8  | 29.8  |





#37

Benzo(b)fluoranthene

Concen: 0.172 ng

RT: 22.853 min Scan# 2537

Delta R.T. -0.003 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT2-2025

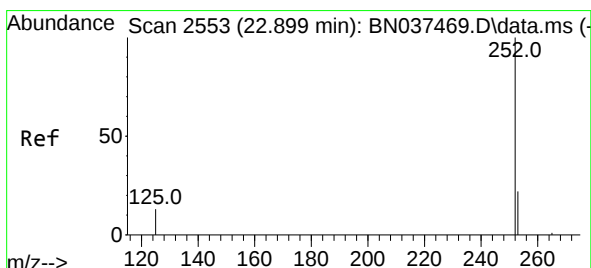
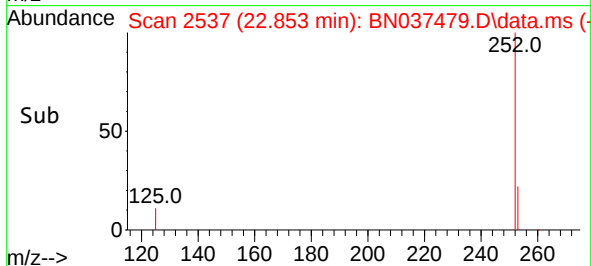
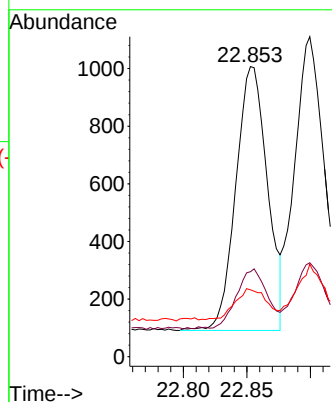
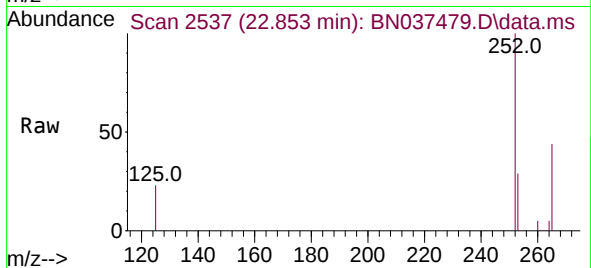
Tgt Ion:252 Resp: 1587

Ion Ratio Lower Upper

252 100

253 29.3 20.1 30.1

125 23.0 13.7 20.5#



#38

Benzo(k)fluoranthene

Concen: 0.180 ng

RT: 22.899 min Scan# 2553

Delta R.T. -0.000 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

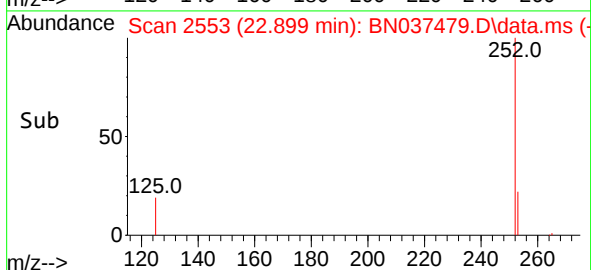
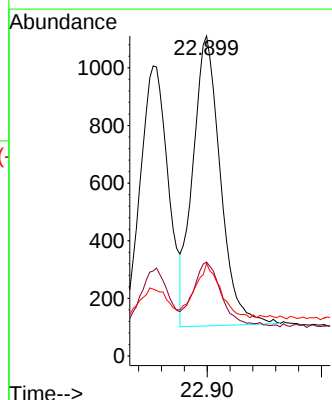
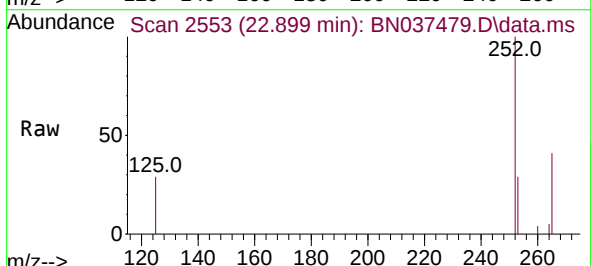
Tgt Ion:252 Resp: 1689

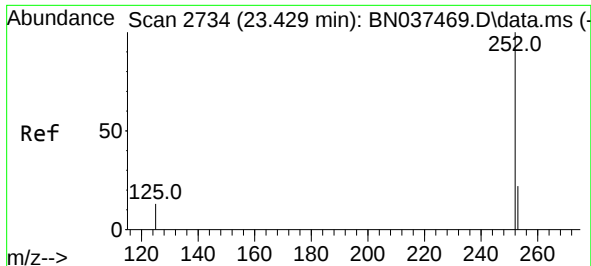
Ion Ratio Lower Upper

252 100

253 29.3 20.4 30.6

125 28.9 14.6 21.8#





#39

Benzo(a)pyrene

Concen: 0.183 ng

RT: 23.426 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT2-2025

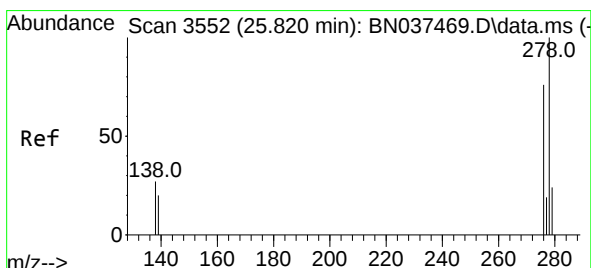
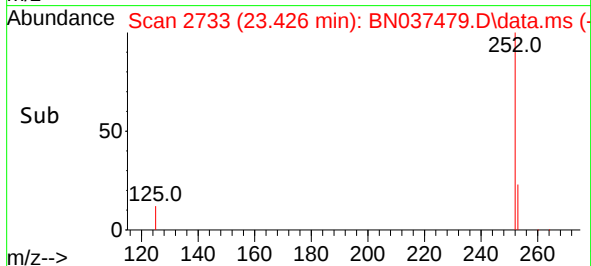
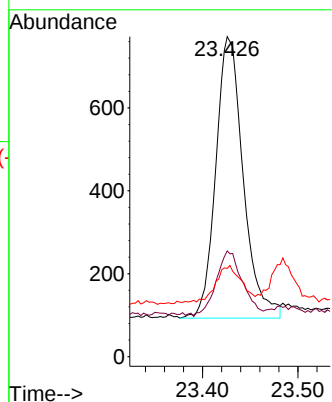
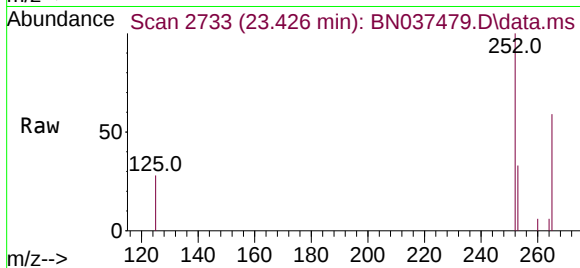
Tgt Ion:252 Resp: 1359

Ion Ratio Lower Upper

252 100

253 33.0 21.8 32.6#

125 27.6 16.7 25.1#



#40

Dibenzo(a,h)anthracene

Concen: 0.185 ng

RT: 25.817 min Scan# 3551

Delta R.T. -0.003 min

Lab File: BN037479.D

Acq: 11 Jul 2025 18:29

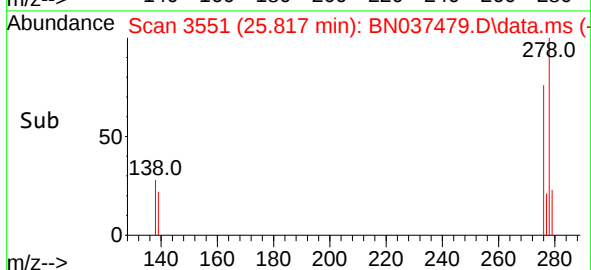
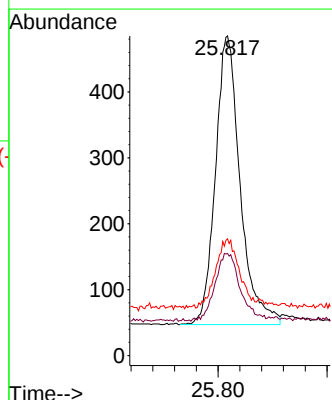
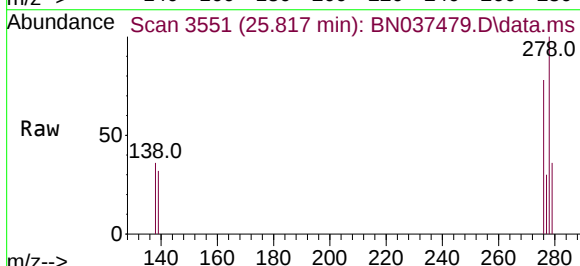
Tgt Ion:278 Resp: 1380

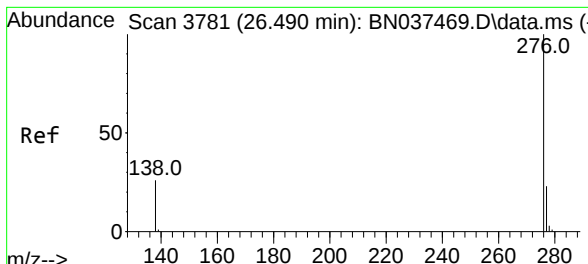
Ion Ratio Lower Upper

278 100

139 32.0 19.9 29.9#

279 36.5 24.8 37.2





#41

Benzo(g,h,i)perylene

Concen: 0.179 ng

RT: 26.487 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN037479.D

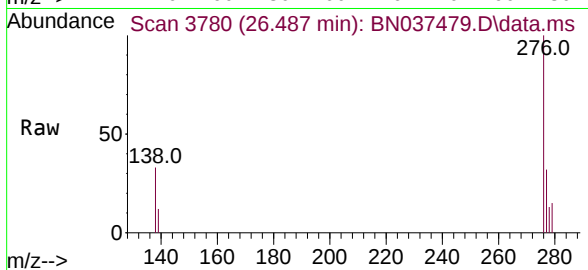
Acq: 11 Jul 2025 18:29

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-03-QT2-2025



Tgt Ion:276 Resp: 1456

Ion Ratio Lower Upper

276 100

277 32.0 21.7 32.5

138 33.3 24.3 36.5

