

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN011723\  
 Data File : BN023686.D  
 Acq On : 17 Jan 2023 17:35  
 Operator : CG/JU  
 Sample : N3980-01  
 Misc : LOD-MDL-SOIL 0.1ng  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Jan 18 05:44:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN011223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 18 05:42:43 2023  
 Response via : Initial Calibration

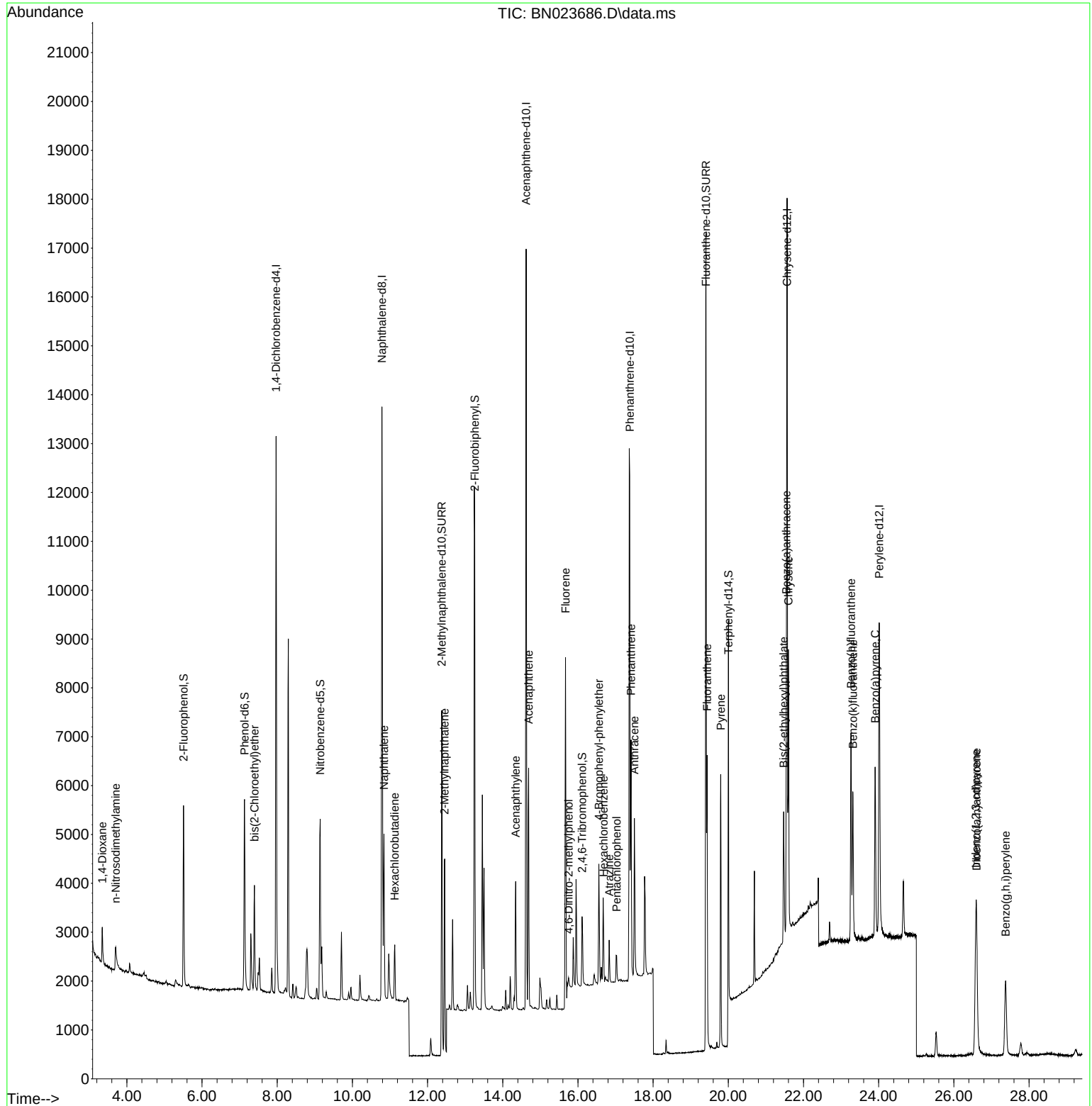
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.970  | 152  | 5415     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.786 | 136  | 15518    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.624 | 164  | 8179     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.377 | 188  | 16907    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.562 | 240  | 12536    | 0.400 | ng    | -0.01    |
| 35) Perylene-d12              | 24.015 | 264  | 9762     | 0.400 | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.507  | 112  | 3020     | 0.281 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.132  | 99   | 3832     | 0.277 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.142  | 82   | 3246     | 0.278 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.378 | 152  | 9477     | 0.443 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 16.111 | 330  | 863      | 0.244 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.255 | 172  | 9744     | 0.295 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.406 | 212  | 17914    | 0.433 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.000 | 244  | 9122     | 0.287 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.348  | 88   | 526      | 0.108 | ng    | 99       |
| 3) n-Nitrosodimethylamine     | 3.702  | 42   | 473      | 0.087 | ng    | # 96     |
| 6) bis(2-Chloroethyl)ether    | 7.392  | 93   | 1616     | 0.111 | ng    | 99       |
| 9) Naphthalene                | 10.840 | 128  | 4296     | 0.105 | ng    | 98       |
| 10) Hexachlorobutadiene       | 11.128 | 225  | 907      | 0.109 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.454 | 142  | 3276     | 0.111 | ng    | 98       |
| 16) Acenaphthylene            | 14.346 | 152  | 3031     | 0.092 | ng    | 99       |
| 17) Acenaphthene              | 14.688 | 154  | 2371     | 0.098 | ng    | 97       |
| 18) Fluorene                  | 15.671 | 166  | 3112     | 0.096 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.751 | 198  | 136      | 0.074 | ng    | # 1      |
| 21) 4-Bromophenyl-phenylether | 16.558 | 248  | 945      | 0.098 | ng    | # 90     |
| 22) Hexachlorobenzene         | 16.682 | 284  | 1329     | 0.110 | ng    | 99       |
| 23) Atrazine                  | 16.831 | 200  | 640      | 0.096 | ng    | # 94     |
| 24) Pentachlorophenol         | 17.030 | 266  | 353      | 0.085 | ng    | 98       |
| 25) Phenanthrene              | 17.414 | 178  | 4923     | 0.099 | ng    | 99       |
| 26) Anthracene                | 17.501 | 178  | 3757     | 0.095 | ng    | 99       |
| 28) Fluoranthene              | 19.435 | 202  | 5143     | 0.092 | ng    | 98       |
| 30) Pyrene                    | 19.798 | 202  | 4981     | 0.104 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.545 | 228  | 3947     | 0.097 | ng    | 98       |
| 33) Chrysene                  | 21.598 | 228  | 4830     | 0.108 | ng    | 97       |
| 34) Bis(2-ethylhexyl)phtha... | 21.473 | 149  | 2355     | 0.124 | ng    | # 99     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.585 | 276  | 4450     | 0.102 | ng    | 94       |
| 37) Benzo(b)fluoranthene      | 23.264 | 252  | 4752     | 0.114 | ng    | # 68     |
| 38) Benzo(k)fluoranthene      | 23.314 | 252  | 4177     | 0.103 | ng    | # 79     |
| 39) Benzo(a)pyrene            | 23.907 | 252  | 3953     | 0.126 | ng    | # 35     |
| 40) Dibenzo(a,h)anthracene    | 26.606 | 278  | 3502     | 0.100 | ng    | # 84     |
| 41) Benzo(g,h,i)perylene      | 27.378 | 276  | 3501     | 0.098 | ng    | 92       |
| -----                         |        |      |          |       |       |          |

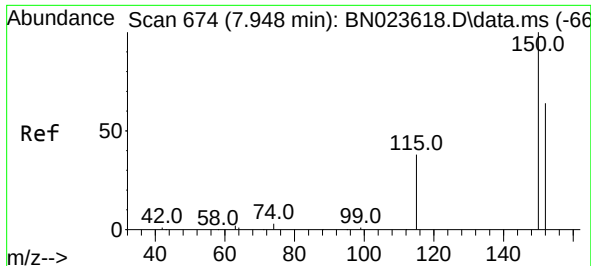
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N3980-01  
Misc : LOD-MDL-SOIL 0.1ng  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

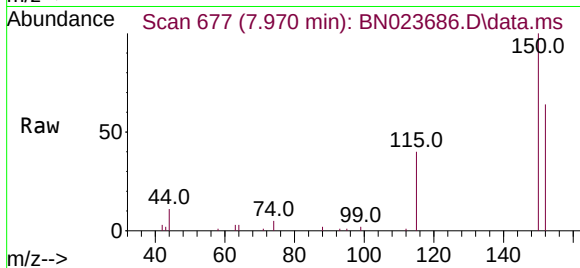
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN011223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 18 05:42:43 2023  
Response via : Initial Calibration



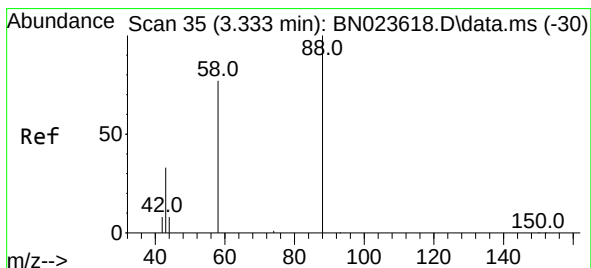
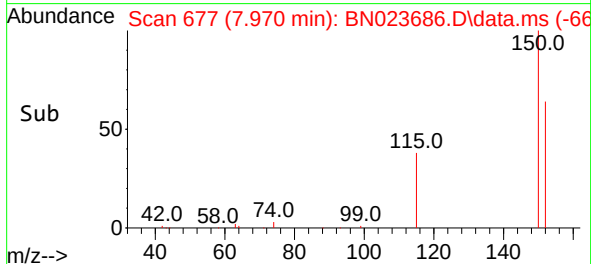
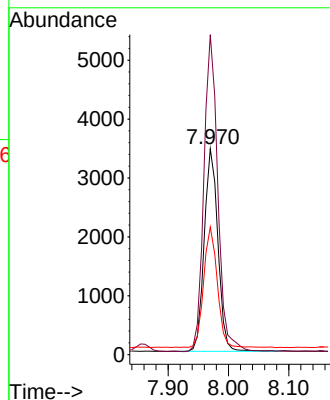


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.970 min Scan# 61  
 Delta R.T. -0.007 min  
 Lab File: BN023686.D  
 Acq: 17 Jan 2023 17:35

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022

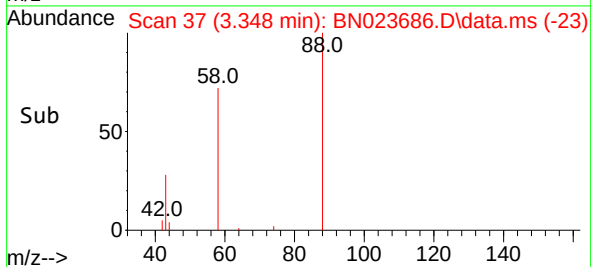
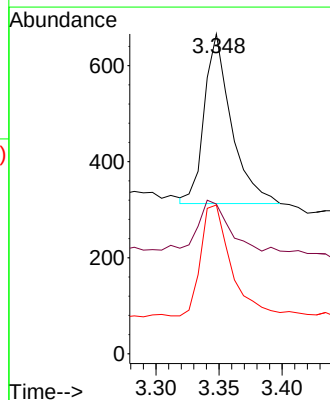
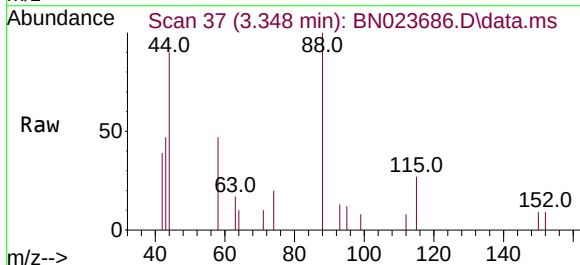


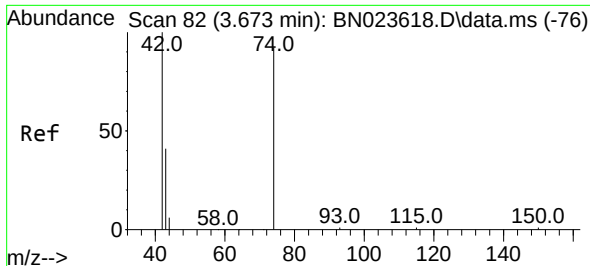
Tgt Ion: 152 Resp: 5415  
 Ion Ratio Lower Upper  
 152 100  
 150 155.5 123.8 185.8  
 115 62.0 50.6 75.8



#2  
 1,4-Dioxane  
 Concen: 0.108 ng  
 RT: 3.348 min Scan# 37  
 Delta R.T. 0.000 min  
 Lab File: BN023686.D  
 Acq: 17 Jan 2023 17:35

Tgt Ion: 88 Resp: 526  
 Ion Ratio Lower Upper  
 88 100  
 43 34.2 26.2 39.2  
 58 75.9 60.6 90.8

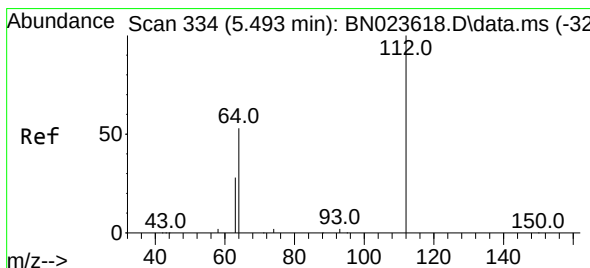
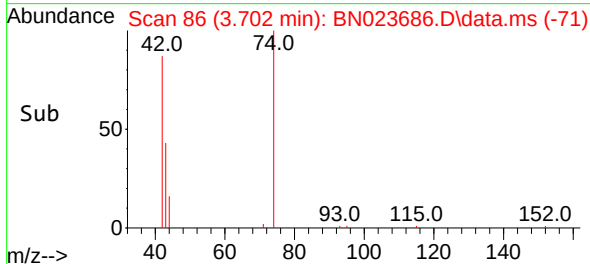
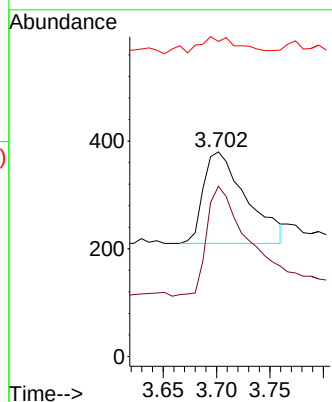
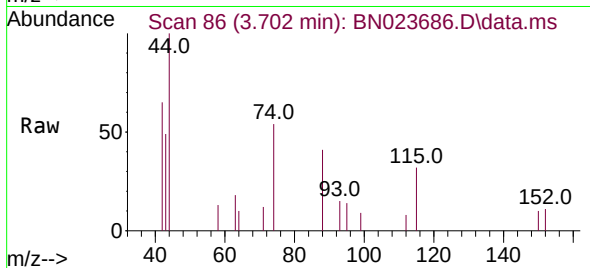




#3  
n-Nitrosodimethylamine  
Concen: 0.087 ng  
RT: 3.702 min Scan# 80  
Delta R.T. 0.007 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

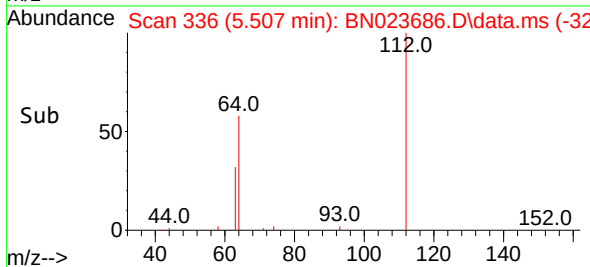
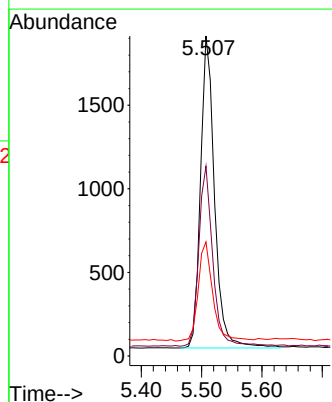
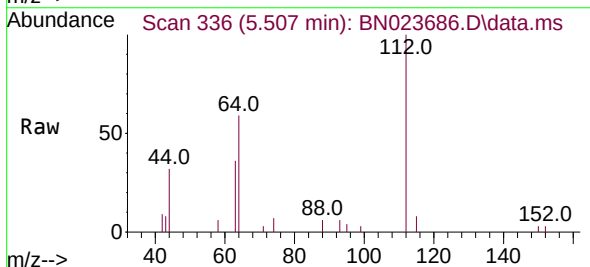
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

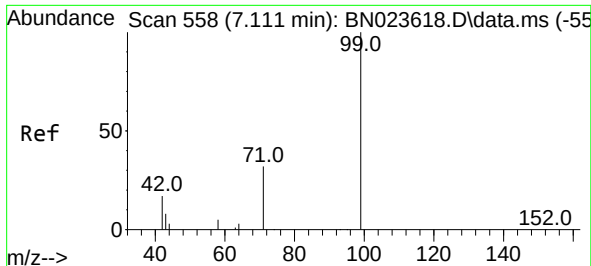
Tgt Ion: 42 Resp: 473  
Ion Ratio Lower Upper  
42 100  
74 118.6 92.1 138.1  
44 15.0 5.4 8.0#



#4  
2-Fluorophenol  
Concen: 0.281 ng  
RT: 5.507 min Scan# 336  
Delta R.T. -0.007 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

Tgt Ion: 112 Resp: 3020  
Ion Ratio Lower Upper  
112 100  
64 57.5 44.9 67.3  
63 33.0 24.9 37.3

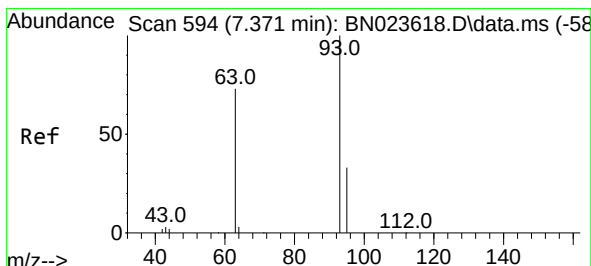
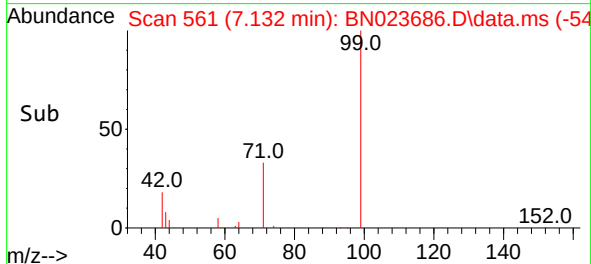
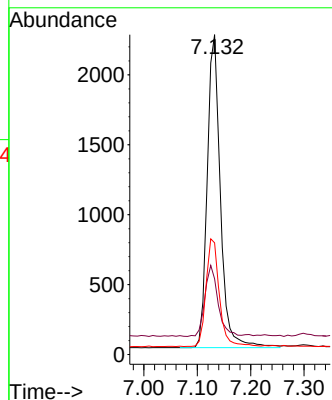
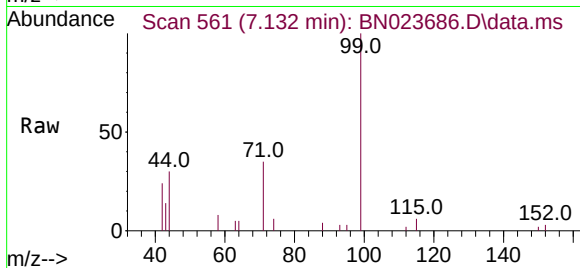




#5  
Phenol-d6  
Concen: 0.277 ng  
RT: 7.132 min Scan# 50  
Delta R.T. -0.007 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

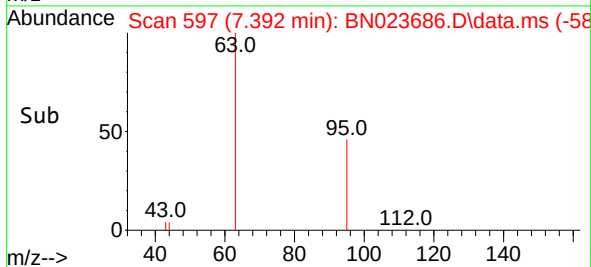
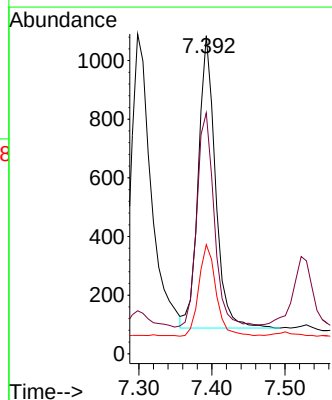
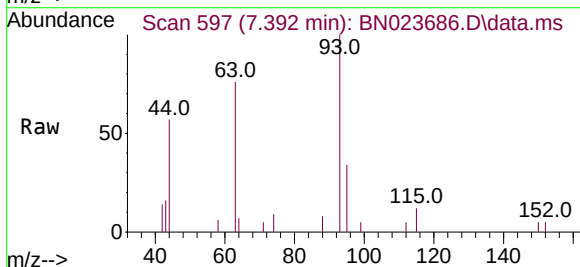
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

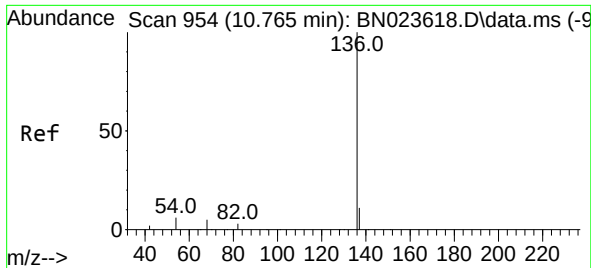
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 3832  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 22.6  | 18.8  | 28.2  |
| 71       | 34.8  | 28.2  | 42.4  |



#6  
bis(2-Chloroethyl)ether  
Concen: 0.111 ng  
RT: 7.392 min Scan# 597  
Delta R.T. -0.007 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 1616  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 75.4  | 59.6  | 89.4  |
| 95       | 31.7  | 25.3  | 37.9  |

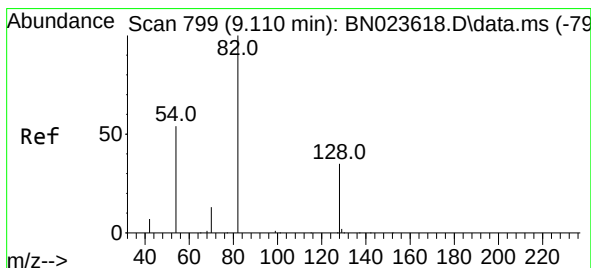
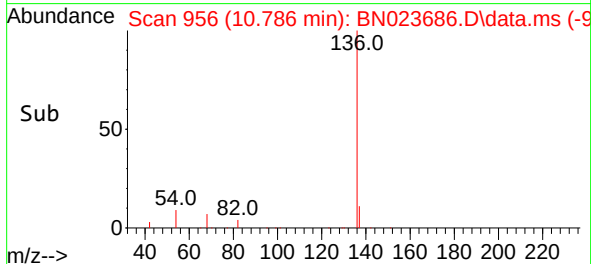
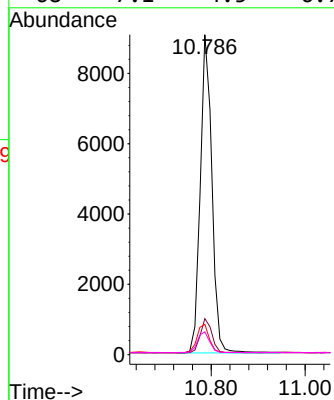
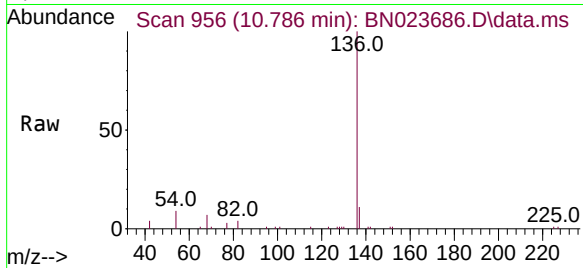




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.786 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

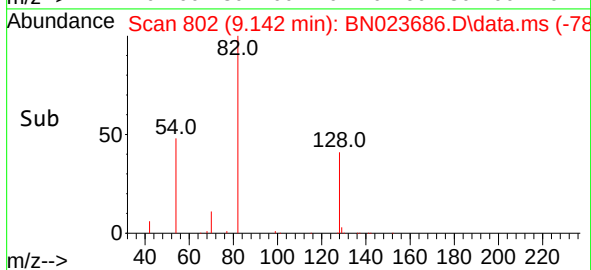
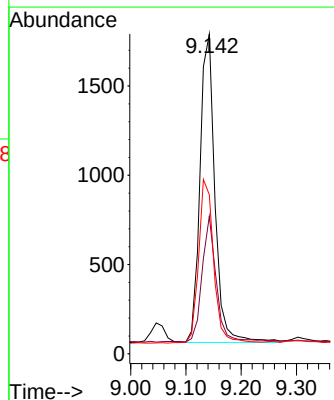
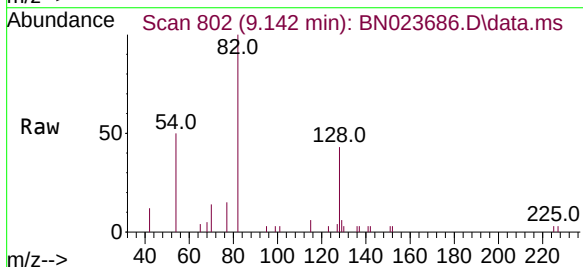
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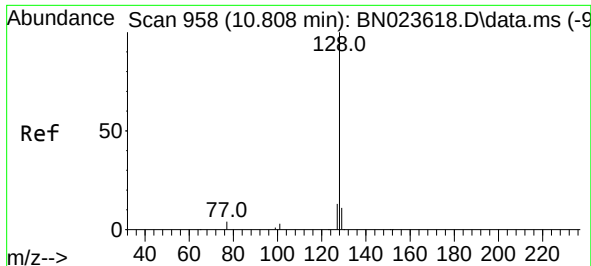
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|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 15518 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.2  | 9.3   | 13.9  |
| 54       | 9.5   | 5.7   | 8.5#  |
| 68       | 7.1   | 4.5   | 6.7#  |



#8  
Nitrobenzene-d5  
Concen: 0.278 ng  
RT: 9.142 min Scan# 802  
Delta R.T. 0.000 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 3246  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 43.0  | 29.8  | 44.8  |
| 54       | 49.7  | 43.9  | 65.9  |

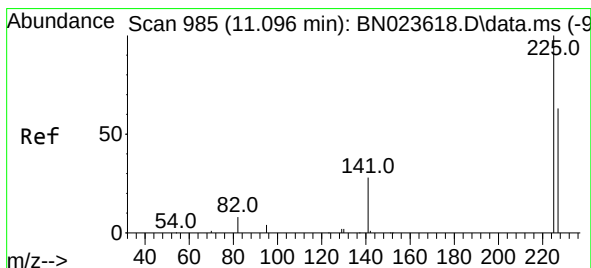
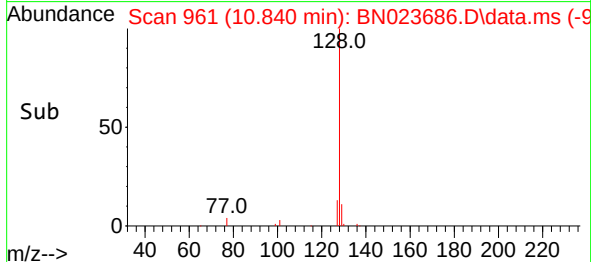
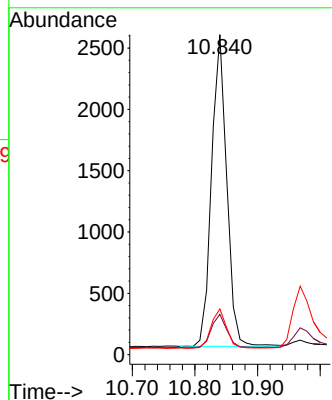
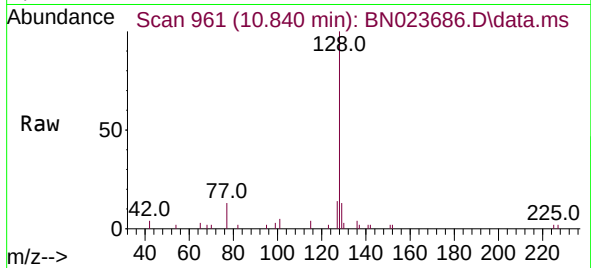




#9  
Naphthalene  
Concen: 0.105 ng  
RT: 10.840 min Scan# 90  
Delta R.T. -0.011 min  
Lab File: BN023686.D  
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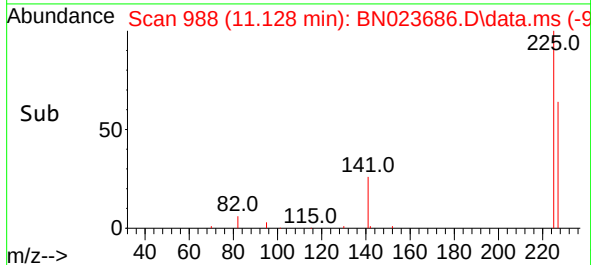
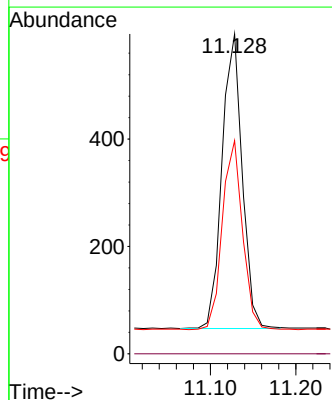
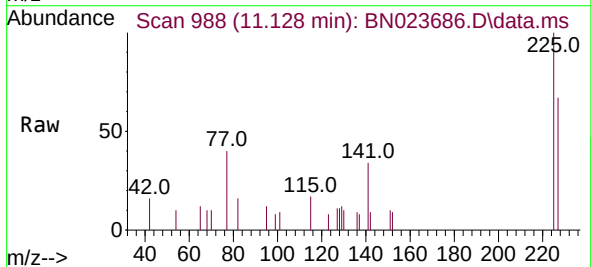
Instrument :  
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LOD-MDL-SOIL-01-QT3-2022

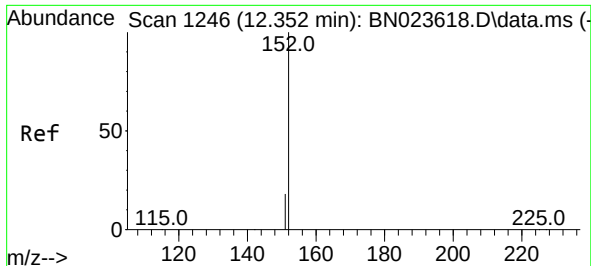
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|-------------|-------|-------------|
| Tgt Ion:128 | Resp: | 4296        |
| Ion         | Ratio | Lower Upper |
| 128         | 100   |             |
| 129         | 12.6  | 9.2 13.8    |
| 127         | 14.3  | 11.0 16.4   |



#10  
Hexachlorobutadiene  
Concen: 0.109 ng  
RT: 11.128 min Scan# 988  
Delta R.T. -0.011 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:225 | Resp: | 907         |
| Ion         | Ratio | Lower Upper |
| 225         | 100   |             |
| 223         | 0.0   | 0.0 0.0     |
| 227         | 63.9  | 51.8 77.6   |

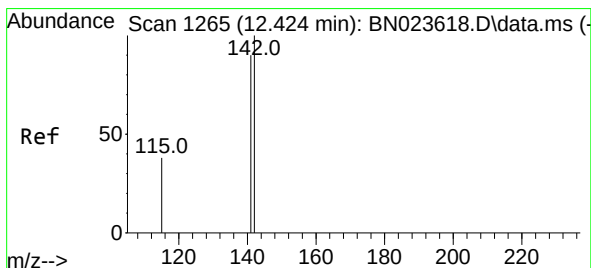
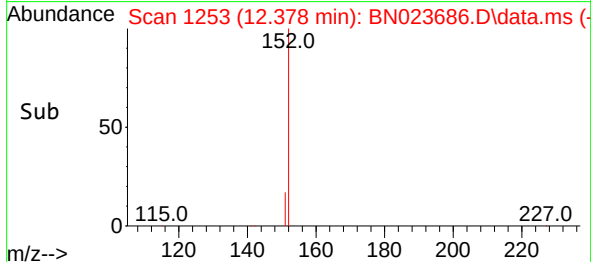
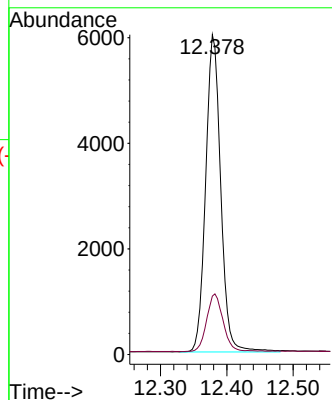
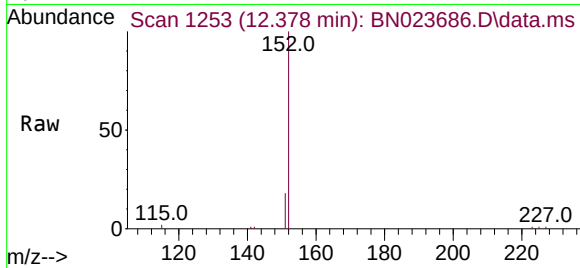




#11  
2-Methylnaphthalene-d10  
Concen: 0.443 ng  
RT: 12.378 min Scan# 11  
Delta R.T. -0.011 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

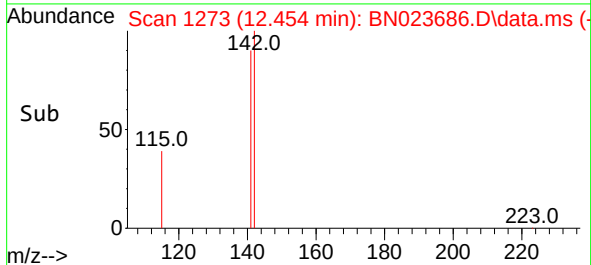
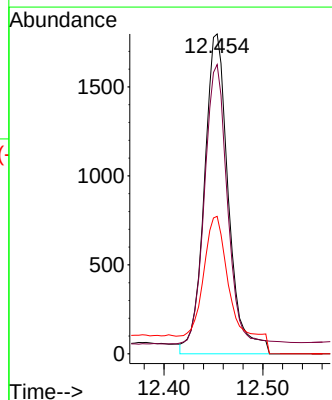
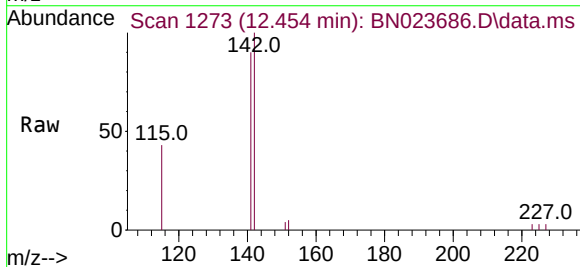
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:152 Resp: 9477  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.9 25.3

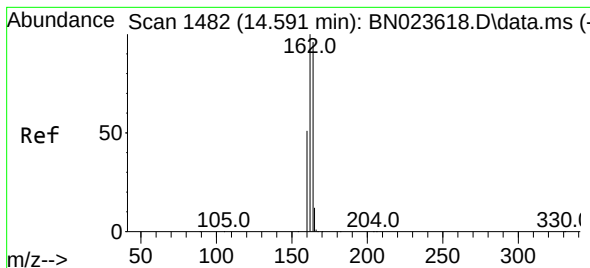


#12  
2-Methylnaphthalene  
Concen: 0.111 ng  
RT: 12.454 min Scan# 1273  
Delta R.T. -0.008 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

Tgt Ion:142 Resp: 3276  
Ion Ratio Lower Upper  
142 100  
141 90.4 72.0 108.0  
115 43.0 31.7 47.5







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.624 min Scan# 1485

Delta R.T. -0.011 min

Lab File: BN023686.D

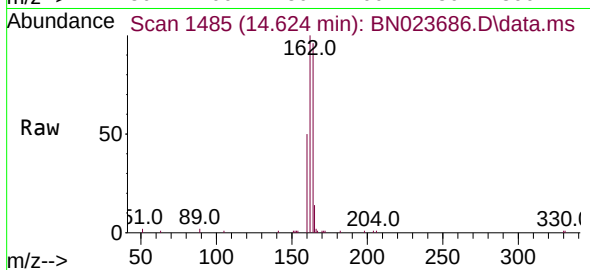
Acq: 17 Jan 2023 17:35

Instrument :

BNA\_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



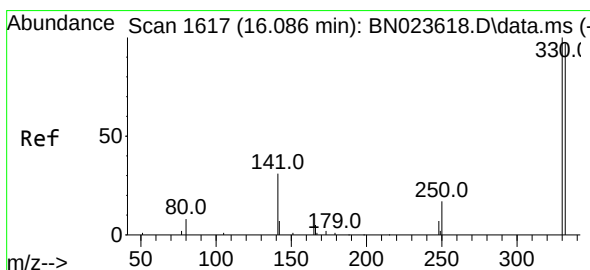
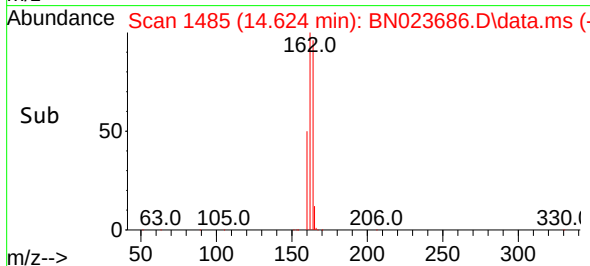
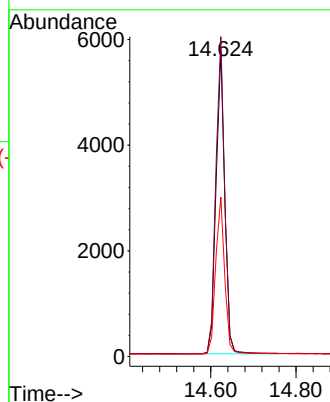
Tgt Ion:164 Resp: 8179

Ion Ratio Lower Upper

164 100

162 104.5 83.4 125.2

160 52.1 42.7 64.1



#14

2,4,6-Tribromophenol

Concen: 0.244 ng

RT: 16.111 min Scan# 1619

Delta R.T. -0.012 min

Lab File: BN023686.D

Acq: 17 Jan 2023 17:35

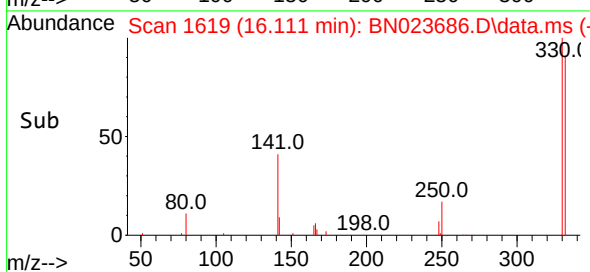
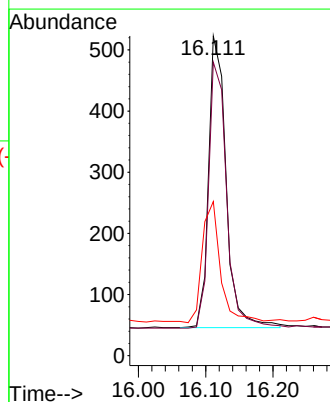
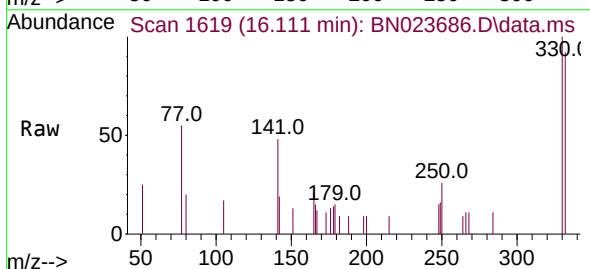
Tgt Ion:330 Resp: 863

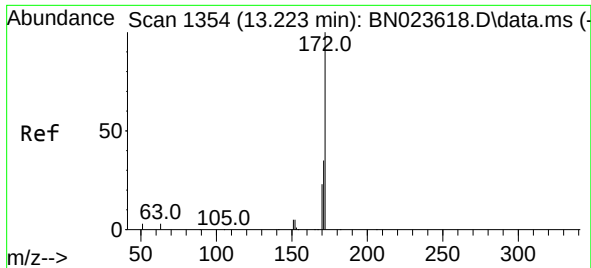
Ion Ratio Lower Upper

330 100

332 93.6 78.1 117.1

141 41.5 33.4 50.0

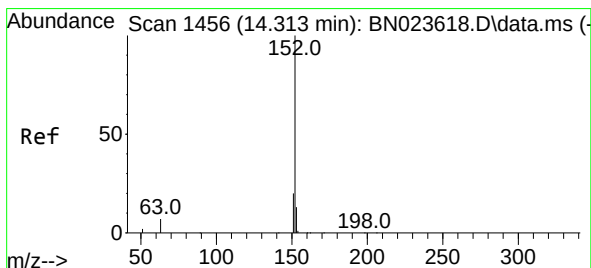
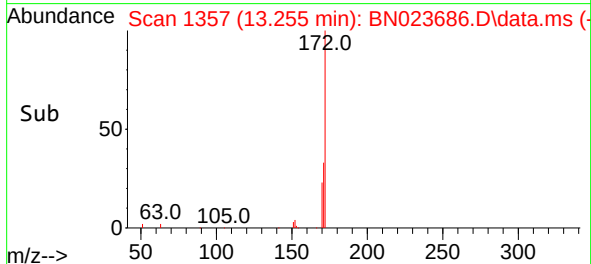
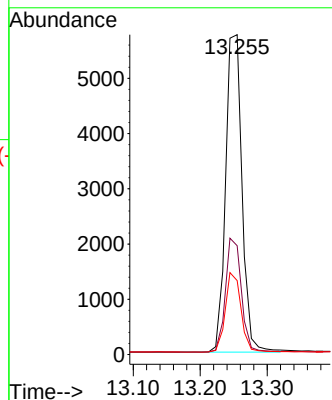
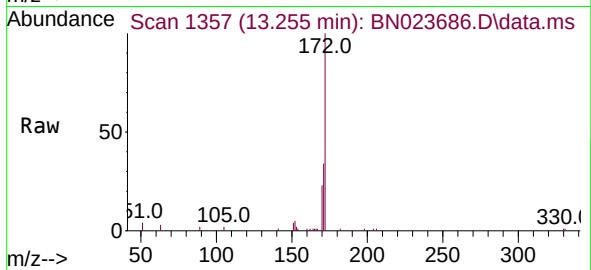




#15  
2-Fluorobiphenyl  
Concen: 0.295 ng  
RT: 13.255 min Scan# 1357  
Delta R.T. 0.000 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

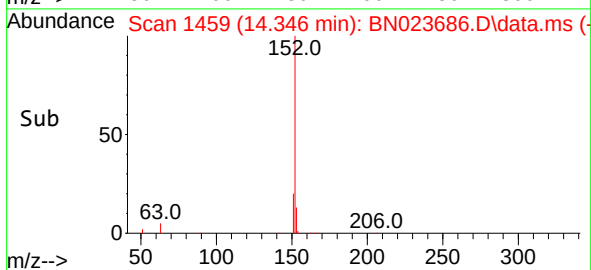
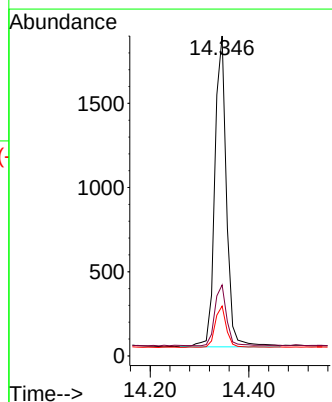
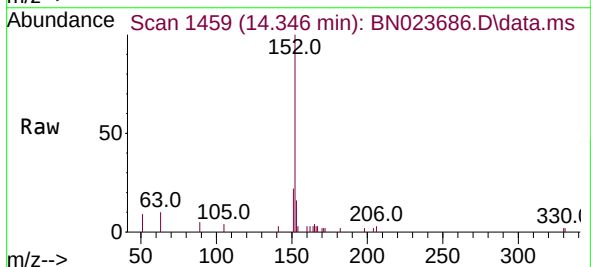
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

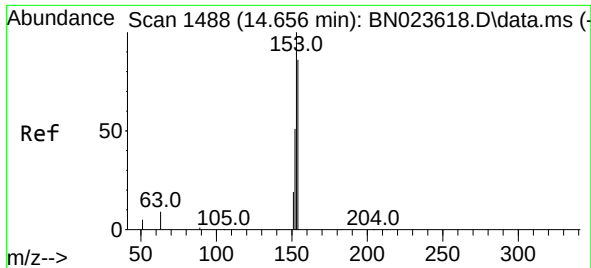
Tgt Ion:172 Resp: 9744  
Ion Ratio Lower Upper  
172 100  
171 34.0 28.0 42.0  
170 23.1 19.0 28.4



#16  
Acenaphthylene  
Concen: 0.092 ng  
RT: 14.346 min Scan# 1459  
Delta R.T. -0.011 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

Tgt Ion:152 Resp: 3031  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.6 23.4  
153 13.0 10.5 15.7

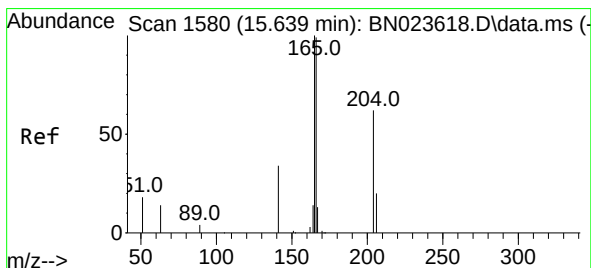
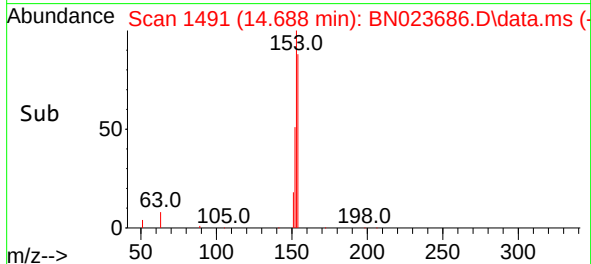
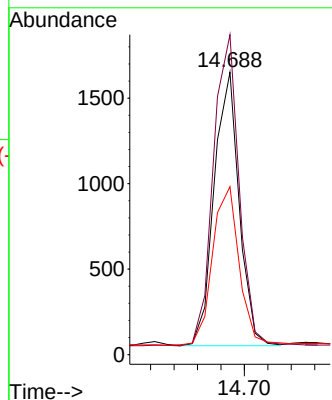
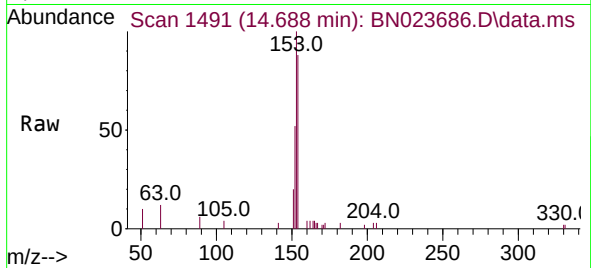




#17  
Acenaphthene  
Concen: 0.098 ng  
RT: 14.688 min Scan# 1488  
Delta R.T. -0.011 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

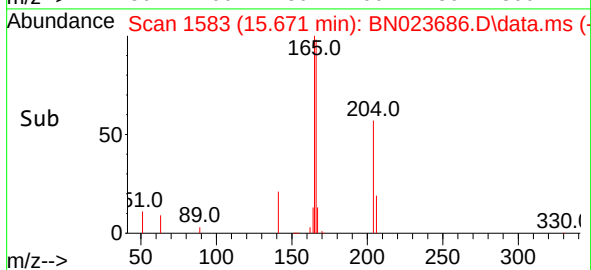
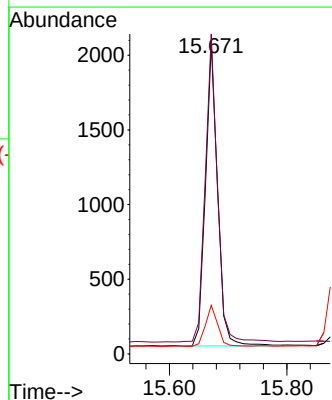
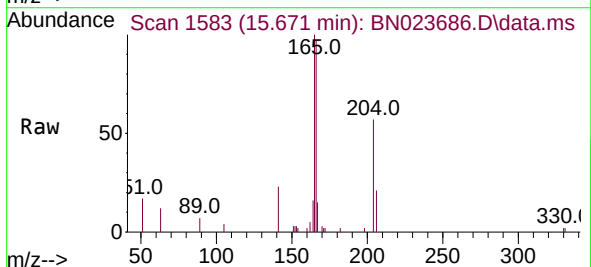
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

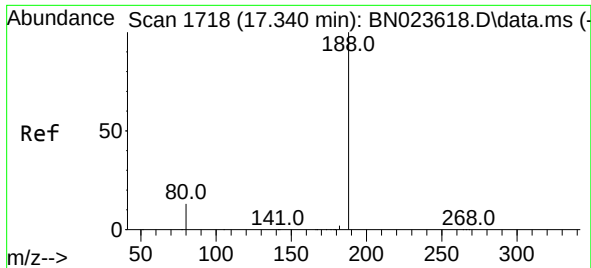
Tgt Ion:154 Resp: 2371  
Ion Ratio Lower Upper  
154 100  
153 117.8 92.4 138.6  
152 63.0 48.2 72.2



#18  
Fluorene  
Concen: 0.096 ng  
RT: 15.671 min Scan# 1583  
Delta R.T. -0.011 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

Tgt Ion:166 Resp: 3112  
Ion Ratio Lower Upper  
166 100  
165 100.1 80.4 120.6  
167 13.3 10.6 16.0

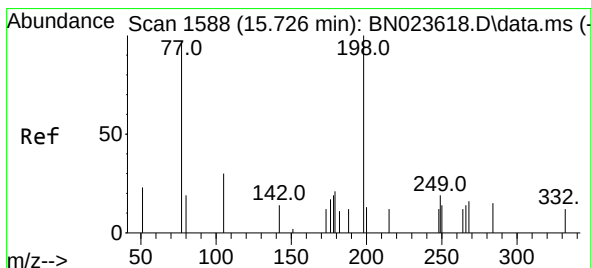
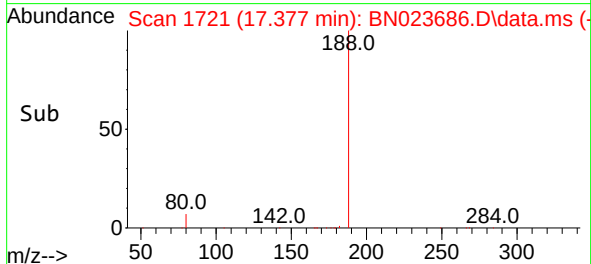
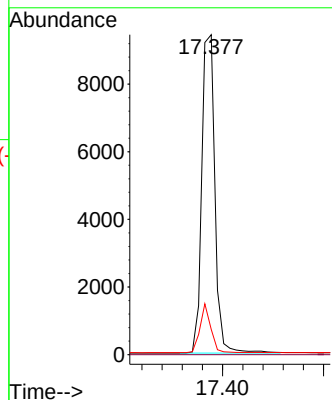
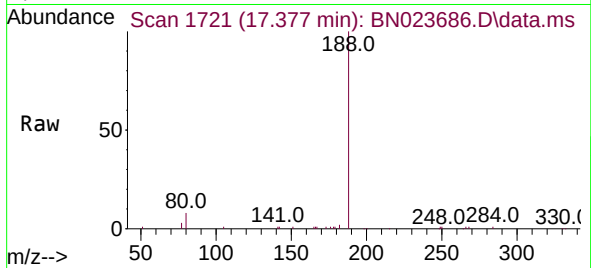




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.377 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

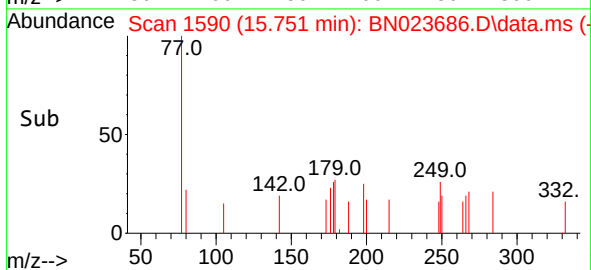
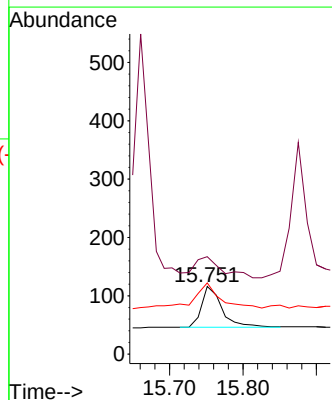
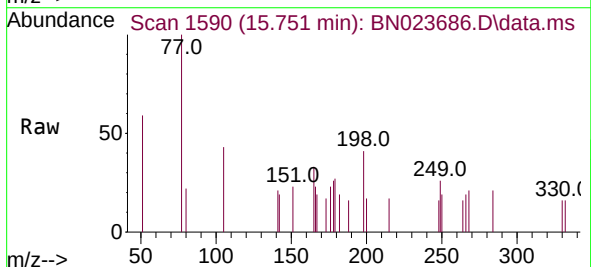
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

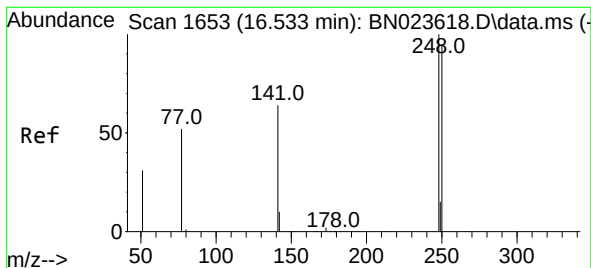
Tgt Ion:188 Resp: 16907  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 7.9 11.0 16.4#



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.074 ng  
RT: 15.751 min Scan# 1590  
Delta R.T. -0.012 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

Tgt Ion:198 Resp: 136  
Ion Ratio Lower Upper  
198 100  
51 144.0 44.9 67.3#  
105 105.2 37.0 55.4#

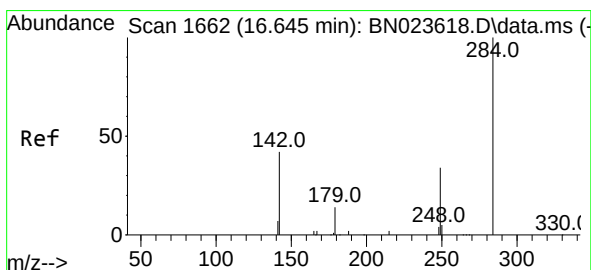
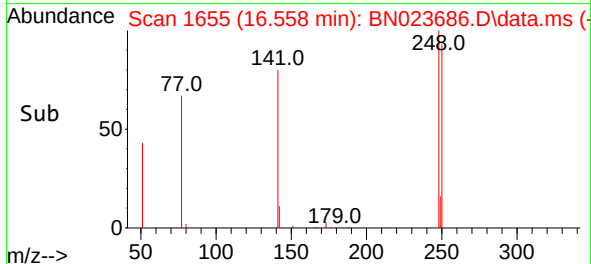
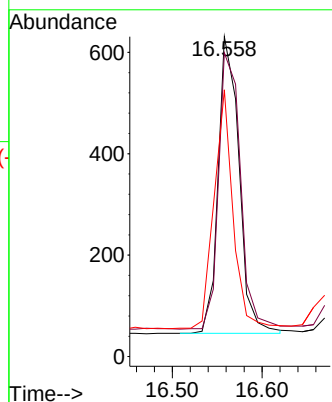
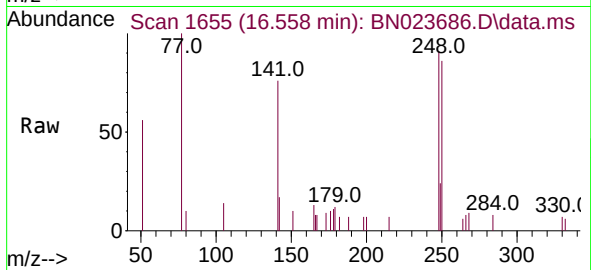




#21  
4-Bromophenyl-phenylether  
Concen: 0.098 ng  
RT: 16.558 min Scan# 1655  
Delta R.T. -0.012 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

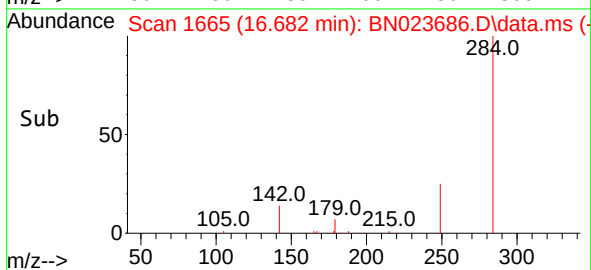
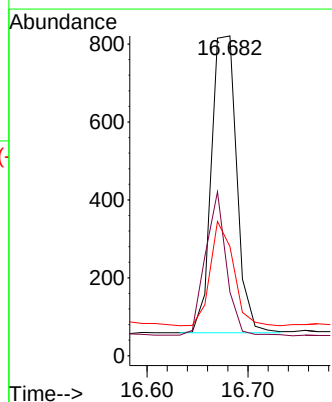
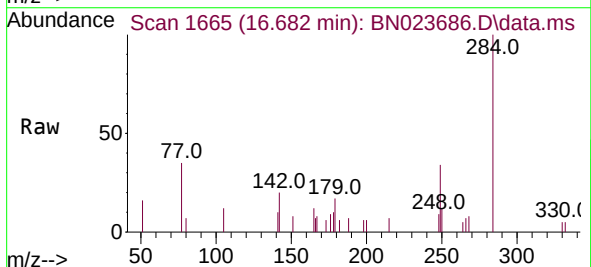
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

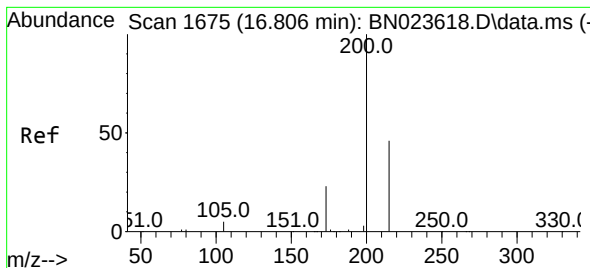
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 248   | Resp: | 945   |
| Ion      | Ratio | Lower | Upper |
| 248      | 100   |       |       |
| 250      | 94.9  | 76.6  | 114.8 |
| 141      | 83.4  | 52.3  | 78.5  |



#22  
Hexachlorobenzene  
Concen: 0.110 ng  
RT: 16.682 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 284   | Resp: | 1329  |
| Ion      | Ratio | Lower | Upper |
| 284      | 100   |       |       |
| 142      | 39.7  | 31.4  | 47.2  |
| 249      | 32.1  | 24.9  | 37.3  |





#23

Atrazine

Concen: 0.096 ng

RT: 16.831 min Scan# 1677

Delta R.T. -0.012 min

Lab File: BN023686.D

Acq: 17 Jan 2023 17:35

Instrument :

BNA\_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

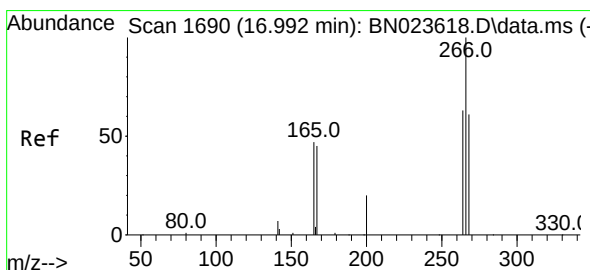
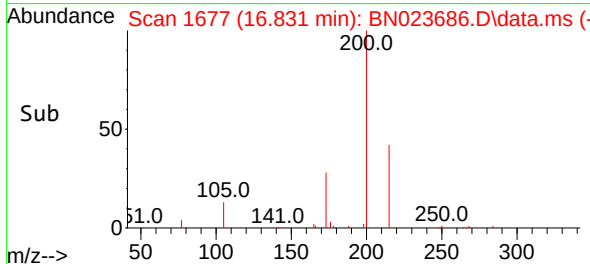
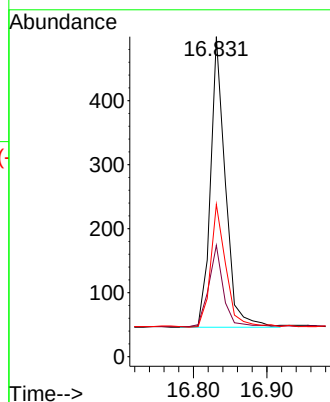
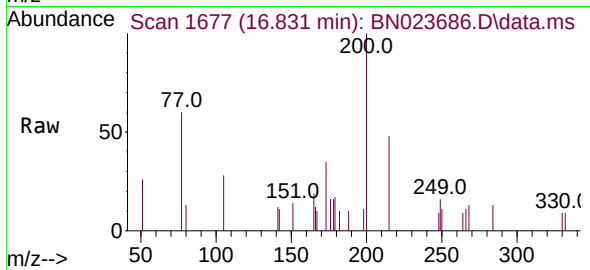
Tgt Ion:200 Resp: 640

Ion Ratio Lower Upper

200 100

173 34.8 20.4 30.6#

215 47.6 38.1 57.1



#24

Pentachlorophenol

Concen: 0.085 ng

RT: 17.030 min Scan# 1693

Delta R.T. 0.000 min

Lab File: BN023686.D

Acq: 17 Jan 2023 17:35

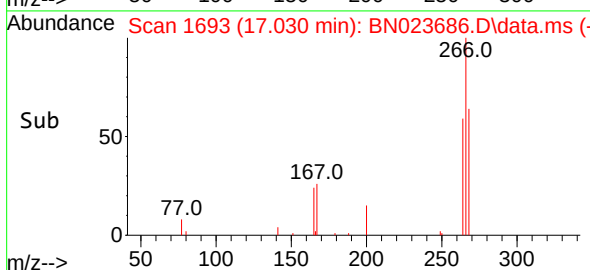
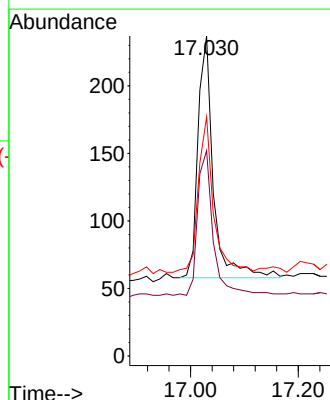
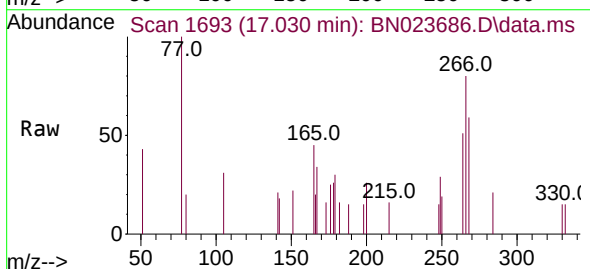
Tgt Ion:266 Resp: 353

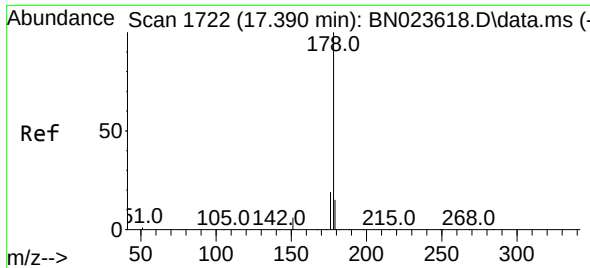
Ion Ratio Lower Upper

266 100

264 60.9 49.7 74.5

268 63.2 49.3 73.9

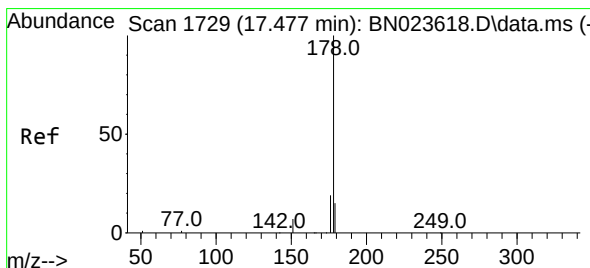
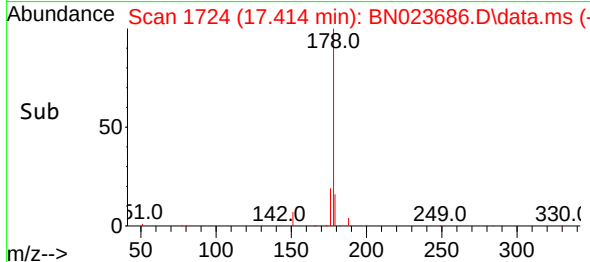
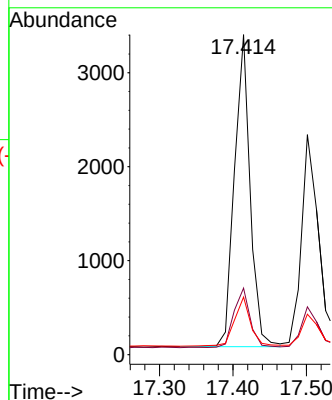
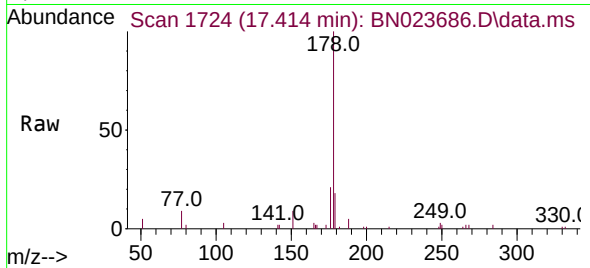




#25  
Phenanthrene  
Concen: 0.099 ng  
RT: 17.414 min Scan# 1731  
Delta R.T. -0.012 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

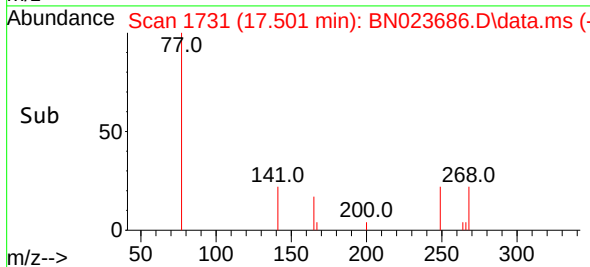
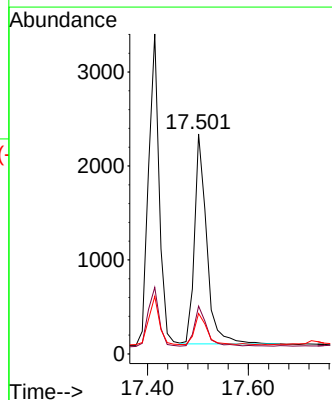
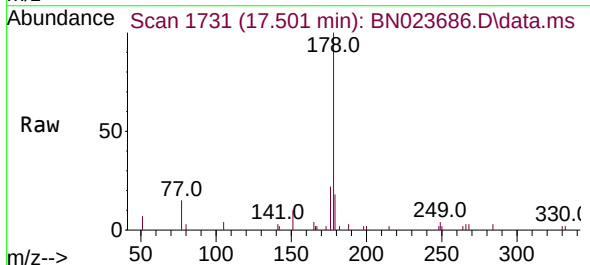
Instrument : BNA\_N  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

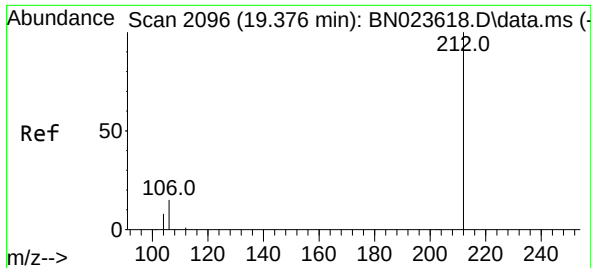
Tgt Ion:178 Resp: 4923  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.9 23.9  
179 16.2 12.5 18.7



#26  
Anthracene  
Concen: 0.095 ng  
RT: 17.501 min Scan# 1731  
Delta R.T. -0.012 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

Tgt Ion:178 Resp: 3757  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.1 22.7  
179 14.5 12.2 18.2

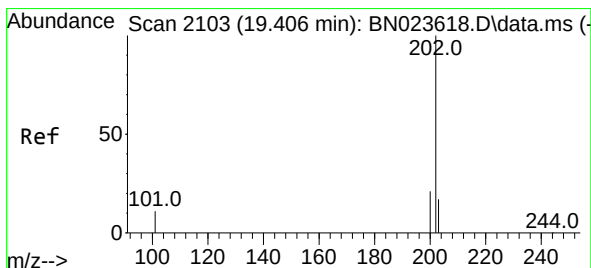
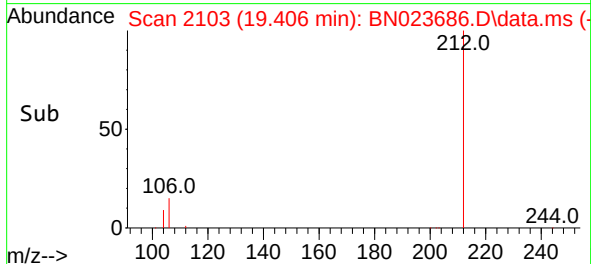
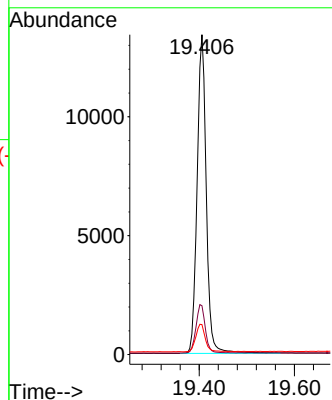
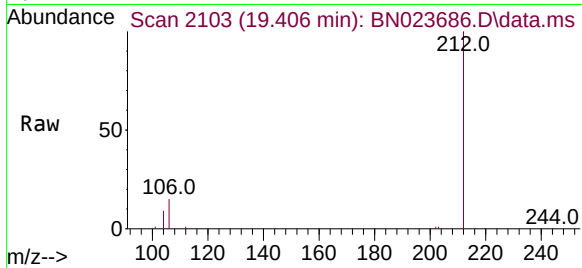




#27  
Fluoranthene-d10  
Concen: 0.433 ng  
RT: 19.406 min Scan# 2110  
Delta R.T. -0.008 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

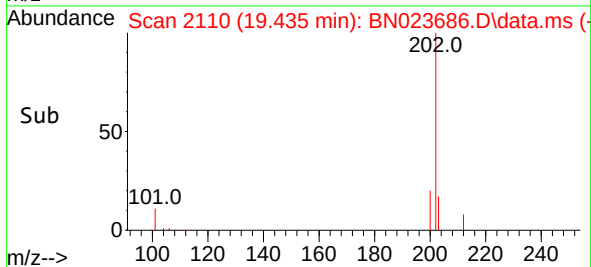
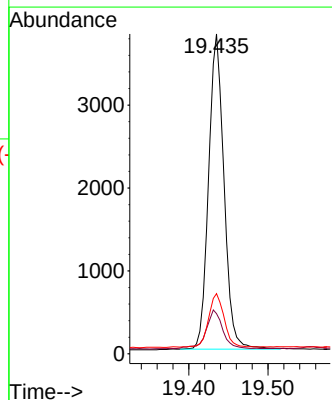
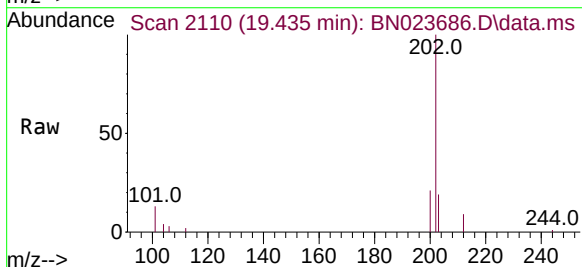
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:212 Resp: 17914  
Ion Ratio Lower Upper  
212 100  
106 15.5 12.2 18.4  
104 8.9 7.1 10.7

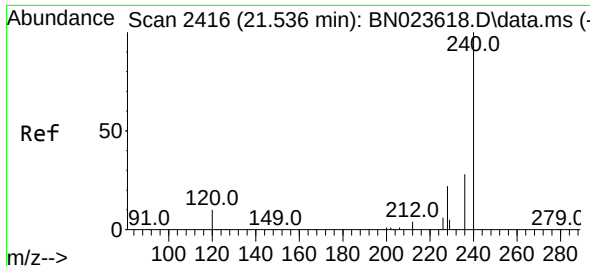


#28  
Fluoranthene  
Concen: 0.092 ng  
RT: 19.435 min Scan# 2110  
Delta R.T. -0.008 min  
Lab File: BN023686.D  
Acq: 17 Jan 2023 17:35

Tgt Ion:202 Resp: 5143  
Ion Ratio Lower Upper  
202 100  
101 13.8 9.7 14.5  
203 17.1 13.8 20.6







#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.562 min Scan# 2416

Delta R.T. -0.013 min

Lab File: BN023686.D

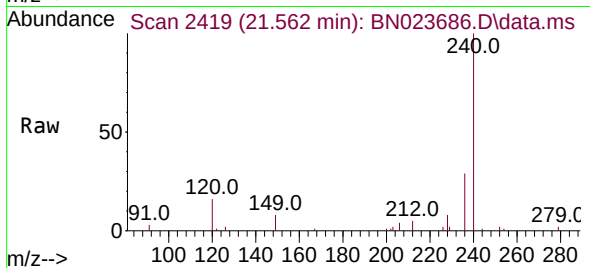
Acq: 17 Jan 2023 17:35

Instrument :

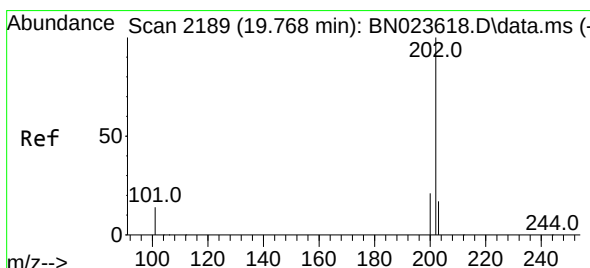
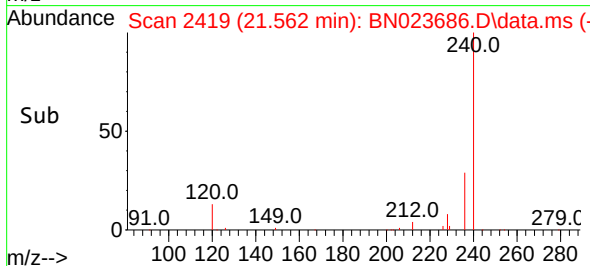
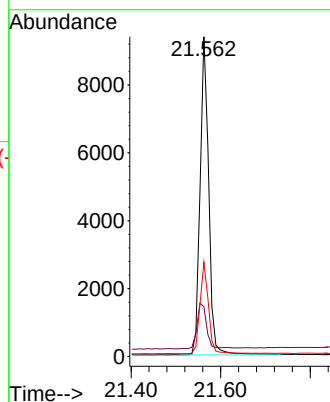
BNA\_N

ClientSampleId :

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|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:240 | Resp: | 12536     |
| Ion Ratio   | Lower | Upper     |
| 240         | 100   |           |
| 120         | 15.6  | 10.6 15.8 |
| 236         | 29.5  | 23.0 34.6 |



#30

Pyrene

Concen: 0.104 ng

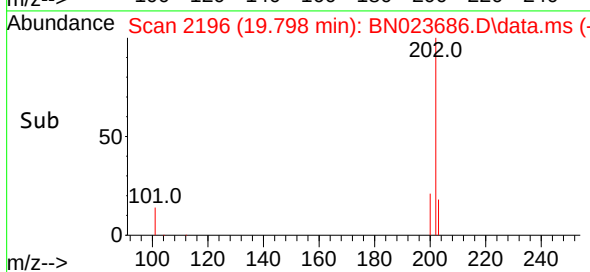
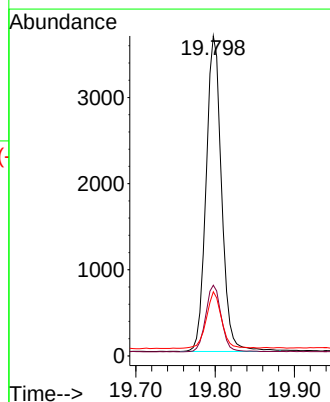
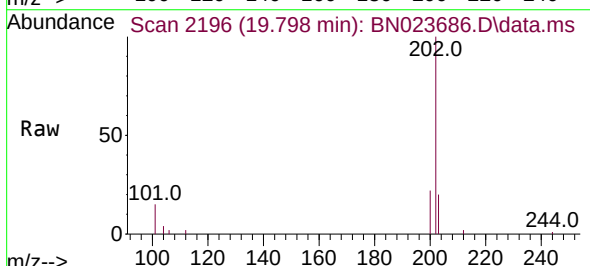
RT: 19.798 min Scan# 2196

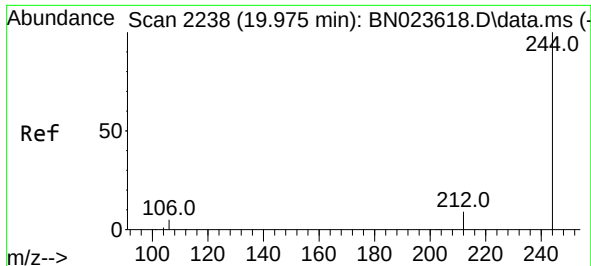
Delta R.T. -0.008 min

Lab File: BN023686.D

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|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 4981      |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 200         | 21.1  | 17.0 25.4 |
| 203         | 17.9  | 14.2 21.2 |

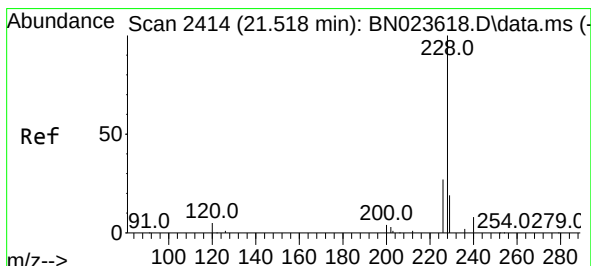
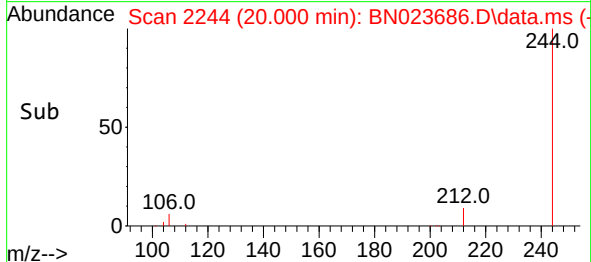
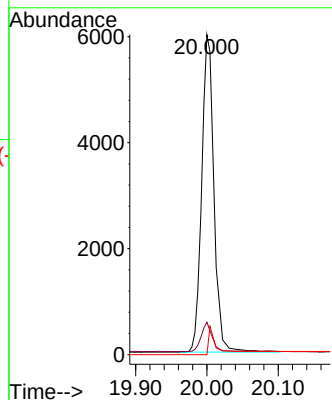
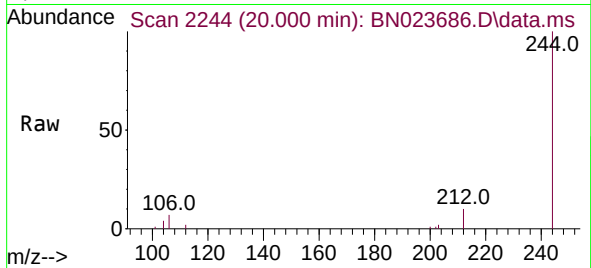




#31  
 Terphenyl-d14  
 Concen: 0.287 ng  
 RT: 20.000 min Scan# 21  
 Delta R.T. -0.008 min  
 Lab File: BN023686.D  
 Acq: 17 Jan 2023 17:35

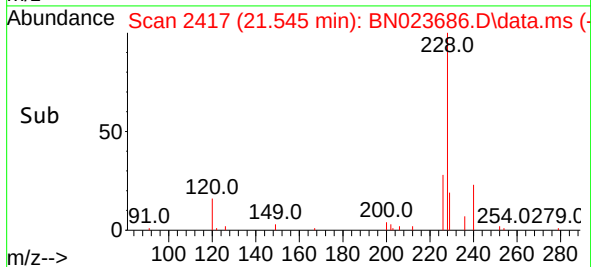
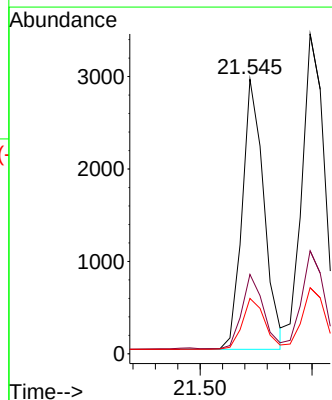
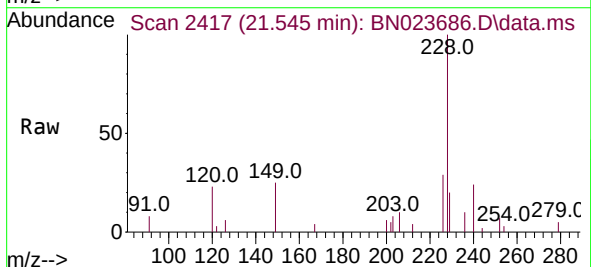
Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022

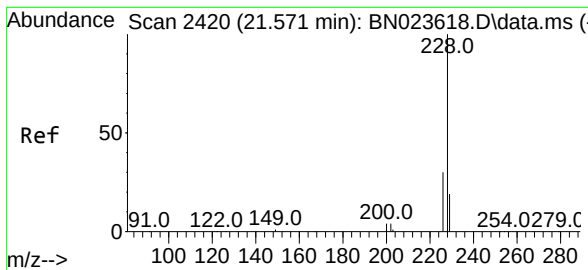
Tgt Ion:244 Resp: 9122  
 Ion Ratio Lower Upper  
 244 100  
 212 10.1 7.5 11.3  
 122 0.0 0.0 0.0



#32  
 Benzo(a)anthracene  
 Concen: 0.097 ng  
 RT: 21.545 min Scan# 2417  
 Delta R.T. -0.013 min  
 Lab File: BN023686.D  
 Acq: 17 Jan 2023 17:35

Tgt Ion:228 Resp: 3947  
 Ion Ratio Lower Upper  
 228 100  
 226 28.9 22.2 33.2  
 229 20.2 15.7 23.5





#33

Chrysene

Concen: 0.108 ng

RT: 21.598 min Scan# 2420

Delta R.T. -0.013 min

Lab File: BN023686.D

Acq: 17 Jan 2023 17:35

Instrument :

BNA\_N

ClientSampleId :

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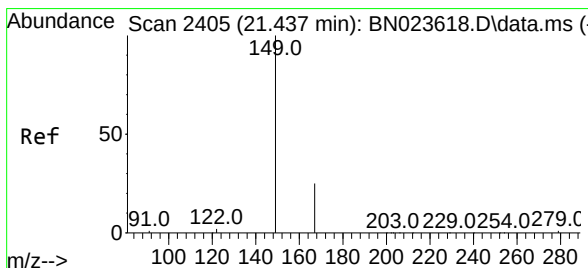
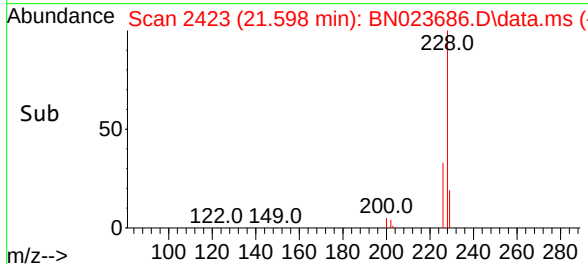
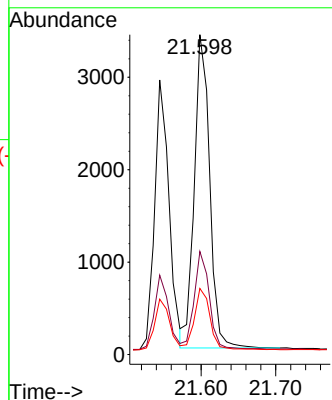
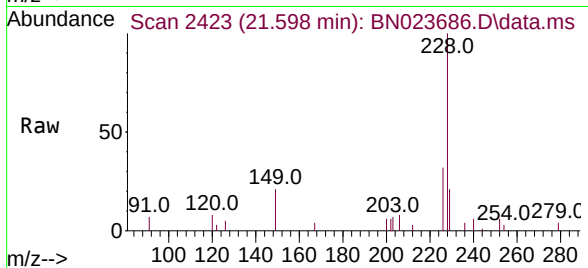
Tgt Ion:228 Resp: 4830

Ion Ratio Lower Upper

228 100

226 32.2 24.4 36.6

229 20.7 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.124 ng

RT: 21.473 min Scan# 2409

Delta R.T. -0.004 min

Lab File: BN023686.D

Acq: 17 Jan 2023 17:35

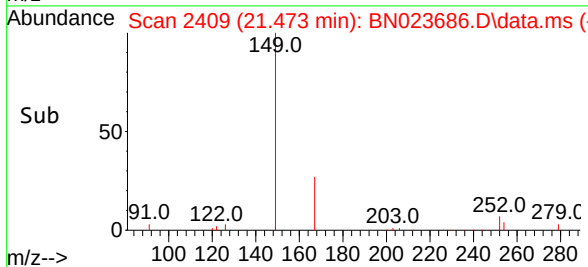
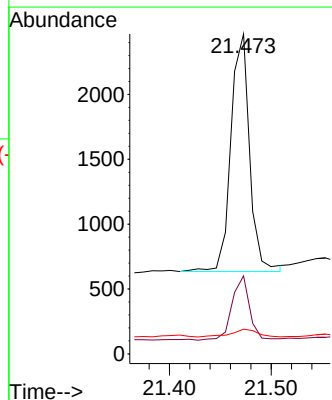
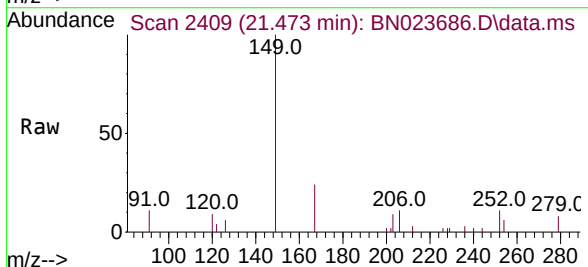
Tgt Ion:149 Resp: 2355

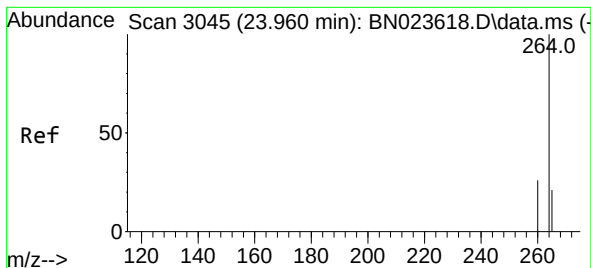
Ion Ratio Lower Upper

149 100

167 25.4 20.6 30.8

279 4.6 2.6 4.0#





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.015 min Scan# 3045

Delta R.T. -0.019 min

Lab File: BN023686.D

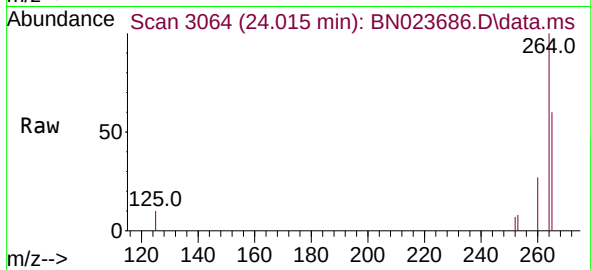
Acq: 17 Jan 2023 17:35

Instrument :

BNA\_N

ClientSampleId :

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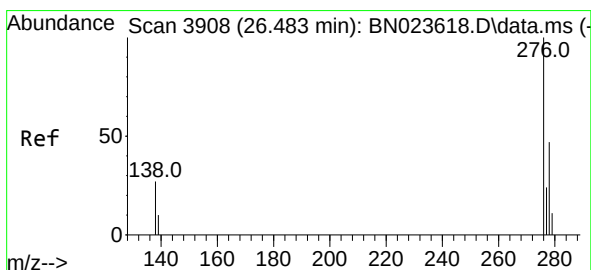
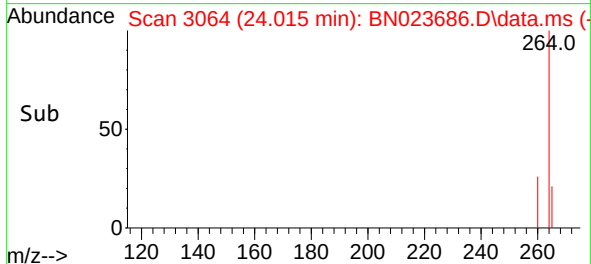
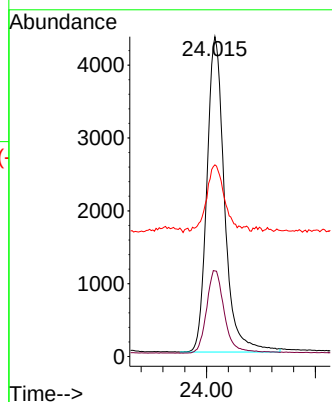
Tgt Ion:264 Resp: 9762

Ion Ratio Lower Upper

264 100

260 26.8 21.4 32.2

265 59.9 56.6 85.0



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.102 ng

RT: 26.585 min Scan# 3943

Delta R.T. -0.025 min

Lab File: BN023686.D

Acq: 17 Jan 2023 17:35

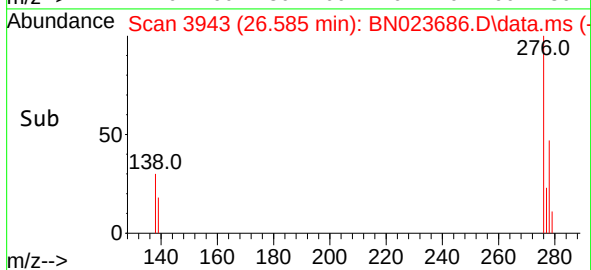
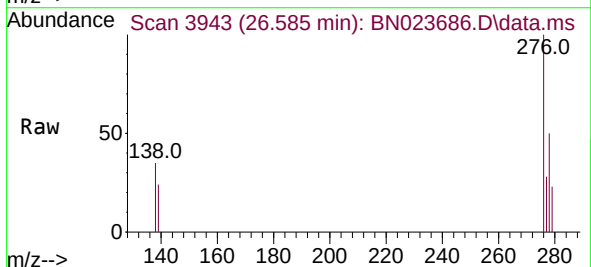
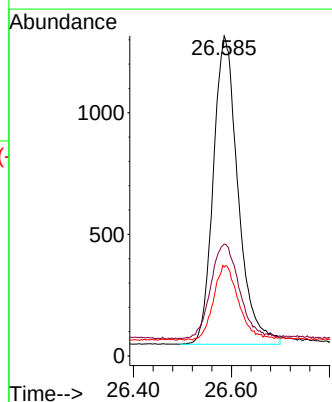
Tgt Ion:276 Resp: 4450

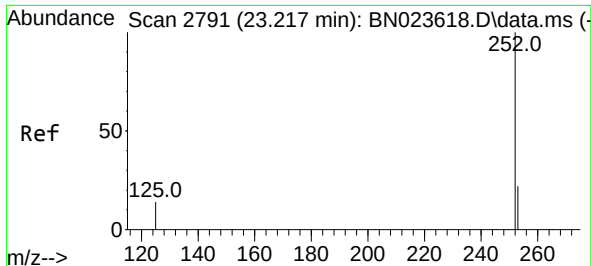
Ion Ratio Lower Upper

276 100

138 35.5 23.8 35.8

277 24.6 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.114 ng

RT: 23.264 min Scan# 2807

Delta R.T. -0.013 min

Lab File: BN023686.D

Acq: 17 Jan 2023 17:35

Instrument :

BNA\_N

ClientSampleId :

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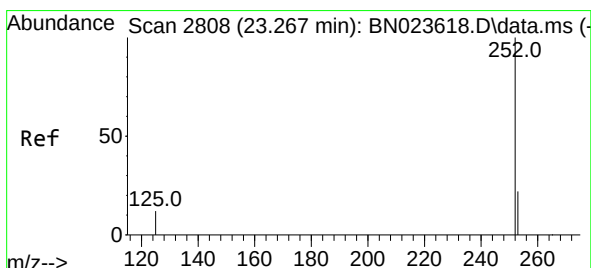
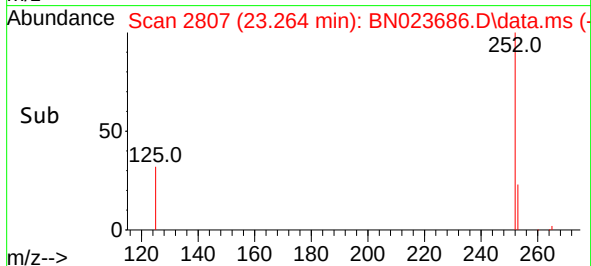
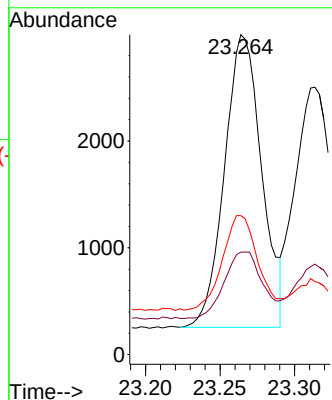
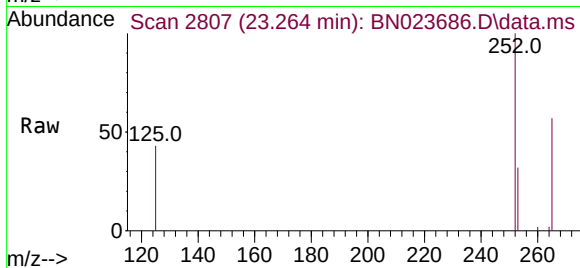
Tgt Ion:252 Resp: 4752

Ion Ratio Lower Upper

252 100

253 32.0 20.0 30.0#

125 43.4 14.4 21.6#



#38

Benzo(k)fluoranthene

Concen: 0.103 ng

RT: 23.314 min Scan# 2824

Delta R.T. -0.013 min

Lab File: BN023686.D

Acq: 17 Jan 2023 17:35

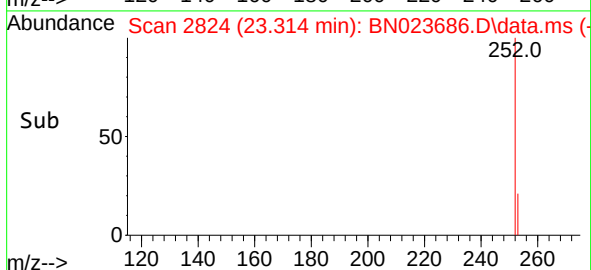
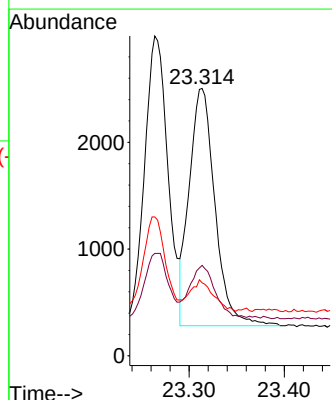
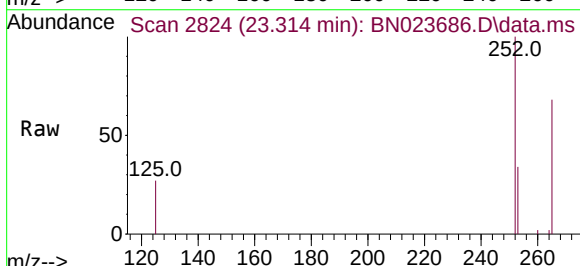
Tgt Ion:252 Resp: 4177

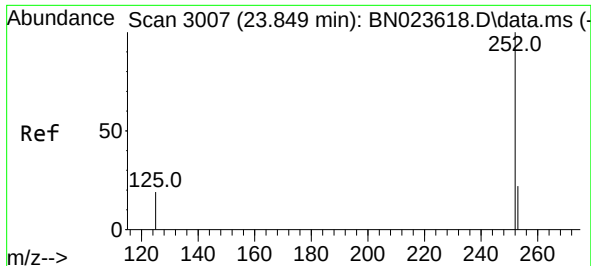
Ion Ratio Lower Upper

252 100

253 33.8 20.2 30.2#

125 27.3 13.0 19.4#





#39

Benzo(a)pyrene

Concen: 0.126 ng

RT: 23.907 min Scan# 30

Delta R.T. -0.016 min

Lab File: BN023686.D

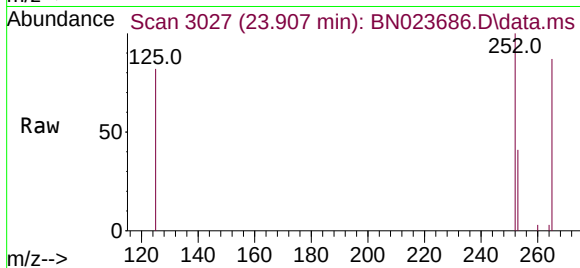
Acq: 17 Jan 2023 17:35

Instrument :

BNA\_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



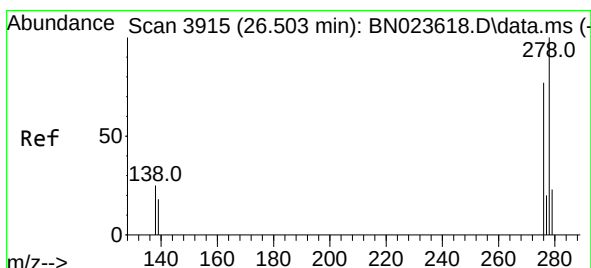
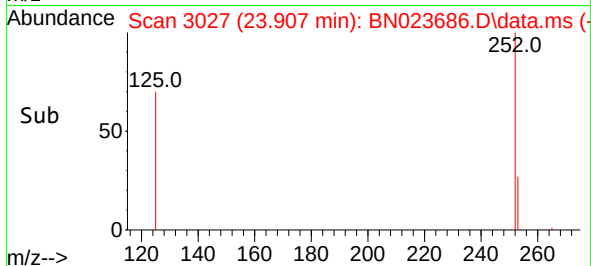
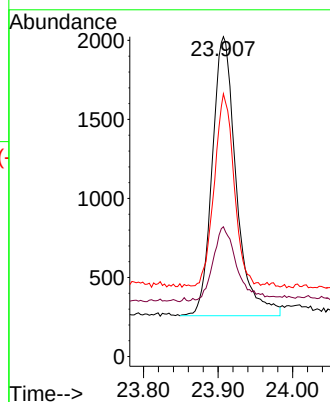
Tgt Ion:252 Resp: 3953

Ion Ratio Lower Upper

252 100

253 40.6 22.3 33.5#

125 82.1 21.2 31.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.100 ng

RT: 26.606 min Scan# 3950

Delta R.T. -0.028 min

Lab File: BN023686.D

Acq: 17 Jan 2023 17:35

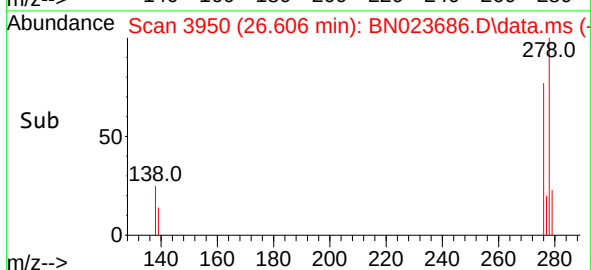
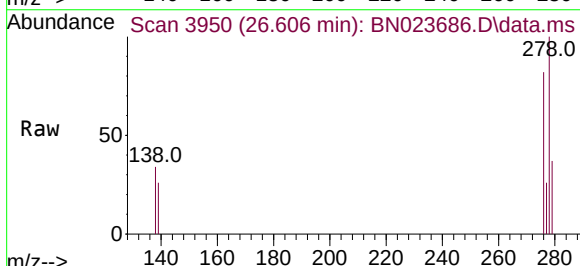
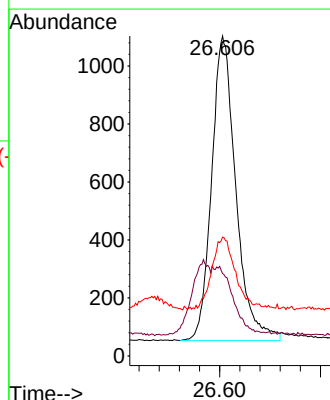
Tgt Ion:278 Resp: 3502

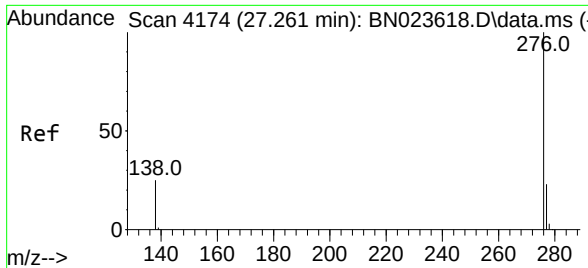
Ion Ratio Lower Upper

278 100

139 25.7 16.8 25.2#

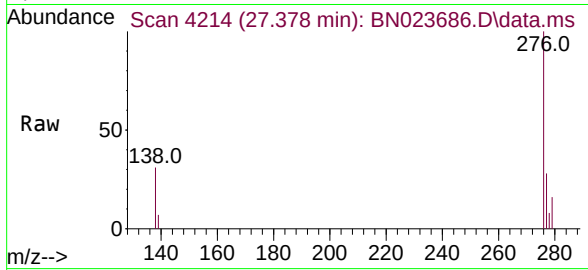
279 37.1 21.5 32.3#





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.098 ng  
 RT: 27.378 min Scan# 41  
 Delta R.T. -0.028 min  
 Lab File: BN023686.D  
 Acq: 17 Jan 2023 17:35

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 276 Resp: 3501

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 28.1  | 19.6  | 29.4  |
| 138 | 31.1  | 21.5  | 32.3  |

