

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031722\  
 Data File : BN018998.D  
 Acq On : 17 Mar 2022 17:18  
 Operator : CG/JU  
 Sample : N1645-01  
 Misc : LOD-MDL-SOIL 0.2ng  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2022

Quant Time: Mar 17 17:50:33 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN031722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 17 17:08:56 2022  
 Response via : Initial Calibration

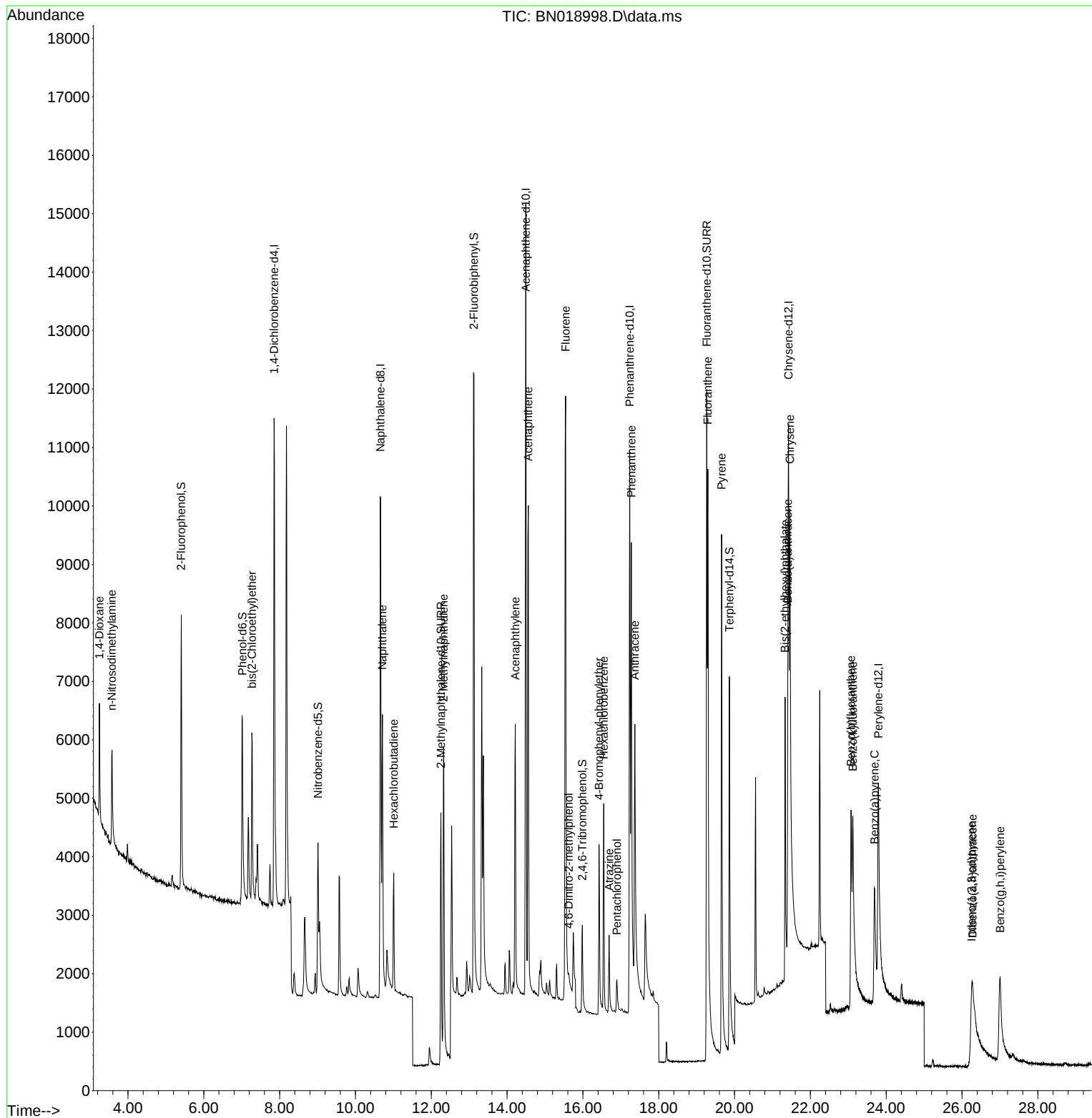
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.854  | 152  | 4618     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.658 | 136  | 12546    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.495 | 164  | 8164     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.236 | 188  | 17217    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.422 | 240  | 11589    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.793 | 264  | 8160     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.406  | 112  | 3930     | 0.380 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.017  | 99   | 3764     | 0.347 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.014  | 82   | 2943     | 0.325 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.253 | 152  | 6996     | 0.336 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.985 | 330  | 1143     | 0.290 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.127 | 172  | 11601    | 0.354 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.265 | 212  | 17611    | 0.345 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.864 | 244  | 10779    | 0.379 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.247  | 88   | 1245     | 0.218 | ng    | 93       |
| 3) n-Nitrosodimethylamine     | 3.572  | 42   | 1207     | 0.181 | ng    | # 94     |
| 6) bis(2-Chloroethyl)ether    | 7.269  | 93   | 2402     | 0.186 | ng    | 98       |
| 9) Naphthalene                | 10.712 | 128  | 6786     | 0.190 | ng    | 98       |
| 10) Hexachlorobutadiene       | 11.011 | 225  | 1648     | 0.189 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.325 | 142  | 4633     | 0.191 | ng    | 99       |
| 16) Acenaphthylene            | 14.217 | 152  | 6244     | 0.165 | ng    | 99       |
| 17) Acenaphthene              | 14.559 | 154  | 4786     | 0.180 | ng    | 100      |
| 18) Fluorene                  | 15.543 | 166  | 5822     | 0.174 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.628 | 198  | 224      | 0.105 | ng    | # 6      |
| 21) 4-Bromophenyl-phenylether | 16.426 | 248  | 1717     | 0.158 | ng    | # 81     |
| 22) Hexachlorobenzene         | 16.549 | 284  | 2614     | 0.187 | ng    | 99       |
| 23) Atrazine                  | 16.692 | 200  | 1293     | 0.159 | ng    | 98       |
| 24) Pentachlorophenol         | 16.897 | 266  | 471      | 0.110 | ng    | 98       |
| 25) Phenanthrene              | 17.277 | 178  | 9202     | 0.171 | ng    | 99       |
| 26) Anthracene                | 17.369 | 178  | 7074     | 0.155 | ng    | 100      |
| 28) Fluoranthene              | 19.295 | 202  | 11132    | 0.176 | ng    | 99       |
| 30) Pyrene                    | 19.657 | 202  | 11161    | 0.193 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.404 | 228  | 5201     | 0.146 | ng    | 97       |
| 33) Chrysene                  | 21.458 | 228  | 9040     | 0.188 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.333 | 149  | 4031     | 0.170 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.255 | 276  | 3999     | 0.136 | ng    | # 76     |
| 37) Benzo(b)fluoranthene      | 23.071 | 252  | 5280     | 0.177 | ng    | # 81     |
| 38) Benzo(k)fluoranthene      | 23.118 | 252  | 7477     | 0.183 | ng    | # 86     |
| 39) Benzo(a)pyrene            | 23.694 | 252  | 5444     | 0.201 | ng    | # 64     |
| 40) Dibenzo(a,h)anthracene    | 26.276 | 278  | 816      | 0.036 | ng    | # 63     |
| 41) Benzo(g,h,i)perylene      | 27.006 | 276  | 5226     | 0.181 | ng    | 93       |
| -----                         |        |      |          |       |       |          |

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

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 LOD-MDL-SOIL-01-QT1-2022

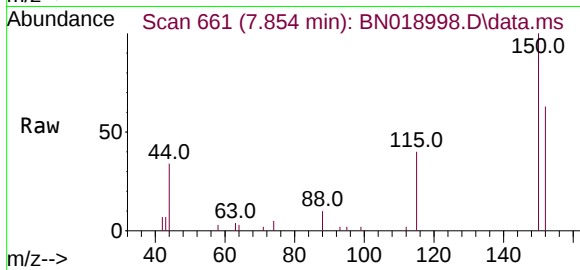
Quant Time: Mar 17 17:50:33 2022  
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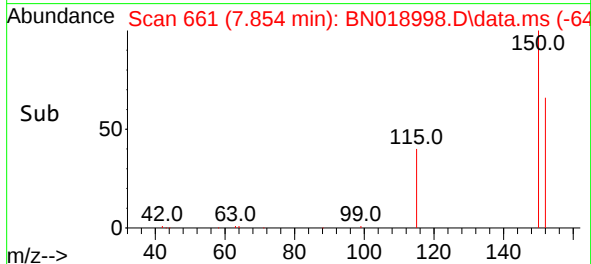
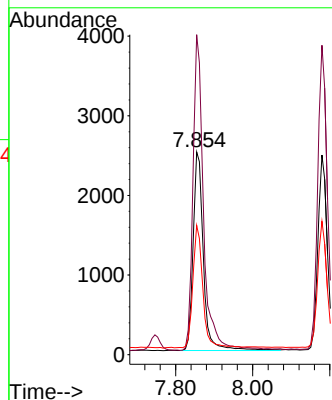
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.854 min Scan# 661  
 Delta R.T. 0.000 min  
 Lab File: BN018998.D  
 Acq: 17 Mar 2022 17:18

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:152 Resp: 4618

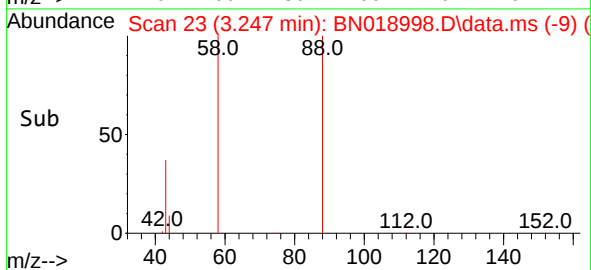
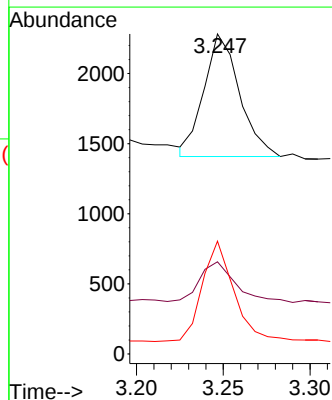
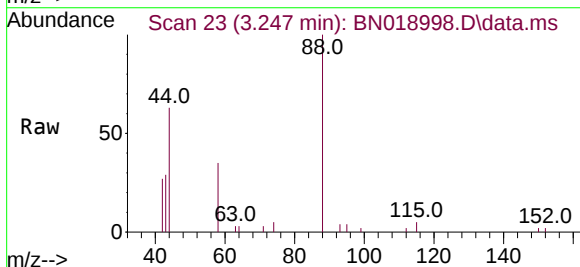
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 157.9 | 123.9 | 185.9 |
| 115 | 63.8  | 48.2  | 72.4  |



#2  
 1,4-Dioxane  
 Concen: 0.218 ng  
 RT: 3.247 min Scan# 23  
 Delta R.T. 0.000 min  
 Lab File: BN018998.D  
 Acq: 17 Mar 2022 17:18

Tgt Ion: 88 Resp: 1245

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 31.4  | 24.6  | 37.0  |
| 58  | 73.3  | 65.4  | 98.2  |

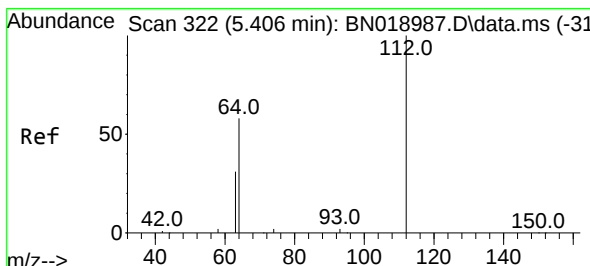
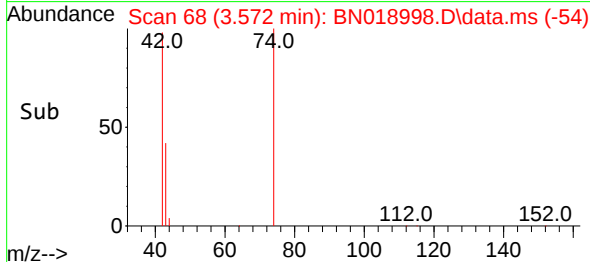
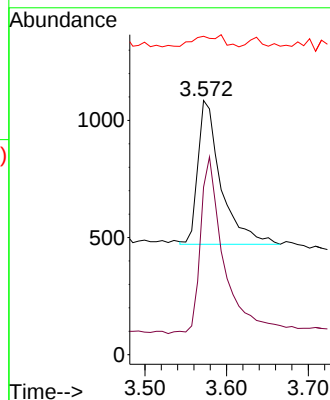
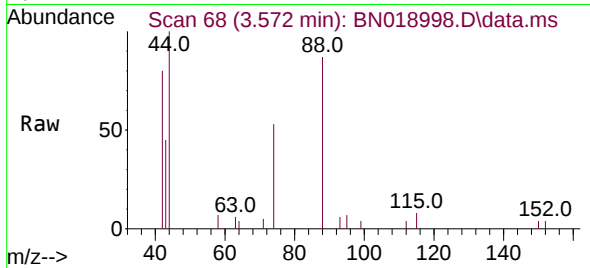




#3  
n-Nitrosodimethylamine  
Concen: 0.181 ng  
RT: 3.572 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

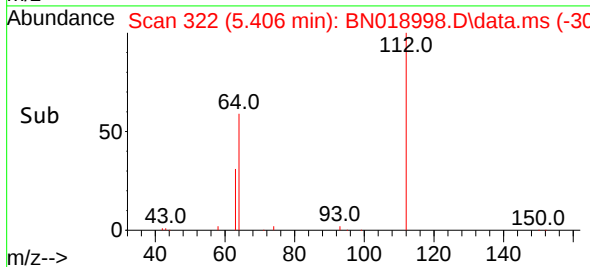
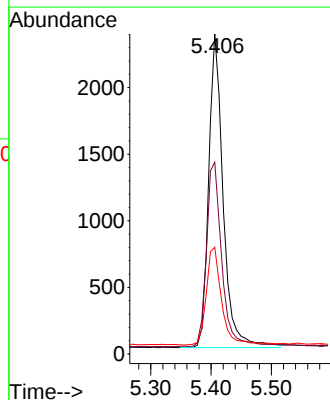
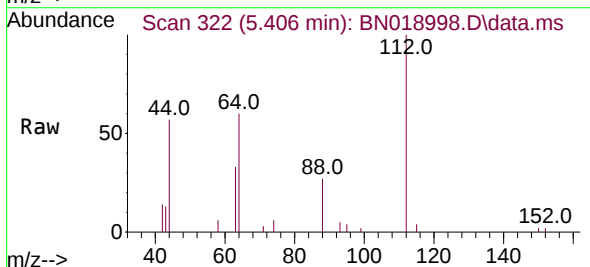
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 42 Resp: 1207  
Ion Ratio Lower Upper  
42 100  
74 125.9 96.9 145.3  
44 0.0 7.3 10.9#



#4  
2-Fluorophenol  
Concen: 0.380 ng  
RT: 5.406 min Scan# 322  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

Tgt Ion: 112 Resp: 3930  
Ion Ratio Lower Upper  
112 100  
64 61.8 47.8 71.8  
63 33.5 25.7 38.5

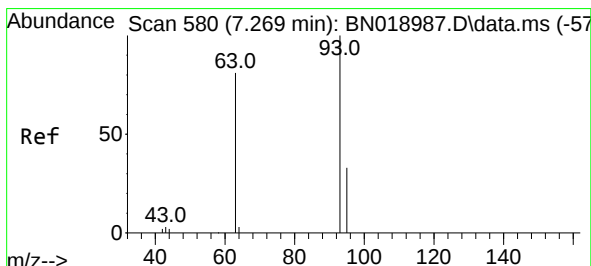
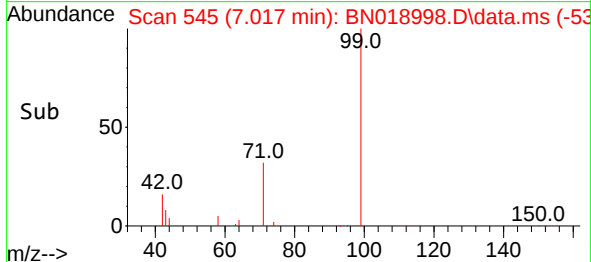
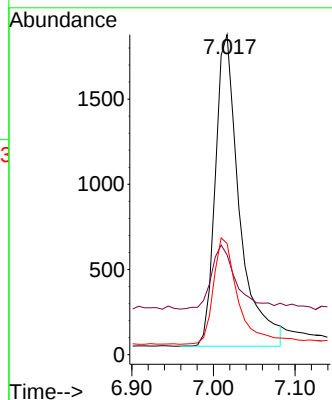
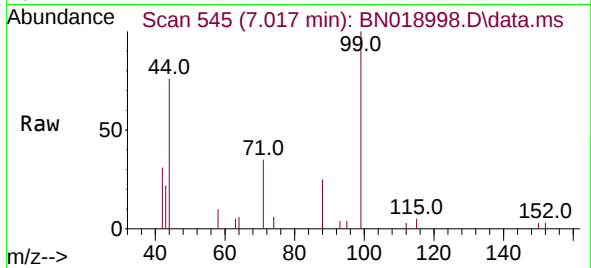




#5  
Phenol-d6  
Concen: 0.347 ng  
RT: 7.017 min Scan# 54  
Delta R.T. 0.007 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

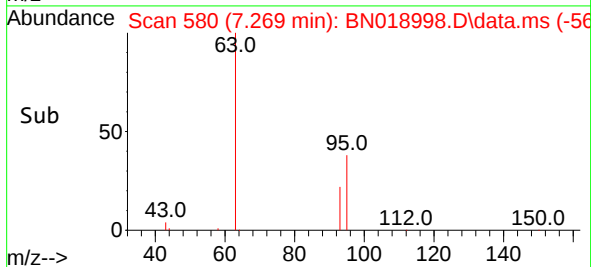
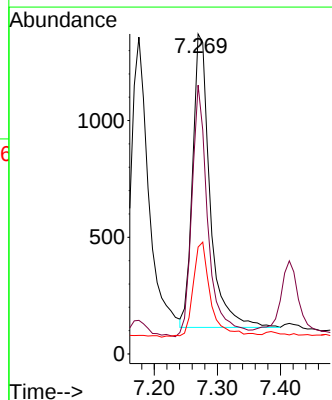
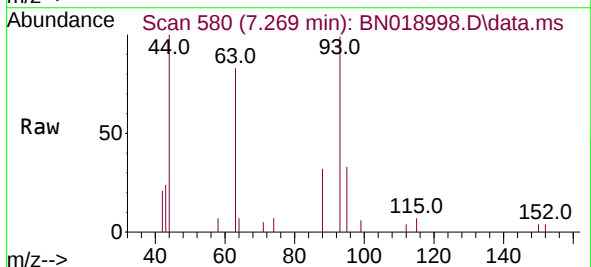
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 99 Resp: 3764  
Ion Ratio Lower Upper  
99 100  
42 20.9 16.2 24.4  
71 34.6 27.7 41.5



#6  
bis(2-Chloroethyl)ether  
Concen: 0.186 ng  
RT: 7.269 min Scan# 580  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

Tgt Ion: 93 Resp: 2402  
Ion Ratio Lower Upper  
93 100  
63 80.3 62.8 94.2  
95 33.6 26.2 39.4

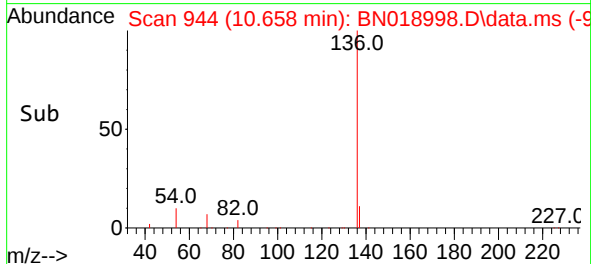
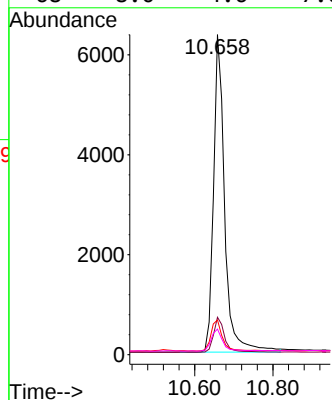
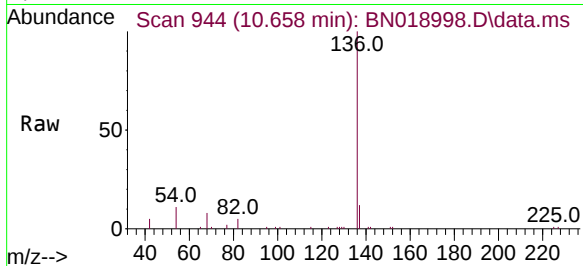




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.658 min Scan# 944  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

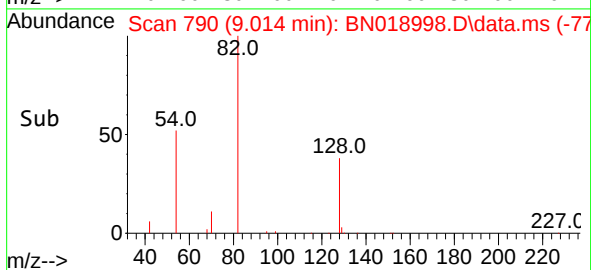
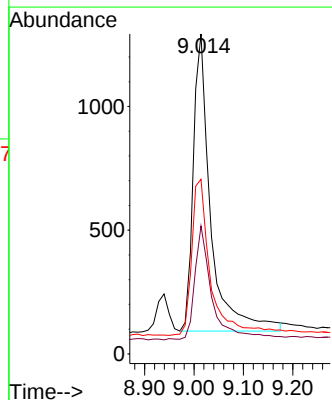
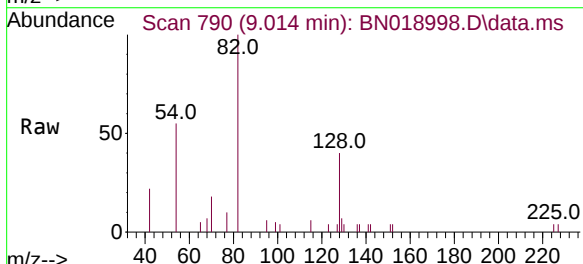
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

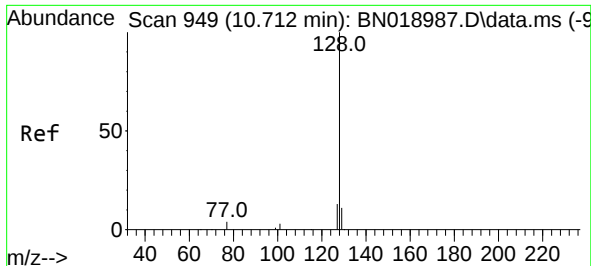
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|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 12546 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.7  | 9.0   | 13.4  |
| 54        | 10.9  | 5.8   | 8.6#  |
| 68        | 8.0   | 4.6   | 7.0#  |



#8  
Nitrobenzene-d5  
Concen: 0.325 ng  
RT: 9.014 min Scan# 790  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 2943 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 40.0  | 33.0  | 49.6 |
| 54        | 54.6  | 42.5  | 63.7 |

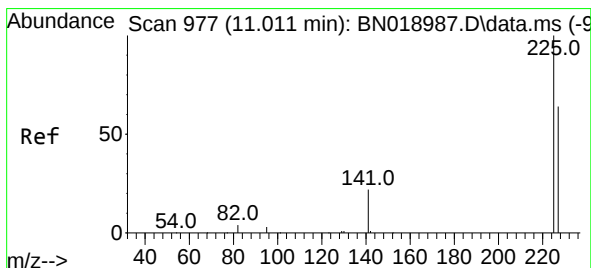
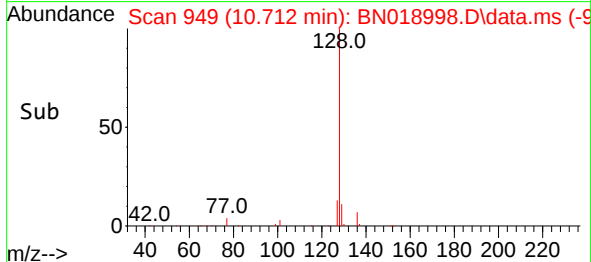
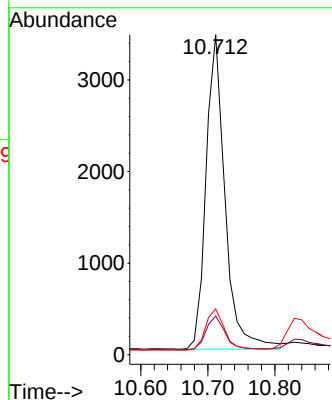
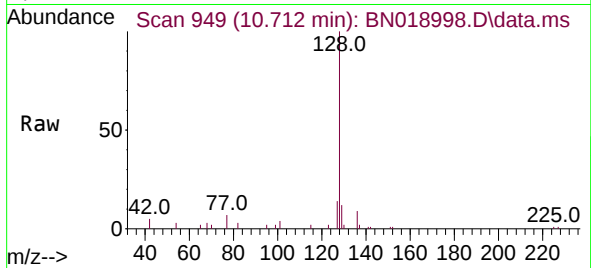




#9  
Naphthalene  
Concen: 0.190 ng  
RT: 10.712 min Scan# 949  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

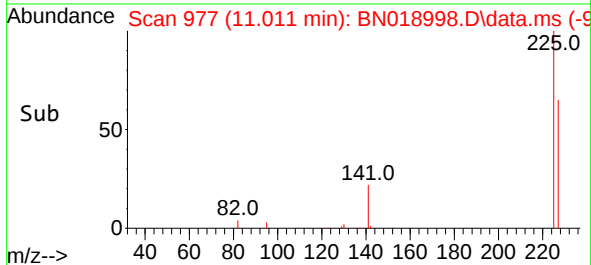
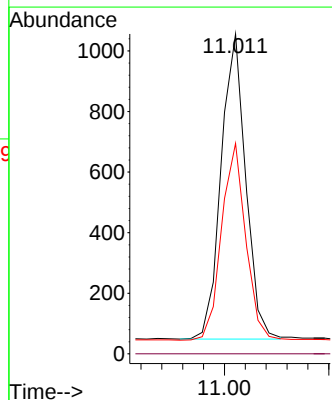
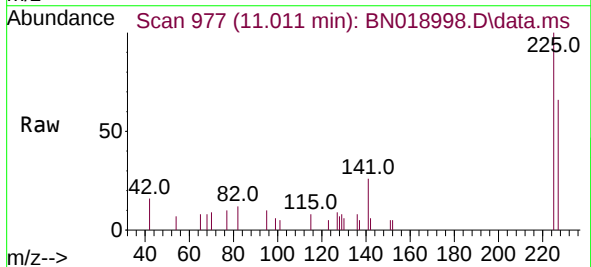
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 6786  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 12.0  | 9.0   | 13.4  |
| 127      | 14.3  | 10.7  | 16.1  |



#10  
Hexachlorobutadiene  
Concen: 0.189 ng  
RT: 11.011 min Scan# 977  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 1648  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 0.0   | 0.0   | 0.0   |
| 227      | 63.6  | 51.0  | 76.6  |





#11

2-Methylnaphthalene-d10

Concen: 0.336 ng

RT: 12.253 min Scan# 1220

Delta R.T. 0.004 min

Lab File: BN018998.D

Acq: 17 Mar 2022 17:18

Instrument :

BNA\_N

ClientSampleId :

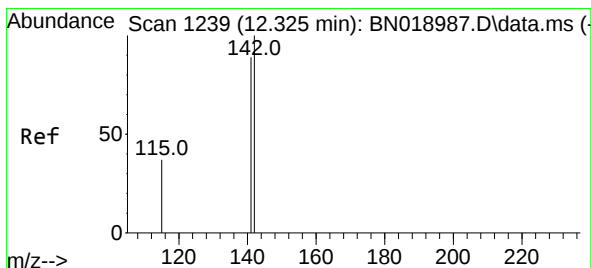
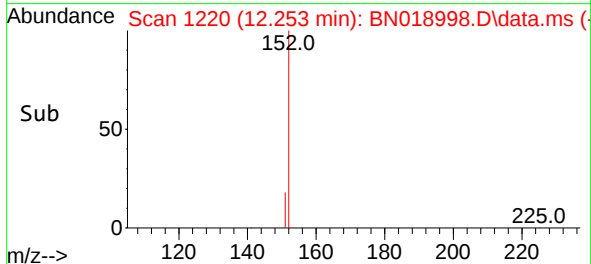
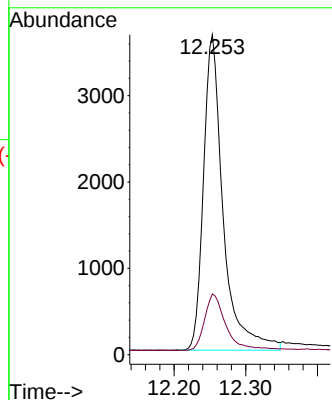
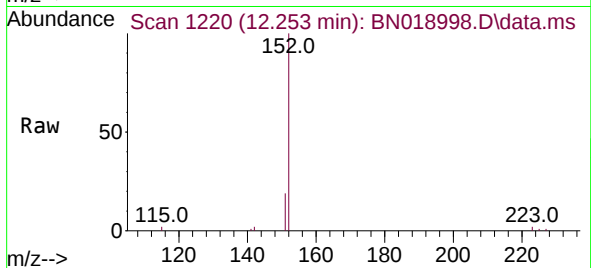
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:152 Resp: 6996

Ion Ratio Lower Upper

152 100

151 19.9 16.5 24.7



#12

2-Methylnaphthalene

Concen: 0.191 ng

RT: 12.325 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BN018998.D

Acq: 17 Mar 2022 17:18

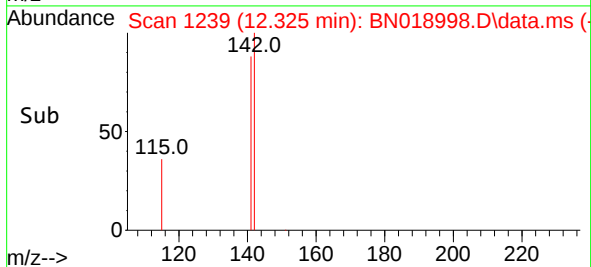
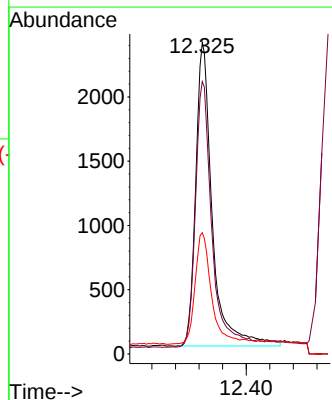
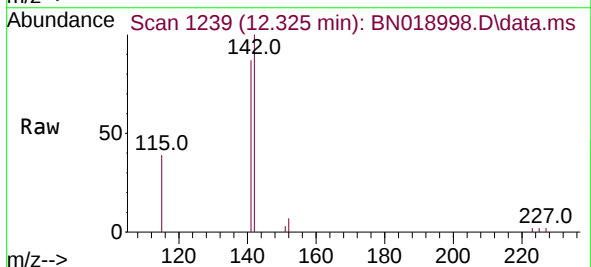
Tgt Ion:142 Resp: 4633

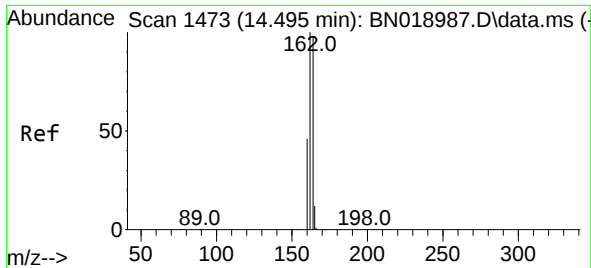
Ion Ratio Lower Upper

142 100

141 87.5 70.0 105.0

115 38.9 29.8 44.8

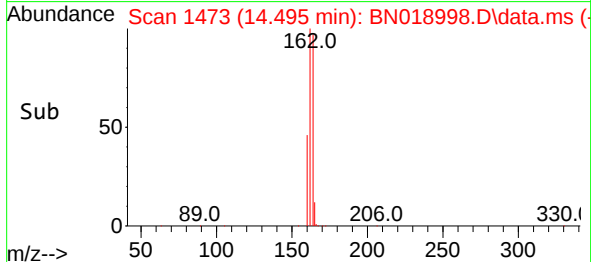
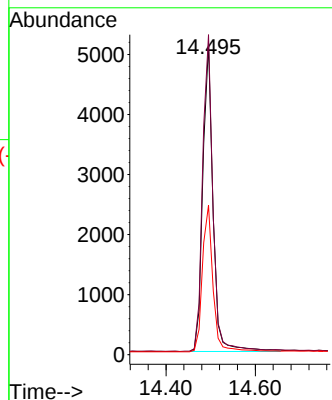
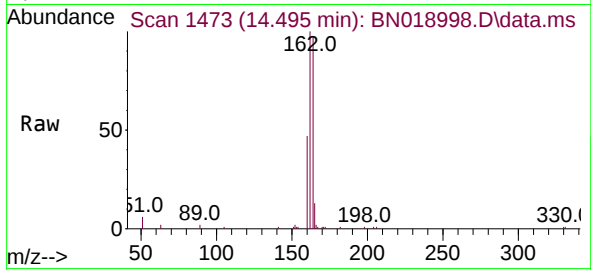




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.495 min Scan# 1473  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

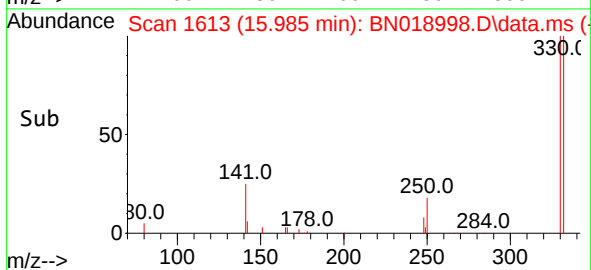
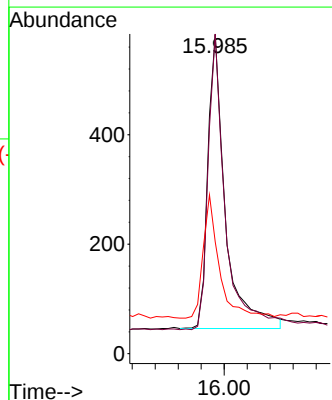
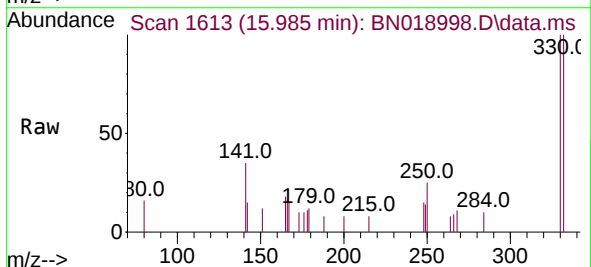
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:164 Resp: 8164  
Ion Ratio Lower Upper  
164 100  
162 103.2 85.2 127.8  
160 48.2 41.5 62.3



#14  
2,4,6-Tribromophenol  
Concen: 0.290 ng  
RT: 15.985 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

Tgt Ion:330 Resp: 1143  
Ion Ratio Lower Upper  
330 100  
332 98.6 76.8 115.2  
141 38.7 32.2 48.2

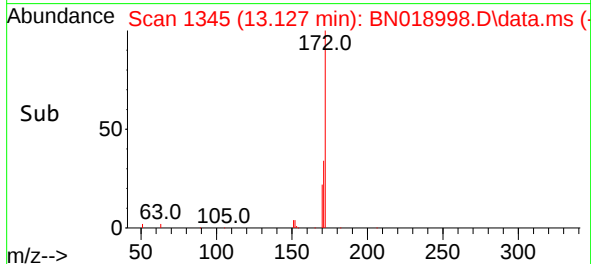
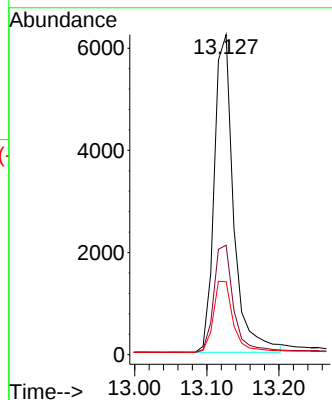
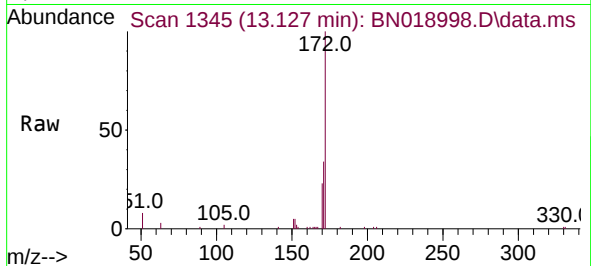




#15  
2-Fluorobiphenyl  
Concen: 0.354 ng  
RT: 13.127 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

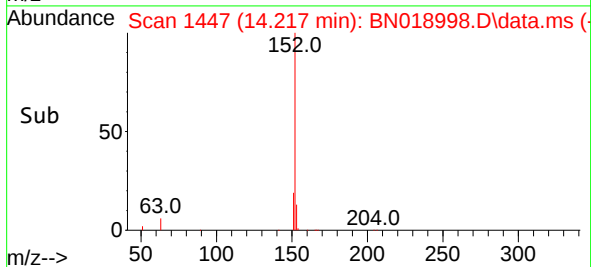
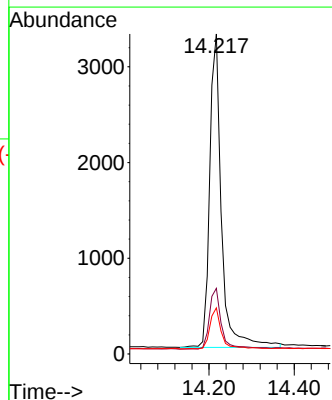
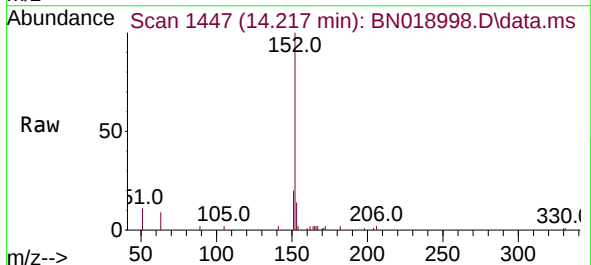
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

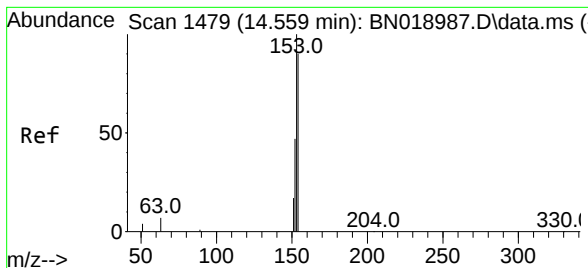
Tgt Ion:172 Resp: 11601  
Ion Ratio Lower Upper  
172 100  
171 34.2 28.2 42.2  
170 22.8 18.7 28.1



#16  
Acenaphthylene  
Concen: 0.165 ng  
RT: 14.217 min Scan# 1447  
Delta R.T. 0.011 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

Tgt Ion:152 Resp: 6244  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.9 23.9  
153 12.8 10.6 15.8





#17

Acenaphthene

Concen: 0.180 ng

RT: 14.559 min Scan# 1479

Delta R.T. 0.000 min

Lab File: BN018998.D

Acq: 17 Mar 2022 17:18

Instrument :

BNA\_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

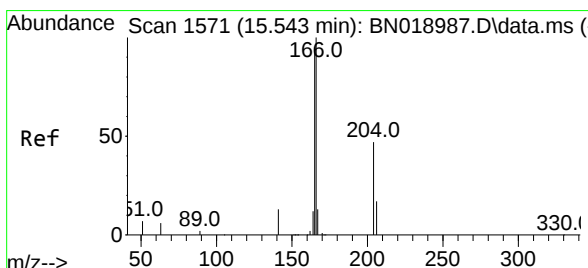
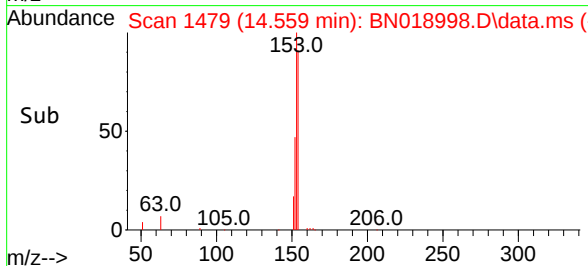
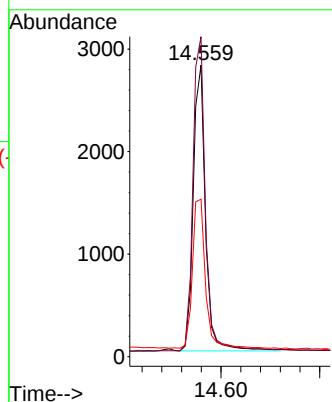
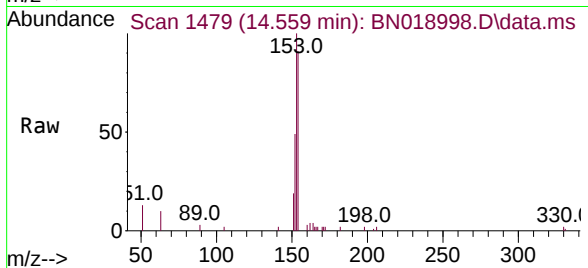
Tgt Ion:154 Resp: 4786

Ion Ratio Lower Upper

154 100

153 112.4 89.7 134.5

152 56.1 44.7 67.1



#18

Fluorene

Concen: 0.174 ng

RT: 15.543 min Scan# 1571

Delta R.T. 0.000 min

Lab File: BN018998.D

Acq: 17 Mar 2022 17:18

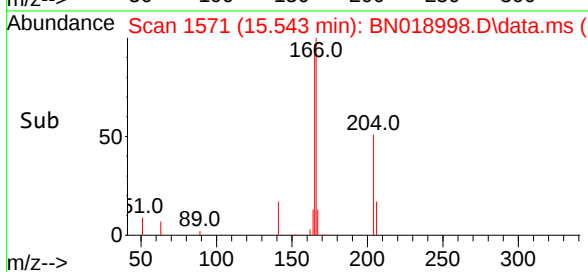
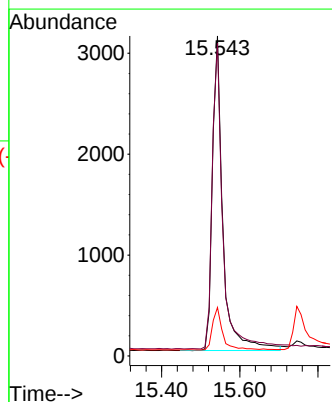
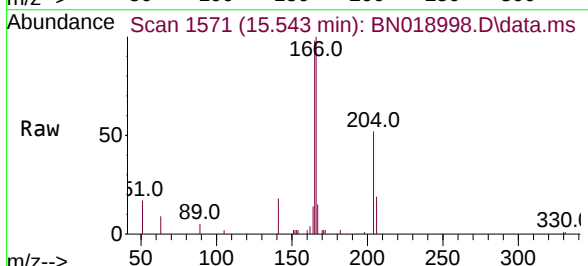
Tgt Ion:166 Resp: 5822

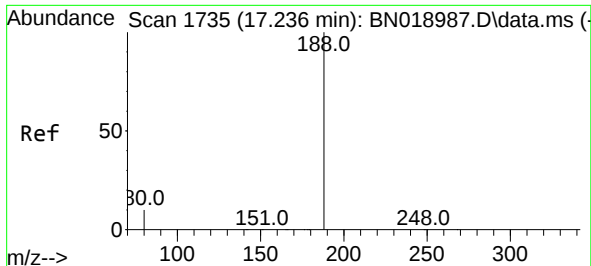
Ion Ratio Lower Upper

166 100

165 98.2 79.2 118.8

167 13.2 10.7 16.1

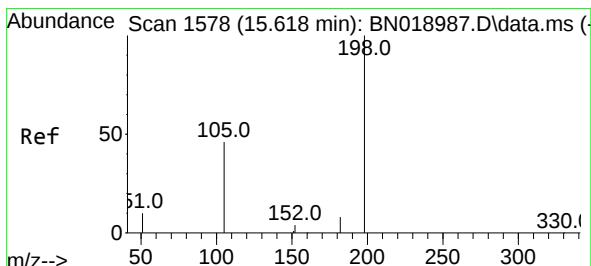
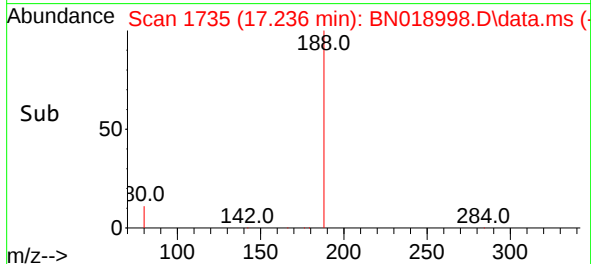
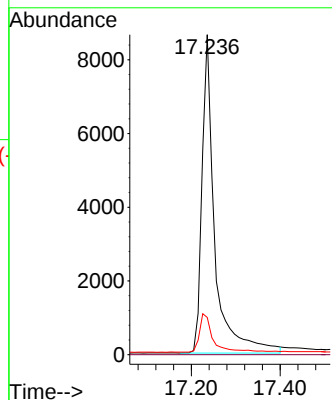
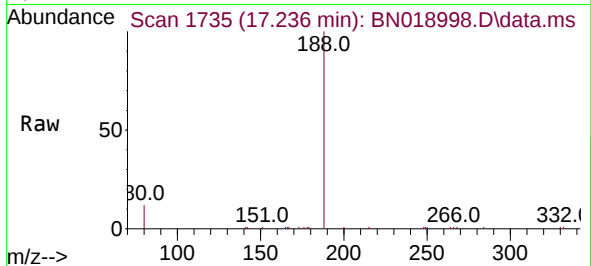




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.236 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

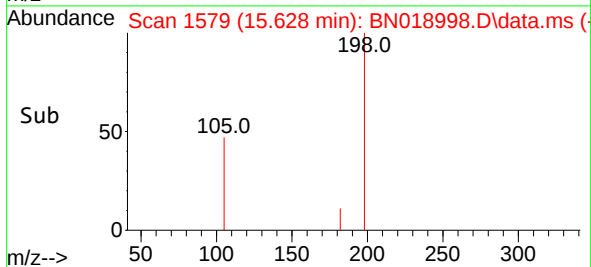
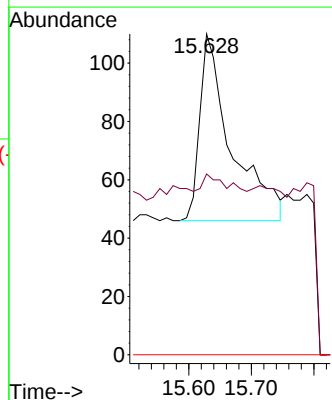
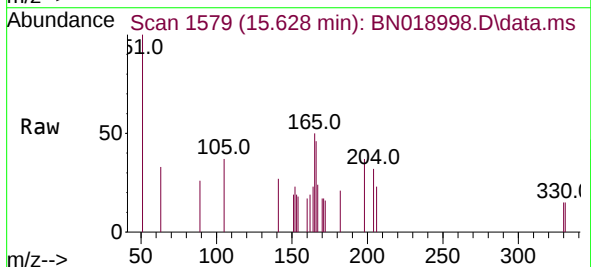
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

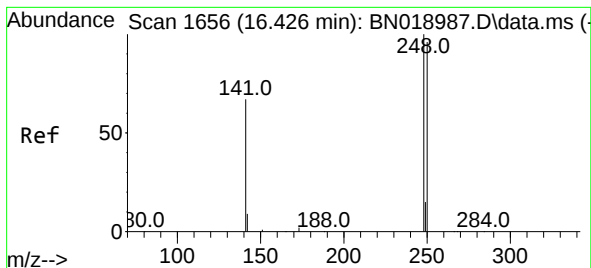
Tgt Ion:188 Resp: 17217  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.6 11.8 17.8#



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.105 ng  
RT: 15.628 min Scan# 1579  
Delta R.T. 0.010 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

Tgt Ion:198 Resp: 224  
Ion Ratio Lower Upper  
198 100  
182 56.4 13.0 19.4#  
77 0.0 0.0 0.0

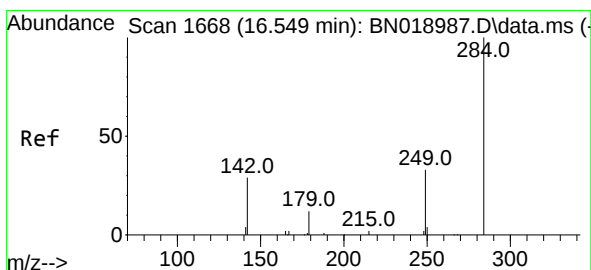
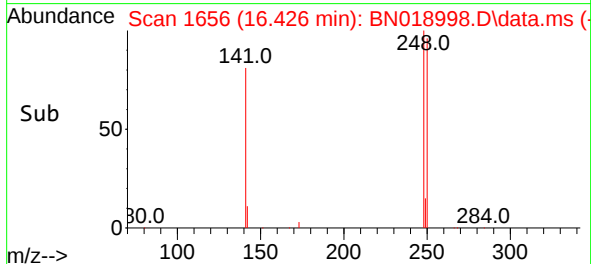
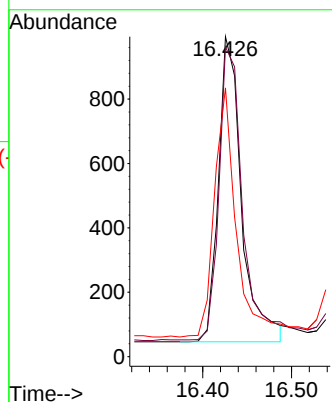
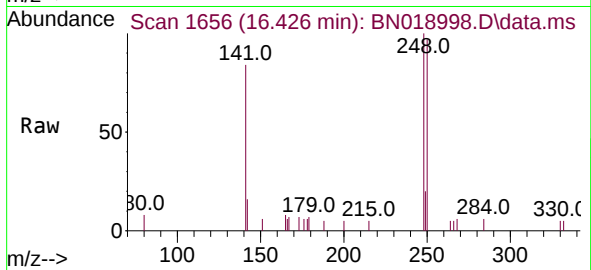




#21  
4-Bromophenyl-phenylether  
Concen: 0.158 ng  
RT: 16.426 min Scan# 1656  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

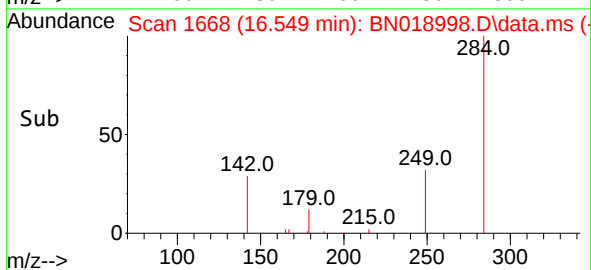
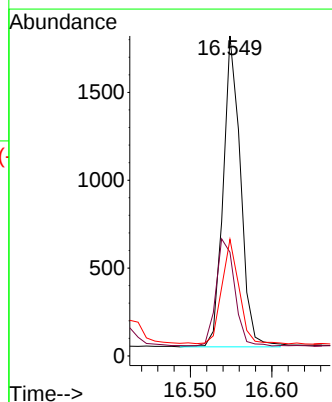
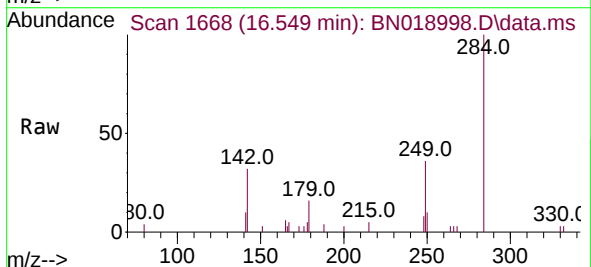
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:248 Resp: 1717  
Ion Ratio Lower Upper  
248 100  
250 96.8 80.7 121.1  
141 84.0 39.6 59.4#



#22  
Hexachlorobenzene  
Concen: 0.187 ng  
RT: 16.549 min Scan# 1668  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

Tgt Ion:284 Resp: 2614  
Ion Ratio Lower Upper  
284 100  
142 37.0 29.8 44.8  
249 33.1 26.2 39.2

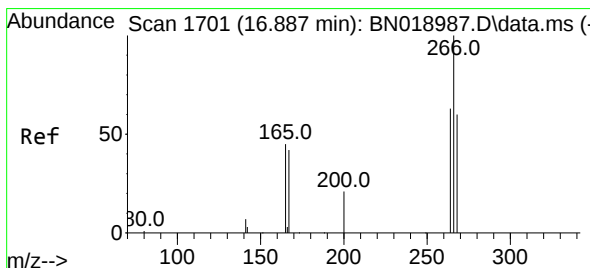
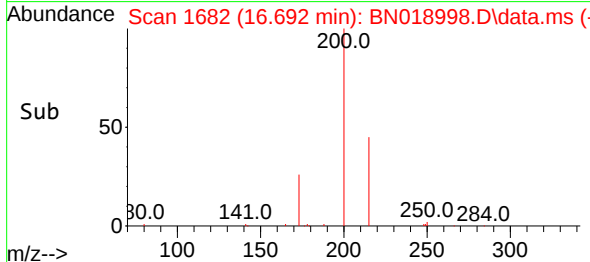
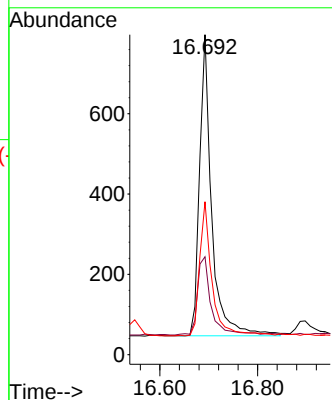
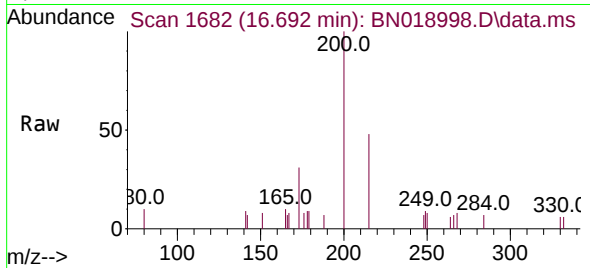




#23  
 Atrazine  
 Concen: 0.159 ng  
 RT: 16.692 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BN018998.D  
 Acq: 17 Mar 2022 17:18

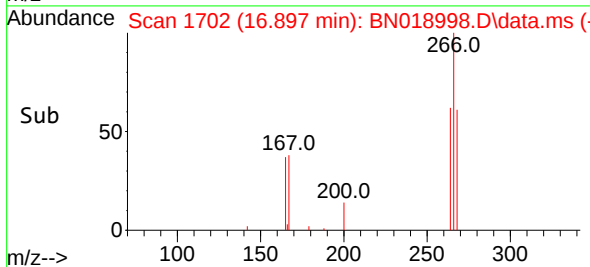
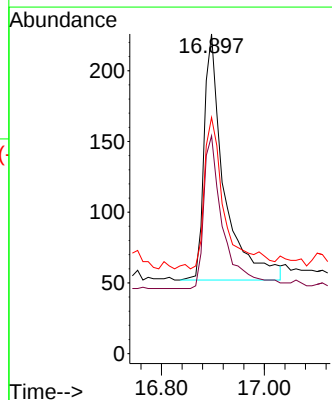
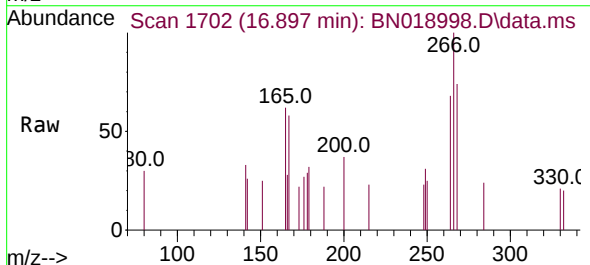
Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2022

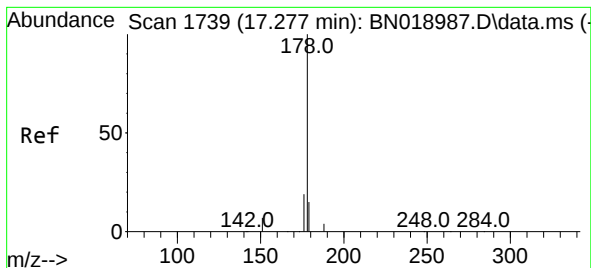
Tgt Ion:200 Resp: 1293  
 Ion Ratio Lower Upper  
 200 100  
 173 30.6 23.9 35.9  
 215 47.8 36.6 54.8



#24  
 Pentachlorophenol  
 Concen: 0.110 ng  
 RT: 16.897 min Scan# 1702  
 Delta R.T. 0.010 min  
 Lab File: BN018998.D  
 Acq: 17 Mar 2022 17:18

Tgt Ion:266 Resp: 471  
 Ion Ratio Lower Upper  
 266 100  
 264 61.4 50.2 75.4  
 268 62.8 51.9 77.9





#25

Phenanthrene

Concen: 0.171 ng

RT: 17.277 min Scan# 1739

Delta R.T. 0.000 min

Lab File: BN018998.D

Acq: 17 Mar 2022 17:18

Instrument :

BNA\_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

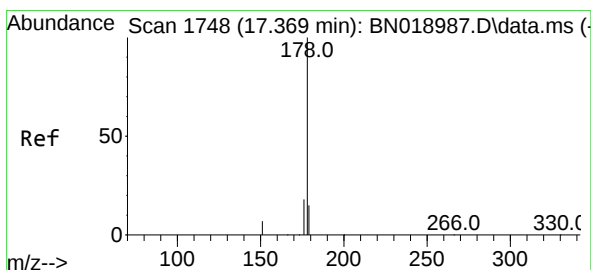
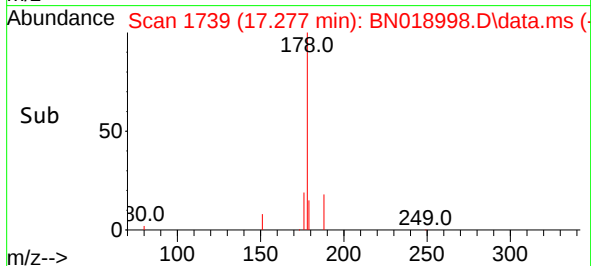
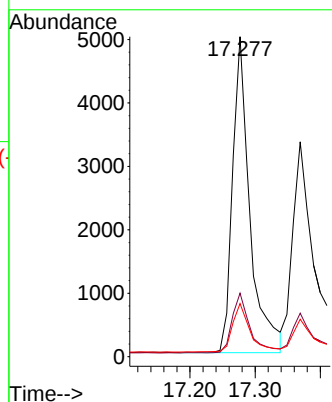
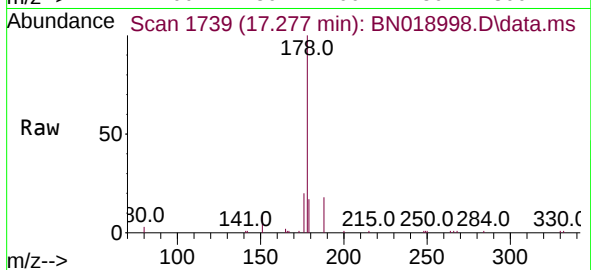
Tgt Ion:178 Resp: 9202

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 16.1 12.2 18.2



#26

Anthracene

Concen: 0.155 ng

RT: 17.369 min Scan# 1748

Delta R.T. 0.000 min

Lab File: BN018998.D

Acq: 17 Mar 2022 17:18

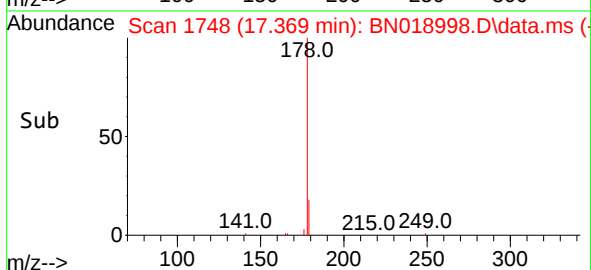
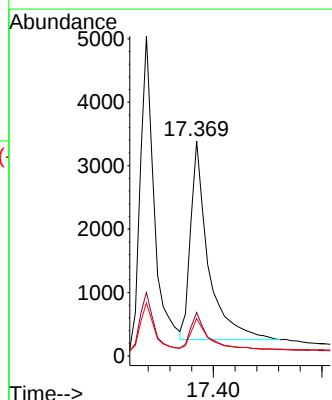
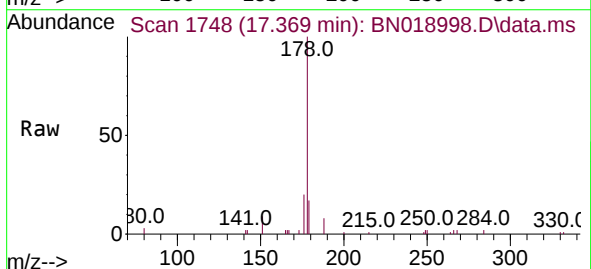
Tgt Ion:178 Resp: 7074

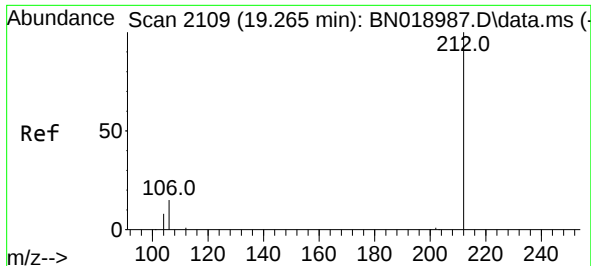
Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 15.4 12.2 18.4

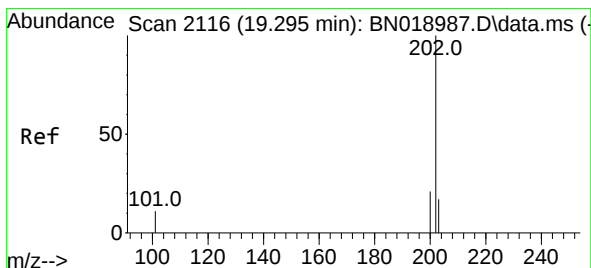
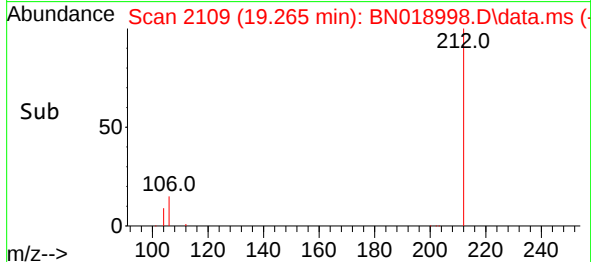
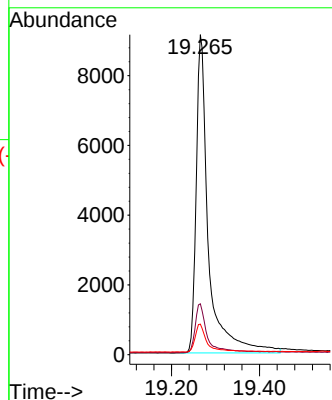
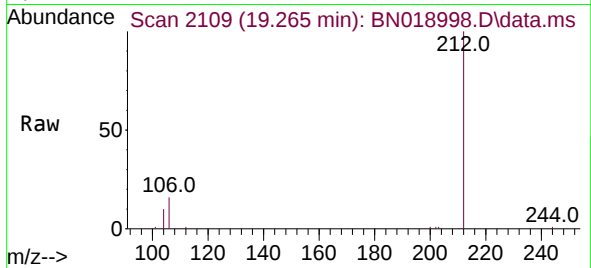




#27  
Fluoranthene-d10  
Concen: 0.345 ng  
RT: 19.265 min Scan# 2109  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

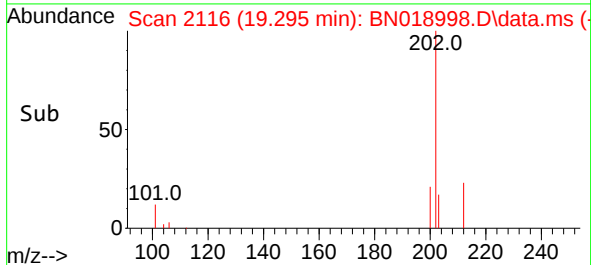
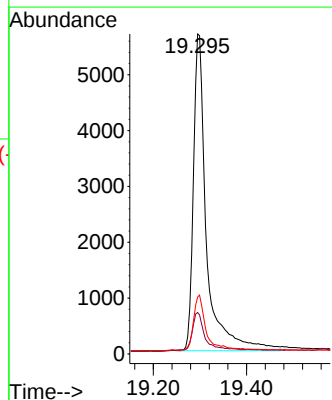
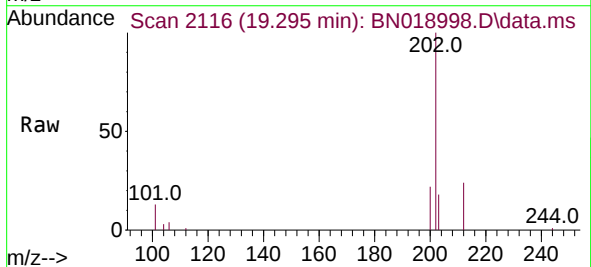
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

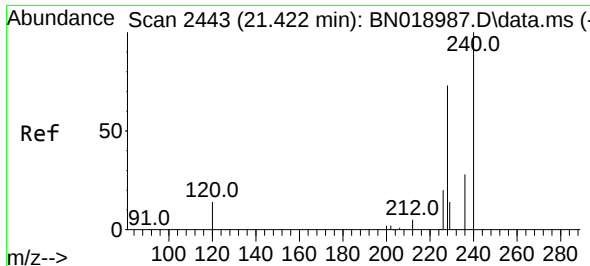
Tgt Ion:212 Resp: 17611  
Ion Ratio Lower Upper  
212 100  
106 15.3 12.7 19.1  
104 8.1 7.1 10.7



#28  
Fluoranthene  
Concen: 0.176 ng  
RT: 19.295 min Scan# 2116  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

Tgt Ion:202 Resp: 11132  
Ion Ratio Lower Upper  
202 100  
101 12.0 9.8 14.6  
203 16.7 13.7 20.5

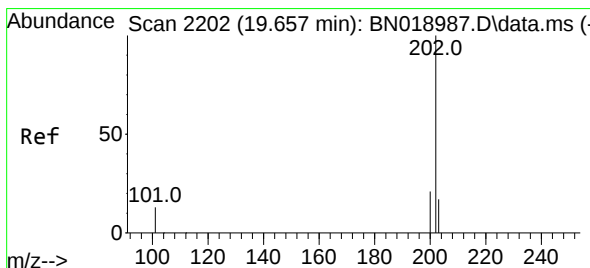
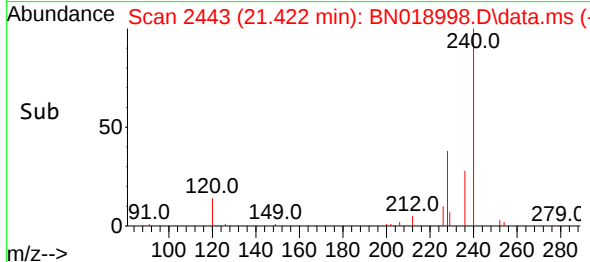
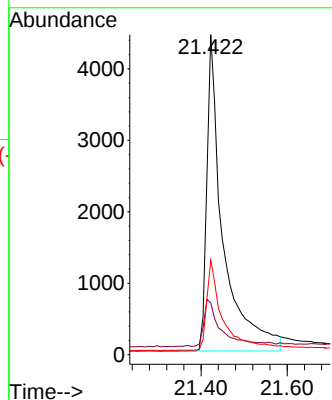
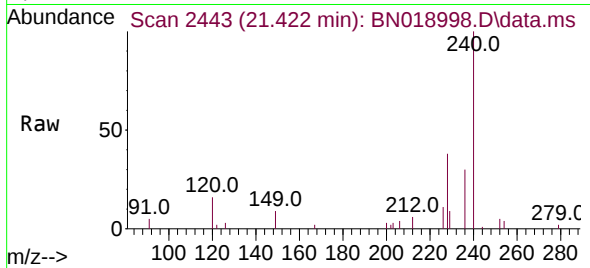




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.422 min Scan# 2443  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

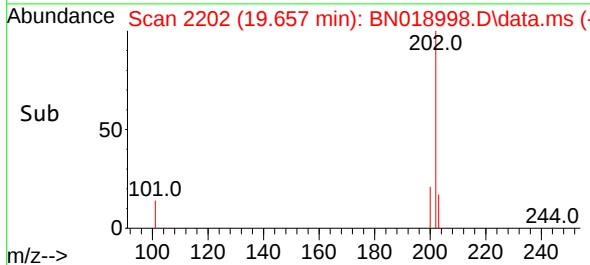
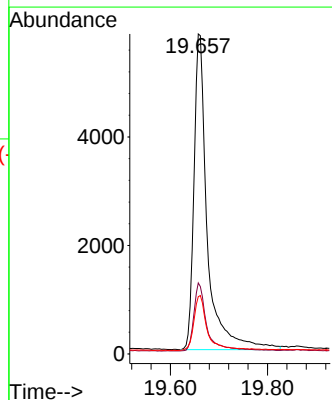
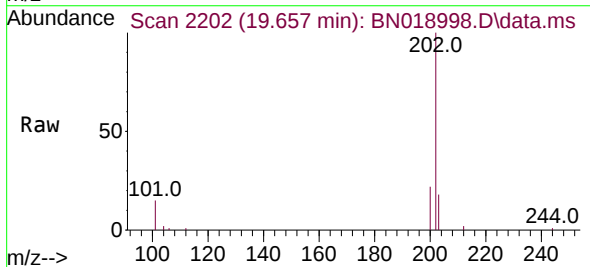
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:240 Resp: 11589  
Ion Ratio Lower Upper  
240 100  
120 16.2 8.5 12.7#  
236 29.5 22.4 33.6



#30  
Pyrene  
Concen: 0.193 ng  
RT: 19.657 min Scan# 2202  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

Tgt Ion:202 Resp: 11161  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.9 25.3  
203 17.5 14.2 21.2

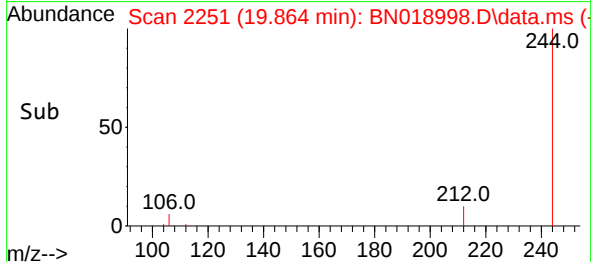
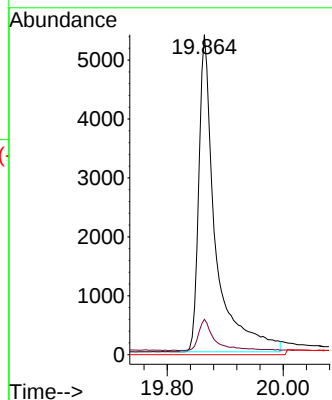
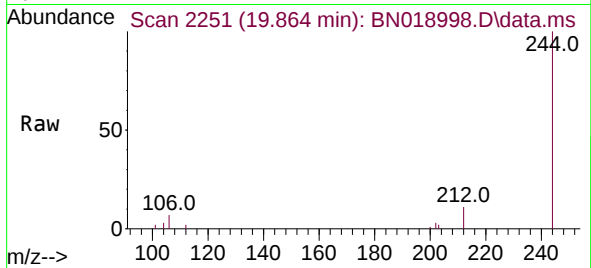




#31  
 Terphenyl-d14  
 Concen: 0.379 ng  
 RT: 19.864 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN018998.D  
 Acq: 17 Mar 2022 17:18

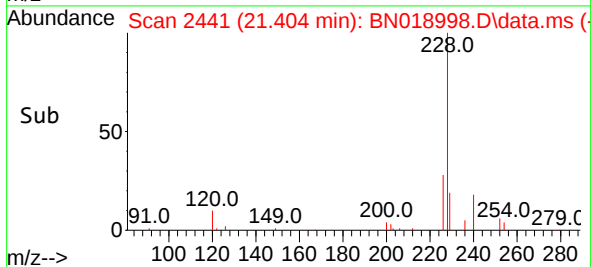
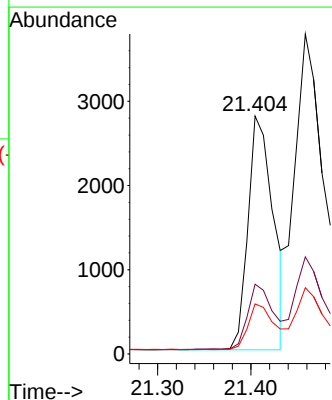
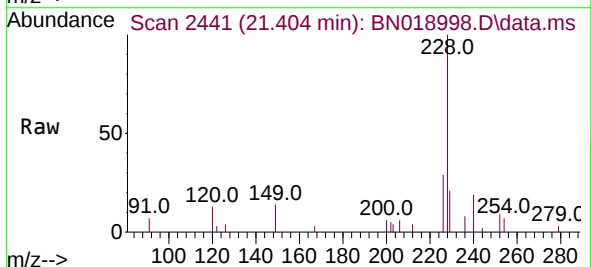
Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:244 Resp: 10779  
 Ion Ratio Lower Upper  
 244 100  
 212 11.0 8.2 12.4  
 122 0.0 0.0 0.0



#32  
 Benzo(a)anthracene  
 Concen: 0.146 ng  
 RT: 21.404 min Scan# 2441  
 Delta R.T. 0.000 min  
 Lab File: BN018998.D  
 Acq: 17 Mar 2022 17:18

Tgt Ion:228 Resp: 5201  
 Ion Ratio Lower Upper  
 228 100  
 226 29.3 21.9 32.9  
 229 21.0 16.0 24.0

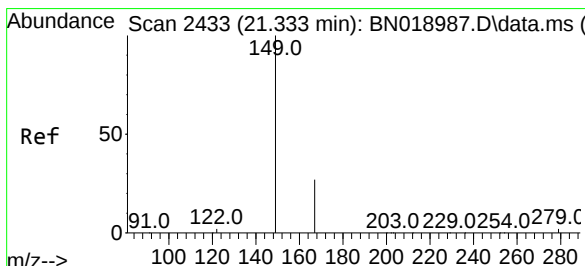
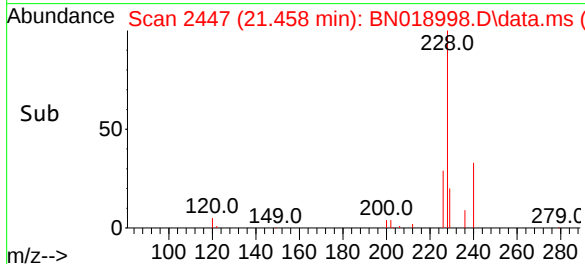
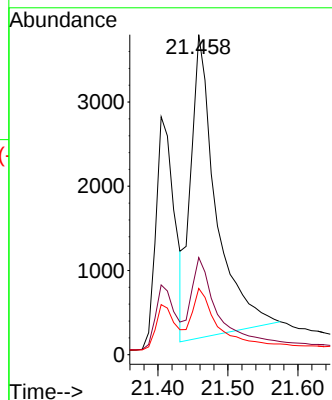
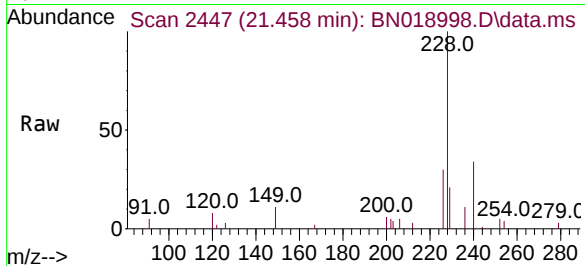




#33  
Chrysene  
Concen: 0.188 ng  
RT: 21.458 min Scan# 2447  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

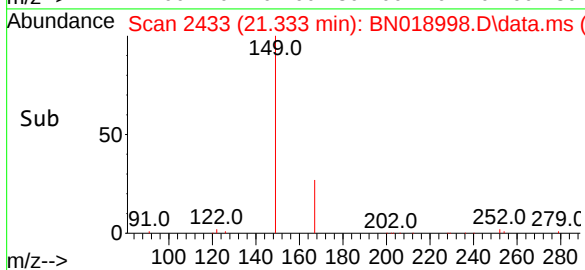
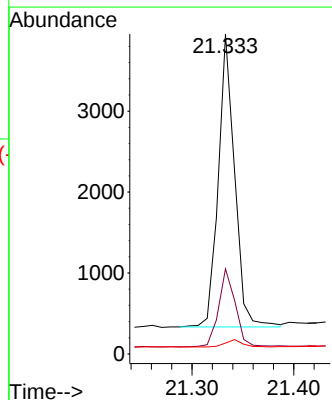
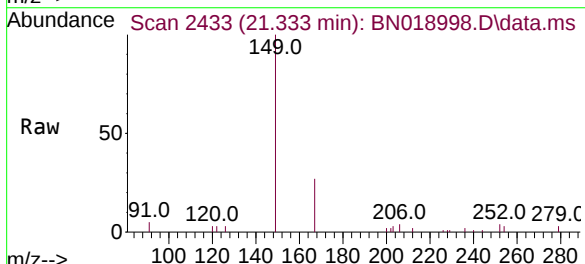
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:228 Resp: 9040  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.0 36.0  
229 20.7 15.9 23.9



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.170 ng  
RT: 21.333 min Scan# 2433  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

Tgt Ion:149 Resp: 4031  
Ion Ratio Lower Upper  
149 100  
167 27.6 21.8 32.8  
279 2.7 2.0 3.0

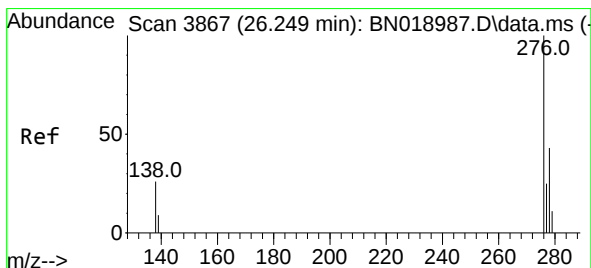
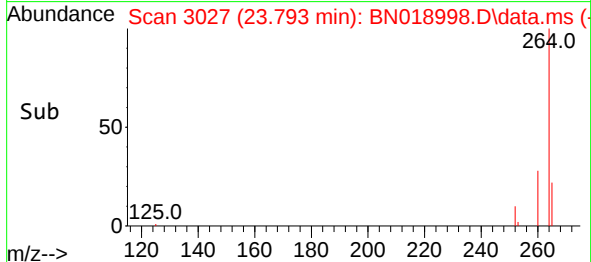
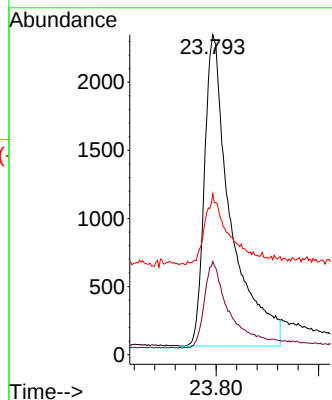
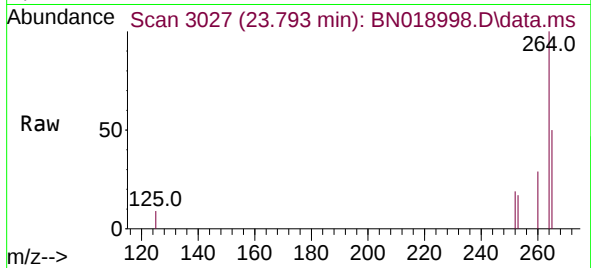




#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.793 min Scan# 3026  
Delta R.T. 0.003 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

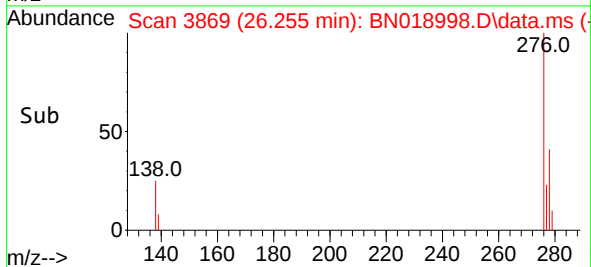
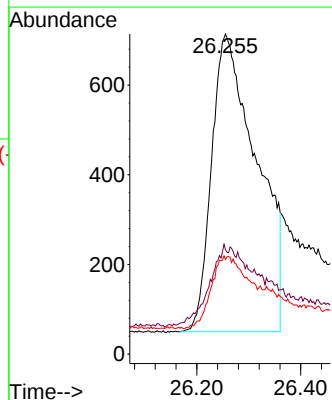
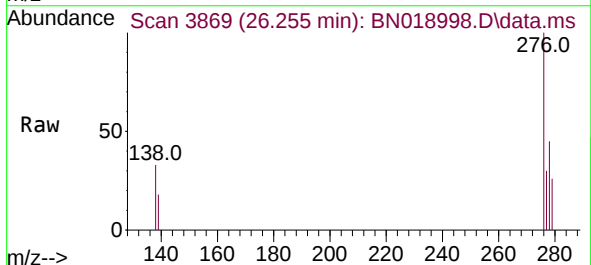
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:264 Resp: 8160  
Ion Ratio Lower Upper  
264 100  
260 29.1 22.4 33.6  
265 50.3 25.3 37.9#



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.136 ng  
RT: 26.255 min Scan# 3869  
Delta R.T. 0.006 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

Tgt Ion:276 Resp: 3999  
Ion Ratio Lower Upper  
276 100  
138 11.0 24.5 36.7#  
277 19.6 19.8 29.8#

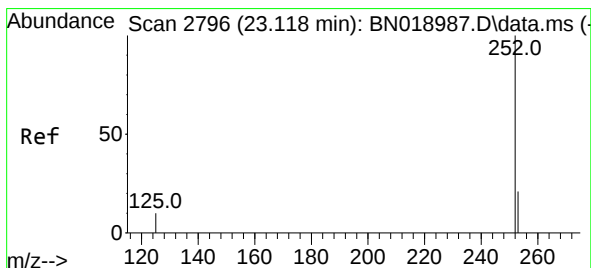
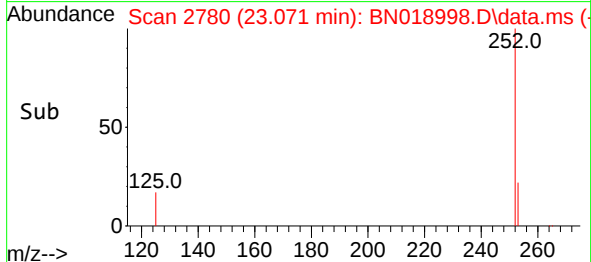
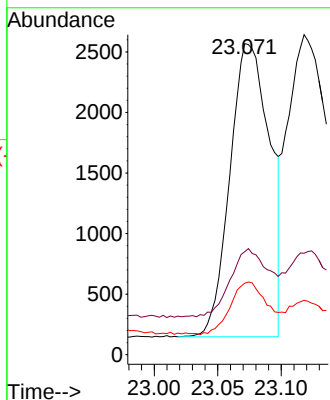
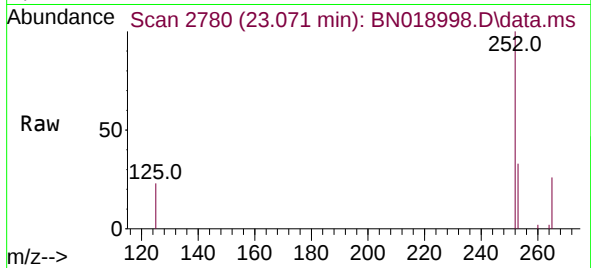




#37  
Benzo(b)fluoranthene  
Concen: 0.177 ng  
RT: 23.071 min Scan# 2781  
Delta R.T. -0.003 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

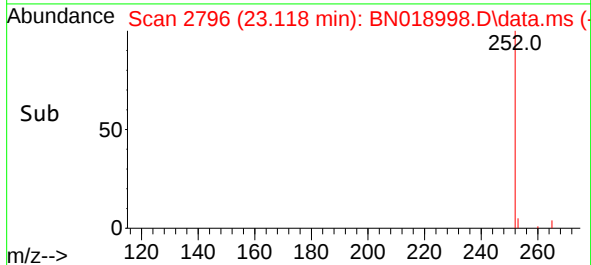
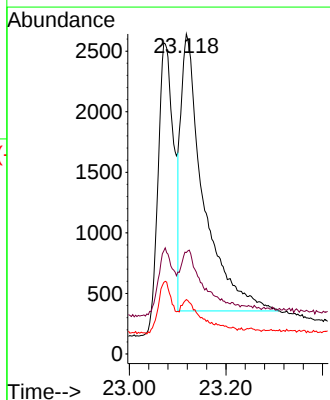
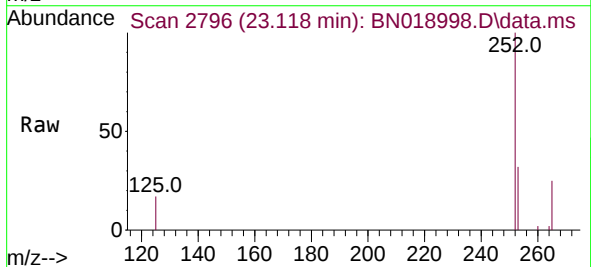
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:252 Resp: 5280  
Ion Ratio Lower Upper  
252 100  
253 33.1 18.9 28.3#  
125 23.0 12.1 18.1#



#38  
Benzo(k)fluoranthene  
Concen: 0.183 ng  
RT: 23.118 min Scan# 2796  
Delta R.T. 0.000 min  
Lab File: BN018998.D  
Acq: 17 Mar 2022 17:18

Tgt Ion:252 Resp: 7477  
Ion Ratio Lower Upper  
252 100  
253 31.7 18.9 28.3#  
125 17.0 10.3 15.5#





#39

Benzo(a)pyrene

Concen: 0.201 ng

RT: 23.694 min Scan# 2992

Delta R.T. 0.003 min

Lab File: BN018998.D

Acq: 17 Mar 2022 17:18

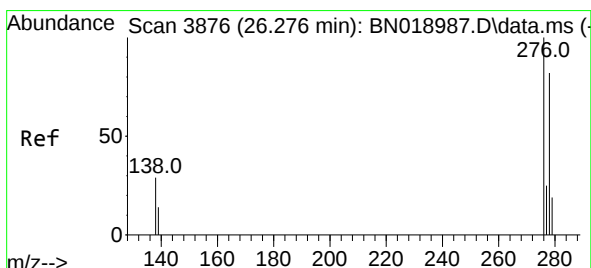
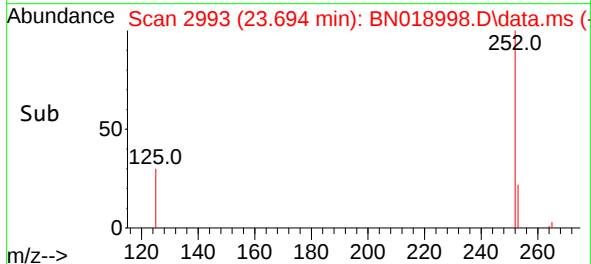
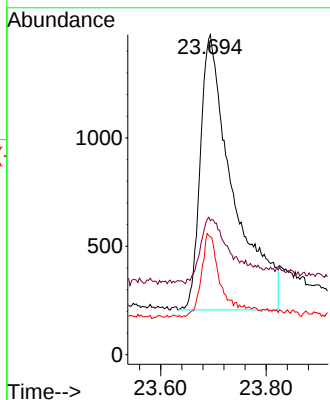
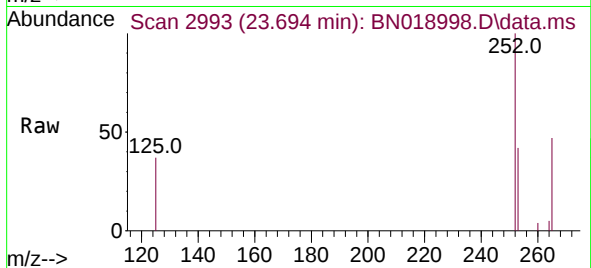
Instrument :

BNA\_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:252 | Resp: | 5444       |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 41.9  | 20.1 30.1# |
| 125         | 36.9  | 15.2 22.8# |



#40

Dibenzo(a,h)anthracene

Concen: 0.036 ng

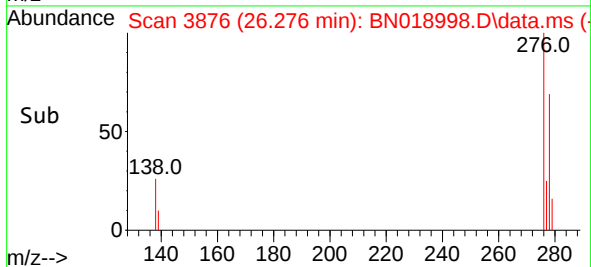
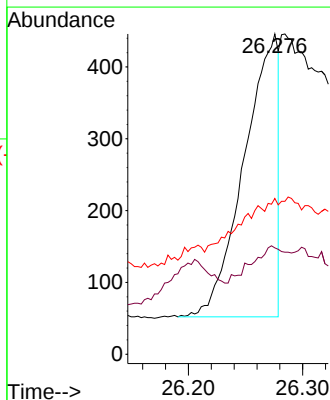
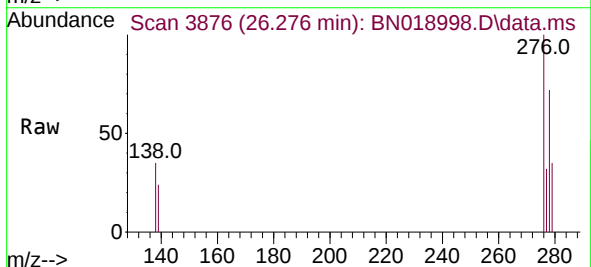
RT: 26.276 min Scan# 3876

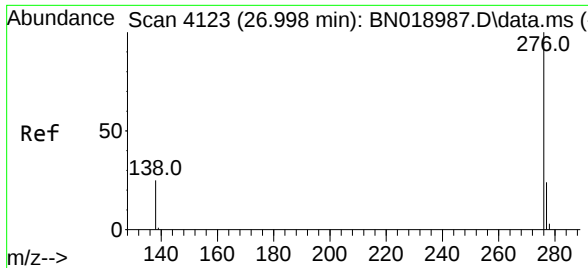
Delta R.T. 0.000 min

Lab File: BN018998.D

Acq: 17 Mar 2022 17:18

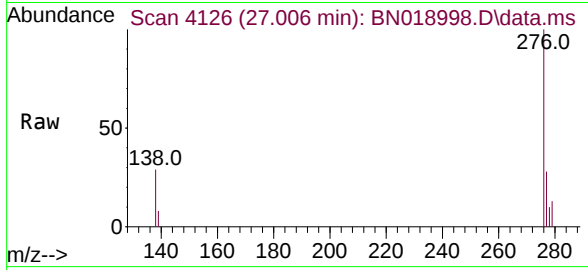
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:278 | Resp: | 816        |
| Ion Ratio   | Lower | Upper      |
| 278         | 100   |            |
| 139         | 33.2  | 17.2 25.8# |
| 279         | 48.7  | 19.9 29.9# |





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.181 ng  
 RT: 27.006 min Scan# 41  
 Delta R.T. 0.009 min  
 Lab File: BN018998.D  
 Acq: 17 Mar 2022 17:18

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2022



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 5226  |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 27.8  | 19.4  | 29.0  |
| 138      | 29.3  | 21.0  | 31.6  |

