

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073121\  
 Data File : BN015734.D  
 Acq On : 31 Jul 2021 14:25  
 Operator : CG/JU  
 Sample : M2262-01  
 Misc : LOD-MDL-SOIL-0.2ng  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2021

Quant Time: Aug 02 04:27:08 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN073021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 02 04:24:05 2021  
 Response via : Initial Calibration

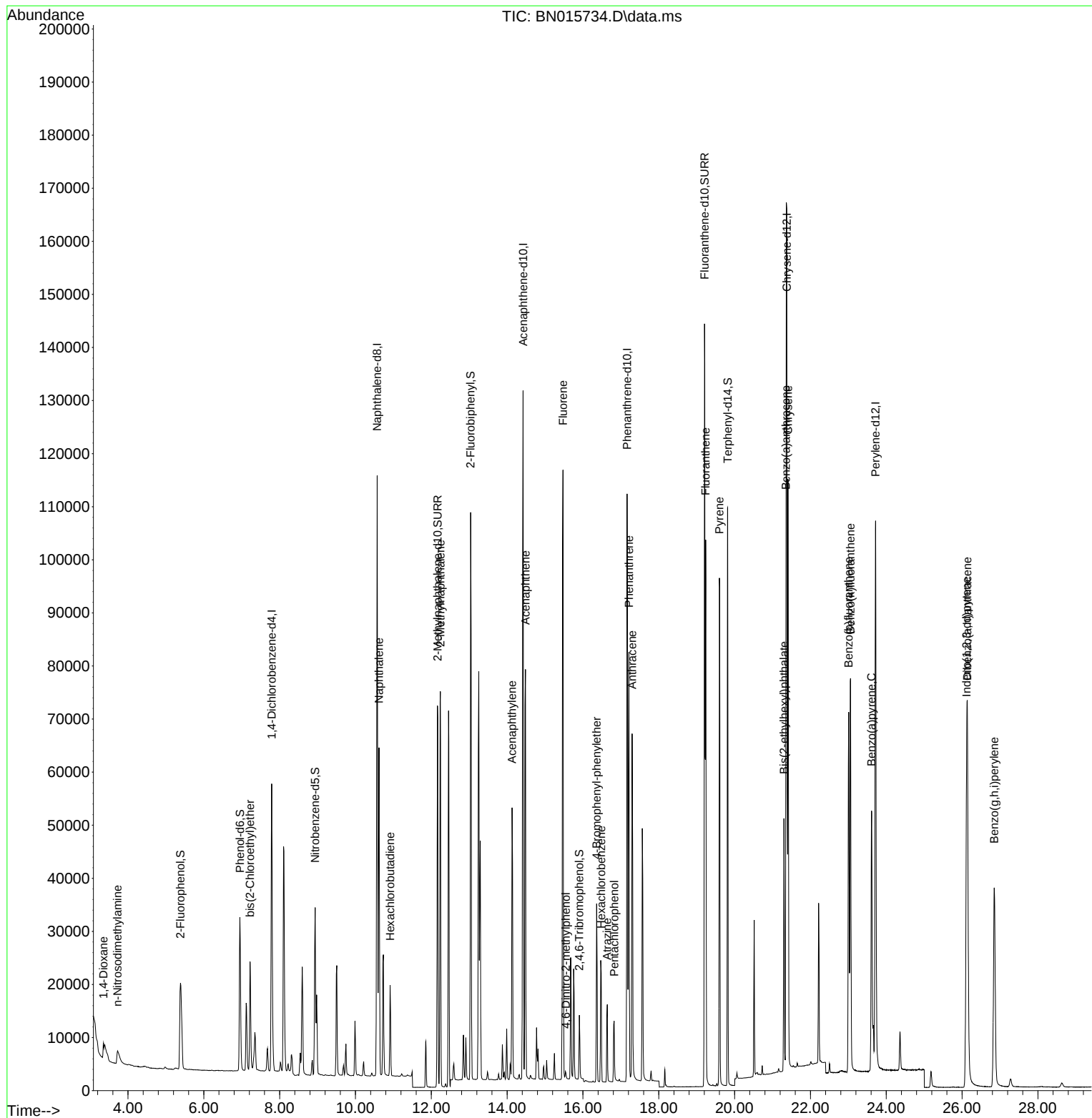
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.790  | 152  | 32954    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.571 | 136  | 148355   | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.421 | 164  | 79220    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.163 | 188  | 152720   | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.376 | 240  | 140613   | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.717 | 264  | 141550   | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.383  | 112  | 30960    | 0.350 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.950  | 99   | 35913    | 0.335 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.936  | 82   | 27772    | 0.298 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.162 | 152  | 95561    | 0.428 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.905 | 330  | 9775     | 0.286 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.038 | 172  | 98753    | 0.326 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.207 | 212  | 162309   | 0.403 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.817 | 244  | 110083   | 0.322 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.354  | 88   | 2453     | 0.217 | ng    | # 85     |
| 3) n-Nitrosodimethylamine     | 3.723  | 42   | 3769     | 0.172 | ng    | # 98     |
| 6) bis(2-Chloroethyl)ether    | 7.218  | 93   | 19303    | 0.220 | ng    | 100      |
| 9) Naphthalene                | 10.622 | 128  | 80165    | 0.207 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.913 | 225  | 13938    | 0.205 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.238 | 142  | 52971    | 0.211 | ng    | 100      |
| 16) Acenaphthylene            | 14.129 | 152  | 61870    | 0.178 | ng    | 100      |
| 17) Acenaphthene              | 14.484 | 154  | 44131    | 0.195 | ng    | 100      |
| 18) Fluorene                  | 15.474 | 166  | 53347    | 0.193 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.550 | 198  | 1120     | 0.095 | ng    | # 80     |
| 21) 4-Bromophenyl-phenylether | 16.360 | 248  | 16891    | 0.189 | ng    | # 70     |
| 22) Hexachlorobenzene         | 16.482 | 284  | 19627    | 0.199 | ng    | 99       |
| 23) Atrazine                  | 16.640 | 200  | 12679    | 0.186 | ng    | 97       |
| 24) Pentachlorophenol         | 16.822 | 266  | 6606     | 0.179 | ng    | 99       |
| 25) Phenanthrene              | 17.212 | 178  | 85846    | 0.196 | ng    | 100      |
| 26) Anthracene                | 17.297 | 178  | 71913    | 0.182 | ng    | 100      |
| 28) Fluoranthene              | 19.236 | 202  | 90198    | 0.193 | ng    | 100      |
| 30) Pyrene                    | 19.599 | 202  | 88133    | 0.188 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.355 | 228  | 79726    | 0.178 | ng    | 100      |
| 33) Chrysene                  | 21.408 | 228  | 87726    | 0.193 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.301 | 149  | 26630    | 0.112 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 26.120 | 276  | 97750    | 0.192 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 23.008 | 252  | 89402    | 0.196 | ng    | 100      |
| 38) Benzo(k)fluoranthene      | 23.056 | 252  | 95196    | 0.194 | ng    | 99       |
| 39) Benzo(a)pyrene            | 23.611 | 252  | 77034    | 0.185 | ng    | 99       |
| 40) Dibenzo(a,h)anthracene    | 26.140 | 278  | 82607    | 0.192 | ng    | 98       |
| 41) Benzo(g,h,i)perylene      | 26.849 | 276  | 83905    | 0.189 | ng    | 100      |
| -----                         |        |      |          |       |       |          |

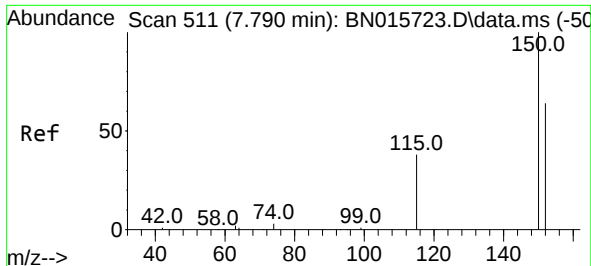
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073121\  
Data File : BN015734.D  
Acq On : 31 Jul 2021 14:25  
Operator : CG/JU  
Sample : M2262-01  
Misc : LOD-MDL-SOIL-0.2ng  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

Quant Time: Aug 02 04:27:08 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN073021.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 02 04:24:05 2021  
Response via : Initial Calibration

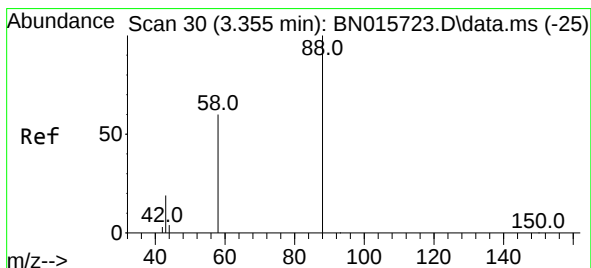
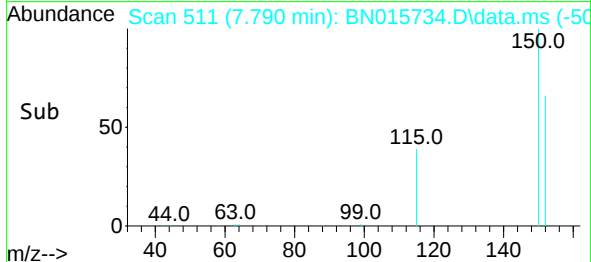
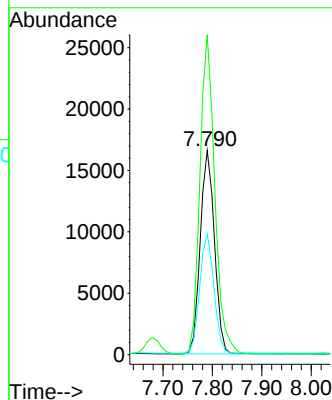
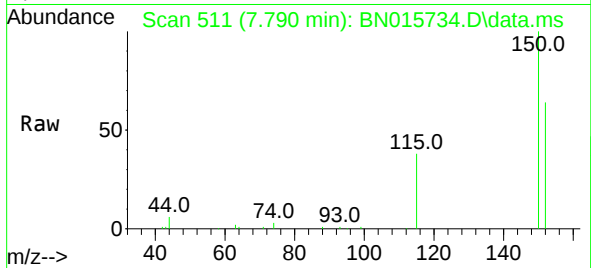




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.790 min Scan# 511  
 Delta R.T. -0.000 min  
 Lab File: BN015734.D  
 Acq: 31 Jul 2021 14:25

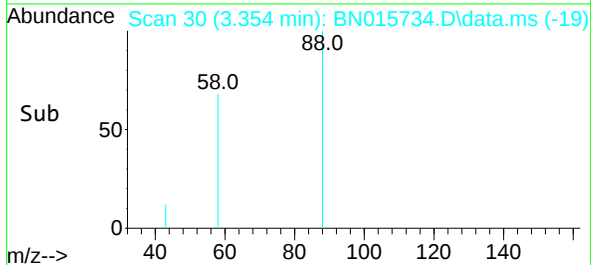
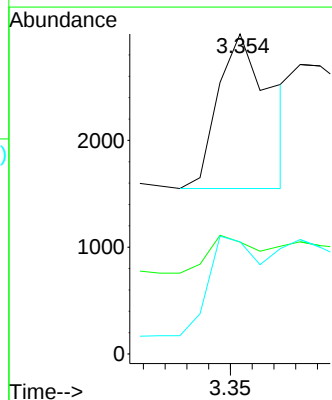
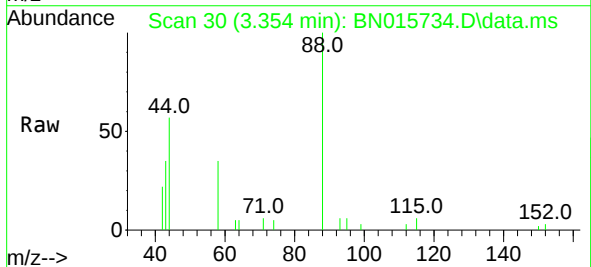
Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2021

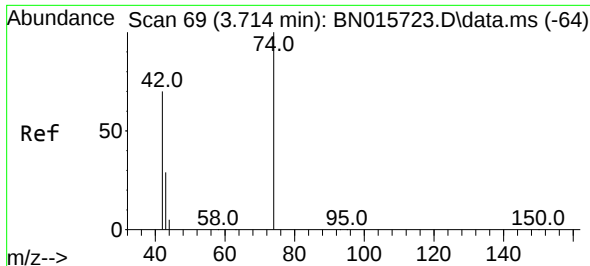
Tgt Ion:152 Resp: 32954  
 Ion Ratio Lower Upper  
 152 100  
 150 156.7 123.9 185.9  
 115 59.1 47.8 71.6



#2  
 1,4-Dioxane  
 Concen: 0.217 ng  
 RT: 3.354 min Scan# 30  
 Delta R.T. -0.000 min  
 Lab File: BN015734.D  
 Acq: 31 Jul 2021 14:25

Tgt Ion: 88 Resp: 2453  
 Ion Ratio Lower Upper  
 88 100  
 43 21.2 17.2 25.8  
 58 61.1 62.2 93.2#

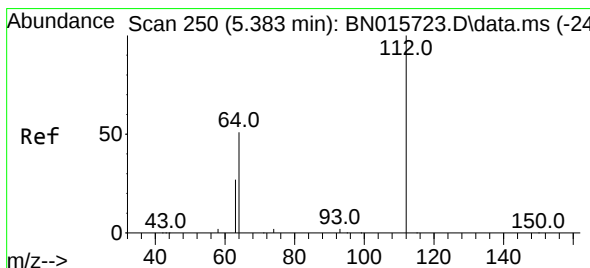
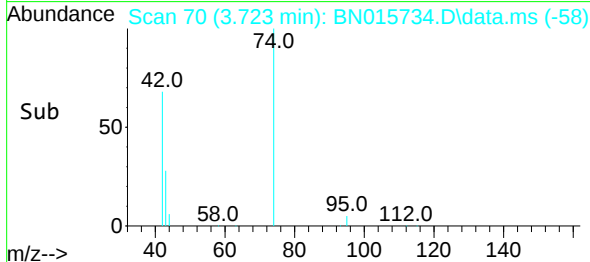
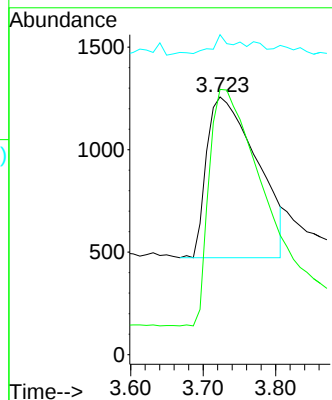
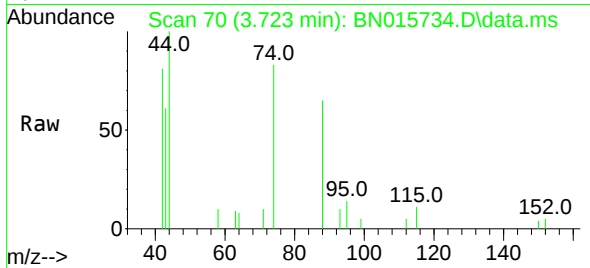




#3  
n-Nitrosodimethylamine  
Concen: 0.172 ng  
RT: 3.723 min Scan# 70  
Delta R.T. 0.009 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

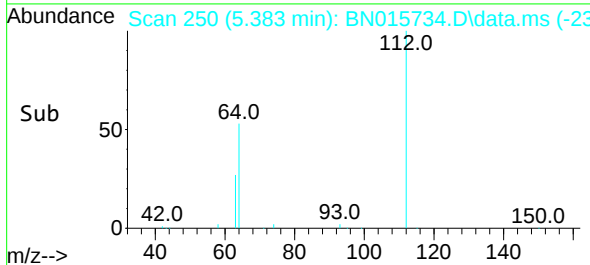
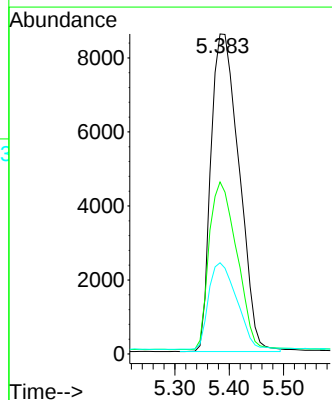
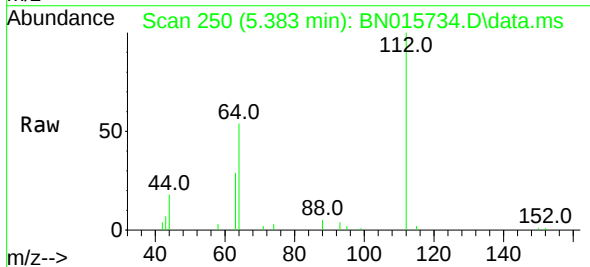
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

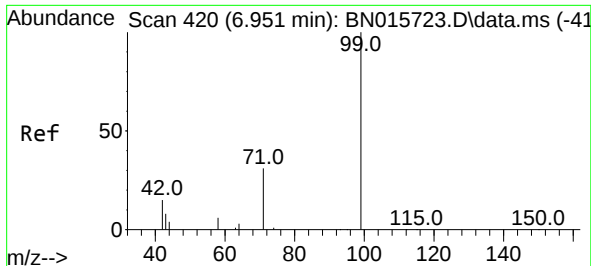
Tgt Ion: 42 Resp: 3769  
Ion Ratio Lower Upper  
42 100  
74 147.9 116.6 174.8  
44 3.9 6.6 10.0#



#4  
2-Fluorophenol  
Concen: 0.350 ng  
RT: 5.383 min Scan# 250  
Delta R.T. -0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

Tgt Ion: 112 Resp: 30960  
Ion Ratio Lower Upper  
112 100  
64 51.8 42.1 63.1  
63 27.1 21.9 32.9

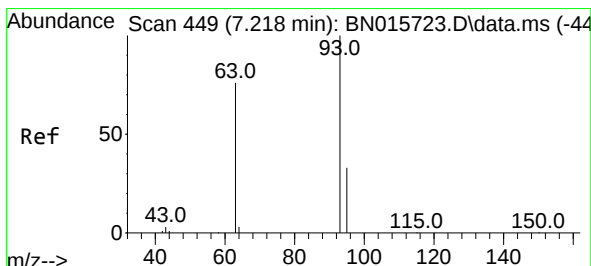
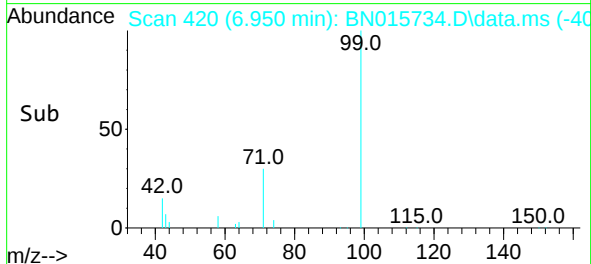
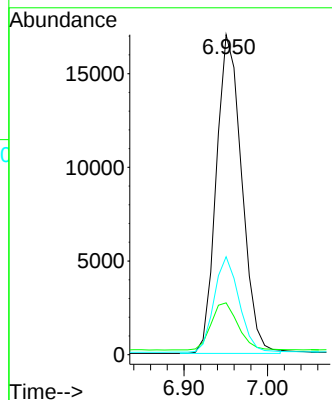
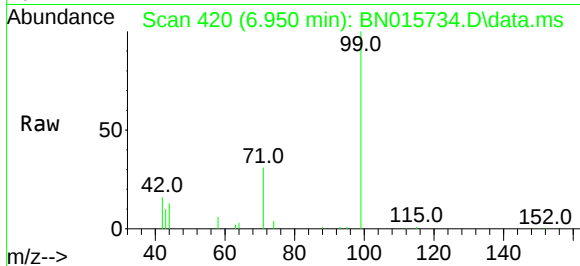




#5  
Phenol-d6  
Concen: 0.335 ng  
RT: 6.950 min Scan# 420  
Delta R.T. -0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

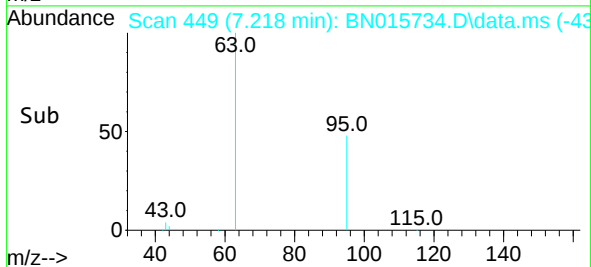
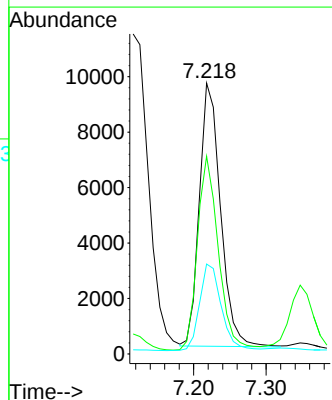
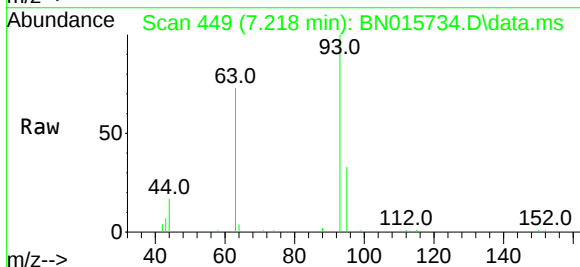
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

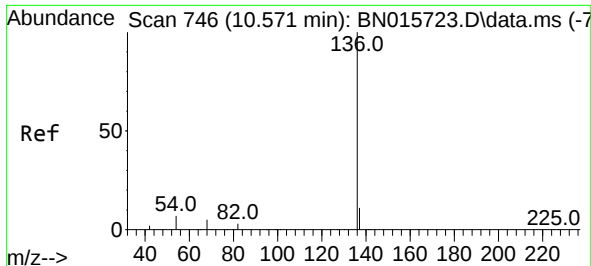
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 35913 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 15.6  | 12.9  | 19.3  |
| 71       | 29.4  | 23.8  | 35.6  |



#6  
bis(2-Chloroethyl)ether  
Concen: 0.220 ng  
RT: 7.218 min Scan# 449  
Delta R.T. -0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 19303 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 73.0  | 58.6  | 87.8  |
| 95       | 33.7  | 26.9  | 40.3  |

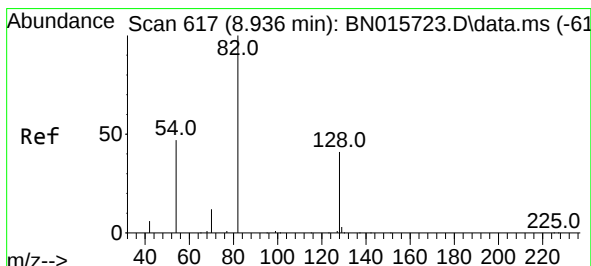
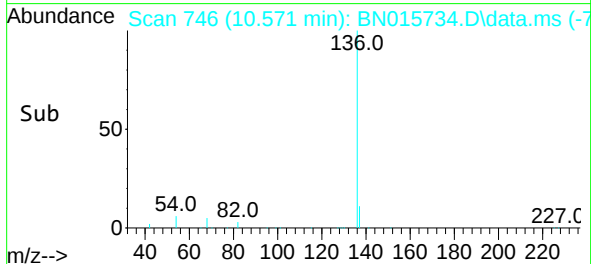
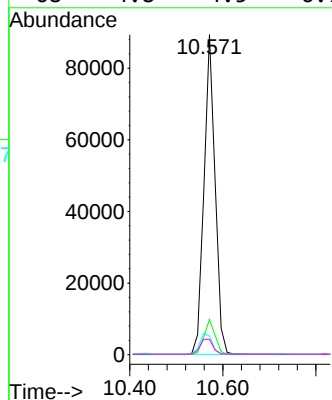
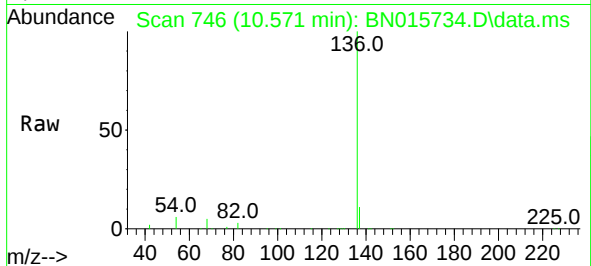




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.571 min Scan# 746  
Delta R.T. -0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

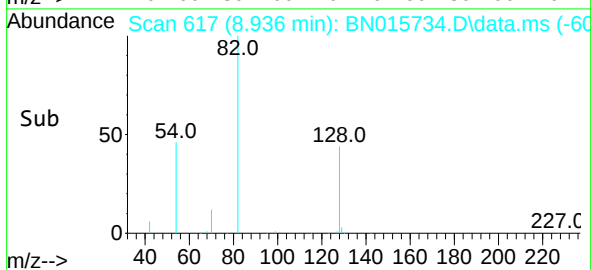
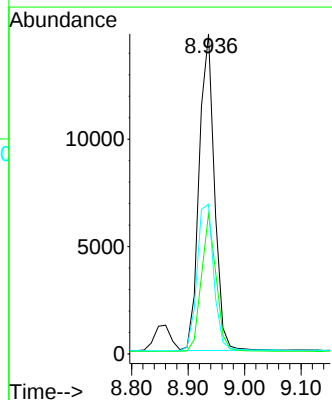
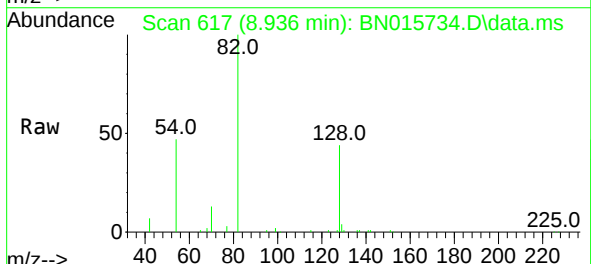
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

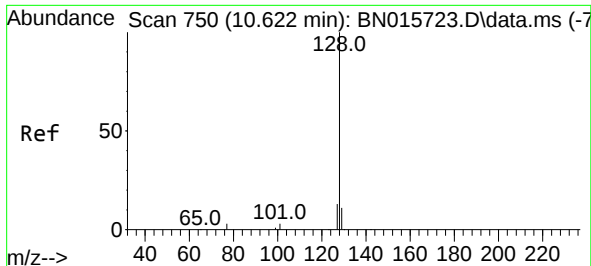
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 148355 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.7   | 13.1   |
| 54       | 5.9   | 5.5   | 8.3    |
| 68       | 4.8   | 4.5   | 6.7    |



#8  
Nitrobenzene-d5  
Concen: 0.298 ng  
RT: 8.936 min Scan# 617  
Delta R.T. -0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 27772 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 43.9  | 33.2  | 49.8  |
| 54       | 46.8  | 38.4  | 57.6  |

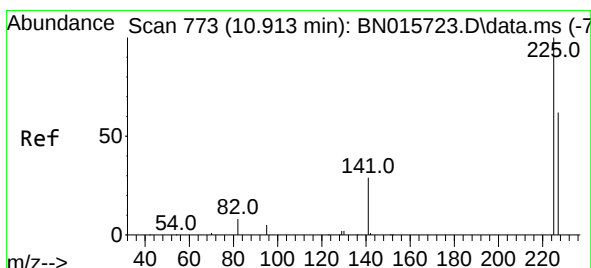
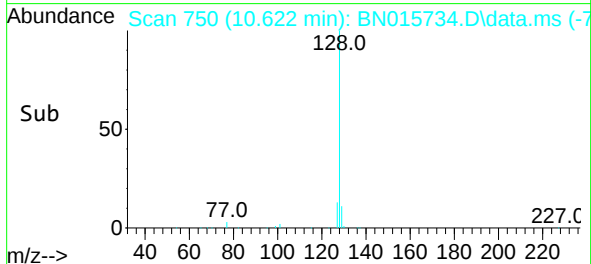
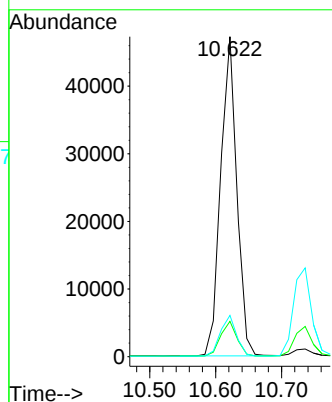
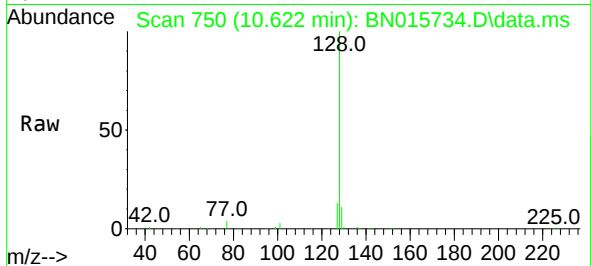




#9  
Naphthalene  
Concen: 0.207 ng  
RT: 10.622 min Scan# 750  
Delta R.T. -0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

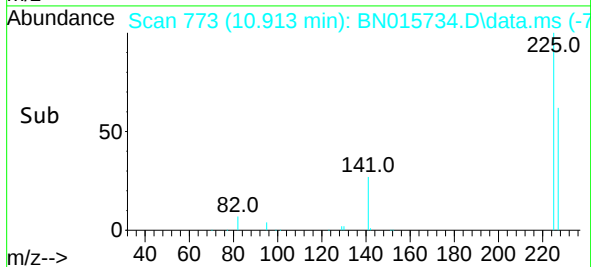
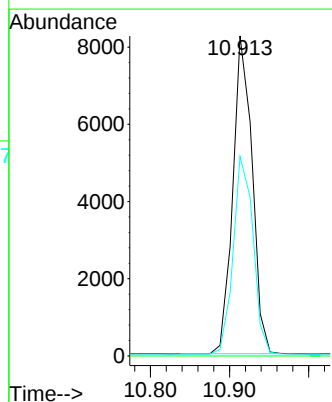
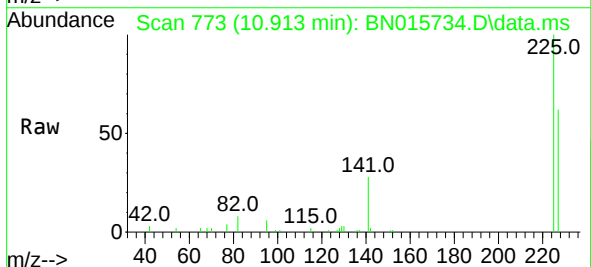
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

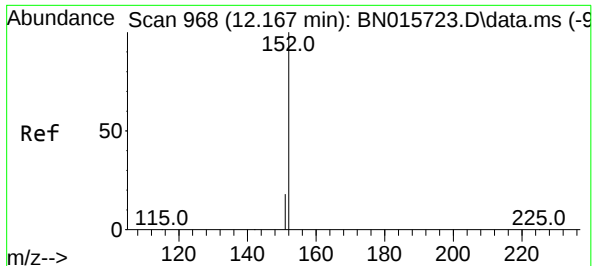
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 80165 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.1  | 8.9   | 13.3  |
| 127       | 12.9  | 10.4  | 15.6  |



#10  
Hexachlorobutadiene  
Concen: 0.205 ng  
RT: 10.913 min Scan# 773  
Delta R.T. -0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 13938 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 0.0   | 0.0   | 0.0   |
| 227       | 63.9  | 51.0  | 76.4  |

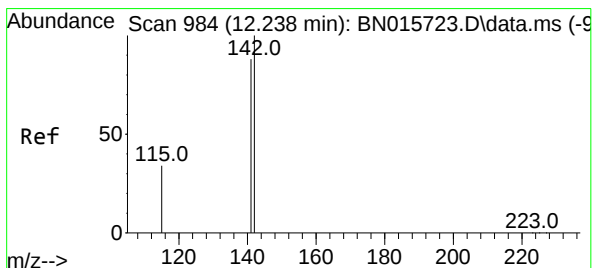
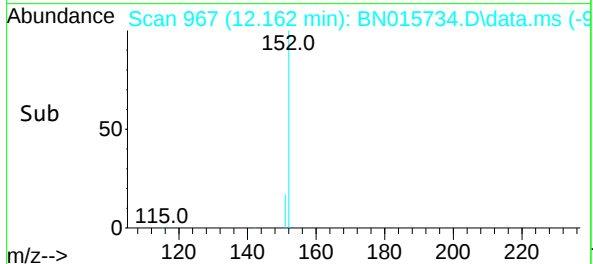
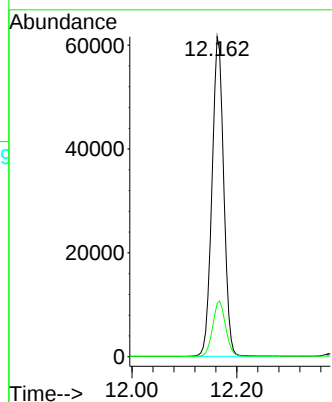
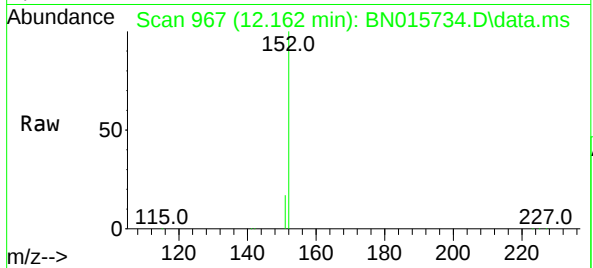




#11  
2-Methylnaphthalene-d10  
Concen: 0.428 ng  
RT: 12.162 min Scan# 967  
Delta R.T. -0.005 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

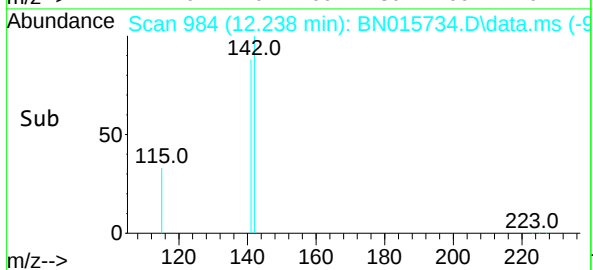
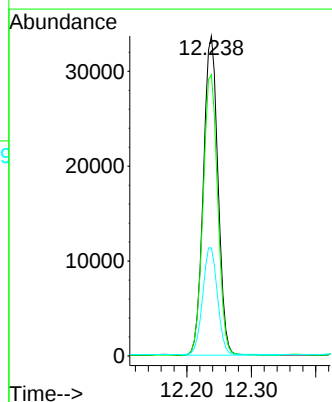
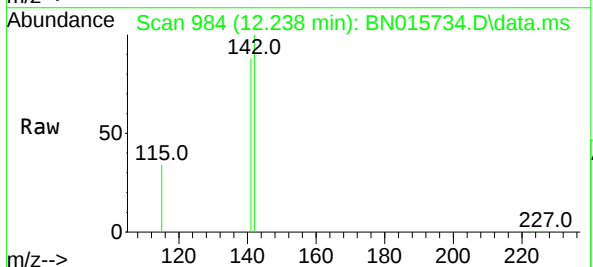
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

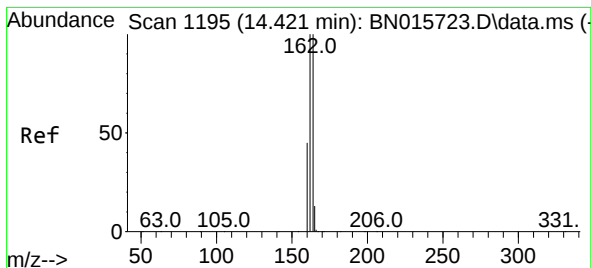
Tgt Ion:152 Resp: 95561  
Ion Ratio Lower Upper  
152 100  
151 18.9 16.2 24.4



#12  
2-Methylnaphthalene  
Concen: 0.211 ng  
RT: 12.238 min Scan# 984  
Delta R.T. -0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

Tgt Ion:142 Resp: 52971  
Ion Ratio Lower Upper  
142 100  
141 87.9 70.5 105.7  
115 33.8 27.3 40.9

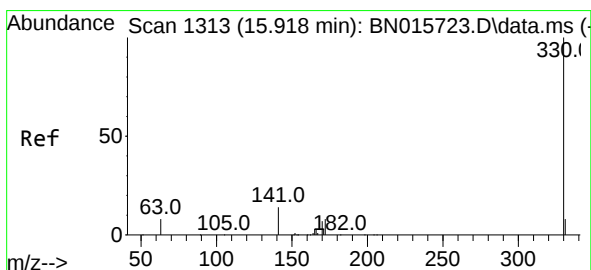
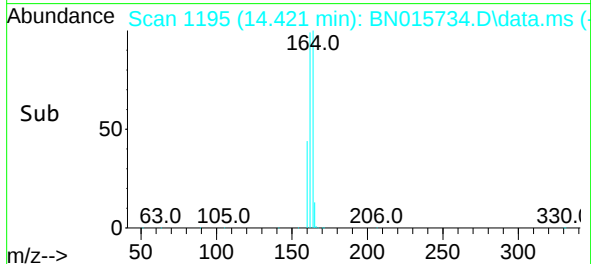
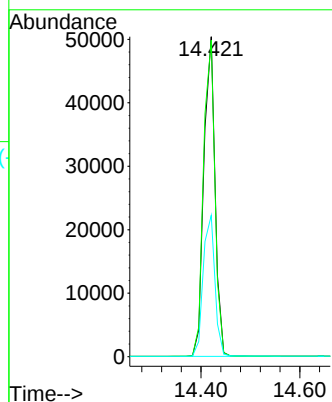
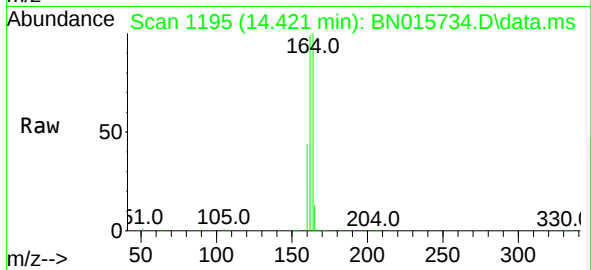




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.421 min Scan# 1195  
Delta R.T. -0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

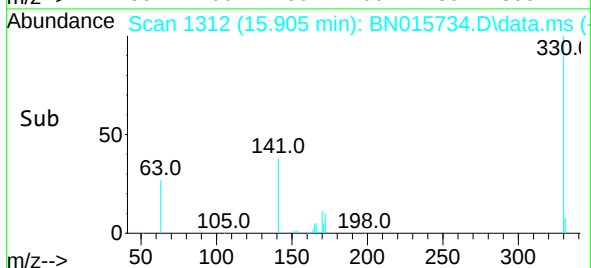
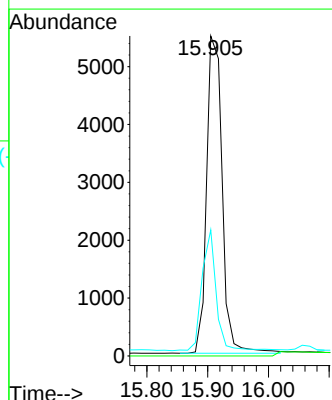
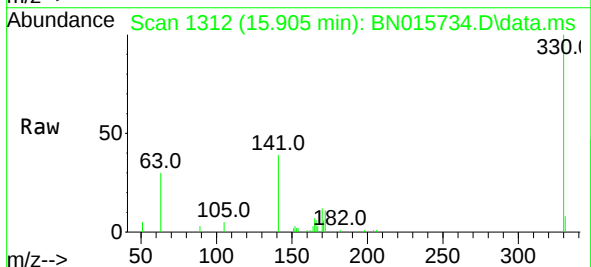
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

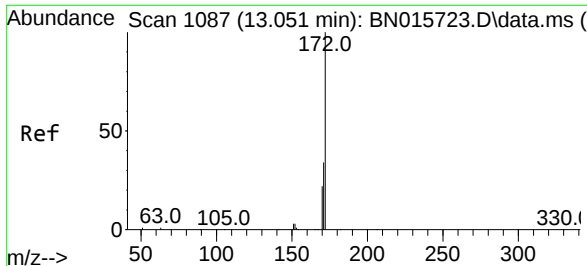
Tgt Ion:164 Resp: 79220  
Ion Ratio Lower Upper  
164 100  
162 98.9 79.8 119.6  
160 44.1 35.8 53.6



#14  
2,4,6-Tribromophenol  
Concen: 0.286 ng  
RT: 15.905 min Scan# 1312  
Delta R.T. -0.013 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

Tgt Ion:330 Resp: 9775  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 34.9 28.8 43.2

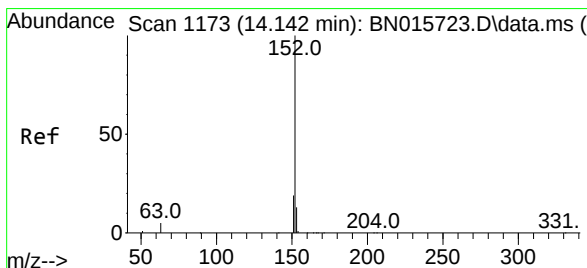
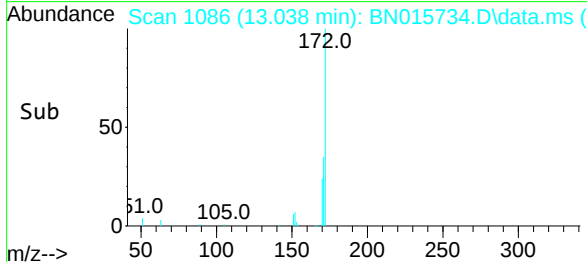
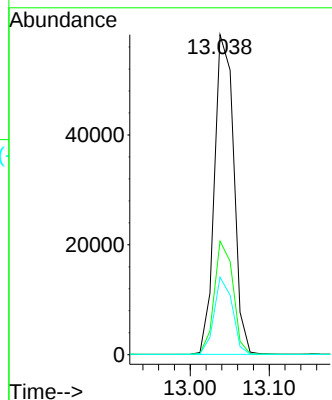
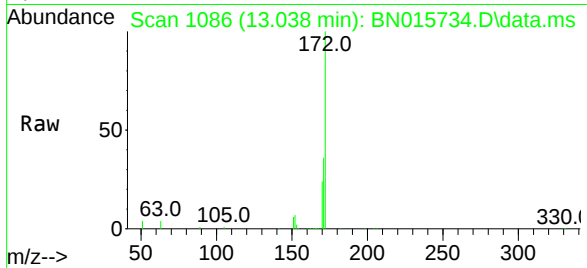




#15  
2-Fluorobiphenyl  
Concen: 0.326 ng  
RT: 13.038 min Scan# 1086  
Delta R.T. -0.013 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

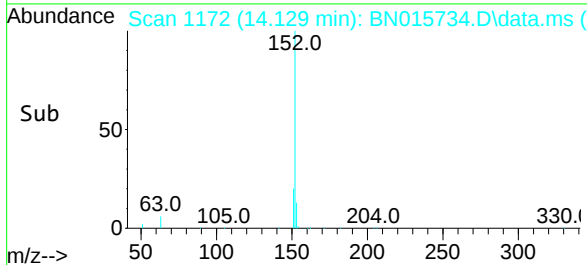
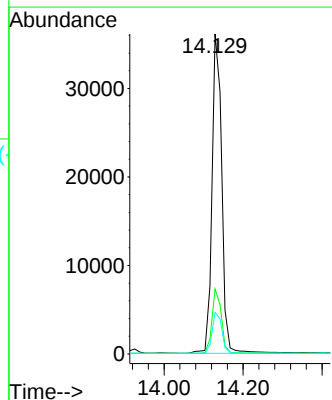
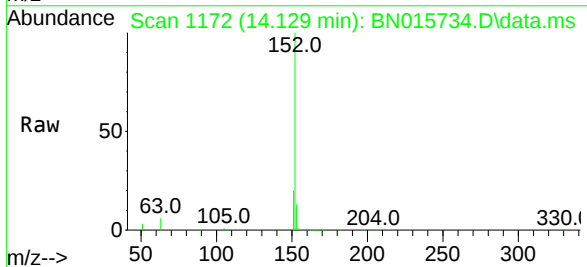
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

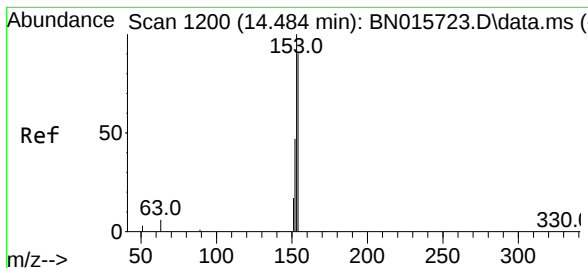
Tgt Ion:172 Resp: 98753  
Ion Ratio Lower Upper  
172 100  
171 35.5 26.9 40.3  
170 24.2 17.4 26.0



#16  
Acenaphthylene  
Concen: 0.178 ng  
RT: 14.129 min Scan# 1172  
Delta R.T. -0.013 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

Tgt Ion:152 Resp: 61870  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.7 23.5  
153 13.0 10.4 15.6

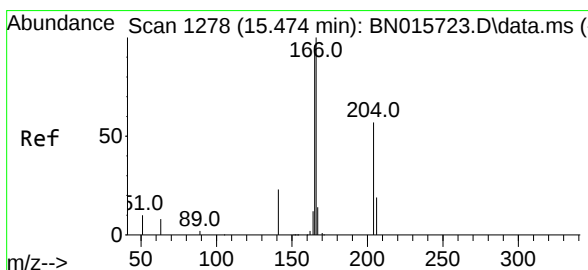
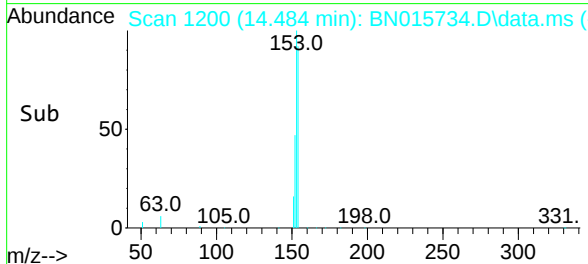
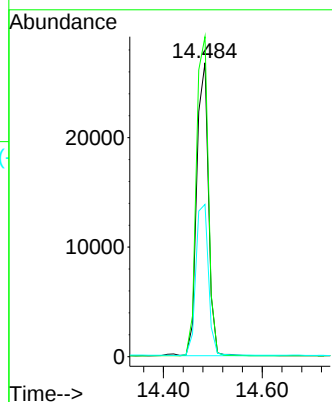
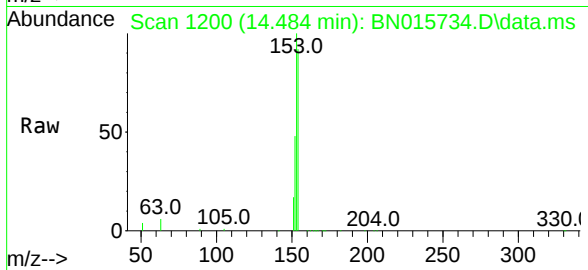




#17  
Acenaphthene  
Concen: 0.195 ng  
RT: 14.484 min Scan# 1200  
Delta R.T. 0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

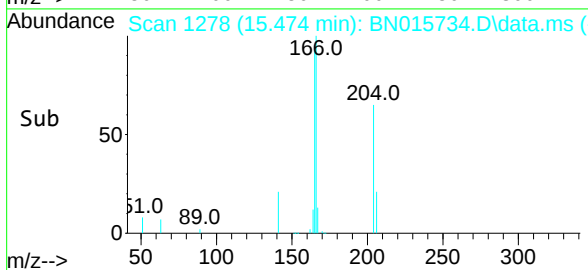
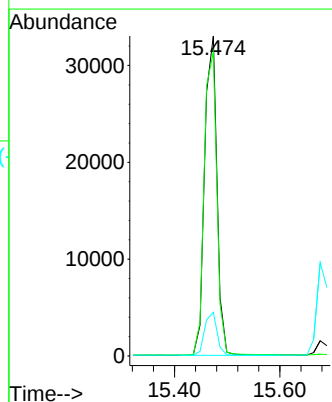
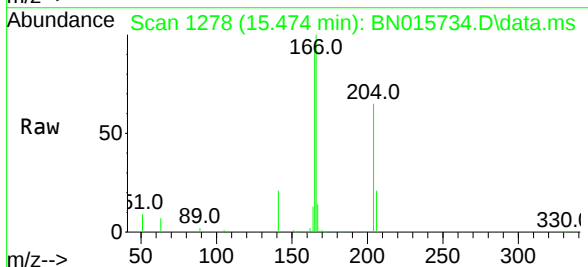
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

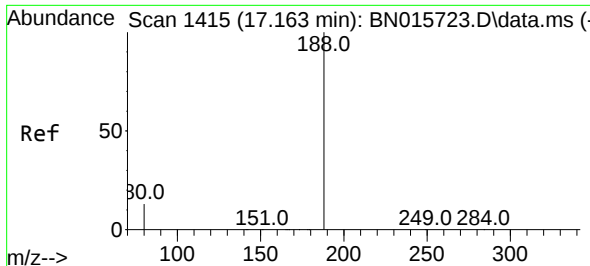
Tgt Ion:154 Resp: 44131  
Ion Ratio Lower Upper  
154 100  
153 112.1 89.7 134.5  
152 55.2 43.8 65.6



#18  
Fluorene  
Concen: 0.193 ng  
RT: 15.474 min Scan# 1278  
Delta R.T. -0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

Tgt Ion:166 Resp: 53347  
Ion Ratio Lower Upper  
166 100  
165 98.0 78.1 117.1  
167 13.5 10.8 16.2

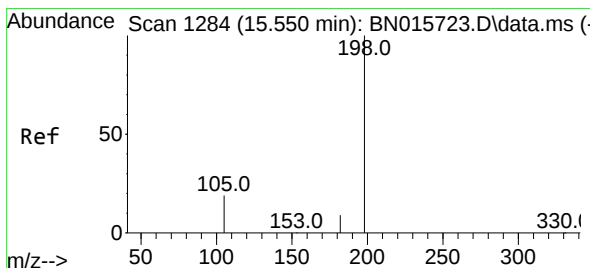
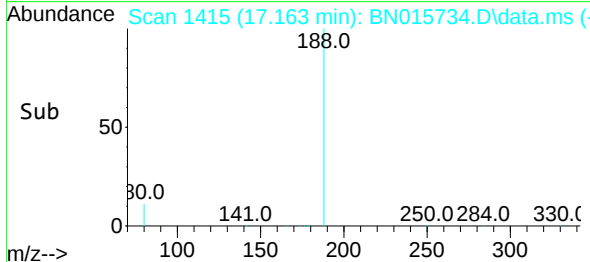
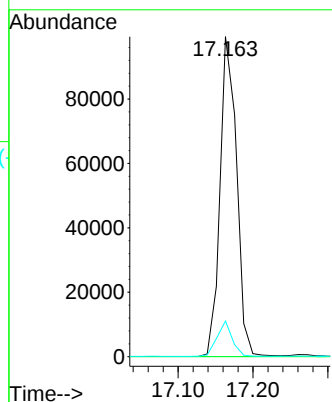
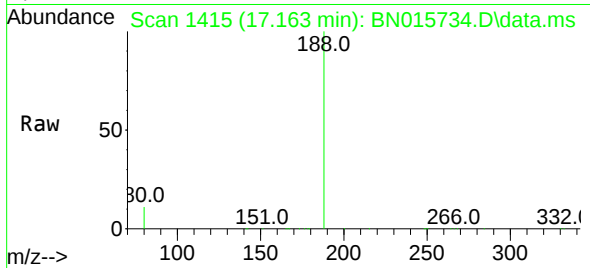




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.163 min Scan# 1415  
Delta R.T. 0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

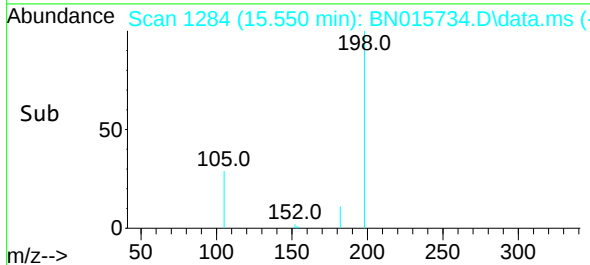
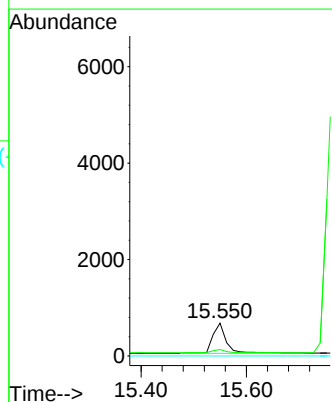
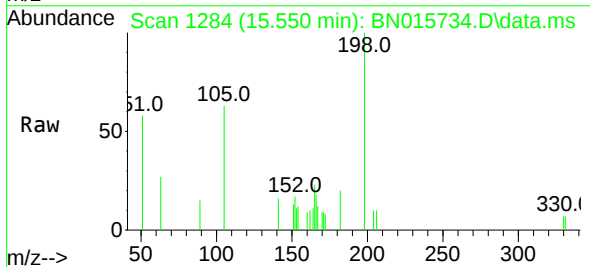
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

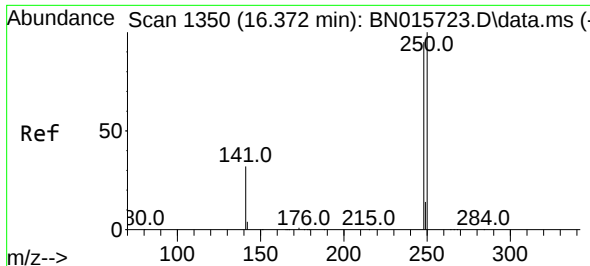
Tgt Ion:188 Resp: 152720  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.2 10.2 15.4



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.095 ng  
RT: 15.550 min Scan# 1284  
Delta R.T. -0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

Tgt Ion:198 Resp: 1120  
Ion Ratio Lower Upper  
198 100  
182 19.6 9.4 14.0#  
77 0.0 0.0 0.0

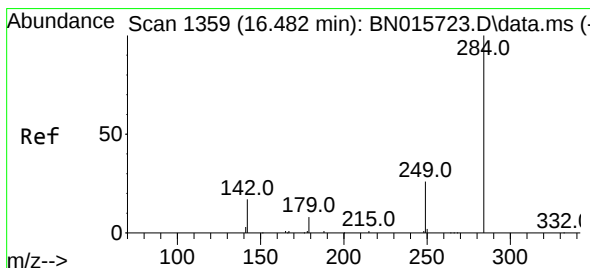
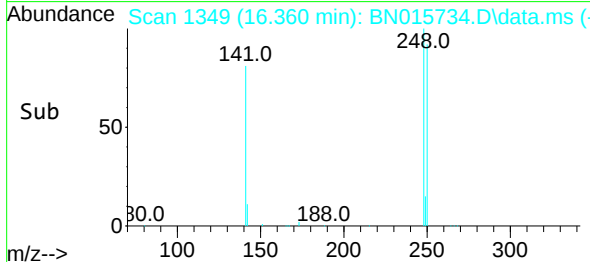
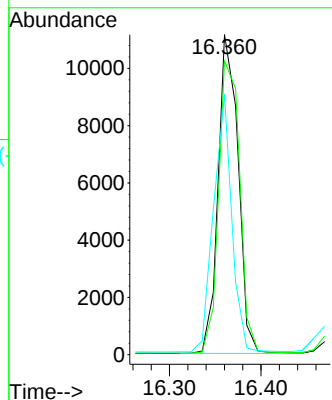
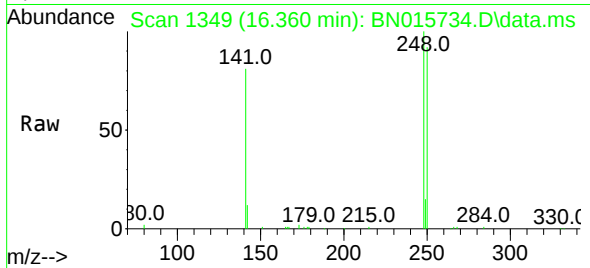




#21  
4-Bromophenyl-phenylether  
Concen: 0.189 ng  
RT: 16.360 min Scan# 1349  
Delta R.T. -0.012 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

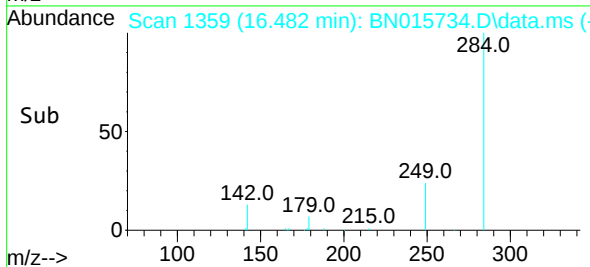
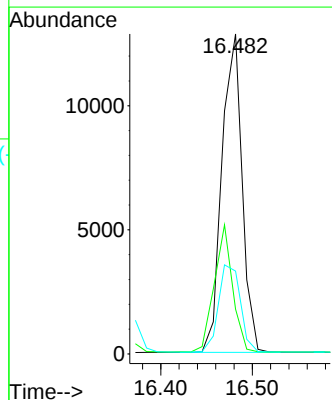
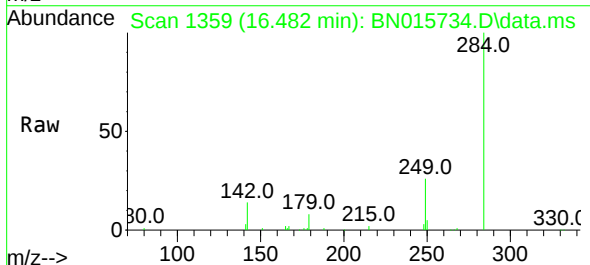
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

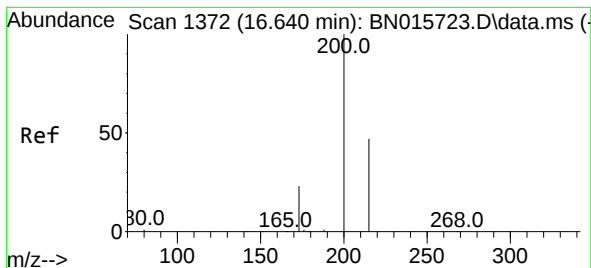
Tgt Ion:248 Resp: 16891  
Ion Ratio Lower Upper  
248 100  
250 91.8 83.9 125.9  
141 81.4 26.9 40.3#



#22  
Hexachlorobenzene  
Concen: 0.199 ng  
RT: 16.482 min Scan# 1359  
Delta R.T. -0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

Tgt Ion:284 Resp: 19627  
Ion Ratio Lower Upper  
284 100  
142 36.2 29.4 44.0  
249 29.8 23.8 35.6





#23

Atrazine

Concen: 0.186 ng

RT: 16.640 min Scan# 1372

Delta R.T. -0.000 min

Lab File: BN015734.D

Acq: 31 Jul 2021 14:25

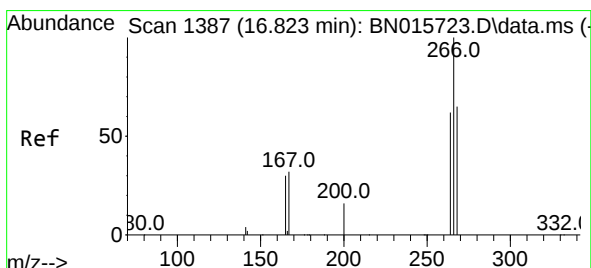
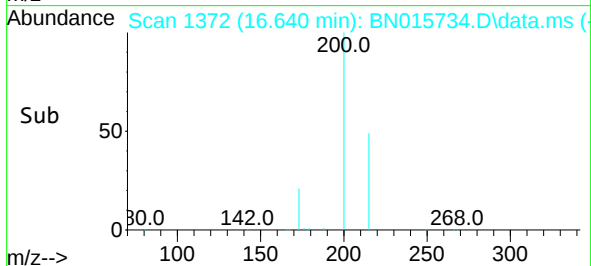
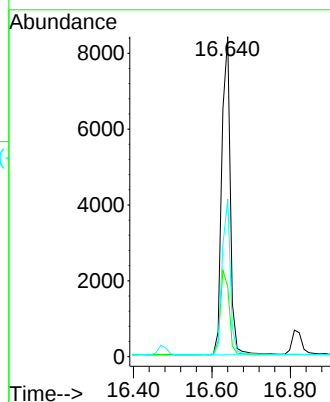
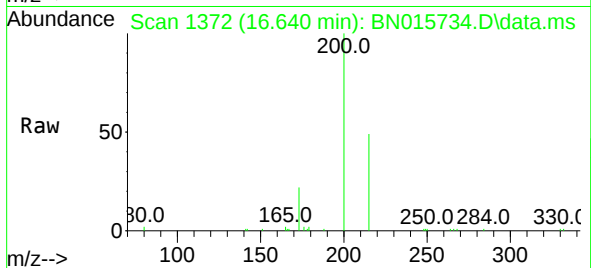
Tgt Ion:200 Resp: 12679

Ion Ratio Lower Upper

200 100

173 21.9 18.9 28.3

215 49.2 38.1 57.1



#24

Pentachlorophenol

Concen: 0.179 ng

RT: 16.822 min Scan# 1387

Delta R.T. -0.001 min

Lab File: BN015734.D

Acq: 31 Jul 2021 14:25

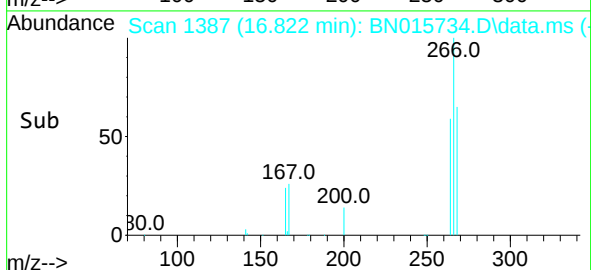
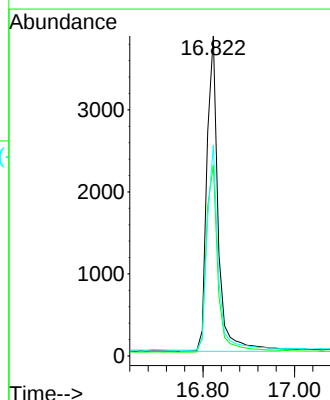
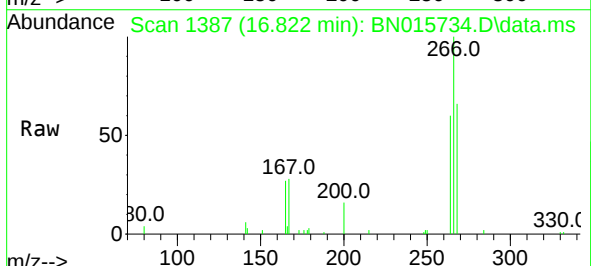
Tgt Ion:266 Resp: 6606

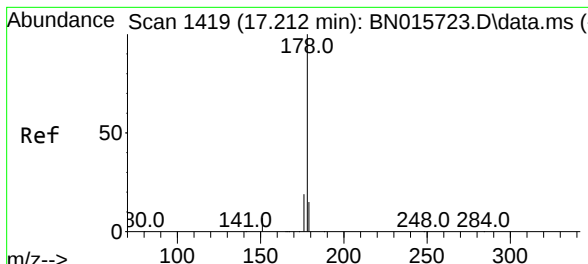
Ion Ratio Lower Upper

266 100

264 61.6 50.2 75.2

268 64.0 51.1 76.7

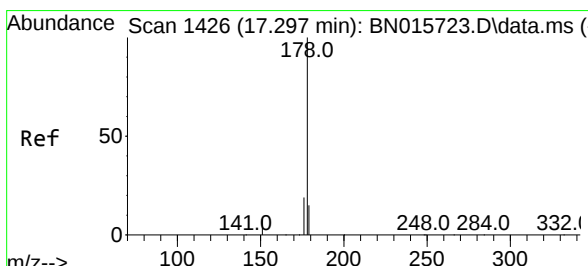
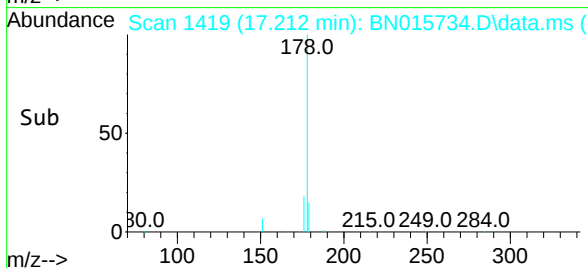
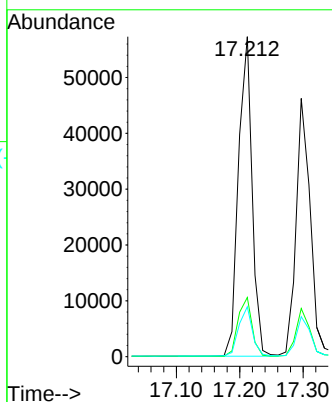
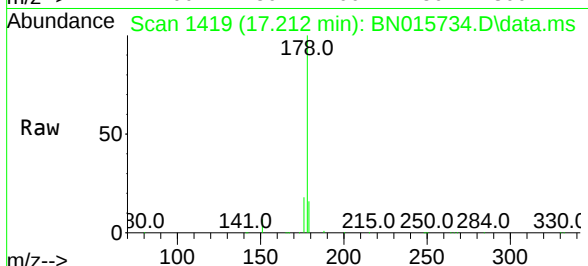




#25  
 Phenanthrene  
 Concen: 0.196 ng  
 RT: 17.212 min Scan# 1419  
 Delta R.T. -0.000 min  
 Lab File: BN015734.D  
 Acq: 31 Jul 2021 14:25

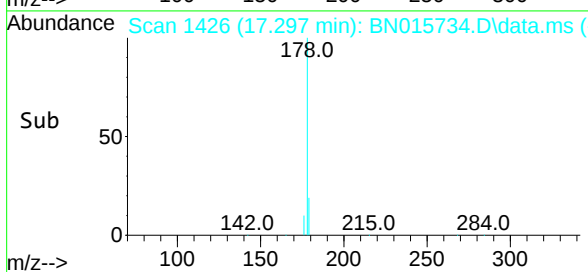
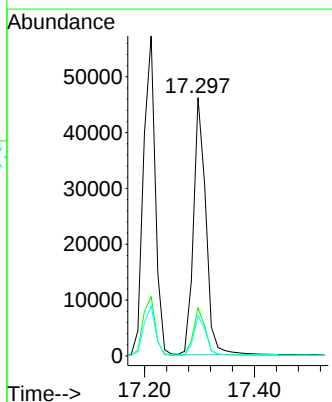
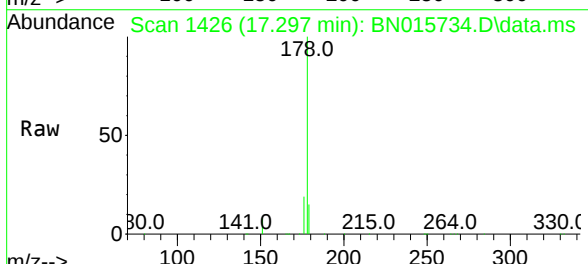
Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2021

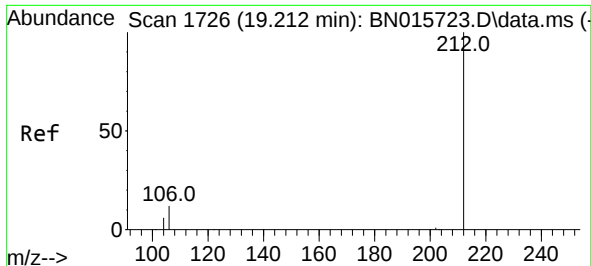
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 85846 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 18.8  | 15.3  | 22.9  |
| 179       | 15.5  | 12.4  | 18.6  |



#26  
 Anthracene  
 Concen: 0.182 ng  
 RT: 17.297 min Scan# 1426  
 Delta R.T. -0.000 min  
 Lab File: BN015734.D  
 Acq: 31 Jul 2021 14:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 71913 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 18.3  | 14.6  | 22.0  |
| 179       | 15.4  | 12.2  | 18.4  |

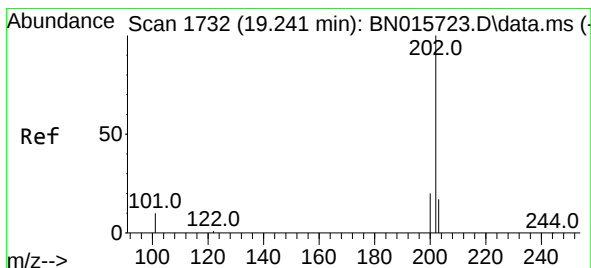
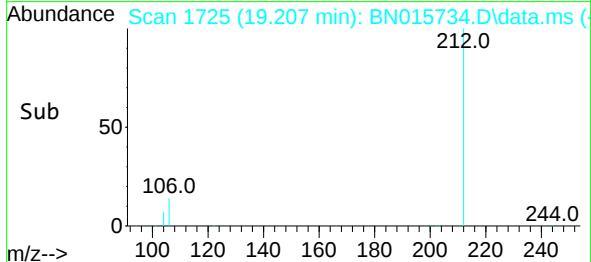
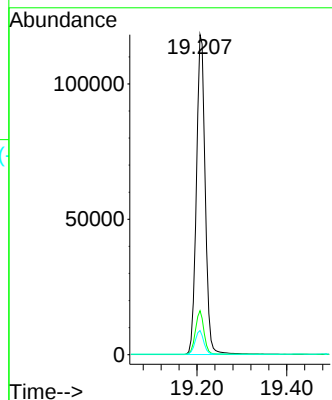
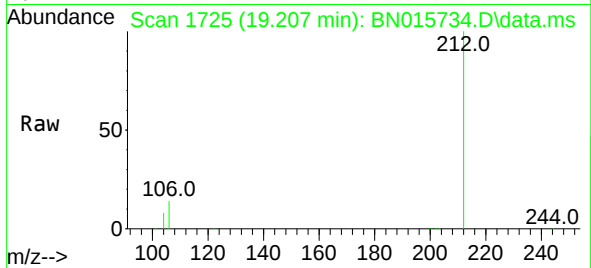




#27  
Fluoranthene-d10  
Concen: 0.403 ng  
RT: 19.207 min Scan# 1725  
Delta R.T. -0.005 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

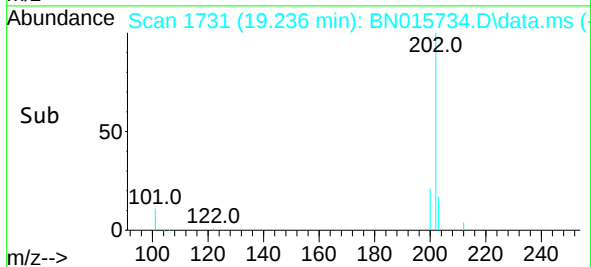
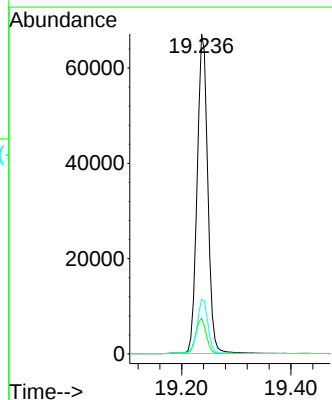
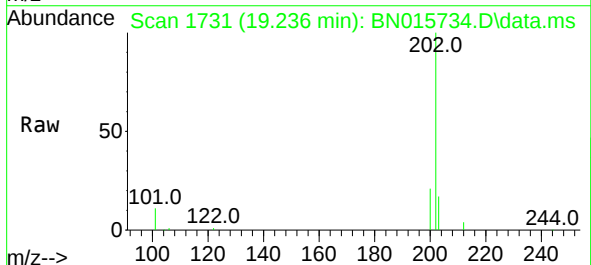
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

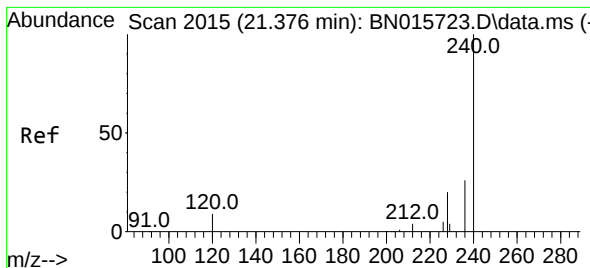
Tgt Ion:212 Resp: 162309  
Ion Ratio Lower Upper  
212 100  
106 13.3 10.6 16.0  
104 7.3 5.9 8.9



#28  
Fluoranthene  
Concen: 0.193 ng  
RT: 19.236 min Scan# 1731  
Delta R.T. -0.005 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

Tgt Ion:202 Resp: 90198  
Ion Ratio Lower Upper  
202 100  
101 11.2 9.0 13.6  
203 17.2 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.376 min Scan# 2015

Delta R.T. -0.000 min

Lab File: BN015734.D

Acq: 31 Jul 2021 14:25

Tgt Ion:240 Resp: 140613

Ion Ratio Lower Upper

240 100

120 7.4 7.4 11.0

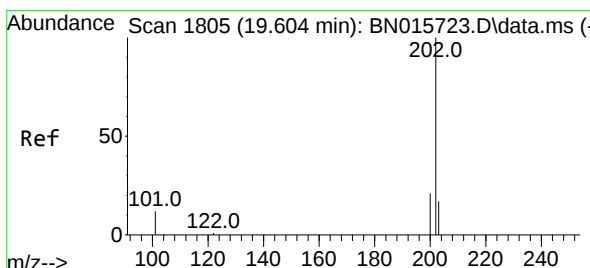
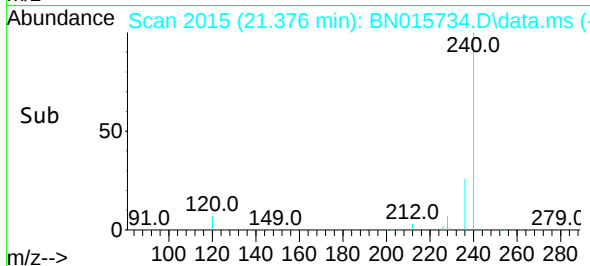
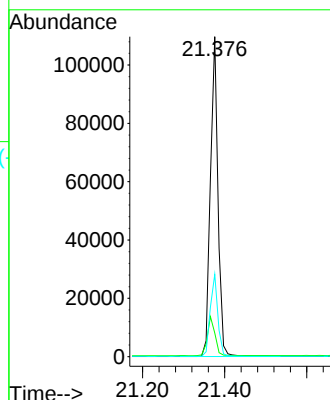
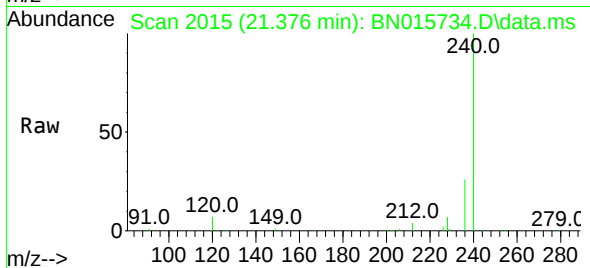
236 25.7 20.9 31.3

Instrument :

BNA\_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2021



#30

Pyrene

Concen: 0.188 ng

RT: 19.599 min Scan# 1804

Delta R.T. -0.005 min

Lab File: BN015734.D

Acq: 31 Jul 2021 14:25

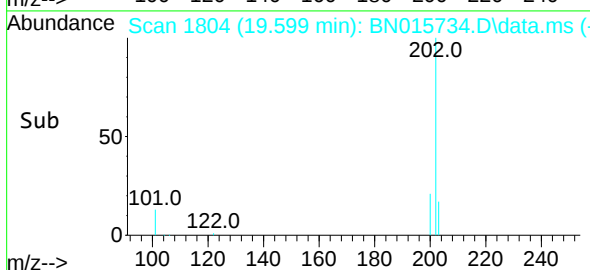
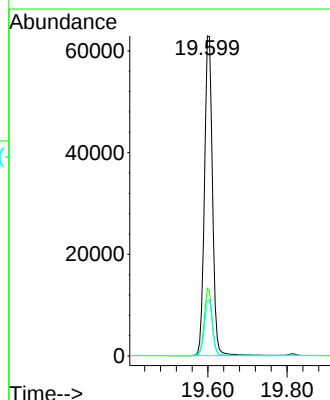
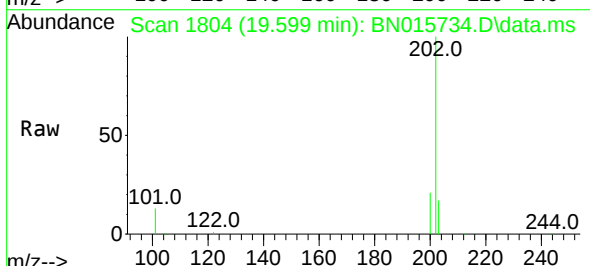
Tgt Ion:202 Resp: 88133

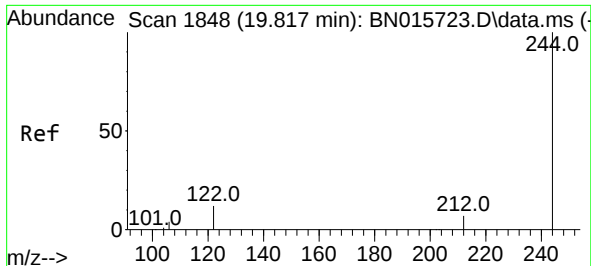
Ion Ratio Lower Upper

202 100

200 20.7 16.5 24.7

203 17.6 14.0 21.0

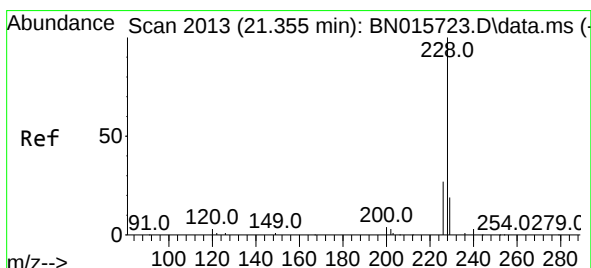
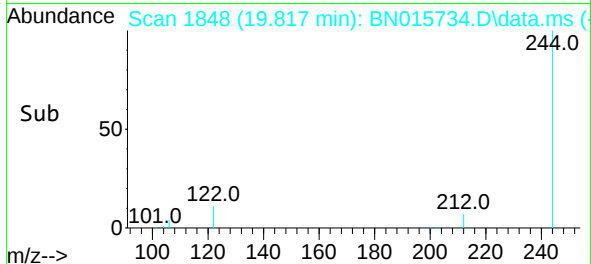
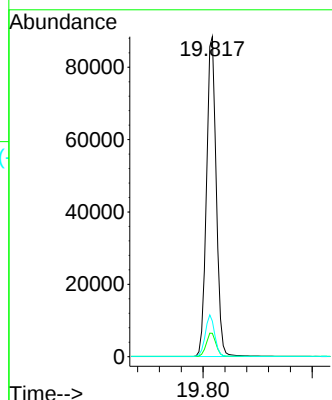
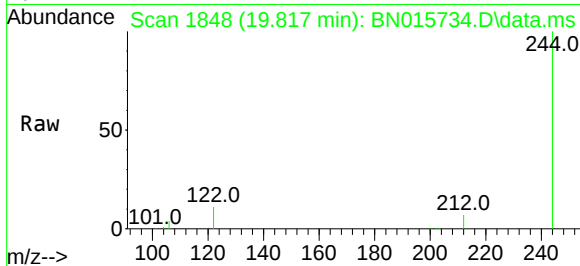




#31  
Terphenyl-d14  
Concen: 0.322 ng  
RT: 19.817 min Scan# 1848  
Delta R.T. -0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

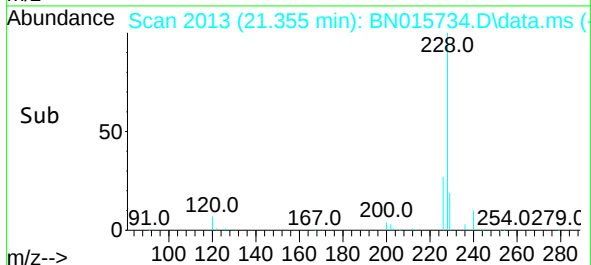
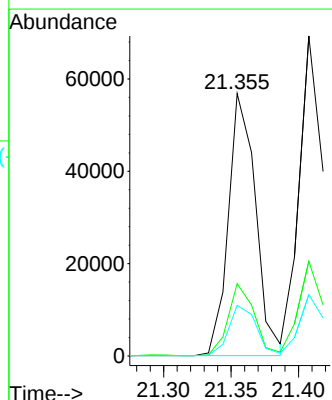
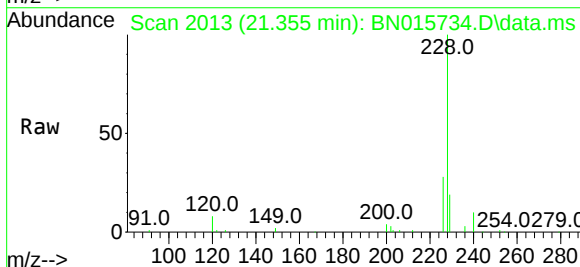
Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2021

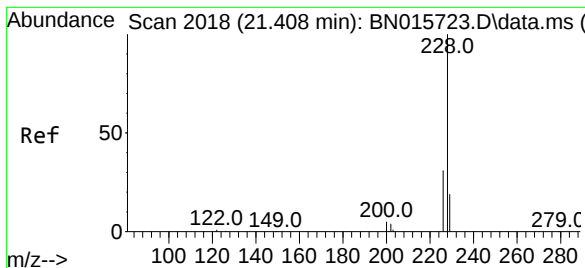
Tgt Ion:244 Resp: 110083  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.9 8.9  
122 11.1 9.6 14.4



#32  
Benzo(a)anthracene  
Concen: 0.178 ng  
RT: 21.355 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: BN015734.D  
Acq: 31 Jul 2021 14:25

Tgt Ion:228 Resp: 79726  
Ion Ratio Lower Upper  
228 100  
226 27.6 21.9 32.9  
229 19.3 15.4 23.0





#33

Chrysene

Concen: 0.193 ng

RT: 21.408 min Scan# 2018

Delta R.T. -0.000 min

Lab File: BN015734.D

Acq: 31 Jul 2021 14:25

Instrument :

BNA\_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2021

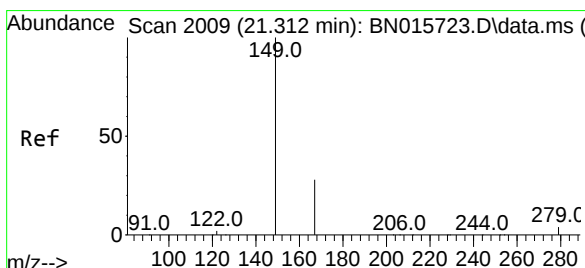
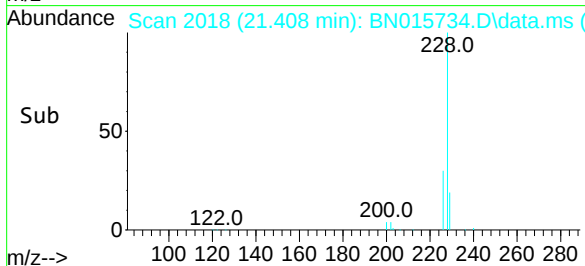
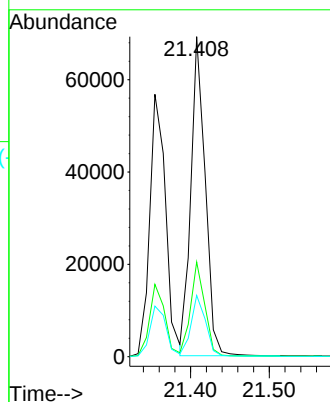
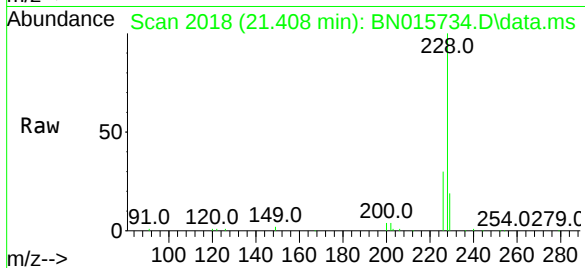
Tgt Ion:228 Resp: 87726

Ion Ratio Lower Upper

228 100

226 29.6 24.3 36.5

229 19.1 15.3 22.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.112 ng

RT: 21.301 min Scan# 2008

Delta R.T. -0.011 min

Lab File: BN015734.D

Acq: 31 Jul 2021 14:25

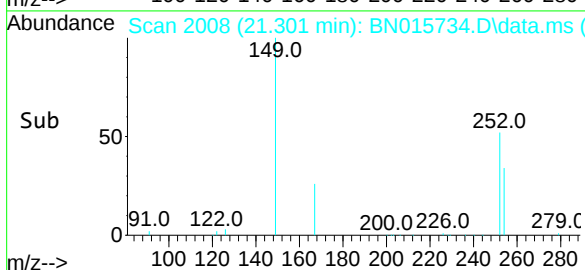
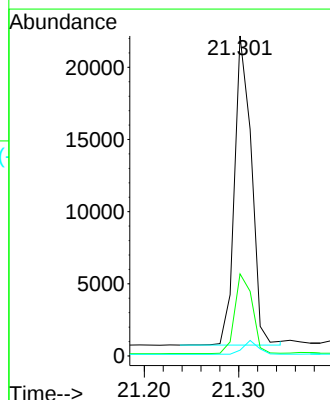
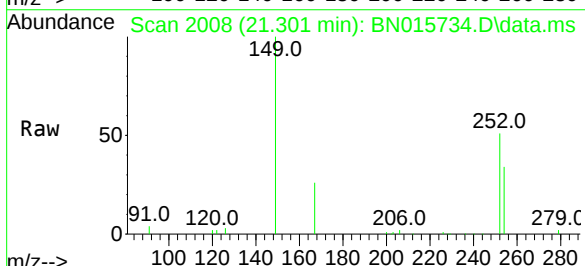
Tgt Ion:149 Resp: 26630

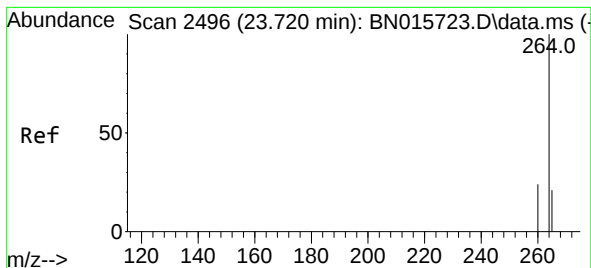
Ion Ratio Lower Upper

149 100

167 26.8 21.5 32.3

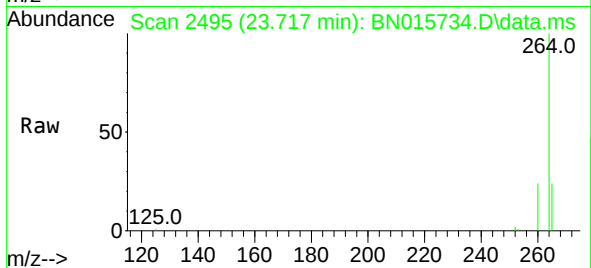
279 4.1 3.2 4.8



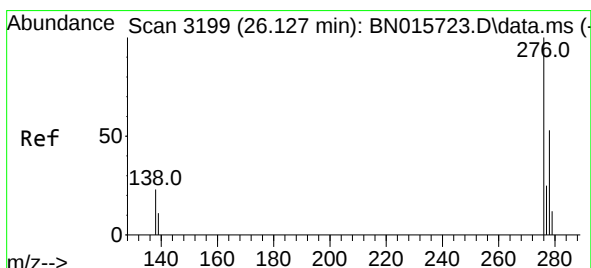
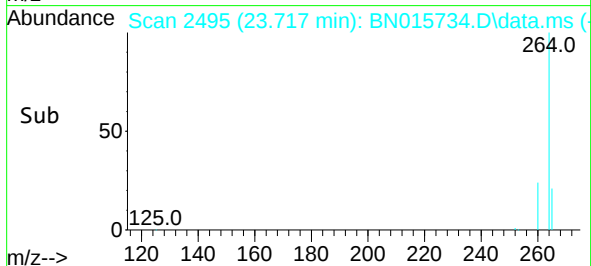
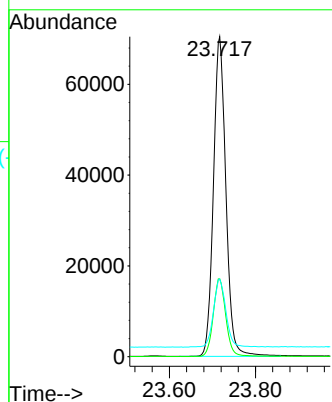


#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.717 min Scan# 2495  
 Delta R.T. -0.003 min  
 Lab File: BN015734.D  
 Acq: 31 Jul 2021 14:25

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2021

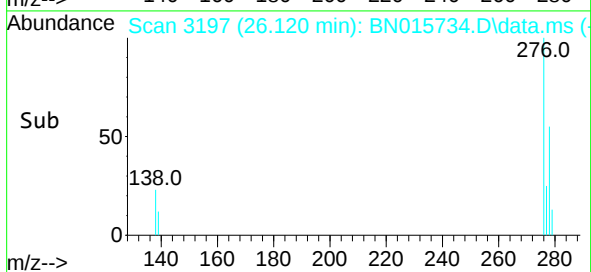
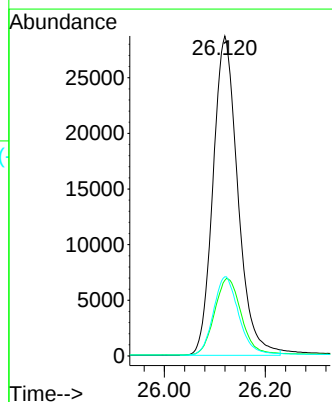
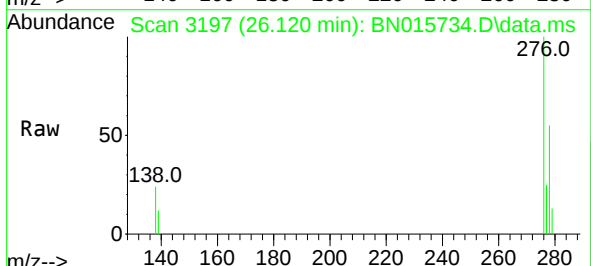


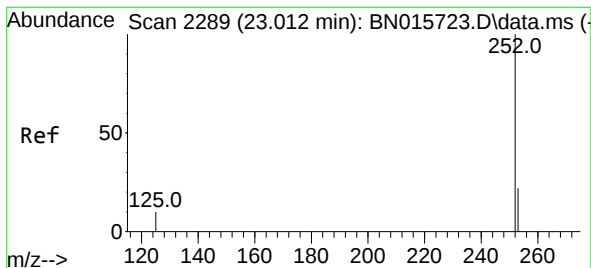
Tgt Ion:264 Resp: 141550  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.4 29.2  
 265 24.3 19.9 29.9



#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.192 ng  
 RT: 26.120 min Scan# 3197  
 Delta R.T. -0.007 min  
 Lab File: BN015734.D  
 Acq: 31 Jul 2021 14:25

Tgt Ion:276 Resp: 97750  
 Ion Ratio Lower Upper  
 276 100  
 138 25.9 20.6 30.8  
 277 25.1 20.1 30.1





#37

Benzo(b)fluoranthene

Concen: 0.196 ng

RT: 23.008 min Scan# 2288

Delta R.T. -0.004 min

Lab File: BN015734.D

Acq: 31 Jul 2021 14:25

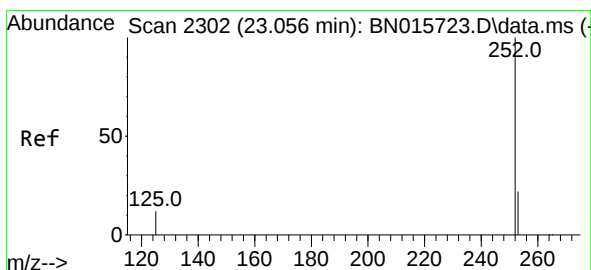
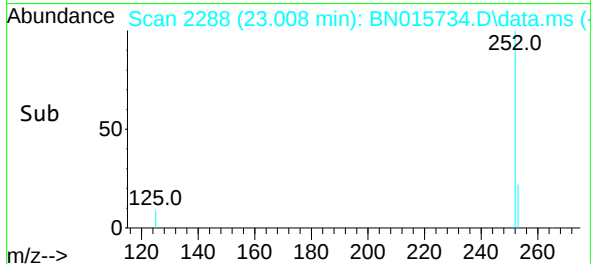
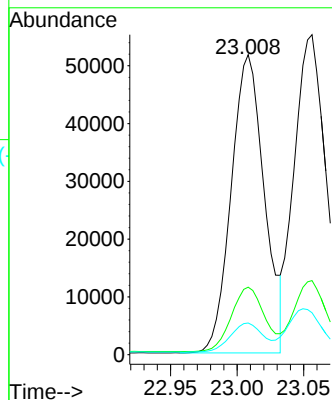
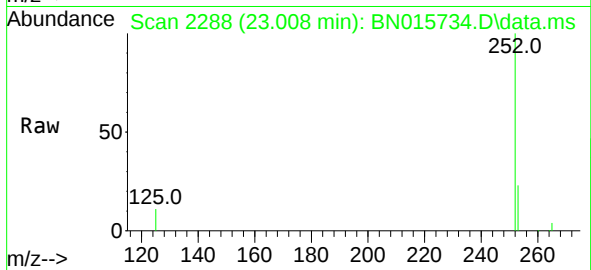
Tgt Ion:252 Resp: 89402

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

125 10.6 8.3 12.5



#38

Benzo(k)fluoranthene

Concen: 0.194 ng

RT: 23.056 min Scan# 2302

Delta R.T. -0.000 min

Lab File: BN015734.D

Acq: 31 Jul 2021 14:25

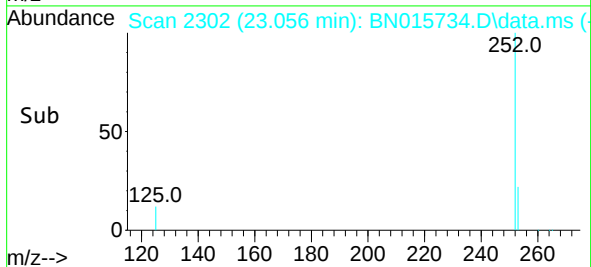
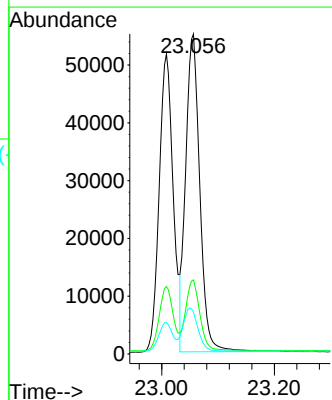
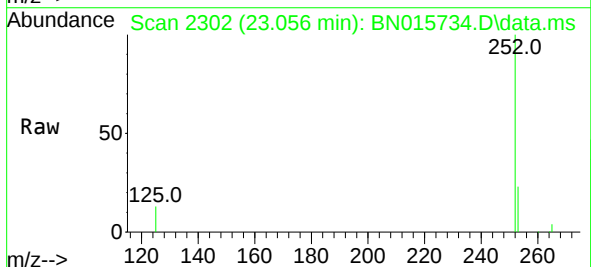
Tgt Ion:252 Resp: 95196

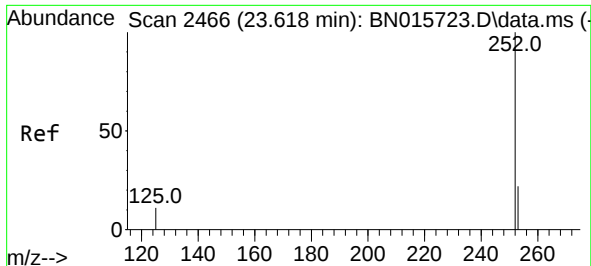
Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

125 13.1 10.4 15.6





#39

Benzo(a)pyrene

Concen: 0.185 ng

RT: 23.611 min Scan# 2464

Delta R.T. -0.007 min

Lab File: BN015734.D

Acq: 31 Jul 2021 14:25

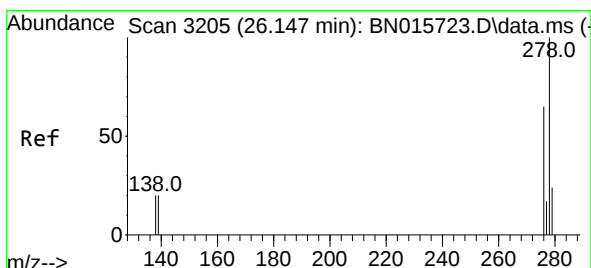
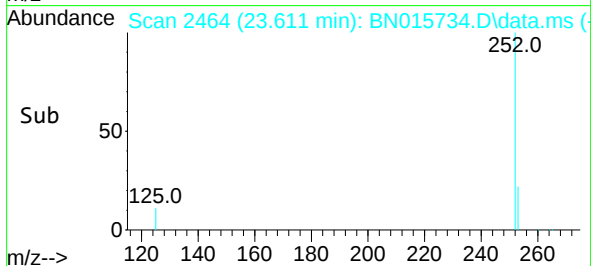
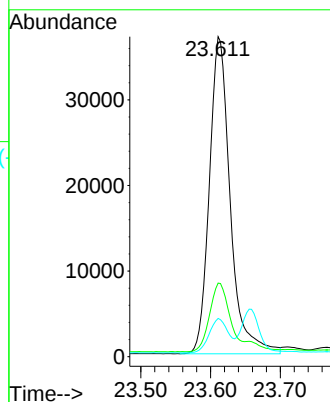
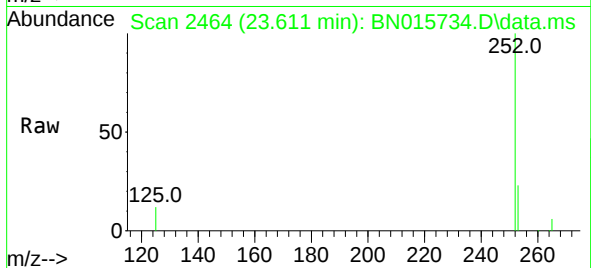
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 77034 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.0  | 18.1  | 27.1  |
| 125       | 11.9  | 9.2   | 13.8  |

Instrument :

BNA\_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2021



#40

Dibenzo(a,h)anthracene

Concen: 0.192 ng

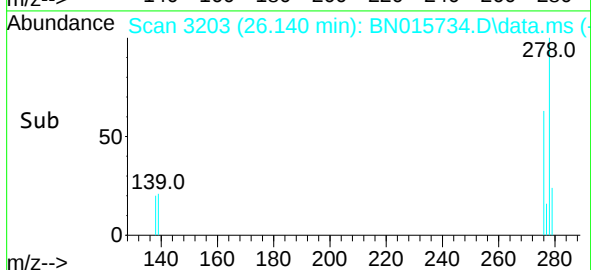
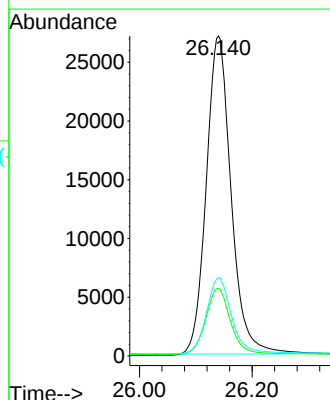
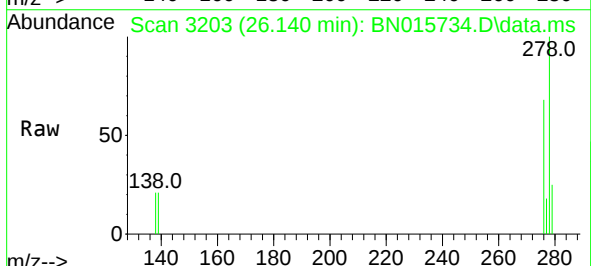
RT: 26.140 min Scan# 3203

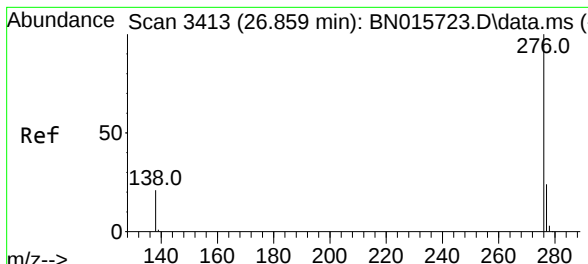
Delta R.T. -0.007 min

Lab File: BN015734.D

Acq: 31 Jul 2021 14:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 82607 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 21.1  | 16.0  | 24.0  |
| 279       | 24.5  | 19.2  | 28.8  |





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.189 ng  
 RT: 26.849 min Scan# 3410  
 Delta R.T. -0.010 min  
 Lab File: BN015734.D  
 Acq: 31 Jul 2021 14:25

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 LOD-MDL-SOIL-01-QT2-2021

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 83905 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.2  | 19.2  | 28.8  |
| 138       | 21.3  | 16.8  | 25.2  |

