

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122123\  
 Data File : BN029158.D  
 Acq On : 21 Dec 2023 19:44  
 Operator : MA/JU  
 Sample : 05720-02MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 50

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT-FRACSEDIMENT-IDWSO-20231207MS

Quant Time: Dec 25 01:25:47 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 20 18:03:30 2023  
 Response via : Initial Calibration

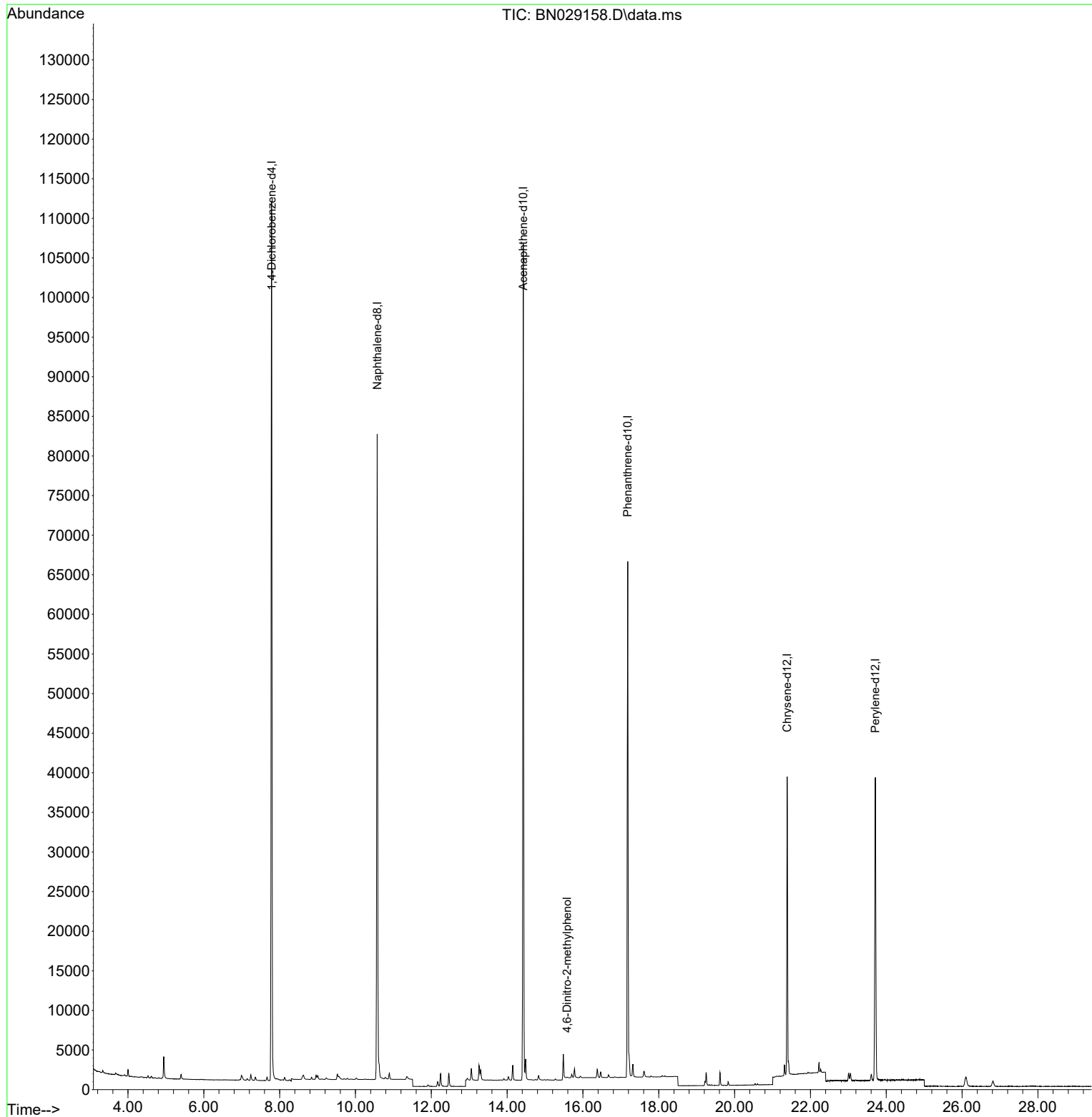
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.789  | 152  | 55624    | 20.000 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.573 | 136  | 105404   | 20.000 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.426 | 164  | 54769    | 20.000 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.181 | 188  | 85162    | 20.000 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.385 | 240  | 33368    | 20.000 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.712 | 264  | 48322    | 20.000 | ng    | # 0.00   |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 541      | 0.203  | ng    | 0.00     |
| 5) Phenol-d6                  | 6.995  | 99   | 672      | 0.230  | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.961  | 82   | 620      | 0.226  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.167 | 152  | 1070     | 0.335  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.927 | 330  | 130      | 0.136  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.057 | 172  | 1414     | 0.221  | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.220 | 212  | 647      | 0.157  | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.833 | 244  | 427      | 0.233  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.333  | 88   | 258      | 0.246  | ng    | # 67     |
| 3) n-Nitrosodimethylamine     | 3.673  | 42   | 236      | 0.328  | ng    | # 78     |
| 6) bis(2-Chloroethyl)ether    | 7.241  | 93   | 620      | 0.273  | ng    | 97       |
| 9) Naphthalene                | 10.626 | 128  | 1794     | 0.261  | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.893 | 225  | 546      | 0.242  | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.246 | 142  | 1226     | 0.273  | ng    | 98       |
| 16) Acenaphthylene            | 14.148 | 152  | 2058     | 0.267  | ng    | 99       |
| 17) Acenaphthene              | 14.490 | 154  | 1181     | 0.255  | ng    | 98       |
| 18) Fluorene                  | 15.484 | 166  | 1564     | 0.251  | ng    | 97       |
| 20) 4,6-Dinitro-2-methylph... | 15.580 | 198  | 91       | 3.251  | ng    | 95       |
| 21) 4-Bromophenyl-phenylether | 16.387 | 248  | 484      | 0.275  | ng    | 96       |
| 22) Hexachlorobenzene         | 16.474 | 284  | 500      | 0.244  | ng    | 98       |
| 23) Atrazine                  | 16.672 | 200  | 375      | 0.254  | ng    | 99       |
| 24) Pentachlorophenol         | 16.846 | 266  | 60       | 0.049  | ng    | # 84     |
| 25) Phenanthrene              | 17.218 | 178  | 2056     | 0.293  | ng    | 97       |
| 26) Anthracene                | 17.318 | 178  | 1892     | 0.279  | ng    | 98       |
| 28) Fluoranthene              | 19.252 | 202  | 1591     | 0.219  | ng    | 99       |
| 30) Pyrene                    | 19.615 | 202  | 1586     | 0.302  | ng    | 98       |
| 32) Benzo(a)anthracene        | 21.376 | 228  | 1321     | 0.360  | ng    | 98       |
| 33) Chrysene                  | 21.420 | 228  | 1046     | 0.288  | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 26.081 | 276  | 1906     | 0.306  | ng    | # 95     |
| 37) Benzo(b)fluoranthene      | 23.011 | 252  | 1293     | 0.263  | ng    | 98       |
| 38) Benzo(k)fluoranthene      | 23.052 | 252  | 1218     | 0.253  | ng    | 95       |
| 39) Benzo(a)pyrene            | 23.604 | 252  | 1181     | 0.269  | ng    | 95       |
| 40) Dibenzo(a,h)anthracene    | 26.116 | 278  | 1441     | 0.301  | ng    | 96       |
| 41) Benzo(g,h,i)perylene      | 26.817 | 276  | 1529     | 0.290  | ng    | 98       |
| -----                         |        |      |          |        |       |          |

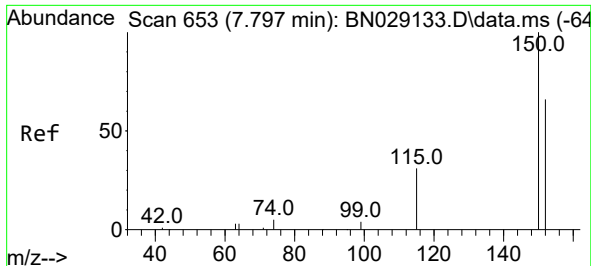
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122123\  
Data File : BN029158.D  
Acq On : 21 Dec 2023 19:44  
Operator : MA/JU  
Sample : 05720-02MS  
Misc :  
ALS Vial : 12 Sample Multiplier: 50

Instrument :  
BNA\_N  
ClientSampleId :  
TT-FRACSEDIMENT-IDWSO-20231207MS

Quant Time: Dec 25 01:25:47 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 20 18:03:30 2023  
Response via : Initial Calibration

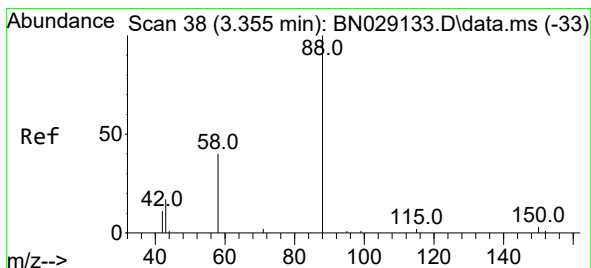
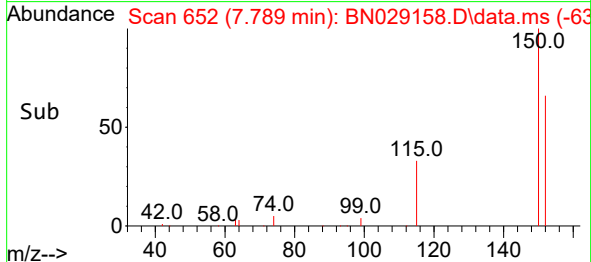
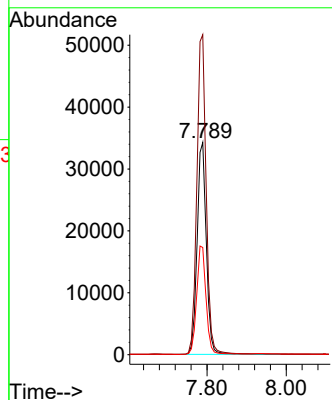
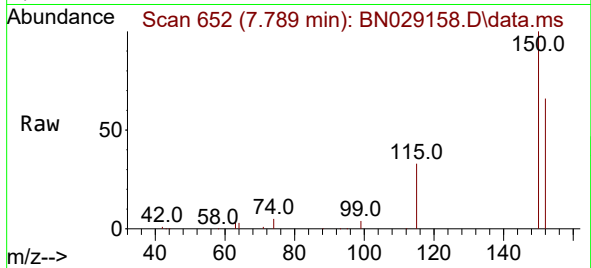




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.789 min Scan# 61  
Delta R.T. -0.008 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

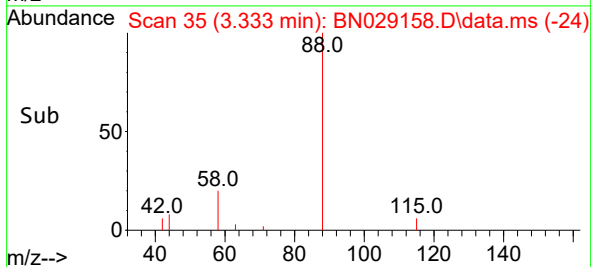
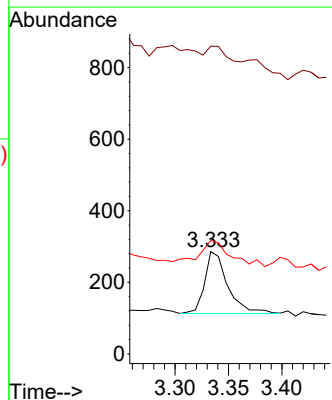
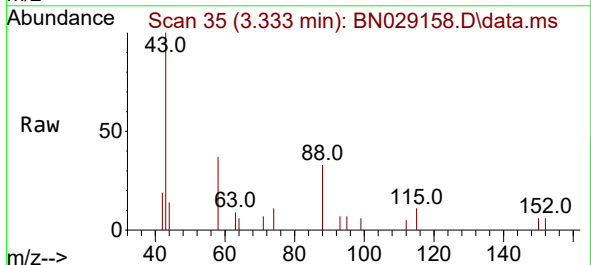
Instrument :  
BNA\_N  
ClientSampleId :  
TT-FRACSEDIMENT-IDWSO-20231207MS

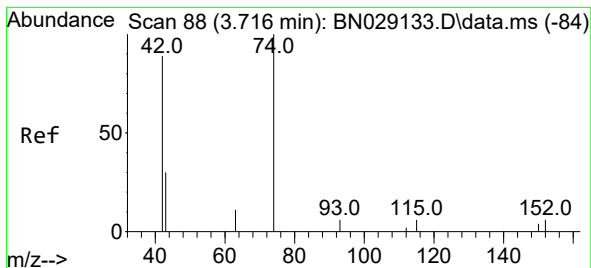
Tgt Ion:152 Resp: 55624  
Ion Ratio Lower Upper  
152 100  
150 150.9 117.6 176.4  
115 50.5 44.2 66.2



#2  
1,4-Dioxane  
Concen: 0.246 ng  
RT: 3.333 min Scan# 35  
Delta R.T. -0.022 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

Tgt Ion: 88 Resp: 258  
Ion Ratio Lower Upper  
88 100  
43 0.0 20.1 30.1#  
58 59.7 35.4 53.2#





#3

n-Nitrosodimethylamine

Concen: 0.328 ng

RT: 3.673 min Scan# 81

Delta R.T. -0.043 min

Lab File: BN029158.D

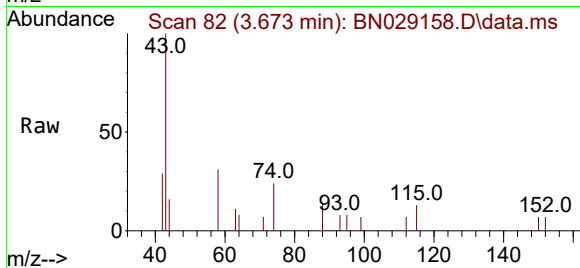
Acq: 21 Dec 2023 19:44

Instrument :

BNA\_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MS



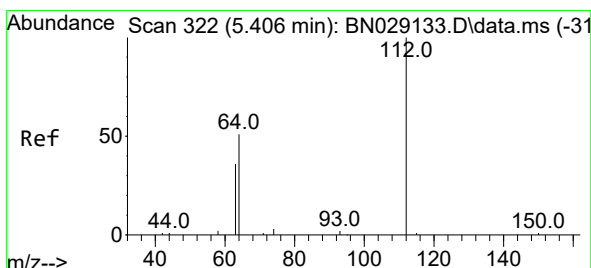
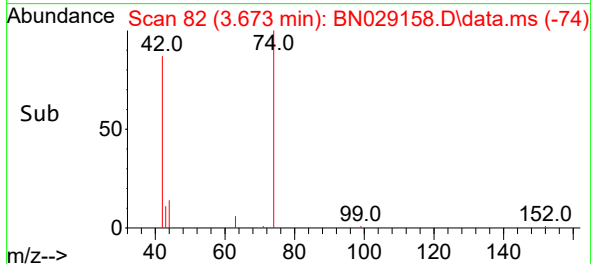
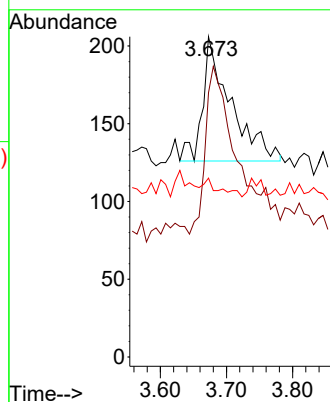
Tgt Ion: 42 Resp: 236

Ion Ratio Lower Upper

42 100

74 155.1 103.0 154.4#

44 8.1 3.2 4.8#



#4

2-Fluorophenol

Concen: 0.203 ng

RT: 5.399 min Scan# 321

Delta R.T. -0.007 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

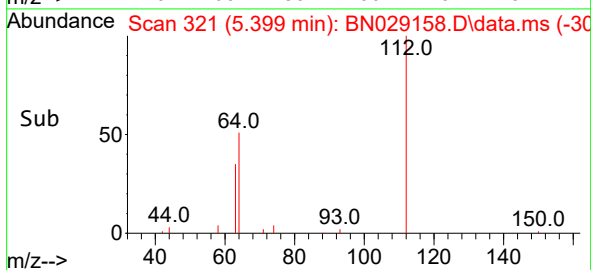
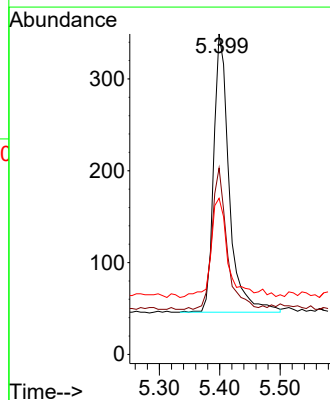
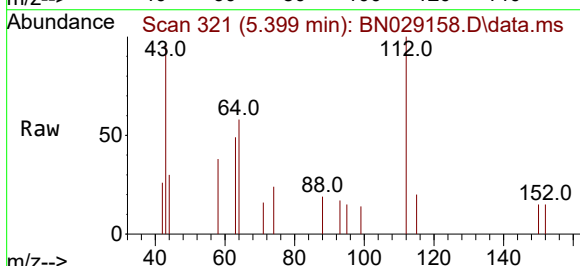
Tgt Ion: 112 Resp: 541

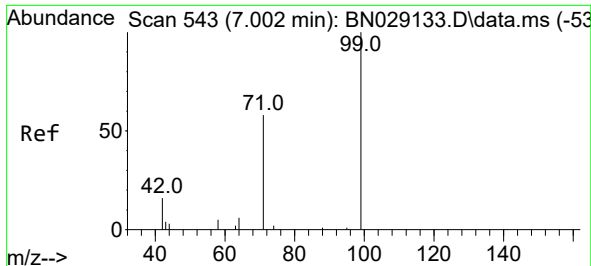
Ion Ratio Lower Upper

112 100

64 49.2 38.6 58.0

63 38.4 30.0 45.0

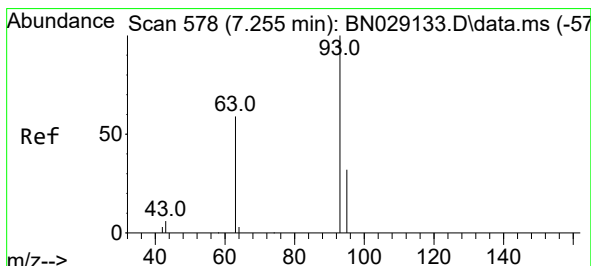
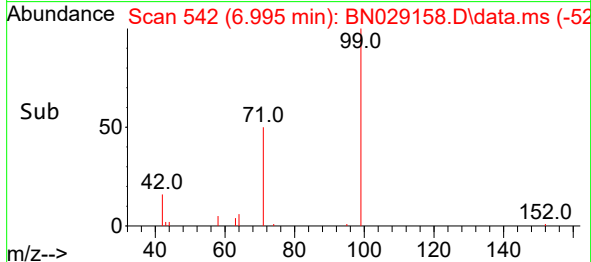
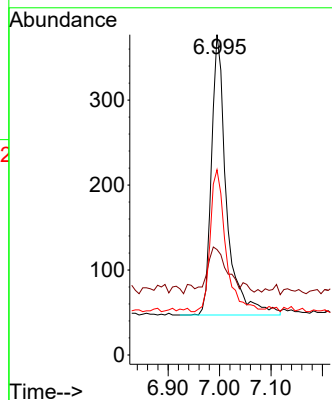
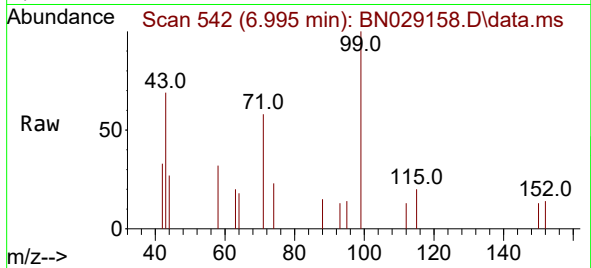




#5  
Phenol-d6  
Concen: 0.230 ng  
RT: 6.995 min Scan# 54  
Delta R.T. -0.007 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

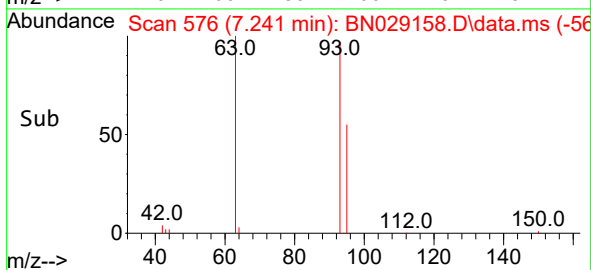
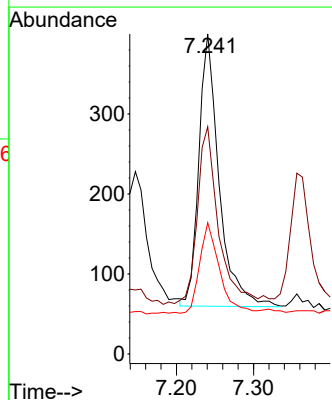
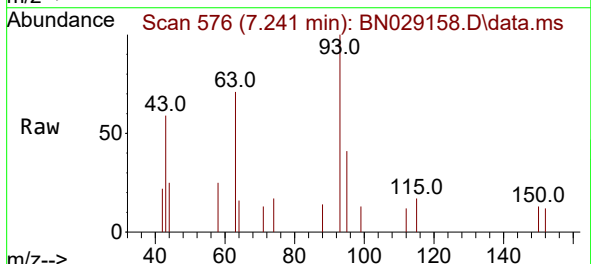
Instrument :  
BNA\_N  
ClientSampleId :  
TT-FRACSEDIMENT-IDWSO-20231207MS

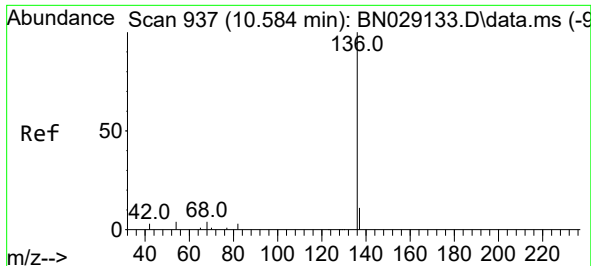
Tgt Ion: 99 Resp: 672  
Ion Ratio Lower Upper  
99 100  
42 23.8 13.8 20.6#  
71 52.1 45.4 68.2



#6  
bis(2-Chloroethyl)ether  
Concen: 0.273 ng  
RT: 7.241 min Scan# 576  
Delta R.T. -0.014 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

Tgt Ion: 93 Resp: 620  
Ion Ratio Lower Upper  
93 100  
63 69.2 57.0 85.6  
95 32.9 27.4 41.2

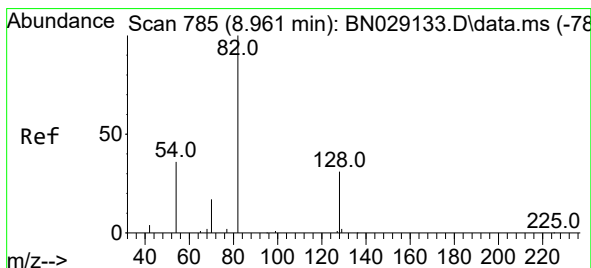
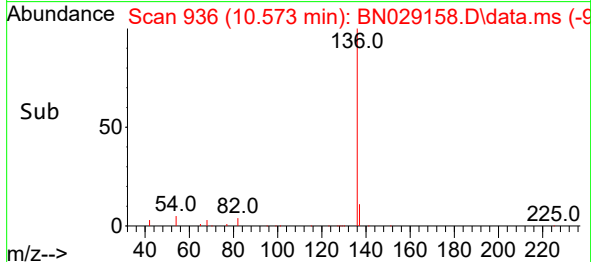
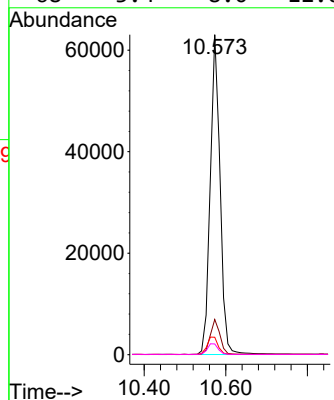
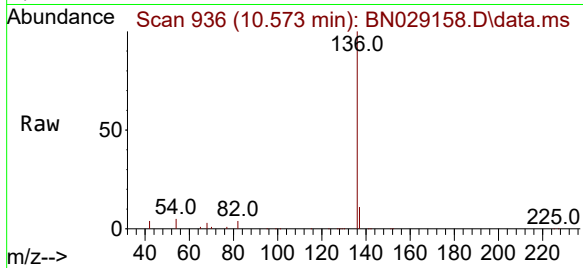




#7  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.573 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

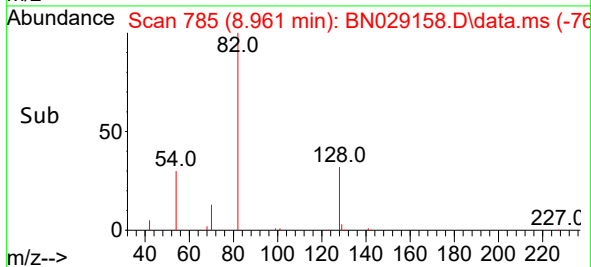
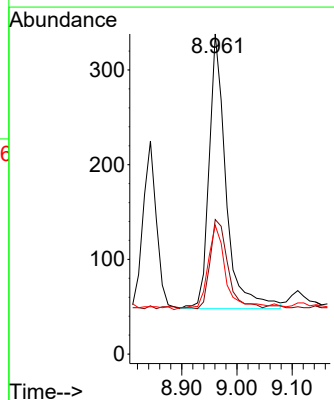
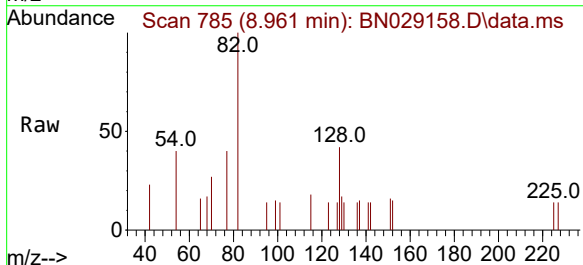
Instrument :  
BNA\_N  
ClientSampleId :  
TT-FRACSEDIMENT-IDWSO-20231207MS

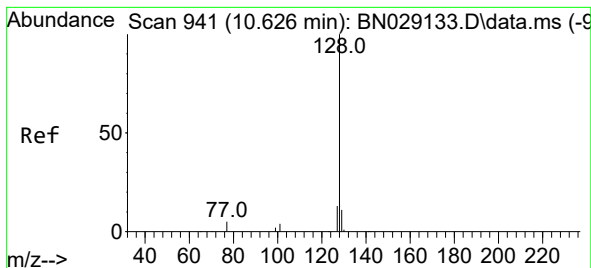
Tgt Ion:136 Resp: 105404  
Ion Ratio Lower Upper  
136 100  
137 11.0 13.4 20.0#  
54 5.4 8.6 13.0#  
68 3.4 8.0 12.0#



#8  
Nitrobenzene-d5  
Concen: 0.226 ng  
RT: 8.961 min Scan# 785  
Delta R.T. -0.000 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

Tgt Ion: 82 Resp: 620  
Ion Ratio Lower Upper  
82 100  
128 42.0 33.0 49.4  
54 40.2 35.8 53.8





#9

Naphthalene

Concen: 0.261 ng

RT: 10.626 min Scan# 941

Delta R.T. -0.000 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

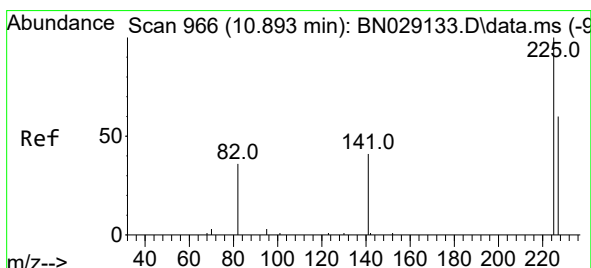
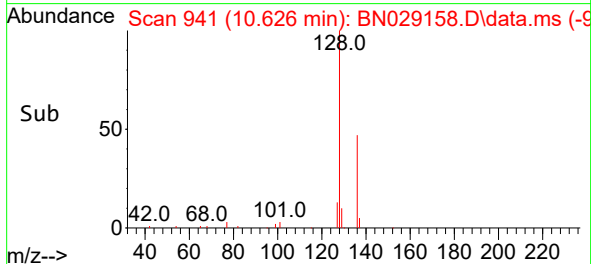
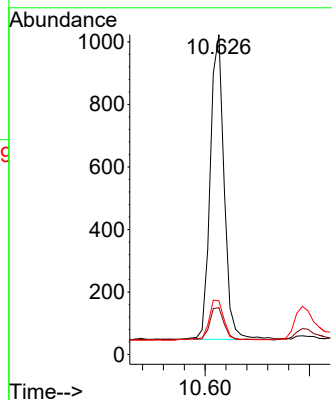
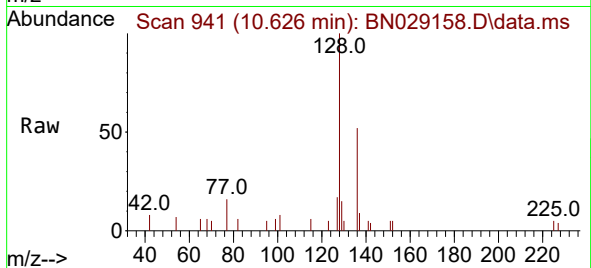
Instrument :

BNA\_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 1794  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 14.7  | 12.0  | 18.0  |
| 127      | 16.8  | 14.1  | 21.1  |



#10

Hexachlorobutadiene

Concen: 0.242 ng

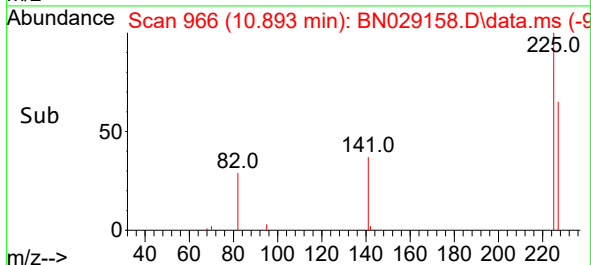
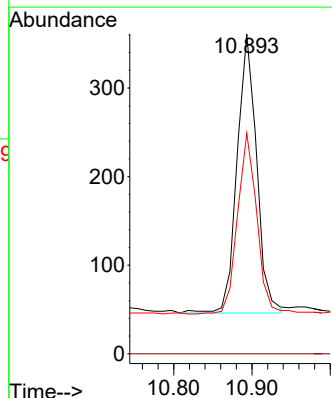
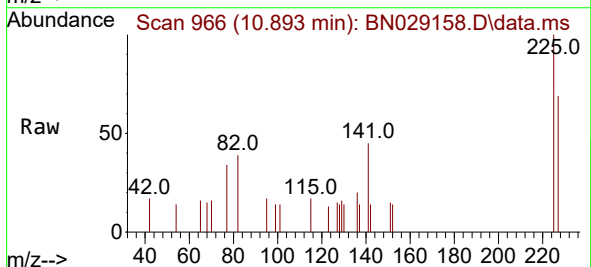
RT: 10.893 min Scan# 966

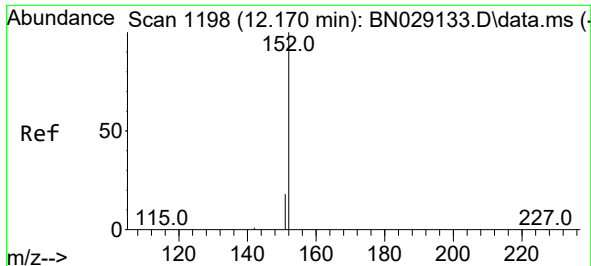
Delta R.T. -0.000 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 546   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 0.0   | 0.0   | 0.0   |
| 227      | 63.6  | 50.6  | 75.8  |

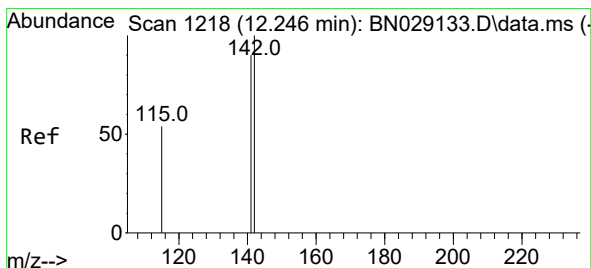
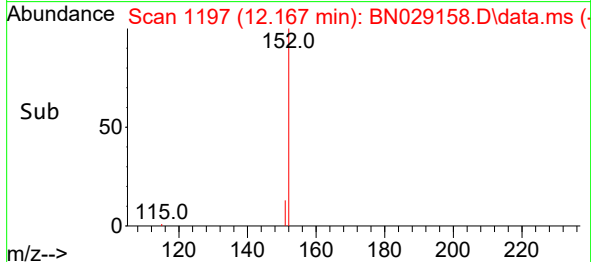
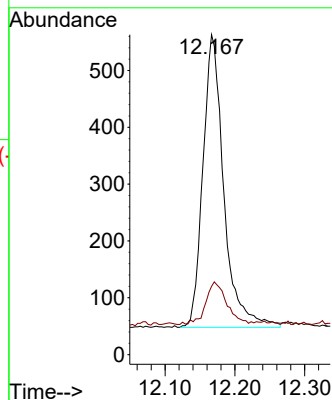
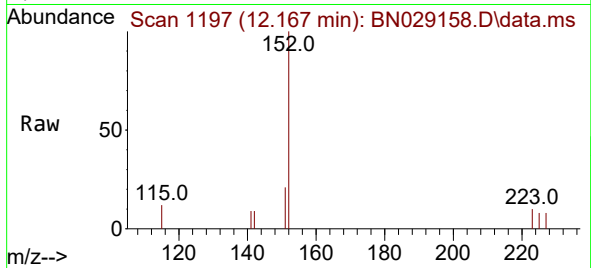




#11  
2-Methylnaphthalene-d10  
Concen: 0.335 ng  
RT: 12.167 min Scan# 1197  
Delta R.T. -0.004 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

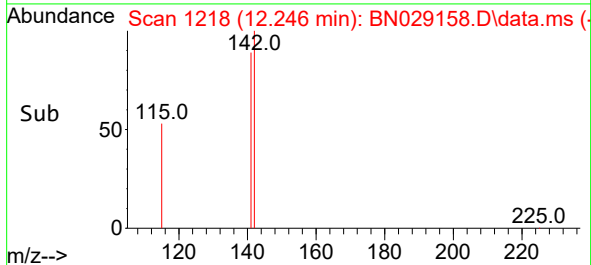
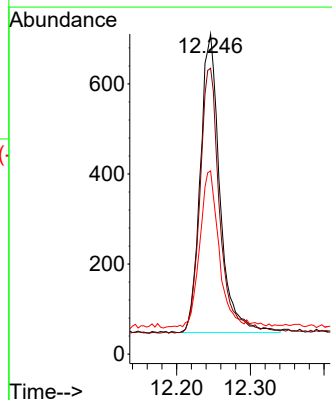
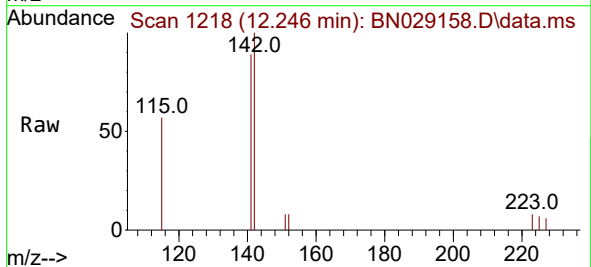
Instrument :  
BNA\_N  
ClientSampleId :  
TT-FRACSEDIMENT-IDWSO-20231207MS

Tgt Ion:152 Resp: 1070  
Ion Ratio Lower Upper  
152 100  
151 14.6 17.4 26.2#

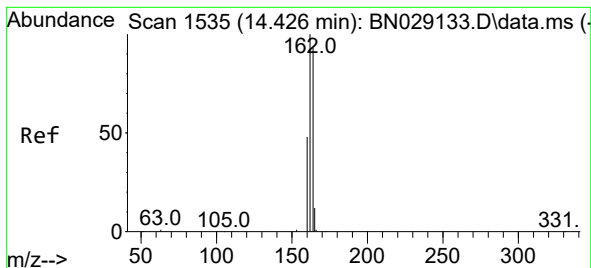


#12  
2-Methylnaphthalene  
Concen: 0.273 ng  
RT: 12.246 min Scan# 1218  
Delta R.T. -0.000 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

Tgt Ion:142 Resp: 1226  
Ion Ratio Lower Upper  
142 100  
141 89.3 73.0 109.4  
115 57.2 46.8 70.2







#13

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.426 min Scan# 1535

Delta R.T. -0.000 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

Instrument :

BNA\_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MS

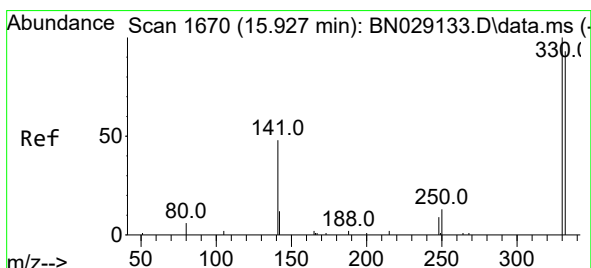
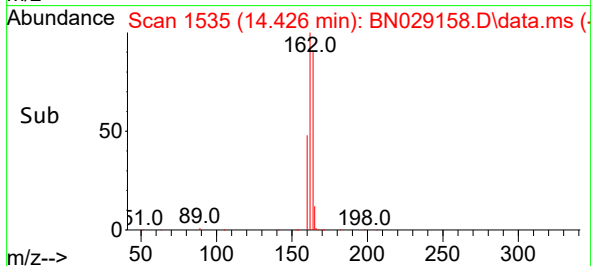
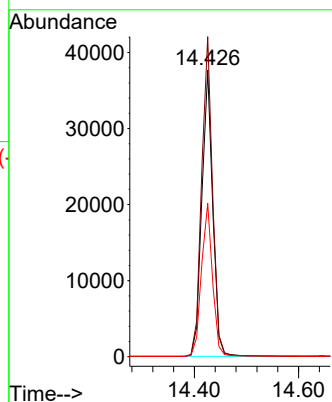
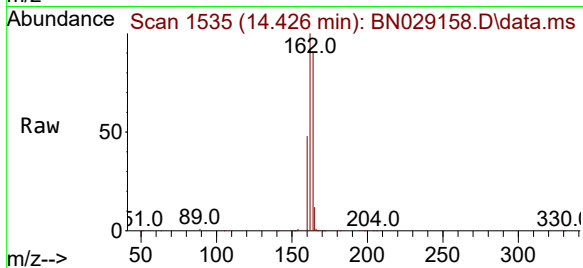
Tgt Ion:164 Resp: 54769

Ion Ratio Lower Upper

164 100

162 111.6 85.0 127.4

160 53.5 45.8 68.8



#14

2,4,6-Tribromophenol

Concen: 0.136 ng

RT: 15.927 min Scan# 1670

Delta R.T. -0.000 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

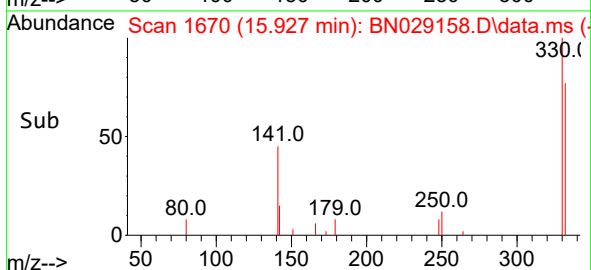
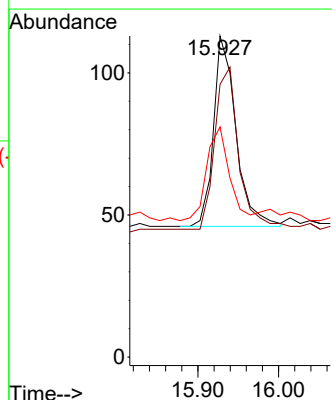
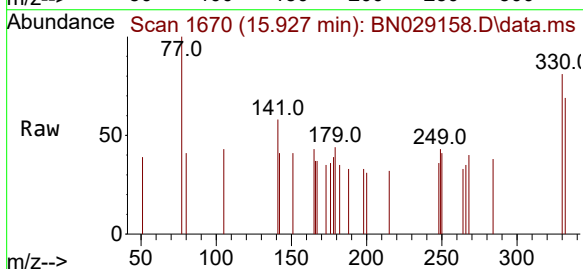
Tgt Ion:330 Resp: 130

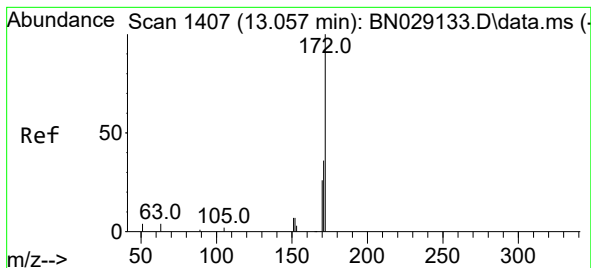
Ion Ratio Lower Upper

330 100

332 90.8 83.4 125.0

141 50.0 43.8 65.8





#15

2-Fluorobiphenyl

Concen: 0.221 ng

RT: 13.057 min Scan# 1407

Delta R.T. -0.000 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

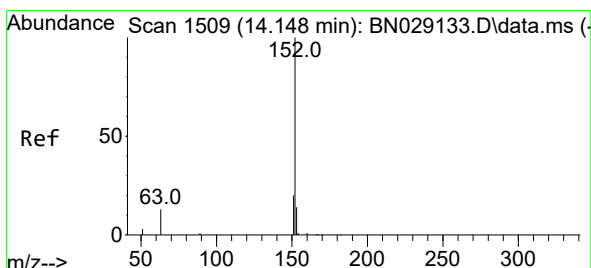
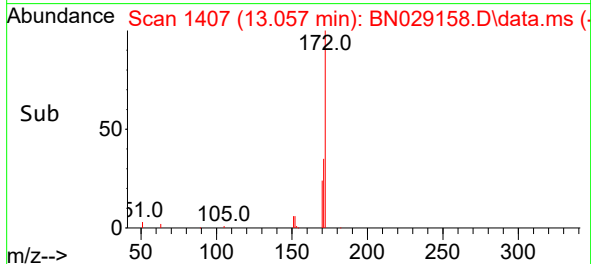
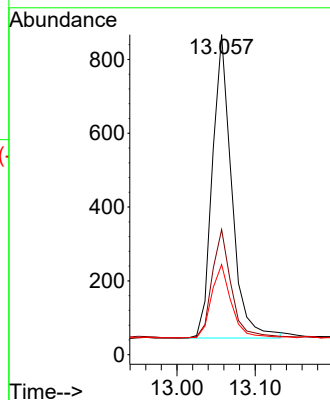
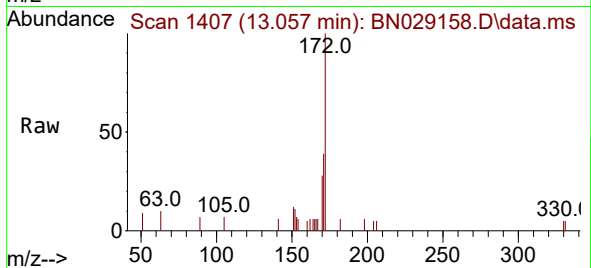
Instrument :

BNA\_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 1414  |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 39.1  | 32.2  | 48.4  |
| 170      | 28.1  | 25.0  | 37.4  |



#16

Acenaphthylene

Concen: 0.267 ng

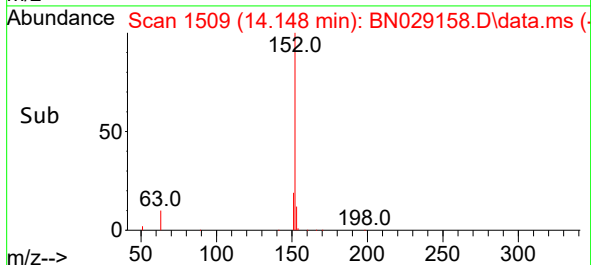
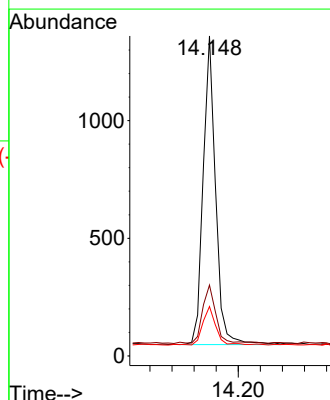
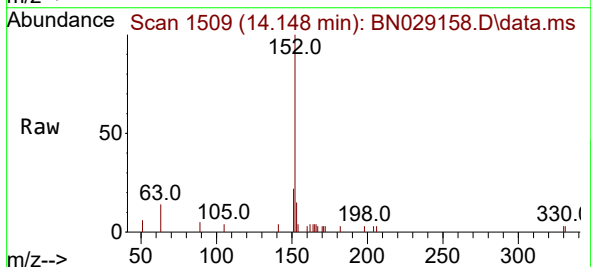
RT: 14.148 min Scan# 1509

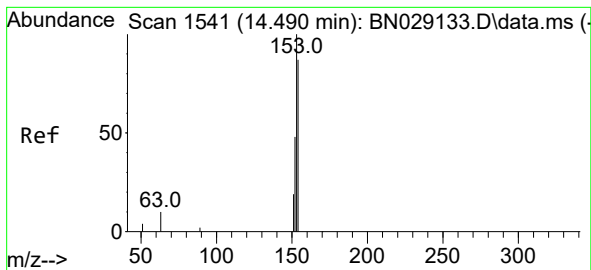
Delta R.T. -0.000 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 2058  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 20.7  | 16.3  | 24.5  |
| 153      | 13.7  | 10.1  | 15.1  |





#17

Acenaphthene

Concen: 0.255 ng

RT: 14.490 min Scan# 1541

Delta R.T. -0.000 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

Instrument :

BNA\_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MS

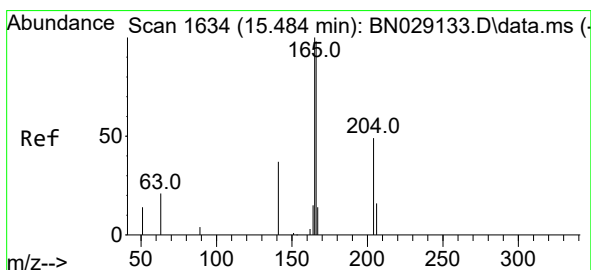
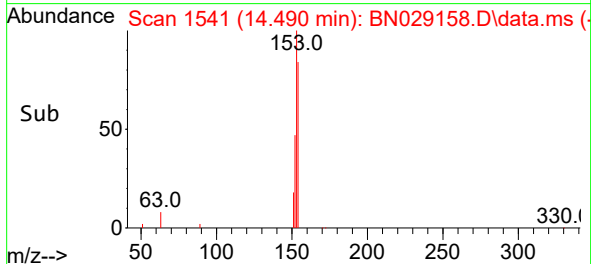
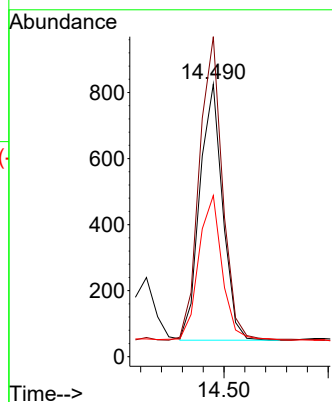
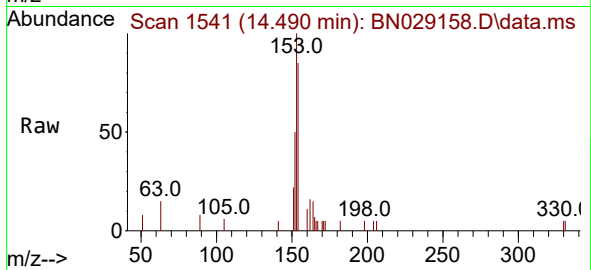
Tgt Ion:154 Resp: 1181

Ion Ratio Lower Upper

154 100

153 122.3 99.9 149.9

152 58.3 47.4 71.2



#18

Fluorene

Concen: 0.251 ng

RT: 15.484 min Scan# 1634

Delta R.T. -0.000 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

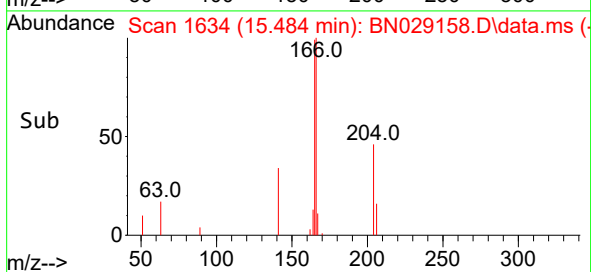
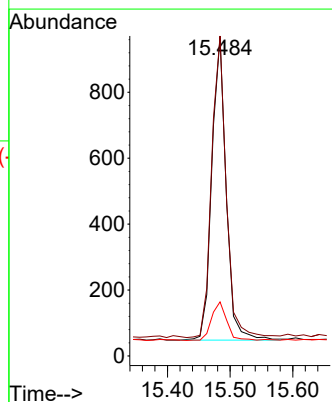
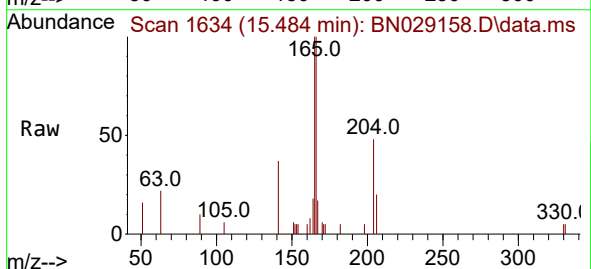
Tgt Ion:166 Resp: 1564

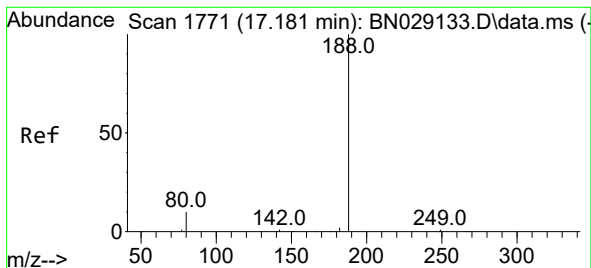
Ion Ratio Lower Upper

166 100

165 101.2 83.4 125.0

167 13.8 11.8 17.8





#19

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.181 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

Instrument :

BNA\_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MS

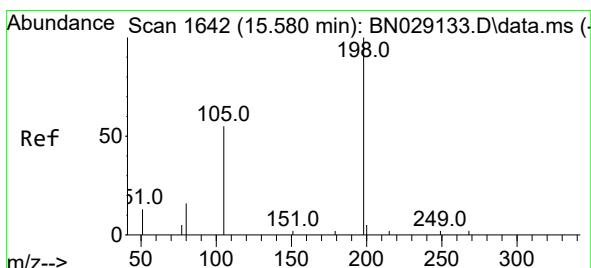
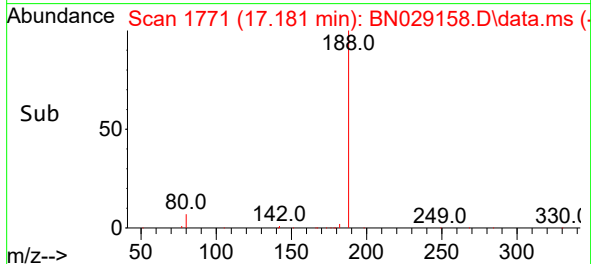
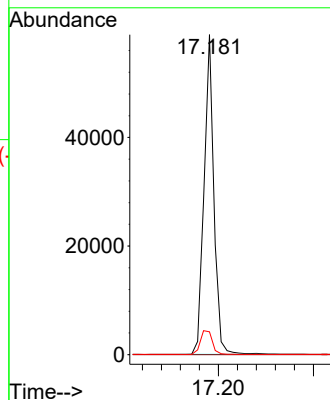
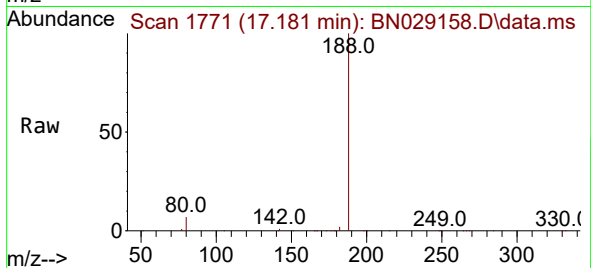
Tgt Ion:188 Resp: 85162

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.2 13.7 20.5#



#20

4,6-Dinitro-2-methylphenol

Concen: 3.251 ng

RT: 15.580 min Scan# 1642

Delta R.T. -0.000 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

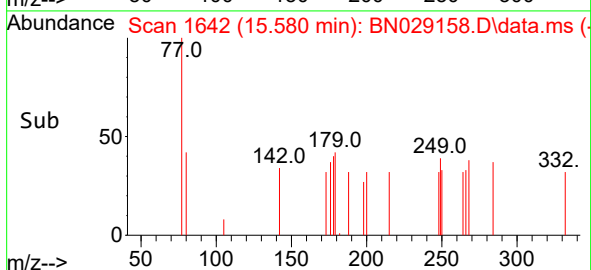
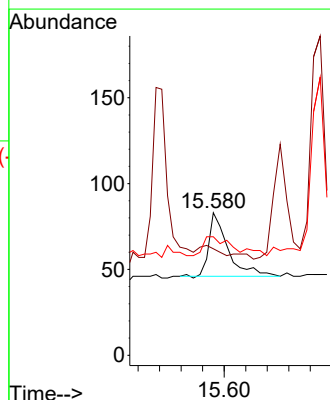
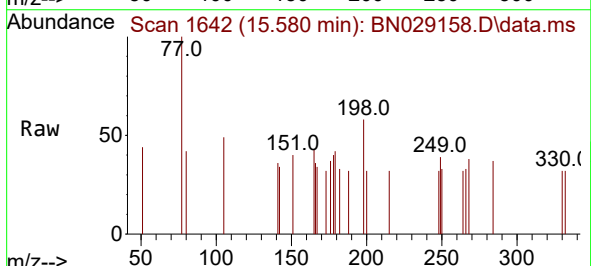
Tgt Ion:198 Resp: 91

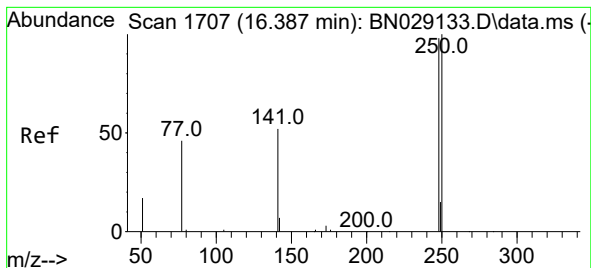
Ion Ratio Lower Upper

198 100

51 74.7 53.6 80.4

105 83.1 65.6 98.4

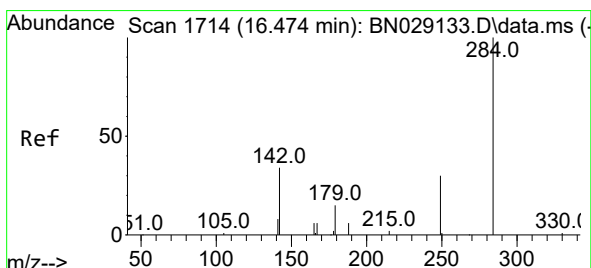
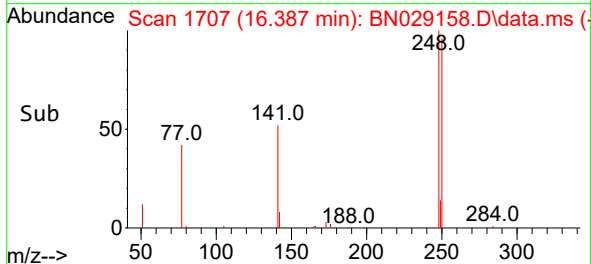
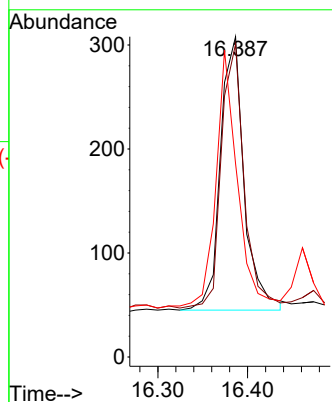
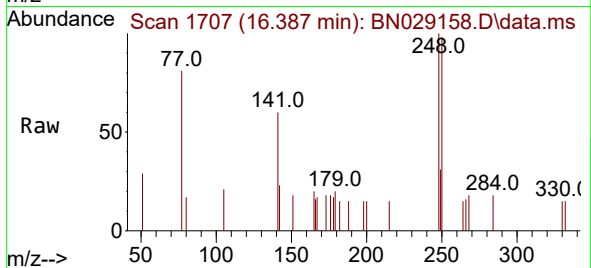




#21  
4-Bromophenyl-phenylether  
Concen: 0.275 ng  
RT: 16.387 min Scan# 1707  
Delta R.T. -0.000 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

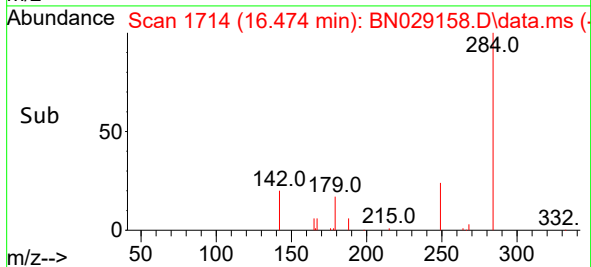
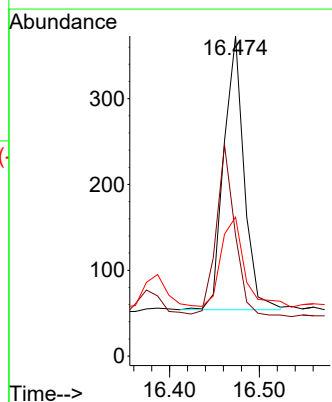
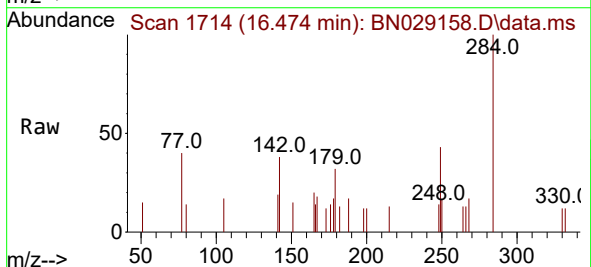
Instrument :  
BNA\_N  
ClientSampleId :  
TT-FRACSEDIMENT-IDWSO-20231207MS

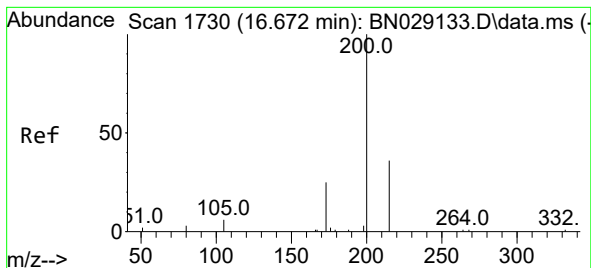
Tgt Ion:248 Resp: 484  
Ion Ratio Lower Upper  
248 100  
250 97.7 82.2 123.2  
141 60.4 49.7 74.5



#22  
Hexachlorobenzene  
Concen: 0.244 ng  
RT: 16.474 min Scan# 1714  
Delta R.T. -0.000 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

Tgt Ion:284 Resp: 500  
Ion Ratio Lower Upper  
284 100  
142 56.6 46.9 70.3  
249 37.0 28.6 43.0





#23

Atrazine

Concen: 0.254 ng

RT: 16.672 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

Instrument :

BNA\_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MS

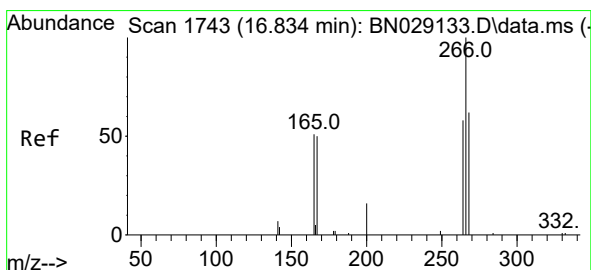
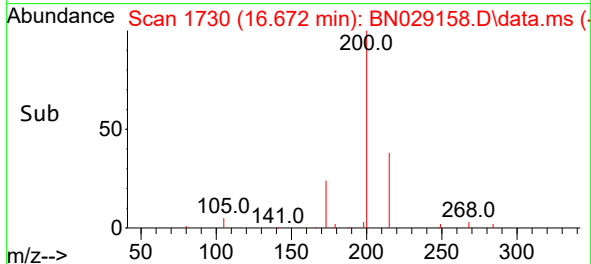
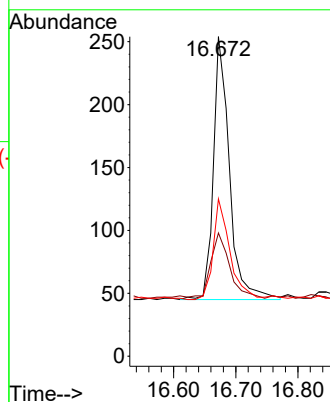
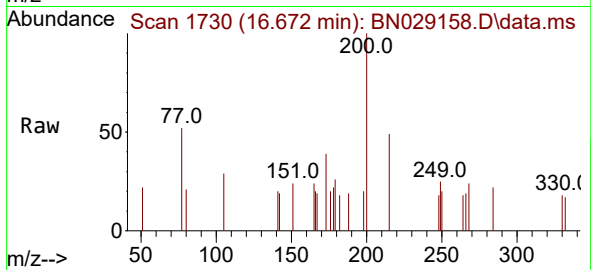
Tgt Ion:200 Resp: 375

Ion Ratio Lower Upper

200 100

173 38.6 31.4 47.2

215 49.2 38.5 57.7



#24

Pentachlorophenol

Concen: 0.049 ng

RT: 16.846 min Scan# 1744

Delta R.T. 0.012 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

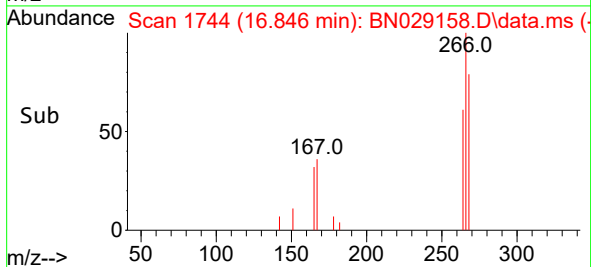
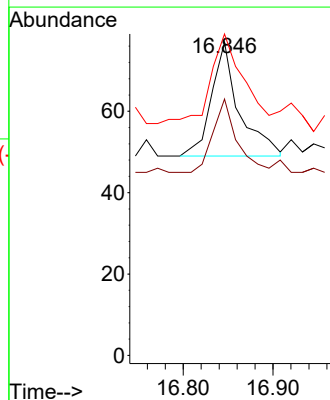
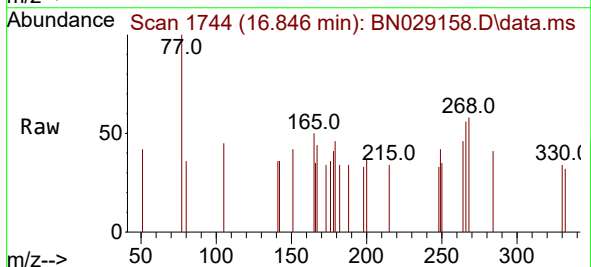
Tgt Ion:266 Resp: 60

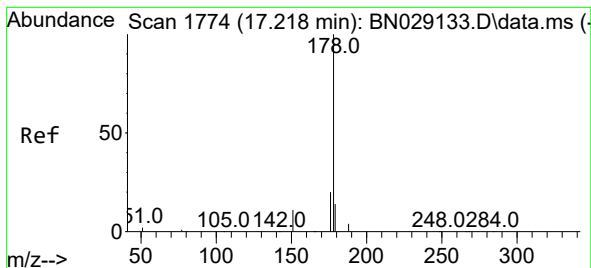
Ion Ratio Lower Upper

266 100

264 60.0 45.0 67.6

268 90.0 55.5 83.3#





#25

Phenanthrene

Concen: 0.293 ng

RT: 17.218 min Scan# 1774

Delta R.T. -0.000 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

Instrument :

BNA\_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MS

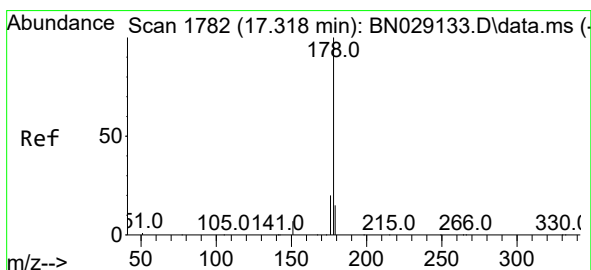
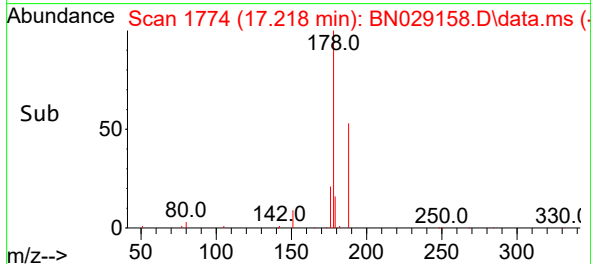
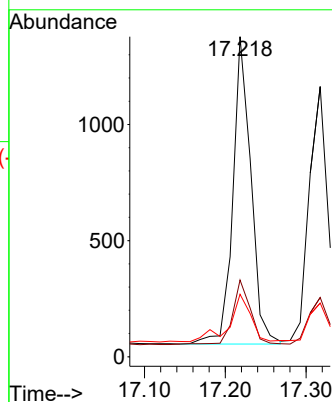
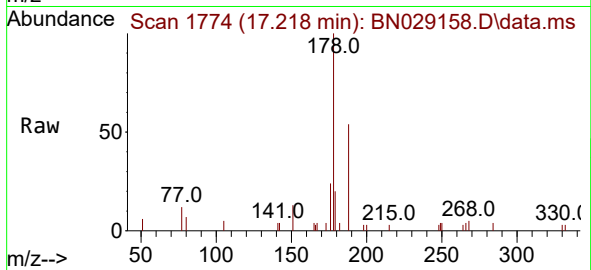
Tgt Ion:178 Resp: 2056

Ion Ratio Lower Upper

178 100

176 20.6 17.4 26.0

179 19.2 13.7 20.5



#26

Anthracene

Concen: 0.279 ng

RT: 17.318 min Scan# 1782

Delta R.T. -0.000 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

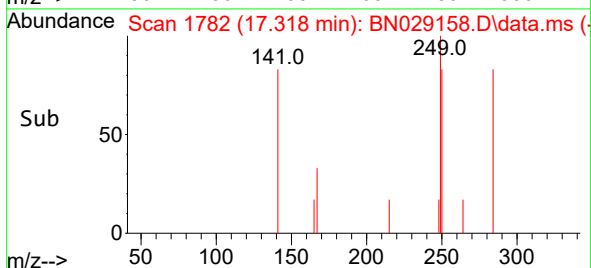
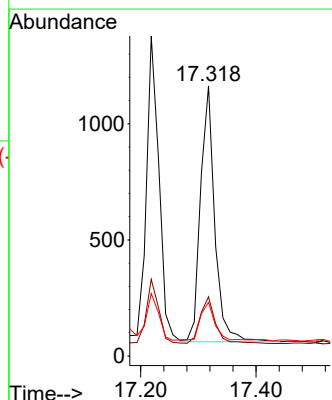
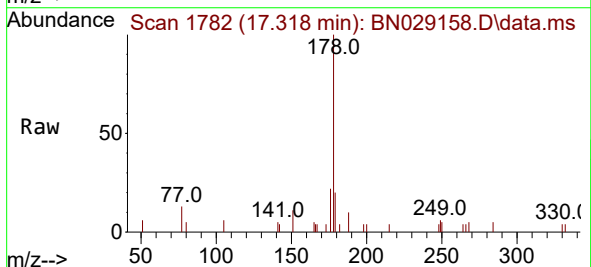
Tgt Ion:178 Resp: 1892

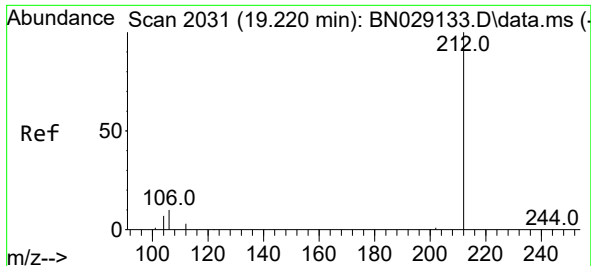
Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

179 16.0 11.4 17.0





#27  
Fluoranthene-d10  
Concen: 0.157 ng  
RT: 19.220 min Scan# 2031  
Delta R.T. -0.000 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

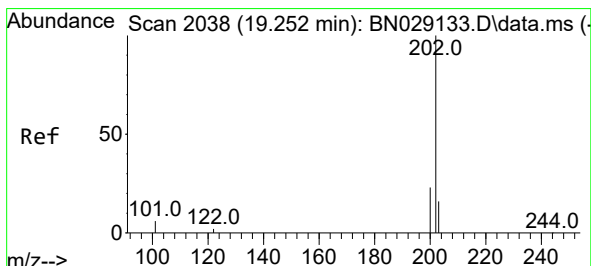
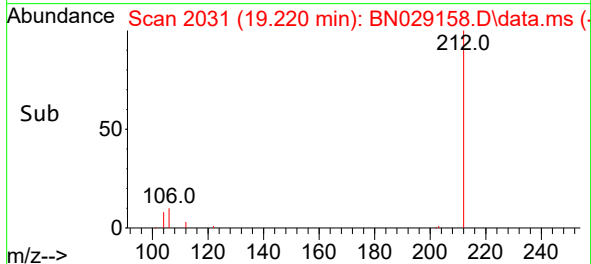
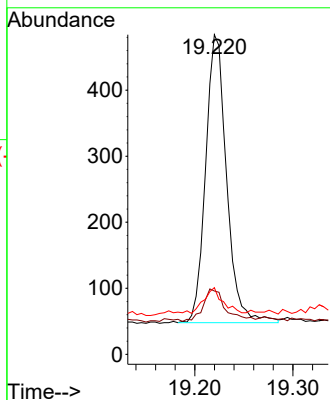
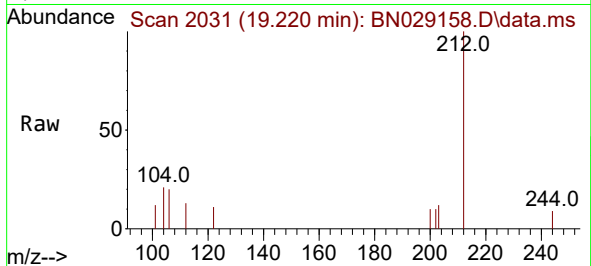
Instrument :

BNA\_N

ClientSampleId :

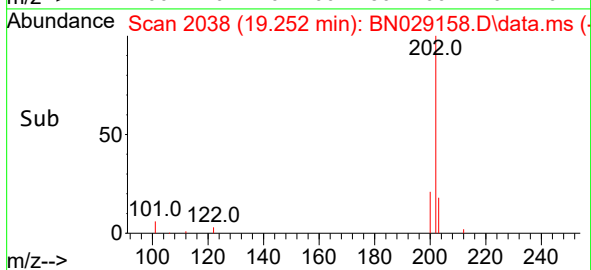
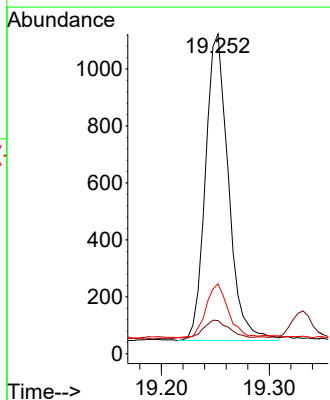
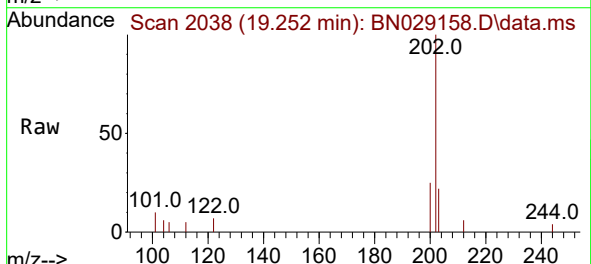
TT-FRACSEDIMENT-IDWSO-20231207MS

Tgt Ion:212 Resp: 647  
Ion Ratio Lower Upper  
212 100  
106 12.2 9.6 14.4  
104 8.5 6.5 9.7

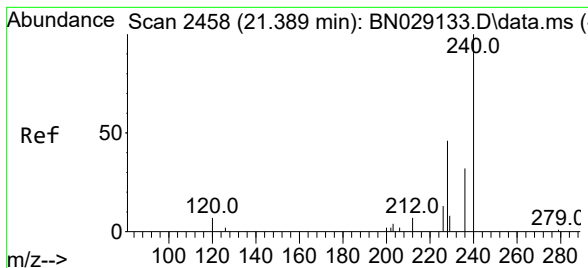


#28  
Fluoranthene  
Concen: 0.219 ng  
RT: 19.252 min Scan# 2038  
Delta R.T. -0.000 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

Tgt Ion:202 Resp: 1591  
Ion Ratio Lower Upper  
202 100  
101 7.2 5.3 7.9  
203 17.2 13.8 20.6







#29

Chrysene-d12

Concen: 20.000 ng

RT: 21.385 min Scan# 2458

Delta R.T. -0.004 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

Instrument :

BNA\_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MS

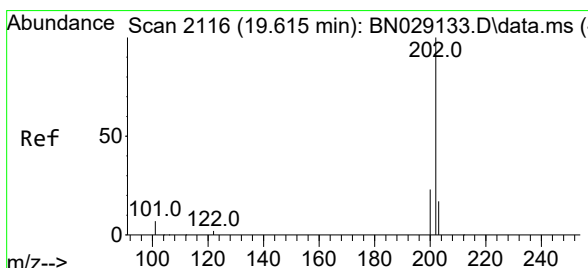
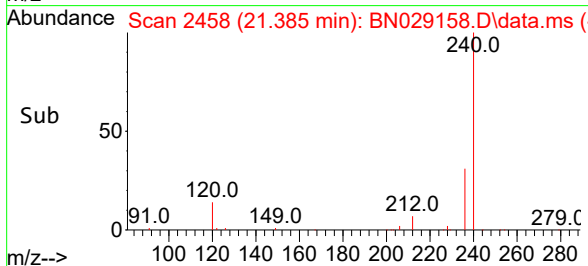
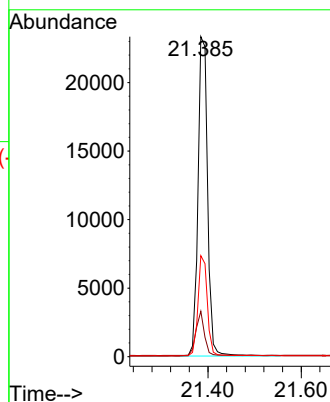
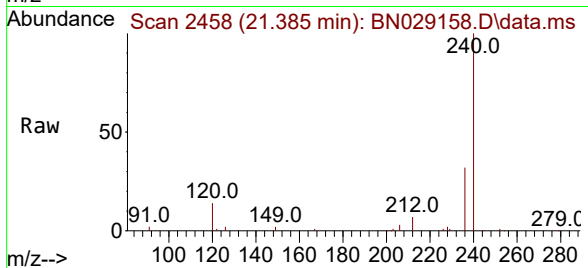
Tgt Ion:240 Resp: 33368

Ion Ratio Lower Upper

240 100

120 14.2 21.4 32.0#

236 31.6 33.5 50.3#



#30

Pyrene

Concen: 0.302 ng

RT: 19.615 min Scan# 2116

Delta R.T. -0.000 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

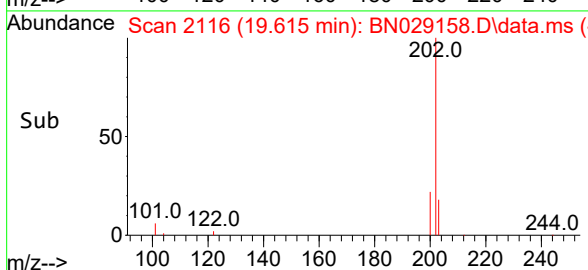
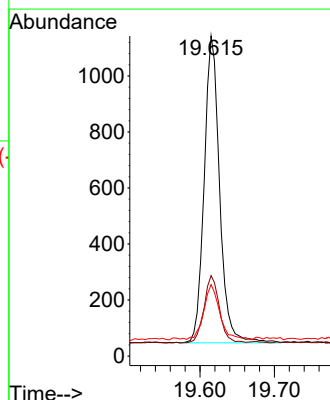
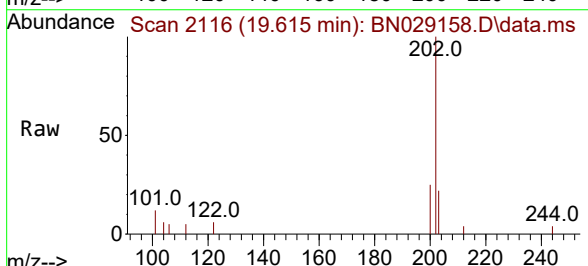
Tgt Ion:202 Resp: 1586

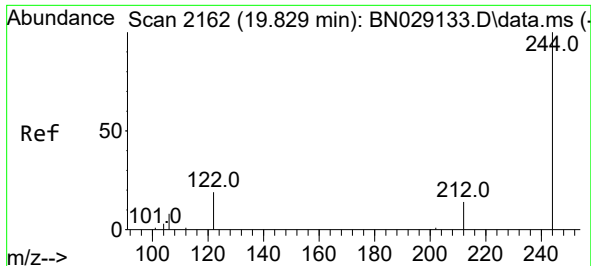
Ion Ratio Lower Upper

202 100

200 21.7 18.0 27.0

203 18.0 15.1 22.7

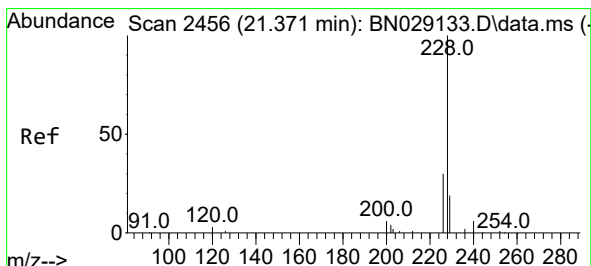
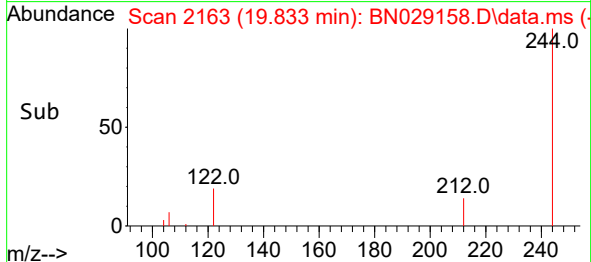
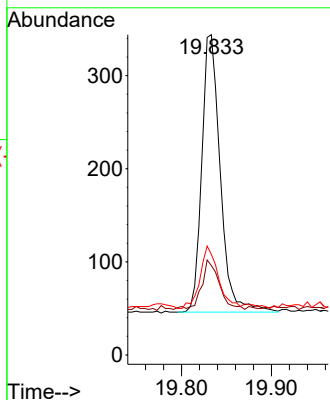
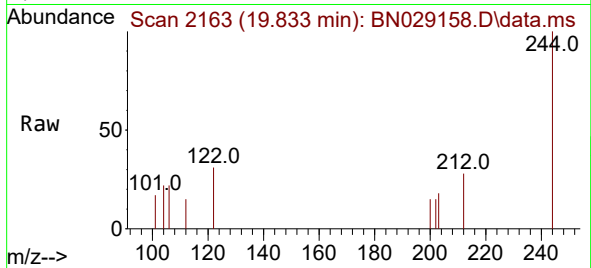




#31  
Terphenyl-d14  
Concen: 0.233 ng  
RT: 19.833 min Scan# 2163  
Delta R.T. 0.005 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

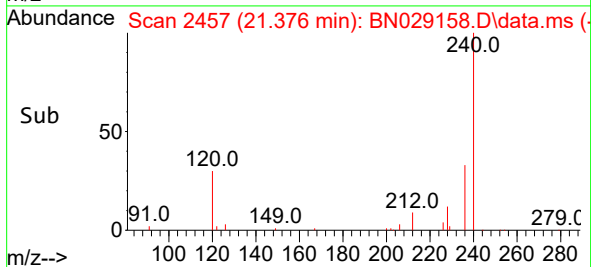
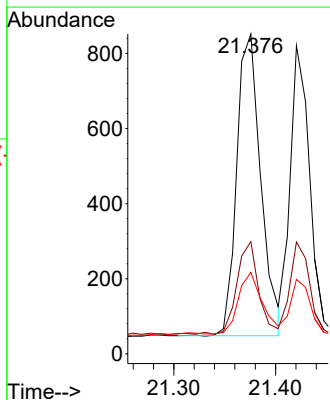
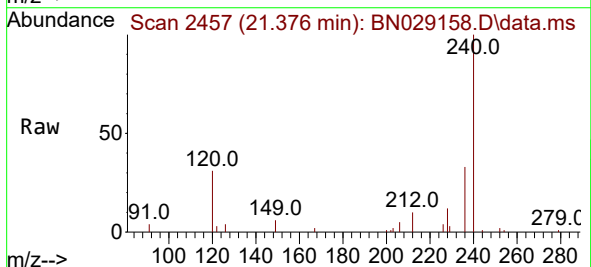
Instrument :  
BNA\_N  
ClientSampleId :  
TT-FRACSEDIMENT-IDWSO-20231207MS

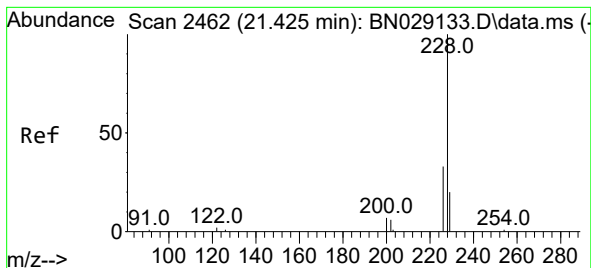
Tgt Ion:244 Resp: 427  
Ion Ratio Lower Upper  
244 100  
212 27.9 19.0 28.6  
122 31.4 22.5 33.7



#32  
Benzo(a)anthracene  
Concen: 0.360 ng  
RT: 21.376 min Scan# 2457  
Delta R.T. 0.005 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

Tgt Ion:228 Resp: 1321  
Ion Ratio Lower Upper  
228 100  
226 35.1 27.6 41.4  
229 25.5 19.4 29.0





#33

Chrysene

Concen: 0.288 ng

RT: 21.420 min Scan# 2462

Delta R.T. -0.004 min

Lab File: BN029158.D

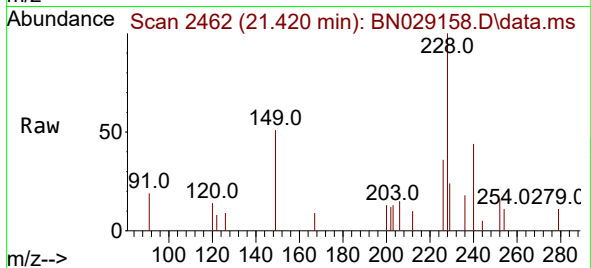
Acq: 21 Dec 2023 19:44

Instrument :

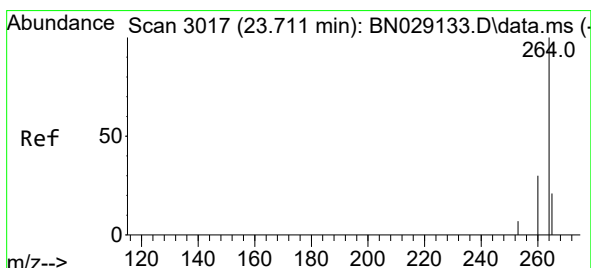
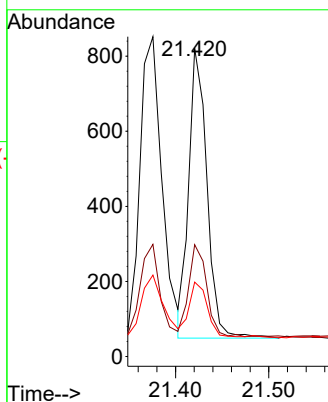
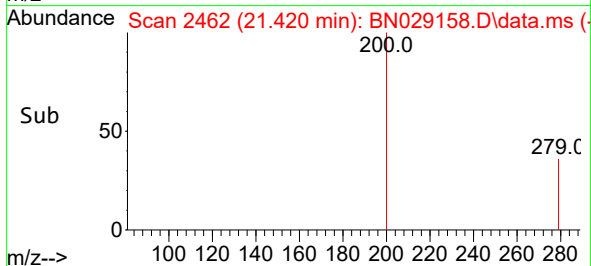
BNA\_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MS



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 1046 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 36.3  | 29.2  | 43.8 |
| 229       | 24.1  | 19.3  | 28.9 |



#35

Perylene-d12

Concen: 20.000 ng

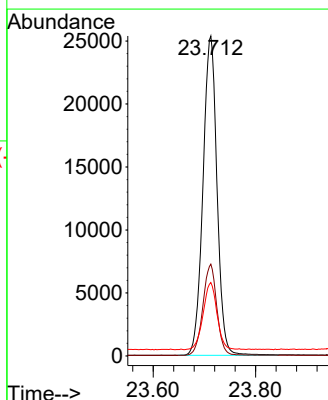
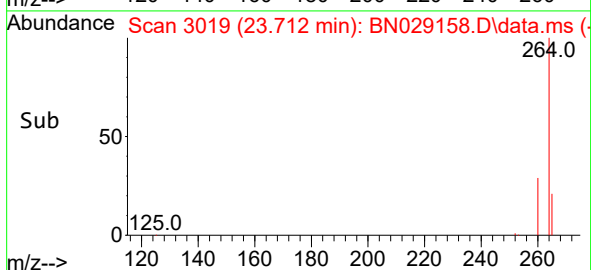
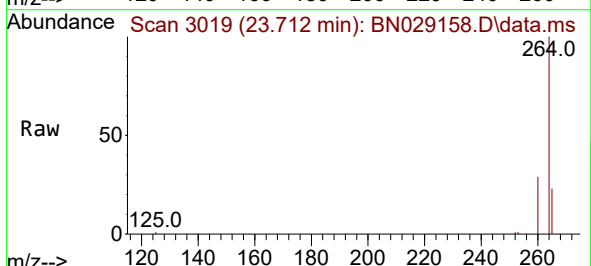
RT: 23.712 min Scan# 3019

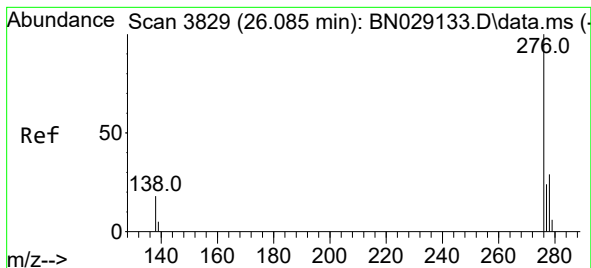
Delta R.T. 0.001 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 48322  |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 28.7  | 31.0  | 46.6#  |
| 265       | 22.9  | 105.3 | 157.9# |





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.306 ng

RT: 26.081 min Scan# 3829

Delta R.T. -0.004 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

Instrument :

BNA\_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MS

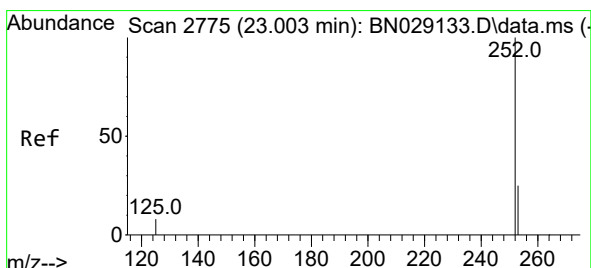
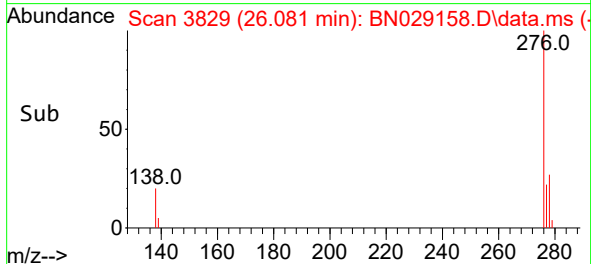
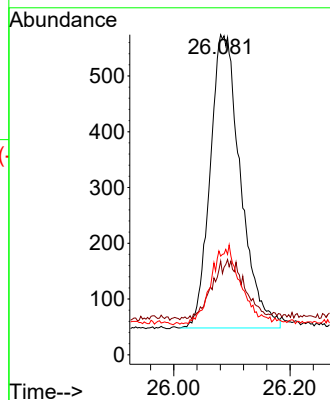
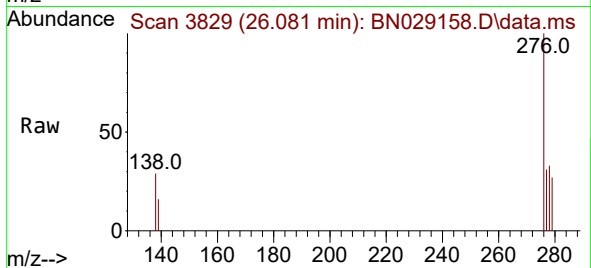
Tgt Ion:276 Resp: 1906

Ion Ratio Lower Upper

276 100

138 7.6 7.8 11.6#

277 9.7 9.2 13.8



#37

Benzo(b)fluoranthene

Concen: 0.263 ng

RT: 23.011 min Scan# 2779

Delta R.T. 0.007 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

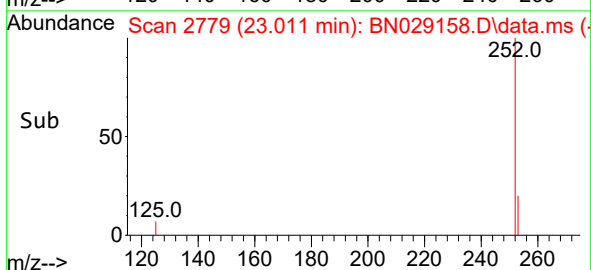
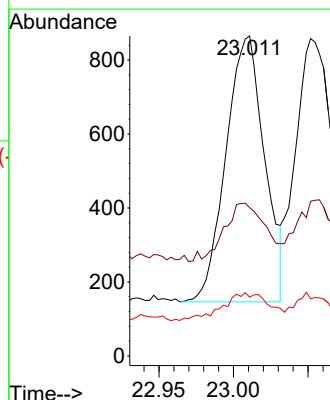
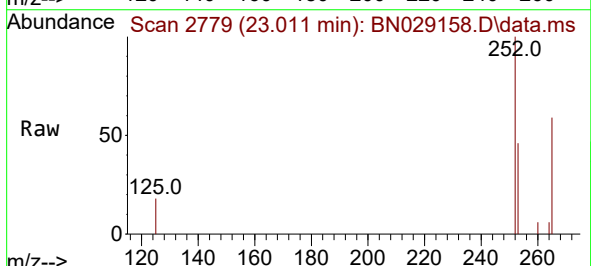
Tgt Ion:252 Resp: 1293

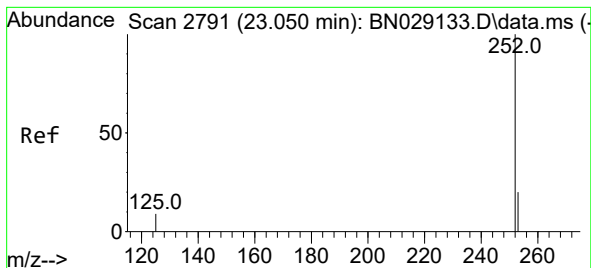
Ion Ratio Lower Upper

252 100

253 46.4 36.0 54.0

125 18.4 14.6 21.8





#38

Benzo(k)fluoranthene

Concen: 0.253 ng

RT: 23.052 min Scan# 21

Delta R.T. 0.001 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

Instrument :

BNA\_N

ClientSampleId :

TT-FRACSEDIMENT-IDWSO-20231207MS

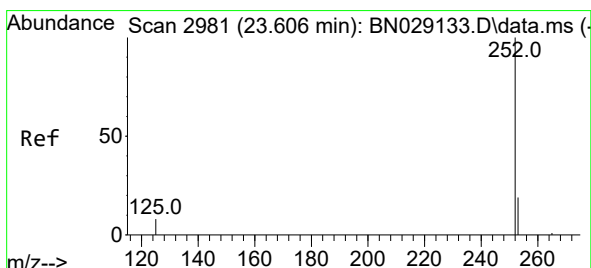
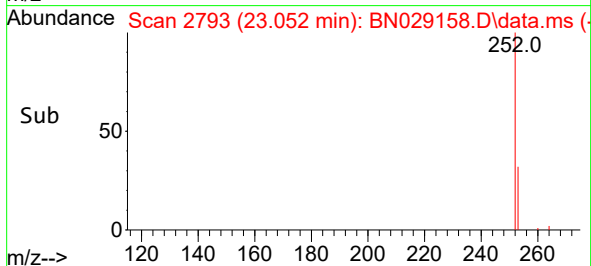
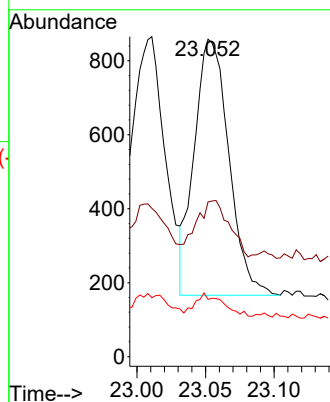
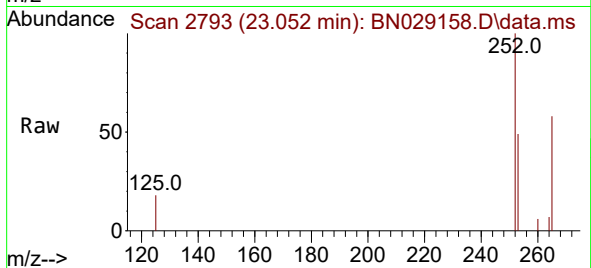
Tgt Ion:252 Resp: 1218

Ion Ratio Lower Upper

252 100

253 48.7 35.0 52.6

125 18.1 14.6 21.8



#39

Benzo(a)pyrene

Concen: 0.269 ng

RT: 23.604 min Scan# 2982

Delta R.T. -0.001 min

Lab File: BN029158.D

Acq: 21 Dec 2023 19:44

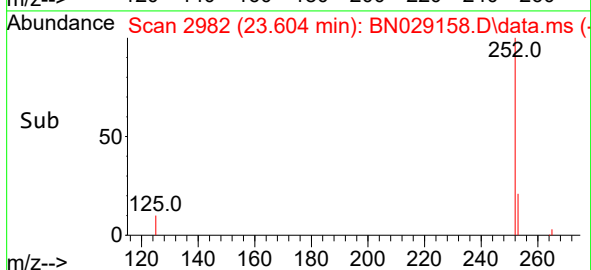
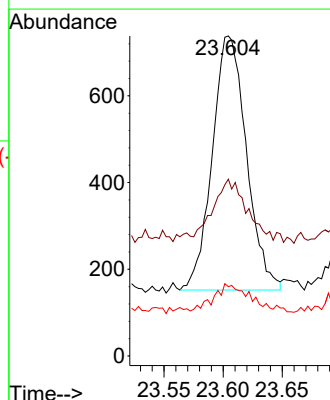
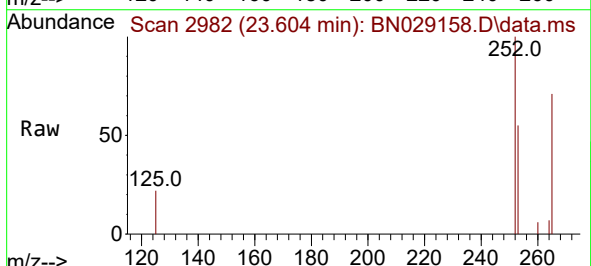
Tgt Ion:252 Resp: 1181

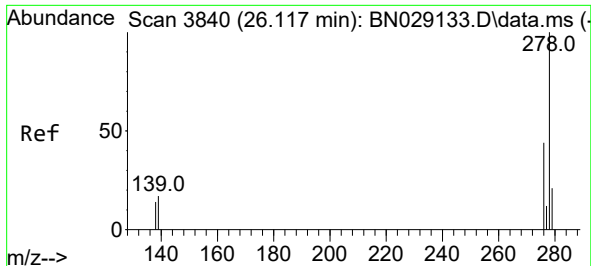
Ion Ratio Lower Upper

252 100

253 55.3 40.3 60.5

125 21.7 16.7 25.1

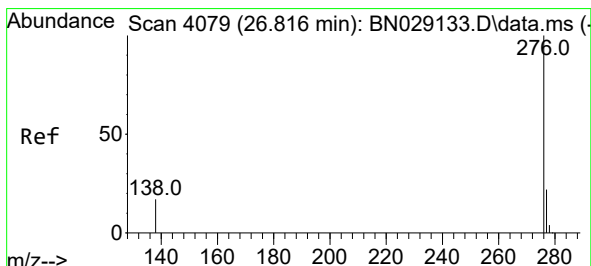
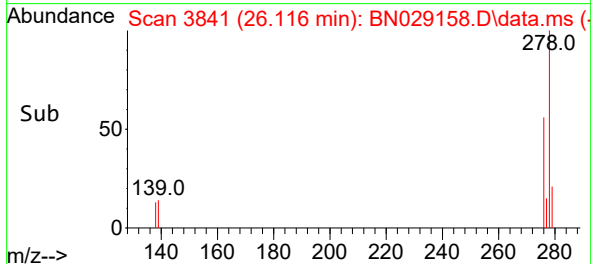
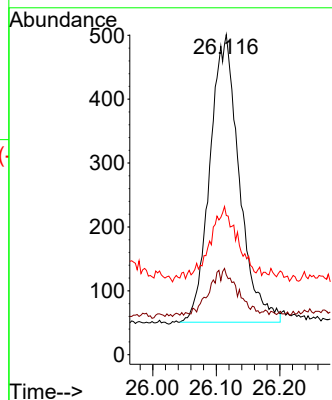
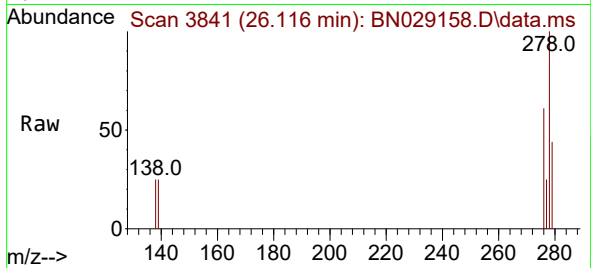




#40  
Dibenzo(a,h)anthracene  
Concen: 0.301 ng  
RT: 26.116 min Scan# 3840  
Delta R.T. -0.001 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

Instrument :  
BNA\_N  
ClientSampleId :  
TT-FRACSEDIMENT-IDWSO-20231207MS

Tgt Ion:278 Resp: 1441  
Ion Ratio Lower Upper  
278 100  
139 25.0 24.2 36.2  
279 43.5 34.9 52.3



#41  
Benzo(g,h,i)perylene  
Concen: 0.290 ng  
RT: 26.817 min Scan# 4081  
Delta R.T. 0.002 min  
Lab File: BN029158.D  
Acq: 21 Dec 2023 19:44

Tgt Ion:276 Resp: 1529  
Ion Ratio Lower Upper  
276 100  
277 31.2 25.5 38.3  
138 29.8 22.9 34.3

