

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070524\  
 Data File : BF138474.D  
 Acq On : 05 Jul 2024 18:05  
 Operator : CG\JU  
 Sample : P3159-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-04-070324

Quant Time: Jul 05 18:31:19 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 29 02:44:30 2024  
 Response via : Initial Calibration

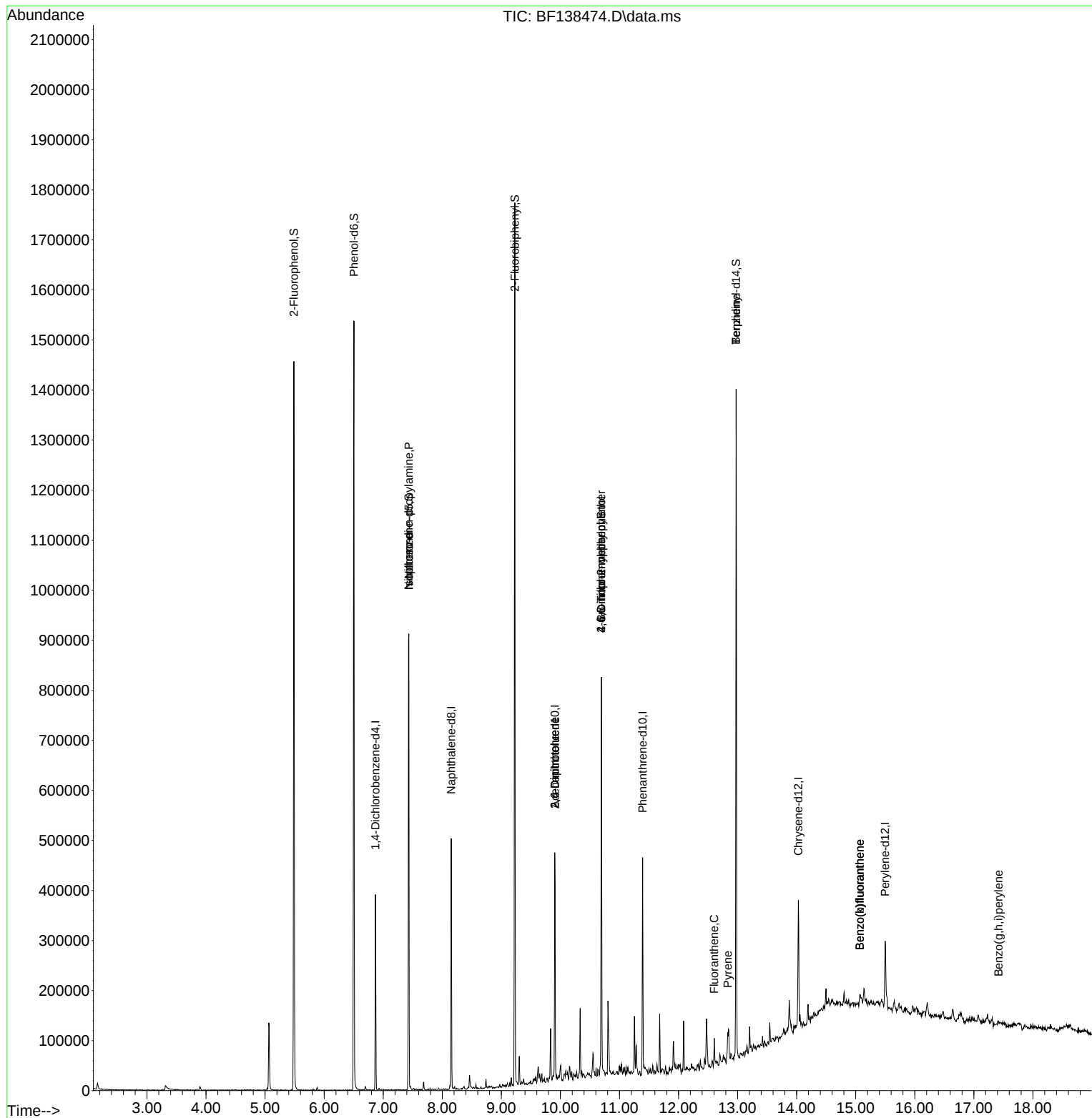
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 44922    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 175602   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.904  | 164  | 87043    | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.392 | 188  | 133104   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 81411    | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 61996    | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 319233   | 117.820 | ng    | -0.01    |
| 7) Phenol-d6                  | 6.504  | 99   | 423506   | 116.031 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 257334   | 76.126  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 75566    | 106.259 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 453952   | 82.999  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.975 | 244  | 401777   | 67.632  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 34154    | 14.843  | ng    | # 72     |
| 25) Isophorone                | 7.434  | 82   | 257369   | 41.291  | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 9.904  | 165  | 11741    | 9.371   | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.904  | 165  | 11741    | 7.611   | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 10.692 | 198  | 192      | 6.037   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 5004     | 3.498   | ng    | # 1      |
| 75) Fluoranthene              | 12.604 | 202  | 18763    | 3.220   | ng    | 99       |
| 77) Benzidine                 | 12.975 | 184  | 5917     | 9.089   | ng    | 100      |
| 78) Pyrene                    | 12.833 | 202  | 20612    | 2.369   | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.069 | 252  | 11724    | 3.447   | ng    | # 62     |
| 89) Benzo(k)fluoranthene      | 15.069 | 252  | 11724    | 3.742   | ng    | # 63     |
| 92) Benzo(g,h,i)perylene      | 17.415 | 276  | 5438     | 2.211   | ng    | # 82     |
| -----                         |        |      |          |         |       |          |

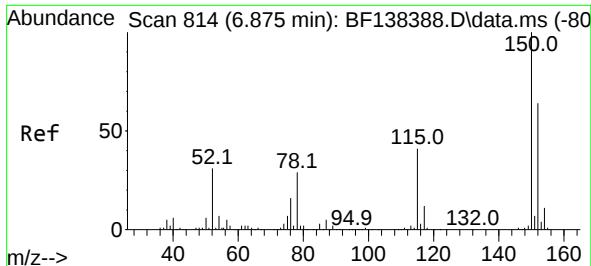
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070524\  
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Sample : P3159-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
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SU-04-070324

Quant Time: Jul 05 18:31:19 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jun 29 02:44:30 2024  
Response via : Initial Calibration

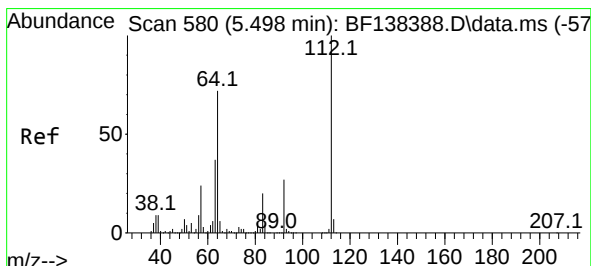
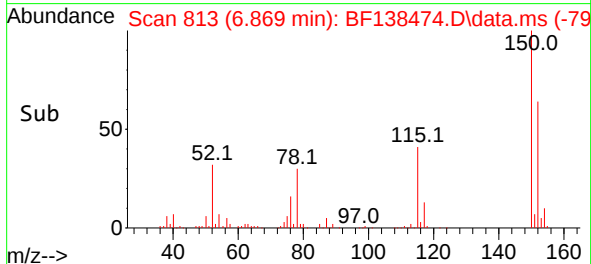
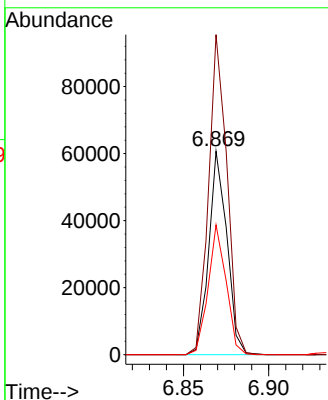
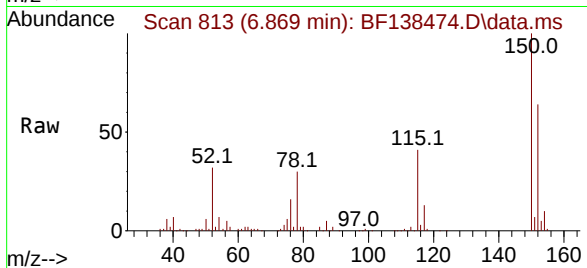




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 814  
Delta R.T. -0.006 min  
Lab File: BF138474.D  
Acq: 05 Jul 2024 18:05

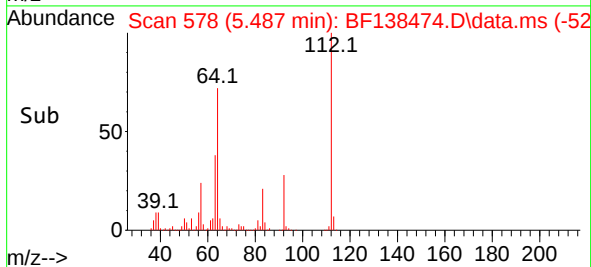
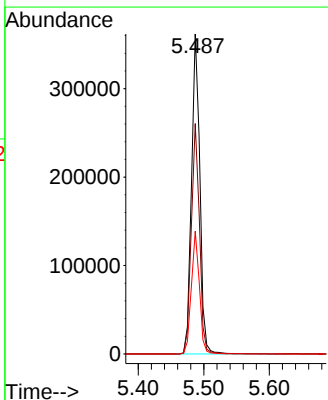
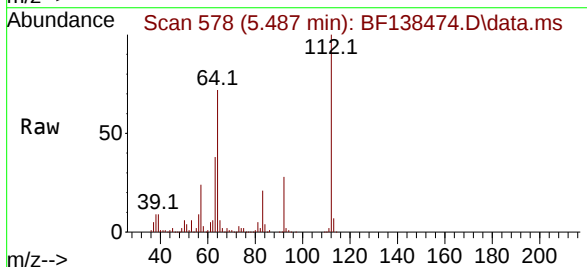
Instrument :  
BNA\_F  
ClientSampleId :  
SU-04-070324

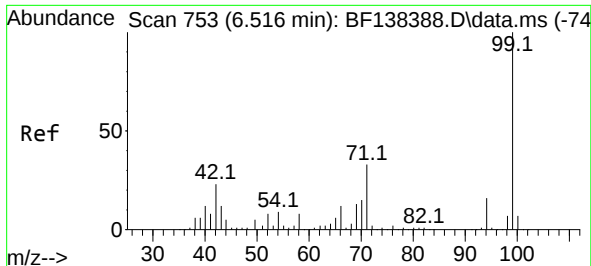
Tgt Ion:152 Resp: 44922  
Ion Ratio Lower Upper  
152 100  
150 157.3 124.9 187.3  
115 63.8 50.8 76.2



#5  
2-Fluorophenol  
Concen: 117.820 ng  
RT: 5.487 min Scan# 578  
Delta R.T. -0.012 min  
Lab File: BF138474.D  
Acq: 05 Jul 2024 18:05

Tgt Ion:112 Resp: 319233  
Ion Ratio Lower Upper  
112 100  
64 72.0 57.2 85.8  
63 38.4 29.4 44.0

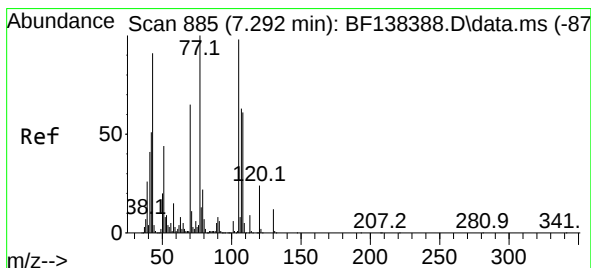
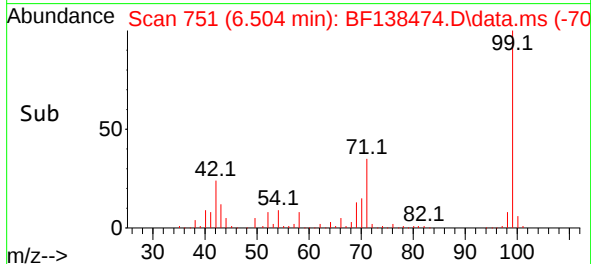
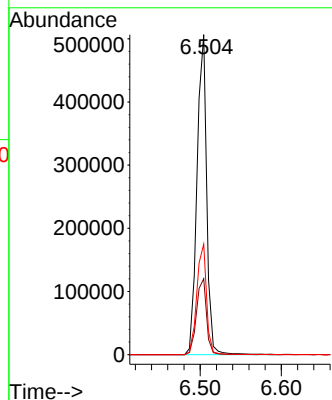
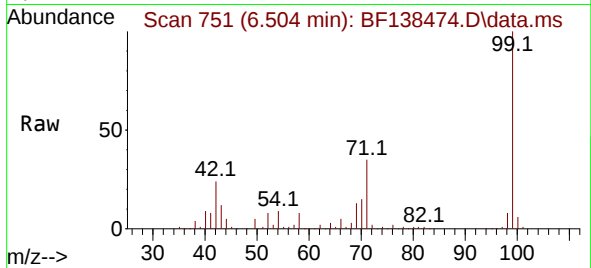




#7  
Phenol-d6  
Concen: 116.031 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF138474.D  
Acq: 05 Jul 2024 18:05

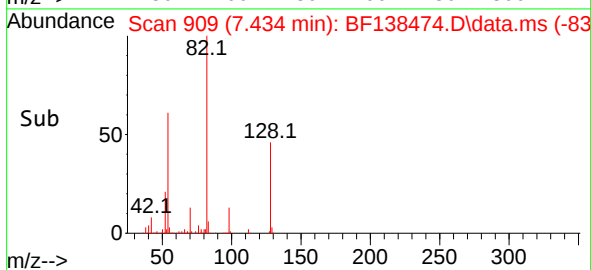
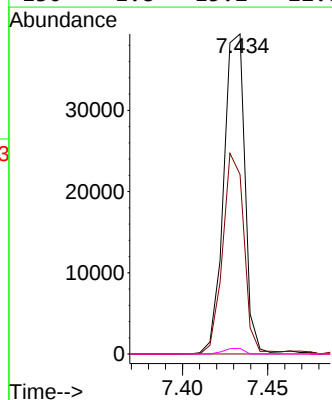
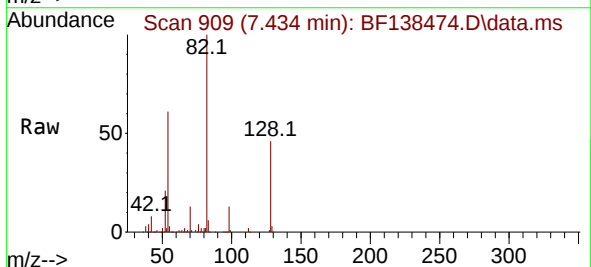
Instrument :  
BNA\_F  
ClientSampleId :  
SU-04-070324

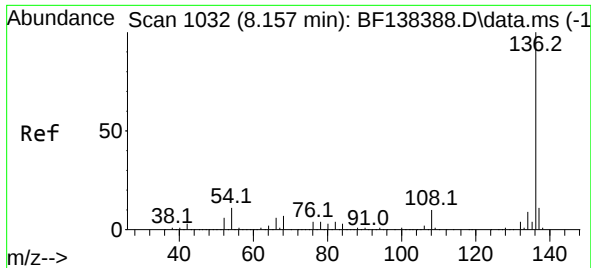
Tgt Ion: 99 Resp: 423506  
Ion Ratio Lower Upper  
99 100  
42 23.8 18.5 27.7  
71 34.6 26.1 39.1



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.843 ng  
RT: 7.434 min Scan# 909  
Delta R.T. 0.141 min  
Lab File: BF138474.D  
Acq: 05 Jul 2024 18:05

Tgt Ion: 70 Resp: 34154  
Ion Ratio Lower Upper  
70 100  
42 56.1 62.5 93.7#  
101 0.0 7.0 10.4#  
130 1.8 15.2 22.8#

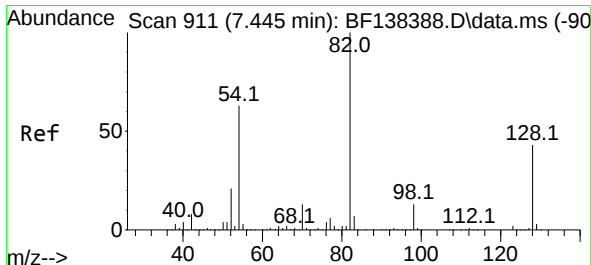
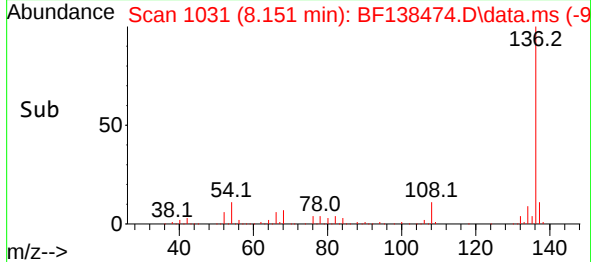
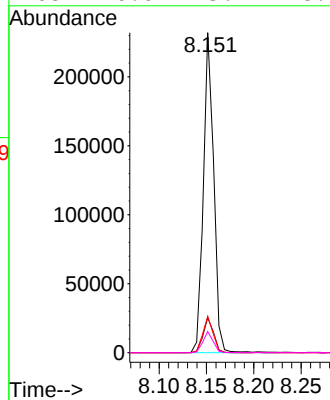
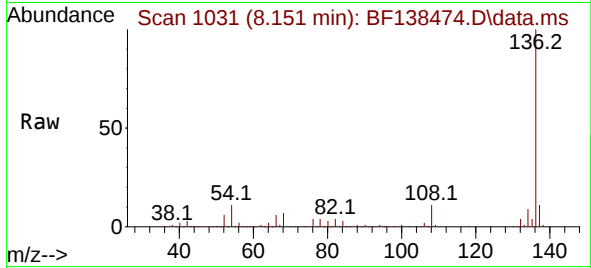




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1032  
Delta R.T. -0.006 min  
Lab File: BF138474.D  
Acq: 05 Jul 2024 18:05

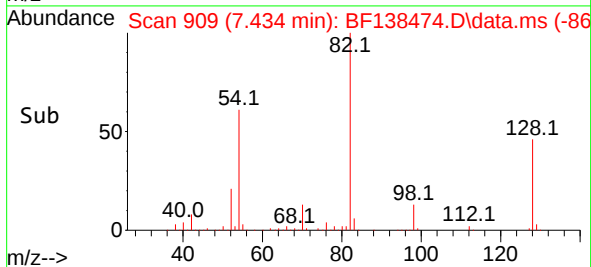
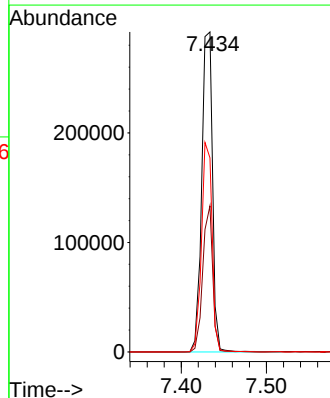
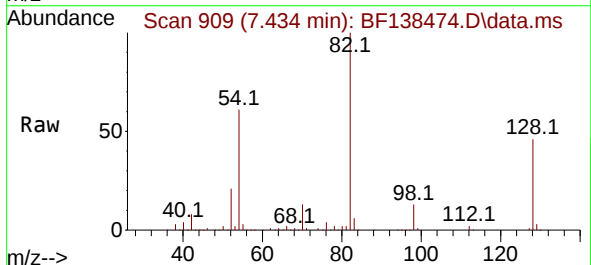
Instrument :  
BNA\_F  
ClientSampleId :  
SU-04-070324

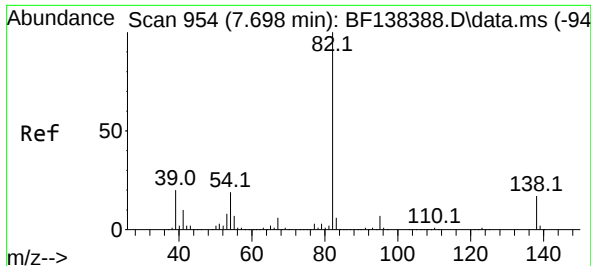
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 175602 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.8   | 13.2   |
| 54       | 11.4  | 9.0   | 13.4   |
| 68       | 6.6   | 5.4   | 8.0    |



#23  
Nitrobenzene-d5  
Concen: 76.126 ng  
RT: 7.434 min Scan# 909  
Delta R.T. -0.012 min  
Lab File: BF138474.D  
Acq: 05 Jul 2024 18:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 257334 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.7  | 34.6  | 52.0   |
| 54       | 60.6  | 50.5  | 75.7   |

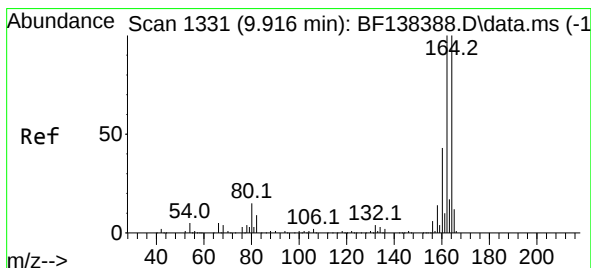
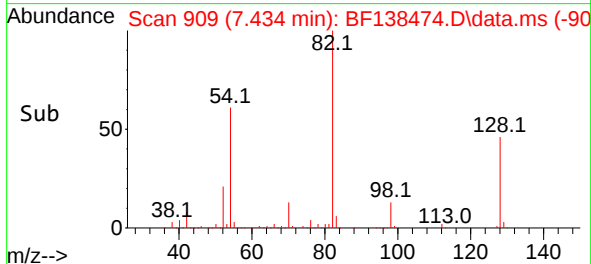
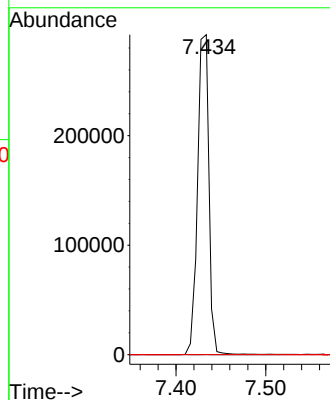
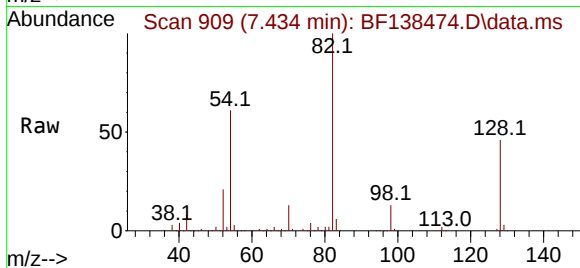




#25  
Isophorone  
Concen: 41.291 ng  
RT: 7.434 min Scan# 90  
Delta R.T. -0.264 min  
Lab File: BF138474.D  
Acq: 05 Jul 2024 18:05

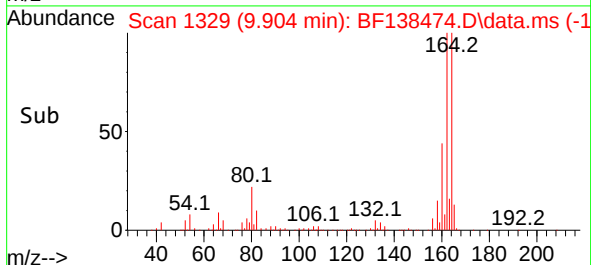
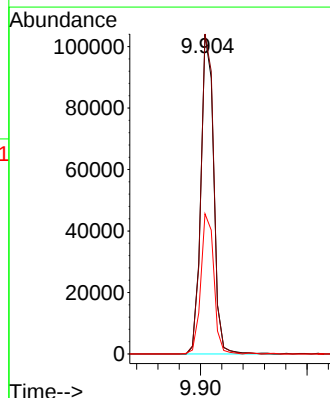
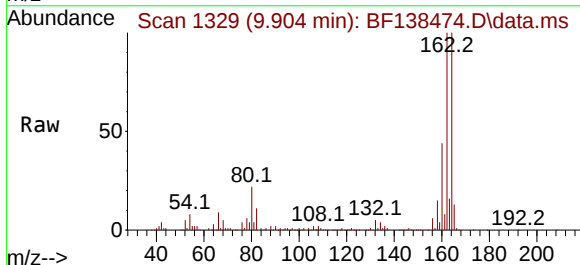
Instrument :  
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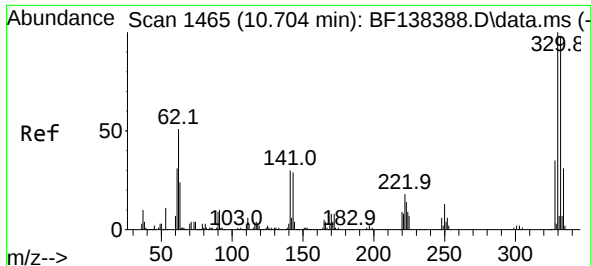
Tgt Ion: 82 Resp: 257369  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.7 8.5#  
138 0.0 13.4 20.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.904 min Scan# 1329  
Delta R.T. -0.012 min  
Lab File: BF138474.D  
Acq: 05 Jul 2024 18:05

Tgt Ion: 164 Resp: 87043  
Ion Ratio Lower Upper  
164 100  
162 100.3 80.1 120.1  
160 43.9 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 106.259 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.012 min

Lab File: BF138474.D

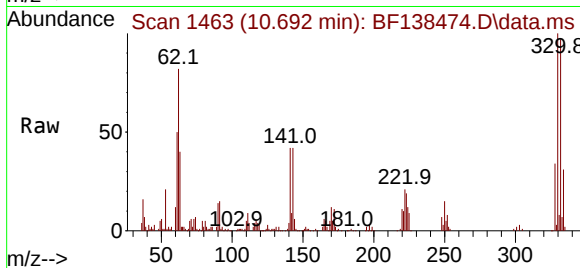
Acq: 05 Jul 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

SU-04-070324



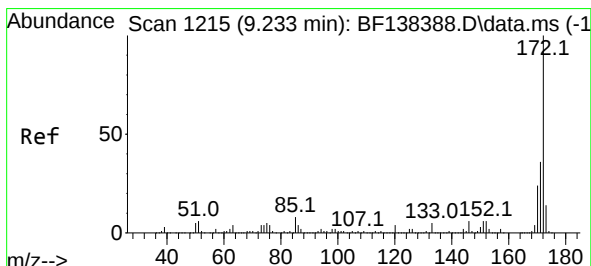
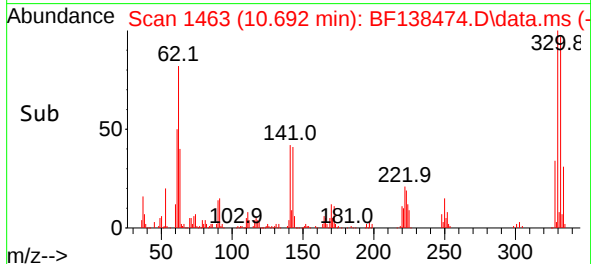
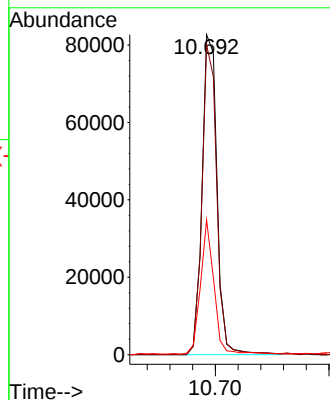
Tgt Ion:330 Resp: 75566

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

141 37.5 28.1 42.1



#45

2-Fluorobiphenyl

Concen: 82.999 ng

RT: 9.228 min Scan# 1214

Delta R.T. -0.005 min

Lab File: BF138474.D

Acq: 05 Jul 2024 18:05

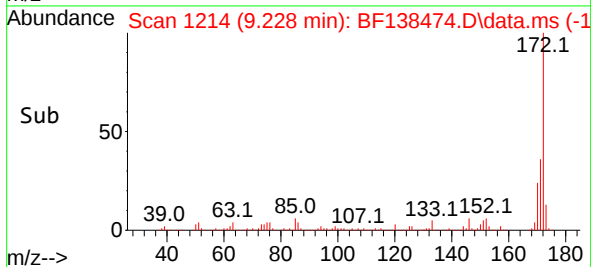
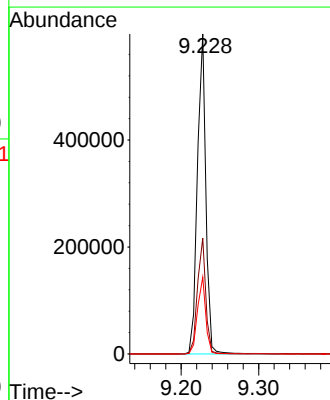
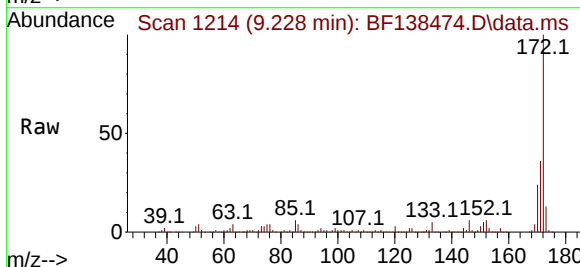
Tgt Ion:172 Resp: 453952

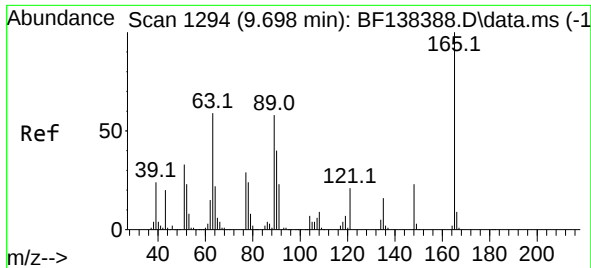
Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.4

170 24.0 19.0 28.6

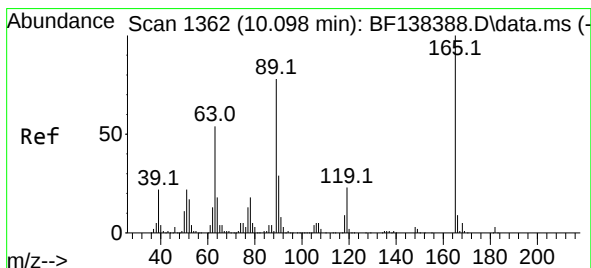
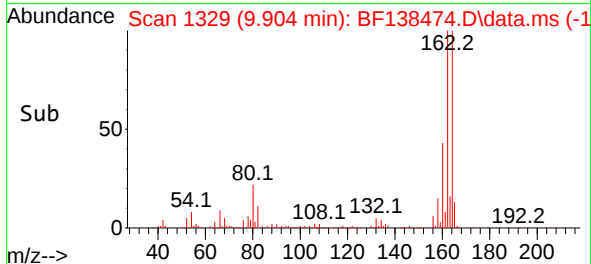
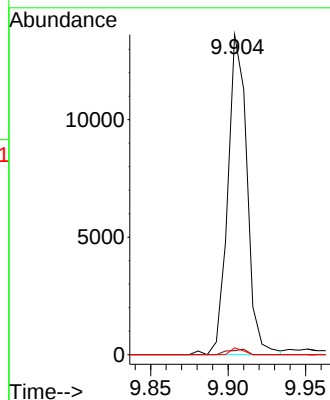
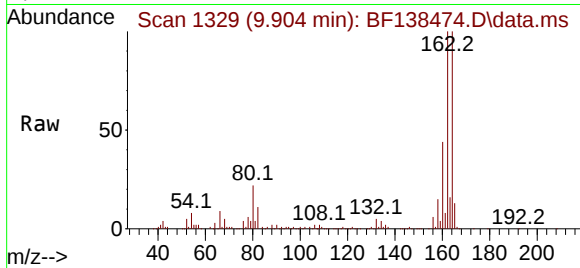




#51  
2,6-Dinitrotoluene  
Concen: 9.371 ng  
RT: 9.904 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF138474.D  
Acq: 05 Jul 2024 18:05

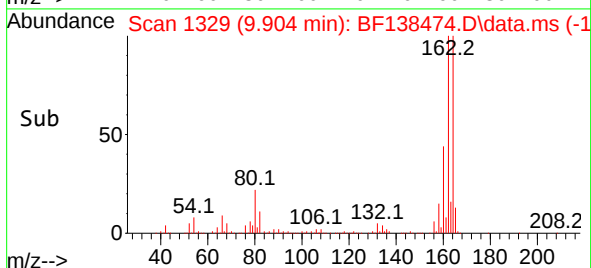
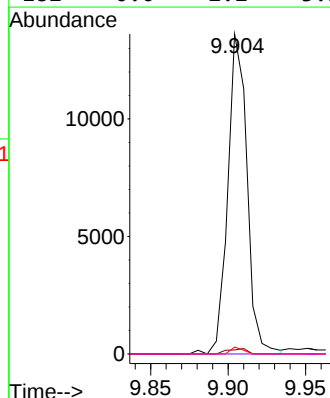
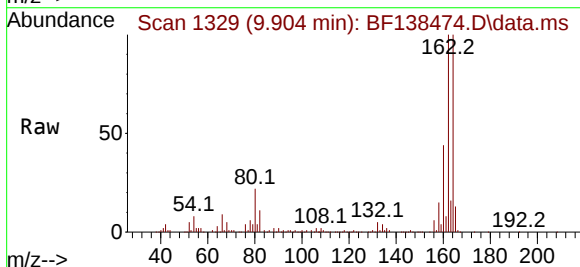
Instrument :  
BNA\_F  
ClientSampleId :  
SU-04-070324

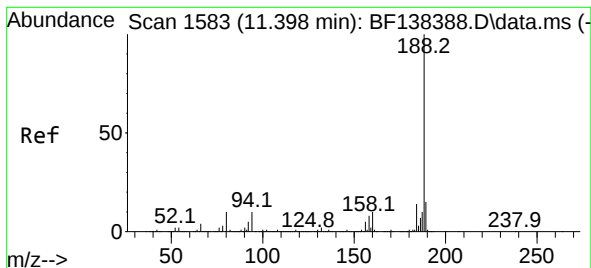
Tgt Ion:165 Resp: 11741  
Ion Ratio Lower Upper  
165 100  
63 1.3 53.8 80.8#  
89 2.1 46.4 69.6#



#57  
2,4-Dinitrotoluene  
Concen: 7.611 ng  
RT: 9.904 min Scan# 1329  
Delta R.T. -0.194 min  
Lab File: BF138474.D  
Acq: 05 Jul 2024 18:05

Tgt Ion:165 Resp: 11741  
Ion Ratio Lower Upper  
165 100  
63 1.3 43.4 65.2#  
89 2.1 62.6 93.8#  
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138474.D

Acq: 05 Jul 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

SU-04-070324

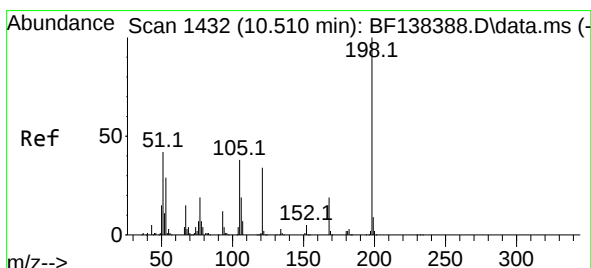
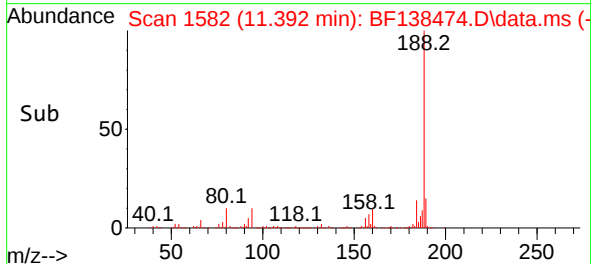
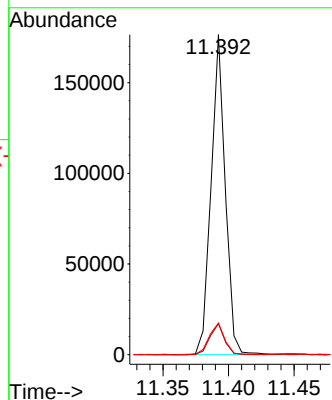
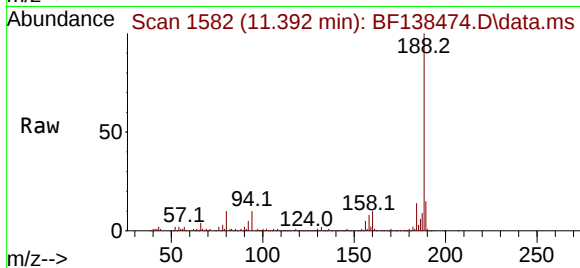
Tgt Ion:188 Resp: 133104

Ion Ratio Lower Upper

188 100

94 9.7 8.0 12.0

80 9.9 8.2 12.4



#65

4,6-Dinitro-2-methylphenol

Concen: 6.037 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.182 min

Lab File: BF138474.D

Acq: 05 Jul 2024 18:05

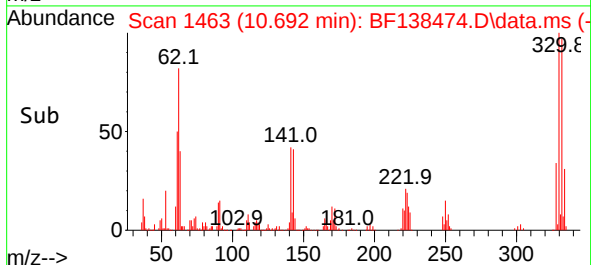
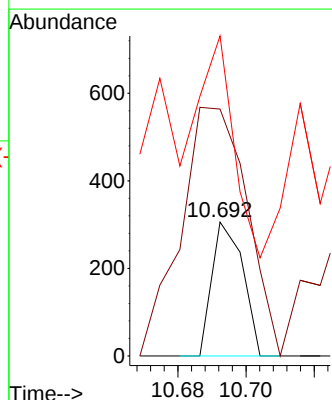
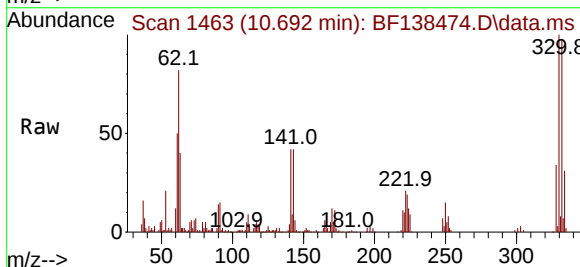
Tgt Ion:198 Resp: 192

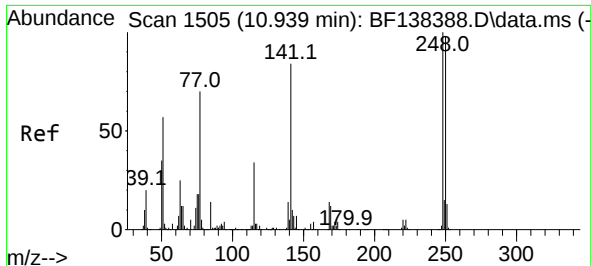
Ion Ratio Lower Upper

198 100

51 184.3 27.9 67.9#

105 238.9 18.2 58.2#





#67

4-Bromophenyl-phenylether

Concen: 3.498 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF138474.D

Acq: 05 Jul 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

SU-04-070324

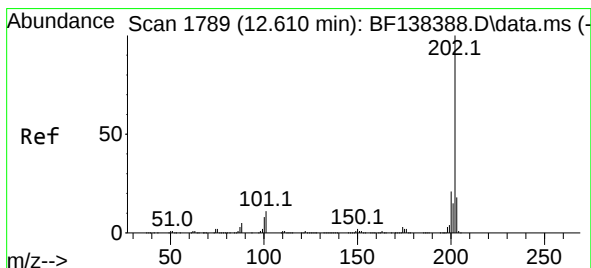
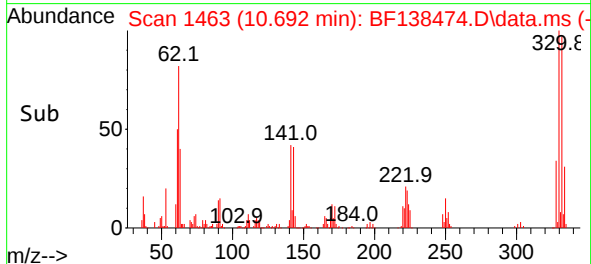
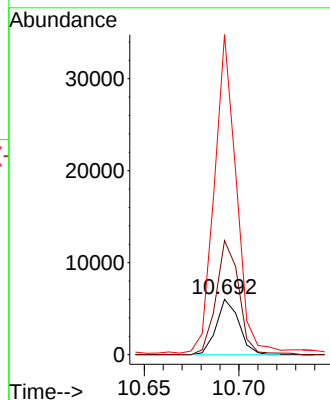
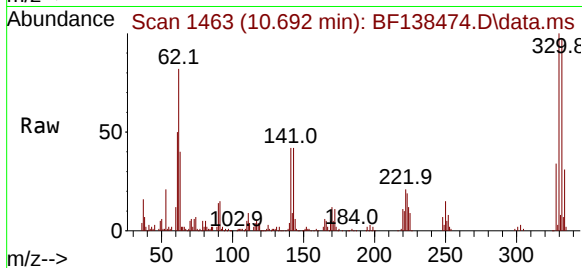
Tgt Ion:248 Resp: 5004

Ion Ratio Lower Upper

248 100

250 205.7 78.2 117.4#

141 577.3 67.6 101.4#



#75

Fluoranthene

Concen: 3.220 ng

RT: 12.604 min Scan# 1788

Delta R.T. -0.006 min

Lab File: BF138474.D

Acq: 05 Jul 2024 18:05

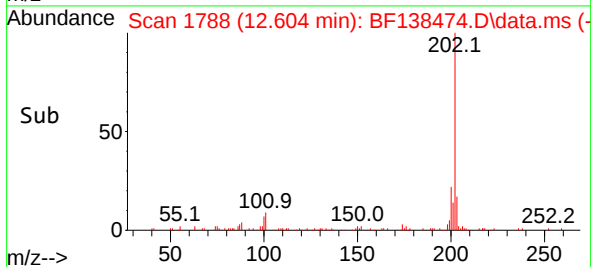
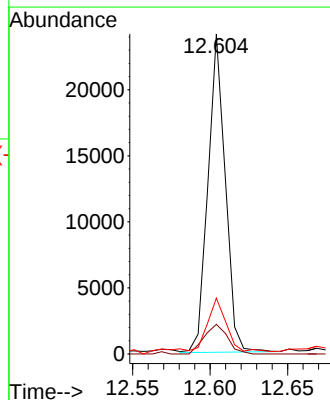
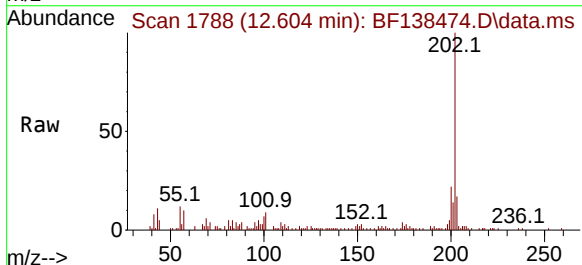
Tgt Ion:202 Resp: 18763

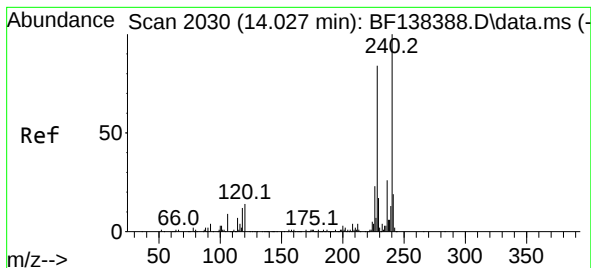
Ion Ratio Lower Upper

202 100

101 9.2 0.0 30.5

203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF138474.D

Acq: 05 Jul 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

SU-04-070324

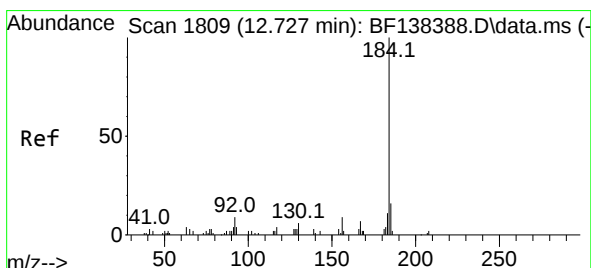
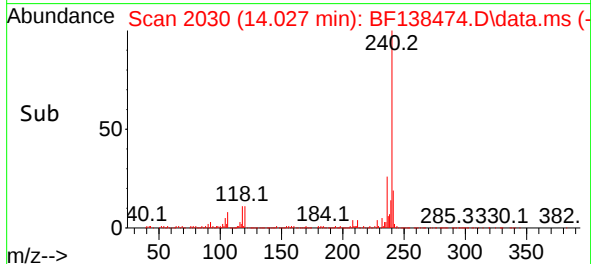
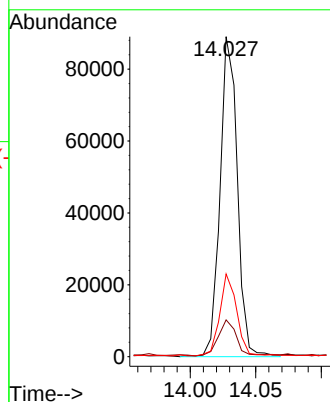
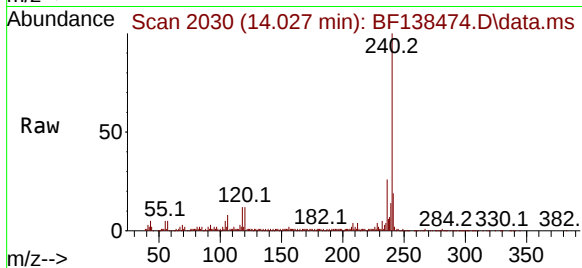
Tgt Ion:240 Resp: 81411

Ion Ratio Lower Upper

240 100

120 11.5 10.9 16.3

236 25.8 20.6 30.8



#77

Benzidine

Concen: 9.089 ng

RT: 12.975 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF138474.D

Acq: 05 Jul 2024 18:05

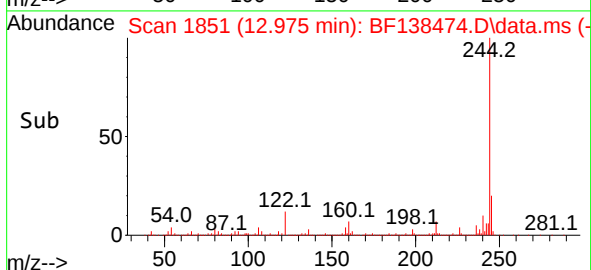
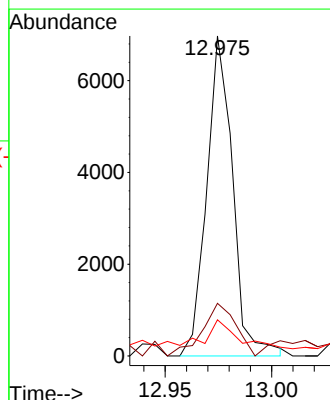
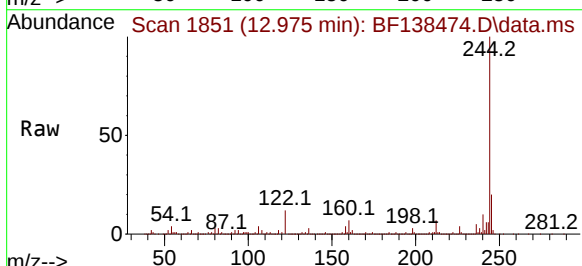
Tgt Ion:184 Resp: 5917

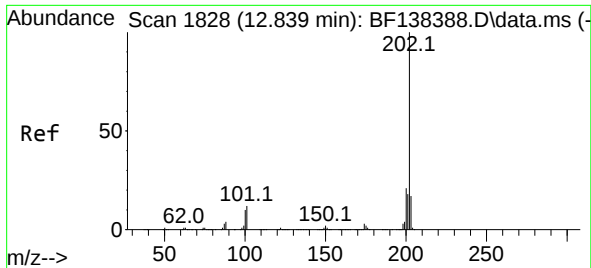
Ion Ratio Lower Upper

184 100

185 16.4 13.0 19.4

183 11.3 9.0 13.6

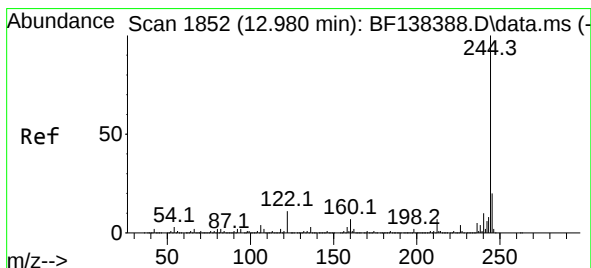
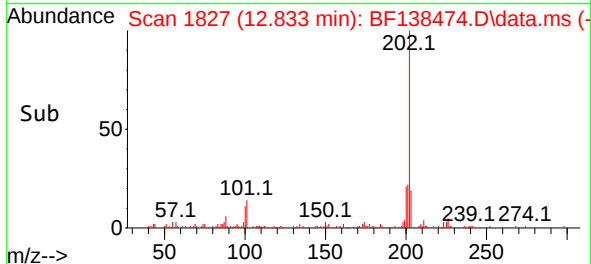
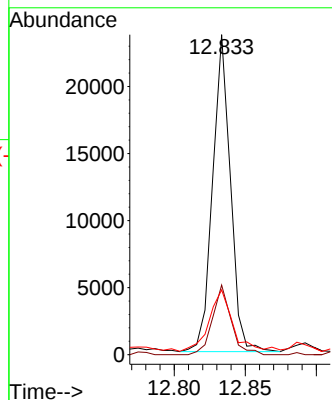
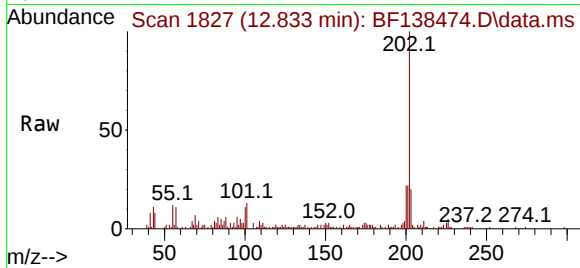




#78  
Pyrene  
Concen: 2.369 ng  
RT: 12.833 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF138474.D  
Acq: 05 Jul 2024 18:05

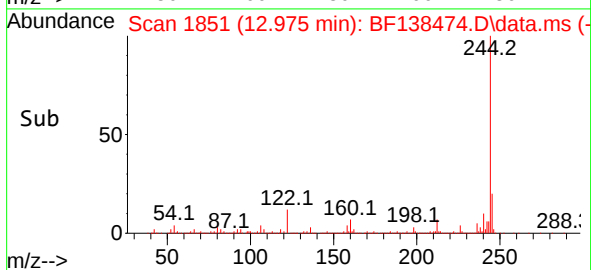
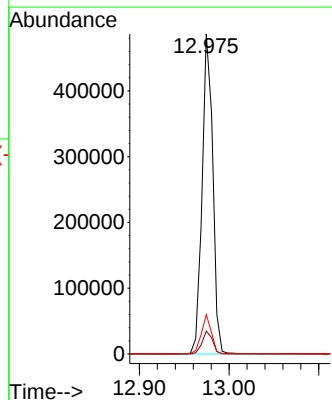
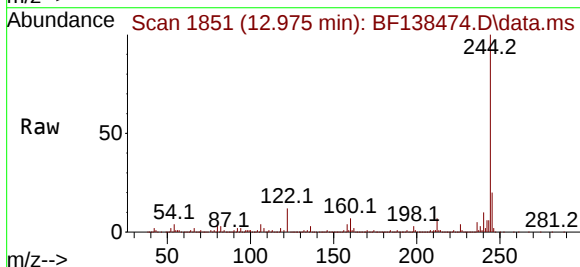
Instrument :  
BNA\_F  
ClientSampleId :  
SU-04-070324

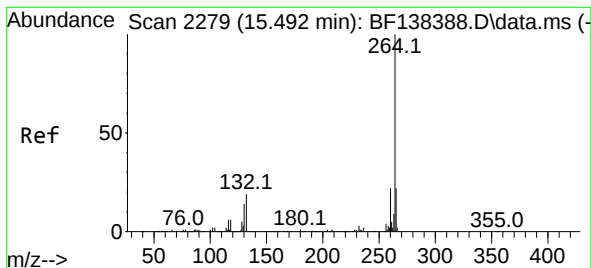
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 20612 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 21.7  | 16.9  | 25.3  |
| 203       | 20.3  | 13.8  | 20.8  |



#79  
Terphenyl-d14  
Concen: 67.632 ng  
RT: 12.975 min Scan# 1851  
Delta R.T. -0.005 min  
Lab File: BF138474.D  
Acq: 05 Jul 2024 18:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 401777 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.2   | 5.6   | 8.4    |
| 122       | 12.3  | 9.0   | 13.4   |





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138474.D

Acq: 05 Jul 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

SU-04-070324

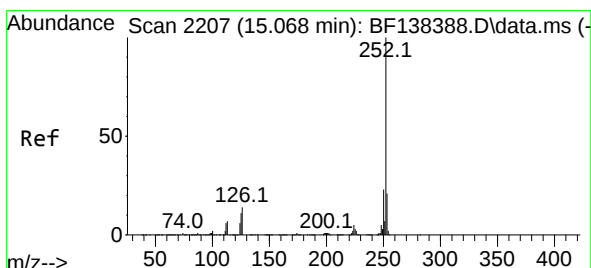
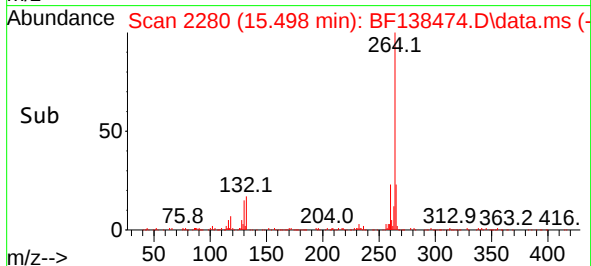
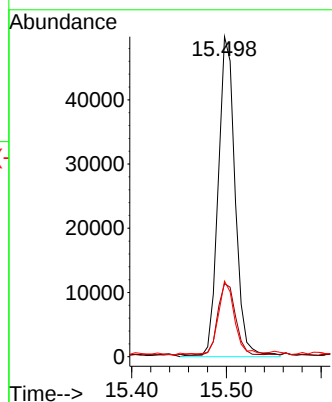
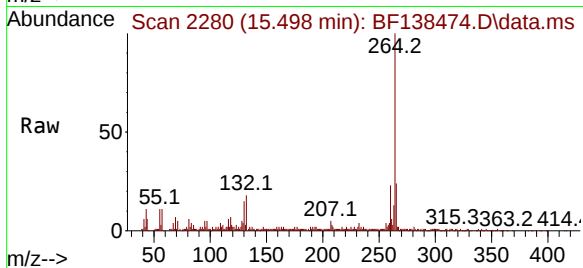
Tgt Ion:264 Resp: 61996

Ion Ratio Lower Upper

264 100

260 22.9 17.8 26.6

265 23.6 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 3.447 ng

RT: 15.069 min Scan# 2207

Delta R.T. 0.000 min

Lab File: BF138474.D

Acq: 05 Jul 2024 18:05

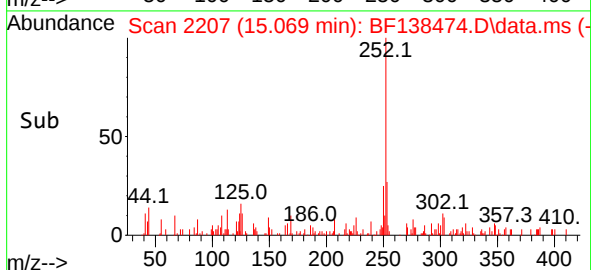
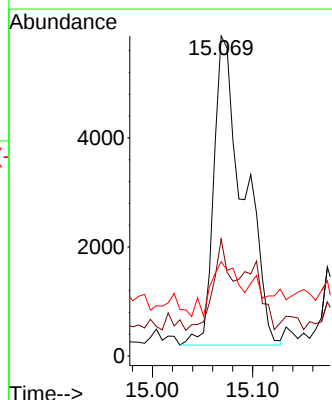
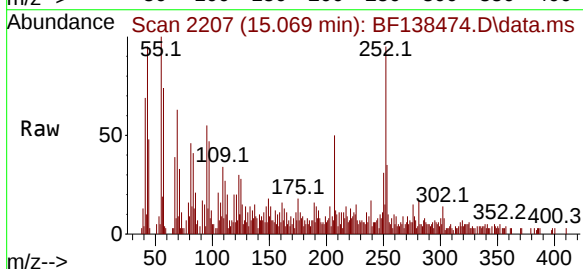
Tgt Ion:252 Resp: 11724

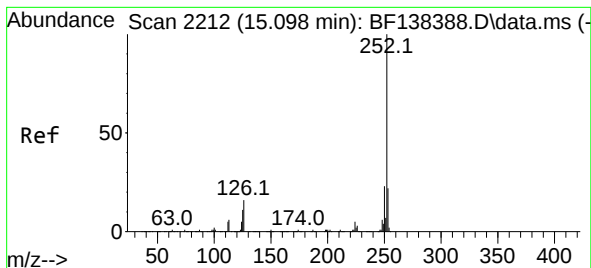
Ion Ratio Lower Upper

252 100

253 36.6 17.0 25.4#

125 29.4 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 3.742 ng

RT: 15.069 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF138474.D

Acq: 05 Jul 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

SU-04-070324

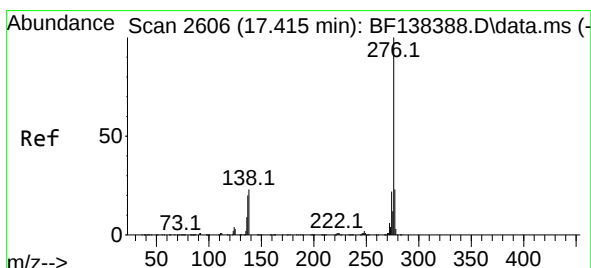
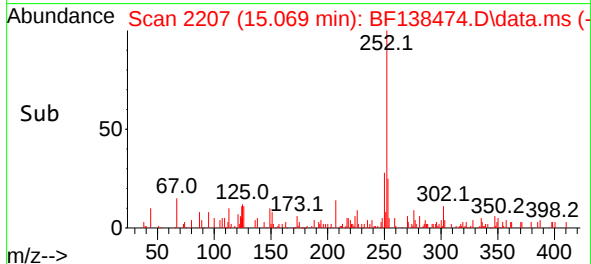
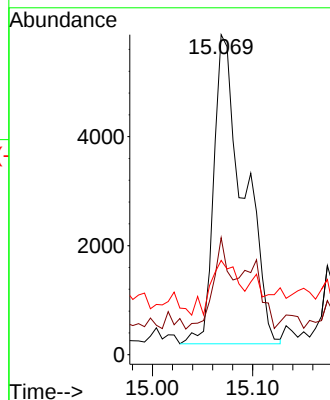
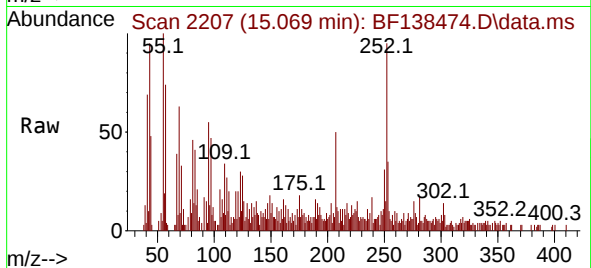
Tgt Ion:252 Resp: 11724

Ion Ratio Lower Upper

252 100

253 36.6 17.4 26.2#

125 29.4 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 2.211 ng

RT: 17.415 min Scan# 2606

Delta R.T. 0.000 min

Lab File: BF138474.D

Acq: 05 Jul 2024 18:05

Tgt Ion:276 Resp: 5438

Ion Ratio Lower Upper

276 100

277 21.3 18.3 27.5

138 38.8 18.3 27.5#

