

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062024\  
 Data File : BF138276.D  
 Acq On : 20 Jun 2024 22:12  
 Operator : CG\JU  
 Sample : P2955-05RE  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1

Quant Time: Jun 21 01:21:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 13 01:52:47 2024  
 Response via : Initial Calibration

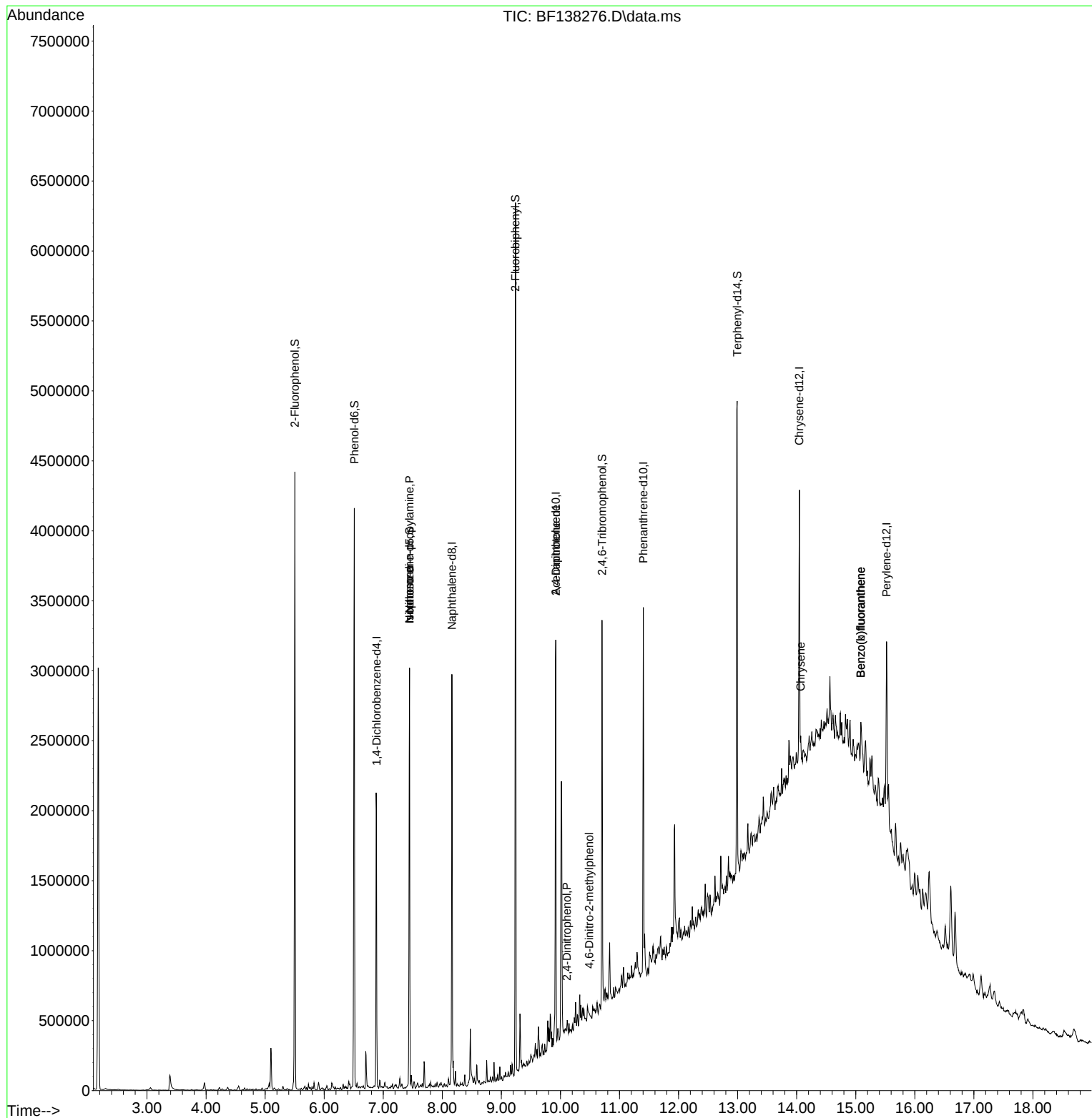
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.886  | 152  | 316193   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 1181658  | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.922  | 164  | 604419   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 873361   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 14.045 | 240  | 612593   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 638806   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 1194954  | 63.219 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 1444937  | 60.286 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 910939   | 44.879 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 352350   | 58.558 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 1702105  | 44.780 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.992 | 244  | 1290403  | 33.363 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 118382   | 8.333  | ng    | # 76     |
| 25) Isophorone                | 7.445  | 82   | 910175   | 24.791 | ng    | # 62     |
| 54) 2,4-Dinitrophenol         | 10.110 | 184  | 56       | 4.223  | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 83367    | 8.413  | ng    | # 31     |
| 65) 4,6-Dinitro-2-methylph... | 10.486 | 198  | 566      | 7.043  | ng    | # 1      |
| 83) Chrysene                  | 14.068 | 228  | 89221    | 2.382  | ng    | # 85     |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 121343   | 3.221  | ng    | # 59     |
| 89) Benzo(k)fluoranthene      | 15.086 | 252  | 121343   | 3.287  | ng    | # 59     |
| -----                         |        |      |          |        |       |          |

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

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Quant Time: Jun 21 01:21:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 13 01:52:47 2024  
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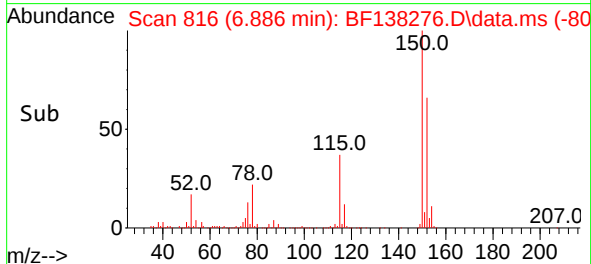
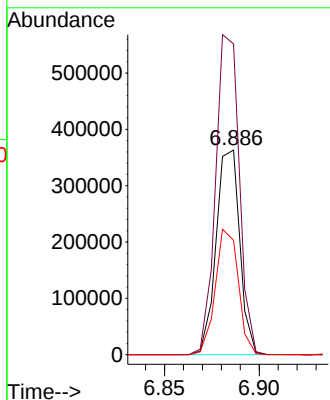
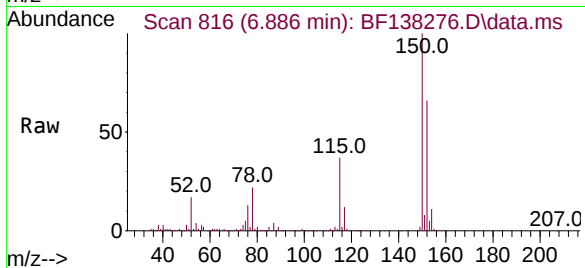




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.886 min Scan# 81  
 Delta R.T. -0.007 min  
 Lab File: BF138276.D  
 Acq: 20 Jun 2024 22:12

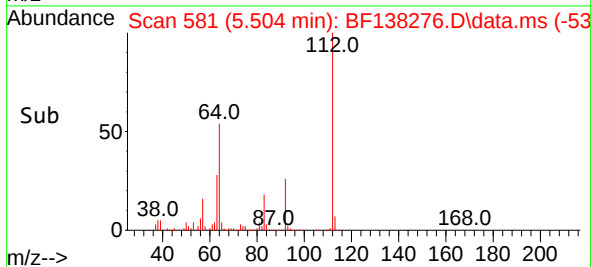
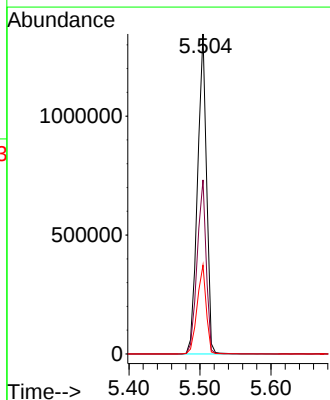
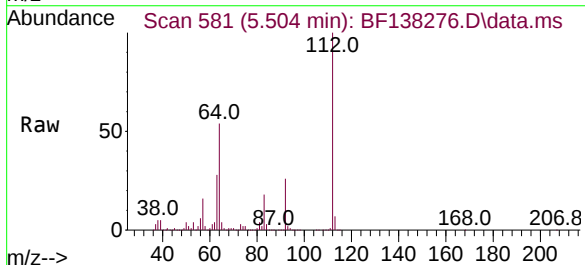
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1

Tgt Ion:152 Resp: 316193  
 Ion Ratio Lower Upper  
 152 100  
 150 151.8 125.0 187.4  
 115 55.9 48.4 72.6



#5  
 2-Fluorophenol  
 Concen: 63.219 ng  
 RT: 5.504 min Scan# 581  
 Delta R.T. -0.006 min  
 Lab File: BF138276.D  
 Acq: 20 Jun 2024 22:12

Tgt Ion:112 Resp: 1194954  
 Ion Ratio Lower Upper  
 112 100  
 64 54.4 45.2 67.8  
 63 27.7 22.9 34.3





#7

Phenol-d6

Concen: 60.286 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF138276.D

Acq: 20 Jun 2024 22:12

Instrument :

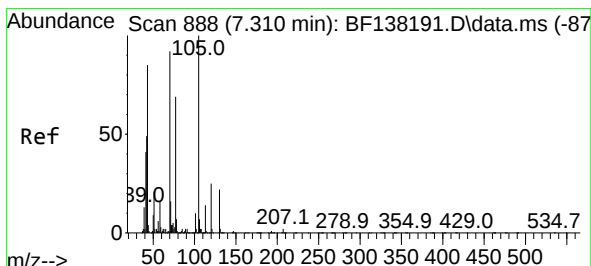
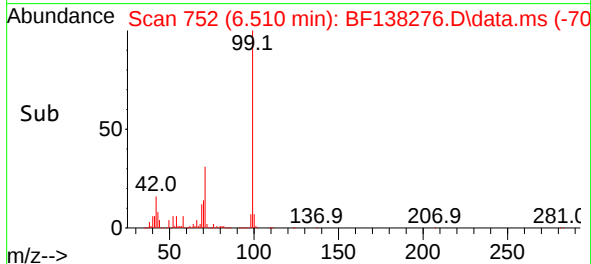
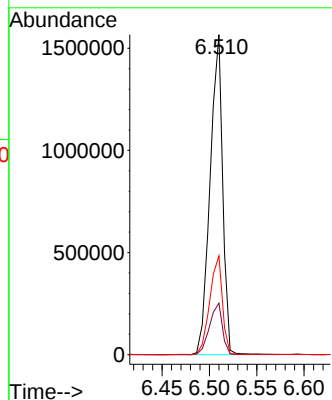
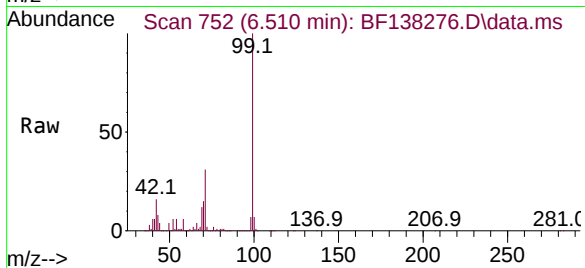
BNA\_F

ClientSampleId :

TP-1

Tgt Ion: 99 Resp: 1444937

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.1  | 13.7  | 20.5  |
| 71  | 30.9  | 25.0  | 37.6  |



#19

n-Nitroso-di-n-propylamine

Concen: 8.333 ng

RT: 7.445 min Scan# 911

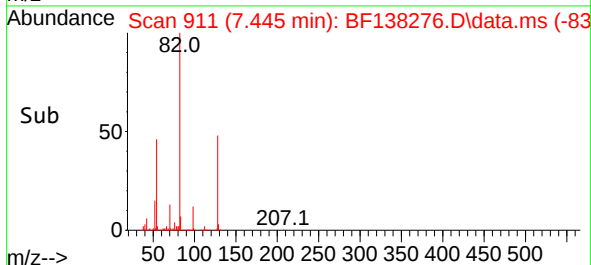
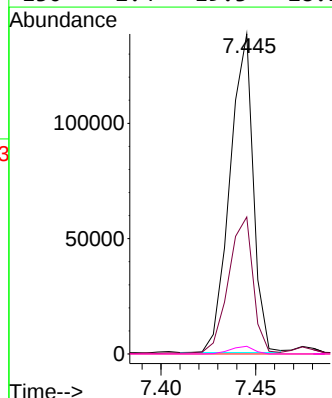
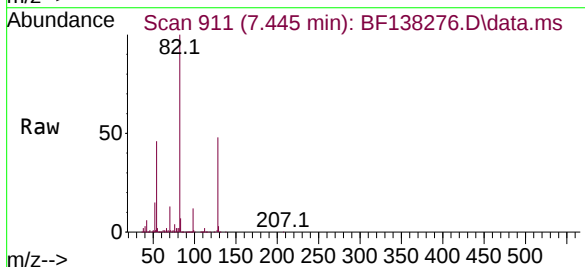
Delta R.T. 0.135 min

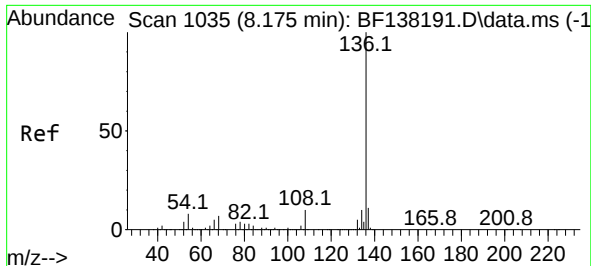
Lab File: BF138276.D

Acq: 20 Jun 2024 22:12

Tgt Ion: 70 Resp: 118382

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 42.8  | 42.8  | 64.2# |
| 101 | 0.0   | 8.4   | 12.6# |
| 130 | 2.4   | 19.3  | 28.9# |



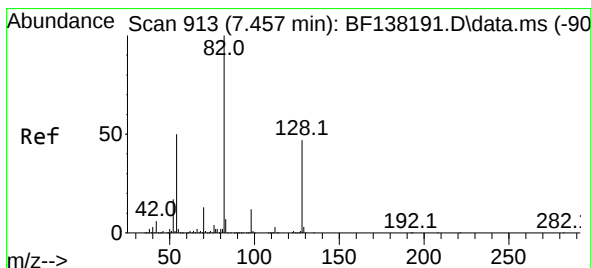
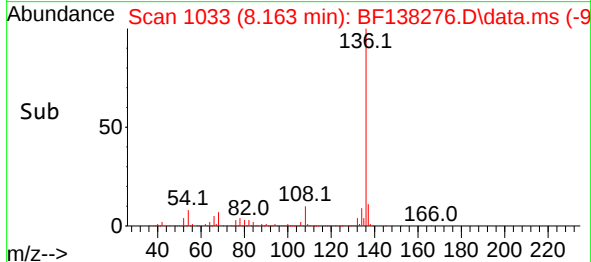
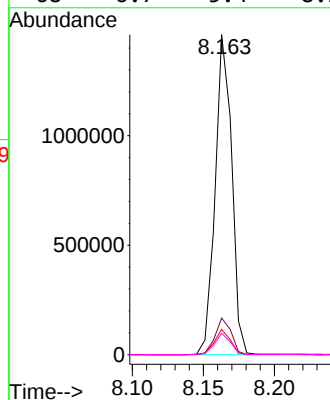
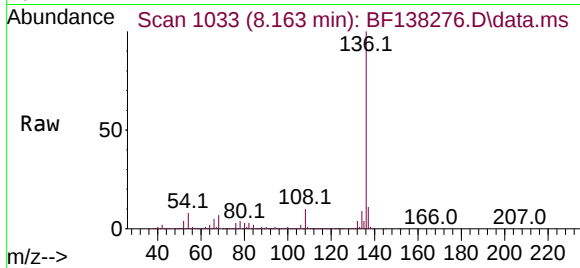


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1033  
Delta R.T. -0.012 min  
Lab File: BF138276.D  
Acq: 20 Jun 2024 22:12

Instrument :  
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Tgt Ion:136 Resp: 1181658

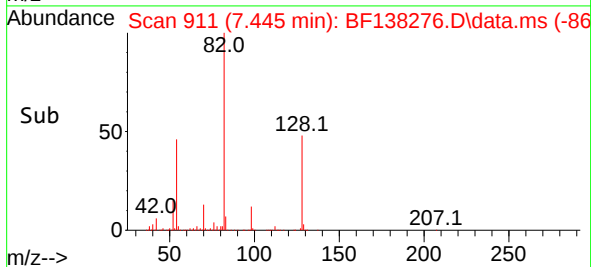
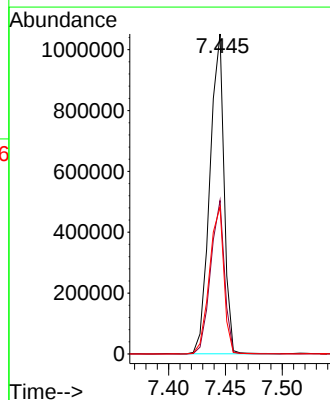
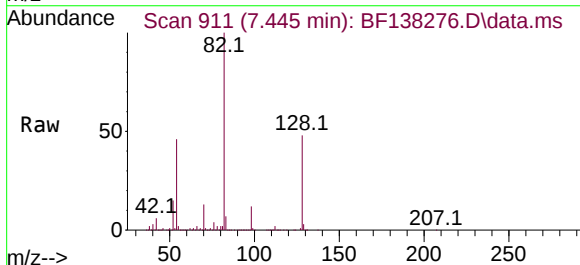
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.5  | 9.1   | 13.7  |
| 54  | 7.9   | 6.6   | 10.0  |
| 68  | 6.7   | 5.4   | 8.2   |

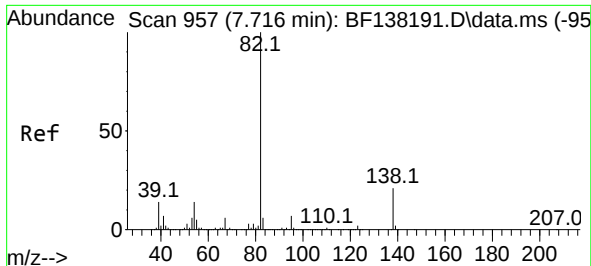


#23  
Nitrobenzene-d5  
Concen: 44.879 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.012 min  
Lab File: BF138276.D  
Acq: 20 Jun 2024 22:12

Tgt Ion: 82 Resp: 910939

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 48.0  | 37.2  | 55.8  |
| 54  | 45.9  | 39.8  | 59.6  |

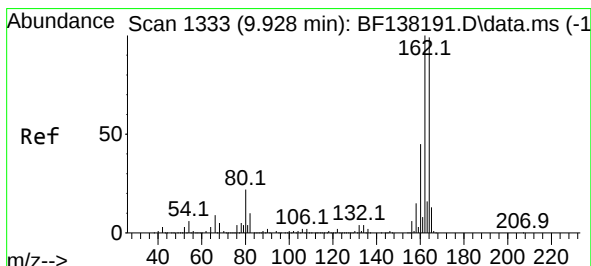
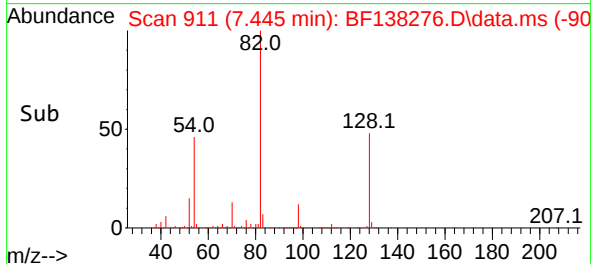
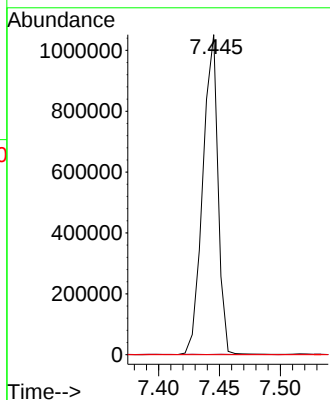
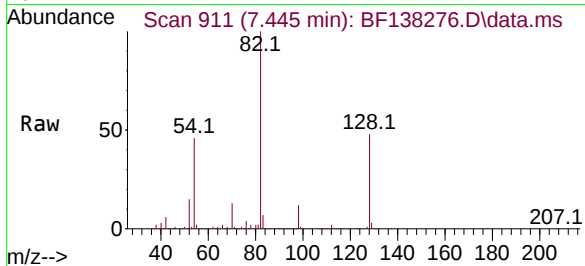




#25  
Isophorone  
Concen: 24.791 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.271 min  
Lab File: BF138276.D  
Acq: 20 Jun 2024 22:12

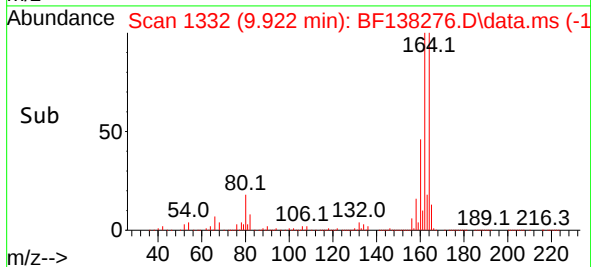
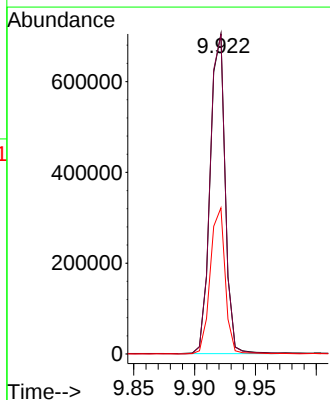
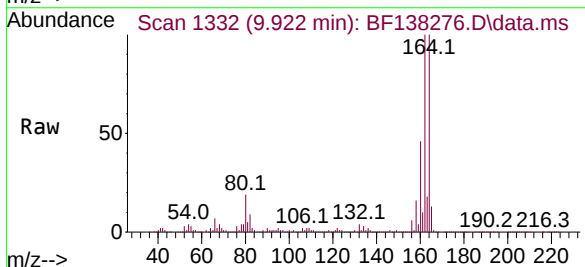
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

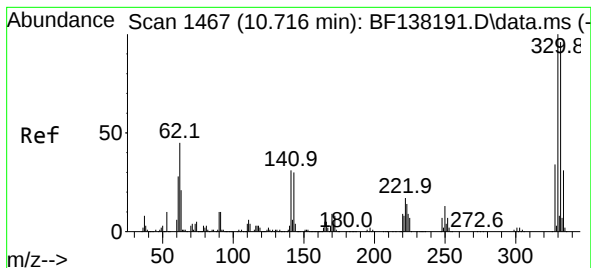
Tgt Ion: 82 Resp: 910175  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.6 8.4#  
138 0.0 16.4 24.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. -0.006 min  
Lab File: BF138276.D  
Acq: 20 Jun 2024 22:12

Tgt Ion:164 Resp: 604419  
Ion Ratio Lower Upper  
164 100  
162 99.8 80.6 121.0  
160 45.7 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 58.558 ng

RT: 10.704 min Scan# 1465

Delta R.T. -0.012 min

Lab File: BF138276.D

Acq: 20 Jun 2024 22:12

Instrument :

BNA\_F

ClientSampleId :

TP-1

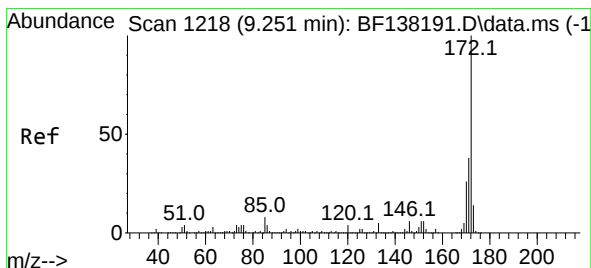
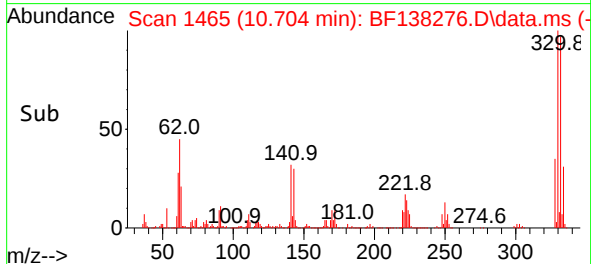
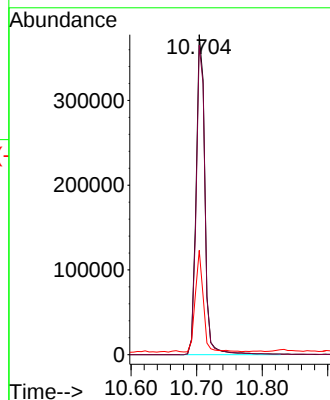
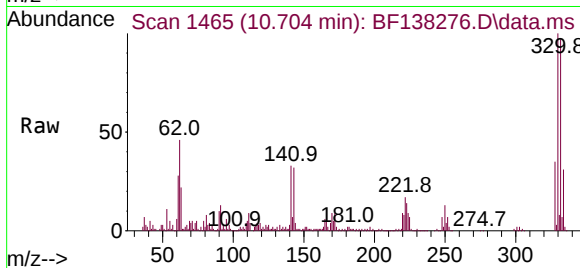
Tgt Ion:330 Resp: 352350

Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

141 29.3 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 44.780 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF138276.D

Acq: 20 Jun 2024 22:12

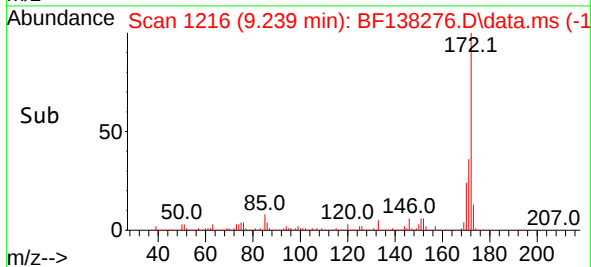
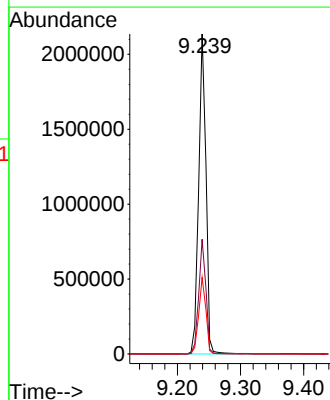
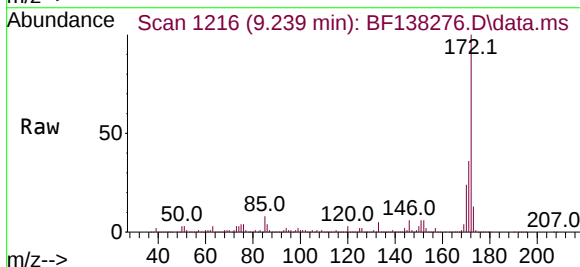
Tgt Ion:172 Resp: 1702105

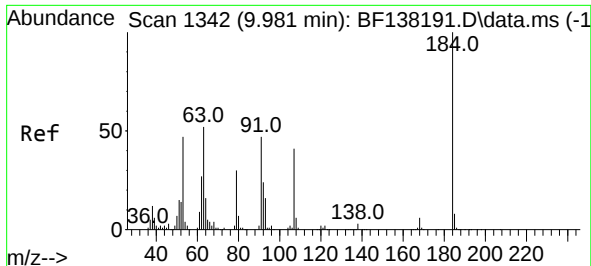
Ion Ratio Lower Upper

172 100

171 35.8 30.3 45.5

170 23.9 20.6 30.8

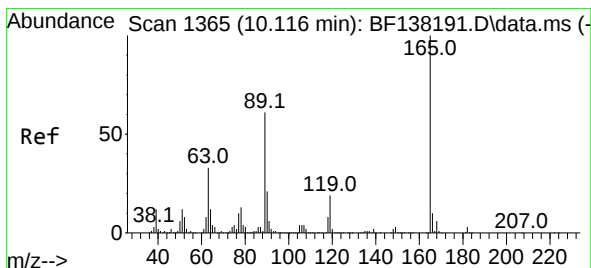
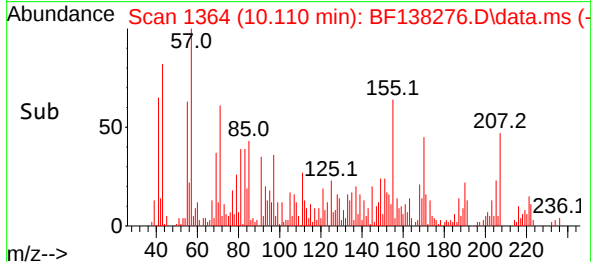
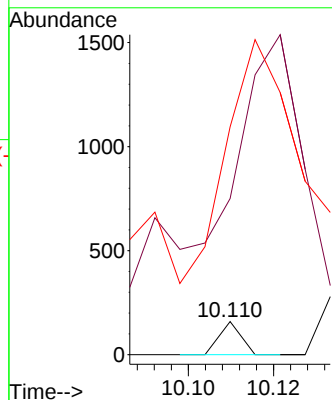
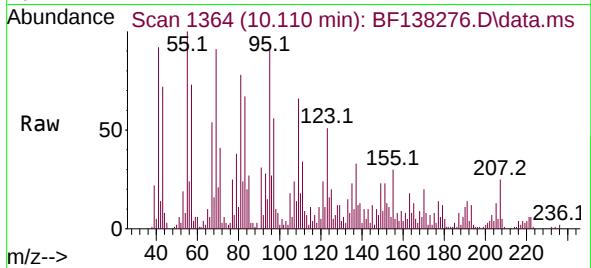




#54  
2,4-Dinitrophenol  
Concen: 4.223 ng  
RT: 10.110 min Scan# 11  
Delta R.T. 0.129 min  
Lab File: BF138276.D  
Acq: 20 Jun 2024 22:12

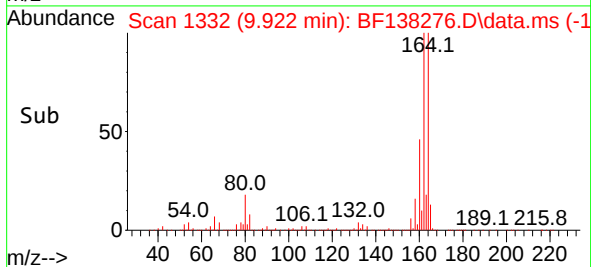
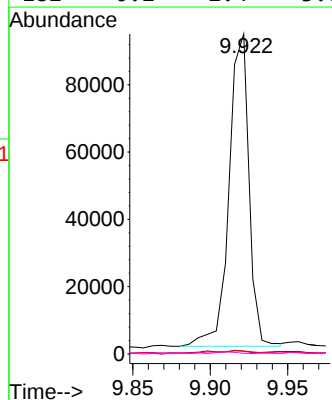
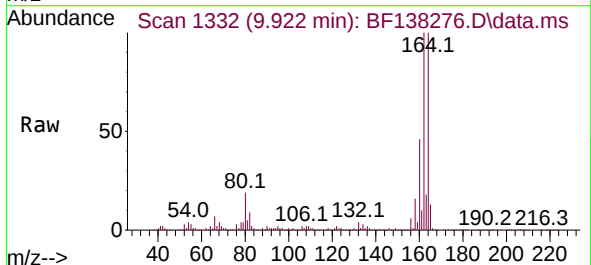
Instrument :  
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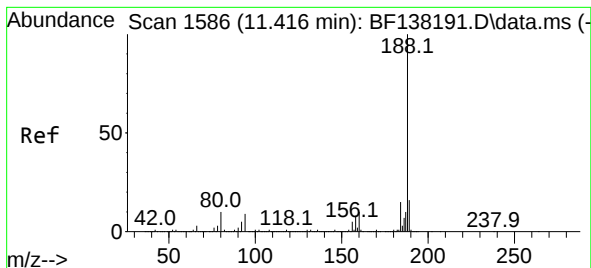
Tgt Ion:184 Resp: 56  
Ion Ratio Lower Upper  
184 100  
63 472.3 49.2 73.8#  
154 688.7 46.7 70.1#



#57  
2,4-Dinitrotoluene  
Concen: 8.413 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. -0.194 min  
Lab File: BF138276.D  
Acq: 20 Jun 2024 22:12

Tgt Ion:165 Resp: 83367  
Ion Ratio Lower Upper  
165 100  
63 0.9 26.6 39.8#  
89 0.9 48.7 73.1#  
182 0.2 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138276.D

Acq: 20 Jun 2024 22:12

Instrument :

BNA\_F

ClientSampleId :

TP-1

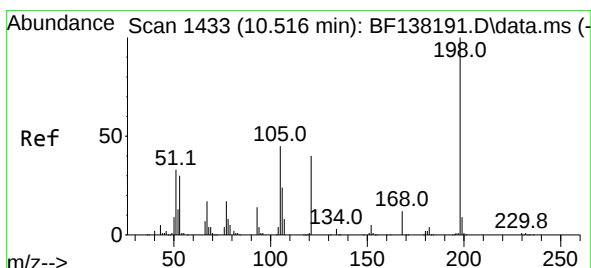
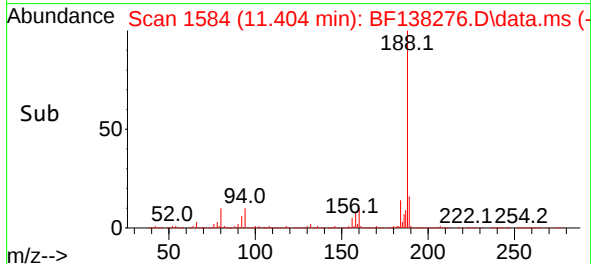
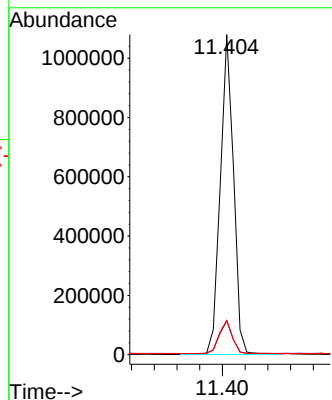
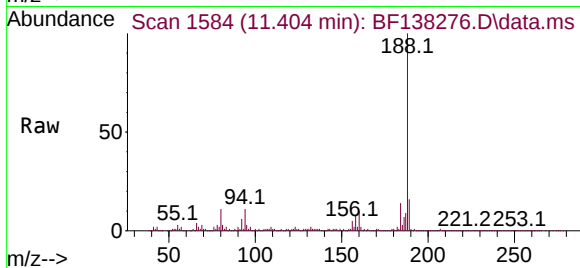
Tgt Ion:188 Resp: 873361

Ion Ratio Lower Upper

188 100

94 10.5 7.6 11.4

80 10.7 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.043 ng

RT: 10.486 min Scan# 1428

Delta R.T. -0.030 min

Lab File: BF138276.D

Acq: 20 Jun 2024 22:12

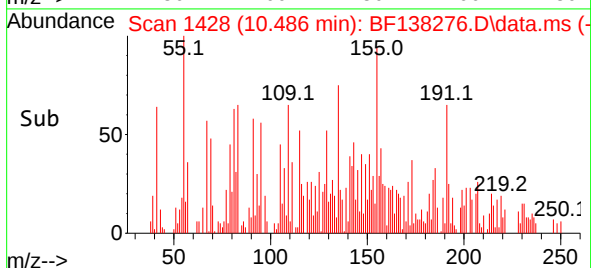
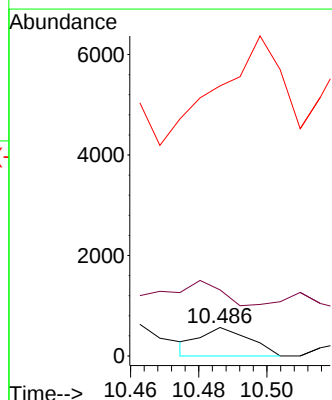
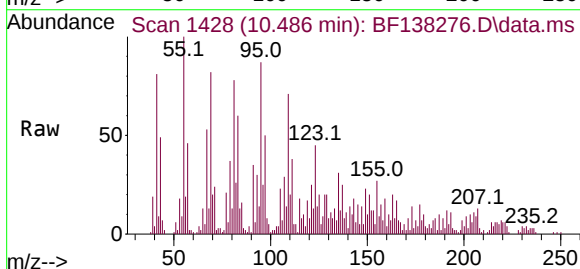
Tgt Ion:198 Resp: 566

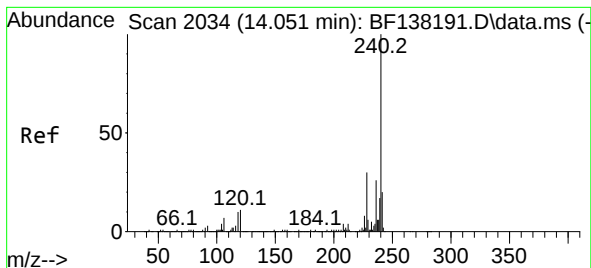
Ion Ratio Lower Upper

198 100

51 232.1 26.9 66.9#

105 948.1 26.0 66.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138276.D

Acq: 20 Jun 2024 22:12

Instrument :

BNA\_F

ClientSampleId :

TP-1

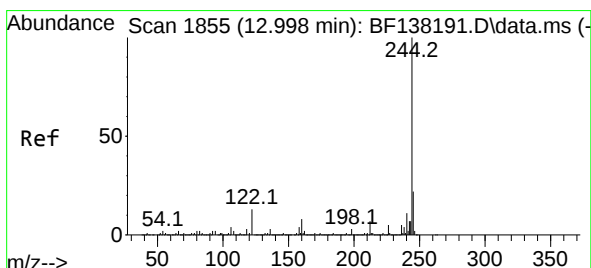
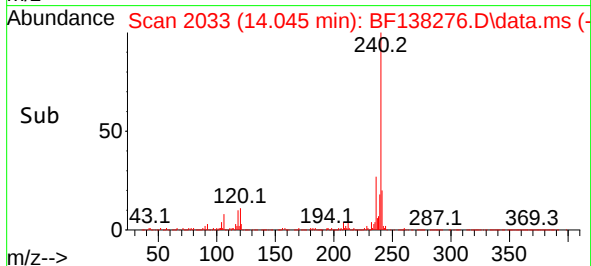
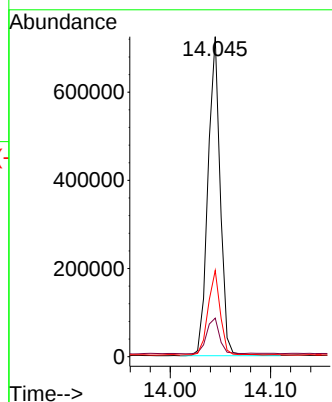
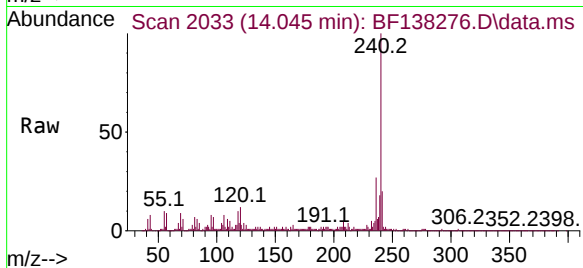
Tgt Ion:240 Resp: 612593

Ion Ratio Lower Upper

240 100

120 12.1 9.2 13.8

236 27.0 21.0 31.6



#79

Terphenyl-d14

Concen: 33.363 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF138276.D

Acq: 20 Jun 2024 22:12

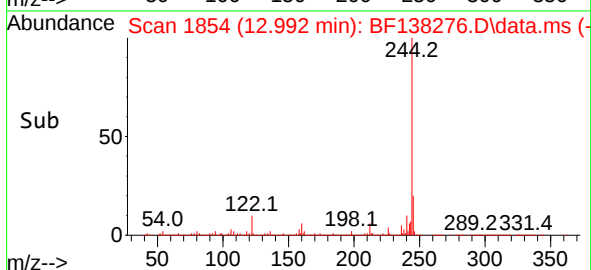
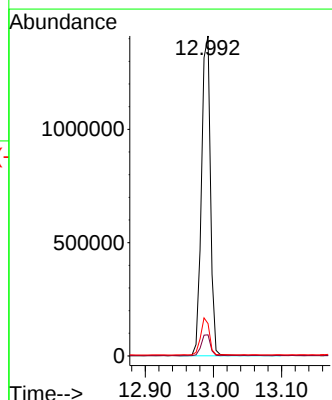
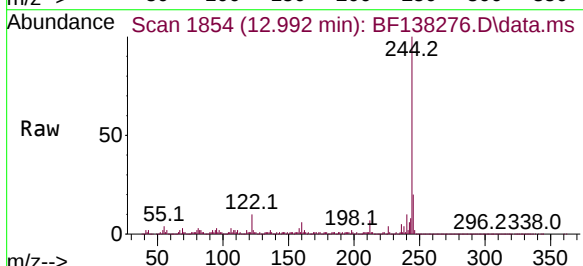
Tgt Ion:244 Resp: 1290403

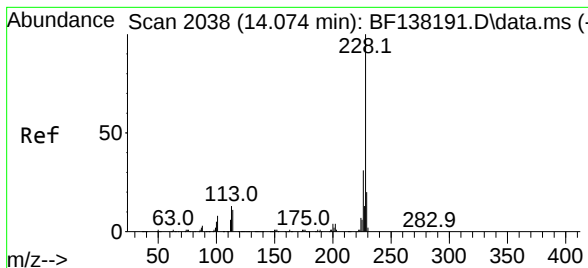
Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

122 10.1 10.6 15.8#





#83

Chrysene

Concen: 2.382 ng

RT: 14.068 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF138276.D

Acq: 20 Jun 2024 22:12

Instrument :

BNA\_F

ClientSampleId :

TP-1

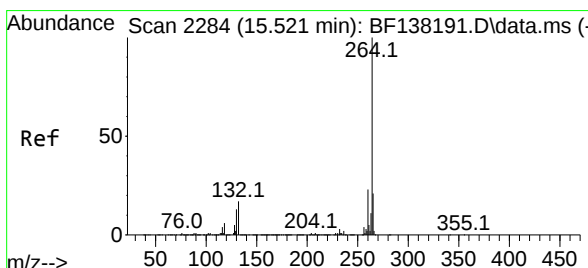
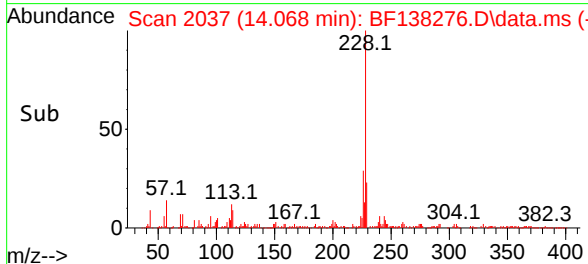
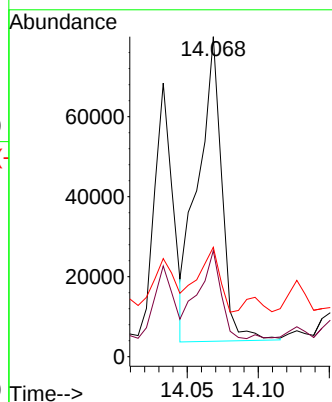
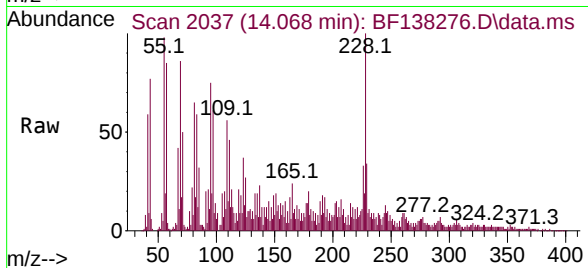
Tgt Ion:228 Resp: 89221

Ion Ratio Lower Upper

228 100

226 33.1 24.5 36.7

229 34.2 16.3 24.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2284

Delta R.T. -0.000 min

Lab File: BF138276.D

Acq: 20 Jun 2024 22:12

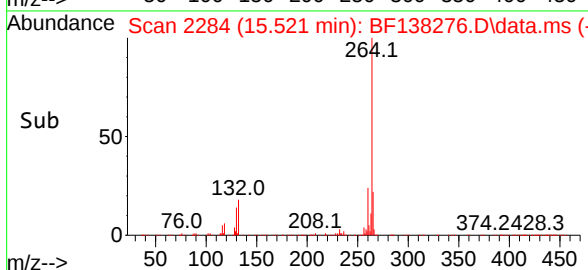
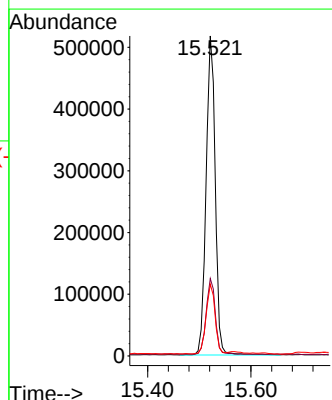
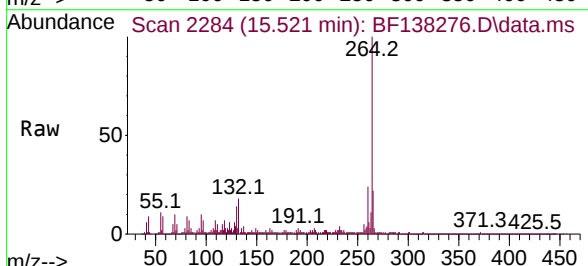
Tgt Ion:264 Resp: 638806

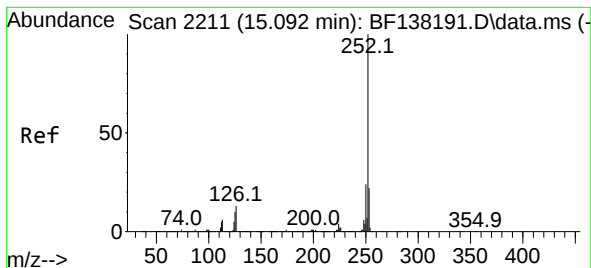
Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 22.4 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 3.221 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF138276.D

Acq: 20 Jun 2024 22:12

Instrument :

BNA\_F

ClientSampleId :

TP-1

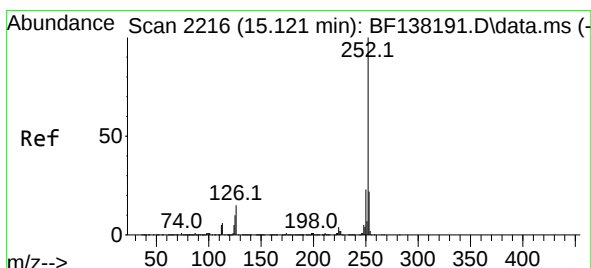
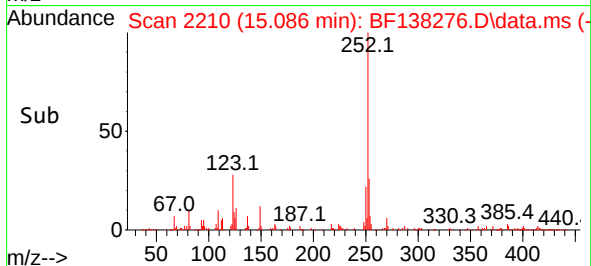
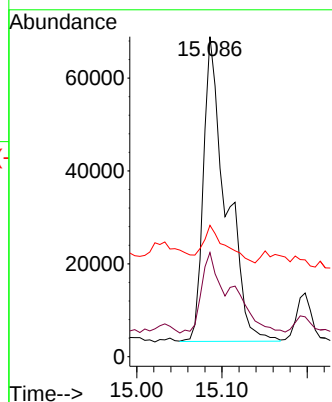
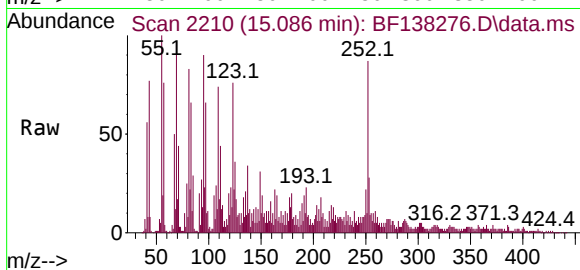
Tgt Ion:252 Resp: 121343

Ion Ratio Lower Upper

252 100

253 32.6 17.7 26.5#

125 41.1 7.8 11.8#



#89

Benzo(k)fluoranthene

Concen: 3.287 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.036 min

Lab File: BF138276.D

Acq: 20 Jun 2024 22:12

Tgt Ion:252 Resp: 121343

Ion Ratio Lower Upper

252 100

253 32.6 17.8 26.8#

125 41.1 8.0 12.0#

