

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081324\  
 Data File : BF138973.D  
 Acq On : 13 Aug 2024 14:18  
 Operator : RC/JU  
 Sample : P3520-15  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-VSL-01-080624

Quant Time: Aug 13 14:42:34 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 17:50:01 2024  
 Response via : Initial Calibration

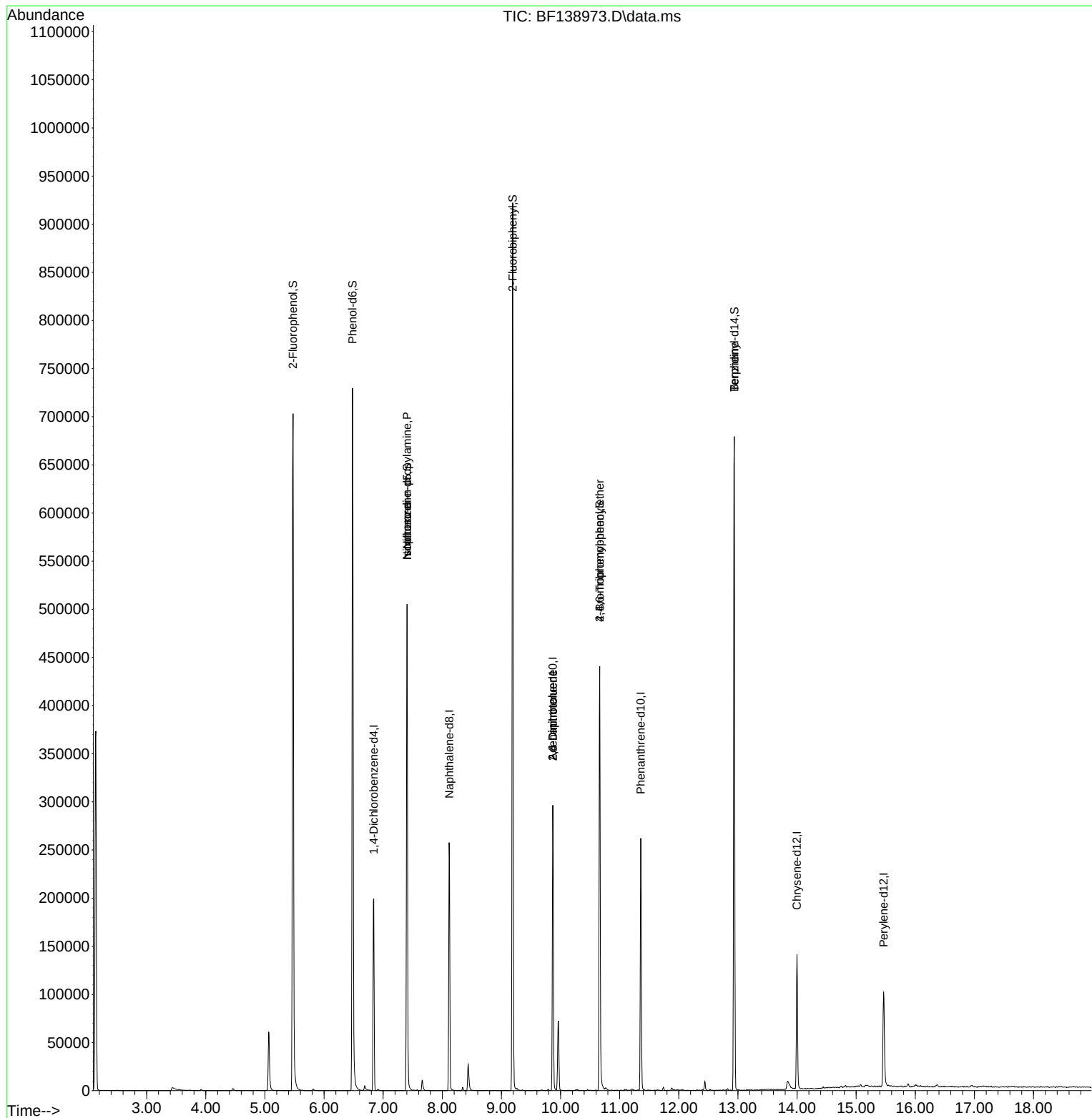
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.840  | 152  | 39080    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 155645   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.869  | 164  | 86104    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.357 | 188  | 134801   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 13.998 | 240  | 69021    | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.463 | 264  | 66827    | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 237652   | 93.872 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.481  | 99   | 320840   | 94.392 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 206408   | 64.837 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 66143    | 93.779 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 381304   | 66.537 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.939 | 244  | 317595   | 77.040 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 28783    | 14.020 | ng    | # 80     |
| 25) Isophorone                | 7.404  | 82   | 206406   | 37.971 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.869  | 165  | 11041    | 8.886  | ng    | # 19     |
| 57) 2,4-Dinitrotoluene        | 9.869  | 165  | 11041    | 6.965  | ng    | # 16     |
| 67) 4-Bromophenyl-phenylether | 10.663 | 248  | 4428     | 3.034  | ng    | # 1      |
| 77) Benzidine                 | 12.939 | 184  | 4586     | 2.778  | ng    | # 91     |
| -----                         |        |      |          |        |       |          |

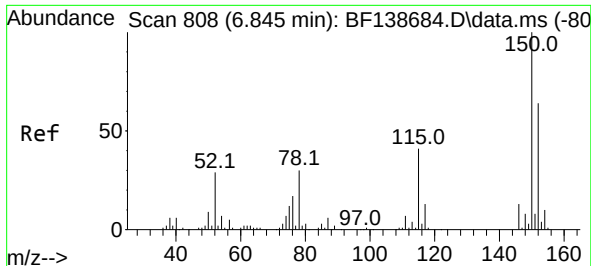
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081324\  
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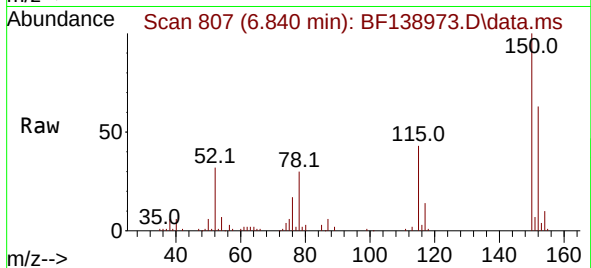
Quant Time: Aug 13 14:42:34 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 30 17:50:01 2024  
Response via : Initial Calibration



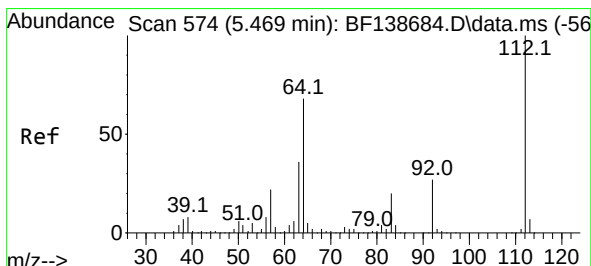
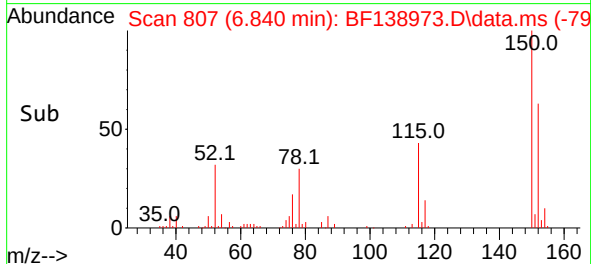
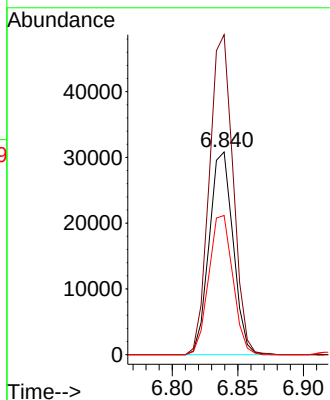


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.840 min Scan# 808  
Delta R.T. -0.005 min  
Lab File: BF138973.D  
Acq: 13 Aug 2024 14:18

Instrument :  
BNA\_F  
ClientSampleId :  
OU4-VSL-01-080624

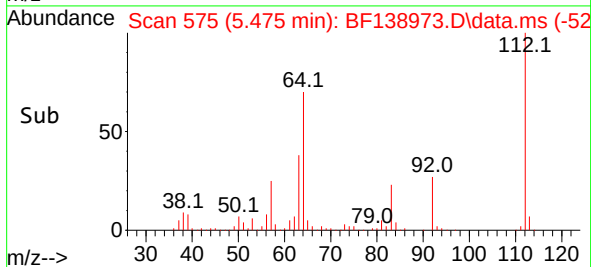
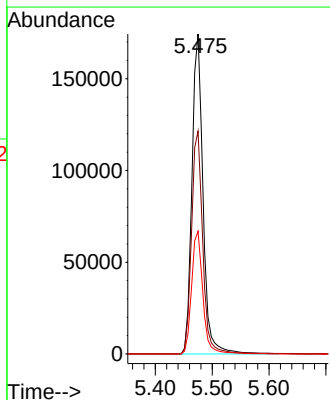
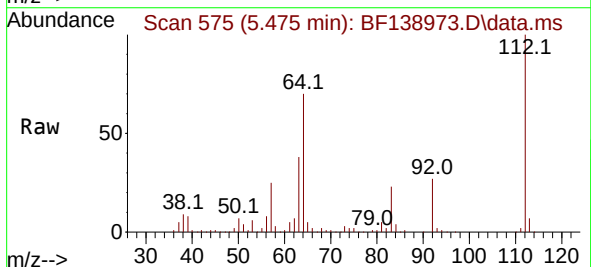


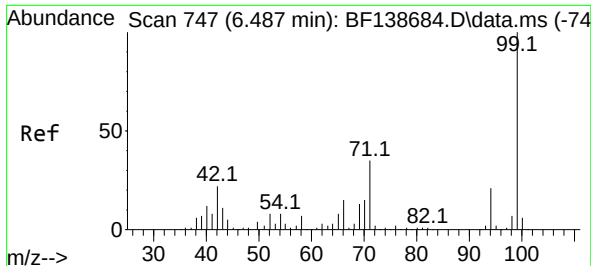
Tgt Ion:152 Resp: 39080  
Ion Ratio Lower Upper  
152 100  
150 157.8 126.0 189.0  
115 68.6 51.7 77.5



#5  
2-Fluorophenol  
Concen: 93.872 ng  
RT: 5.475 min Scan# 575  
Delta R.T. 0.006 min  
Lab File: BF138973.D  
Acq: 13 Aug 2024 14:18

Tgt Ion:112 Resp: 237652  
Ion Ratio Lower Upper  
112 100  
64 69.6 54.2 81.4  
63 38.4 28.7 43.1

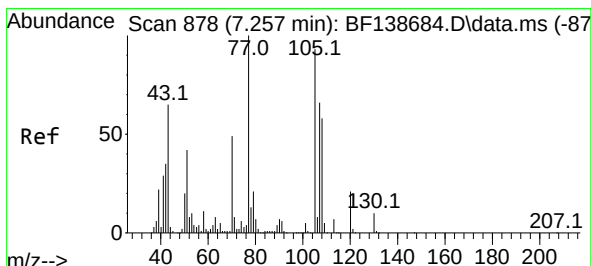
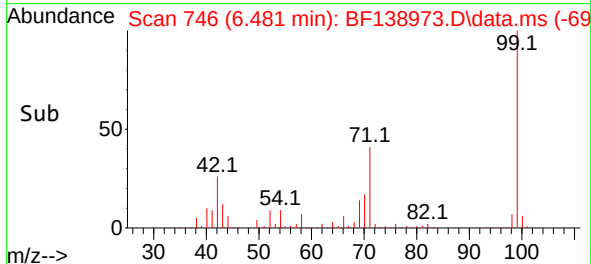
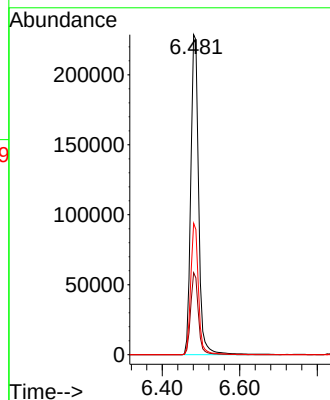
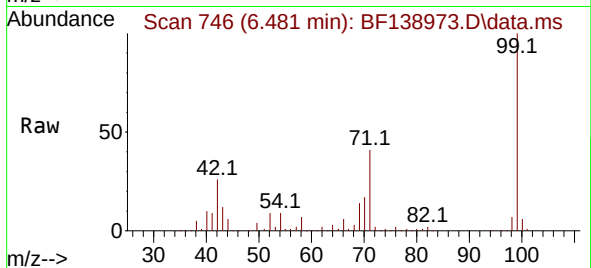




#7  
Phenol-d6  
Concen: 94.392 ng  
RT: 6.481 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF138973.D  
Acq: 13 Aug 2024 14:18

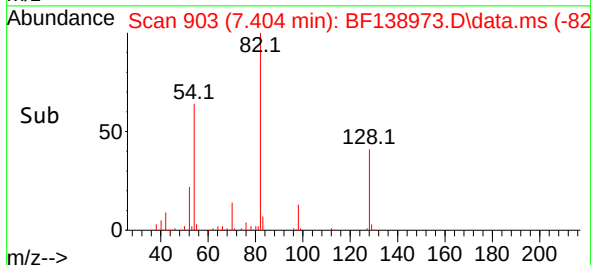
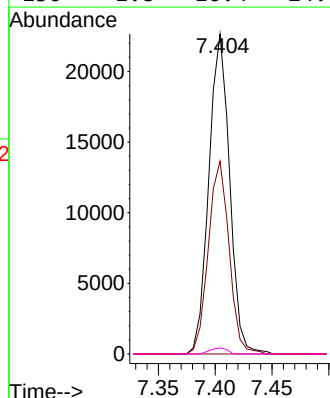
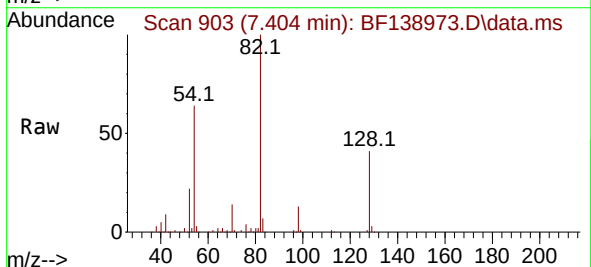
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-VSL-01-080624

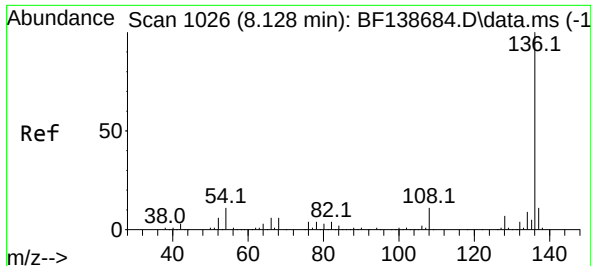
Tgt Ion: 99 Resp: 320840  
Ion Ratio Lower Upper  
99 100  
42 25.6 17.4 26.0  
71 41.0 28.1 42.1



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.020 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.147 min  
Lab File: BF138973.D  
Acq: 13 Aug 2024 14:18

Tgt Ion: 70 Resp: 28783  
Ion Ratio Lower Upper  
70 100  
42 60.2 57.4 86.0  
101 0.0 7.5 11.3#  
130 1.8 16.4 24.6#

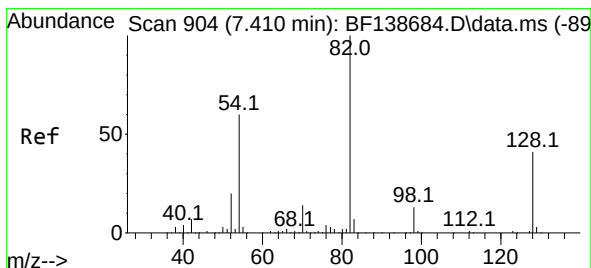
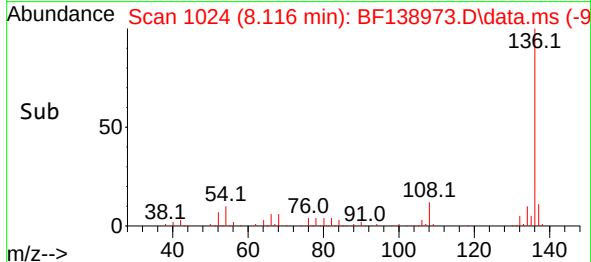
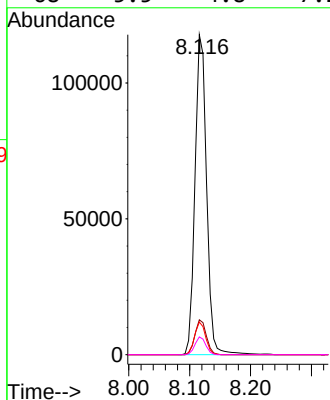
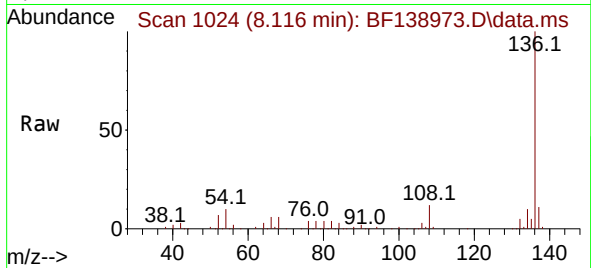




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1024  
Delta R.T. -0.012 min  
Lab File: BF138973.D  
Acq: 13 Aug 2024 14:18

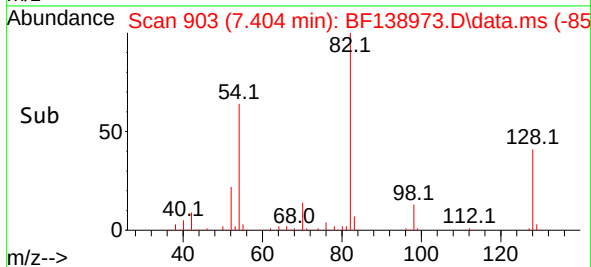
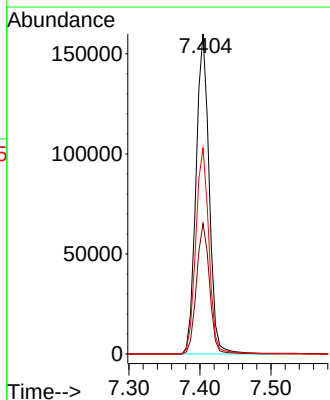
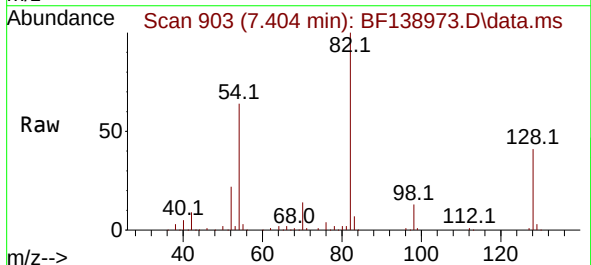
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-VSL-01-080624

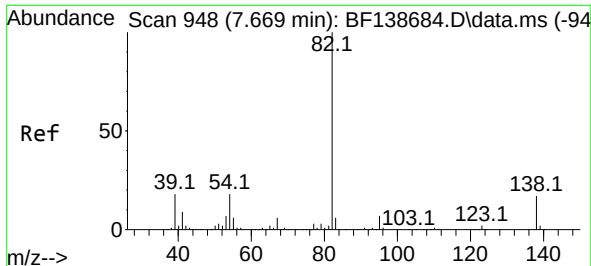
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 155645 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 8.9   | 13.3   |
| 54        | 10.2  | 8.6   | 12.8   |
| 68        | 5.5   | 4.8   | 7.2    |



#23  
Nitrobenzene-d5  
Concen: 64.837 ng  
RT: 7.404 min Scan# 903  
Delta R.T. -0.006 min  
Lab File: BF138973.D  
Acq: 13 Aug 2024 14:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 206408 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 40.8  | 32.8  | 49.2   |
| 54        | 64.3  | 48.3  | 72.5   |

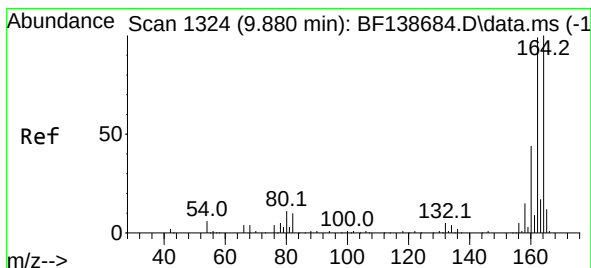
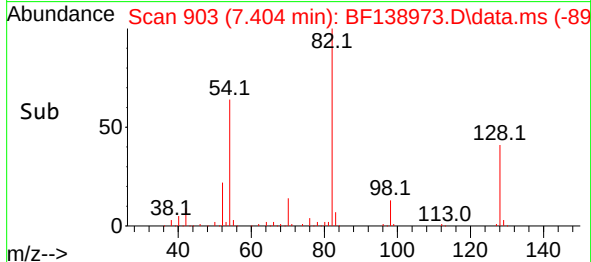
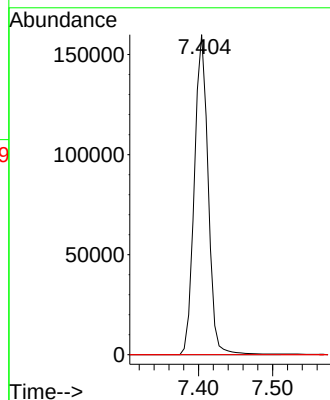
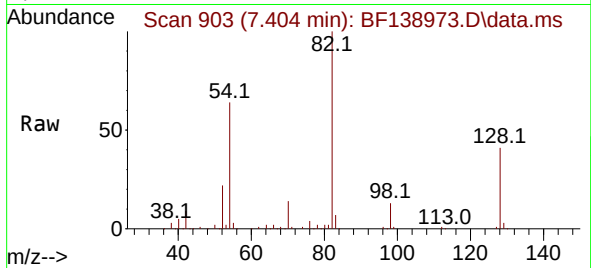




#25  
Isophorone  
Concen: 37.971 ng  
RT: 7.404 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF138973.D  
Acq: 13 Aug 2024 14:18

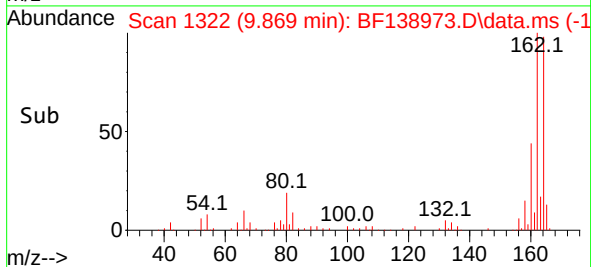
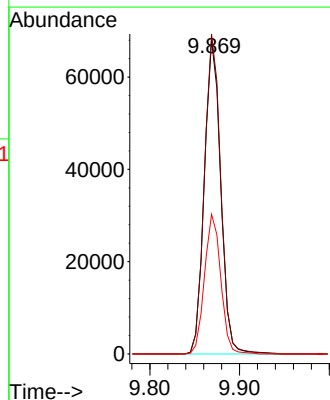
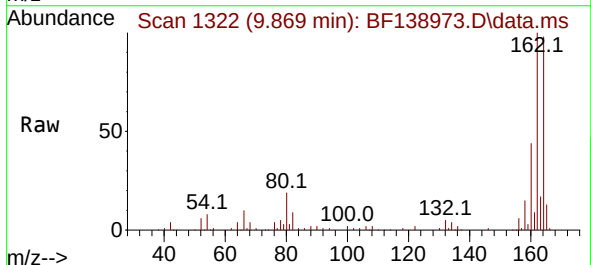
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-VSL-01-080624

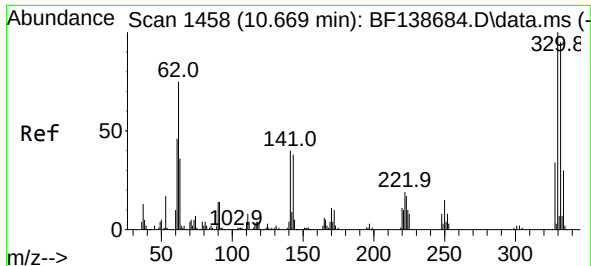
Tgt Ion: 82 Resp: 206406  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 13.7 20.5#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 1322  
Delta R.T. -0.011 min  
Lab File: BF138973.D  
Acq: 13 Aug 2024 14:18

Tgt Ion:164 Resp: 86104  
Ion Ratio Lower Upper  
164 100  
162 102.0 79.4 119.0  
160 44.5 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 93.779 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF138973.D

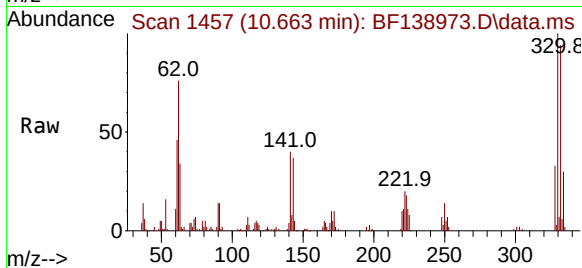
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Instrument :

BNA\_F

ClientSampleId :

OU4-VSL-01-080624



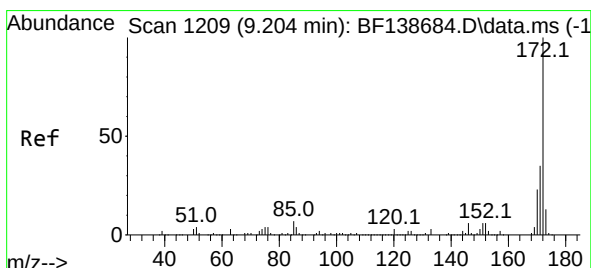
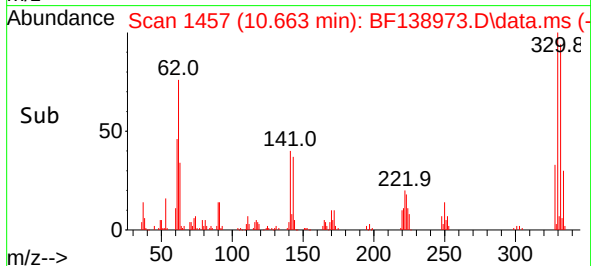
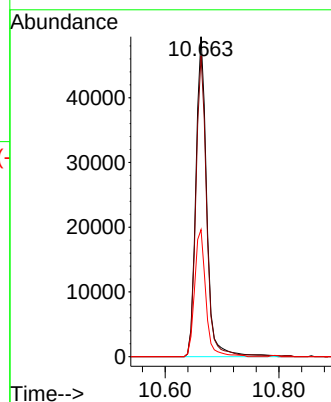
Tgt Ion:330 Resp: 66143

Ion Ratio Lower Upper

330 100

332 93.6 76.4 114.6

141 40.8 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 66.537 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF138973.D

Acq: 13 Aug 2024 14:18

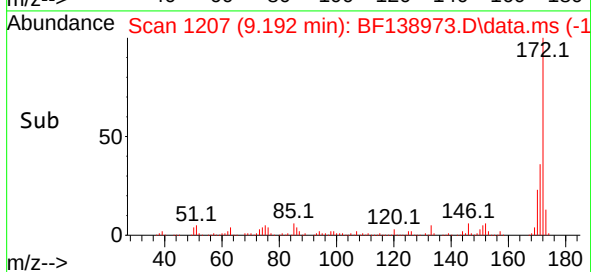
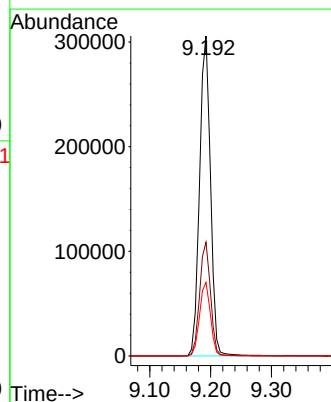
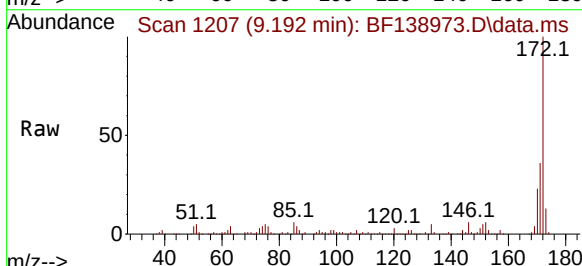
Tgt Ion:172 Resp: 381304

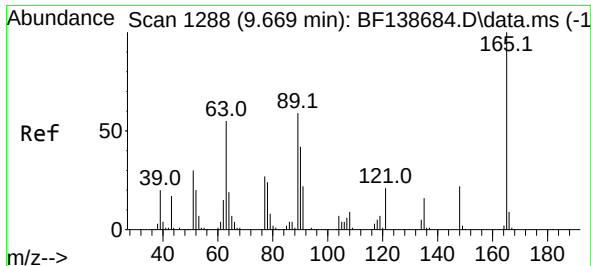
Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.0 18.8 28.2

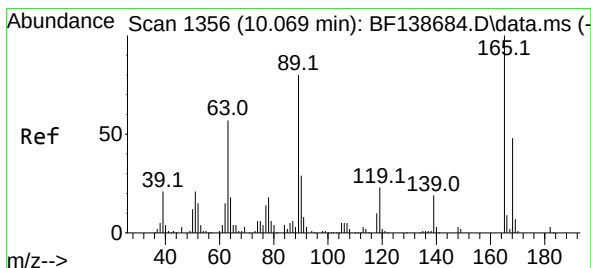
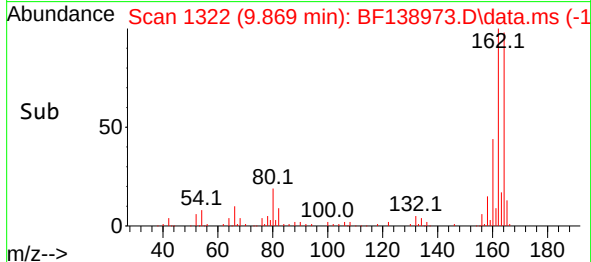
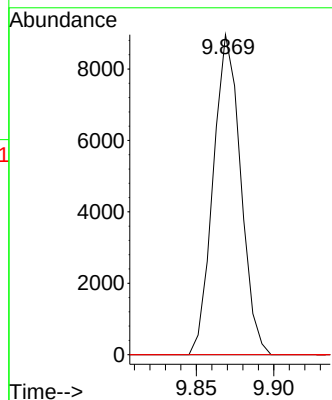
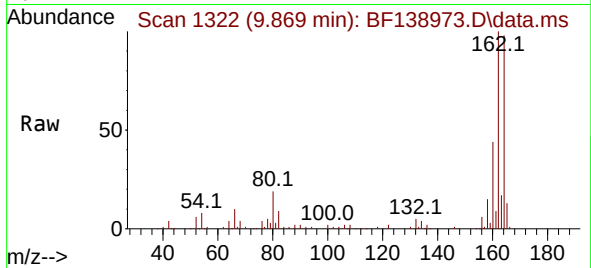




#51  
2,6-Dinitrotoluene  
Concen: 8.886 ng  
RT: 9.869 min Scan# 11  
Delta R.T. 0.200 min  
Lab File: BF138973.D  
Acq: 13 Aug 2024 14:18

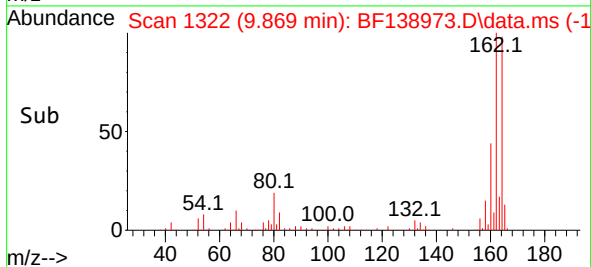
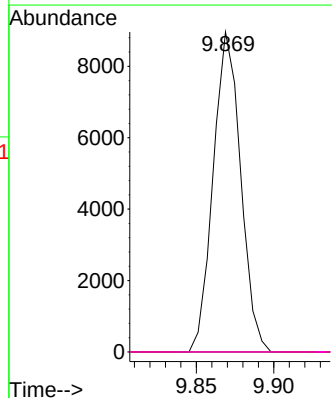
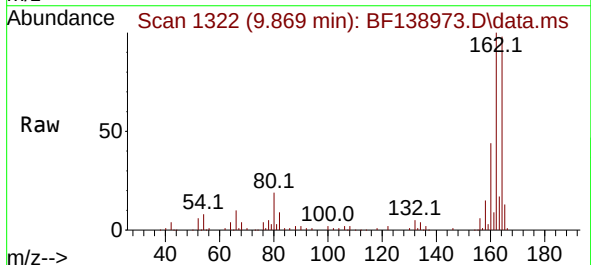
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-VSL-01-080624

Tgt Ion:165 Resp: 11041  
Ion Ratio Lower Upper  
165 100  
63 0.0 52.0 78.0#  
89 0.0 47.0 70.6#

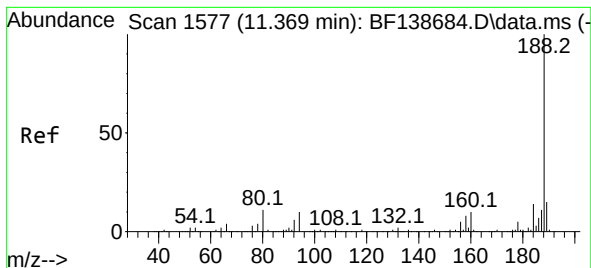


#57  
2,4-Dinitrotoluene  
Concen: 6.965 ng  
RT: 9.869 min Scan# 1322  
Delta R.T. -0.200 min  
Lab File: BF138973.D  
Acq: 13 Aug 2024 14:18

Tgt Ion:165 Resp: 11041  
Ion Ratio Lower Upper  
165 100  
63 0.0 46.3 69.5#  
89 0.0 64.2 96.4#  
182 0.0 2.5 3.7#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138973.D

Acq: 13 Aug 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

OU4-VSL-01-080624

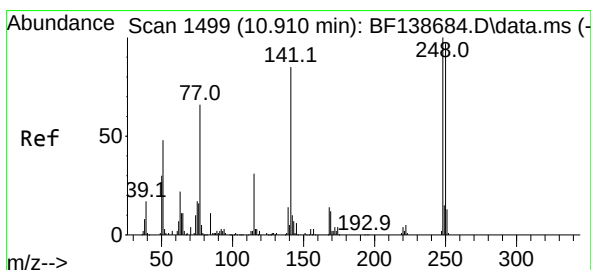
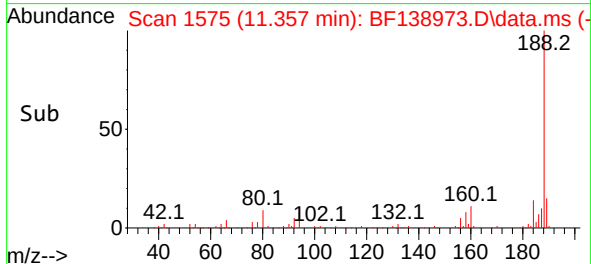
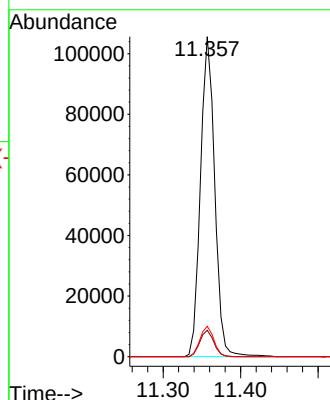
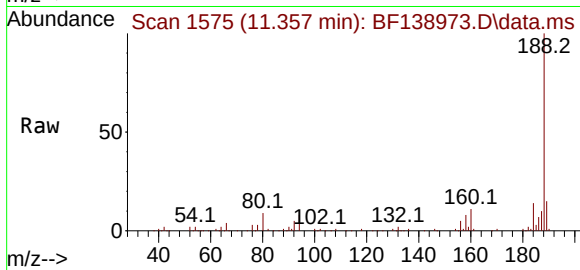
Tgt Ion:188 Resp: 134801

Ion Ratio Lower Upper

188 100

94 8.2 7.6 11.4

80 9.5 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 3.034 ng

RT: 10.663 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF138973.D

Acq: 13 Aug 2024 14:18

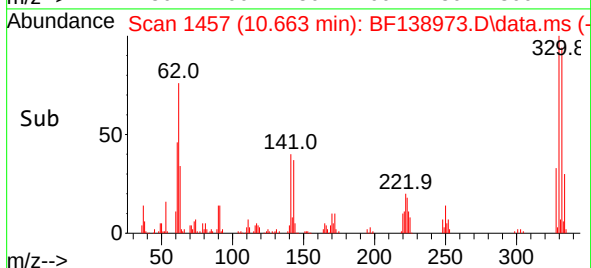
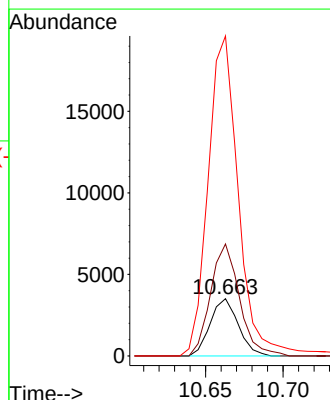
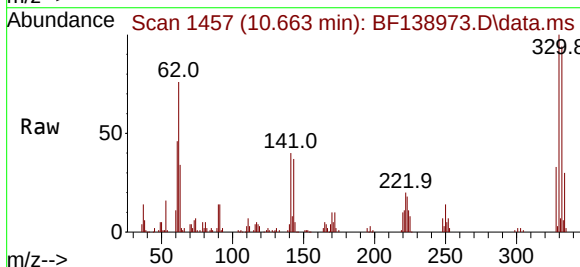
Tgt Ion:248 Resp: 4428

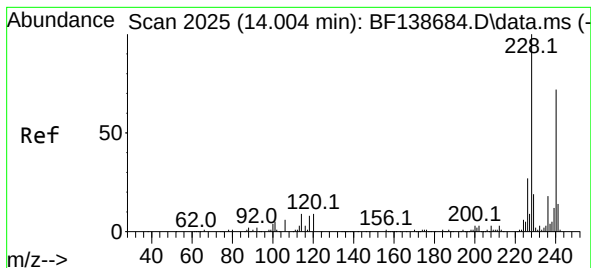
Ion Ratio Lower Upper

248 100

250 195.5 77.7 116.5#

141 558.5 68.0 102.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF138973.D

Acq: 13 Aug 2024 14:18

Instrument :

BNA\_F

ClientSampleId :

OU4-VSL-01-080624

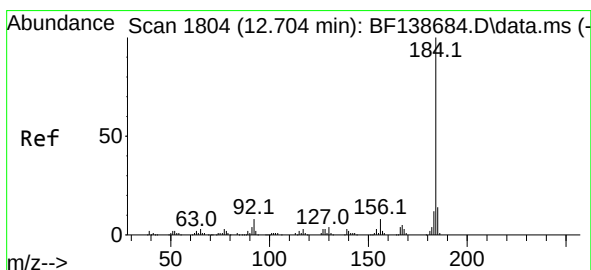
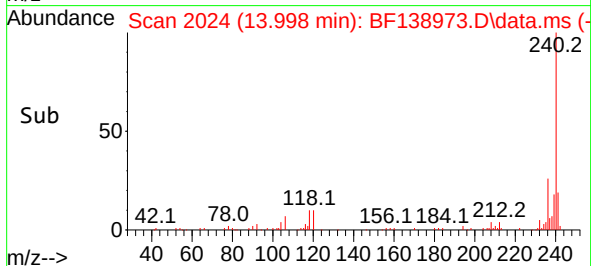
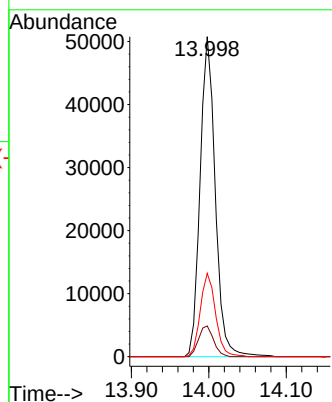
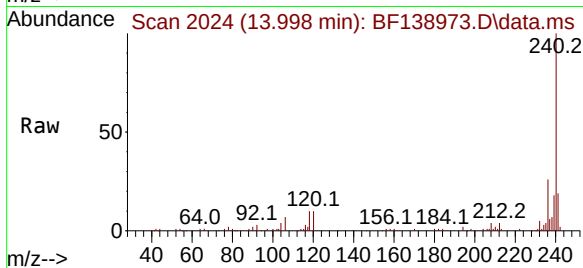
Tgt Ion:240 Resp: 69021

Ion Ratio Lower Upper

240 100

120 9.6 10.2 15.4#

236 26.0 19.8 29.8



#77

Benzidine

Concen: 2.778 ng

RT: 12.939 min Scan# 1844

Delta R.T. 0.235 min

Lab File: BF138973.D

Acq: 13 Aug 2024 14:18

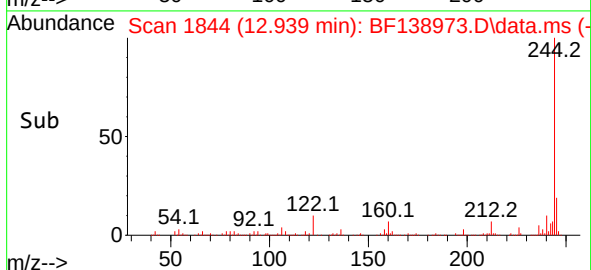
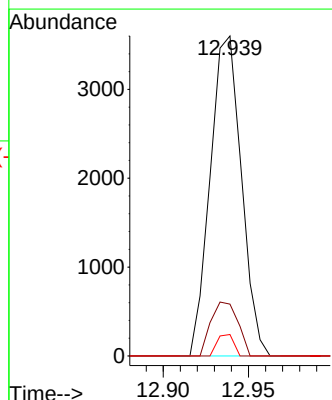
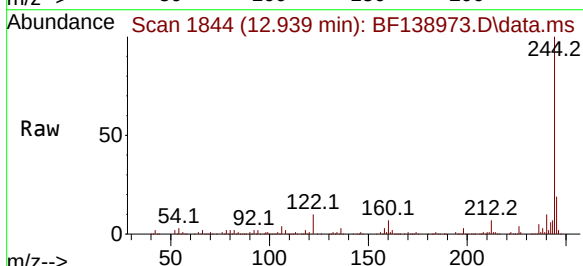
Tgt Ion:184 Resp: 4586

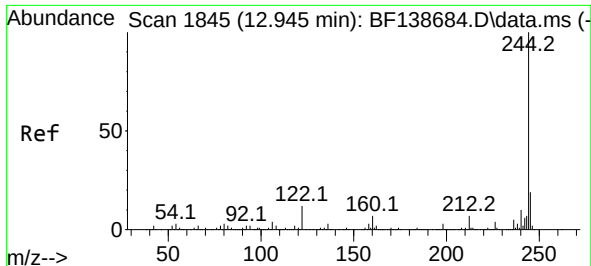
Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

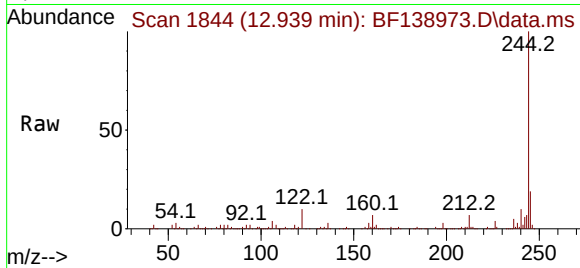
183 6.7 9.6 14.4#



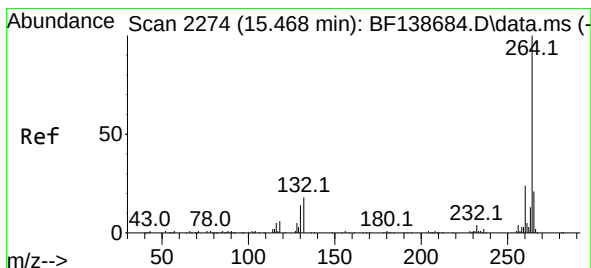
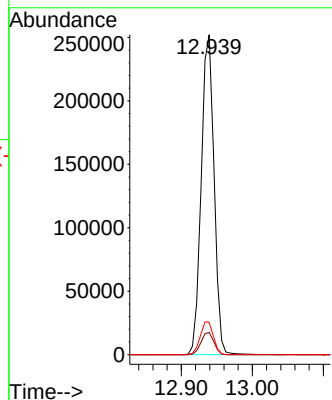
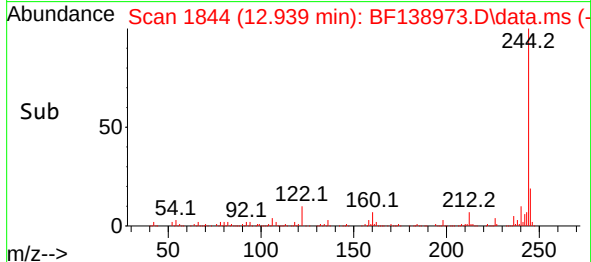


#79  
 Terphenyl-d14  
 Concen: 77.040 ng  
 RT: 12.939 min Scan# 1844  
 Delta R.T. -0.006 min  
 Lab File: BF138973.D  
 Acq: 13 Aug 2024 14:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-VSL-01-080624



Tgt Ion:244 Resp: 317595  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.4 8.2  
 122 10.1 9.6 14.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.463 min Scan# 2273  
 Delta R.T. -0.006 min  
 Lab File: BF138973.D  
 Acq: 13 Aug 2024 14:18

Tgt Ion:264 Resp: 66827  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.0 28.6  
 265 21.0 17.0 25.6

