

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072524\  
 Data File : BF138657.D  
 Acq On : 25 Jul 2024 17:20  
 Operator : RC/JU  
 Sample : P3357-09  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-854-J-SO-3-3.5-072024

Quant Time: Jul 25 17:46:19 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 09 16:58:40 2024  
 Response via : Initial Calibration

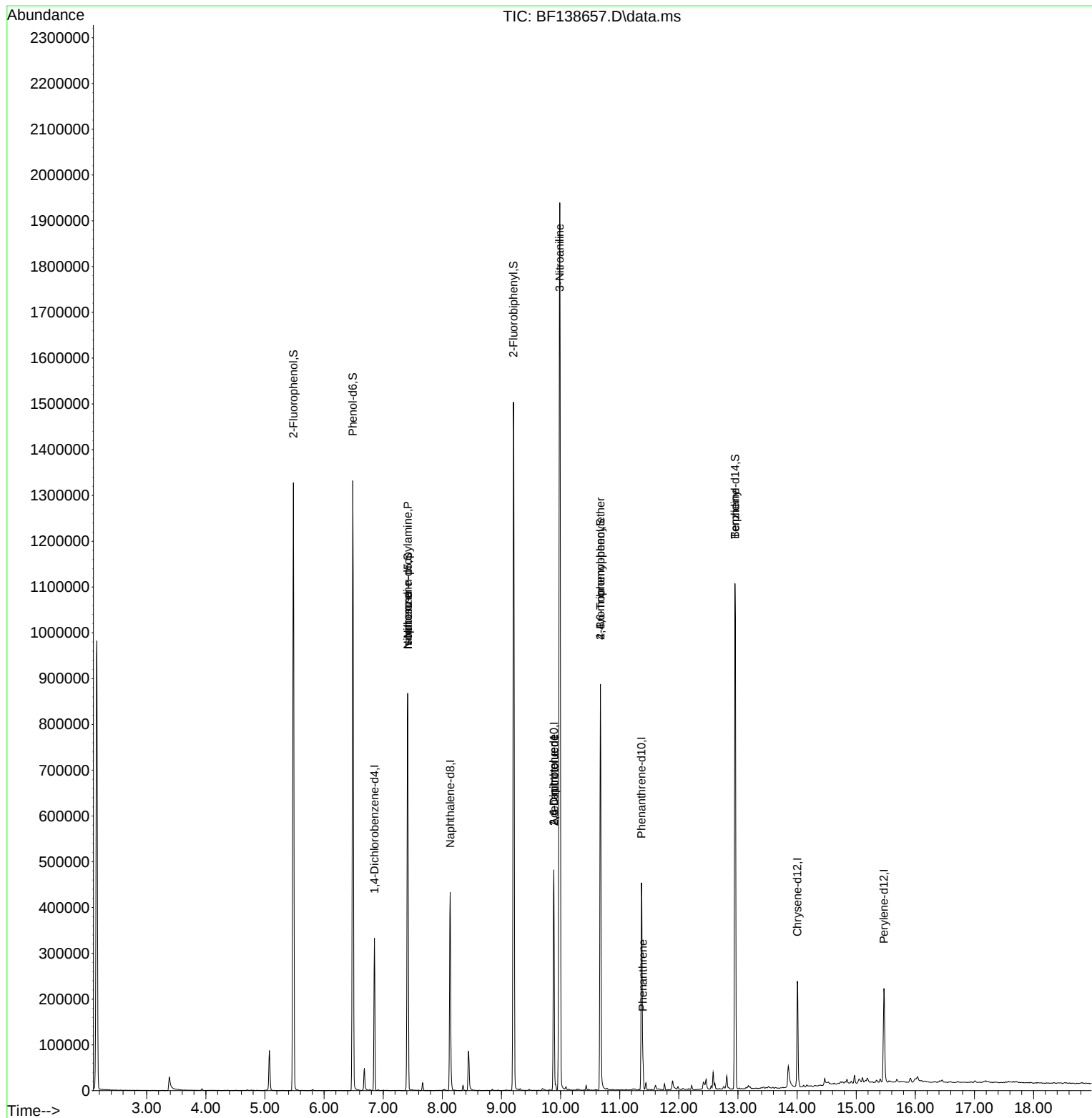
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.851  | 152  | 61571    | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8            | 8.133  | 136  | 259726   | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10          | 9.886  | 164  | 140852   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.369 | 188  | 229188   | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 14.004 | 240  | 104275   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 15.468 | 264  | 118718   | 20.000  | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 436117   | 112.180 | ng    | -0.01    |
| 7) Phenol-d6                  | 6.487  | 99   | 589916   | 114.065 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.416  | 82   | 386802   | 73.120  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.674 | 330  | 137513   | 104.461 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 657730   | 72.982  | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.951 | 244  | 517925   | 80.917  | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.416  | 70   | 51356    | 16.071  | ng    | # 72     |
| 25) Isophorone                | 7.416  | 82   | 385030   | 42.383  | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 9.886  | 165  | 17689    | 8.435   | ng    | # 23     |
| 53) 3-Nitroaniline            | 9.986  | 138  | 18806    | 8.750   | ng    | # 2      |
| 57) 2,4-Dinitrotoluene        | 9.886  | 165  | 17689    | 6.519   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.674 | 248  | 8855     | 3.759   | ng    | # 1      |
| 71) Phenanthrene              | 11.392 | 178  | 28527    | 2.464   | ng    | 98       |
| 77) Benzidine                 | 12.951 | 184  | 6835     | 2.598   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

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

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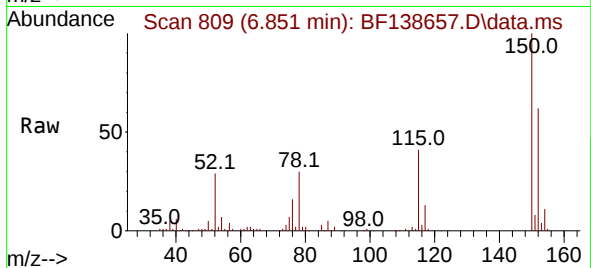
Quant Time: Jul 25 17:46:19 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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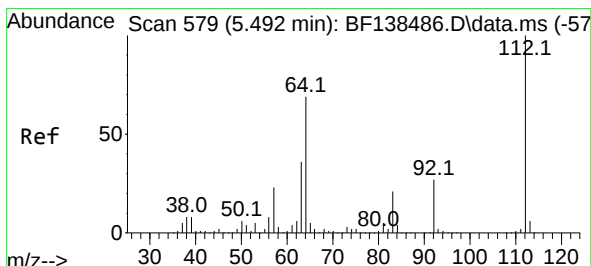
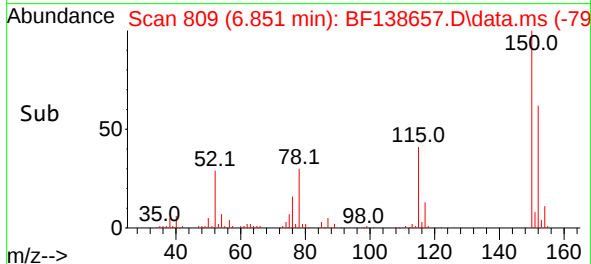
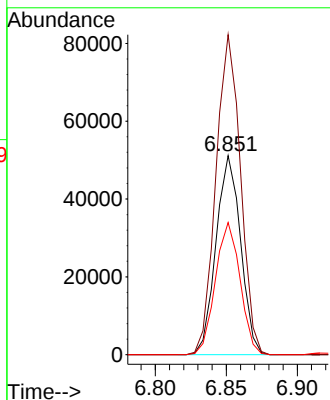


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.851 min Scan# 809  
Delta R.T. -0.018 min  
Lab File: BF138657.D  
Acq: 25 Jul 2024 17:20

Instrument :  
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ClientSampleId :  
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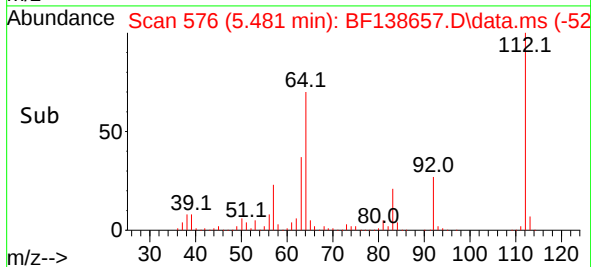
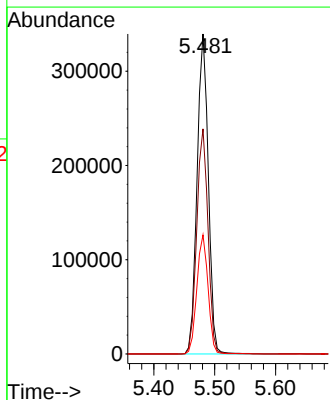
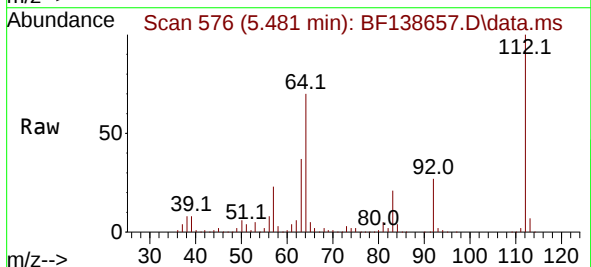


Tgt Ion:152 Resp: 61571  
Ion Ratio Lower Upper  
152 100  
150 160.8 126.2 189.4  
115 66.4 50.3 75.5



#5  
2-Fluorophenol  
Concen: 112.180 ng  
RT: 5.481 min Scan# 576  
Delta R.T. -0.012 min  
Lab File: BF138657.D  
Acq: 25 Jul 2024 17:20

Tgt Ion:112 Resp: 436117  
Ion Ratio Lower Upper  
112 100  
64 70.3 55.1 82.7  
63 37.2 29.0 43.6

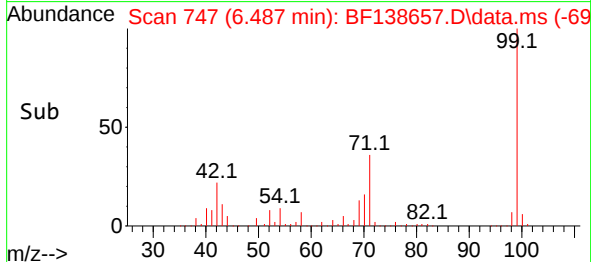
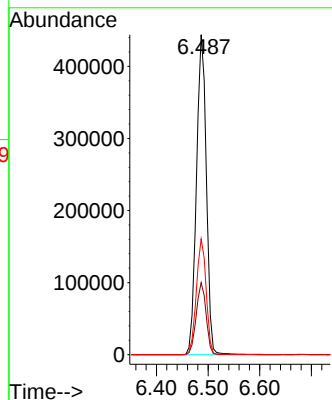
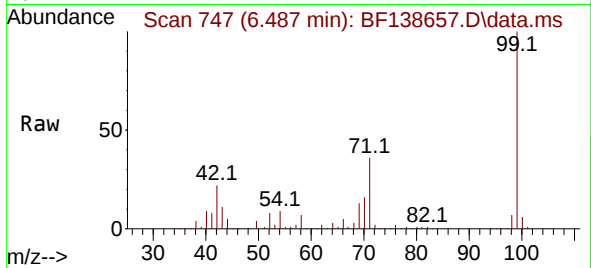




#7  
Phenol-d6  
Concen: 114.065 ng  
RT: 6.487 min Scan# 74  
Delta R.T. -0.018 min  
Lab File: BF138657.D  
Acq: 25 Jul 2024 17:20

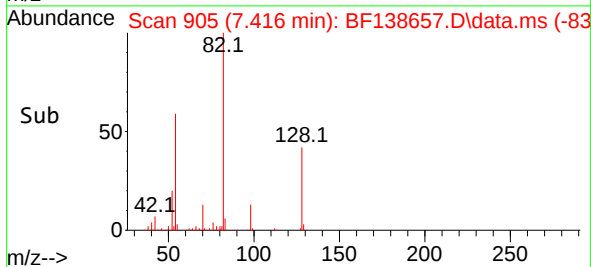
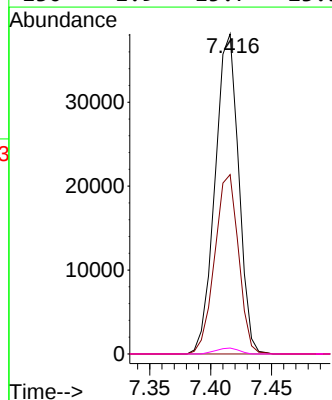
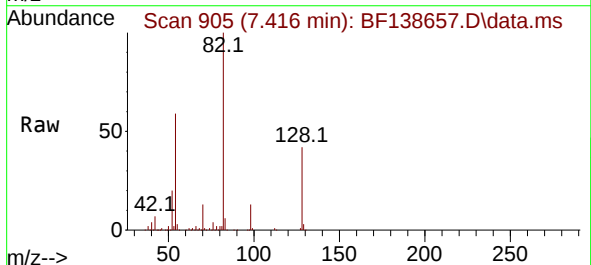
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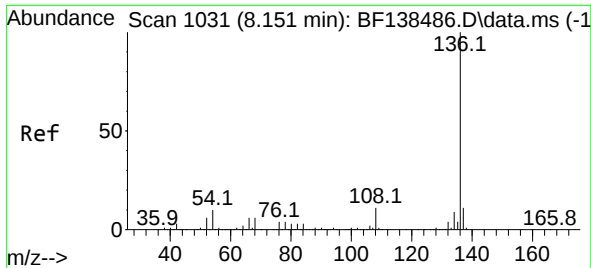
Tgt Ion: 99 Resp: 589916  
Ion Ratio Lower Upper  
99 100  
42 22.5 19.7 29.5  
71 36.2 29.9 44.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.071 ng  
RT: 7.416 min Scan# 905  
Delta R.T. 0.135 min  
Lab File: BF138657.D  
Acq: 25 Jul 2024 17:20

Tgt Ion: 70 Resp: 51356  
Ion Ratio Lower Upper  
70 100  
42 56.1 62.4 93.6#  
101 0.0 7.2 10.8#  
130 1.9 15.7 23.5#

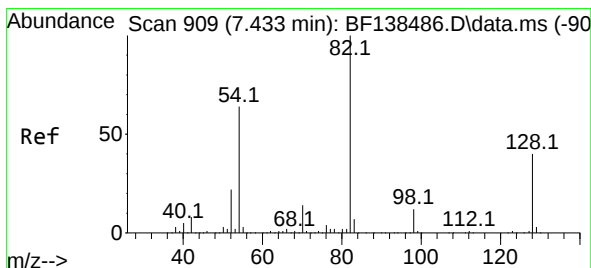
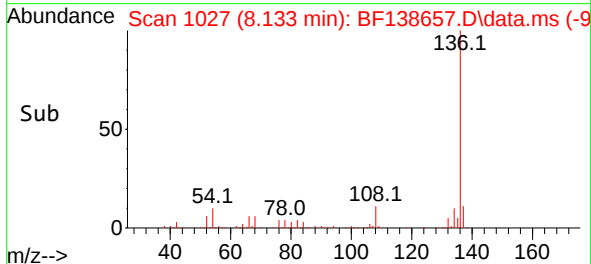
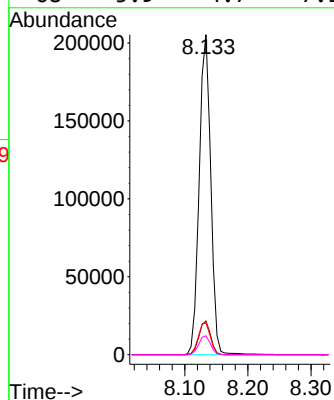
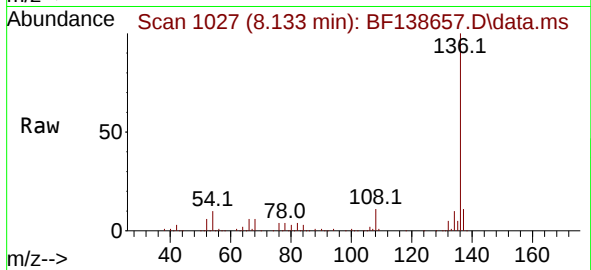




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.133 min Scan# 1027  
Delta R.T. -0.018 min  
Lab File: BF138657.D  
Acq: 25 Jul 2024 17:20

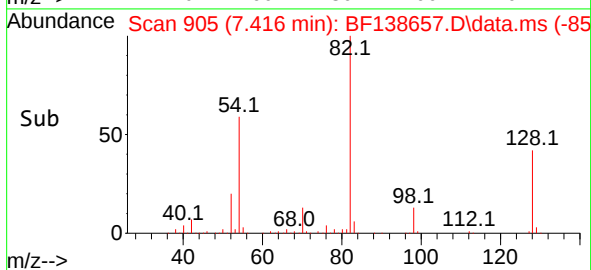
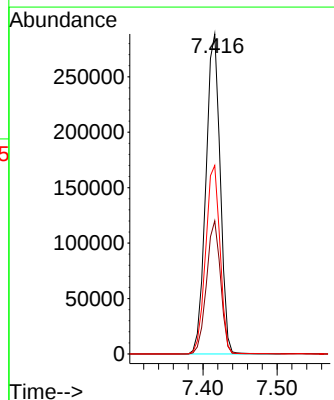
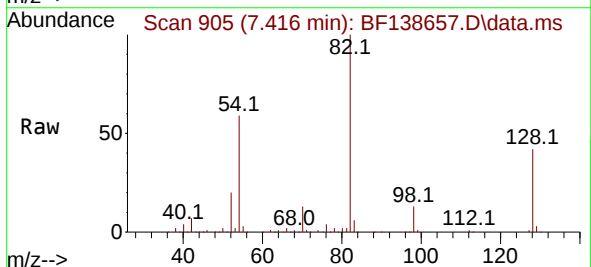
Instrument :  
BNA\_F  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 259726 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.6  | 8.5   | 12.7   |
| 54       | 10.0  | 8.1   | 12.1   |
| 68       | 5.9   | 4.7   | 7.1    |



#23  
Nitrobenzene-d5  
Concen: 73.120 ng  
RT: 7.416 min Scan# 905  
Delta R.T. -0.018 min  
Lab File: BF138657.D  
Acq: 25 Jul 2024 17:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 386802 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.6  | 32.3  | 48.5   |
| 54       | 58.9  | 51.4  | 77.0   |

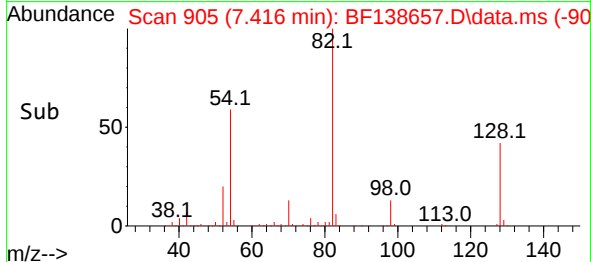
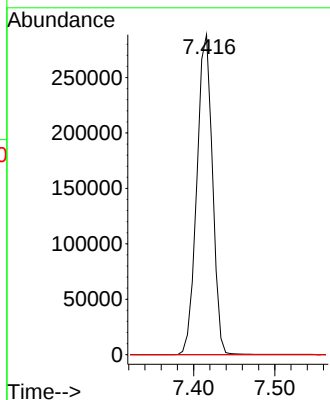
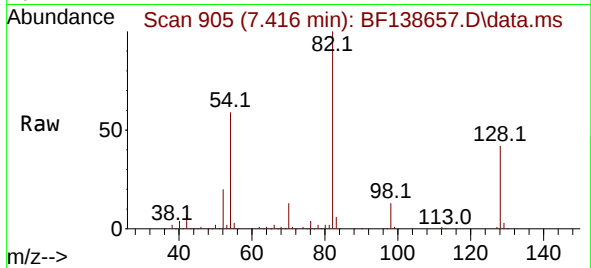




#25  
Isophorone  
Concen: 42.383 ng  
RT: 7.416 min Scan# 90  
Delta R.T. -0.271 min  
Lab File: BF138657.D  
Acq: 25 Jul 2024 17:20

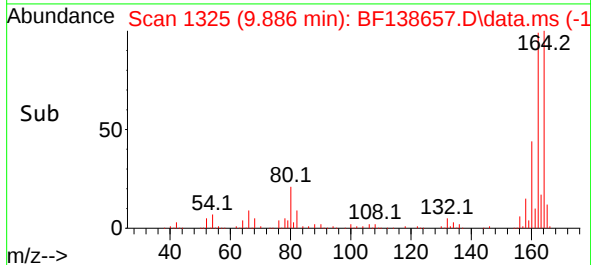
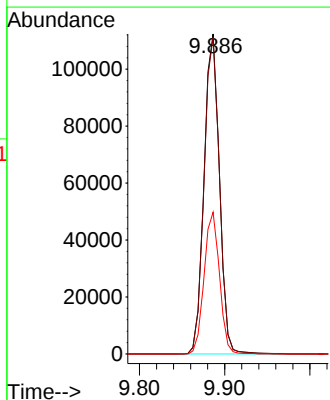
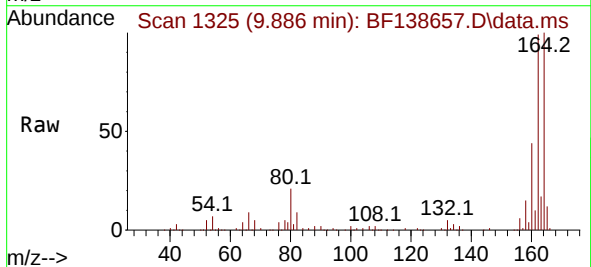
Instrument :  
BNA\_F  
ClientSampleId :  
S-854-J-SO-3-3.5-072024

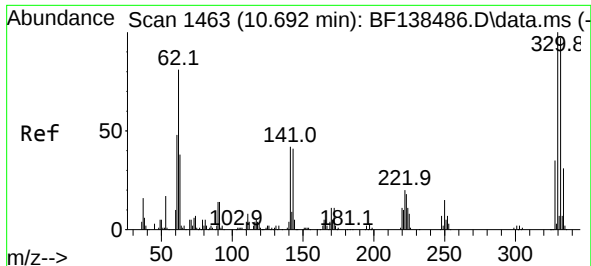
Tgt Ion: 82 Resp: 385030  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 12.8 19.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.886 min Scan# 1325  
Delta R.T. -0.018 min  
Lab File: BF138657.D  
Acq: 25 Jul 2024 17:20

Tgt Ion:164 Resp: 140852  
Ion Ratio Lower Upper  
164 100  
162 98.9 79.0 118.6  
160 44.3 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 104.461 ng

RT: 10.674 min Scan# 1459

Delta R.T. -0.018 min

Lab File: BF138657.D

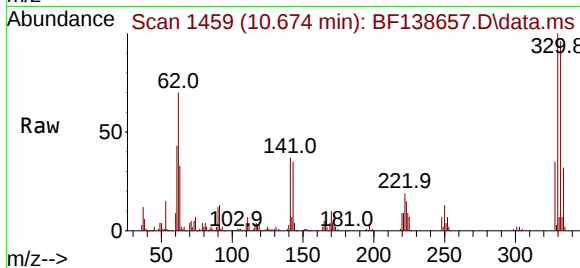
Acq: 25 Jul 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

S-854-J-SO-3-3.5-072024



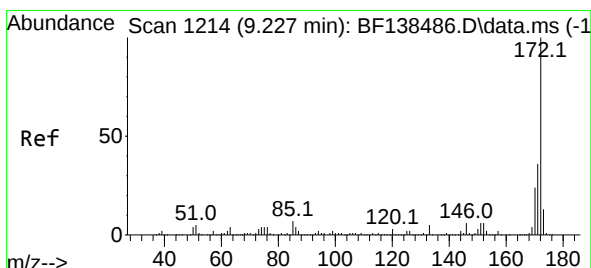
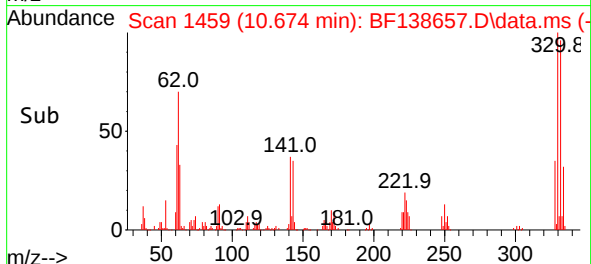
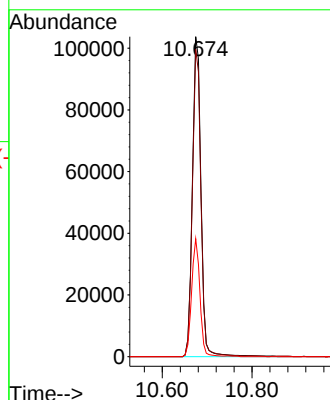
Tgt Ion:330 Resp: 137513

Ion Ratio Lower Upper

330 100

332 95.6 76.8 115.2

141 36.0 29.4 44.2



#45

2-Fluorobiphenyl

Concen: 72.982 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.023 min

Lab File: BF138657.D

Acq: 25 Jul 2024 17:20

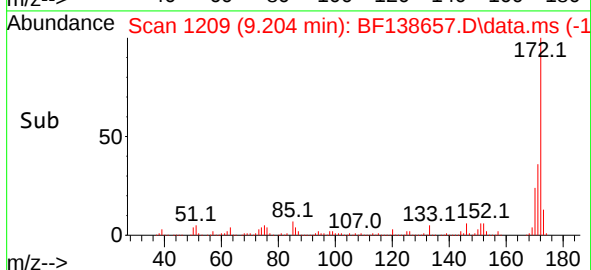
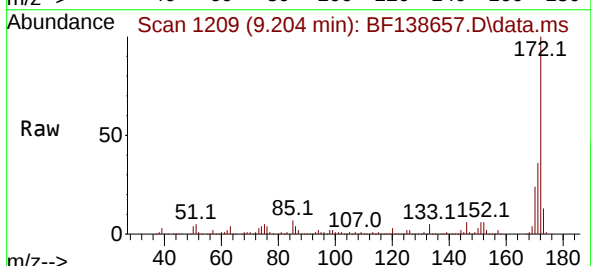
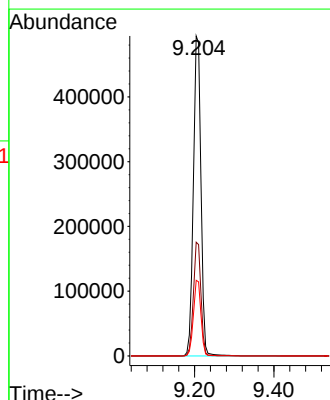
Tgt Ion:172 Resp: 657730

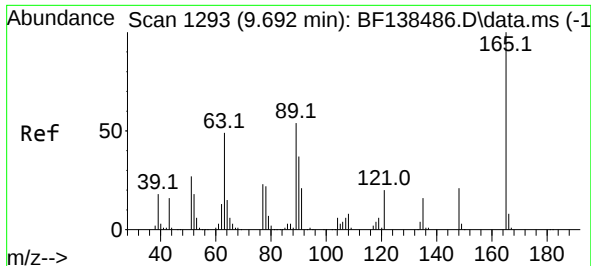
Ion Ratio Lower Upper

172 100

171 35.5 28.9 43.3

170 23.7 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.435 ng

RT: 9.886 min Scan# 11

Delta R.T. 0.194 min

Lab File: BF138657.D

Acq: 25 Jul 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

S-854-J-SO-3-3.5-072024

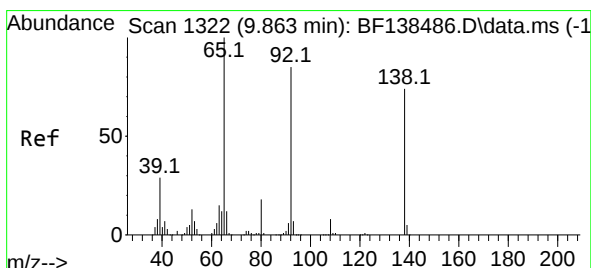
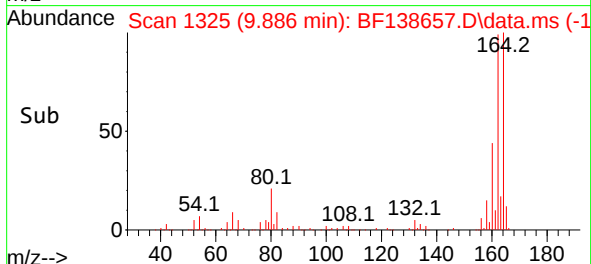
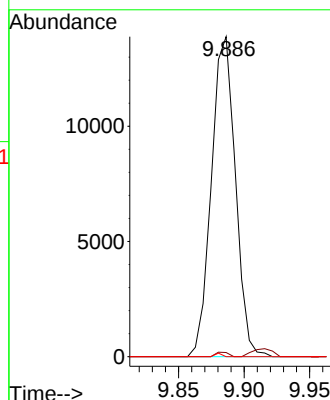
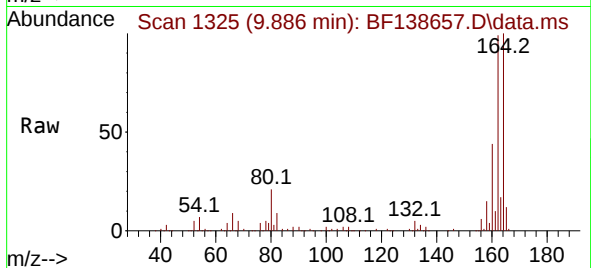
Tgt Ion:165 Resp: 17689

Ion Ratio Lower Upper

165 100

63 1.3 48.1 72.1#

89 0.0 43.0 64.6#



#53

3-Nitroaniline

Concen: 8.750 ng

RT: 9.986 min Scan# 1342

Delta R.T. 0.124 min

Lab File: BF138657.D

Acq: 25 Jul 2024 17:20

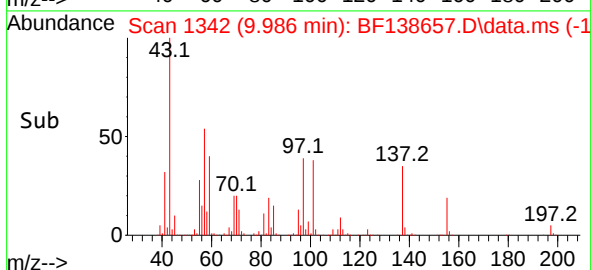
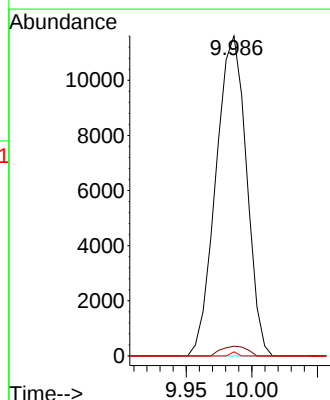
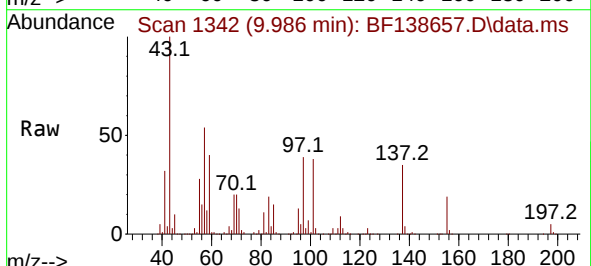
Tgt Ion:138 Resp: 18806

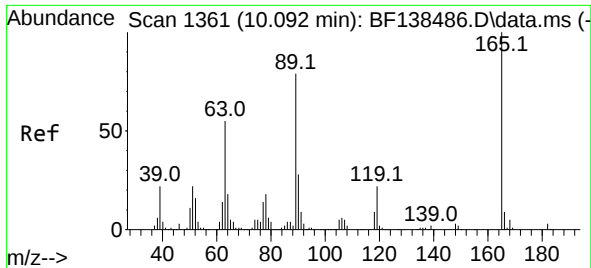
Ion Ratio Lower Upper

138 100

108 3.0 8.3 12.5#

92 1.3 92.6 138.8#

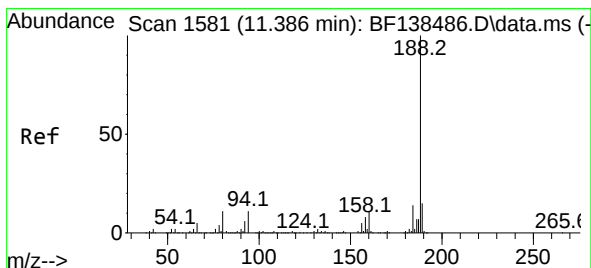
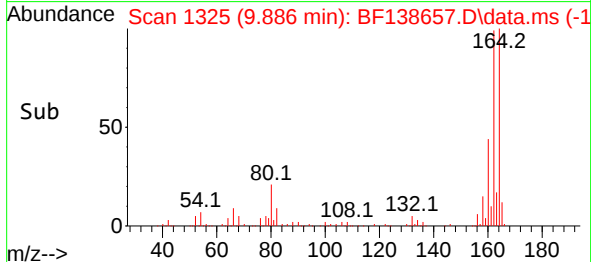
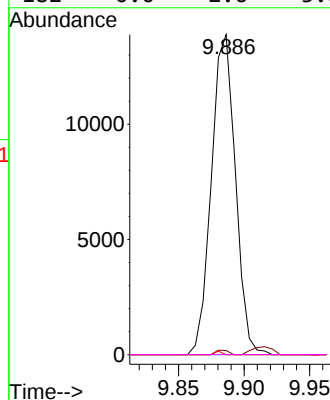
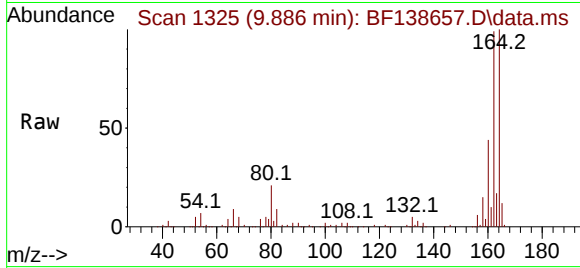




#57  
2,4-Dinitrotoluene  
Concen: 6.519 ng  
RT: 9.886 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF138657.D  
Acq: 25 Jul 2024 17:20

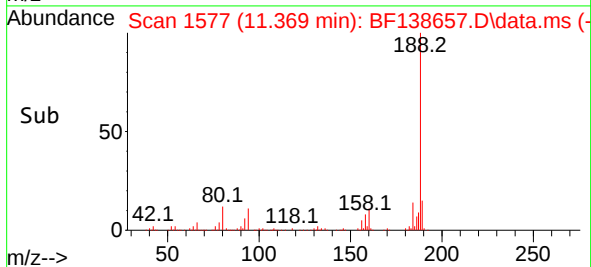
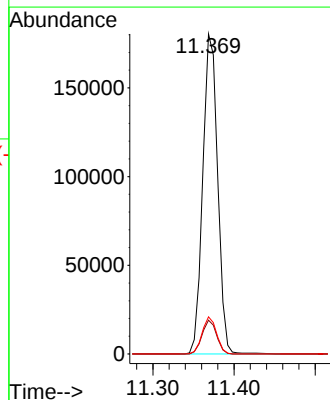
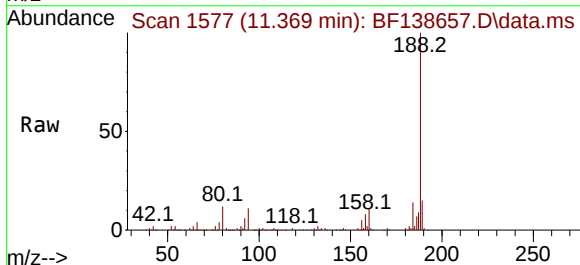
Instrument :  
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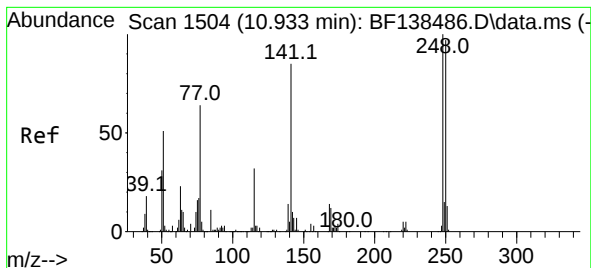
Tgt Ion:165 Resp: 17689  
Ion Ratio Lower Upper  
165 100  
63 1.3 44.6 66.8#  
89 0.0 63.4 95.2#  
182 0.0 2.6 3.8#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.369 min Scan# 1577  
Delta R.T. -0.018 min  
Lab File: BF138657.D  
Acq: 25 Jul 2024 17:20

Tgt Ion:188 Resp: 229188  
Ion Ratio Lower Upper  
188 100  
94 10.6 8.7 13.1  
80 11.6 9.0 13.4

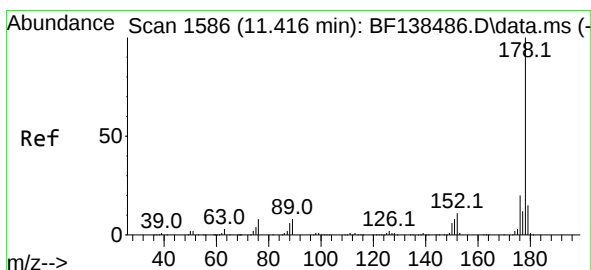
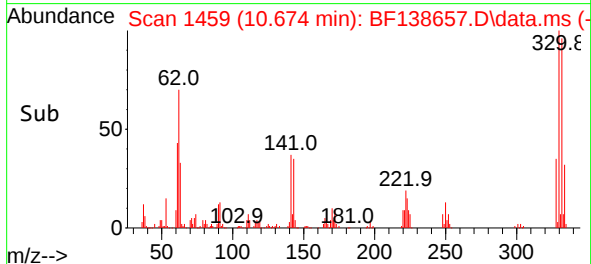
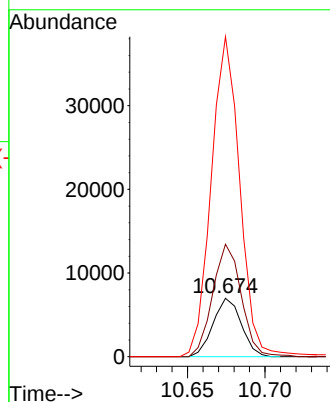
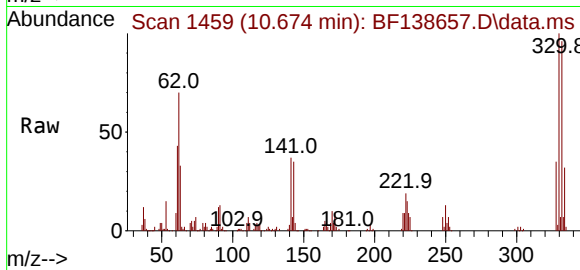




#67  
4-Bromophenyl-phenylether  
Concen: 3.759 ng  
RT: 10.674 min Scan# 1459  
Delta R.T. -0.259 min  
Lab File: BF138657.D  
Acq: 25 Jul 2024 17:20

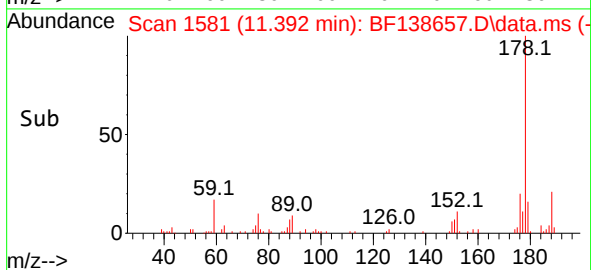
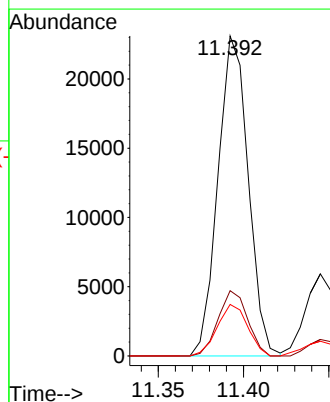
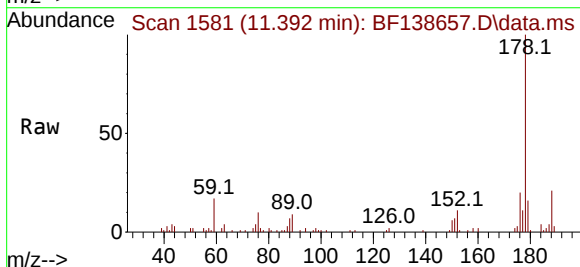
Instrument :  
BNA\_F  
ClientSampleId :  
S-854-J-SO-3-3.5-072024

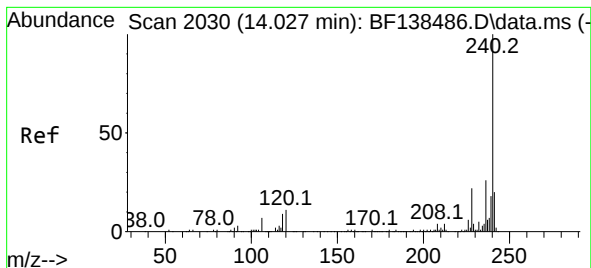
Tgt Ion:248 Resp: 8855  
Ion Ratio Lower Upper  
248 100  
250 192.4 77.9 116.9#  
141 547.4 67.7 101.5#



#71  
Phenanthrene  
Concen: 2.464 ng  
RT: 11.392 min Scan# 1581  
Delta R.T. -0.023 min  
Lab File: BF138657.D  
Acq: 25 Jul 2024 17:20

Tgt Ion:178 Resp: 28527  
Ion Ratio Lower Upper  
178 100  
176 20.4 15.7 23.5  
179 16.1 12.2 18.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2030

Delta R.T. -0.023 min

Lab File: BF138657.D

Acq: 25 Jul 2024 17:20

Instrument :

BNA\_F

ClientSampleId :

S-854-J-SO-3-3.5-072024

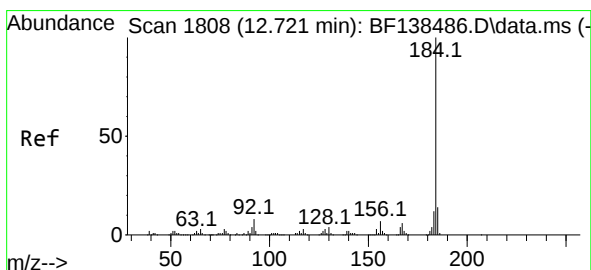
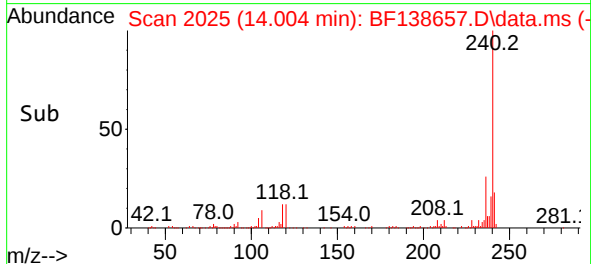
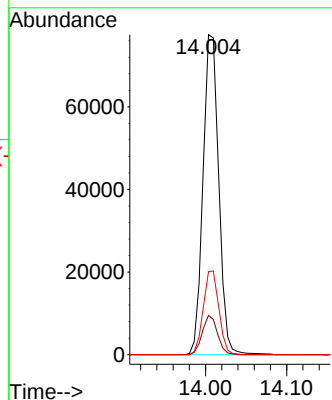
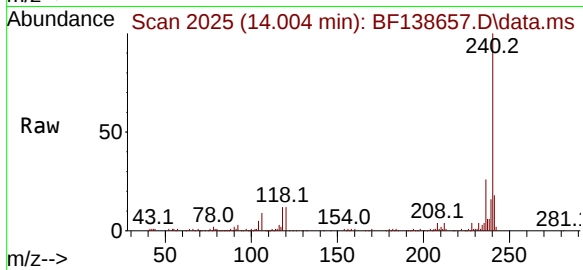
Tgt Ion:240 Resp: 104275

Ion Ratio Lower Upper

240 100

120 12.3 8.6 12.8

236 25.9 21.0 31.6



#77

Benzidine

Concen: 2.598 ng

RT: 12.951 min Scan# 1846

Delta R.T. 0.230 min

Lab File: BF138657.D

Acq: 25 Jul 2024 17:20

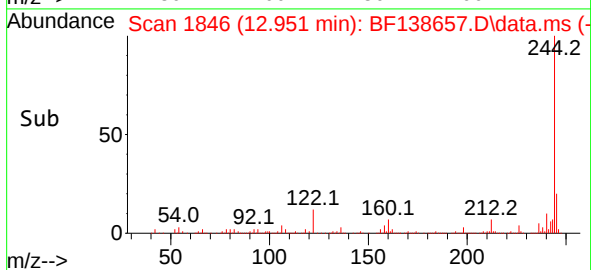
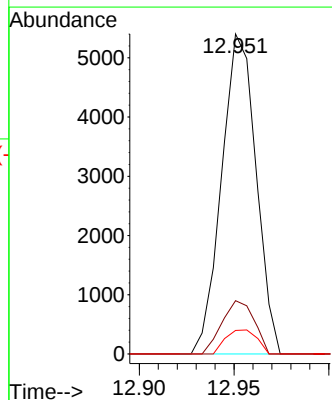
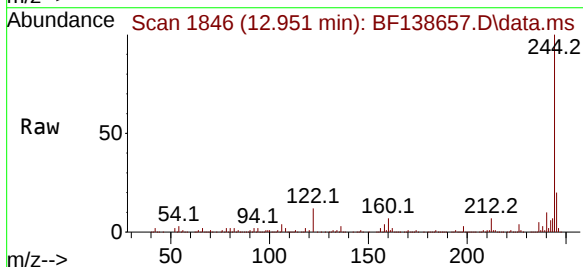
Tgt Ion:184 Resp: 6835

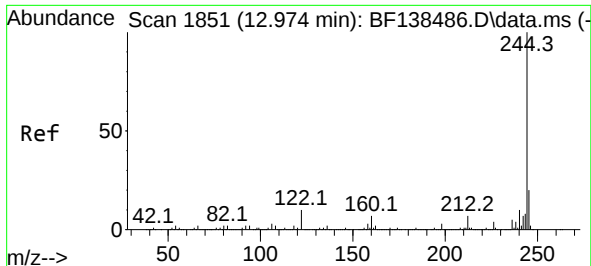
Ion Ratio Lower Upper

184 100

185 16.6 11.3 16.9

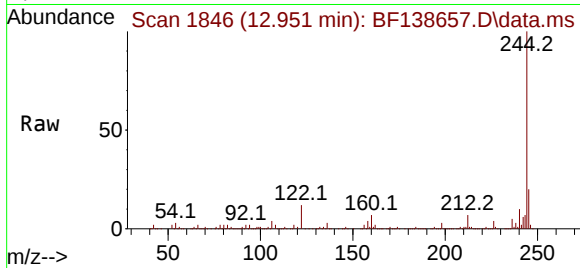
183 7.3 9.5 14.3#



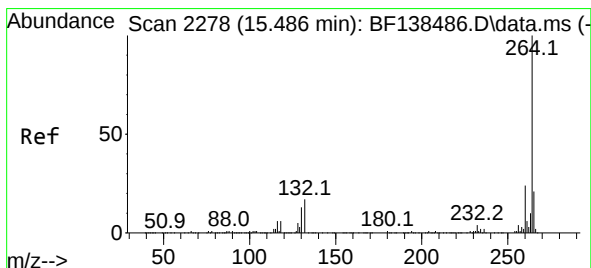
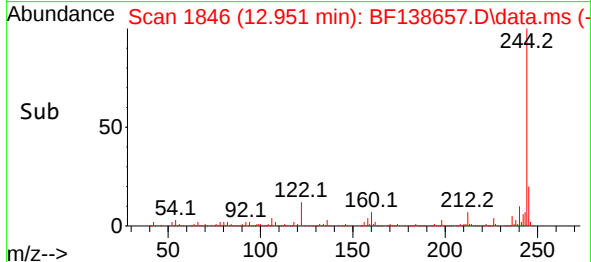
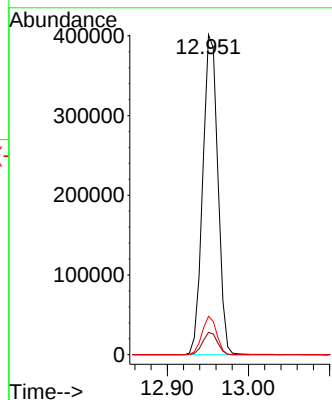


#79  
 Terphenyl-d14  
 Concen: 80.917 ng  
 RT: 12.951 min Scan# 1846  
 Delta R.T. -0.023 min  
 Lab File: BF138657.D  
 Acq: 25 Jul 2024 17:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-854-J-SO-3-3.5-072024



Tgt Ion:244 Resp: 517925  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.5 8.3  
 122 12.0 7.8 11.8#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.468 min Scan# 2274  
 Delta R.T. -0.018 min  
 Lab File: BF138657.D  
 Acq: 25 Jul 2024 17:20

Tgt Ion:264 Resp: 118718  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 19.0 28.6  
 265 21.0 17.0 25.4

