

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081224\  
 Data File : BF138957.D  
 Acq On : 13 Aug 2024 02:57  
 Operator : RC/JU  
 Sample : P3548-11  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 289

Quant Time: Aug 13 03:28:03 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

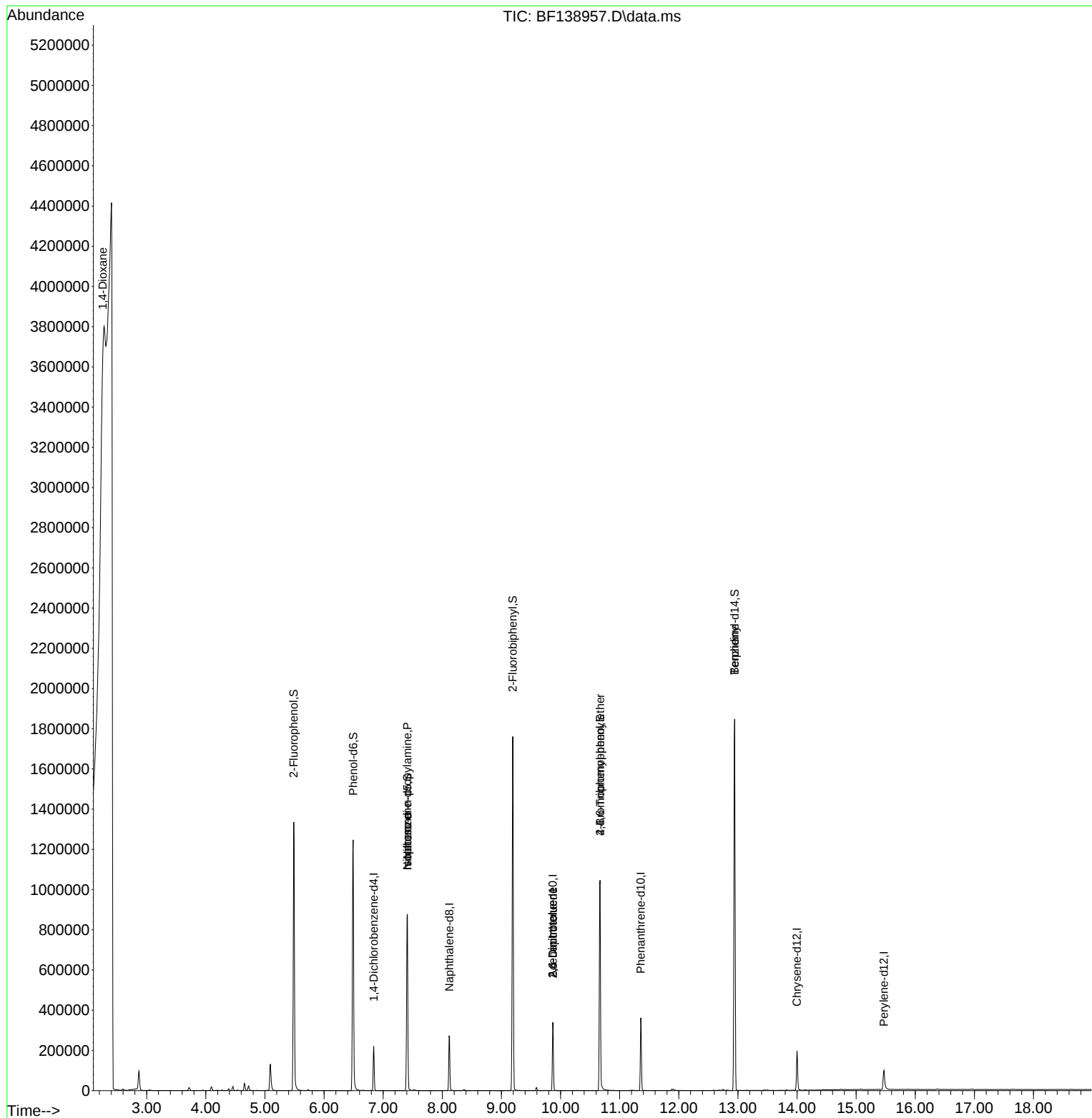
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.840  | 152  | 40402    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 169084   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.869  | 164  | 96667    | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.357 | 188  | 187790   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.998 | 240  | 99090    | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.468 | 264  | 71138    | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 455178   | 173.911 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.493  | 99   | 579311   | 164.858 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 405258   | 117.182 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 163316   | 206.251 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 754874   | 117.330 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.945 | 244  | 906527   | 153.171 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.257  | 88   | 12409    | 10.829  | ng    | # 14     |
| 19) n-Nitroso-di-n-propyla... | 7.410  | 70   | 56073    | 26.420  | ng    | # 78     |
| 25) Isophorone                | 7.410  | 82   | 405256   | 68.626  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.869  | 165  | 11813    | 8.468   | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.869  | 165  | 11813    | 6.638   | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 10.669 | 248  | 11861    | 5.834   | ng    | # 1      |
| 77) Benzidine                 | 12.945 | 184  | 12929    | 5.455   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

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

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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

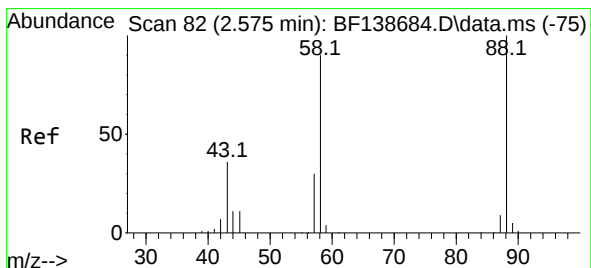
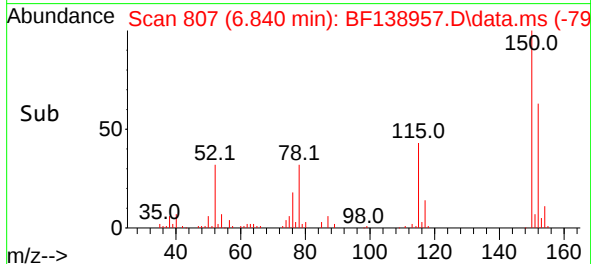
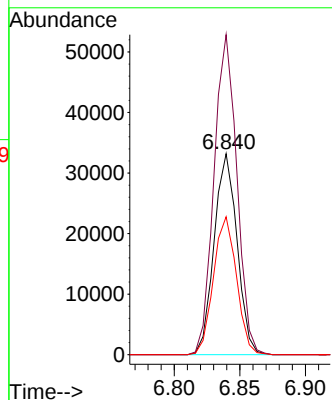
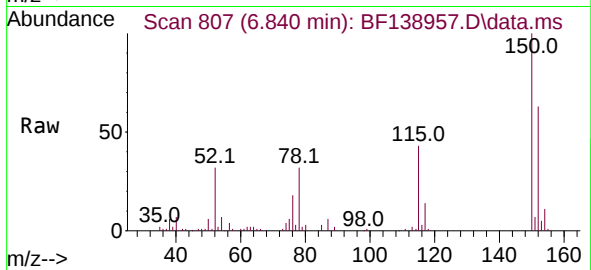




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.840 min Scan# 80  
Delta R.T. -0.005 min  
Lab File: BF138957.D  
Acq: 13 Aug 2024 02:57

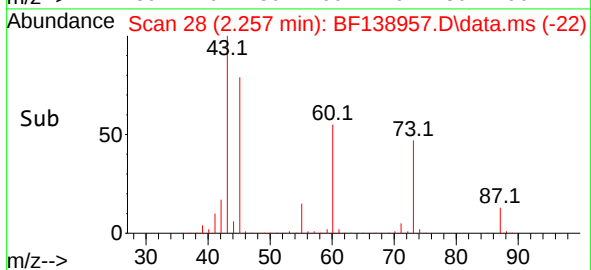
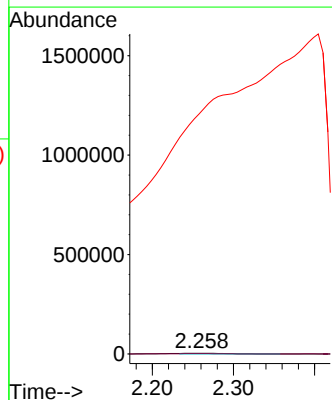
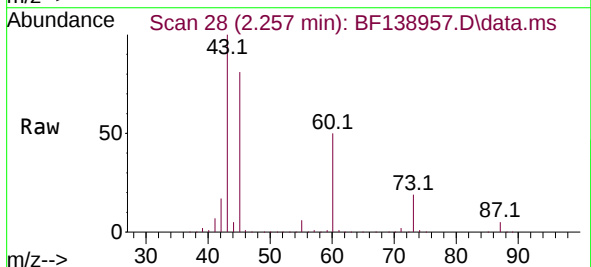
Instrument :  
BNA\_F  
ClientSampleId :  
289

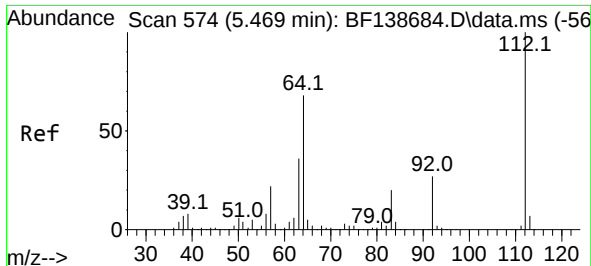
Tgt Ion:152 Resp: 40402  
Ion Ratio Lower Upper  
152 100  
150 159.3 126.0 189.0  
115 68.6 51.7 77.5



#2  
1,4-Dioxane  
Concen: 10.829 ng  
RT: 2.257 min Scan# 28  
Delta R.T. -0.318 min  
Lab File: BF138957.D  
Acq: 13 Aug 2024 02:57

Tgt Ion: 88 Resp: 12409  
Ion Ratio Lower Upper  
88 100  
58 0.0 71.6 107.4#  
43 0.0 28.7 43.1#

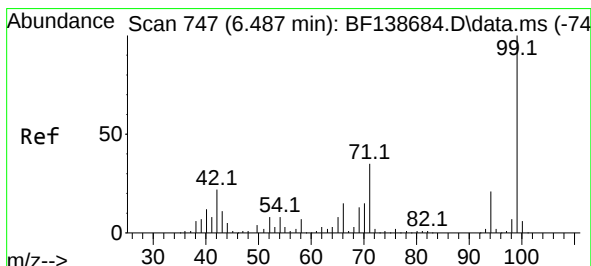
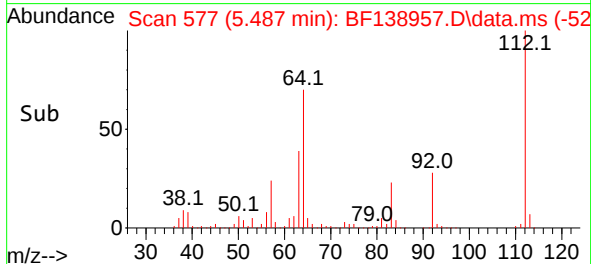
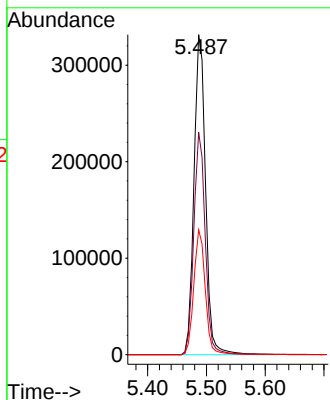
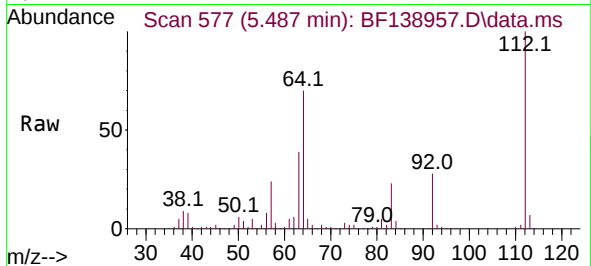




#5  
2-Fluorophenol  
Concen: 173.911 ng  
RT: 5.487 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF138957.D  
Acq: 13 Aug 2024 02:57

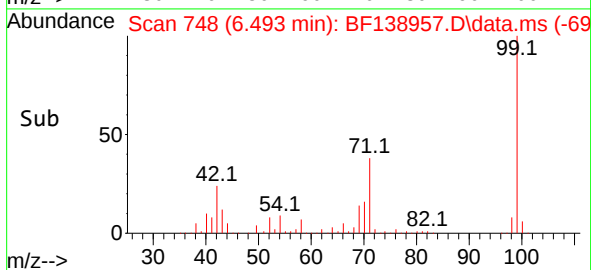
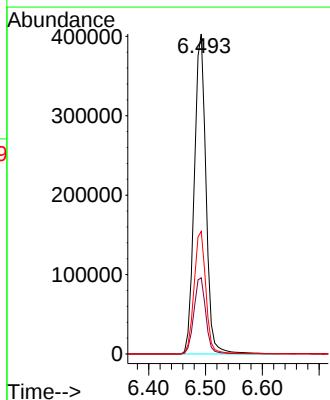
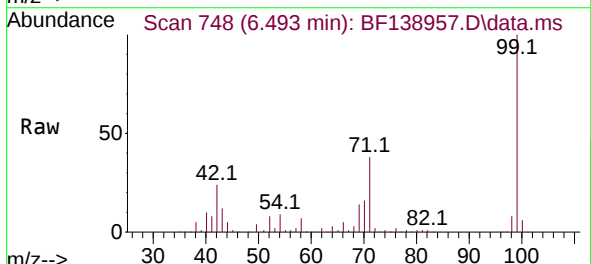
Instrument :  
BNA\_F  
ClientSampleId :  
289

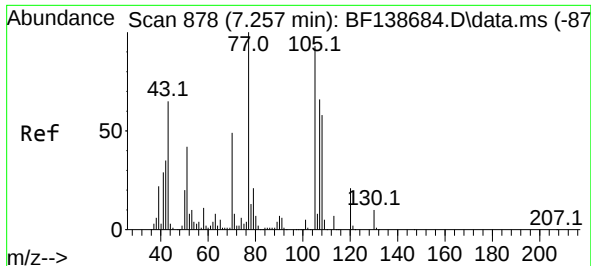
Tgt Ion:112 Resp: 455178  
Ion Ratio Lower Upper  
112 100  
64 69.5 54.2 81.4  
63 39.0 28.7 43.1



#7  
Phenol-d6  
Concen: 164.858 ng  
RT: 6.493 min Scan# 748  
Delta R.T. 0.006 min  
Lab File: BF138957.D  
Acq: 13 Aug 2024 02:57

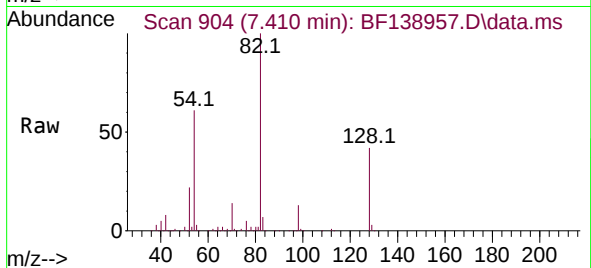
Tgt Ion: 99 Resp: 579311  
Ion Ratio Lower Upper  
99 100  
42 23.8 17.4 26.0  
71 38.3 28.1 42.1



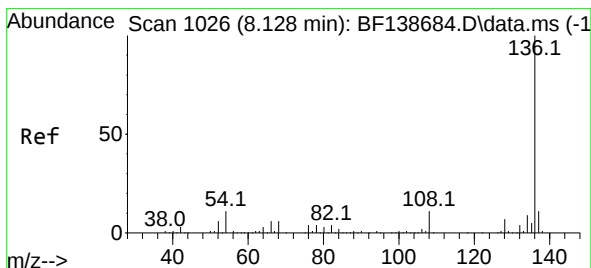
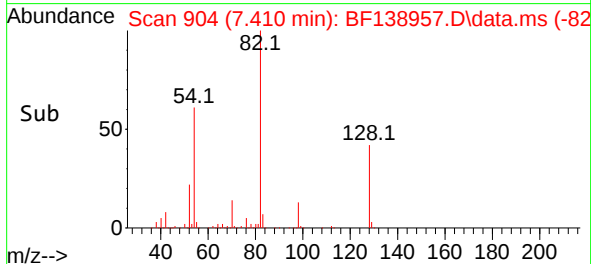
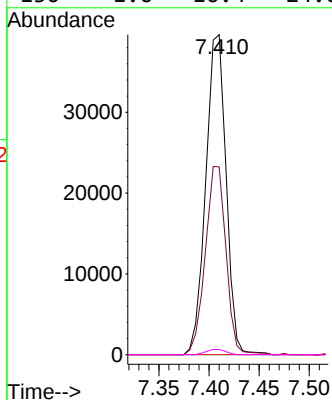


#19  
n-Nitroso-di-n-propylamine  
Concen: 26.420 ng  
RT: 7.410 min Scan# 90  
Delta R.T. 0.153 min  
Lab File: BF138957.D  
Acq: 13 Aug 2024 02:57

Instrument :  
BNA\_F  
ClientSampleId :  
289

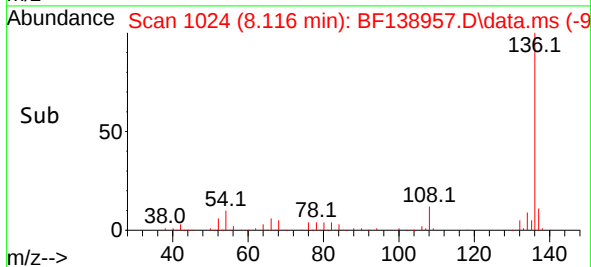
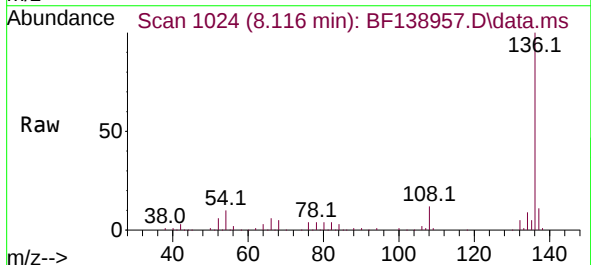
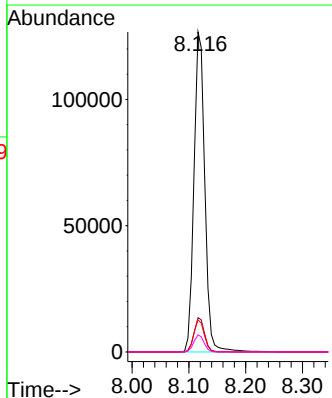


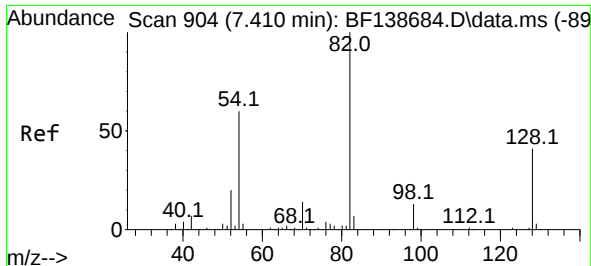
Tgt Ion: 70 Resp: 56073  
Ion Ratio Lower Upper  
70 100  
42 58.7 57.4 86.0  
101 0.0 7.5 11.3#  
130 1.6 16.4 24.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1024  
Delta R.T. -0.012 min  
Lab File: BF138957.D  
Acq: 13 Aug 2024 02:57

Tgt Ion: 136 Resp: 169084  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.9 13.3  
54 10.0 8.6 12.8  
68 5.4 4.8 7.2





#23

Nitrobenzene-d5

Concen: 117.182 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF138957.D

Acq: 13 Aug 2024 02:57

Instrument :

BNA\_F

ClientSampleId :

289

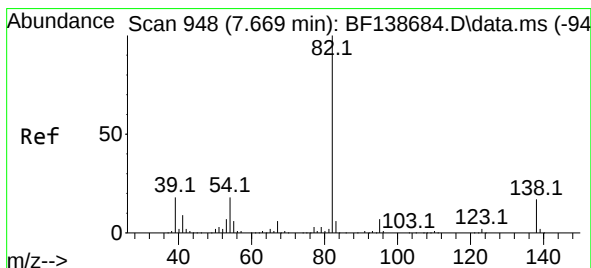
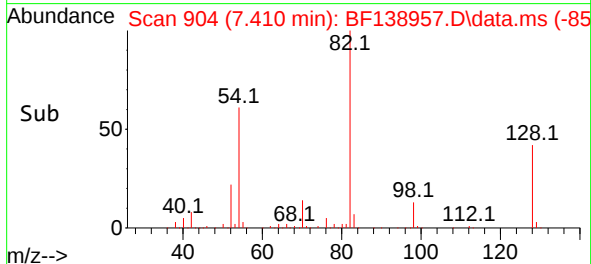
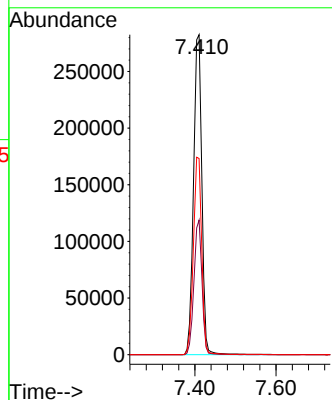
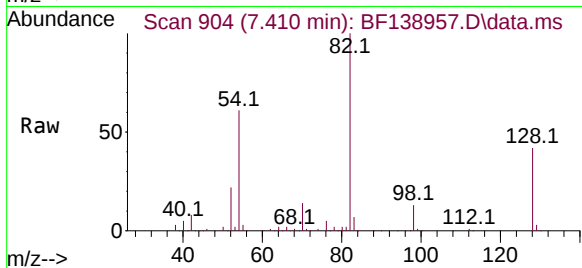
Tgt Ion: 82 Resp: 405258

Ion Ratio Lower Upper

82 100

128 42.0 32.8 49.2

54 61.3 48.3 72.5



#25

Isophorone

Concen: 68.626 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.259 min

Lab File: BF138957.D

Acq: 13 Aug 2024 02:57

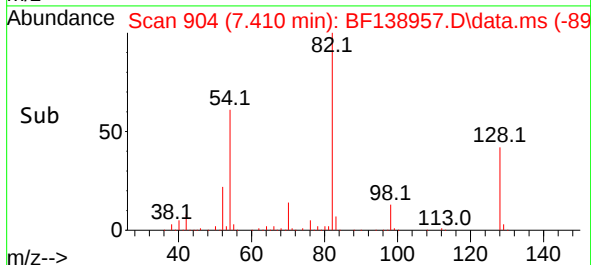
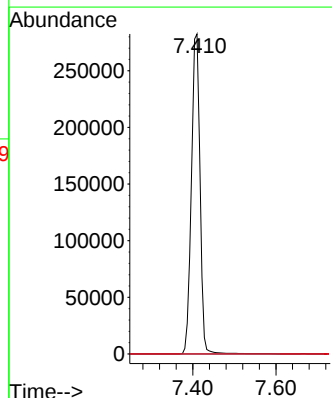
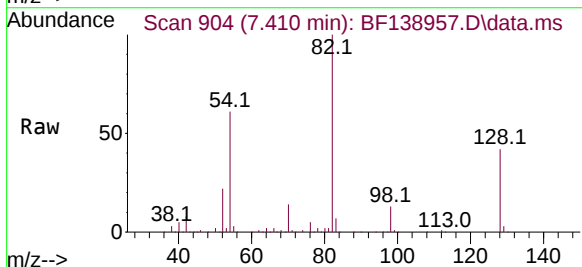
Tgt Ion: 82 Resp: 405256

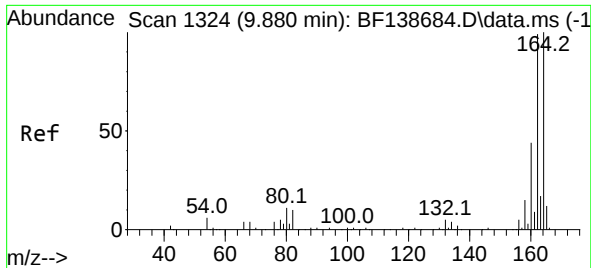
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.011 min

Lab File: BF138957.D

Acq: 13 Aug 2024 02:57

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BNA\_F

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289

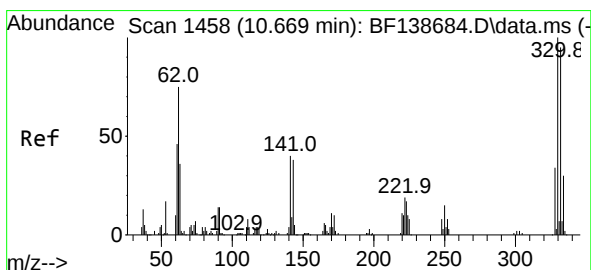
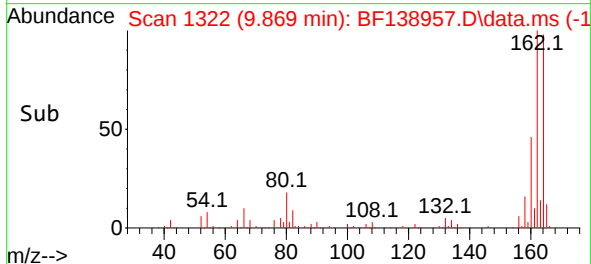
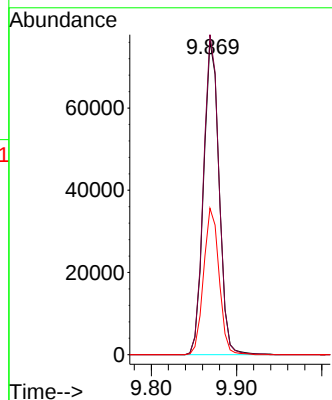
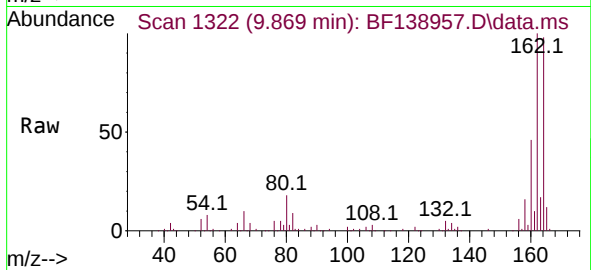
Tgt Ion:164 Resp: 96667

Ion Ratio Lower Upper

164 100

162 102.0 79.4 119.0

160 46.7 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 206.251 ng

RT: 10.669 min Scan# 1458

Delta R.T. 0.000 min

Lab File: BF138957.D

Acq: 13 Aug 2024 02:57

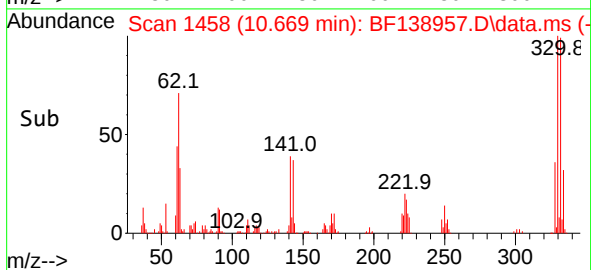
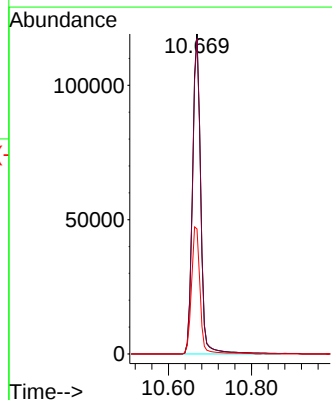
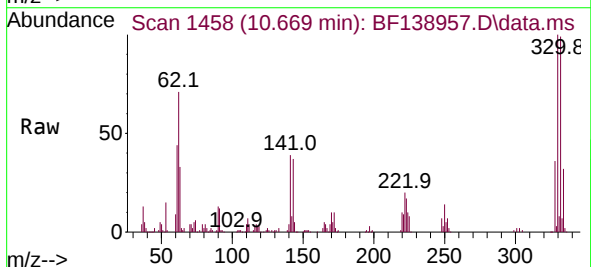
Tgt Ion:330 Resp: 163316

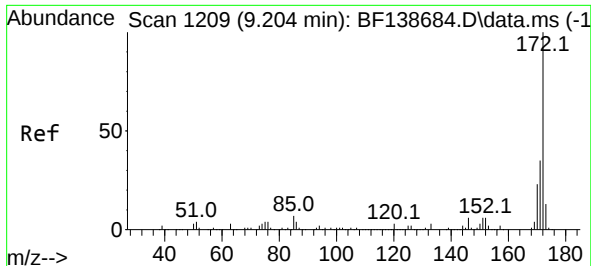
Ion Ratio Lower Upper

330 100

332 97.2 76.4 114.6

141 41.3 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 117.330 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138957.D

Acq: 13 Aug 2024 02:57

Instrument :

BNA\_F

ClientSampleId :

289

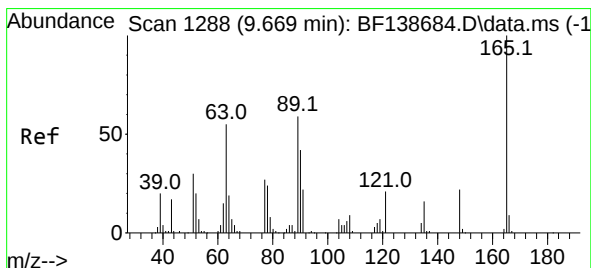
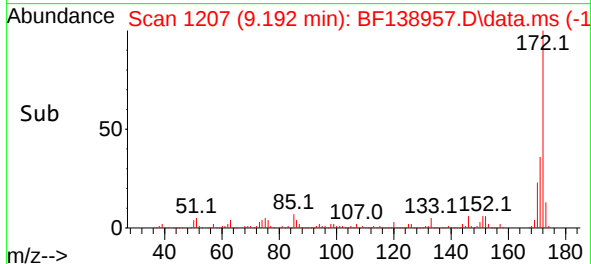
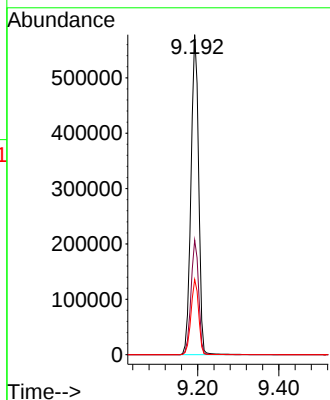
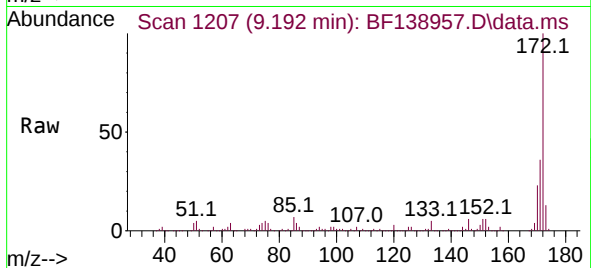
Tgt Ion:172 Resp: 754874

Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.5 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 8.468 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.200 min

Lab File: BF138957.D

Acq: 13 Aug 2024 02:57

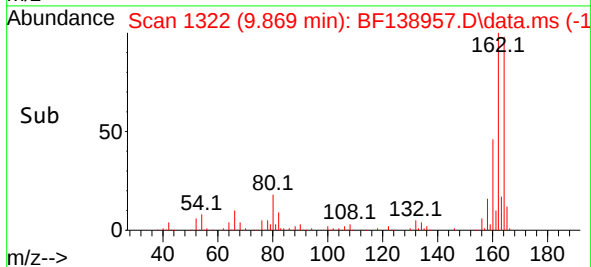
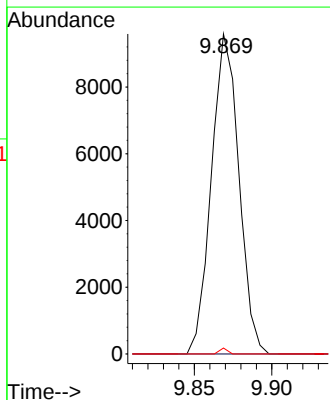
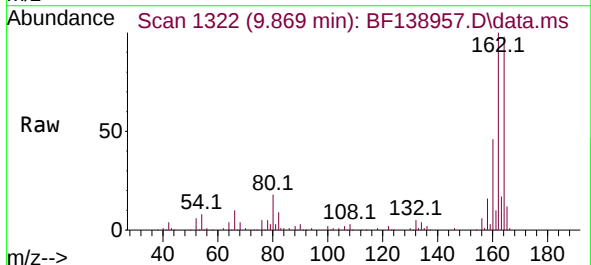
Tgt Ion:165 Resp: 11813

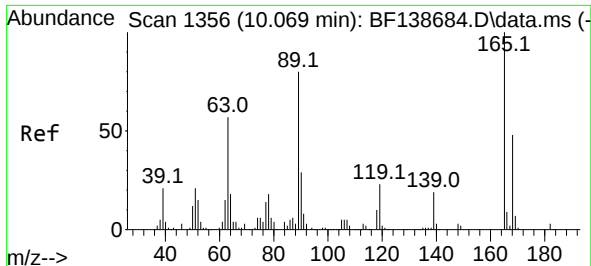
Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 1.9 47.0 70.6#

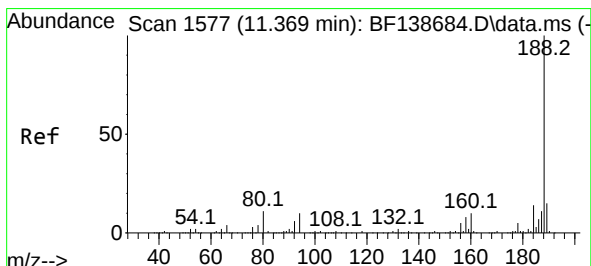
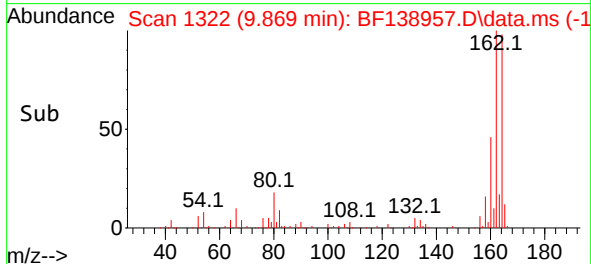
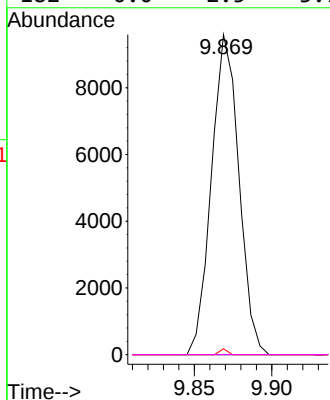
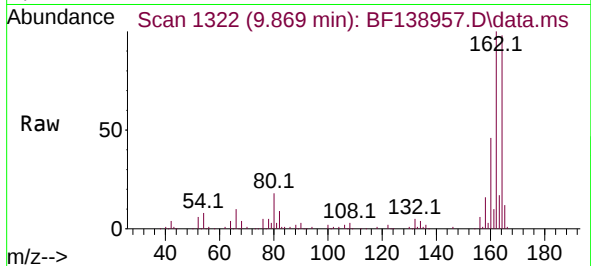




#57  
2,4-Dinitrotoluene  
Concen: 6.638 ng  
RT: 9.869 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF138957.D  
Acq: 13 Aug 2024 02:57

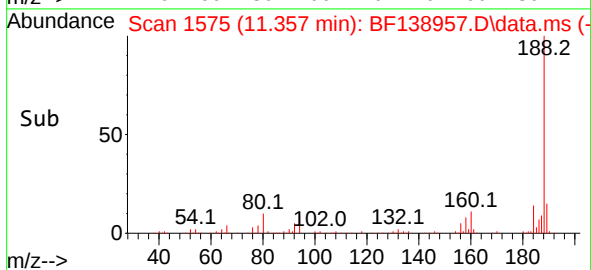
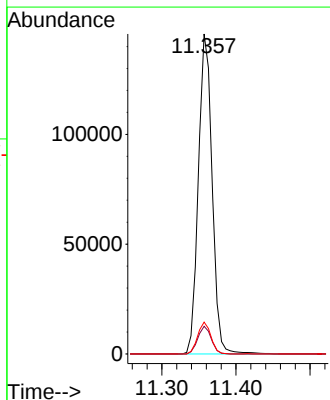
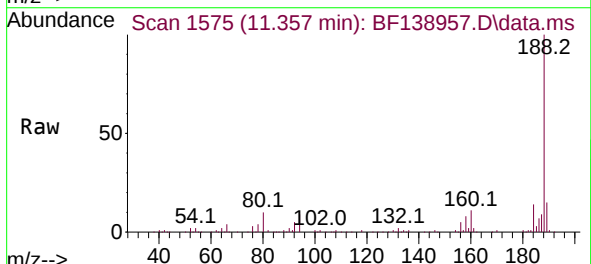
Instrument :  
BNA\_F  
ClientSampleId :  
289

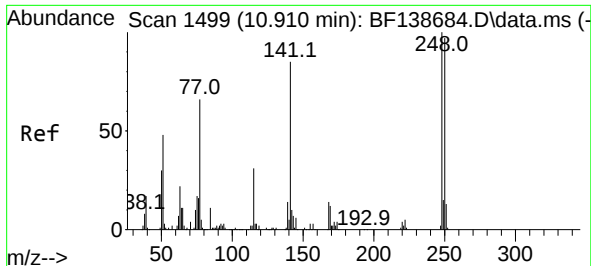
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Ion Ratio Lower Upper  
165 100  
63 0.0 46.3 69.5#  
89 1.9 64.2 96.4#  
182 0.0 2.5 3.7#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.357 min Scan# 1575  
Delta R.T. -0.012 min  
Lab File: BF138957.D  
Acq: 13 Aug 2024 02:57

Tgt Ion:188 Resp: 187790  
Ion Ratio Lower Upper  
188 100  
94 8.6 7.6 11.4  
80 10.0 8.6 12.8

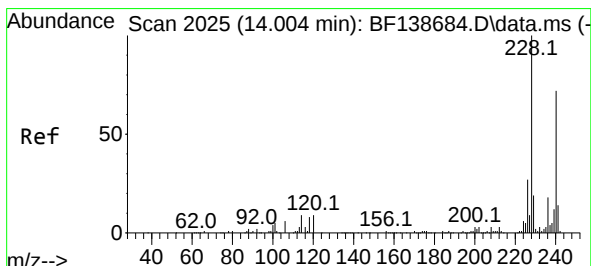
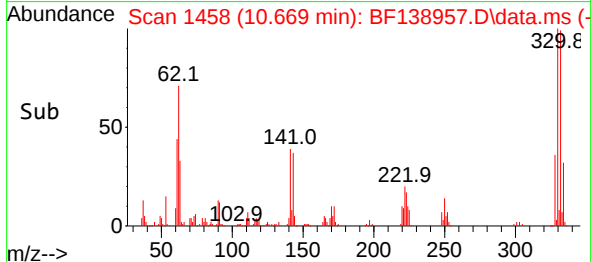
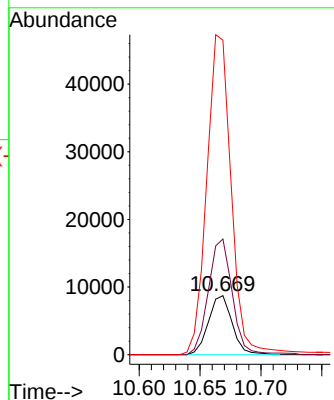
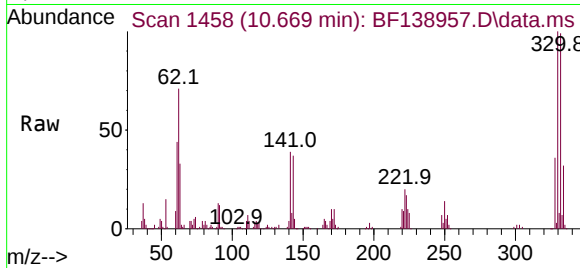




#67  
4-Bromophenyl-phenylether  
Concen: 5.834 ng  
RT: 10.669 min Scan# 1499  
Delta R.T. -0.241 min  
Lab File: BF138957.D  
Acq: 13 Aug 2024 02:57

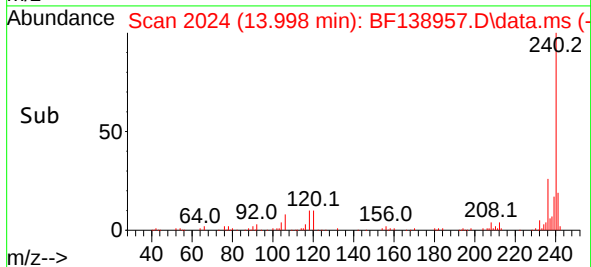
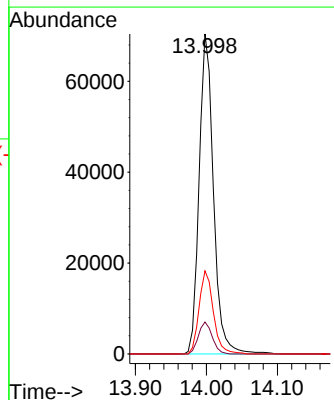
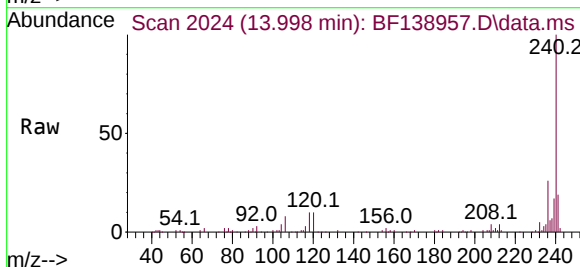
Instrument :  
BNA\_F  
ClientSampleId :  
289

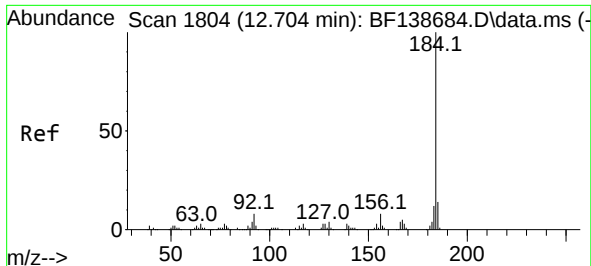
Tgt Ion:248 Resp: 11861  
Ion Ratio Lower Upper  
248 100  
250 195.9 77.7 116.5#  
141 532.8 68.0 102.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.998 min Scan# 2024  
Delta R.T. -0.006 min  
Lab File: BF138957.D  
Acq: 13 Aug 2024 02:57

Tgt Ion:240 Resp: 99090  
Ion Ratio Lower Upper  
240 100  
120 10.0 10.2 15.4#  
236 25.9 19.8 29.8

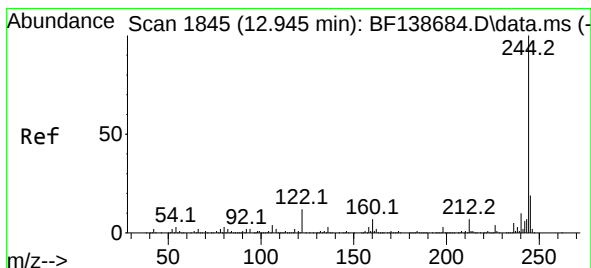
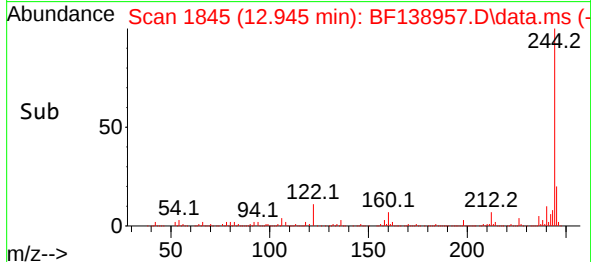
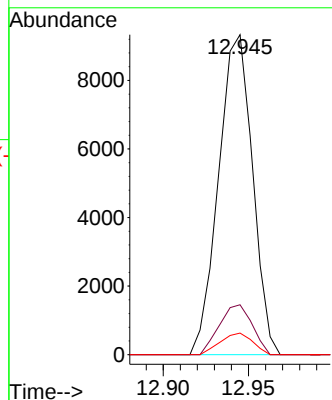
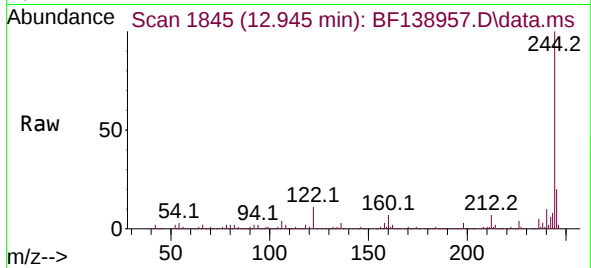




#77  
Benzidine  
Concen: 5.455 ng  
RT: 12.945 min Scan# 1845  
Delta R.T. 0.241 min  
Lab File: BF138957.D  
Acq: 13 Aug 2024 02:57

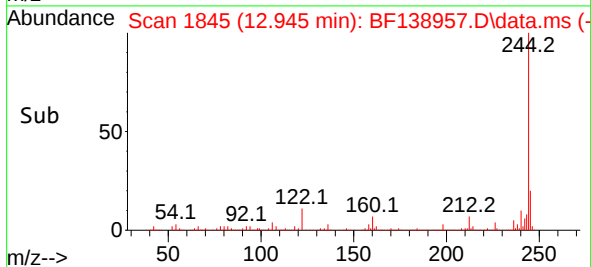
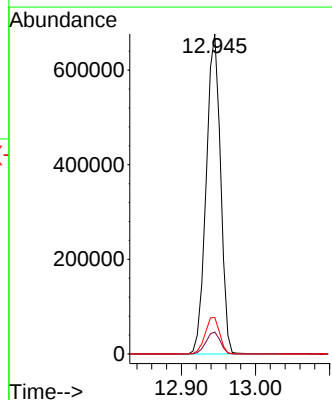
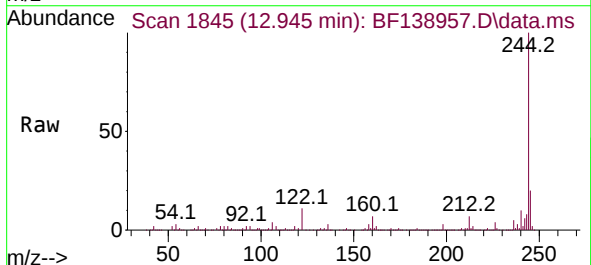
Instrument :  
BNA\_F  
ClientSampleId :  
289

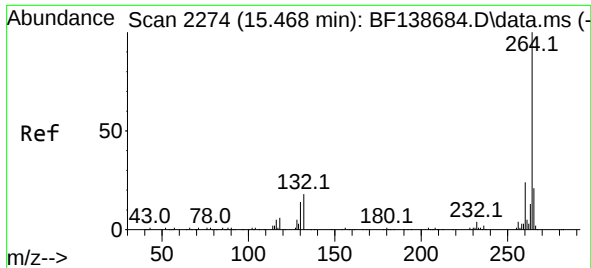
Tgt Ion:184 Resp: 12929  
Ion Ratio Lower Upper  
184 100  
185 15.6 11.1 16.7  
183 6.7 9.6 14.4#



#79  
Terphenyl-d14  
Concen: 153.171 ng  
RT: 12.945 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: BF138957.D  
Acq: 13 Aug 2024 02:57

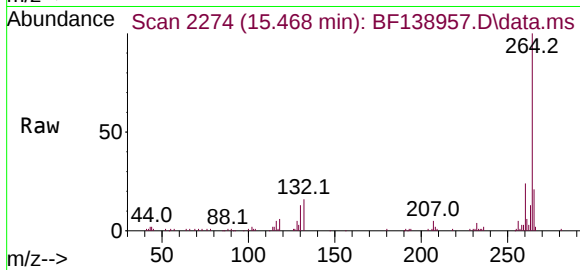
Tgt Ion:244 Resp: 906527  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.4 8.2  
122 11.4 9.6 14.4





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.468 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF138957.D  
Acq: 13 Aug 2024 02:57

Instrument :  
BNA\_F  
ClientSampleId :  
289



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 264   | Resp: | 71138 |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 24.0  | 19.0  | 28.6  |
| 265      | 21.4  | 17.0  | 25.6  |

