

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080124\  
 Data File : BF138730.D  
 Acq On : 01 Aug 2024 18:03  
 Operator : RC/JU  
 Sample : P3368-03  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONC-2

Quant Time: Aug 01 18:34:43 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

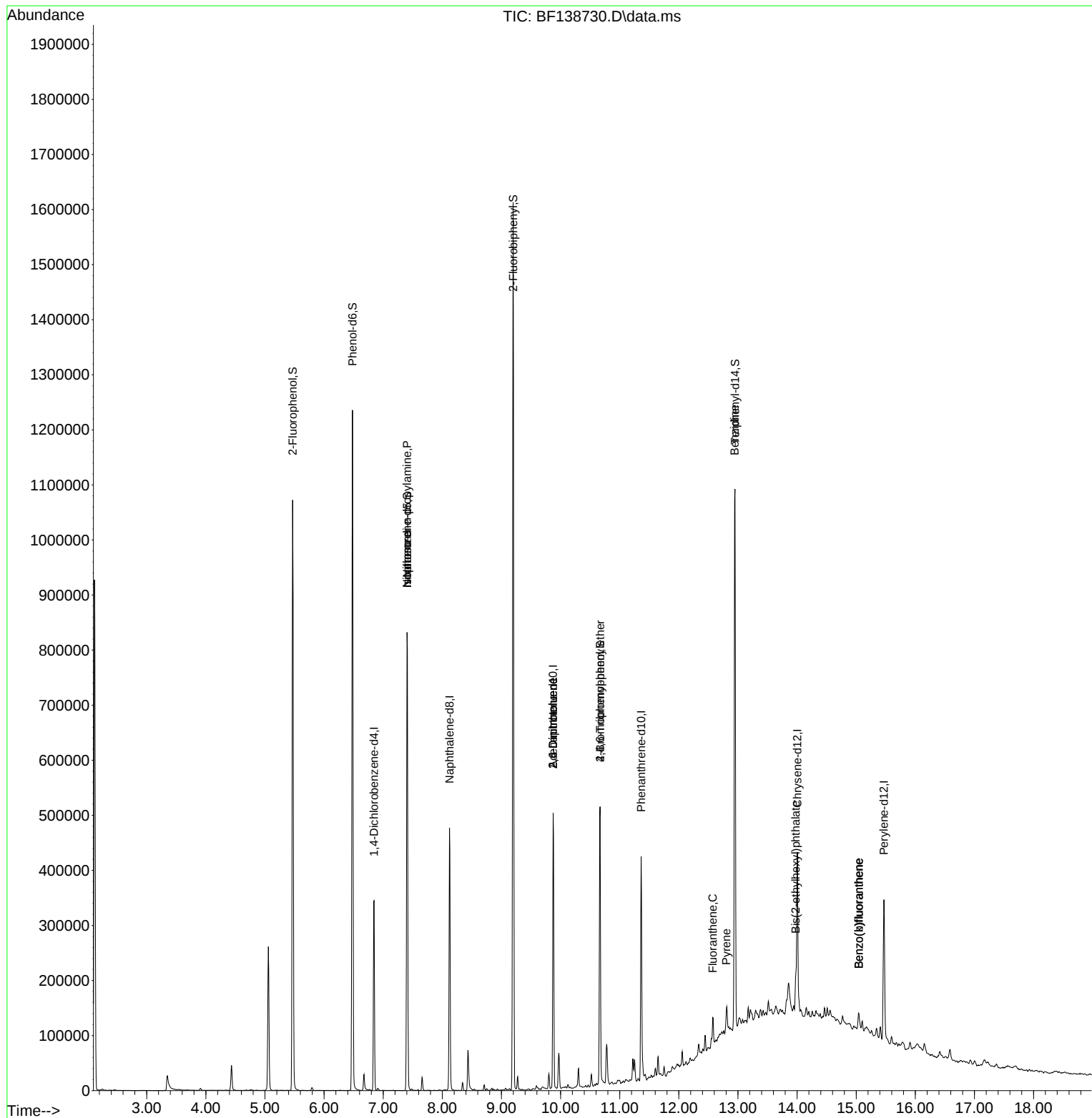
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 69909    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 281421   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.875  | 164  | 142977   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 201061   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 121066   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.468 | 264  | 138736   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 359277   | 79.332 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.481  | 99   | 542183   | 89.169 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 370057   | 64.290 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 77244    | 65.954 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 659945   | 69.351 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 470280   | 65.037 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 50587    | 13.775 | ng    | # 74     |
| 25) Isophorone                | 7.404  | 82   | 368352   | 37.477 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.875  | 165  | 18395    | 8.916  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.875  | 165  | 18395    | 6.988  | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.669 | 248  | 5257     | 2.415  | ng    | # 1      |
| 75) Fluoranthene              | 12.574 | 202  | 24834    | 2.569  | ng    | 98       |
| 77) Benzidine                 | 12.945 | 184  | 6051     | 2.090  | ng    | # 94     |
| 78) Pyrene                    | 12.804 | 202  | 23956    | 2.102  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 23155    | 4.332  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.045 | 252  | 20329    | 2.364  | ng    | # 86     |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 20329    | 2.730  | ng    | # 86     |
| -----                         |        |      |          |        |       |          |

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

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Quant Time: Aug 01 18:34:43 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

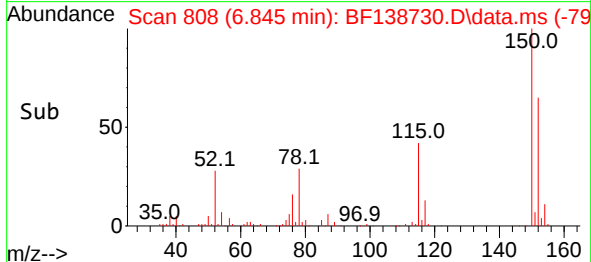
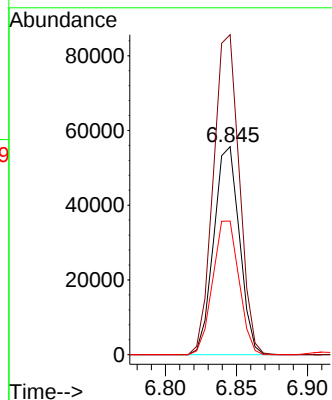
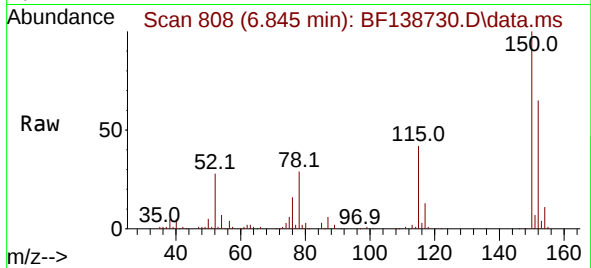




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.845 min Scan# 808  
Delta R.T. 0.000 min  
Lab File: BF138730.D  
Acq: 01 Aug 2024 18:03

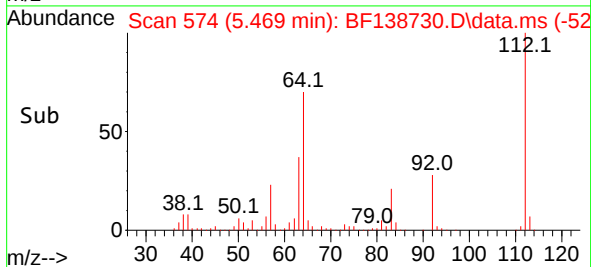
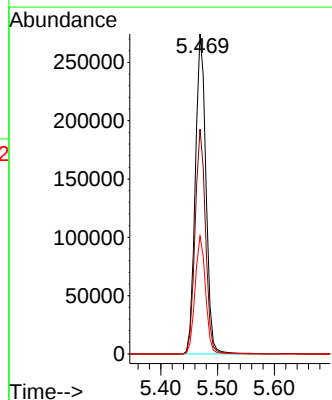
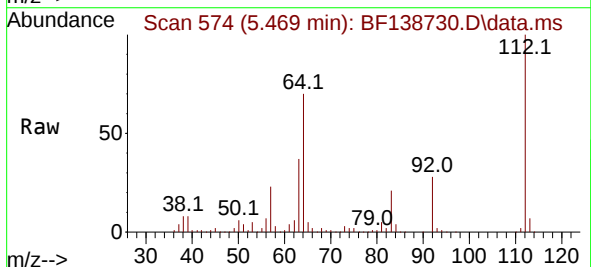
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-2

Tgt Ion:152 Resp: 69909  
Ion Ratio Lower Upper  
152 100  
150 153.9 126.0 189.0  
115 64.2 51.7 77.5



#5  
2-Fluorophenol  
Concen: 79.332 ng  
RT: 5.469 min Scan# 574  
Delta R.T. 0.000 min  
Lab File: BF138730.D  
Acq: 01 Aug 2024 18:03

Tgt Ion:112 Resp: 359277  
Ion Ratio Lower Upper  
112 100  
64 70.2 54.2 81.4  
63 36.8 28.7 43.1

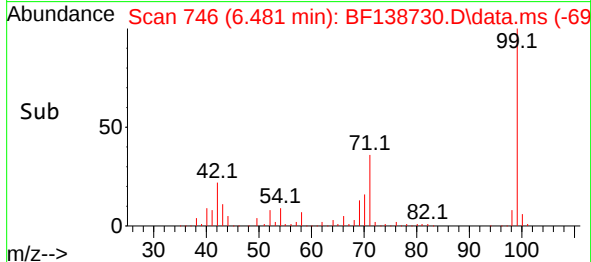
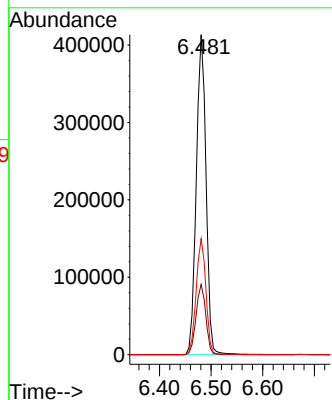
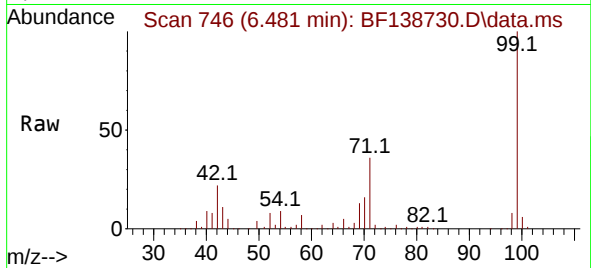




#7  
Phenol-d6  
Concen: 89.169 ng  
RT: 6.481 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF138730.D  
Acq: 01 Aug 2024 18:03

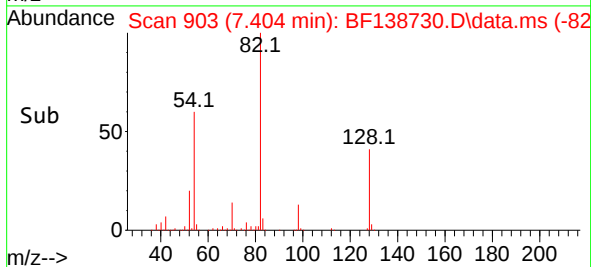
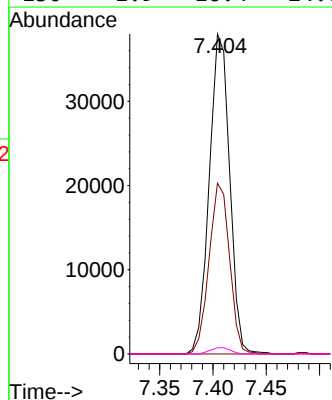
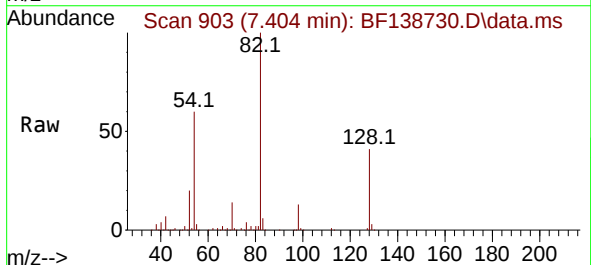
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-2

Tgt Ion: 99 Resp: 542183  
Ion Ratio Lower Upper  
99 100  
42 22.0 17.4 26.0  
71 36.3 28.1 42.1



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.775 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.147 min  
Lab File: BF138730.D  
Acq: 01 Aug 2024 18:03

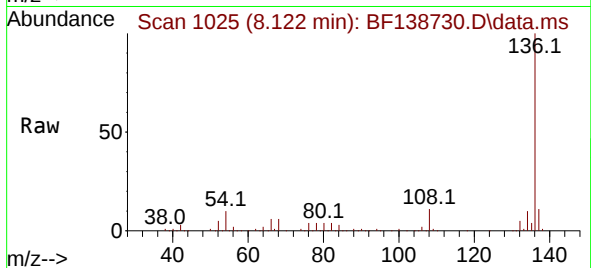
Tgt Ion: 70 Resp: 50587  
Ion Ratio Lower Upper  
70 100  
42 53.4 57.4 86.0#  
101 0.0 7.5 11.3#  
130 1.9 16.4 24.6#



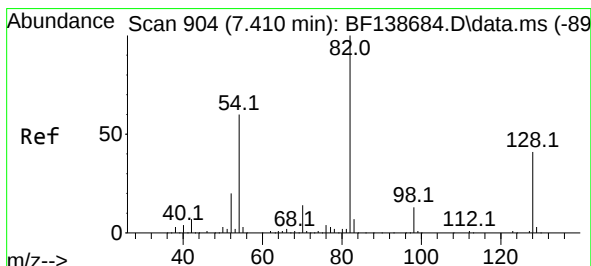
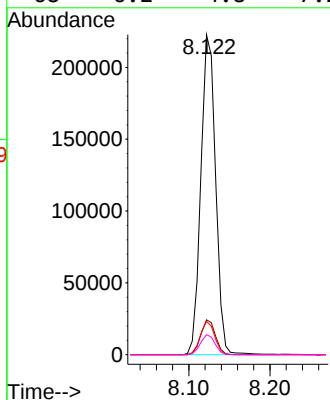
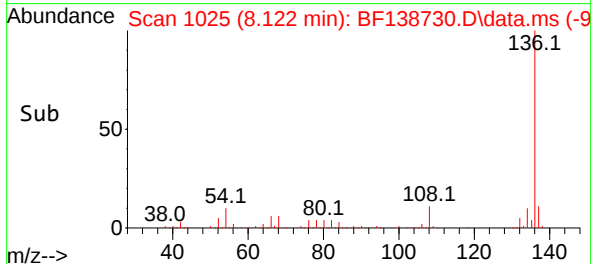


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF138730.D  
Acq: 01 Aug 2024 18:03

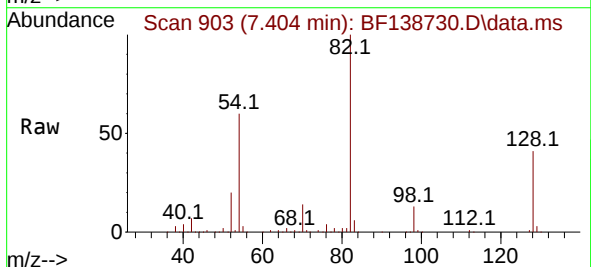
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-2



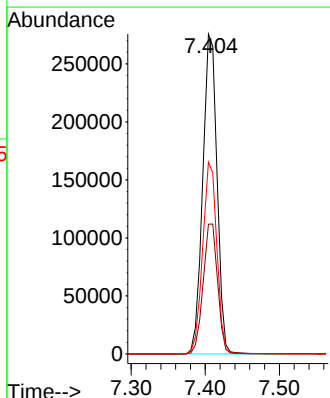
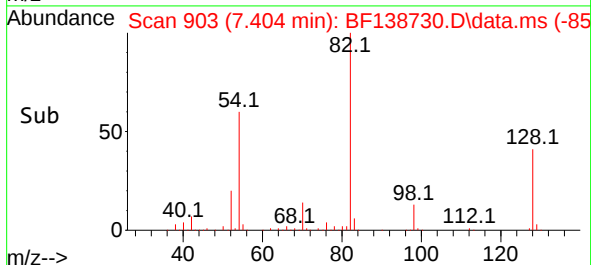
Tgt Ion:136 Resp: 281421  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.9 13.3  
54 10.4 8.6 12.8  
68 6.2 4.8 7.2



#23  
Nitrobenzene-d5  
Concen: 64.290 ng  
RT: 7.404 min Scan# 903  
Delta R.T. -0.006 min  
Lab File: BF138730.D  
Acq: 01 Aug 2024 18:03



Tgt Ion: 82 Resp: 370057  
Ion Ratio Lower Upper  
82 100  
128 40.6 32.8 49.2  
54 59.9 48.3 72.5

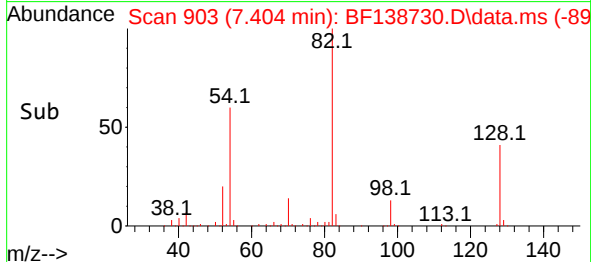
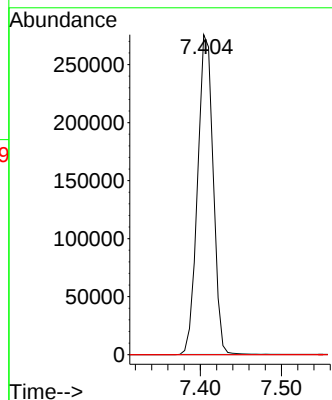
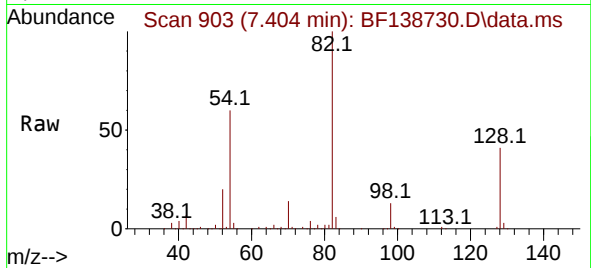




#25  
Isophorone  
Concen: 37.477 ng  
RT: 7.404 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF138730.D  
Acq: 01 Aug 2024 18:03

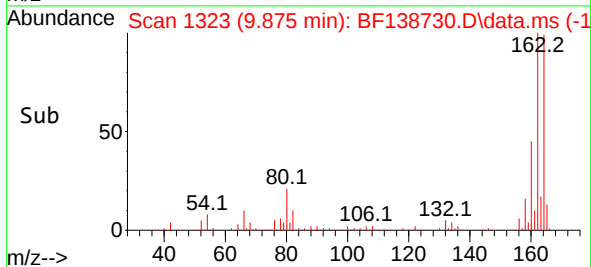
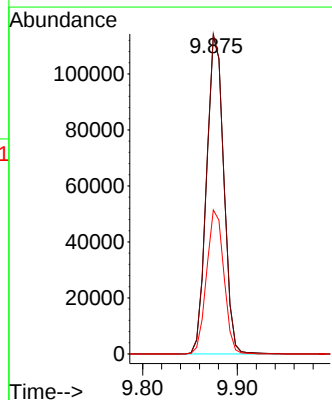
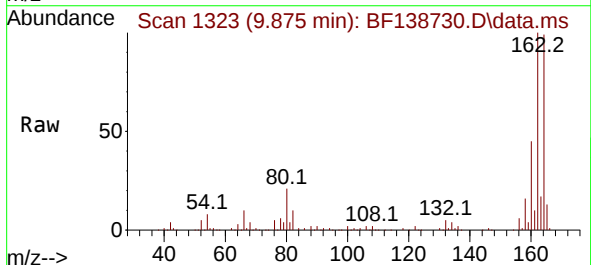
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-2

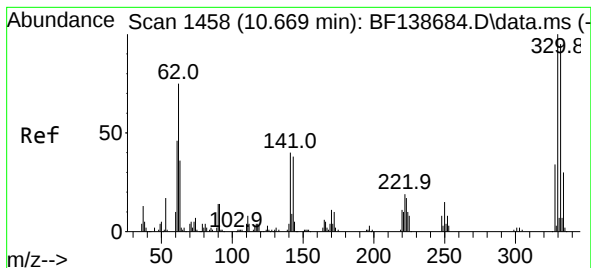
Tgt Ion: 82 Resp: 368352  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 13.7 20.5#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.875 min Scan# 1323  
Delta R.T. -0.005 min  
Lab File: BF138730.D  
Acq: 01 Aug 2024 18:03

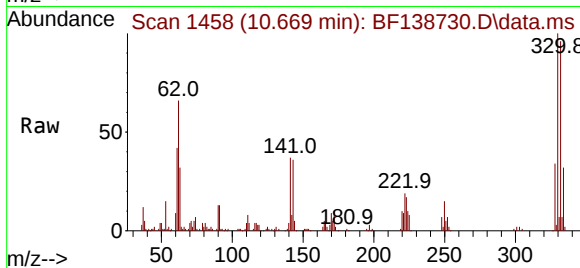
Tgt Ion:164 Resp: 142977  
Ion Ratio Lower Upper  
164 100  
162 100.6 79.4 119.0  
160 45.3 35.1 52.7



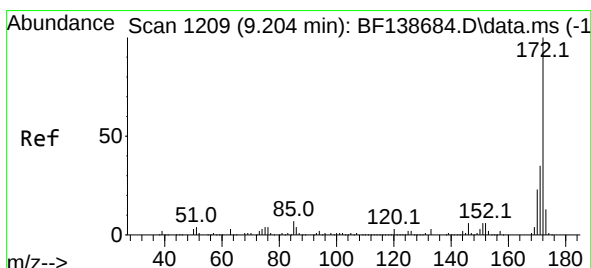
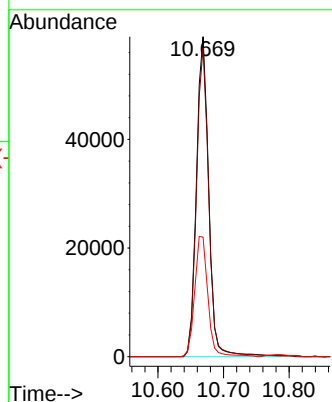
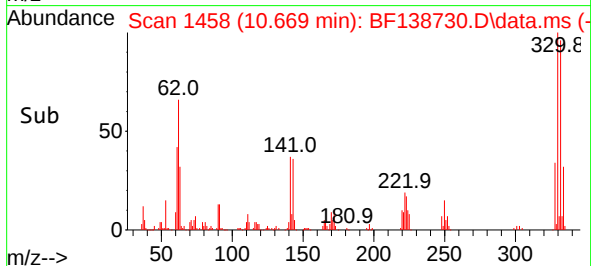


#42  
2,4,6-Tribromophenol  
Concen: 65.954 ng  
RT: 10.669 min Scan# 1458  
Delta R.T. 0.000 min  
Lab File: BF138730.D  
Acq: 01 Aug 2024 18:03

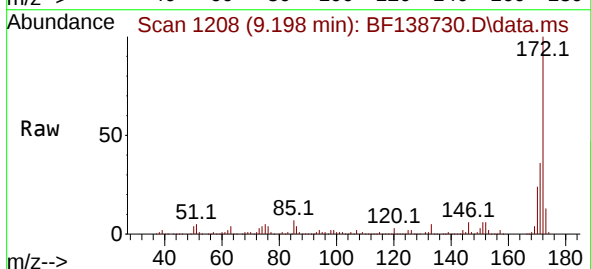
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-2



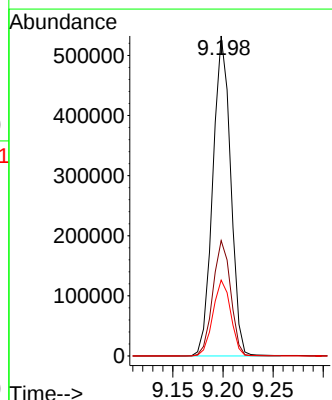
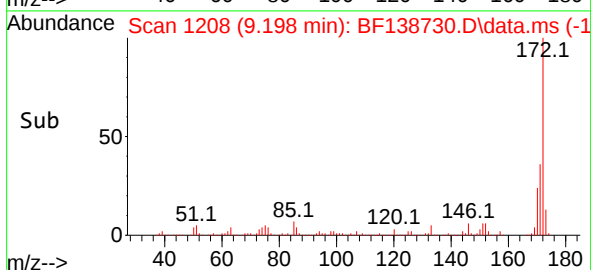
Tgt Ion:330 Resp: 77244  
Ion Ratio Lower Upper  
330 100  
332 96.3 76.4 114.6  
141 40.2 31.1 46.7

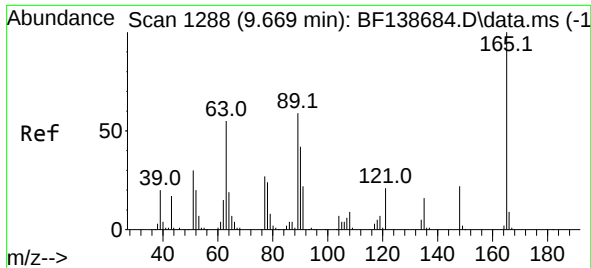


#45  
2-Fluorobiphenyl  
Concen: 69.351 ng  
RT: 9.198 min Scan# 1208  
Delta R.T. -0.006 min  
Lab File: BF138730.D  
Acq: 01 Aug 2024 18:03



Tgt Ion:172 Resp: 659945  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.3 42.5  
170 23.7 18.8 28.2

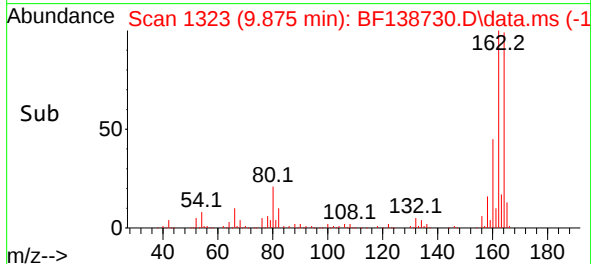
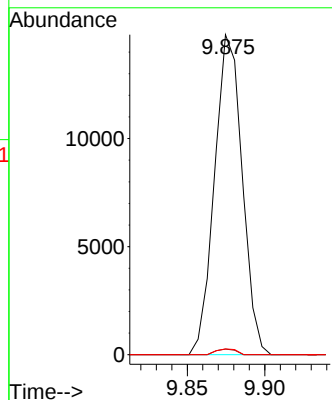
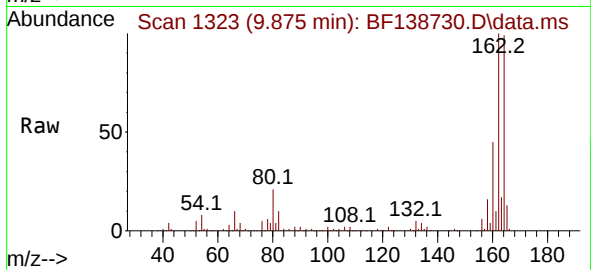




#51  
2,6-Dinitrotoluene  
Concen: 8.916 ng  
RT: 9.875 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF138730.D  
Acq: 01 Aug 2024 18:03

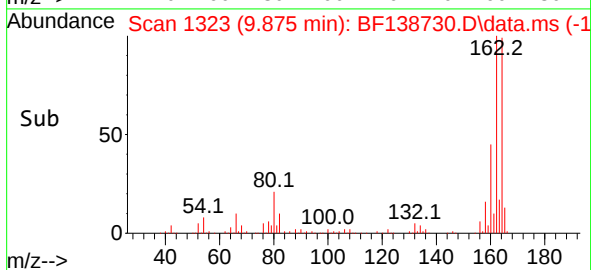
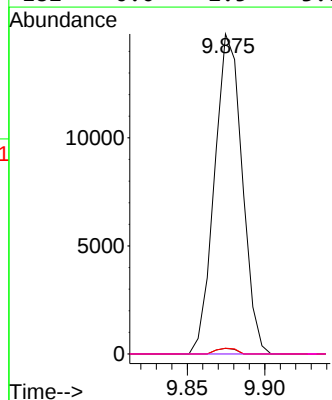
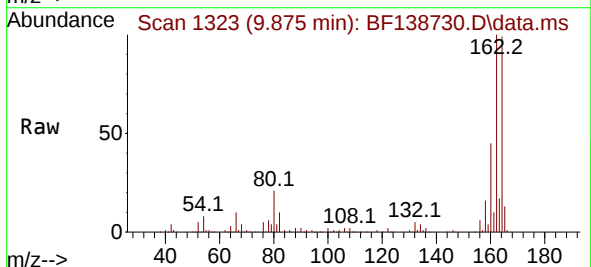
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-2

Tgt Ion:165 Resp: 18395  
Ion Ratio Lower Upper  
165 100  
63 1.7 52.0 78.0#  
89 1.8 47.0 70.6#



#57  
2,4-Dinitrotoluene  
Concen: 6.988 ng  
RT: 9.875 min Scan# 1323  
Delta R.T. -0.194 min  
Lab File: BF138730.D  
Acq: 01 Aug 2024 18:03

Tgt Ion:165 Resp: 18395  
Ion Ratio Lower Upper  
165 100  
63 1.7 46.3 69.5#  
89 1.8 64.2 96.4#  
182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138730.D

Acq: 01 Aug 2024 18:03

Instrument :

BNA\_F

ClientSampleId :

CONC-2

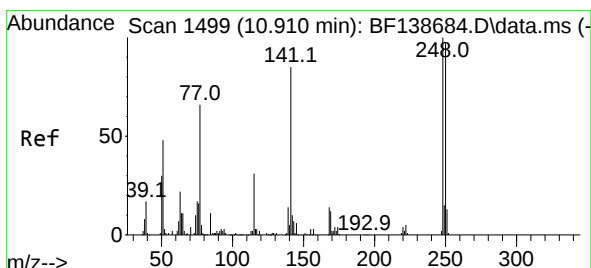
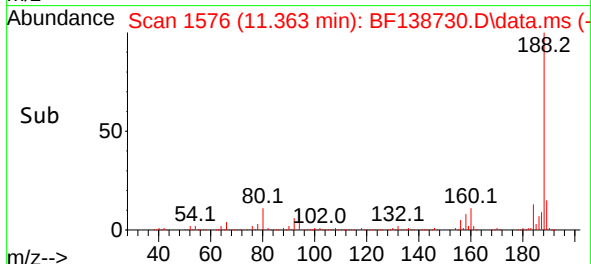
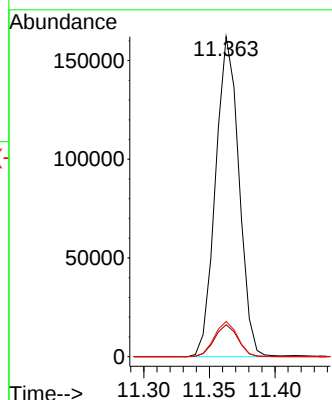
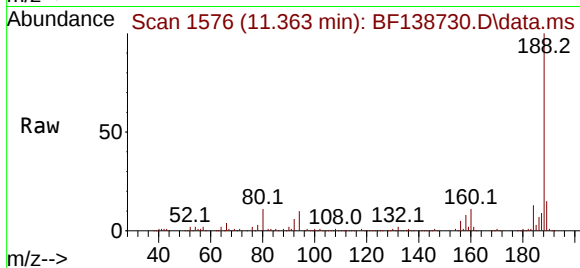
Tgt Ion:188 Resp: 201061

Ion Ratio Lower Upper

188 100

94 10.0 7.6 11.4

80 11.0 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.415 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.241 min

Lab File: BF138730.D

Acq: 01 Aug 2024 18:03

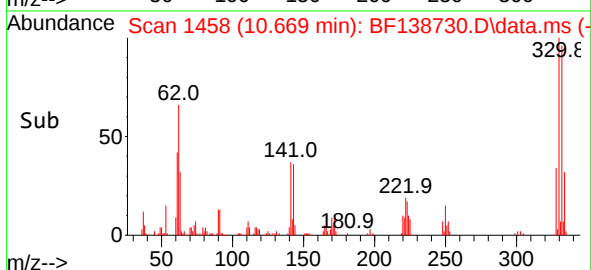
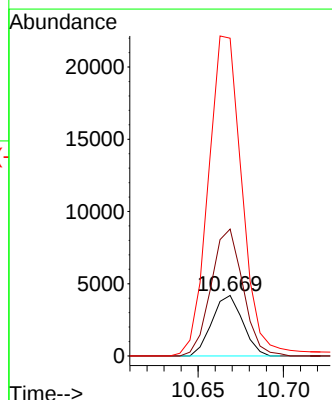
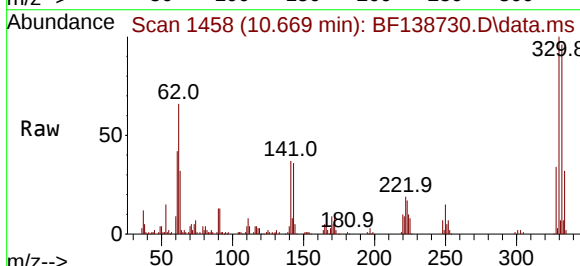
Tgt Ion:248 Resp: 5257

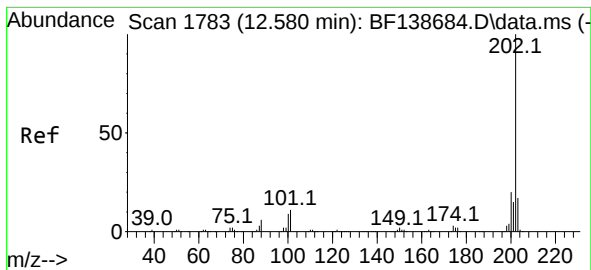
Ion Ratio Lower Upper

248 100

250 209.5 77.7 116.5#

141 524.8 68.0 102.0#





#75

Fluoranthene

Concen: 2.569 ng

RT: 12.574 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138730.D

Acq: 01 Aug 2024 18:03

Instrument :

BNA\_F

ClientSampleId :

CONC-2

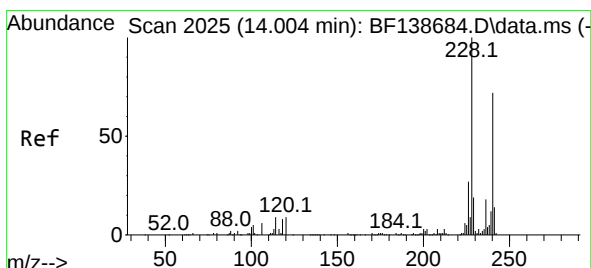
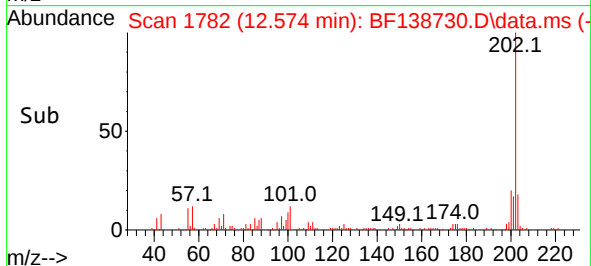
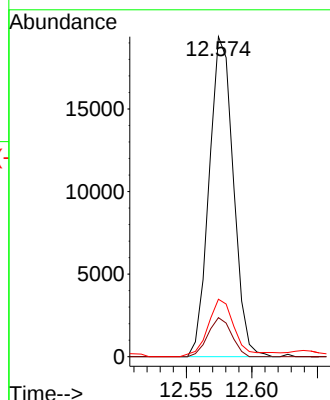
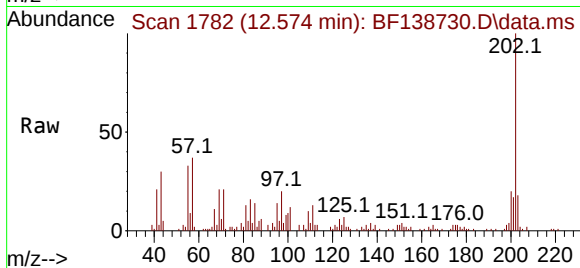
Tgt Ion:202 Resp: 24834

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.2

203 18.0 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF138730.D

Acq: 01 Aug 2024 18:03

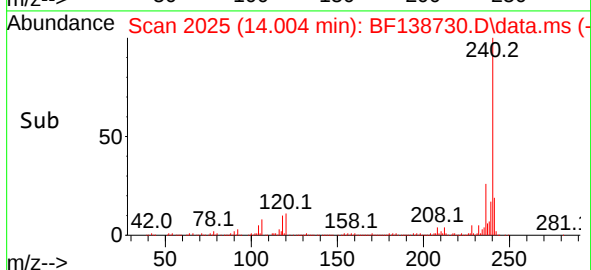
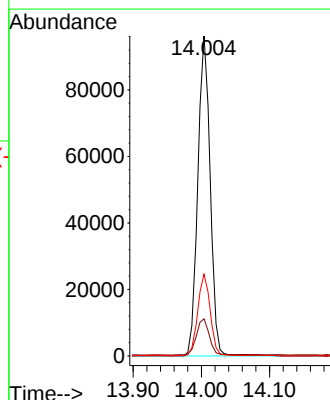
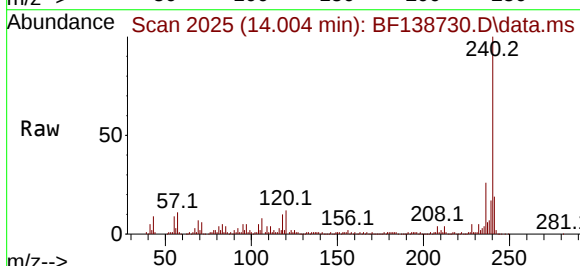
Tgt Ion:240 Resp: 121066

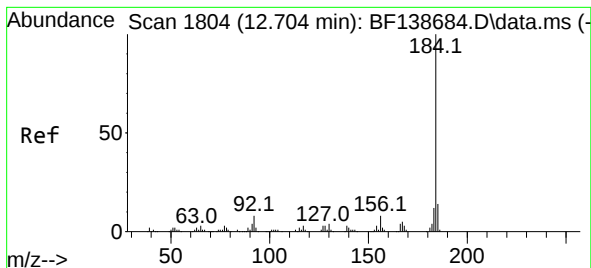
Ion Ratio Lower Upper

240 100

120 11.6 10.2 15.4

236 25.6 19.8 29.8





#77

Benzidine

Concen: 2.090 ng

RT: 12.945 min Scan# 1845

Delta R.T. 0.241 min

Lab File: BF138730.D

Acq: 01 Aug 2024 18:03

Instrument :

BNA\_F

ClientSampleId :

CONC-2

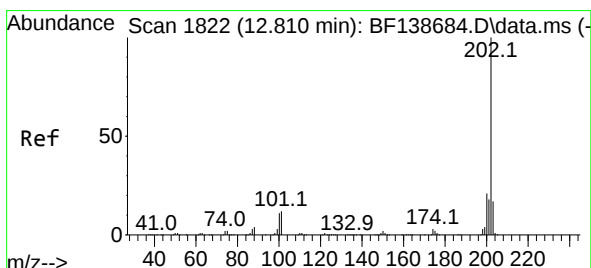
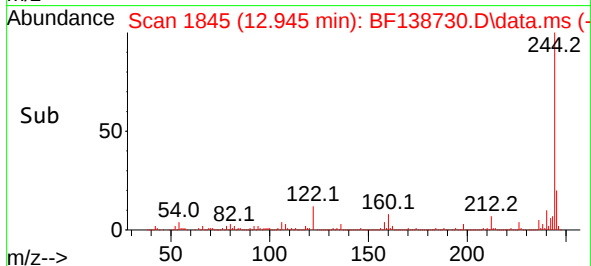
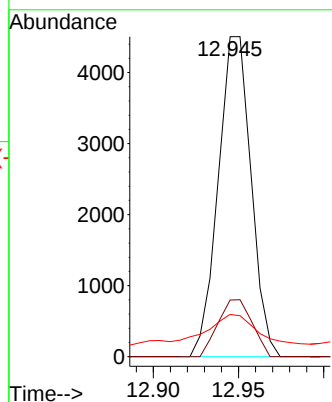
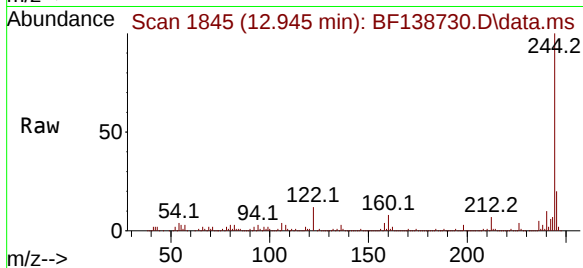
Tgt Ion:184 Resp: 6051

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

183 13.2 9.6 14.4



#78

Pyrene

Concen: 2.102 ng

RT: 12.804 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF138730.D

Acq: 01 Aug 2024 18:03

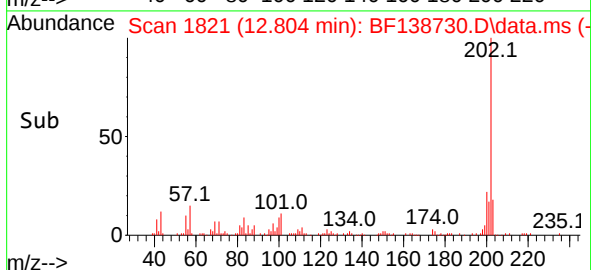
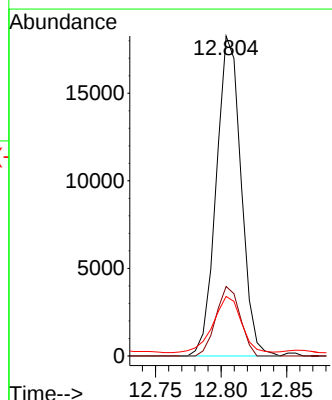
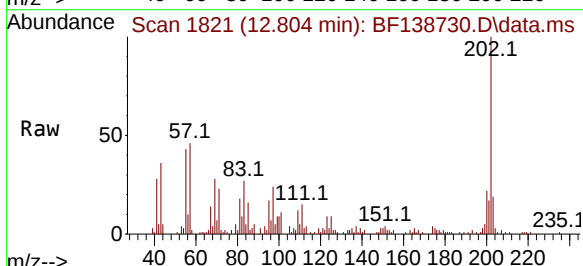
Tgt Ion:202 Resp: 23956

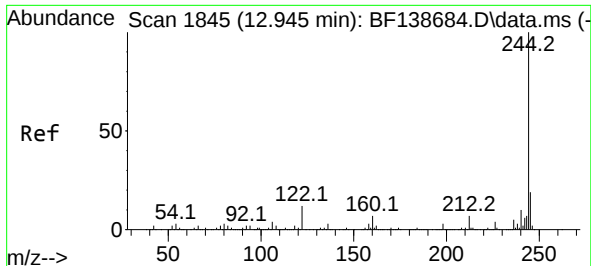
Ion Ratio Lower Upper

202 100

200 21.7 16.8 25.2

203 18.6 13.8 20.6

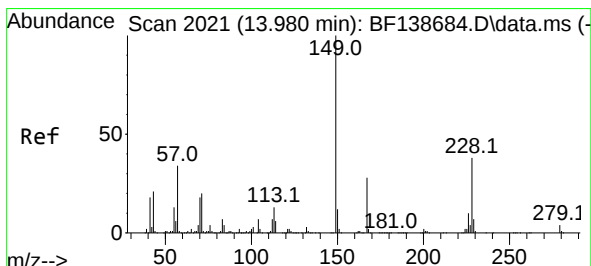
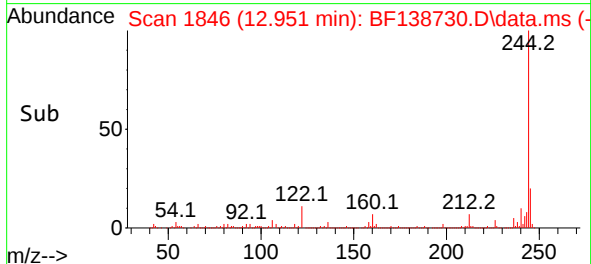
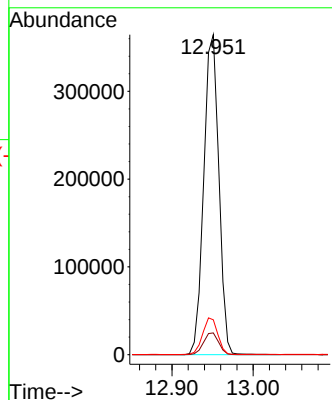
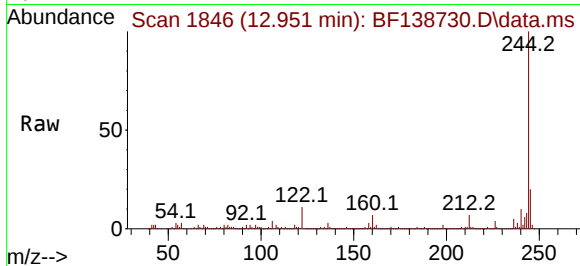




#79  
 Terphenyl-d14  
 Concen: 65.037 ng  
 RT: 12.951 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: BF138730.D  
 Acq: 01 Aug 2024 18:03

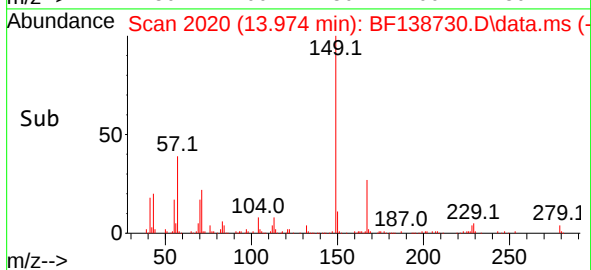
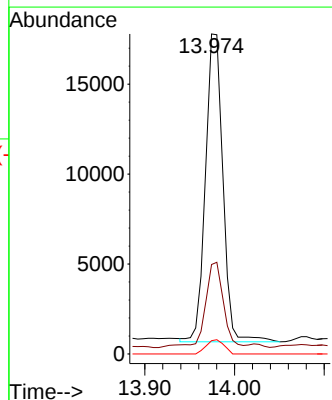
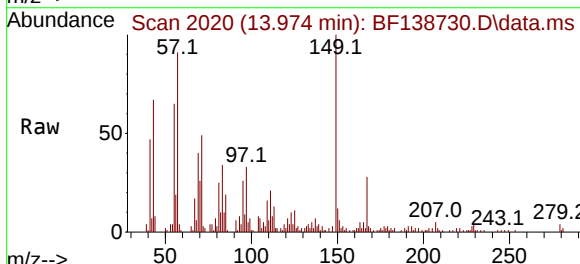
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONC-2

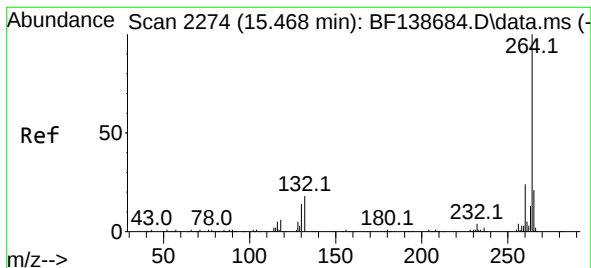
Tgt Ion:244 Resp: 470280  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.4 8.2  
 122 10.9 9.6 14.4



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 4.332 ng  
 RT: 13.974 min Scan# 2020  
 Delta R.T. -0.006 min  
 Lab File: BF138730.D  
 Acq: 01 Aug 2024 18:03

Tgt Ion:149 Resp: 23155  
 Ion Ratio Lower Upper  
 149 100  
 167 28.0 22.2 33.4  
 279 4.1 3.4 5.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138730.D

Acq: 01 Aug 2024 18:03

Instrument :

BNA\_F

ClientSampleId :

CONC-2

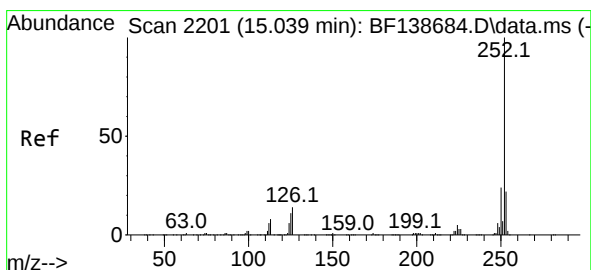
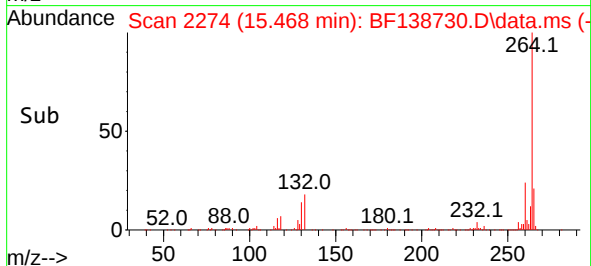
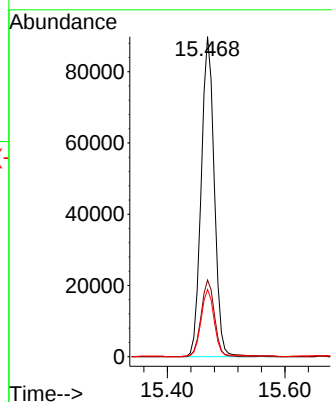
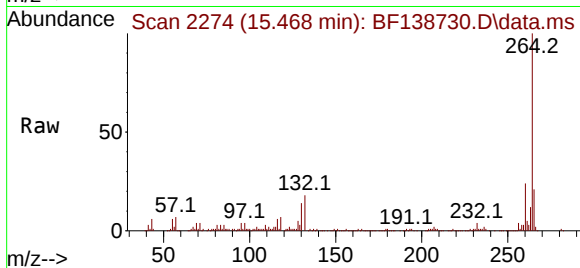
Tgt Ion:264 Resp: 138736

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 21.0 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 2.364 ng

RT: 15.045 min Scan# 2202

Delta R.T. 0.006 min

Lab File: BF138730.D

Acq: 01 Aug 2024 18:03

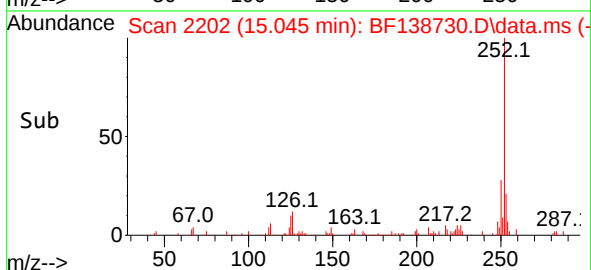
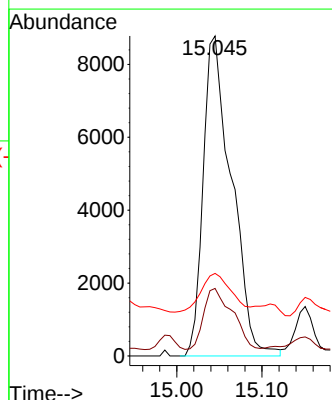
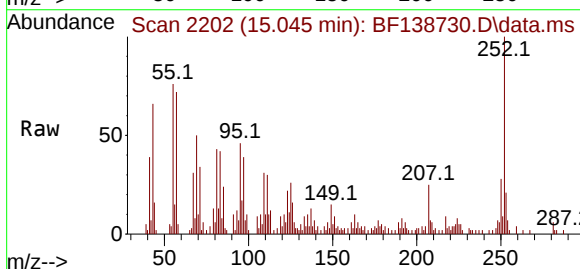
Tgt Ion:252 Resp: 20329

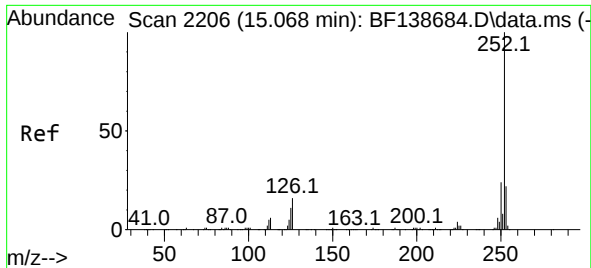
Ion Ratio Lower Upper

252 100

253 21.1 17.5 26.3

125 25.8 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 2.730 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF138730.D

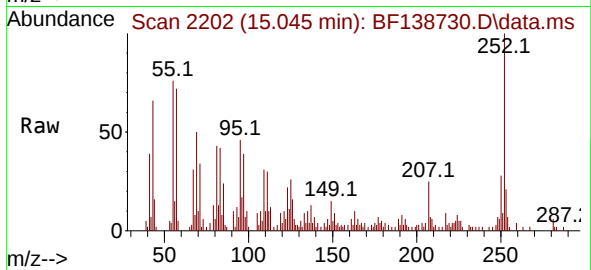
Acq: 01 Aug 2024 18:03

Instrument :

BNA\_F

ClientSampleId :

CONC-2



Tgt Ion:252 Resp: 20329

Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.0

125 25.8 8.6 13.0#

