

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF090822\  
 Data File : BF130177.D  
 Acq On : 08 Sep 2022 14:22  
 Operator : CG\JU  
 Sample : N4500-16RX  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04-COMP

Quant Time: Sep 09 01:03:22 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 07 02:05:07 2022  
 Response via : Initial Calibration

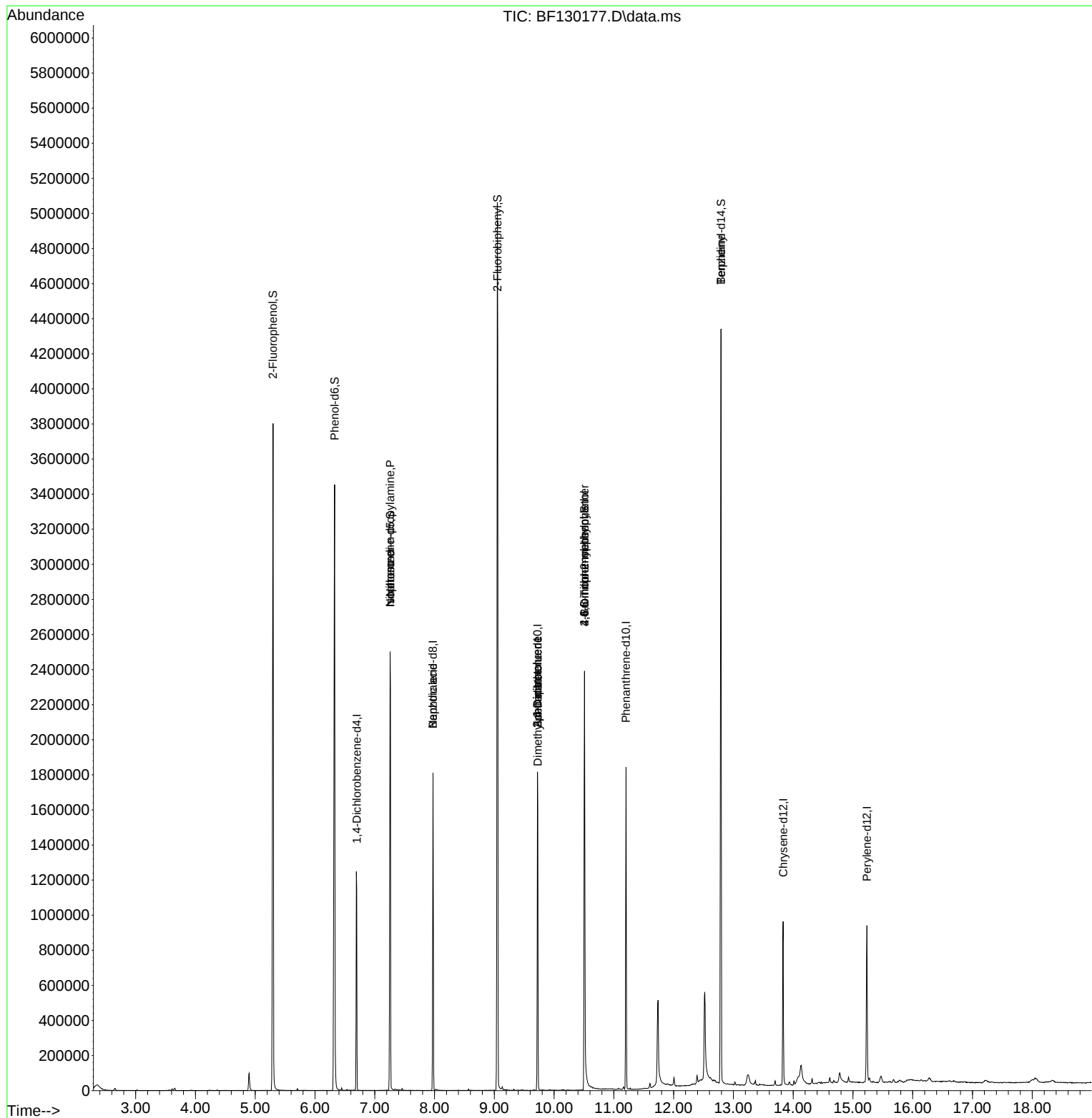
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.698  | 152  | 186304   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.975  | 136  | 721726   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.722  | 164  | 377437   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.204 | 188  | 585641   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.833 | 240  | 307231   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.233 | 264  | 361736   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.298  | 112  | 1175165  | 107.084 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.328  | 99   | 1452101  | 106.135 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.257  | 82   | 880002   | 78.360  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.510 | 330  | 313446   | 91.231  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.051  | 172  | 1646091  | 72.307  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.792 | 244  | 1394869  | 78.731  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.257  | 70   | 114671   | 13.912  | ng    | # 73     |
| 25) Isophorone                | 7.257  | 82   | 875579   | 38.521  | ng    | # 65     |
| 32) Benzoic acid              | 7.975  | 122  | 75       | 6.581   | ng    | # 1      |
| 50) Dimethylphthalate         | 9.727  | 163  | 69568    | 2.706   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.722  | 165  | 48332    | 9.643   | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.722  | 165  | 48332    | 8.375   | ng    | # 17     |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 670      | 6.292   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.510 | 248  | 18882    | 2.899   | ng    | # 1      |
| 77) Benzidine                 | 12.792 | 184  | 20188    | 2.434   | ng    | # 90     |
| -----                         |        |      |          |         |       |          |

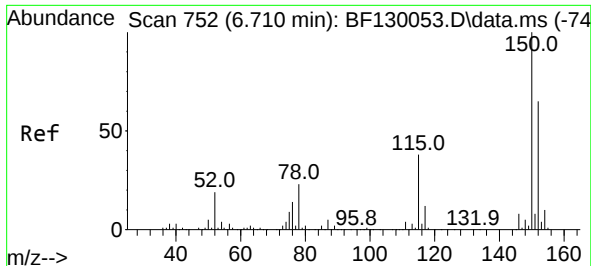
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N4500-16RX  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-COMP

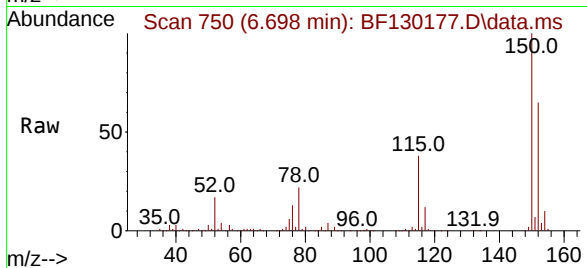
Quant Time: Sep 09 01:03:22 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 07 02:05:07 2022  
Response via : Initial Calibration



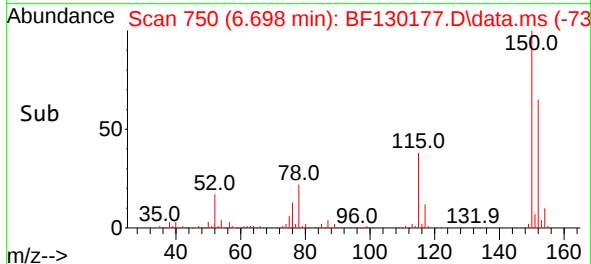
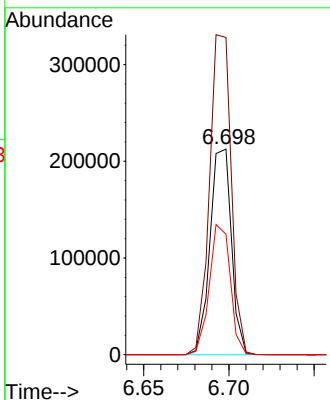


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.698 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-COMP

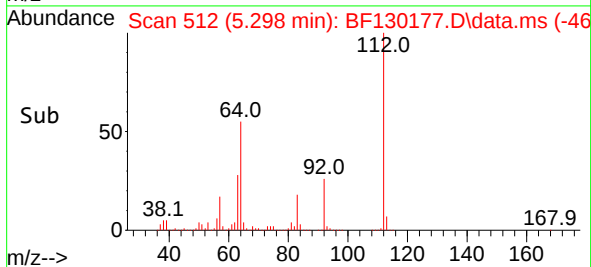
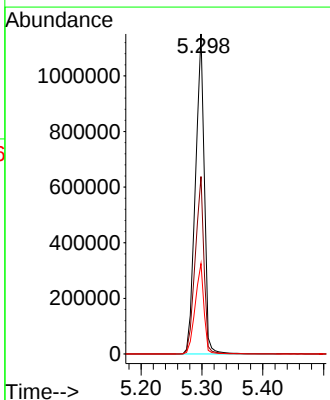
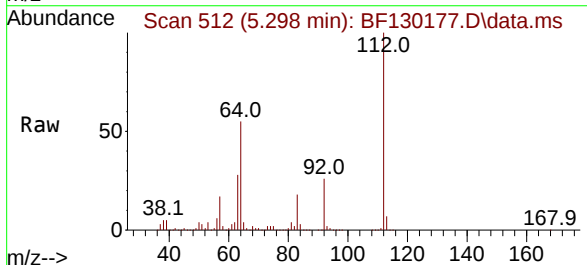


Tgt Ion:152 Resp: 186304  
Ion Ratio Lower Upper  
152 100  
150 154.3 126.9 190.3  
115 58.6 53.4 80.0



#5  
2-Fluorophenol  
Concen: 107.084 ng  
RT: 5.298 min Scan# 512  
Delta R.T. -0.000 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

Tgt Ion:112 Resp: 1175165  
Ion Ratio Lower Upper  
112 100  
64 55.5 47.6 71.4  
63 28.2 24.6 37.0

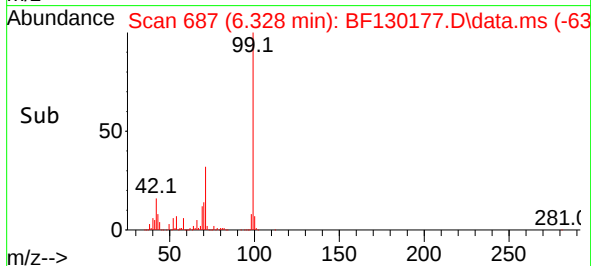
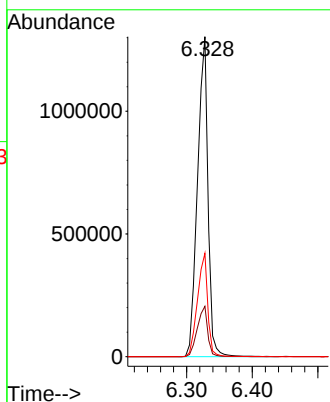
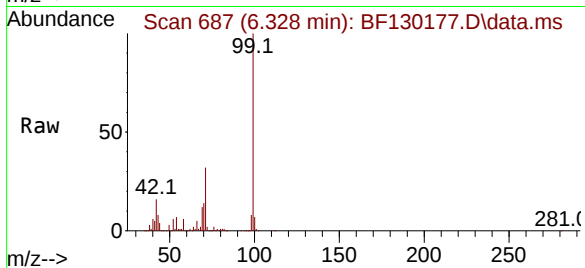




#7  
Phenol-d6  
Concen: 106.135 ng  
RT: 6.328 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

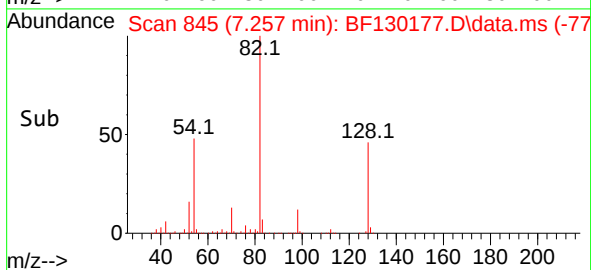
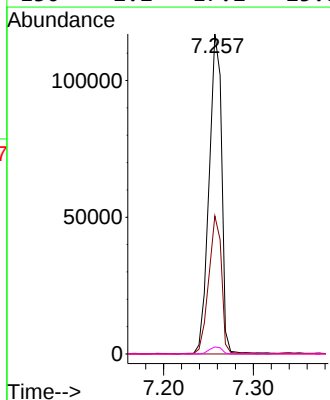
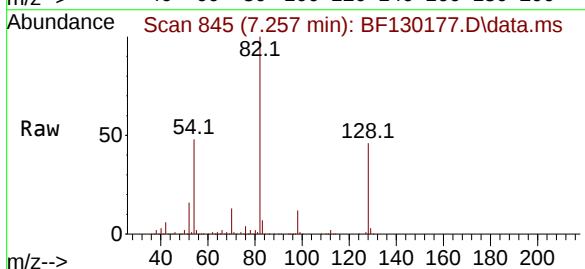
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-COMP

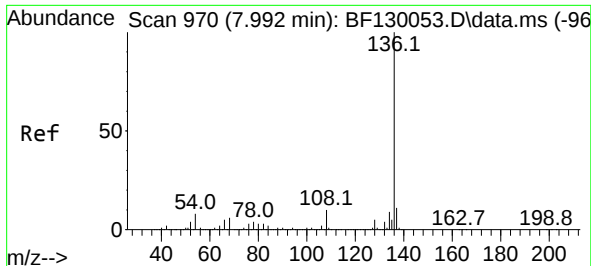
Tgt Ion: 99 Resp: 1452101  
Ion Ratio Lower Upper  
99 100  
42 15.7 15.0 22.4  
71 32.3 28.8 43.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.912 ng  
RT: 7.257 min Scan# 845  
Delta R.T. 0.129 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

Tgt Ion: 70 Resp: 114671  
Ion Ratio Lower Upper  
70 100  
42 43.1 47.6 71.4#  
101 0.0 8.1 12.1#  
130 2.2 17.2 25.8#

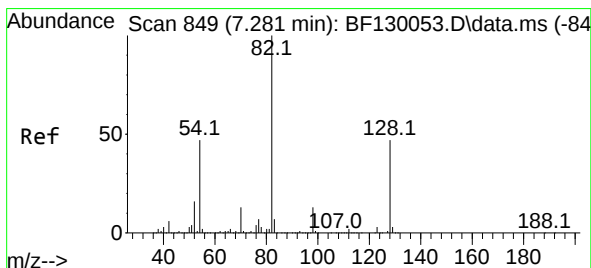
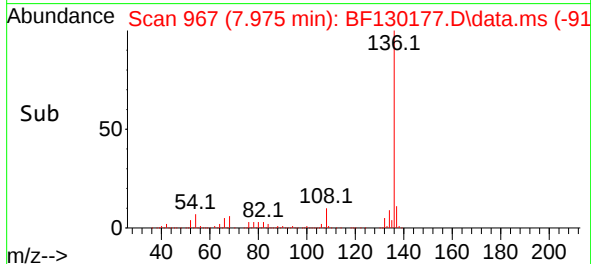
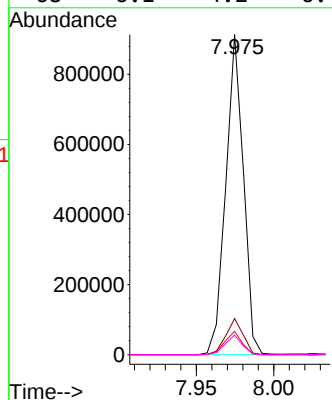
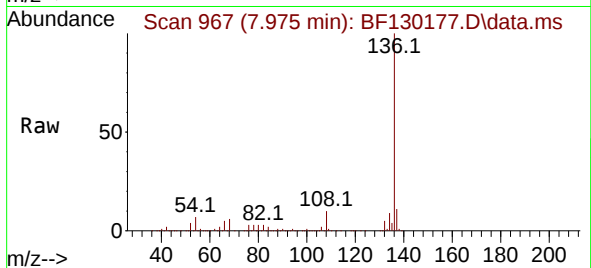




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.975 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

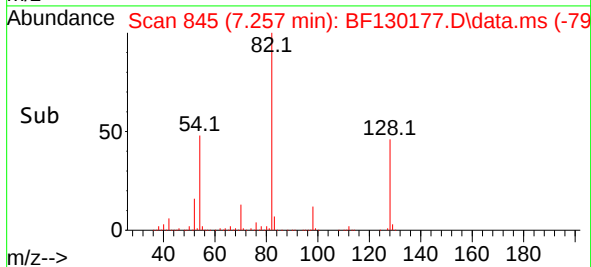
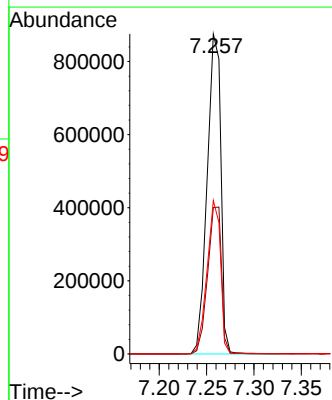
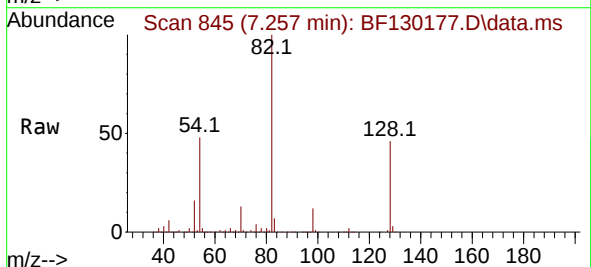
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-COMP

Tgt Ion:136 Resp: 721726  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.4 12.6  
54 7.3 6.2 9.2  
68 6.1 4.2 6.4



#23  
Nitrobenzene-d5  
Concen: 78.360 ng  
RT: 7.257 min Scan# 845  
Delta R.T. -0.012 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

Tgt Ion: 82 Resp: 880002  
Ion Ratio Lower Upper  
82 100  
128 45.8 36.1 54.1  
54 48.0 40.0 60.0

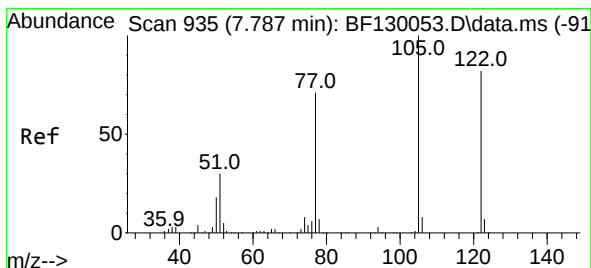
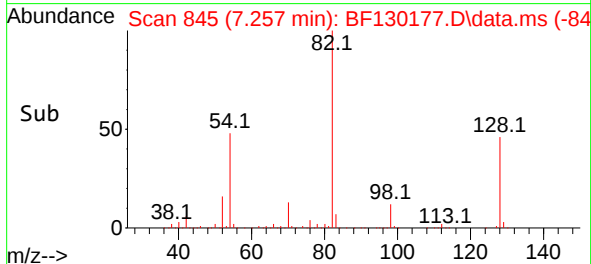
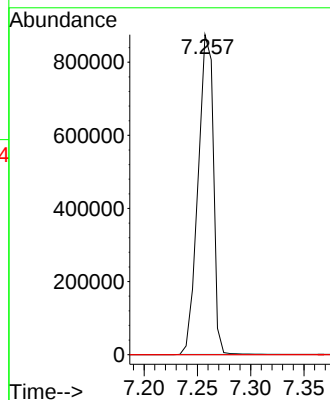
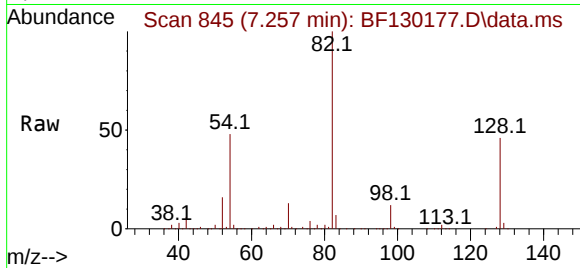




#25  
Isophorone  
Concen: 38.521 ng  
RT: 7.257 min Scan# 84  
Delta R.T. -0.271 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

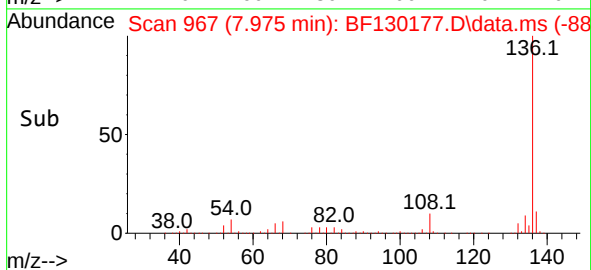
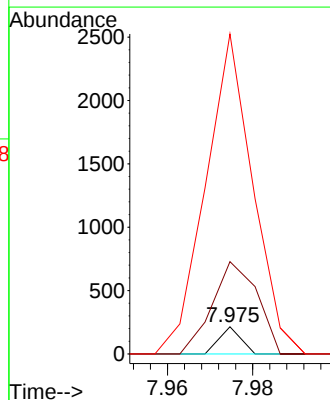
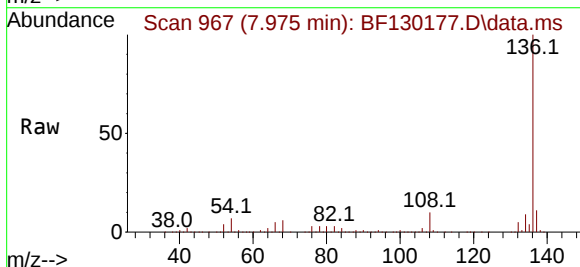
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-COMP

Tgt Ion: 82 Resp: 875579  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.6 21.8#



#32  
Benzoic acid  
Concen: 6.581 ng  
RT: 7.975 min Scan# 967  
Delta R.T. 0.206 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

Tgt Ion:122 Resp: 75  
Ion Ratio Lower Upper  
122 100  
105 340.2 99.9 139.9#  
77 1179.9 65.9 105.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.722 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF130177.D

Acq: 08 Sep 2022 14:22

Instrument :

BNA\_F

ClientSampleId :

SB-04-COMP

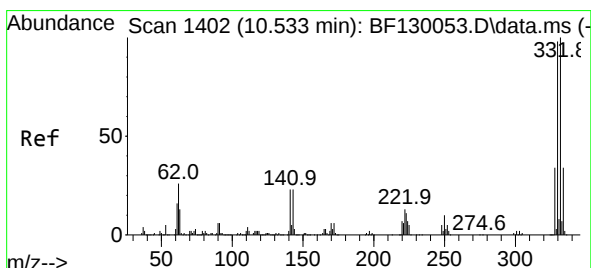
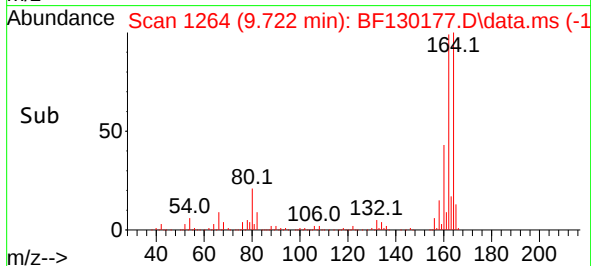
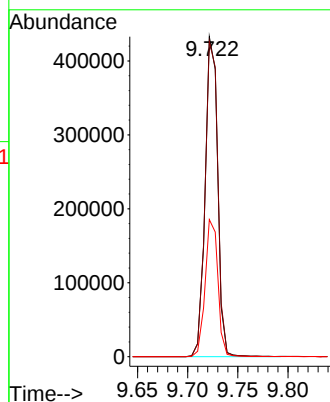
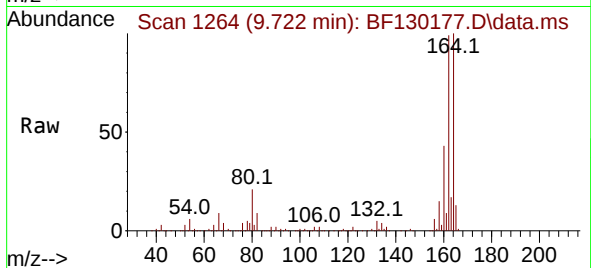
Tgt Ion:164 Resp: 377437

Ion Ratio Lower Upper

164 100

162 98.6 82.0 123.0

160 42.9 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 91.231 ng

RT: 10.510 min Scan# 1398

Delta R.T. -0.012 min

Lab File: BF130177.D

Acq: 08 Sep 2022 14:22

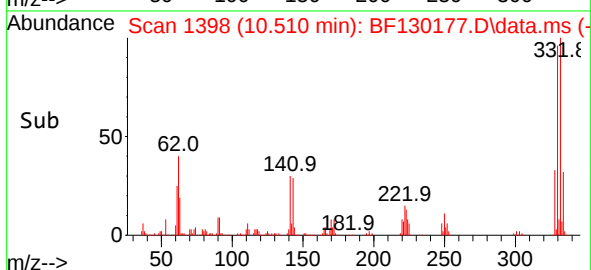
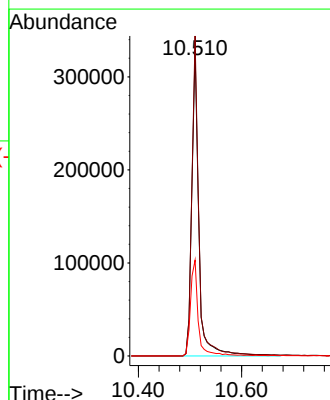
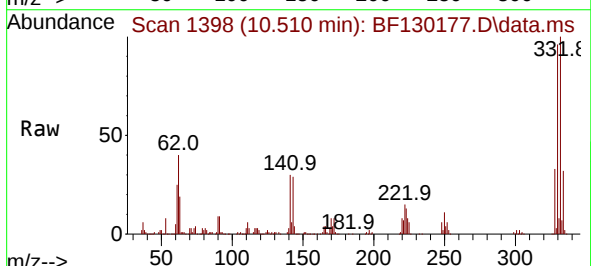
Tgt Ion:330 Resp: 313446

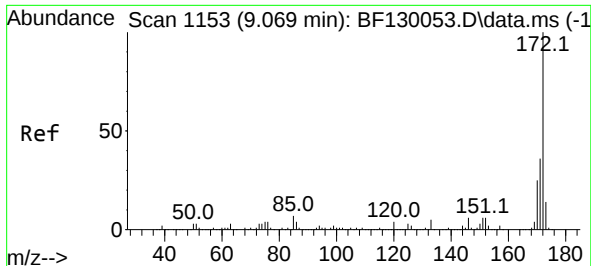
Ion Ratio Lower Upper

330 100

332 103.8 82.6 124.0

141 34.7 27.6 41.4

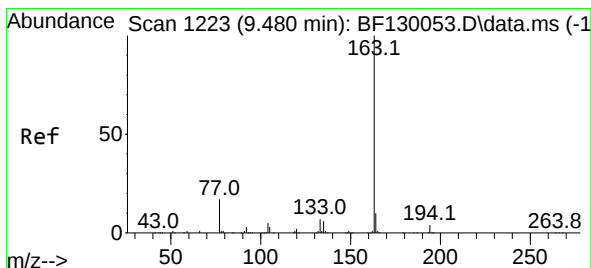
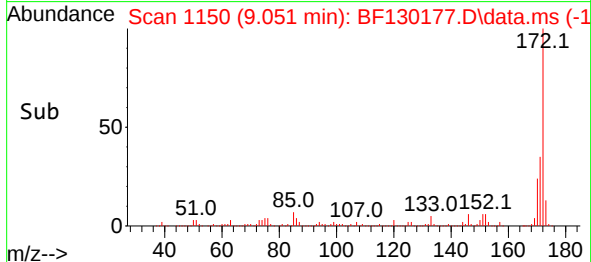
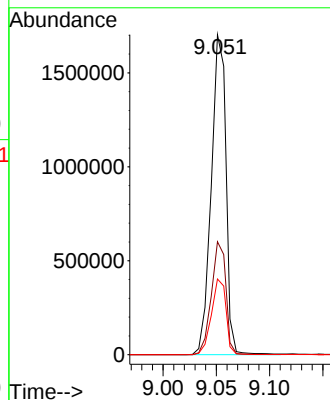
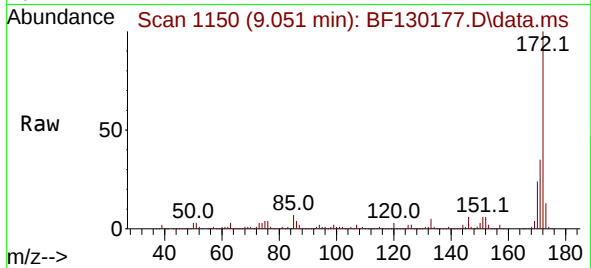




#45  
2-Fluorobiphenyl  
Concen: 72.307 ng  
RT: 9.051 min Scan# 1153  
Delta R.T. -0.006 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

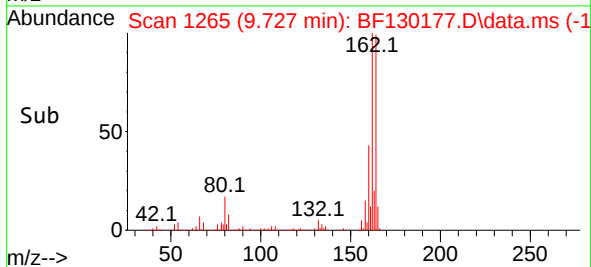
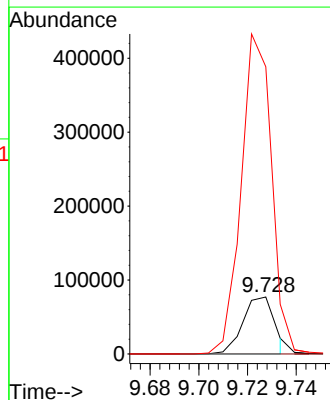
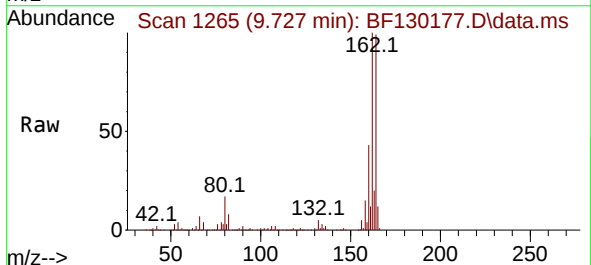
Instrument :  
BNA\_F  
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SB-04-COMP

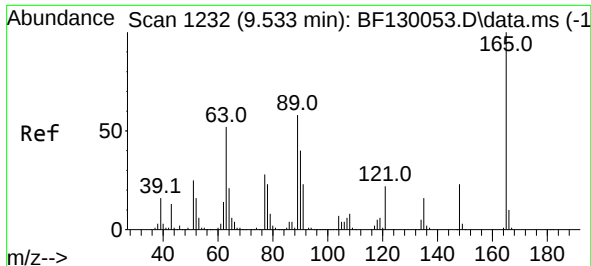
Tgt Ion:172 Resp: 1646091  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.4 42.6  
170 23.6 19.1 28.7



#50  
Dimethylphthalate  
Concen: 2.706 ng  
RT: 9.727 min Scan# 1265  
Delta R.T. 0.259 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

Tgt Ion:163 Resp: 69568  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 504.8 8.2 12.2#





#51

2,6-Dinitrotoluene

Concen: 9.643 ng

RT: 9.722 min Scan# 1264

Delta R.T. 0.194 min

Lab File: BF130177.D

Acq: 08 Sep 2022 14:22

Instrument :

BNA\_F

ClientSampleId :

SB-04-COMP

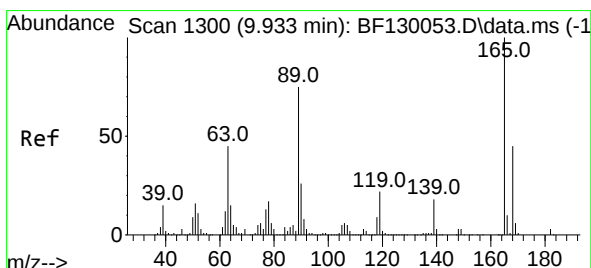
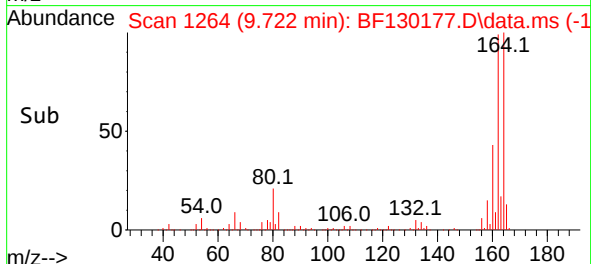
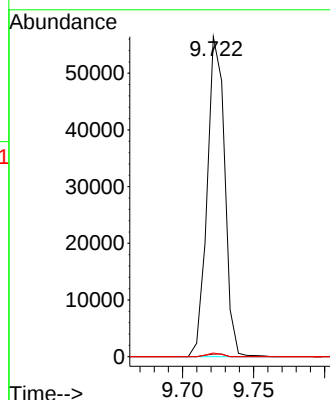
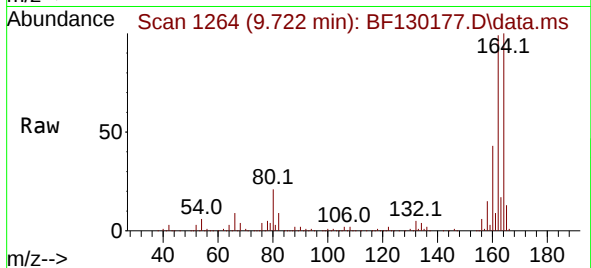
Tgt Ion:165 Resp: 48332

Ion Ratio Lower Upper

165 100

63 0.8 47.8 71.8#

89 1.2 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 8.375 ng

RT: 9.722 min Scan# 1264

Delta R.T. -0.200 min

Lab File: BF130177.D

Acq: 08 Sep 2022 14:22

Tgt Ion:165 Resp: 48332

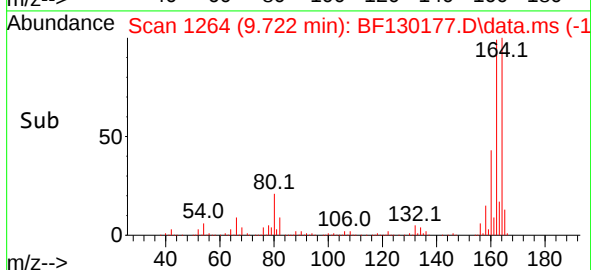
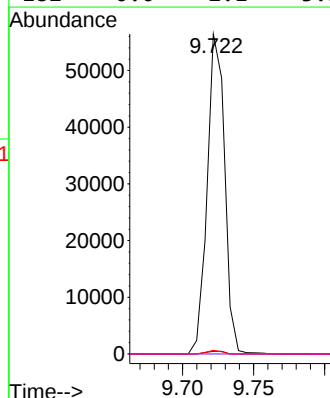
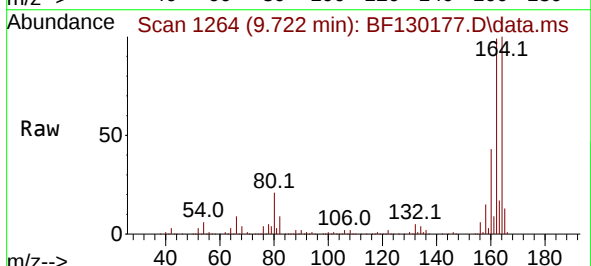
Ion Ratio Lower Upper

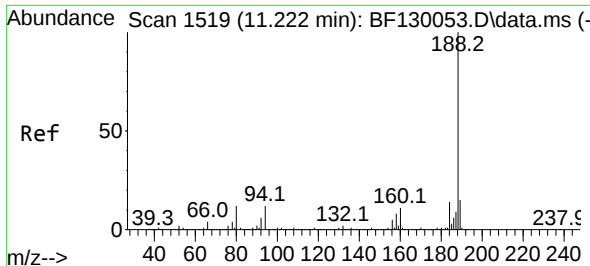
165 100

63 0.8 48.4 72.6#

89 1.2 62.3 93.5#

182 0.0 2.1 3.1#

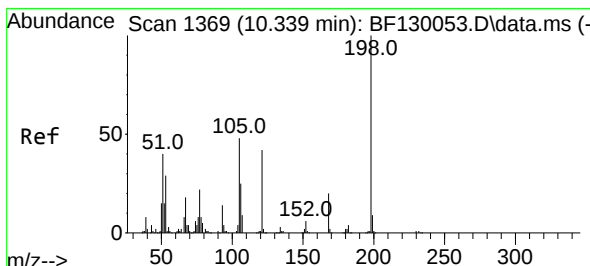
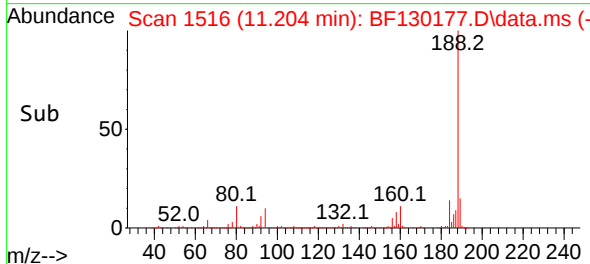
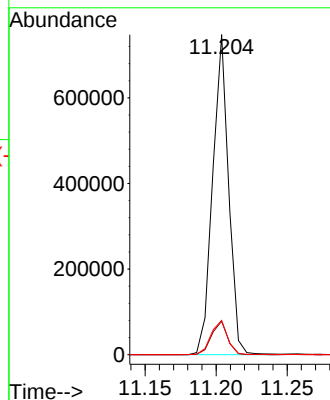
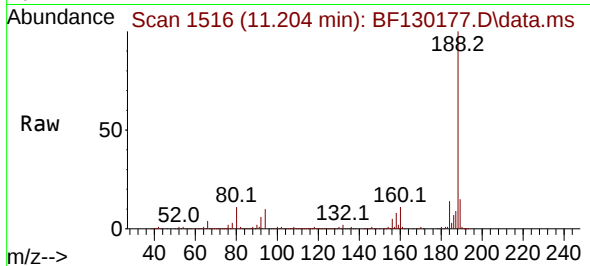




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.204 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

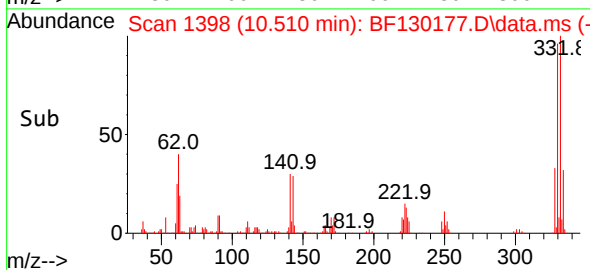
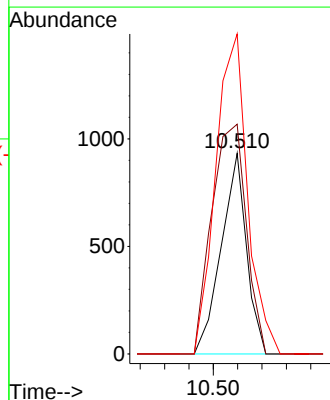
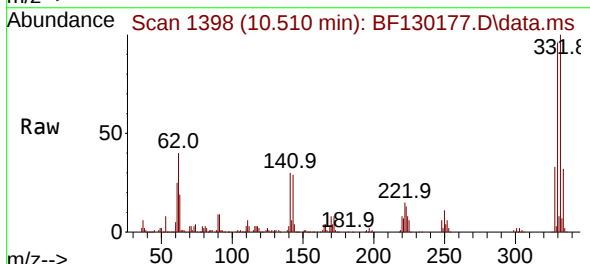
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-COMP

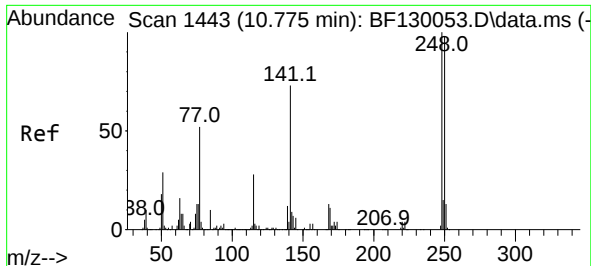
Tgt Ion:188 Resp: 585641  
Ion Ratio Lower Upper  
188 100  
94 10.5 7.4 11.2  
80 10.7 7.9 11.9



#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.292 ng  
RT: 10.510 min Scan# 1398  
Delta R.T. 0.182 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

Tgt Ion:198 Resp: 670  
Ion Ratio Lower Upper  
198 100  
51 114.5 29.4 69.4#  
105 159.5 29.2 69.2#

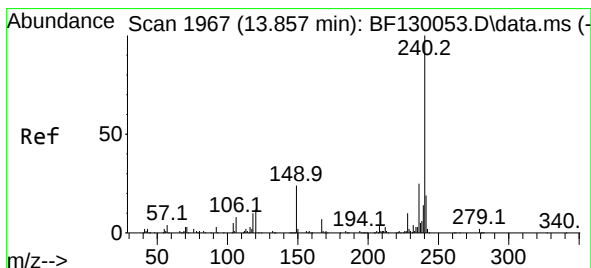
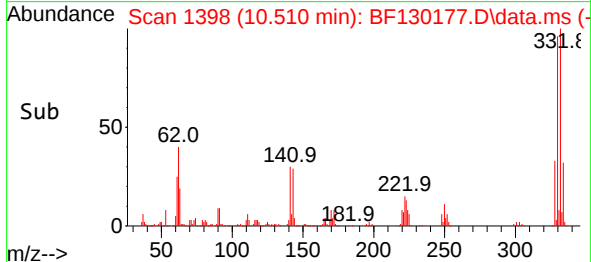
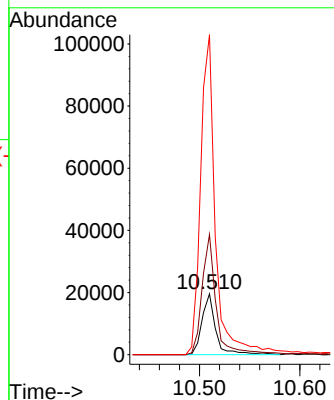
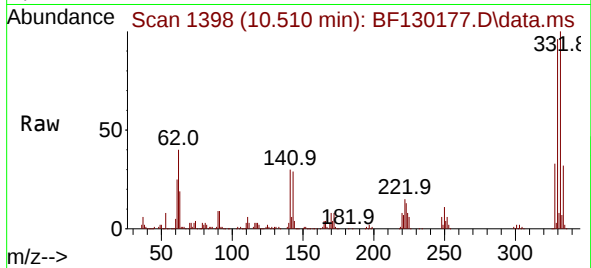




#67  
4-Bromophenyl-phenylether  
Concen: 2.899 ng  
RT: 10.510 min Scan# 11  
Delta R.T. -0.253 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

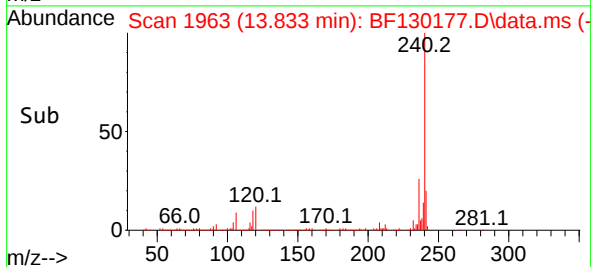
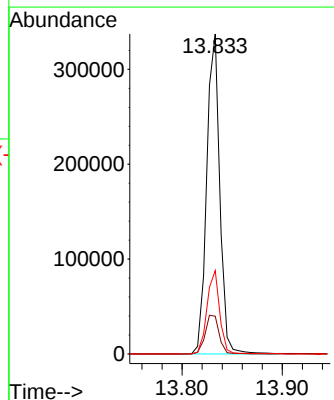
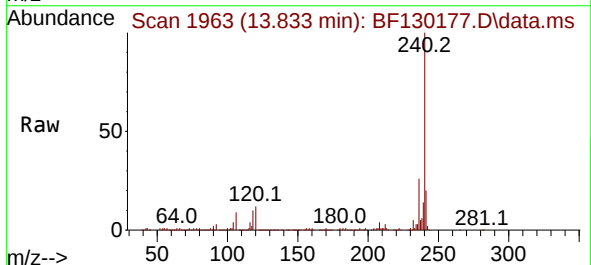
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-COMP

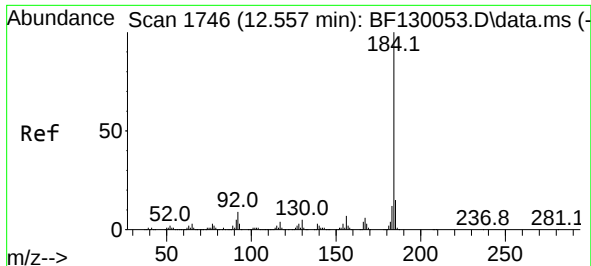
Tgt Ion:248 Resp: 18882  
Ion Ratio Lower Upper  
248 100  
250 197.5 77.8 116.6#  
141 525.9 66.2 99.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.833 min Scan# 1963  
Delta R.T. -0.012 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

Tgt Ion:240 Resp: 307231  
Ion Ratio Lower Upper  
240 100  
120 11.8 9.2 13.8  
236 26.1 20.7 31.1

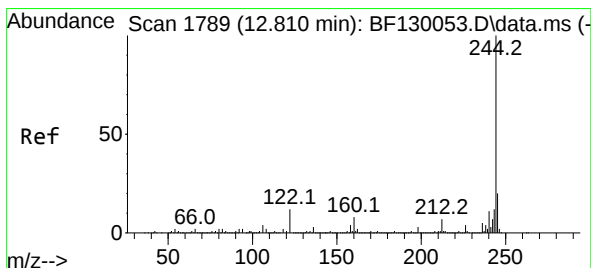
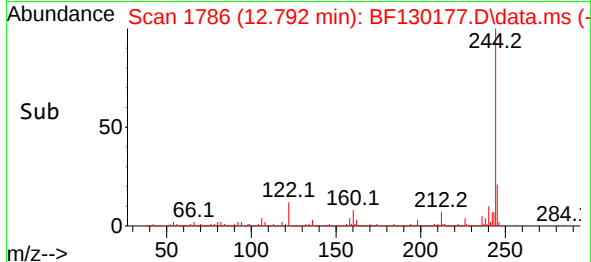
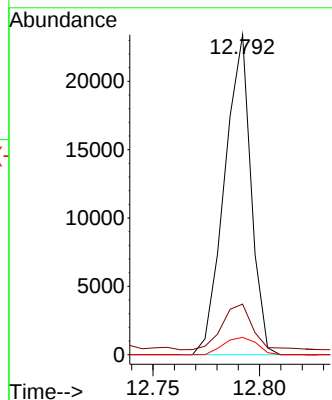
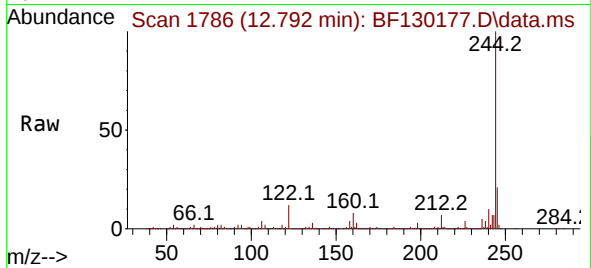




#77  
Benzidine  
Concen: 2.434 ng  
RT: 12.792 min Scan# 1786  
Delta R.T. 0.247 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

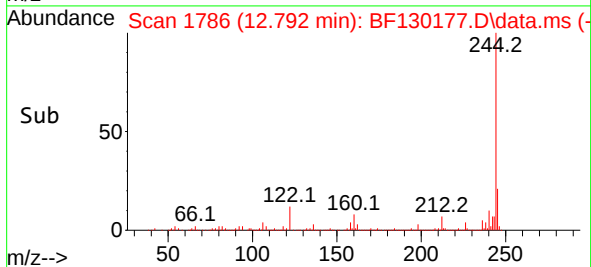
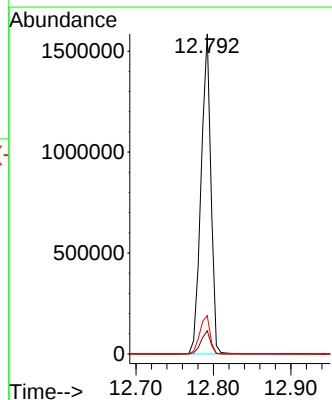
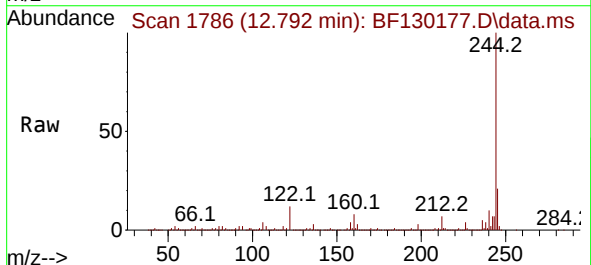
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-COMP

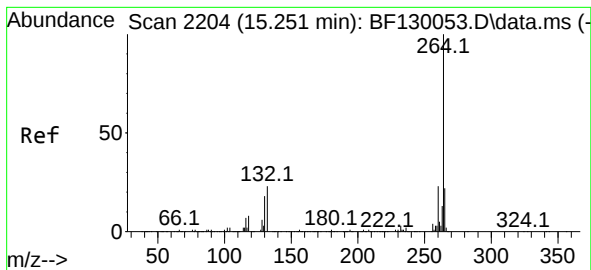
Tgt Ion:184 Resp: 20188  
Ion Ratio Lower Upper  
184 100  
185 15.8 11.4 17.2  
183 5.4 9.4 14.2#



#79  
Terphenyl-d14  
Concen: 78.731 ng  
RT: 12.792 min Scan# 1786  
Delta R.T. -0.006 min  
Lab File: BF130177.D  
Acq: 08 Sep 2022 14:22

Tgt Ion:244 Resp: 1394869  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.9 8.9  
122 12.0 9.9 14.9





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.233 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF130177.D  
 Acq: 08 Sep 2022 14:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04-COMP

Tgt Ion:264 Resp: 361736  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.1 28.7  
 265 21.7 16.7 25.1

