

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072423\  
 Data File : BF134452.D  
 Acq On : 25 Jul 2023 03:40  
 Operator : CG\JU  
 Sample : 03653-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP20

Quant Time: Jul 25 04:59:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 01:46:04 2023  
 Response via : Initial Calibration

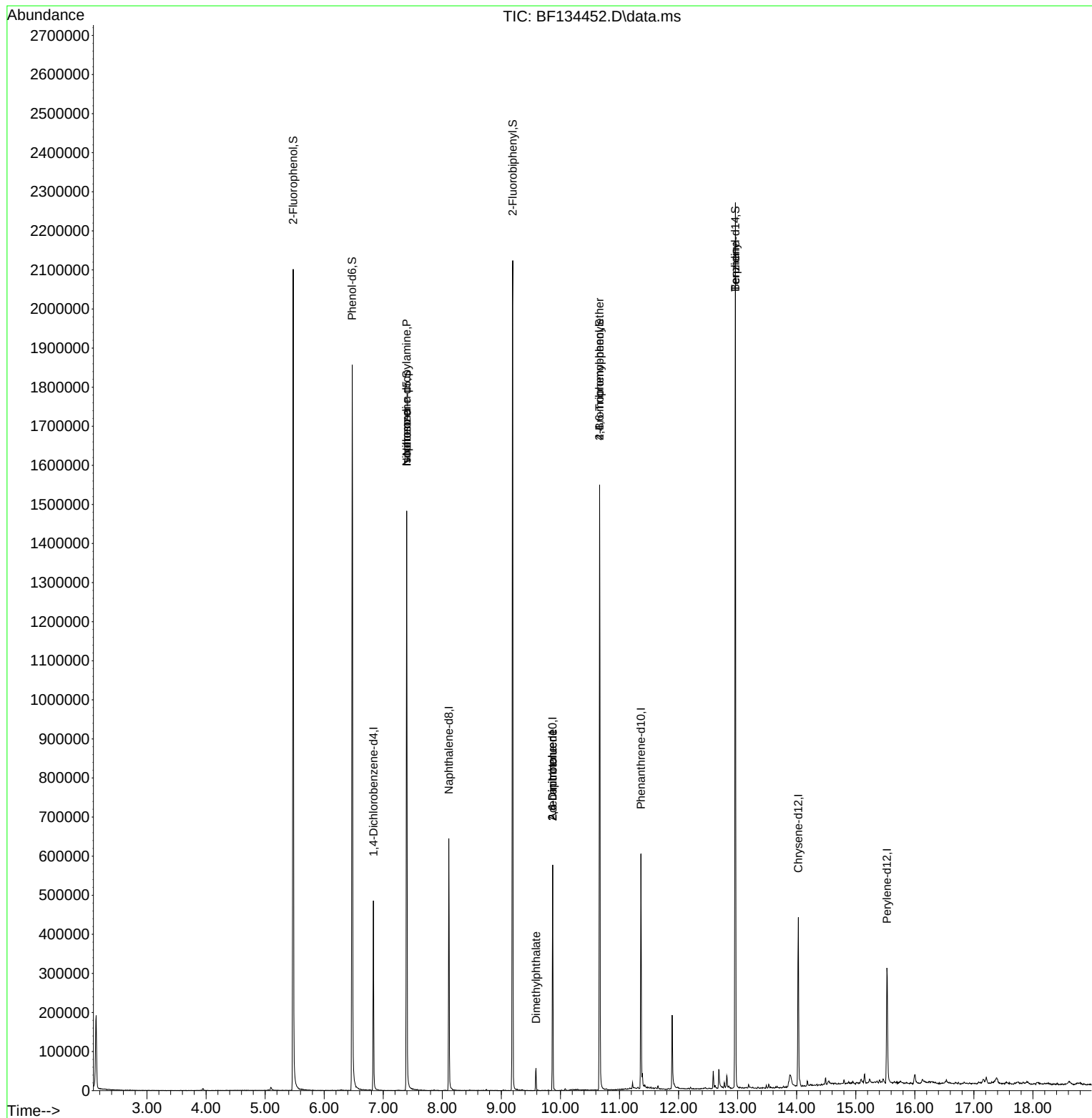
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.834  | 152  | 65789    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.110  | 136  | 259206   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.869  | 164  | 104429   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 206381   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 141608   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 145605   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 522787   | 131.290 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.475  | 99   | 605016   | 124.013 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 419126   | 81.809  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 185823   | 125.239 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 646393   | 81.259  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.963 | 244  | 738425   | 91.029  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 58051    | 19.114  | ng    | # 77     |
| 25) Isophorone                | 7.398  | 82   | 419126   | 49.087  | ng    | # 65     |
| 50) Dimethylphthalate         | 9.586  | 163  | 21611    | 2.792   | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.869  | 165  | 13284    | 7.820   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.869  | 165  | 13284    | 5.822   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.663 | 248  | 11450    | 5.064   | ng    | # 1      |
| 77) Benzidine                 | 12.963 | 184  | 10652    | 3.523   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

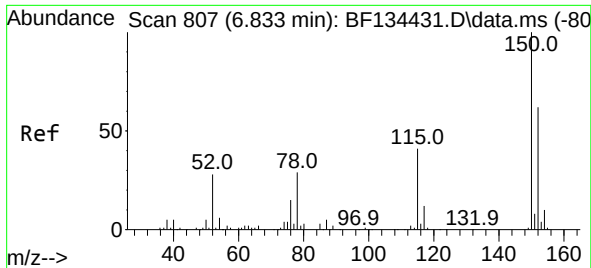
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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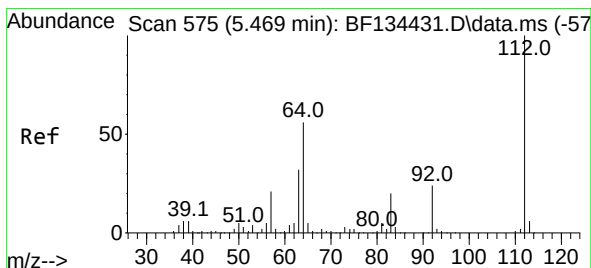
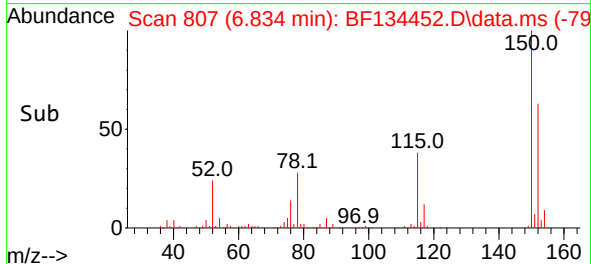
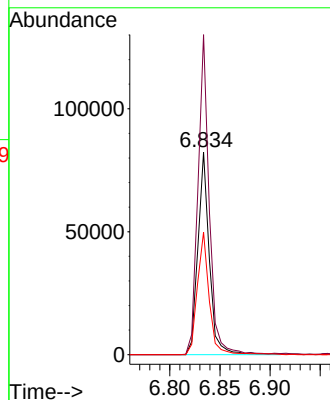
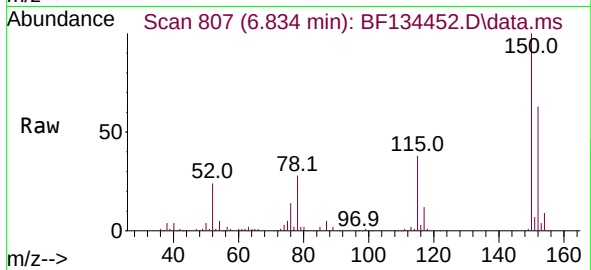




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.834 min Scan# 807  
 Delta R.T. 0.001 min  
 Lab File: BF134452.D  
 Acq: 25 Jul 2023 03:40

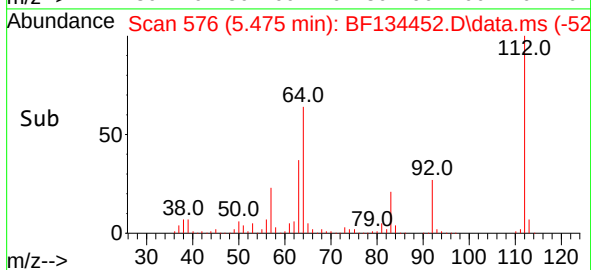
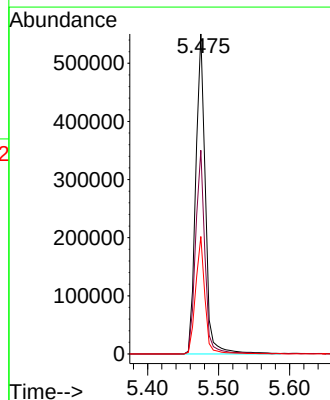
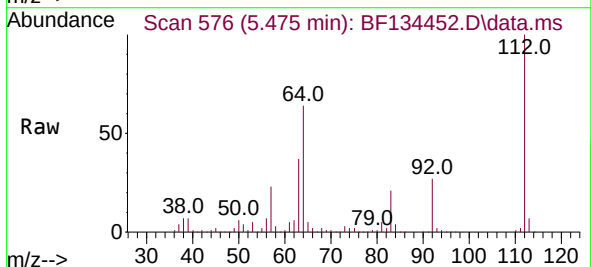
Instrument :  
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 ClientSampleId :  
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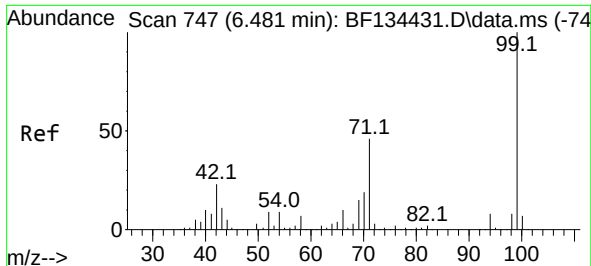
Tgt Ion:152 Resp: 65789  
 Ion Ratio Lower Upper  
 152 100  
 150 158.0 128.3 192.5  
 115 60.5 52.4 78.6



#5  
 2-Fluorophenol  
 Concen: 131.290 ng  
 RT: 5.475 min Scan# 576  
 Delta R.T. 0.006 min  
 Lab File: BF134452.D  
 Acq: 25 Jul 2023 03:40

Tgt Ion:112 Resp: 522787  
 Ion Ratio Lower Upper  
 112 100  
 64 63.7 44.9 67.3  
 63 36.7 25.4 38.0

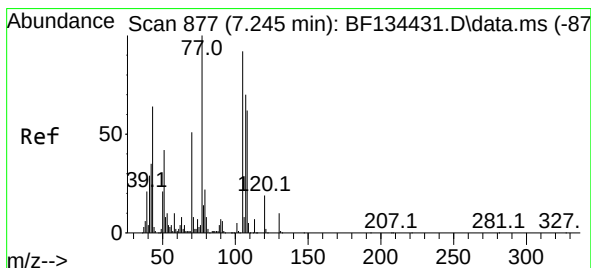
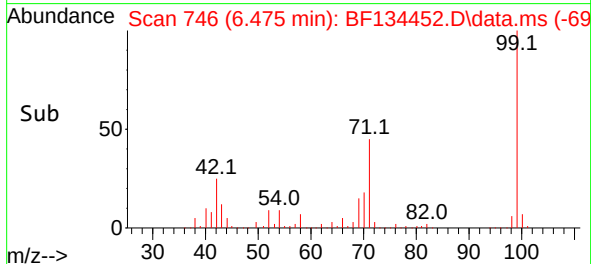
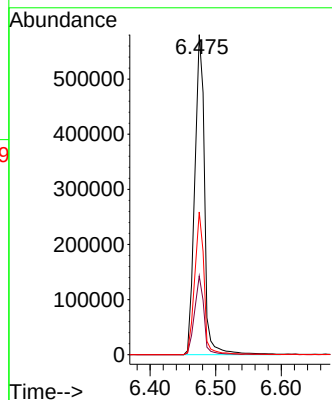
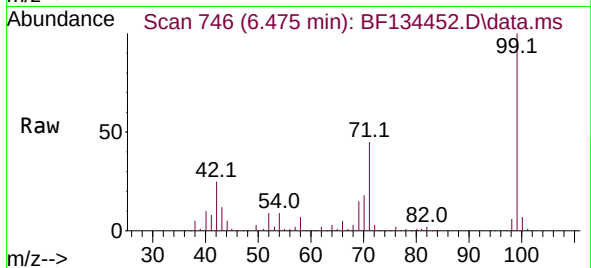




#7  
Phenol-d6  
Concen: 124.013 ng  
RT: 6.475 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF134452.D  
Acq: 25 Jul 2023 03:40

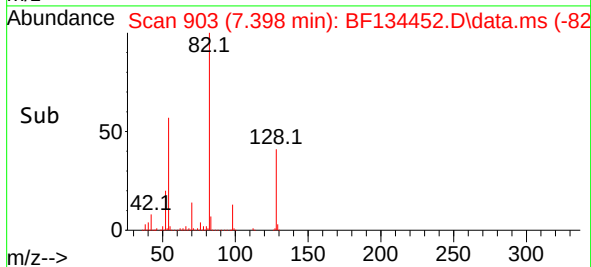
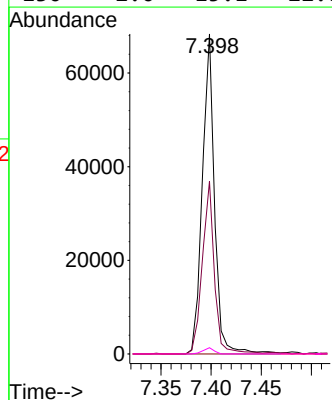
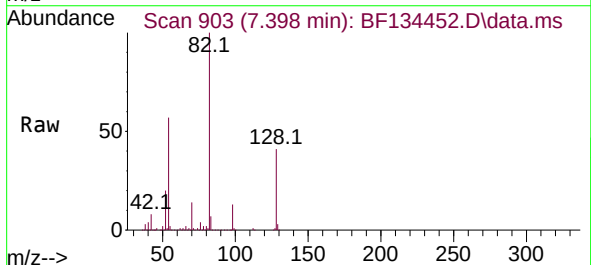
Instrument :  
BNA\_F  
ClientSampleId :  
TP20

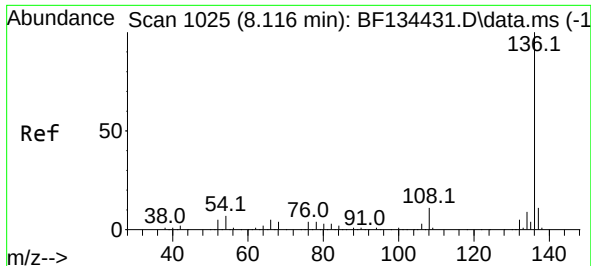
Tgt Ion: 99 Resp: 605016  
Ion Ratio Lower Upper  
99 100  
42 24.6 18.7 28.1  
71 44.6 36.4 54.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.114 ng  
RT: 7.398 min Scan# 903  
Delta R.T. 0.153 min  
Lab File: BF134452.D  
Acq: 25 Jul 2023 03:40

Tgt Ion: 70 Resp: 58051  
Ion Ratio Lower Upper  
70 100  
42 54.0 54.7 82.1#  
101 0.0 8.2 12.2#  
130 2.0 15.1 22.7#

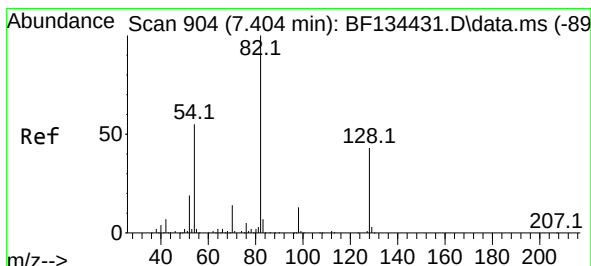
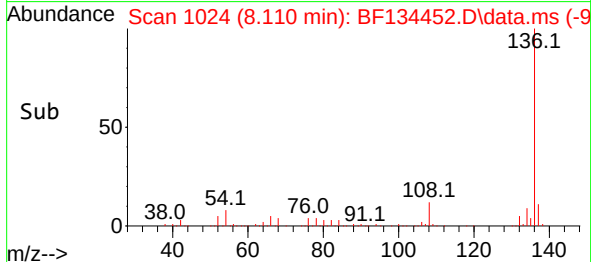
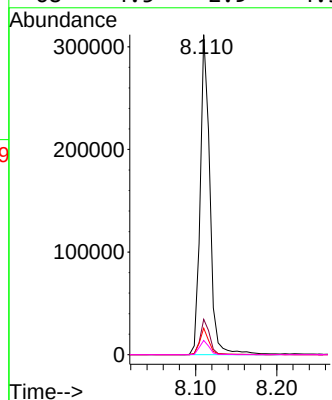
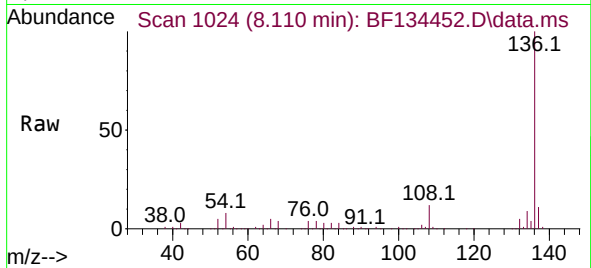




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.110 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF134452.D  
Acq: 25 Jul 2023 03:40

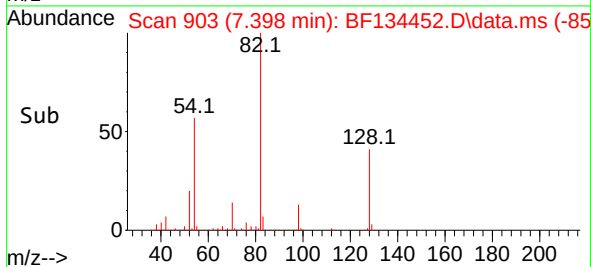
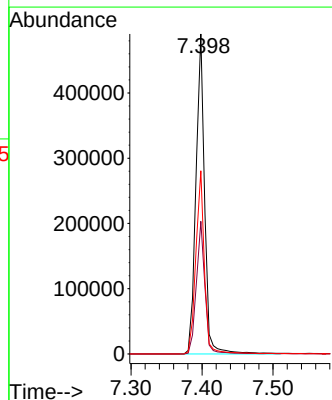
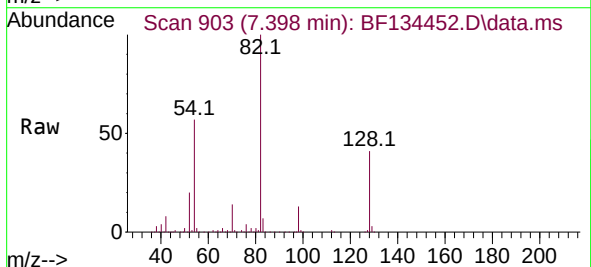
Instrument :  
BNA\_F  
ClientSampleId :  
TP20

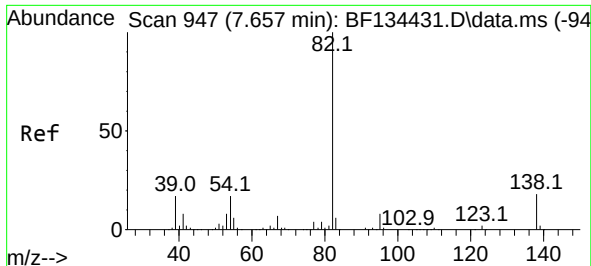
Tgt Ion:136 Resp: 259206  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.4 12.6  
54 8.3 5.2 7.8#  
68 4.5 2.9 4.3#



#23  
Nitrobenzene-d5  
Concen: 81.809 ng  
RT: 7.398 min Scan# 903  
Delta R.T. -0.006 min  
Lab File: BF134452.D  
Acq: 25 Jul 2023 03:40

Tgt Ion: 82 Resp: 419126  
Ion Ratio Lower Upper  
82 100  
128 41.4 34.3 51.5  
54 57.3 43.8 65.6

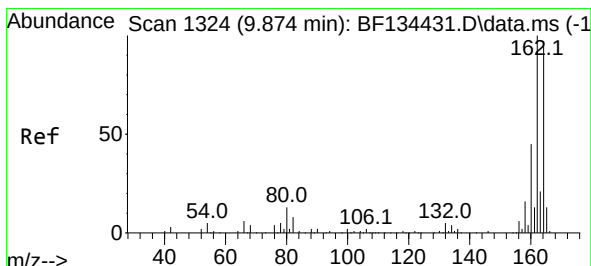
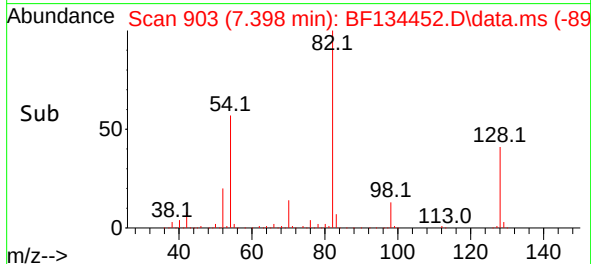
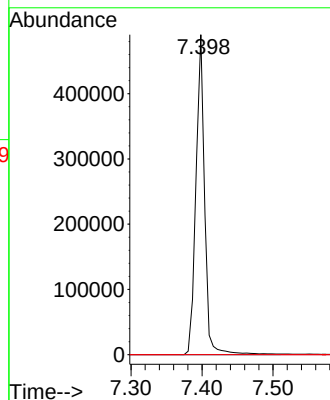
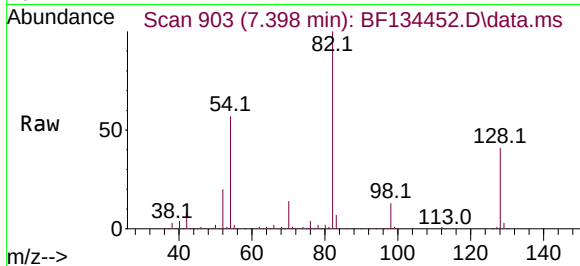




#25  
Isophorone  
Concen: 49.087 ng  
RT: 7.398 min Scan# 90  
Delta R.T. -0.259 min  
Lab File: BF134452.D  
Acq: 25 Jul 2023 03:40

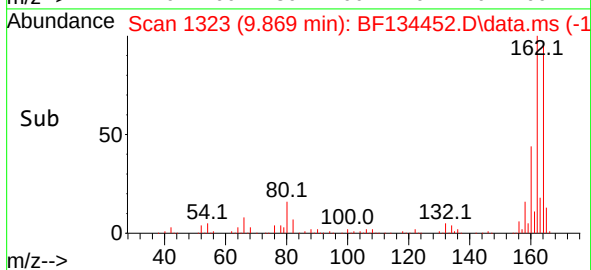
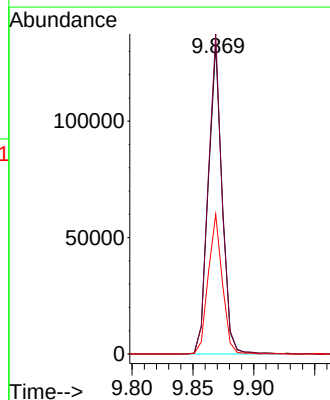
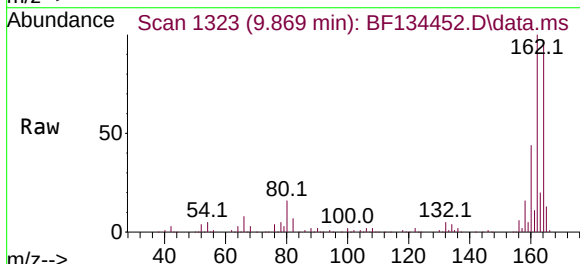
Instrument :  
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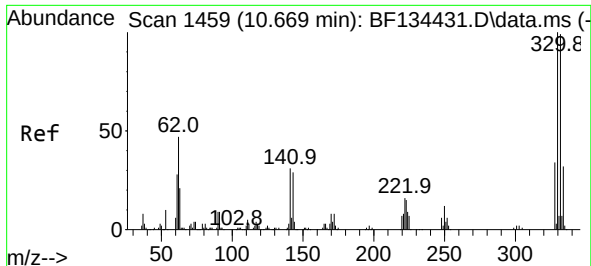
Tgt Ion: 82 Resp: 419126  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.6 22.0#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.006 min  
Lab File: BF134452.D  
Acq: 25 Jul 2023 03:40

Tgt Ion:164 Resp: 104429  
Ion Ratio Lower Upper  
164 100  
162 103.5 82.6 123.8  
160 45.1 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 125.239 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF134452.D

Acq: 25 Jul 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

TP20

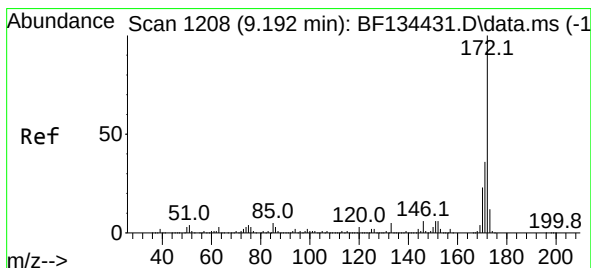
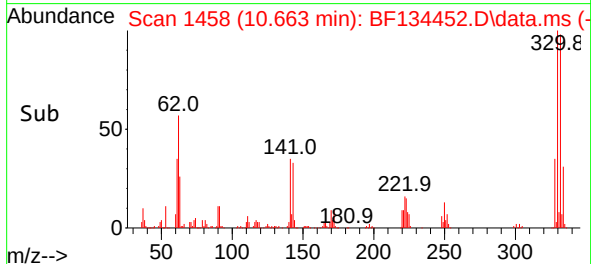
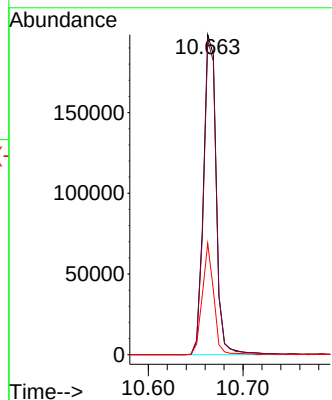
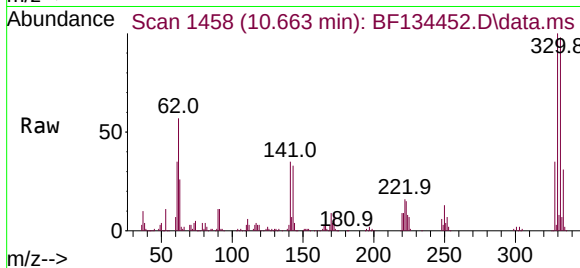
Tgt Ion:330 Resp: 185823

Ion Ratio Lower Upper

330 100

332 98.3 78.8 118.2

141 31.2 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 81.259 ng

RT: 9.192 min Scan# 1208

Delta R.T. 0.000 min

Lab File: BF134452.D

Acq: 25 Jul 2023 03:40

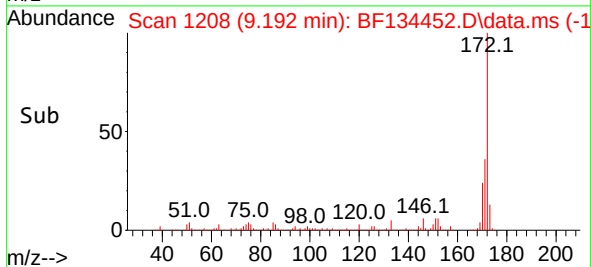
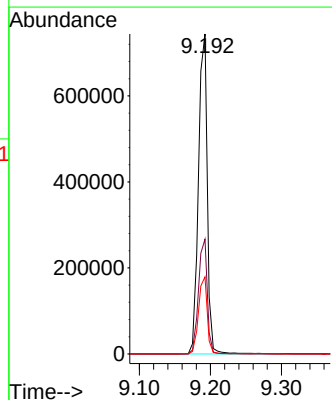
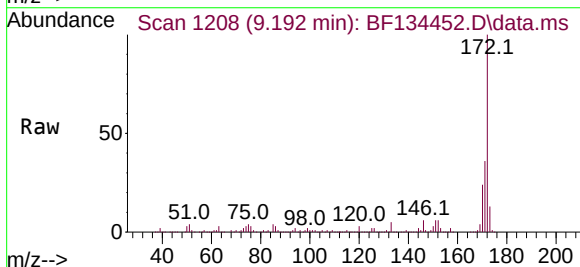
Tgt Ion:172 Resp: 646393

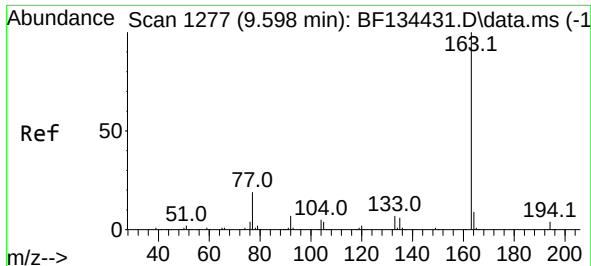
Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 24.1 18.7 28.1

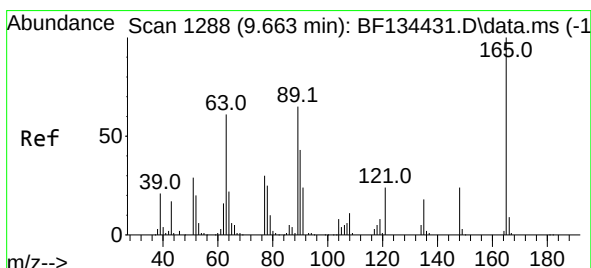
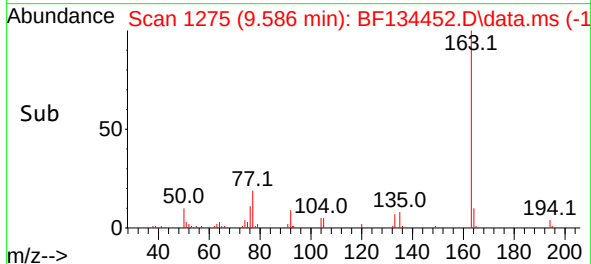
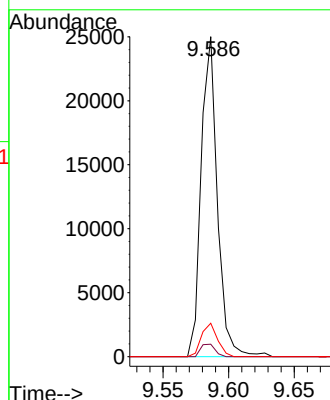
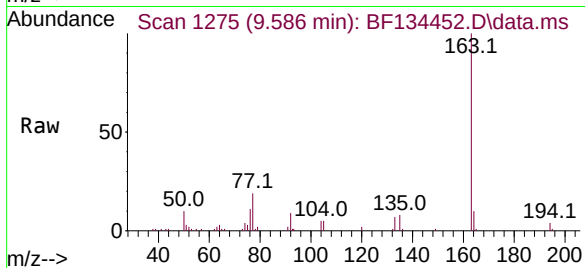




#50  
Dimethylphthalate  
Concen: 2.792 ng  
RT: 9.586 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF134452.D  
Acq: 25 Jul 2023 03:40

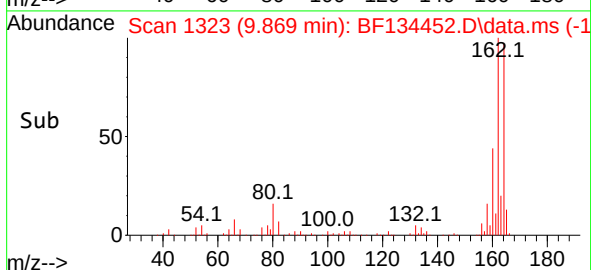
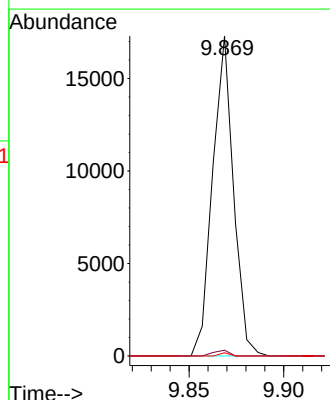
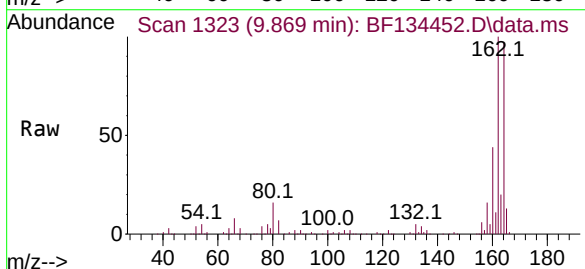
Instrument :  
BNA\_F  
ClientSampleId :  
TP20

Tgt Ion:163 Resp: 21611  
Ion Ratio Lower Upper  
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194 3.9 3.3 4.9  
164 10.5 7.5 11.3

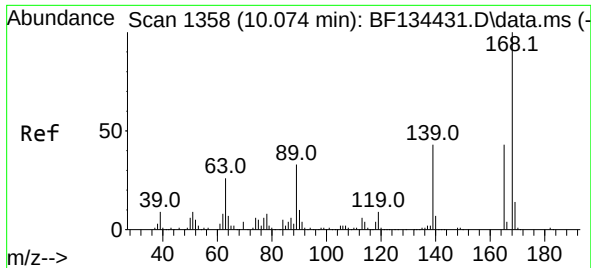


#51  
2,6-Dinitrotoluene  
Concen: 7.820 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. 0.206 min  
Lab File: BF134452.D  
Acq: 25 Jul 2023 03:40

Tgt Ion:165 Resp: 13284  
Ion Ratio Lower Upper  
165 100  
63 1.8 57.8 86.6#  
89 1.0 51.8 77.8#



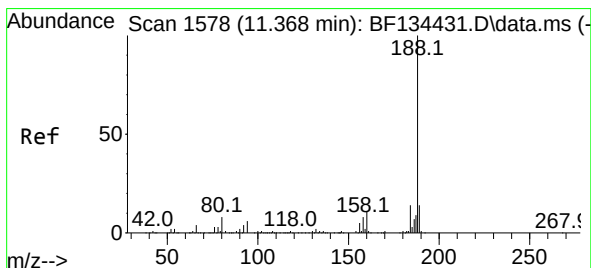
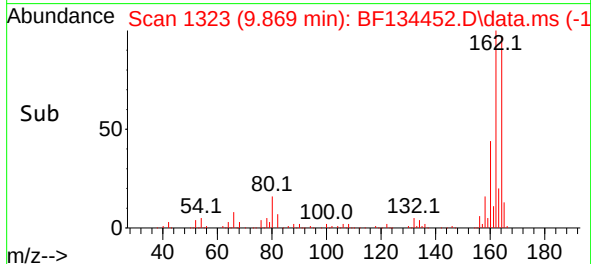
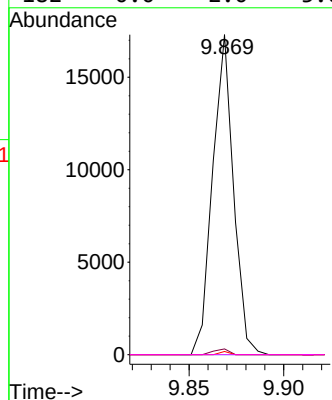
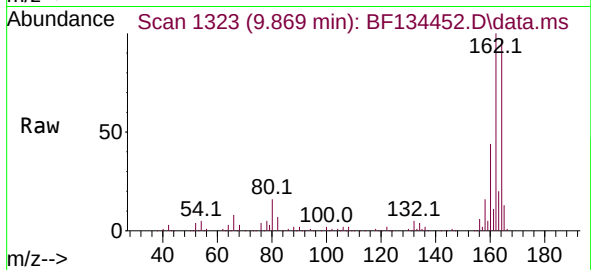




#57  
2,4-Dinitrotoluene  
Concen: 5.822 ng  
RT: 9.869 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF134452.D  
Acq: 25 Jul 2023 03:40

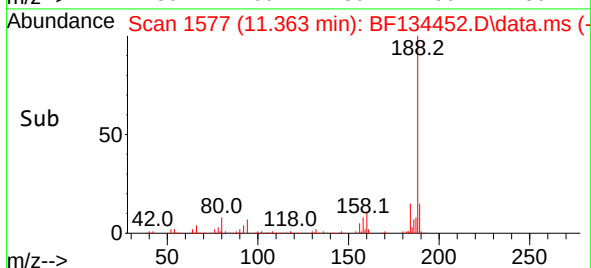
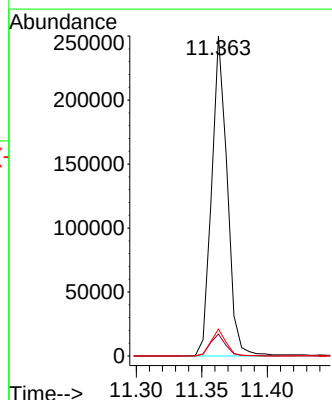
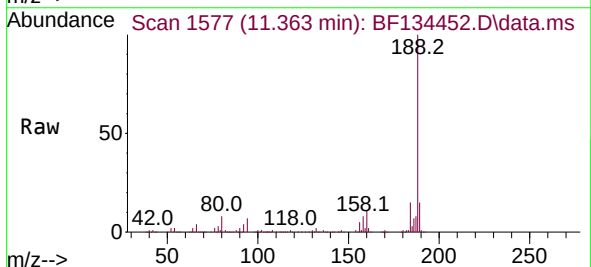
Instrument :  
BNA\_F  
ClientSampleId :  
TP20

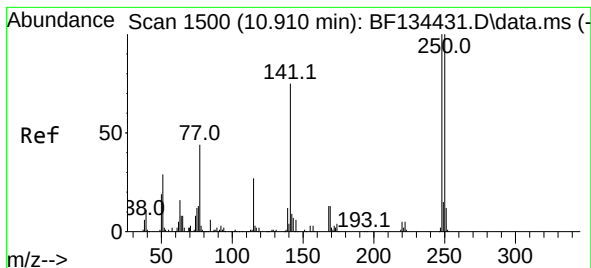
Tgt Ion:165 Resp: 13284  
Ion Ratio Lower Upper  
165 100  
63 1.8 48.9 73.3#  
89 1.0 61.7 92.5#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. -0.006 min  
Lab File: BF134452.D  
Acq: 25 Jul 2023 03:40

Tgt Ion:188 Resp: 206381  
Ion Ratio Lower Upper  
188 100  
94 6.9 5.1 7.7  
80 8.4 6.6 9.8

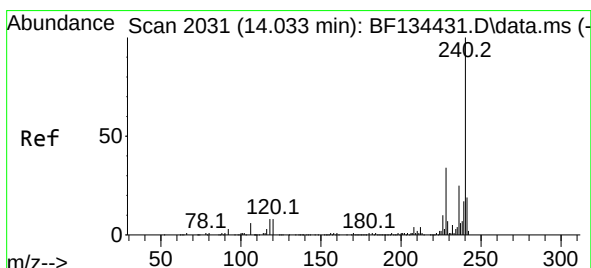
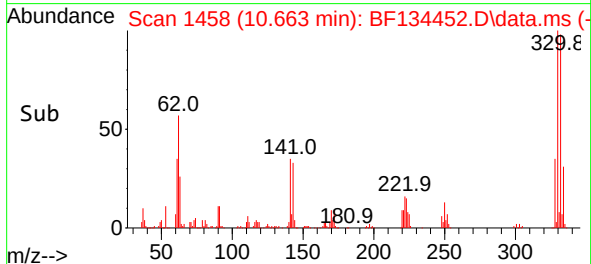
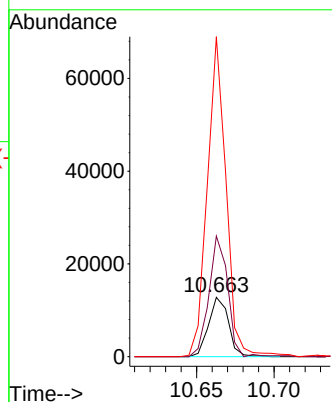
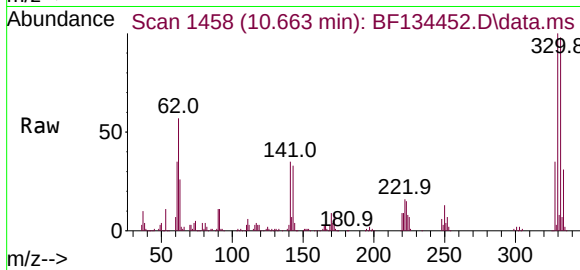




#67  
4-Bromophenyl-phenylether  
Concen: 5.064 ng  
RT: 10.663 min Scan# 1458  
Delta R.T. -0.247 min  
Lab File: BF134452.D  
Acq: 25 Jul 2023 03:40

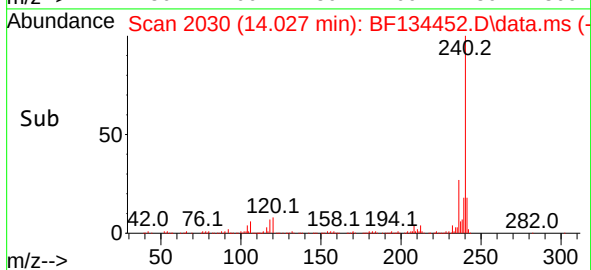
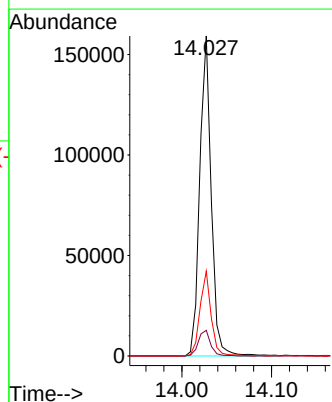
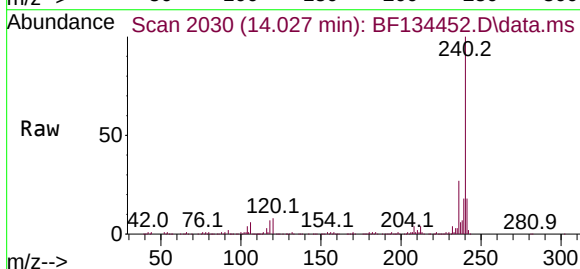
Instrument :  
BNA\_F  
ClientSampleId :  
TP20

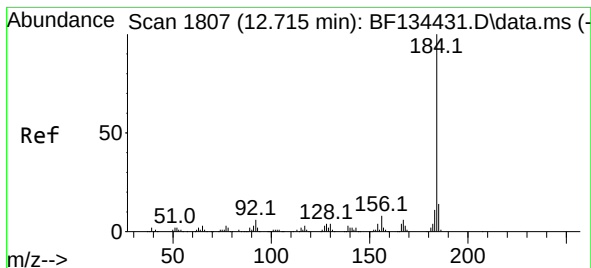
Tgt Ion:248 Resp: 11450  
Ion Ratio Lower Upper  
248 100  
250 203.0 79.6 119.4#  
141 538.7 59.6 89.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.027 min Scan# 2030  
Delta R.T. -0.006 min  
Lab File: BF134452.D  
Acq: 25 Jul 2023 03:40

Tgt Ion:240 Resp: 141608  
Ion Ratio Lower Upper  
240 100  
120 8.0 6.6 10.0  
236 26.5 20.2 30.2





#77

Benzidine

Concen: 3.523 ng

RT: 12.963 min Scan# 1849

Delta R.T. 0.248 min

Lab File: BF134452.D

Acq: 25 Jul 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

TP20

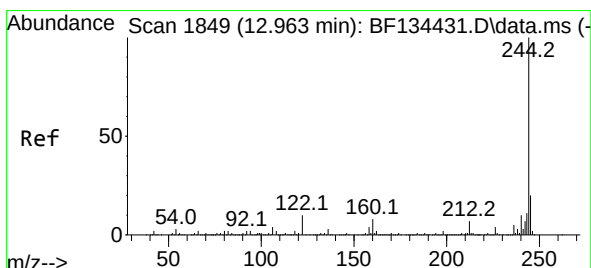
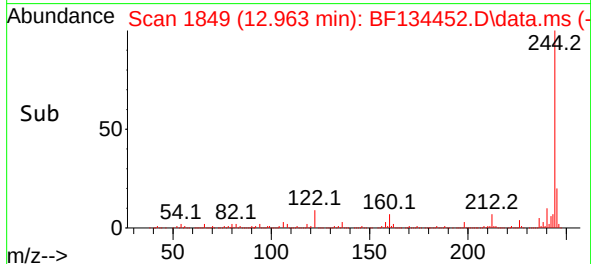
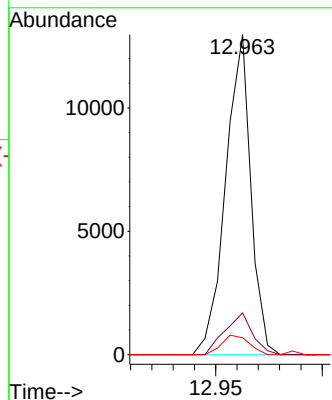
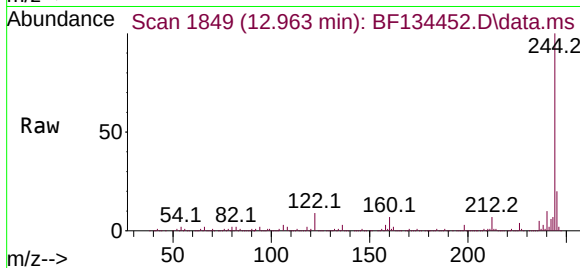
Tgt Ion:184 Resp: 10652

Ion Ratio Lower Upper

184 100

185 13.1 11.2 16.8

183 5.3 8.6 13.0#



#79

Terphenyl-d14

Concen: 91.029 ng

RT: 12.963 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF134452.D

Acq: 25 Jul 2023 03:40

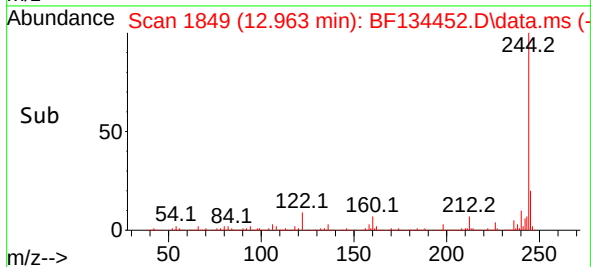
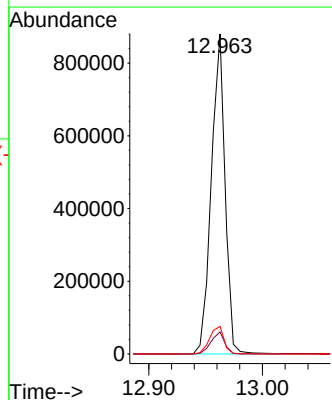
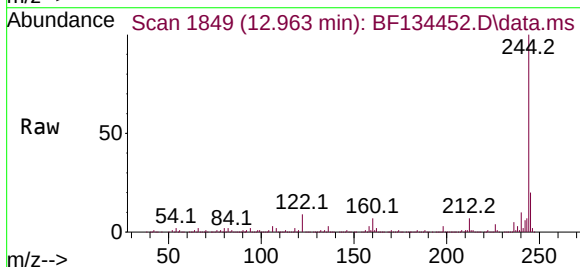
Tgt Ion:244 Resp: 738425

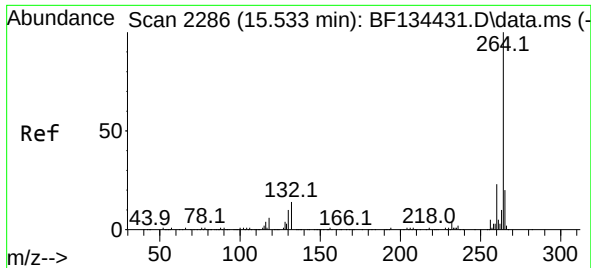
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 8.6 8.0 12.0





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.527 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF134452.D  
Acq: 25 Jul 2023 03:40

Instrument :  
BNA\_F  
ClientSampleId :  
TP20

Tgt Ion:264 Resp: 145605  
Ion Ratio Lower Upper  
264 100  
260 23.8 18.4 27.6  
265 21.5 15.8 23.8

