

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071423\  
 Data File : BF134284.D  
 Acq On : 14 Jul 2023 11:22  
 Operator : CG\JU  
 Sample : PB154028BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB154028BL

Quant Time: Jul 15 00:22:37 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 14 22:51:27 2023  
 Response via : Initial Calibration

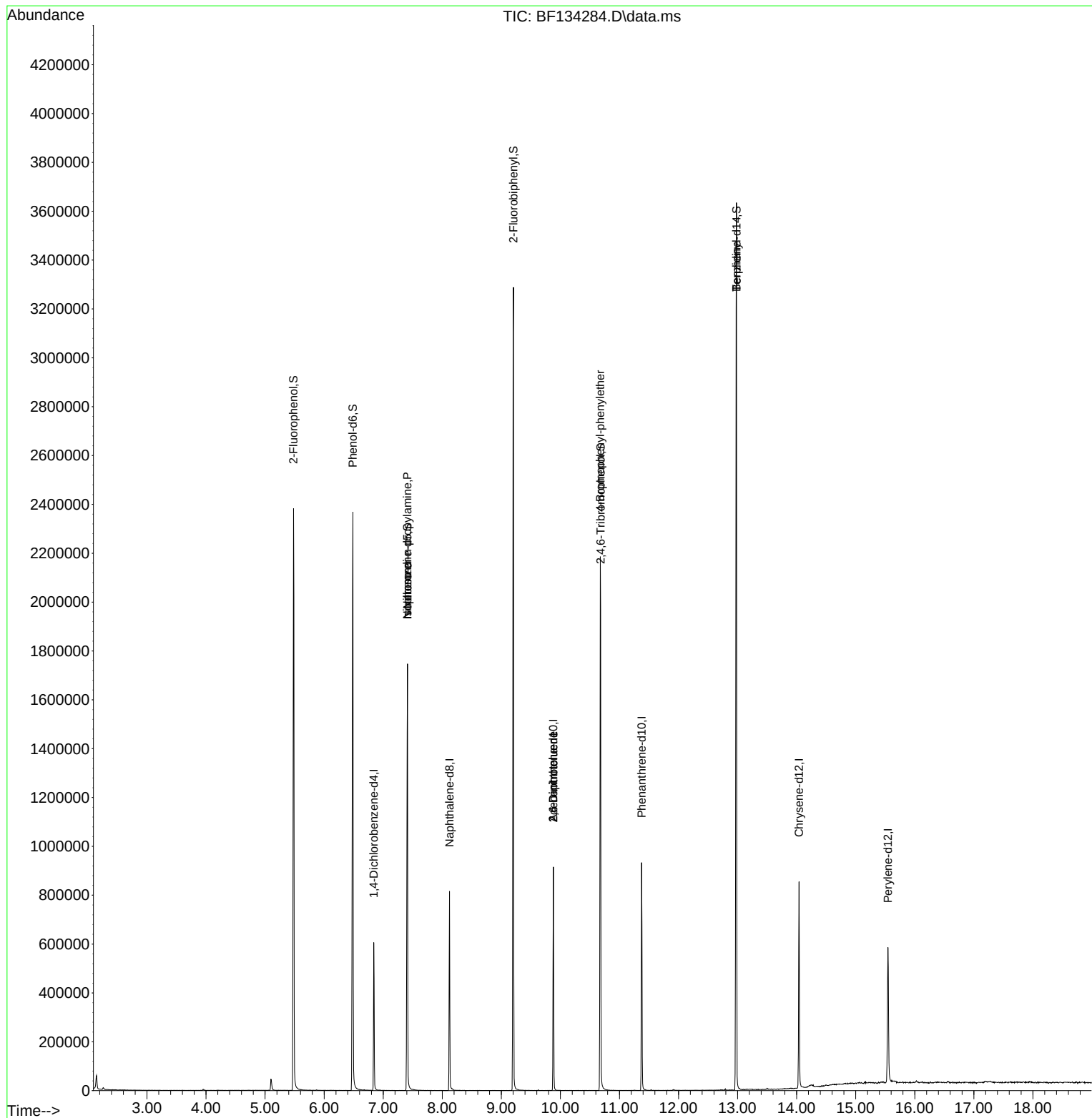
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.840  | 152  | 84351    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 320267   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.881  | 164  | 166040   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.375 | 188  | 342713   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 278472   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.545 | 264  | 282511   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 655275   | 129.948   | ng     | 0.01     |
| 7) Phenol-d6                  | 6.487  | 99   | 770300   | 124.214   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 539936   | 90.879    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.681 | 330  | 291756   | 140.145   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1041637  | 91.209    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 1357597  | 78.462    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.487  | 77   | 1440     | Below Cal | #      | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.410  | 70   | 78334    | 19.919    | ng     | # 72     |
| 25) Isophorone                | 7.410  | 82   | 539931   | 50.004    | ng     | # 64     |
| 51) 2,6-Dinitrotoluene        | 9.881  | 165  | 20707    | 7.977     | ng     | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.881  | 165  | 20707    | 6.040     | ng     | # 22     |
| 67) 4-Bromophenyl-phenylether | 10.675 | 248  | 17549    | 4.818     | ng     | # 1      |
| 77) Benzydine                 | 12.980 | 184  | 19272    | 2.909     | ng     | # 95     |
| -----                         |        |      |          |           |        |          |

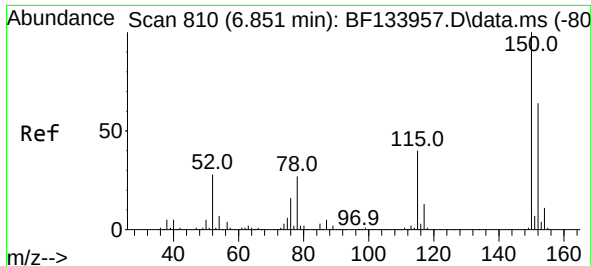
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071423\  
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Quant Time: Jul 15 00:22:37 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 14 22:51:27 2023  
Response via : Initial Calibration

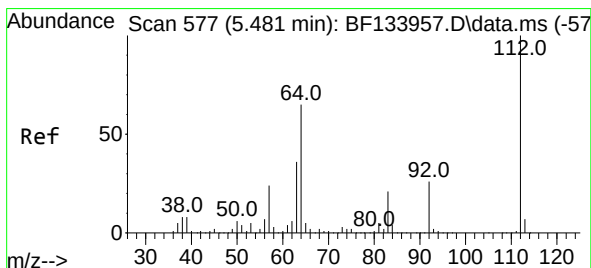
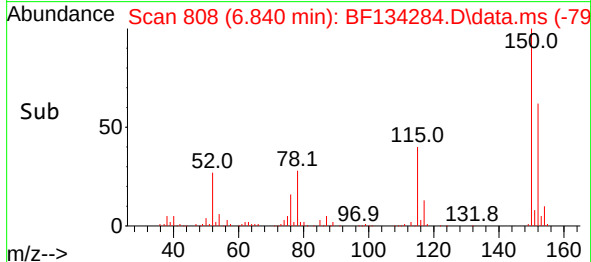
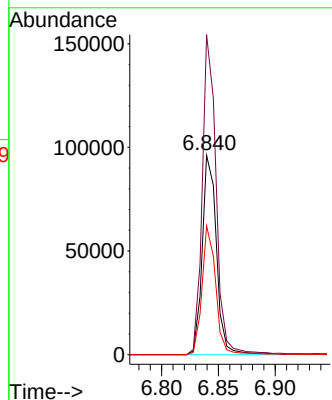
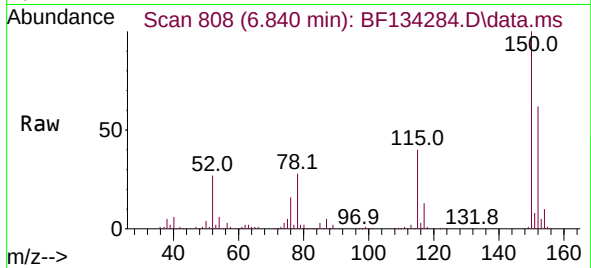




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.840 min Scan# 808  
Delta R.T. -0.005 min  
Lab File: BF134284.D  
Acq: 14 Jul 2023 11:22

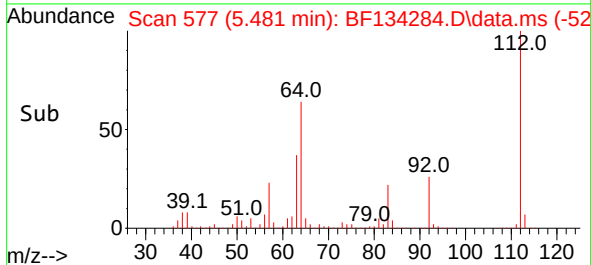
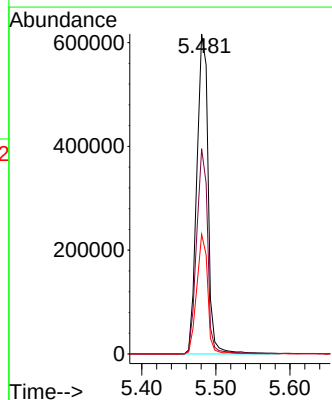
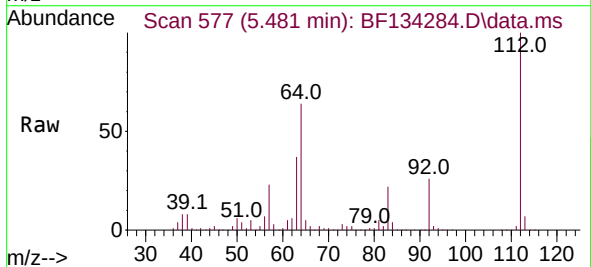
Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BL

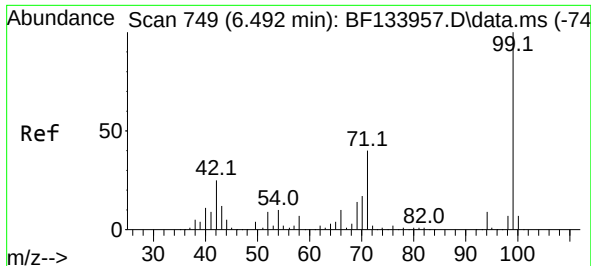
Tgt Ion:152 Resp: 84351  
Ion Ratio Lower Upper  
152 100  
150 160.5 124.5 186.7  
115 64.6 50.2 75.2



#5  
2-Fluorophenol  
Concen: 129.948 ng  
RT: 5.481 min Scan# 577  
Delta R.T. 0.012 min  
Lab File: BF134284.D  
Acq: 14 Jul 2023 11:22

Tgt Ion:112 Resp: 655275  
Ion Ratio Lower Upper  
112 100  
64 64.1 52.1 78.1  
63 37.4 28.6 42.8

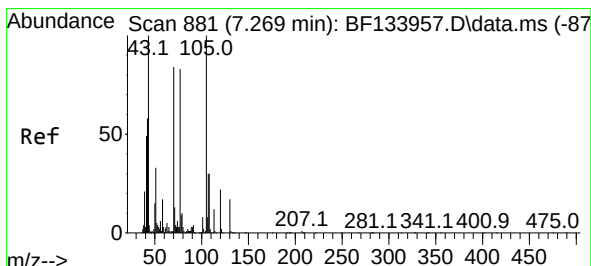
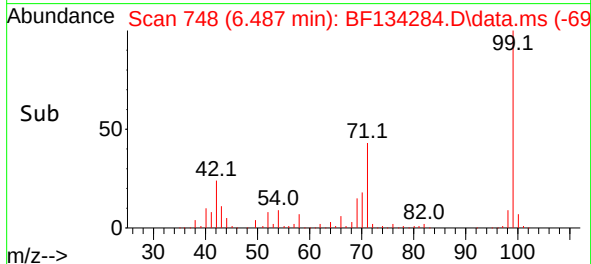
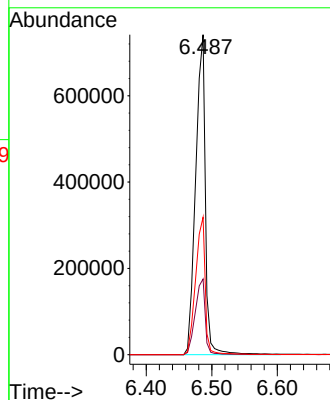
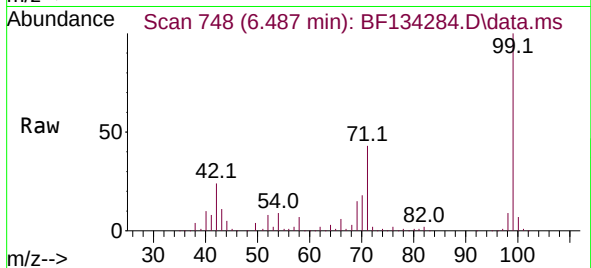




#7  
Phenol-d6  
Concen: 124.214 ng  
RT: 6.487 min Scan# 74  
Delta R.T. 0.000 min  
Lab File: BF134284.D  
Acq: 14 Jul 2023 11:22

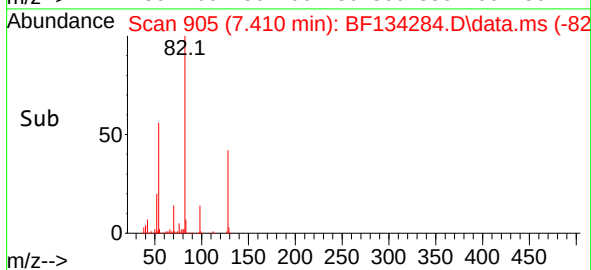
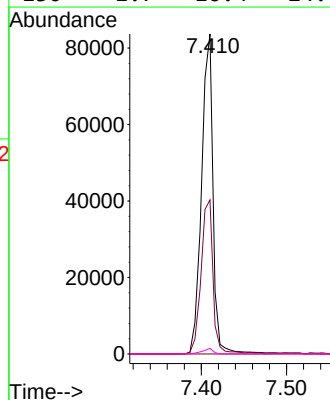
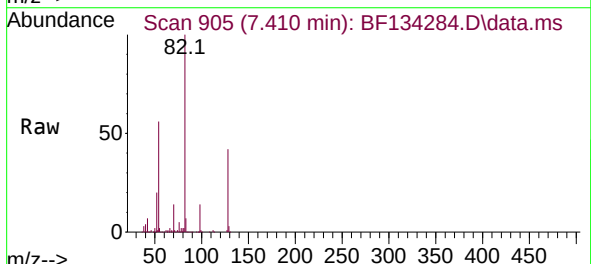
Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BL

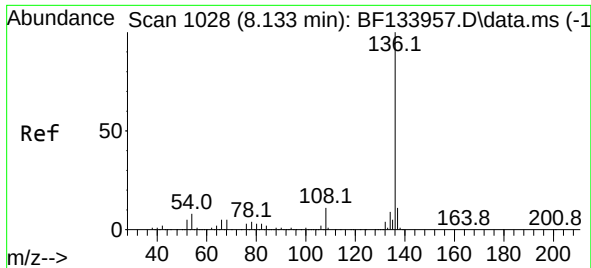
Tgt Ion: 99 Resp: 770300  
Ion Ratio Lower Upper  
99 100  
42 23.6 19.8 29.6  
71 42.9 31.9 47.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.919 ng  
RT: 7.410 min Scan# 905  
Delta R.T. 0.153 min  
Lab File: BF134284.D  
Acq: 14 Jul 2023 11:22

Tgt Ion: 70 Resp: 78334  
Ion Ratio Lower Upper  
70 100  
42 48.1 54.7 82.1#  
101 0.0 7.7 11.5#  
130 1.7 16.4 24.6#



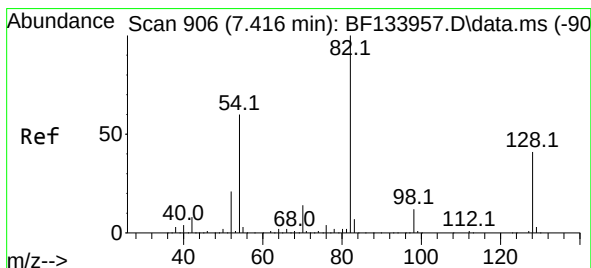
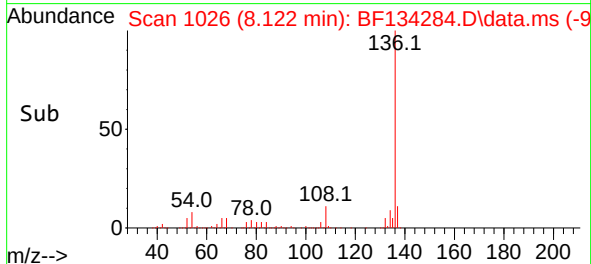
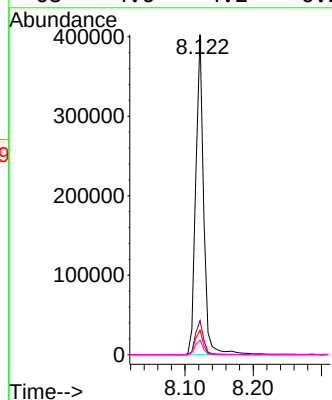
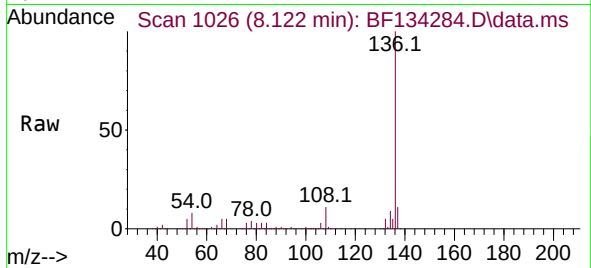


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: BF134284.D  
Acq: 14 Jul 2023 11:22

Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BL

Tgt Ion:136 Resp: 320267

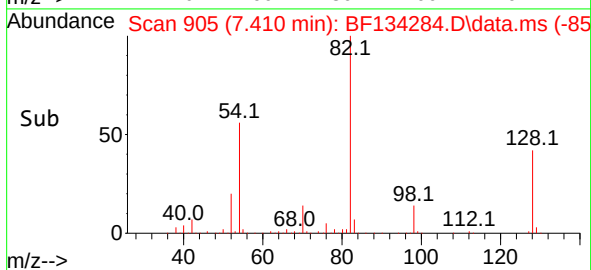
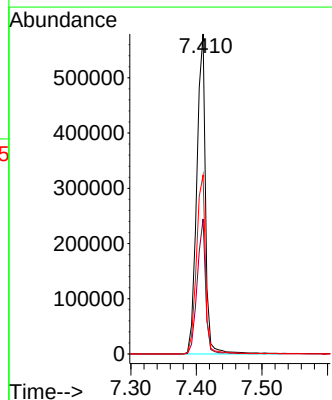
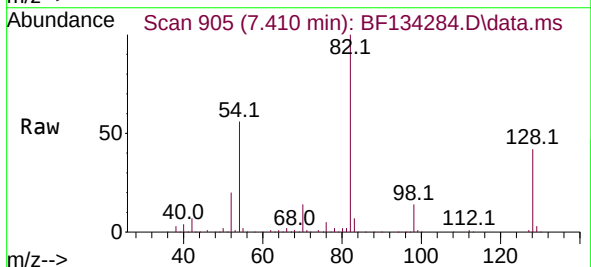
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.6   | 12.8  |
| 54  | 7.6   | 6.5   | 9.7   |
| 68  | 4.6   | 4.2   | 6.2   |

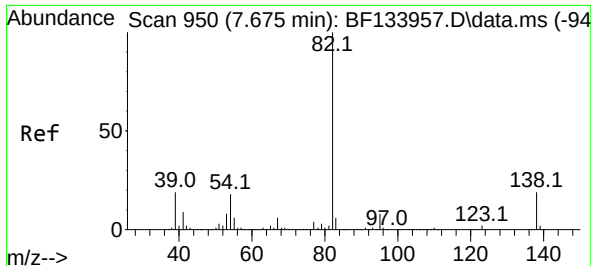


#23  
Nitrobenzene-d5  
Concen: 90.879 ng  
RT: 7.410 min Scan# 905  
Delta R.T. 0.000 min  
Lab File: BF134284.D  
Acq: 14 Jul 2023 11:22

Tgt Ion: 82 Resp: 539936

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.2  | 32.5  | 48.7  |
| 54  | 55.9  | 48.2  | 72.2  |

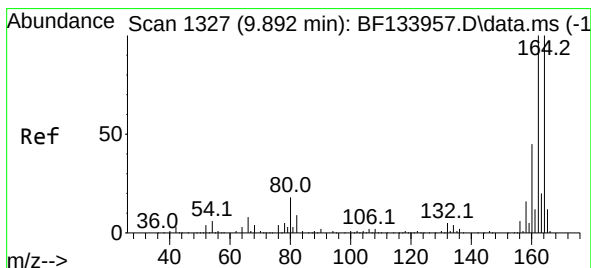
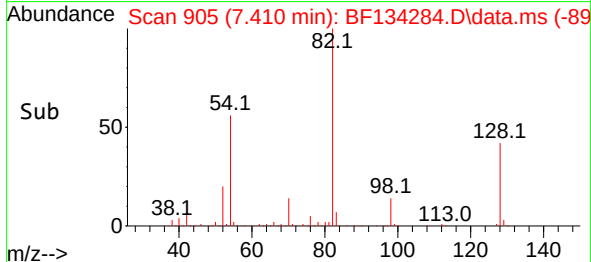
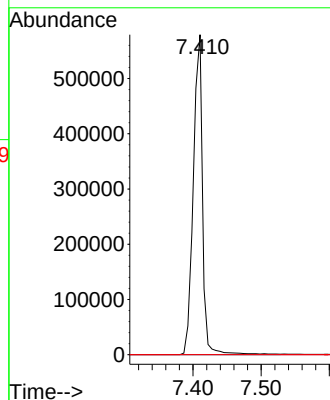
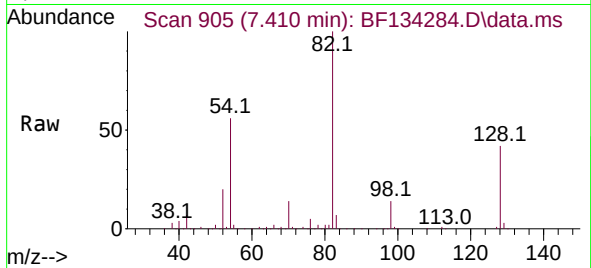




#25  
Isophorone  
Concen: 50.004 ng  
RT: 7.410 min Scan# 90  
Delta R.T. -0.253 min  
Lab File: BF134284.D  
Acq: 14 Jul 2023 11:22

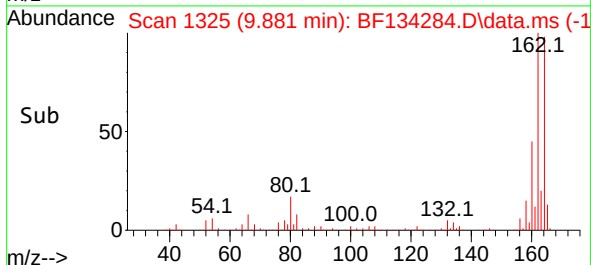
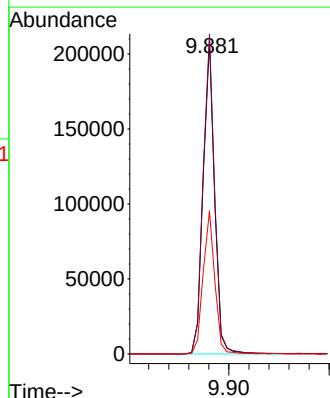
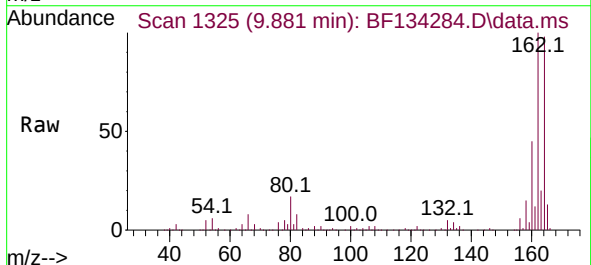
Instrument :  
BNA\_F  
ClientSampleId :  
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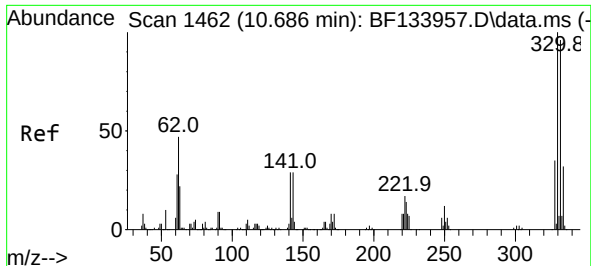
Tgt Ion: 82 Resp: 539931  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.1 9.1#  
138 0.0 15.2 22.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.881 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: BF134284.D  
Acq: 14 Jul 2023 11:22

Tgt Ion:164 Resp: 166040  
Ion Ratio Lower Upper  
164 100  
162 102.3 80.0 120.0  
160 45.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 140.145 ng

RT: 10.681 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF134284.D

Acq: 14 Jul 2023 11:22

Instrument :

BNA\_F

ClientSampleId :

PB154028BL

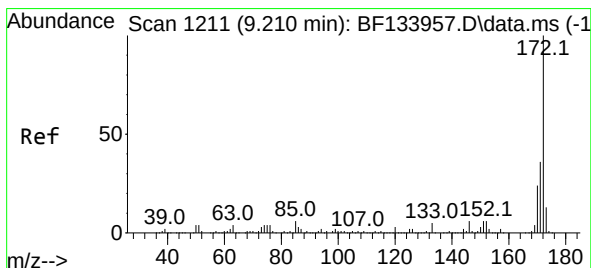
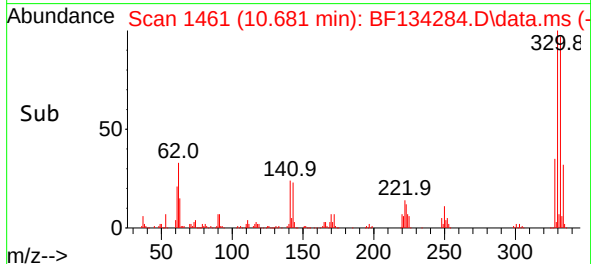
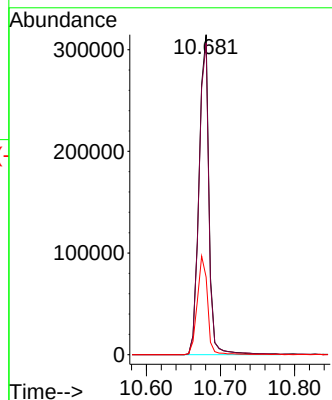
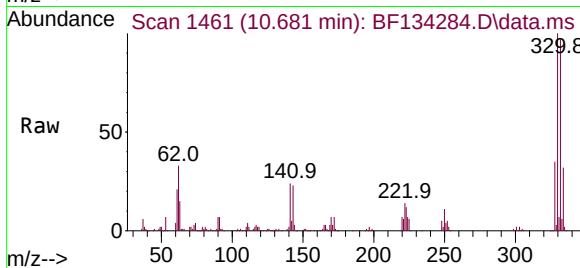
Tgt Ion:330 Resp: 291756

Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

141 31.7 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 91.209 ng

RT: 9.204 min Scan# 1210

Delta R.T. 0.000 min

Lab File: BF134284.D

Acq: 14 Jul 2023 11:22

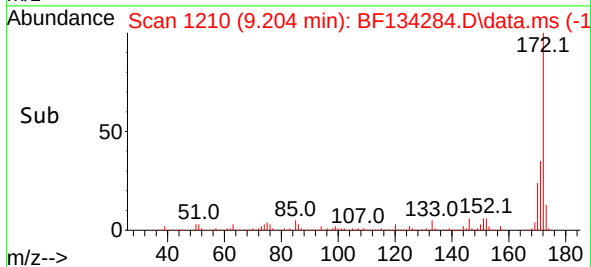
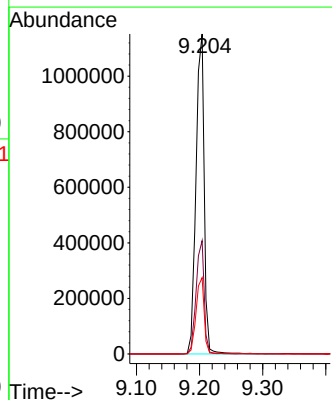
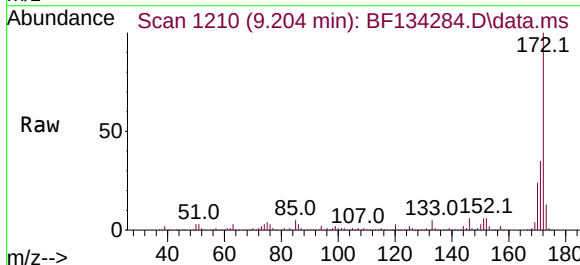
Tgt Ion:172 Resp: 1041637

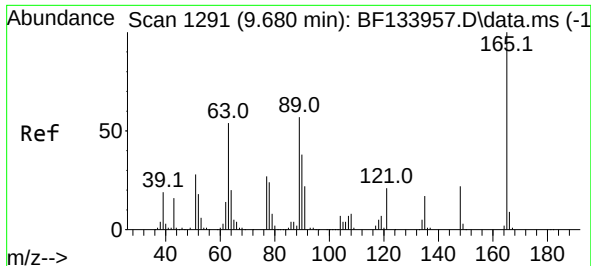
Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 23.9 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 7.977 ng

RT: 9.881 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF134284.D

Acq: 14 Jul 2023 11:22

Instrument :

BNA\_F

ClientSampleId :

PB154028BL

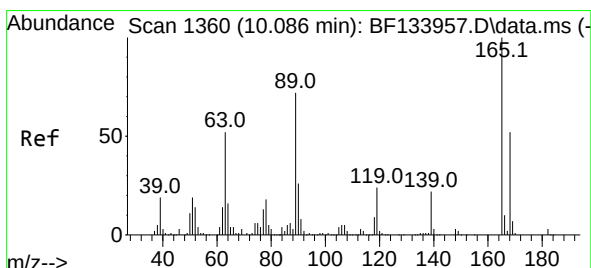
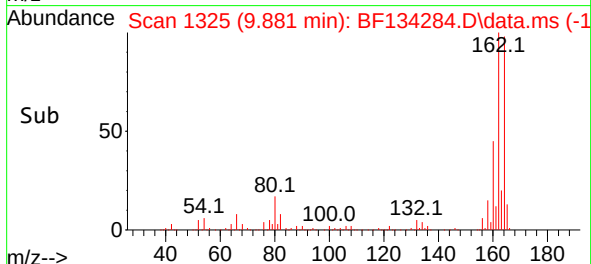
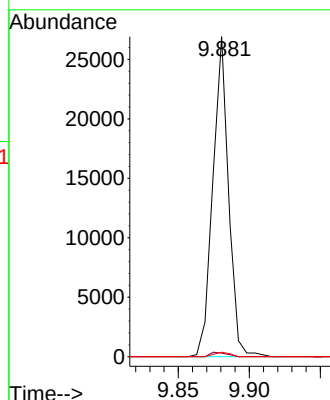
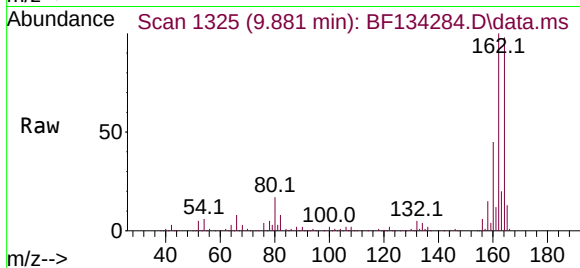
Tgt Ion:165 Resp: 20707

Ion Ratio Lower Upper

165 100

63 1.1 48.5 72.7#

89 1.4 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.040 ng

RT: 9.881 min Scan# 1325

Delta R.T. -0.200 min

Lab File: BF134284.D

Acq: 14 Jul 2023 11:22

Tgt Ion:165 Resp: 20707

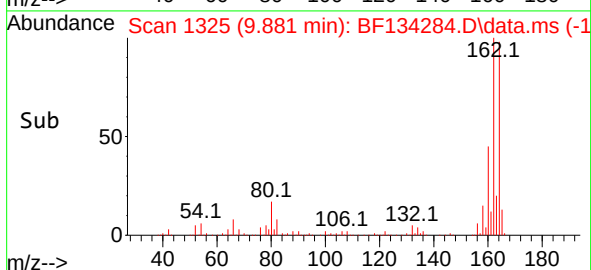
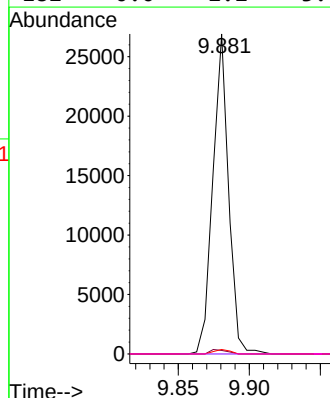
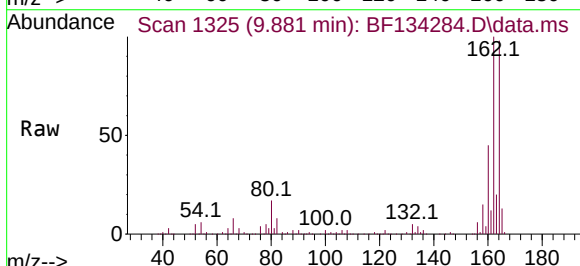
Ion Ratio Lower Upper

165 100

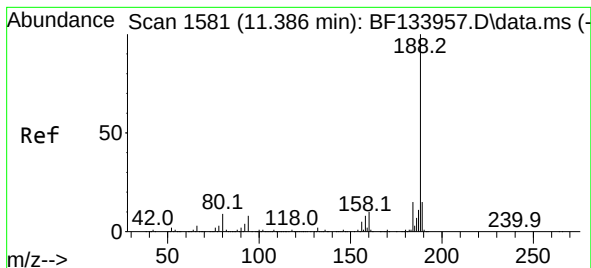
63 1.1 42.2 63.2#

89 1.4 57.4 86.2#

182 0.0 2.2 3.4#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134284.D

Acq: 14 Jul 2023 11:22

Instrument :

BNA\_F

ClientSampleId :

PB154028BL

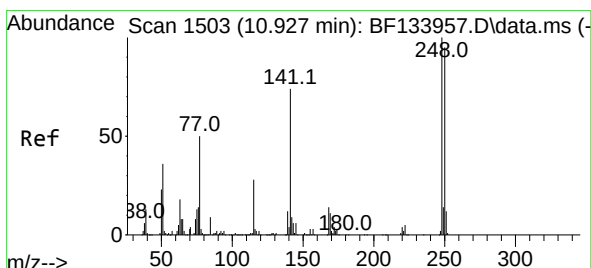
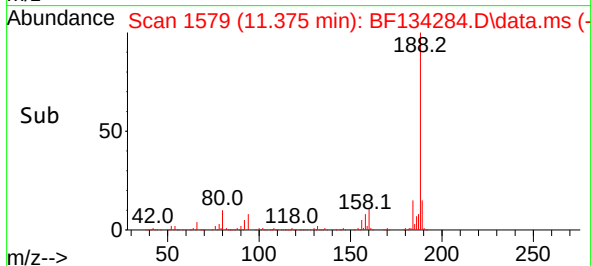
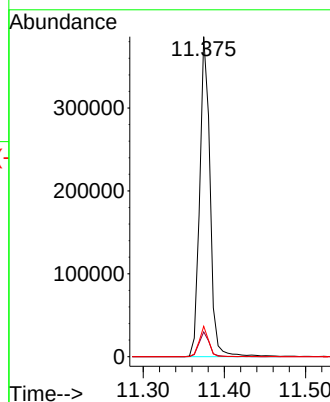
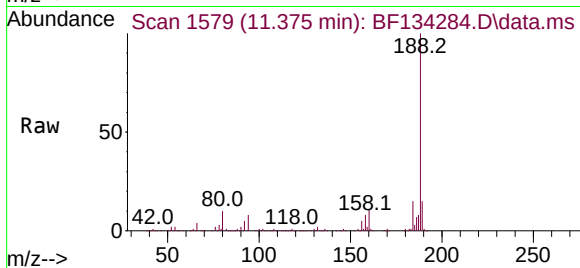
Tgt Ion:188 Resp: 342713

Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

80 9.5 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.818 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.241 min

Lab File: BF134284.D

Acq: 14 Jul 2023 11:22

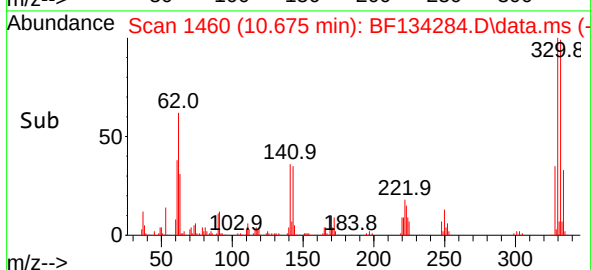
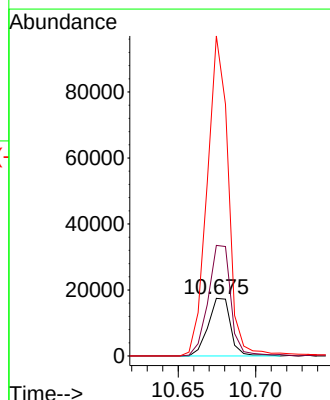
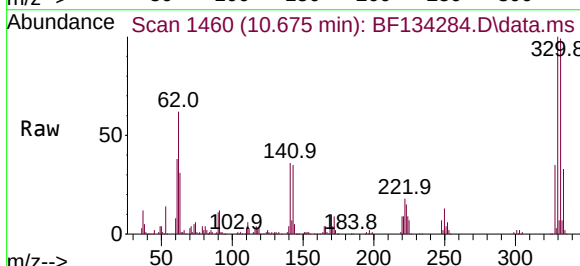
Tgt Ion:248 Resp: 17549

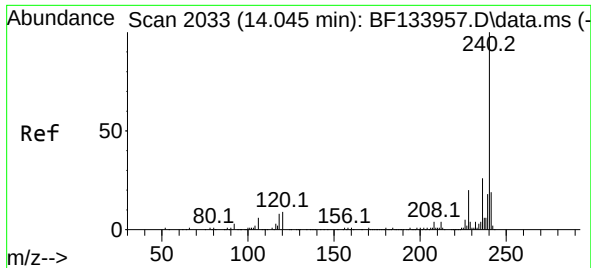
Ion Ratio Lower Upper

248 100

250 192.0 76.2 114.4#

141 555.8 59.0 88.4#

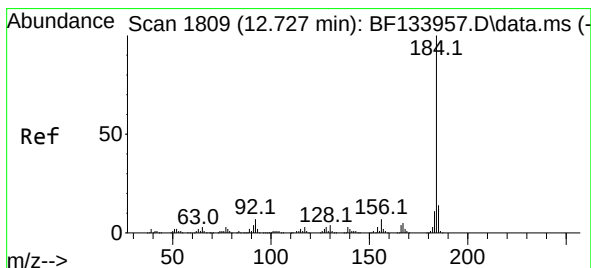
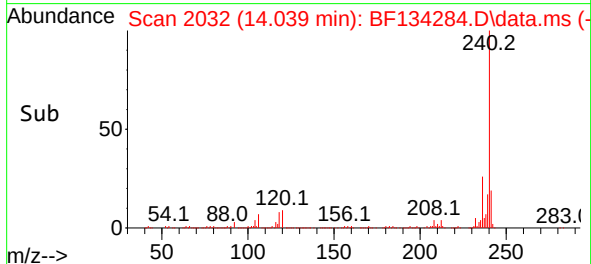
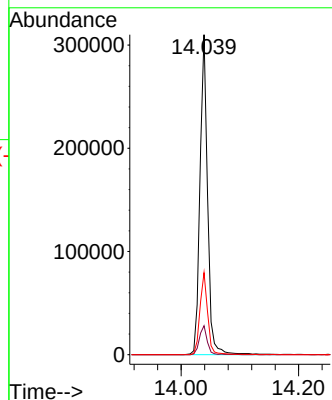
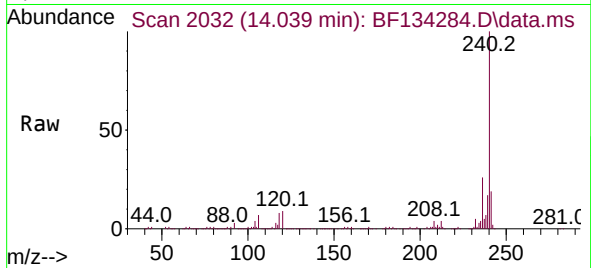




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: BF134284.D  
Acq: 14 Jul 2023 11:22

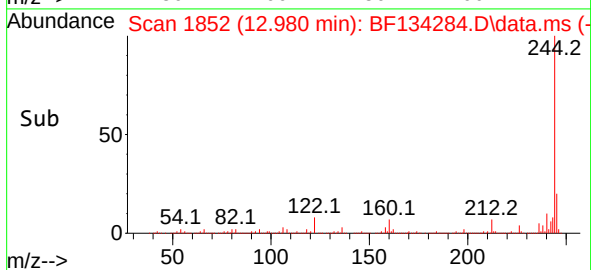
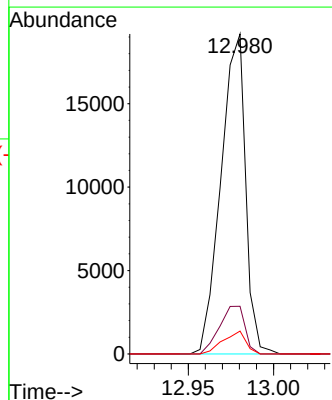
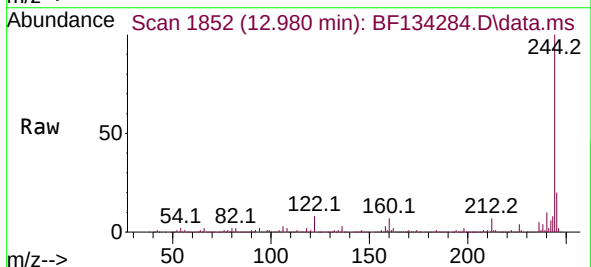
Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BL

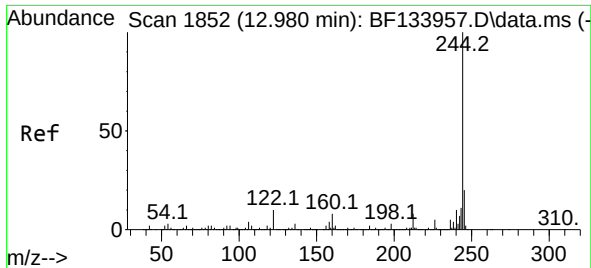
Tgt Ion:240 Resp: 278472  
Ion Ratio Lower Upper  
240 100  
120 9.1 7.4 11.0  
236 25.6 21.0 31.6



#77  
Benzidine  
Concen: 2.909 ng  
RT: 12.980 min Scan# 1852  
Delta R.T. 0.253 min  
Lab File: BF134284.D  
Acq: 14 Jul 2023 11:22

Tgt Ion:184 Resp: 19272  
Ion Ratio Lower Upper  
184 100  
185 14.9 11.6 17.4  
183 7.2 8.8 13.2#

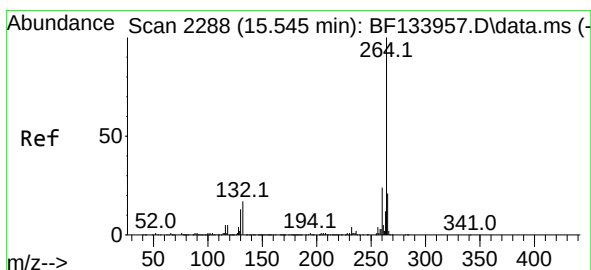
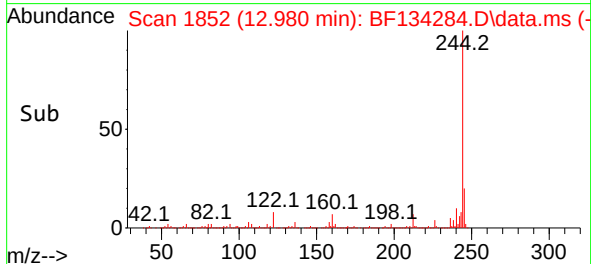
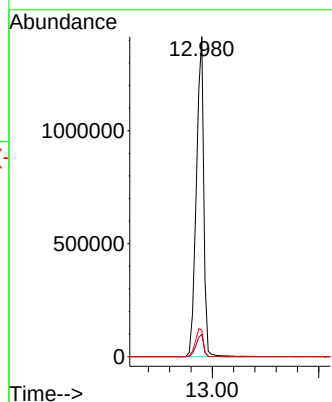
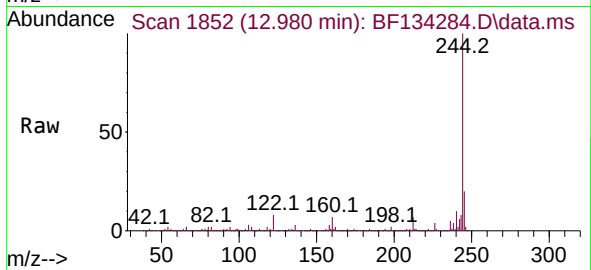




#79  
 Terphenyl-d14  
 Concen: 78.462 ng  
 RT: 12.980 min Scan# 1852  
 Delta R.T. 0.006 min  
 Lab File: BF134284.D  
 Acq: 14 Jul 2023 11:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB154028BL

Tgt Ion:244 Resp: 1357597  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.0 9.0  
 122 8.3 8.3 12.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.545 min Scan# 2288  
 Delta R.T. 0.000 min  
 Lab File: BF134284.D  
 Acq: 14 Jul 2023 11:22

Tgt Ion:264 Resp: 282511  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.5 29.3  
 265 22.8 16.6 25.0

