

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070623\  
 Data File : BF134109.D  
 Acq On : 06 Jul 2023 21:53  
 Operator : CG\JU  
 Sample : 03475-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ALDENE-COMP-1

Quant Time: Jul 07 01:33:16 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 30 18:35:29 2023  
 Response via : Initial Calibration

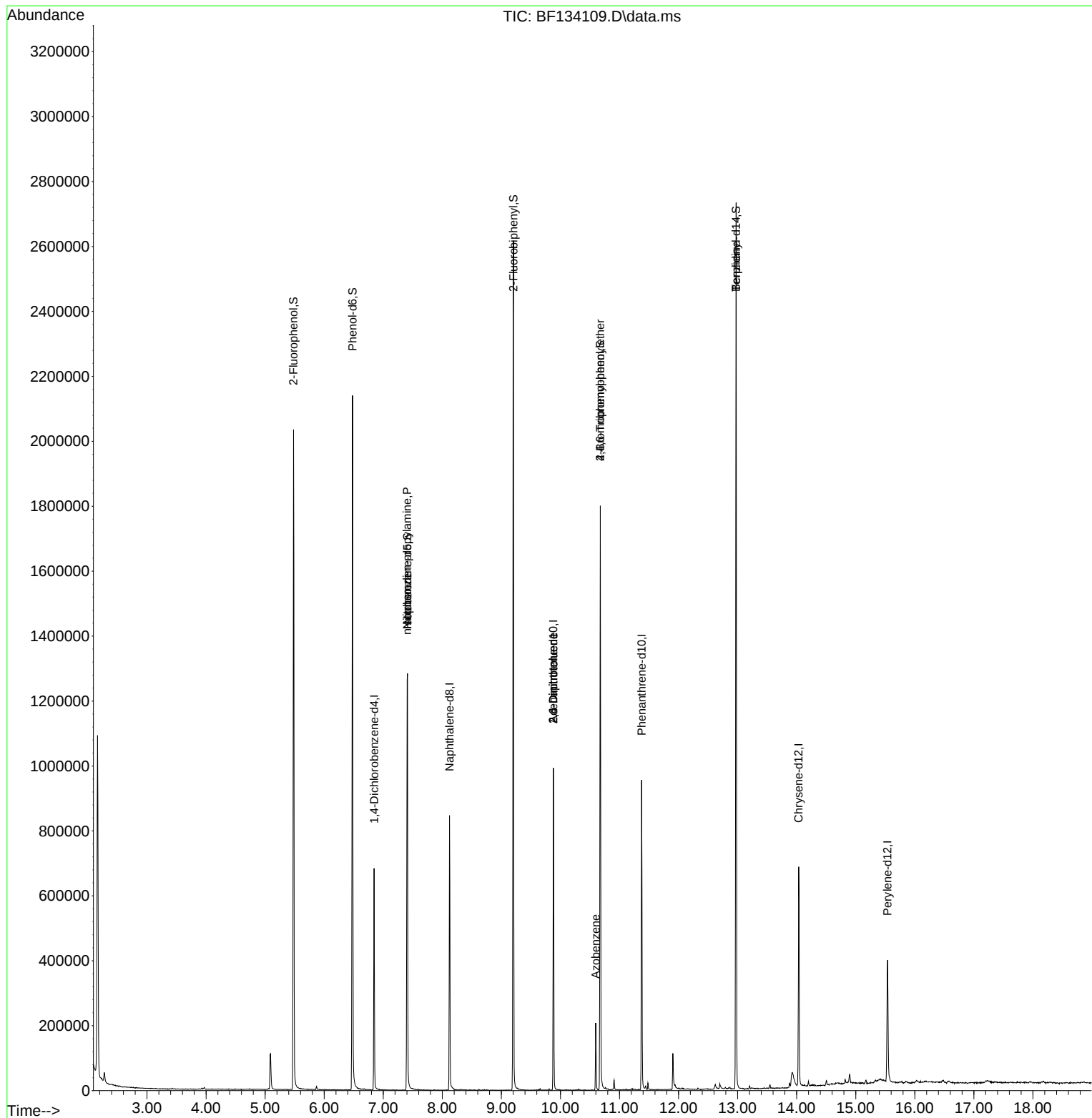
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 91311    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 362072   | 20.000    | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.880  | 164  | 179914   | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.374 | 188  | 346667   | 20.000    | ng    | -0.01    |
| 76) Chrysene-d12              | 14.033 | 240  | 233930   | 20.000    | ng    | #-0.02   |
| 86) Perylene-d12              | 15.539 | 264  | 189958   | 20.000    | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 528137   | 96.752    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.481  | 99   | 620047   | 92.364    | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 430218   | 64.051    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.674 | 330  | 210726   | 93.417    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 804822   | 65.038    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 891023   | 61.302    | ng    | -0.01    |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.481  | 77   | 1071     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 59936    | 14.079    | ng    | # 78     |
| 25) Isophorone                | 7.410  | 82   | 430213   | 35.242    | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 9.880  | 165  | 22945    | 8.157     | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.880  | 165  | 22945    | 6.177     | ng    | # 22     |
| 63) Azobenzene                | 10.598 | 77   | 34097    | 2.649     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.674 | 248  | 12529    | 3.400     | ng    | # 1      |
| 77) Benzidine                 | 12.974 | 184  | 13543    | 2.433     | ng    | # 92     |
| -----                         |        |      |          |           |       |          |

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

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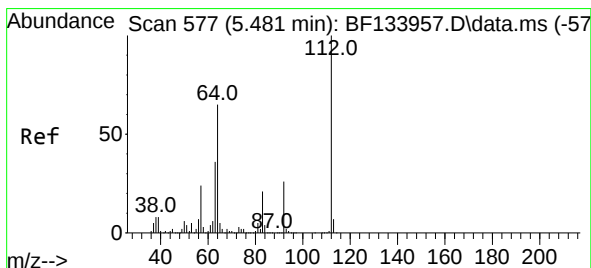
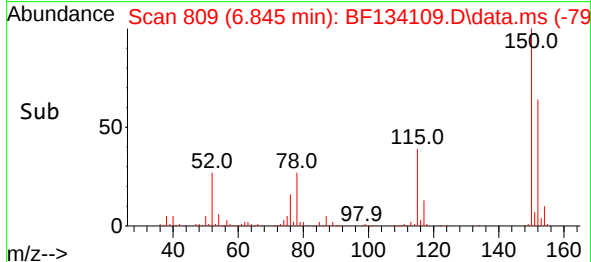
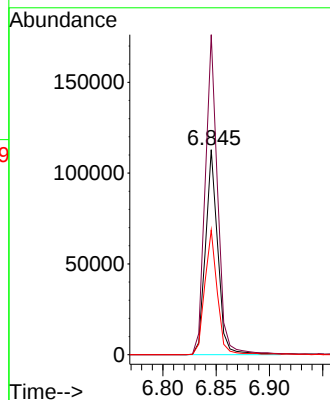
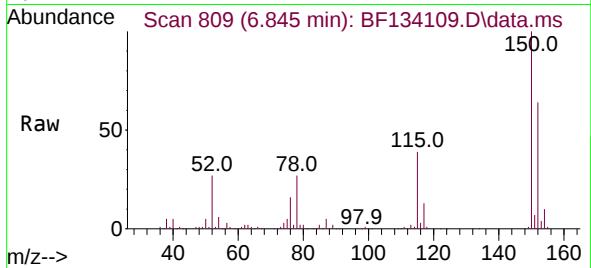




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.845 min Scan# 810  
Delta R.T. -0.006 min  
Lab File: BF134109.D  
Acq: 06 Jul 2023 21:53

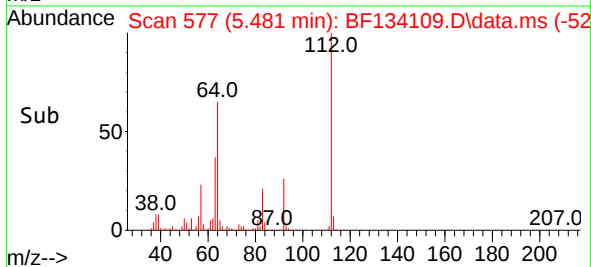
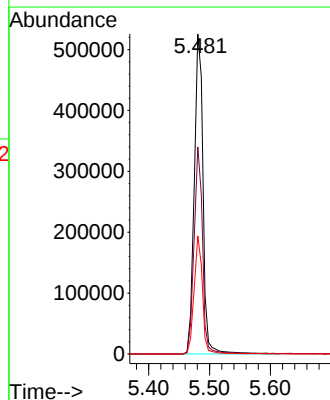
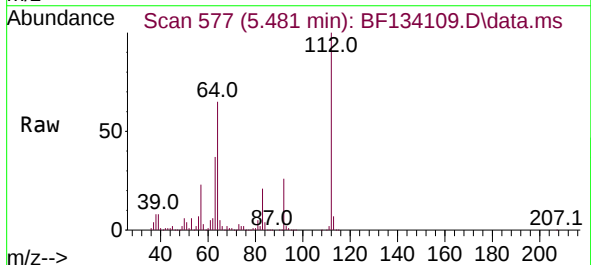
Instrument :  
BNA\_F  
ClientSampleId :  
ALDENE-COMP-1

Tgt Ion:152 Resp: 91311  
Ion Ratio Lower Upper  
152 100  
150 156.1 124.5 186.7  
115 60.8 50.2 75.2



#5  
2-Fluorophenol  
Concen: 96.752 ng  
RT: 5.481 min Scan# 577  
Delta R.T. -0.006 min  
Lab File: BF134109.D  
Acq: 06 Jul 2023 21:53

Tgt Ion:112 Resp: 528137  
Ion Ratio Lower Upper  
112 100  
64 64.7 52.1 78.1  
63 36.9 28.6 42.8

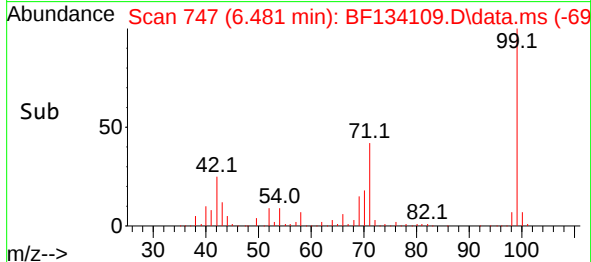
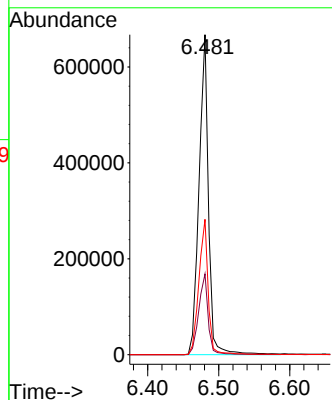
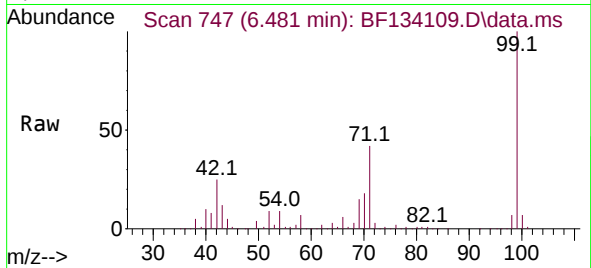




#7  
Phenol-d6  
Concen: 92.364 ng  
RT: 6.481 min Scan# 74  
Delta R.T. -0.012 min  
Lab File: BF134109.D  
Acq: 06 Jul 2023 21:53

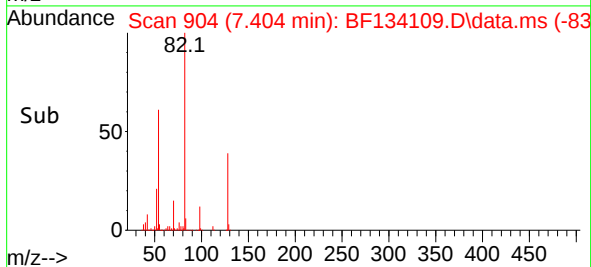
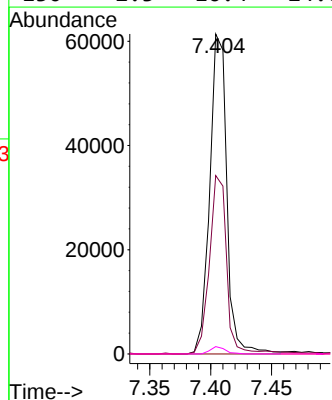
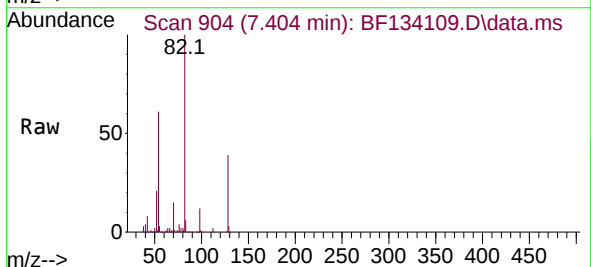
Instrument :  
BNA\_F  
ClientSampleId :  
ALDENE-COMP-1

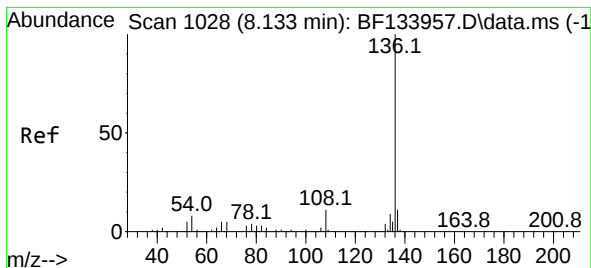
Tgt Ion: 99 Resp: 620047  
Ion Ratio Lower Upper  
99 100  
42 25.3 19.8 29.6  
71 42.3 31.9 47.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.079 ng  
RT: 7.404 min Scan# 904  
Delta R.T. 0.135 min  
Lab File: BF134109.D  
Acq: 06 Jul 2023 21:53

Tgt Ion: 70 Resp: 59936  
Ion Ratio Lower Upper  
70 100  
42 55.7 54.7 82.1  
101 0.0 7.7 11.5#  
130 2.3 16.4 24.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.012 min

Lab File: BF134109.D

Acq: 06 Jul 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

ALDENE-COMP-1

Tgt Ion:136 Resp: 362072

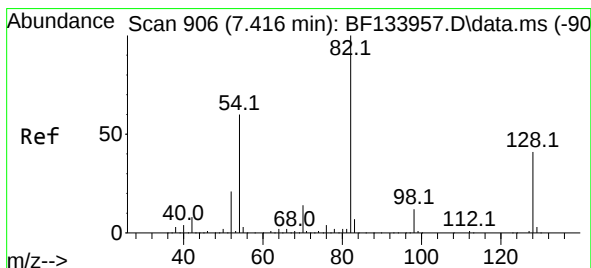
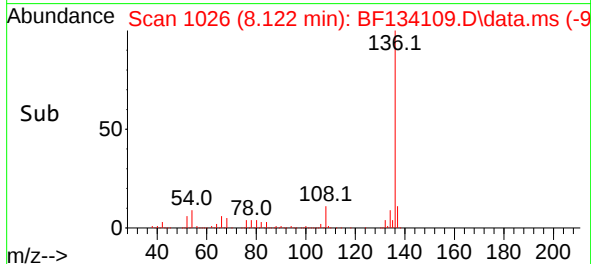
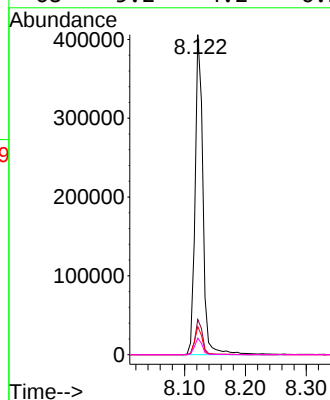
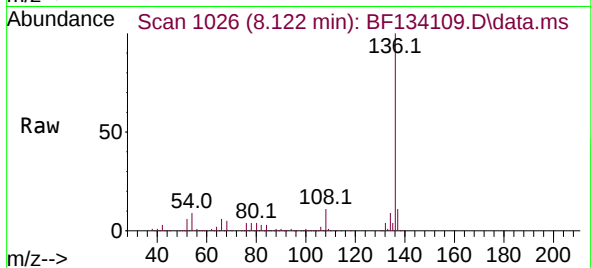
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 8.8 6.5 9.7

68 5.2 4.2 6.2



#23

Nitrobenzene-d5

Concen: 64.051 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF134109.D

Acq: 06 Jul 2023 21:53

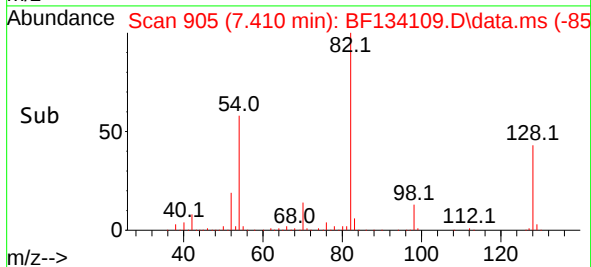
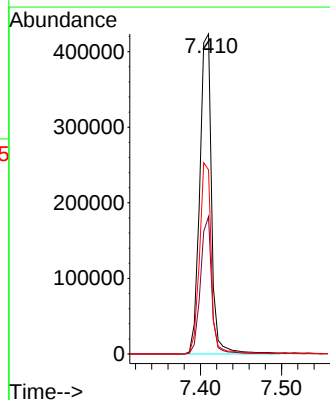
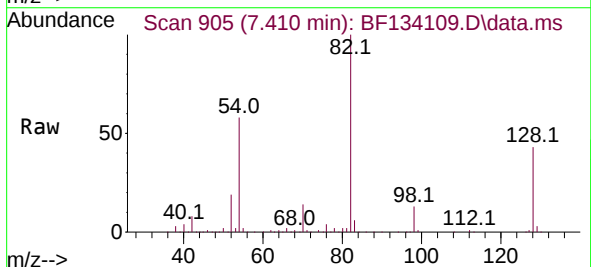
Tgt Ion: 82 Resp: 430218

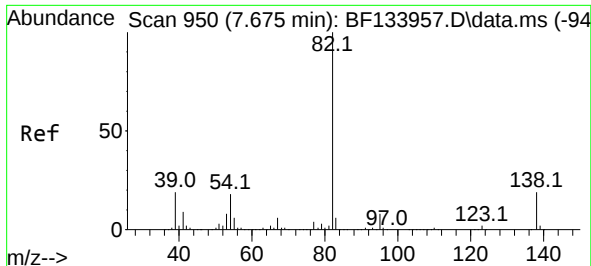
Ion Ratio Lower Upper

82 100

128 42.9 32.5 48.7

54 57.5 48.2 72.2

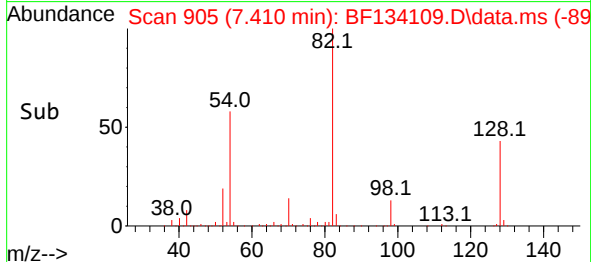
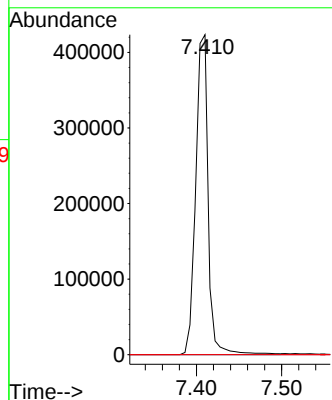
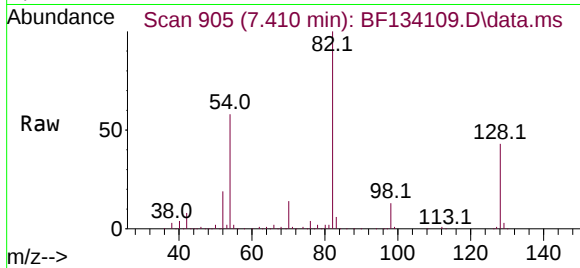




#25  
Isophorone  
Concen: 35.242 ng  
RT: 7.410 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF134109.D  
Acq: 06 Jul 2023 21:53

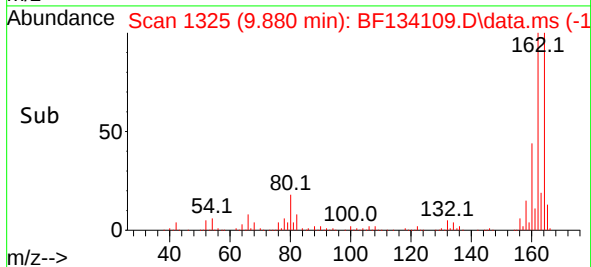
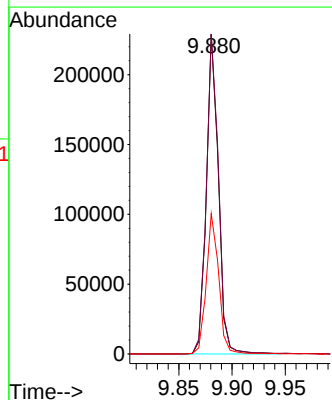
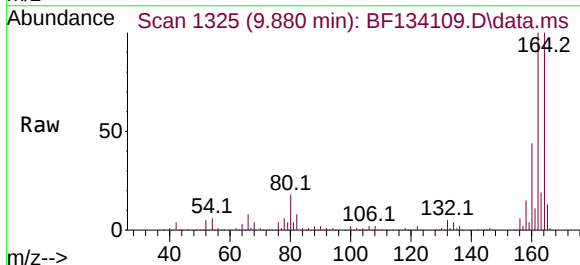
Instrument :  
BNA\_F  
ClientSampleId :  
ALDENE-COMP-1

Tgt Ion: 82 Resp: 430213  
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: 9.880 min Scan# 1325  
Delta R.T. -0.012 min  
Lab File: BF134109.D  
Acq: 06 Jul 2023 21:53

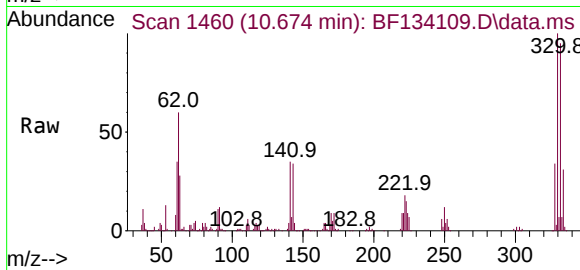
Tgt Ion:164 Resp: 179914  
Ion Ratio Lower Upper  
164 100  
162 99.9 80.0 120.0  
160 43.9 35.9 53.9



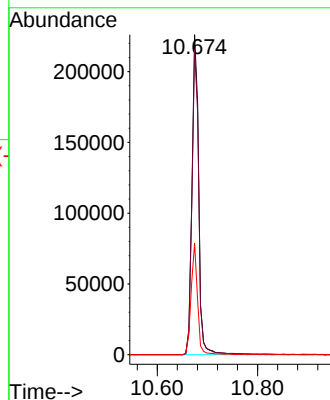
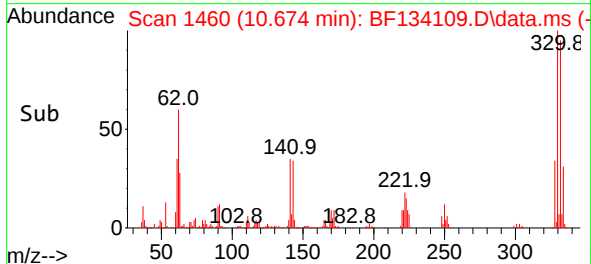


#42  
2,4,6-Tribromophenol  
Concen: 93.417 ng  
RT: 10.674 min Scan# 1460  
Delta R.T. -0.012 min  
Lab File: BF134109.D  
Acq: 06 Jul 2023 21:53

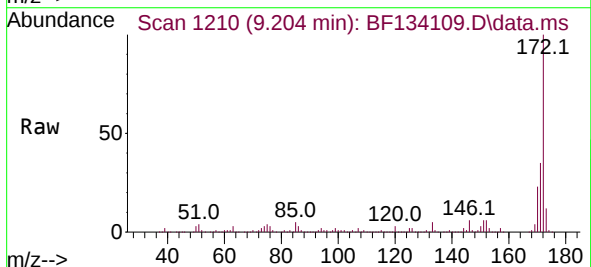
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ALDENE-COMP-1



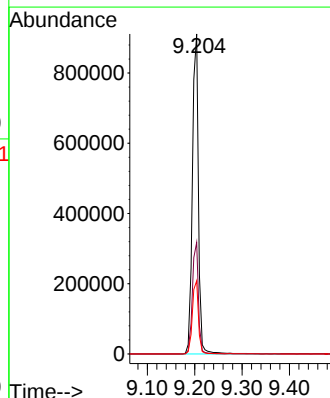
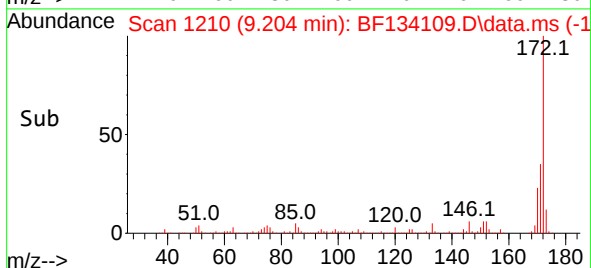
Tgt Ion:330 Resp: 210726  
Ion Ratio Lower Upper  
330 100  
332 95.6 77.0 115.6  
141 33.3 26.3 39.5



#45  
2-Fluorobiphenyl  
Concen: 65.038 ng  
RT: 9.204 min Scan# 1210  
Delta R.T. -0.006 min  
Lab File: BF134109.D  
Acq: 06 Jul 2023 21:53



Tgt Ion:172 Resp: 804822  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.6 43.0  
170 22.9 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.157 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF134109.D

Acq: 06 Jul 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

ALDENE-COMP-1

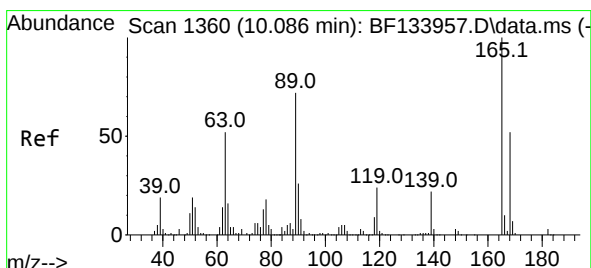
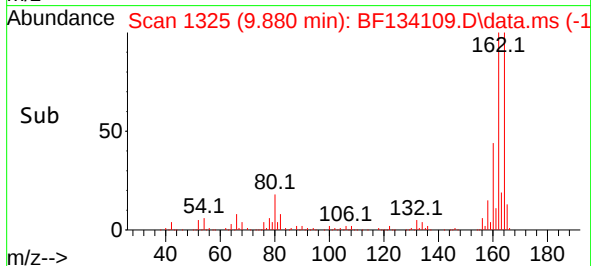
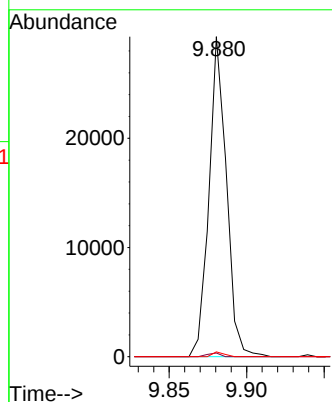
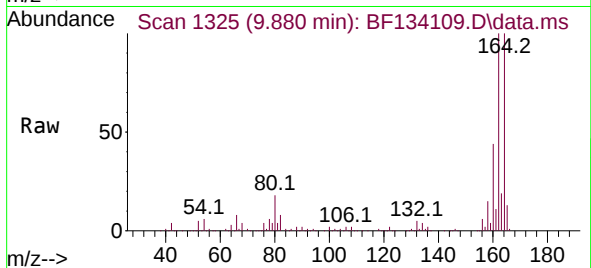
Tgt Ion:165 Resp: 22945

Ion Ratio Lower Upper

165 100

63 1.2 48.5 72.7#

89 1.5 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.177 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.206 min

Lab File: BF134109.D

Acq: 06 Jul 2023 21:53

Tgt Ion:165 Resp: 22945

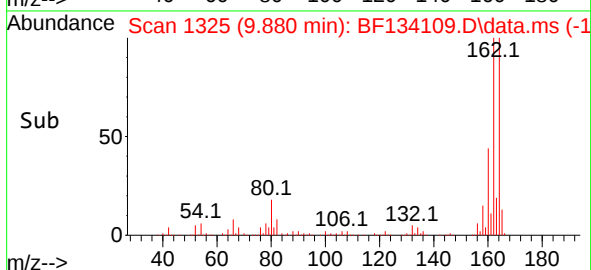
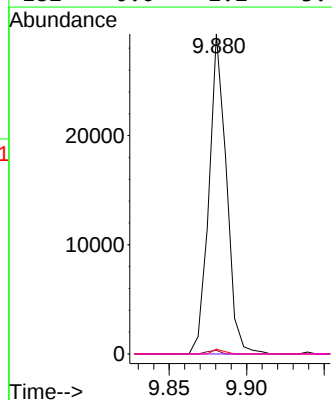
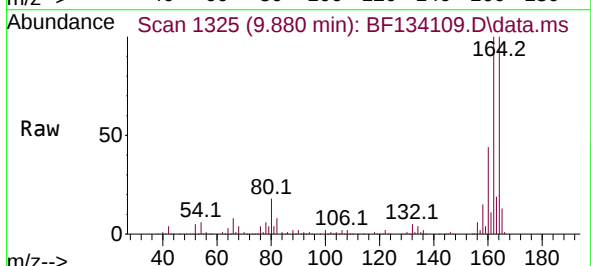
Ion Ratio Lower Upper

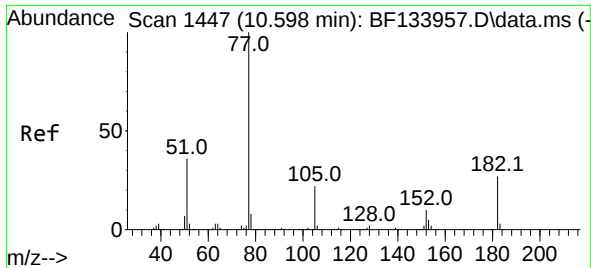
165 100

63 1.2 42.2 63.2#

89 1.5 57.4 86.2#

182 0.0 2.2 3.4#

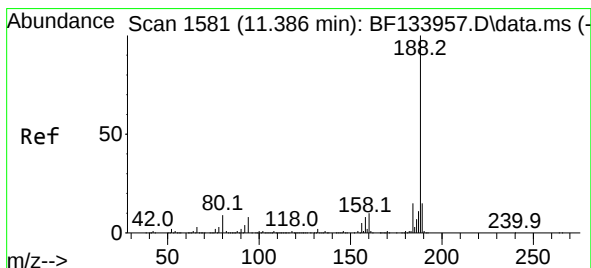
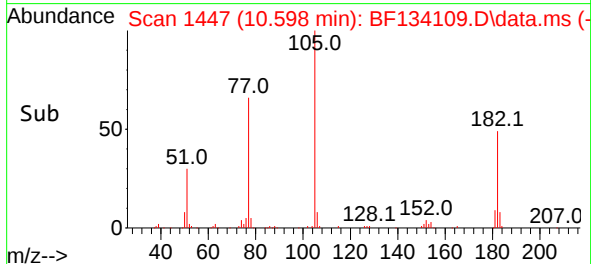
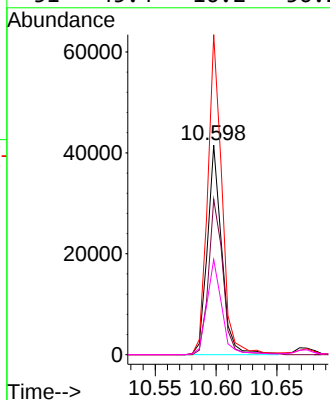
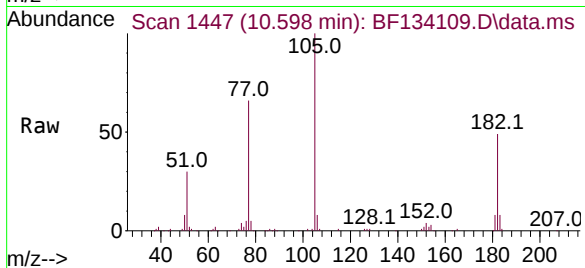




#63  
Azobenzene  
Concen: 2.649 ng  
RT: 10.598 min Scan# 1447  
Delta R.T. -0.000 min  
Lab File: BF134109.D  
Acq: 06 Jul 2023 21:53

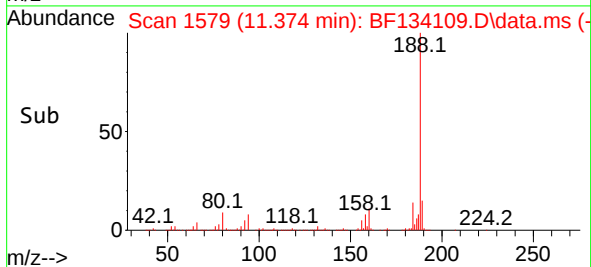
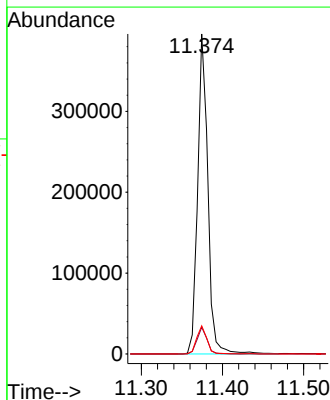
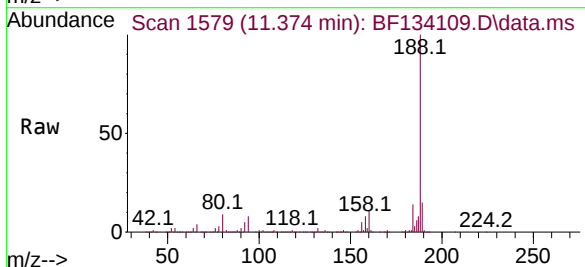
Instrument :  
BNA\_F  
ClientSampleId :  
ALDENE-COMP-1

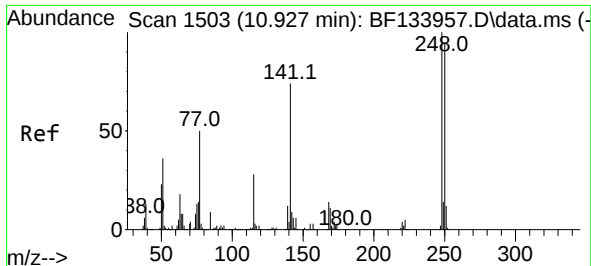
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 34097 |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 182 74.1    | 6.8 46.8#   |
| 105 152.6   | 2.3 42.3#   |
| 51 45.4     | 16.2 56.2   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.374 min Scan# 1579  
Delta R.T. -0.012 min  
Lab File: BF134109.D  
Acq: 06 Jul 2023 21:53

|              |              |
|--------------|--------------|
| Tgt Ion: 188 | Resp: 346667 |
| Ion Ratio    | Lower Upper  |
| 188 100      |              |
| 94 8.3       | 6.4 9.6      |
| 80 8.8       | 7.3 10.9     |

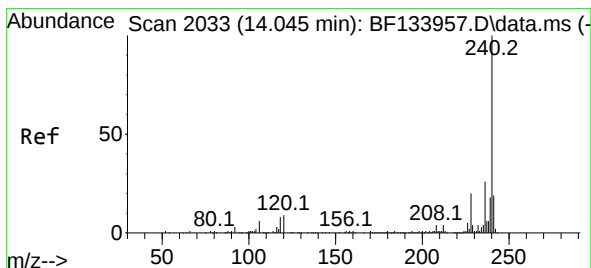
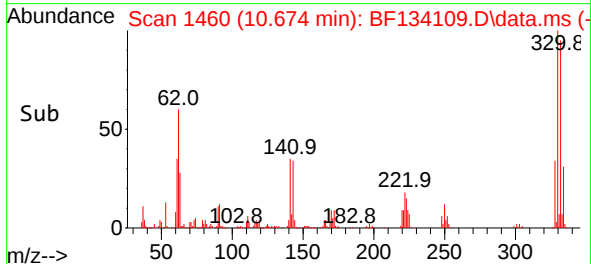
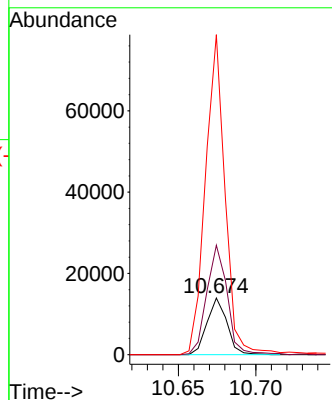
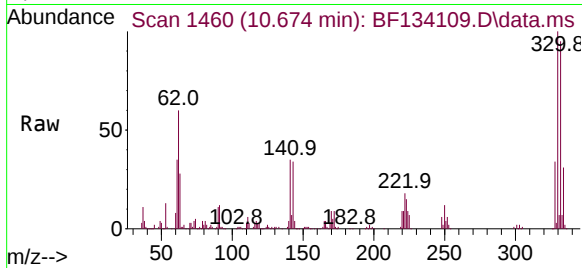




#67  
4-Bromophenyl-phenylether  
Concen: 3.400 ng  
RT: 10.674 min Scan# 1460  
Delta R.T. -0.253 min  
Lab File: BF134109.D  
Acq: 06 Jul 2023 21:53

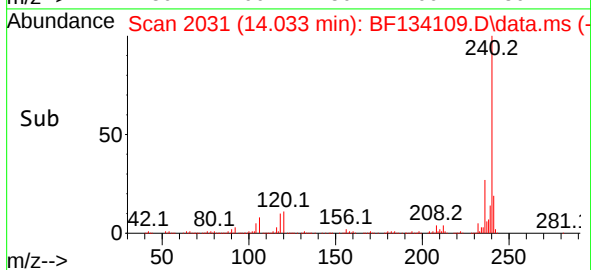
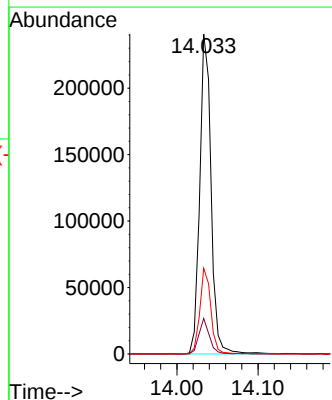
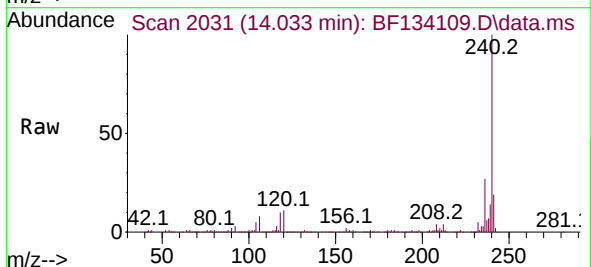
Instrument :  
BNA\_F  
ClientSampleId :  
ALDENE-COMP-1

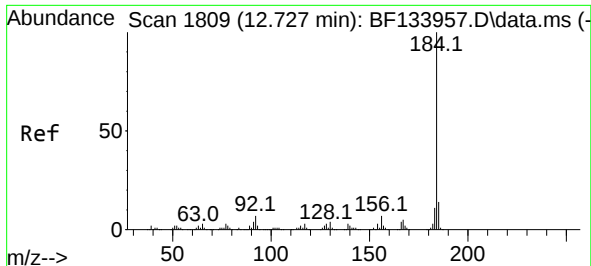
Tgt Ion:248 Resp: 12529  
Ion Ratio Lower Upper  
248 100  
250 192.9 76.2 114.4#  
141 564.2 59.0 88.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.018 min  
Lab File: BF134109.D  
Acq: 06 Jul 2023 21:53

Tgt Ion:240 Resp: 233930  
Ion Ratio Lower Upper  
240 100  
120 11.1 7.4 11.0#  
236 26.7 21.0 31.6

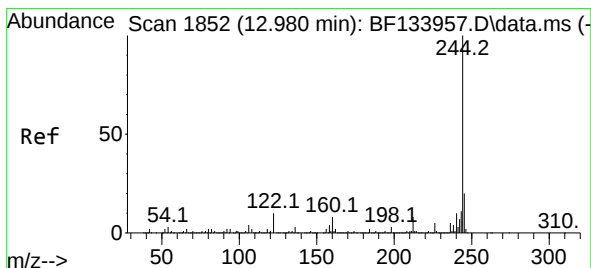
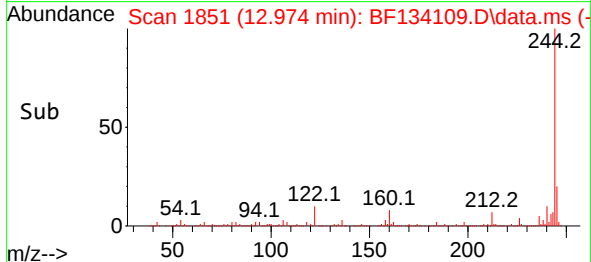
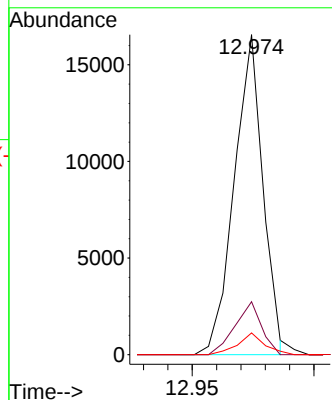
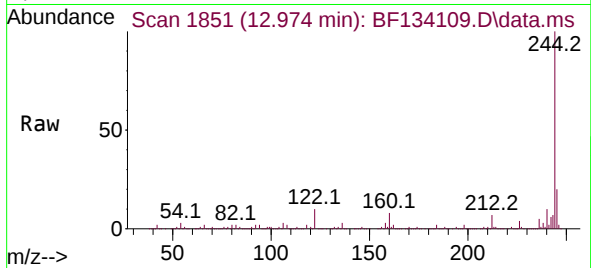




#77  
Benzidine  
Concen: 2.433 ng  
RT: 12.974 min Scan# 1851  
Delta R.T. 0.247 min  
Lab File: BF134109.D  
Acq: 06 Jul 2023 21:53

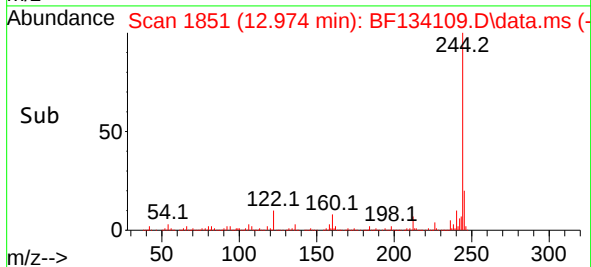
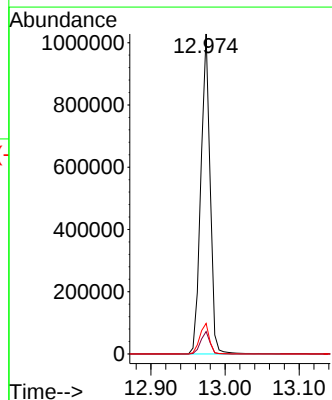
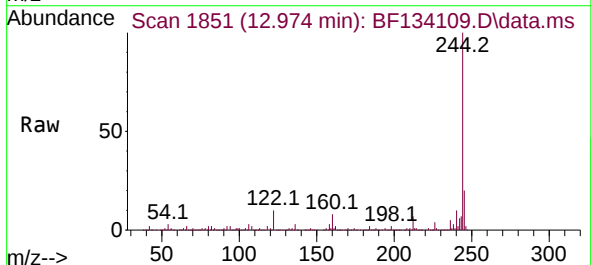
Instrument :  
BNA\_F  
ClientSampleId :  
ALDENE-COMP-1

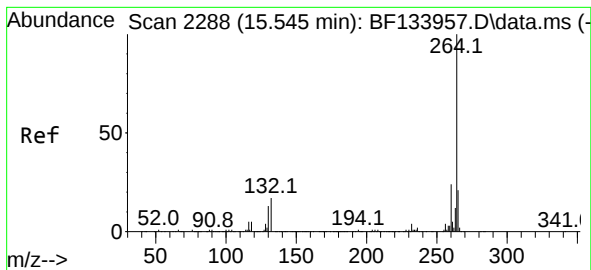
Tgt Ion:184 Resp: 13543  
Ion Ratio Lower Upper  
184 100  
185 16.6 11.6 17.4  
183 6.8 8.8 13.2#



#79  
Terphenyl-d14  
Concen: 61.302 ng  
RT: 12.974 min Scan# 1851  
Delta R.T. -0.012 min  
Lab File: BF134109.D  
Acq: 06 Jul 2023 21:53

Tgt Ion:244 Resp: 891023  
Ion Ratio Lower Upper  
244 100  
212 7.0 6.0 9.0  
122 9.6 8.3 12.5





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.539 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BF134109.D  
 Acq: 06 Jul 2023 21:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ALDENE-COMP-1

Tgt Ion:264 Resp: 189958  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 19.5 29.3  
 265 20.5 16.6 25.0

