

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082123\  
 Data File : BF134862.D  
 Acq On : 21 Aug 2023 12:08  
 Operator : CG\JU  
 Sample : 04086-18  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP06

Quant Time: Aug 21 17:24:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF080123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 04 09:29:15 2023  
 Response via : Initial Calibration

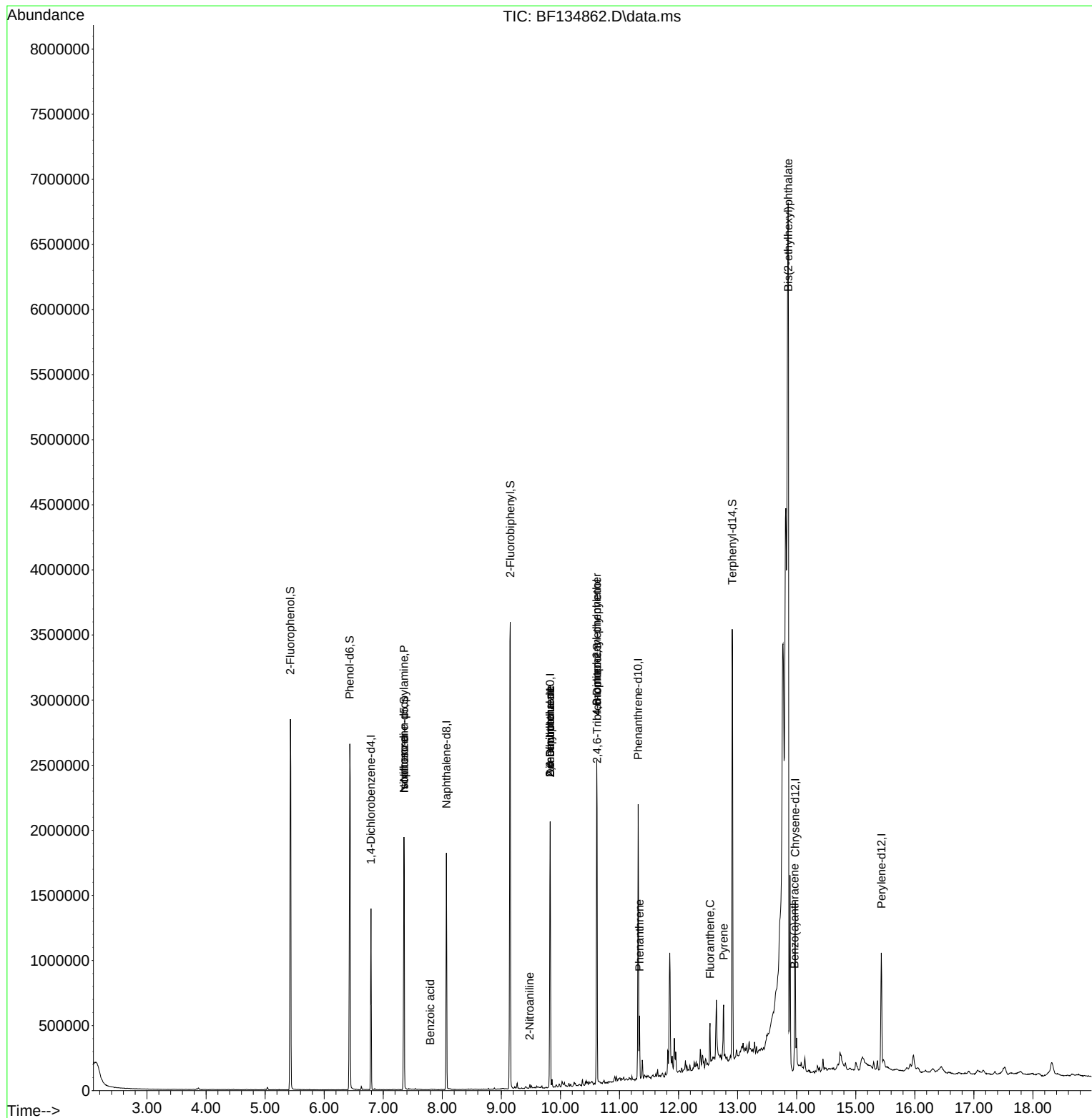
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.792  | 152  | 186704   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 751754   | 20.000    | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 9.827  | 164  | 411124   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 735870   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.974 | 240  | 430561   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 15.433 | 264  | 420265   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 820254   | 66.783    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 1059775  | 67.499    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 655281   | 54.473    | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 326160   | 77.824    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 1222277  | 49.432    | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.910 | 244  | 1266416  | 51.851    | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.339  | 77   | 430      | Below Cal | #     | 72       |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 88705    | 9.436     | ng    | # 72     |
| 25) Isophorone                | 7.351  | 82   | 650026   | 24.775    | ng    | # 65     |
| 32) Benzoic acid              | 7.798  | 122  | 665      | 7.940     | ng    | 87       |
| 48) 2-Nitroaniline            | 9.480  | 65   | 189      | 3.190     | ng    | # 8      |
| 50) Dimethylphthalate         | 9.827  | 163  | 87071    | 3.107     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.827  | 165  | 52833    | 11.219    | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.827  | 165  | 52833    | 10.017    | ng    | # 18     |
| 65) 4,6-Dinitro-2-methylph... | 10.616 | 198  | 581      | 8.859     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.616 | 248  | 21368    | 2.653     | ng    | # 1      |
| 71) Phenanthrene              | 11.339 | 178  | 157636   | 4.033     | ng    | 99       |
| 75) Fluoranthene              | 12.533 | 202  | 119358   | 2.891     | ng    | 97       |
| 78) Pyrene                    | 12.763 | 202  | 185821   | 4.988     | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.962 | 228  | 61890    | 2.010     | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.857 | 149  | 5625316  | 379.429   | ng    | # 53     |
| -----                         |        |      |          |           |       |          |

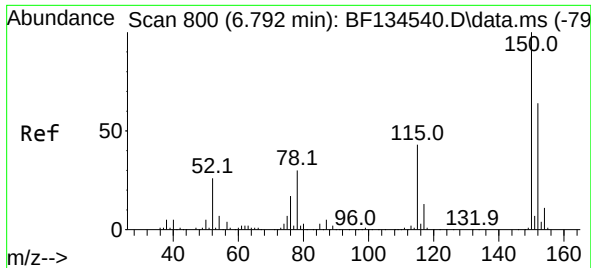
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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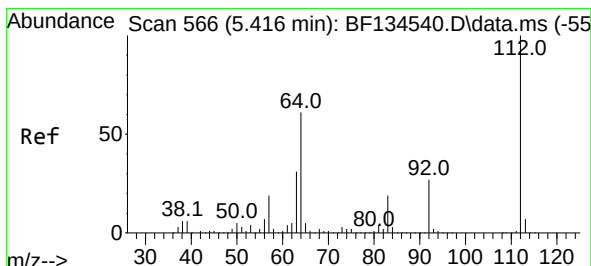
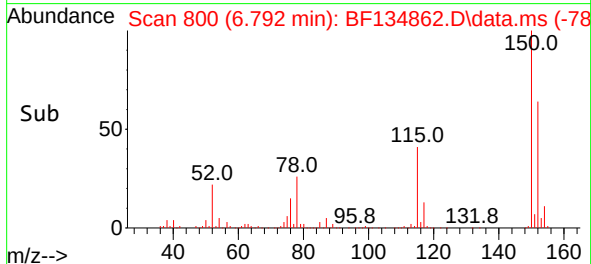
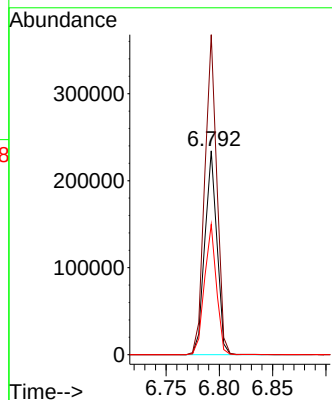
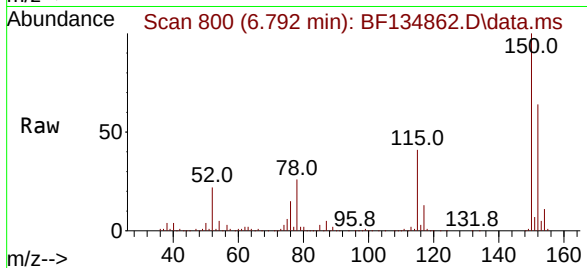




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.792 min Scan# 800  
 Delta R.T. -0.006 min  
 Lab File: BF134862.D  
 Acq: 21 Aug 2023 12:08

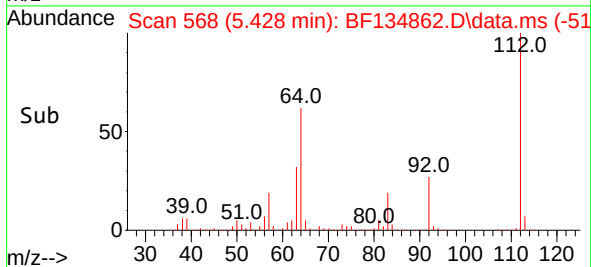
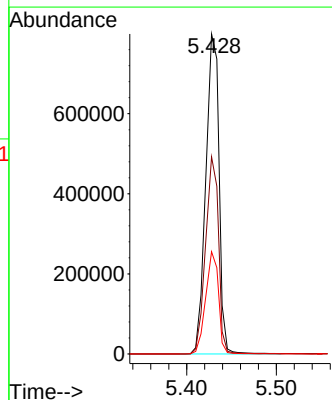
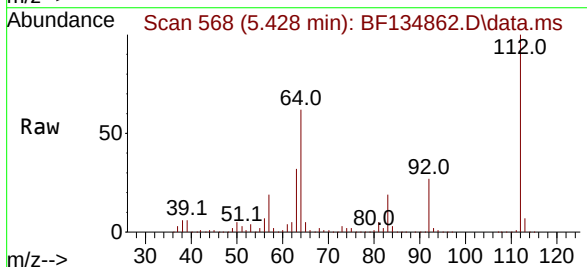
Instrument :  
 BNA\_F  
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 DUP06

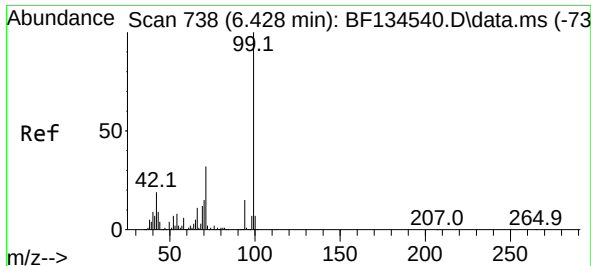
Tgt Ion:152 Resp: 186704  
 Ion Ratio Lower Upper  
 152 100  
 150 156.9 128.3 192.5  
 115 63.8 52.4 78.6



#5  
 2-Fluorophenol  
 Concen: 66.783 ng  
 RT: 5.428 min Scan# 568  
 Delta R.T. -0.000 min  
 Lab File: BF134862.D  
 Acq: 21 Aug 2023 12:08

Tgt Ion:112 Resp: 820254  
 Ion Ratio Lower Upper  
 112 100  
 64 61.6 44.9 67.3  
 63 31.9 25.4 38.0

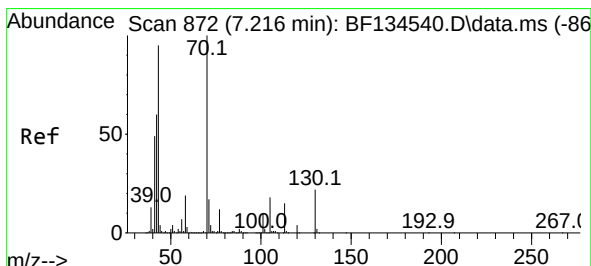
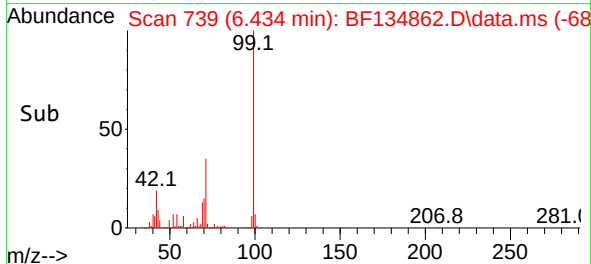
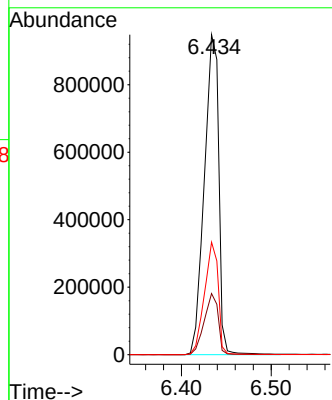
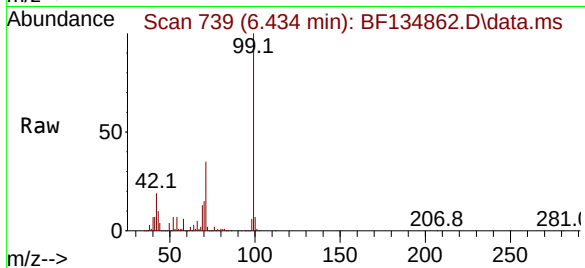




#7  
Phenol-d6  
Concen: 67.499 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

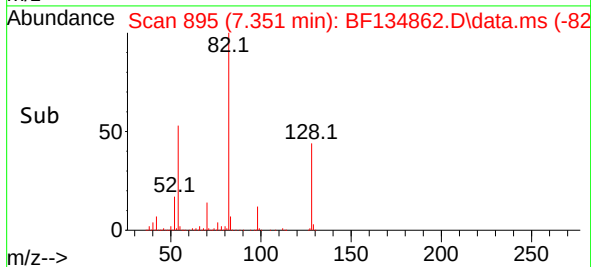
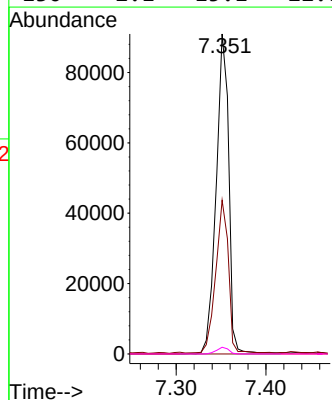
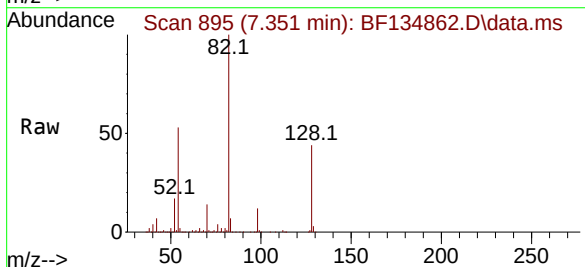
Instrument :  
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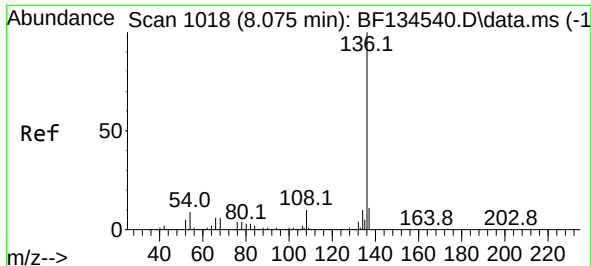
Tgt Ion: 99 Resp: 1059775  
Ion Ratio Lower Upper  
99 100  
42 19.1 18.7 28.1  
71 35.1 36.4 54.6#



#19  
n-Nitroso-di-n-propylamine  
Concen: 9.436 ng  
RT: 7.351 min Scan# 895  
Delta R.T. 0.129 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

Tgt Ion: 70 Resp: 88705  
Ion Ratio Lower Upper  
70 100  
42 48.0 54.7 82.1#  
101 0.0 8.2 12.2#  
130 2.1 15.1 22.7#

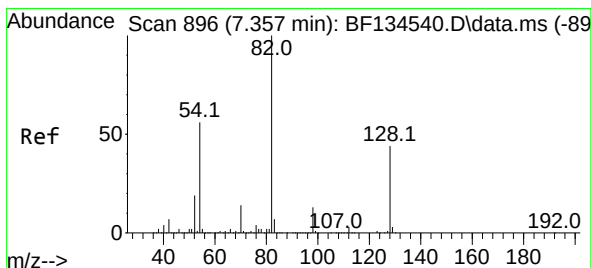
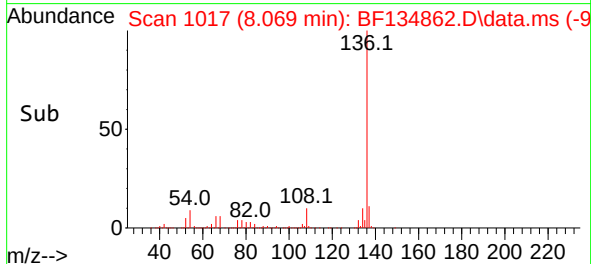
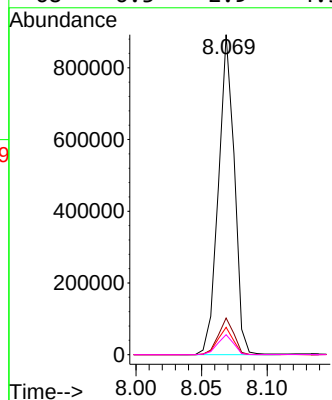
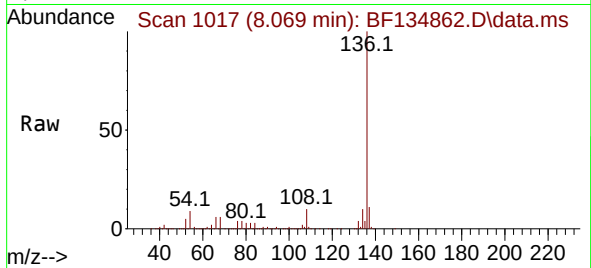




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1017  
Delta R.T. -0.012 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

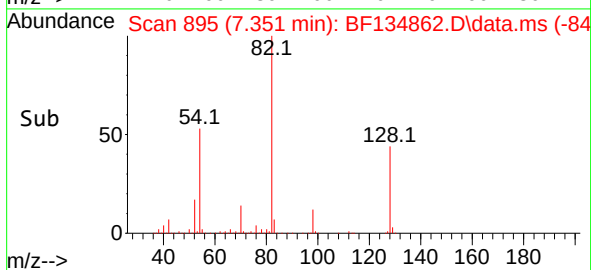
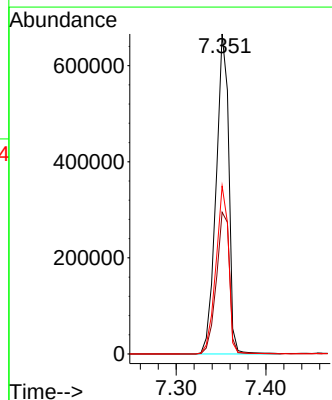
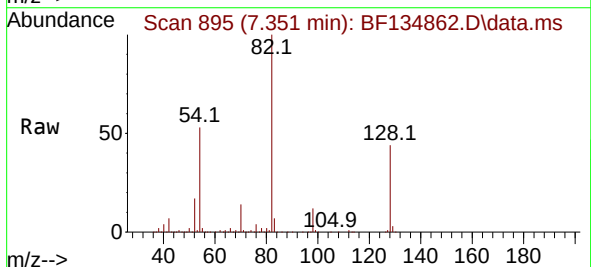
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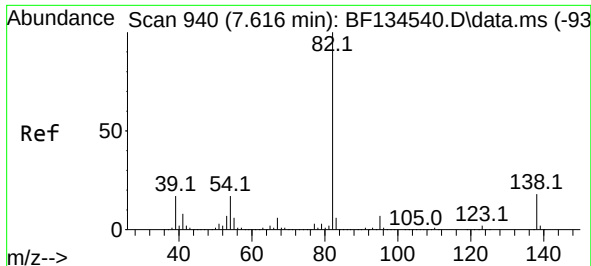
Tgt Ion:136 Resp: 751754  
Ion Ratio Lower Upper  
136 100  
137 11.5 8.4 12.6  
54 8.6 5.2 7.8#  
68 6.3 2.9 4.3#



#23  
Nitrobenzene-d5  
Concen: 54.473 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.018 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

Tgt Ion: 82 Resp: 655281  
Ion Ratio Lower Upper  
82 100  
128 44.3 34.3 51.5  
54 52.5 43.8 65.6

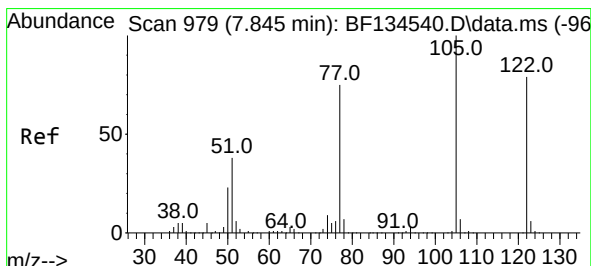
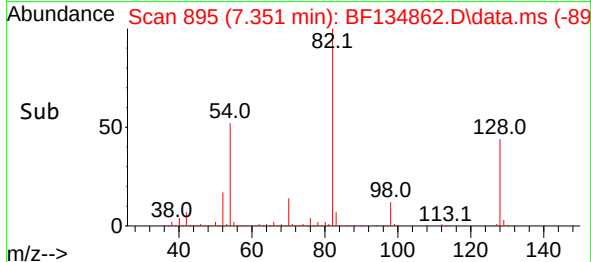
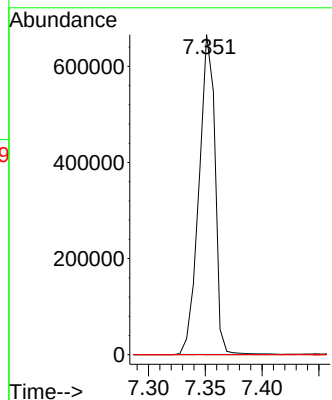
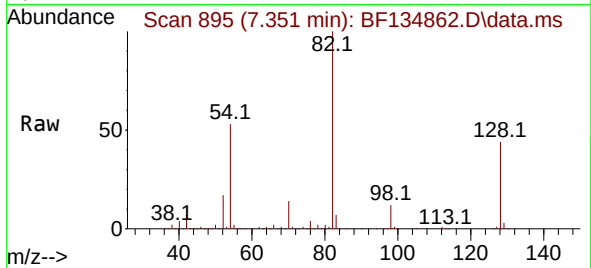




#25  
Isophorone  
Concen: 24.775 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.277 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

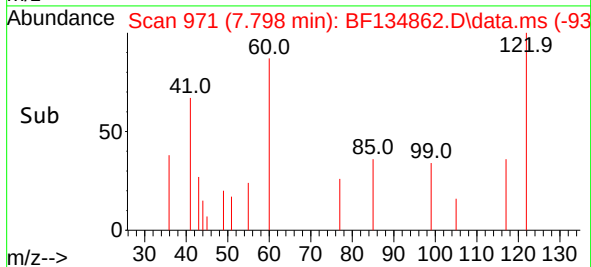
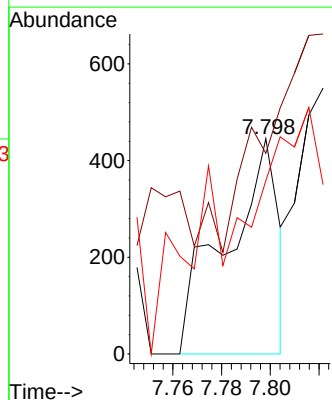
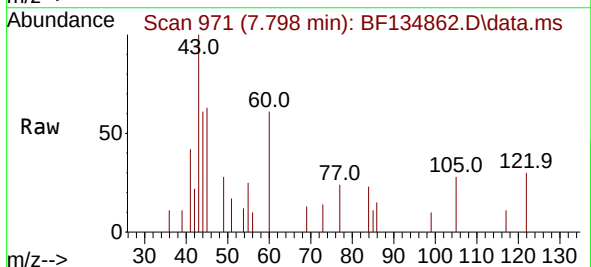
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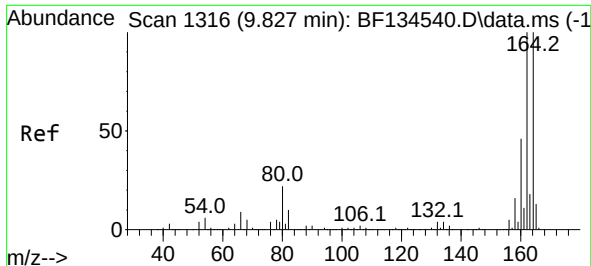
Tgt Ion: 82 Resp: 650026  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.6 22.0#



#32  
Benzoic acid  
Concen: 7.940 ng  
RT: 7.798 min Scan# 971  
Delta R.T. -0.065 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

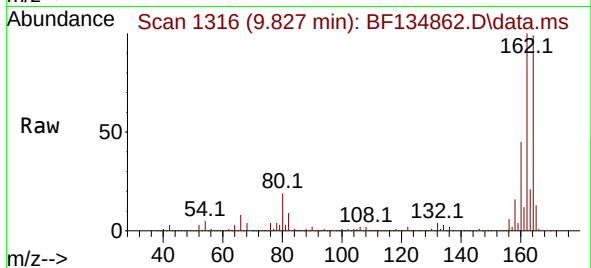
Tgt Ion: 122 Resp: 665  
Ion Ratio Lower Upper  
122 100  
105 93.3 87.5 127.5  
77 80.4 71.4 111.4



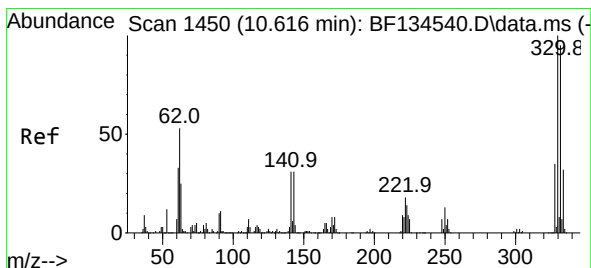
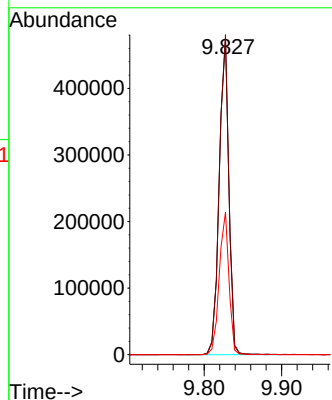
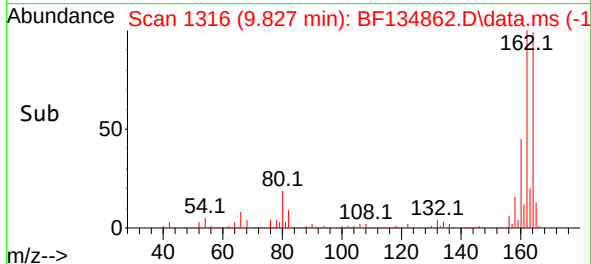


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.827 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

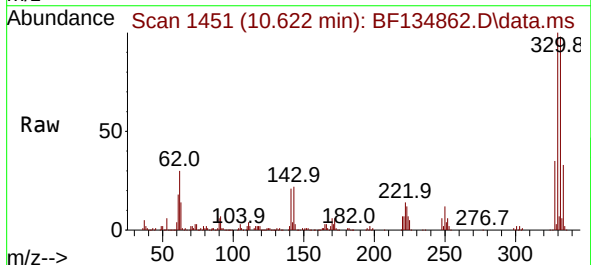
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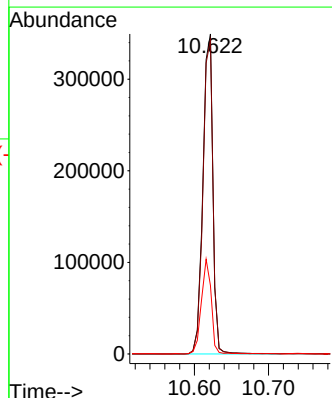
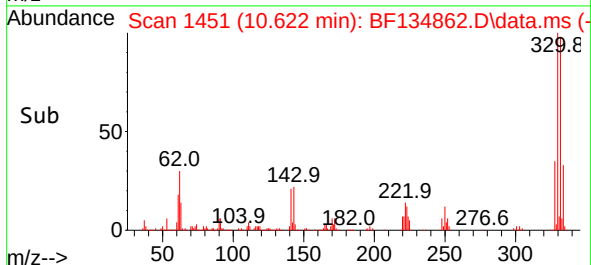
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Ion Ratio Lower Upper  
164 100  
162 101.3 82.6 123.8  
160 45.1 37.2 55.8

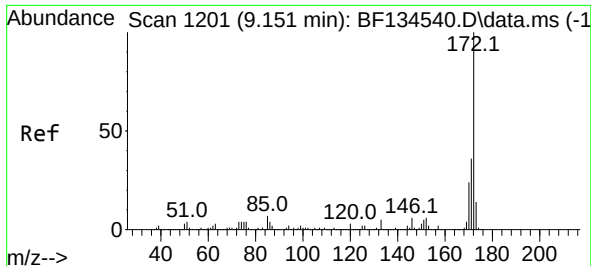


#42  
2,4,6-Tribromophenol  
Concen: 77.824 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08



Tgt Ion:330 Resp: 326160  
Ion Ratio Lower Upper  
330 100  
332 97.8 78.8 118.2  
141 29.5 25.4 38.2

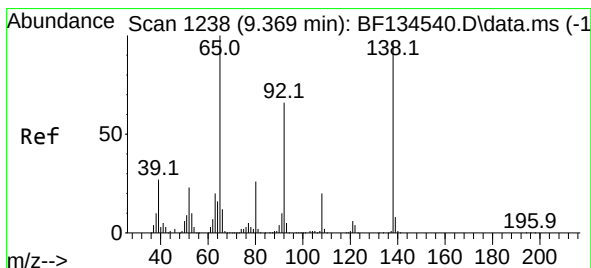
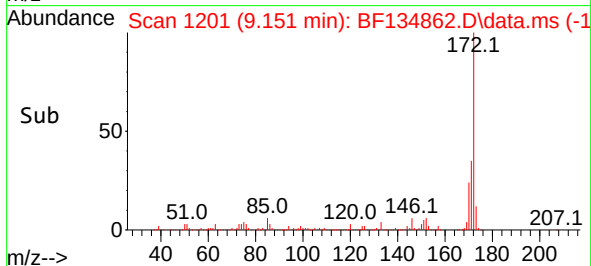
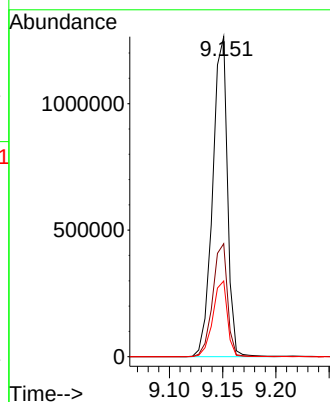
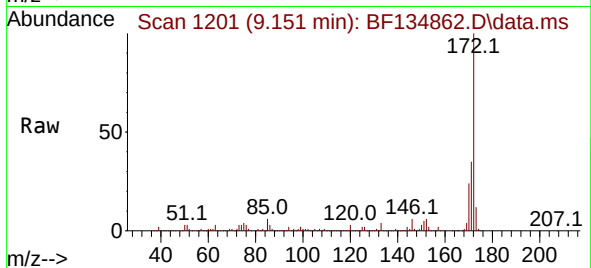




#45  
2-Fluorobiphenyl  
Concen: 49.432 ng  
RT: 9.151 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

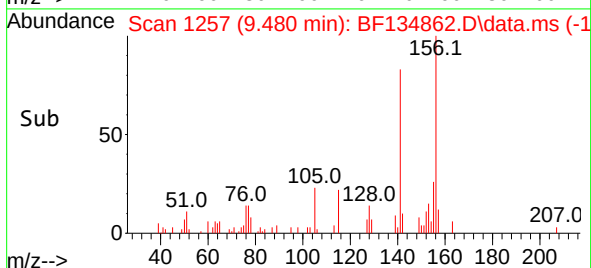
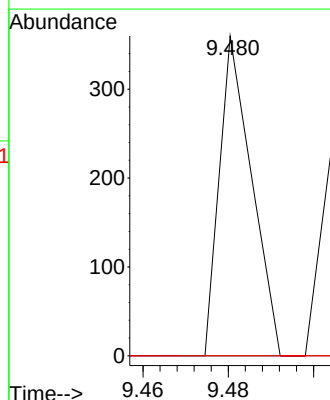
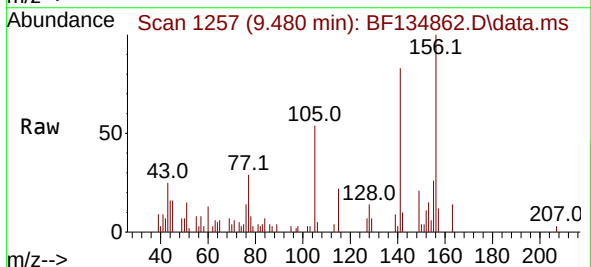
Instrument :  
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Tgt Ion:172 Resp: 1222277  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.8 43.2  
170 23.7 18.7 28.1

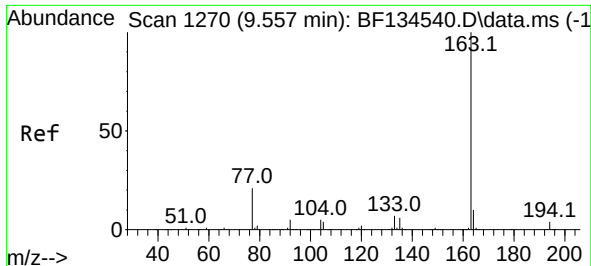


#48  
2-Nitroaniline  
Concen: 3.190 ng  
RT: 9.480 min Scan# 1257  
Delta R.T. 0.100 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

Tgt Ion: 65 Resp: 189  
Ion Ratio Lower Upper  
65 100  
92 0.0 50.7 76.1#  
138 0.0 78.2 117.4#



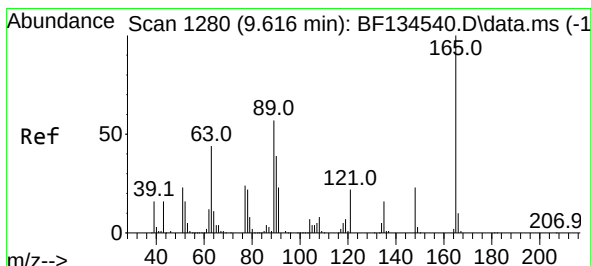
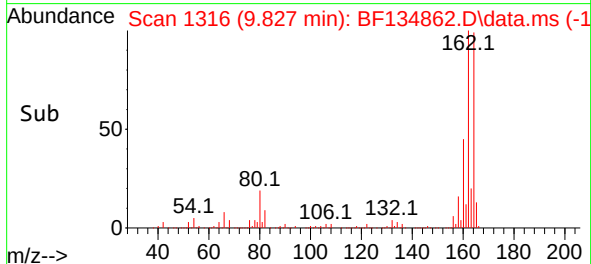
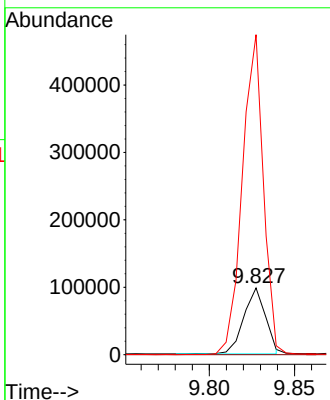
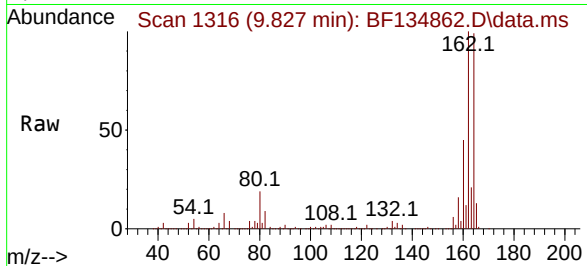




#50  
Dimethylphthalate  
Concen: 3.107 ng  
RT: 9.827 min Scan# 1316  
Delta R.T. 0.259 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

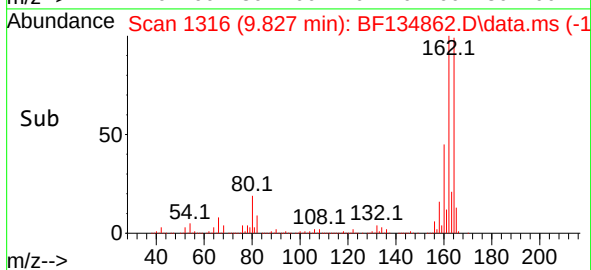
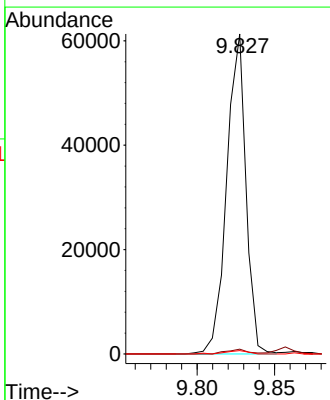
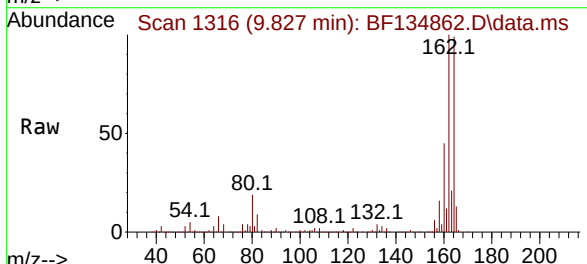
Instrument :  
BNA\_F  
ClientSampleId :  
DUP06

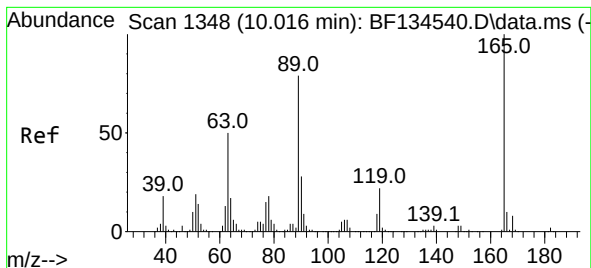
Tgt Ion:163 Resp: 87071  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 479.3 7.5 11.3#



#51  
2,6-Dinitrotoluene  
Concen: 11.219 ng  
RT: 9.827 min Scan# 1316  
Delta R.T. 0.200 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

Tgt Ion:165 Resp: 52833  
Ion Ratio Lower Upper  
165 100  
63 1.5 57.8 86.6#  
89 1.1 51.8 77.8#

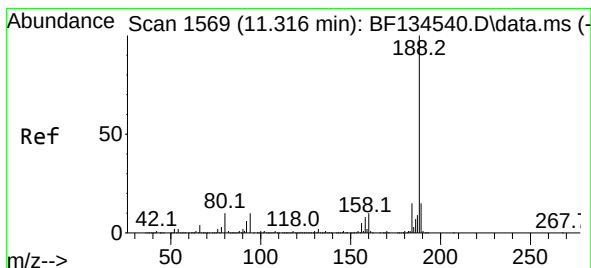
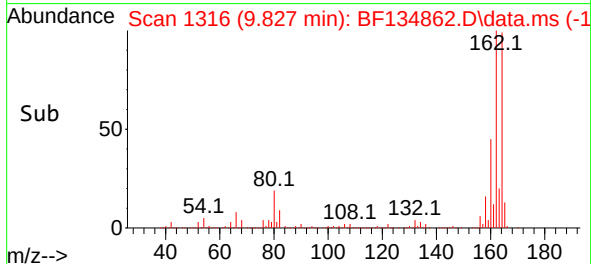
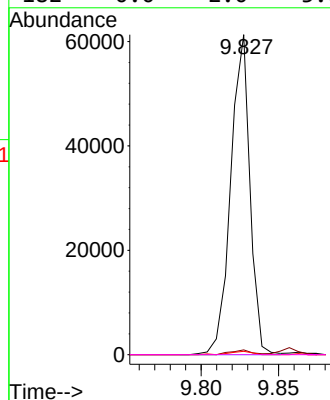
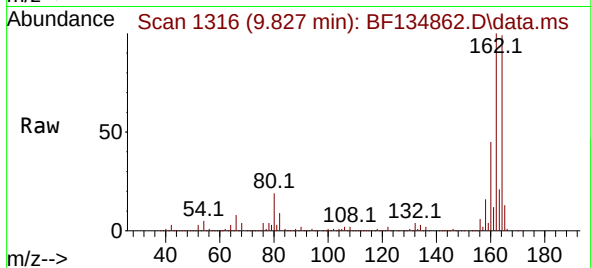




#57  
2,4-Dinitrotoluene  
Concen: 10.017 ng  
RT: 9.827 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

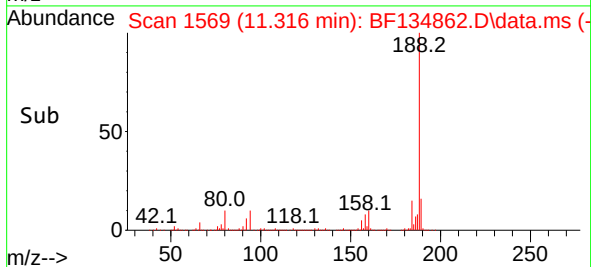
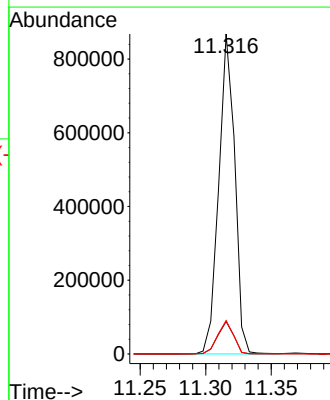
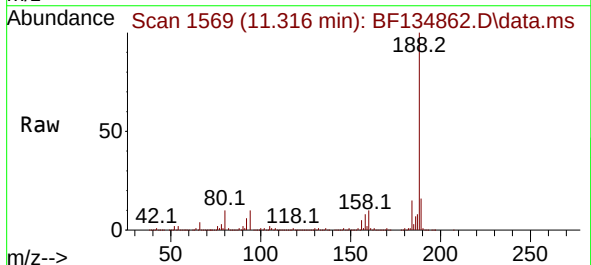
Instrument :  
BNA\_F  
ClientSampleId :  
DUP06

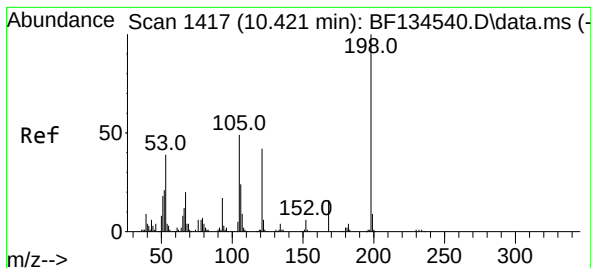
Tgt Ion:165 Resp: 52833  
Ion Ratio Lower Upper  
165 100  
63 1.5 48.9 73.3#  
89 1.1 61.7 92.5#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. -0.006 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

Tgt Ion:188 Resp: 735870  
Ion Ratio Lower Upper  
188 100  
94 10.1 5.1 7.7#  
80 10.4 6.6 9.8#

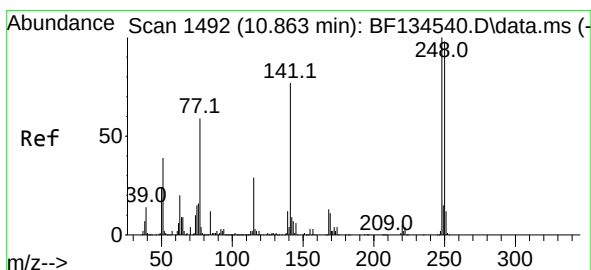
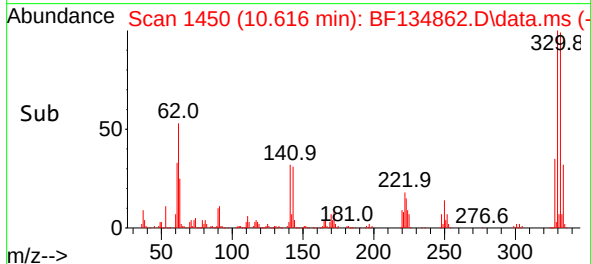
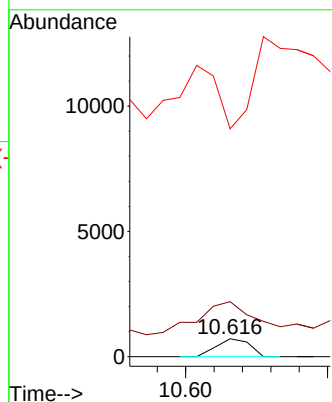
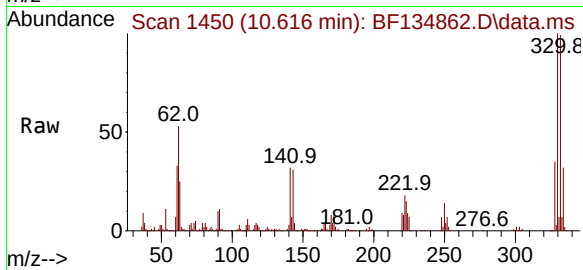




#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.859 ng  
RT: 10.616 min Scan# 1417  
Delta R.T. 0.176 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

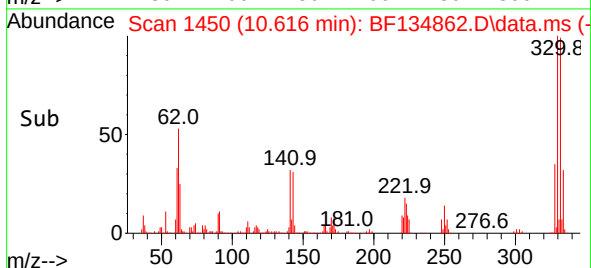
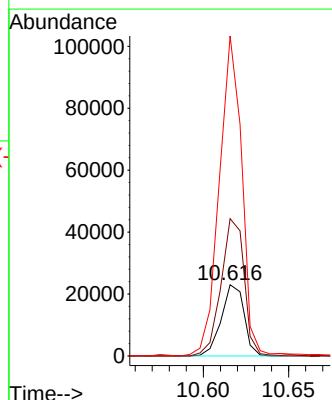
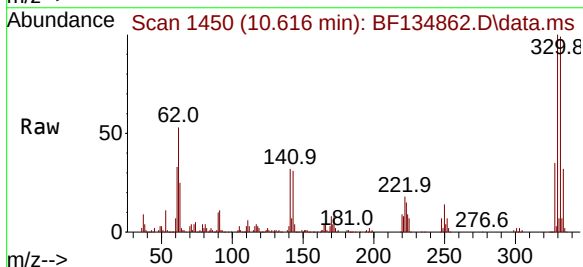
Instrument :  
BNA\_F  
ClientSampleId :  
DUP06

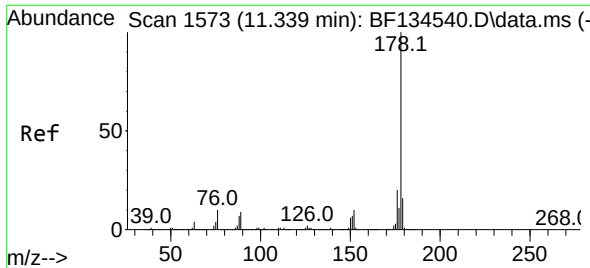
Tgt Ion:198 Resp: 581  
Ion Ratio Lower Upper  
198 100  
51 307.7 38.6 78.6#  
105 1273.5 27.9 67.9#



#67  
4-Bromophenyl-phenylether  
Concen: 2.653 ng  
RT: 10.616 min Scan# 1450  
Delta R.T. -0.253 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

Tgt Ion:248 Resp: 21368  
Ion Ratio Lower Upper  
248 100  
250 192.8 79.6 119.4#  
141 449.5 59.6 89.4#

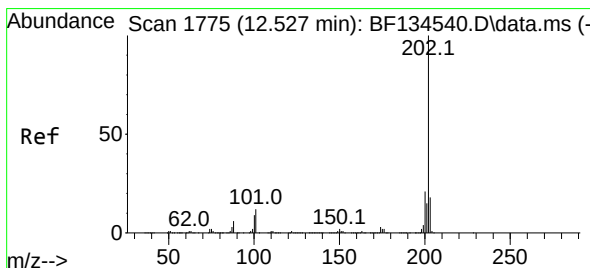
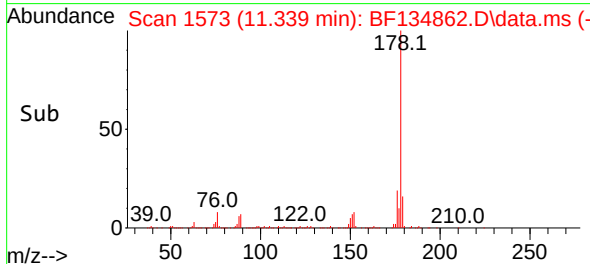
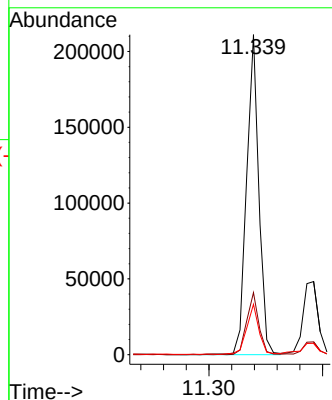
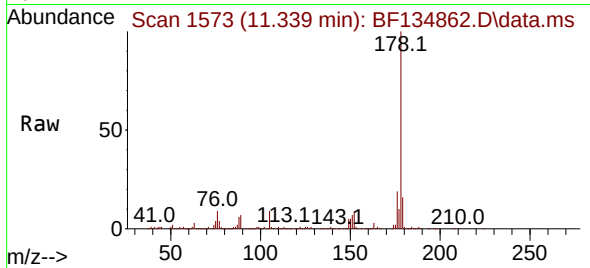




#71  
Phenanthrene  
Concen: 4.033 ng  
RT: 11.339 min Scan# 1573  
Delta R.T. -0.012 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

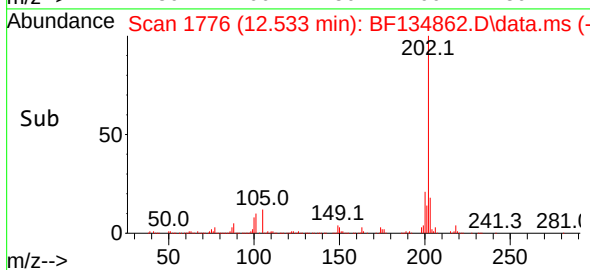
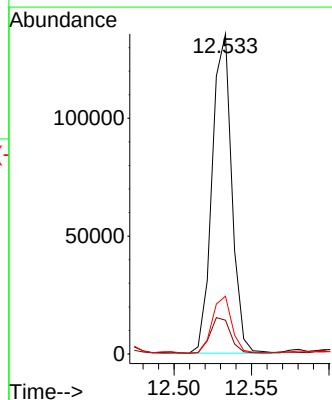
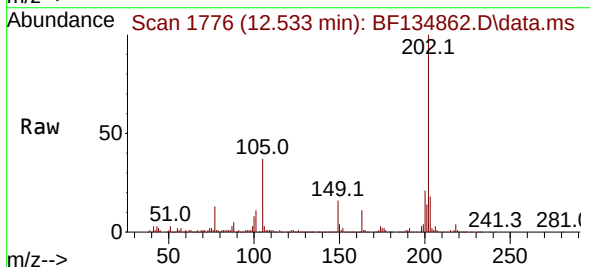
Instrument :  
BNA\_F  
ClientSampleId :  
DUP06

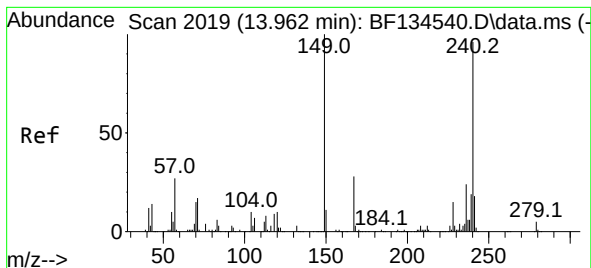
Tgt Ion:178 Resp: 157636  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.8 23.6  
179 15.8 12.7 19.1



#75  
Fluoranthene  
Concen: 2.891 ng  
RT: 12.533 min Scan# 1776  
Delta R.T. -0.006 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

Tgt Ion:202 Resp: 119358  
Ion Ratio Lower Upper  
202 100  
101 10.6 0.0 28.5  
203 18.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF134862.D

Acq: 21 Aug 2023 12:08

Instrument :

BNA\_F

ClientSampleId :

DUP06

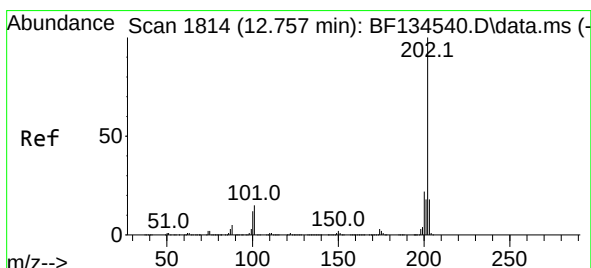
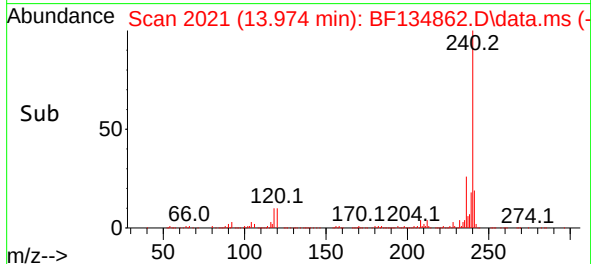
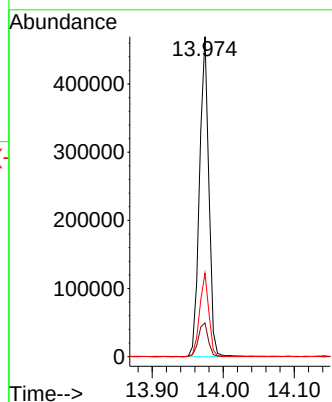
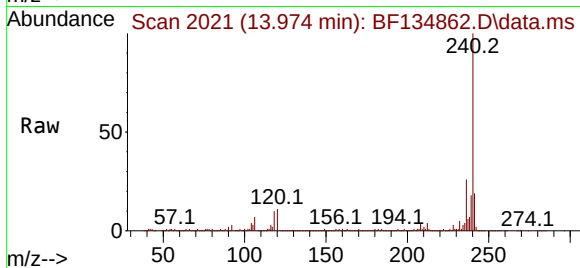
Tgt Ion:240 Resp: 430561

Ion Ratio Lower Upper

240 100

120 10.5 6.6 10.0#

236 26.1 20.2 30.2



#78

Pyrene

Concen: 4.988 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134862.D

Acq: 21 Aug 2023 12:08

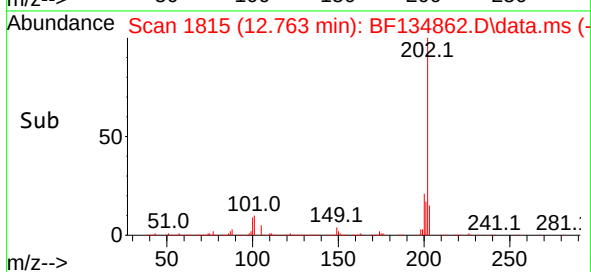
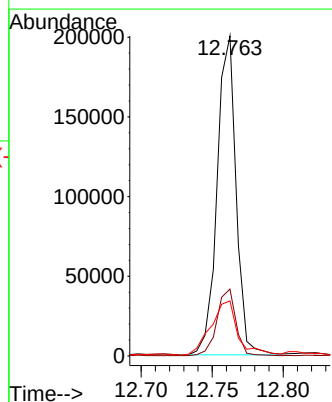
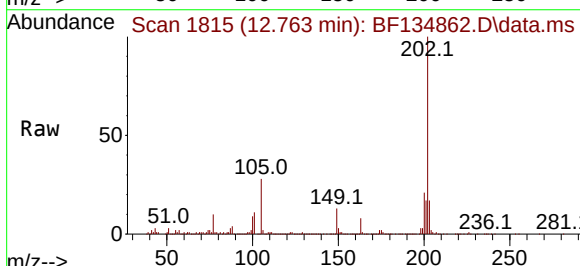
Tgt Ion:202 Resp: 185821

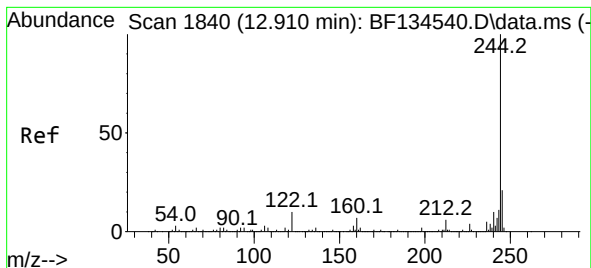
Ion Ratio Lower Upper

202 100

200 20.9 15.8 23.8

203 17.2 13.5 20.3





#79

Terphenyl-d14

Concen: 51.851 ng

RT: 12.910 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134862.D

Acq: 21 Aug 2023 12:08

Instrument :

BNA\_F

ClientSampleId :

DUP06

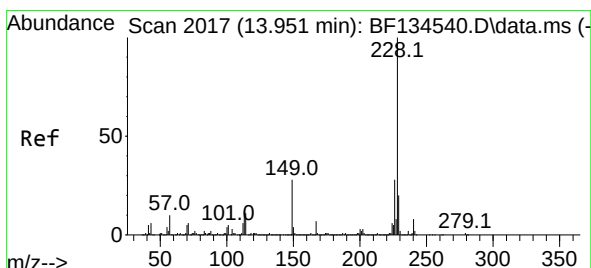
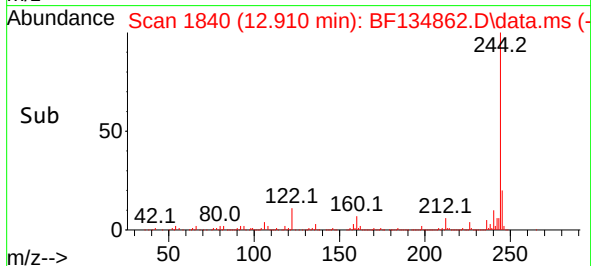
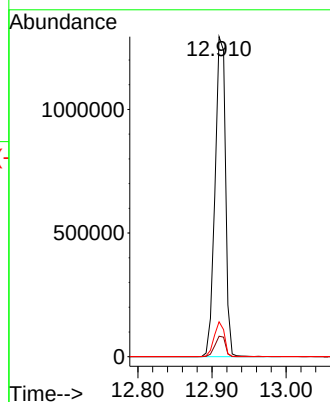
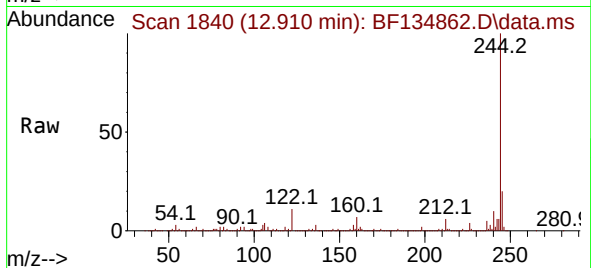
Tgt Ion:244 Resp: 1266416

Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

122 10.9 8.0 12.0



#81

Benzo(a)anthracene

Concen: 2.010 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF134862.D

Acq: 21 Aug 2023 12:08

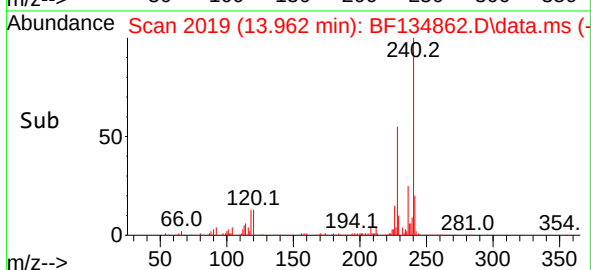
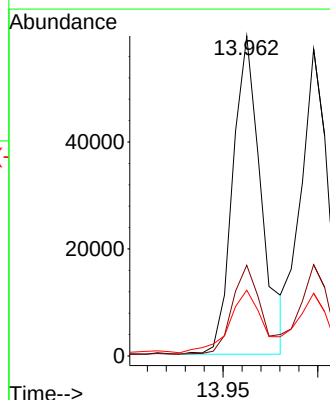
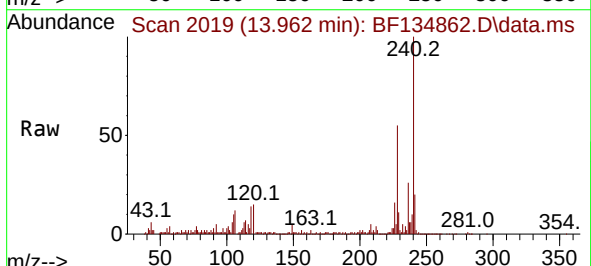
Tgt Ion:228 Resp: 61890

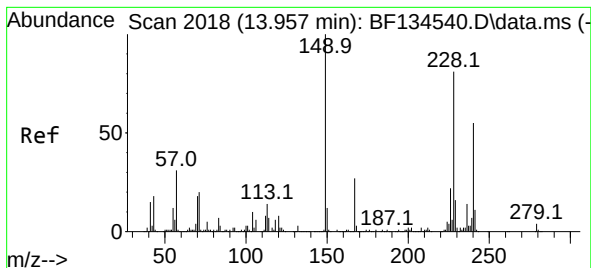
Ion Ratio Lower Upper

228 100

226 28.3 22.3 33.5

229 20.6 15.8 23.6

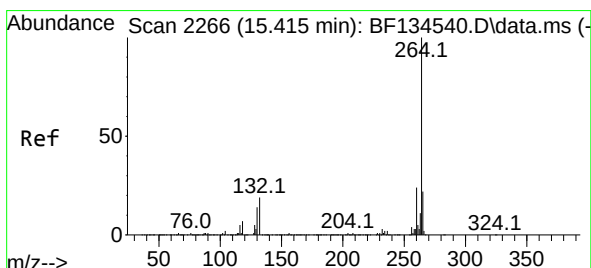
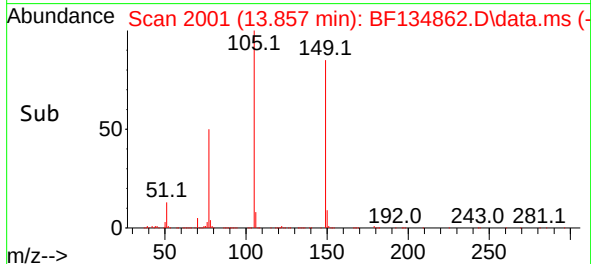
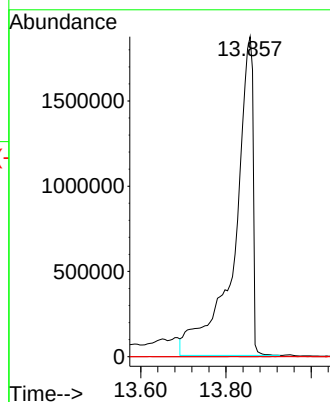
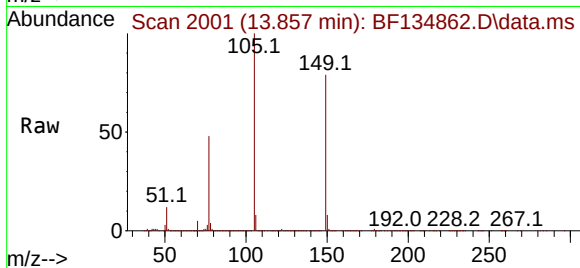




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 379.429 ng  
RT: 13.857 min Scan# 2018  
Delta R.T. -0.106 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

Instrument :  
BNA\_F  
ClientSampleId :  
DUP06

Tgt Ion:149 Resp: 5625316  
Ion Ratio Lower Upper  
149 100  
167 0.0 21.6 32.4#  
279 0.0 3.5 5.3#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.433 min Scan# 2269  
Delta R.T. -0.006 min  
Lab File: BF134862.D  
Acq: 21 Aug 2023 12:08

Tgt Ion:264 Resp: 420265  
Ion Ratio Lower Upper  
264 100  
260 22.6 18.4 27.6  
265 21.4 15.8 23.8

