

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081623\  
 Data File : BF134802.D  
 Acq On : 16 Aug 2023 11:34  
 Operator : CG\JU  
 Sample : 04011-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-03-081423

Quant Time: Aug 17 01:31:02 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

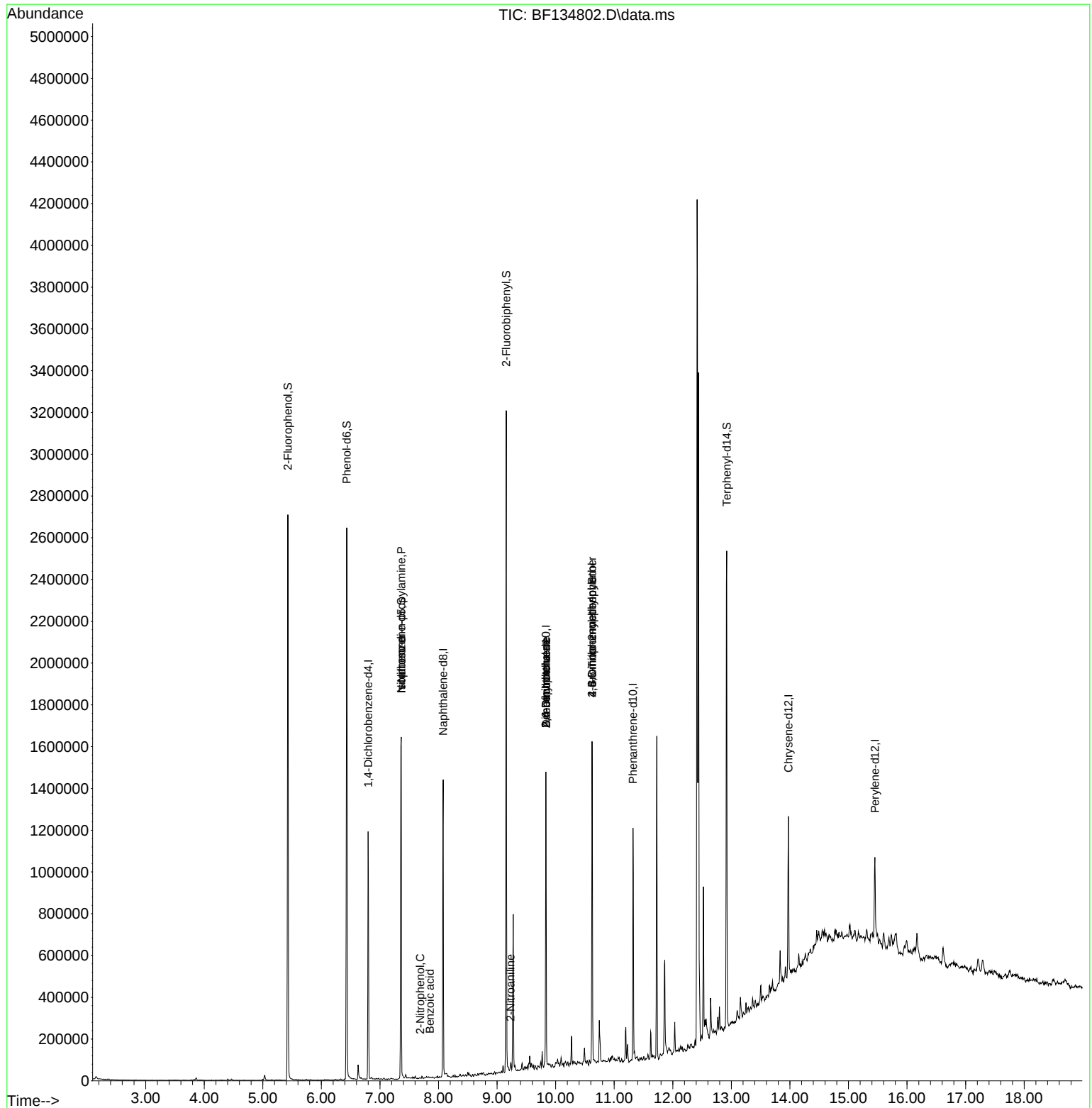
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 163193   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.081  | 136  | 616986   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.833  | 164  | 257186   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.322 | 188  | 403126   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.974 | 240  | 245120   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 15.451 | 264  | 203746   | 20.000    | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 739803   | 68.911    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 922994   | 67.256    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 538174   | 54.510    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 181568   | 69.254    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 924439   | 59.764    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.921 | 244  | 832261   | 59.855    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.357  | 77   | 60       | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.363  | 70   | 71224    | 8.668     | ng    | # 71     |
| 25) Isophorone                | 7.363  | 82   | 528221   | 24.530    | ng    | # 65     |
| 26) 2-Nitrophenol             | 7.687  | 139  | 57       | 4.804     | ng    | # 8      |
| 32) Benzoic acid              | 7.851  | 122  | 97       | 7.880     | ng    | 96       |
| 48) 2-Nitroaniline            | 9.228  | 65   | 324      | 3.231     | ng    | 89       |
| 50) Dimethylphthalate         | 9.833  | 163  | 54184    | 3.091     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.833  | 165  | 33489    | 11.335    | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.833  | 165  | 33489    | 10.112    | ng    | # 18     |
| 65) 4,6-Dinitro-2-methylph... | 10.622 | 198  | 457      | 8.929     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.622 | 248  | 11686    | 2.648     | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

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

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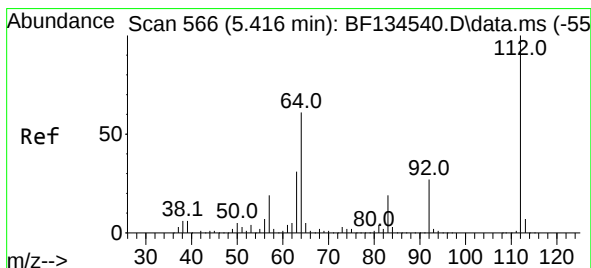
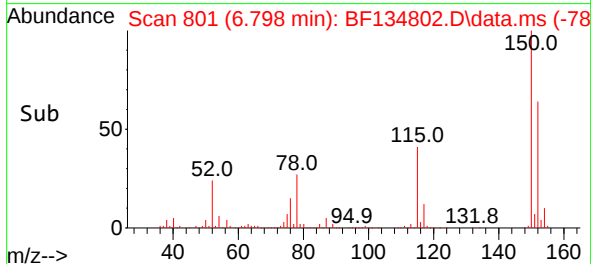
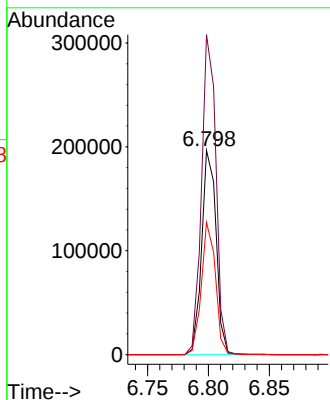
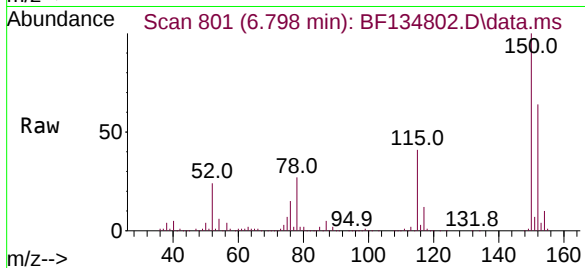




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.798 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

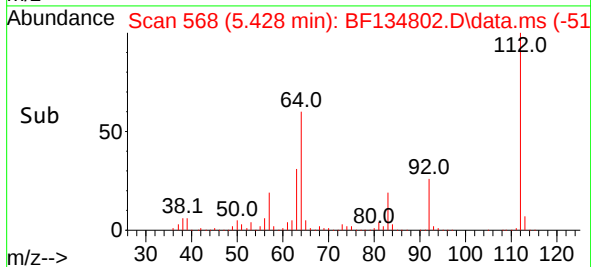
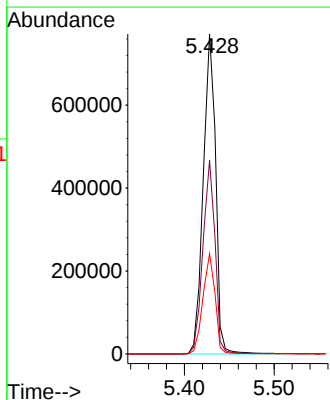
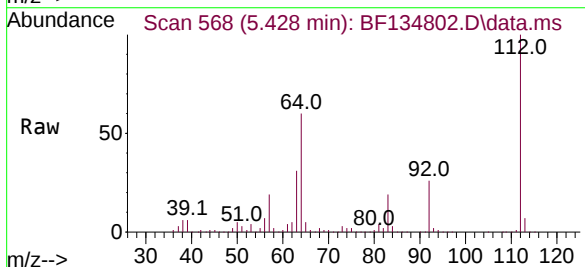
Instrument :  
BNA\_F  
ClientSampleId :  
SU-03-081423

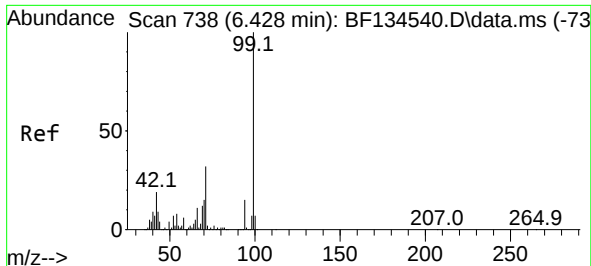
Tgt Ion:152 Resp: 163193  
Ion Ratio Lower Upper  
152 100  
150 156.7 128.3 192.5  
115 64.8 52.4 78.6



#5  
2-Fluorophenol  
Concen: 68.911 ng  
RT: 5.428 min Scan# 568  
Delta R.T. 0.000 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

Tgt Ion:112 Resp: 739803  
Ion Ratio Lower Upper  
112 100  
64 60.5 44.9 67.3  
63 31.3 25.4 38.0

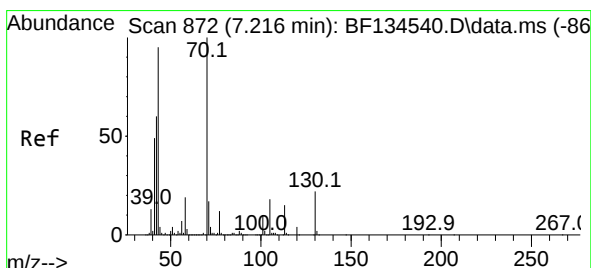
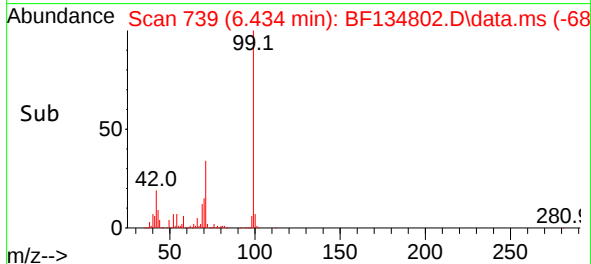
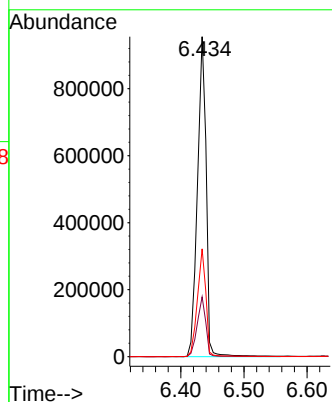
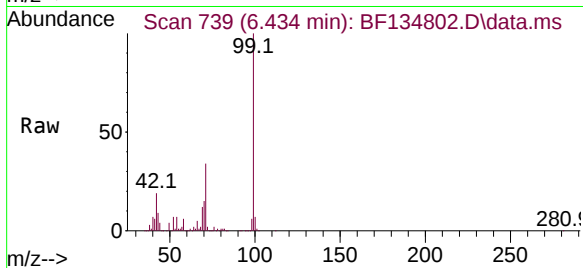




#7  
Phenol-d6  
Concen: 67.256 ng  
RT: 6.434 min Scan# 738  
Delta R.T. -0.006 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

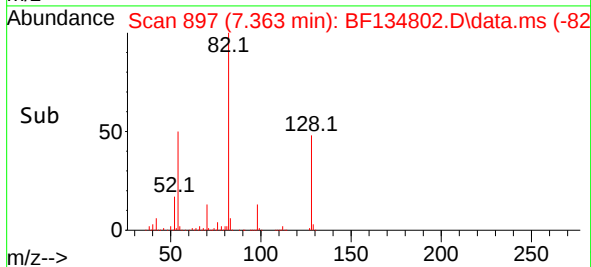
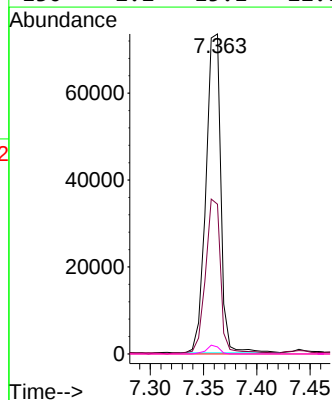
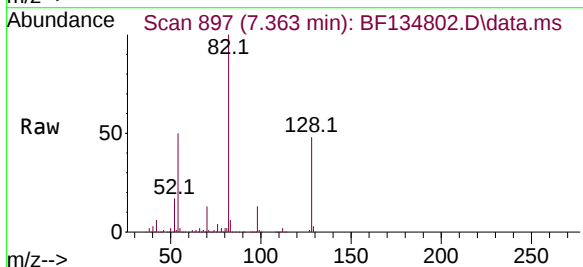
Instrument :  
BNA\_F  
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SU-03-081423

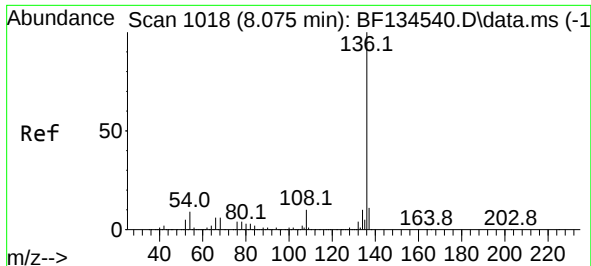
Tgt Ion: 99 Resp: 922994  
Ion Ratio Lower Upper  
99 100  
42 18.7 18.7 28.1#  
71 33.7 36.4 54.6#



#19  
n-Nitroso-di-n-propylamine  
Concen: 8.668 ng  
RT: 7.363 min Scan# 897  
Delta R.T. 0.141 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

Tgt Ion: 70 Resp: 71224  
Ion Ratio Lower Upper  
70 100  
42 46.8 54.7 82.1#  
101 0.0 8.2 12.2#  
130 2.2 15.1 22.7#



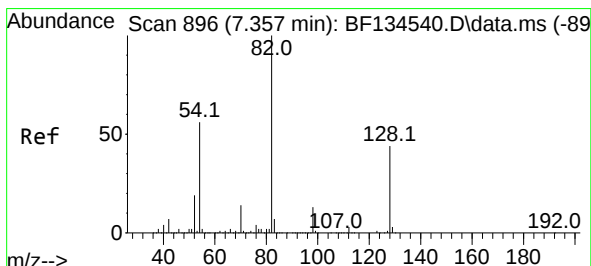
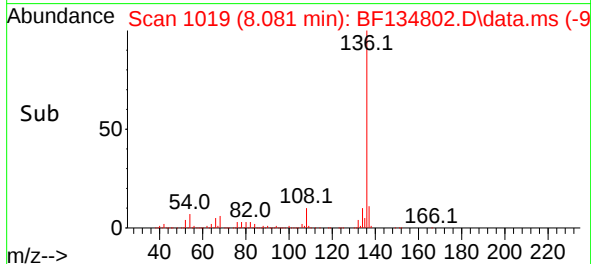
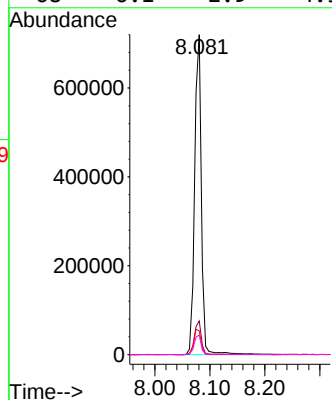
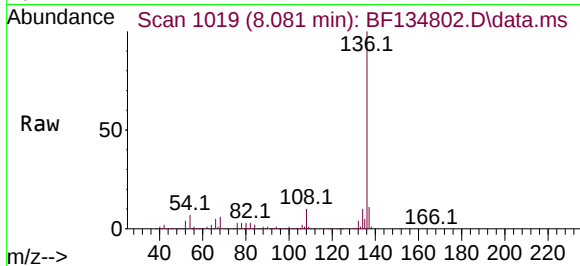


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.081 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

Instrument :  
BNA\_F  
ClientSampleId :  
SU-03-081423

Tgt Ion:136 Resp: 616986

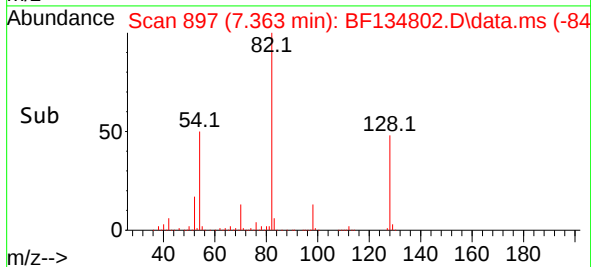
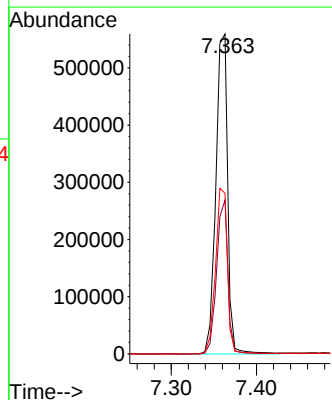
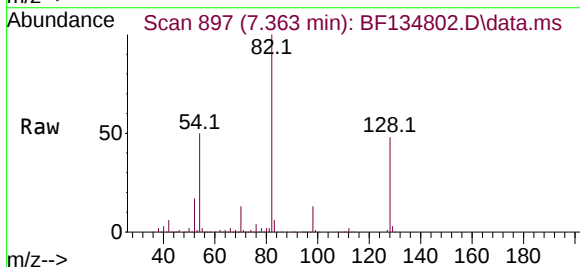
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 8.4   | 12.6  |
| 54  | 7.5   | 5.2   | 7.8   |
| 68  | 6.1   | 2.9   | 4.3   |

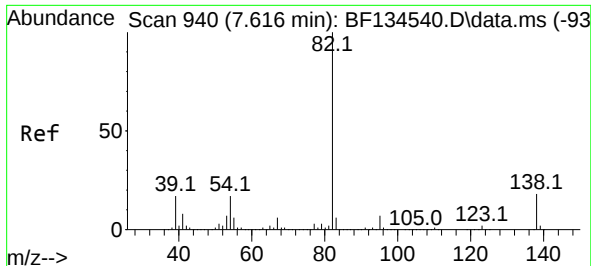


#23  
Nitrobenzene-d5  
Concen: 54.510 ng  
RT: 7.363 min Scan# 897  
Delta R.T. -0.006 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

Tgt Ion: 82 Resp: 538174

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 48.0  | 34.3  | 51.5  |
| 54  | 50.2  | 43.8  | 65.6  |

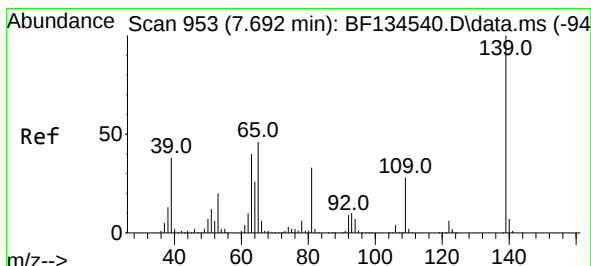
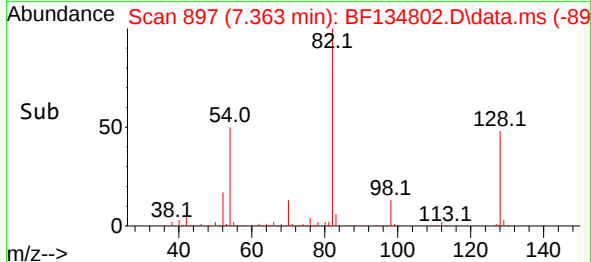
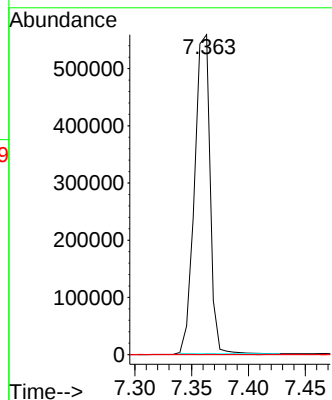
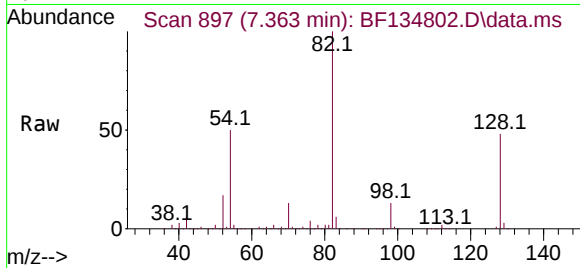




#25  
Isophorone  
Concen: 24.530 ng  
RT: 7.363 min Scan# 89  
Delta R.T. -0.265 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

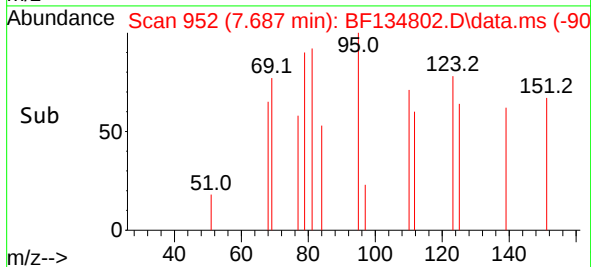
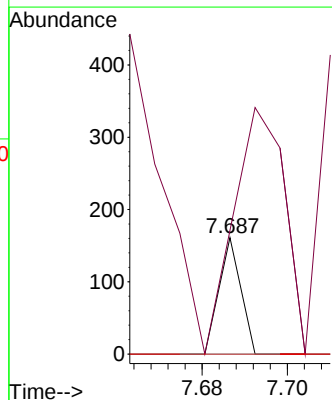
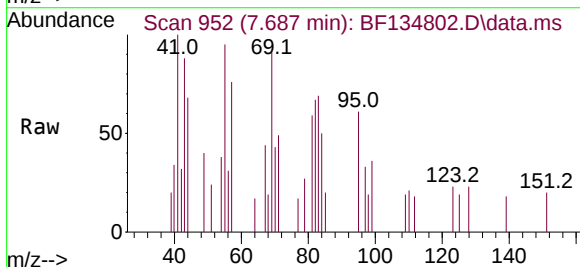
Instrument :  
BNA\_F  
ClientSampleId :  
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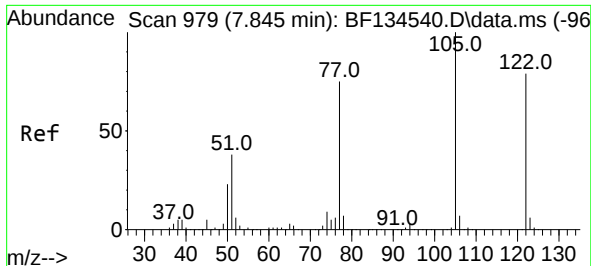
Tgt Ion: 82 Resp: 528221  
Ion Ratio Lower Upper  
82 100  
95 0.1 6.0 9.0#  
138 0.0 14.6 22.0#



#26  
2-Nitrophenol  
Concen: 4.804 ng  
RT: 7.687 min Scan# 952  
Delta R.T. -0.012 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

Tgt Ion: 139 Resp: 57  
Ion Ratio Lower Upper  
139 100  
109 106.2 29.8 44.6#  
65 0.0 45.4 68.2#

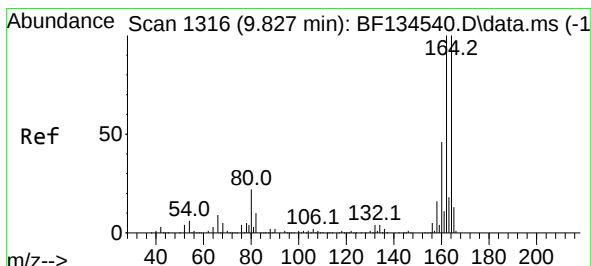
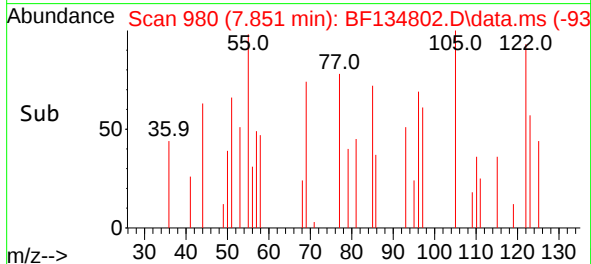
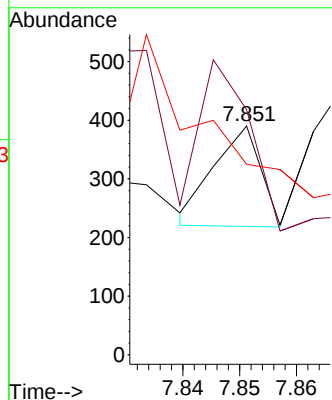
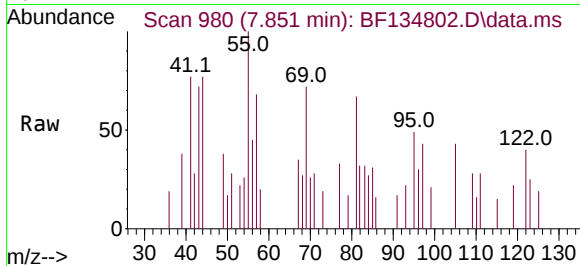




#32  
Benzoic acid  
Concen: 7.880 ng  
RT: 7.851 min Scan# 980  
Delta R.T. -0.012 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

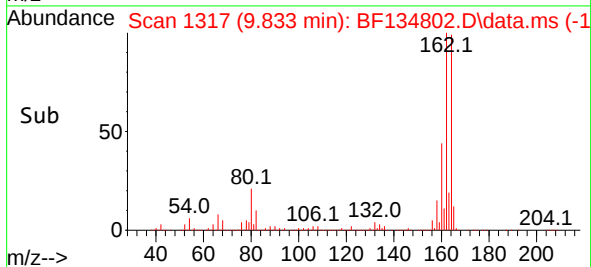
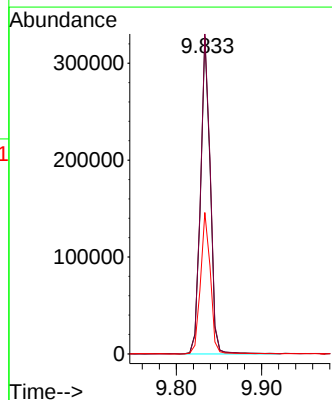
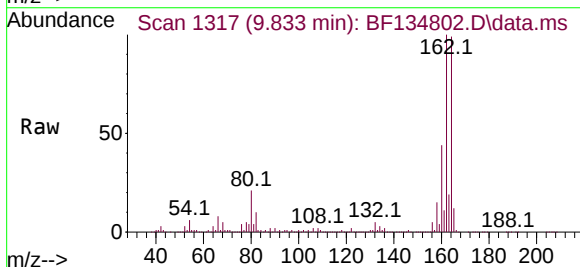
Instrument :  
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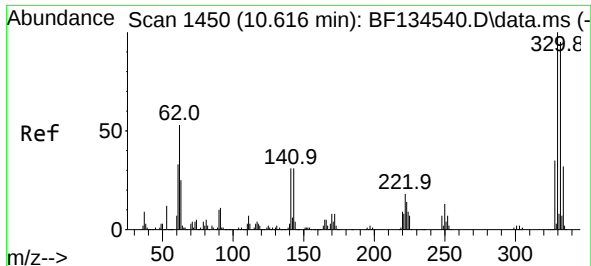
Tgt Ion:122 Resp: 97  
Ion Ratio Lower Upper  
122 100  
105 107.2 87.5 127.5  
77 83.3 71.4 111.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.833 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

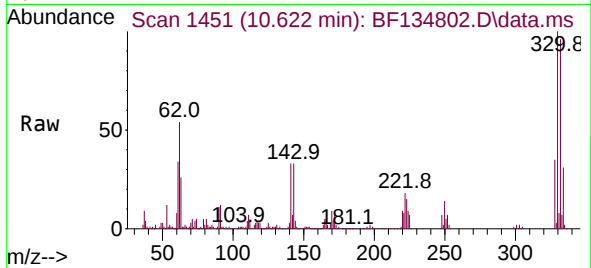
Tgt Ion:164 Resp: 257186  
Ion Ratio Lower Upper  
164 100  
162 100.9 82.6 123.8  
160 44.6 37.2 55.8



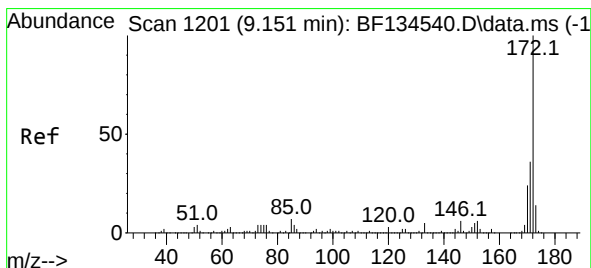
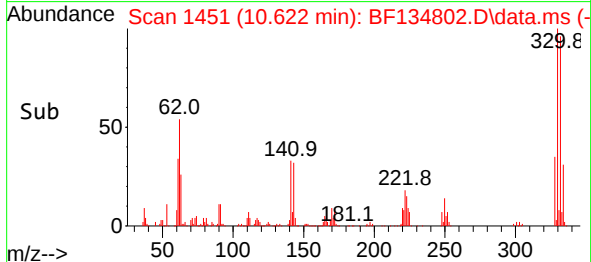
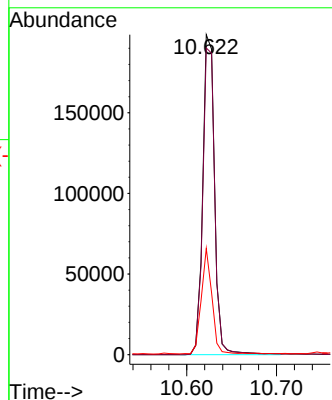


#42  
2,4,6-Tribromophenol  
Concen: 69.254 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

Instrument :  
BNA\_F  
ClientSampleId :  
SU-03-081423

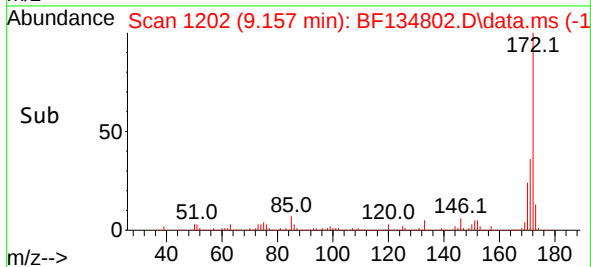
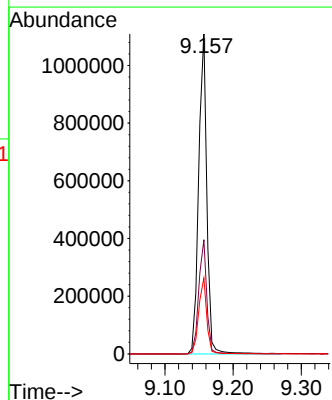
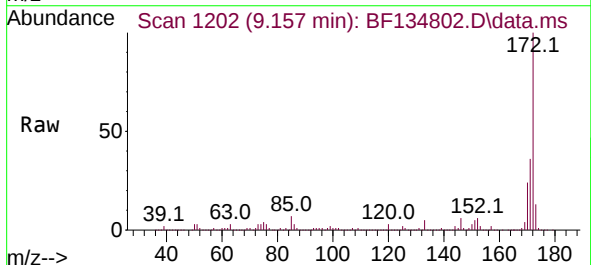


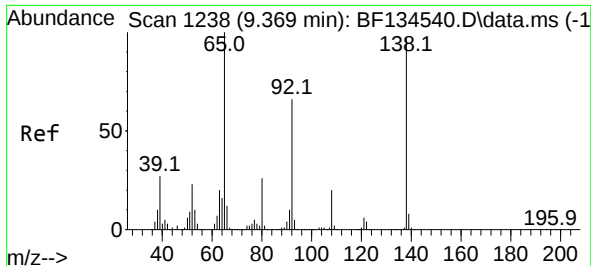
Tgt Ion:330 Resp: 181568  
Ion Ratio Lower Upper  
330 100  
332 97.2 78.8 118.2  
141 29.9 25.4 38.2



#45  
2-Fluorobiphenyl  
Concen: 59.764 ng  
RT: 9.157 min Scan# 1202  
Delta R.T. -0.006 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

Tgt Ion:172 Resp: 924439  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.8 43.2  
170 23.7 18.7 28.1





#48

2-Nitroaniline

Concen: 3.231 ng

RT: 9.228 min Scan# 1317

Delta R.T. -0.153 min

Lab File: BF134802.D

Acq: 16 Aug 2023 11:34

Instrument :

BNA\_F

ClientSampleId :

SU-03-081423

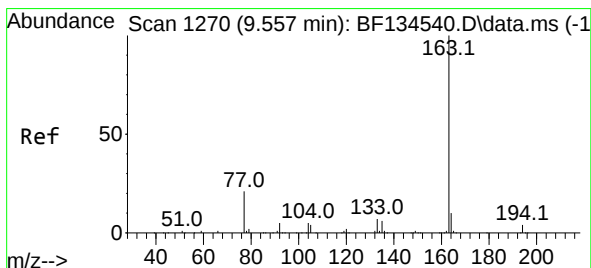
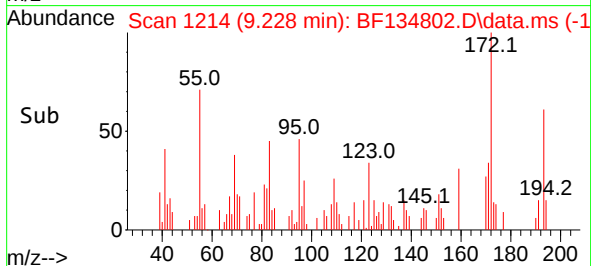
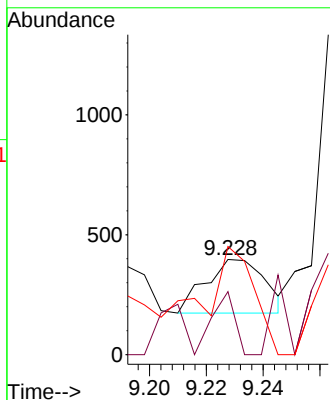
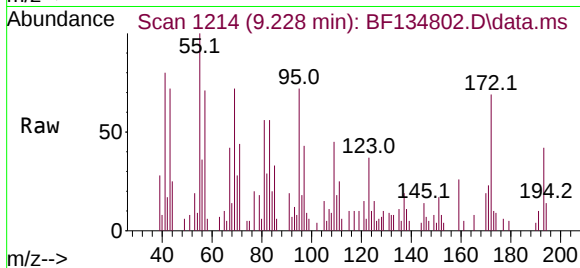
Tgt Ion: 65 Resp: 324

Ion Ratio Lower Upper

65 100

92 66.2 50.7 76.1

138 113.6 78.2 117.4



#50

Dimethylphthalate

Concen: 3.091 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.265 min

Lab File: BF134802.D

Acq: 16 Aug 2023 11:34

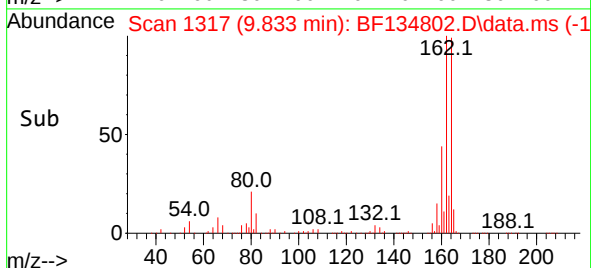
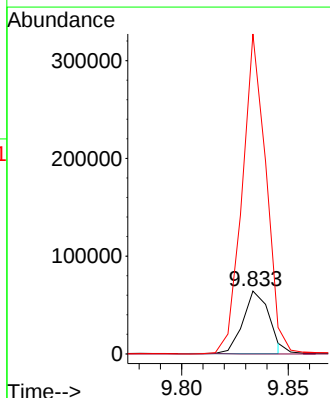
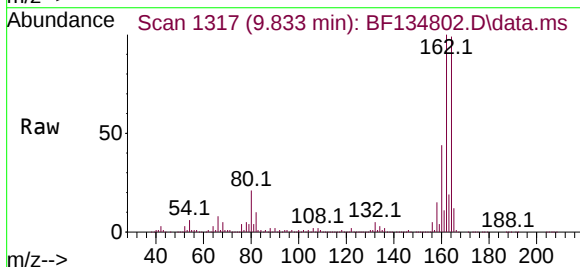
Tgt Ion: 163 Resp: 54184

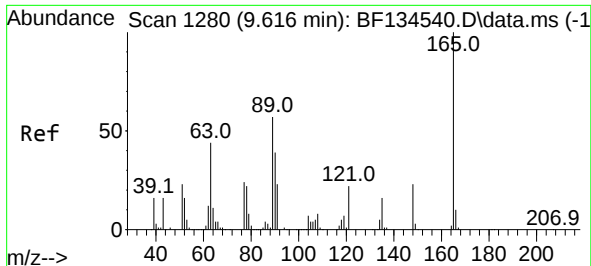
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 509.9 7.5 11.3#

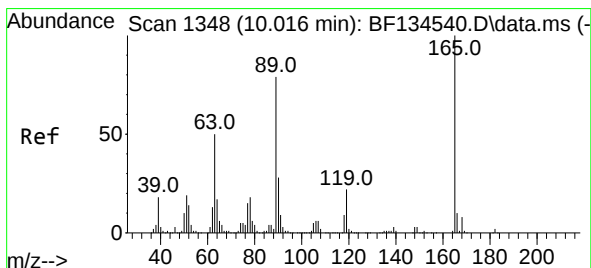
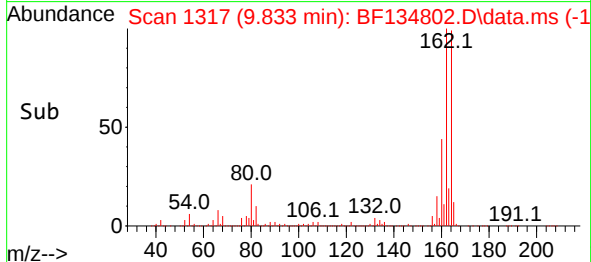
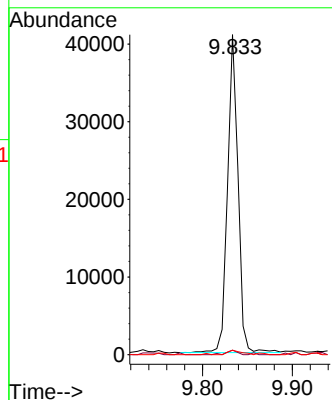
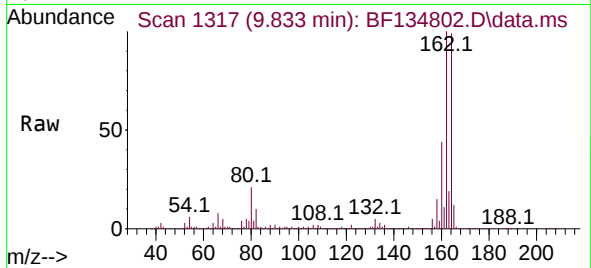




#51  
2,6-Dinitrotoluene  
Concen: 11.335 ng  
RT: 9.833 min Scan# 1317  
Delta R.T. 0.206 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

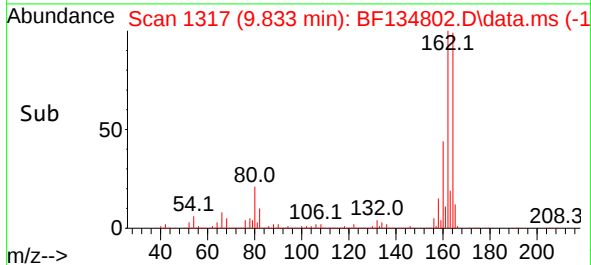
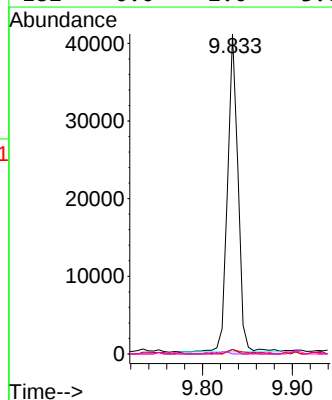
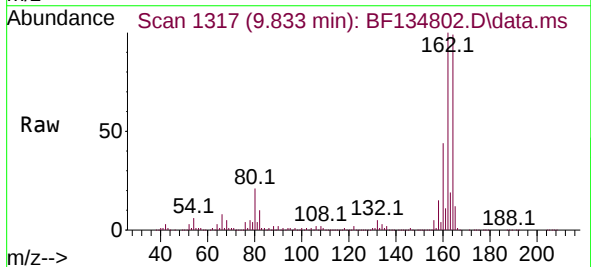
Instrument :  
BNA\_F  
ClientSampleId :  
SU-03-081423

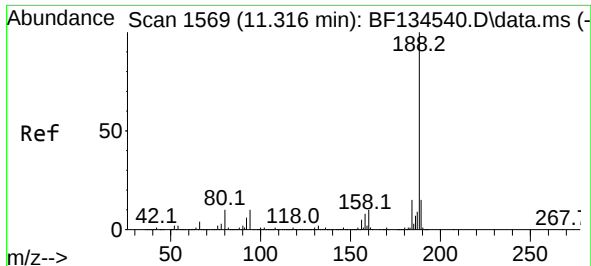
Tgt Ion:165 Resp: 33489  
Ion Ratio Lower Upper  
165 100  
63 1.4 57.8 86.6#  
89 1.4 51.8 77.8#



#57  
2,4-Dinitrotoluene  
Concen: 10.112 ng  
RT: 9.833 min Scan# 1317  
Delta R.T. -0.194 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

Tgt Ion:165 Resp: 33489  
Ion Ratio Lower Upper  
165 100  
63 1.4 48.9 73.3#  
89 1.4 61.7 92.5#  
182 0.0 2.0 3.0#

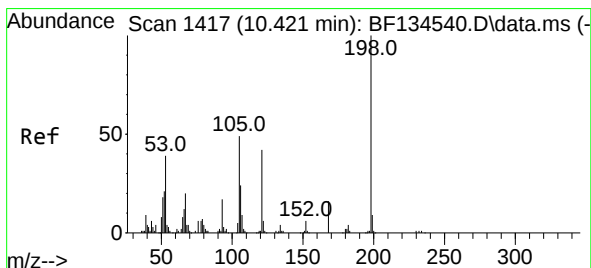
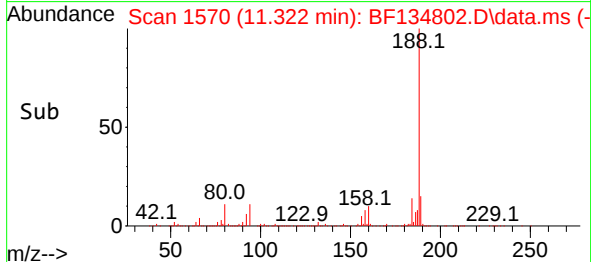
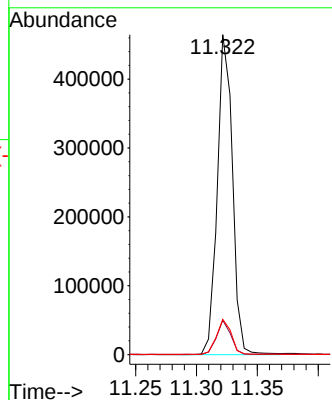
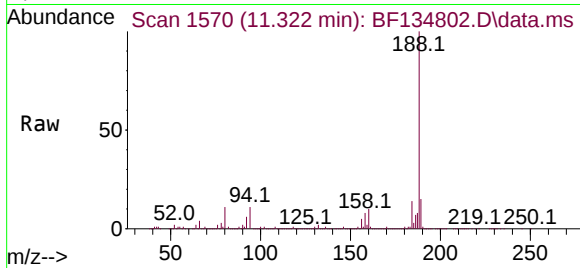




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.322 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

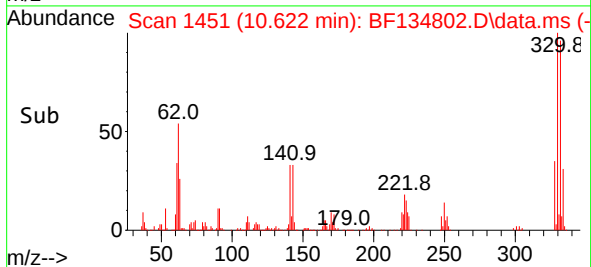
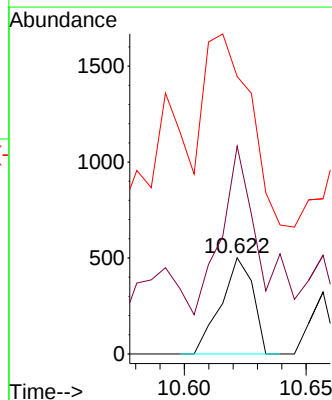
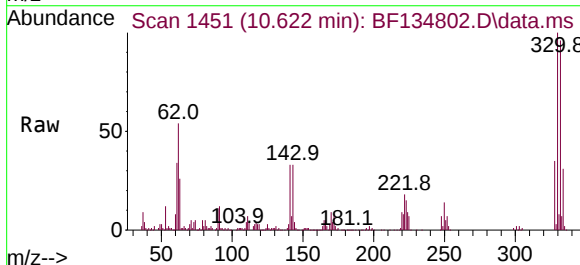
Instrument :  
BNA\_F  
ClientSampleId :  
SU-03-081423

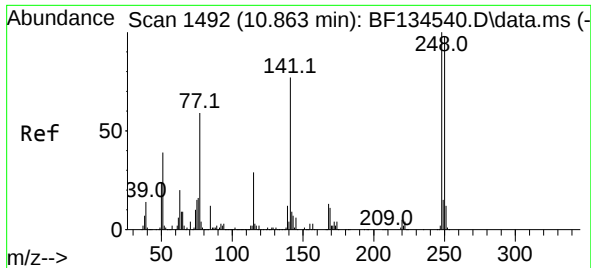
Tgt Ion:188 Resp: 403126  
Ion Ratio Lower Upper  
188 100  
94 10.7 5.1 7.7#  
80 11.0 6.6 9.8#



#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.929 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. 0.182 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

Tgt Ion:198 Resp: 457  
Ion Ratio Lower Upper  
198 100  
51 216.2 38.6 78.6#  
105 288.6 27.9 67.9#

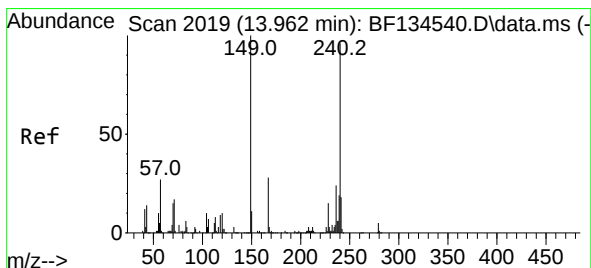
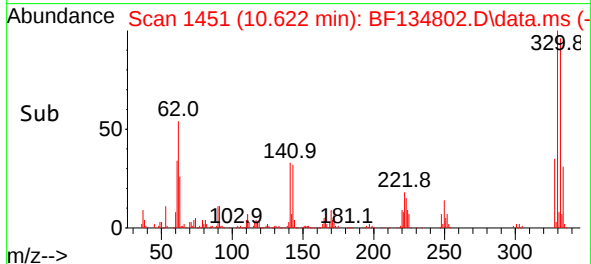
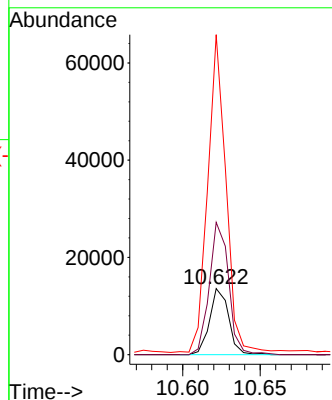
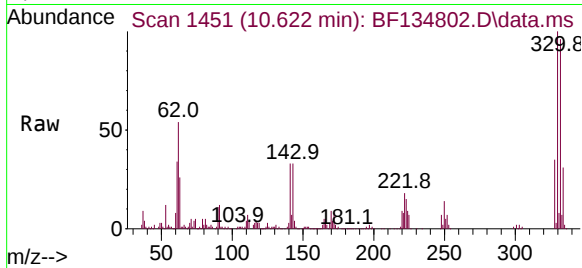




#67  
4-Bromophenyl-phenylether  
Concen: 2.648 ng  
RT: 10.622 min Scan# 14  
Delta R.T. -0.247 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

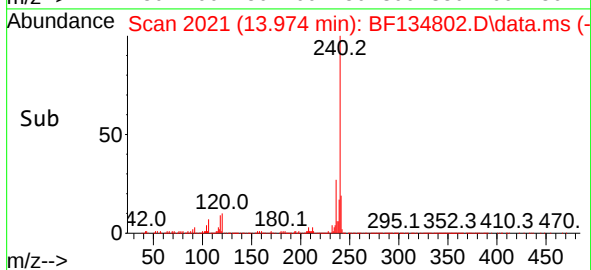
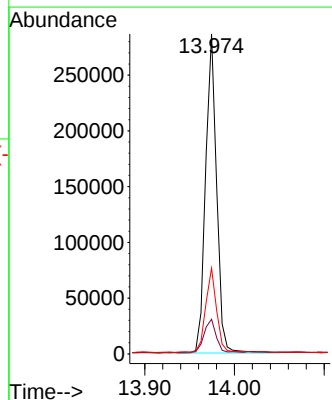
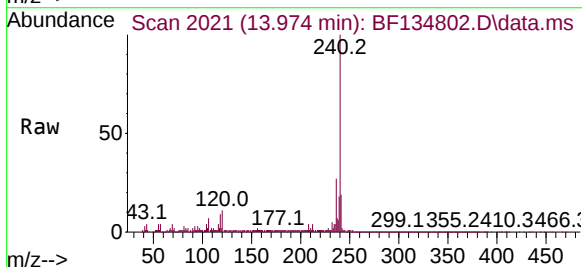
Instrument :  
BNA\_F  
ClientSampleId :  
SU-03-081423

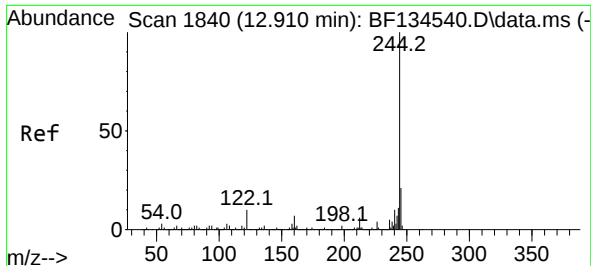
Tgt Ion:248 Resp: 11686  
Ion Ratio Lower Upper  
248 100  
250 200.4 79.6 119.4#  
141 485.2 59.6 89.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.974 min Scan# 2021  
Delta R.T. 0.000 min  
Lab File: BF134802.D  
Acq: 16 Aug 2023 11:34

Tgt Ion:240 Resp: 245120  
Ion Ratio Lower Upper  
240 100  
120 10.8 6.6 10.0#  
236 26.8 20.2 30.2

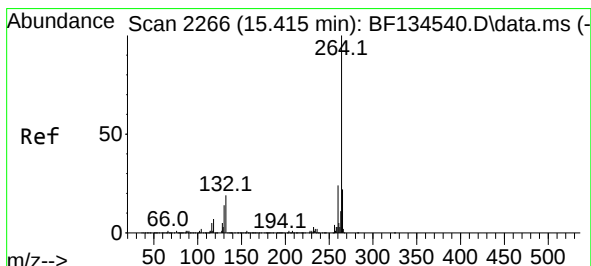
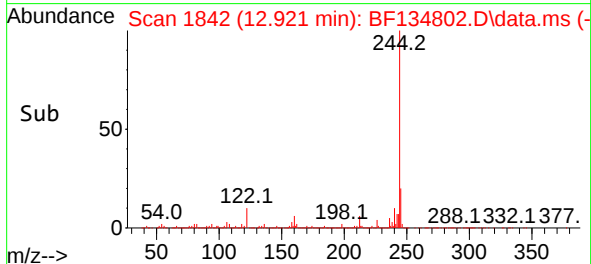
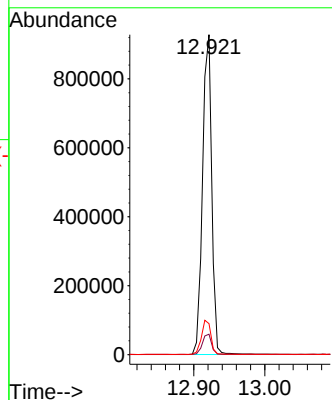
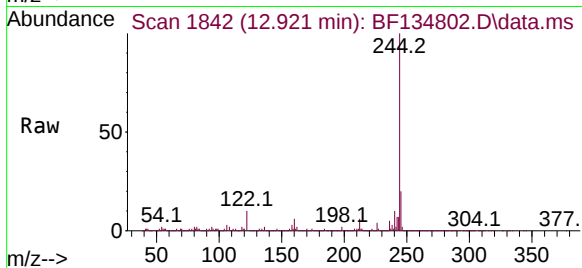




#79  
 Terphenyl-d14  
 Concen: 59.855 ng  
 RT: 12.921 min Scan# 1842  
 Delta R.T. 0.000 min  
 Lab File: BF134802.D  
 Acq: 16 Aug 2023 11:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-03-081423

Tgt Ion:244 Resp: 832261  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.6 8.4  
 122 9.7 8.0 12.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.451 min Scan# 2272  
 Delta R.T. 0.012 min  
 Lab File: BF134802.D  
 Acq: 16 Aug 2023 11:34

Tgt Ion:264 Resp: 203746  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 18.4 27.6  
 265 21.9 15.8 23.8

