

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
 Data File : BF135848.D  
 Acq On : 18 Oct 2023 15:36  
 Operator : CG\JU  
 Sample : 04858-09  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-3

Quant Time: Oct 18 19:29:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 17 01:22:00 2023  
 Response via : Initial Calibration

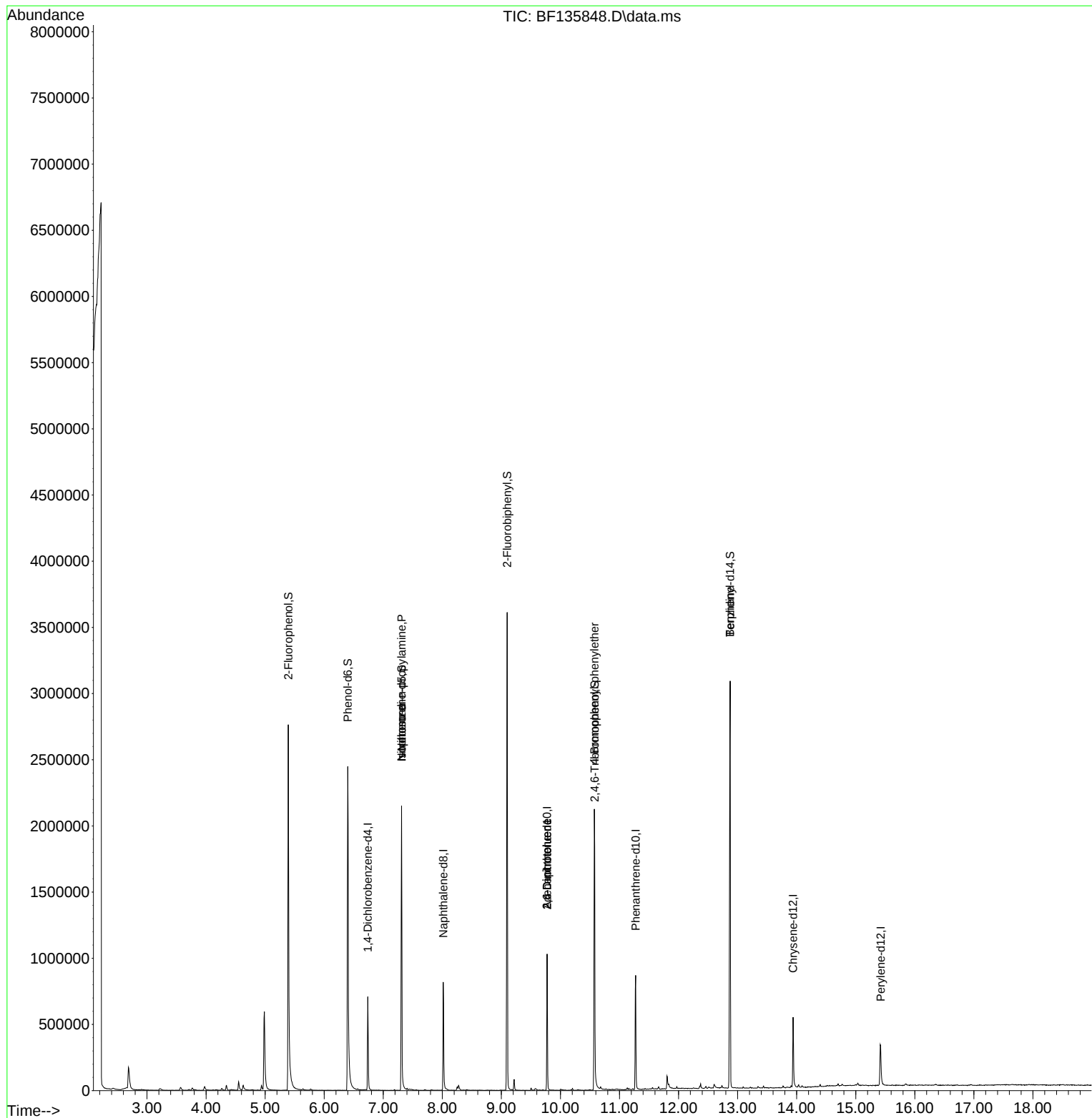
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.739  | 152  | 98459    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.016  | 136  | 368648   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.774  | 164  | 190318   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.274 | 188  | 338860   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.939 | 240  | 188494   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.421 | 264  | 176464   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.392  | 112  | 820720   | 134.017 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.398  | 99   | 951054   | 124.466 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.310  | 82   | 658959   | 98.311  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.580 | 330  | 290453   | 159.043 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 1116490  | 91.722  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.874 | 244  | 1164422  | 114.402 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 87901    | 18.605  | ng    | # 76     |
| 25) Isophorone                | 7.310  | 82   | 658959   | 52.111  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.774  | 165  | 24382    | 8.825   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 9.774  | 165  | 24382    | 6.937   | ng    | # 23     |
| 67) 4-Bromophenyl-phenylether | 10.574 | 248  | 17990    | 5.289   | ng    | # 1      |
| 77) Benzidine                 | 12.874 | 184  | 14211    | 3.455   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

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

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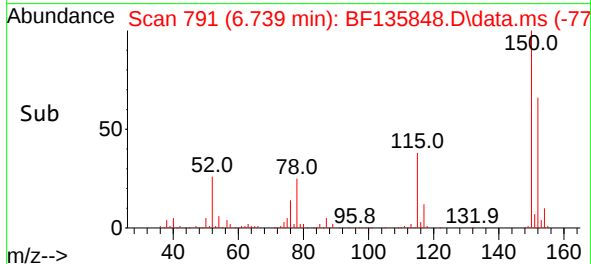
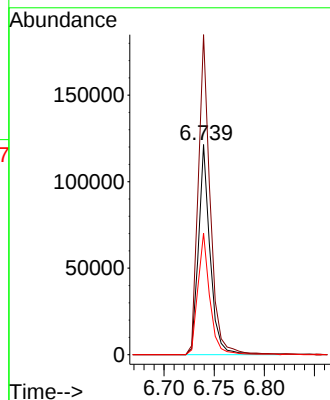
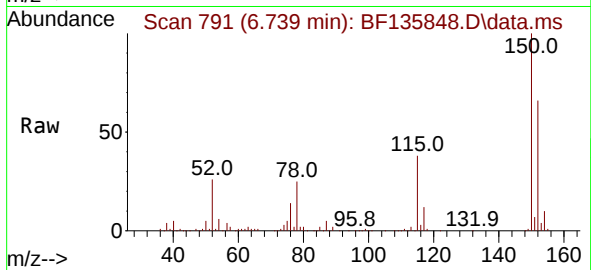




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.739 min Scan# 791  
Delta R.T. -0.007 min  
Lab File: BF135848.D  
Acq: 18 Oct 2023 15:36

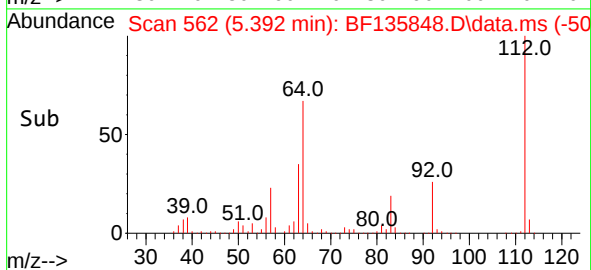
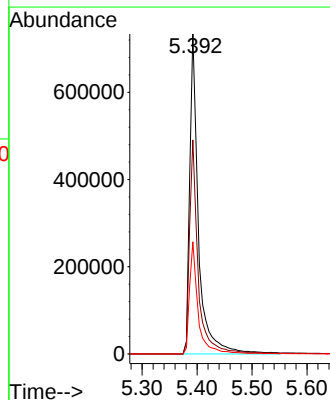
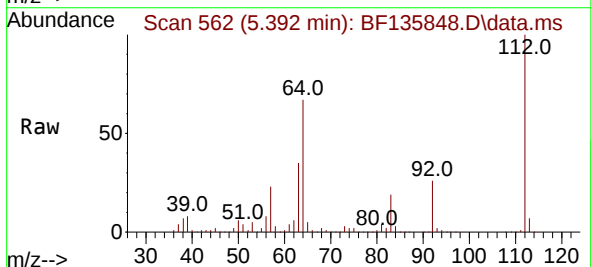
Instrument :  
BNA\_F  
ClientSampleId :  
WC-3

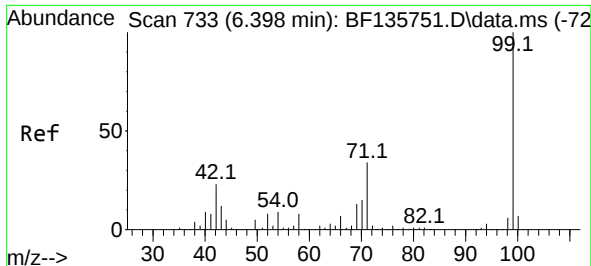
Tgt Ion:152 Resp: 98459  
Ion Ratio Lower Upper  
152 100  
150 152.3 124.5 186.7  
115 57.8 49.0 73.4



#5  
2-Fluorophenol  
Concen: 134.017 ng  
RT: 5.392 min Scan# 562  
Delta R.T. 0.017 min  
Lab File: BF135848.D  
Acq: 18 Oct 2023 15:36

Tgt Ion:112 Resp: 820720  
Ion Ratio Lower Upper  
112 100  
64 66.9 51.2 76.8  
63 35.1 26.1 39.1

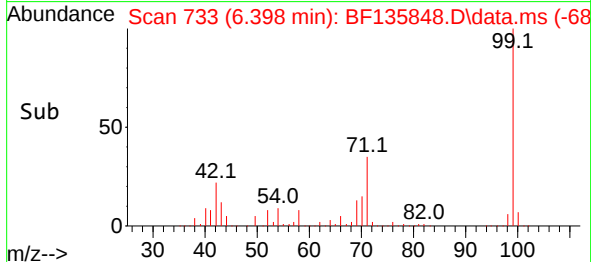
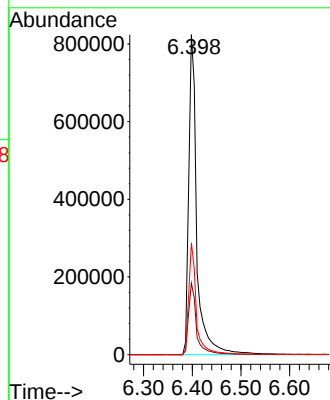
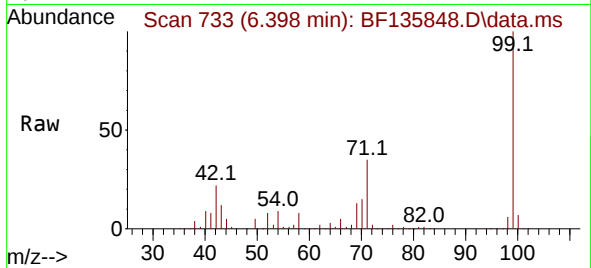




#7  
Phenol-d6  
Concen: 124.466 ng  
RT: 6.398 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF135848.D  
Acq: 18 Oct 2023 15:36

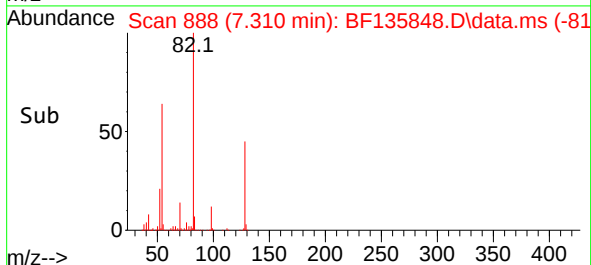
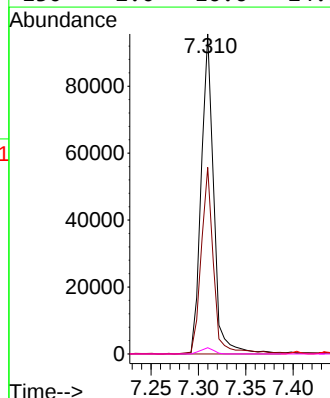
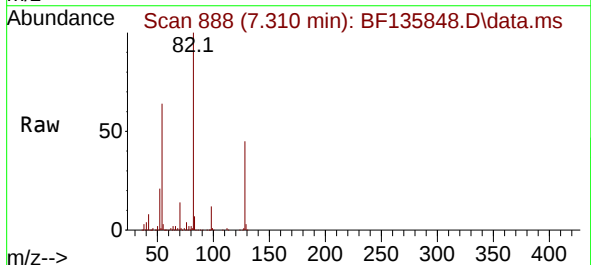
Instrument :  
BNA\_F  
ClientSampleId :  
WC-3

Tgt Ion: 99 Resp: 951054  
Ion Ratio Lower Upper  
99 100  
42 22.4 18.4 27.6  
71 35.0 27.2 40.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.605 ng  
RT: 7.310 min Scan# 888  
Delta R.T. 0.147 min  
Lab File: BF135848.D  
Acq: 18 Oct 2023 15:36

Tgt Ion: 70 Resp: 87901  
Ion Ratio Lower Upper  
70 100  
42 58.3 59.8 89.6#  
101 0.0 7.4 11.2#  
130 2.0 16.6 24.8#



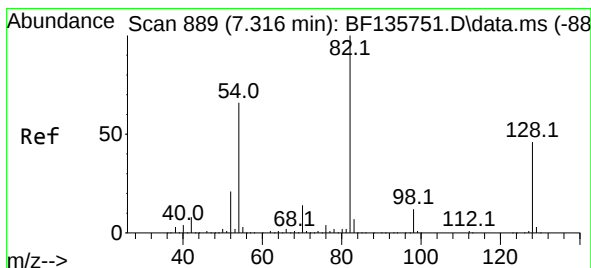
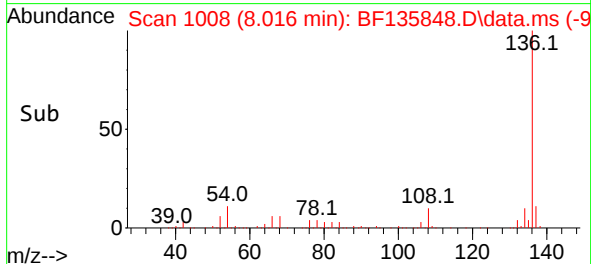
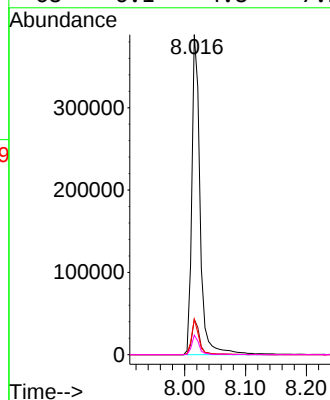
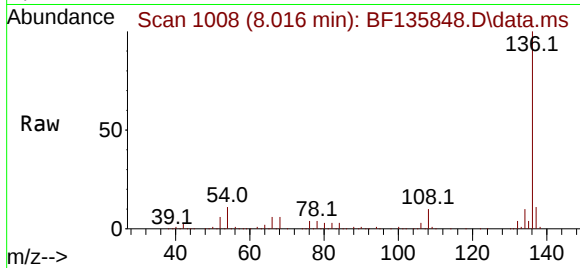


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 1009  
Delta R.T. -0.006 min  
Lab File: BF135848.D  
Acq: 18 Oct 2023 15:36

Instrument :  
BNA\_F  
ClientSampleId :  
WC-3

Tgt Ion:136 Resp: 368648

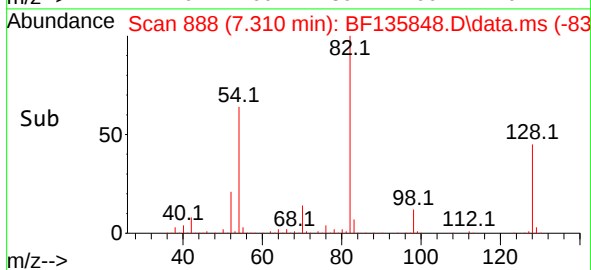
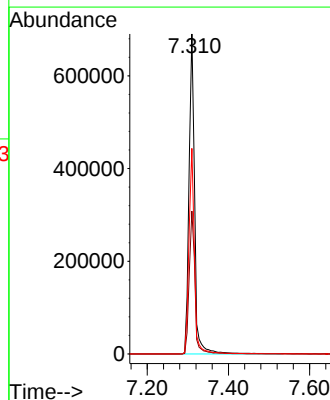
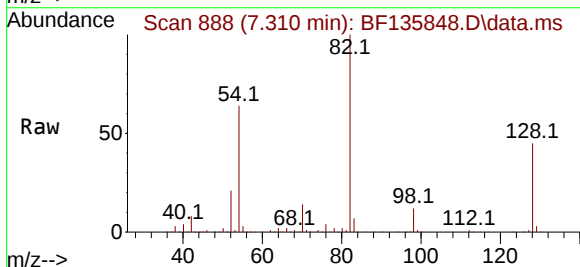
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.6   | 12.8  |
| 54  | 11.1  | 8.5   | 12.7  |
| 68  | 6.1   | 4.8   | 7.2   |



#23  
Nitrobenzene-d5  
Concen: 98.311 ng  
RT: 7.310 min Scan# 888  
Delta R.T. -0.006 min  
Lab File: BF135848.D  
Acq: 18 Oct 2023 15:36

Tgt Ion: 82 Resp: 658959

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.6  | 37.0  | 55.6  |
| 54  | 64.2  | 52.8  | 79.2  |

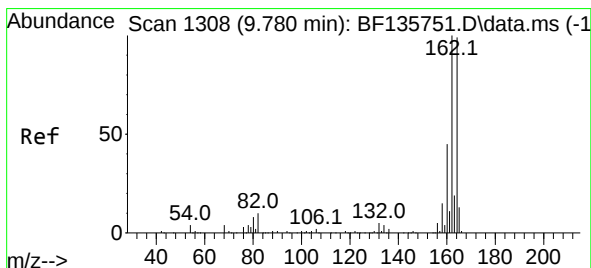
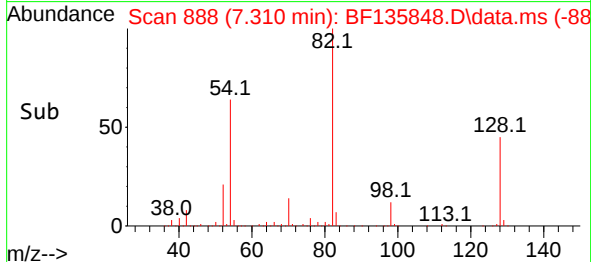
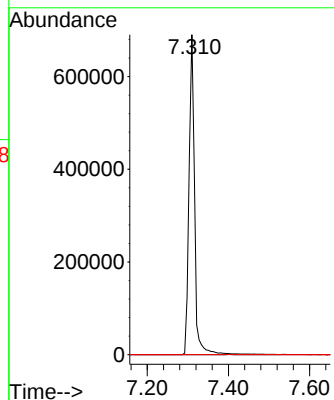
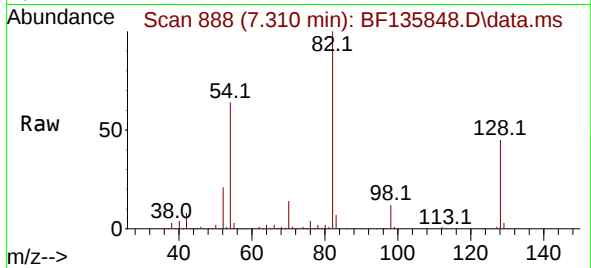




#25  
Isophorone  
Concen: 52.111 ng  
RT: 7.310 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF135848.D  
Acq: 18 Oct 2023 15:36

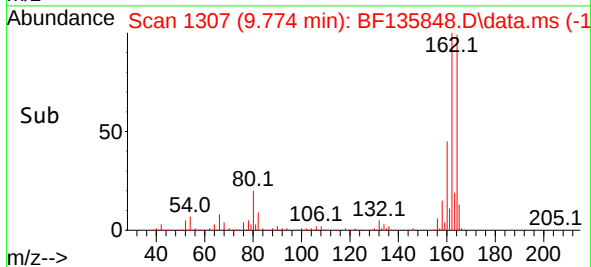
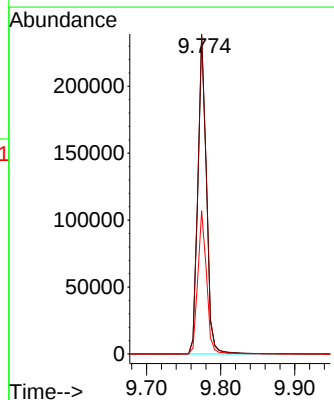
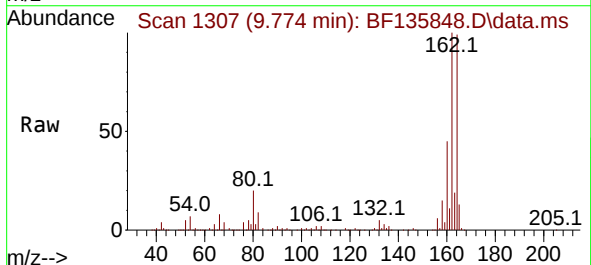
Instrument :  
BNA\_F  
ClientSampleId :  
WC-3

Tgt Ion: 82 Resp: 658959  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.9 20.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.774 min Scan# 1307  
Delta R.T. -0.012 min  
Lab File: BF135848.D  
Acq: 18 Oct 2023 15:36

Tgt Ion: 164 Resp: 190318  
Ion Ratio Lower Upper  
164 100  
162 100.7 80.8 121.2  
160 45.1 36.6 54.8

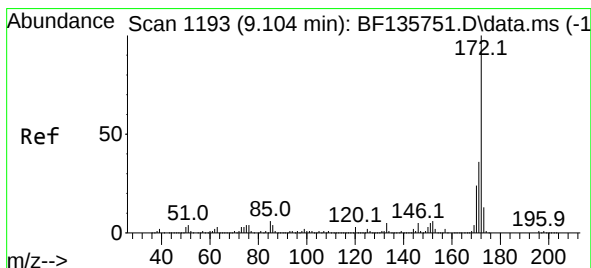
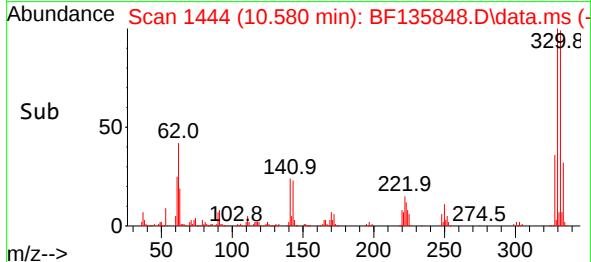
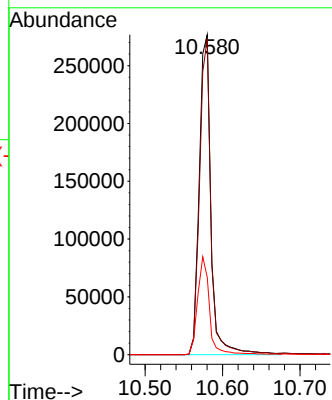
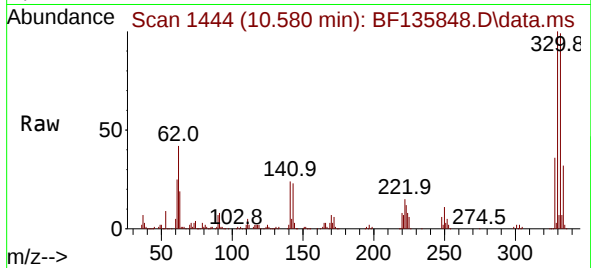




#42  
2,4,6-Tribromophenol  
Concen: 159.043 ng  
RT: 10.580 min Scan# 1444  
Delta R.T. -0.006 min  
Lab File: BF135848.D  
Acq: 18 Oct 2023 15:36

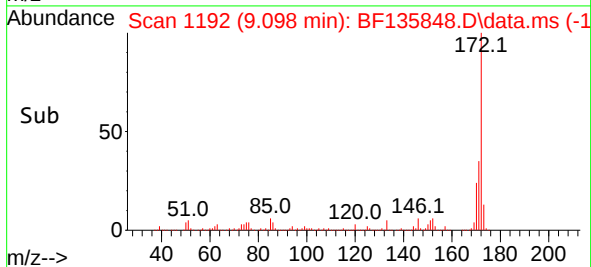
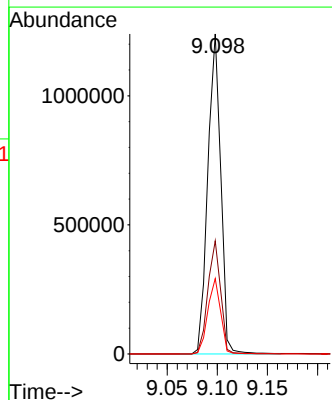
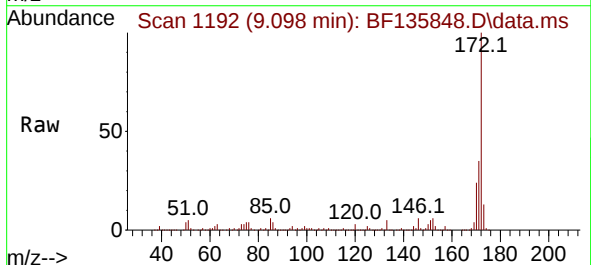
Instrument :  
BNA\_F  
ClientSampleId :  
WC-3

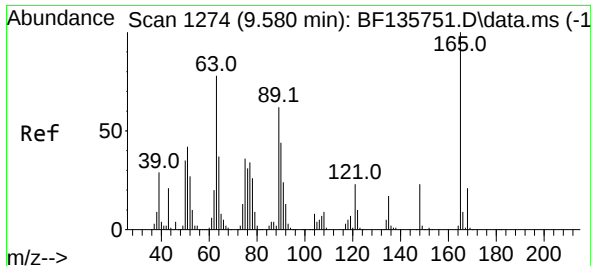
Tgt Ion: 330 Resp: 290453  
Ion Ratio Lower Upper  
330 100  
332 95.7 75.0 112.4  
141 31.2 25.8 38.6



#45  
2-Fluorobiphenyl  
Concen: 91.722 ng  
RT: 9.098 min Scan# 1192  
Delta R.T. -0.006 min  
Lab File: BF135848.D  
Acq: 18 Oct 2023 15:36

Tgt Ion: 172 Resp: 1116490  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.4 42.6  
170 23.5 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.825 ng

RT: 9.774 min Scan# 1

Delta R.T. 0.188 min

Lab File: BF135848.D

Acq: 18 Oct 2023 15:36

Instrument :

BNA\_F

ClientSampleId :

WC-3

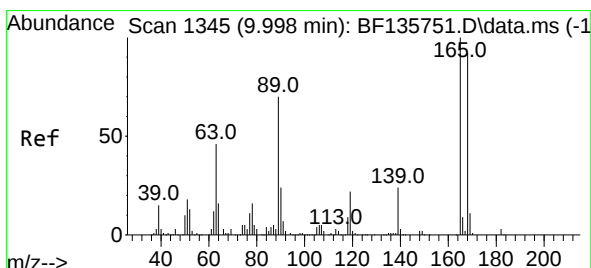
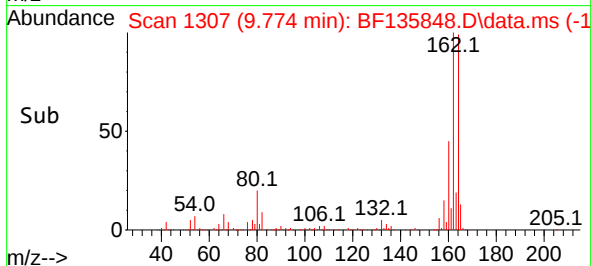
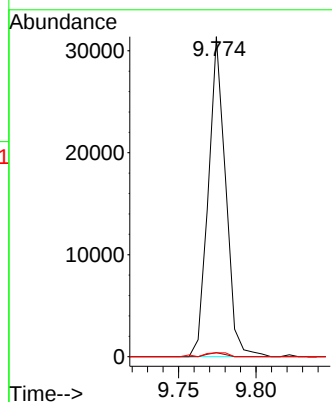
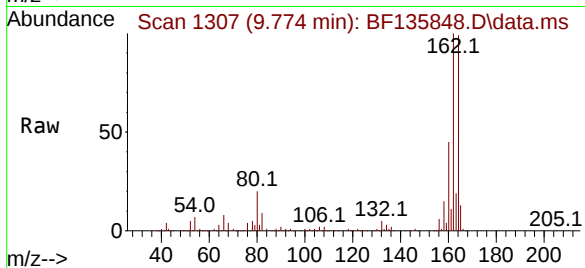
Tgt Ion:165 Resp: 24382

Ion Ratio Lower Upper

165 100

63 1.2 62.2 93.4#

89 1.2 49.6 74.4#



#57

2,4-Dinitrotoluene

Concen: 6.937 ng

RT: 9.774 min Scan# 1307

Delta R.T. -0.230 min

Lab File: BF135848.D

Acq: 18 Oct 2023 15:36

Tgt Ion:165 Resp: 24382

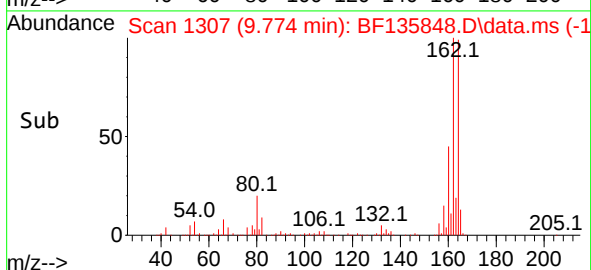
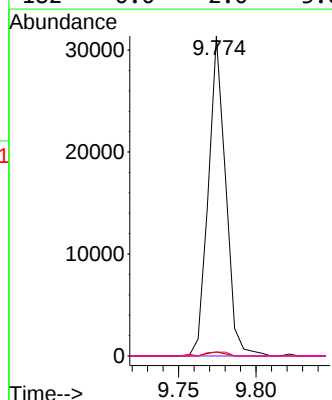
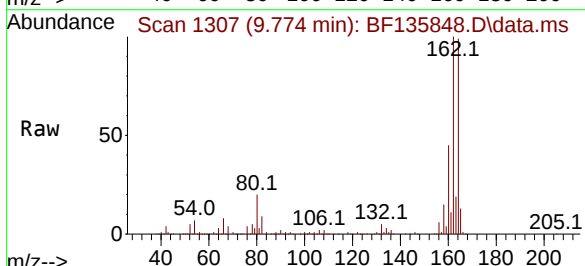
Ion Ratio Lower Upper

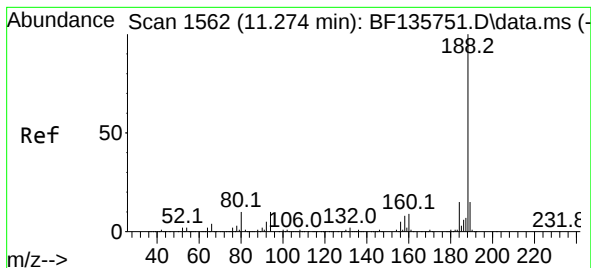
165 100

63 1.2 39.0 58.4#

89 1.2 55.9 83.9#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.274 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135848.D

Acq: 18 Oct 2023 15:36

Instrument :

BNA\_F

ClientSampleId :

WC-3

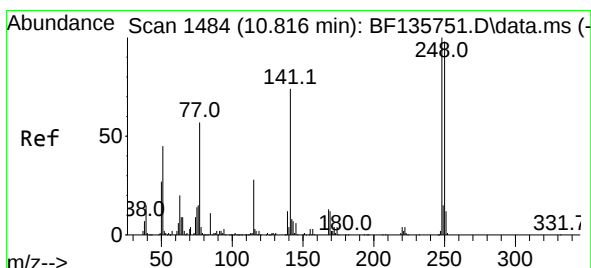
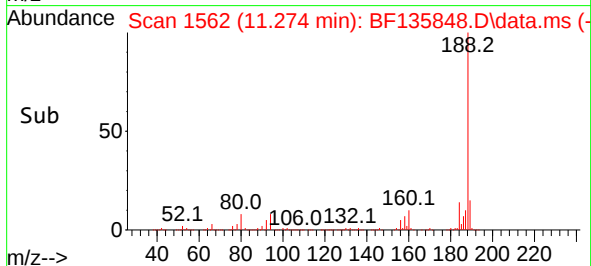
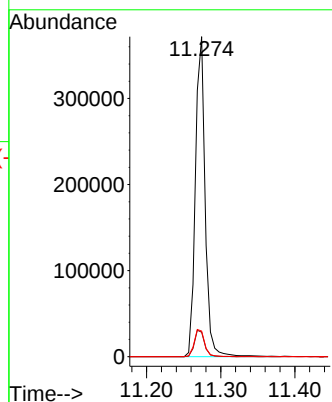
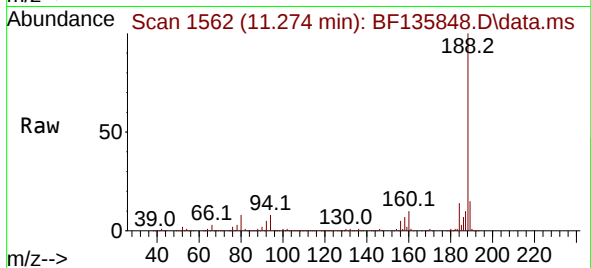
Tgt Ion:188 Resp: 338860

Ion Ratio Lower Upper

188 100

94 7.7 8.0 12.0#

80 8.0 8.3 12.5#



#67

4-Bromophenyl-phenylether

Concen: 5.289 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135848.D

Acq: 18 Oct 2023 15:36

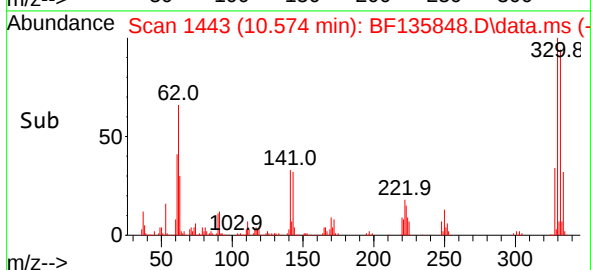
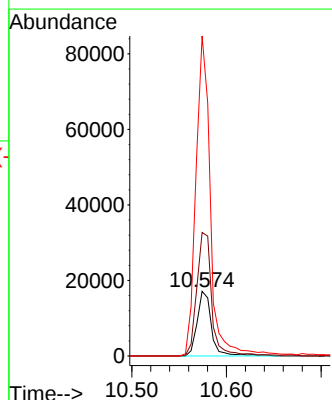
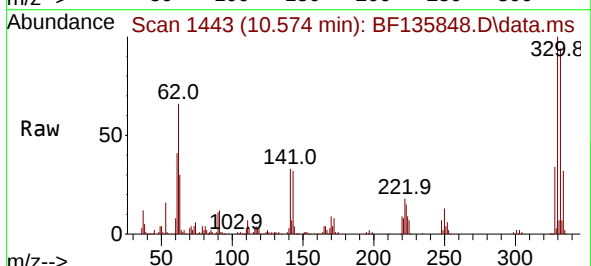
Tgt Ion:248 Resp: 17990

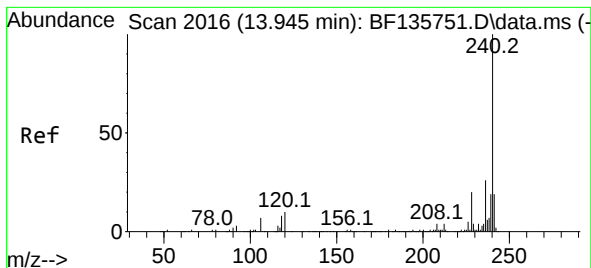
Ion Ratio Lower Upper

248 100

250 191.2 78.0 117.0#

141 495.2 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135848.D

Acq: 18 Oct 2023 15:36

Instrument :

BNA\_F

ClientSampleId :

WC-3

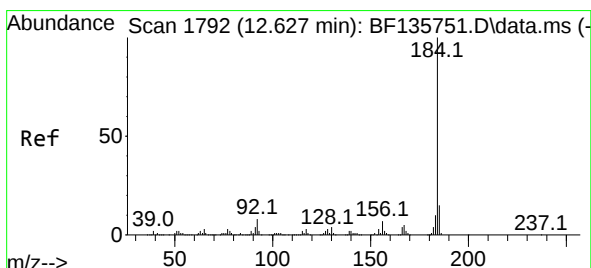
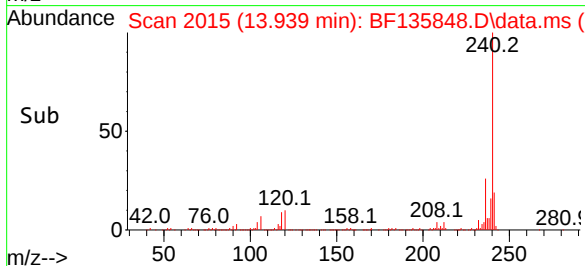
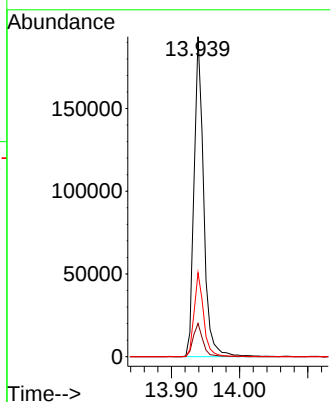
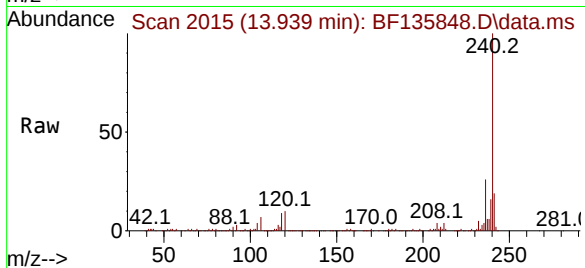
Tgt Ion:240 Resp: 188494

Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.2

236 26.3 21.2 31.8



#77

Benzidine

Concen: 3.455 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.241 min

Lab File: BF135848.D

Acq: 18 Oct 2023 15:36

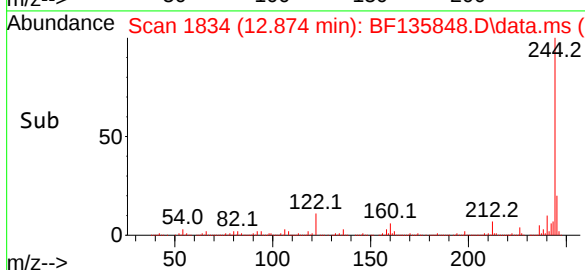
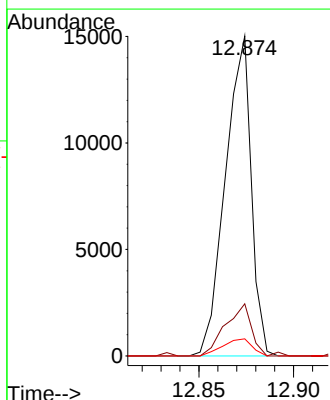
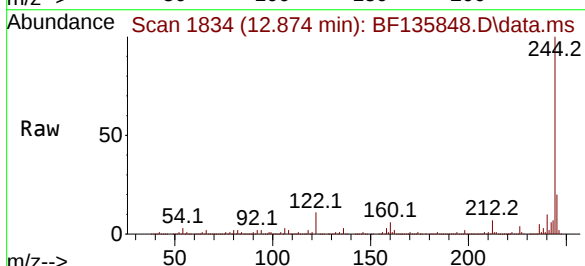
Tgt Ion:184 Resp: 14211

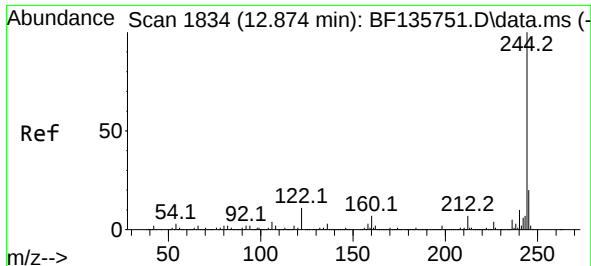
Ion Ratio Lower Upper

184 100

185 16.3 12.0 18.0

183 5.3 8.2 12.2#

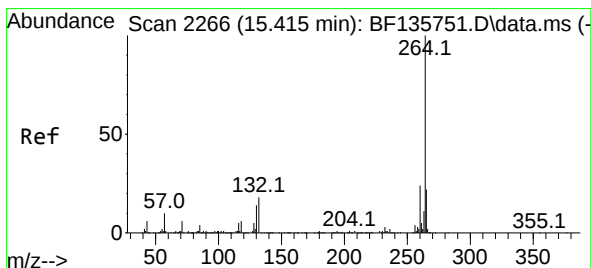
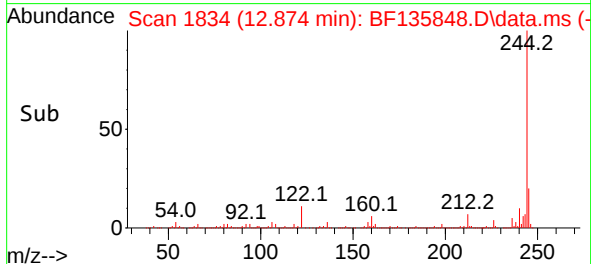
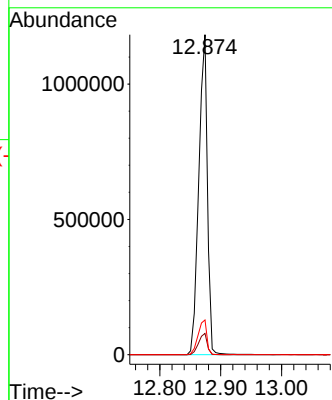
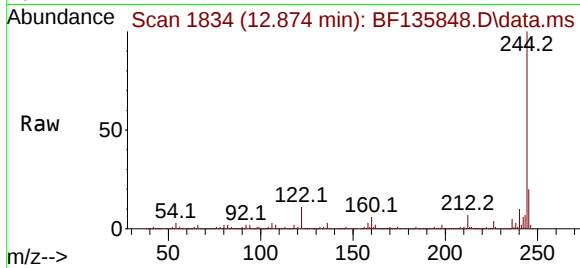




#79  
 Terphenyl-d14  
 Concen: 114.402 ng  
 RT: 12.874 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF135848.D  
 Acq: 18 Oct 2023 15:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-3

Tgt Ion:244 Resp: 1164422  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.6 8.4  
 122 10.8 9.0 13.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.421 min Scan# 2267  
 Delta R.T. -0.000 min  
 Lab File: BF135848.D  
 Acq: 18 Oct 2023 15:36

Tgt Ion:264 Resp: 176464  
 Ion Ratio Lower Upper  
 264 100  
 260 22.9 19.2 28.8  
 265 21.5 17.4 26.2

