

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070623\  
 Data File : BF134098.D  
 Acq On : 06 Jul 2023 15:00  
 Operator : CG\JU  
 Sample : 03021-03  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-303-20230601

Quant Time: Jul 07 01:10:54 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

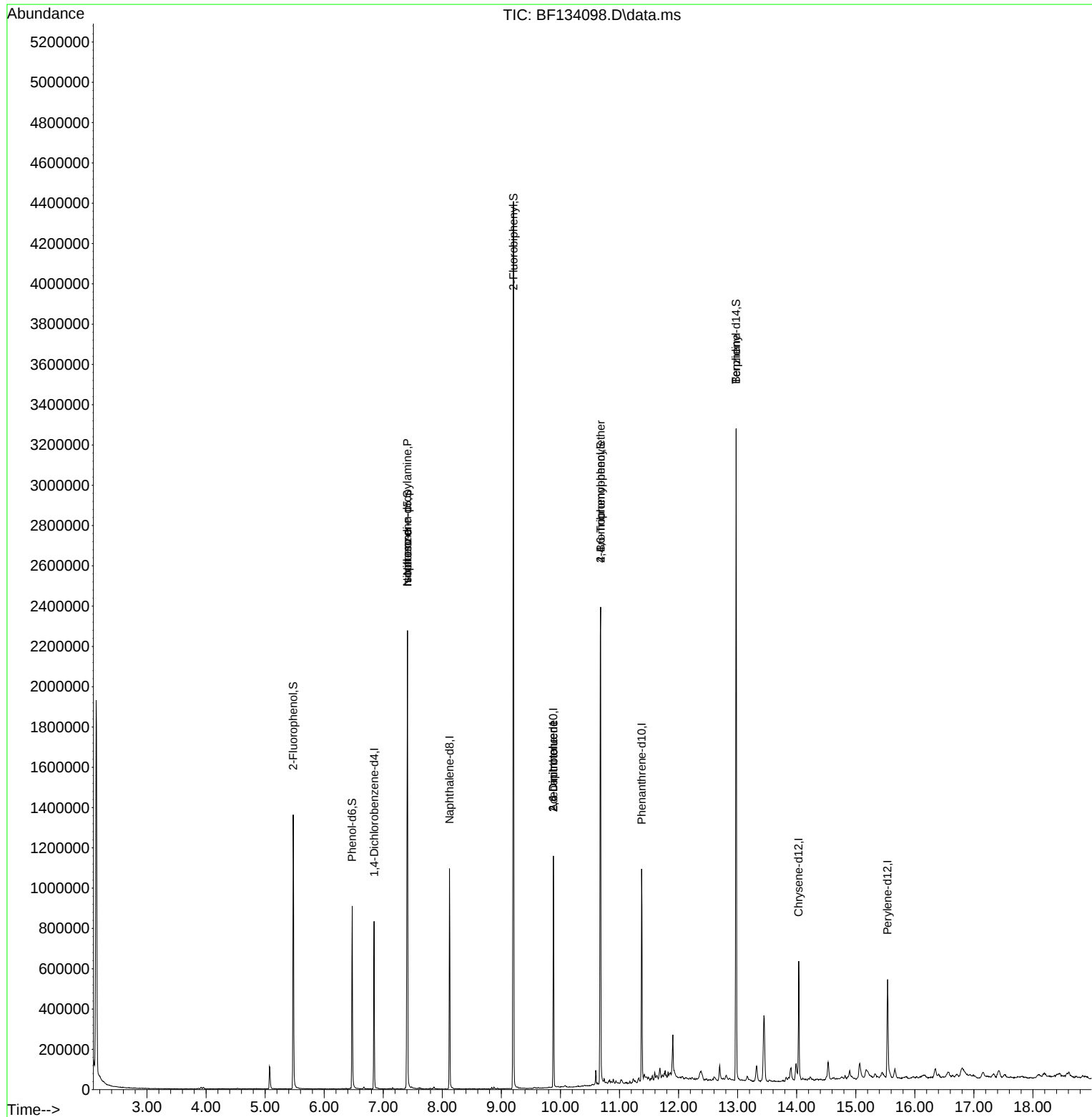
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 113831   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 429911   | 20.000    | ng     | -0.01    |
| 39) Acenaphthene-d10          | 9.880  | 164  | 214773   | 20.000    | ng     | -0.01    |
| 64) Phenanthrene-d10          | 11.374 | 188  | 385942   | 20.000    | ng     | -0.01    |
| 76) Chrysene-d12              | 14.033 | 240  | 192830   | 20.000    | ng     | -0.02    |
| 86) Perylene-d12              | 15.539 | 264  | 237343   | 20.000    | ng     | -0.01    |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 347412   | 51.053    | ng     | -0.01    |
| 7) Phenol-d6                  | 6.475  | 99   | 256025   | 30.593    | ng     | -0.02    |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 698345   | 87.564    | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.680 | 330  | 312489   | 116.045   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1263719  | 85.547    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 1095177  | 91.407    | ng     | -0.01    |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.404  | 77   | 108      | Below Cal | #      | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.410  | 70   | 96700    | 18.221    | ng     | # 78     |
| 25) Isophorone                | 7.410  | 82   | 698340   | 48.180    | ng     | # 64     |
| 51) 2,6-Dinitrotoluene        | 9.880  | 165  | 27158    | 8.088     | ng     | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.880  | 165  | 27158    | 6.124     | ng     | # 22     |
| 67) 4-Bromophenyl-phenylether | 10.680 | 248  | 19994    | 4.874     | ng     | # 1      |
| 77) Benizidine                | 12.974 | 184  | 16013    | 3.490     | ng     | # 93     |
| -----                         |        |      |          |           |        |          |

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

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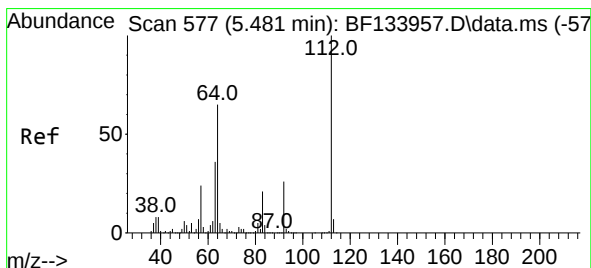
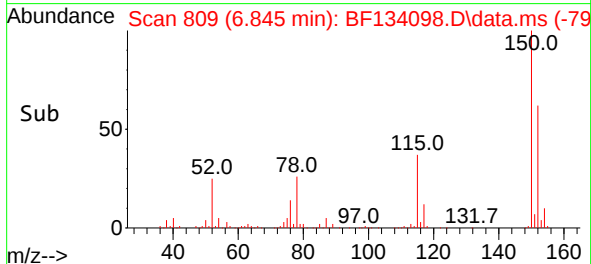
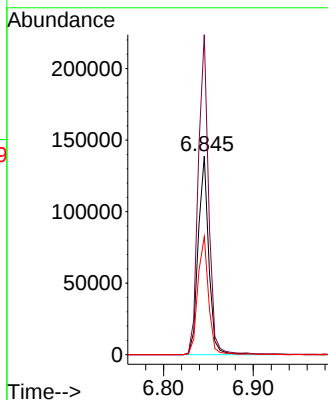
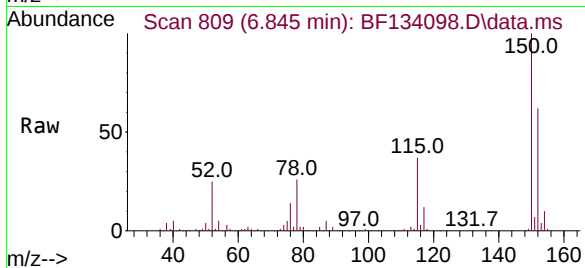




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.845 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF134098.D  
Acq: 06 Jul 2023 15:00

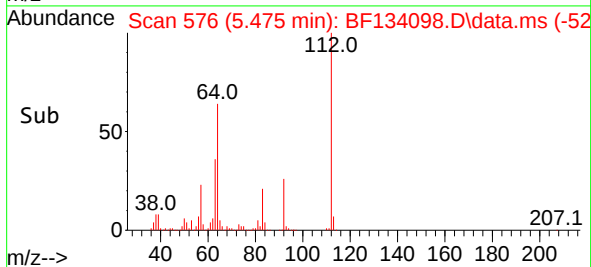
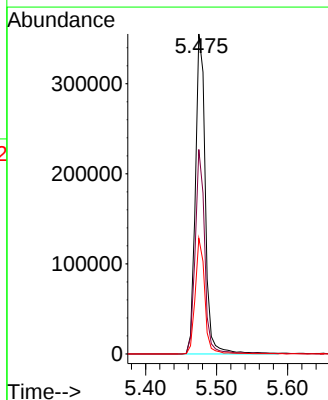
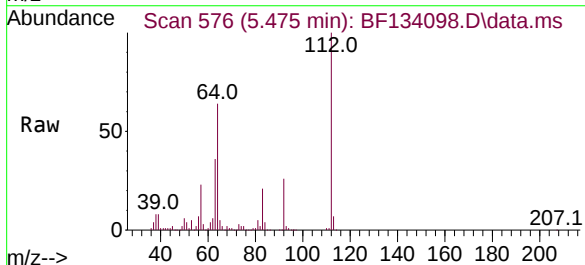
Instrument :  
BNA\_F  
ClientSampleId :  
SP-303-20230601

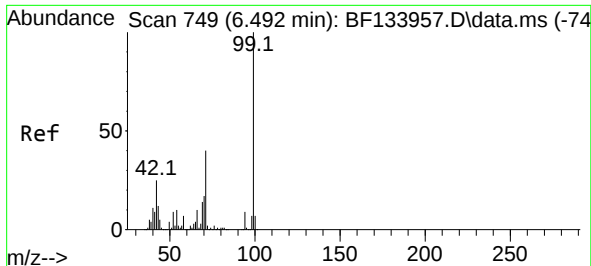
Tgt Ion:152 Resp: 113831  
Ion Ratio Lower Upper  
152 100  
150 161.1 124.5 186.7  
115 59.4 50.2 75.2



#5  
2-Fluorophenol  
Concen: 51.053 ng  
RT: 5.475 min Scan# 576  
Delta R.T. -0.012 min  
Lab File: BF134098.D  
Acq: 06 Jul 2023 15:00

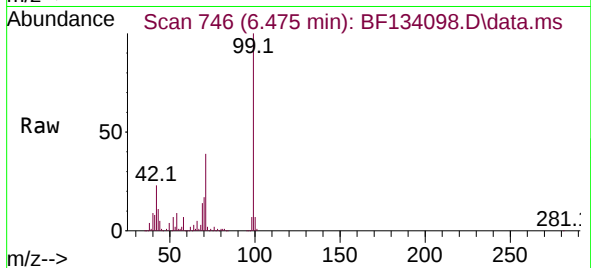
Tgt Ion:112 Resp: 347412  
Ion Ratio Lower Upper  
112 100  
64 63.9 52.1 78.1  
63 36.1 28.6 42.8



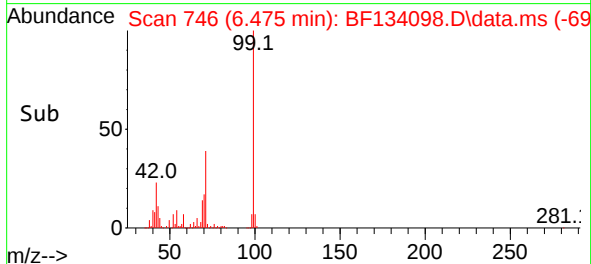
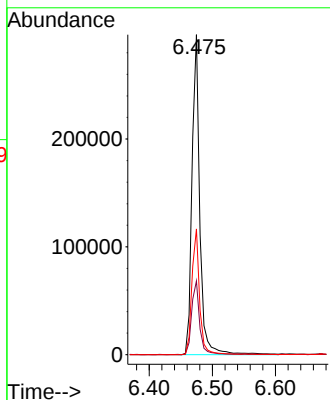


#7  
Phenol-d6  
Concen: 30.593 ng  
RT: 6.475 min Scan# 74  
Delta R.T. -0.018 min  
Lab File: BF134098.D  
Acq: 06 Jul 2023 15:00

Instrument :  
BNA\_F  
ClientSampleId :  
SP-303-20230601

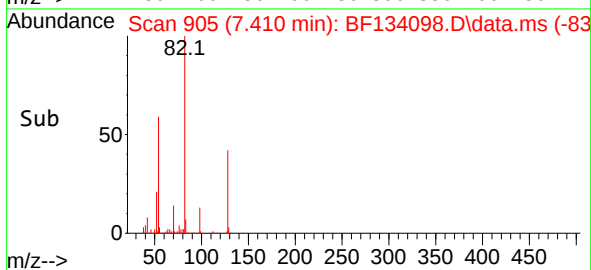
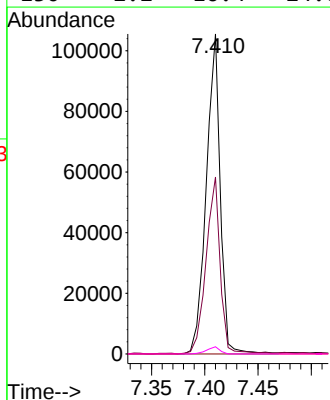
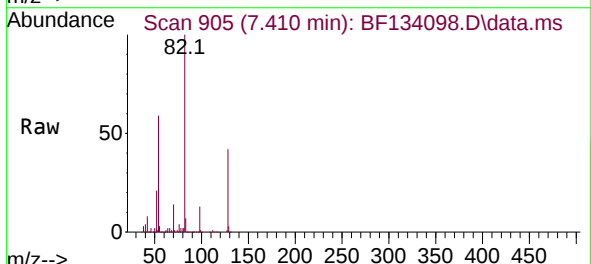


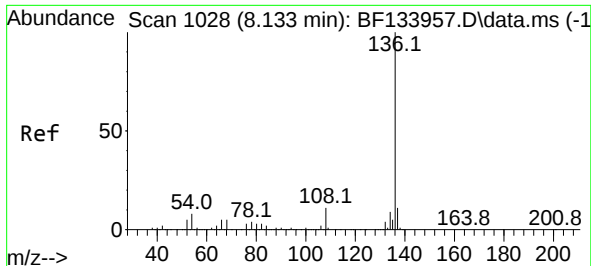
Tgt Ion: 99 Resp: 256025  
Ion Ratio Lower Upper  
99 100  
42 23.1 19.8 29.6  
71 39.3 31.9 47.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.221 ng  
RT: 7.410 min Scan# 905  
Delta R.T. 0.141 min  
Lab File: BF134098.D  
Acq: 06 Jul 2023 15:00

Tgt Ion: 70 Resp: 96700  
Ion Ratio Lower Upper  
70 100  
42 55.3 54.7 82.1  
101 0.0 7.7 11.5#  
130 2.2 16.4 24.6#



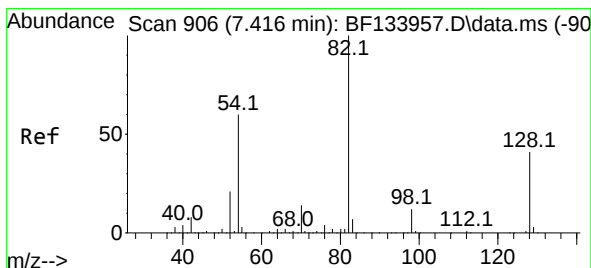
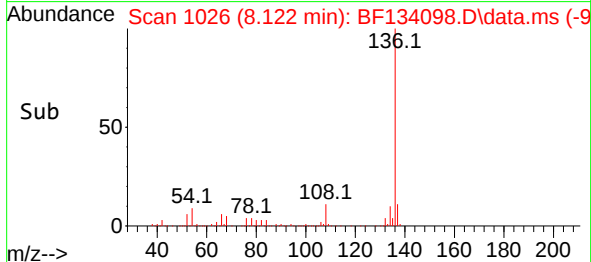
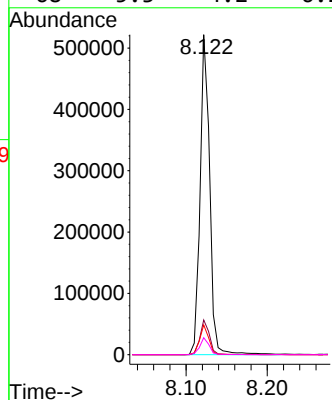
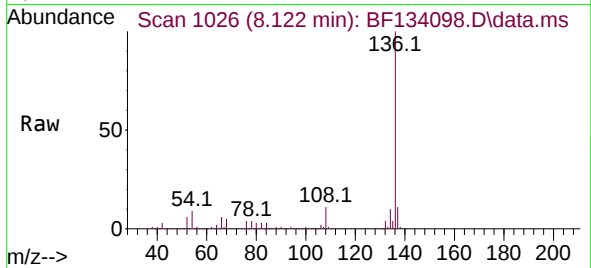


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.012 min  
Lab File: BF134098.D  
Acq: 06 Jul 2023 15:00

Instrument :  
BNA\_F  
ClientSampleId :  
SP-303-20230601

Tgt Ion:136 Resp: 429911

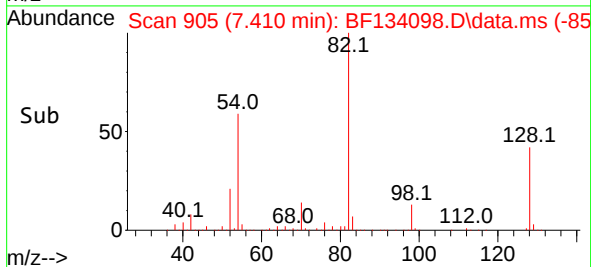
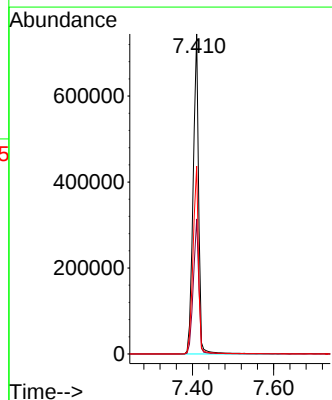
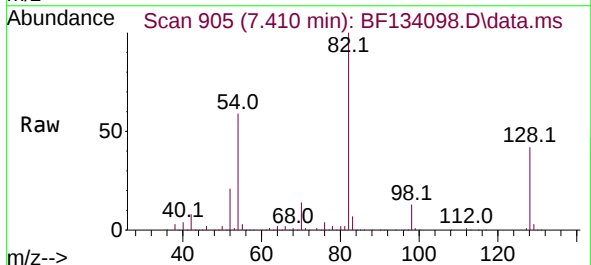
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.6   | 12.8  |
| 54  | 9.3   | 6.5   | 9.7   |
| 68  | 5.3   | 4.2   | 6.2   |



#23  
Nitrobenzene-d5  
Concen: 87.564 ng  
RT: 7.410 min Scan# 905  
Delta R.T. -0.012 min  
Lab File: BF134098.D  
Acq: 06 Jul 2023 15:00

Tgt Ion: 82 Resp: 698345

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.2  | 32.5  | 48.7  |
| 54  | 58.7  | 48.2  | 72.2  |

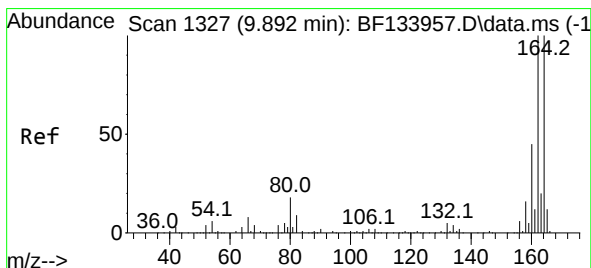
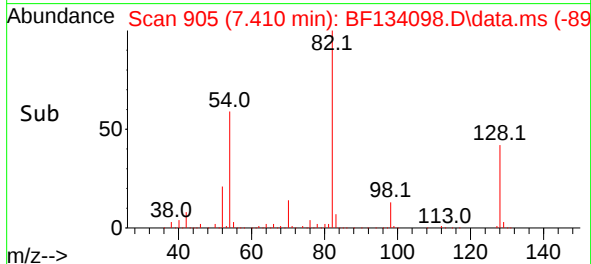
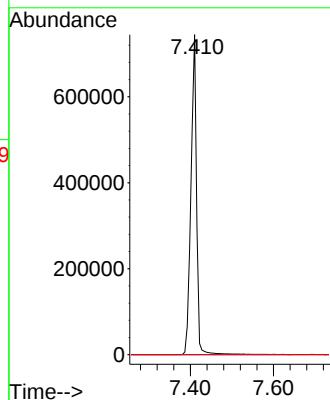
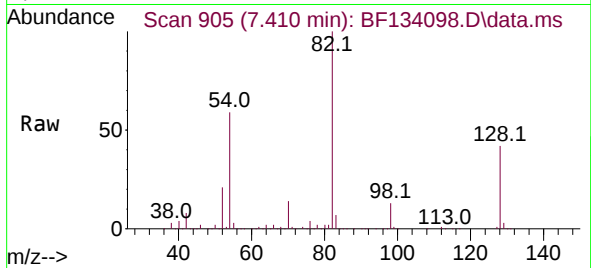




#25  
Isophorone  
Concen: 48.180 ng  
RT: 7.410 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF134098.D  
Acq: 06 Jul 2023 15:00

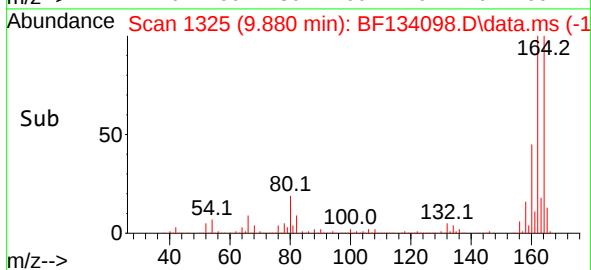
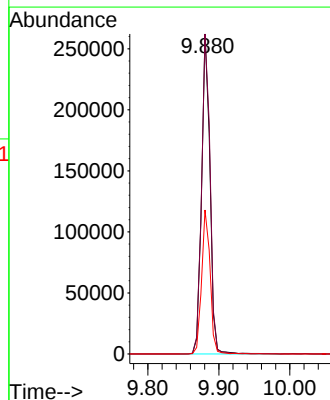
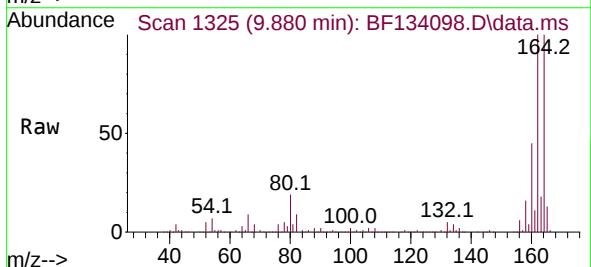
Instrument :  
BNA\_F  
ClientSampleId :  
SP-303-20230601

Tgt Ion: 82 Resp: 698340  
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: BF134098.D  
Acq: 06 Jul 2023 15:00

Tgt Ion:164 Resp: 214773  
Ion Ratio Lower Upper  
164 100  
162 99.9 80.0 120.0  
160 45.0 35.9 53.9

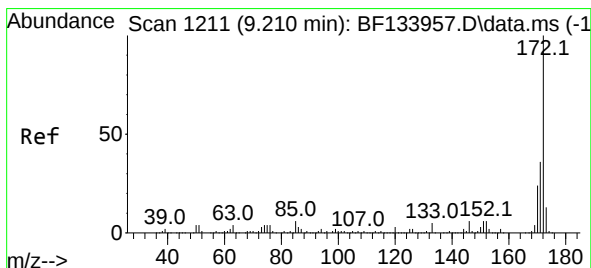
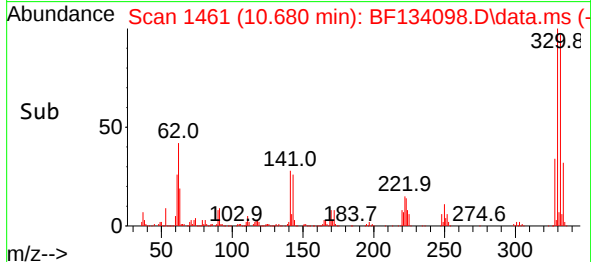
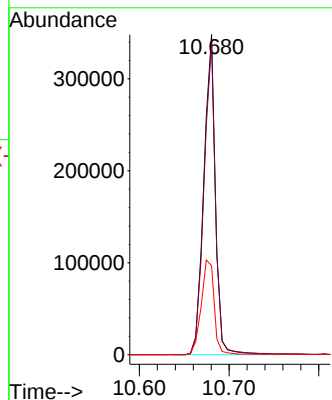
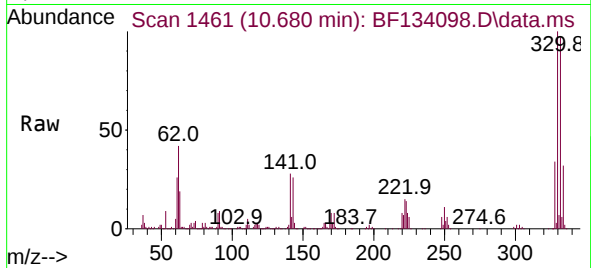




#42  
2,4,6-Tribromophenol  
Concen: 116.045 ng  
RT: 10.680 min Scan# 1462  
Delta R.T. -0.006 min  
Lab File: BF134098.D  
Acq: 06 Jul 2023 15:00

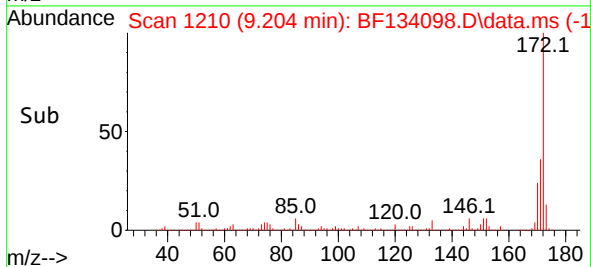
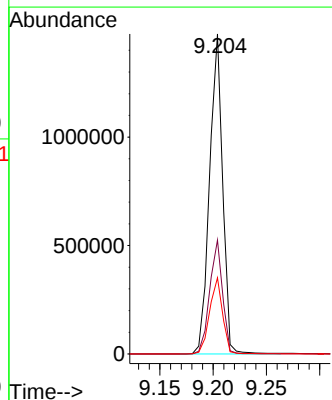
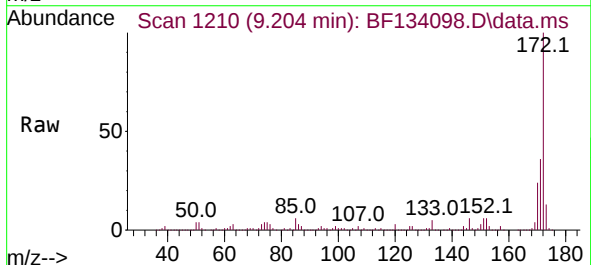
Instrument :  
BNA\_F  
ClientSampleId :  
SP-303-20230601

Tgt Ion: 330 Resp: 312489  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.0 115.6  
141 33.5 26.3 39.5



#45  
2-Fluorobiphenyl  
Concen: 85.547 ng  
RT: 9.204 min Scan# 1210  
Delta R.T. -0.006 min  
Lab File: BF134098.D  
Acq: 06 Jul 2023 15:00

Tgt Ion: 172 Resp: 1263719  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.6 43.0  
170 23.8 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.088 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF134098.D

Acq: 06 Jul 2023 15:00

Instrument :

BNA\_F

ClientSampleId :

SP-303-20230601

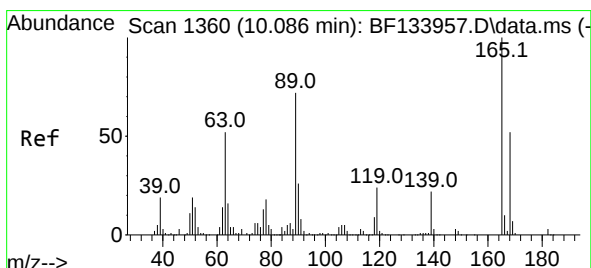
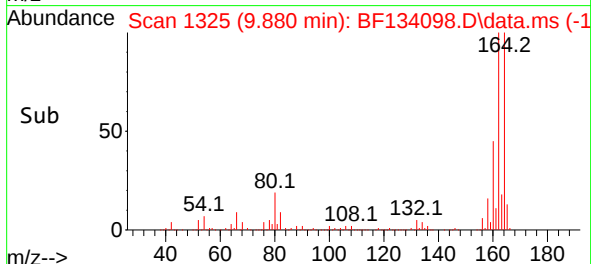
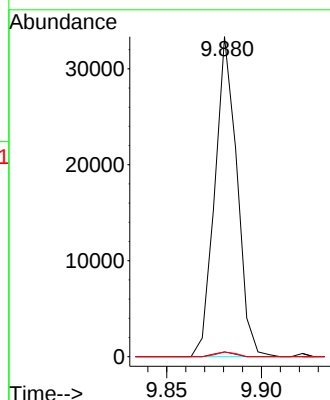
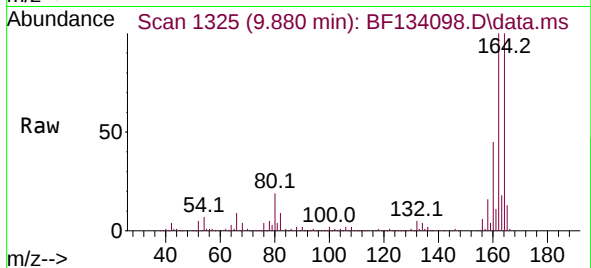
Tgt Ion:165 Resp: 27158

Ion Ratio Lower Upper

165 100

63 1.5 48.5 72.7#

89 1.5 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.124 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.206 min

Lab File: BF134098.D

Acq: 06 Jul 2023 15:00

Tgt Ion:165 Resp: 27158

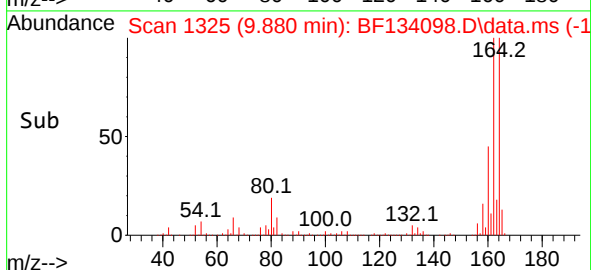
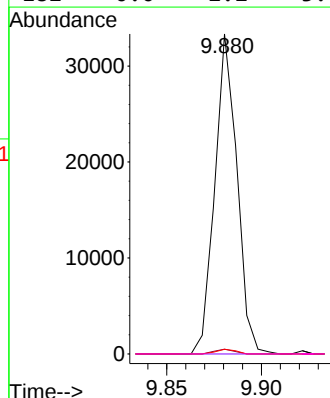
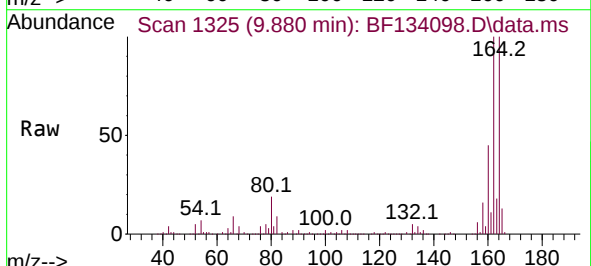
Ion Ratio Lower Upper

165 100

63 1.5 42.2 63.2#

89 1.5 57.4 86.2#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134098.D

Acq: 06 Jul 2023 15:00

Instrument :

BNA\_F

ClientSampleId :

SP-303-20230601

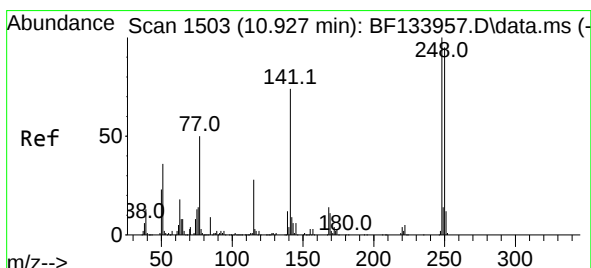
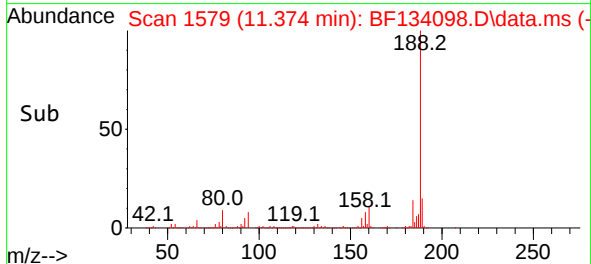
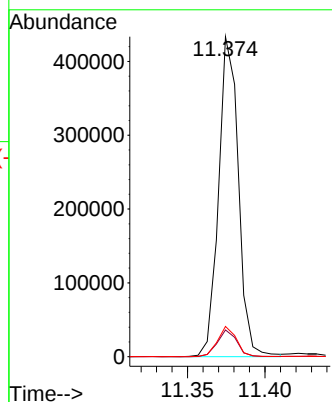
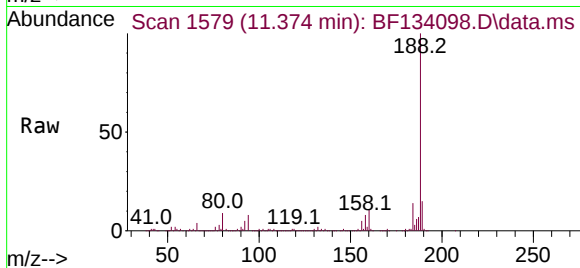
Tgt Ion:188 Resp: 385942

Ion Ratio Lower Upper

188 100

94 8.4 6.4 9.6

80 9.5 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.874 ng

RT: 10.680 min Scan# 1461

Delta R.T. -0.247 min

Lab File: BF134098.D

Acq: 06 Jul 2023 15:00

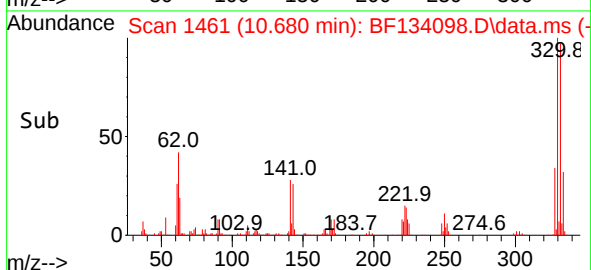
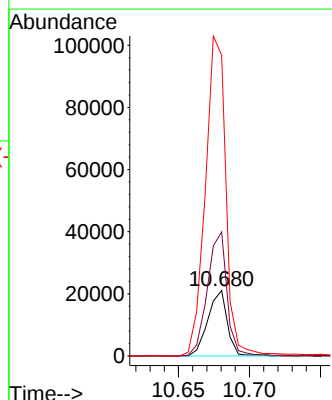
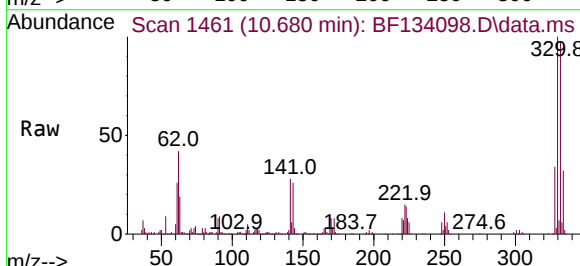
Tgt Ion:248 Resp: 19994

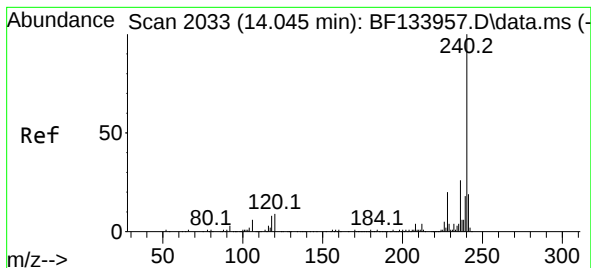
Ion Ratio Lower Upper

248 100

250 189.4 76.2 114.4#

141 459.1 59.0 88.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2033

Delta R.T. -0.018 min

Lab File: BF134098.D

Acq: 06 Jul 2023 15:00

Instrument :

BNA\_F

ClientSampleId :

SP-303-20230601

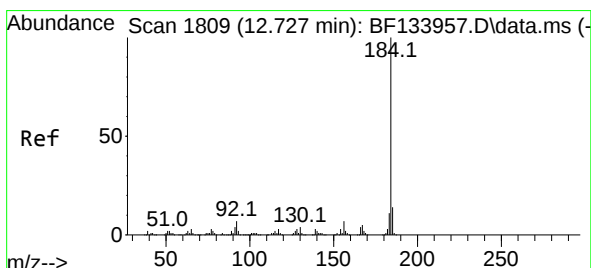
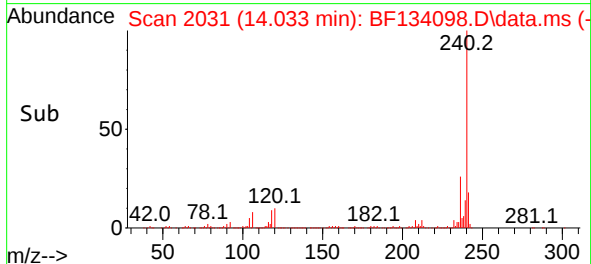
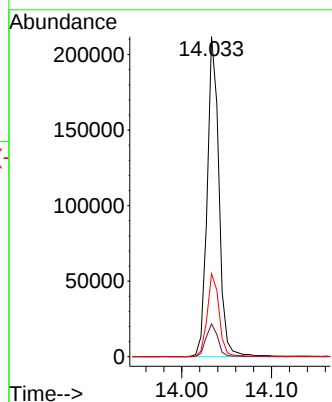
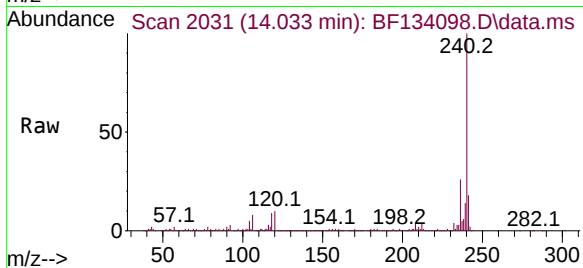
Tgt Ion:240 Resp: 192830

Ion Ratio Lower Upper

240 100

120 10.3 7.4 11.0

236 25.9 21.0 31.6



#77

Benzidine

Concen: 3.490 ng

RT: 12.974 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF134098.D

Acq: 06 Jul 2023 15:00

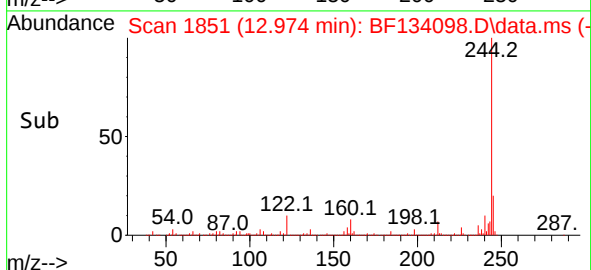
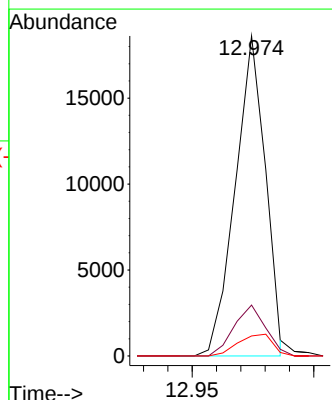
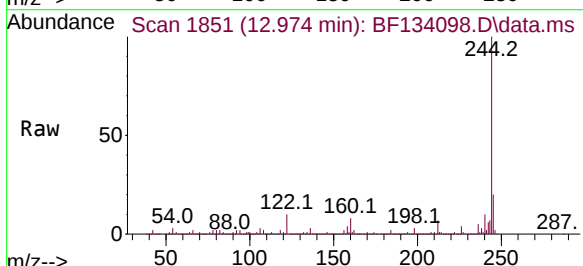
Tgt Ion:184 Resp: 16013

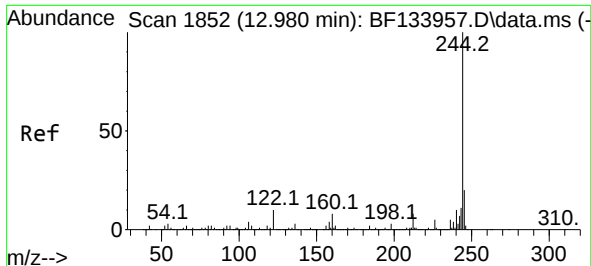
Ion Ratio Lower Upper

184 100

185 15.9 11.6 17.4

183 6.2 8.8 13.2#

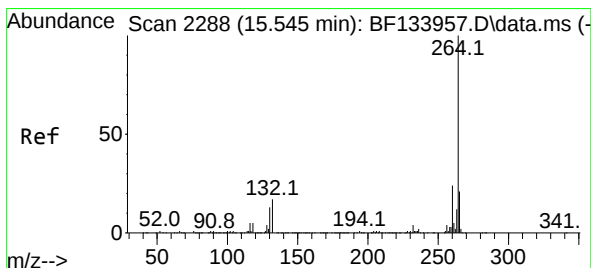
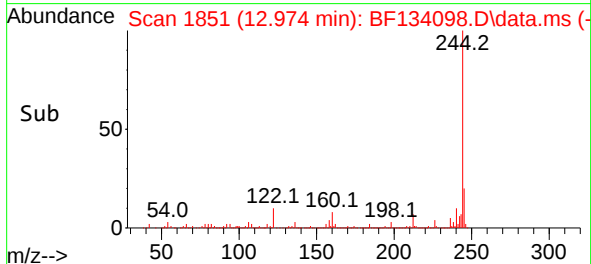
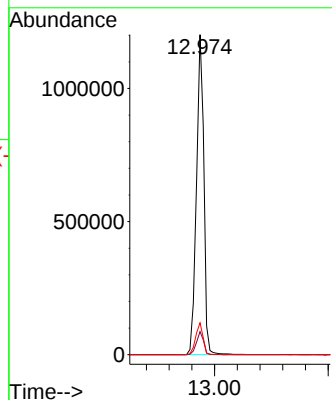
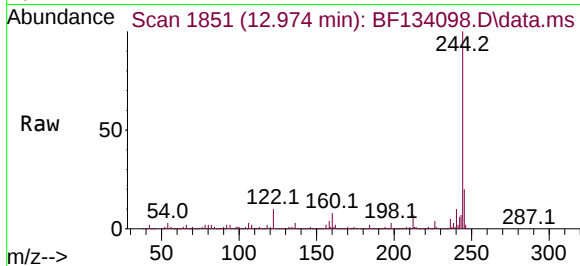




#79  
Terphenyl-d14  
Concen: 91.407 ng  
RT: 12.974 min Scan# 1851  
Delta R.T. -0.012 min  
Lab File: BF134098.D  
Acq: 06 Jul 2023 15:00

Instrument :  
BNA\_F  
ClientSampleId :  
SP-303-20230601

Tgt Ion:244 Resp: 1095177  
Ion Ratio Lower Upper  
244 100  
212 7.2 6.0 9.0  
122 10.0 8.3 12.5



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.539 min Scan# 2287  
Delta R.T. -0.012 min  
Lab File: BF134098.D  
Acq: 06 Jul 2023 15:00

Tgt Ion:264 Resp: 237343  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.5 29.3  
265 22.3 16.6 25.0

