

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021325\  
 Data File : BF141618.D  
 Acq On : 13 Feb 2025 16:49  
 Operator : RC/JU  
 Sample : Q1356-08  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WATER-FB

Quant Time: Feb 13 17:17:58 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 06 16:58:59 2025  
 Response via : Initial Calibration

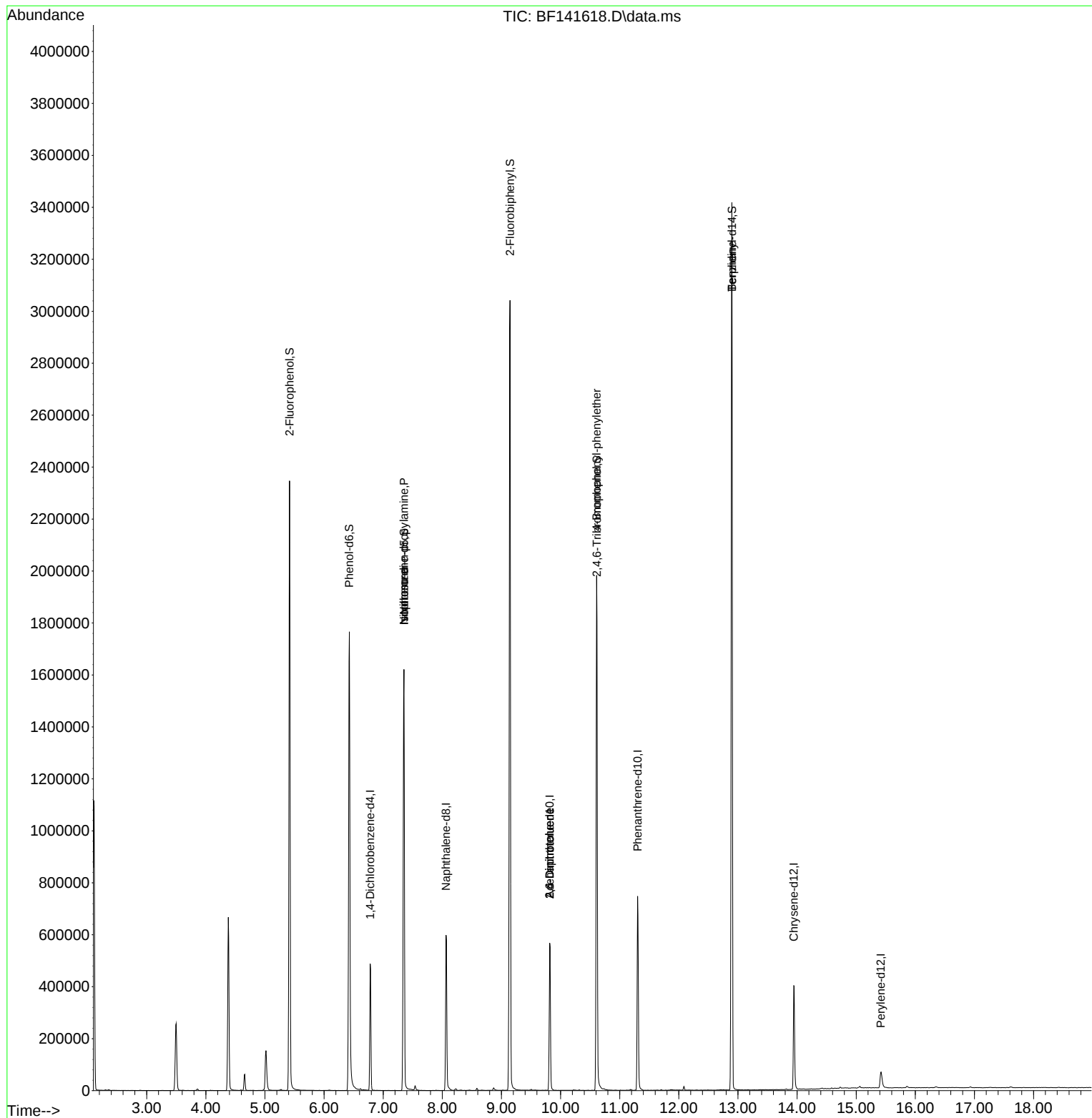
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 104323   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.063  | 136  | 424862   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 172171   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.304 | 188  | 390131   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.945 | 240  | 189304   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 15.415 | 264  | 23434    | 20.000  | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.416  | 112  | 864352   | 129.893 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.428  | 99   | 873917   | 103.907 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 802993   | 98.580  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 347348   | 200.833 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 1481769  | 132.594 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.898 | 244  | 1723835  | 153.728 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 108541   | 21.575  | ng    | # 73     |
| 25) Isophorone                | 7.351  | 82   | 792401   | 61.010  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 22225    | 8.698   | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 22225    | 6.534   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 23862    | 5.473   | ng    | # 1      |
| 77) Benzidine                 | 12.898 | 184  | 23363    | 5.596   | ng    | 96       |
| -----                         |        |      |          |         |       |          |

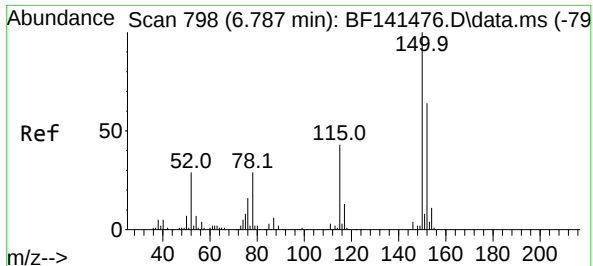
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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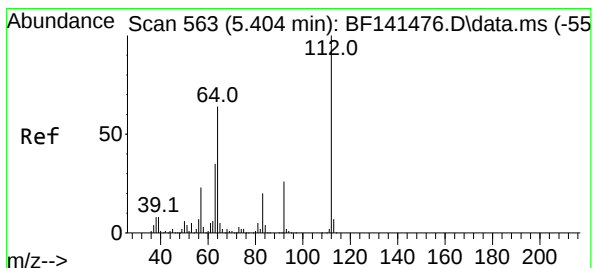
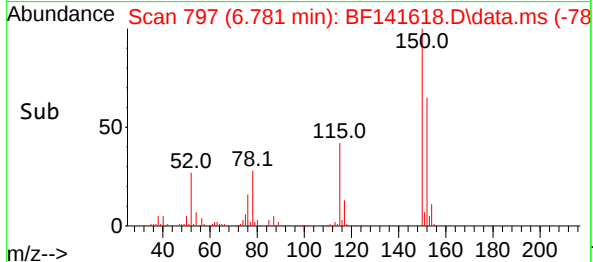
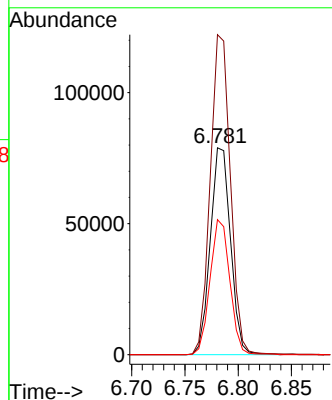
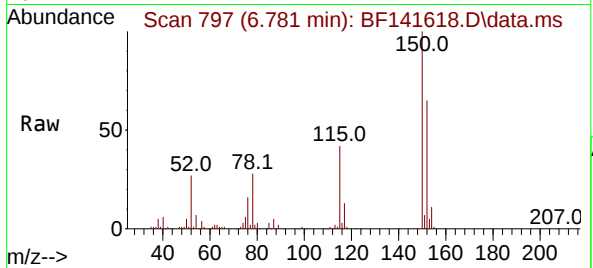




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 798  
Delta R.T. -0.011 min  
Lab File: BF141618.D  
Acq: 13 Feb 2025 16:49

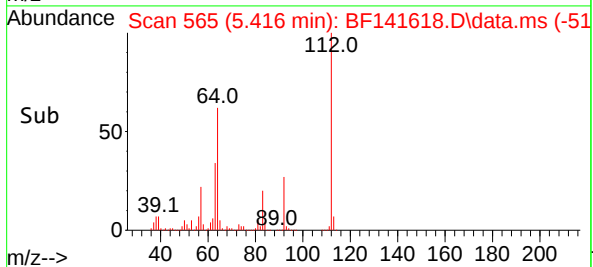
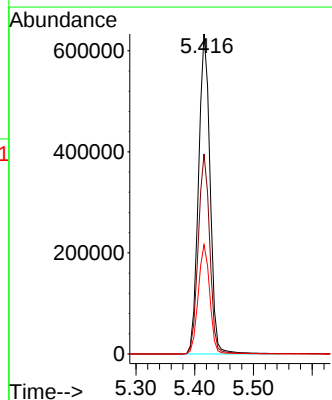
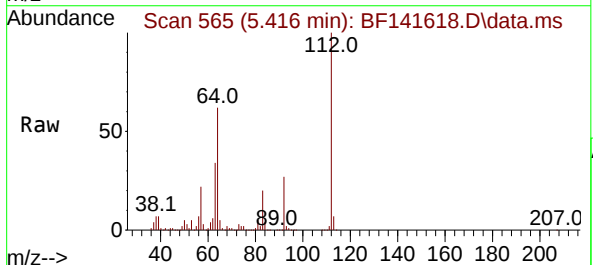
Instrument :  
BNA\_F  
ClientSampleId :  
WATER-FB

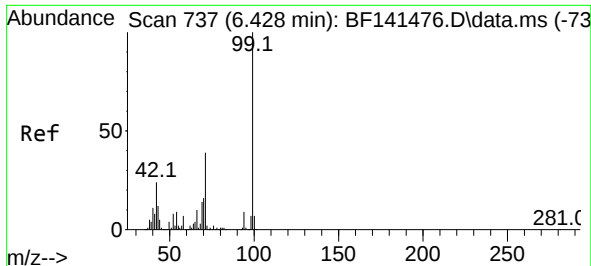
Tgt Ion:152 Resp: 104323  
Ion Ratio Lower Upper  
152 100  
150 154.7 125.0 187.4  
115 65.3 53.6 80.4



#5  
2-Fluorophenol  
Concen: 129.893 ng  
RT: 5.416 min Scan# 565  
Delta R.T. 0.006 min  
Lab File: BF141618.D  
Acq: 13 Feb 2025 16:49

Tgt Ion:112 Resp: 864352  
Ion Ratio Lower Upper  
112 100  
64 62.5 51.1 76.7  
63 34.2 28.4 42.6

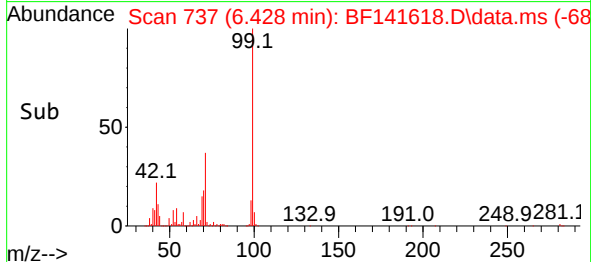
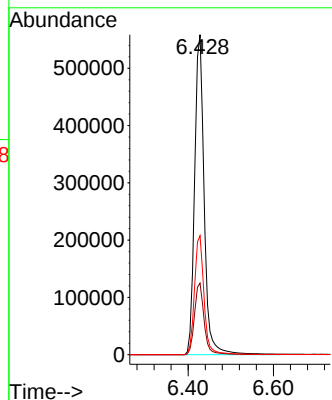
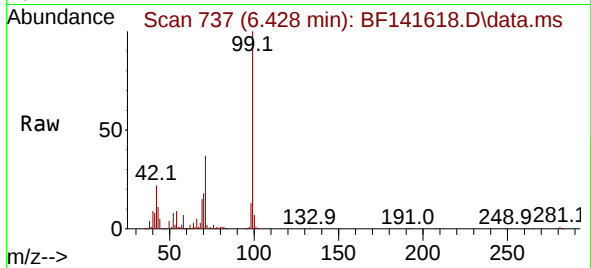




#7  
Phenol-d6  
Concen: 103.907 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF141618.D  
Acq: 13 Feb 2025 16:49

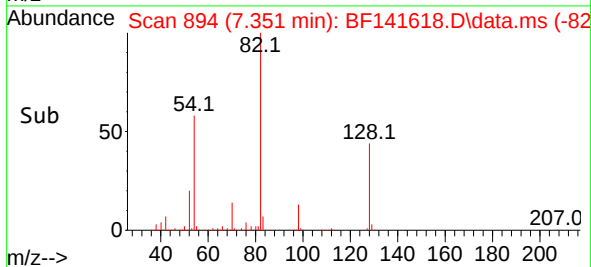
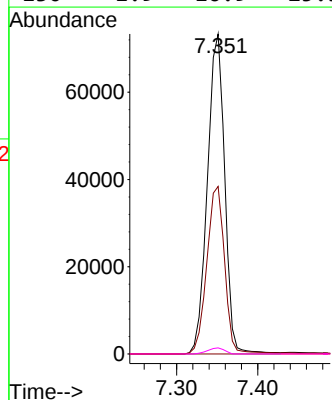
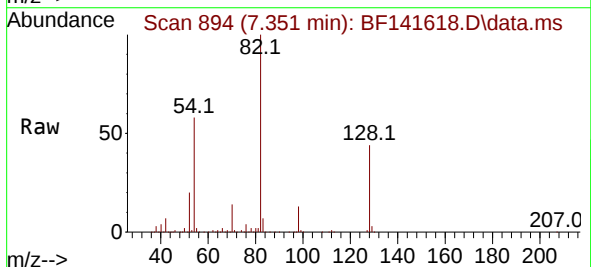
Instrument :  
BNA\_F  
ClientSampleId :  
WATER-FB

Tgt Ion: 99 Resp: 873917  
Ion Ratio Lower Upper  
99 100  
42 22.3 19.1 28.7  
71 37.2 31.1 46.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 21.575 ng  
RT: 7.351 min Scan# 894  
Delta R.T. 0.135 min  
Lab File: BF141618.D  
Acq: 13 Feb 2025 16:49

Tgt Ion: 70 Resp: 108541  
Ion Ratio Lower Upper  
70 100  
42 52.4 57.4 86.2#  
101 0.0 8.0 12.0#  
130 1.9 16.9 25.3#



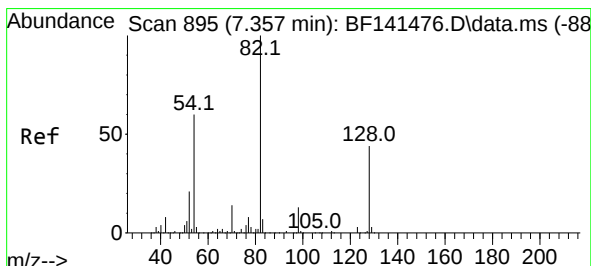
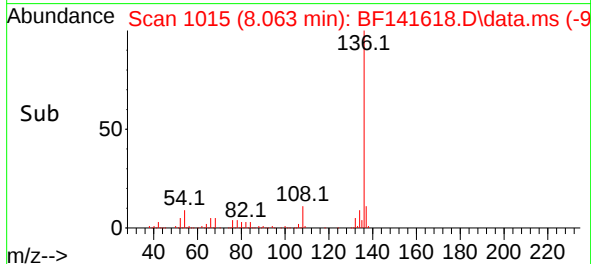
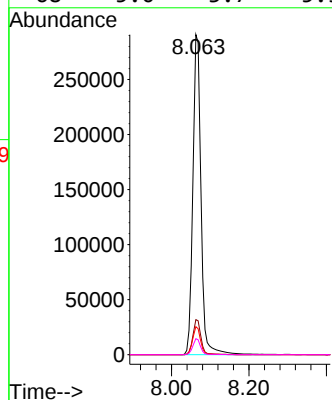
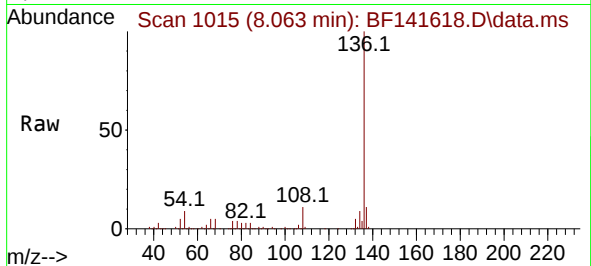


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BF141618.D  
Acq: 13 Feb 2025 16:49

Instrument :  
BNA\_F  
ClientSampleId :  
WATER-FB

Tgt Ion:136 Resp: 424862

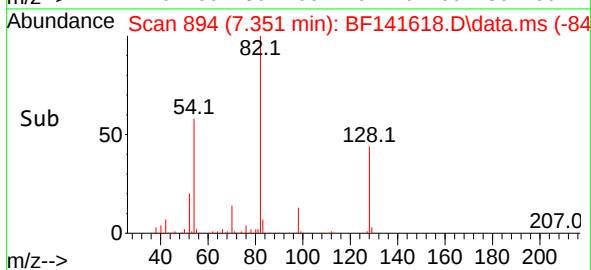
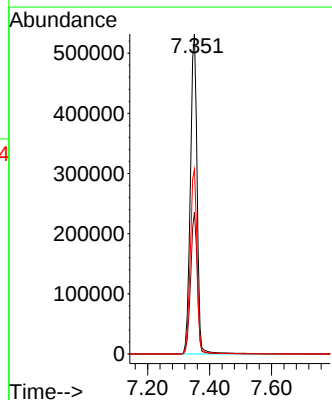
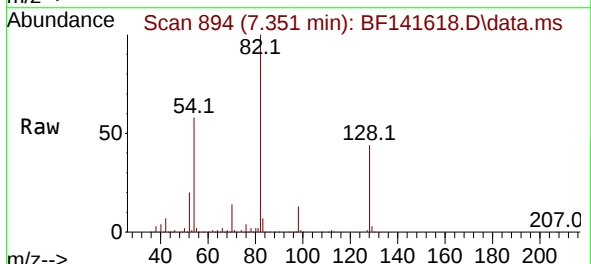
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.6   | 13.0  |
| 54  | 8.7   | 7.2   | 10.8  |
| 68  | 5.0   | 3.7   | 5.5   |

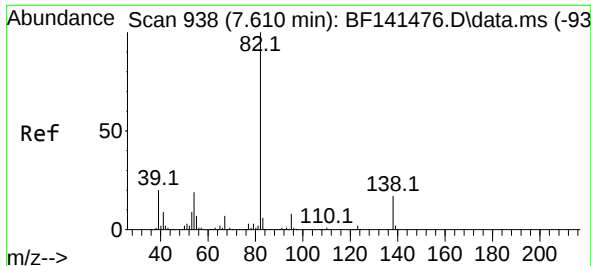


#23  
Nitrobenzene-d5  
Concen: 98.580 ng  
RT: 7.351 min Scan# 894  
Delta R.T. -0.012 min  
Lab File: BF141618.D  
Acq: 13 Feb 2025 16:49

Tgt Ion: 82 Resp: 802993

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.4  | 34.8  | 52.2  |
| 54  | 57.8  | 48.2  | 72.4  |

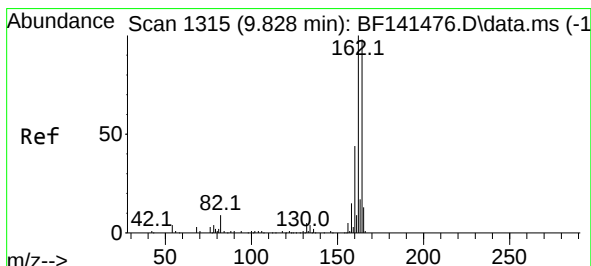
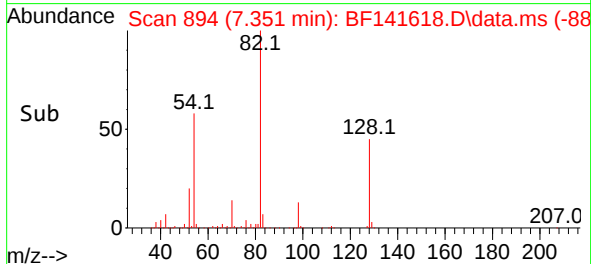
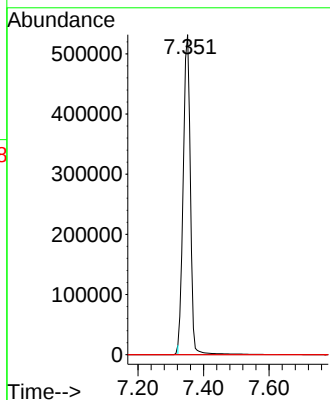
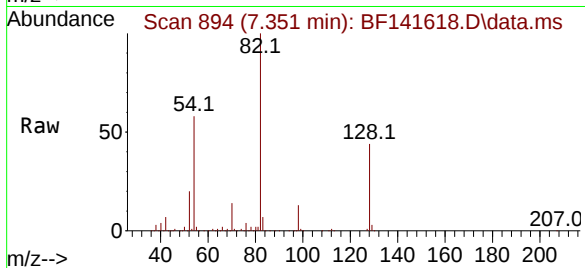




#25  
Isophorone  
Concen: 61.010 ng  
RT: 7.351 min Scan# 894  
Delta R.T. -0.271 min  
Lab File: BF141618.D  
Acq: 13 Feb 2025 16:49

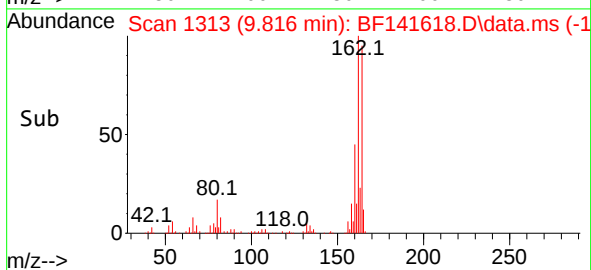
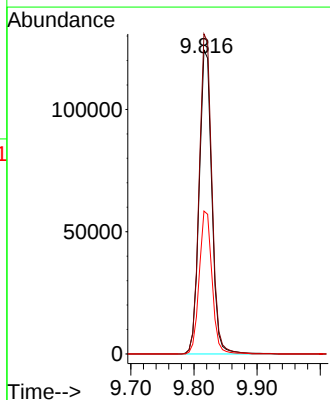
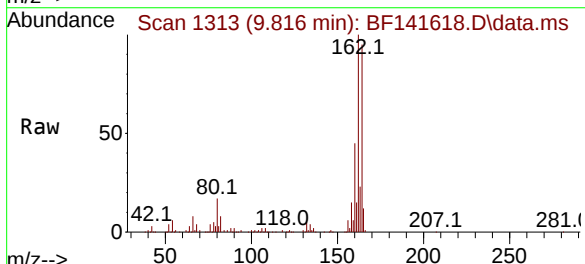
Instrument :  
BNA\_F  
ClientSampleId :  
WATER-FB

Tgt Ion: 82 Resp: 792401  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 13.9 20.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1313  
Delta R.T. -0.018 min  
Lab File: BF141618.D  
Acq: 13 Feb 2025 16:49

Tgt Ion:164 Resp: 172171  
Ion Ratio Lower Upper  
164 100  
162 105.3 81.3 121.9  
160 47.0 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 200.833 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF141618.D

Acq: 13 Feb 2025 16:49

Instrument :

BNA\_F

ClientSampleId :

WATER-FB

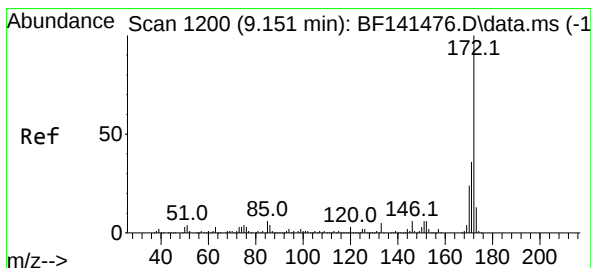
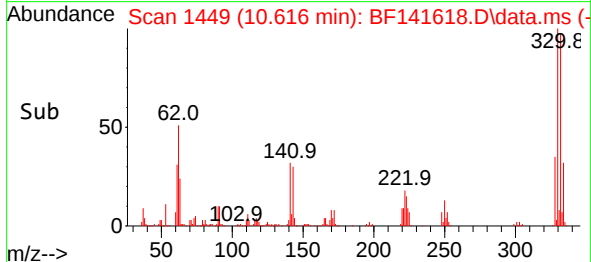
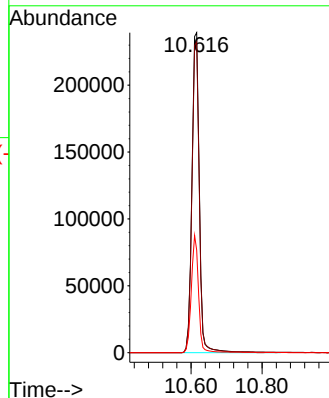
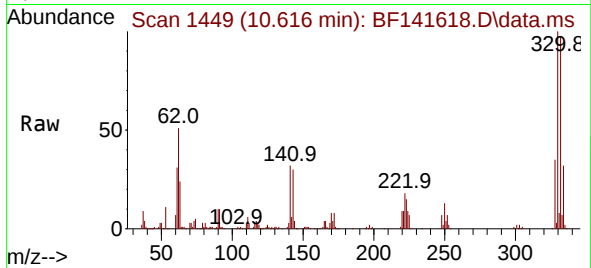
Tgt Ion:330 Resp: 347348

Ion Ratio Lower Upper

330 100

332 97.2 78.5 117.7

141 35.6 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 132.594 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141618.D

Acq: 13 Feb 2025 16:49

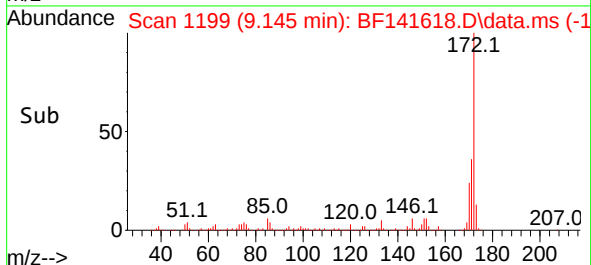
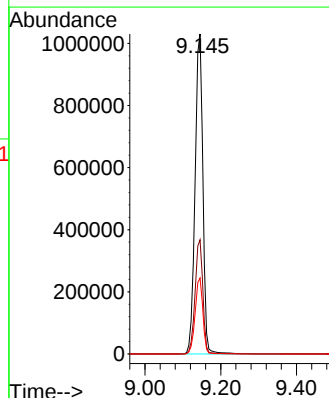
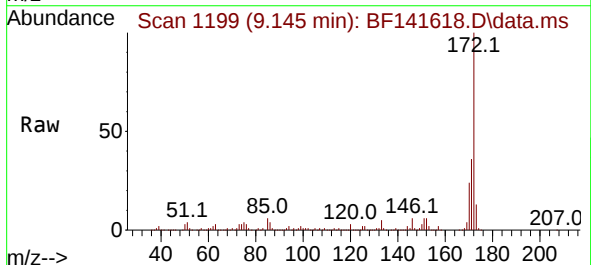
Tgt Ion:172 Resp: 1481769

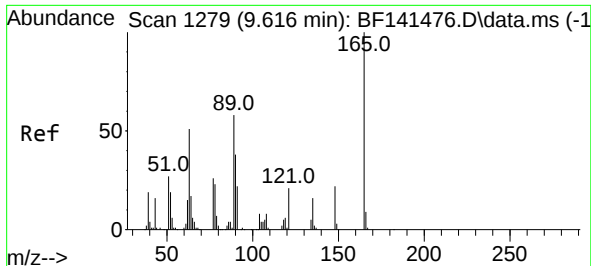
Ion Ratio Lower Upper

172 100

171 35.7 28.7 43.1

170 23.7 18.9 28.3

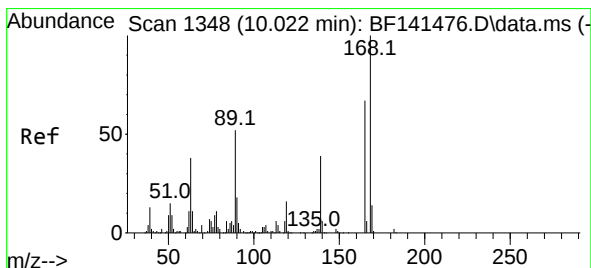
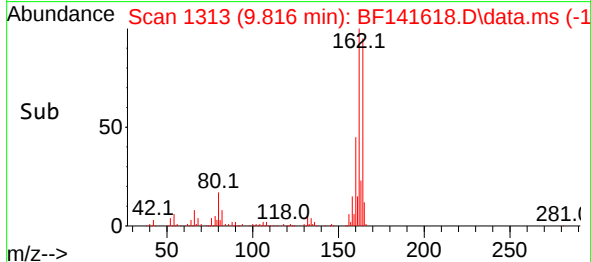
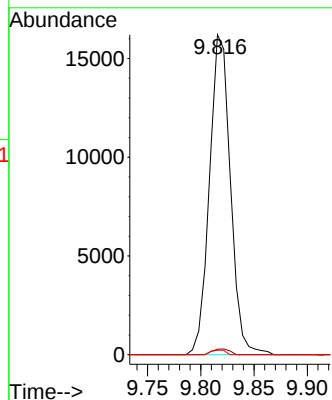
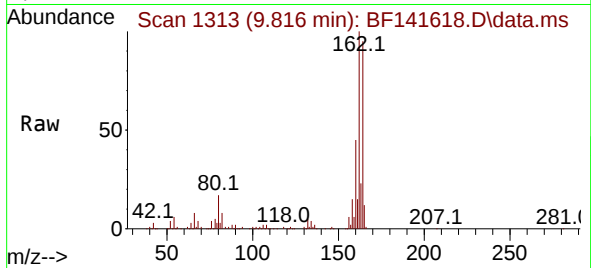




#51  
2,6-Dinitrotoluene  
Concen: 8.698 ng  
RT: 9.816 min Scan# 1313  
Delta R.T. 0.194 min  
Lab File: BF141618.D  
Acq: 13 Feb 2025 16:49

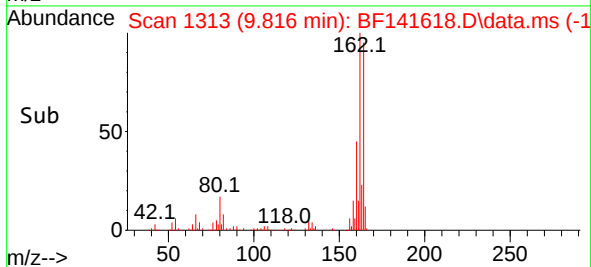
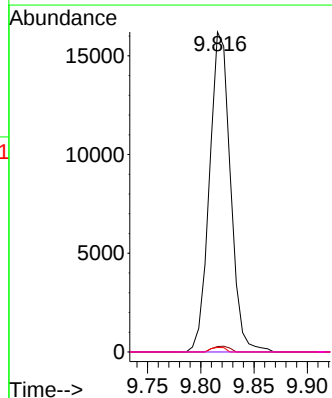
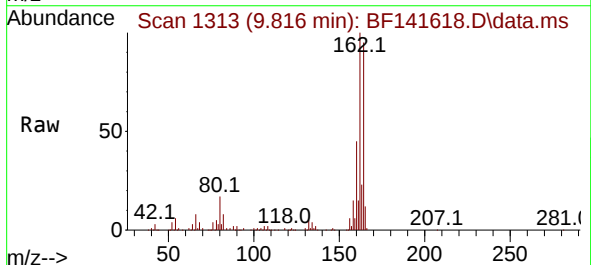
Instrument :  
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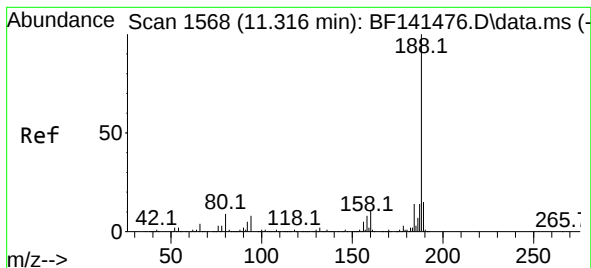
Tgt Ion:165 Resp: 22225  
Ion Ratio Lower Upper  
165 100  
63 1.7 49.4 74.0#  
89 1.4 46.5 69.7#



#57  
2,4-Dinitrotoluene  
Concen: 6.534 ng  
RT: 9.816 min Scan# 1313  
Delta R.T. -0.212 min  
Lab File: BF141618.D  
Acq: 13 Feb 2025 16:49

Tgt Ion:165 Resp: 22225  
Ion Ratio Lower Upper  
165 100  
63 1.7 46.4 69.6#  
89 1.4 61.8 92.6#  
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141618.D

Acq: 13 Feb 2025 16:49

Instrument :

BNA\_F

ClientSampleId :

WATER-FB

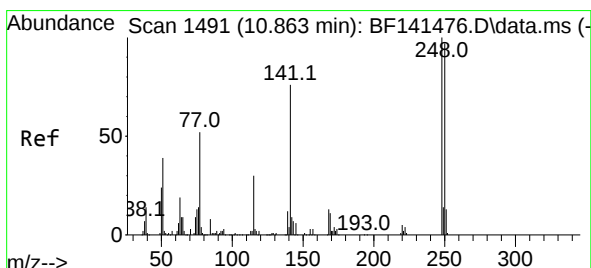
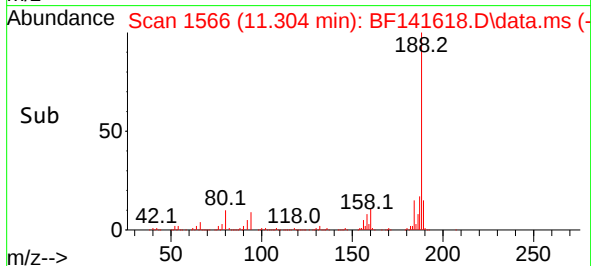
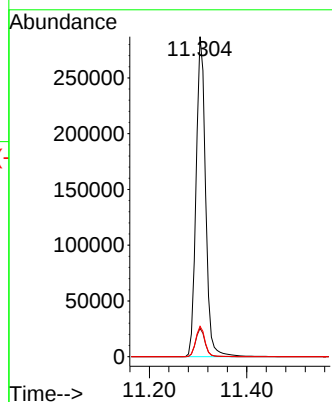
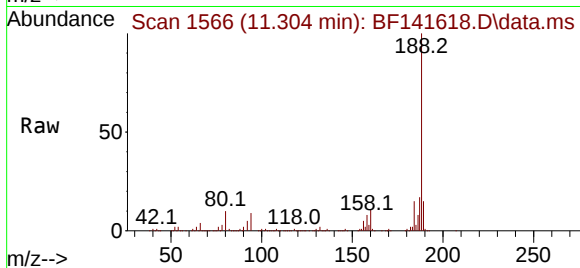
Tgt Ion:188 Resp: 390131

Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 9.5 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 5.473 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141618.D

Acq: 13 Feb 2025 16:49

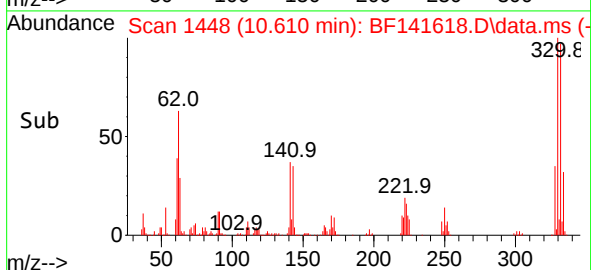
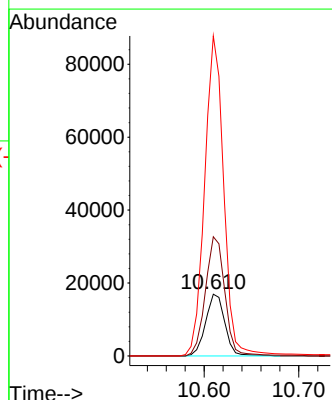
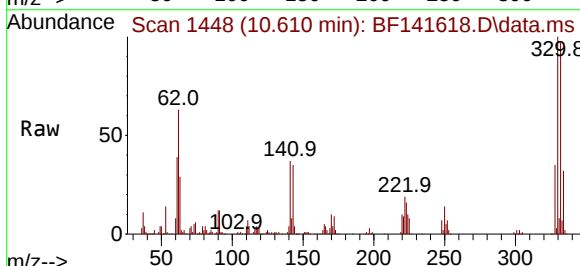
Tgt Ion:248 Resp: 23862

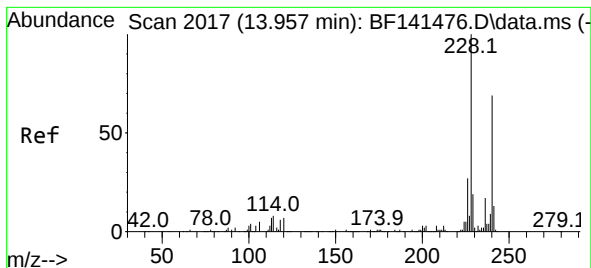
Ion Ratio Lower Upper

248 100

250 193.0 77.8 116.6#

141 517.9 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141618.D

Acq: 13 Feb 2025 16:49

Instrument :

BNA\_F

ClientSampleId :

WATER-FB

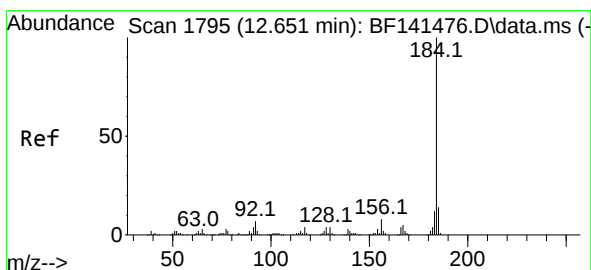
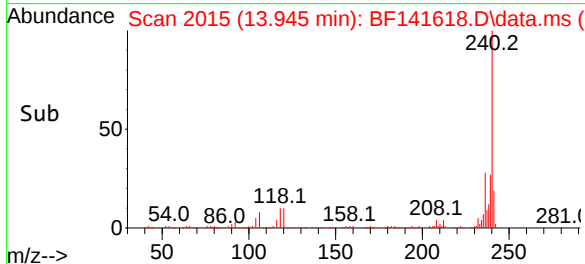
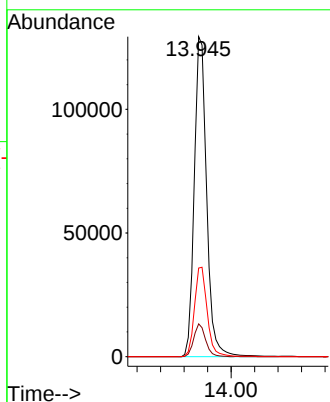
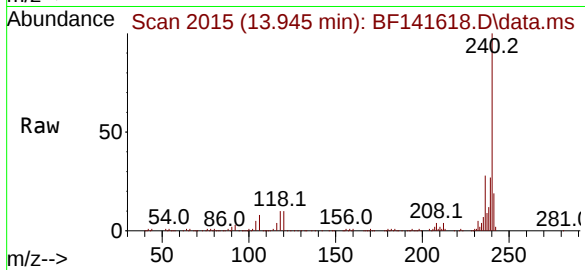
Tgt Ion:240 Resp: 189304

Ion Ratio Lower Upper

240 100

120 10.2 8.0 12.0

236 27.7 19.8 29.8



#77

Benzidine

Concen: 5.596 ng

RT: 12.898 min Scan# 1837

Delta R.T. 0.241 min

Lab File: BF141618.D

Acq: 13 Feb 2025 16:49

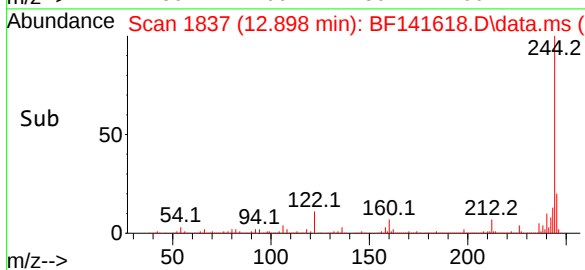
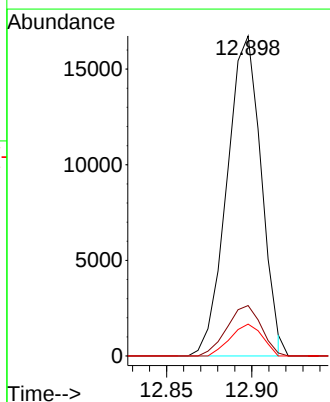
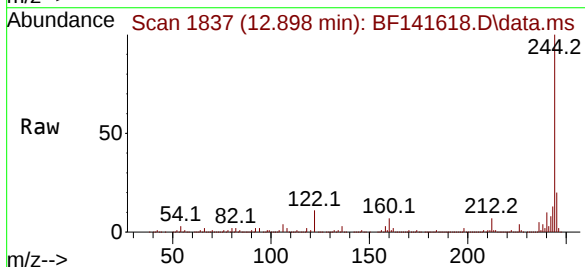
Tgt Ion:184 Resp: 23363

Ion Ratio Lower Upper

184 100

185 15.7 11.3 16.9

183 10.0 9.3 13.9

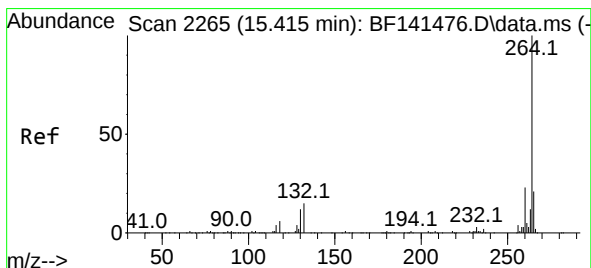
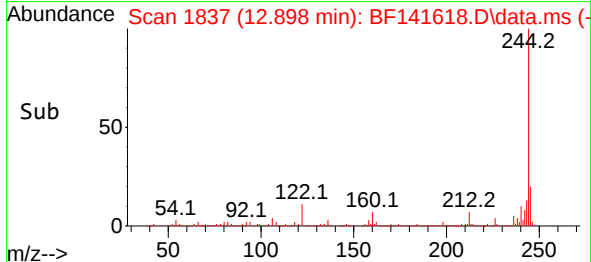
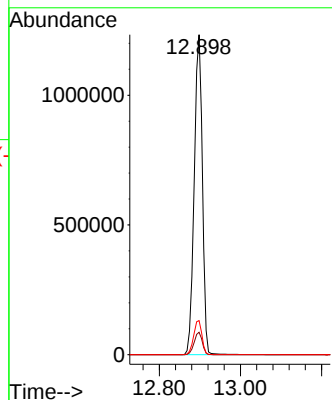
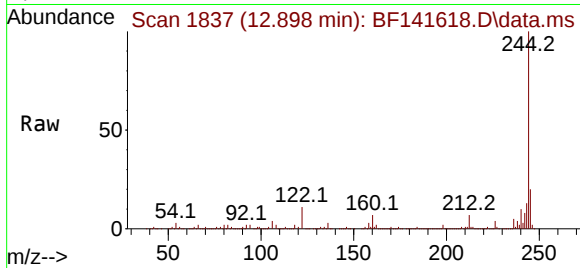




#79  
 Terphenyl-d14  
 Concen: 153.728 ng  
 RT: 12.898 min Scan# 1837  
 Delta R.T. -0.006 min  
 Lab File: BF141618.D  
 Acq: 13 Feb 2025 16:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WATER-FB

Tgt Ion:244 Resp: 1723835  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.6 8.4  
 122 10.6 8.4 12.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.415 min Scan# 2265  
 Delta R.T. 0.000 min  
 Lab File: BF141618.D  
 Acq: 13 Feb 2025 16:49

Tgt Ion:264 Resp: 23434  
 Ion Ratio Lower Upper  
 264 100  
 260 41.9 18.6 28.0#  
 265 22.0 17.0 25.4

