

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100724\  
 Data File : BF139690.D  
 Acq On : 07 Oct 2024 17:02  
 Operator : RC/JU  
 Sample : P4285-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WATER-TOTES

Quant Time: Oct 07 17:31:18 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 02 04:58:47 2024  
 Response via : Initial Calibration

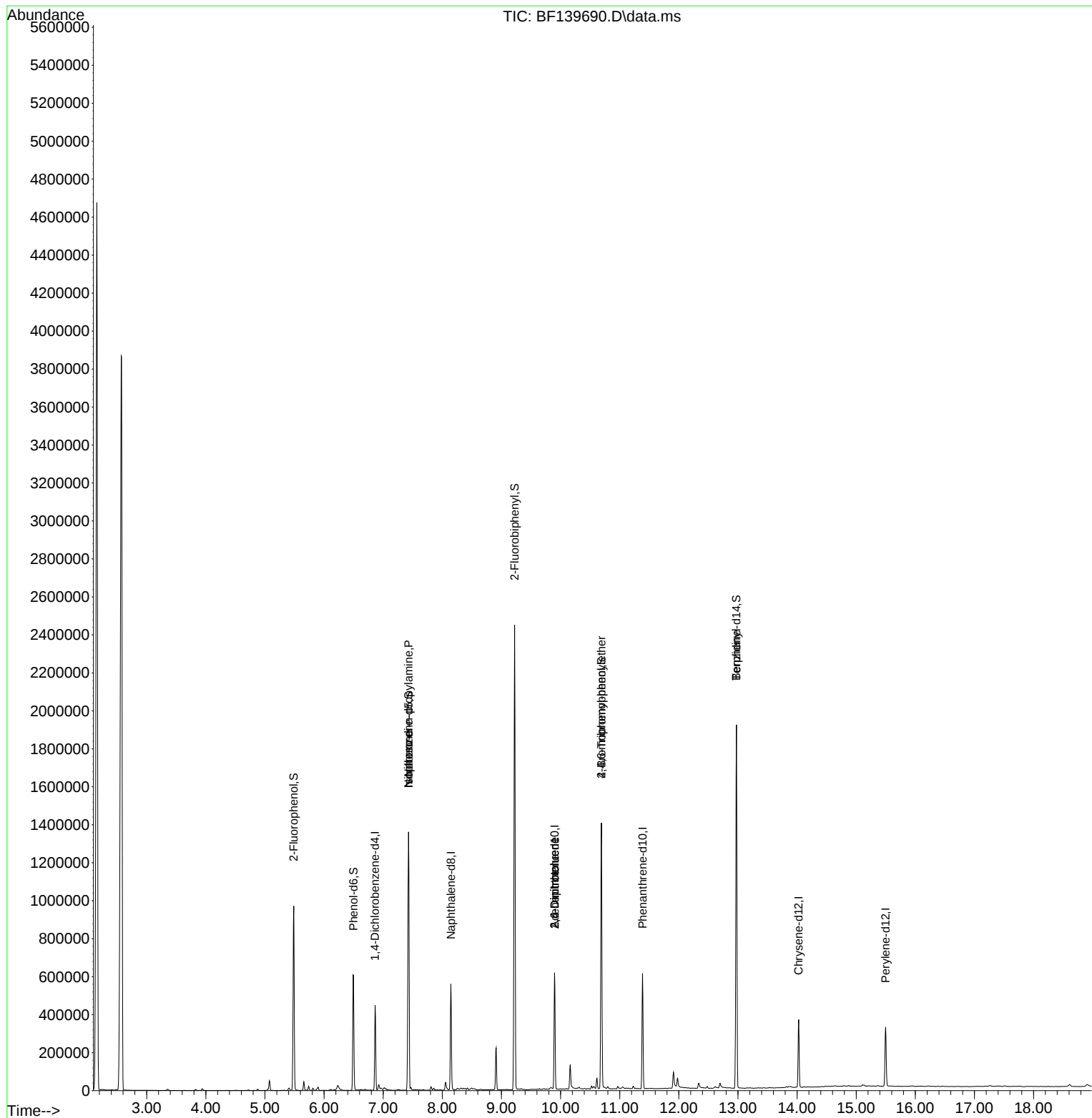
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 90457    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.145  | 136  | 326769   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.898  | 164  | 178080   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.386 | 188  | 307222   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 161840   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 175613   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 327797   | 62.809  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 272466   | 38.822  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 599770   | 92.930  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 221061   | 128.593 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 1042197  | 89.845  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 915108   | 92.779  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.428  | 70   | 81918    | 18.155  | ng    | # 75     |
| 25) Isophorone                | 7.428  | 82   | 596347   | 52.023  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.898  | 165  | 22180    | 8.423   | ng    | # 18     |
| 57) 2,4-Dinitrotoluene        | 9.898  | 165  | 22180    | 6.444   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 15258    | 4.844   | ng    | # 1      |
| 77) Benzidine                 | 12.974 | 184  | 12807    | 4.486   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 02 04:58:47 2024  
Response via : Initial Calibration

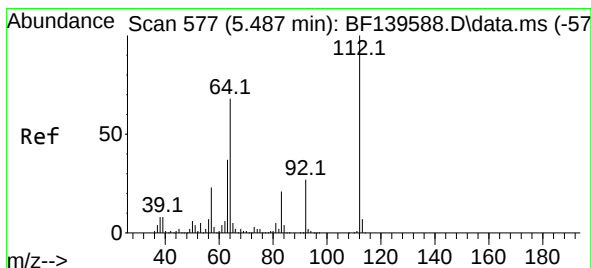
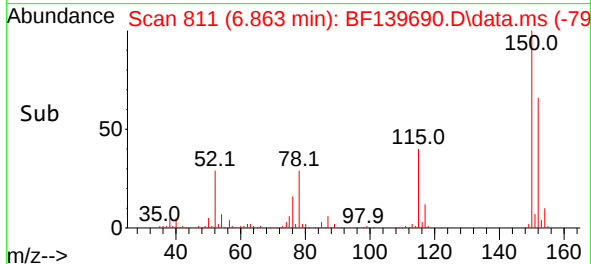
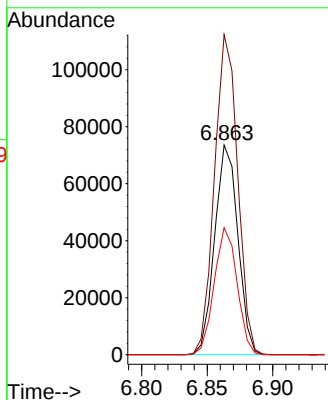
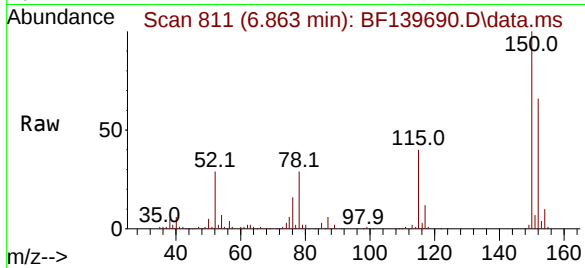




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 812  
Delta R.T. -0.006 min  
Lab File: BF139690.D  
Acq: 07 Oct 2024 17:02

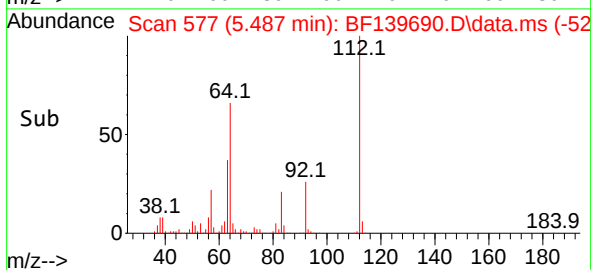
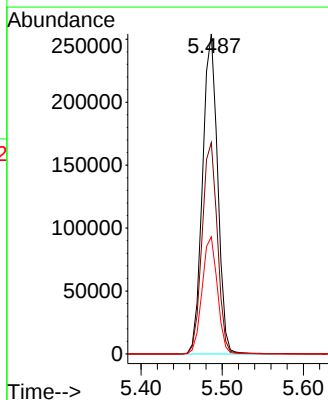
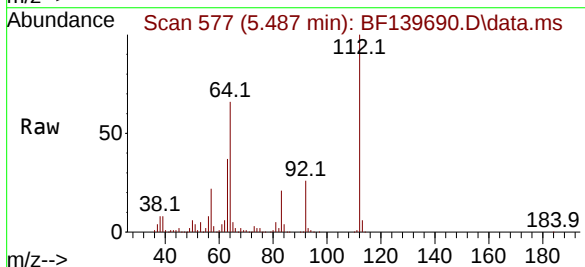
Instrument :  
BNA\_F  
ClientSampleId :  
WATER-TOTES

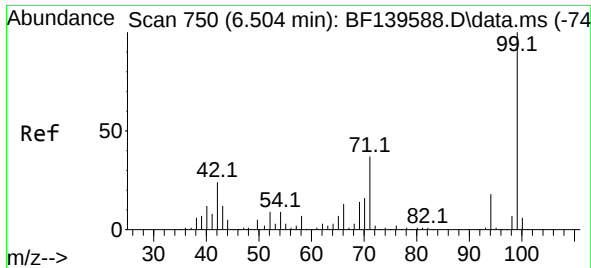
Tgt Ion:152 Resp: 90457  
Ion Ratio Lower Upper  
152 100  
150 152.7 127.2 190.8  
115 60.6 49.0 73.4



#5  
2-Fluorophenol  
Concen: 62.809 ng  
RT: 5.487 min Scan# 577  
Delta R.T. -0.000 min  
Lab File: BF139690.D  
Acq: 07 Oct 2024 17:02

Tgt Ion:112 Resp: 327797  
Ion Ratio Lower Upper  
112 100  
64 66.1 54.2 81.4  
63 36.6 29.4 44.2

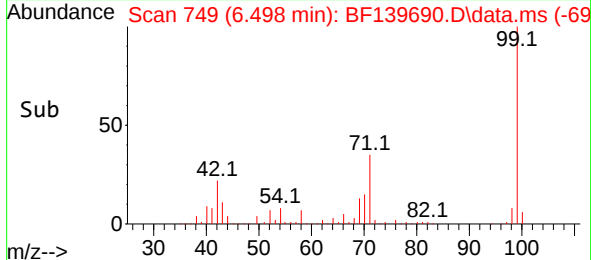
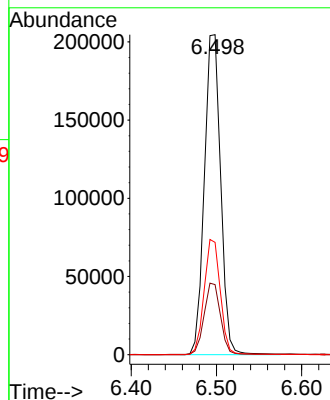
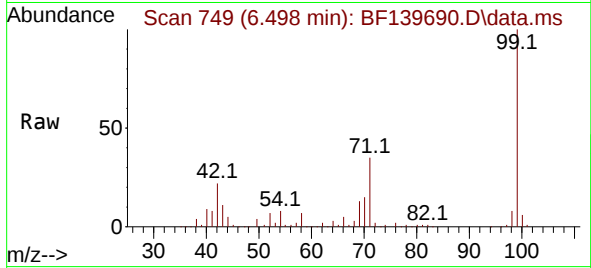




#7  
Phenol-d6  
Concen: 38.822 ng  
RT: 6.498 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF139690.D  
Acq: 07 Oct 2024 17:02

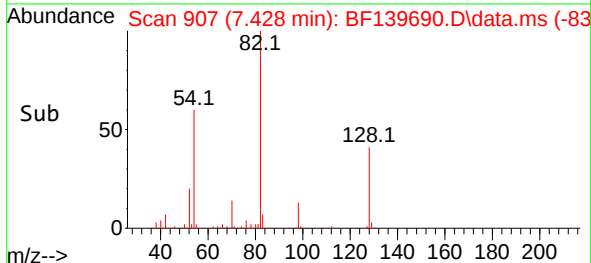
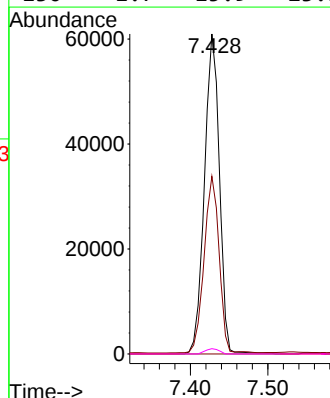
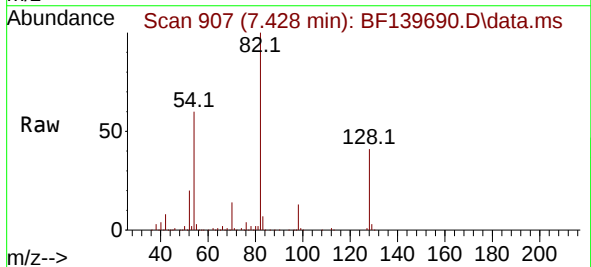
Instrument :  
BNA\_F  
ClientSampleId :  
WATER-TOTES

Tgt Ion: 99 Resp: 272466  
Ion Ratio Lower Upper  
99 100  
42 21.9 19.1 28.7  
71 35.1 29.7 44.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.155 ng  
RT: 7.428 min Scan# 907  
Delta R.T. 0.141 min  
Lab File: BF139690.D  
Acq: 07 Oct 2024 17:02

Tgt Ion: 70 Resp: 81918  
Ion Ratio Lower Upper  
70 100  
42 55.5 58.0 87.0#  
101 0.0 7.8 11.8#  
130 1.7 15.9 23.9#

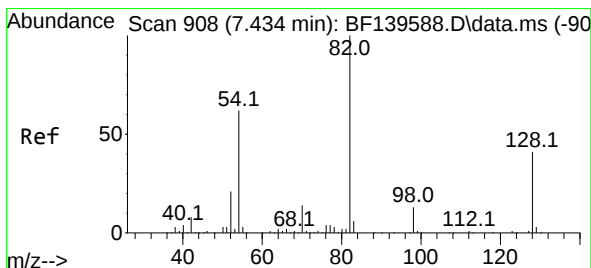
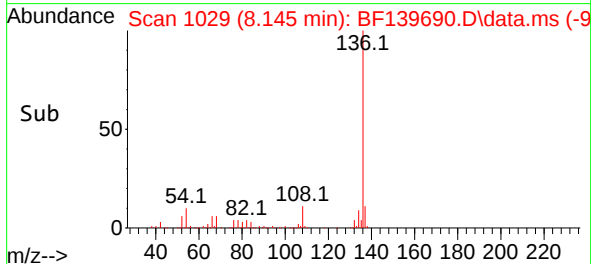
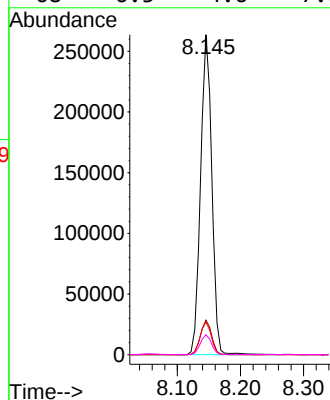
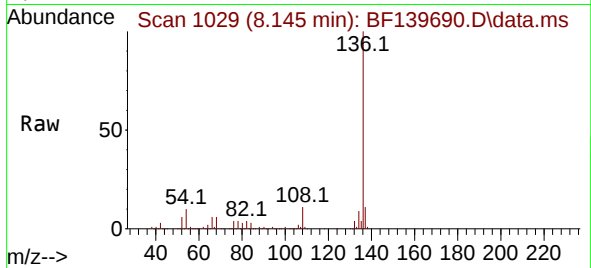




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF139690.D  
Acq: 07 Oct 2024 17:02

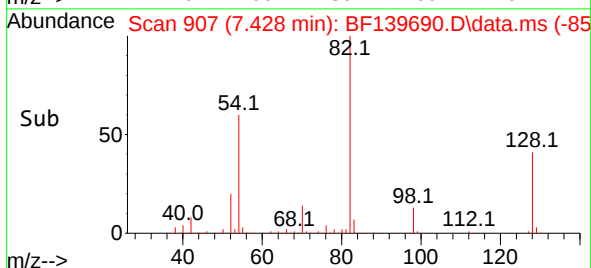
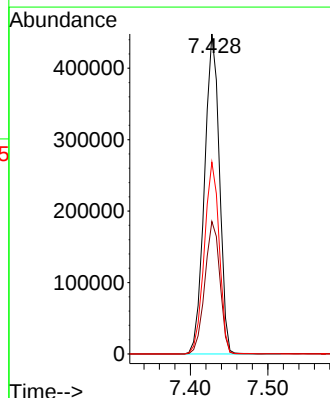
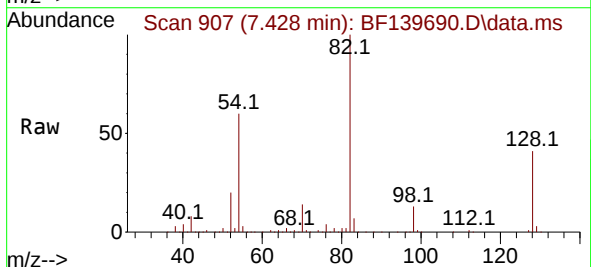
Instrument :  
BNA\_F  
ClientSampleId :  
WATER-TOTES

Tgt Ion:136 Resp: 326769  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 10.2 8.3 12.5  
68 6.3 4.6 7.0



#23  
Nitrobenzene-d5  
Concen: 92.930 ng  
RT: 7.428 min Scan# 907  
Delta R.T. -0.006 min  
Lab File: BF139690.D  
Acq: 07 Oct 2024 17:02

Tgt Ion: 82 Resp: 599770  
Ion Ratio Lower Upper  
82 100  
128 41.4 32.4 48.6  
54 60.0 49.1 73.7

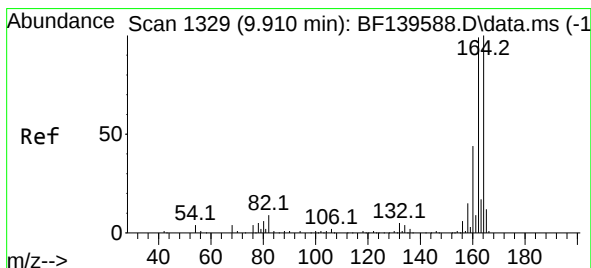
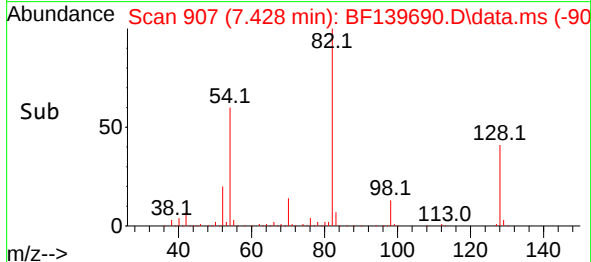
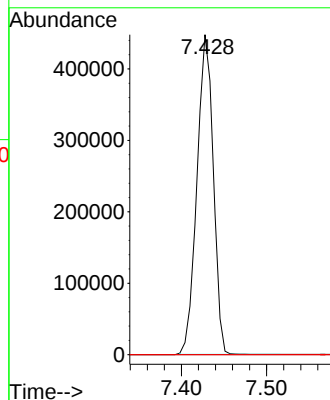
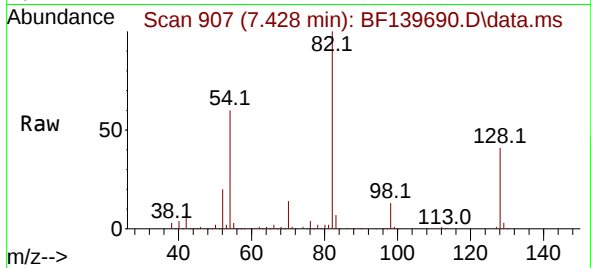




#25  
Isophorone  
Concen: 52.023 ng  
RT: 7.428 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF139690.D  
Acq: 07 Oct 2024 17:02

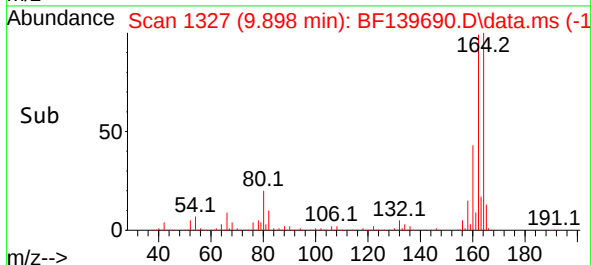
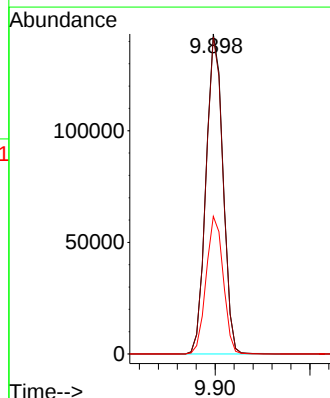
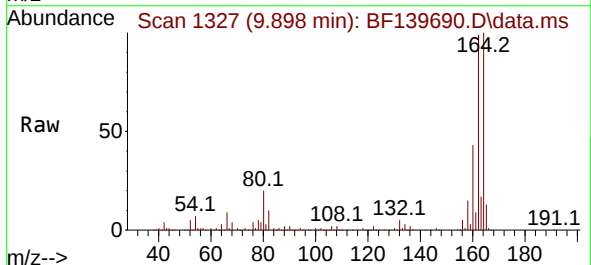
Instrument :  
BNA\_F  
ClientSampleId :  
WATER-TOTES

Tgt Ion: 82 Resp: 596347  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.1 9.1#  
138 0.0 13.4 20.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.012 min  
Lab File: BF139690.D  
Acq: 07 Oct 2024 17:02

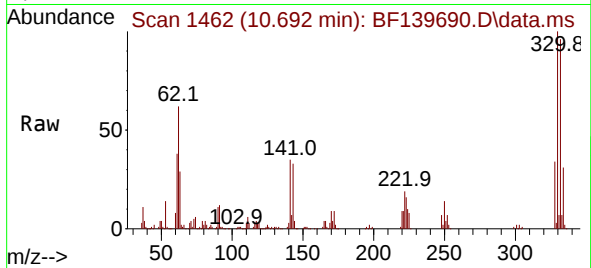
Tgt Ion:164 Resp: 178080  
Ion Ratio Lower Upper  
164 100  
162 99.1 79.4 119.0  
160 43.0 35.1 52.7



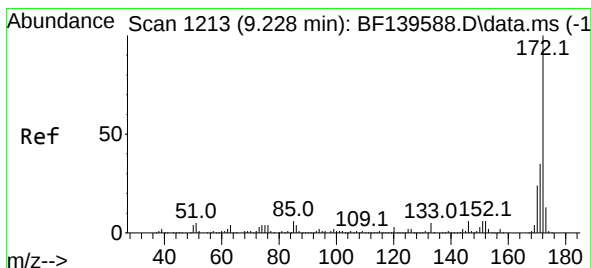
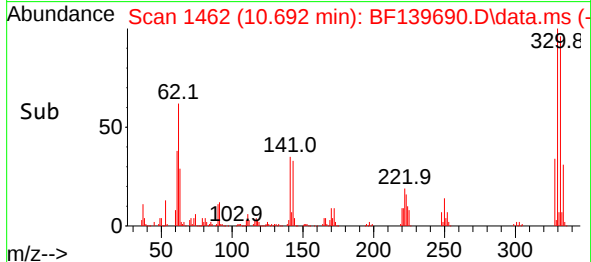
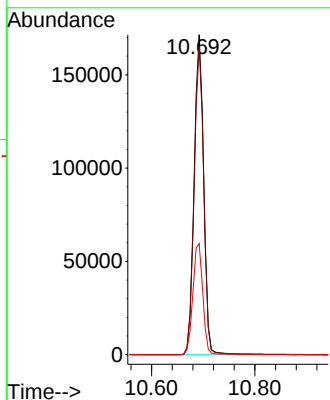


#42  
2,4,6-Tribromophenol  
Concen: 128.593 ng  
RT: 10.692 min Scan# 1462  
Delta R.T. -0.006 min  
Lab File: BF139690.D  
Acq: 07 Oct 2024 17:02

Instrument :  
BNA\_F  
ClientSampleId :  
WATER-TOTES

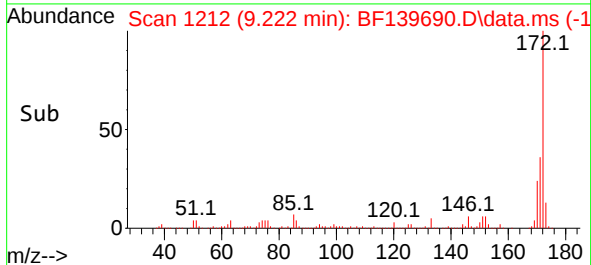
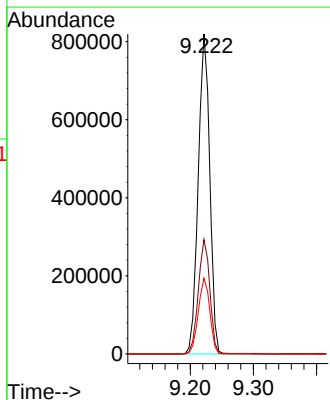
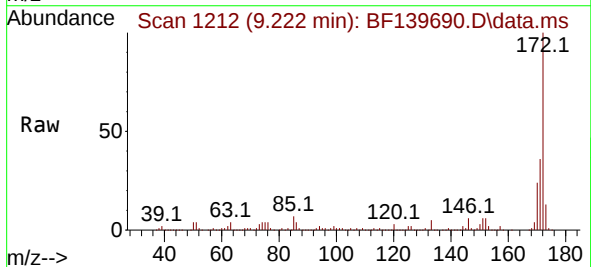


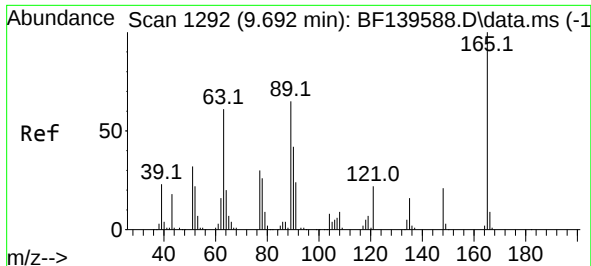
Tgt Ion:330 Resp: 221061  
Ion Ratio Lower Upper  
330 100  
332 96.0 76.5 114.7  
141 36.0 29.3 43.9



#45  
2-Fluorobiphenyl  
Concen: 89.845 ng  
RT: 9.222 min Scan# 1212  
Delta R.T. -0.006 min  
Lab File: BF139690.D  
Acq: 07 Oct 2024 17:02

Tgt Ion:172 Resp: 1042197  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.2 42.4  
170 23.7 18.8 28.2

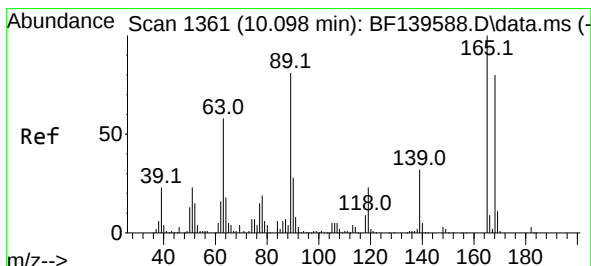
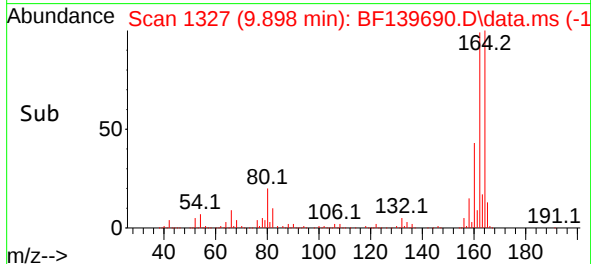
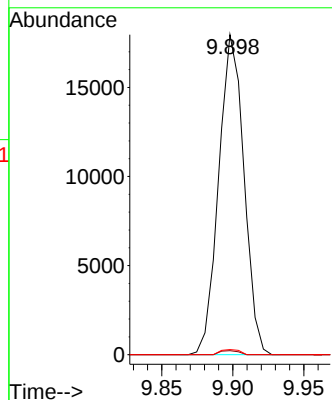
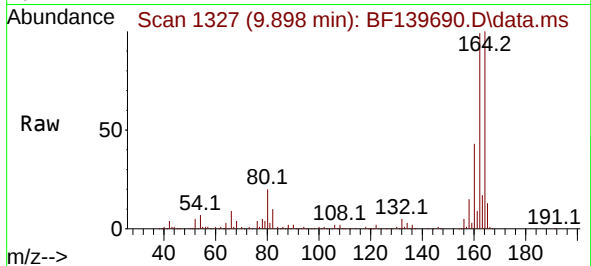




#51  
2,6-Dinitrotoluene  
Concen: 8.423 ng  
RT: 9.898 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF139690.D  
Acq: 07 Oct 2024 17:02

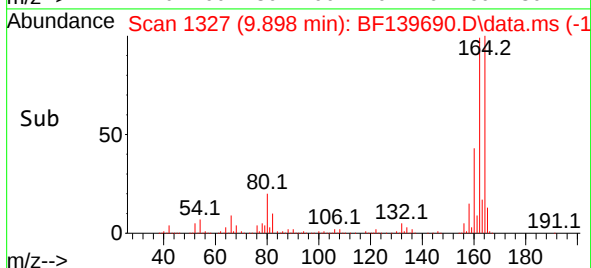
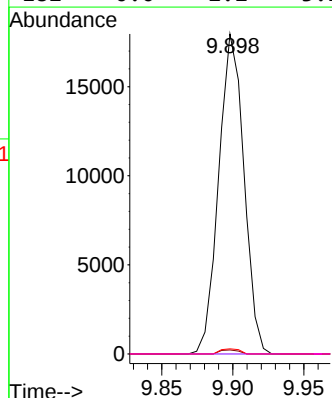
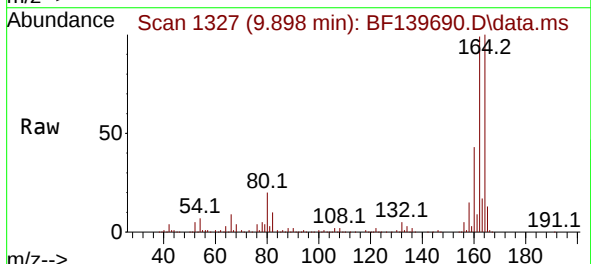
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BNA\_F  
ClientSampleId :  
WATER-TOTES

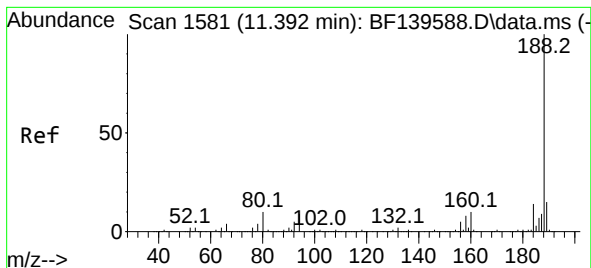
Tgt Ion:165 Resp: 22180  
Ion Ratio Lower Upper  
165 100  
63 1.2 56.7 85.1#  
89 1.6 51.6 77.4#



#57  
2,4-Dinitrotoluene  
Concen: 6.444 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.200 min  
Lab File: BF139690.D  
Acq: 07 Oct 2024 17:02

Tgt Ion:165 Resp: 22180  
Ion Ratio Lower Upper  
165 100  
63 1.2 46.9 70.3#  
89 1.6 64.4 96.6#  
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139690.D

Acq: 07 Oct 2024 17:02

Instrument :

BNA\_F

ClientSampleId :

WATER-TOTES

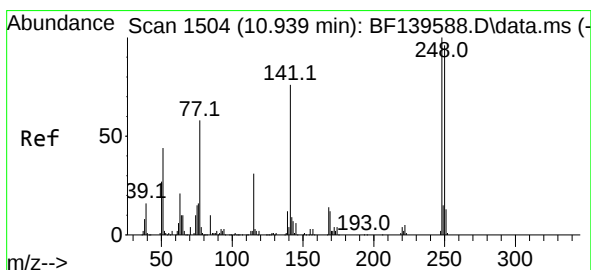
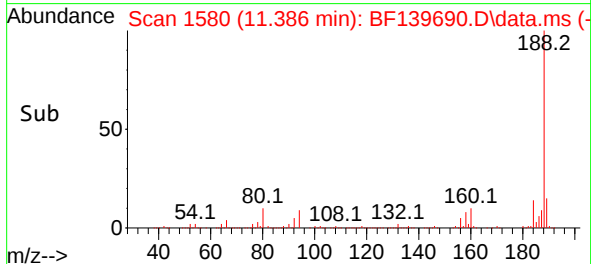
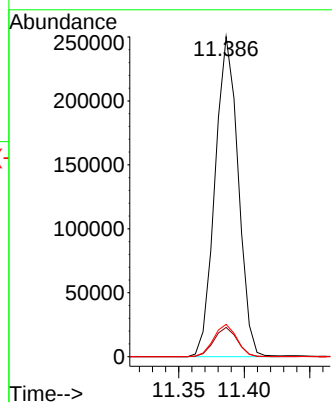
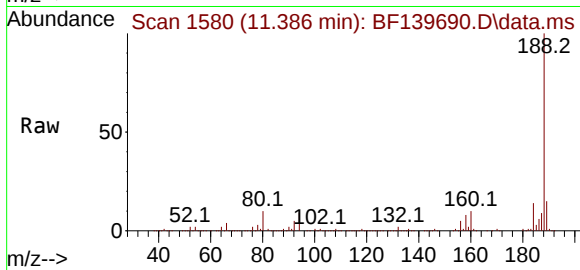
Tgt Ion:188 Resp: 307222

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

80 10.1 8.2 12.2



#67

4-Bromophenyl-phenylether

Concen: 4.844 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.247 min

Lab File: BF139690.D

Acq: 07 Oct 2024 17:02

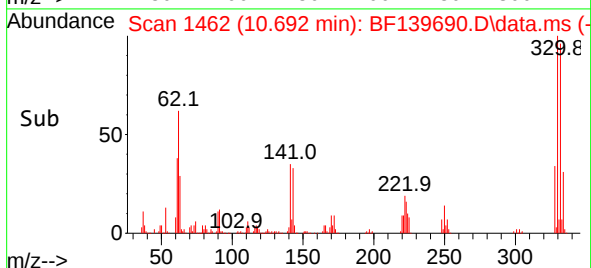
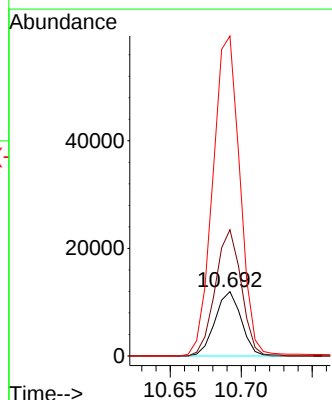
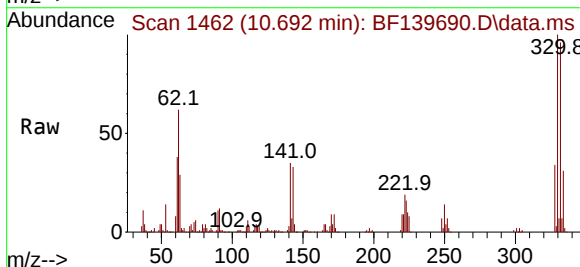
Tgt Ion:248 Resp: 15258

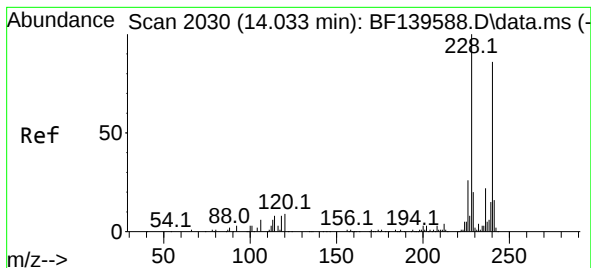
Ion Ratio Lower Upper

248 100

250 196.6 77.1 115.7#

141 497.9 60.4 90.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139690.D

Acq: 07 Oct 2024 17:02

Instrument :

BNA\_F

ClientSampleId :

WATER-TOTES

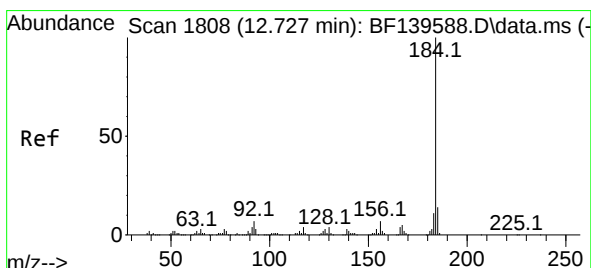
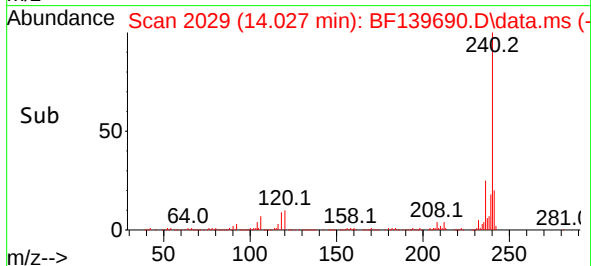
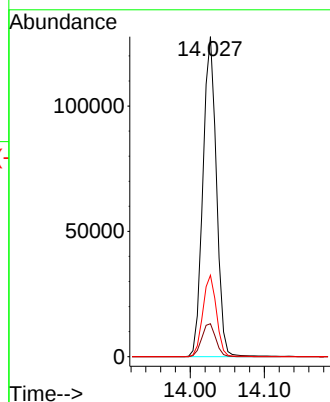
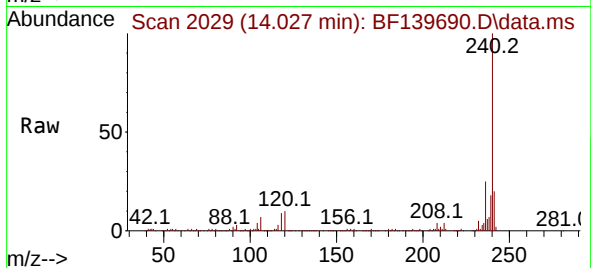
Tgt Ion:240 Resp: 161840

Ion Ratio Lower Upper

240 100

120 10.3 8.4 12.6

236 25.5 20.3 30.5



#77

Benzidine

Concen: 4.486 ng

RT: 12.974 min Scan# 1850

Delta R.T. 0.247 min

Lab File: BF139690.D

Acq: 07 Oct 2024 17:02

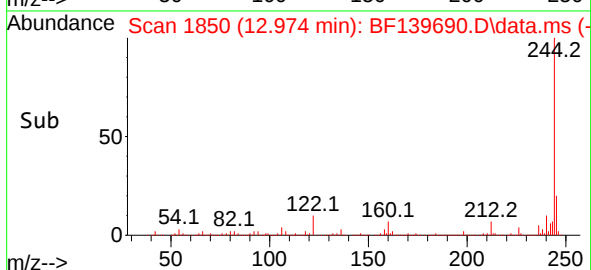
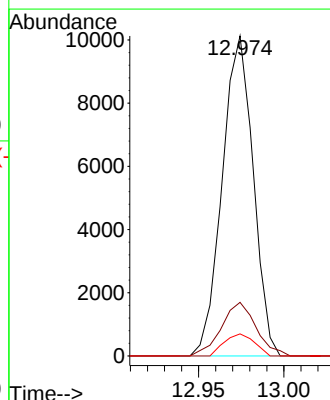
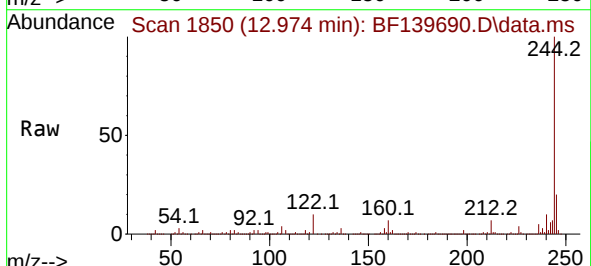
Tgt Ion:184 Resp: 12807

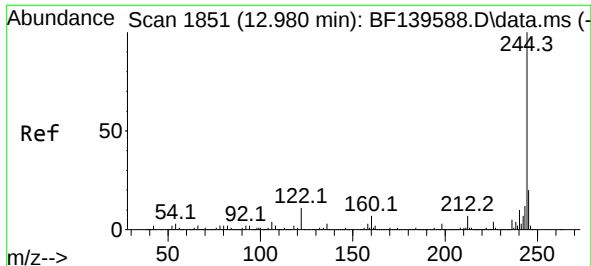
Ion Ratio Lower Upper

184 100

185 16.8 11.4 17.0

183 6.9 8.8 13.2#

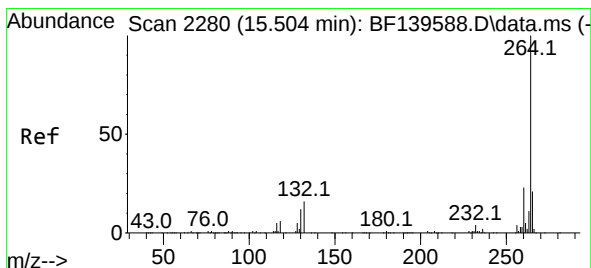
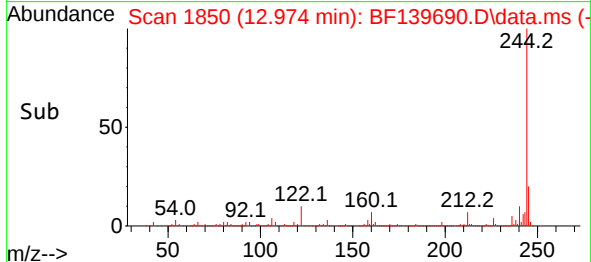
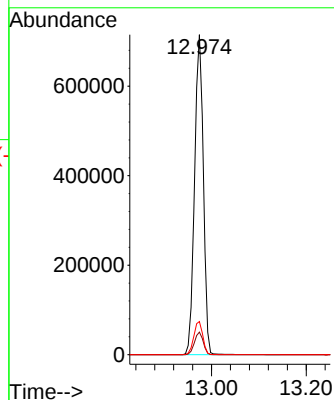
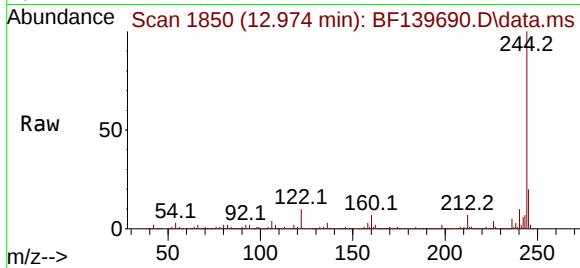




#79  
 Terphenyl-d14  
 Concen: 92.779 ng  
 RT: 12.974 min Scan# 1850  
 Delta R.T. -0.006 min  
 Lab File: BF139690.D  
 Acq: 07 Oct 2024 17:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WATER-TOTES

Tgt Ion:244 Resp: 915108  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.8 8.6  
 122 10.4 8.6 12.8



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.498 min Scan# 2279  
 Delta R.T. -0.006 min  
 Lab File: BF139690.D  
 Acq: 07 Oct 2024 17:02

Tgt Ion:264 Resp: 175613  
 Ion Ratio Lower Upper  
 264 100  
 260 22.5 18.7 28.1  
 265 21.0 16.9 25.3

