

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081825\  
 Data File : BF143437.D  
 Acq On : 18 Aug 2025 13:08  
 Operator : RC/JU  
 Sample : Q2811-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WASTE WATER

Quant Time: Aug 18 13:40:06 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 18 04:40:19 2025  
 Response via : Initial Calibration

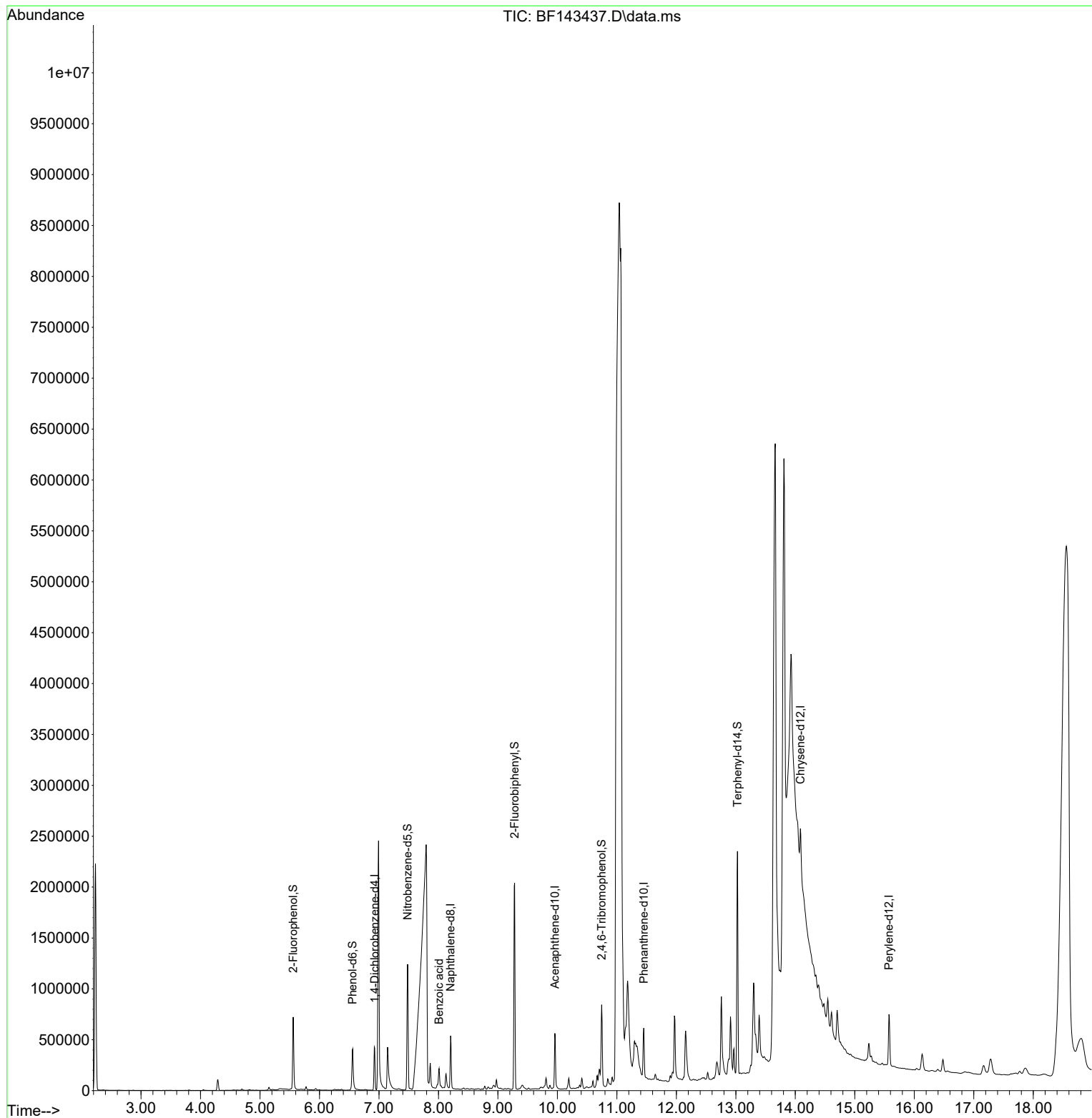
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|--------|------|----------|--------|-------|-----------|
| -----                       |        |      |          |        |       |           |
| Internal Standards          |        |      |          |        |       |           |
| 1) 1,4-Dichlorobenzene-d4   | 6.928  | 152  | 92191    | 20.000 | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.204  | 136  | 319129   | 20.000 | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.957  | 164  | 158523   | 20.000 | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.451 | 188  | 243989   | 20.000 | ng    | 0.00      |
| 76) Chrysene-d12            | 14.086 | 240  | 246388   | 20.000 | ng    | 0.00      |
| 86) Perylene-d12            | 15.574 | 264  | 313738   | 20.000 | ng    | 0.00      |
| System Monitoring Compounds |        |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.557  | 112  | 264630   | 49.898 | ng    | 0.00      |
| 7) Phenol-d6                | 6.557  | 99   | 213193   | 31.898 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.481  | 82   | 524619   | 97.548 | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 10.745 | 330  | 135208   | 95.826 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 9.281  | 172  | 901779   | 95.682 | ng    | 0.00      |
| 79) Terphenyl-d14           | 13.027 | 244  | 1116463  | 76.120 | ng    | 0.00      |
| Target Compounds            |        |      |          |        |       |           |
| 32) Benzoic acid            | 8.010  | 122  | 55192    | 24.087 | ng    | Qvalue 97 |
| -----                       |        |      |          |        |       |           |

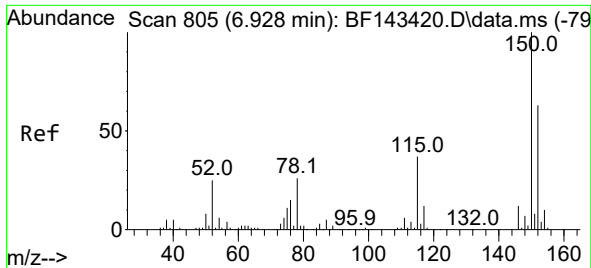
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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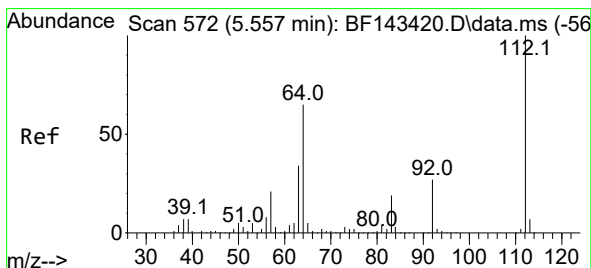
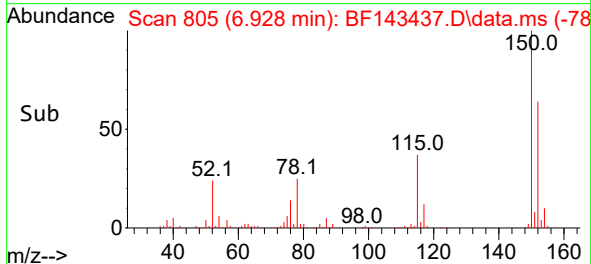
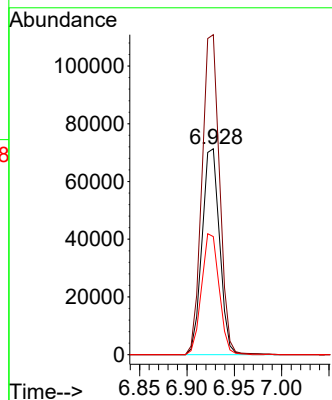
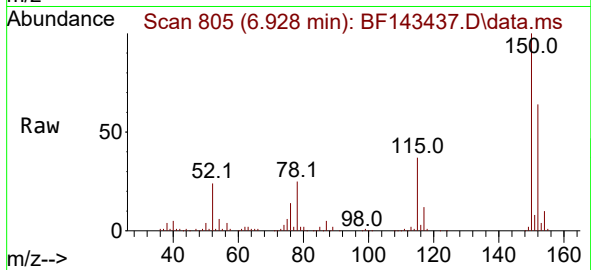




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.928 min Scan# 805  
Delta R.T. -0.000 min  
Lab File: BF143437.D  
Acq: 18 Aug 2025 13:08

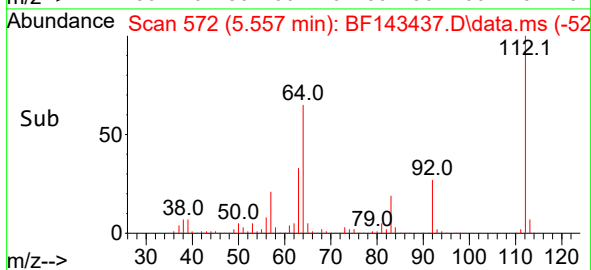
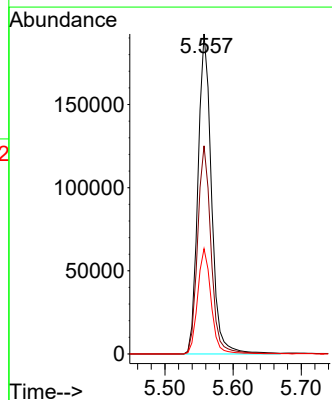
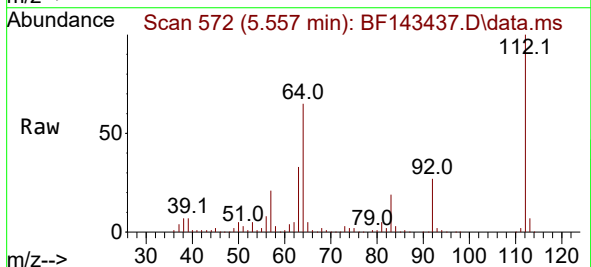
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WASTE WATER

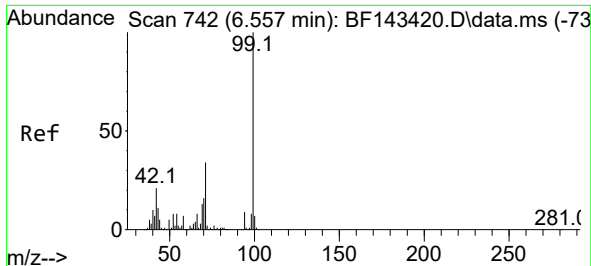
Tgt Ion:152 Resp: 92191  
Ion Ratio Lower Upper  
152 100  
150 155.4 127.4 191.2  
115 57.3 47.5 71.3



#5  
2-Fluorophenol  
Concen: 49.898 ng  
RT: 5.557 min Scan# 572  
Delta R.T. -0.000 min  
Lab File: BF143437.D  
Acq: 18 Aug 2025 13:08

Tgt Ion:112 Resp: 264630  
Ion Ratio Lower Upper  
112 100  
64 65.1 52.2 78.2  
63 32.9 27.0 40.6

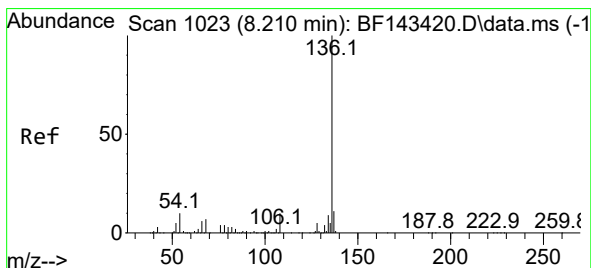
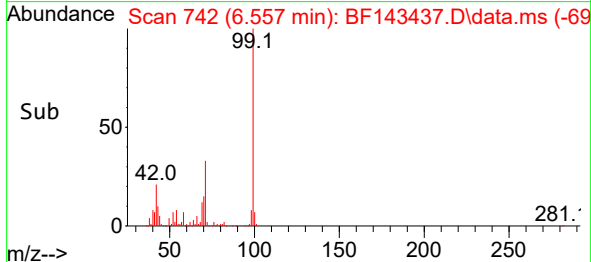
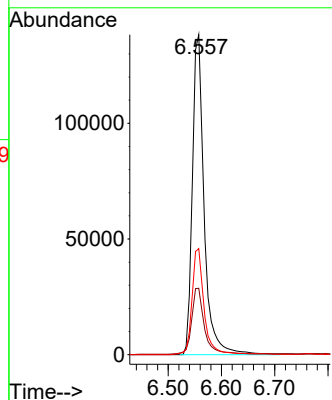
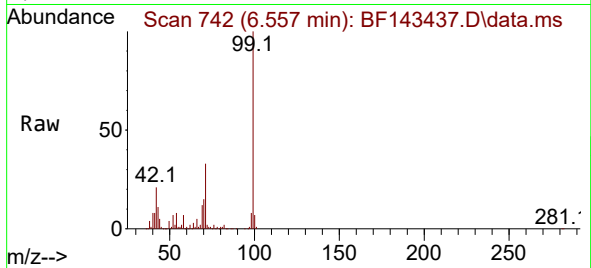




#7  
Phenol-d6  
Concen: 31.898 ng  
RT: 6.557 min Scan# 742  
Delta R.T. -0.000 min  
Lab File: BF143437.D  
Acq: 18 Aug 2025 13:08

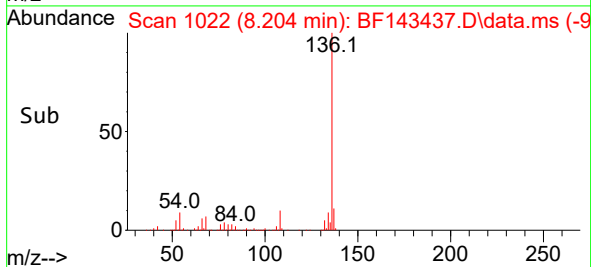
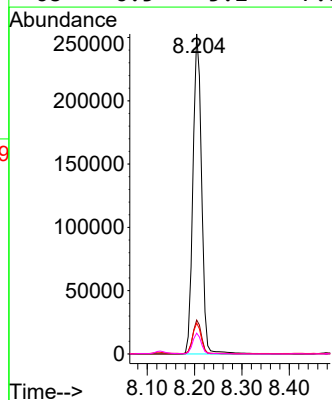
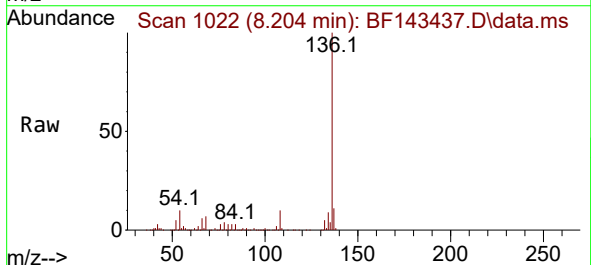
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WASTE WATER

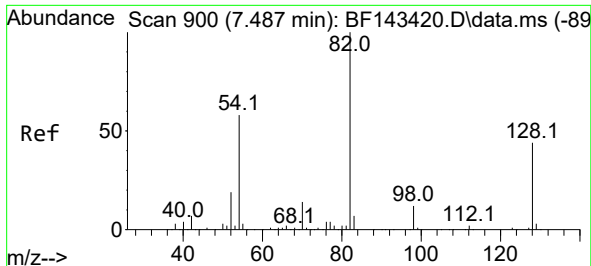
Tgt Ion: 99 Resp: 213193  
Ion Ratio Lower Upper  
99 100  
42 20.7 17.0 25.6  
71 33.2 27.4 41.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.204 min Scan# 1022  
Delta R.T. -0.006 min  
Lab File: BF143437.D  
Acq: 18 Aug 2025 13:08

Tgt Ion: 136 Resp: 319129  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.8 13.2  
54 9.6 7.8 11.8  
68 6.5 5.2 7.8





#23

Nitrobenzene-d5

Concen: 97.548 ng

RT: 7.481 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF143437.D

Acq: 18 Aug 2025 13:08

Instrument :

BNA\_F

ClientSampleId :

EFF-WASTE WATER

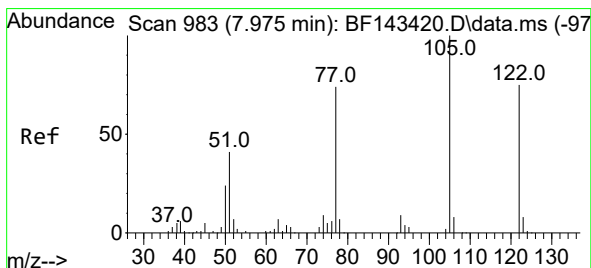
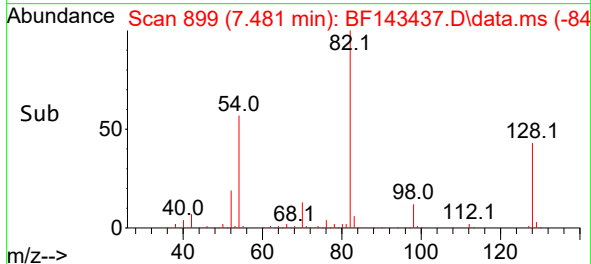
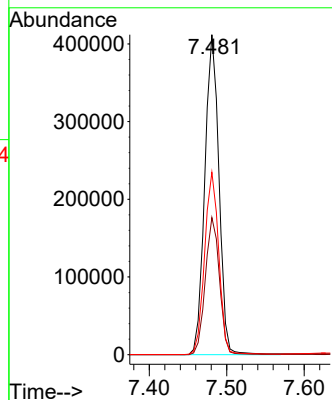
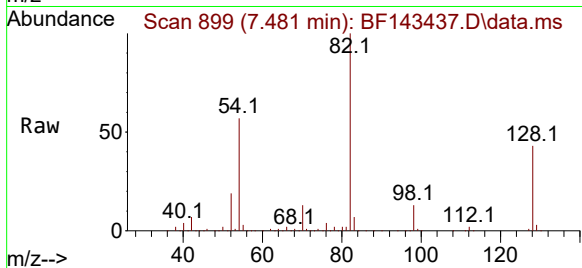
Tgt Ion: 82 Resp: 524619

Ion Ratio Lower Upper

82 100

128 42.8 34.6 52.0

54 57.0 46.0 69.0



#32

Benzoic acid

Concen: 24.087 ng

RT: 8.010 min Scan# 989

Delta R.T. 0.035 min

Lab File: BF143437.D

Acq: 18 Aug 2025 13:08

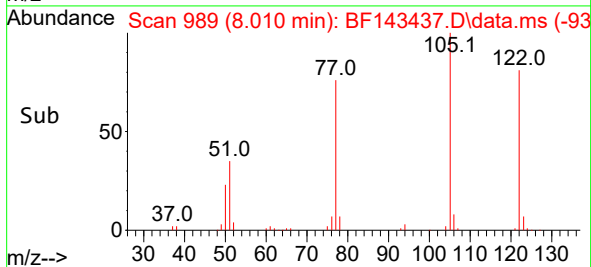
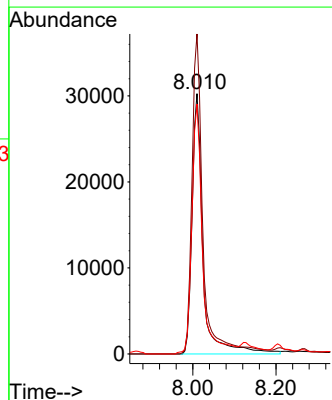
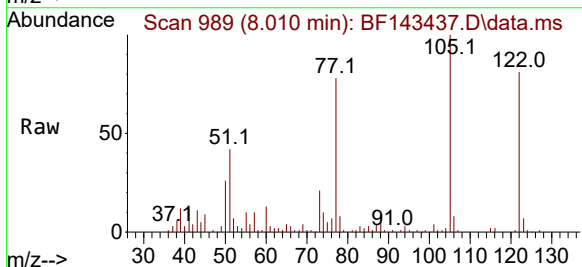
Tgt Ion:122 Resp: 55192

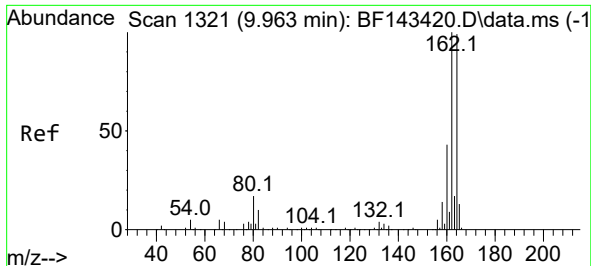
Ion Ratio Lower Upper

122 100

105 122.9 108.4 148.4

77 96.0 75.9 115.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143437.D

Acq: 18 Aug 2025 13:08

Instrument :

BNA\_F

ClientSampleId :

EFF-WASTE WATER

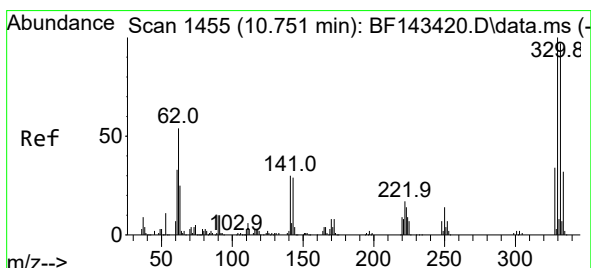
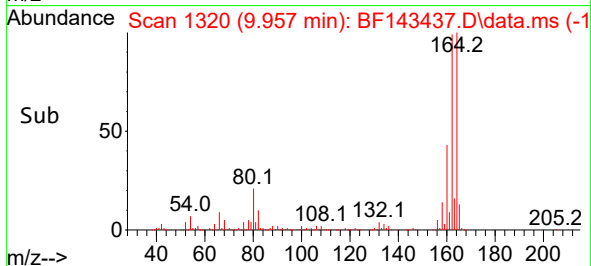
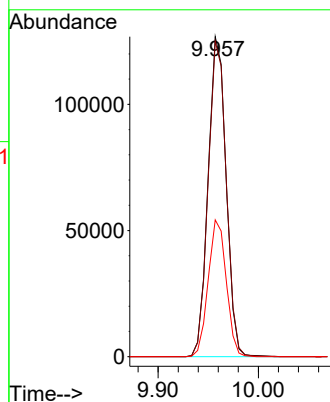
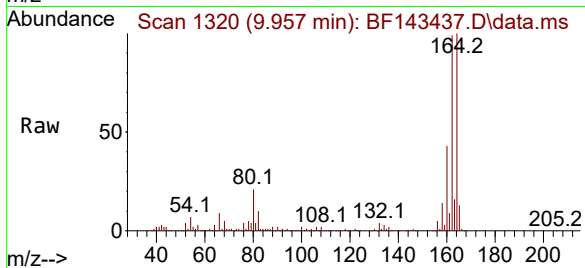
Tgt Ion:164 Resp: 158523

Ion Ratio Lower Upper

164 100

162 98.5 80.6 121.0

160 42.7 34.6 51.8



#42

2,4,6-Tribromophenol

Concen: 95.826 ng

RT: 10.745 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF143437.D

Acq: 18 Aug 2025 13:08

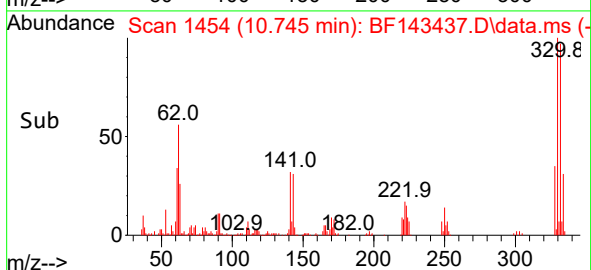
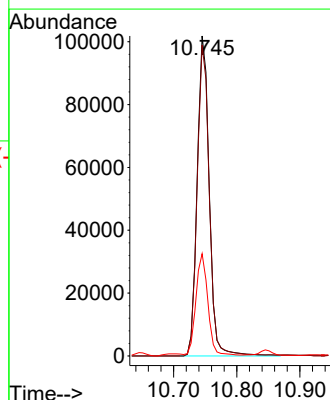
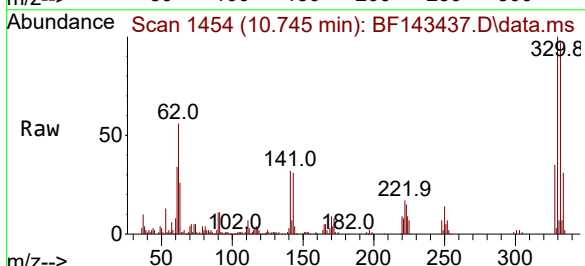
Tgt Ion:330 Resp: 135208

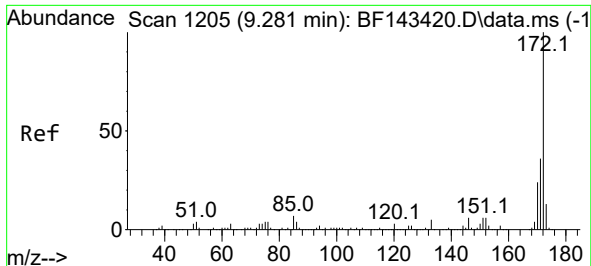
Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.2

141 31.7 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 95.682 ng

RT: 9.281 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143437.D

Acq: 18 Aug 2025 13:08

Instrument :

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ClientSampleId :

EFF-WASTE WATER

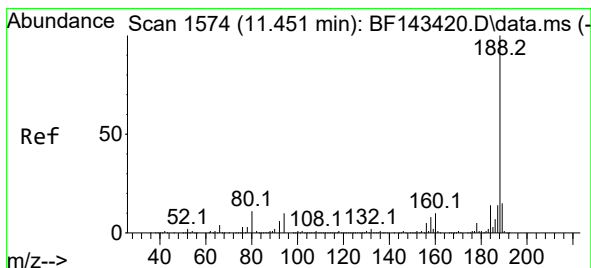
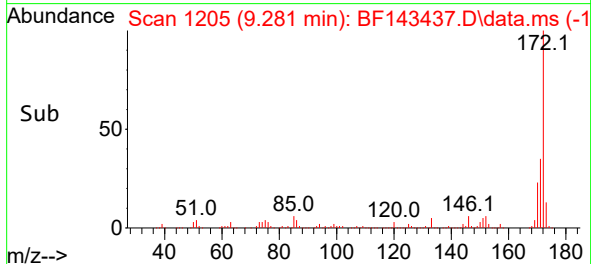
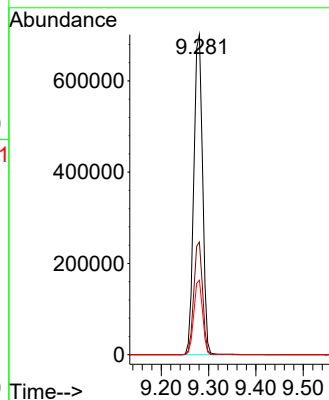
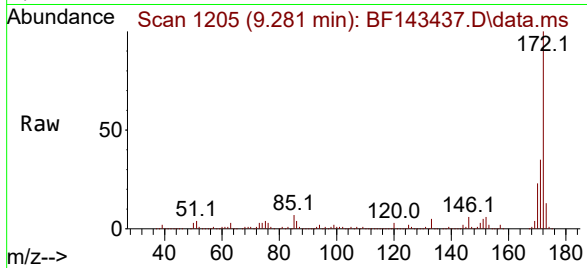
Tgt Ion:172 Resp: 901779

Ion Ratio Lower Upper

172 100

171 35.2 28.7 43.1

170 23.3 19.0 28.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1574

Delta R.T. -0.000 min

Lab File: BF143437.D

Acq: 18 Aug 2025 13:08

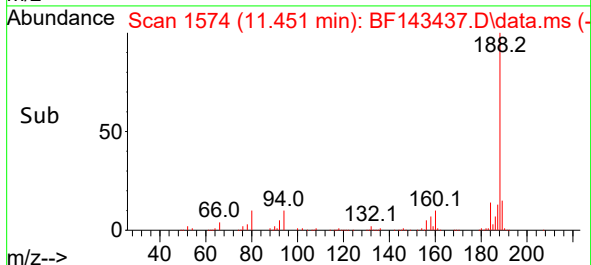
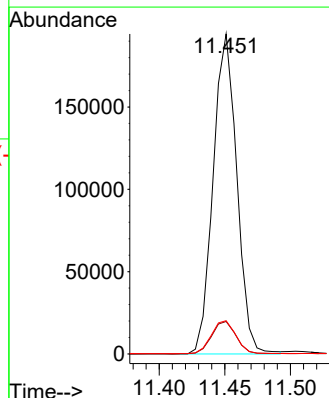
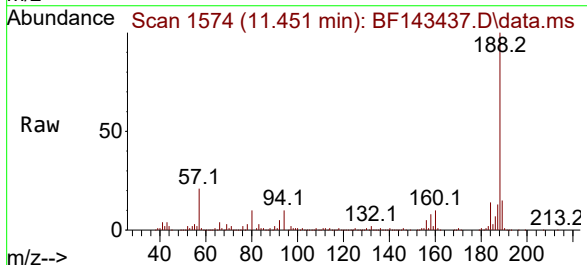
Tgt Ion:188 Resp: 243989

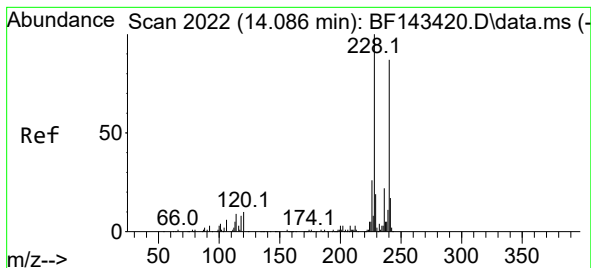
Ion Ratio Lower Upper

188 100

94 10.2 8.0 12.0

80 10.4 8.6 12.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF143437.D

Acq: 18 Aug 2025 13:08

Instrument :

BNA\_F

ClientSampleId :

EFF-WASTE WATER

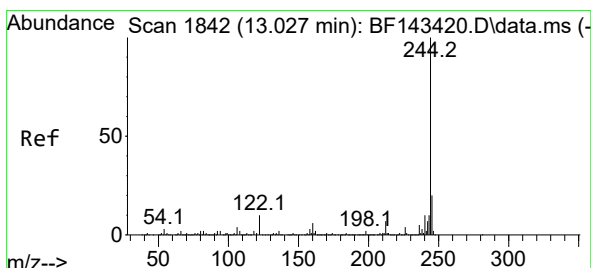
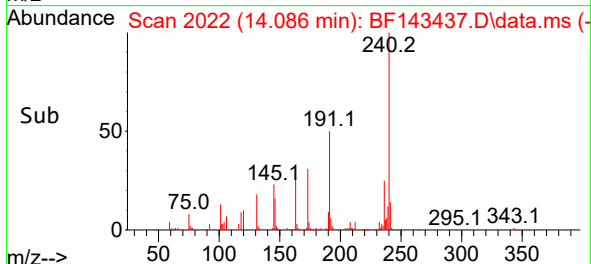
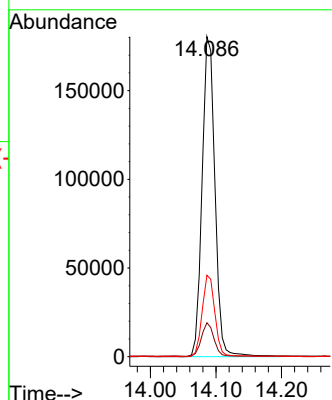
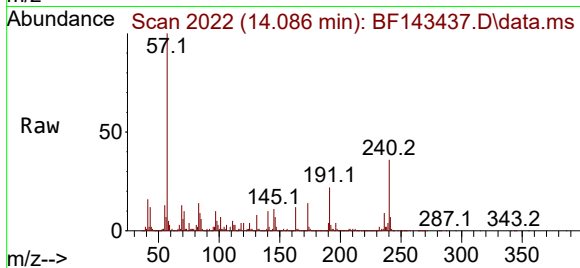
Tgt Ion:240 Resp: 246388

Ion Ratio Lower Upper

240 100

120 10.6 9.0 13.4

236 25.5 20.2 30.2



#79

Terphenyl-d14

Concen: 76.120 ng

RT: 13.027 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BF143437.D

Acq: 18 Aug 2025 13:08

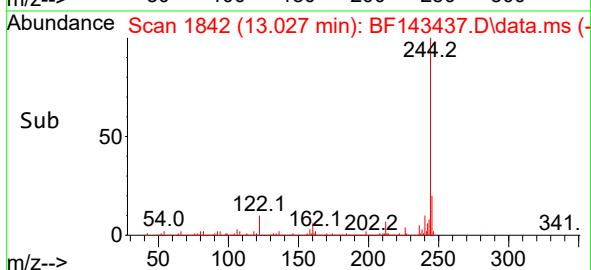
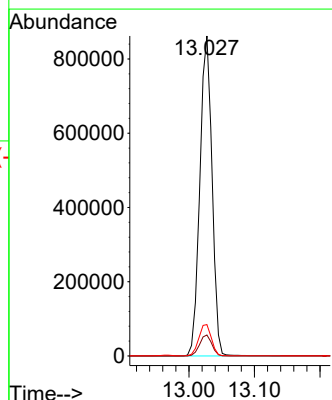
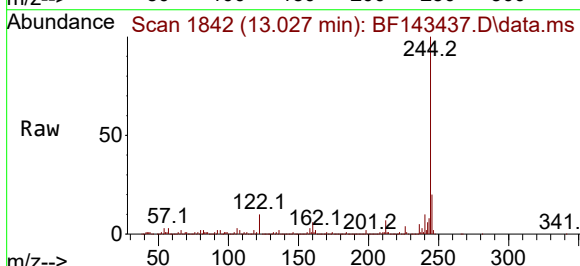
Tgt Ion:244 Resp: 1116463

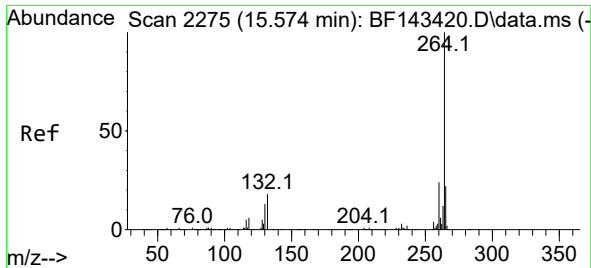
Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 9.8 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143437.D

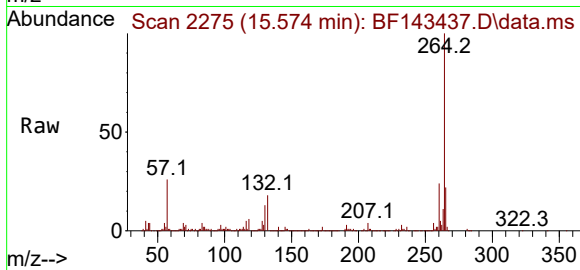
Acq: 18 Aug 2025 13:08

Instrument :

BNA\_F

ClientSampleId :

EFF-WASTE WATER



Tgt Ion:264 Resp: 313738

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 21.6 17.4 26.0

