

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062723\  
 Data File : BF133991.D  
 Acq On : 27 Jun 2023 15:05  
 Operator : CG\JU  
 Sample : 03365-43  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUMP-WATER

Quant Time: Jun 27 16:43:46 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 26 23:12:04 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.851  | 152  | 138044   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.128  | 136  | 418084   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.886  | 164  | 184759   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.380 | 188  | 325737   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.045 | 240  | 191550   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.551 | 264  | 193508   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.481  | 112  | 380135   | 46.063  | ng    | 0.00     |
| 7) Phenol-d6                | 6.481  | 99   | 299810   | 29.541  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.416  | 82   | 739191   | 95.307  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.686 | 330  | 274138   | 118.341 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.210  | 172  | 1127952  | 88.760  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.986 | 244  | 990174   | 83.195  | ng    | 0.00     |

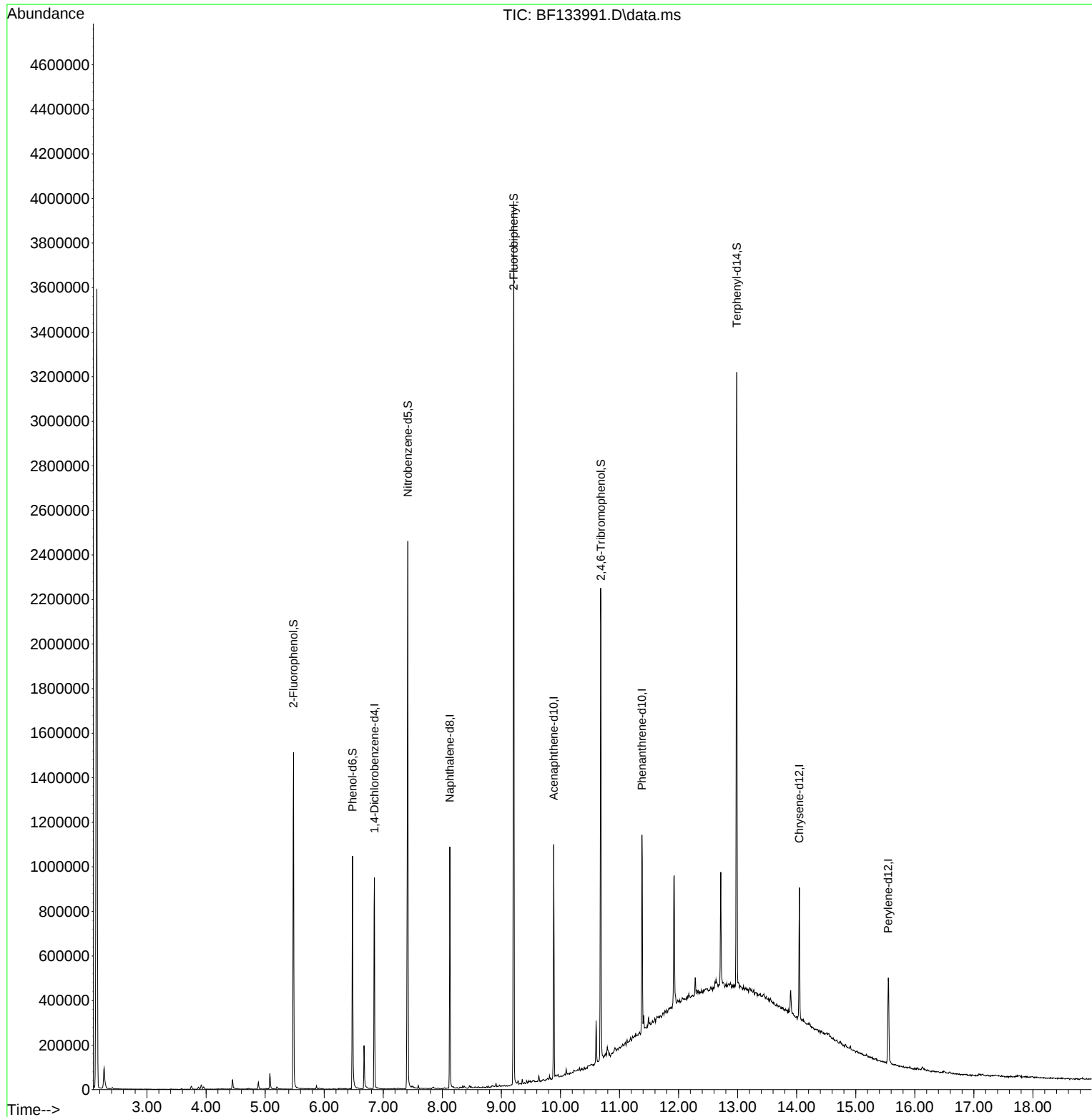
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

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

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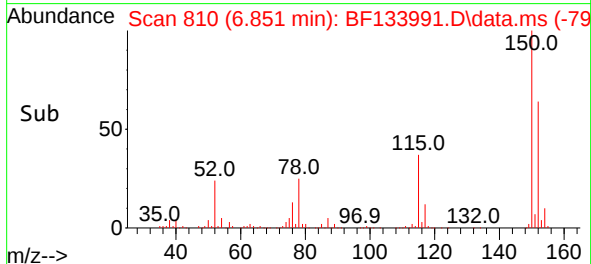
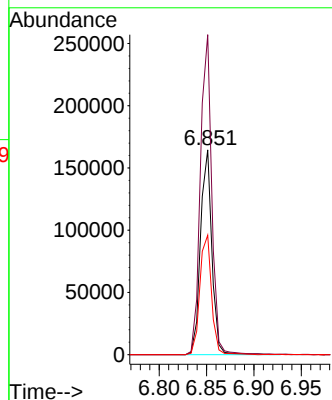
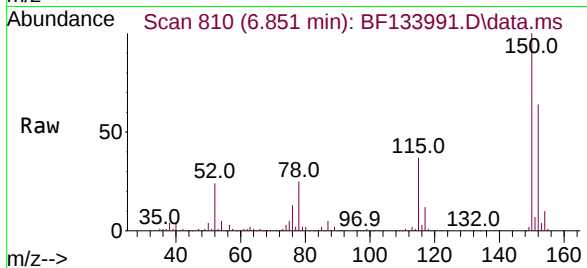




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.851 min Scan# 810  
Delta R.T. 0.000 min  
Lab File: BF133991.D  
Acq: 27 Jun 2023 15:05

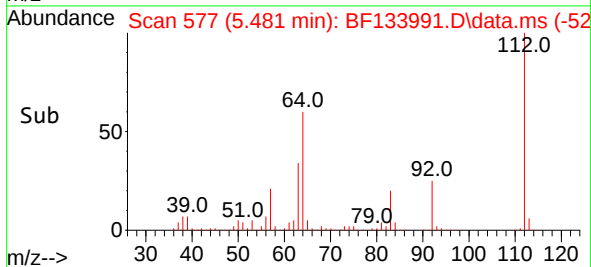
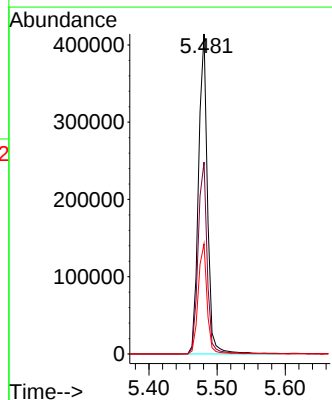
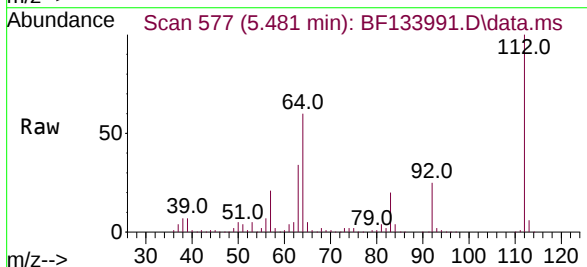
Instrument :  
BNA\_F  
ClientSampleId :  
SUMP-WATER

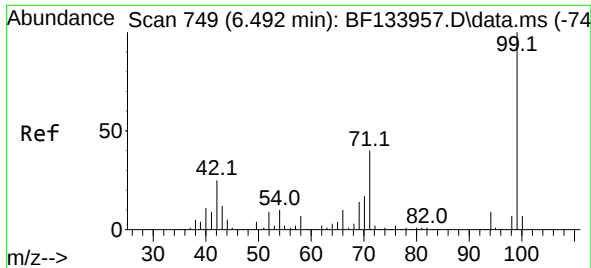
Tgt Ion:152 Resp: 138044  
Ion Ratio Lower Upper  
152 100  
150 156.2 124.5 186.7  
115 58.3 50.2 75.2



#5  
2-Fluorophenol  
Concen: 46.063 ng  
RT: 5.481 min Scan# 577  
Delta R.T. 0.000 min  
Lab File: BF133991.D  
Acq: 27 Jun 2023 15:05

Tgt Ion:112 Resp: 380135  
Ion Ratio Lower Upper  
112 100  
64 60.0 52.1 78.1  
63 34.4 28.6 42.8

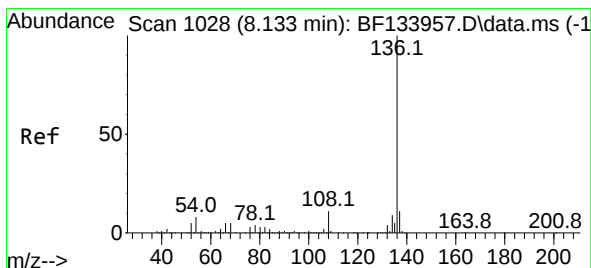
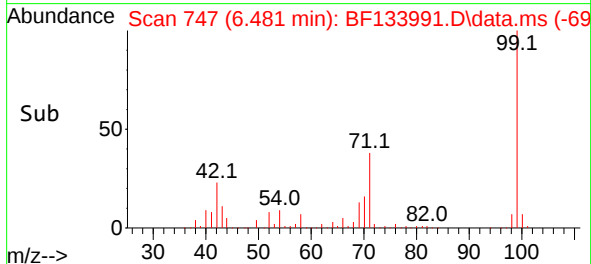
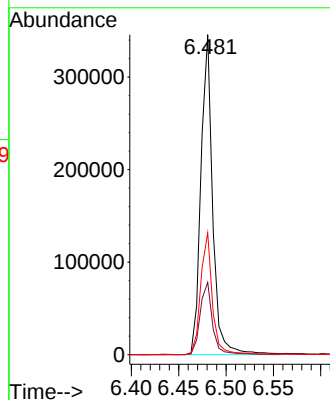
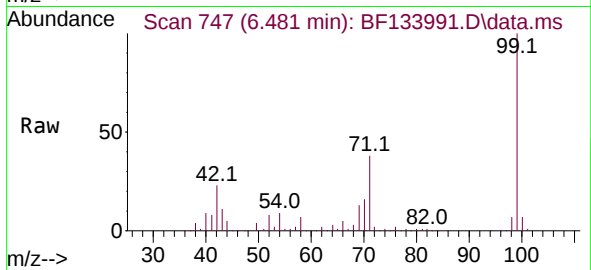




#7  
Phenol-d6  
Concen: 29.541 ng  
RT: 6.481 min Scan# 74  
Delta R.T. -0.012 min  
Lab File: BF133991.D  
Acq: 27 Jun 2023 15:05

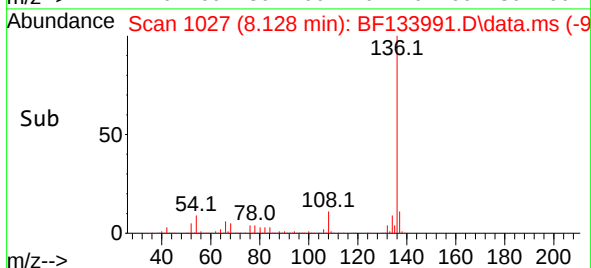
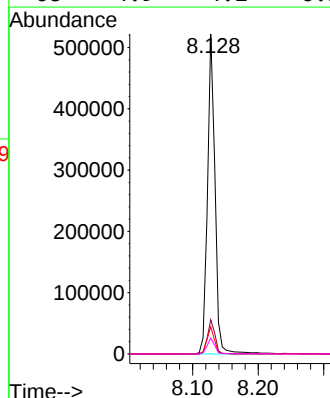
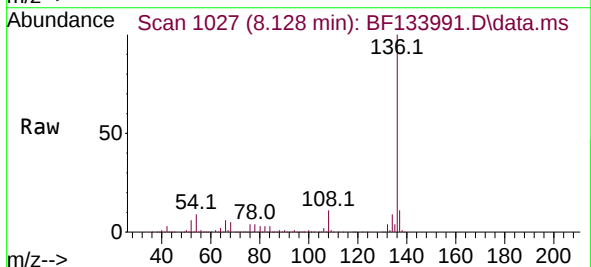
Instrument :  
BNA\_F  
ClientSampleId :  
SUMP-WATER

Tgt Ion: 99 Resp: 299810  
Ion Ratio Lower Upper  
99 100  
42 22.6 19.8 29.6  
71 38.1 31.9 47.9



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. -0.006 min  
Lab File: BF133991.D  
Acq: 27 Jun 2023 15:05

Tgt Ion: 136 Resp: 418084  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 12.8  
54 8.5 6.5 9.7  
68 4.9 4.2 6.2

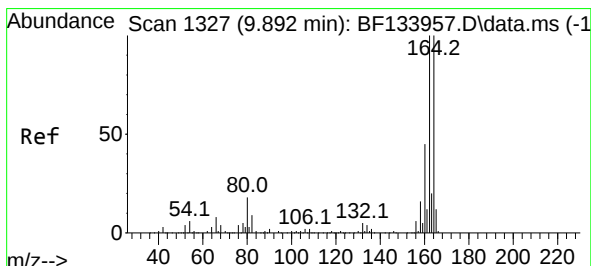
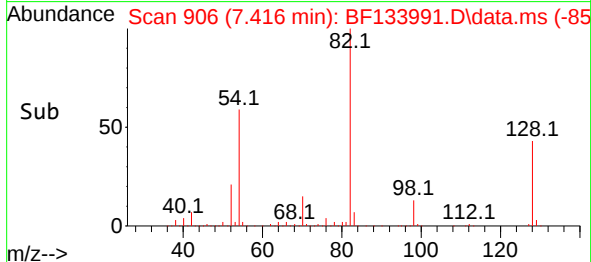
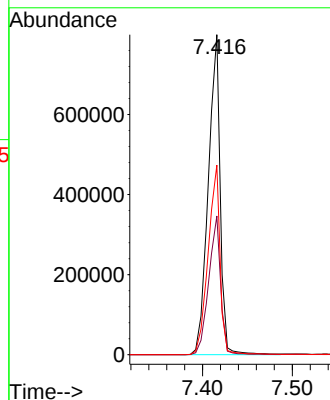
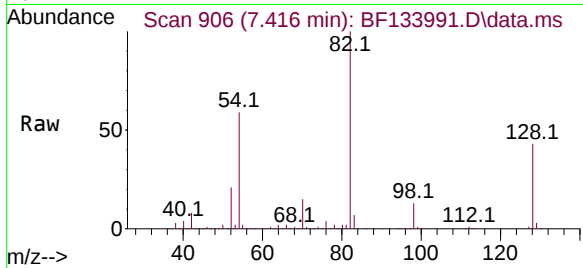




#23  
Nitrobenzene-d5  
Concen: 95.307 ng  
RT: 7.416 min Scan# 906  
Delta R.T. 0.000 min  
Lab File: BF133991.D  
Acq: 27 Jun 2023 15:05

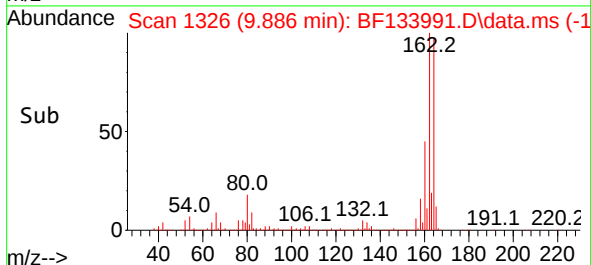
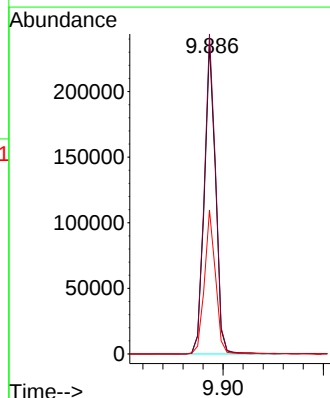
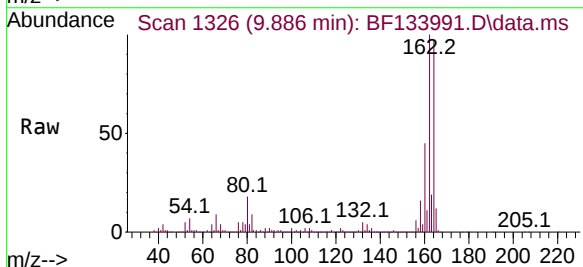
Instrument :  
BNA\_F  
ClientSampleId :  
SUMP-WATER

Tgt Ion: 82 Resp: 739191  
Ion Ratio Lower Upper  
82 100  
128 43.4 32.5 48.7  
54 59.3 48.2 72.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.886 min Scan# 1326  
Delta R.T. -0.006 min  
Lab File: BF133991.D  
Acq: 27 Jun 2023 15:05

Tgt Ion:164 Resp: 184759  
Ion Ratio Lower Upper  
164 100  
162 103.3 80.0 120.0  
160 46.5 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 118.341 ng

RT: 10.686 min Scan# 1462

Delta R.T. 0.000 min

Lab File: BF133991.D

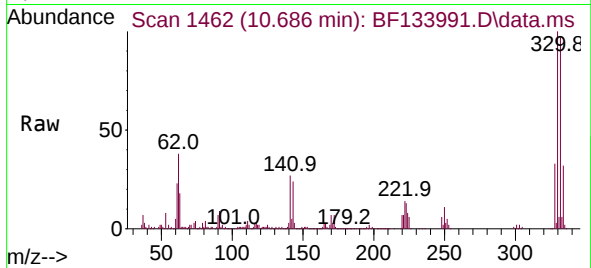
Acq: 27 Jun 2023 15:05

Instrument :

BNA\_F

ClientSampleId :

SUMP-WATER



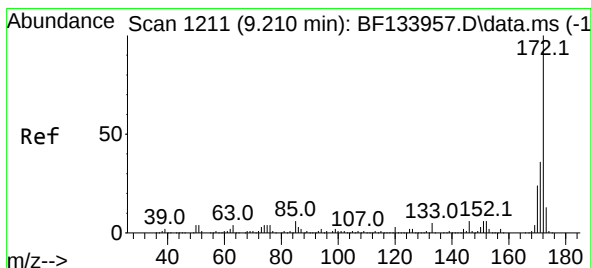
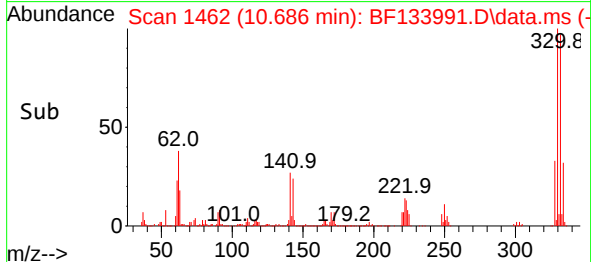
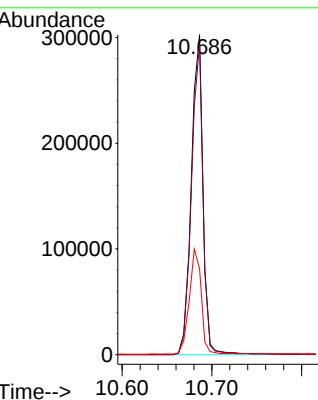
Tgt Ion:330 Resp: 274138

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

141 33.7 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 88.760 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.000 min

Lab File: BF133991.D

Acq: 27 Jun 2023 15:05

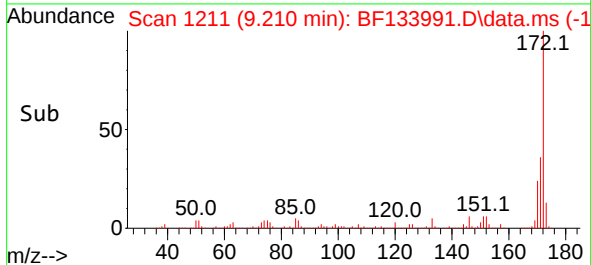
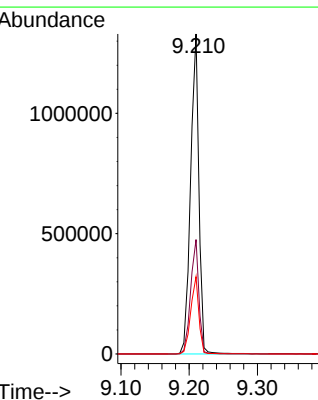
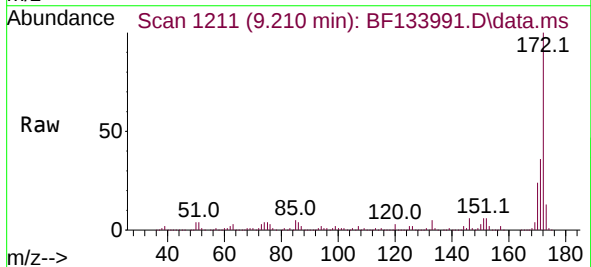
Tgt Ion:172 Resp: 1127952

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 24.2 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133991.D

Acq: 27 Jun 2023 15:05

Instrument :

BNA\_F

ClientSampleId :

SUMP-WATER

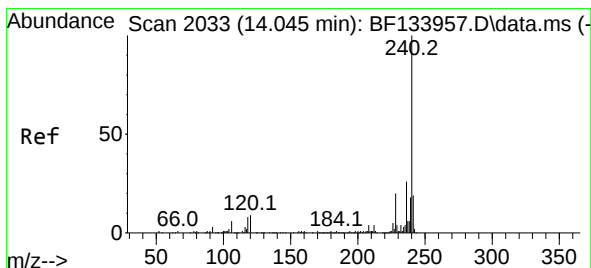
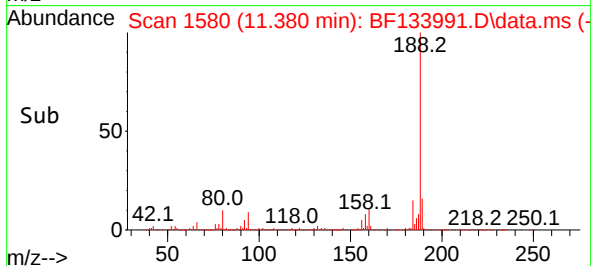
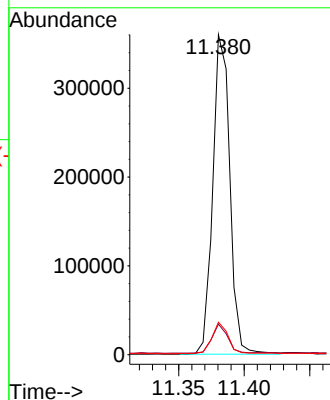
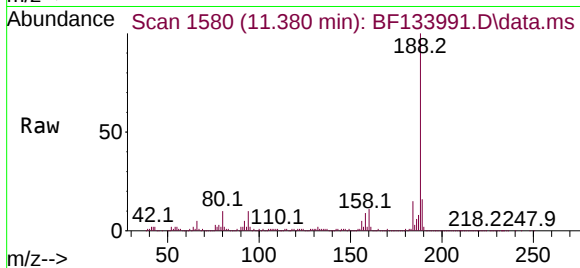
Tgt Ion:188 Resp: 325737

Ion Ratio Lower Upper

188 100

94 9.6 6.4 9.6

80 10.2 7.3 10.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF133991.D

Acq: 27 Jun 2023 15:05

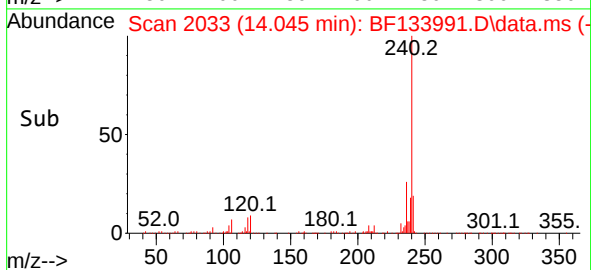
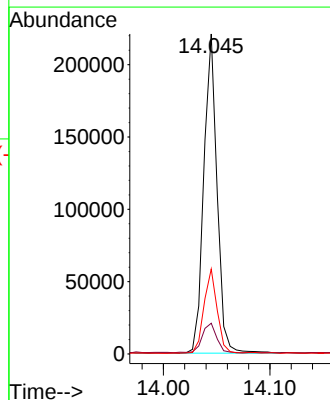
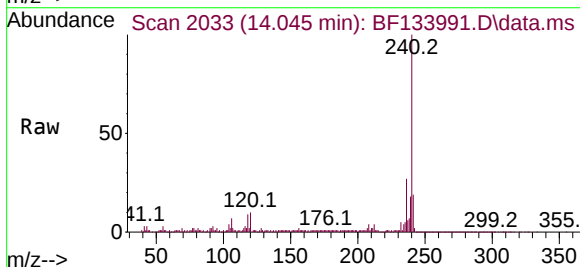
Tgt Ion:240 Resp: 191550

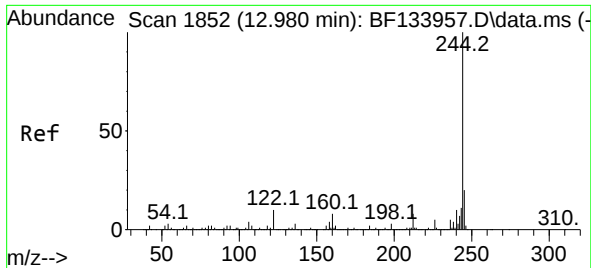
Ion Ratio Lower Upper

240 100

120 9.6 7.4 11.0

236 26.5 21.0 31.6

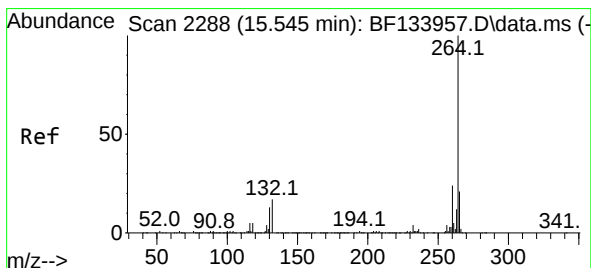
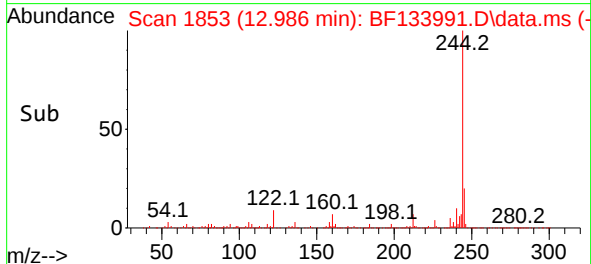
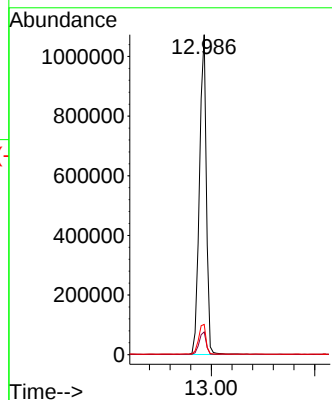
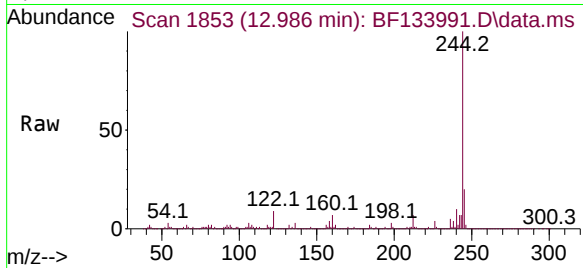




#79  
 Terphenyl-d14  
 Concen: 83.195 ng  
 RT: 12.986 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: BF133991.D  
 Acq: 27 Jun 2023 15:05

Instrument :  
 BNA\_F  
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 SUMP-WATER

Tgt Ion:244 Resp: 990174  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 9.4 8.3 12.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.551 min Scan# 2289  
 Delta R.T. 0.006 min  
 Lab File: BF133991.D  
 Acq: 27 Jun 2023 15:05

Tgt Ion:264 Resp: 193508  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.5 29.3  
 265 20.6 16.6 25.0

