

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021022\  
 Data File : BP009106.D  
 Acq On : 10 Feb 2022 18:56  
 Operator : CG/JU  
 Sample : N1357-01DL 5X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 GROUNDWATERDL

Quant Time: Feb 11 02:26:35 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 07 15:13:17 2022  
 Response via : Initial Calibration

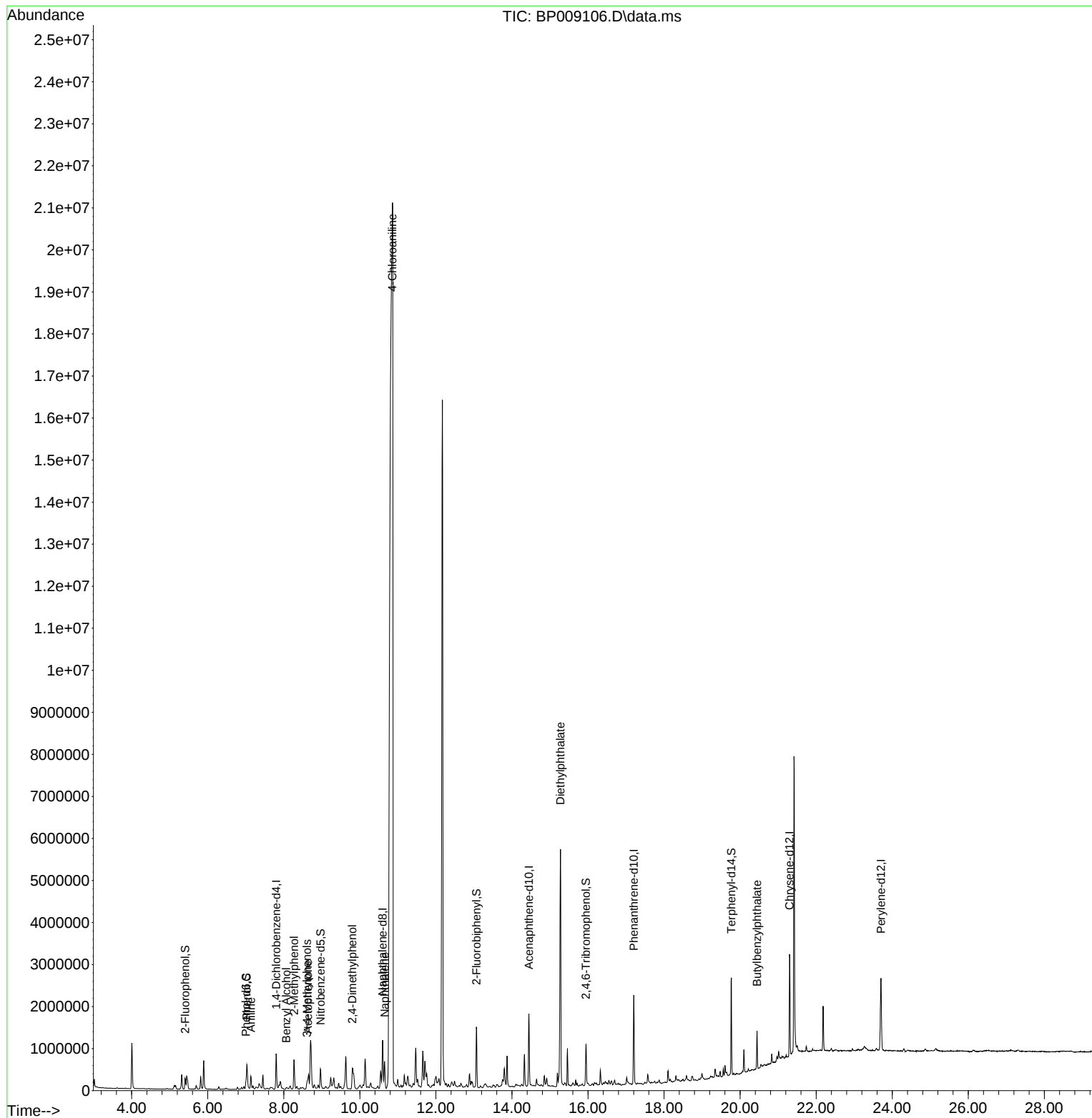
| Compound                    | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|------|----------|----------|-------|----------|
| -----                       |        |      |          |          |       |          |
| Internal Standards          |        |      |          |          |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.799  | 152  | 250616   | 20.000   | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.599 | 136  | 964729   | 20.000   | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.446 | 164  | 639178   | 20.000   | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.204 | 188  | 1362924  | 20.000   | ng    | 0.00     |
| 76) Chrysene-d12            | 21.298 | 240  | 1247225  | 20.000   | ng    | 0.00     |
| 86) Perylene-d12            | 23.704 | 264  | 1362243  | 20.000   | ng    | 0.01     |
|                             |        |      |          |          |       |          |
| System Monitoring Compounds |        |      |          |          |       |          |
| 5) 2-Fluorophenol           | 5.405  | 112  | 147545   | 10.502   | ng    | 0.01     |
| 7) Phenol-d6                | 7.005  | 99   | 123457   | 6.669    | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 8.963  | 82   | 296013   | 17.304   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.945 | 330  | 227745   | 26.686   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.069 | 172  | 793383   | 17.376   | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.769 | 244  | 1194439  | 17.222   | ng    | 0.00     |
|                             |        |      |          |          |       |          |
| Target Compounds            |        |      |          |          |       | Qvalue   |
| 6) Aniline                  | 7.134  | 93   | 217609   | 10.356   | ng    | 99       |
| 10) Phenol                  | 7.028  | 94   | 396006   | 21.276   | ng    | 94       |
| 15) Benzyl Alcohol          | 8.069  | 79   | 24715    | 2.097    | ng    | 92       |
| 17) 2-Methylphenol          | 8.269  | 107  | 254112   | 20.364   | ng    | 97       |
| 20) 3+4-Methylphenols       | 8.611  | 107  | 84911    | 4.972    | ng    | 88       |
| 22) Acetophenone            | 8.634  | 105  | 49818    | 2.209    | ng    | # 83     |
| 27) 2,4-Dimethylphenol      | 9.805  | 122  | 327316   | 26.172   | ng    | 98       |
| 31) Naphthalene             | 10.652 | 128  | 554001   | 11.259   | ng    | 99       |
| 33) 4-Chloroaniline         | 10.858 | 127  | 36721960 | 1848.269 | ng    | 95       |
| 60) Diethylphthalate        | 15.275 | 149  | 155447   | 3.608    | ng    | 99       |
| 80) Butylbenzylphthalate    | 20.445 | 149  | 278038   | 9.114    | ng    | 98       |
| -----                       |        |      |          |          |       |          |

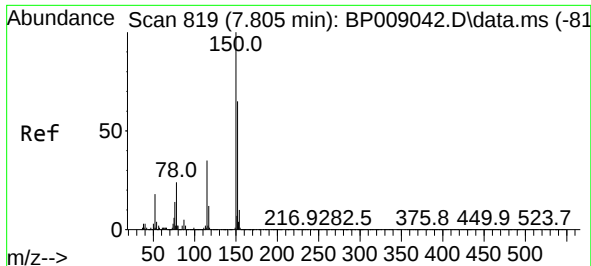
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021022\  
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Sample : N1357-01DL 5X  
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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
GROUNDWATERDL

Quant Time: Feb 11 02:26:35 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 07 15:13:17 2022  
Response via : Initial Calibration

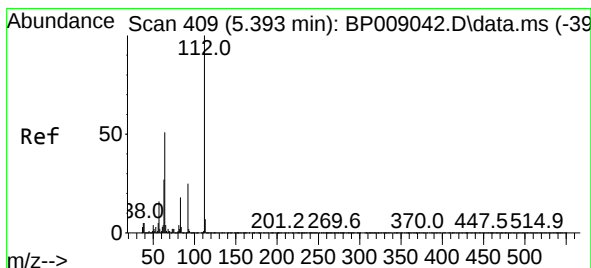
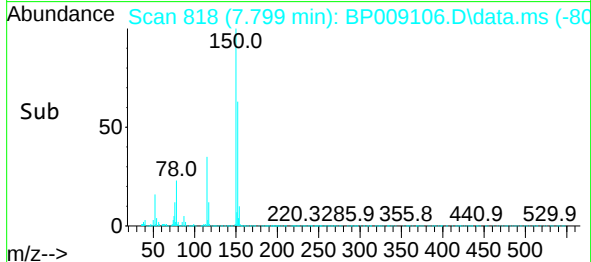
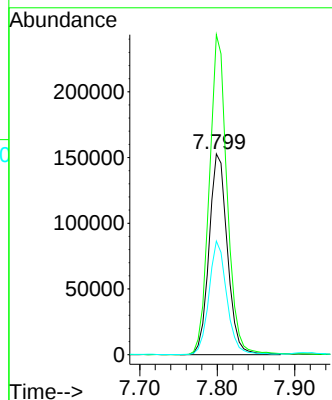
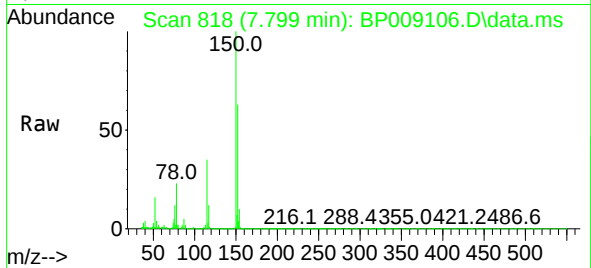




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.799 min Scan# 819  
Delta R.T. -0.006 min  
Lab File: BP009106.D  
Acq: 10 Feb 2022 18:56

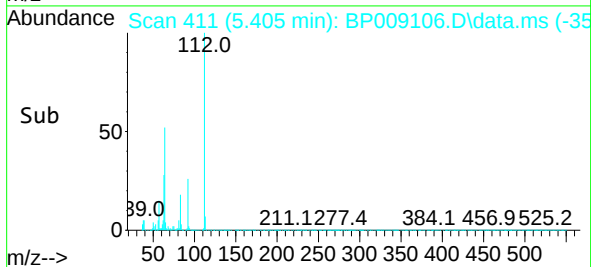
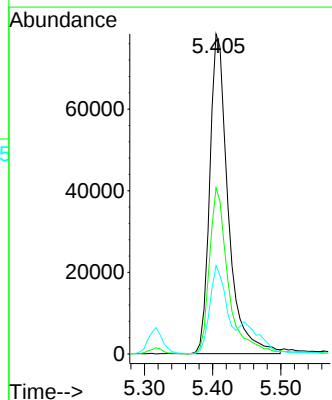
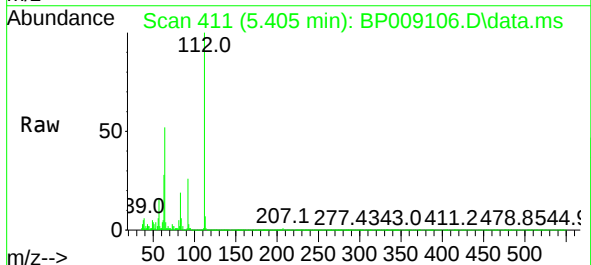
Instrument :  
BNA\_P  
ClientSampleId :  
GROUNDWATERDL

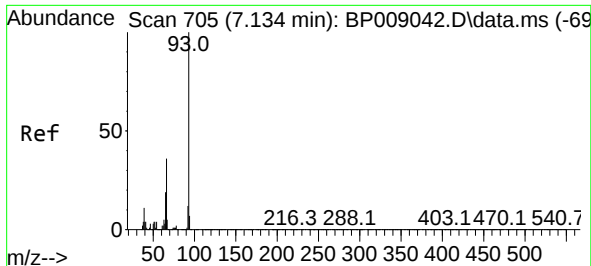
Tgt Ion:152 Resp: 250616  
Ion Ratio Lower Upper  
152 100  
150 159.3 127.0 190.6  
115 56.5 43.7 65.5



#5  
2-Fluorophenol  
Concen: 10.502 ng  
RT: 5.405 min Scan# 411  
Delta R.T. 0.012 min  
Lab File: BP009106.D  
Acq: 10 Feb 2022 18:56

Tgt Ion:112 Resp: 147545  
Ion Ratio Lower Upper  
112 100  
64 51.9 39.7 59.5  
63 27.6 20.0 30.0

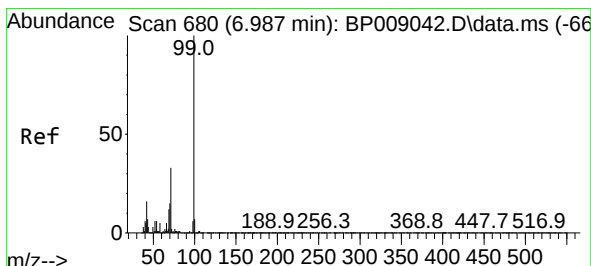
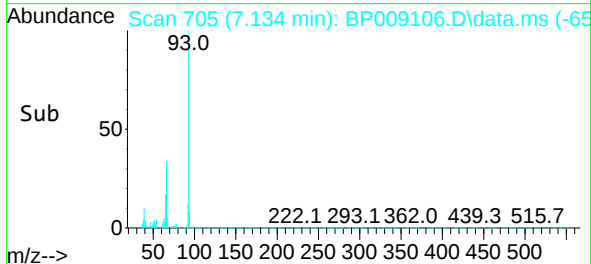
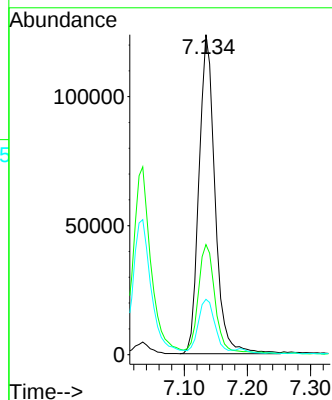
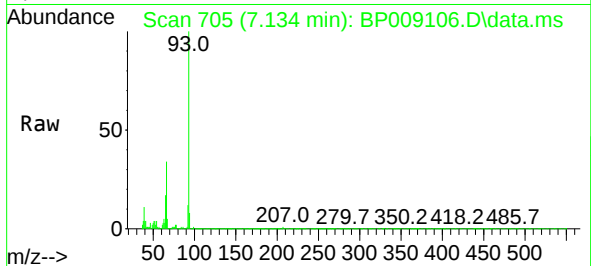




#6  
 Aniline  
 Concen: 10.356 ng  
 RT: 7.134 min Scan# 705  
 Delta R.T. 0.000 min  
 Lab File: BP009106.D  
 Acq: 10 Feb 2022 18:56

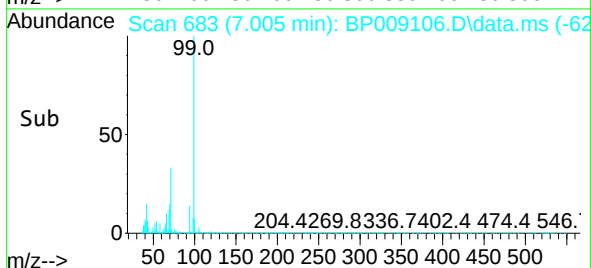
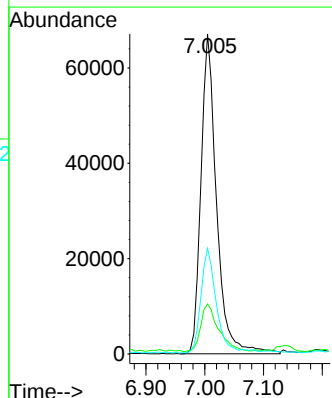
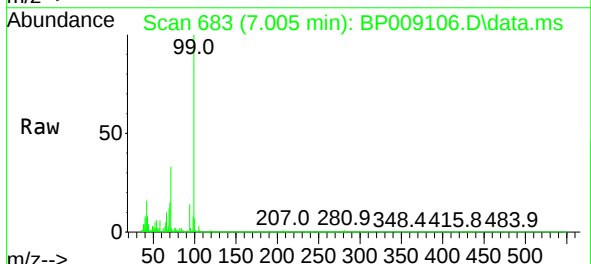
Instrument :  
 BNA\_P  
 ClientSampleId :  
 GROUNDWATERDL

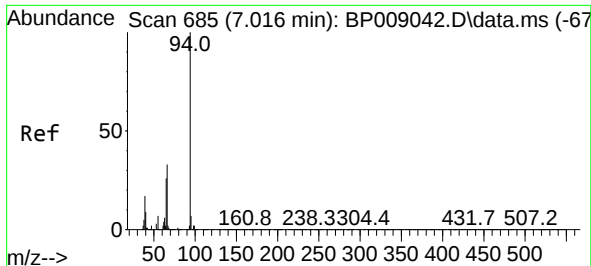
Tgt Ion: 93 Resp: 217609  
 Ion Ratio Lower Upper  
 93 100  
 66 34.4 27.8 41.6  
 65 17.3 14.0 21.0



#7  
 Phenol-d6  
 Concen: 6.669 ng  
 RT: 7.005 min Scan# 683  
 Delta R.T. 0.018 min  
 Lab File: BP009106.D  
 Acq: 10 Feb 2022 18:56

Tgt Ion: 99 Resp: 123457  
 Ion Ratio Lower Upper  
 99 100  
 42 15.6 10.8 16.2  
 71 33.0 23.8 35.6

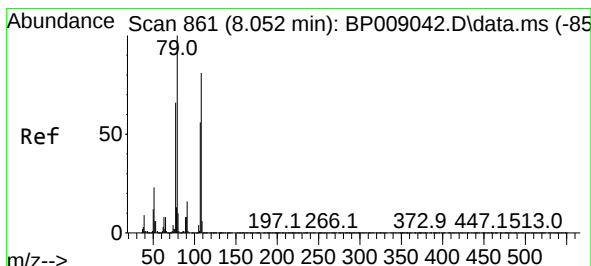
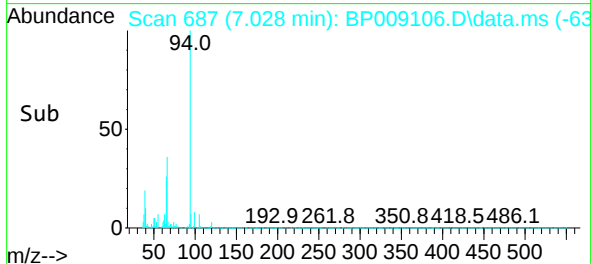
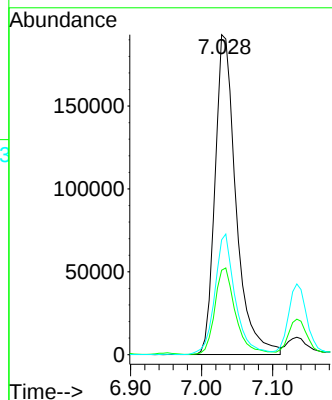
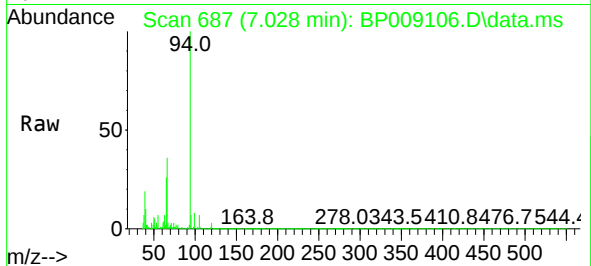




#10  
Phenol  
Concen: 21.276 ng  
RT: 7.028 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: BP009106.D  
Acq: 10 Feb 2022 18:56

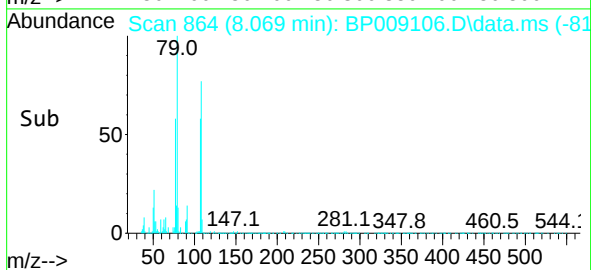
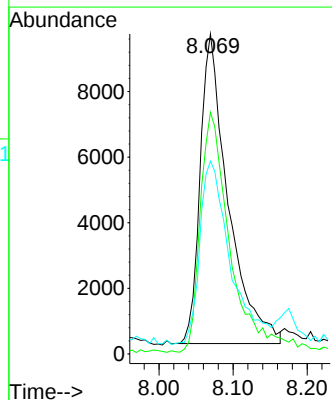
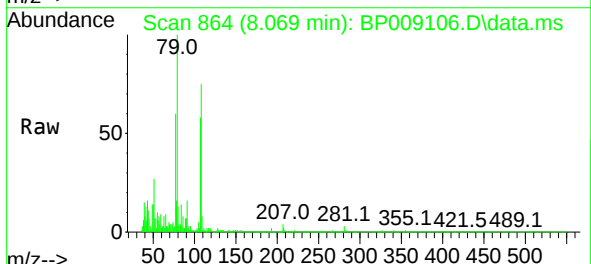
Instrument :  
BNA\_P  
ClientSampleId :  
GROUNDWATERDL

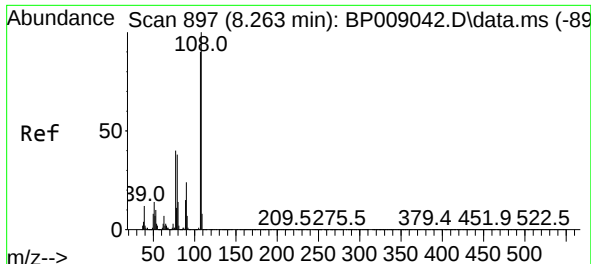
Tgt Ion: 94 Resp: 396006  
Ion Ratio Lower Upper  
94 100  
65 26.4 4.1 44.1  
66 35.9 12.4 52.4



#15  
Benzyl Alcohol  
Concen: 2.097 ng  
RT: 8.069 min Scan# 864  
Delta R.T. 0.018 min  
Lab File: BP009106.D  
Acq: 10 Feb 2022 18:56

Tgt Ion: 79 Resp: 24715  
Ion Ratio Lower Upper  
79 100  
108 75.5 67.8 101.8  
77 60.3 50.7 76.1

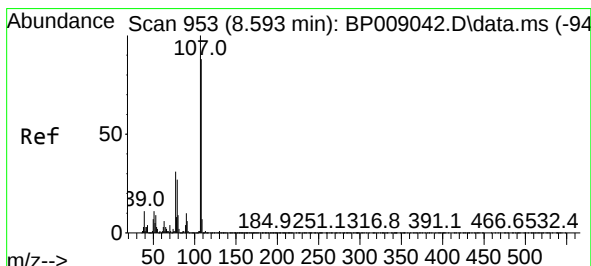
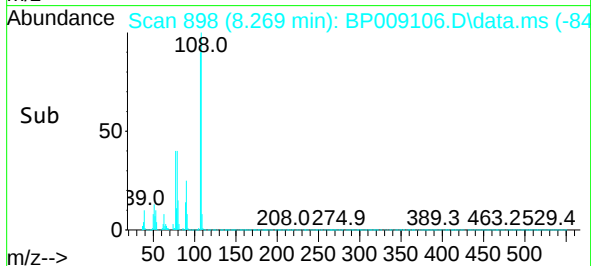
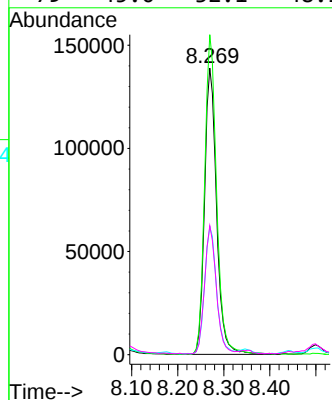
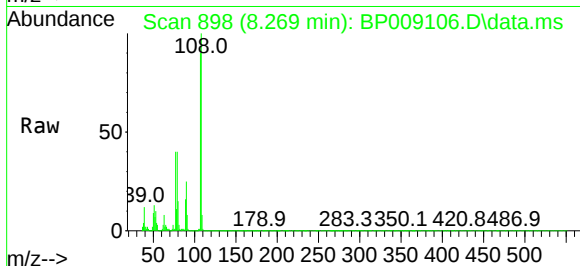




#17  
2-Methylphenol  
Concen: 20.364 ng  
RT: 8.269 min Scan# 897  
Delta R.T. 0.006 min  
Lab File: BP009106.D  
Acq: 10 Feb 2022 18:56

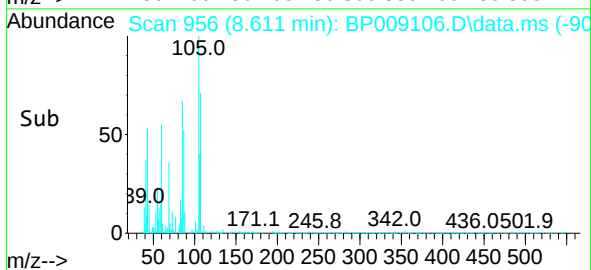
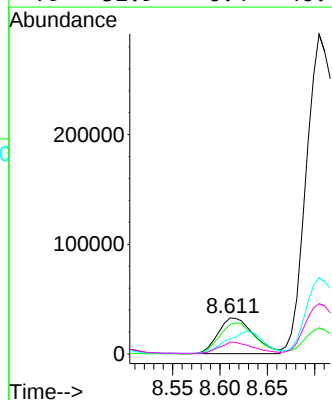
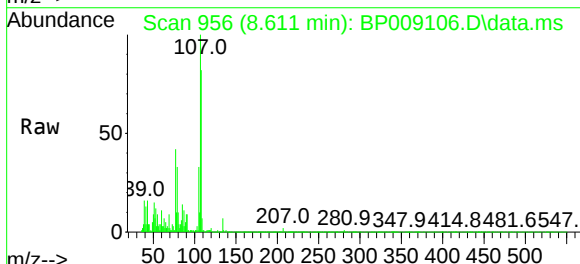
Instrument :  
BNA\_P  
ClientSampleId :  
GROUNDWATERDL

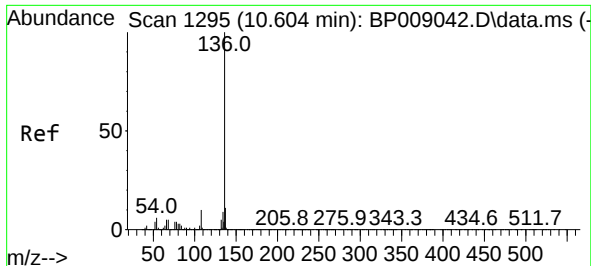
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 254112 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.7 | 90.0  | 135.0  |
| 77       | 44.5  | 32.7  | 49.1   |
| 79       | 45.0  | 32.1  | 48.1   |



#20  
3+4-Methylphenols  
Concen: 4.972 ng  
RT: 8.611 min Scan# 956  
Delta R.T. 0.018 min  
Lab File: BP009106.D  
Acq: 10 Feb 2022 18:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 84911 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 81.6  | 69.8  | 109.8 |
| 77       | 42.0  | 10.4  | 50.4  |
| 79       | 32.9  | 6.4   | 46.4  |



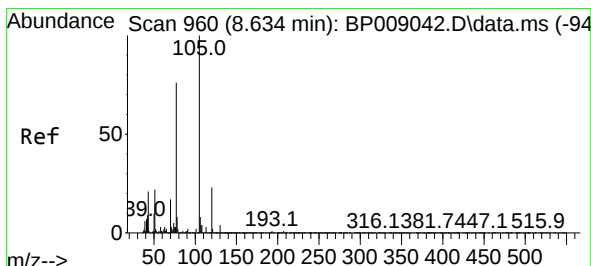
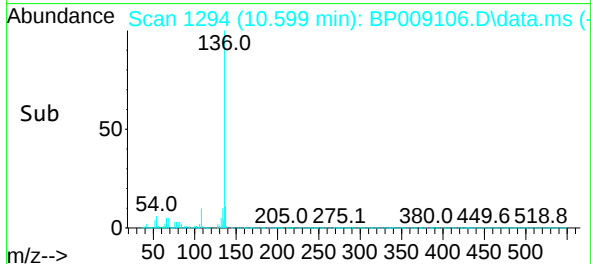
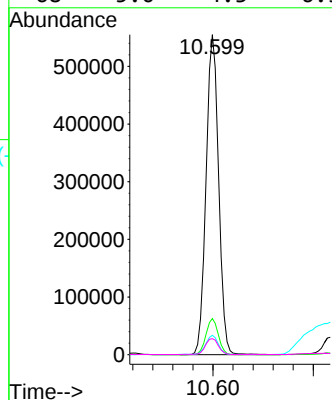
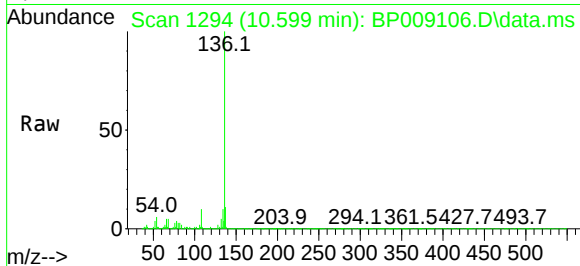


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.599 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BP009106.D  
Acq: 10 Feb 2022 18:56

Instrument :  
BNA\_P  
ClientSampleId :  
GROUNDWATERDL

Tgt Ion:136 Resp: 964729

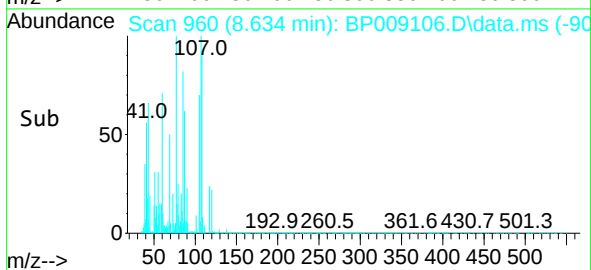
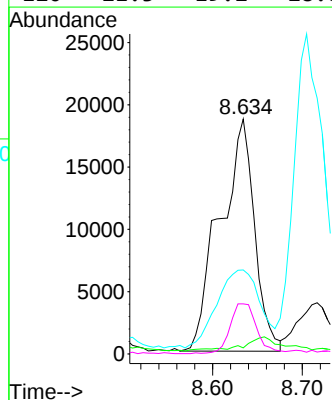
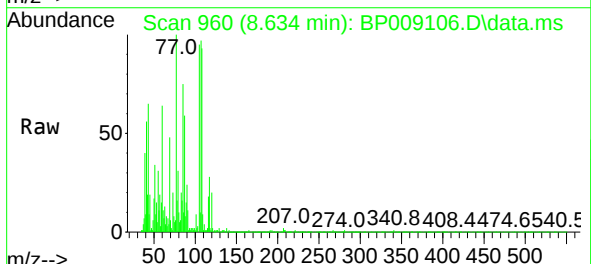
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 9.0   | 13.4  |
| 54  | 6.1   | 4.9   | 7.3   |
| 68  | 5.0   | 4.3   | 6.5   |

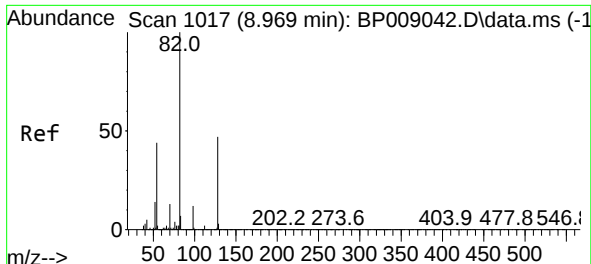


#22  
Acetophenone  
Concen: 2.209 ng  
RT: 8.634 min Scan# 960  
Delta R.T. 0.000 min  
Lab File: BP009106.D  
Acq: 10 Feb 2022 18:56

Tgt Ion:105 Resp: 49818

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 2.6   | 5.3   | 7.9#  |
| 51  | 35.7  | 16.3  | 24.5# |
| 120 | 21.3  | 19.2  | 28.8  |





#23

Nitrobenzene-d5

Concen: 17.304 ng

RT: 8.963 min Scan# 110

Delta R.T. -0.006 min

Lab File: BP009106.D

Acq: 10 Feb 2022 18:56

Instrument :

BNA\_P

ClientSampleId :

GROUNDWATERDL

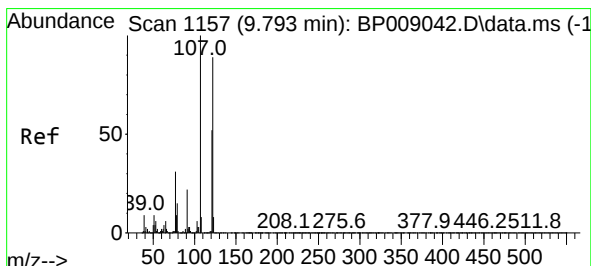
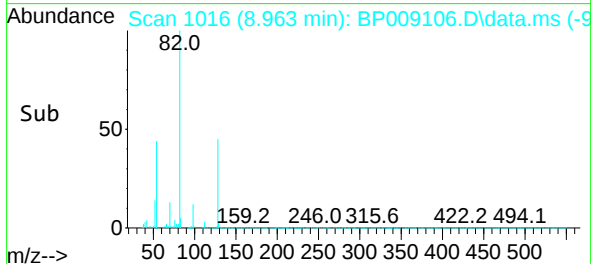
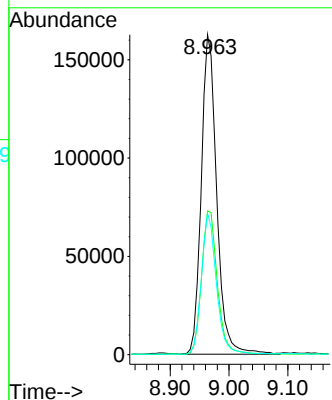
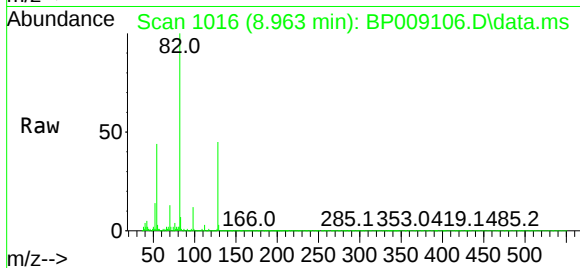
Tgt Ion: 82 Resp: 296013

Ion Ratio Lower Upper

82 100

128 44.9 39.4 59.2

54 44.3 32.6 48.8



#27

2,4-Dimethylphenol

Concen: 26.172 ng

RT: 9.805 min Scan# 1159

Delta R.T. 0.012 min

Lab File: BP009106.D

Acq: 10 Feb 2022 18:56

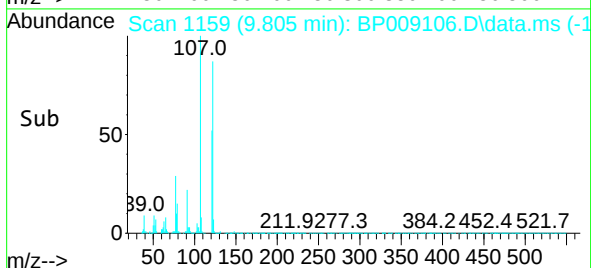
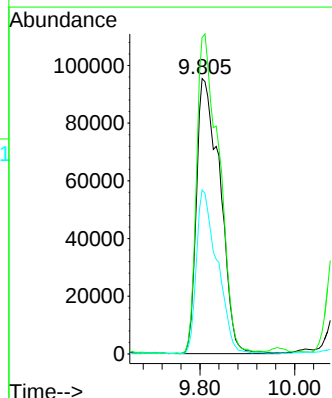
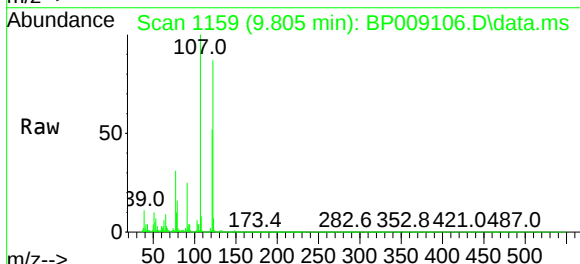
Tgt Ion: 122 Resp: 327316

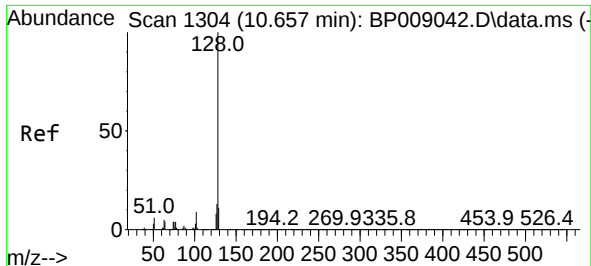
Ion Ratio Lower Upper

122 100

107 115.0 89.6 134.4

121 59.5 47.8 71.8

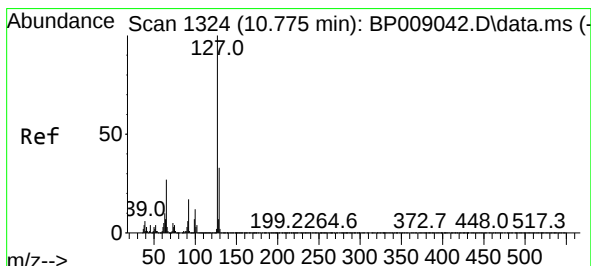
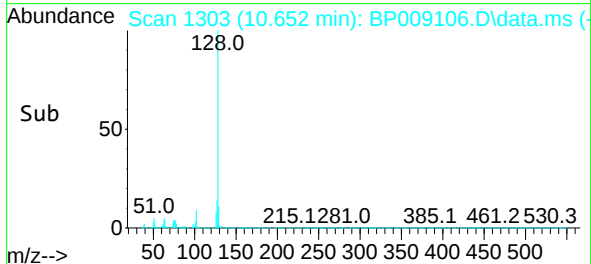
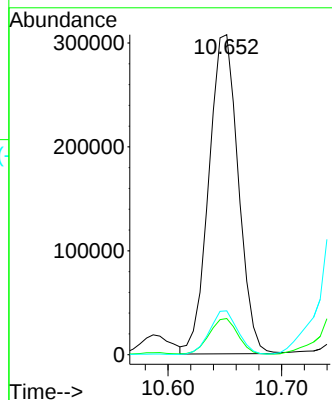
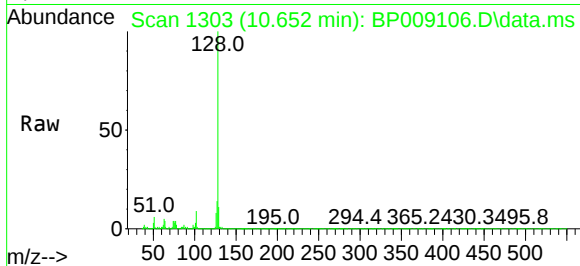




#31  
Naphthalene  
Concen: 11.259 ng  
RT: 10.652 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BP009106.D  
Acq: 10 Feb 2022 18:56

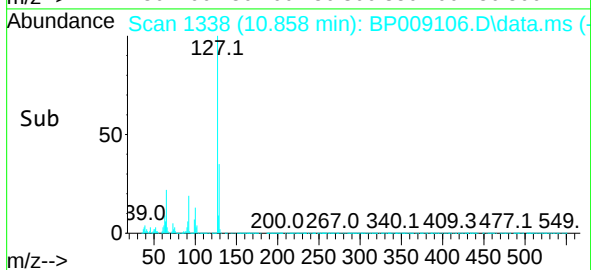
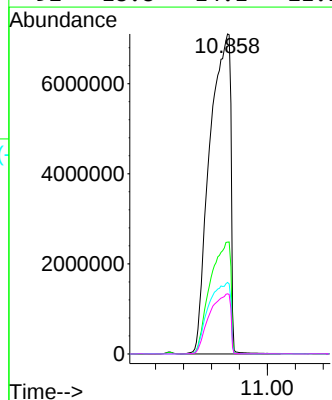
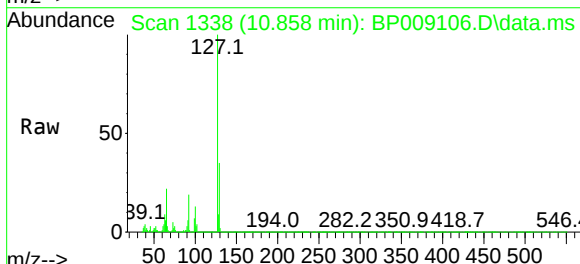
Instrument :  
BNA\_P  
ClientSampleId :  
GROUNDWATERDL

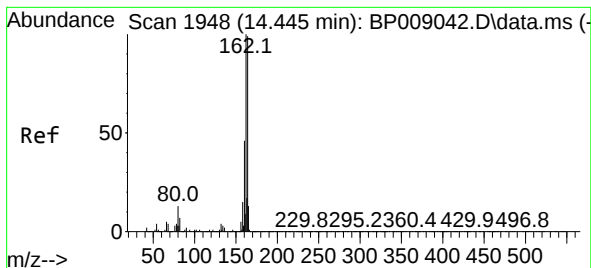
Tgt Ion:128 Resp: 554001  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.8 13.2  
127 13.7 10.4 15.6



#33  
4-Chloroaniline  
Concen: 1848.269 ng  
RT: 10.858 min Scan# 1338  
Delta R.T. 0.083 min  
Lab File: BP009106.D  
Acq: 10 Feb 2022 18:56

Tgt Ion:127 Resp:36721960  
Ion Ratio Lower Upper  
127 100  
129 35.0 26.0 39.0  
65 22.4 20.5 30.7  
92 18.8 14.1 21.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.446 min Scan# 1948

Delta R.T. 0.001 min

Lab File: BP009106.D

Acq: 10 Feb 2022 18:56

Instrument :

BNA\_P

ClientSampleId :

GROUNDWATERDL

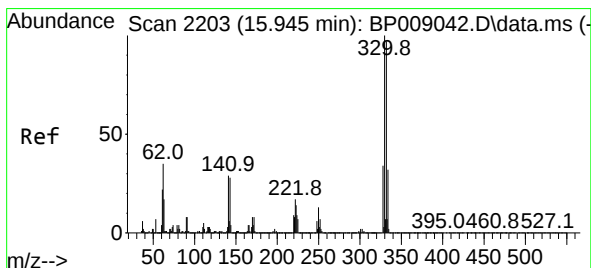
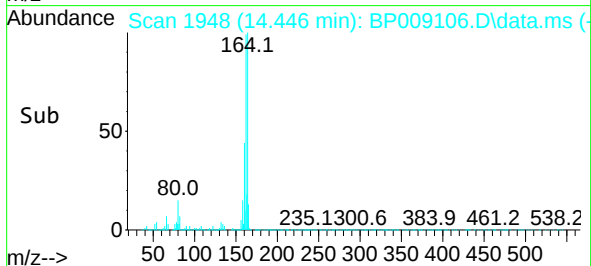
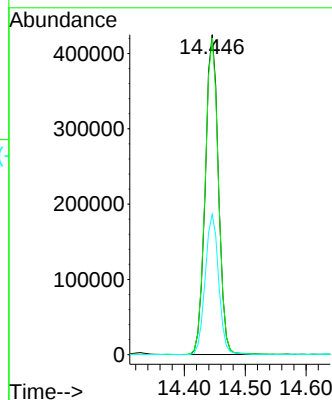
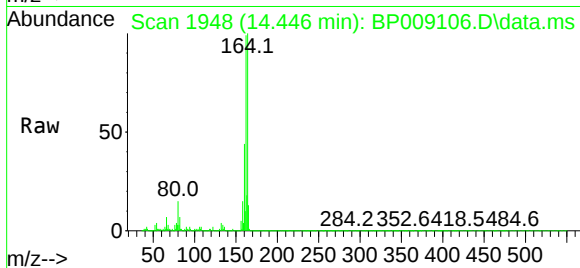
Tgt Ion:164 Resp: 639178

Ion Ratio Lower Upper

164 100

162 98.9 79.9 119.9

160 43.8 35.5 53.3



#42

2,4,6-Tribromophenol

Concen: 26.686 ng

RT: 15.945 min Scan# 2203

Delta R.T. 0.000 min

Lab File: BP009106.D

Acq: 10 Feb 2022 18:56

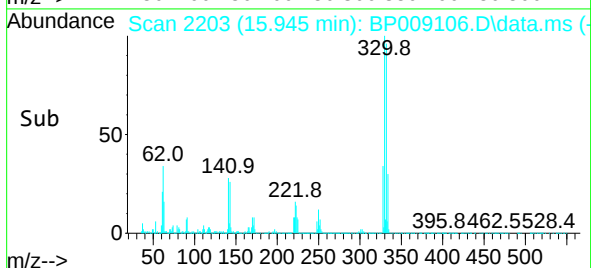
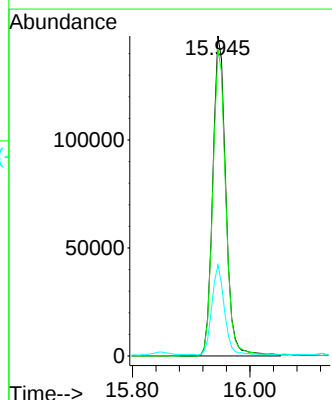
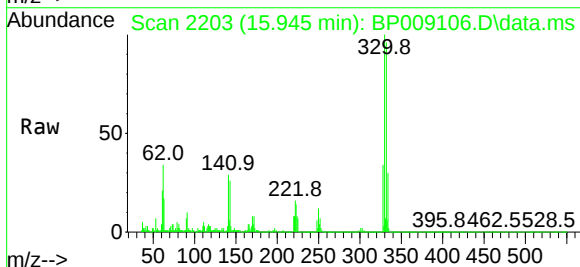
Tgt Ion:330 Resp: 227745

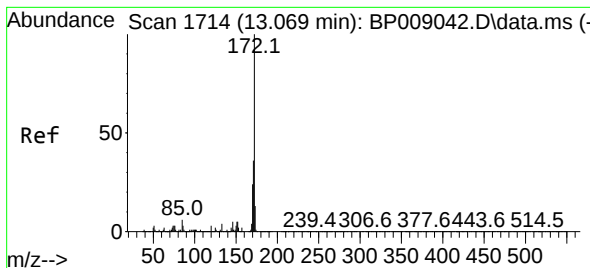
Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.4

141 27.2 21.3 31.9





#45

2-Fluorobiphenyl

Concen: 17.376 ng

RT: 13.069 min Scan# 1714

Delta R.T. 0.000 min

Lab File: BP009106.D

Acq: 10 Feb 2022 18:56

Instrument :

BNA\_P

ClientSampleId :

GROUNDWATERDL

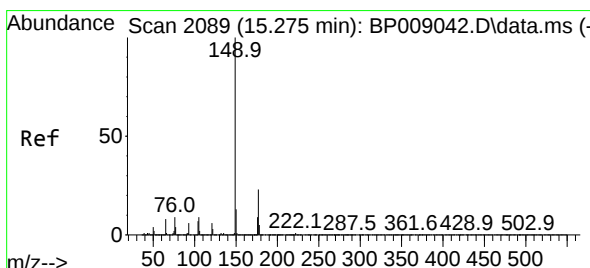
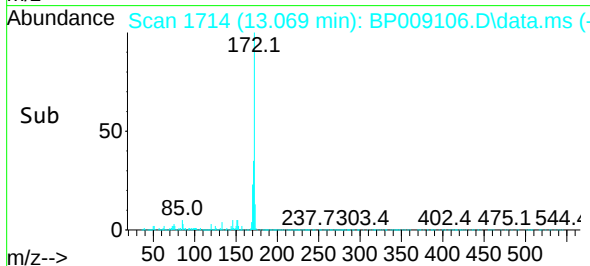
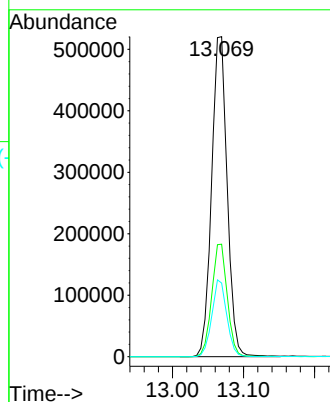
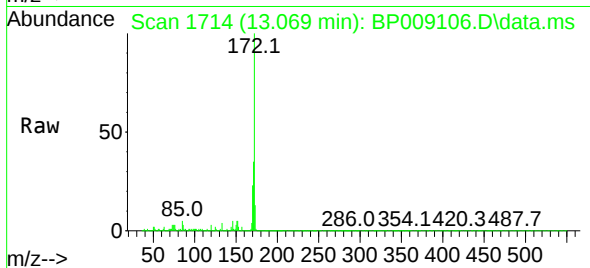
Tgt Ion:172 Resp: 793383

Ion Ratio Lower Upper

172 100

171 35.1 29.3 43.9

170 23.0 19.5 29.3



#60

Diethylphthalate

Concen: 3.608 ng

RT: 15.275 min Scan# 2089

Delta R.T. -0.000 min

Lab File: BP009106.D

Acq: 10 Feb 2022 18:56

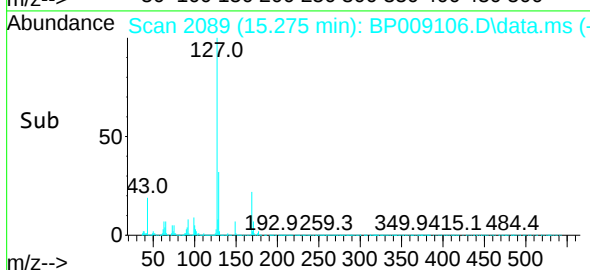
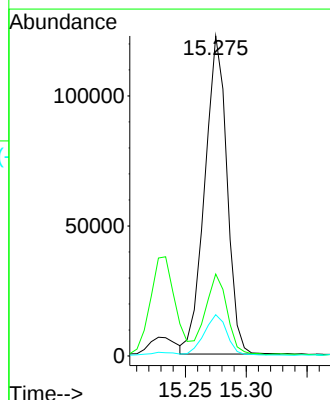
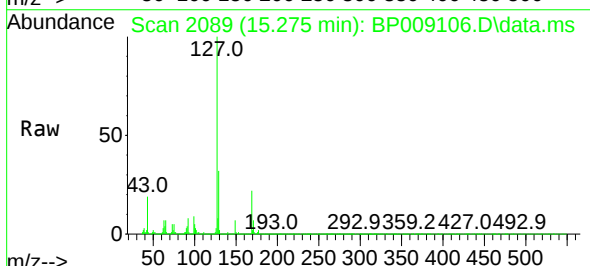
Tgt Ion:149 Resp: 155447

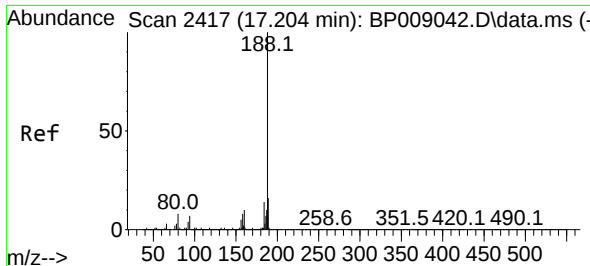
Ion Ratio Lower Upper

149 100

177 25.6 19.9 29.9

150 12.9 10.3 15.5

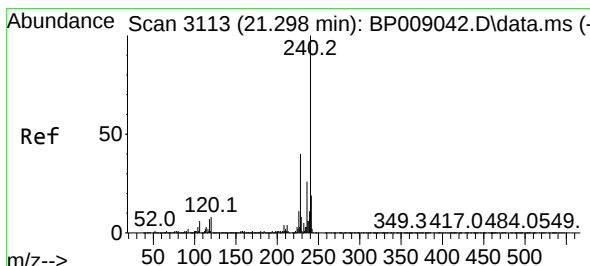
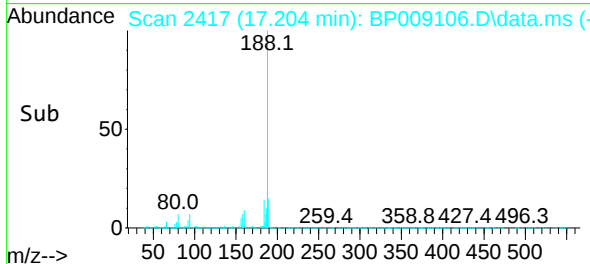
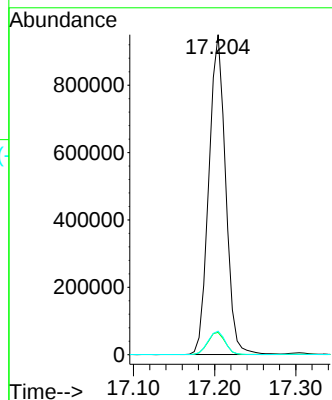
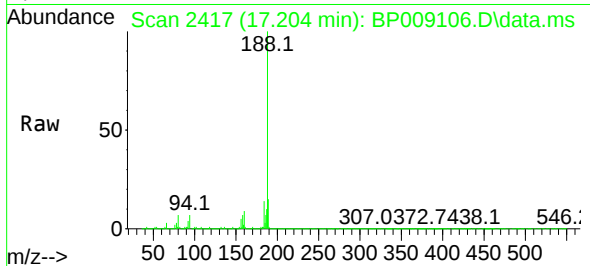




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.204 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: BP009106.D  
Acq: 10 Feb 2022 18:56

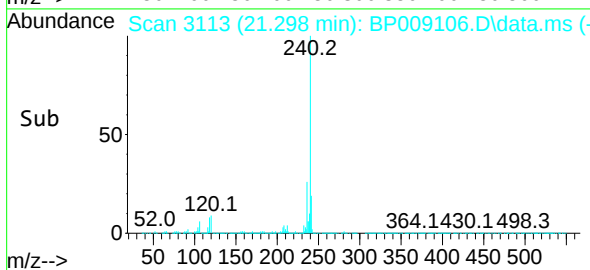
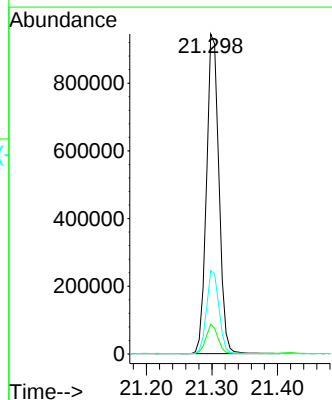
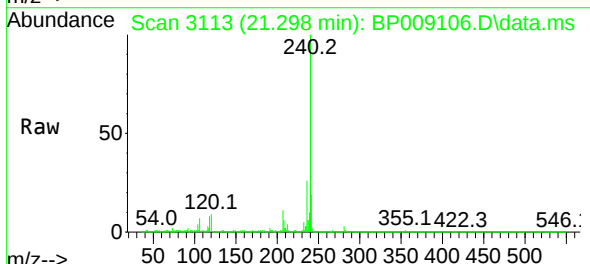
Instrument :  
BNA\_P  
ClientSampleId :  
GROUNDWATERDL

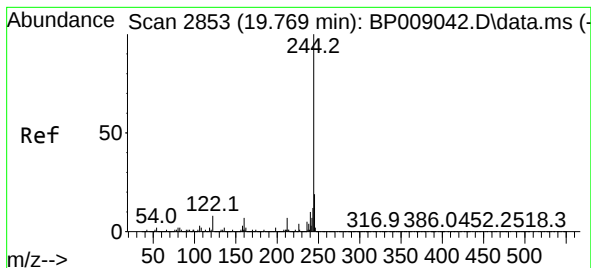
Tgt Ion:188 Resp: 1362924  
Ion Ratio Lower Upper  
188 100  
94 7.0 6.8 10.2  
80 7.4 7.2 10.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.298 min Scan# 3113  
Delta R.T. 0.000 min  
Lab File: BP009106.D  
Acq: 10 Feb 2022 18:56

Tgt Ion:240 Resp: 1247225  
Ion Ratio Lower Upper  
240 100  
120 9.3 7.7 11.5  
236 26.1 21.2 31.8





#79

Terphenyl-d14

Concen: 17.222 ng

RT: 19.769 min Scan# 2853

Delta R.T. 0.000 min

Lab File: BP009106.D

Acq: 10 Feb 2022 18:56

Instrument :

BNA\_P

ClientSampleId :

GROUNDWATERDL

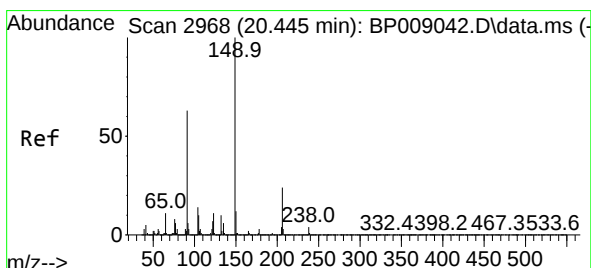
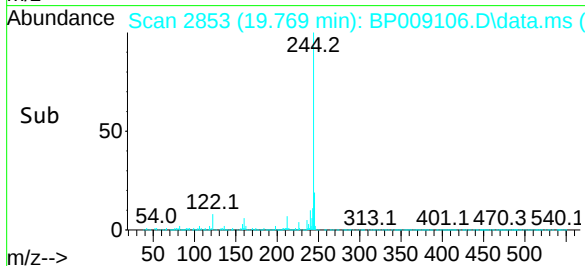
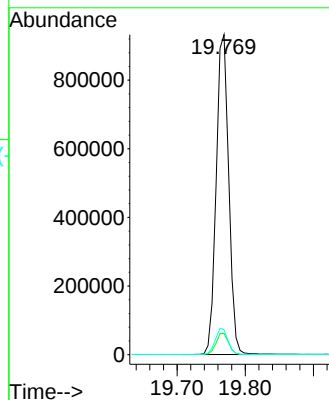
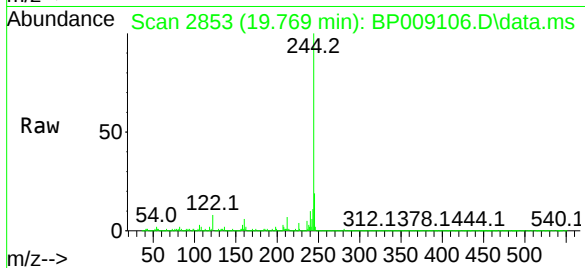
Tgt Ion:244 Resp: 1194439

Ion Ratio Lower Upper

244 100

212 6.7 6.5 9.7

122 7.8 9.2 13.8#



#80

Butylbenzylphthalate

Concen: 9.114 ng

RT: 20.445 min Scan# 2968

Delta R.T. 0.000 min

Lab File: BP009106.D

Acq: 10 Feb 2022 18:56

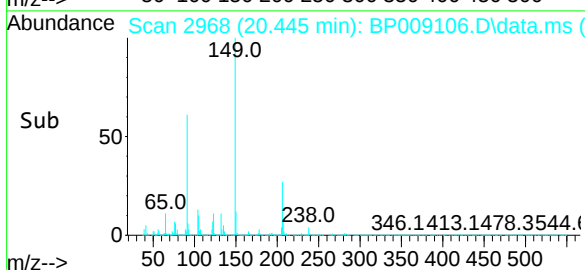
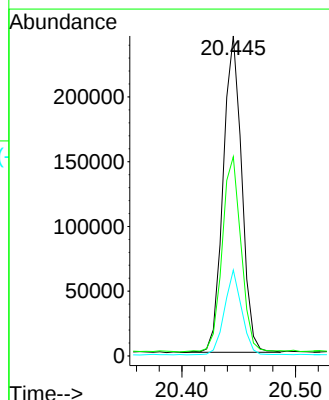
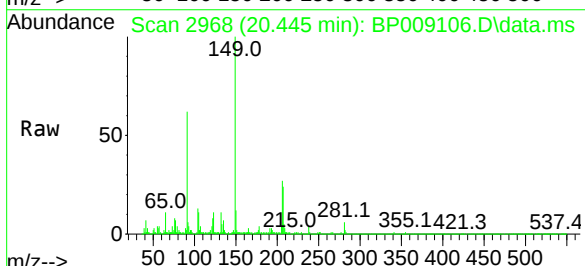
Tgt Ion:149 Resp: 278038

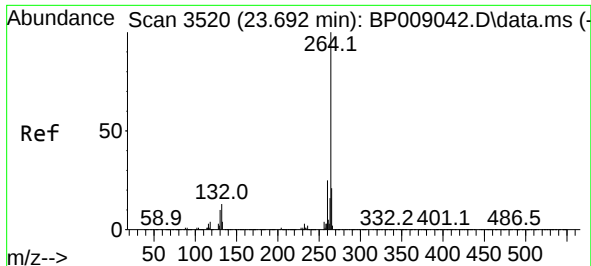
Ion Ratio Lower Upper

149 100

91 62.3 50.6 76.0

206 26.9 19.7 29.5





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.704 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: BP009106.D  
Acq: 10 Feb 2022 18:56

Instrument :  
BNA\_P  
ClientSampleId :  
GROUNDWATERDL

Tgt Ion:264 Resp: 1362243  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 19.1  | 28.7  |
| 265 | 21.7  | 17.1  | 25.7  |

