

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102622\  
 Data File : BM037247.D  
 Acq On : 26 Oct 2022 21:01  
 Operator : CG/JU  
 Sample : N5156-02  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EFF-WASTE-WATER

Quant Time: Oct 27 07:51:48 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM102622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 27 04:49:27 2022  
 Response via : Initial Calibration

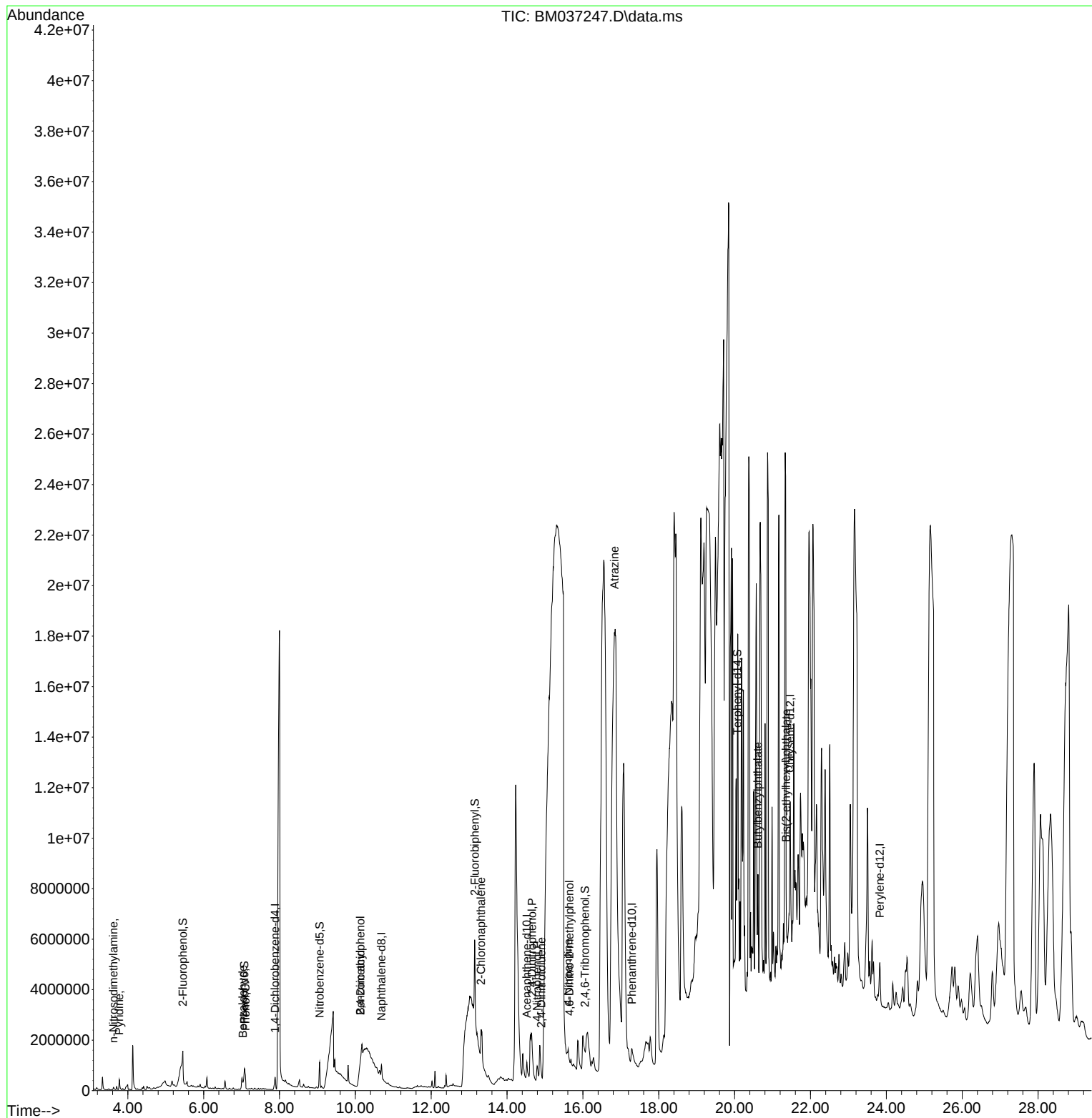
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.887  | 152  | 74119    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.686 | 136  | 420472   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.522 | 164  | 360541   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.292 | 188  | 941944   | 20.000 | ng    | 0.03     |
| 76) Chrysene-d12              | 21.468 | 240  | 1065054  | 20.000 | ng    | 0.03     |
| 86) Perylene-d12              | 23.827 | 264  | 1069153  | 20.000 | ng    | 0.02     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.452  | 112  | 183244   | 50.688 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.075  | 99   | 252697   | 50.503 | ng    | 0.02     |
| 23) Nitrobenzene-d5           | 9.057  | 82   | 542171   | 73.612 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.057 | 330  | 434516   | 97.221 | ng    | 0.05     |
| 45) 2-Fluorobiphenyl          | 13.145 | 172  | 1723482  | 67.509 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.068 | 244  | 2723074  | 52.303 | ng    | 0.18     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 3) Pyridine                   | 3.775  | 79   | 122917   | 28.318 | ng    | # 1      |
| 4) n-Nitrosodimethylamine     | 3.622  | 42   | 4942     | 2.723  | ng    | # 1      |
| 9) Benzaldehyde               | 7.034  | 77   | 14480    | 5.246  | ng    | 97       |
| 10) Phenol                    | 7.104  | 94   | 16085    | 2.885  | ng    | 86       |
| 27) 2,4-Dimethylphenol        | 10.134 | 122  | 32364    | 6.161  | ng    | # 28     |
| 32) Benzoic acid              | 10.134 | 122  | 32364    | 12.358 | ng    | 91       |
| 47) 2-Chloronaphthalene       | 13.316 | 162  | 315480   | 14.988 | ng    | # 41     |
| 54) 2,4-Dinitrophenol         | 14.657 | 184  | 7353     | 7.412  | ng    | # 1      |
| 56) 4-Nitrophenol             | 14.792 | 139  | 13657    | 2.810  | ng    | # 61     |
| 57) 2,4-Dinitrotoluene        | 14.904 | 165  | 752      | 2.503  | ng    | # 1      |
| 62) 4-Nitroaniline            | 15.616 | 138  | 4920     | 3.063  | ng    | # 32     |
| 65) 4,6-Dinitro-2-methylph... | 15.645 | 198  | 54       | 4.678  | ng    | # 1      |
| 69) Atrazine                  | 16.833 | 200  | 133407   | 16.252 | ng    | # 48     |
| 80) Butylbenzylphthalate      | 20.609 | 149  | 101088   | 3.989  | ng    | 91       |
| 84) Bis(2-ethylhexyl)phtha... | 21.356 | 149  | 287589   | 7.882  | ng    | 93       |
| -----                         |        |      |          |        |       |          |

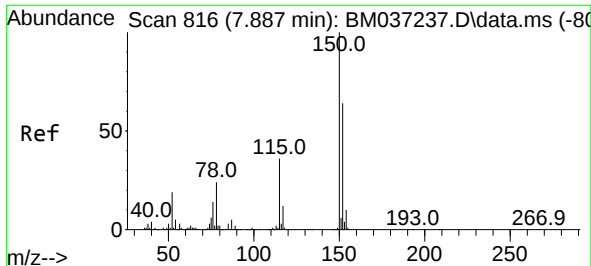
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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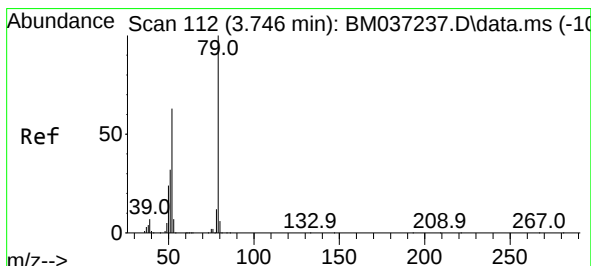
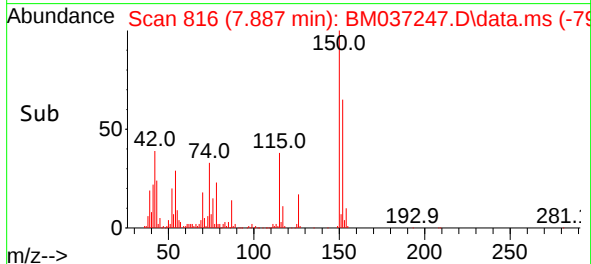
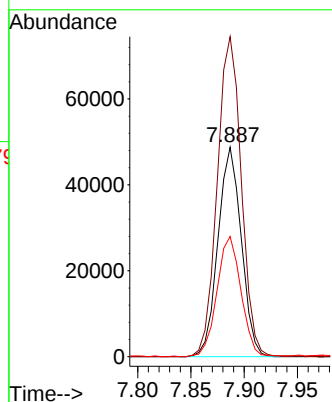
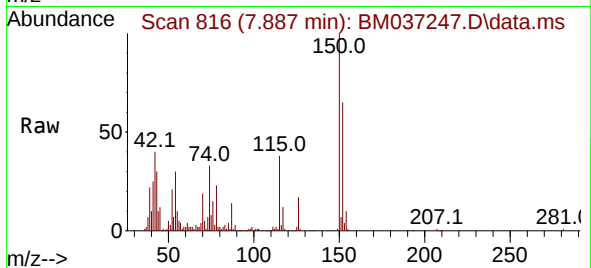




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.887 min Scan# 816  
Delta R.T. -0.000 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

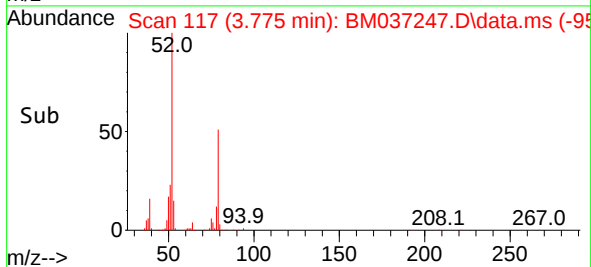
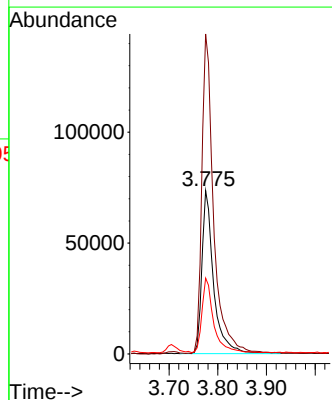
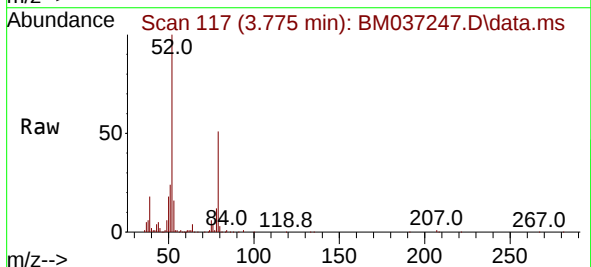
Instrument :  
BNA\_M  
ClientSampleId :  
EFF-WASTE-WATER

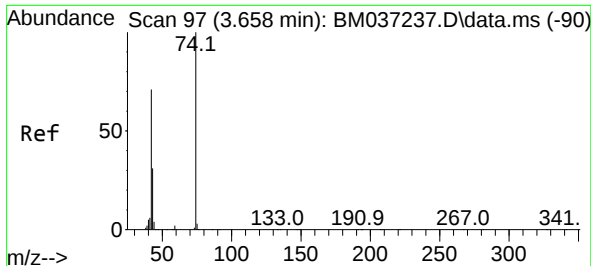
Tgt Ion:152 Resp: 74119  
Ion Ratio Lower Upper  
152 100  
150 152.8 125.6 188.4  
115 57.4 45.2 67.8



#3  
Pyridine  
Concen: 28.318 ng  
RT: 3.775 min Scan# 117  
Delta R.T. 0.029 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

Tgt Ion: 79 Resp: 122917  
Ion Ratio Lower Upper  
79 100  
52 195.8 50.1 75.1#  
51 46.4 25.4 38.2#

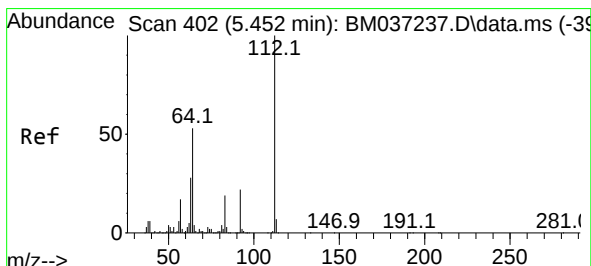
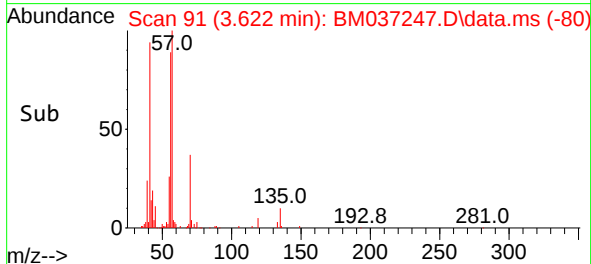
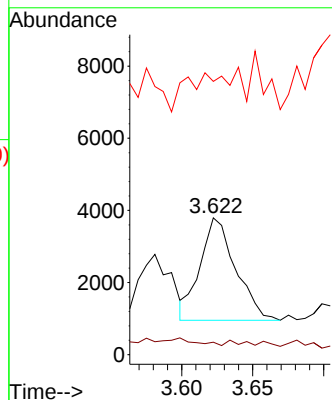
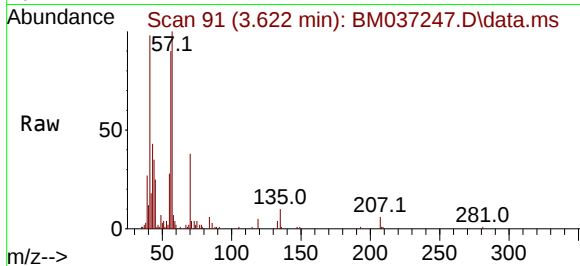




#4  
 n-Nitrosodimethylamine  
 Concen: 2.723 ng  
 RT: 3.622 min Scan# 91  
 Delta R.T. -0.035 min  
 Lab File: BM037247.D  
 Acq: 26 Oct 2022 21:01

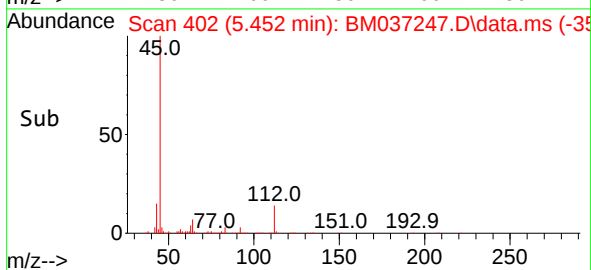
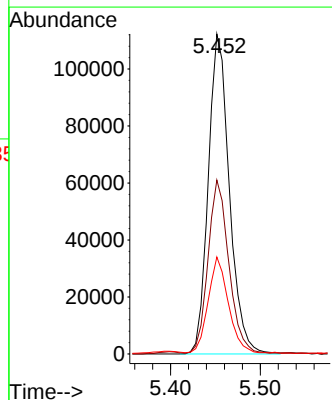
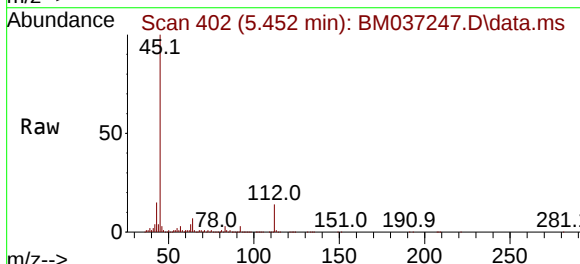
Instrument :  
 BNA\_M  
 ClientSampleId :  
 EFF-WASTE-WATER

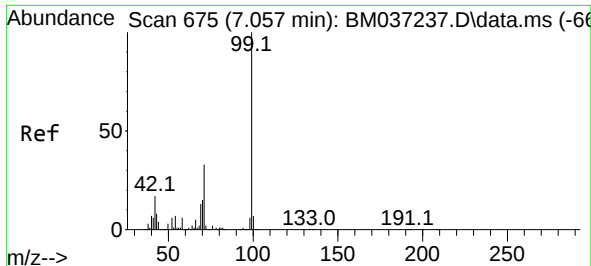
Tgt Ion: 42 Resp: 4942  
 Ion Ratio Lower Upper  
 42 100  
 74 9.2 112.4 168.6#  
 44 199.8 5.0 7.6#



#5  
 2-Fluorophenol  
 Concen: 50.688 ng  
 RT: 5.452 min Scan# 402  
 Delta R.T. -0.000 min  
 Lab File: BM037247.D  
 Acq: 26 Oct 2022 21:01

Tgt Ion: 112 Resp: 183244  
 Ion Ratio Lower Upper  
 112 100  
 64 54.4 42.5 63.7  
 63 30.3 22.6 33.8

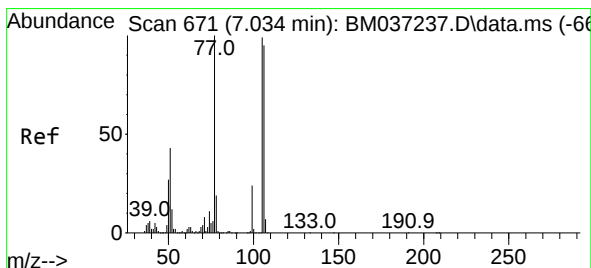
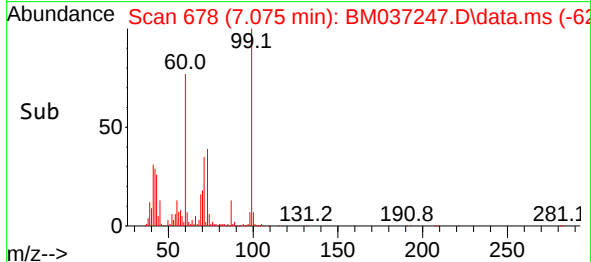
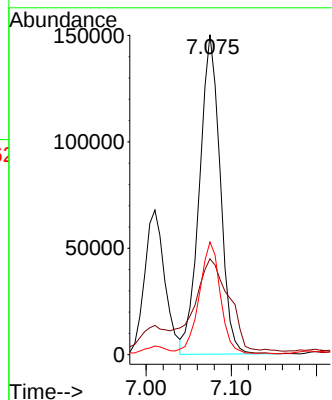
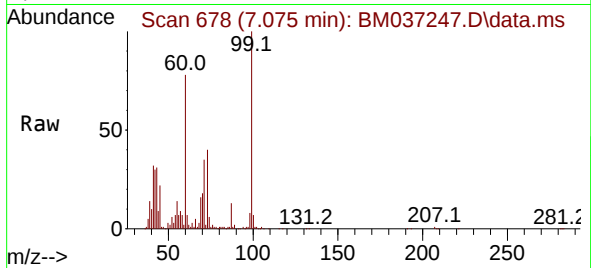




#7  
Phenol-d6  
Concen: 50.503 ng  
RT: 7.075 min Scan# 675  
Delta R.T. 0.018 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

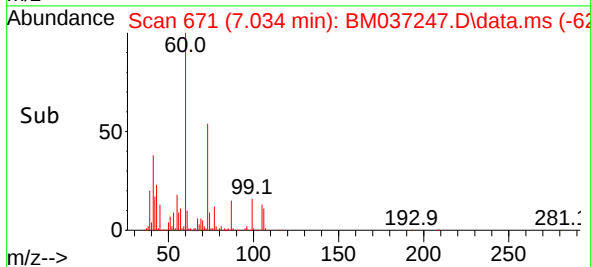
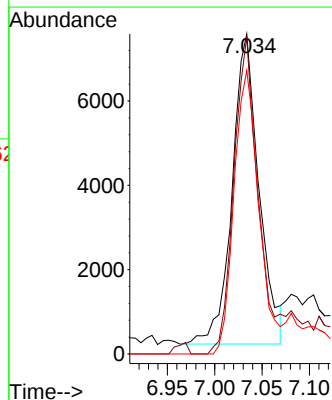
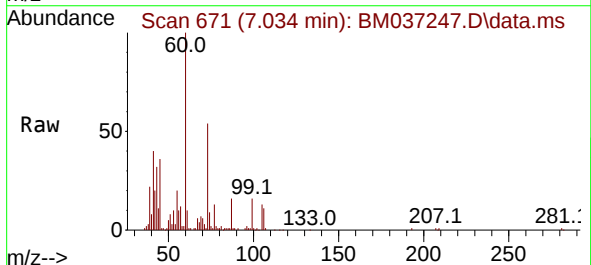
Instrument :  
BNA\_M  
ClientSampleId :  
EFF-WASTE-WATER

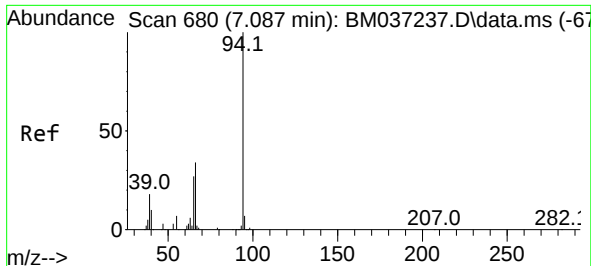
Tgt Ion: 99 Resp: 252697  
Ion Ratio Lower Upper  
99 100  
42 30.0 13.8 20.6#  
71 35.2 26.5 39.7



#9  
Benzaldehyde  
Concen: 5.246 ng  
RT: 7.034 min Scan# 671  
Delta R.T. -0.000 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

Tgt Ion: 77 Resp: 14480  
Ion Ratio Lower Upper  
77 100  
105 99.1 78.8 118.8  
106 88.6 75.1 115.1

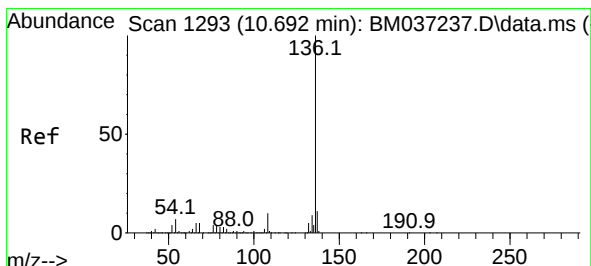
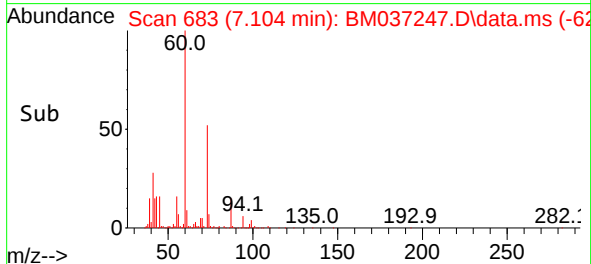
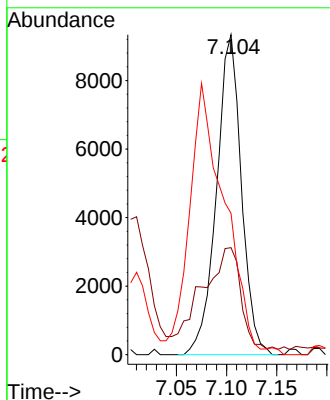
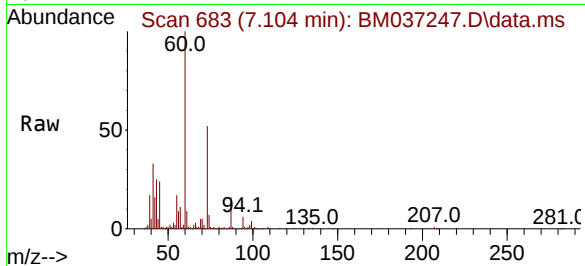




#10  
Phenol  
Concen: 2.885 ng  
RT: 7.104 min Scan# 61  
Delta R.T. 0.018 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

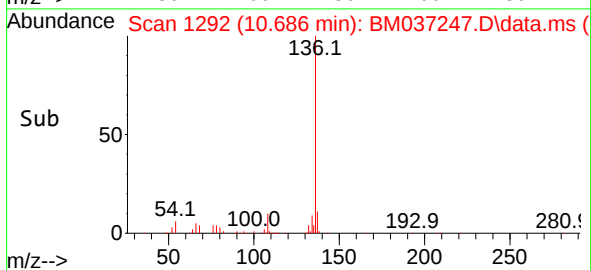
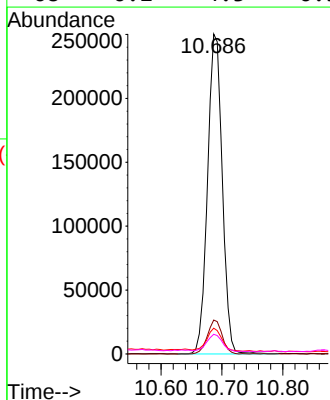
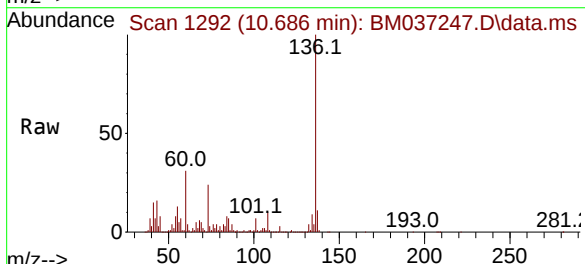
Instrument :  
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ClientSampleId :  
EFF-WASTE-WATER

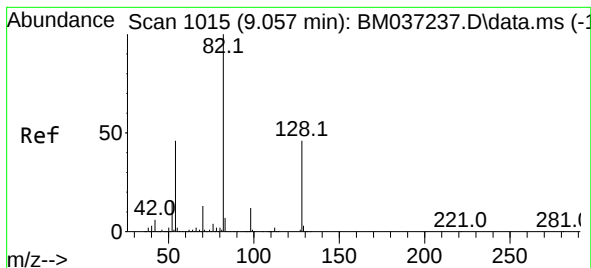
Tgt Ion: 94 Resp: 16085  
Ion Ratio Lower Upper  
94 100  
65 33.4 7.6 47.6  
66 44.2 15.1 55.1



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.686 min Scan# 1292  
Delta R.T. -0.006 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

Tgt Ion: 136 Resp: 420472  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.6 12.8  
54 8.1 5.6 8.4  
68 6.2 4.3 6.5

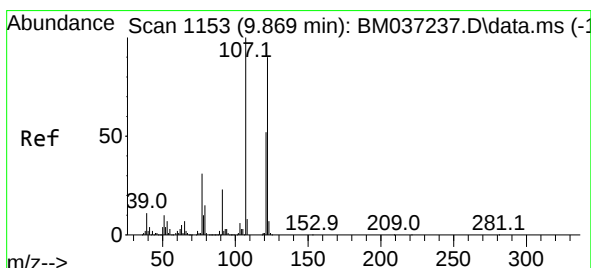
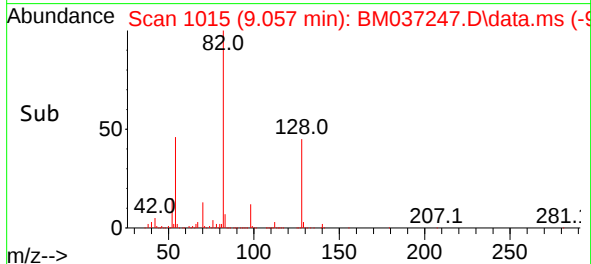
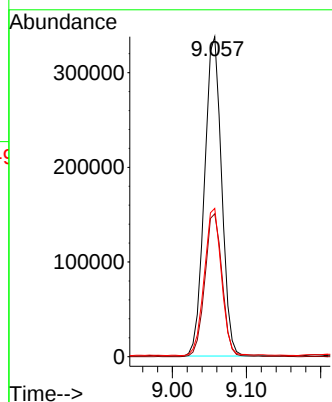
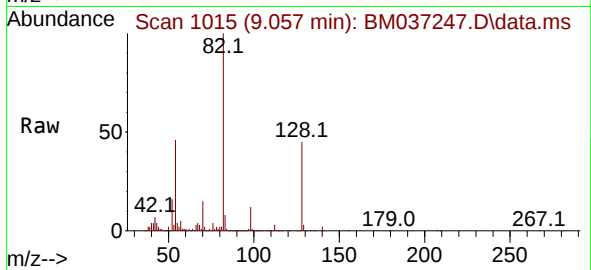




#23  
Nitrobenzene-d5  
Concen: 73.612 ng  
RT: 9.057 min Scan# 1198  
Delta R.T. 0.000 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

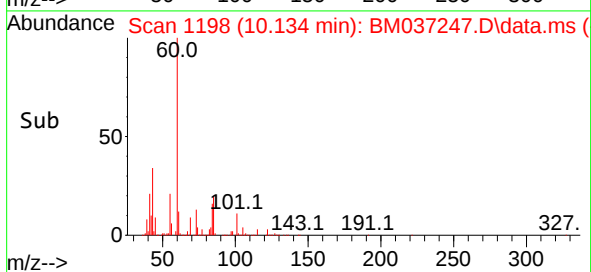
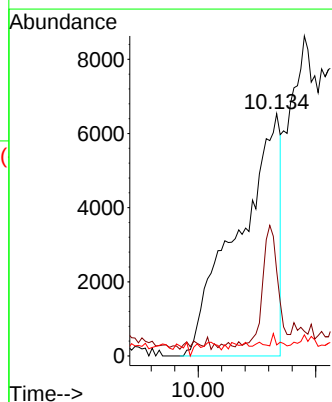
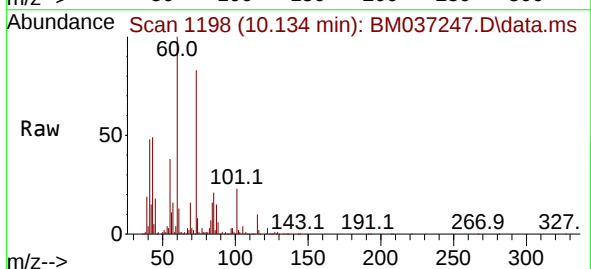
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ClientSampleId :  
EFF-WASTE-WATER

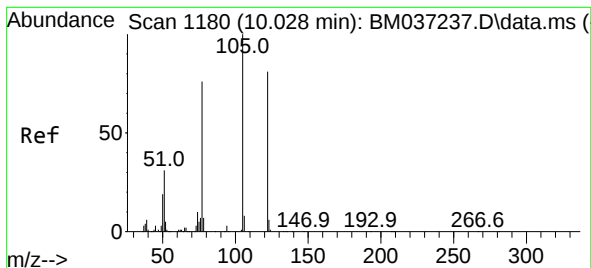
Tgt Ion: 82 Resp: 542171  
Ion Ratio Lower Upper  
82 100  
128 44.7 36.7 55.1  
54 46.4 36.6 55.0



#27  
2,4-Dimethylphenol  
Concen: 6.161 ng  
RT: 10.134 min Scan# 1198  
Delta R.T. 0.265 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

Tgt Ion: 122 Resp: 32364  
Ion Ratio Lower Upper  
122 100  
107 35.1 89.0 133.4#  
121 4.6 46.2 69.4#





#32

Benzoic acid

Concen: 12.358 ng

RT: 10.134 min Scan# 1180

Delta R.T. 0.106 min

Lab File: BM037247.D

Acq: 26 Oct 2022 21:01

Instrument :

BNA\_M

ClientSampleId :

EFF-WASTE-WATER

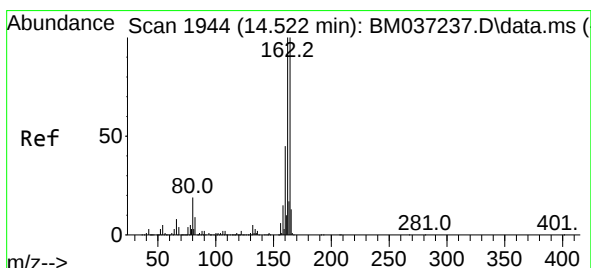
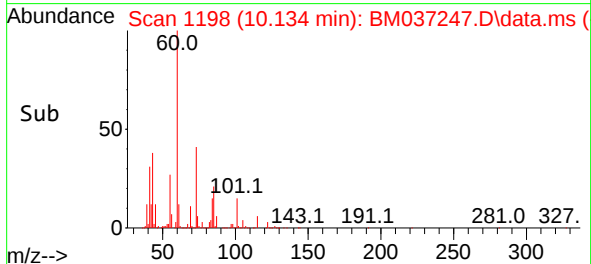
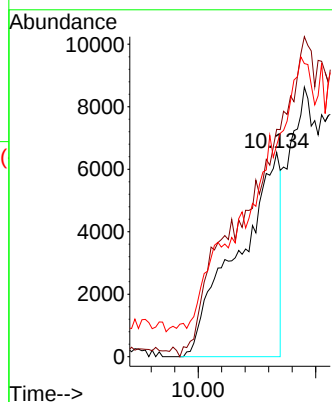
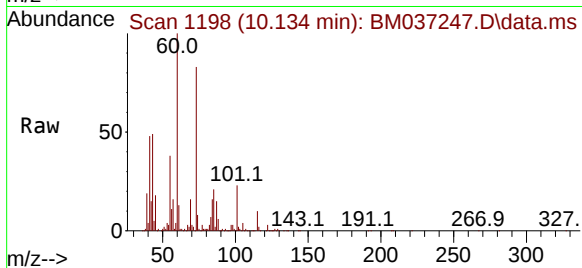
Tgt Ion:122 Resp: 32364

Ion Ratio Lower Upper

122 100

105 111.4 99.1 139.1

77 103.7 72.3 112.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.522 min Scan# 1944

Delta R.T. -0.000 min

Lab File: BM037247.D

Acq: 26 Oct 2022 21:01

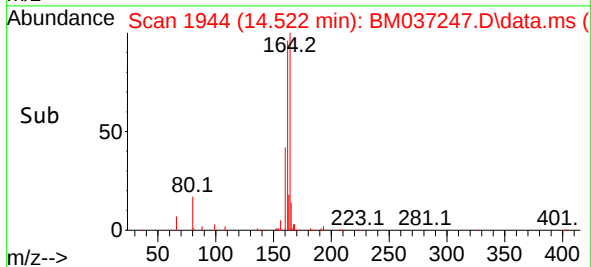
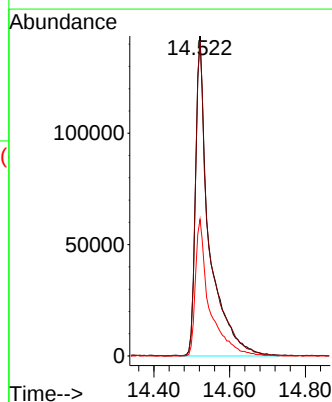
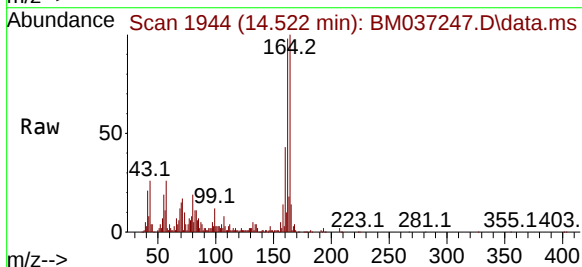
Tgt Ion:164 Resp: 360541

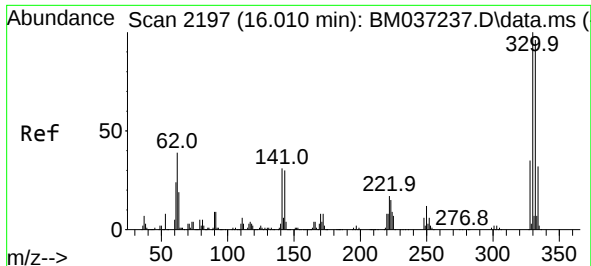
Ion Ratio Lower Upper

164 100

162 98.4 80.0 120.0

160 42.7 36.1 54.1

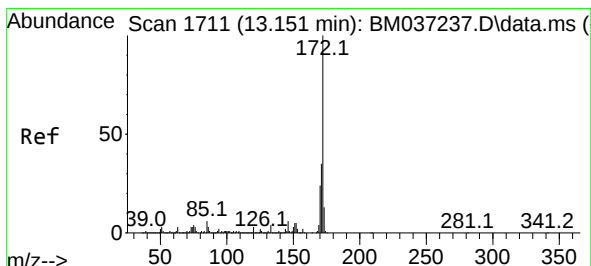
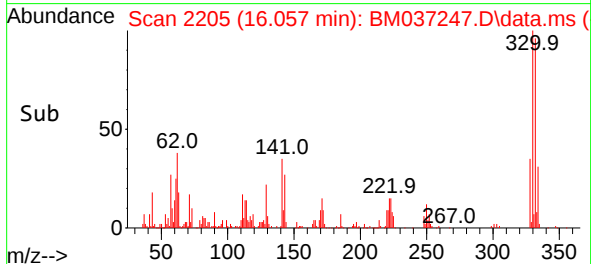
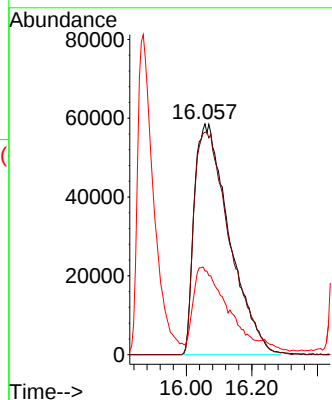
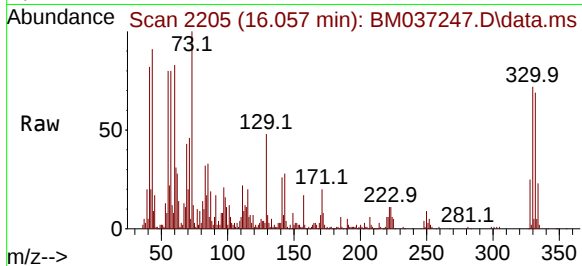




#42  
2,4,6-Tribromophenol  
Concen: 97.221 ng  
RT: 16.057 min Scan# 2197  
Delta R.T. 0.047 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

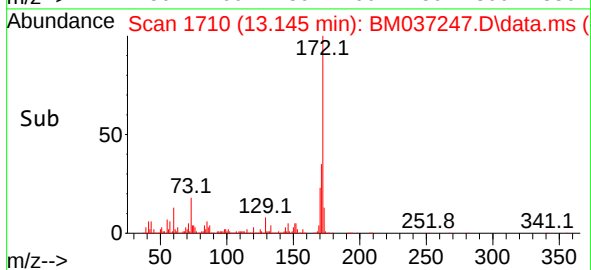
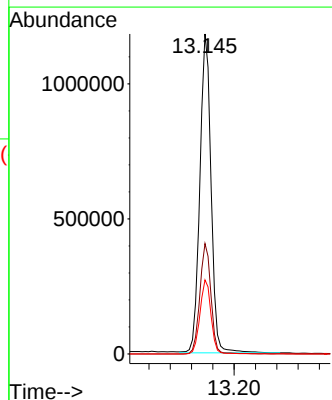
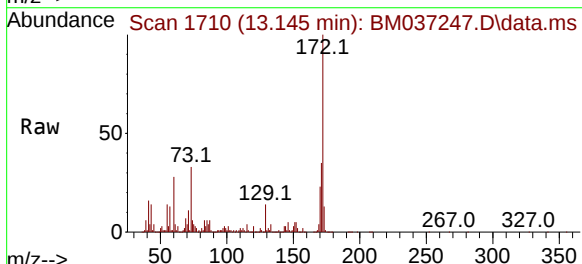
Instrument :  
BNA\_M  
ClientSampleId :  
EFF-WASTE-WATER

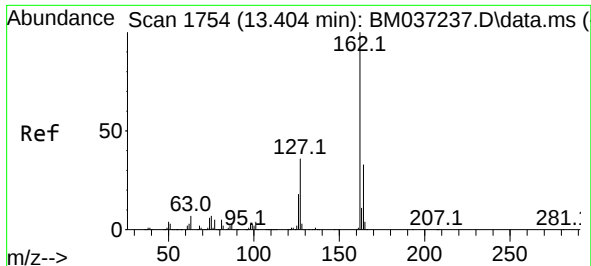
Tgt Ion:330 Resp: 434516  
Ion Ratio Lower Upper  
330 100  
332 98.0 77.8 116.6  
141 30.4 25.3 37.9



#45  
2-Fluorobiphenyl  
Concen: 67.509 ng  
RT: 13.145 min Scan# 1710  
Delta R.T. -0.006 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

Tgt Ion:172 Resp: 1723482  
Ion Ratio Lower Upper  
172 100  
171 34.5 27.7 41.5  
170 23.1 18.9 28.3

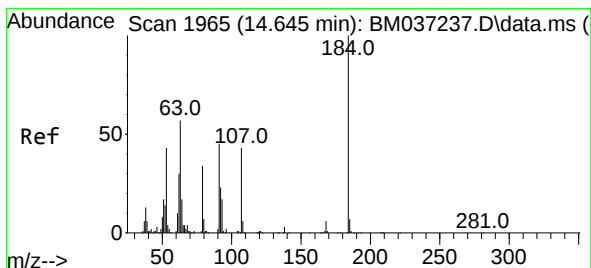
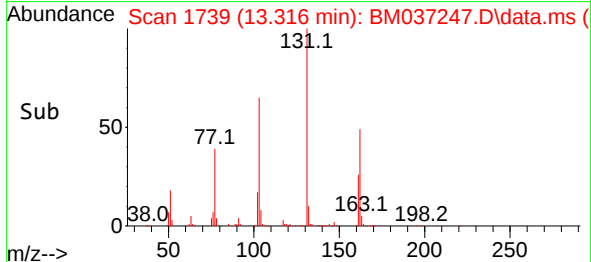
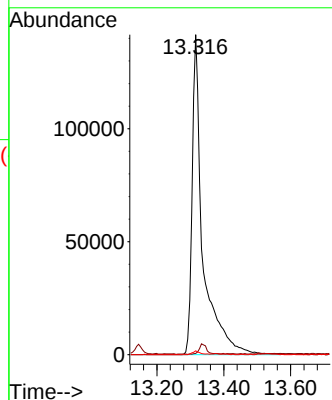
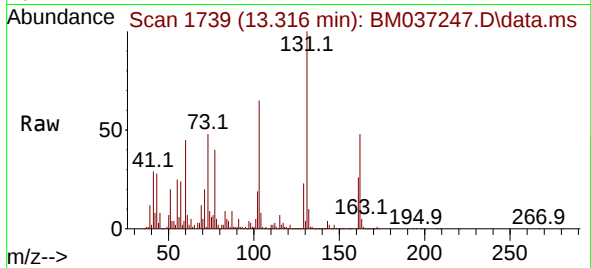




#47  
2-Chloronaphthalene  
Concen: 14.988 ng  
RT: 13.316 min Scan# 1  
Delta R.T. -0.088 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

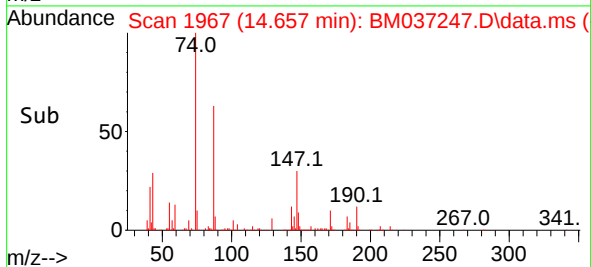
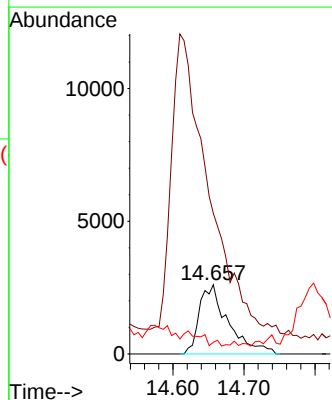
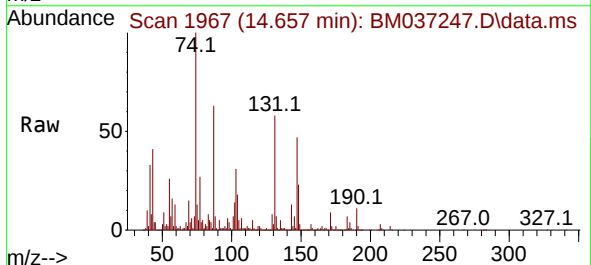
Instrument :  
BNA\_M  
ClientSampleId :  
EFF-WASTE-WATER

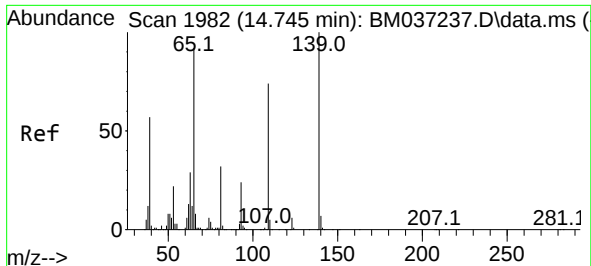
Tgt Ion:162 Resp: 315480  
Ion Ratio Lower Upper  
162 100  
127 0.4 29.4 44.0#  
164 1.2 26.5 39.7#



#54  
2,4-Dinitrophenol  
Concen: 7.412 ng  
RT: 14.657 min Scan# 1967  
Delta R.T. 0.012 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

Tgt Ion:184 Resp: 7353  
Ion Ratio Lower Upper  
184 100  
63 203.0 50.6 76.0#  
154 16.8 50.0 75.0#

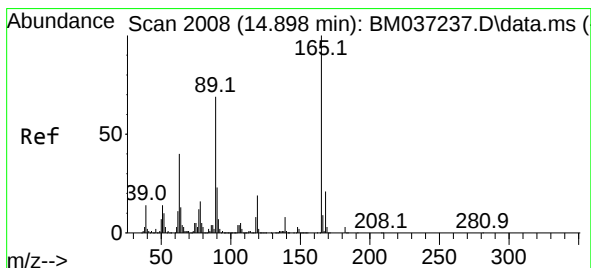
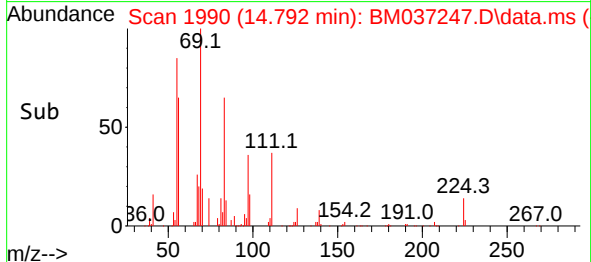
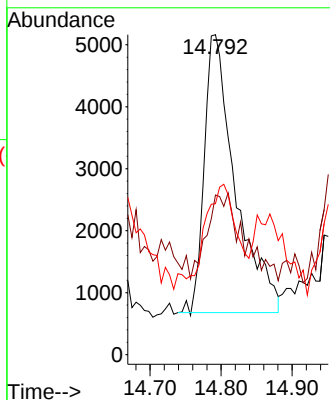
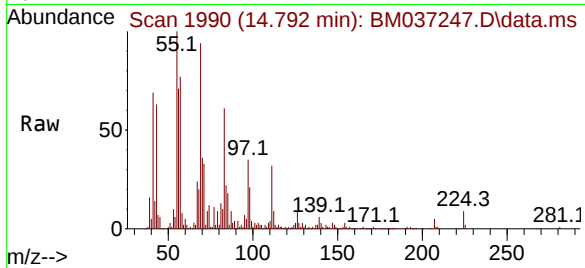




#56  
4-Nitrophenol  
Concen: 2.810 ng  
RT: 14.792 min Scan# 1982  
Delta R.T. 0.047 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

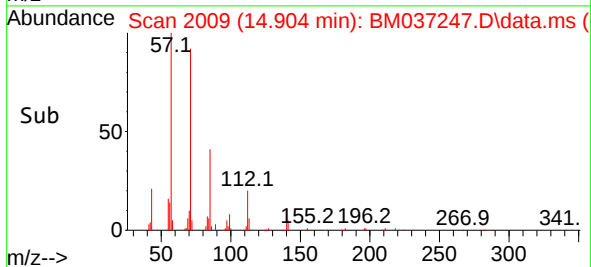
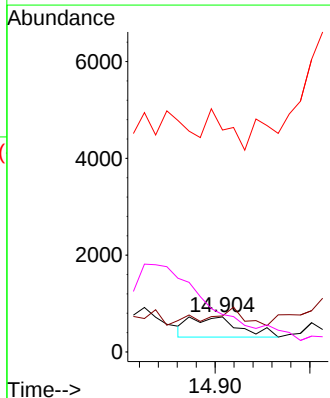
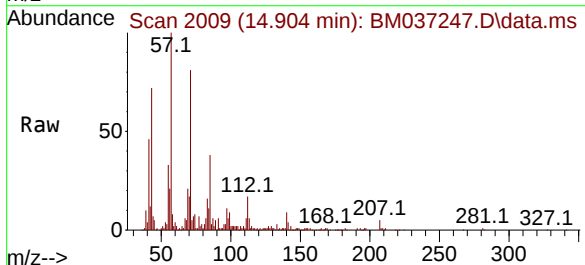
Instrument :  
BNA\_M  
ClientSampleId :  
EFF-WASTE-WATER

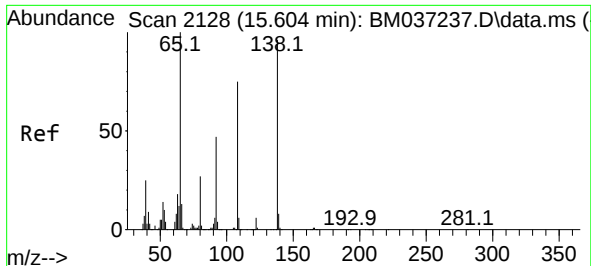
Tgt Ion:139 Resp: 13657  
Ion Ratio Lower Upper  
139 100  
109 49.9 54.1 94.1#  
65 47.2 71.7 111.7#



#57  
2,4-Dinitrotoluene  
Concen: 2.503 ng  
RT: 14.904 min Scan# 2009  
Delta R.T. 0.006 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

Tgt Ion:165 Resp: 752  
Ion Ratio Lower Upper  
165 100  
63 102.9 31.9 47.9#  
89 632.4 55.0 82.4#  
182 106.6 2.2 3.2#

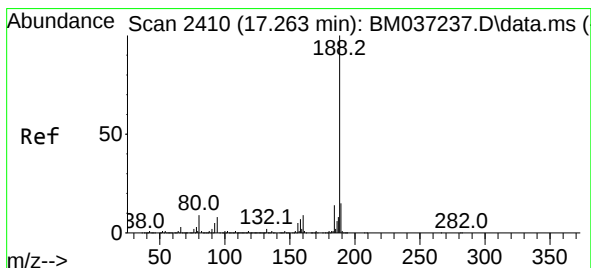
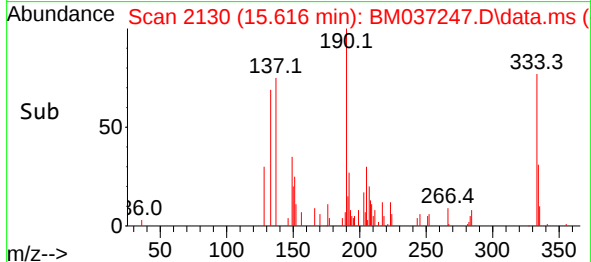
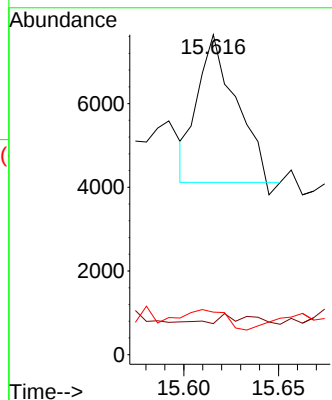
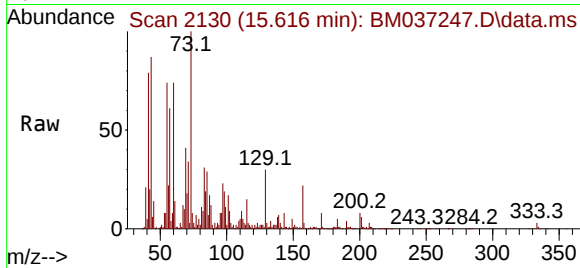




#62  
4-Nitroaniline  
Concen: 3.063 ng  
RT: 15.616 min Scan# 2110  
Delta R.T. 0.012 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

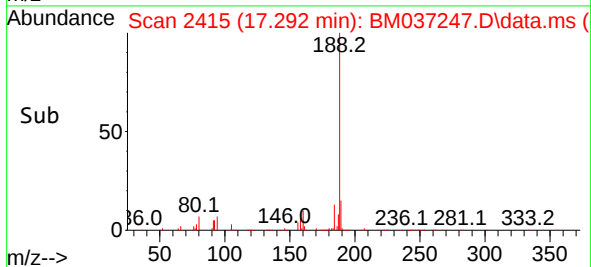
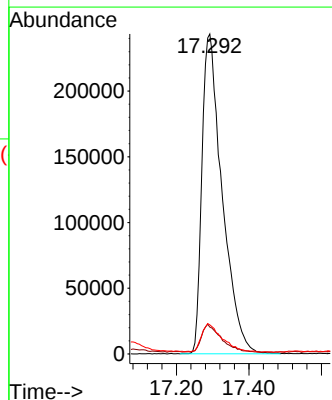
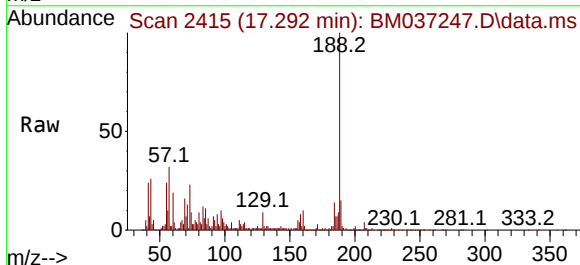
Instrument :  
BNA\_M  
ClientSampleId :  
EFF-WASTE-WATER

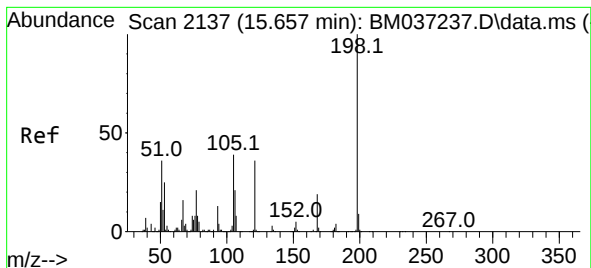
Tgt Ion:138 Resp: 4920  
Ion Ratio Lower Upper  
138 100  
92 9.7 28.7 68.7#  
108 13.3 57.7 97.7#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.292 min Scan# 2415  
Delta R.T. 0.029 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

Tgt Ion:188 Resp: 941944  
Ion Ratio Lower Upper  
188 100  
94 8.4 6.3 9.5  
80 9.1 7.1 10.7

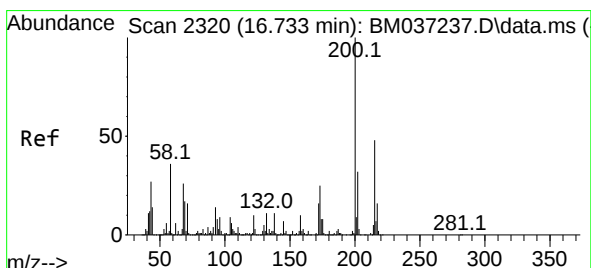
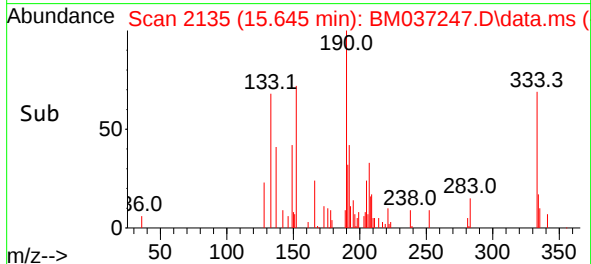
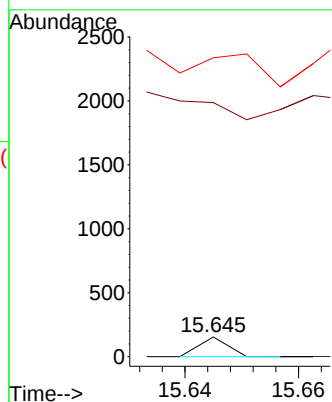
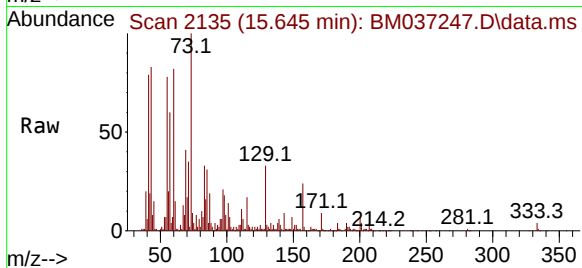




#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.678 ng  
RT: 15.645 min Scan# 2137  
Delta R.T. -0.012 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

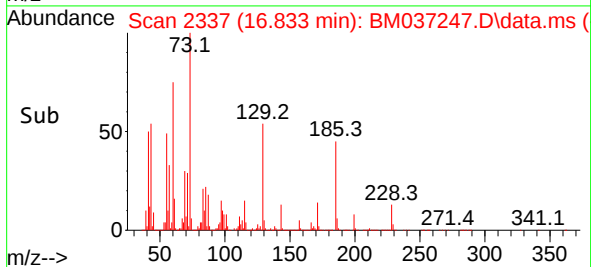
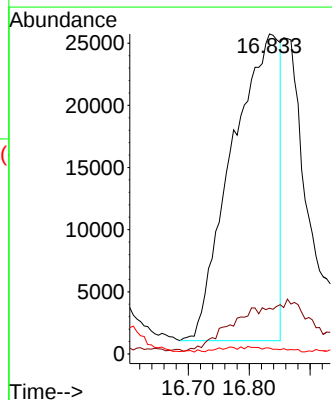
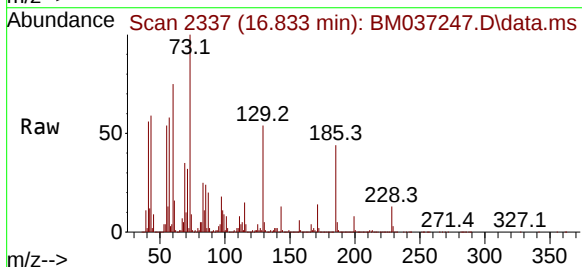
Instrument :  
BNA\_M  
ClientSampleId :  
EFF-WASTE-WATER

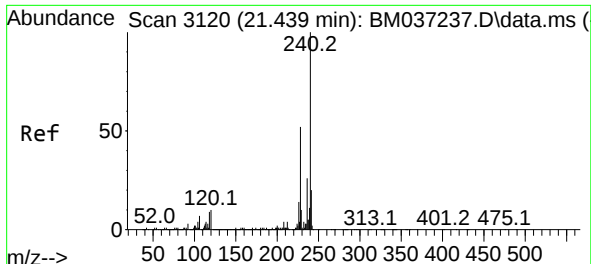
Tgt Ion:198 Resp: 54  
Ion Ratio Lower Upper  
198 100  
51 1290.9 17.7 57.7#  
105 1518.2 19.6 59.6#



#69  
Atrazine  
Concen: 16.252 ng  
RT: 16.833 min Scan# 2337  
Delta R.T. 0.100 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

Tgt Ion:200 Resp: 133407  
Ion Ratio Lower Upper  
200 100  
173 14.3 4.6 44.6  
215 1.9 28.2 68.2#

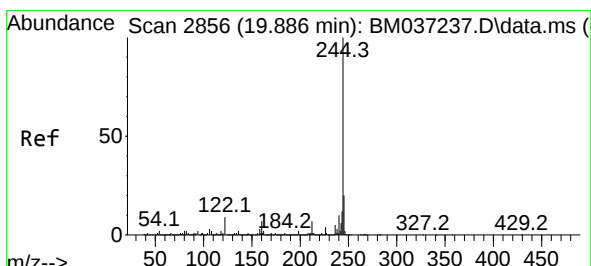
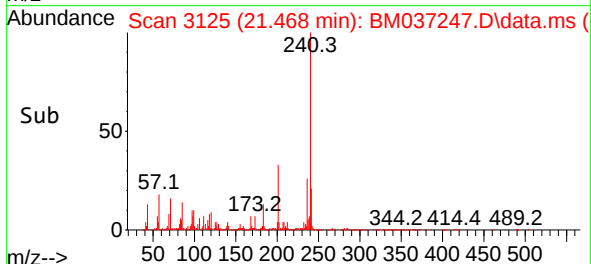
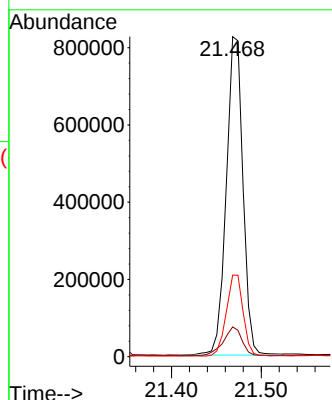
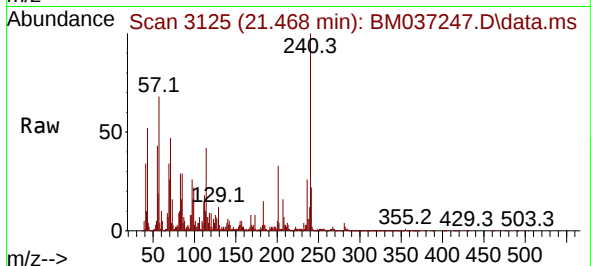




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.468 min Scan# 31  
Delta R.T. 0.029 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

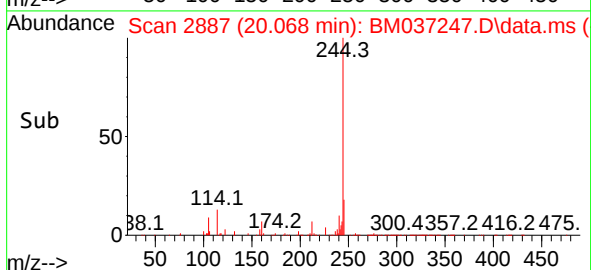
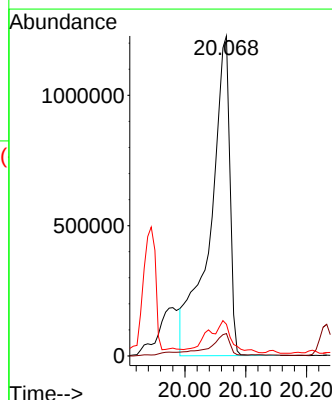
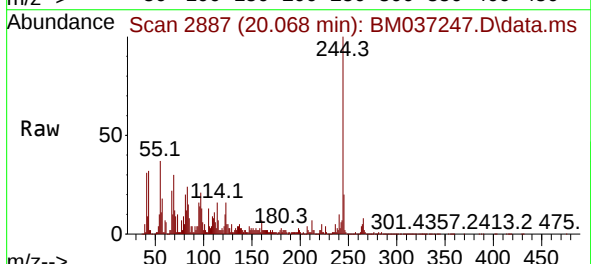
Instrument :  
BNA\_M  
ClientSampleId :  
EFF-WASTE-WATER

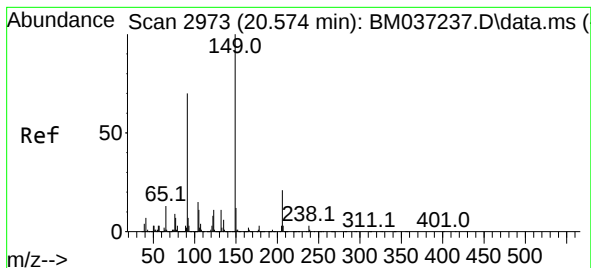
Tgt Ion:240 Resp: 1065054  
Ion Ratio Lower Upper  
240 100  
120 9.3 7.8 11.6  
236 25.5 21.0 31.4



#79  
Terphenyl-d14  
Concen: 52.303 ng  
RT: 20.068 min Scan# 2887  
Delta R.T. 0.182 min  
Lab File: BM037247.D  
Acq: 26 Oct 2022 21:01

Tgt Ion:244 Resp: 2723074  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.4 8.2  
122 9.9 7.3 10.9





#80

Butylbenzylphthalate

Concen: 3.989 ng

RT: 20.609 min Scan# 2979

Delta R.T. 0.035 min

Lab File: BM037247.D

Acq: 26 Oct 2022 21:01

Instrument :

BNA\_M

ClientSampleId :

EFF-WASTE-WATER

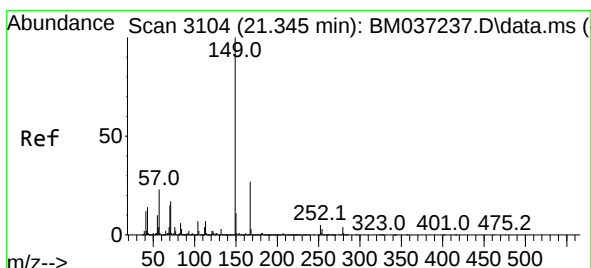
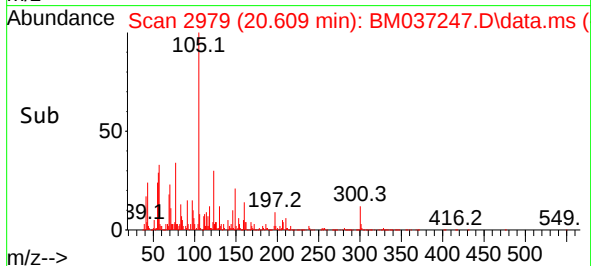
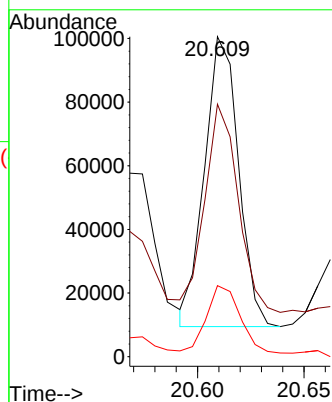
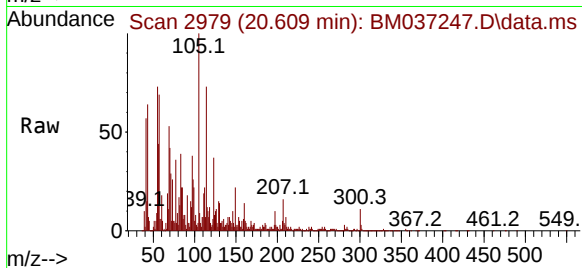
Tgt Ion:149 Resp: 101088

Ion Ratio Lower Upper

149 100

91 78.9 55.7 83.5

206 22.2 16.9 25.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.882 ng

RT: 21.356 min Scan# 3106

Delta R.T. 0.012 min

Lab File: BM037247.D

Acq: 26 Oct 2022 21:01

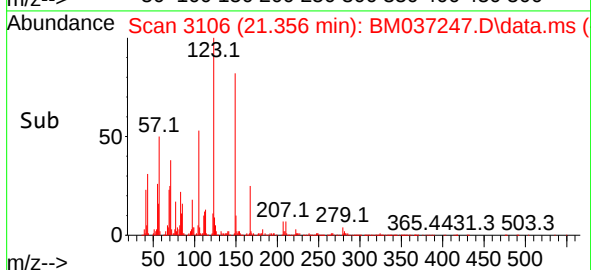
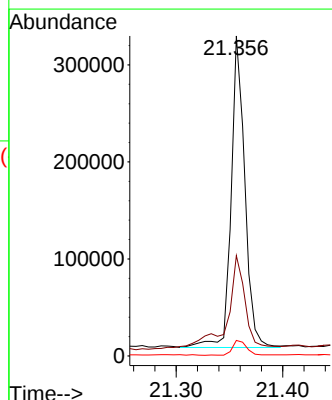
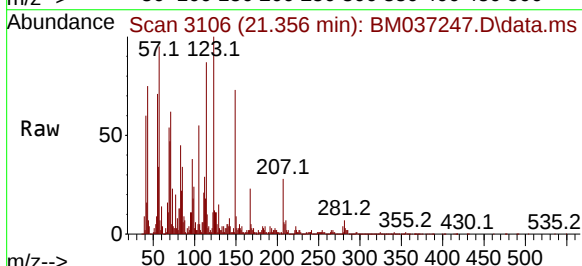
Tgt Ion:149 Resp: 287589

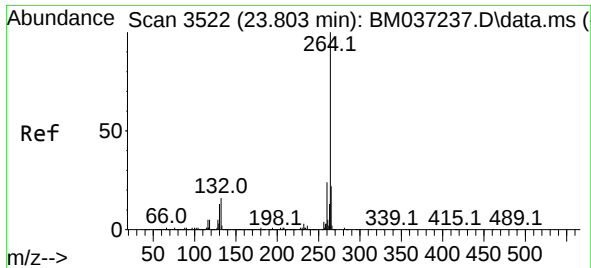
Ion Ratio Lower Upper

149 100

167 31.3 21.7 32.5

279 4.9 3.4 5.0





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.827 min Scan# 31  
 Delta R.T. 0.024 min  
 Lab File: BM037247.D  
 Acq: 26 Oct 2022 21:01

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EFF-WASTE-WATER

Tgt Ion:264 Resp: 1069153  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.0 28.4  
 265 23.4 17.9 26.9

