

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102822\
 Data File : BF130827.D
 Acq On : 28 Oct 2022 14:58
 Operator : CG\JU
 Sample : N5156-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE-WATERRE

Quant Time: Oct 28 16:52:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 28 04:00:21 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

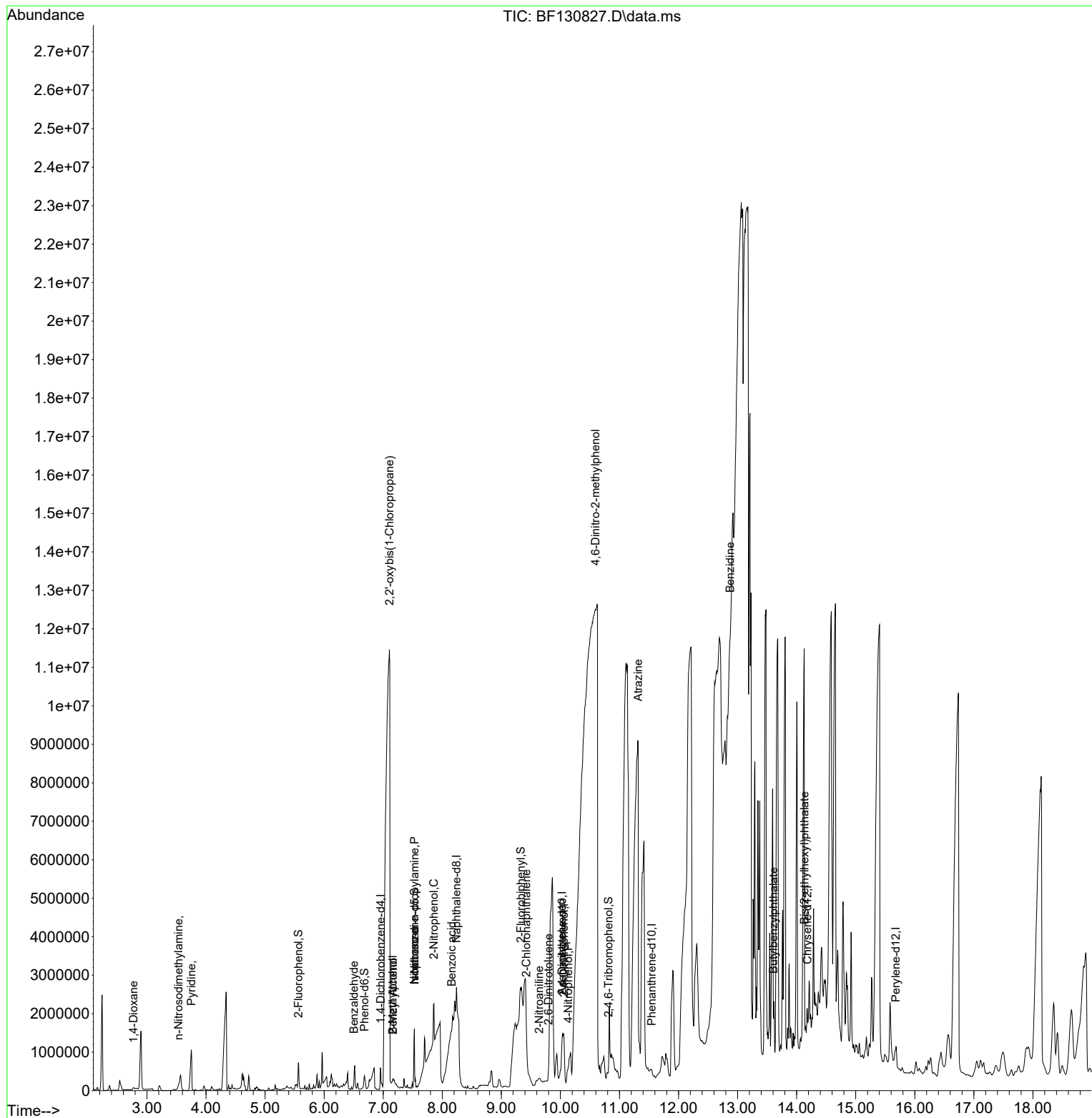
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	71885	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	209265	20.000	ng	0.00
39) Acenaphthene-d10	10.028	164	116479	20.000	ng	0.02
64) Phenanthrene-d10	11.545	188	216764	20.000	ng	0.05
76) Chrysene-d12	14.180	240	179490	20.000	ng	0.04
86) Perylene-d12	15.680	264	132953	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	193043	46.555	ng	0.00
7) Phenol-d6	6.681	99	172917	32.090	ng	0.11
23) Nitrobenzene-d5	7.528	82	437944	126.192	ng	0.00
42) 2,4,6-Tribromophenol	10.816	330	83270	84.924	ng	0.02
45) 2-Fluorobiphenyl	9.328	172	645153	83.740	ng	0.00
79) Terphenyl-d14	13.186	244	15220	1.554	ng	0.10
Target Compounds						Qvalue
2) 1,4-Dioxane	2.769	88	4287	2.306	ng	# 1
3) Pyridine	3.752	79	257534	49.458	ng	# 1
4) n-Nitrosodimethylamine	3.534	42	18536	6.341	ng	# 2
9) Benzaldehyde	6.504	77	11812	3.425	ng	98
15) Benzyl Alcohol	7.163	79	15880	3.466	ng	95
16) 2,2'-oxybis(1-Chloropr...	7.104	45	259939	32.261	ng	76
17) 2-Methylphenol	7.163	107	9412	2.384	ng	# 11
19) n-Nitroso-di-n-propyla...	7.528	70	66854	18.235	ng	# 78
25) Isophorone	7.528	82	436194	60.950	ng	# 66
26) 2-Nitrophenol	7.857	139	276	4.250	ng	# 1
32) Benzoic acid	8.157	122	46634	26.186	ng	93
47) 2-Chloronaphthalene	9.422	162	110493	16.605	ng	# 38
48) 2-Nitroaniline	9.639	65	3283	5.549	ng	# 50
51) 2,6-Dinitrotoluene	9.798	165	1918	3.976	ng	# 59
54) 2,4-Dinitrophenol	10.063	184	2741	9.822	ng	# 1
56) 4-Nitrophenol	10.134	139	5371	4.353	ng	# 48
57) 2,4-Dinitrotoluene	10.028	165	29670	18.035	ng	# 46
65) 4,6-Dinitro-2-methylph...	10.592	198	108	8.028	ng	# 1
69) Atrazine	11.316	200	36462	18.674	ng	# 49
77) Benzidine	12.874	184	12687	2.912	ng	# 1
80) Butylbenzylphthalate	13.610	149	36250	6.654	ng	94
84) Bis(2-ethylhexyl)phtha...	14.133	149	59189	9.036	ng	98

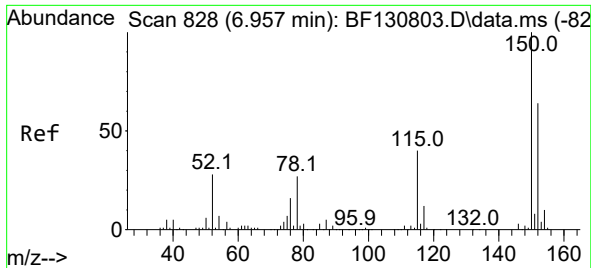
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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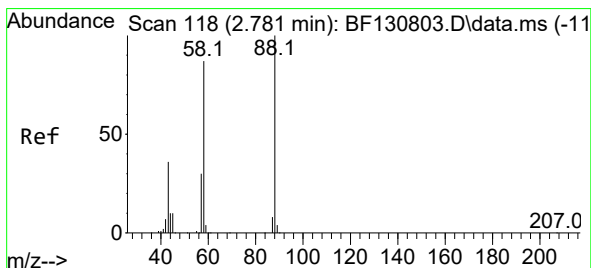
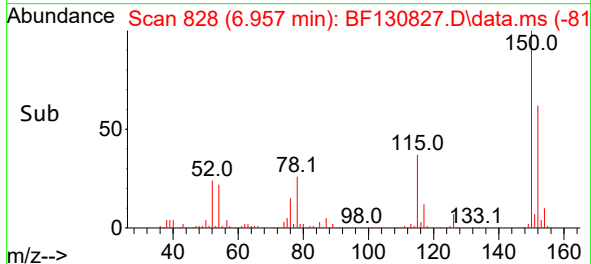
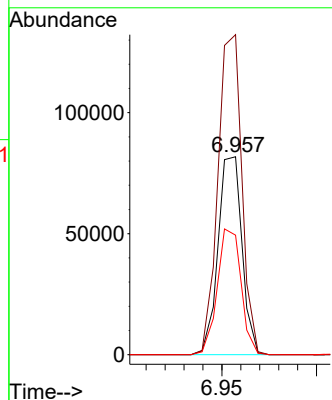
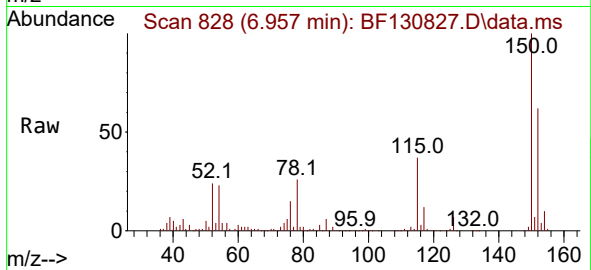




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.957 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF130827.D
 Acq: 28 Oct 2022 14:58

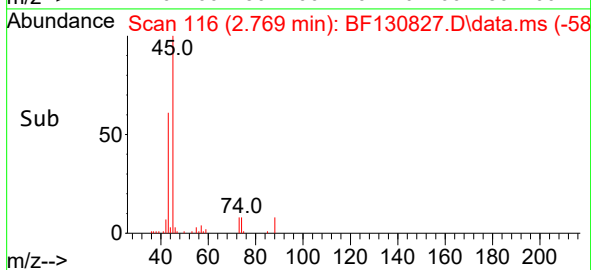
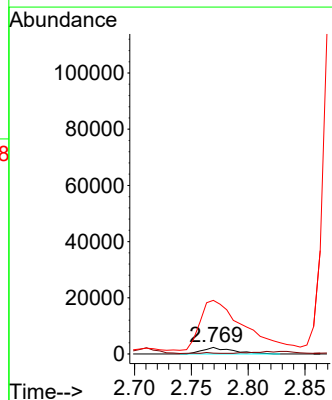
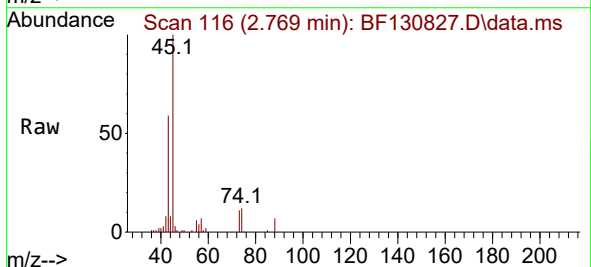
Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE-WATERRE

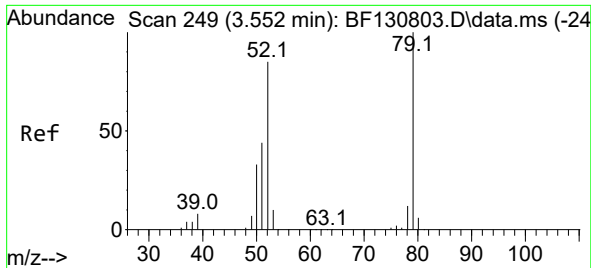
Tgt Ion:152 Resp: 71885
 Ion Ratio Lower Upper
 152 100
 150 161.7 124.1 186.1
 115 60.4 50.1 75.1



#2
 1,4-Dioxane
 Concen: 2.306 ng
 RT: 2.769 min Scan# 116
 Delta R.T. -0.012 min
 Lab File: BF130827.D
 Acq: 28 Oct 2022 14:58

Tgt Ion: 88 Resp: 4287
 Ion Ratio Lower Upper
 88 100
 58 0.0 64.7 97.1#
 43 1120.6 26.5 39.7#





#3

Pyridine

Concen: 49.458 ng

RT: 3.752 min Scan# 249

Delta R.T. 0.200 min

Lab File: BF130827.D

Acq: 28 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATERRE

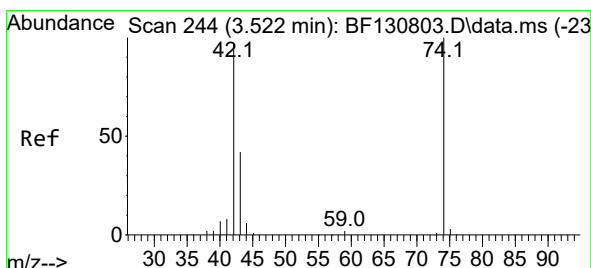
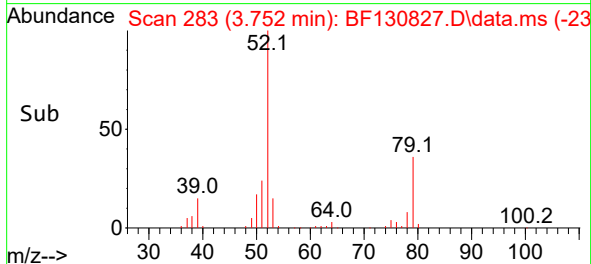
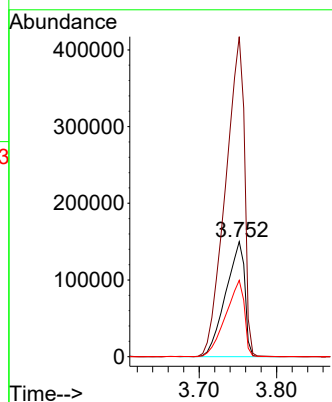
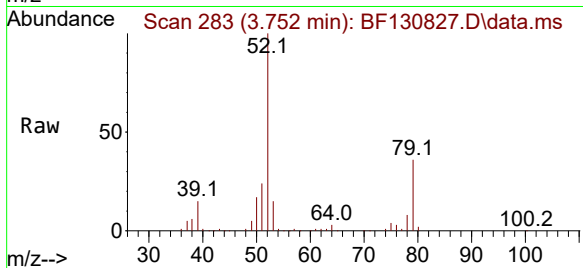
Tgt Ion: 79 Resp: 257534

Ion Ratio Lower Upper

79 100

52 278.2 68.2 102.4#

51 66.4 35.2 52.8#



#4

n-Nitrosodimethylamine

Concen: 6.341 ng

RT: 3.534 min Scan# 246

Delta R.T. 0.012 min

Lab File: BF130827.D

Acq: 28 Oct 2022 14:58

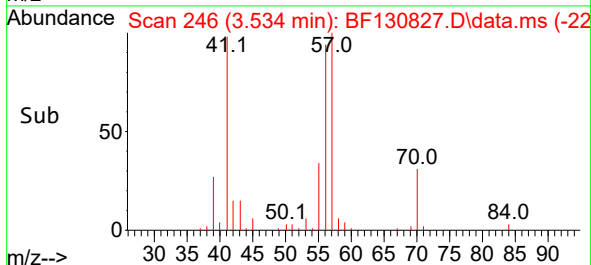
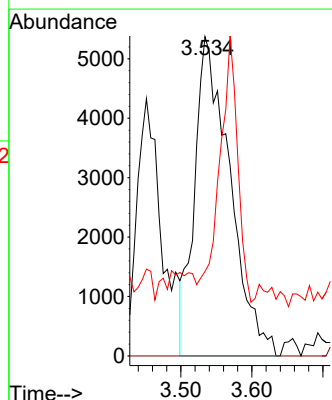
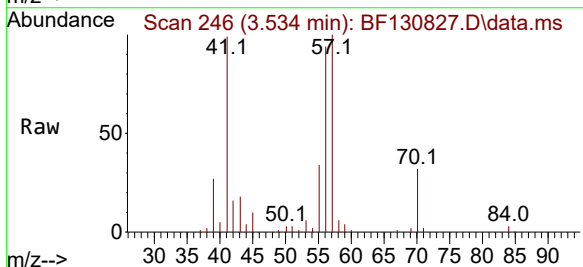
Tgt Ion: 42 Resp: 18536

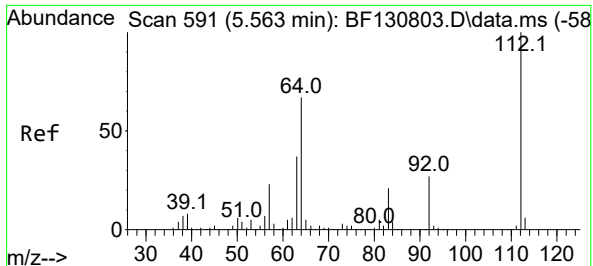
Ion Ratio Lower Upper

42 100

74 0.0 82.8 124.2#

44 26.5 6.0 9.0#

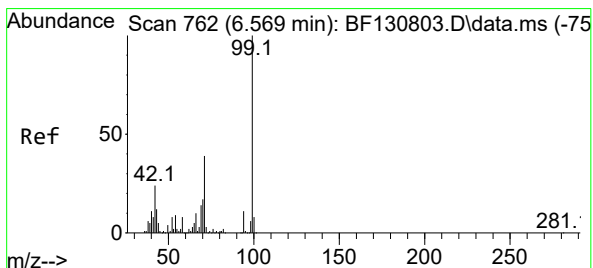
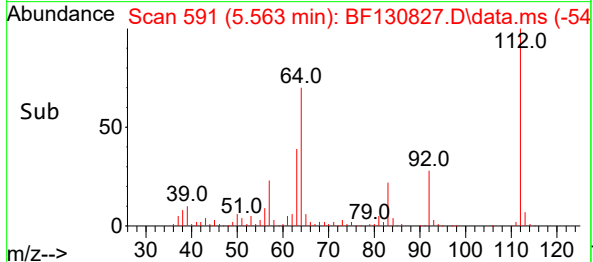
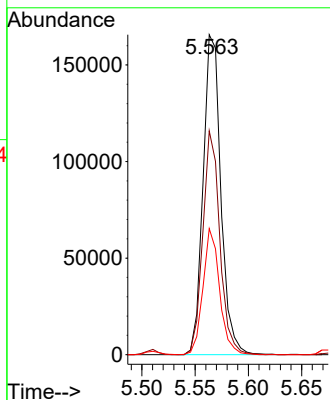
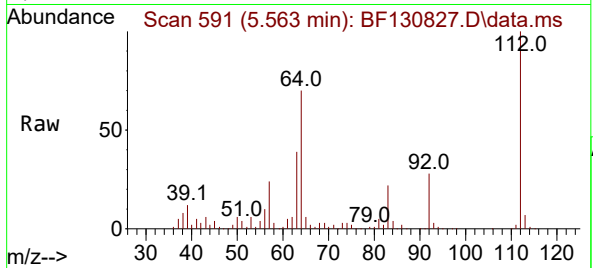




#5
2-Fluorophenol
Concen: 46.555 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.000 min
Lab File: BF130827.D
Acq: 28 Oct 2022 14:58

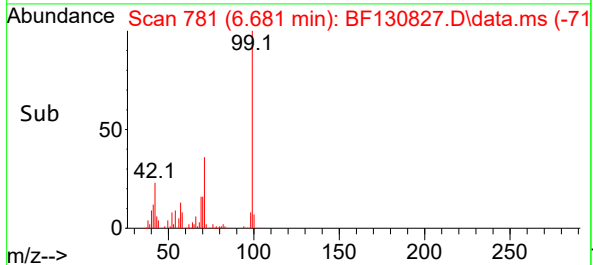
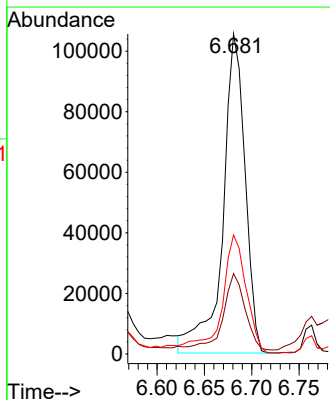
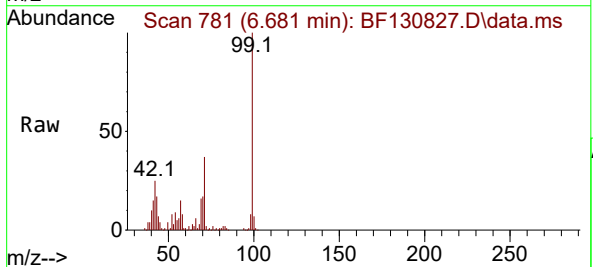
Instrument :
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EFF-WASTE-WATERRE

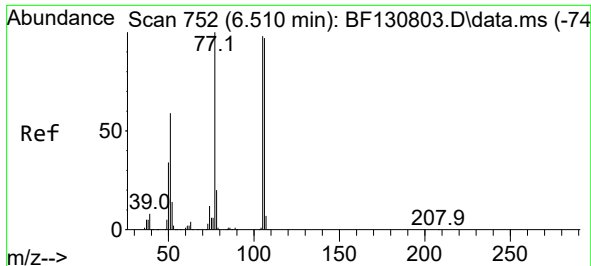
Tgt Ion:112 Resp: 193043
Ion Ratio Lower Upper
112 100
64 70.0 53.9 80.9
63 39.4 29.4 44.2



#7
Phenol-d6
Concen: 32.090 ng
RT: 6.681 min Scan# 781
Delta R.T. 0.112 min
Lab File: BF130827.D
Acq: 28 Oct 2022 14:58

Tgt Ion: 99 Resp: 172917
Ion Ratio Lower Upper
99 100
42 25.1 18.8 28.2
71 37.2 31.4 47.0

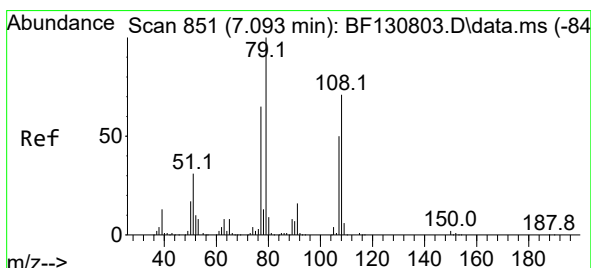
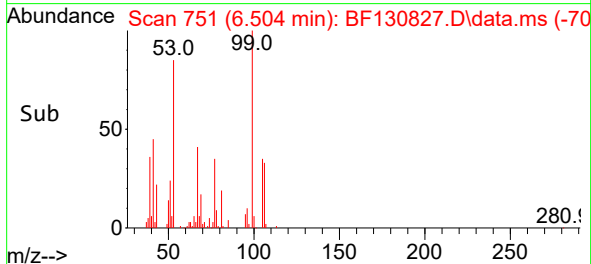
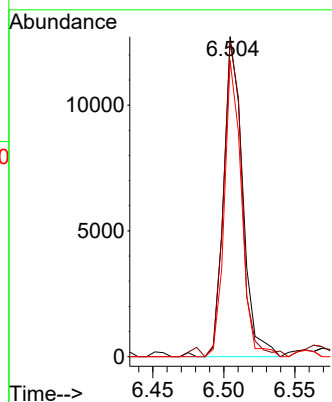
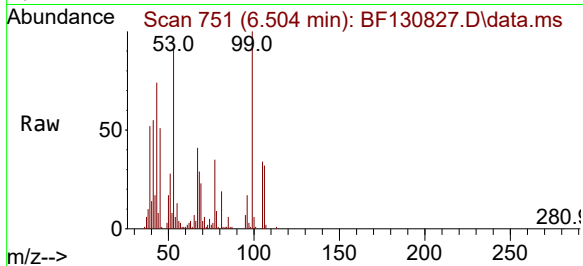




#9
Benzaldehyde
Concen: 3.425 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130827.D
Acq: 28 Oct 2022 14:58

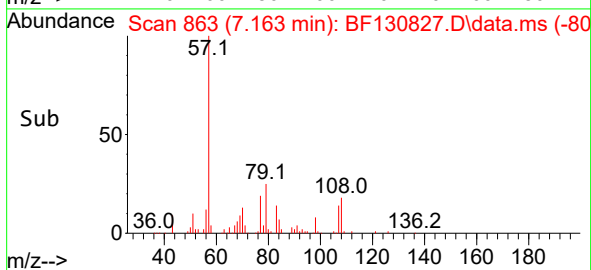
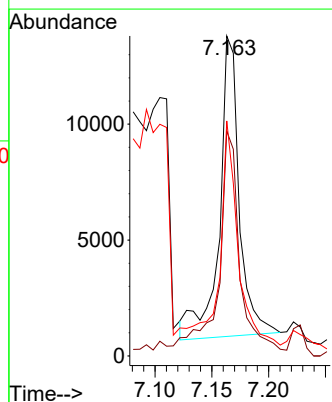
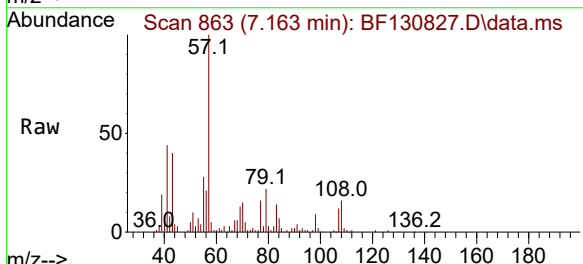
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATERRE

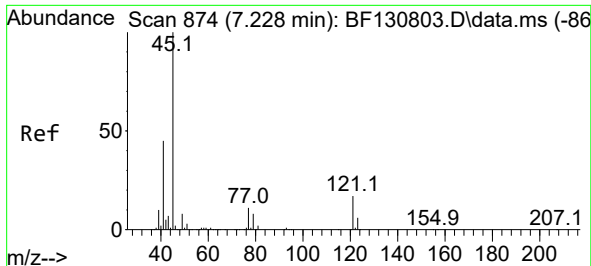
Tgt Ion: 77 Resp: 11812
Ion Ratio Lower Upper
77 100
105 98.3 78.2 118.2
106 92.5 76.6 116.6



#15
Benzyl Alcohol
Concen: 3.466 ng
RT: 7.163 min Scan# 863
Delta R.T. 0.071 min
Lab File: BF130827.D
Acq: 28 Oct 2022 14:58

Tgt Ion: 79 Resp: 15880
Ion Ratio Lower Upper
79 100
108 70.3 56.4 84.6
77 73.4 51.8 77.8

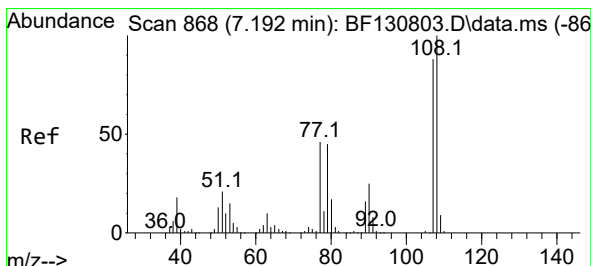
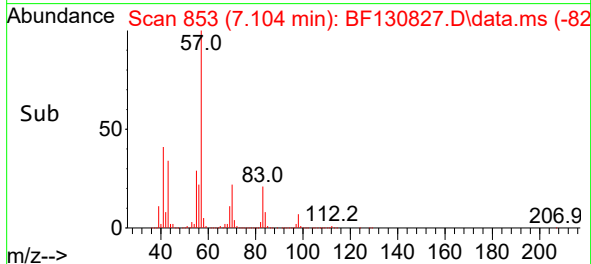
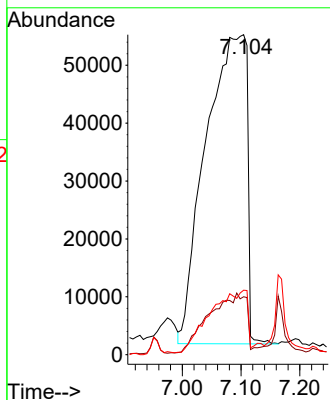
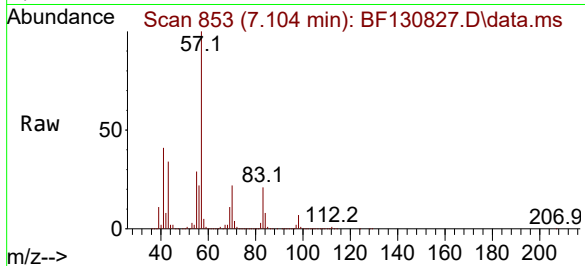




#16
2,2'-oxybis(1-Chloropropane)
Concen: 32.261 ng
RT: 7.104 min Scan# 811
Delta R.T. -0.123 min
Lab File: BF130827.D
Acq: 28 Oct 2022 14:58

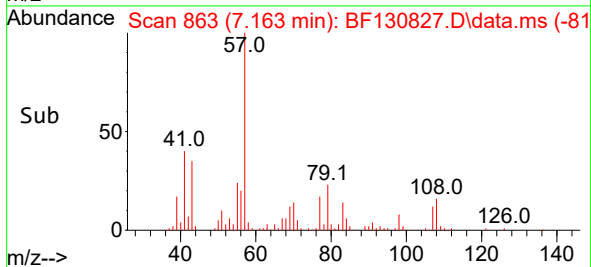
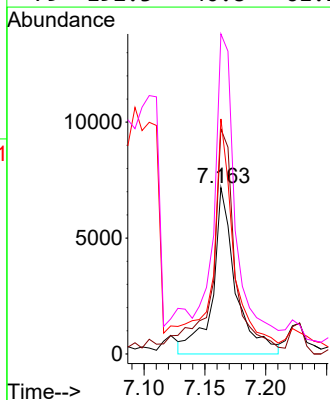
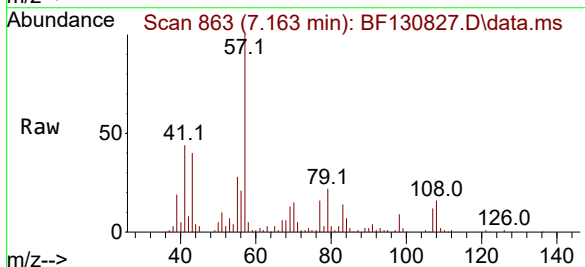
Instrument :
BNA_F
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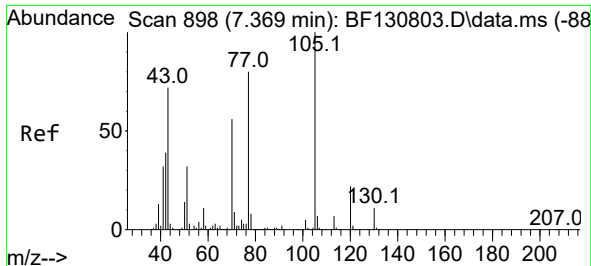
Tgt Ion: 45 Resp: 259939
Ion Ratio Lower Upper
45 100
77 18.1 0.0 31.2
79 20.2 0.0 28.4



#17
2-Methylphenol
Concen: 2.384 ng
RT: 7.163 min Scan# 863
Delta R.T. -0.029 min
Lab File: BF130827.D
Acq: 28 Oct 2022 14:58

Tgt Ion:107 Resp: 9412
Ion Ratio Lower Upper
107 100
108 135.2 90.5 135.7
77 141.3 41.2 61.8#
79 192.3 40.8 61.2#





#19

n-Nitroso-di-n-propylamine

Concen: 18.235 ng

RT: 7.528 min Scan# 91

Delta R.T. 0.159 min

Lab File: BF130827.D

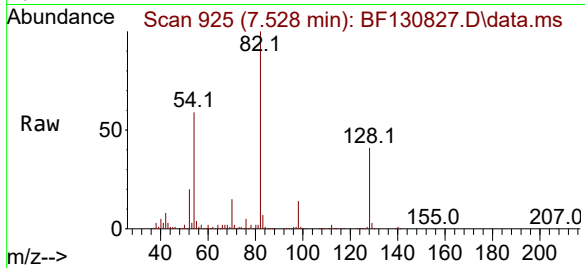
Acq: 28 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATERRE



Tgt Ion: 70 Resp: 66854

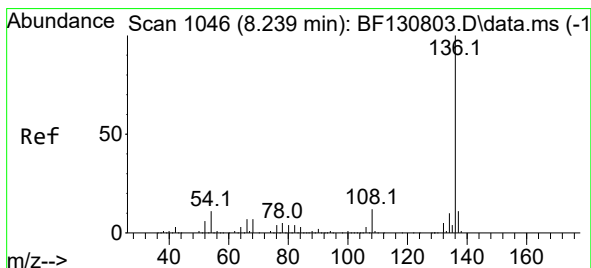
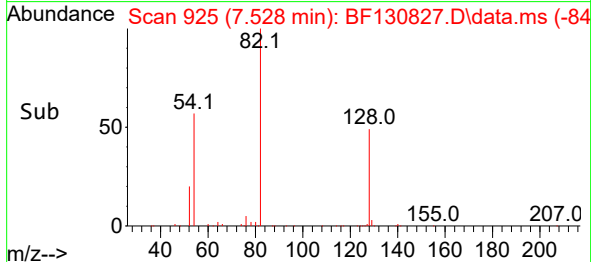
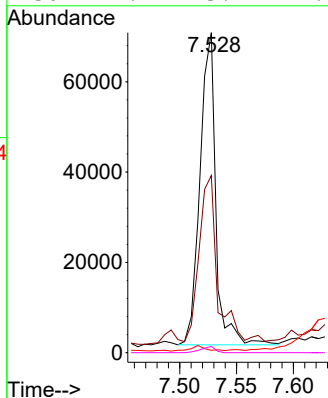
Ion Ratio Lower Upper

70 100

42 55.3 56.1 84.1#

101 0.7 7.3 10.9#

130 1.9 15.2 22.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.239 min Scan# 1046

Delta R.T. 0.000 min

Lab File: BF130827.D

Acq: 28 Oct 2022 14:58

Tgt Ion: 136 Resp: 209265

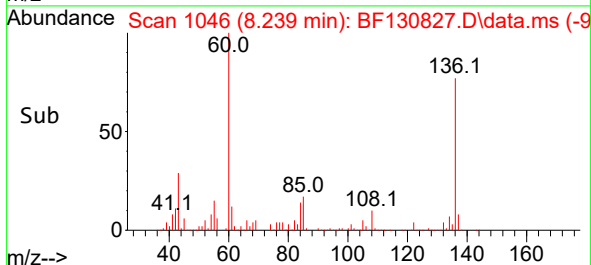
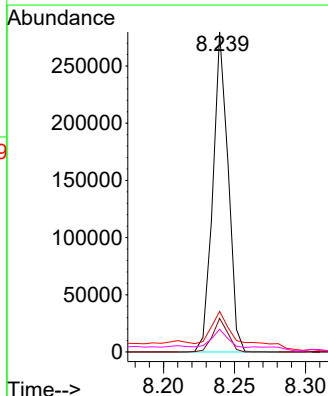
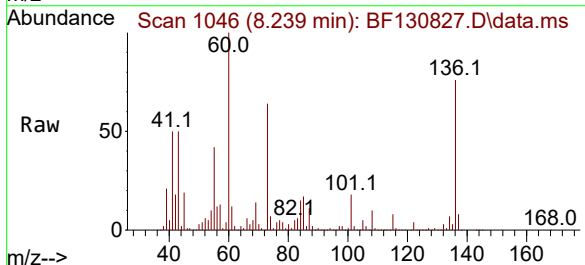
Ion Ratio Lower Upper

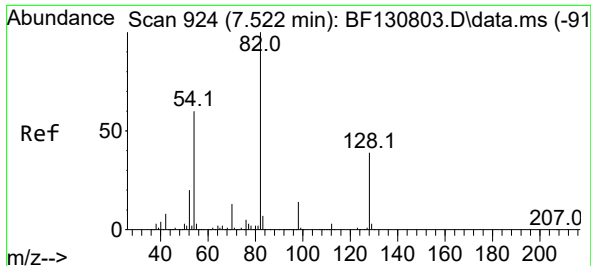
136 100

137 10.5 9.2 13.8

54 12.7 8.8 13.2

68 7.1 5.2 7.8





#23

Nitrobenzene-d5

Concen: 126.192 ng

RT: 7.528 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF130827.D

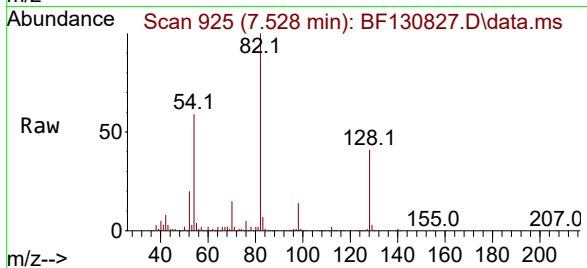
Acq: 28 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATERRE



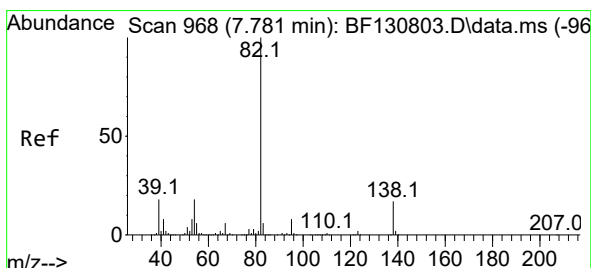
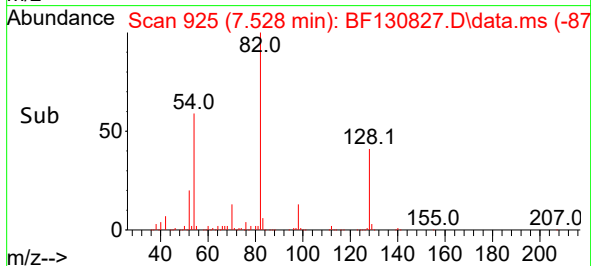
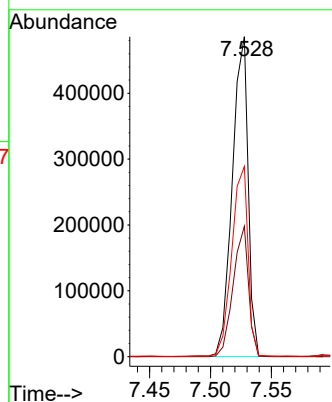
Tgt Ion: 82 Resp: 437944

Ion Ratio Lower Upper

82 100

128 40.7 31.2 46.8

54 59.4 48.0 72.0



#25

Isophorone

Concen: 60.950 ng

RT: 7.528 min Scan# 925

Delta R.T. -0.253 min

Lab File: BF130827.D

Acq: 28 Oct 2022 14:58

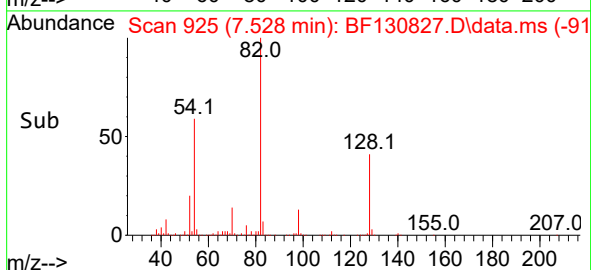
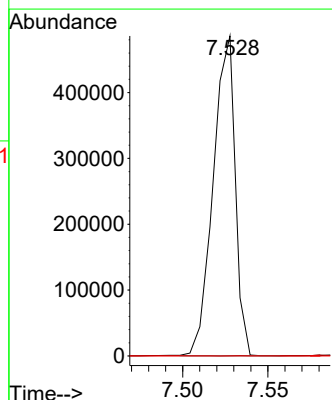
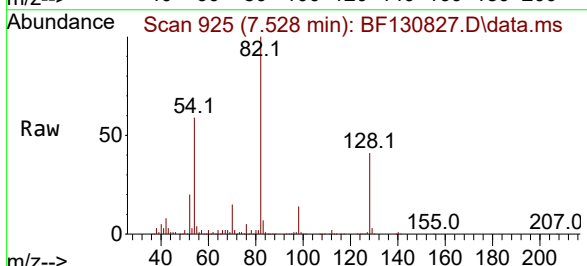
Tgt Ion: 82 Resp: 436194

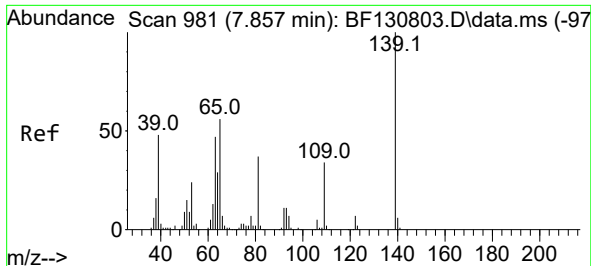
Ion Ratio Lower Upper

82 100

95 0.1 6.2 9.4#

138 0.0 13.8 20.6#

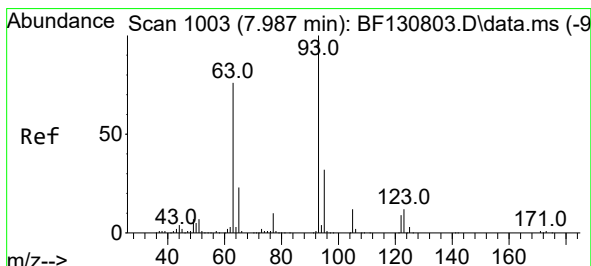
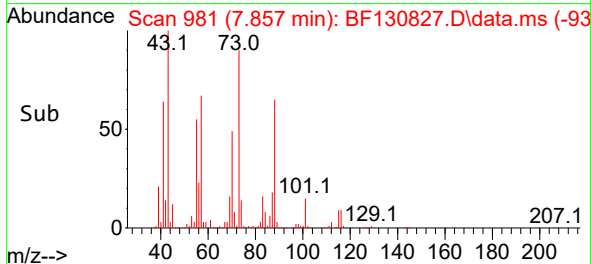
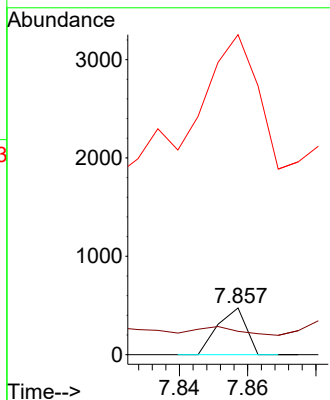
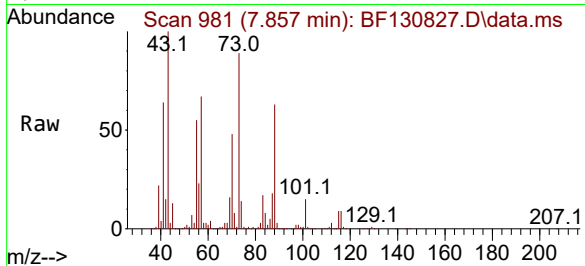




#26
2-Nitrophenol
Concen: 4.250 ng
RT: 7.857 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF130827.D
Acq: 28 Oct 2022 14:58

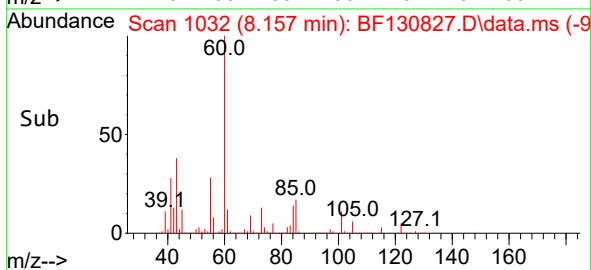
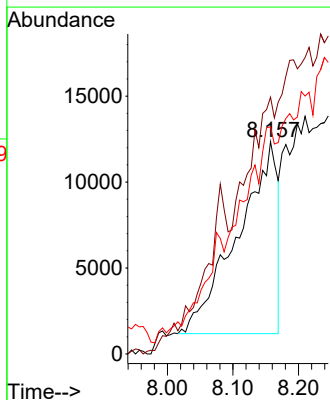
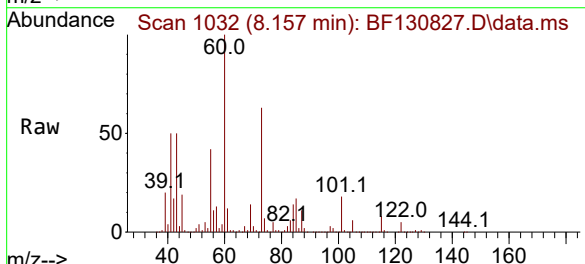
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATERRE

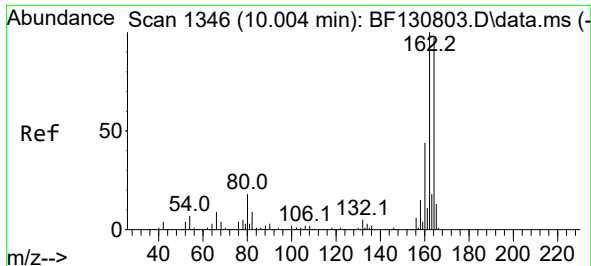
Tgt Ion:139 Resp: 276
Ion Ratio Lower Upper
139 100
109 49.9 27.3 40.9#
65 684.8 44.6 67.0#



#32
Benzoic acid
Concen: 26.186 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.170 min
Lab File: BF130827.D
Acq: 28 Oct 2022 14:58

Tgt Ion:122 Resp: 46634
Ion Ratio Lower Upper
122 100
105 121.0 114.5 154.5
77 107.0 89.8 129.8

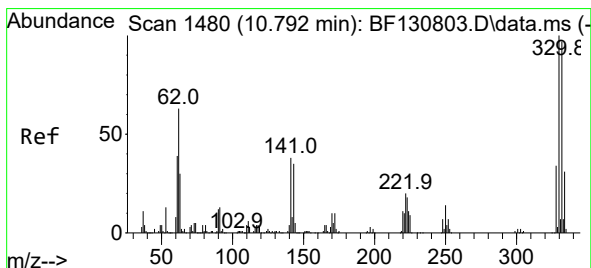
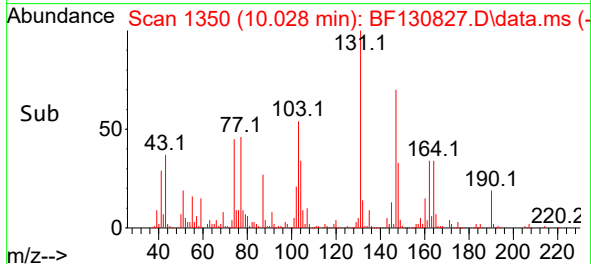
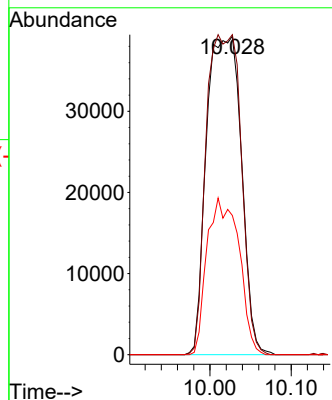
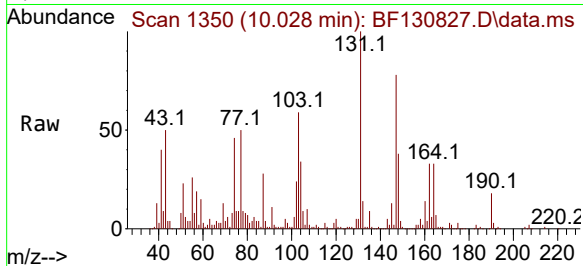




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.028 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF130827.D
Acq: 28 Oct 2022 14:58

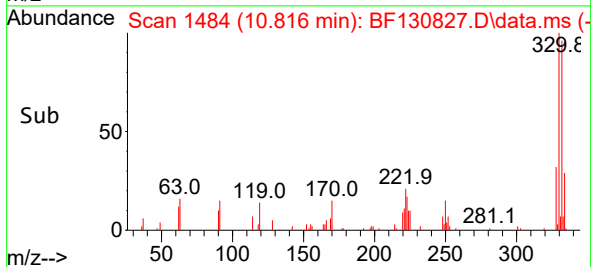
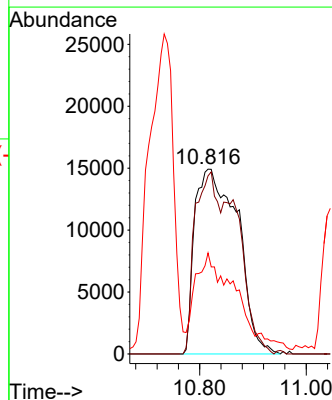
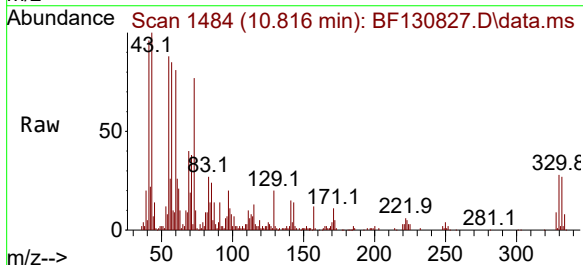
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATERRE

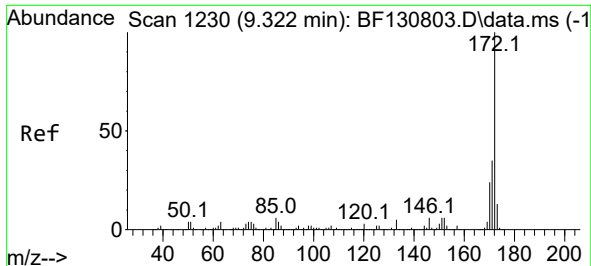
Tgt Ion:164 Resp: 116479
Ion Ratio Lower Upper
164 100
162 100.4 82.2 123.2
160 43.7 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 84.924 ng
RT: 10.816 min Scan# 1484
Delta R.T. 0.024 min
Lab File: BF130827.D
Acq: 28 Oct 2022 14:58

Tgt Ion:330 Resp: 83270
Ion Ratio Lower Upper
330 100
332 55.0 76.2 114.4#
141 48.6 31.4 47.0#

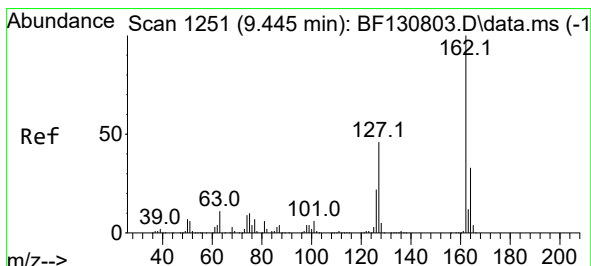
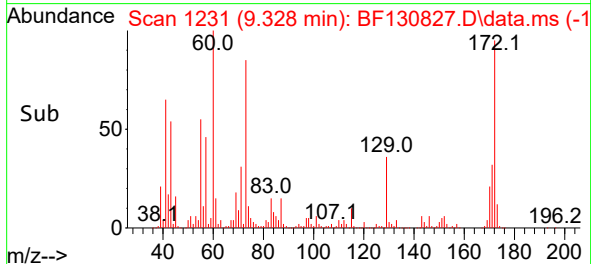
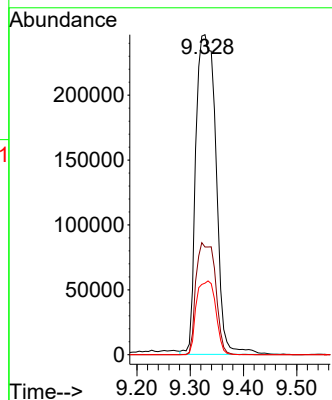
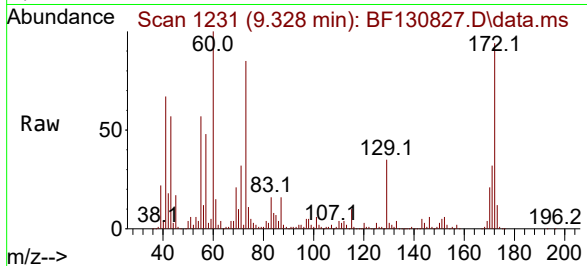




#45
2-Fluorobiphenyl
Concen: 83.740 ng
RT: 9.328 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130827.D
Acq: 28 Oct 2022 14:58

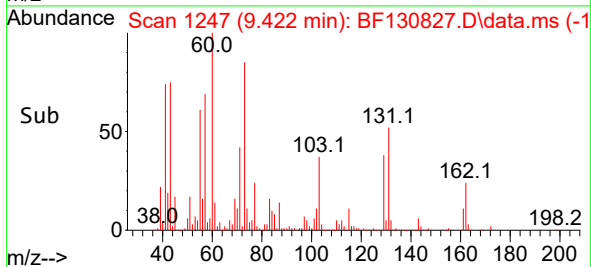
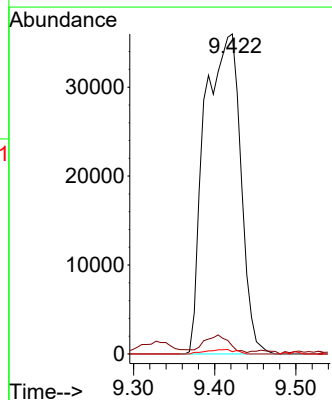
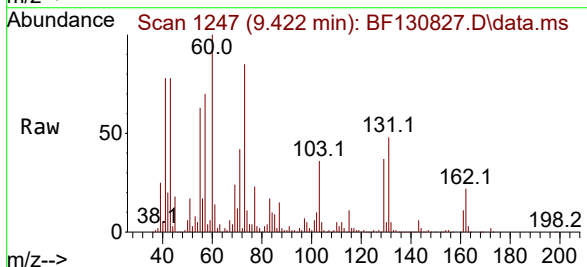
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATERRE

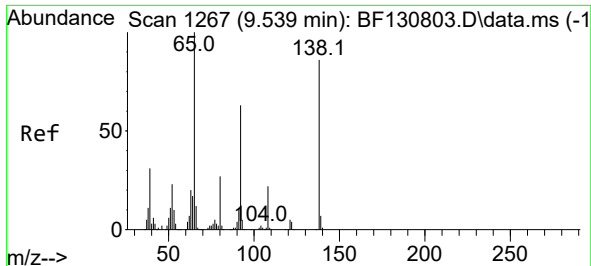
Tgt Ion:172 Resp: 645153
Ion Ratio Lower Upper
172 100
171 33.6 28.1 42.1
170 22.4 19.0 28.4



#47
2-Chloronaphthalene
Concen: 16.605 ng
RT: 9.422 min Scan# 1247
Delta R.T. -0.023 min
Lab File: BF130827.D
Acq: 28 Oct 2022 14:58

Tgt Ion:162 Resp: 110493
Ion Ratio Lower Upper
162 100
127 2.5 36.6 54.8#
164 0.7 26.5 39.7#





#48

2-Nitroaniline

Concen: 5.549 ng

RT: 9.639 min Scan# 11

Delta R.T. 0.100 min

Lab File: BF130827.D

Acq: 28 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATERRE

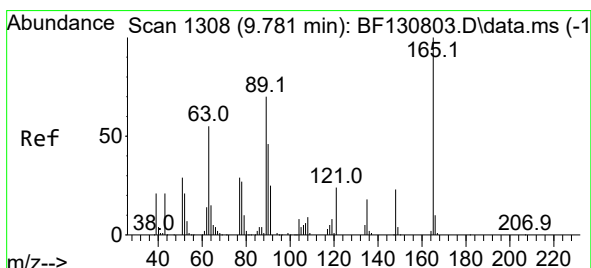
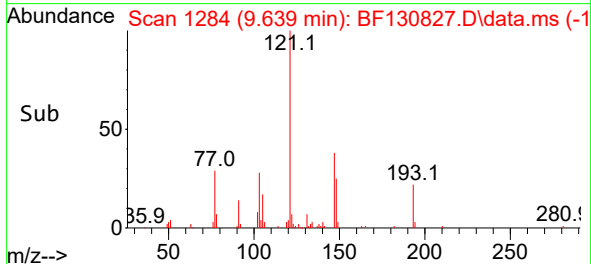
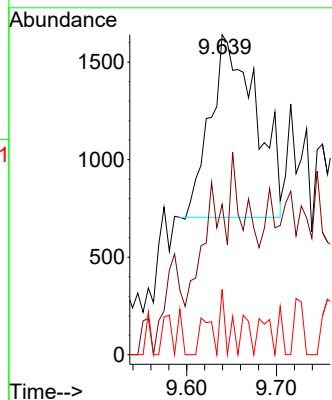
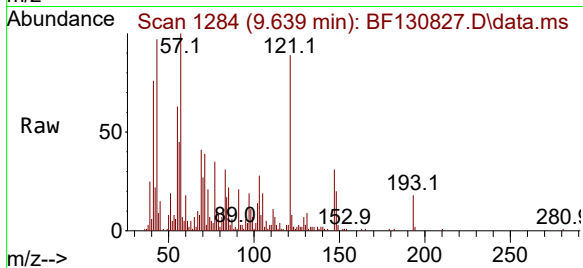
Tgt Ion: 65 Resp: 3283

Ion Ratio Lower Upper

65 100

92 47.0 50.1 75.1#

138 20.4 69.2 103.8#



#51

2,6-Dinitrotoluene

Concen: 3.976 ng

RT: 9.798 min Scan# 1311

Delta R.T. 0.017 min

Lab File: BF130827.D

Acq: 28 Oct 2022 14:58

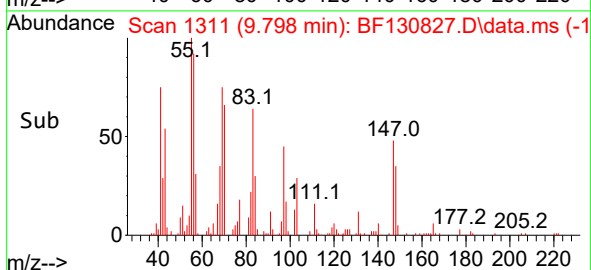
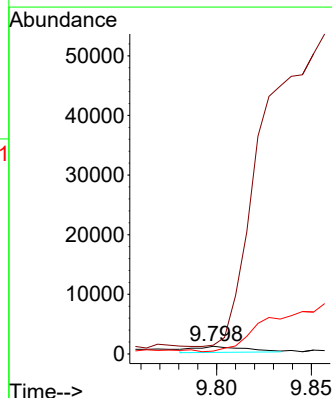
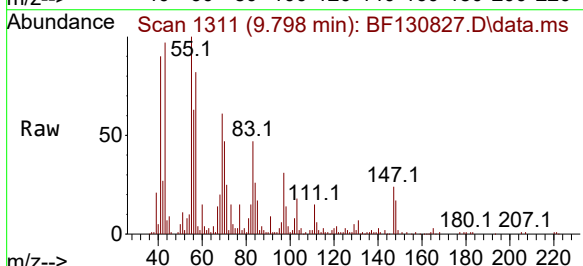
Tgt Ion: 165 Resp: 1918

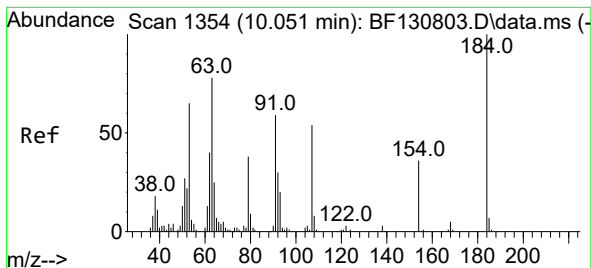
Ion Ratio Lower Upper

165 100

63 114.9 61.8 92.8#

89 38.3 56.2 84.4#





#54

2,4-Dinitrophenol

Concen: 9.822 ng

RT: 10.063 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF130827.D

Acq: 28 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATERRE

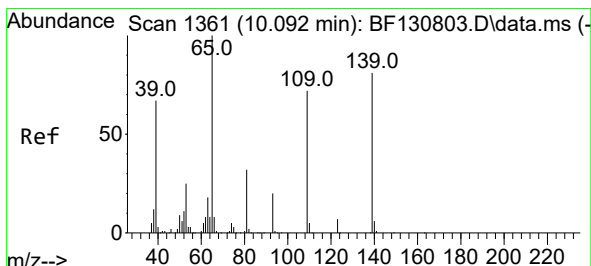
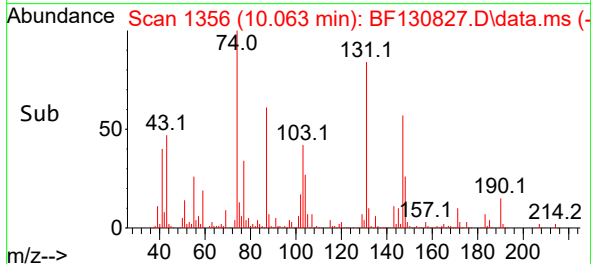
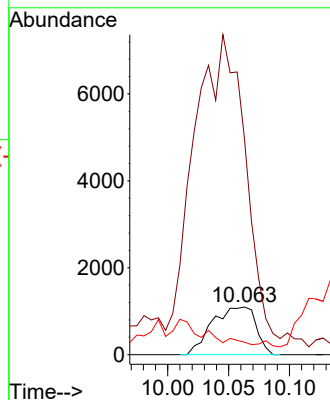
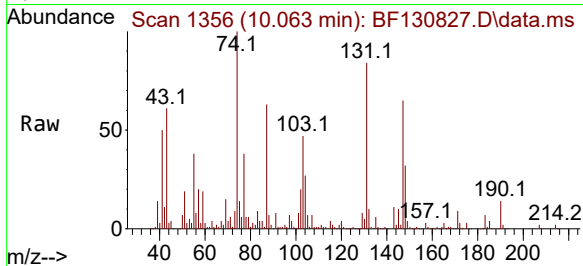
Tgt Ion:184 Resp: 2741

Ion Ratio Lower Upper

184 100

63 454.5 66.7 100.1#

154 26.1 62.2 93.2#



#56

4-Nitrophenol

Concen: 4.353 ng

RT: 10.134 min Scan# 1368

Delta R.T. 0.041 min

Lab File: BF130827.D

Acq: 28 Oct 2022 14:58

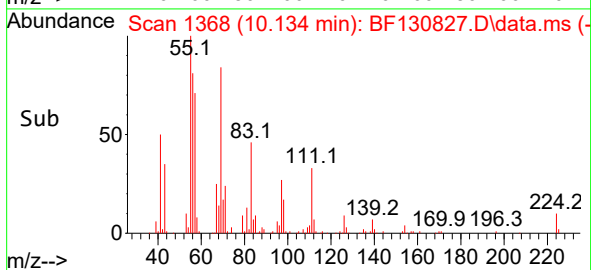
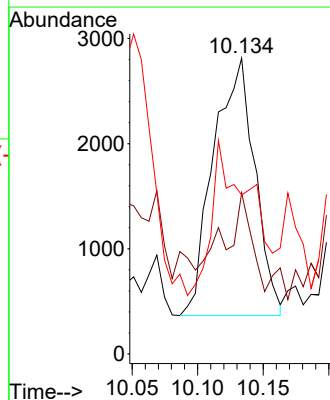
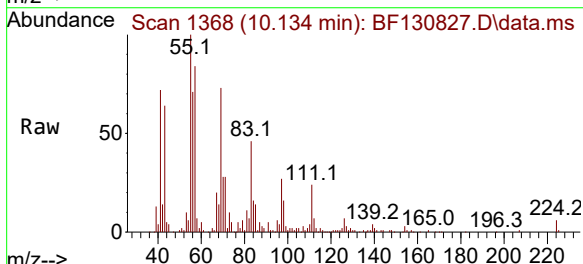
Tgt Ion:139 Resp: 5371

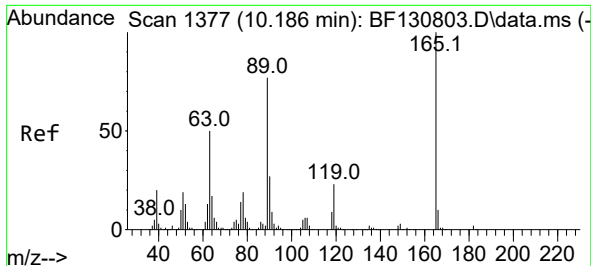
Ion Ratio Lower Upper

139 100

109 54.5 69.3 109.3#

65 53.8 105.3 145.3#

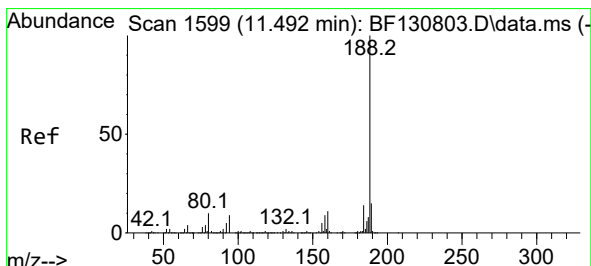
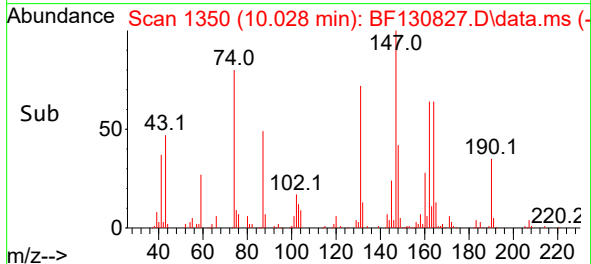
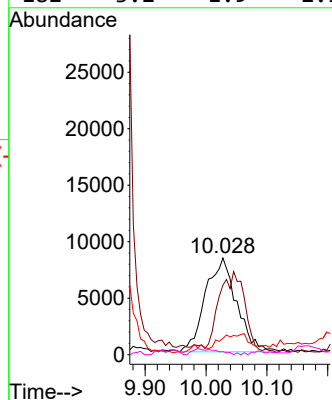
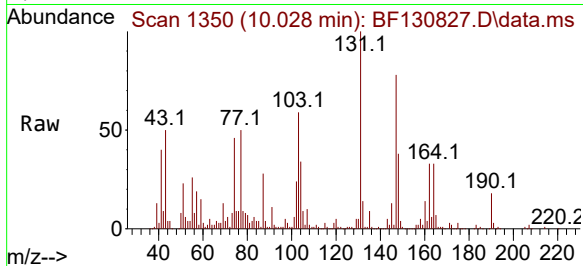




#57
2,4-Dinitrotoluene
Concen: 18.035 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.158 min
Lab File: BF130827.D
Acq: 28 Oct 2022 14:58

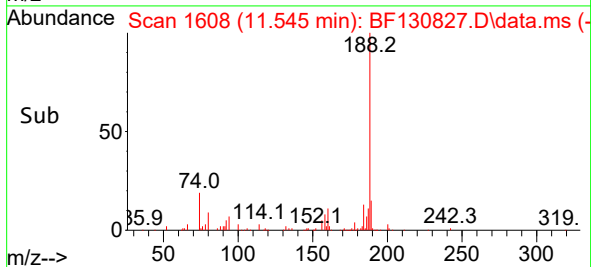
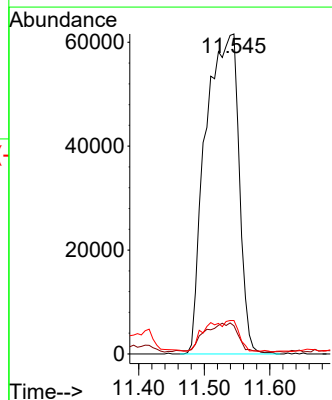
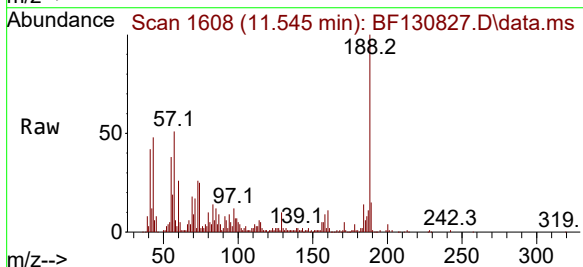
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATERRE

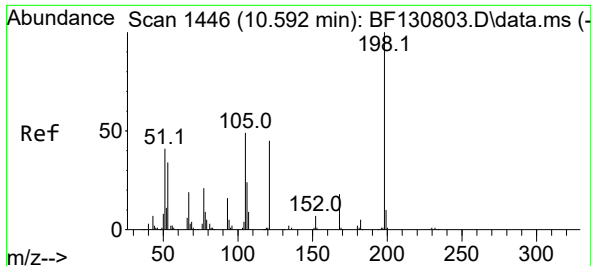
Tgt Ion:165 Resp: 29670
Ion Ratio Lower Upper
165 100
63 71.8 39.8 59.6#
89 16.9 61.9 92.9#
182 3.2 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 1608
Delta R.T. 0.053 min
Lab File: BF130827.D
Acq: 28 Oct 2022 14:58

Tgt Ion:188 Resp: 216764
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 10.4 8.0 12.0





#65

4,6-Dinitro-2-methylphenol

Concen: 8.028 ng

RT: 10.592 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BF130827.D

Acq: 28 Oct 2022 14:58

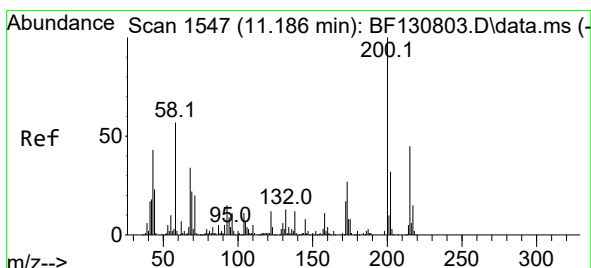
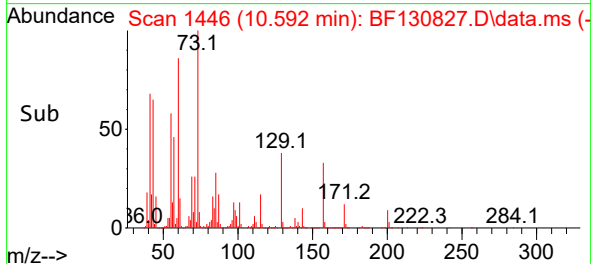
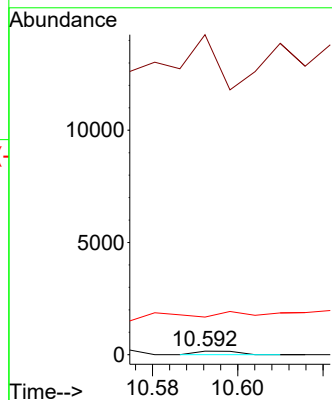
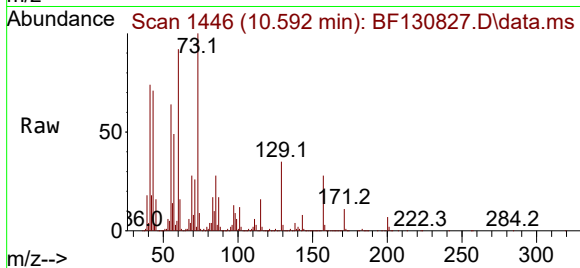
Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATERRE

Tgt Ion:	198	Resp:	108
Ion Ratio	Lower	Upper	
198	100		
51	9259.7	39.0	79.0#
105	1090.3	30.6	70.6#



#69

Atrazine

Concen: 18.674 ng

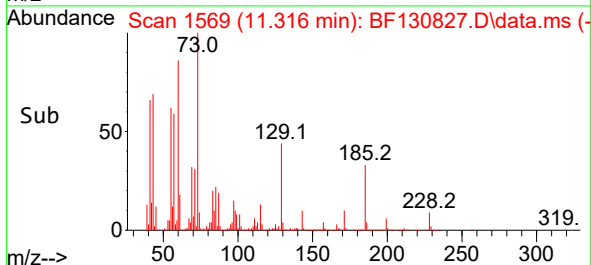
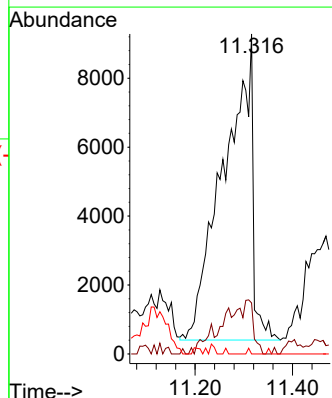
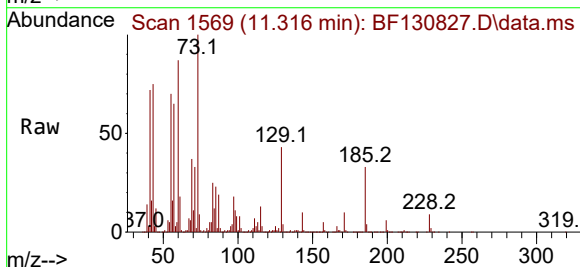
RT: 11.316 min Scan# 1569

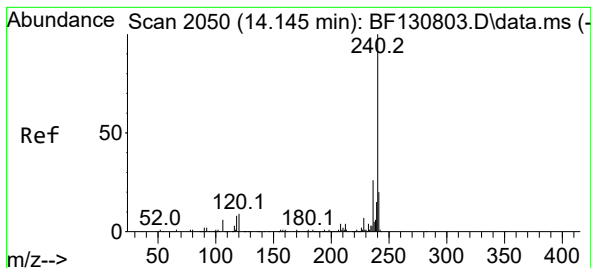
Delta R.T. 0.129 min

Lab File: BF130827.D

Acq: 28 Oct 2022 14:58

Tgt Ion:	200	Resp:	36462
Ion Ratio	Lower	Upper	
200	100		
173	15.9	7.1	47.1
215	0.0	25.4	65.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.180 min Scan# 2056

Delta R.T. 0.035 min

Lab File: BF130827.D

Acq: 28 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATERRE

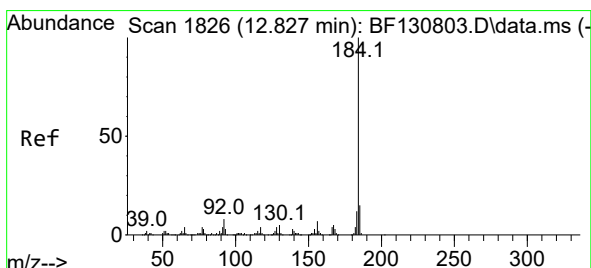
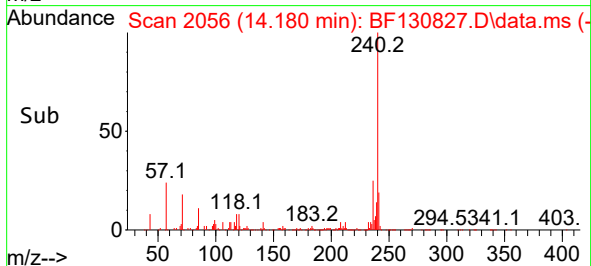
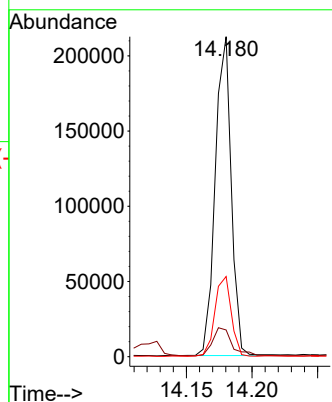
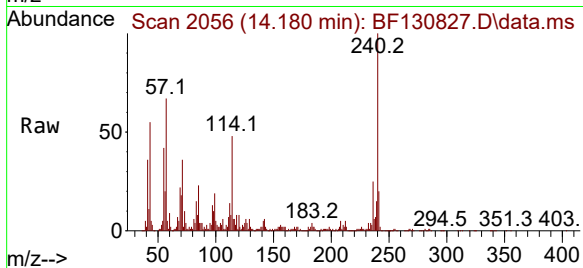
Tgt Ion:240 Resp: 179490

Ion Ratio Lower Upper

240 100

120 8.4 7.0 10.4

236 25.0 20.5 30.7



#77

Benzidine

Concen: 2.912 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.047 min

Lab File: BF130827.D

Acq: 28 Oct 2022 14:58

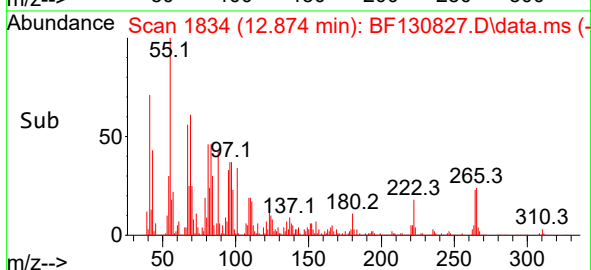
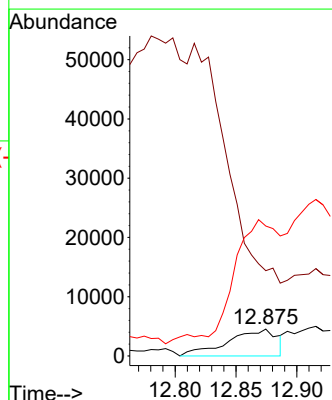
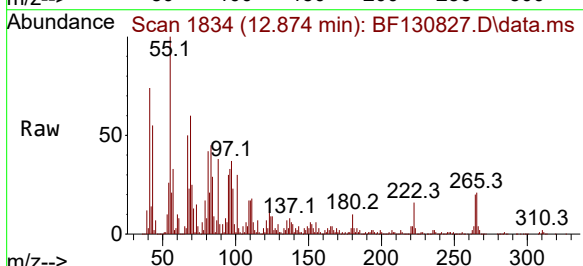
Tgt Ion:184 Resp: 12687

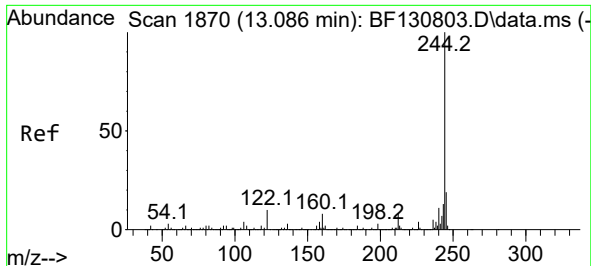
Ion Ratio Lower Upper

184 100

185 316.7 11.8 17.8#

183 482.6 9.7 14.5#

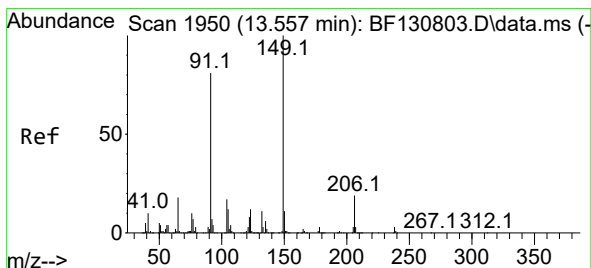
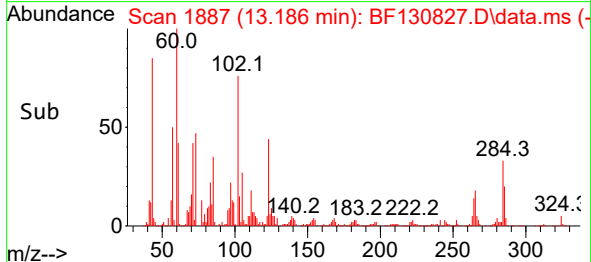
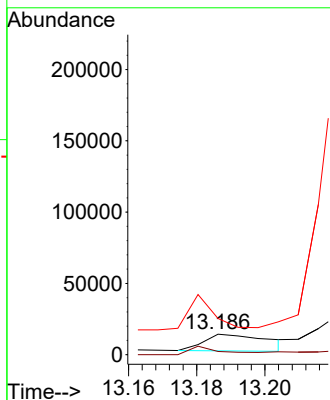
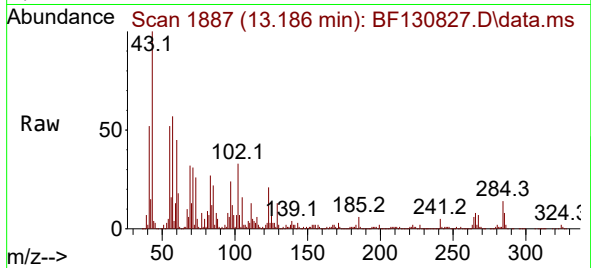




#79
 Terphenyl-d14
 Concen: 1.554 ng
 RT: 13.186 min Scan# 1887
 Delta R.T. 0.100 min
 Lab File: BF130827.D
 Acq: 28 Oct 2022 14:58

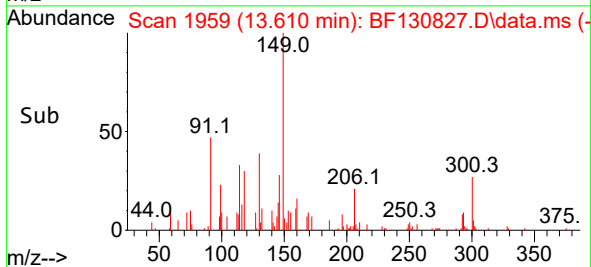
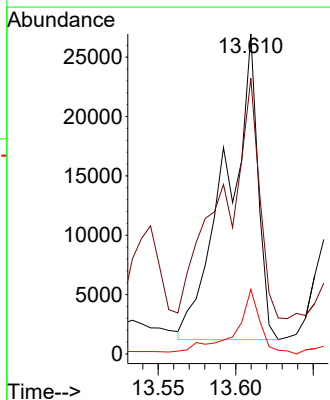
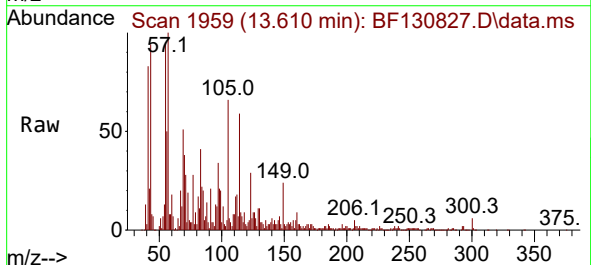
Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE-WATERRE

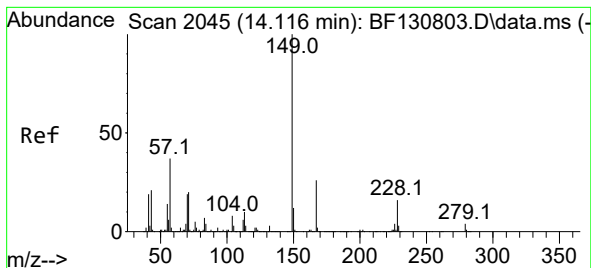
Tgt Ion:244 Resp: 15220
 Ion Ratio Lower Upper
 244 100
 212 16.0 6.2 9.2#
 122 176.4 7.9 11.9#



#80
 Butylbenzylphthalate
 Concen: 6.654 ng
 RT: 13.610 min Scan# 1959
 Delta R.T. 0.053 min
 Lab File: BF130827.D
 Acq: 28 Oct 2022 14:58

Tgt Ion:149 Resp: 36250
 Ion Ratio Lower Upper
 149 100
 91 86.1 64.5 96.7
 206 20.2 15.3 22.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 9.036 ng

RT: 14.133 min Scan# 2048

Delta R.T. 0.018 min

Lab File: BF130827.D

Acq: 28 Oct 2022 14:58

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATERRE

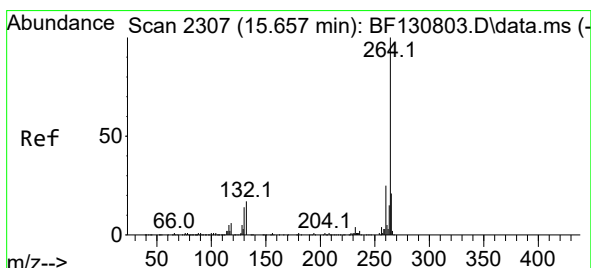
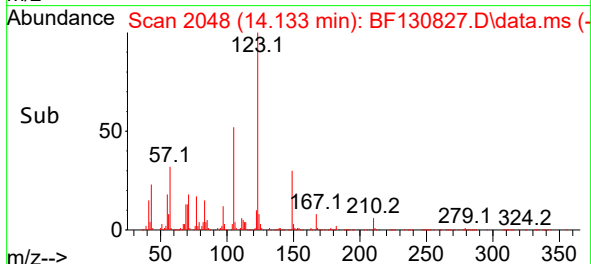
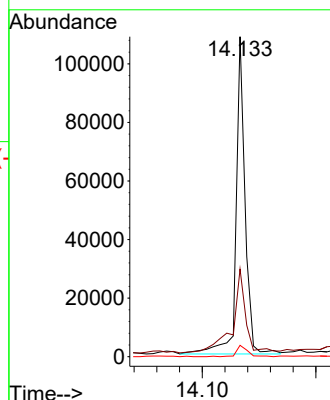
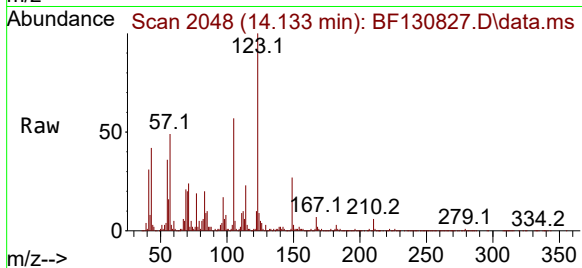
Tgt Ion:149 Resp: 59189

Ion Ratio Lower Upper

149 100

167 27.4 21.0 31.4

279 3.6 3.0 4.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.680 min Scan# 2311

Delta R.T. 0.024 min

Lab File: BF130827.D

Acq: 28 Oct 2022 14:58

Tgt Ion:264 Resp: 132953

Ion Ratio Lower Upper

264 100

260 22.9 19.9 29.9

265 20.5 17.0 25.6

