

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121124\
 Data File : BF140829.D
 Acq On : 11 Dec 2024 15:15
 Operator : RC/JU
 Sample : P5192-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE WATER

Quant Time: Dec 11 15:40:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

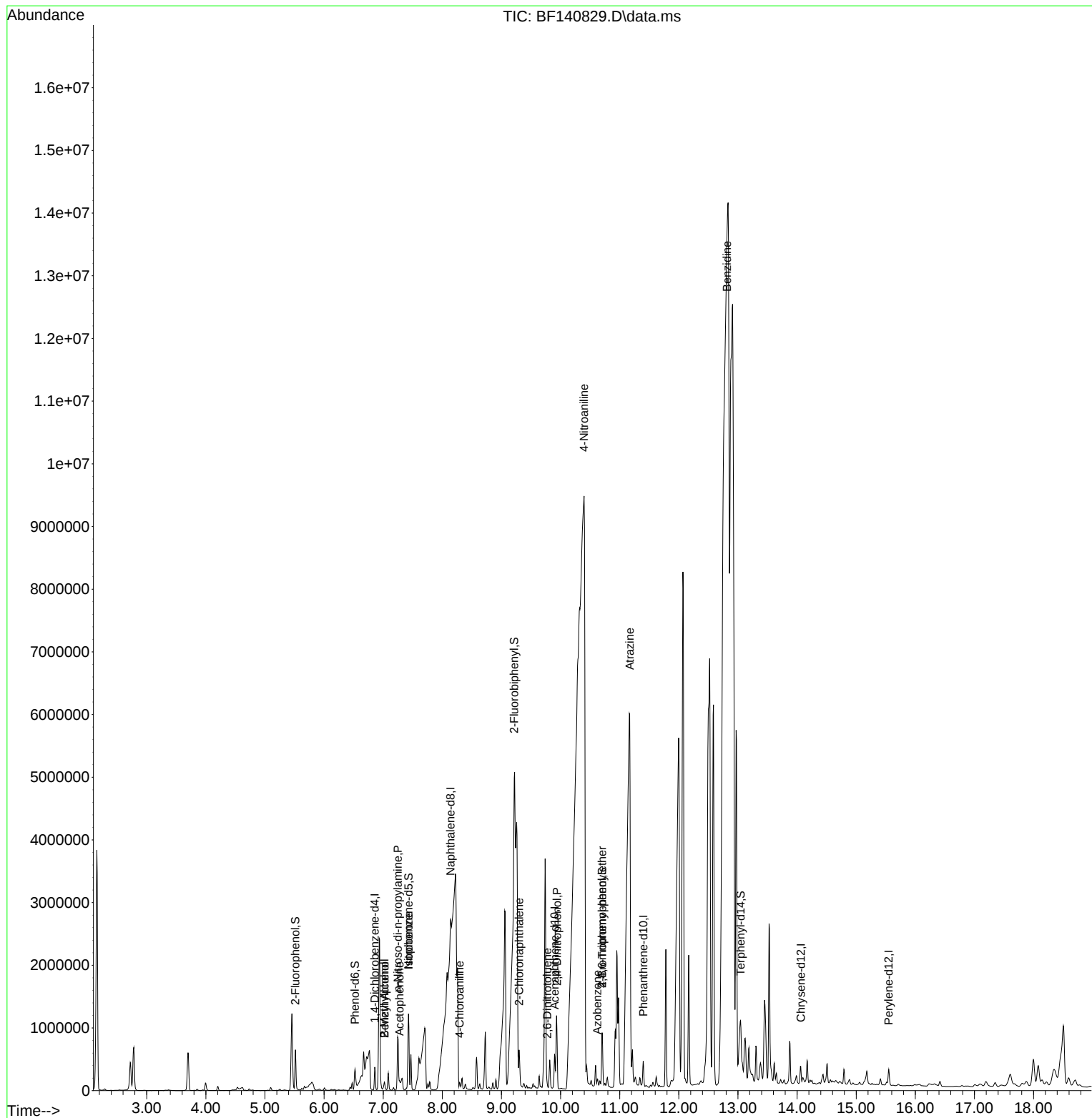
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	77371	20.000	ng	-0.02
21) Naphthalene-d8	8.139	136	256384	20.000	ng	#-0.02
39) Acenaphthene-d10	9.898	164	159565	20.000	ng	-0.02
64) Phenanthrene-d10	11.398	188	212898	20.000	ng	0.00
76) Chrysene-d12	14.062	240	135537	20.000	ng	0.01
86) Perylene-d12	15.551	264	146438	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	237279	52.325	ng	0.02
7) Phenol-d6	6.522	99	203171	33.890	ng	0.00
23) Nitrobenzene-d5	7.428	82	555873	110.900	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	138584	81.207	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1049742	98.020	ng	-0.02
79) Terphenyl-d14	13.045	244	834246	95.843	ng	0.05
Target Compounds						Qvalue
15) Benzyl Alcohol	7.022	79	33431	7.520	ng	98
17) 2-Methylphenol	7.022	107	15711	4.023	ng	# 13
19) n-Nitroso-di-n-propyla...	7.245	70	92151	26.009	ng	# 69
22) Acetophenone	7.275	105	32091	5.134	ng	# 91
25) Isophorone	7.428	82	552593	66.098	ng	# 66
33) 4-Chloroaniline	8.292	127	10025	2.535	ng	# 49
47) 2-Chloronaphthalene	9.298	162	61607	6.825	ng	# 37
51) 2,6-Dinitrotoluene	9.774	165	5129	2.152	ng	# 39
54) 2,4-Dinitrophenol	9.939	184	1595	8.989	ng	# 5
62) 4-Nitroaniline	10.398	138	426992	174.652	ng	# 16
63) Azobenzene	10.621	77	24744	2.447	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	8323	3.796	ng	# 1
69) Atrazine	11.169	200	22655	12.791	ng	# 50
77) Benzidine	12.815	184	23513	5.967	ng	# 1

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

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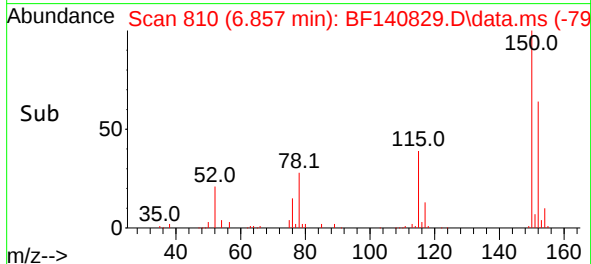
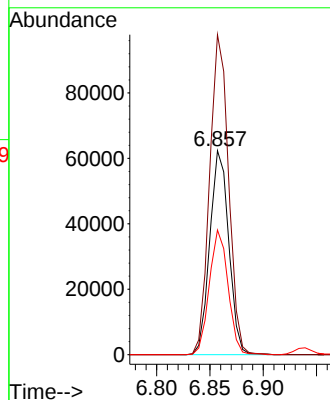
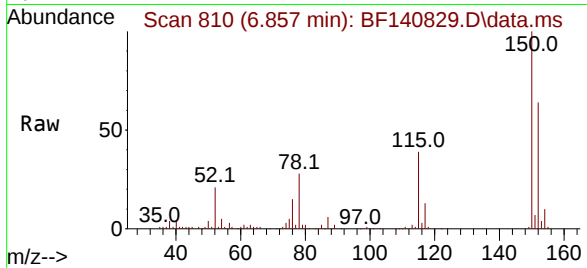




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

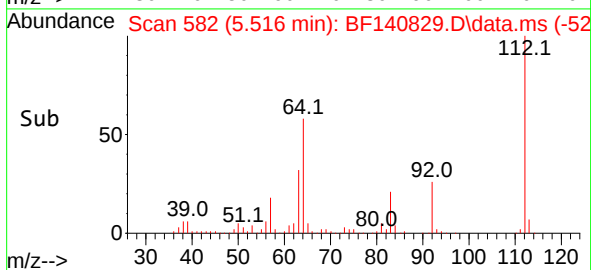
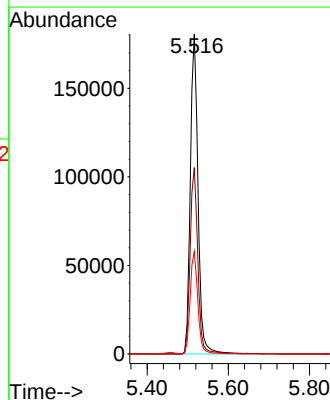
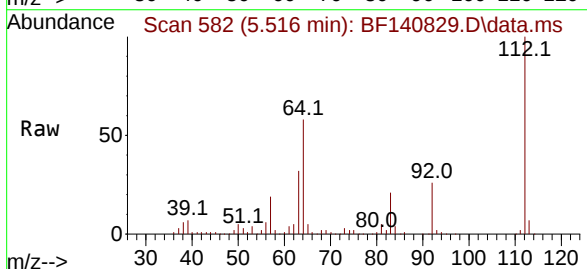
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

Tgt Ion:152 Resp: 77371
Ion Ratio Lower Upper
152 100
150 156.8 128.5 192.7
115 61.1 50.2 75.4



#5
2-Fluorophenol
Concen: 52.325 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

Tgt Ion:112 Resp: 237279
Ion Ratio Lower Upper
112 100
64 58.2 49.2 73.8
63 32.1 27.0 40.4

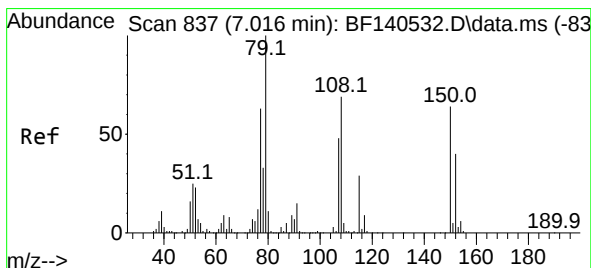
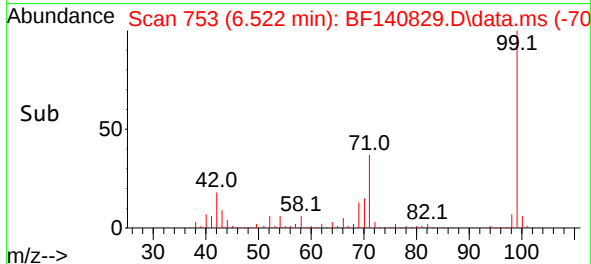
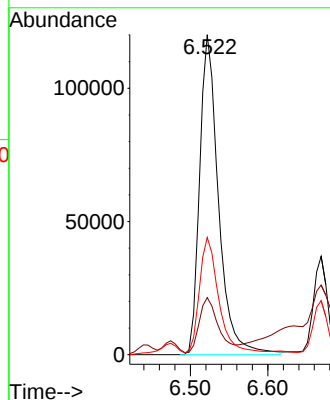
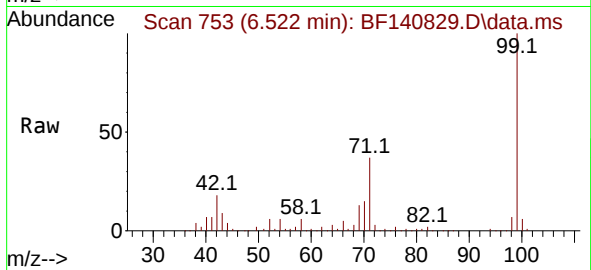




#7
Phenol-d6
Concen: 33.890 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

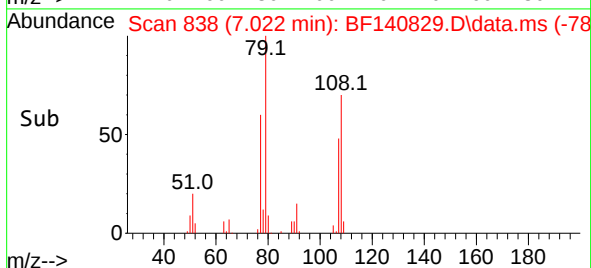
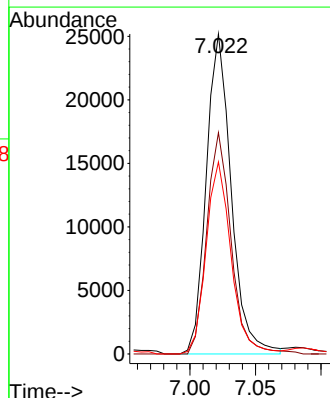
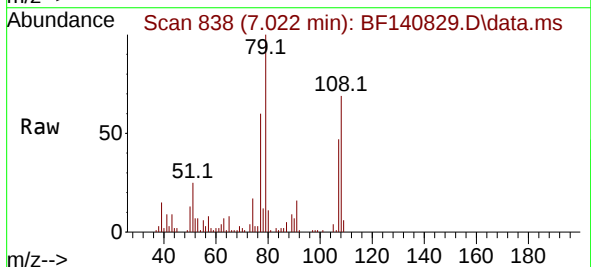
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

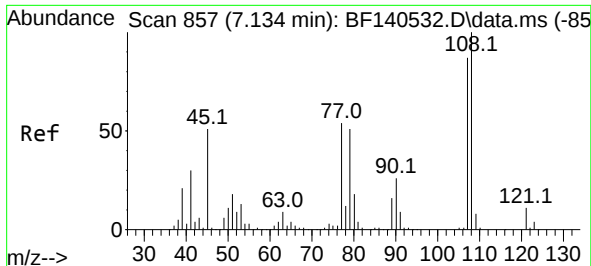
Tgt Ion: 99 Resp: 203171
Ion Ratio Lower Upper
99 100
42 17.8 15.4 23.0
71 36.7 30.6 46.0



#15
Benzyl Alcohol
Concen: 7.520 ng
RT: 7.022 min Scan# 838
Delta R.T. 0.006 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

Tgt Ion: 79 Resp: 33431
Ion Ratio Lower Upper
79 100
108 69.2 55.0 82.6
77 60.0 50.1 75.1

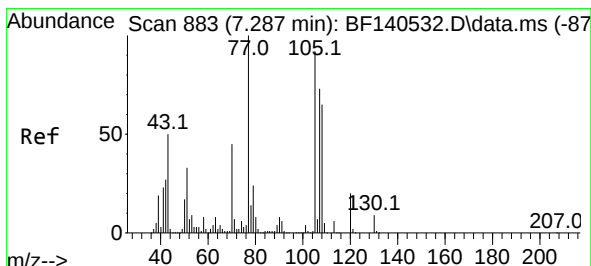
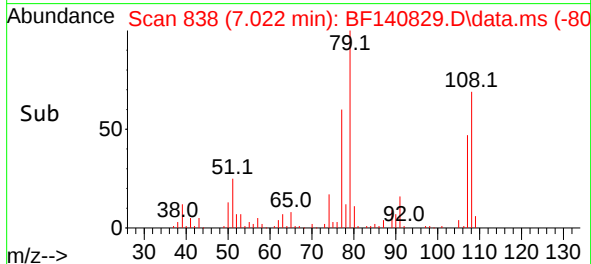
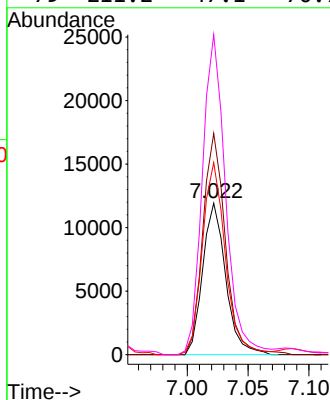
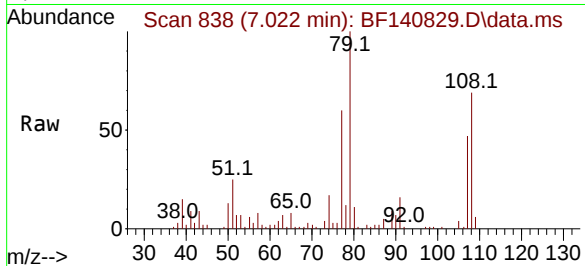




#17
2-Methylphenol
Concen: 4.023 ng
RT: 7.022 min Scan# 81
Delta R.T. -0.112 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

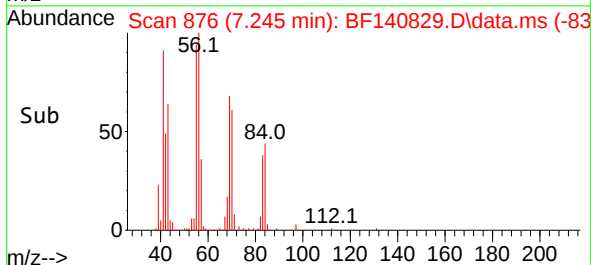
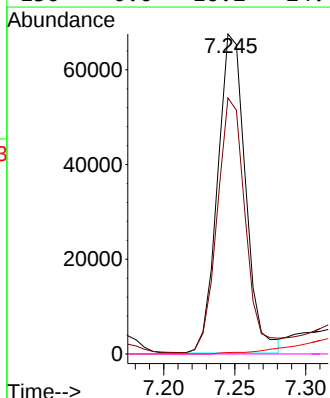
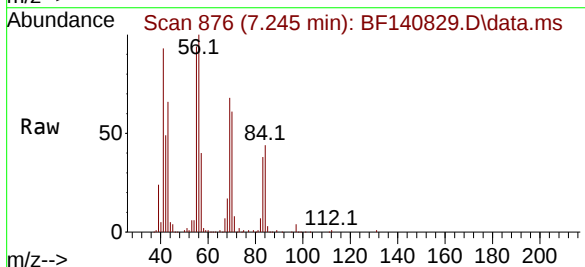
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

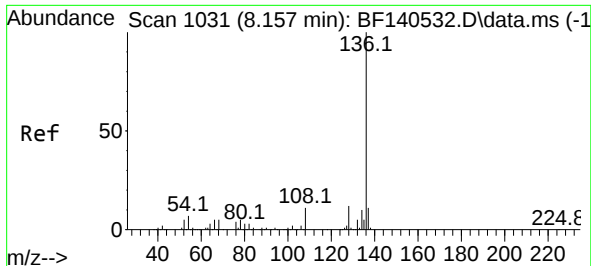
Tgt Ion:107 Resp: 15711
Ion Ratio Lower Upper
107 100
108 146.0 91.7 137.5#
77 126.7 49.3 73.9#
79 211.2 47.1 70.7#



#19
n-Nitroso-di-n-propylamine
Concen: 26.009 ng
RT: 7.245 min Scan# 876
Delta R.T. -0.041 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

Tgt Ion: 70 Resp: 92151
Ion Ratio Lower Upper
70 100
42 80.0 47.6 71.4#
101 0.5 7.6 11.4#
130 0.0 16.2 24.4#

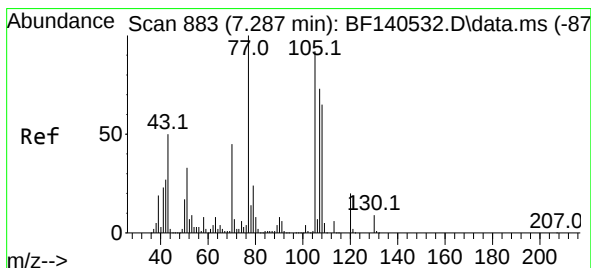
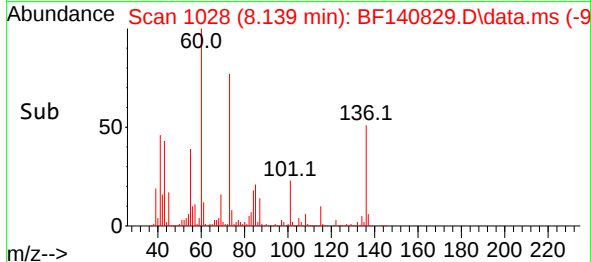
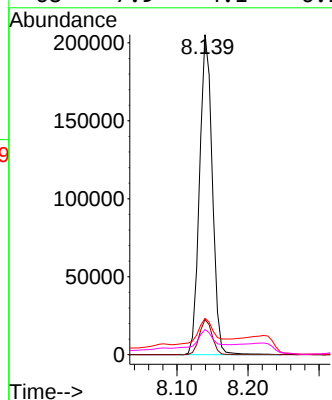
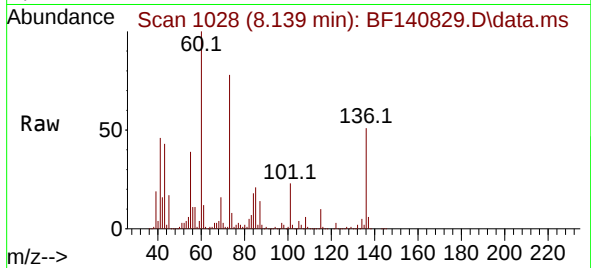




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1028
Delta R.T. -0.018 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

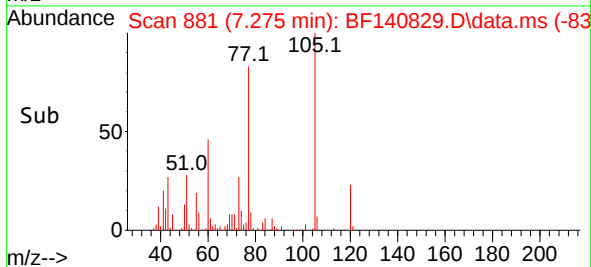
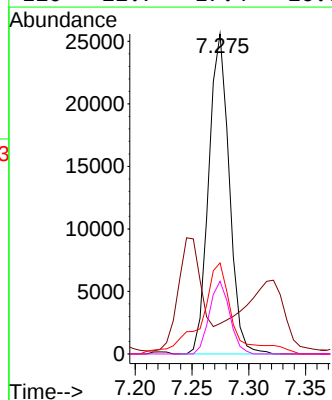
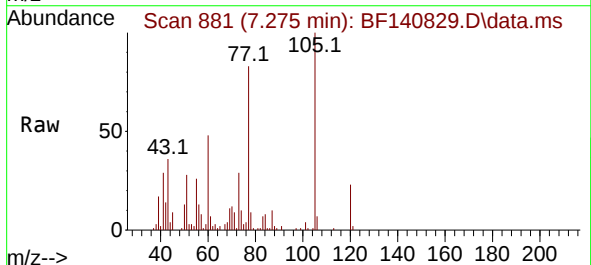
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

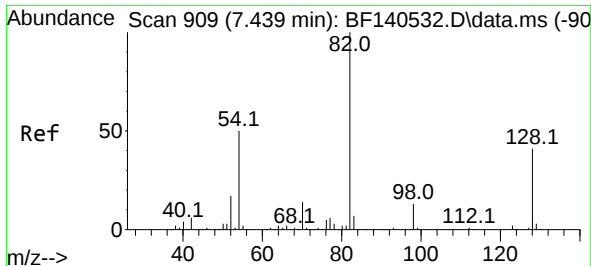
Tgt Ion:136 Resp: 256384
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 11.3 5.8 8.8#
68 7.9 4.1 6.1#



#22
Acetophenone
Concen: 5.134 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

Tgt Ion:105 Resp: 32091
Ion Ratio Lower Upper
105 100
71 9.5 6.2 9.2#
51 28.4 29.0 43.6#
120 22.7 17.4 26.0

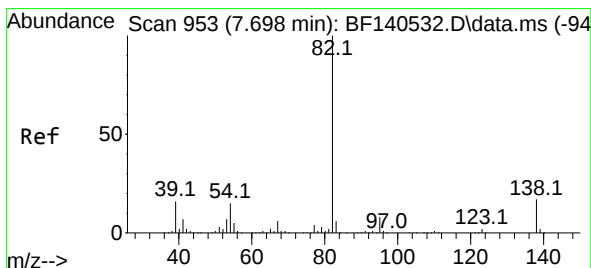
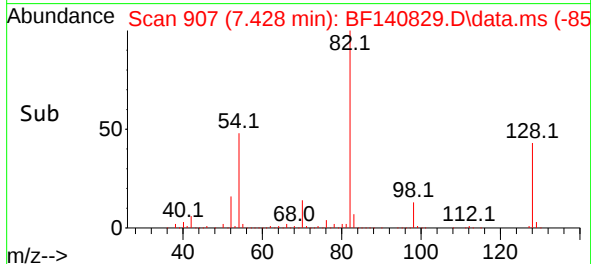
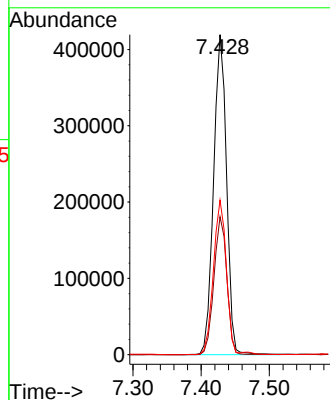
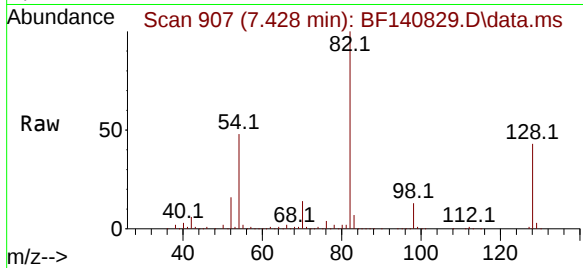




#23
Nitrobenzene-d5
Concen: 110.900 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

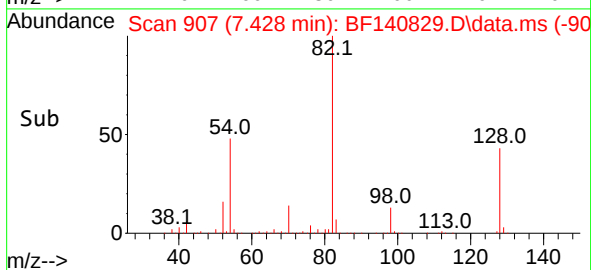
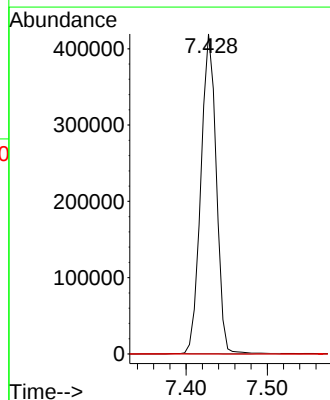
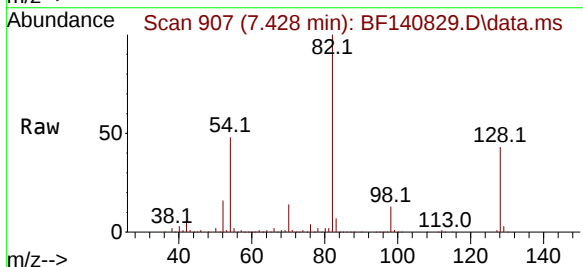
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

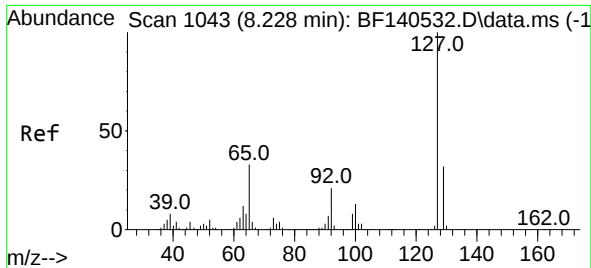
Tgt Ion: 82 Resp: 555873
Ion Ratio Lower Upper
82 100
128 43.1 33.0 49.4
54 48.3 39.5 59.3



#25
Isophorone
Concen: 66.098 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

Tgt Ion: 82 Resp: 552593
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#

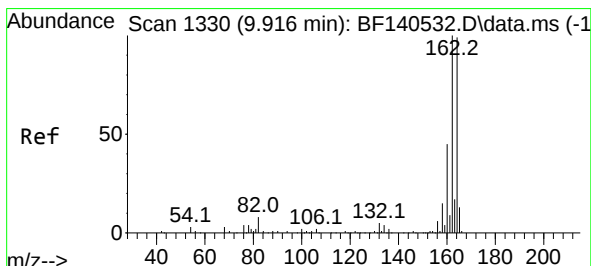
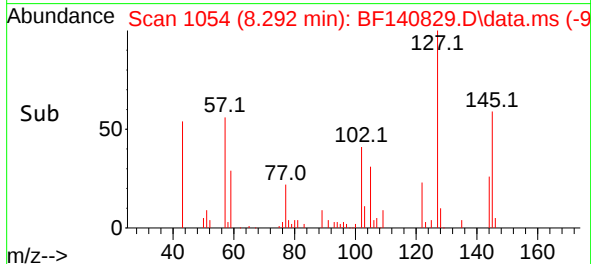
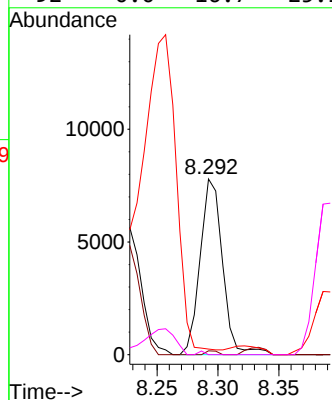
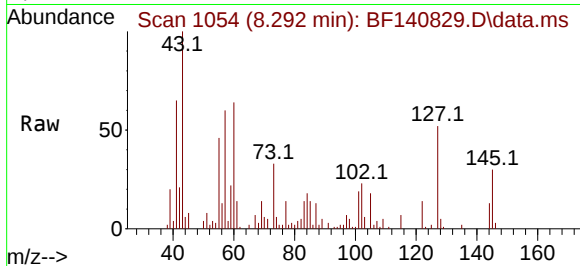




#33
4-Chloroaniline
Concen: 2.535 ng
RT: 8.292 min Scan# 1054
Delta R.T. 0.065 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

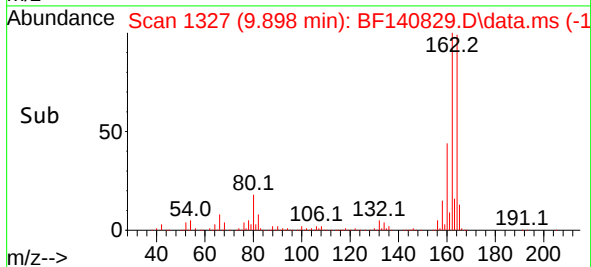
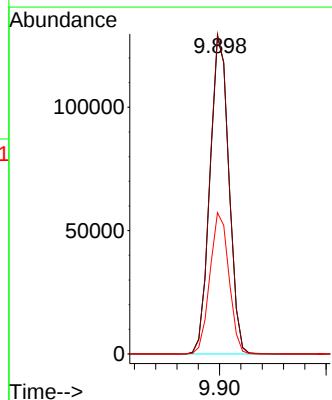
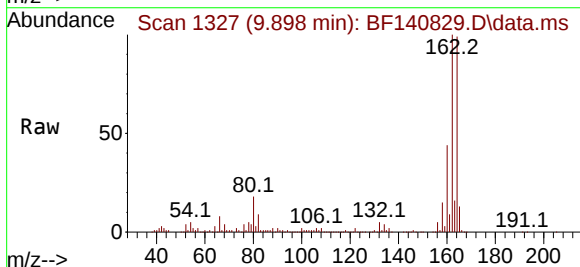
Instrument :
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EFF-WASTE WATER

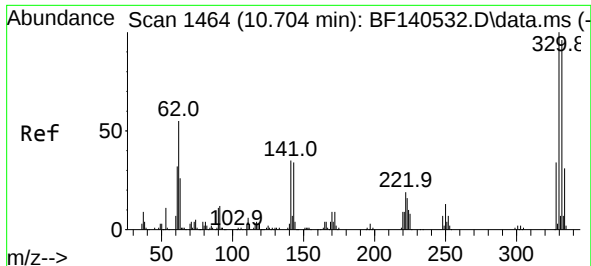
Tgt Ion:127	Resp:	10025
Ion Ratio	Lower	Upper
127	100	
129	2.2	26.0 39.0#
65	3.2	26.0 39.0#
92	0.0	16.7 25.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

Tgt Ion:164	Resp:	159565
Ion Ratio	Lower	Upper
164	100	
162	100.9	80.6 120.8
160	44.6	36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 81.207 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140829.D

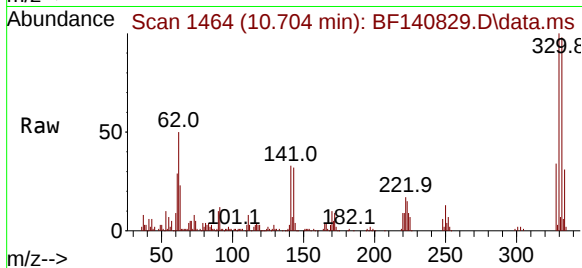
Acq: 11 Dec 2024 15:15

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE WATER



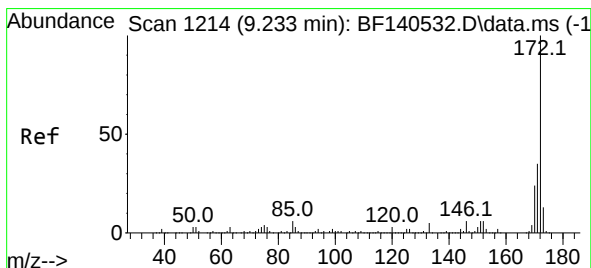
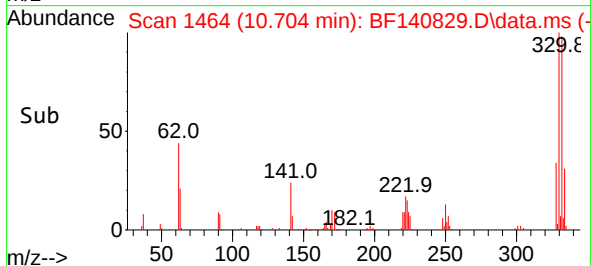
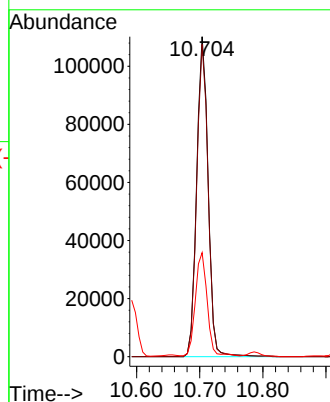
Tgt Ion:330 Resp: 138584

Ion Ratio Lower Upper

330 100

332 97.3 76.9 115.3

141 33.1 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 98.020 ng

RT: 9.216 min Scan# 1211

Delta R.T. -0.018 min

Lab File: BF140829.D

Acq: 11 Dec 2024 15:15

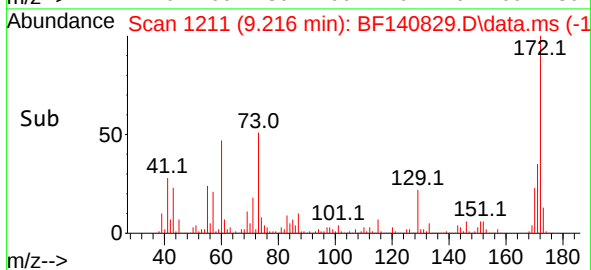
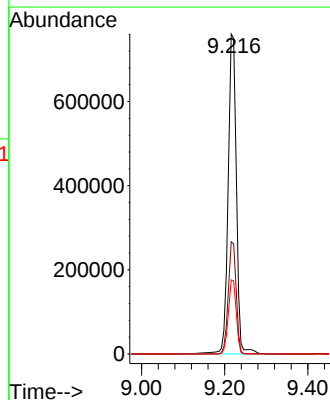
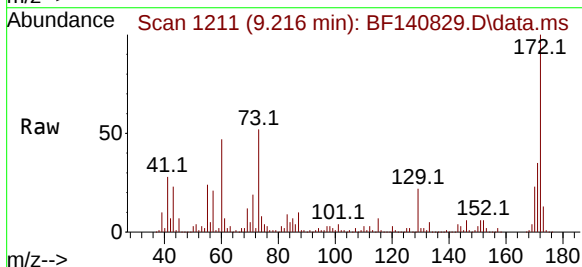
Tgt Ion:172 Resp: 1049742

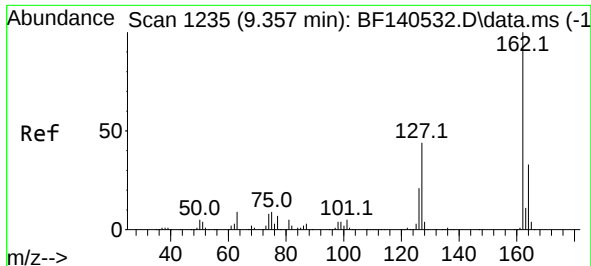
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.2 19.0 28.6

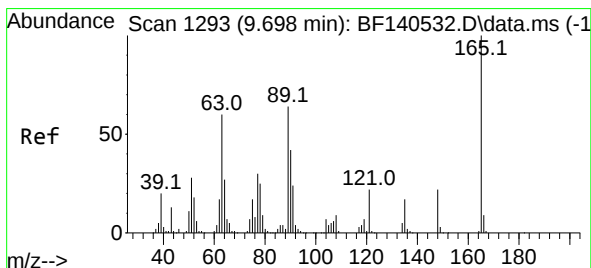
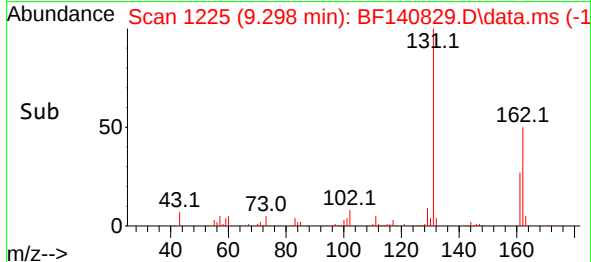
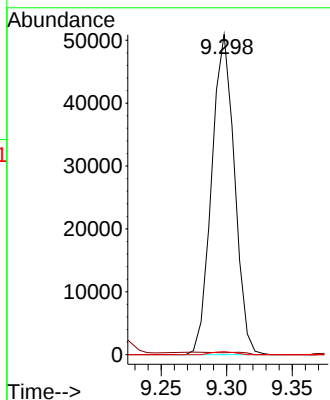
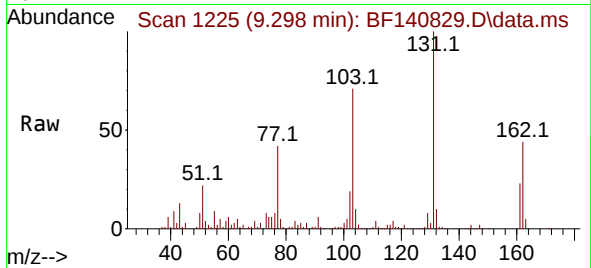




#47
2-Chloronaphthalene
Concen: 6.825 ng
RT: 9.298 min Scan# 11
Delta R.T. -0.059 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

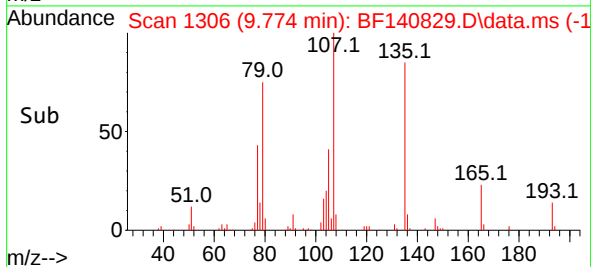
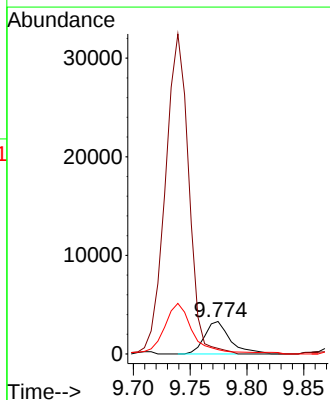
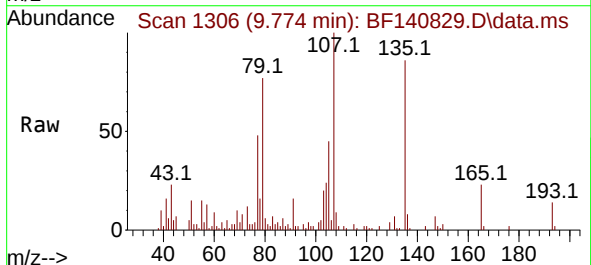
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

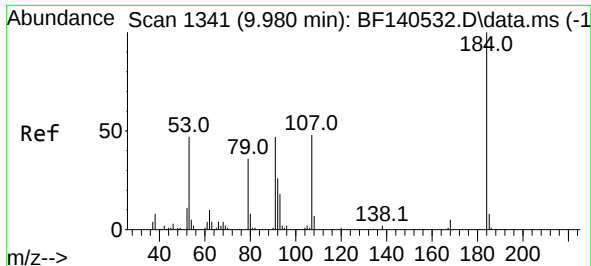
Tgt Ion:162 Resp: 61607
Ion Ratio Lower Upper
162 100
127 0.6 35.7 53.5#
164 1.0 26.1 39.1#



#51
2,6-Dinitrotoluene
Concen: 2.152 ng
RT: 9.774 min Scan# 1306
Delta R.T. 0.076 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

Tgt Ion:165 Resp: 5129
Ion Ratio Lower Upper
165 100
63 17.2 49.9 74.9#
89 13.5 50.9 76.3#

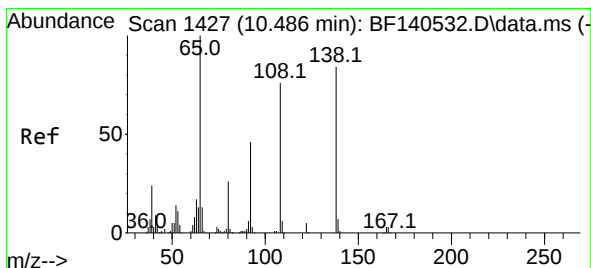
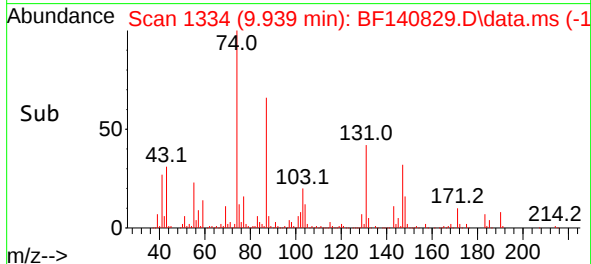
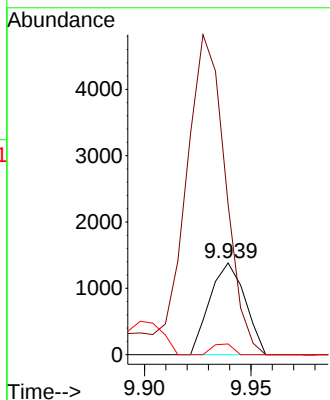
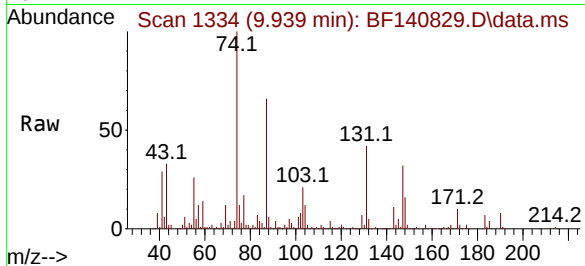




#54
2,4-Dinitrophenol
Concen: 8.989 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

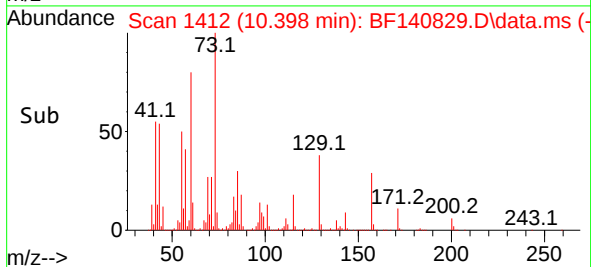
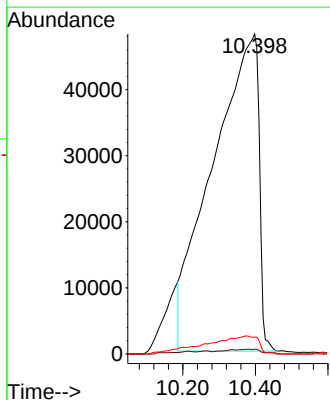
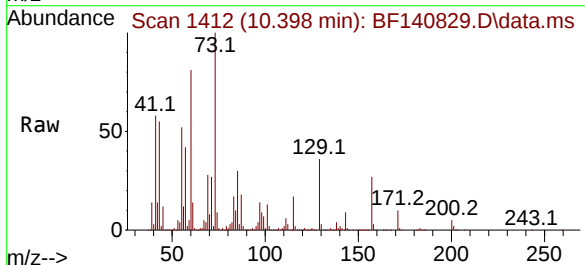
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

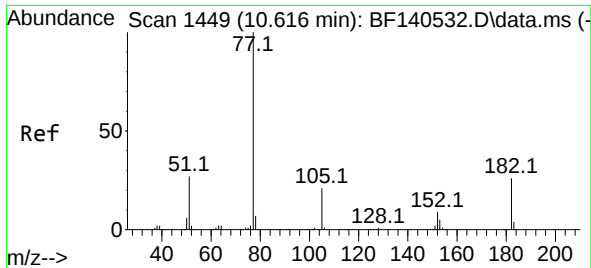
Tgt Ion:184 Resp: 1595
Ion Ratio Lower Upper
184 100
63 163.6 54.1 81.1#
154 11.7 57.4 86.0#



#62
4-Nitroaniline
Concen: 174.652 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.088 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

Tgt Ion:138 Resp: 426992
Ion Ratio Lower Upper
138 100
92 1.5 34.5 74.5#
108 5.3 70.6 110.6#

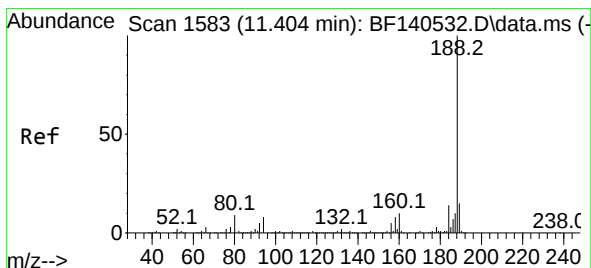
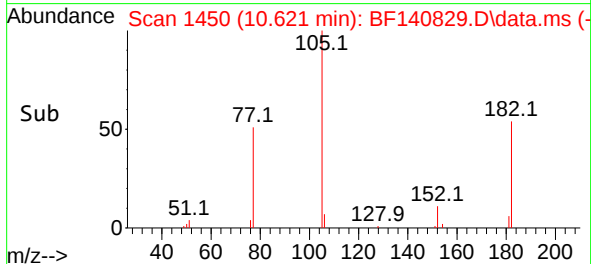
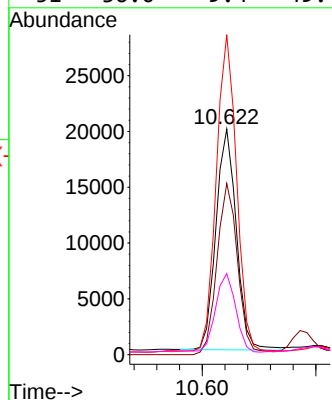
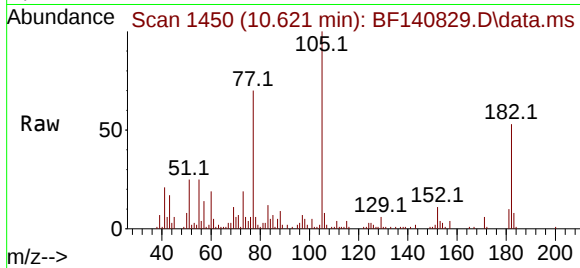




#63
 Azobenzene
 Concen: 2.447 ng
 RT: 10.621 min Scan# 1449
 Delta R.T. 0.006 min
 Lab File: BF140829.D
 Acq: 11 Dec 2024 15:15

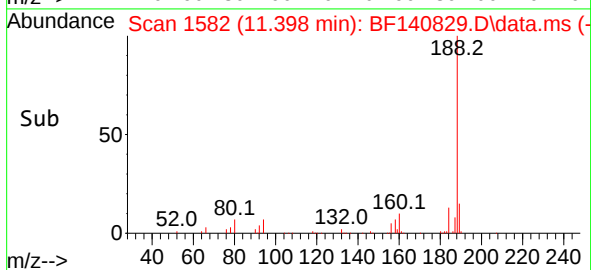
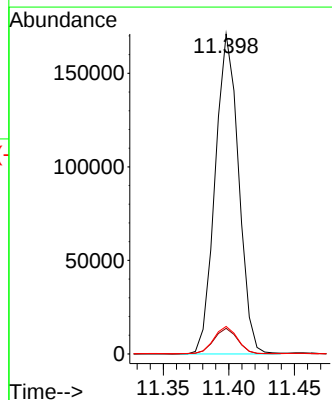
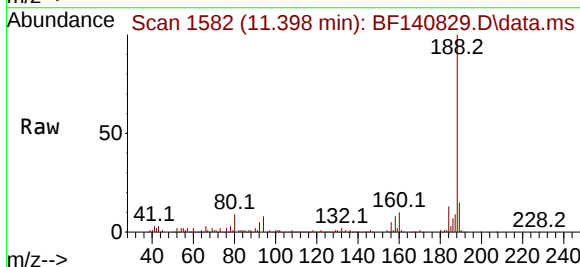
Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE WATER

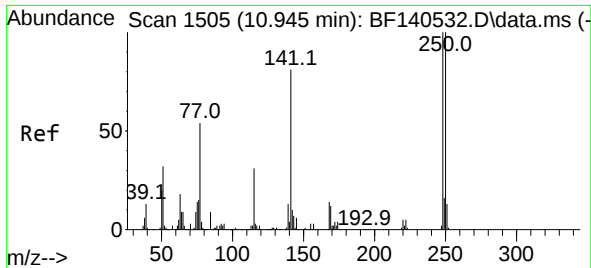
Tgt Ion: 77	Resp: 24744
Ion Ratio	Lower Upper
77 100	
182 75.9	5.3 45.3#
105 141.9	0.3 40.3#
51 36.0	9.4 49.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF140829.D
 Acq: 11 Dec 2024 15:15

Tgt Ion: 188	Resp: 212898
Ion Ratio	Lower Upper
188 100	
94 8.0	6.4 9.6
80 8.6	6.9 10.3

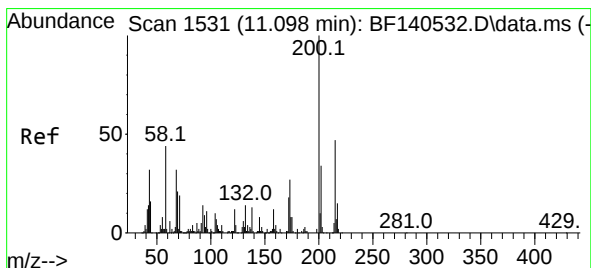
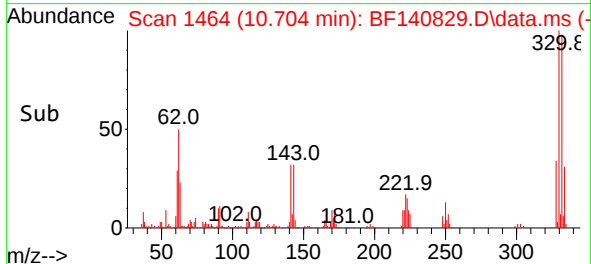
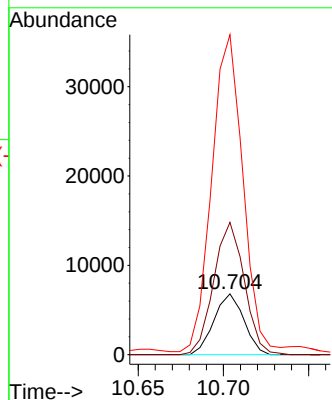
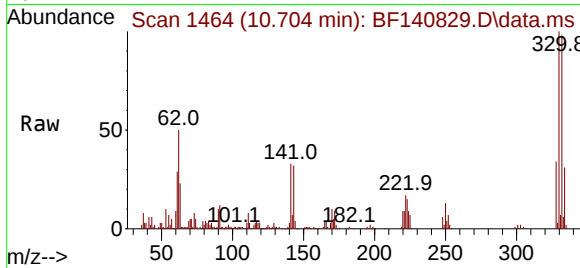




#67
4-Bromophenyl-phenylether
Concen: 3.796 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.241 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

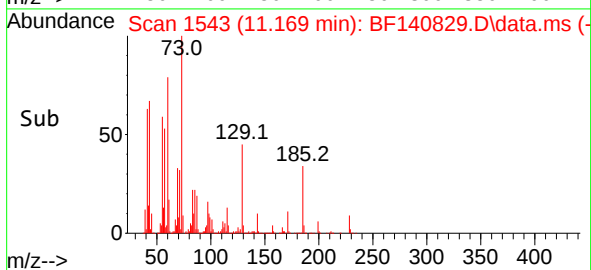
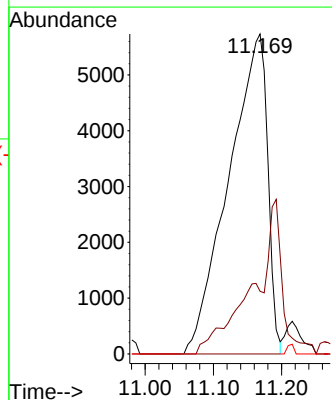
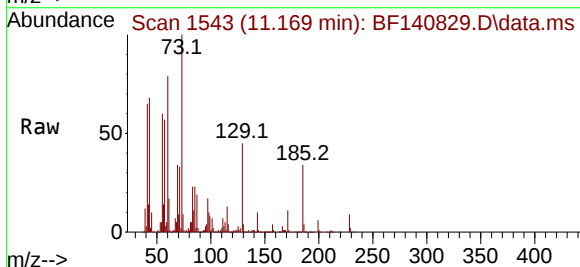
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

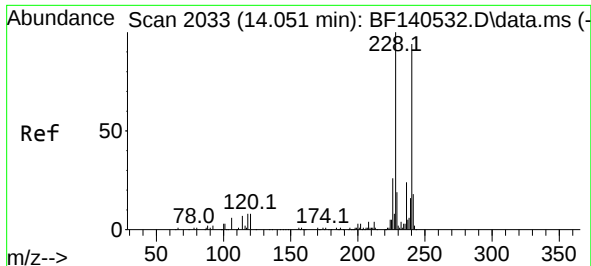
Tgt Ion:248 Resp: 8323
Ion Ratio Lower Upper
248 100
250 218.0 79.8 119.8#
141 526.8 64.7 97.1#



#69
Atrazine
Concen: 12.791 ng
RT: 11.169 min Scan# 1543
Delta R.T. 0.070 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

Tgt Ion:200 Resp: 22655
Ion Ratio Lower Upper
200 100
173 19.6 7.0 47.0
215 0.0 26.7 66.7#

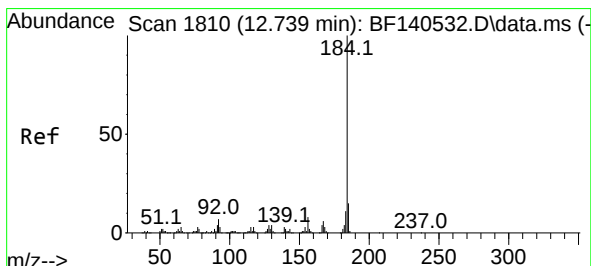
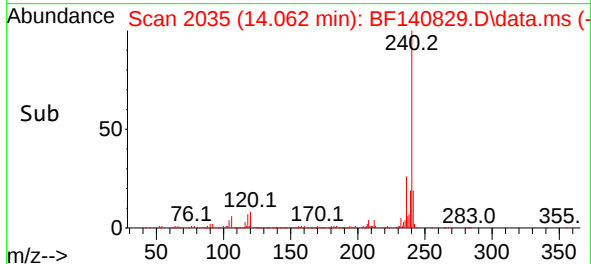
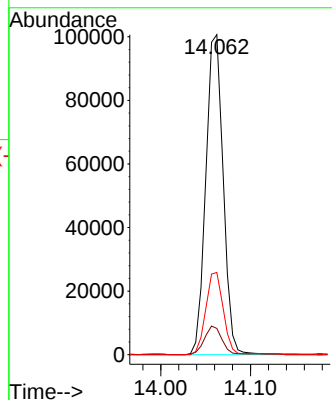
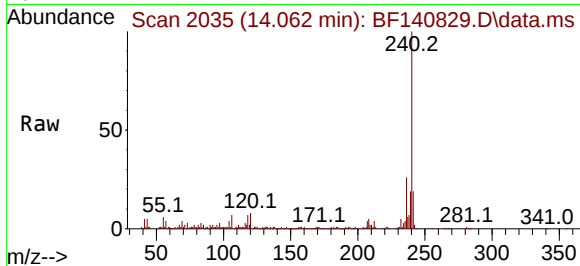




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2035
Delta R.T. 0.012 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

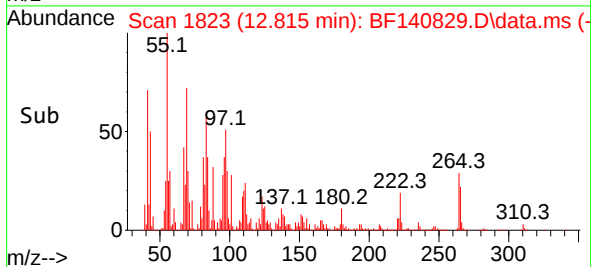
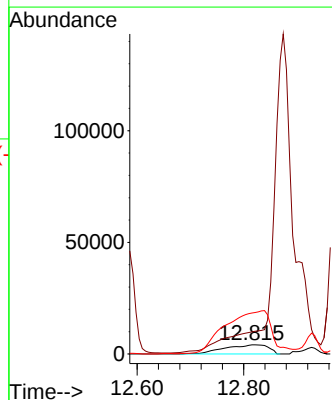
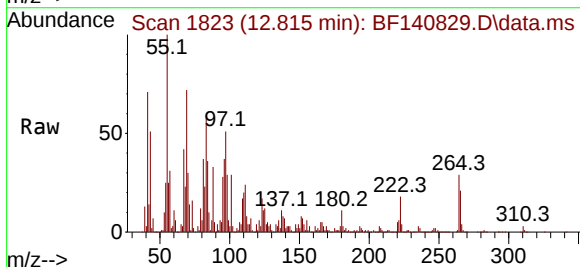
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

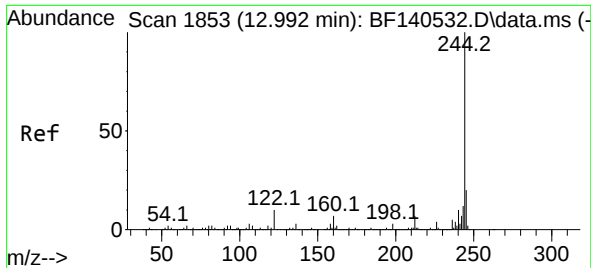
Tgt Ion:240 Resp: 135537
Ion Ratio Lower Upper
240 100
120 8.2 7.3 10.9
236 25.7 20.6 31.0



#77
Benzidine
Concen: 5.967 ng
RT: 12.815 min Scan# 1823
Delta R.T. 0.076 min
Lab File: BF140829.D
Acq: 11 Dec 2024 15:15

Tgt Ion:184 Resp: 23513
Ion Ratio Lower Upper
184 100
185 242.8 11.7 17.5#
183 448.3 8.8 13.2#

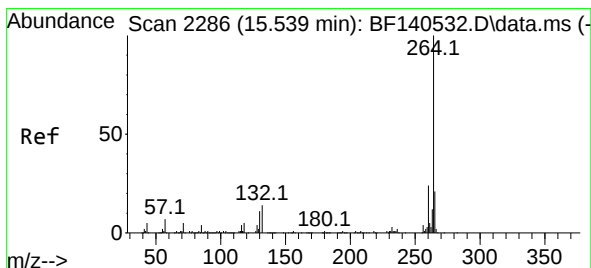
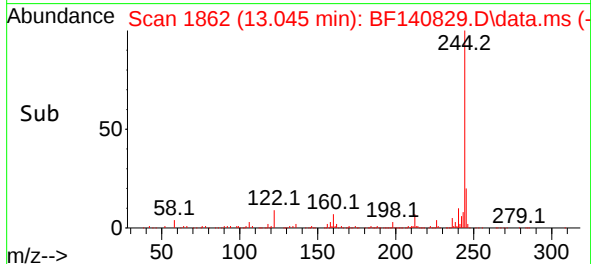
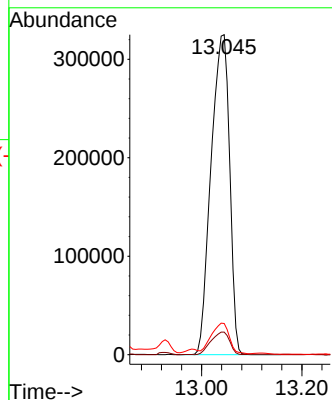
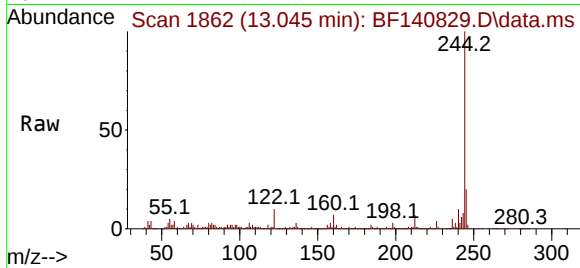




#79
 Terphenyl-d14
 Concen: 95.843 ng
 RT: 13.045 min Scan# 1862
 Delta R.T. 0.053 min
 Lab File: BF140829.D
 Acq: 11 Dec 2024 15:15

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE WATER

Tgt Ion:244 Resp: 834246
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 9.7 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 2288
 Delta R.T. 0.012 min
 Lab File: BF140829.D
 Acq: 11 Dec 2024 15:15

Tgt Ion:264 Resp: 146438
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.6
 265 21.0 16.6 25.0

