

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031323\
 Data File : BF132764.D
 Acq On : 13 Mar 2023 17:16
 Operator : CG\JU
 Sample : 01870-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAW-WATER

Quant Time: Mar 14 01:32:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 13:44:13 2023
 Response via : Initial Calibration

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

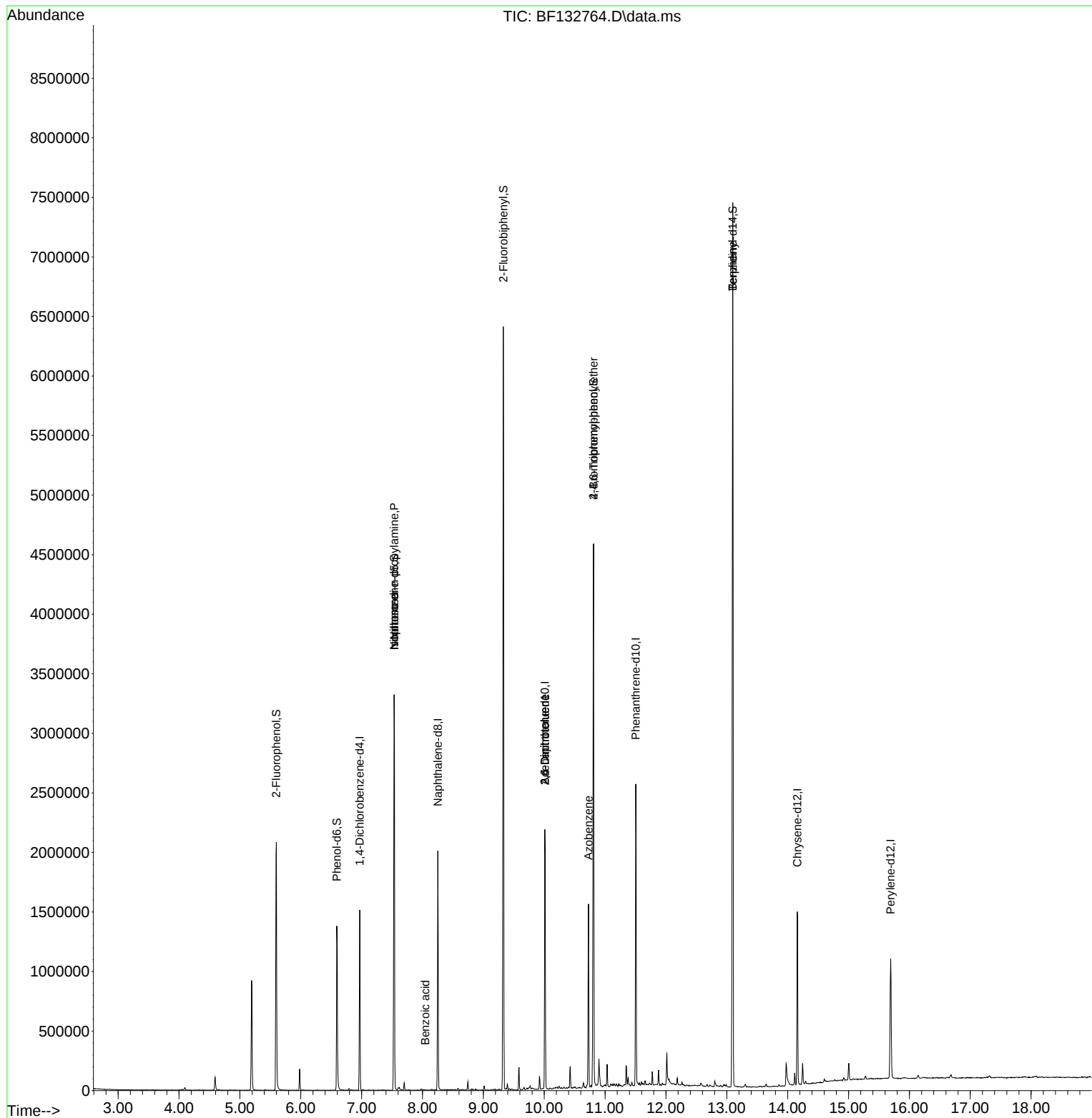
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	209635	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	794478	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	445639	20.000	ng	-0.01
64) Phenanthrene-d10	11.504	188	929109	20.000	ng	0.00
76) Chrysene-d12	14.157	240	522913	20.000	ng	#-0.01
86) Perylene-d12	15.692	264	480259	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	642913	49.774	ng	0.00
7) Phenol-d6	6.593	99	496274	29.439	ng	-0.02
23) Nitrobenzene-d5	7.534	82	1217934	72.732	ng	-0.01
42) 2,4,6-Tribromophenol	10.810	330	589166	122.419	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	2044582	69.859	ng	0.00
79) Terphenyl-d14	13.098	244	2906507	93.977	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.534	70	158918	15.318	ng	# 76
25) Isophorone	7.534	82	1217917	37.936	ng	# 67
32) Benzoic acid	8.045	122	145	3.850	ng	85
51) 2,6-Dinitrotoluene	10.010	165	59591	8.064	ng	# 22
57) 2,4-Dinitrotoluene	10.010	165	59591	6.061	ng	# 21
63) Azobenzene	10.728	77	258885	7.714	ng	# 1
67) 4-Bromophenyl-phenylether	10.810	248	38279	3.642	ng	# 1
77) Benzidine	13.098	184	42533	3.341	ng	# 94

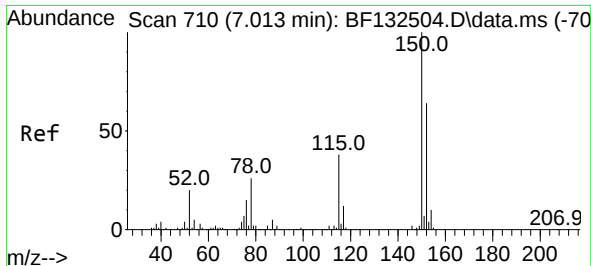
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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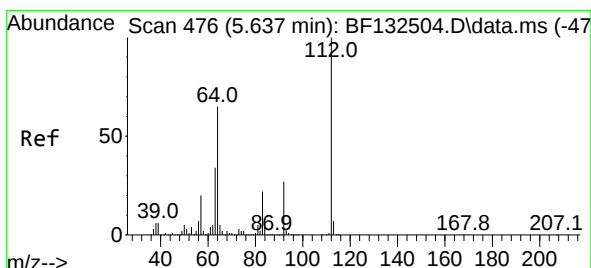
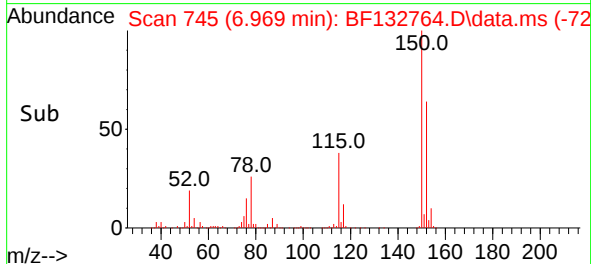
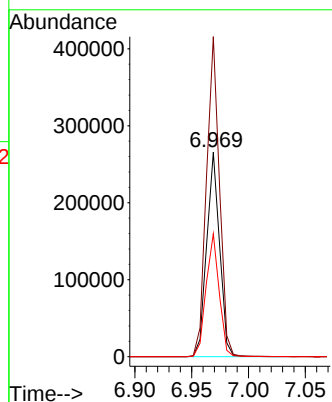
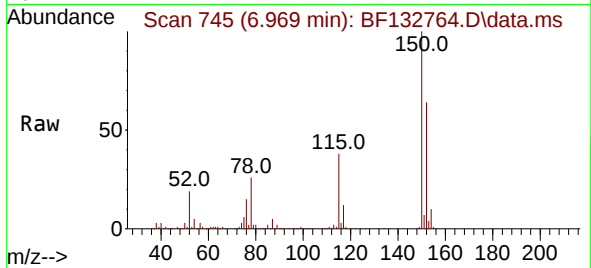




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132764.D
Acq: 13 Mar 2023 17:16

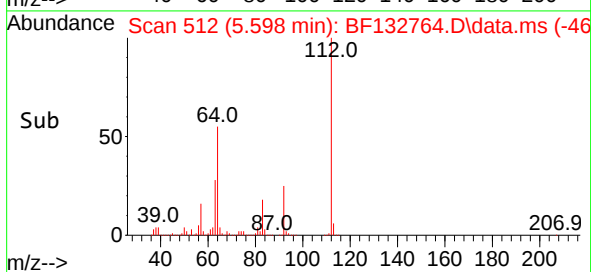
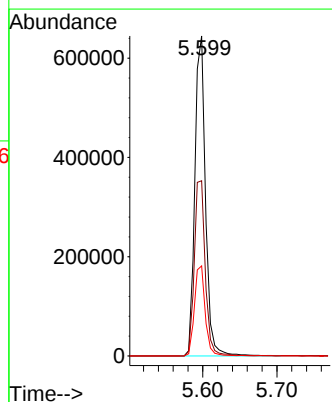
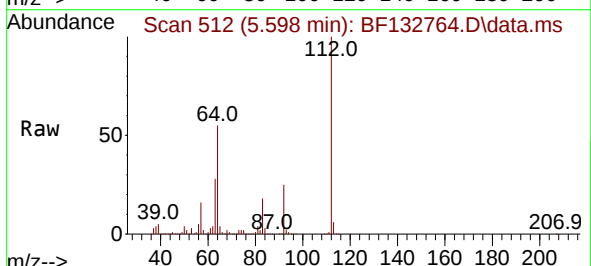
Instrument :
BNA_F
ClientSampleId :
RAW-WATER

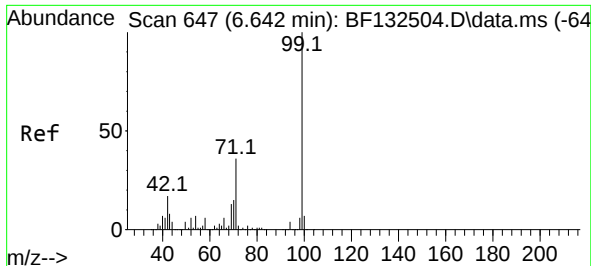
Tgt Ion:152 Resp: 209635
Ion Ratio Lower Upper
152 100
150 156.4 125.4 188.2
115 60.1 47.8 71.6



#5
2-Fluorophenol
Concen: 49.774 ng
RT: 5.598 min Scan# 512
Delta R.T. 0.000 min
Lab File: BF132764.D
Acq: 13 Mar 2023 17:16

Tgt Ion:112 Resp: 642913
Ion Ratio Lower Upper
112 100
64 54.7 51.6 77.4
63 28.2 27.4 41.2

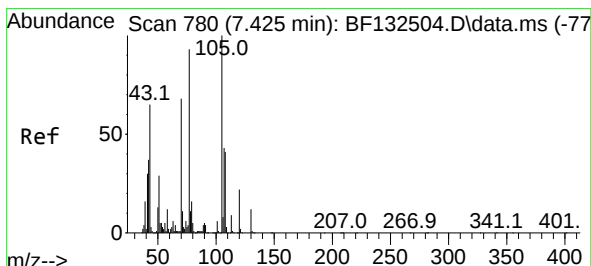
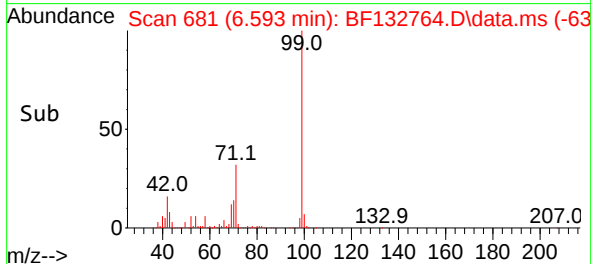
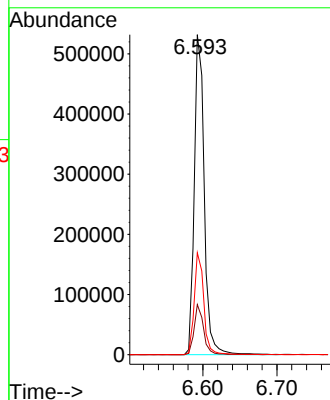
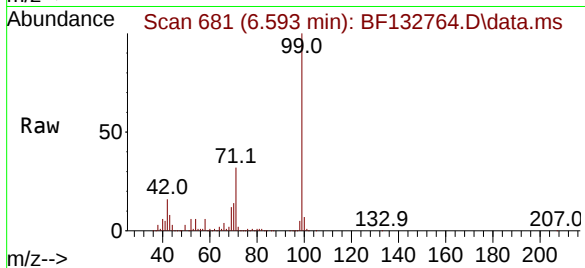




#7
Phenol-d6
Concen: 29.439 ng
RT: 6.593 min Scan# 61
Delta R.T. -0.018 min
Lab File: BF132764.D
Acq: 13 Mar 2023 17:16

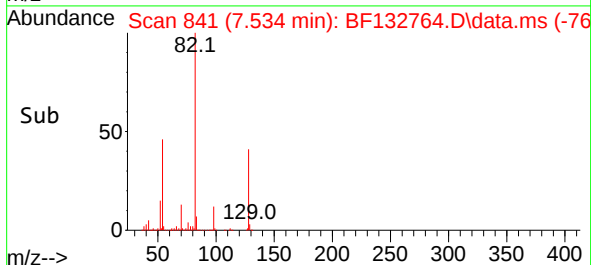
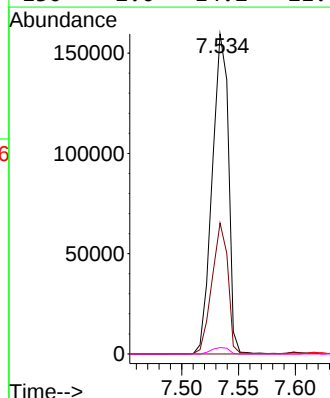
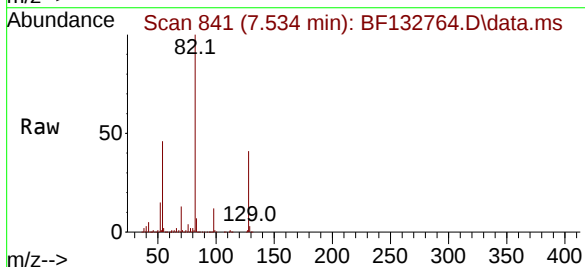
Instrument :
BNA_F
ClientSampleId :
RAW-WATER

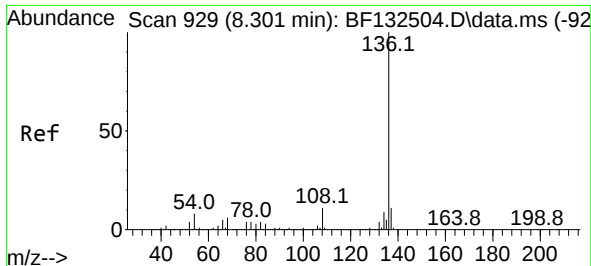
Tgt Ion: 99 Resp: 496274
Ion Ratio Lower Upper
99 100
42 15.6 13.9 20.9
71 31.8 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.318 ng
RT: 7.534 min Scan# 841
Delta R.T. 0.147 min
Lab File: BF132764.D
Acq: 13 Mar 2023 17:16

Tgt Ion: 70 Resp: 158918
Ion Ratio Lower Upper
70 100
42 40.9 44.1 66.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#



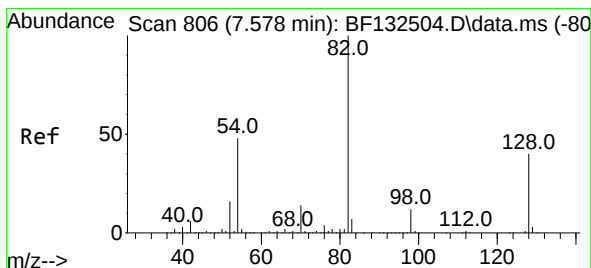
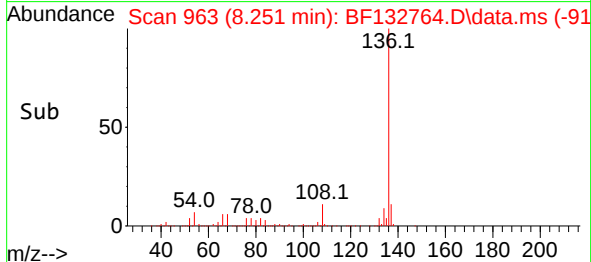
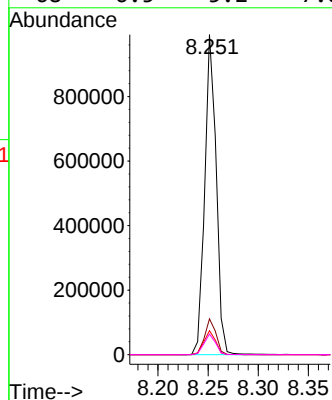
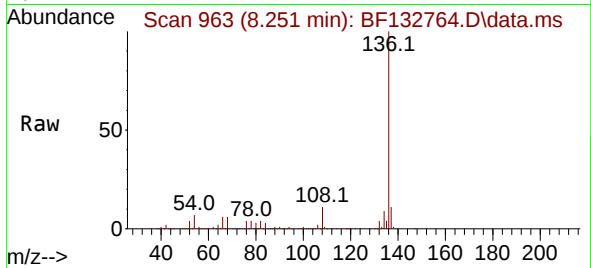


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF132764.D
Acq: 13 Mar 2023 17:16

Instrument :
BNA_F
ClientSampleId :
RAW-WATER

Tgt Ion:136 Resp: 794478

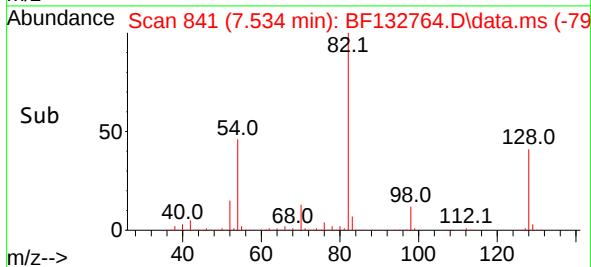
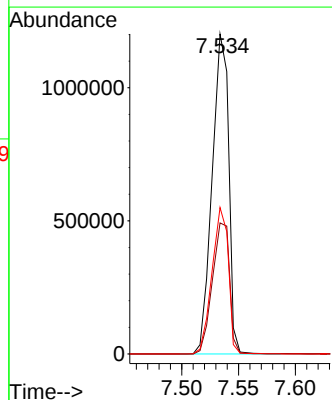
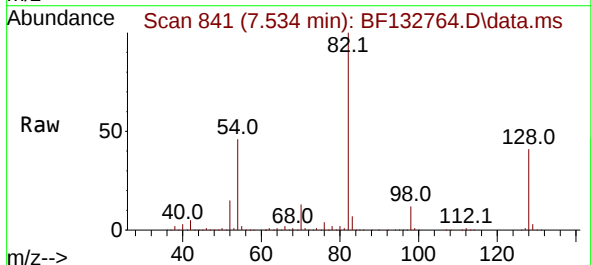
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.5	6.2	9.4
68	6.5	5.2	7.8

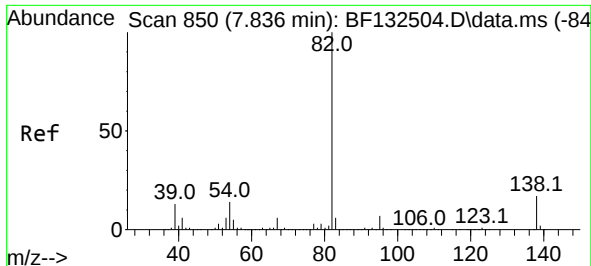


#23
Nitrobenzene-d5
Concen: 72.732 ng
RT: 7.534 min Scan# 841
Delta R.T. -0.012 min
Lab File: BF132764.D
Acq: 13 Mar 2023 17:16

Tgt Ion: 82 Resp: 1217934

Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.2	48.2
54	45.8	38.4	57.6

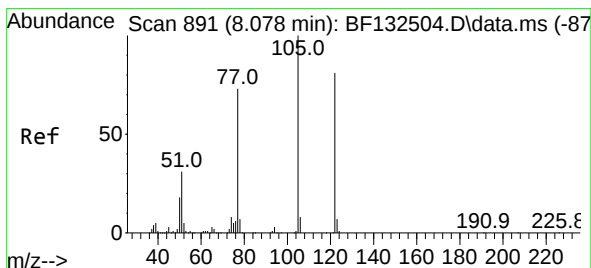
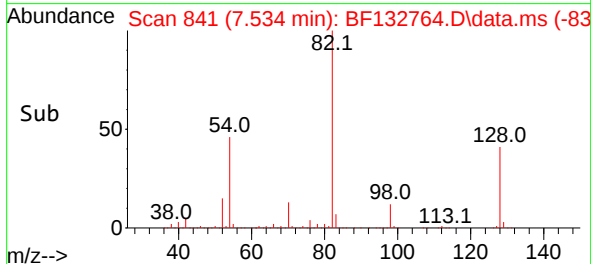
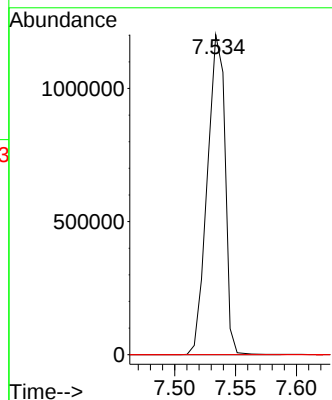
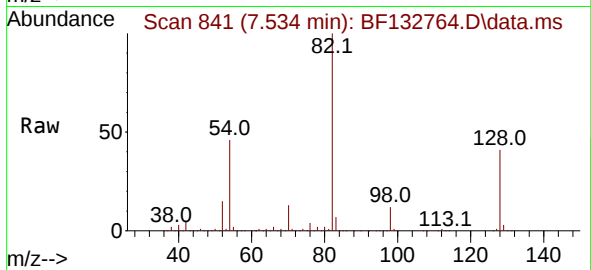




#25
Isophorone
Concen: 37.936 ng
RT: 7.534 min Scan# 84
Delta R.T. -0.265 min
Lab File: BF132764.D
Acq: 13 Mar 2023 17:16

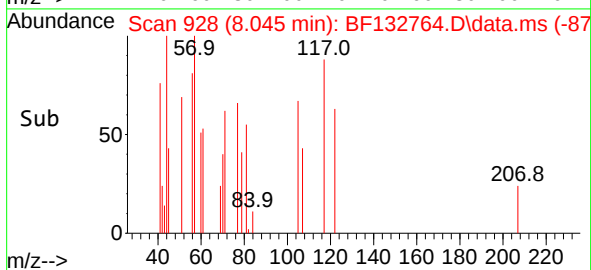
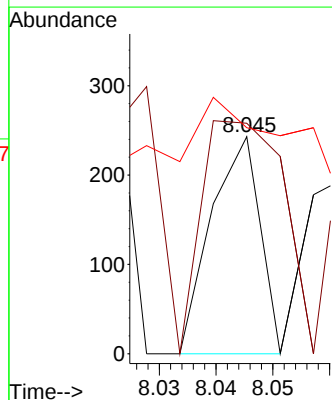
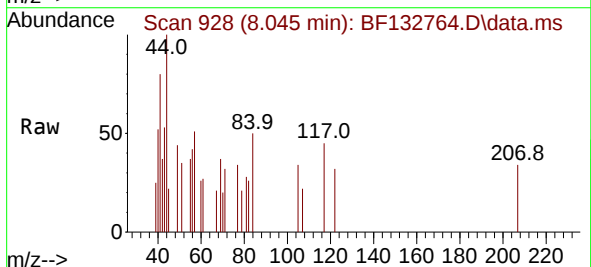
Instrument :
BNA_F
ClientSampleId :
RAW-WATER

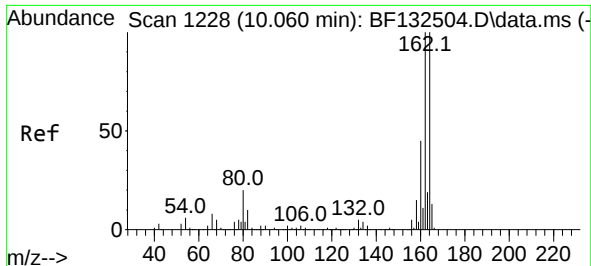
Tgt Ion: 82 Resp: 1217917
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.850 ng
RT: 8.045 min Scan# 928
Delta R.T. 0.006 min
Lab File: BF132764.D
Acq: 13 Mar 2023 17:16

Tgt Ion: 122 Resp: 145
Ion Ratio Lower Upper
122 100
105 106.2 102.6 142.6
77 104.1 70.2 110.2

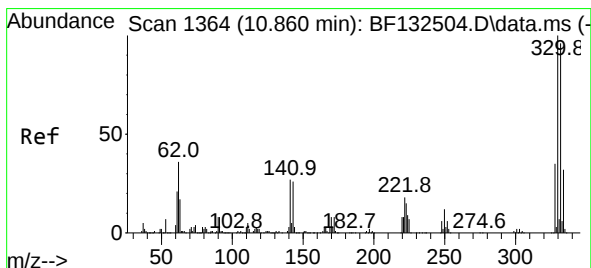
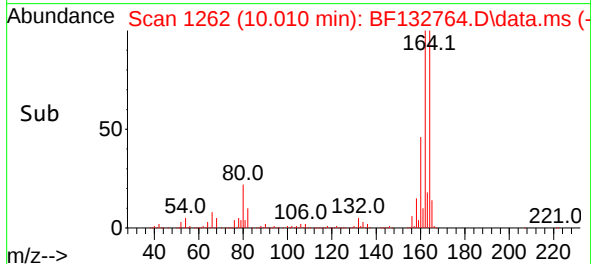
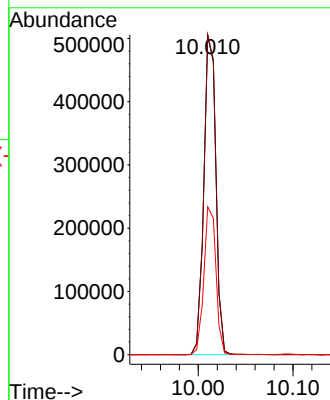
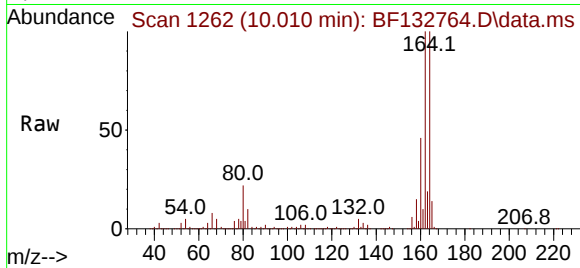




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132764.D
Acq: 13 Mar 2023 17:16

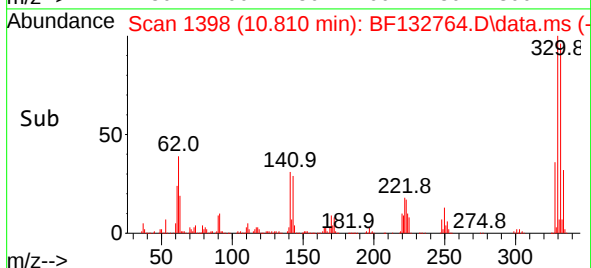
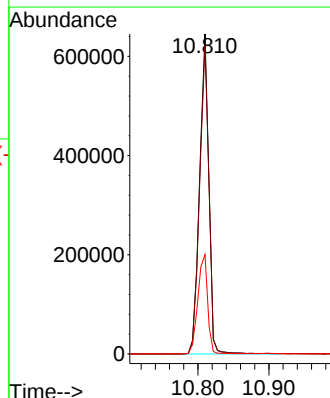
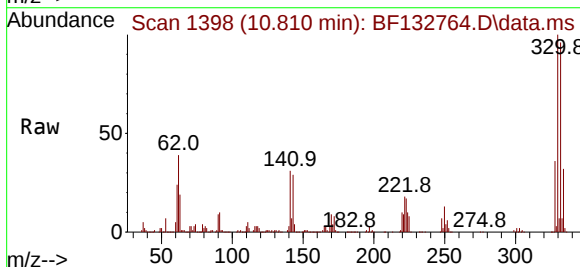
Instrument :
BNA_F
ClientSampleId :
RAW-WATER

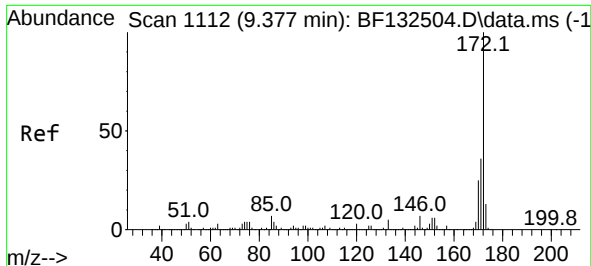
Tgt Ion:164 Resp: 445639
Ion Ratio Lower Upper
164 100
162 100.4 79.8 119.8
160 46.4 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 122.419 ng
RT: 10.810 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF132764.D
Acq: 13 Mar 2023 17:16

Tgt Ion:330 Resp: 589166
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 32.7 28.4 42.6

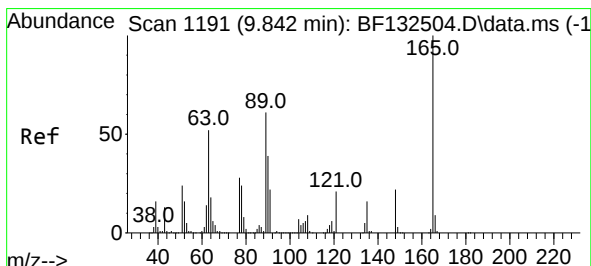
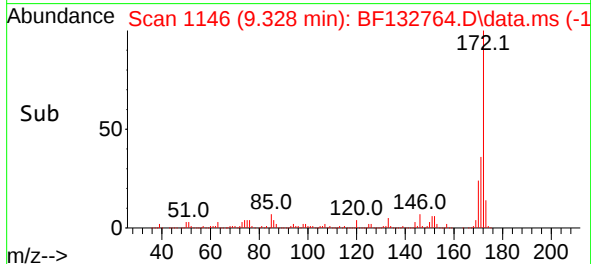
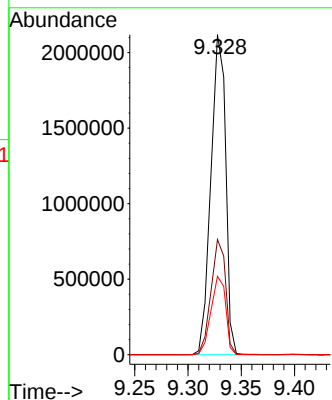
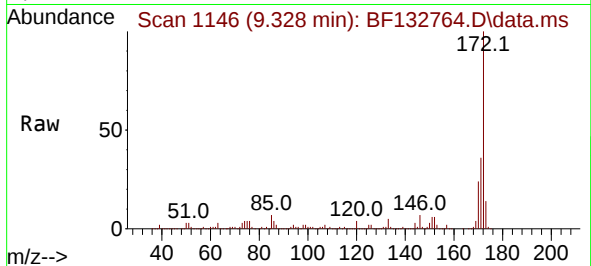




#45
2-Fluorobiphenyl
Concen: 69.859 ng
RT: 9.328 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF132764.D
Acq: 13 Mar 2023 17:16

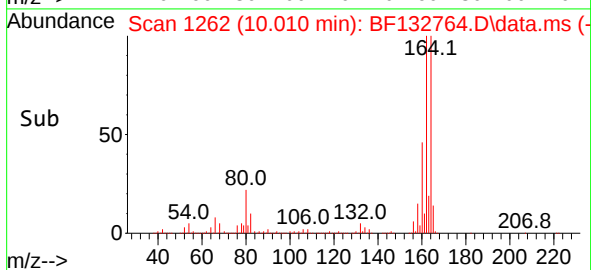
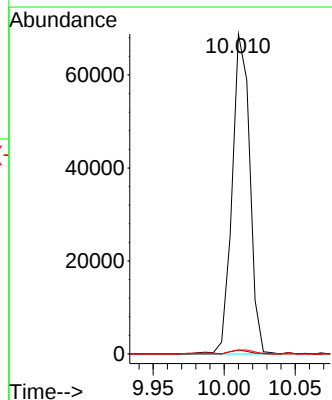
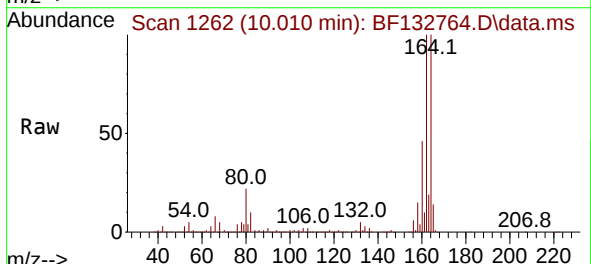
Instrument :
BNA_F
ClientSampleId :
RAW-WATER

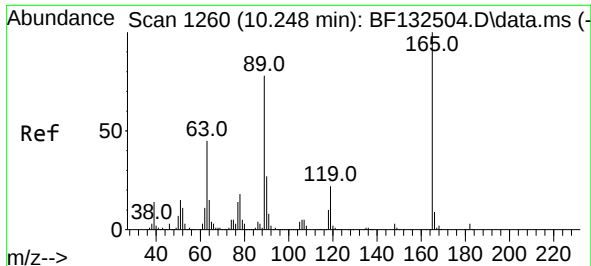
Tgt Ion:172 Resp: 2044582
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 24.5 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 8.064 ng
RT: 10.010 min Scan# 1262
Delta R.T. 0.206 min
Lab File: BF132764.D
Acq: 13 Mar 2023 17:16

Tgt Ion:165 Resp: 59591
Ion Ratio Lower Upper
165 100
63 1.3 47.3 70.9#
89 1.2 48.9 73.3#

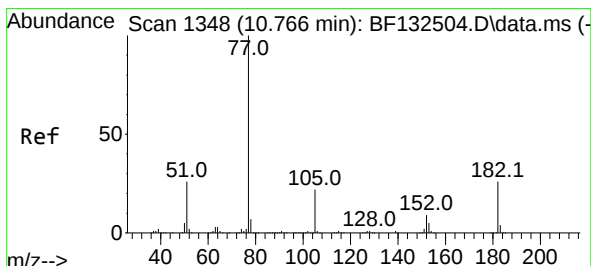
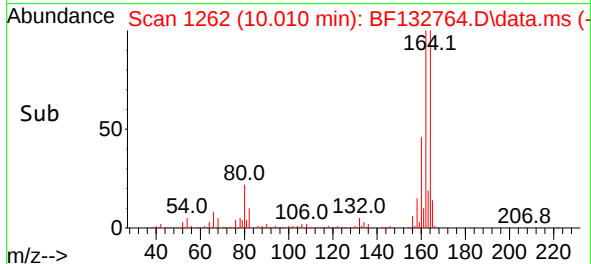
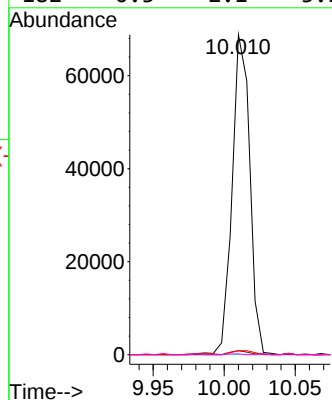
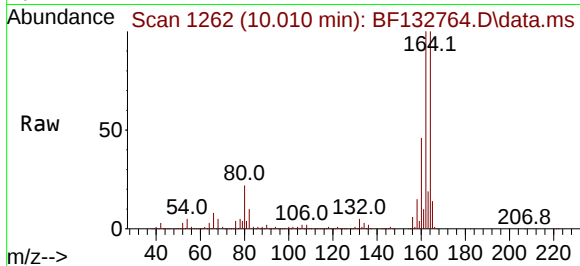




#57
2,4-Dinitrotoluene
Concen: 6.061 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF132764.D
Acq: 13 Mar 2023 17:16

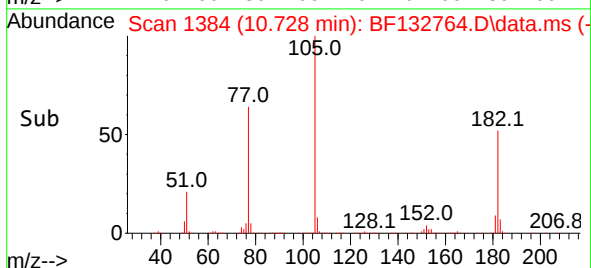
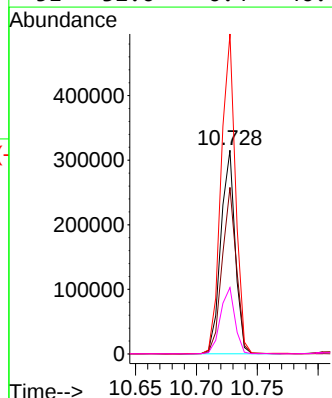
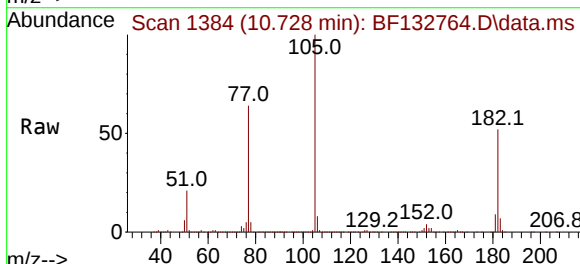
Instrument :
BNA_F
ClientSampleId :
RAW-WATER

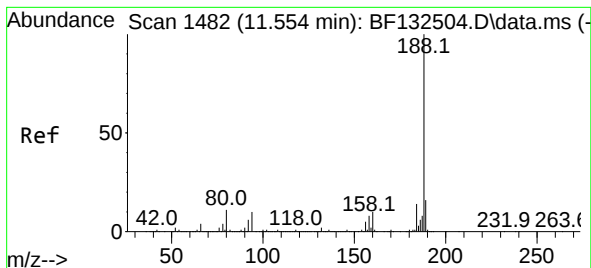
Tgt Ion:165 Resp: 59591
Ion Ratio Lower Upper
165 100
63 1.3 36.5 54.7#
89 1.2 62.4 93.6#
182 0.3 2.1 3.1#



#63
Azobenzene
Concen: 7.714 ng
RT: 10.728 min Scan# 1384
Delta R.T. 0.006 min
Lab File: BF132764.D
Acq: 13 Mar 2023 17:16

Tgt Ion: 77 Resp: 258885
Ion Ratio Lower Upper
77 100
182 81.8 5.5 45.5#
105 157.1 1.8 41.8#
51 32.6 6.4 46.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.504 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132764.D

Acq: 13 Mar 2023 17:16

Instrument :

BNA_F

ClientSampleId :

RAW-WATER

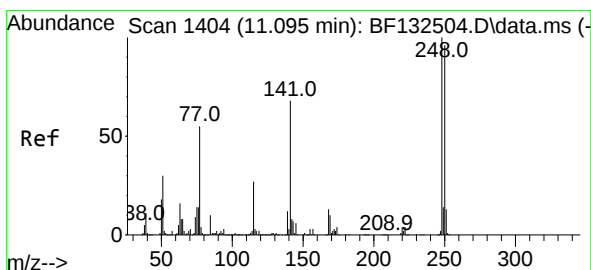
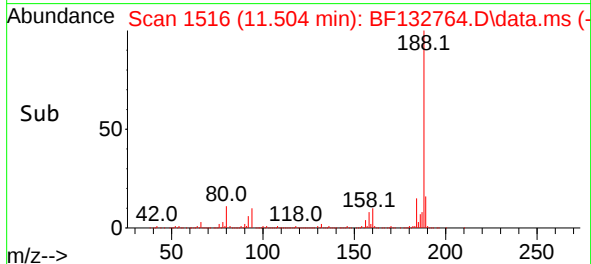
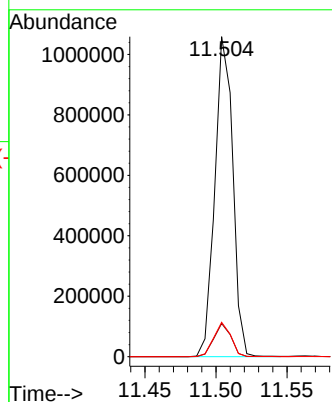
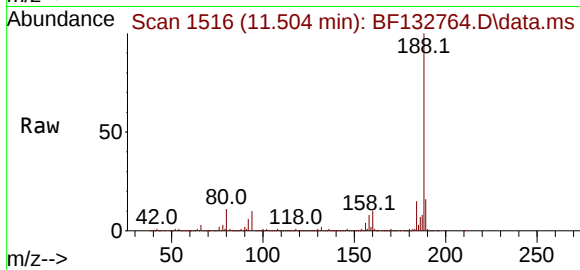
Tgt Ion:188 Resp: 929109

Ion Ratio Lower Upper

188 100

94 10.4 8.3 12.5

80 10.7 8.7 13.1



#67

4-Bromophenyl-phenylether

Concen: 3.642 ng

RT: 10.810 min Scan# 1398

Delta R.T. -0.241 min

Lab File: BF132764.D

Acq: 13 Mar 2023 17:16

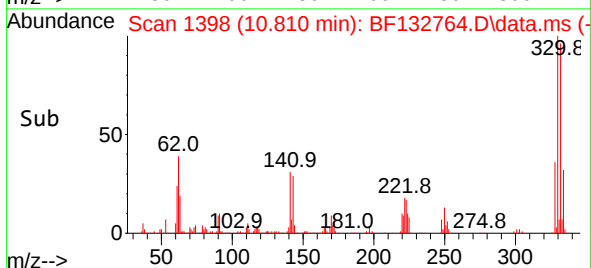
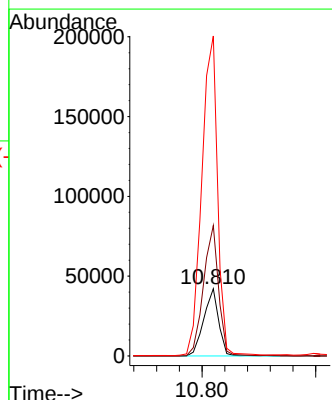
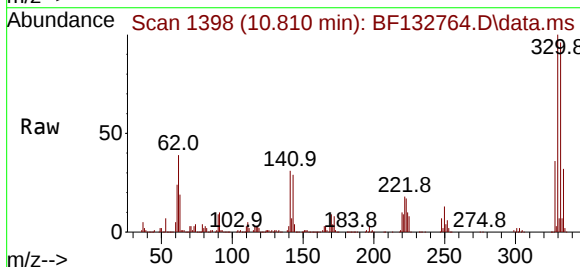
Tgt Ion:248 Resp: 38279

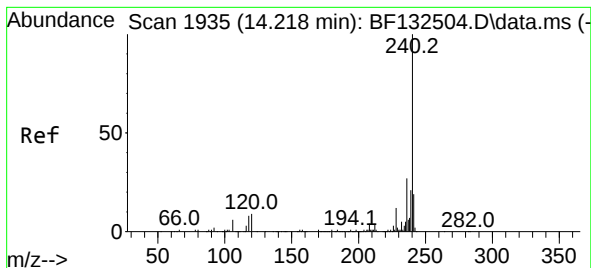
Ion Ratio Lower Upper

248 100

250 194.1 77.0 115.4#

141 476.6 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.157 min Scan# 1935

Delta R.T. -0.012 min

Lab File: BF132764.D

Acq: 13 Mar 2023 17:16

Instrument :

BNA_F

ClientSampleId :

RAW-WATER

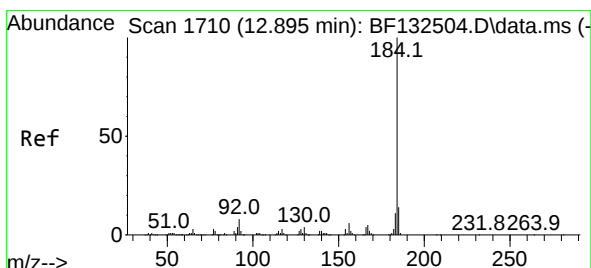
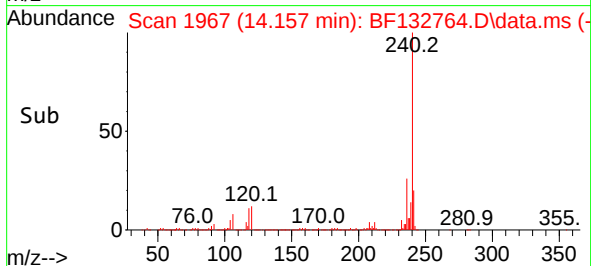
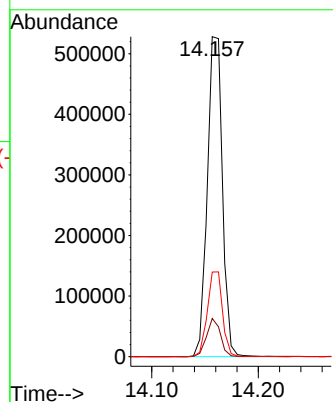
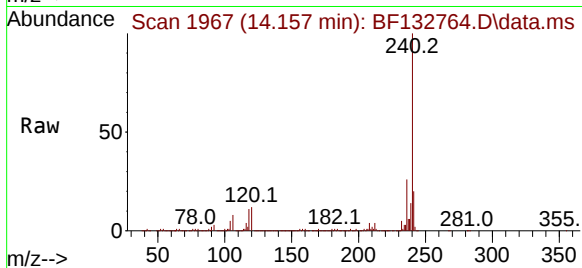
Tgt Ion:240 Resp: 522913

Ion Ratio Lower Upper

240 100

120 12.0 7.2 10.8#

236 26.4 21.8 32.6



#77

Benzidine

Concen: 3.341 ng

RT: 13.098 min Scan# 1787

Delta R.T. 0.247 min

Lab File: BF132764.D

Acq: 13 Mar 2023 17:16

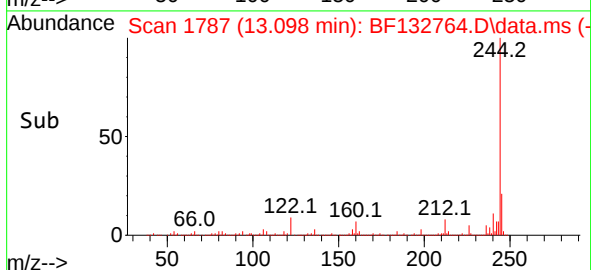
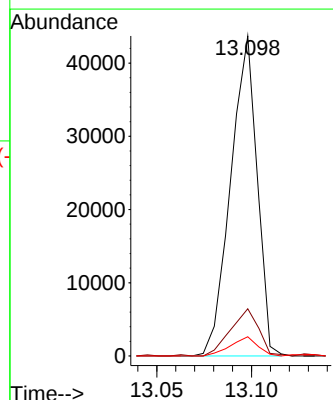
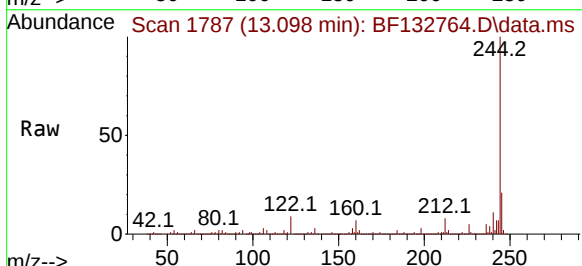
Tgt Ion:184 Resp: 42533

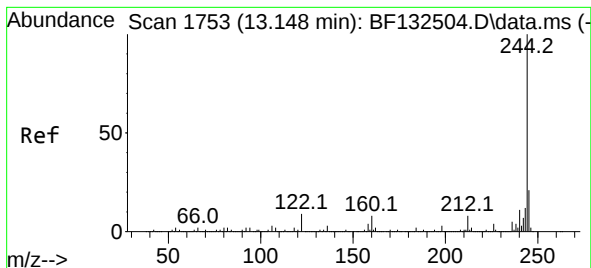
Ion Ratio Lower Upper

184 100

185 14.7 11.7 17.5

183 6.0 8.7 13.1#





#79

Terphenyl-d14

Concen: 93.977 ng

RT: 13.098 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132764.D

Acq: 13 Mar 2023 17:16

Instrument :

BNA_F

ClientSampleId :

RAW-WATER

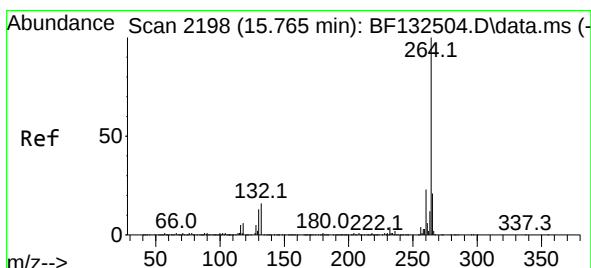
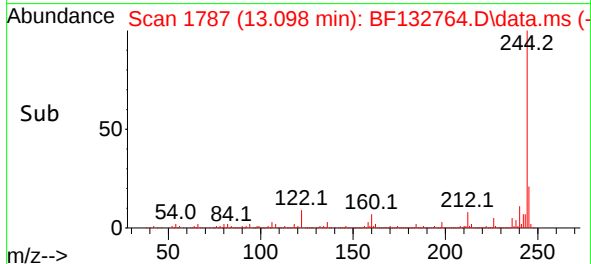
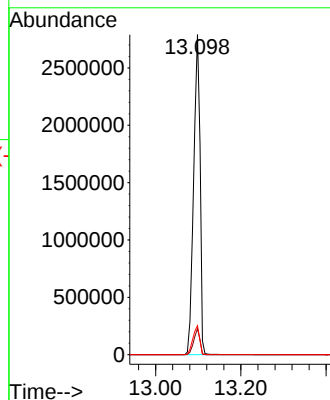
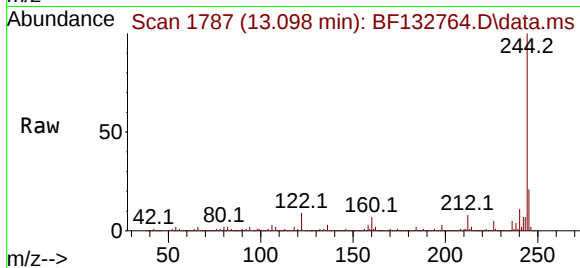
Tgt Ion:244 Resp: 2906507

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

122 9.0 7.5 11.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.692 min Scan# 2228

Delta R.T. -0.006 min

Lab File: BF132764.D

Acq: 13 Mar 2023 17:16

Tgt Ion:264 Resp: 480259

Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

265 22.1 17.1 25.7

