

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021422\
 Data File : BF126880.D
 Acq On : 14 Feb 2022 19:30
 Operator : CG\JU
 Sample : N1513-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20220070-102-21-SITE-WATER

Quant Time: Feb 15 01:02:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 10 00:44:00 2022
 Response via : Initial Calibration

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

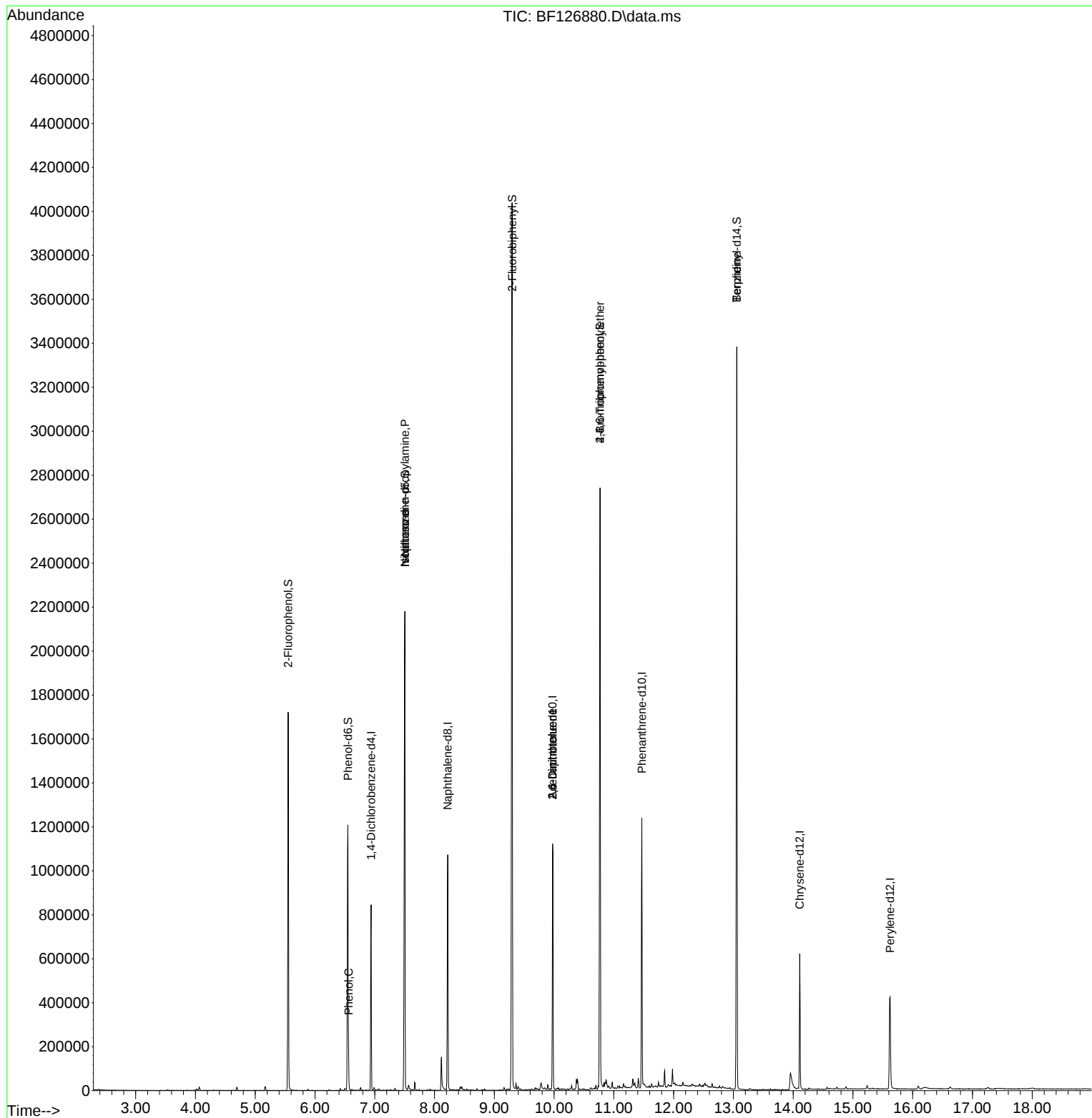
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	107856	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	433236	20.000	ng	0.00
39) Acenaphthene-d10	9.975	164	228100	20.000	ng	-0.01
64) Phenanthrene-d10	11.469	188	396488	20.000	ng	0.00
76) Chrysene-d12	14.110	240	184276	20.000	ng	-0.01
86) Perylene-d12	15.621	264	192339	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	398644	56.907	ng	0.00
7) Phenol-d6	6.551	99	373996	39.547	ng	-0.01
23) Nitrobenzene-d5	7.504	82	755628	80.475	ng	0.00
42) 2,4,6-Tribromophenol	10.769	330	292272	119.519	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	1190282	78.550	ng	0.00
79) Terphenyl-d14	13.057	244	1063613	82.744	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.563	94	29932	3.140	ng	97
19) n-Nitroso-di-n-propyla...	7.504	70	101390	16.930	ng	# 76
25) Isophorone	7.504	82	755616	48.033	ng	# 68
51) 2,6-Dinitrotoluene	9.975	165	28745	8.796	ng	# 21
57) 2,4-Dinitrotoluene	9.975	165	28745	6.653	ng	# 16
67) 4-Bromophenyl-phenylether	10.769	248	17449	4.050	ng	# 1
77) Benzidine	13.057	184	16261	3.354	ng	# 96

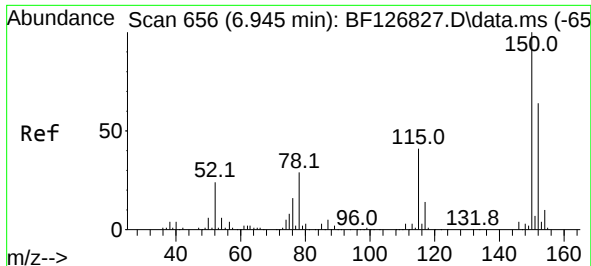
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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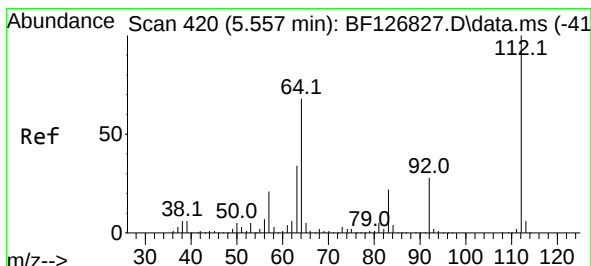
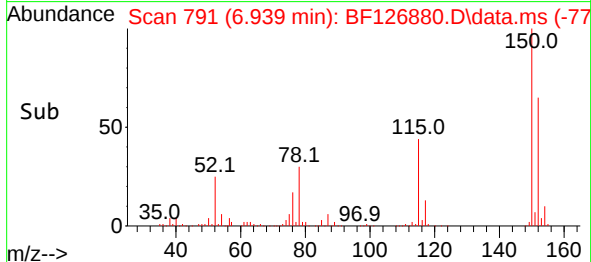
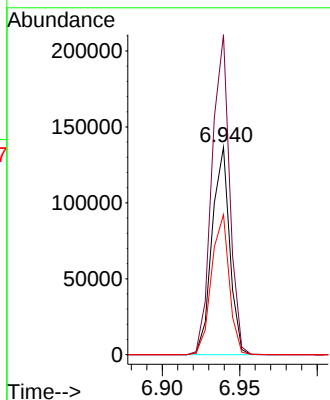
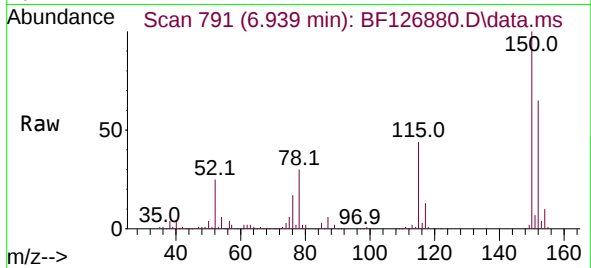




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF126880.D
Acq: 14 Feb 2022 19:30

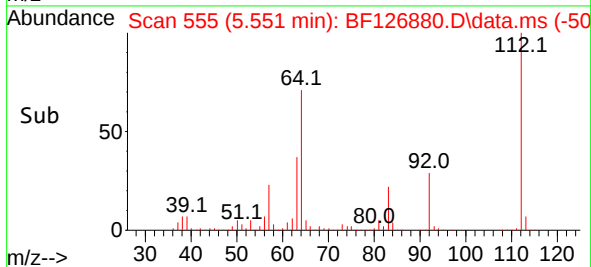
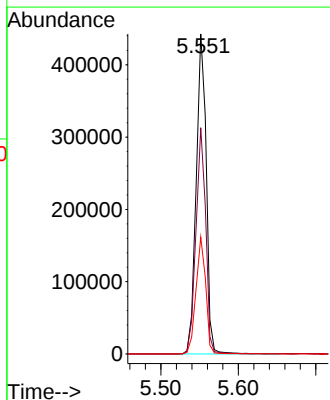
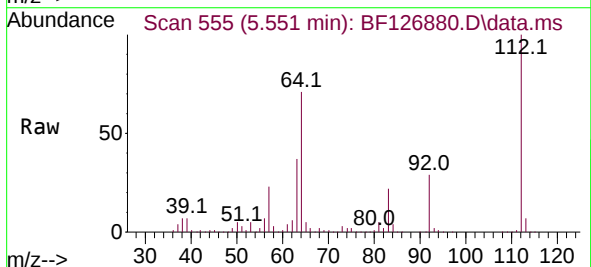
Instrument :
BNA_F
ClientSampleId :
20220070-102-21-SITE-WATER

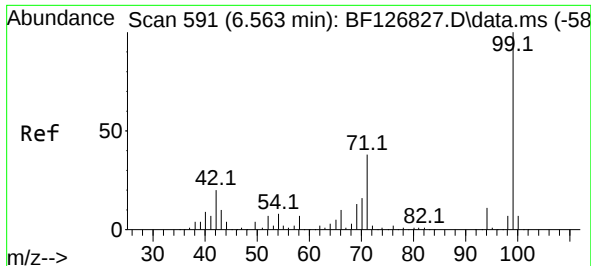
Tgt Ion:152 Resp: 107856
Ion Ratio Lower Upper
152 100
150 154.2 124.3 186.5
115 67.5 50.5 75.7



#5
2-Fluorophenol
Concen: 56.907 ng
RT: 5.551 min Scan# 555
Delta R.T. -0.006 min
Lab File: BF126880.D
Acq: 14 Feb 2022 19:30

Tgt Ion:112 Resp: 398644
Ion Ratio Lower Upper
112 100
64 70.7 54.3 81.5
63 36.6 27.5 41.3

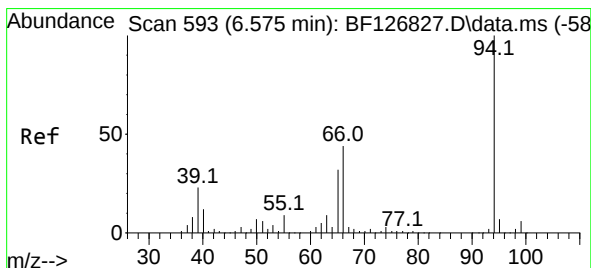
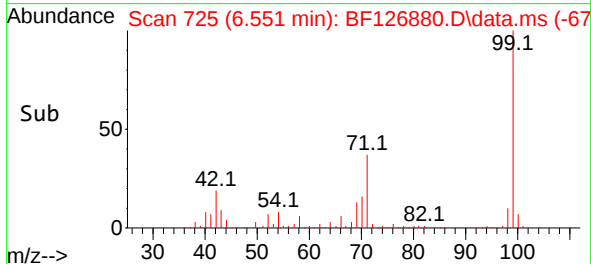
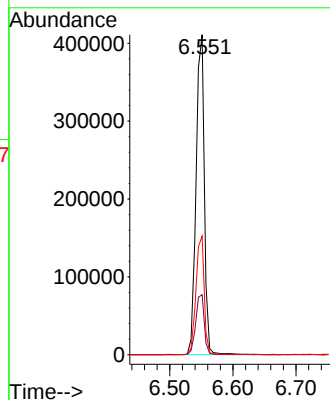
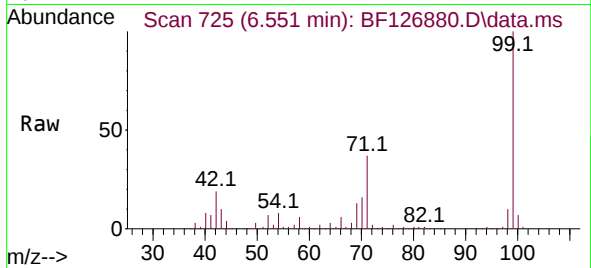




#7
Phenol-d6
Concen: 39.547 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126880.D
Acq: 14 Feb 2022 19:30

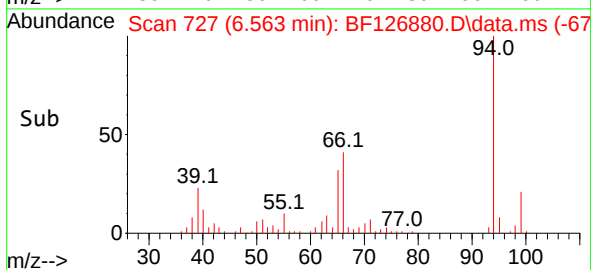
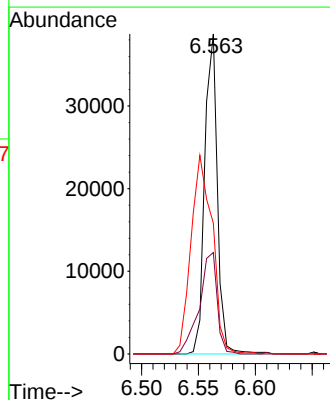
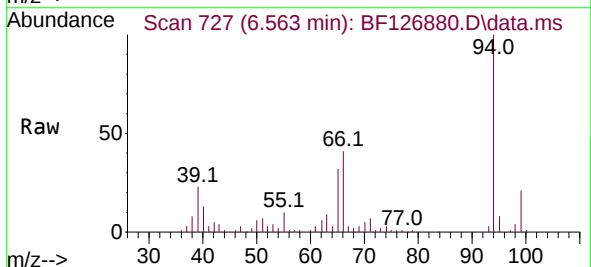
Instrument :
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ClientSampleId :
20220070-102-21-SITE-WATER

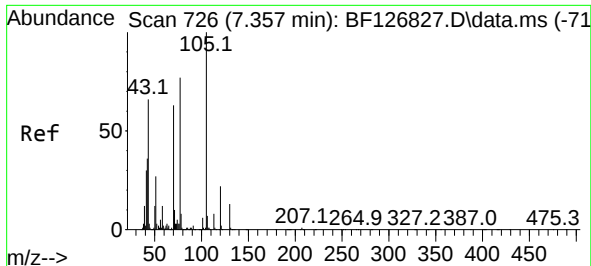
Tgt Ion: 99 Resp: 373996
Ion Ratio Lower Upper
99 100
42 18.7 15.8 23.6
71 37.1 30.6 45.8



#10
Phenol
Concen: 3.140 ng
RT: 6.563 min Scan# 727
Delta R.T. -0.012 min
Lab File: BF126880.D
Acq: 14 Feb 2022 19:30

Tgt Ion: 94 Resp: 29932
Ion Ratio Lower Upper
94 100
65 31.7 12.1 52.1
66 40.9 23.6 63.6

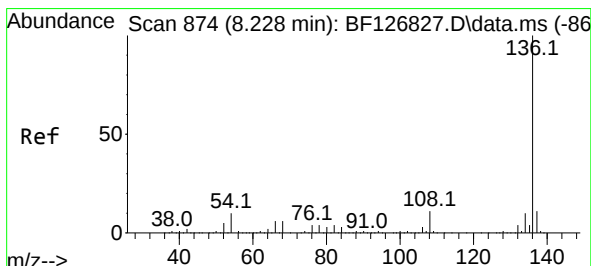
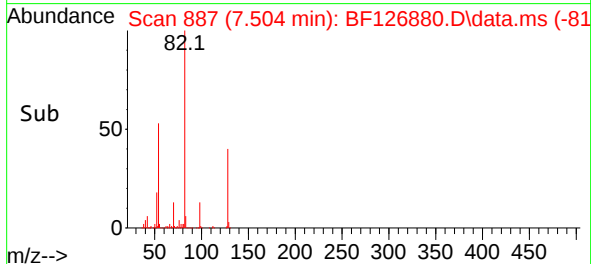
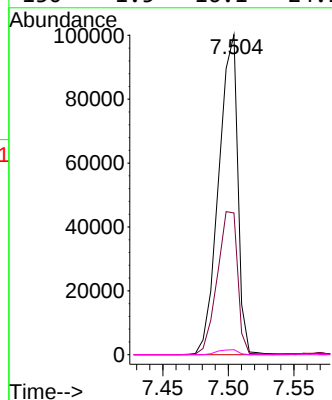
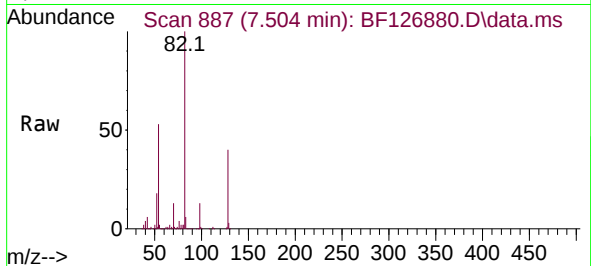




#19
n-Nitroso-di-n-propylamine
Concen: 16.930 ng
RT: 7.504 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF126880.D
Acq: 14 Feb 2022 19:30

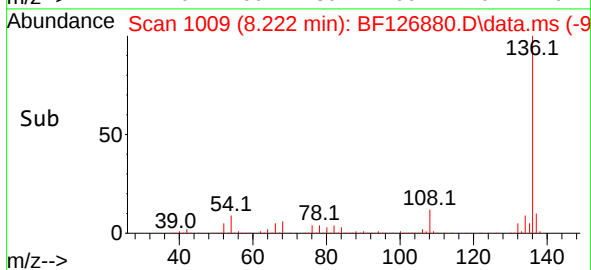
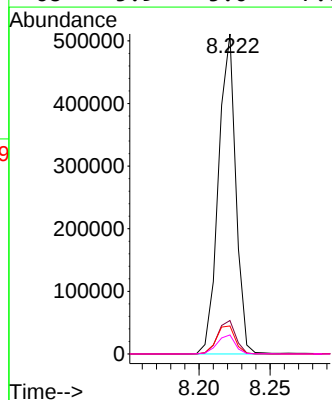
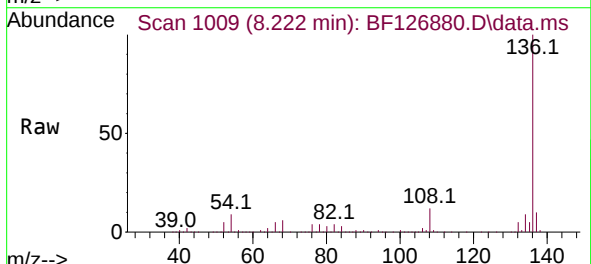
Instrument :
BNA_F
ClientSampleId :
20220070-102-21-SITE-WATER

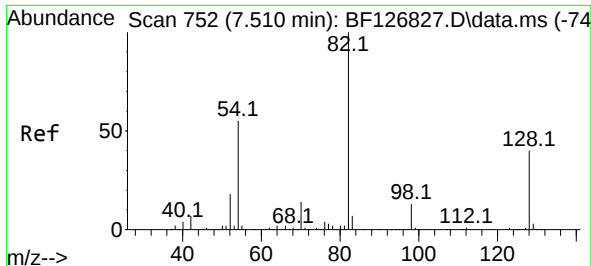
Tgt Ion: 70 Resp: 101390
Ion Ratio Lower Upper
70 100
42 44.3 46.3 69.5#
101 0.0 7.5 11.3#
130 1.5 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF126880.D
Acq: 14 Feb 2022 19:30

Tgt Ion:136 Resp: 433236
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 8.7 8.0 12.0
68 5.9 5.0 7.6





#23

Nitrobenzene-d5

Concen: 80.475 ng

RT: 7.504 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF126880.D

Acq: 14 Feb 2022 19:30

Instrument :

BNA_F

ClientSampleId :

20220070-102-21-SITE-WATER

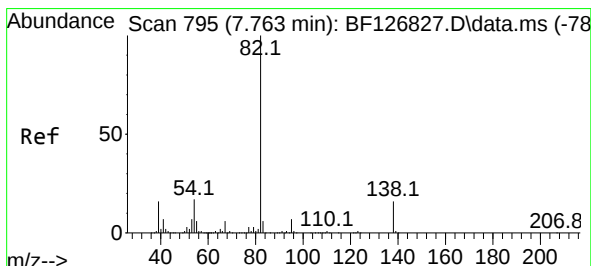
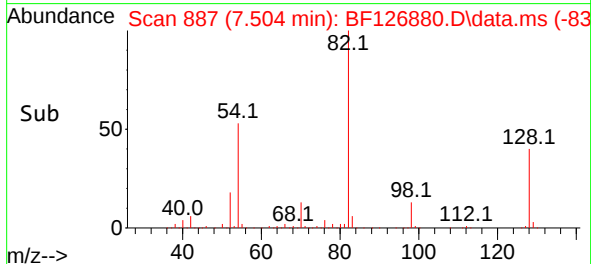
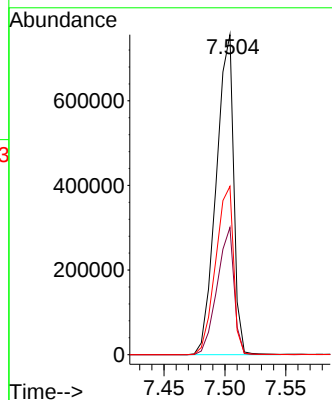
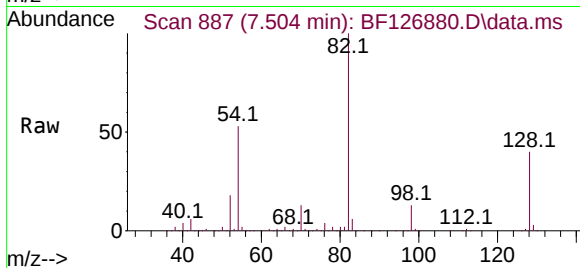
Tgt Ion: 82 Resp: 755628

Ion Ratio Lower Upper

82 100

128 39.8 31.6 47.4

54 52.6 43.7 65.5



#25

Isophorone

Concen: 48.033 ng

RT: 7.504 min Scan# 887

Delta R.T. -0.259 min

Lab File: BF126880.D

Acq: 14 Feb 2022 19:30

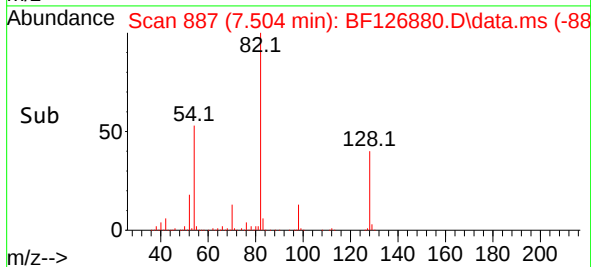
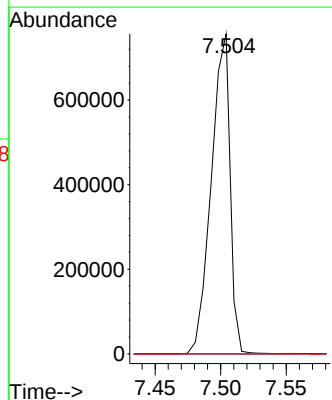
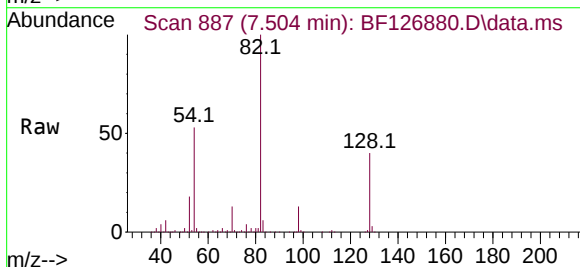
Tgt Ion: 82 Resp: 755616

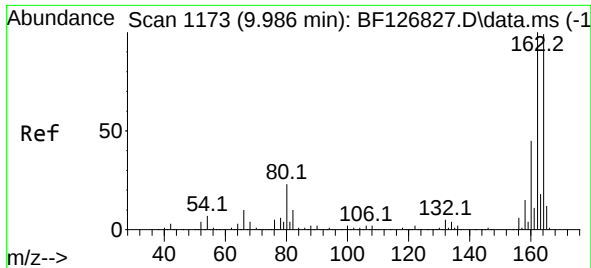
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 12.6 19.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.975 min Scan# 1173

Delta R.T. -0.011 min

Lab File: BF126880.D

Acq: 14 Feb 2022 19:30

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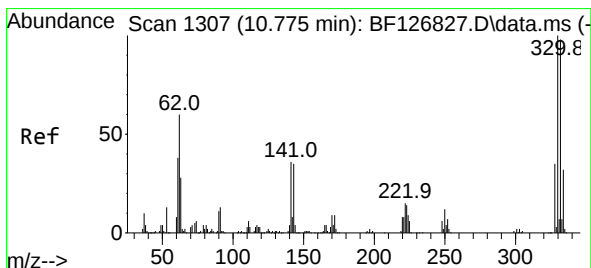
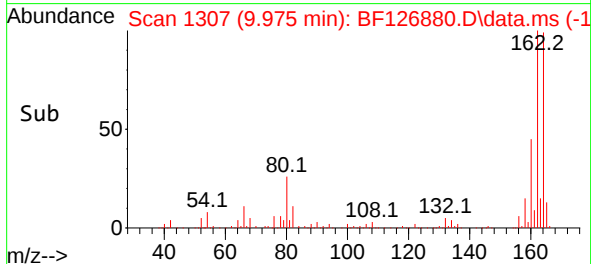
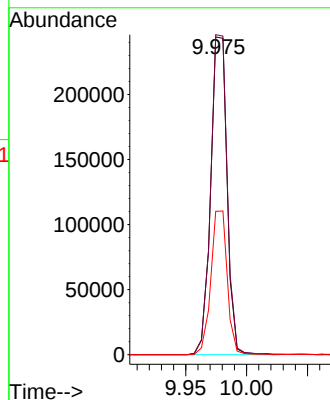
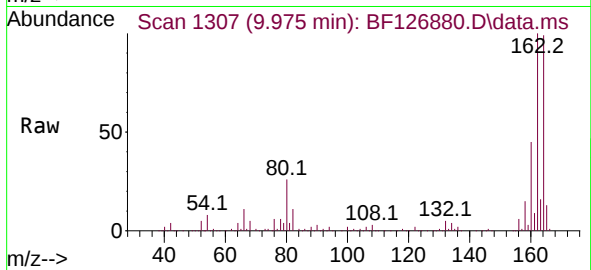
Tgt Ion:164 Resp: 228100

Ion Ratio Lower Upper

164 100

162 100.7 80.9 121.3

160 45.1 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 119.519 ng

RT: 10.769 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF126880.D

Acq: 14 Feb 2022 19:30

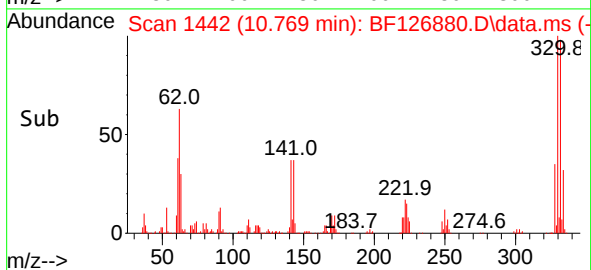
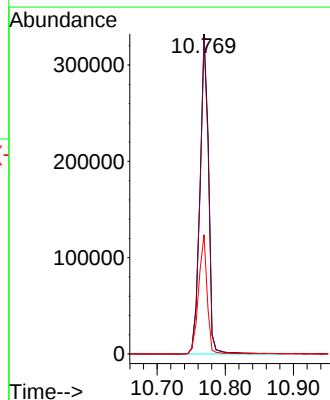
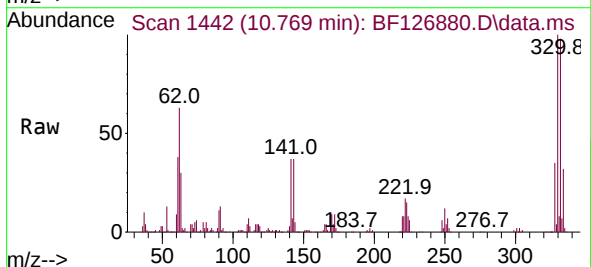
Tgt Ion:330 Resp: 292272

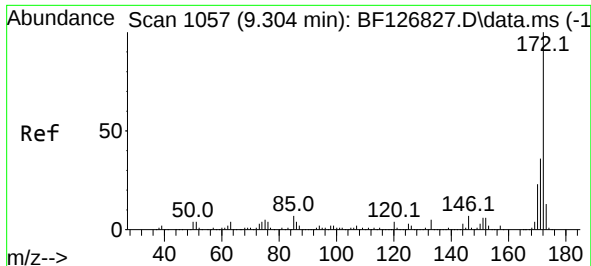
Ion Ratio Lower Upper

330 100

332 97.1 78.2 117.4

141 36.9 31.2 46.8





#45

2-Fluorobiphenyl

Concen: 78.550 ng

RT: 9.298 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF126880.D

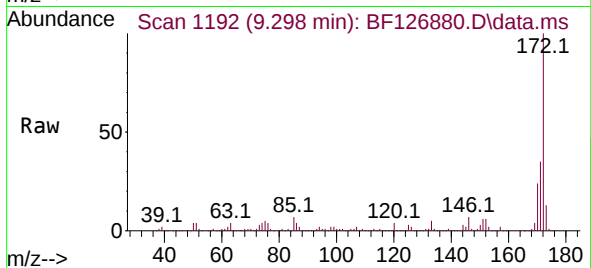
Acq: 14 Feb 2022 19:30

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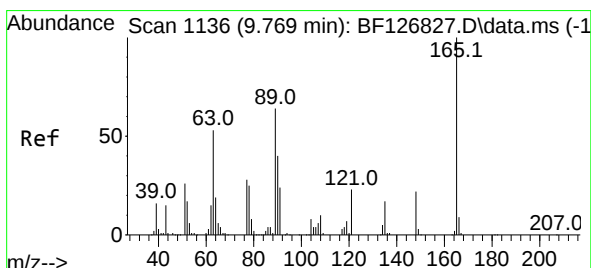
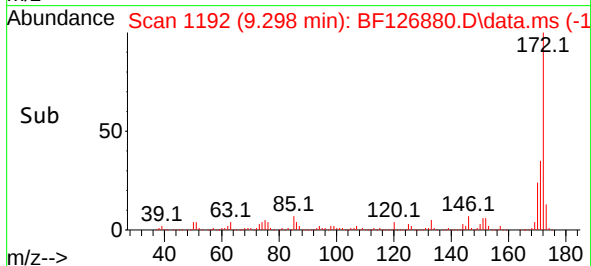
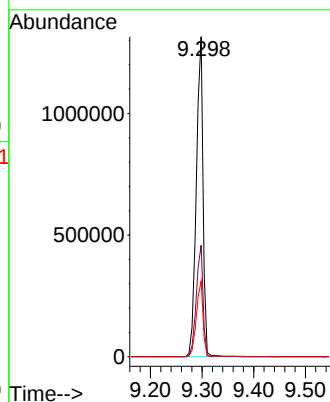
Tgt Ion:172 Resp: 1190282

Ion Ratio Lower Upper

172 100

171 34.9 28.5 42.7

170 23.7 18.7 28.1



#51

2,6-Dinitrotoluene

Concen: 8.796 ng

RT: 9.975 min Scan# 1307

Delta R.T. 0.206 min

Lab File: BF126880.D

Acq: 14 Feb 2022 19:30

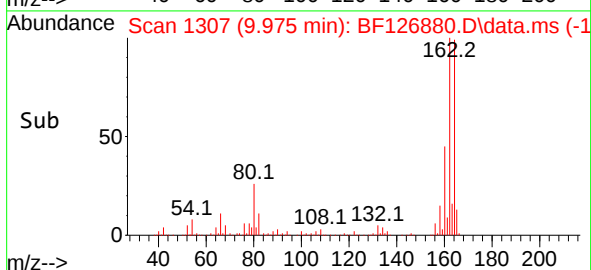
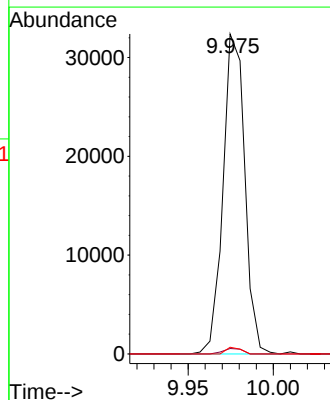
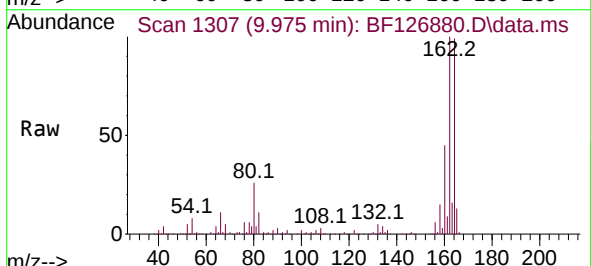
Tgt Ion:165 Resp: 28745

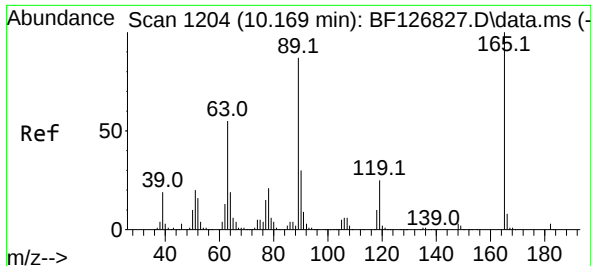
Ion Ratio Lower Upper

165 100

63 1.7 49.9 74.9#

89 2.1 51.0 76.4#

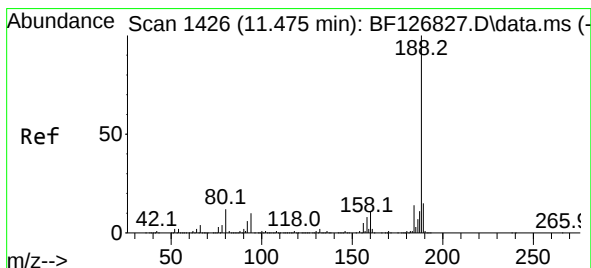
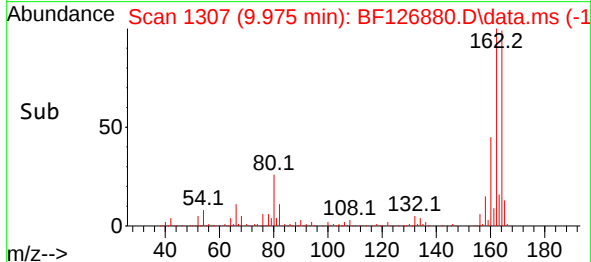
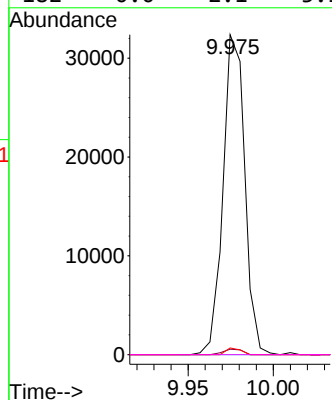
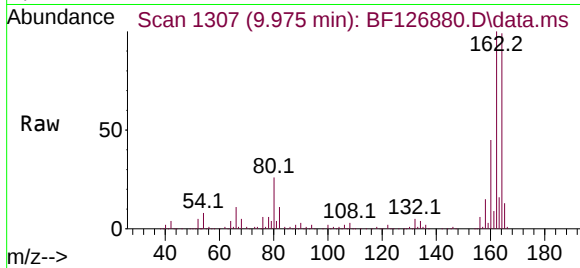




#57
2,4-Dinitrotoluene
Concen: 6.653 ng
RT: 9.975 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF126880.D
Acq: 14 Feb 2022 19:30

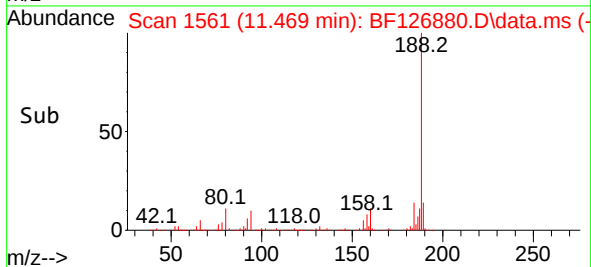
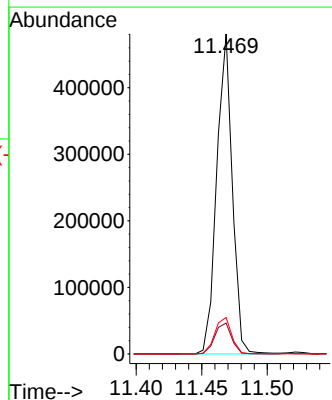
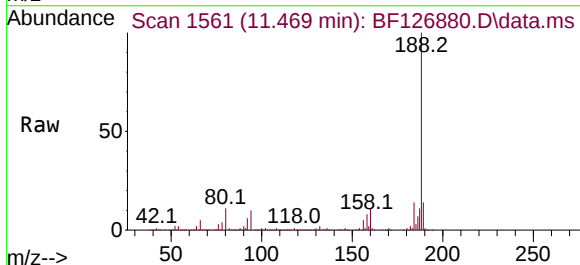
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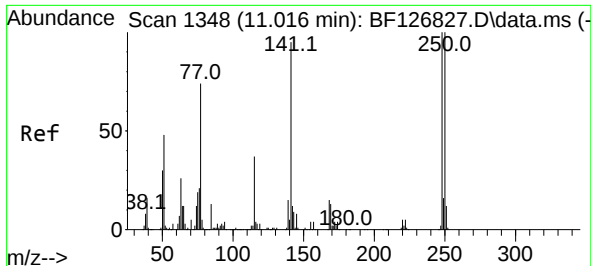
Tgt Ion:165	Resp:	28745
Ion Ratio	Lower	Upper
165	100	
63	1.7	43.9 65.9#
89	2.1	69.8 104.8#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.469 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF126880.D
Acq: 14 Feb 2022 19:30

Tgt Ion:188	Resp:	396488
Ion Ratio	Lower	Upper
188	100	
94	9.6	8.1 12.1
80	11.4	9.5 14.3





#67

4-Bromophenyl-phenylether

Concen: 4.050 ng

RT: 10.769 min Scan# 1442

Delta R.T. -0.247 min

Lab File: BF126880.D

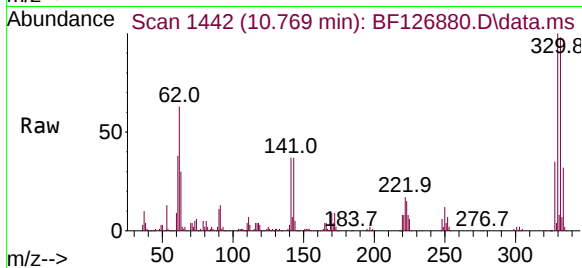
Acq: 14 Feb 2022 19:30

Instrument :

BNA_F

ClientSampleId :

20220070-102-21-SITE-WATER



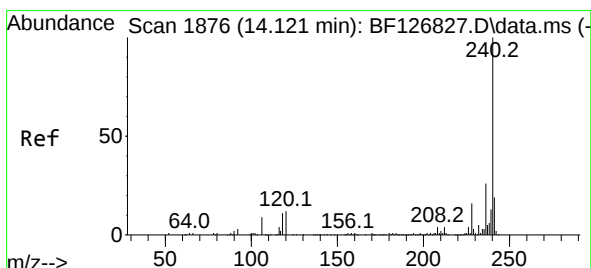
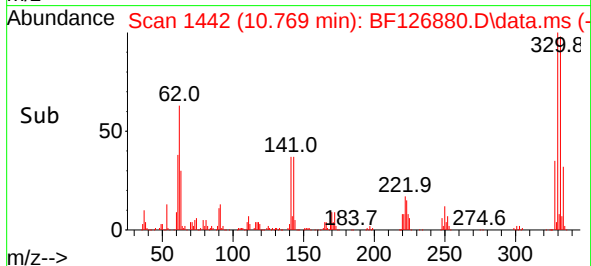
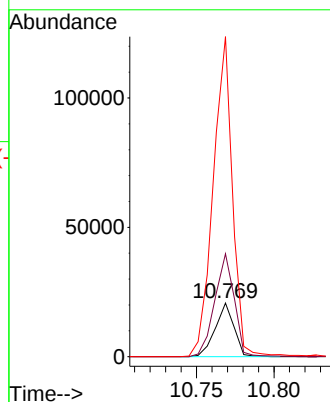
Tgt Ion:248 Resp: 17449

Ion Ratio Lower Upper

248 100

250 191.7 80.0 120.0#

141 596.4 75.6 113.4#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.110 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF126880.D

Acq: 14 Feb 2022 19:30

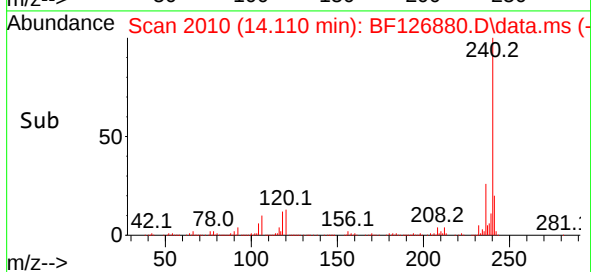
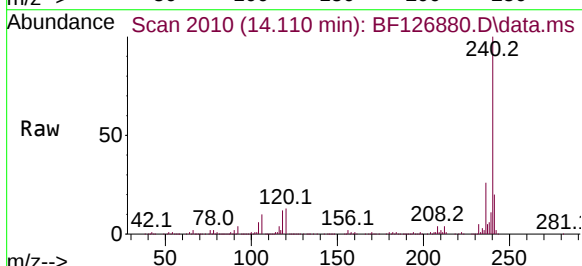
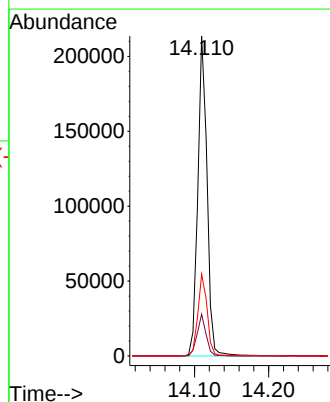
Tgt Ion:240 Resp: 184276

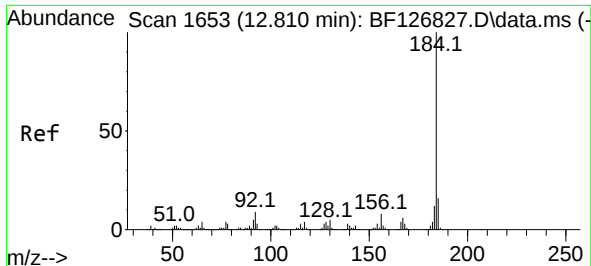
Ion Ratio Lower Upper

240 100

120 13.0 9.8 14.6

236 25.6 20.5 30.7

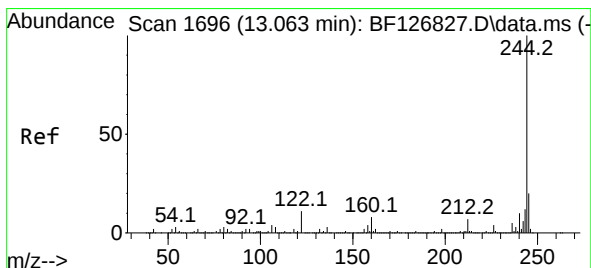
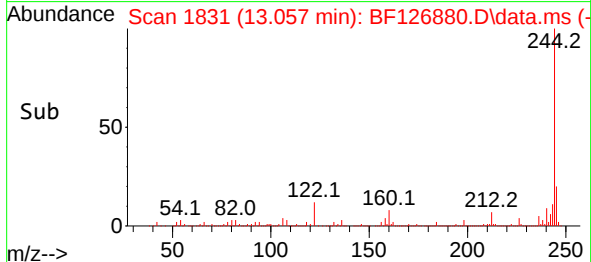
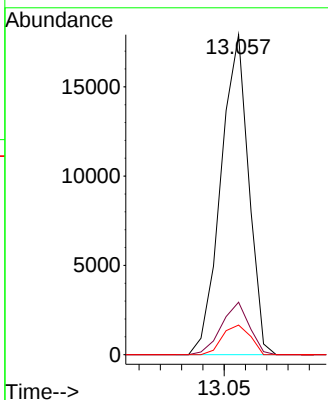
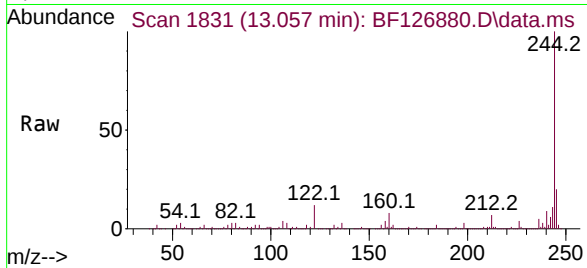




#77
Benzidine
Concen: 3.354 ng
RT: 13.057 min Scan# 1831
Delta R.T. 0.247 min
Lab File: BF126880.D
Acq: 14 Feb 2022 19:30

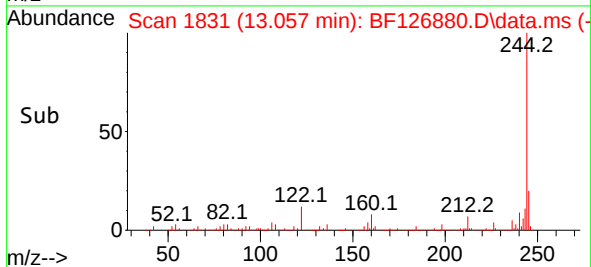
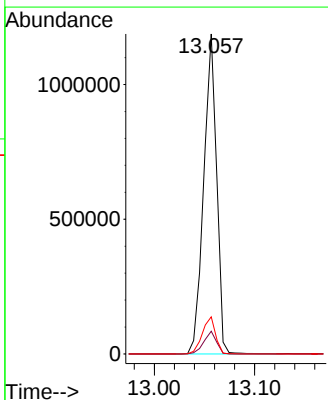
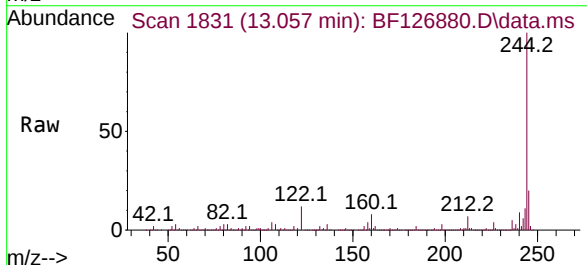
Instrument :
BNA_F
ClientSampleId :
20220070-102-21-SITE-WATER

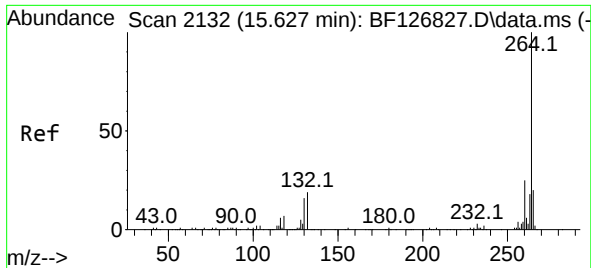
Tgt Ion:184 Resp: 16261
Ion Ratio Lower Upper
184 100
185 16.4 12.5 18.7
183 9.2 9.6 14.4#



#79
Terphenyl-d14
Concen: 82.744 ng
RT: 13.057 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF126880.D
Acq: 14 Feb 2022 19:30

Tgt Ion:244 Resp: 1063613
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 11.6 9.0 13.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126880.D
Acq: 14 Feb 2022 19:30

Instrument :
BNA_F
ClientSampleId :
20220070-102-21-SITE-WATER

Tgt Ion:264 Resp: 192339

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	20.5	15.9	23.9

