

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051123\
 Data File : BF133360.D
 Acq On : 11 May 2023 18:09
 Operator : CG\JU
 Sample : 02744--01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-OILYWATER

Quant Time: May 11 18:29:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

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

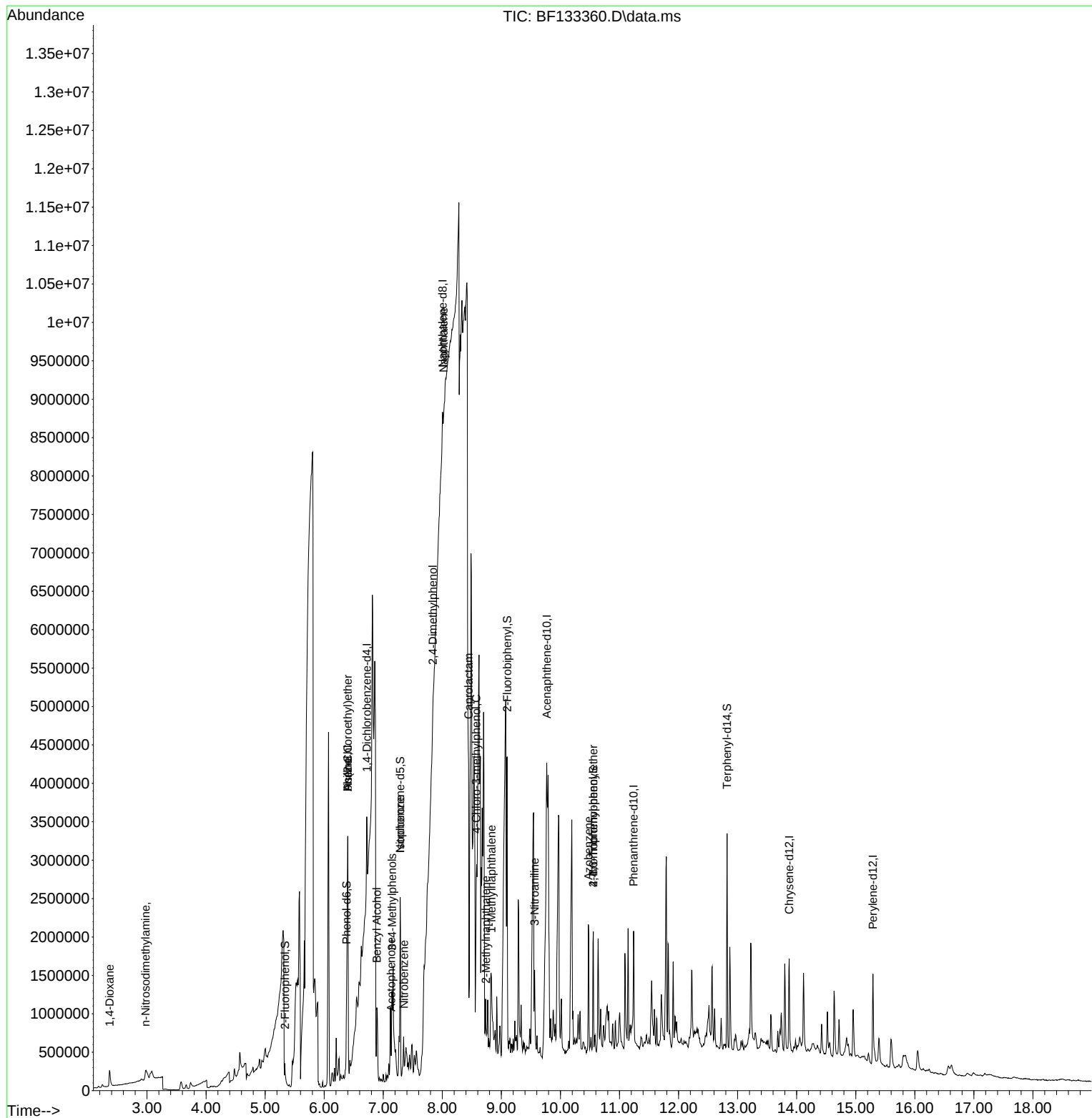
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	152275	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	321185	20.000	ng	# 0.00
39) Acenaphthene-d10	9.769	164	654494	20.000	ng	0.01
64) Phenanthrene-d10	11.239	188	475302	20.000	ng	0.00
76) Chrysene-d12	13.874	240	382087	20.000	ng	0.00
86) Perylene-d12	15.292	264	479140	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	82689	8.203	ng	0.01
7) Phenol-d6	6.381	99	507490	40.561	ng	0.01
23) Nitrobenzene-d5	7.287	82	702867	118.121	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	180679	27.450	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1300917	33.254	ng	0.01
79) Terphenyl-d14	12.821	244	891022	40.219	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.369	88	14666	3.137	ng	# 1
4) n-Nitrosodimethylamine	2.975	42	28587	4.444	ng	# 1
6) Aniline	6.398	93	70113	4.351	ng	# 1
9) Benzaldehyde	6.275	77	4724	Below Cal		# 1
10) Phenol	6.398	94	1112885	80.627	ng	97
11) bis(2-Chloroethyl)ether	6.398	93	70113	6.769	ng	# 1
15) Benzyl Alcohol	6.892	79	191420	22.148	ng	99
20) 3+4-Methylphenols	7.151	107	303677	27.515	ng	# 56
22) Acetophenone	7.134	105	53622	7.207	ng	# 95
24) Nitrobenzene	7.351	77	27672	4.589	ng	# 45
25) Isophorone	7.287	82	702460	62.177	ng	# 63
27) 2,4-Dimethylphenol	7.839	122	11203	2.246	ng	88
31) Naphthalene	8.022	128	49603	3.089	ng	# 66
35) Caprolactam	8.445	113	5007	3.283	ng	# 1
36) 4-Chloro-3-methylphenol	8.575	107	21798	4.453	ng	# 28
37) 2-Methylnaphthalene	8.739	142	63978	5.828	ng	93
38) 1-Methylnaphthalene	8.833	142	44622	4.345	ng	100
53) 3-Nitroaniline	9.563	138	144813	11.857	ng	# 7
63) Azobenzene	10.475	77	289361	6.337	ng	# 1
67) 4-Bromophenyl-phenylether	10.557	248	12353	2.396	ng	# 1

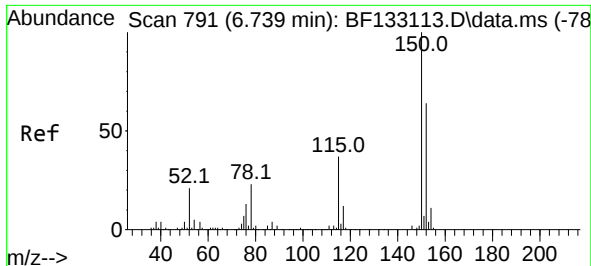
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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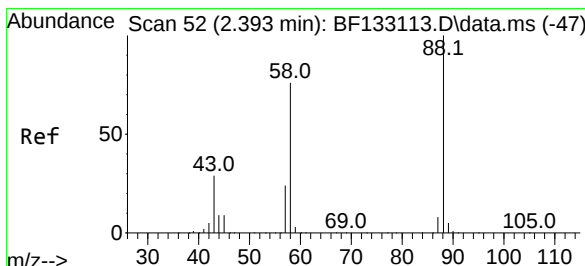
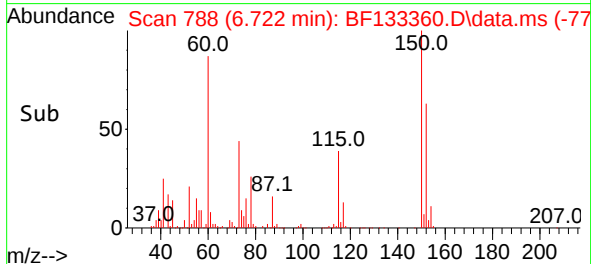
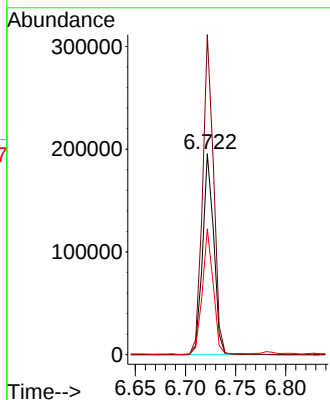
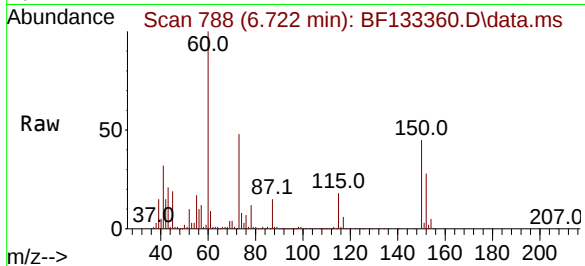




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF133360.D
 Acq: 11 May 2023 18:09

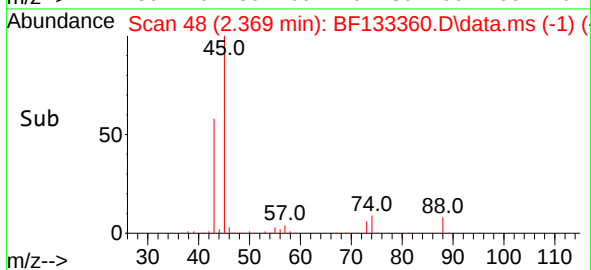
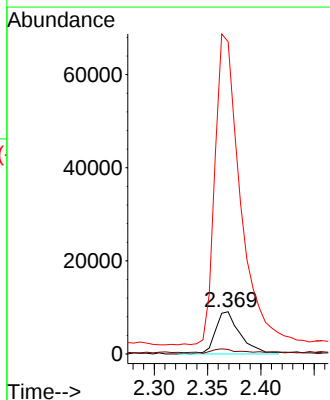
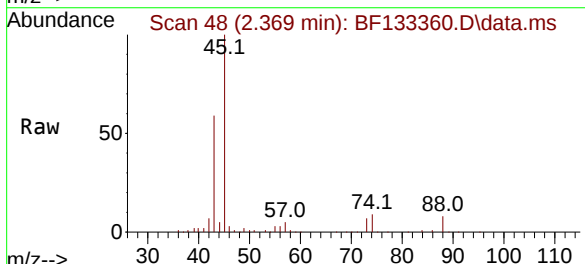
Instrument :
 BNA_F
 ClientSampleId :
 PL-OILYWATER

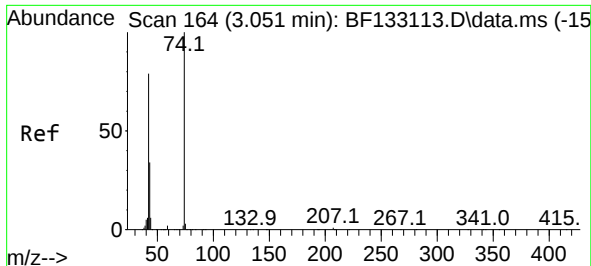
Tgt Ion:152 Resp: 152275
 Ion Ratio Lower Upper
 152 100
 150 159.3 124.8 187.2
 115 62.7 49.9 74.9



#2
 1,4-Dioxane
 Concen: 3.137 ng
 RT: 2.369 min Scan# 48
 Delta R.T. 0.006 min
 Lab File: BF133360.D
 Acq: 11 May 2023 18:09

Tgt Ion: 88 Resp: 14666
 Ion Ratio Lower Upper
 88 100
 58 13.8 64.7 97.1#
 43 767.1 26.2 39.2#

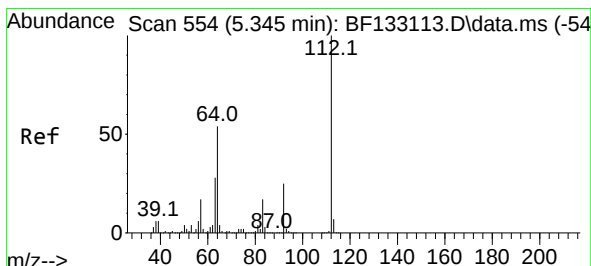
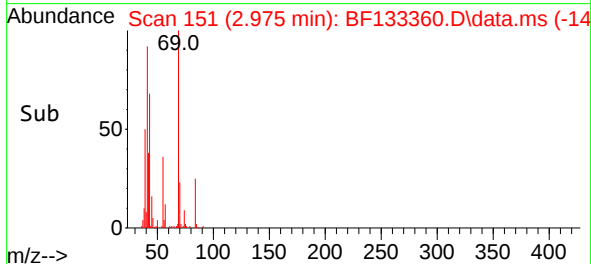
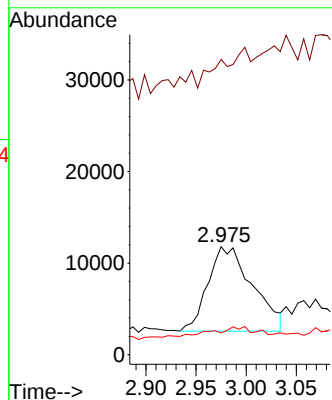
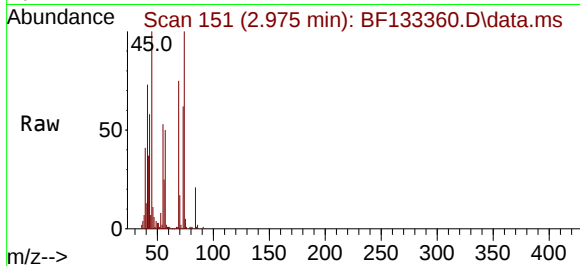




#4
n-Nitrosodimethylamine
Concen: 4.444 ng
RT: 2.975 min Scan# 11
Delta R.T. -0.047 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

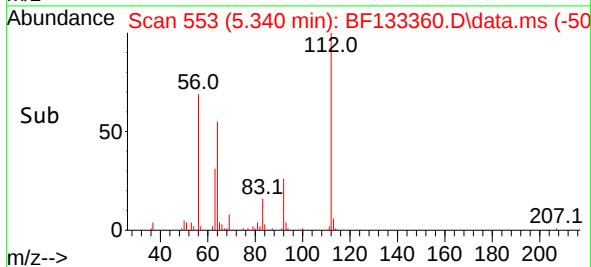
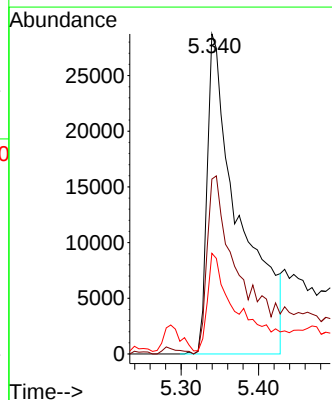
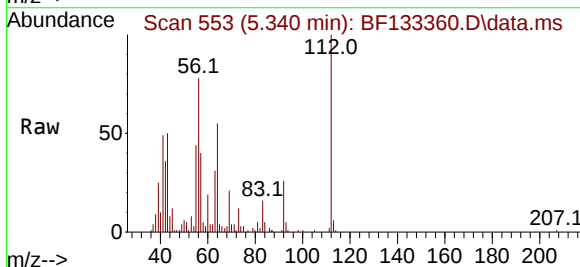
Instrument :
BNA_F
ClientSampleId :
PL-OILYWATER

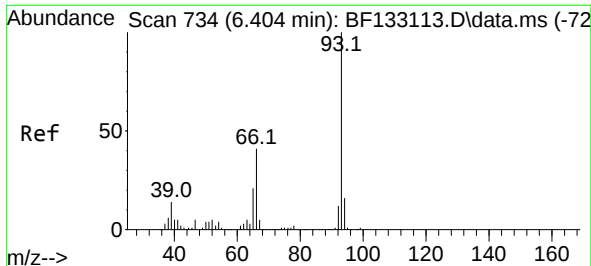
Tgt Ion: 42 Resp: 28587
Ion Ratio Lower Upper
42 100
74 273.1 98.0 147.0#
44 20.2 5.8 8.8#



#5
2-Fluorophenol
Concen: 8.203 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.012 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

Tgt Ion: 112 Resp: 82689
Ion Ratio Lower Upper
112 100
64 54.6 46.8 70.2
63 31.4 23.8 35.8

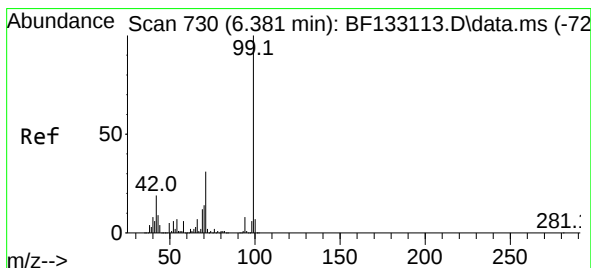
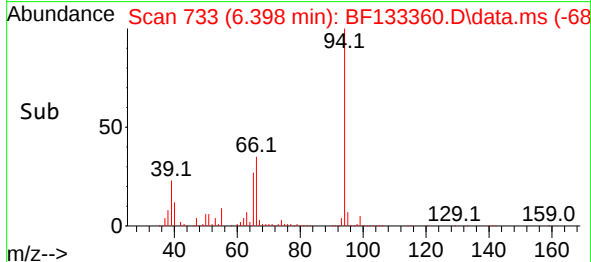
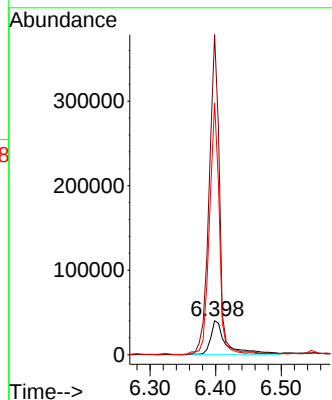
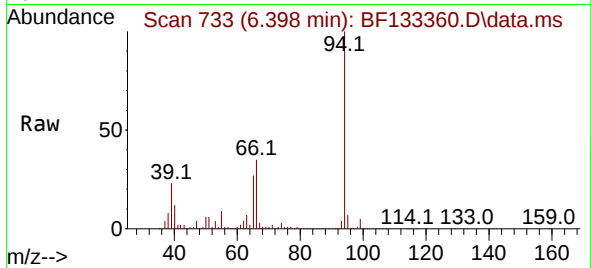




#6
Aniline
Concen: 4.351 ng
RT: 6.398 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

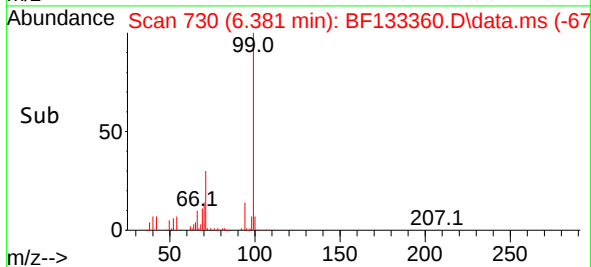
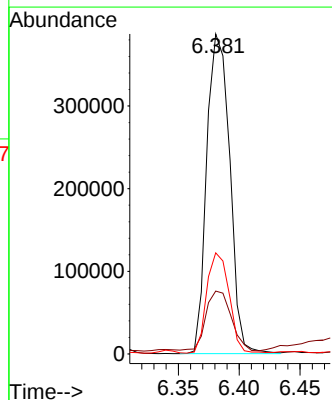
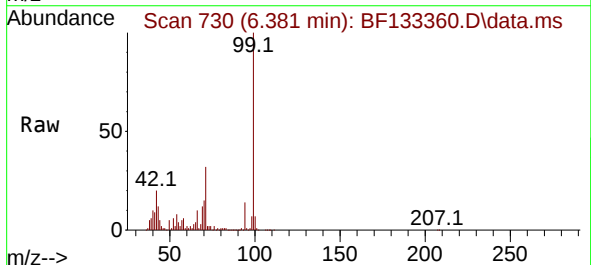
Instrument :
BNA_F
ClientSampleId :
PL-OILYWATER

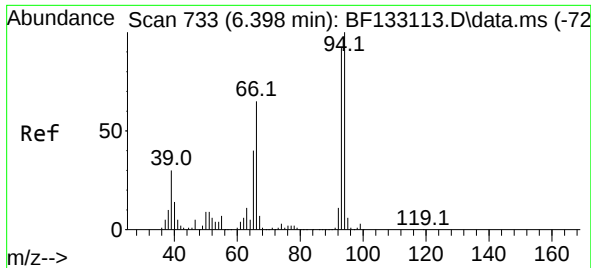
Tgt Ion: 93 Resp: 70113
Ion Ratio Lower Upper
93 100
66 943.1 31.5 47.3#
65 741.7 16.4 24.6#



#7
Phenol-d6
Concen: 40.561 ng
RT: 6.381 min Scan# 730
Delta R.T. 0.012 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

Tgt Ion: 99 Resp: 507490
Ion Ratio Lower Upper
99 100
42 19.7 16.3 24.5
71 31.6 25.6 38.4





#10

Phenol

Concen: 80.627 ng

RT: 6.398 min Scan# 733

Delta R.T. 0.018 min

Lab File: BF133360.D

Acq: 11 May 2023 18:09

Instrument :

BNA_F

ClientSampleId :

PL-OILYWATER

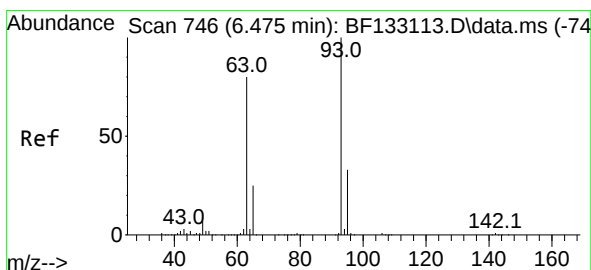
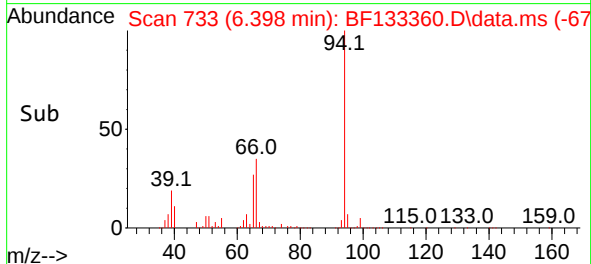
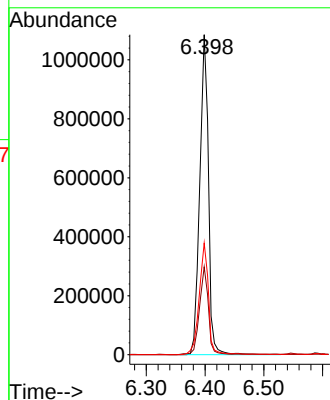
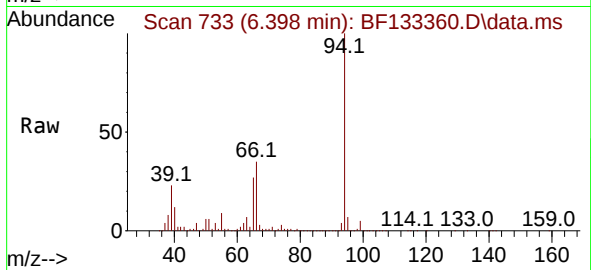
Tgt Ion: 94 Resp: 1112885

Ion Ratio Lower Upper

94 100

65 27.4 8.6 48.6

66 34.9 17.3 57.3



#11

bis(2-Chloroethyl)ether

Concen: 6.769 ng

RT: 6.398 min Scan# 733

Delta R.T. -0.065 min

Lab File: BF133360.D

Acq: 11 May 2023 18:09

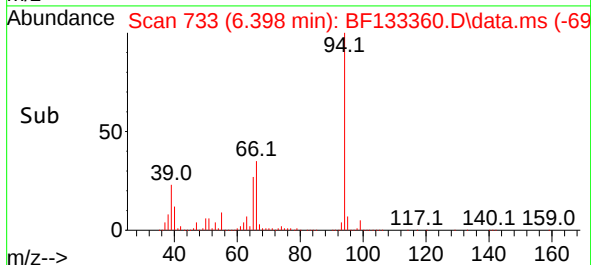
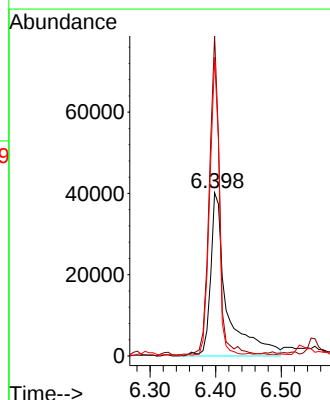
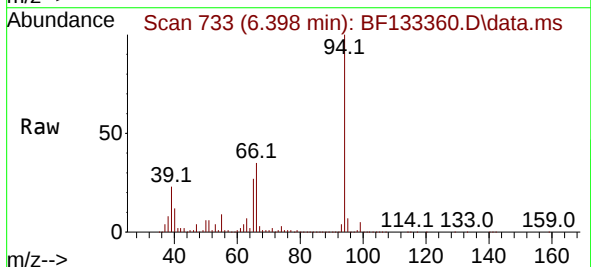
Tgt Ion: 93 Resp: 70113

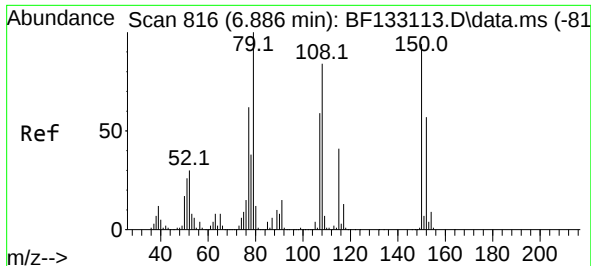
Ion Ratio Lower Upper

93 100

63 196.1 60.6 100.6#

95 183.1 12.9 52.9#

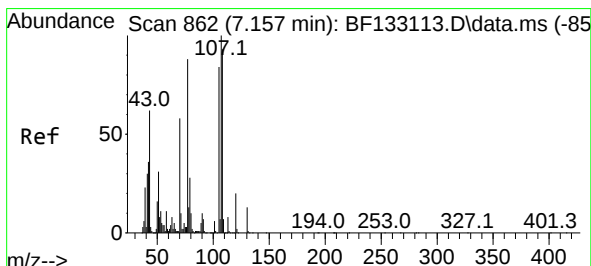
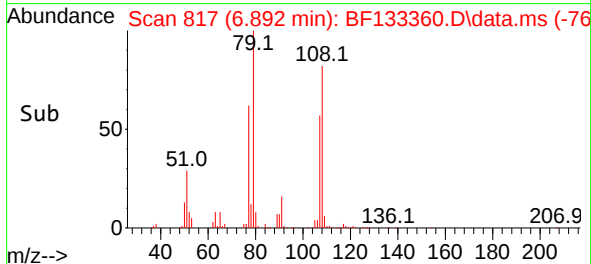
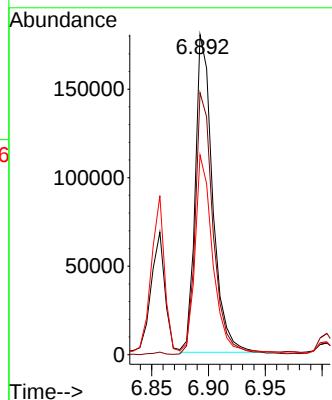
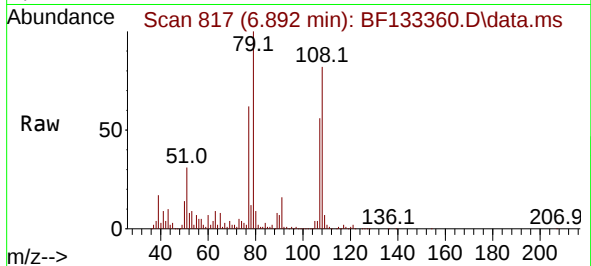




#15
Benzyl Alcohol
Concen: 22.148 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.024 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

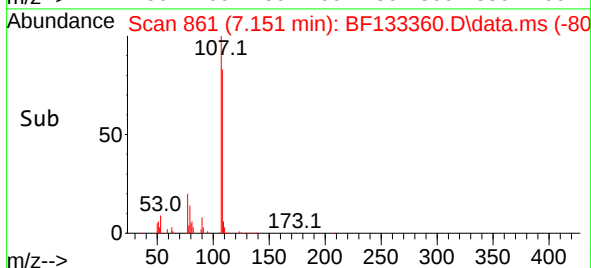
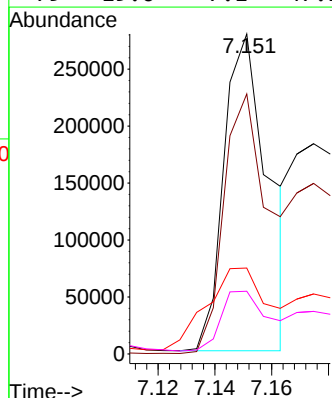
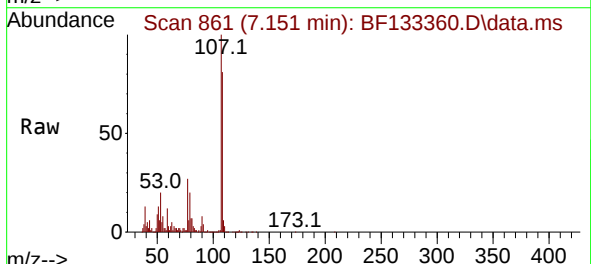
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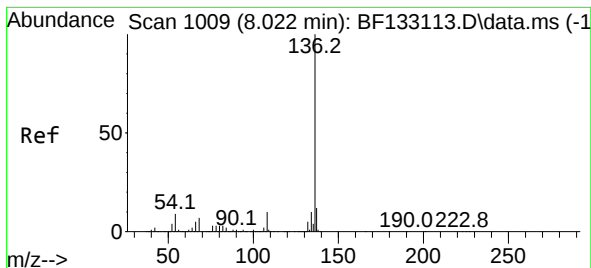
Tgt Ion: 79 Resp: 191420
Ion Ratio Lower Upper
79 100
108 81.9 66.6 99.8
77 62.4 49.2 73.8



#20
3+4-Methylphenols
Concen: 27.515 ng
RT: 7.151 min Scan# 861
Delta R.T. 0.006 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

Tgt Ion: 107 Resp: 303677
Ion Ratio Lower Upper
107 100
108 81.2 70.5 110.5
77 26.9 91.7 131.7#
79 19.6 7.1 47.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.004 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133360.D

Acq: 11 May 2023 18:09

Instrument :

BNA_F

ClientSampleId :

PL-OILYWATER

Tgt Ion:136 Resp: 321185

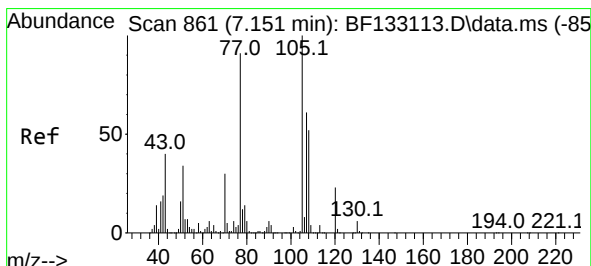
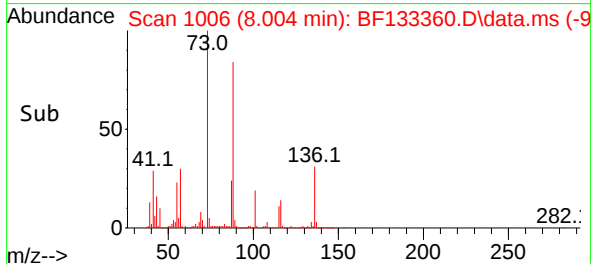
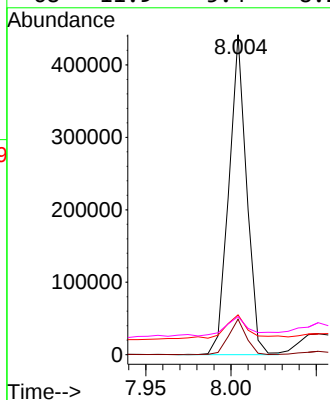
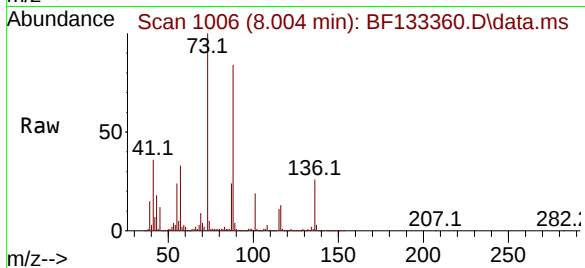
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 12.5 7.0 10.4#

68 11.9 5.4 8.2#



#22

Acetophenone

Concen: 7.207 ng

RT: 7.134 min Scan# 858

Delta R.T. -0.006 min

Lab File: BF133360.D

Acq: 11 May 2023 18:09

Tgt Ion:105 Resp: 53622

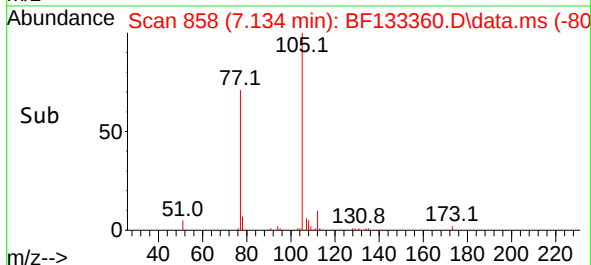
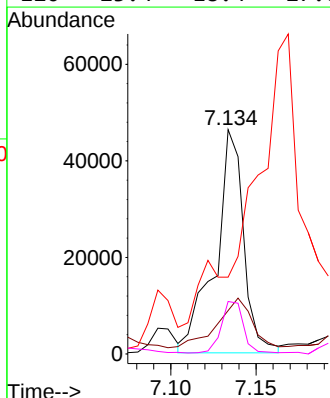
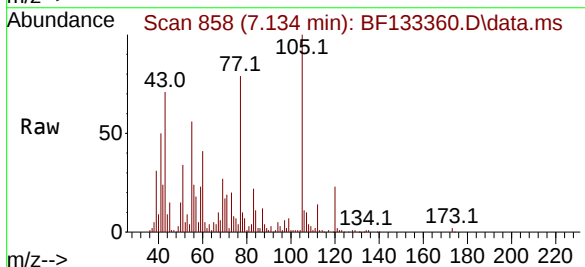
Ion Ratio Lower Upper

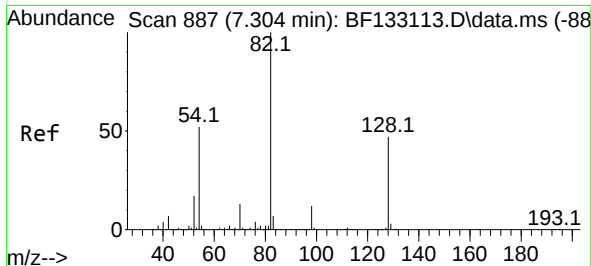
105 100

71 19.3 4.6 7.0#

51 34.3 28.2 42.2

120 23.4 18.4 27.6





#23

Nitrobenzene-d5

Concen: 118.121 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF133360.D

Acq: 11 May 2023 18:09

Instrument :

BNA_F

ClientSampleId :

PL-OILYWATER

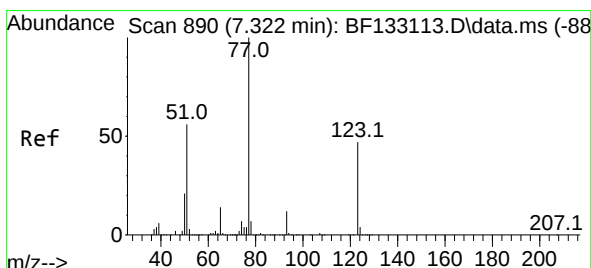
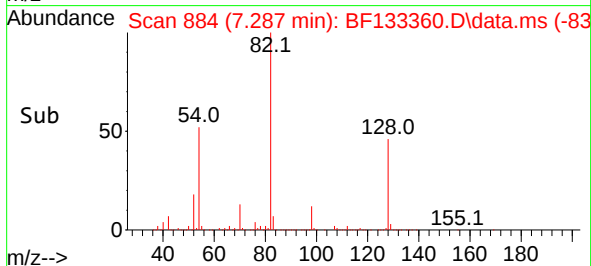
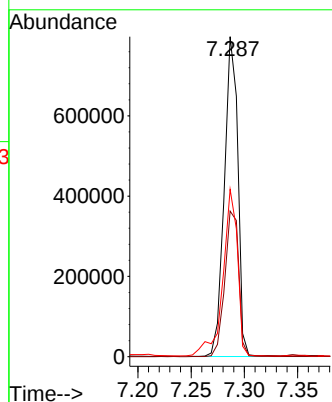
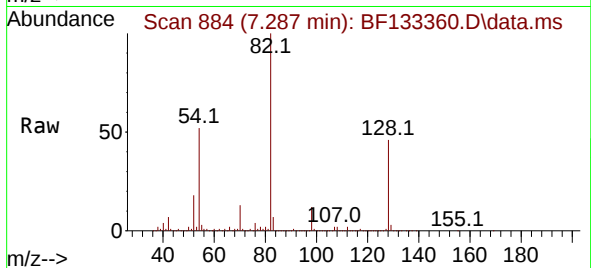
Tgt Ion: 82 Resp: 702867

Ion Ratio Lower Upper

82 100

128 45.5 37.7 56.5

54 52.3 43.0 64.4



#24

Nitrobenzene

Concen: 4.589 ng

RT: 7.351 min Scan# 895

Delta R.T. 0.041 min

Lab File: BF133360.D

Acq: 11 May 2023 18:09

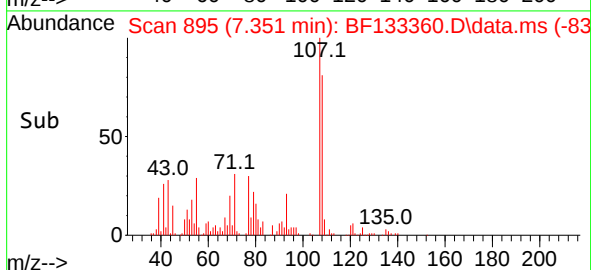
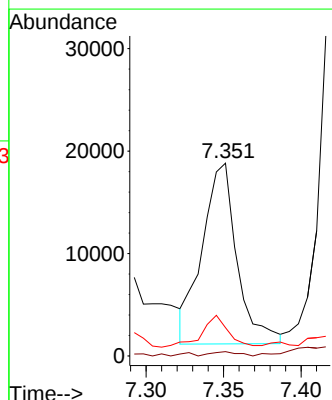
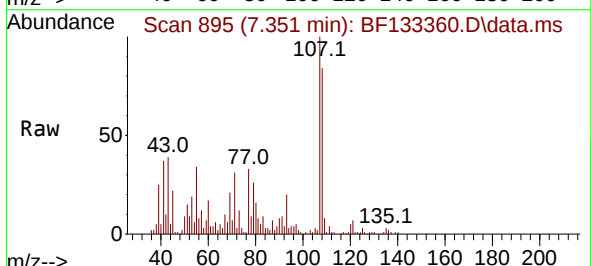
Tgt Ion: 77 Resp: 27672

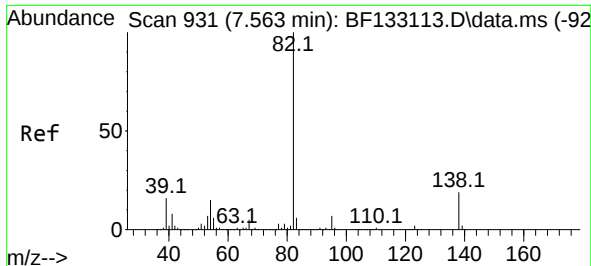
Ion Ratio Lower Upper

77 100

123 2.2 39.9 59.9#

65 14.7 10.7 16.1

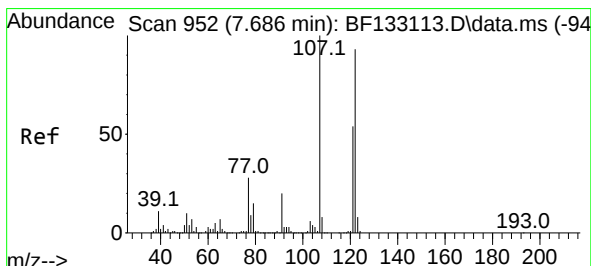
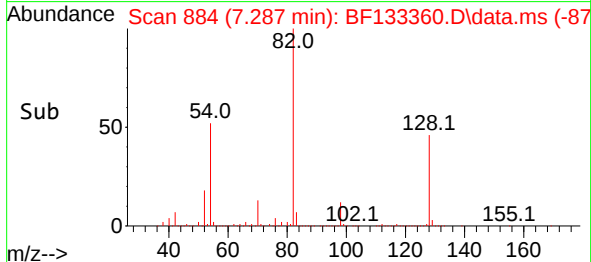
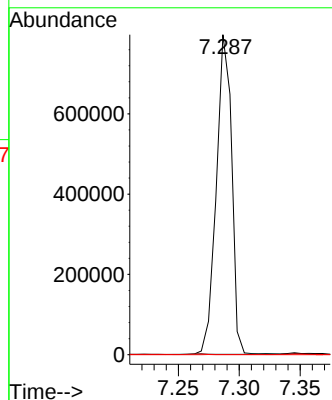
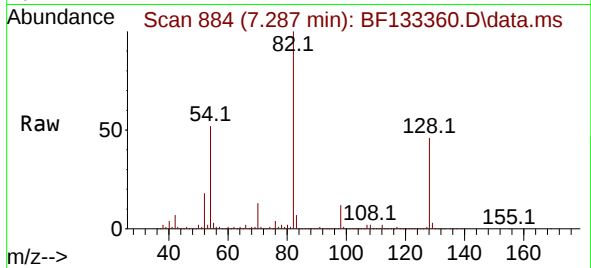




#25
Isophorone
Concen: 62.177 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

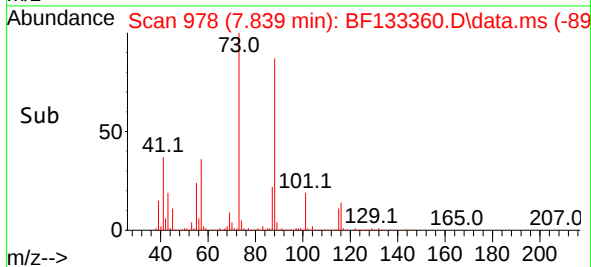
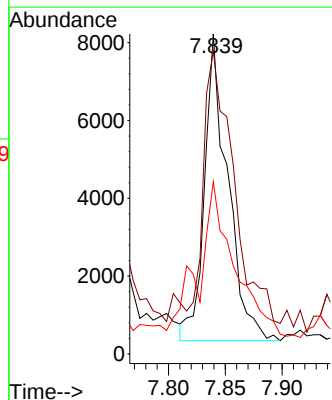
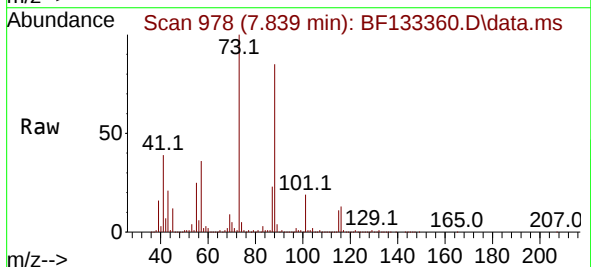
Instrument :
BNA_F
ClientSampleId :
PL-OILYWATER

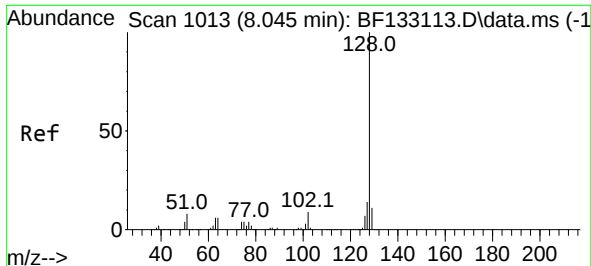
Tgt Ion: 82 Resp: 702460
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#27
2,4-Dimethylphenol
Concen: 2.246 ng
RT: 7.839 min Scan# 978
Delta R.T. 0.171 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

Tgt Ion: 122 Resp: 11203
Ion Ratio Lower Upper
122 100
107 94.7 89.7 134.5
121 53.9 46.0 69.0

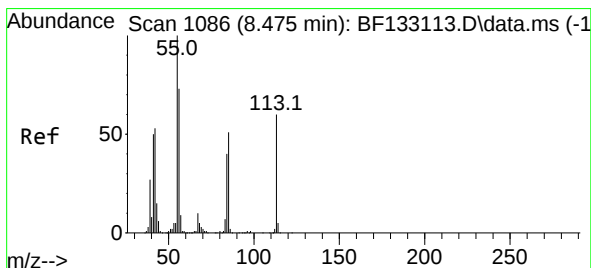
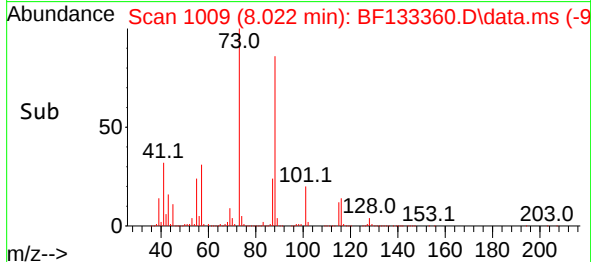
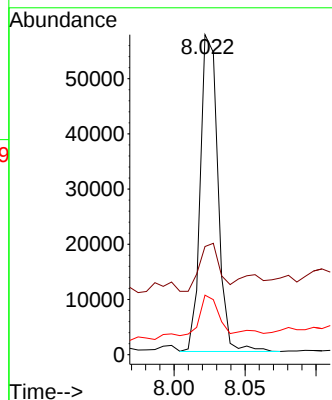
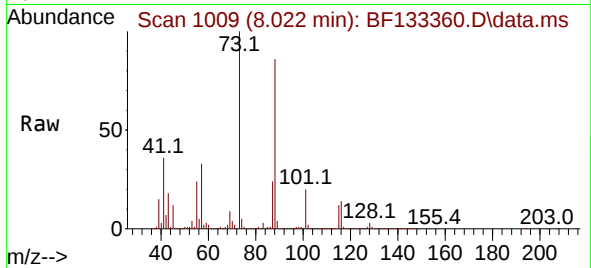




#31
Naphthalene
Concen: 3.089 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

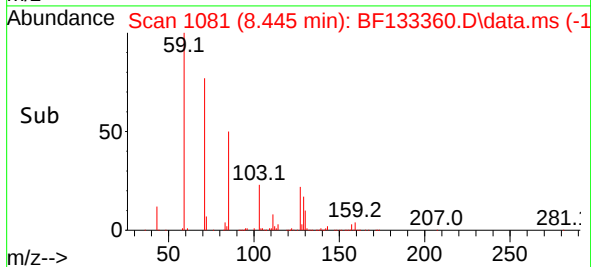
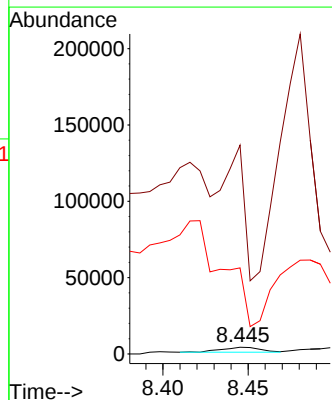
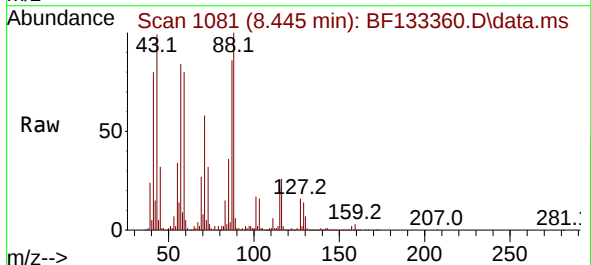
Instrument :
BNA_F
ClientSampleId :
PL-OILYWATER

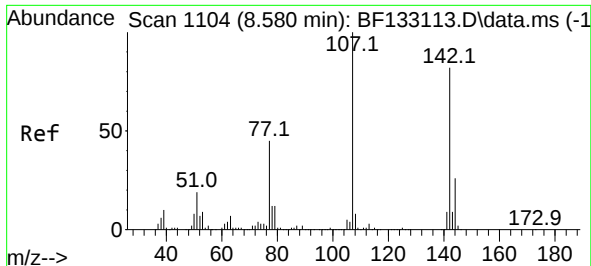
Tgt Ion:128 Resp: 49603
Ion Ratio Lower Upper
128 100
129 33.8 8.8 13.2#
127 18.6 10.7 16.1#



#35
Caprolactam
Concen: 3.283 ng
RT: 8.445 min Scan# 1081
Delta R.T. -0.012 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

Tgt Ion:113 Resp: 5007
Ion Ratio Lower Upper
113 100
55 3075.5 167.1 207.1#
56 1268.6 114.5 154.5#





#36

4-Chloro-3-methylphenol

Concen: 4.453 ng

RT: 8.575 min Scan# 1103

Delta R.T. 0.006 min

Lab File: BF133360.D

Acq: 11 May 2023 18:09

Instrument :

BNA_F

ClientSampleId :

PL-OILYWATER

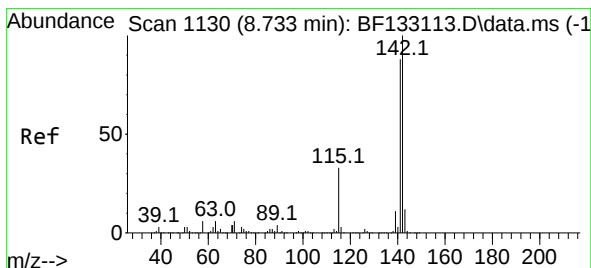
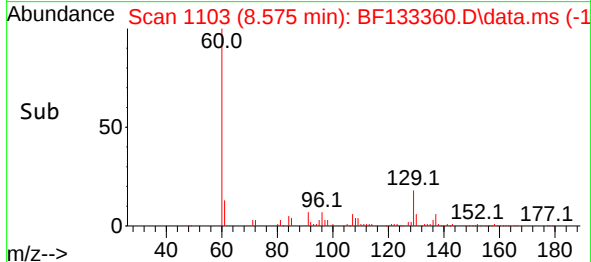
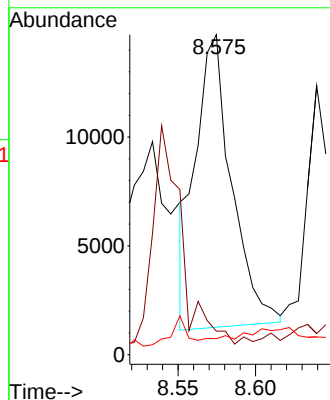
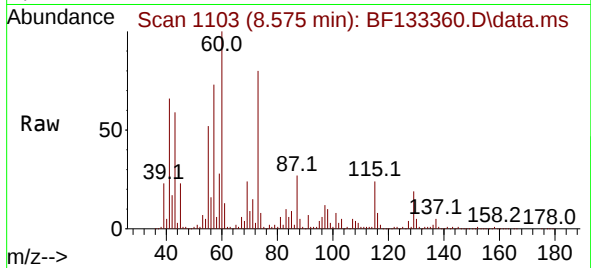
Tgt Ion:107 Resp: 21798

Ion Ratio Lower Upper

107 100

144 7.4 20.6 30.8#

142 5.0 62.8 94.2#



#37

2-Methylnaphthalene

Concen: 5.828 ng

RT: 8.739 min Scan# 1131

Delta R.T. 0.018 min

Lab File: BF133360.D

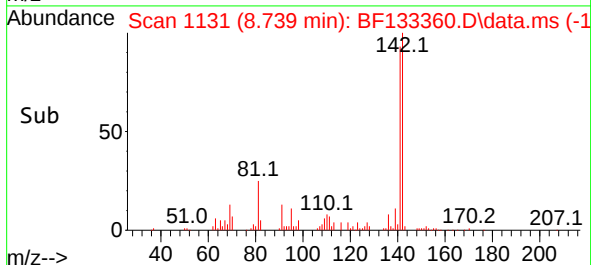
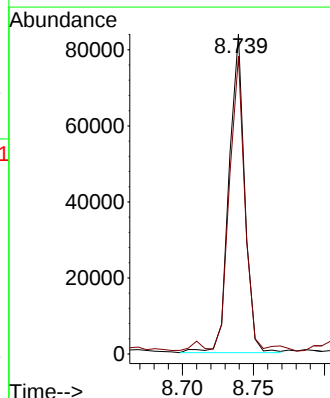
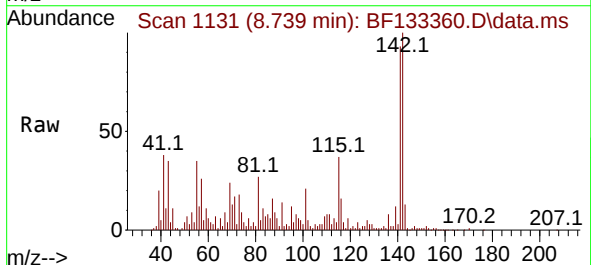
Acq: 11 May 2023 18:09

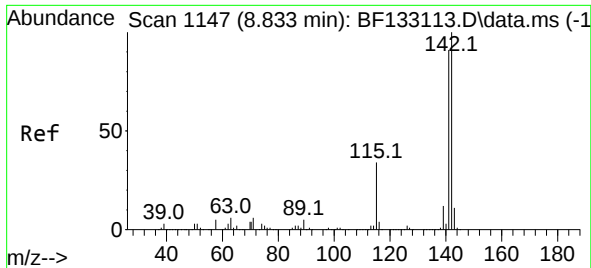
Tgt Ion:142 Resp: 63978

Ion Ratio Lower Upper

142 100

141 93.0 69.4 104.0

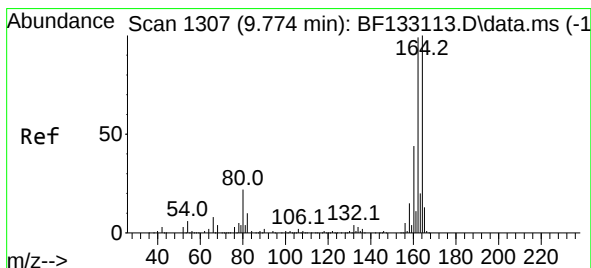
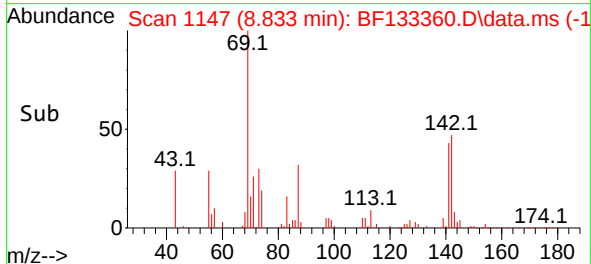
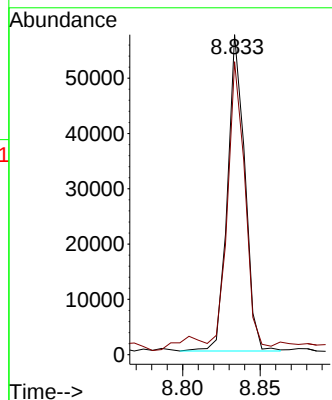
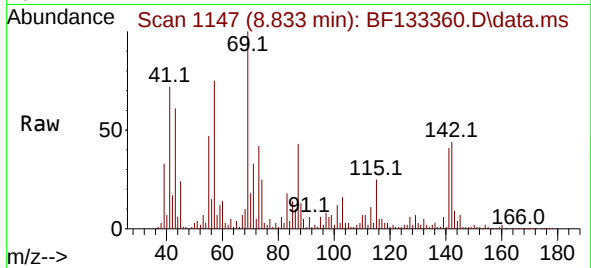




#38
1-Methylnaphthalene
Concen: 4.345 ng
RT: 8.833 min Scan# 1147
Delta R.T. 0.012 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

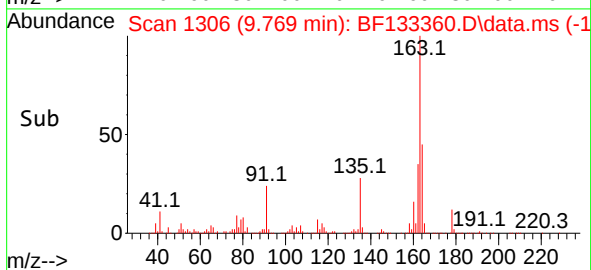
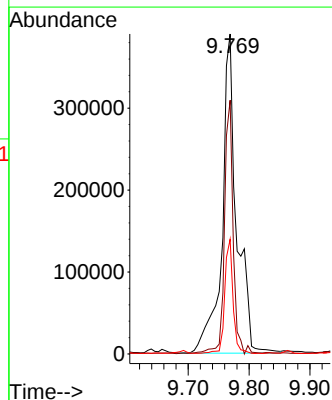
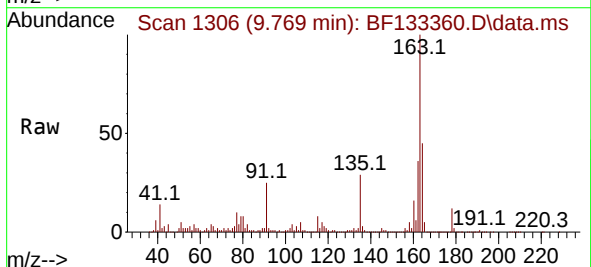
Instrument :
BNA_F
ClientSampleId :
PL-OILYWATER

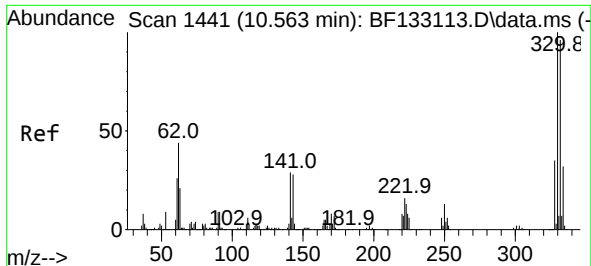
Tgt Ion:142 Resp: 44622
Ion Ratio Lower Upper
142 100
141 91.6 73.1 109.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.012 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

Tgt Ion:164 Resp: 654494
Ion Ratio Lower Upper
164 100
162 79.3 78.7 118.1
160 35.9 35.8 53.6

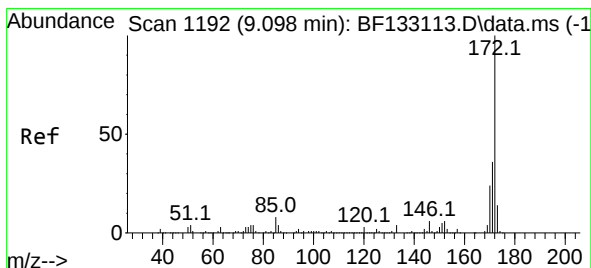
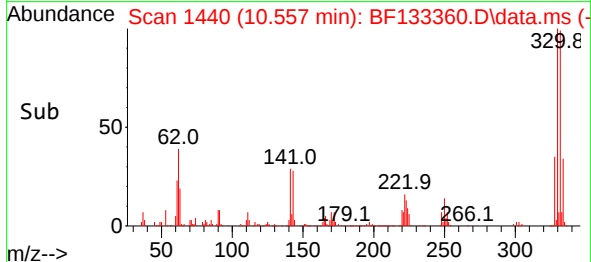
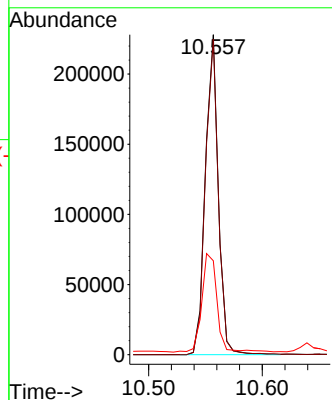
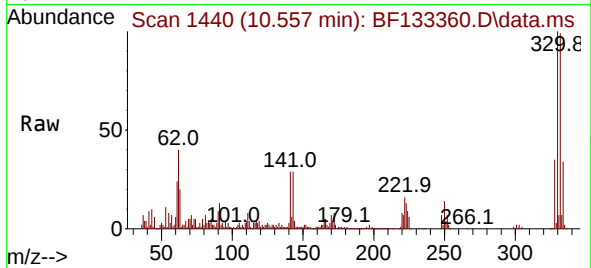




#42
2,4,6-Tribromophenol
Concen: 27.450 ng
RT: 10.557 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

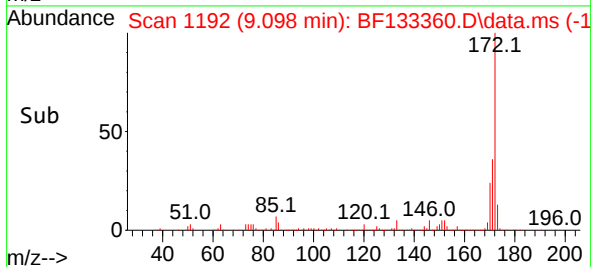
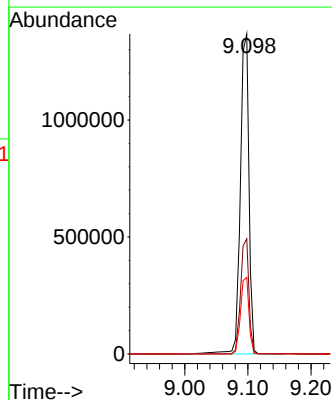
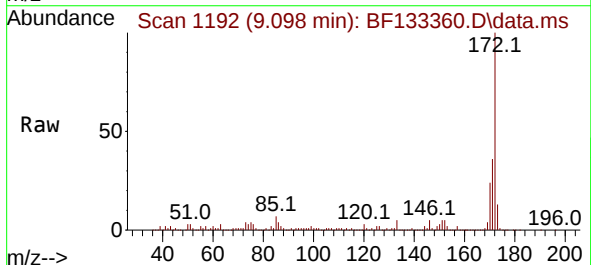
Instrument :
BNA_F
ClientSampleId :
PL-OILYWATER

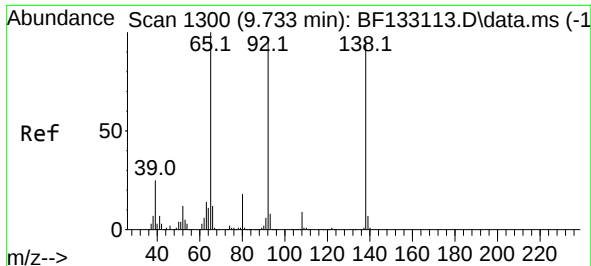
Tgt Ion:330 Resp: 180679
Ion Ratio Lower Upper
330 100
332 98.3 77.1 115.7
141 36.1 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 33.254 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.012 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

Tgt Ion:172 Resp: 1300917
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 24.0 19.4 29.2

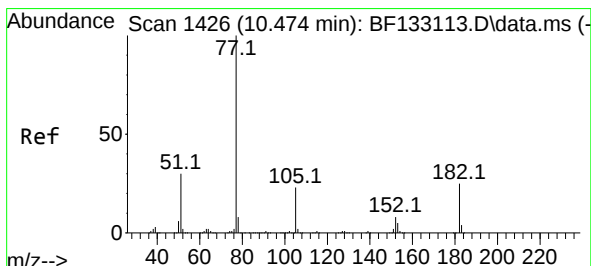
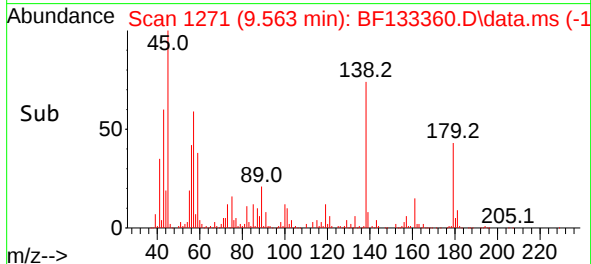
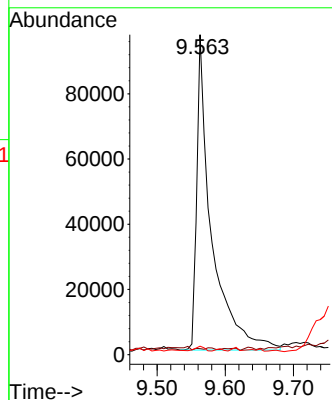
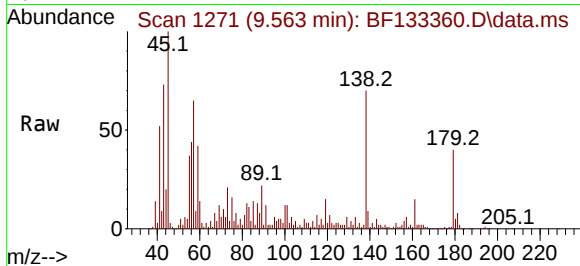




#53
3-Nitroaniline
Concen: 11.857 ng
RT: 9.563 min Scan# 11
Delta R.T. -0.153 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

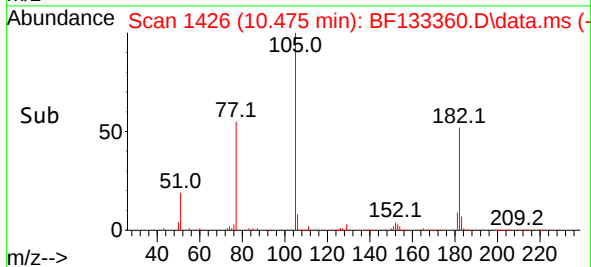
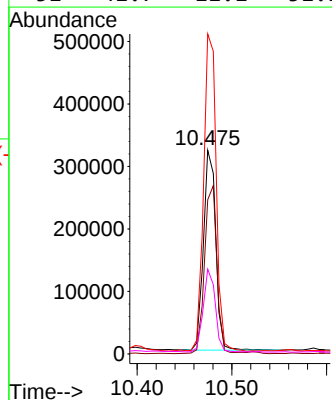
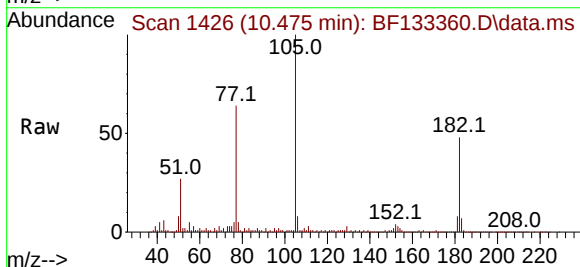
Instrument :
BNA_F
ClientSampleId :
PL-OILYWATER

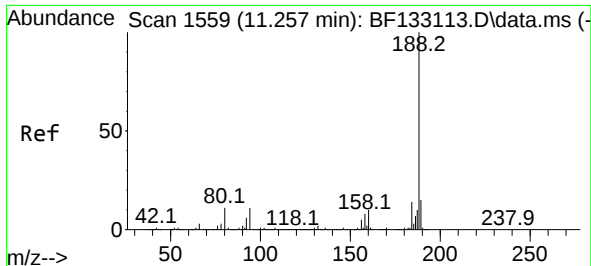
Tgt Ion:138 Resp: 144813
Ion Ratio Lower Upper
138 100
108 1.9 8.0 12.0#
92 2.6 83.6 125.4#



#63
Azobenzene
Concen: 6.337 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

Tgt Ion: 77 Resp: 289361
Ion Ratio Lower Upper
77 100
182 75.8 5.9 45.9#
105 157.1 2.3 42.3#
51 41.7 11.1 51.1

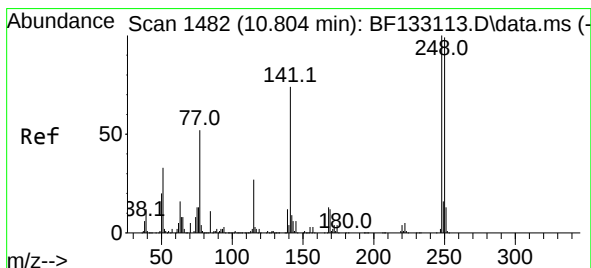
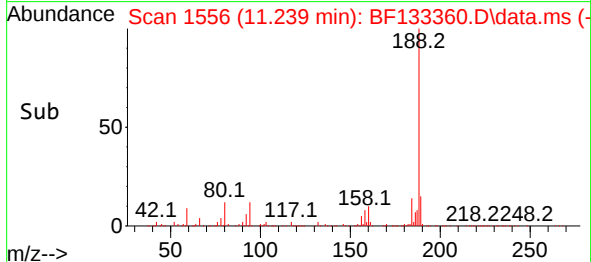
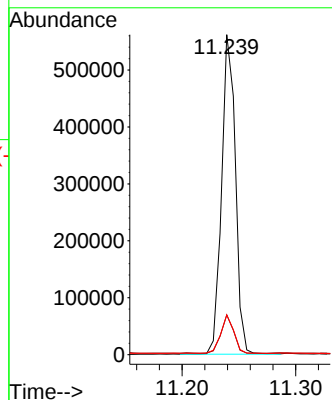
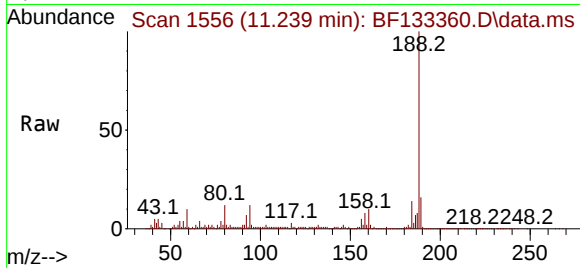




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

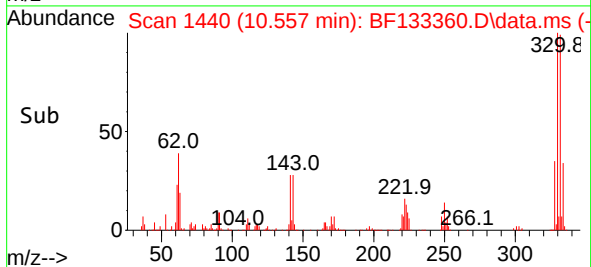
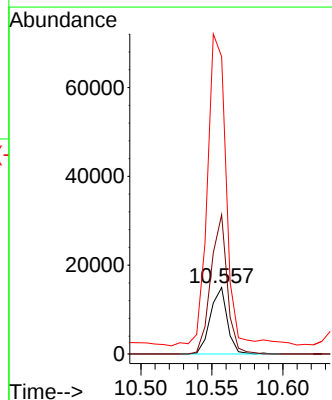
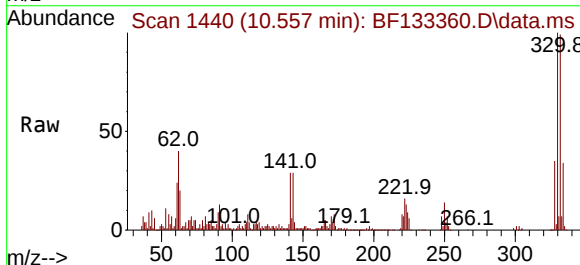
Instrument :
BNA_F
ClientSampleId :
PL-OILYWATER

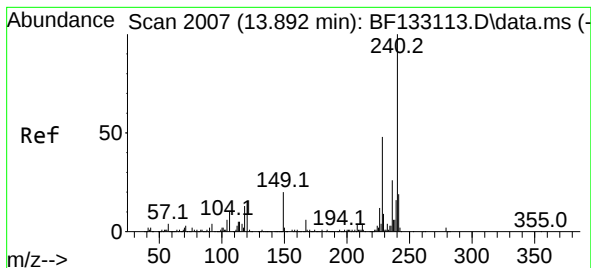
Tgt Ion:188 Resp: 475302
Ion Ratio Lower Upper
188 100
94 12.4 9.7 14.5
80 12.5 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 2.396 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.229 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

Tgt Ion:248 Resp: 12353
Ion Ratio Lower Upper
248 100
250 209.7 78.7 118.1#
141 447.8 56.3 84.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF133360.D

Acq: 11 May 2023 18:09

Instrument :

BNA_F

ClientSampleId :

PL-OILYWATER

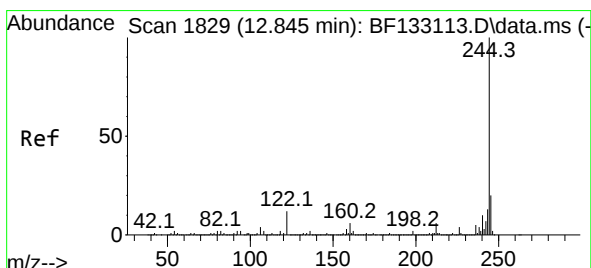
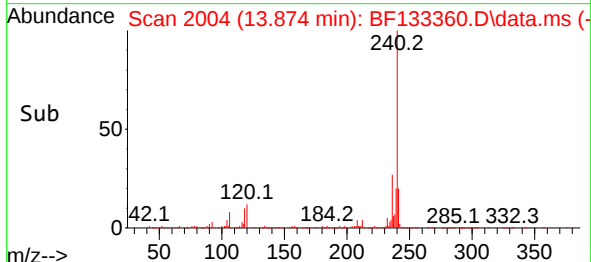
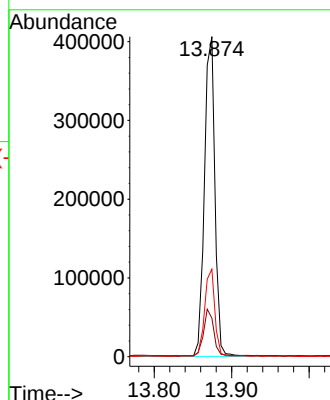
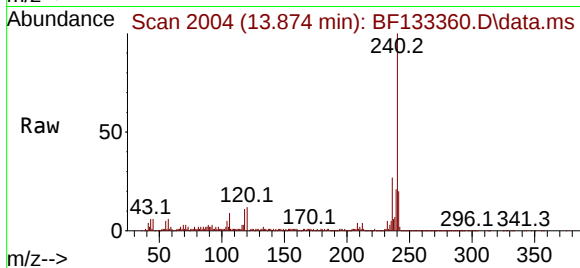
Tgt Ion:240 Resp: 382087

Ion Ratio Lower Upper

240 100

120 12.0 10.5 15.7

236 27.4 21.5 32.3



#79

Terphenyl-d14

Concen: 40.219 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF133360.D

Acq: 11 May 2023 18:09

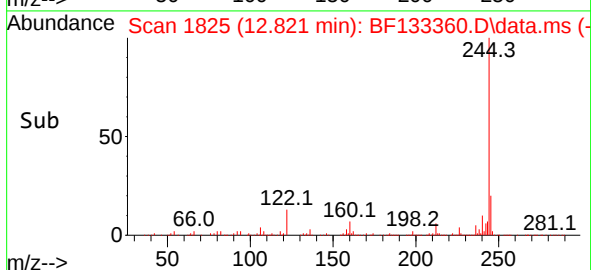
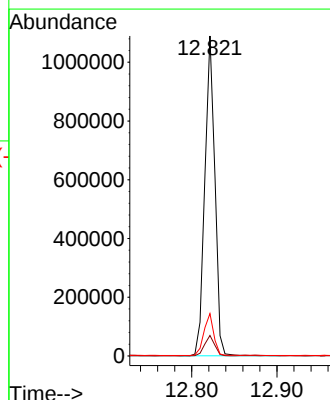
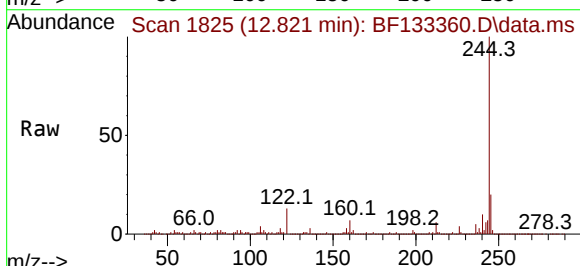
Tgt Ion:244 Resp: 891022

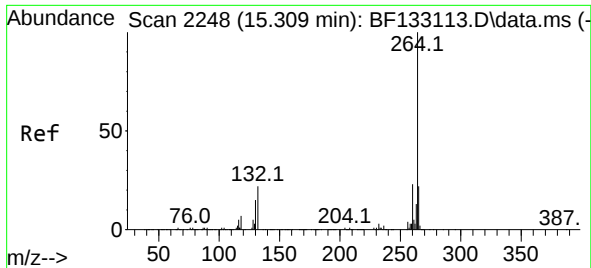
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 13.2 8.6 13.0#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133360.D
Acq: 11 May 2023 18:09

Instrument :
BNA_F
ClientSampleId :
PL-OILYWATER

Tgt Ion:264 Resp: 479140

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	21.2	17.0	25.4

