

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
 Data File : BF133375.D
 Acq On : 12 May 2023 18:18
 Operator : CG\JU
 Sample : 02744-01DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-OILYWATERDL

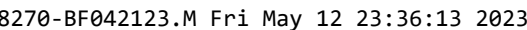
Quant Time: May 12 23:36:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

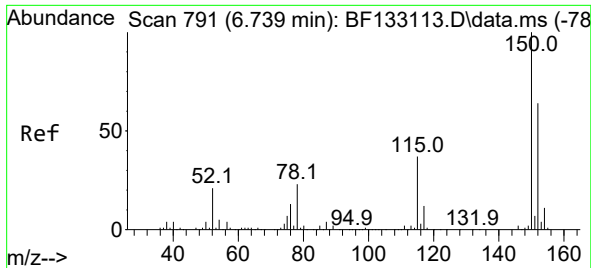
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	191418	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	383193	20.000	ng	# 0.00
39) Acenaphthene-d10	9.769	164	591970	20.000	ng	0.01
64) Phenanthrene-d10	11.245	188	585130	20.000	ng	0.00
76) Chrysene-d12	13.880	240	410968	20.000	ng	0.00
86) Perylene-d12	15.304	264	318813	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	86261	6.807	ng	0.01
7) Phenol-d6	6.375	99	338608	21.529	ng	0.00
23) Nitrobenzene-d5	7.287	82	443608	62.487	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	111279	18.692	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	847428	23.950	ng	0.00
79) Terphenyl-d14	12.822	244	573393	24.063	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.393	93	55511	2.740	ng	# 1
9) Benzaldehyde	6.275	77	3145	Below Cal		# 1
10) Phenol	6.393	94	738824	42.581	ng	97
11) bis(2-Chloroethyl)ether	6.393	93	55511	4.263	ng	# 16
15) Benzyl Alcohol	6.887	79	128201	11.800	ng	96
17) 2-Methylphenol	6.887	107	72806	6.180	ng	# 25
20) 3+4-Methylphenols	7.145	107	493917	35.600	ng	# 57
22) Acetophenone	7.134	105	32962	3.713	ng	# 96
24) Nitrobenzene	7.304	77	19877	2.763	ng	# 42
25) Isophorone	7.287	82	440807	32.703	ng	# 63
32) Benzoic acid	7.798	122	7512	2.044	ng	# 37
36) 4-Chloro-3-methylphenol	8.510	107	25678	4.396	ng	# 29
37) 2-Methylnaphthalene	8.734	142	41285	3.152	ng	99
38) 1-Methylnaphthalene	8.834	142	27358	2.233	ng	98
50) Dimethylphthalate	9.769	163	2227198	53.957	ng	# 12
53) 3-Nitroaniline	9.539	138	117079	10.599	ng	# 6
63) Azobenzene	10.475	77	179475	4.345	ng	# 1

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

Quant Time: May 12 23:36:07 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
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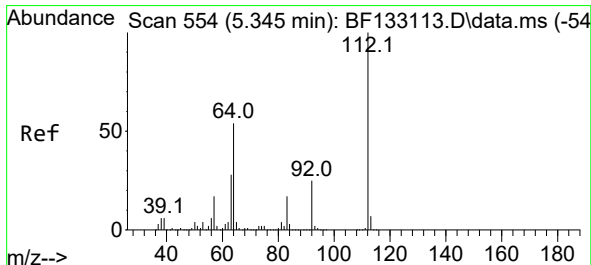
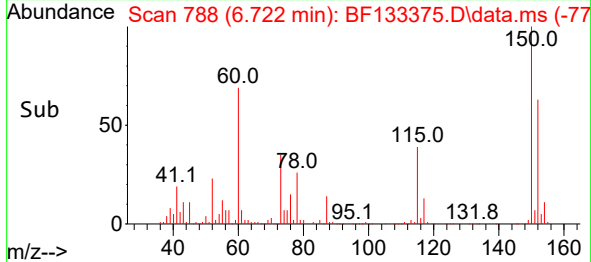
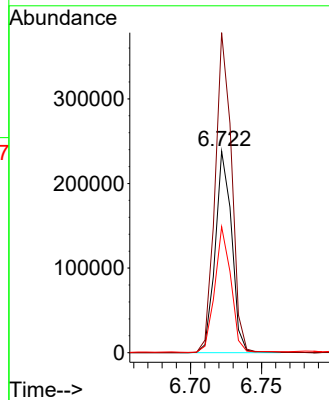
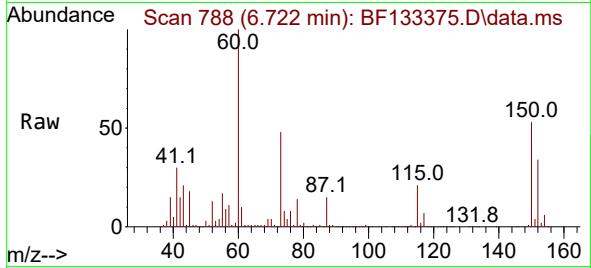




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133375.D
Acq: 12 May 2023 18:18

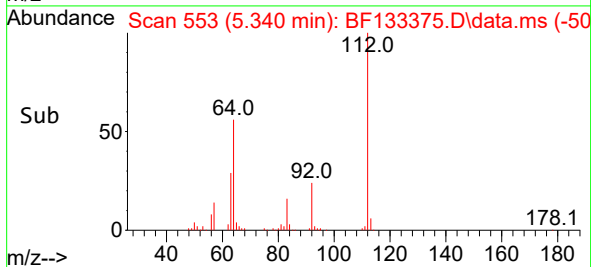
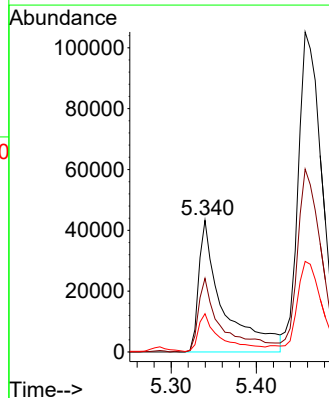
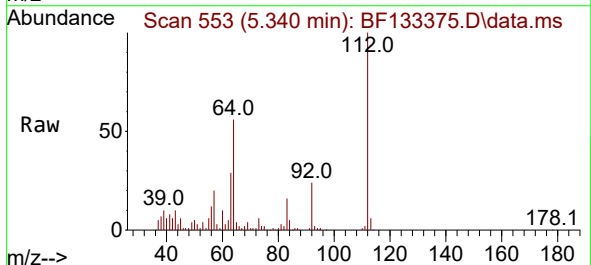
Instrument :
BNA_F
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PL-OILYWATERDL

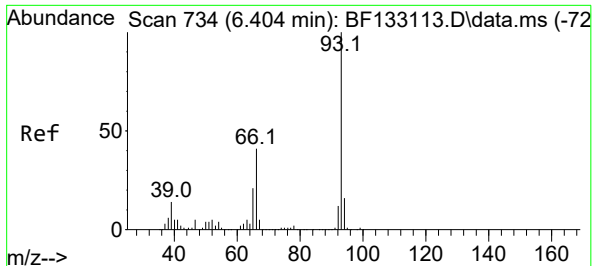
Tgt Ion:152 Resp: 191418
Ion Ratio Lower Upper
152 100
150 158.8 124.8 187.2
115 62.5 49.9 74.9



#5
2-Fluorophenol
Concen: 6.807 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.012 min
Lab File: BF133375.D
Acq: 12 May 2023 18:18

Tgt Ion:112 Resp: 86261
Ion Ratio Lower Upper
112 100
64 55.9 46.8 70.2
63 29.1 23.8 35.8





#6

Aniline

Concen: 2.740 ng

RT: 6.393 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF133375.D

Acq: 12 May 2023 18:18

Instrument :

BNA_F

ClientSampleId :

PL-OILYWATERDL

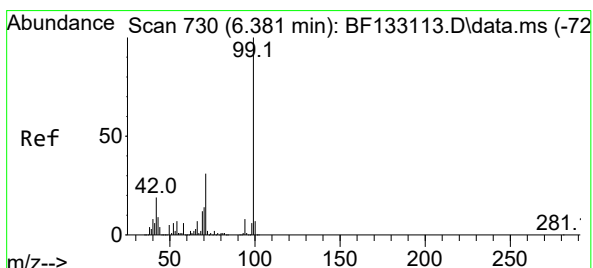
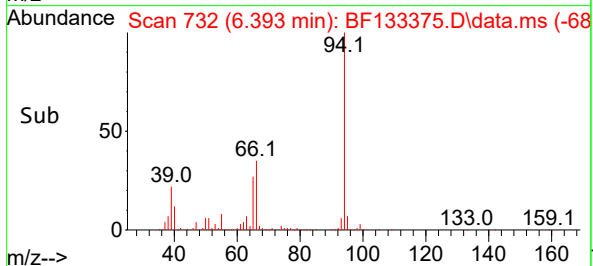
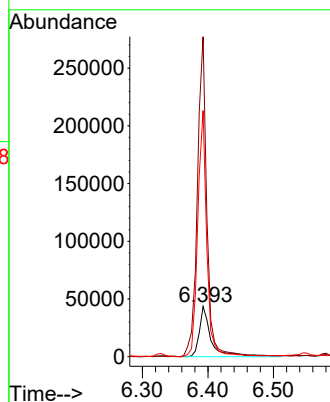
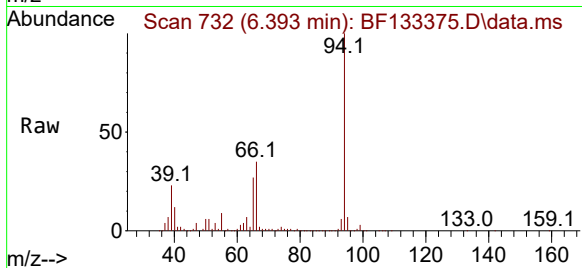
Tgt Ion: 93 Resp: 55511

Ion Ratio Lower Upper

93 100

66 637.3 31.5 47.3#

65 490.0 16.4 24.6#



#7

Phenol-d6

Concen: 21.529 ng

RT: 6.375 min Scan# 729

Delta R.T. 0.006 min

Lab File: BF133375.D

Acq: 12 May 2023 18:18

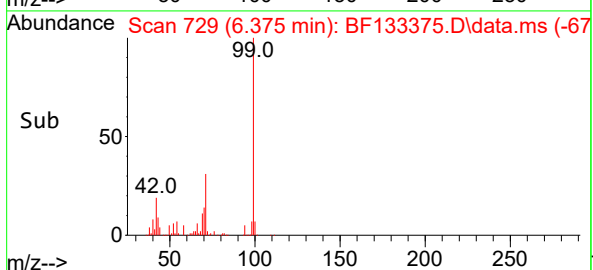
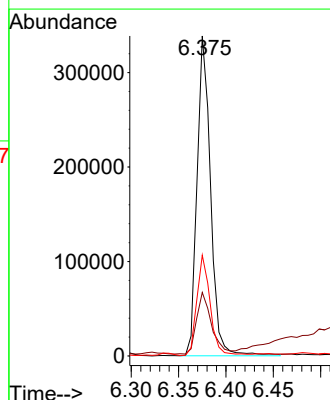
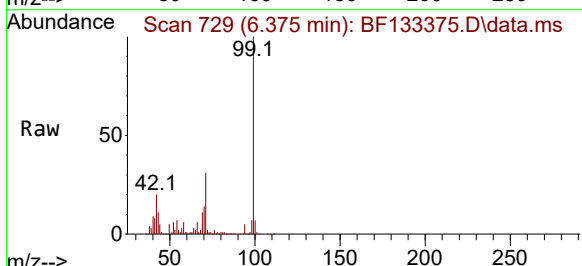
Tgt Ion: 99 Resp: 338608

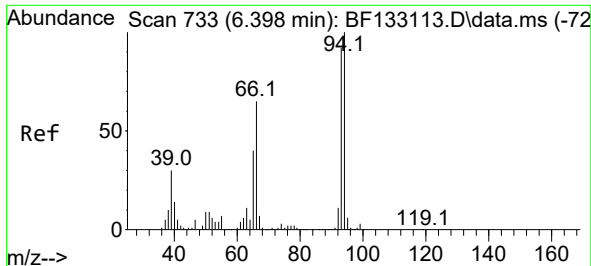
Ion Ratio Lower Upper

99 100

42 19.9 16.3 24.5

71 31.5 25.6 38.4





#10

Phenol

Concen: 42.581 ng

RT: 6.393 min Scan# 71

Delta R.T. 0.012 min

Lab File: BF133375.D

Acq: 12 May 2023 18:18

Instrument :

BNA_F

ClientSampleId :

PL-OILYWATERDL

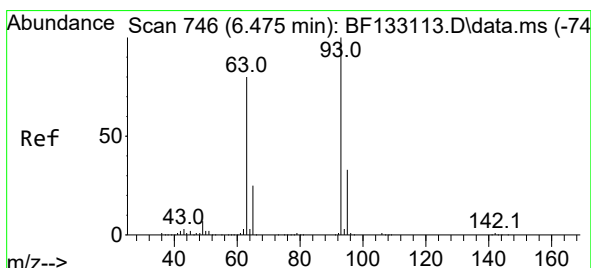
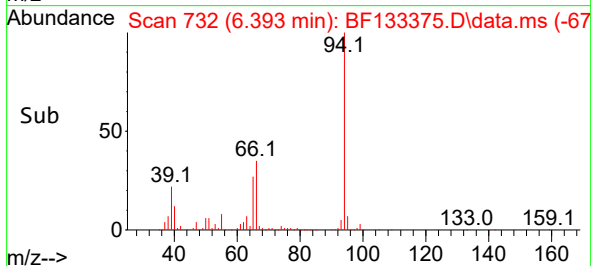
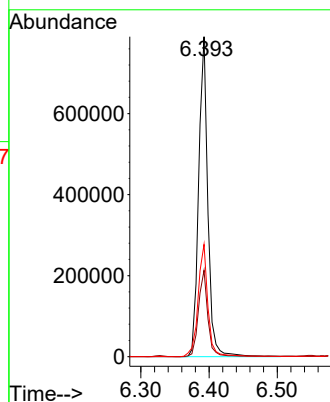
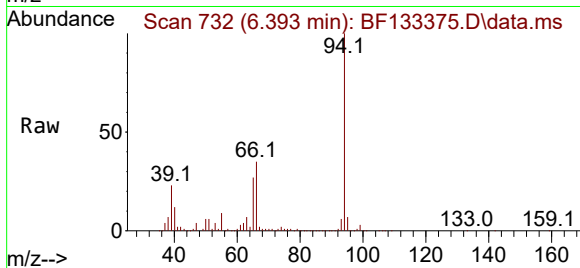
Tgt Ion: 94 Resp: 738824

Ion Ratio Lower Upper

94 100

65 27.0 8.6 48.6

66 35.1 17.3 57.3



#11

bis(2-Chloroethyl)ether

Concen: 4.263 ng

RT: 6.393 min Scan# 732

Delta R.T. -0.070 min

Lab File: BF133375.D

Acq: 12 May 2023 18:18

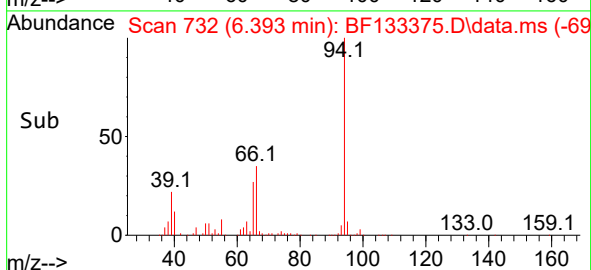
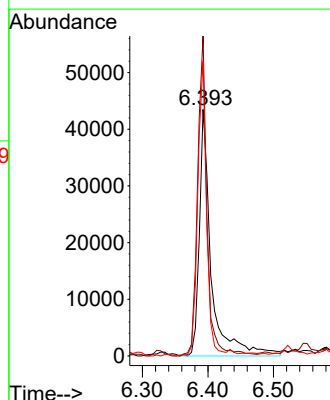
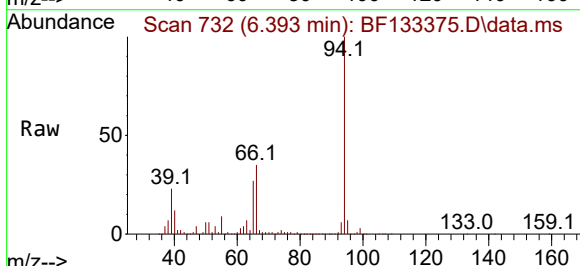
Tgt Ion: 93 Resp: 55511

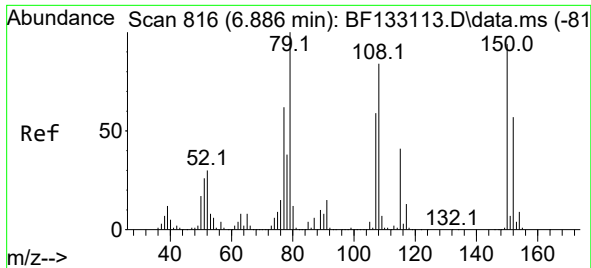
Ion Ratio Lower Upper

93 100

63 129.8 60.6 100.6#

95 119.8 12.9 52.9#





#15

Benzyl Alcohol

Concen: 11.800 ng

RT: 6.887 min Scan# 816

Delta R.T. 0.018 min

Lab File: BF133375.D

Acq: 12 May 2023 18:18

Instrument :

BNA_F

ClientSampleId :

PL-OILYWATERDL

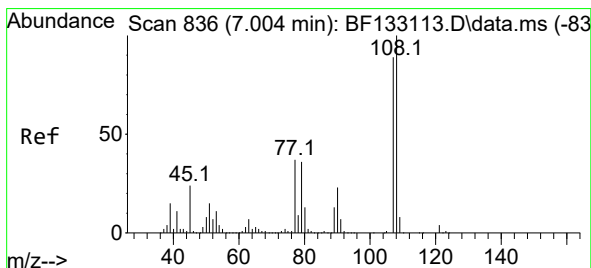
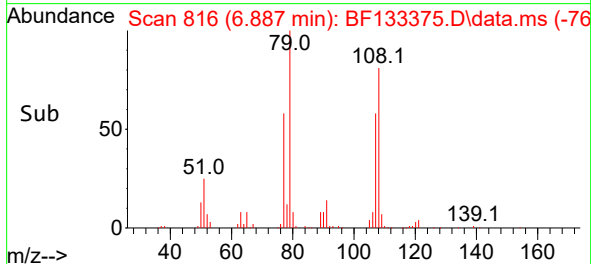
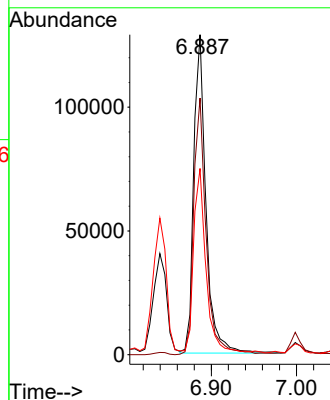
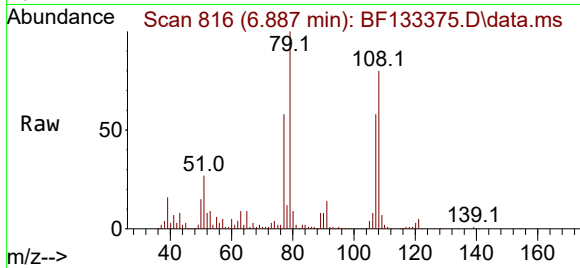
Tgt Ion: 79 Resp: 128201

Ion Ratio Lower Upper

79 100

108 80.2 66.6 99.8

77 58.2 49.2 73.8



#17

2-Methylphenol

Concen: 6.180 ng

RT: 6.887 min Scan# 816

Delta R.T. -0.100 min

Lab File: BF133375.D

Acq: 12 May 2023 18:18

Tgt Ion: 107 Resp: 72806

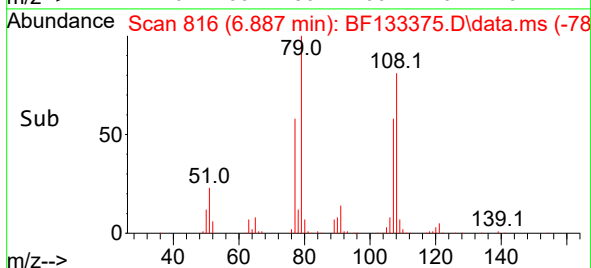
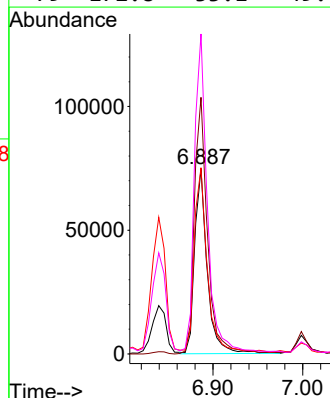
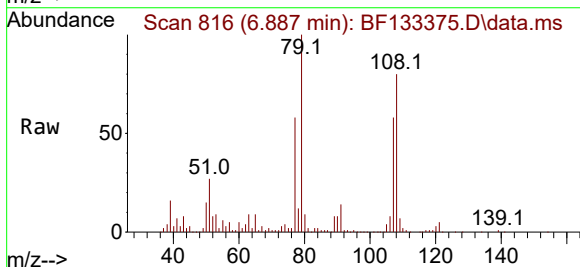
Ion Ratio Lower Upper

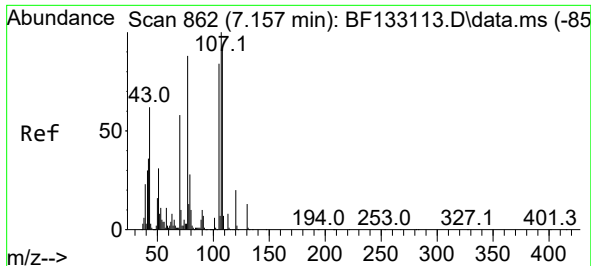
107 100

108 138.6 92.4 138.6

77 100.6 33.8 50.8#

79 172.8 33.1 49.7#





#20

3+4-Methylphenols

Concen: 35.600 ng

RT: 7.145 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF133375.D

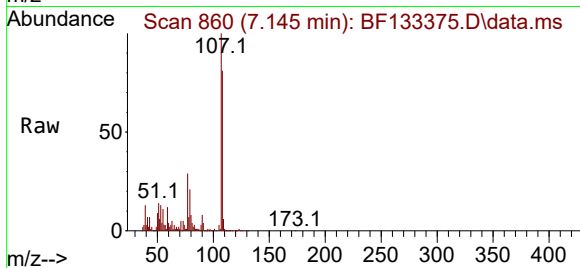
Acq: 12 May 2023 18:18

Instrument :

BNA_F

ClientSampleId :

PL-OILYWATERDL



Tgt Ion:107 Resp: 493917

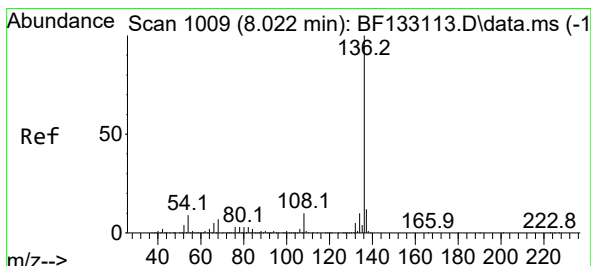
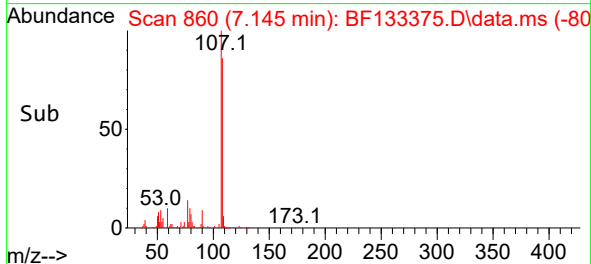
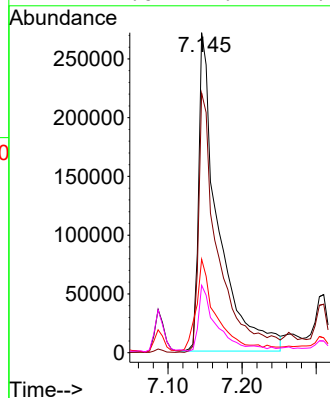
Ion Ratio Lower Upper

107 100

108 81.1 70.5 110.5

77 29.2 91.7 131.7#

79 21.0 7.1 47.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.010 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF133375.D

Acq: 12 May 2023 18:18

Tgt Ion:136 Resp: 383193

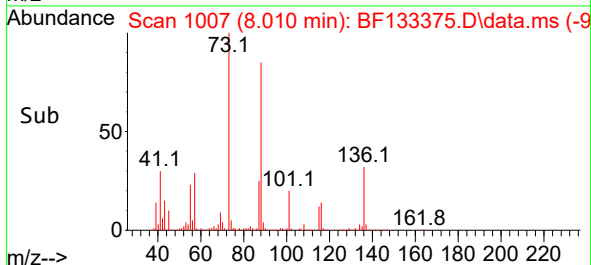
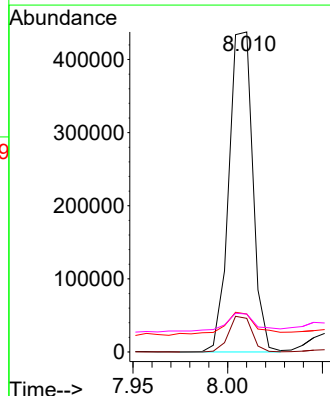
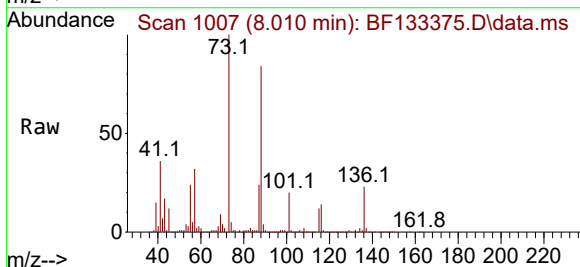
Ion Ratio Lower Upper

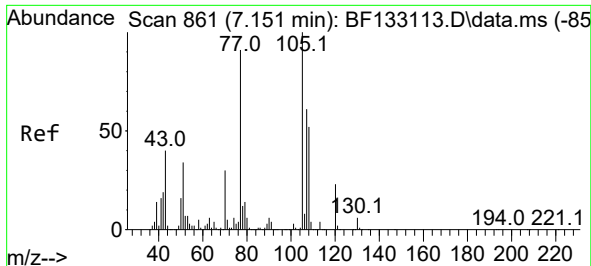
136 100

137 10.5 8.6 13.0

54 11.9 7.0 10.4#

68 11.9 5.4 8.2#

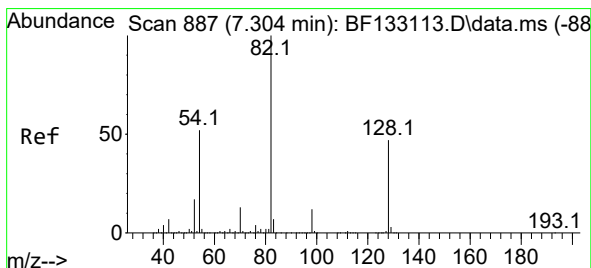
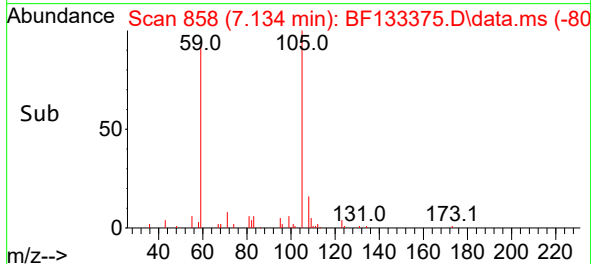
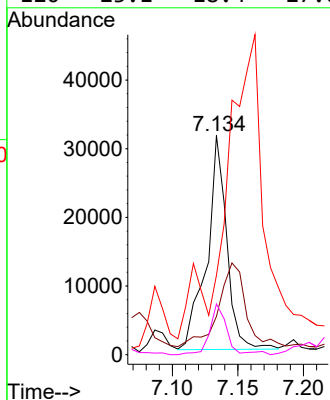
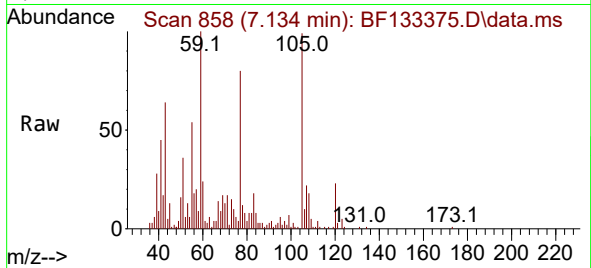




#22
Acetophenone
Concen: 3.713 ng
RT: 7.134 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF133375.D
Acq: 12 May 2023 18:18

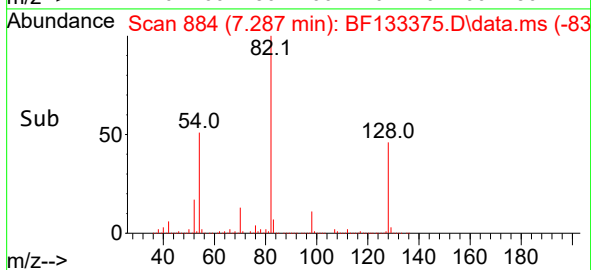
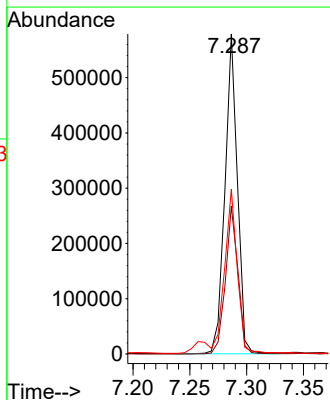
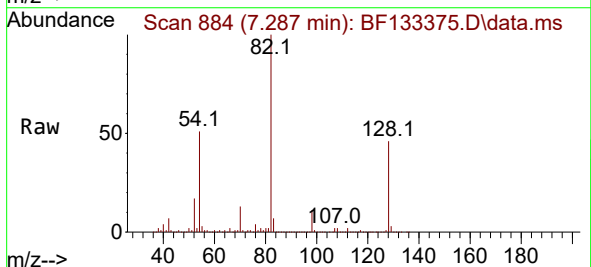
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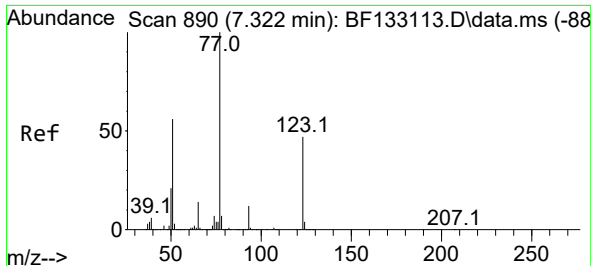
Tgt Ion:105 Resp: 32962
Ion Ratio Lower Upper
105 100
71 17.5 4.6 7.0#
51 36.2 28.2 42.2
120 23.1 18.4 27.6



#23
Nitrobenzene-d5
Concen: 62.487 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF133375.D
Acq: 12 May 2023 18:18

Tgt Ion: 82 Resp: 443608
Ion Ratio Lower Upper
82 100
128 46.1 37.7 56.5
54 51.4 43.0 64.4

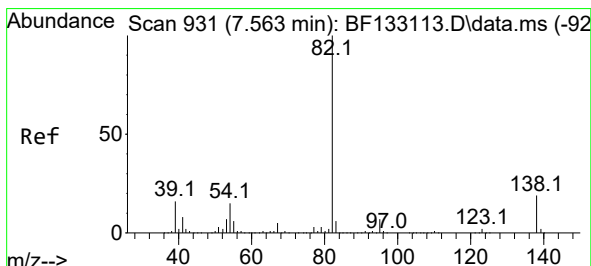
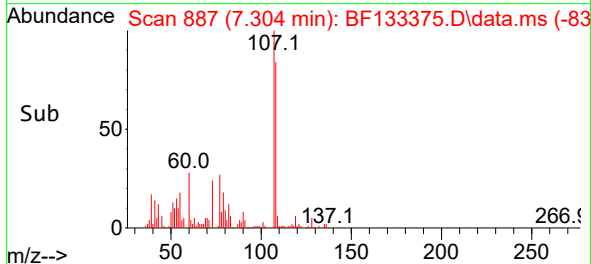
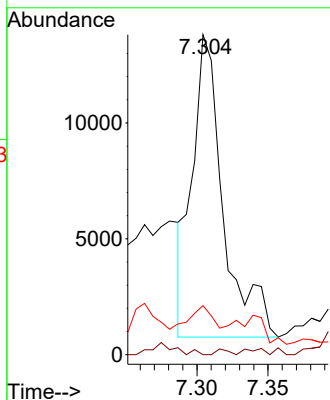
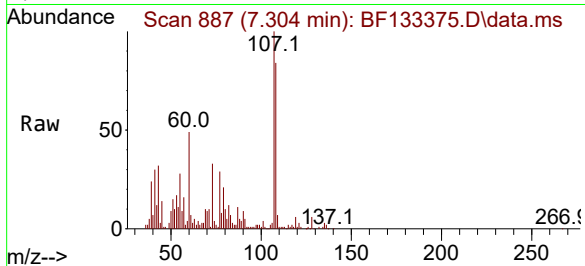




#24
Nitrobenzene
Concen: 2.763 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF133375.D
Acq: 12 May 2023 18:18

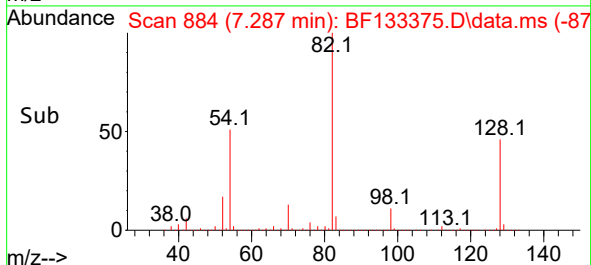
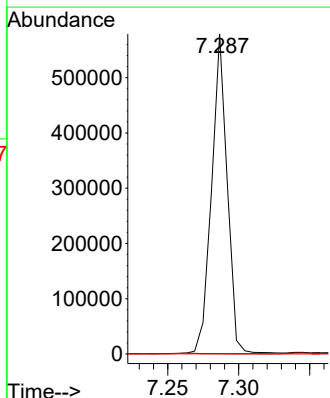
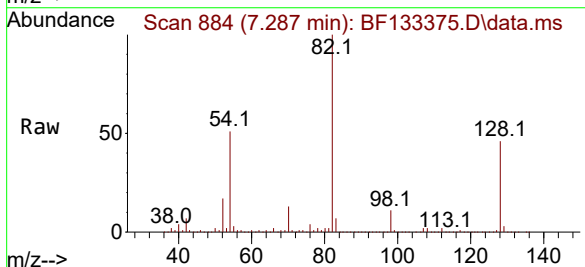
Instrument :
BNA_F
ClientSampleId :
PL-OILYWATERDL

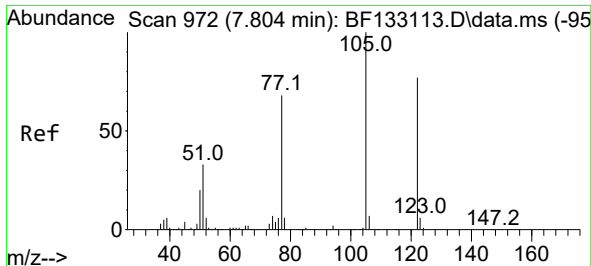
Tgt Ion: 77 Resp: 19877
Ion Ratio Lower Upper
77 100
123 0.0 39.9 59.9#
65 15.4 10.7 16.1



#25
Isophorone
Concen: 32.703 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.259 min
Lab File: BF133375.D
Acq: 12 May 2023 18:18

Tgt Ion: 82 Resp: 440807
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#

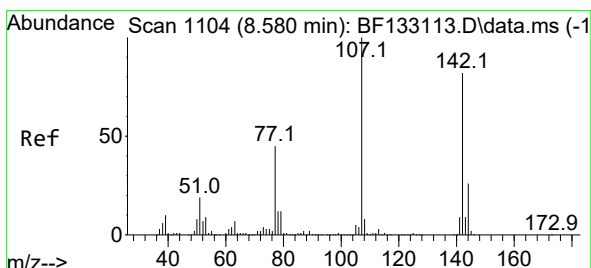
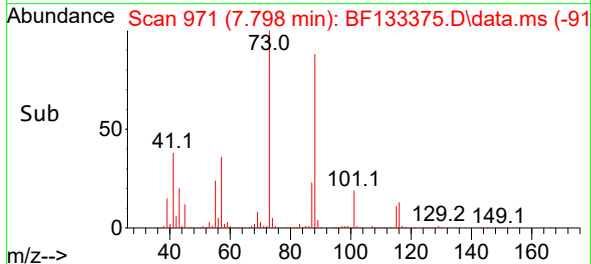
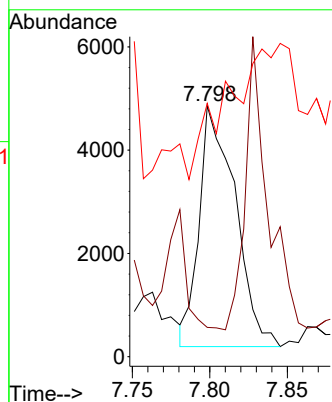
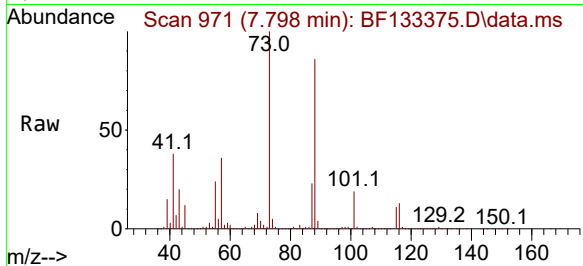




#32
Benzoic acid
Concen: 2.044 ng
RT: 7.798 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF133375.D
Acq: 12 May 2023 18:18

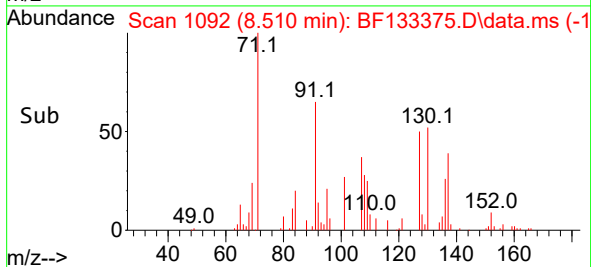
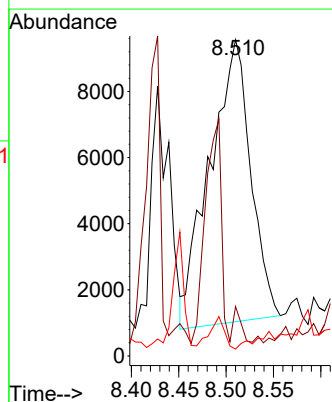
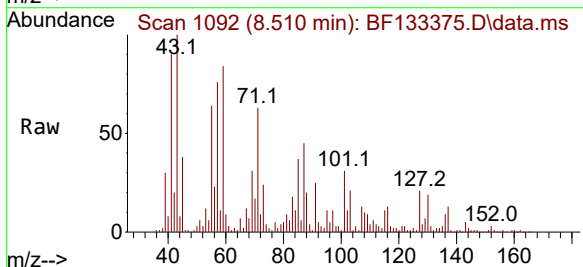
Instrument :
BNA_F
ClientSampleId :
PL-OILYWATERDL

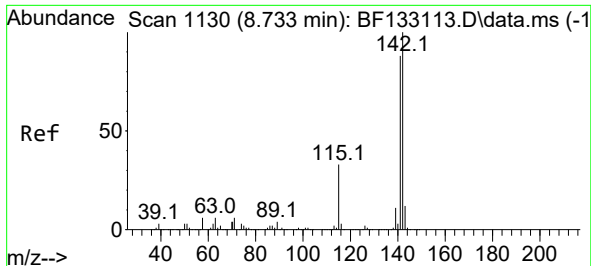
Tgt Ion:122 Resp: 7512
Ion Ratio Lower Upper
122 100
105 11.6 104.2 144.2#
77 101.0 69.7 109.7



#36
4-Chloro-3-methylphenol
Concen: 4.396 ng
RT: 8.510 min Scan# 1092
Delta R.T. -0.059 min
Lab File: BF133375.D
Acq: 12 May 2023 18:18

Tgt Ion:107 Resp: 25678
Ion Ratio Lower Upper
107 100
144 15.6 20.6 30.8#
142 2.2 62.8 94.2#





#37

2-Methylnaphthalene

Concen: 3.152 ng

RT: 8.734 min Scan# 1130

Delta R.T. 0.012 min

Lab File: BF133375.D

Acq: 12 May 2023 18:18

Instrument :

BNA_F

ClientSampleId :

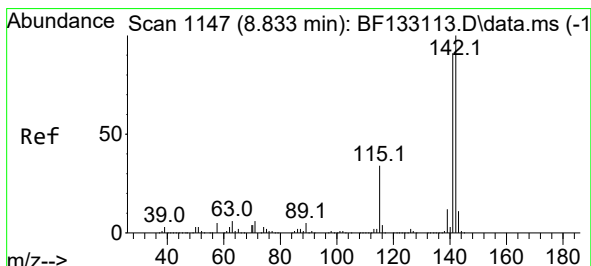
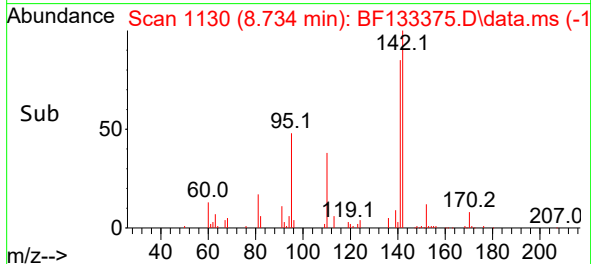
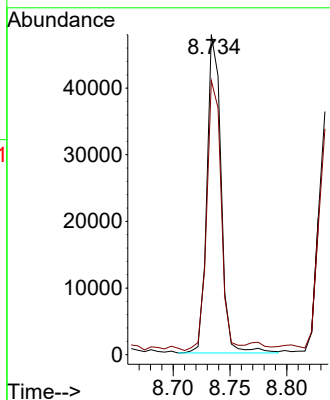
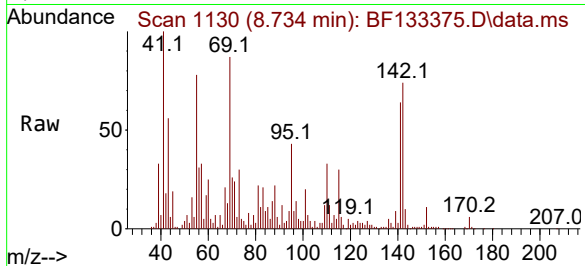
PL-OILYWATERDL

Tgt Ion:142 Resp: 41285

Ion Ratio Lower Upper

142 100

141 85.7 69.4 104.0



#38

1-Methylnaphthalene

Concen: 2.233 ng

RT: 8.834 min Scan# 1147

Delta R.T. 0.012 min

Lab File: BF133375.D

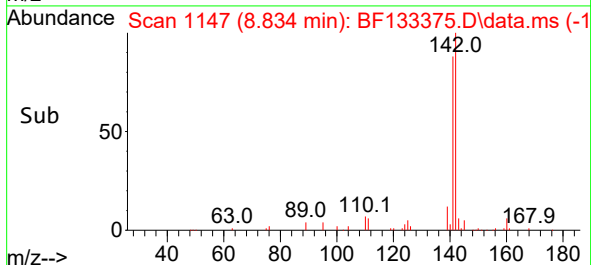
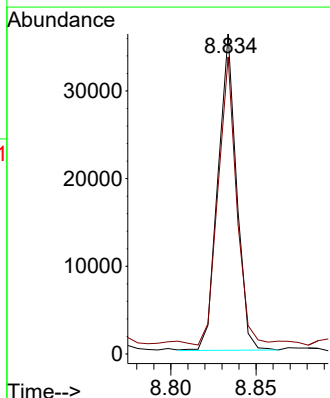
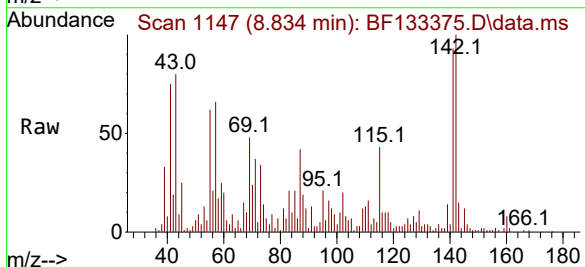
Acq: 12 May 2023 18:18

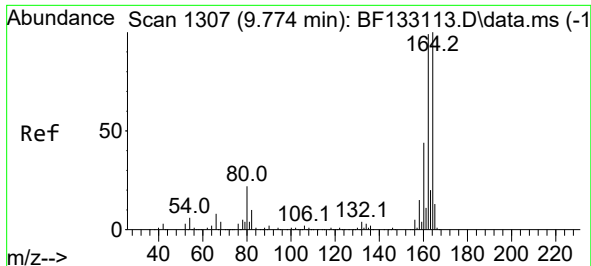
Tgt Ion:142 Resp: 27358

Ion Ratio Lower Upper

142 100

141 92.9 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF133375.D

Acq: 12 May 2023 18:18

Instrument :

BNA_F

ClientSampleId :

PL-OILYWATERDL

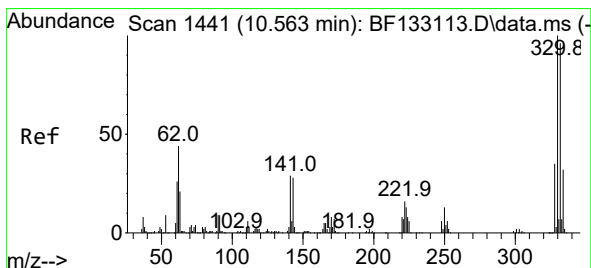
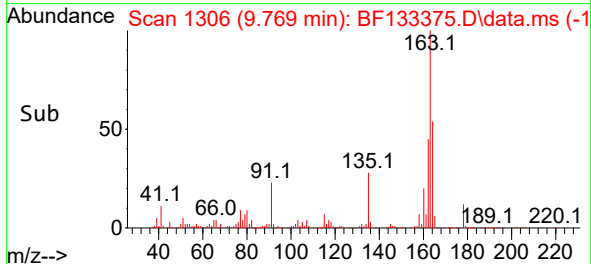
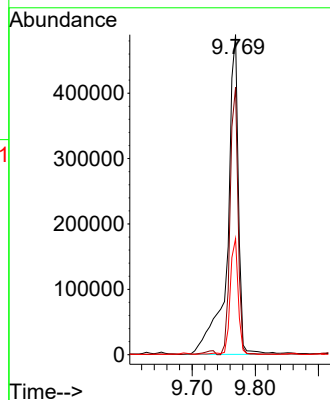
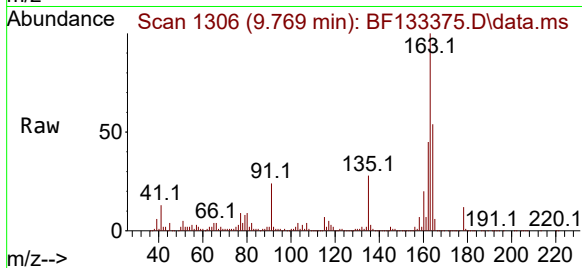
Tgt Ion:164 Resp: 591970

Ion Ratio Lower Upper

164 100

162 83.5 78.7 118.1

160 36.3 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 18.692 ng

RT: 10.557 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF133375.D

Acq: 12 May 2023 18:18

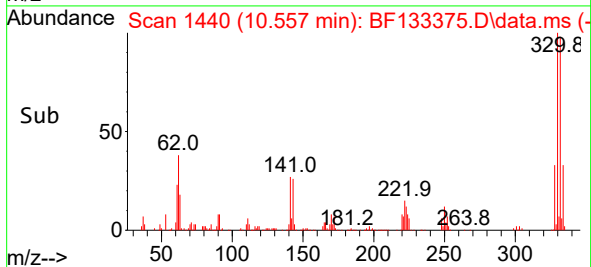
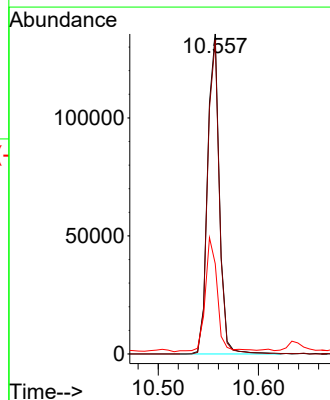
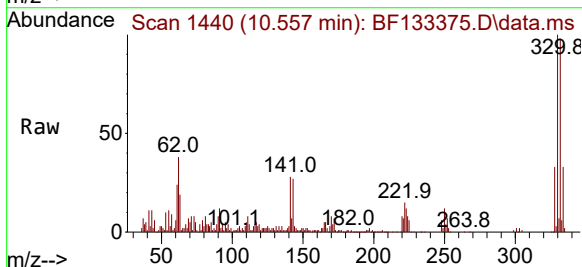
Tgt Ion:330 Resp: 111279

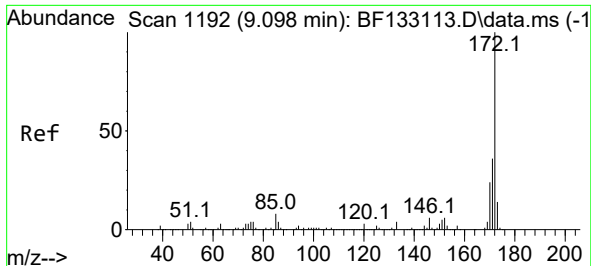
Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

141 36.8 25.8 38.8

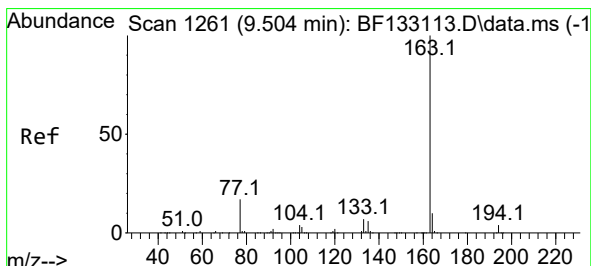
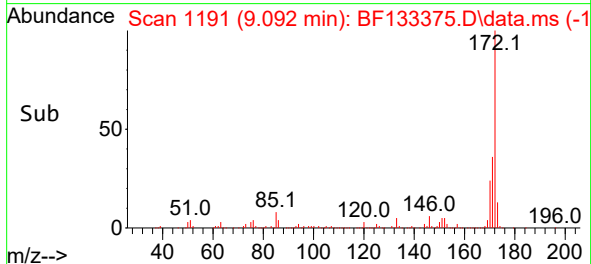
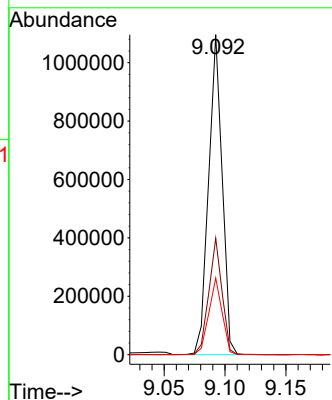
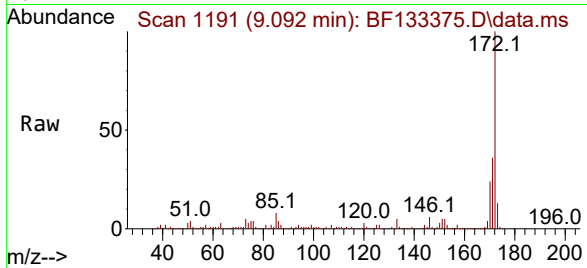




#45
2-Fluorobiphenyl
Concen: 23.950 ng
RT: 9.092 min Scan# 1192
Delta R.T. 0.006 min
Lab File: BF133375.D
Acq: 12 May 2023 18:18

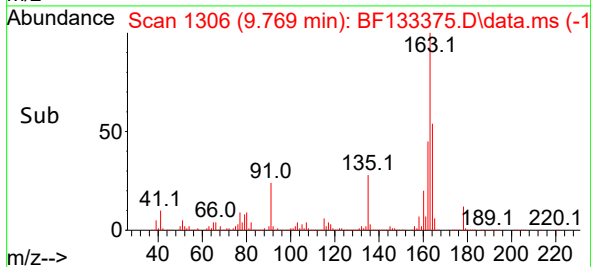
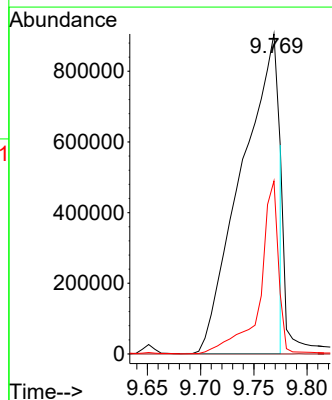
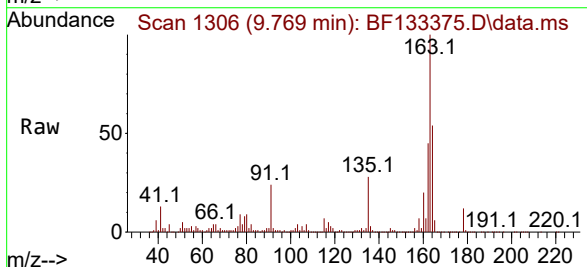
Instrument :
BNA_F
ClientSampleId :
PL-OILYWATERDL

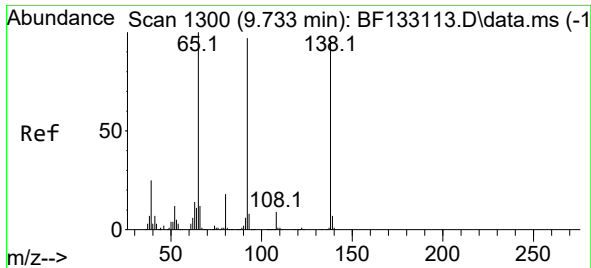
Tgt Ion:172 Resp: 847428
Ion Ratio Lower Upper
172 100
171 36.4 28.8 43.2
170 24.0 19.4 29.2



#50
Dimethylphthalate
Concen: 53.957 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.282 min
Lab File: BF133375.D
Acq: 12 May 2023 18:18

Tgt Ion:163 Resp: 2227198
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 54.1 8.5 12.7#

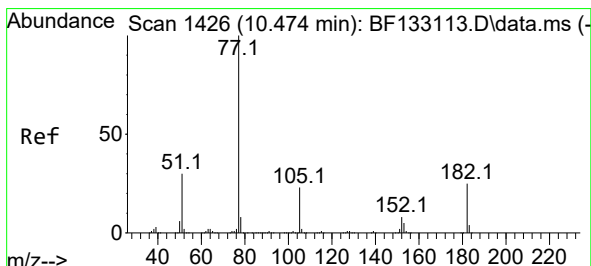
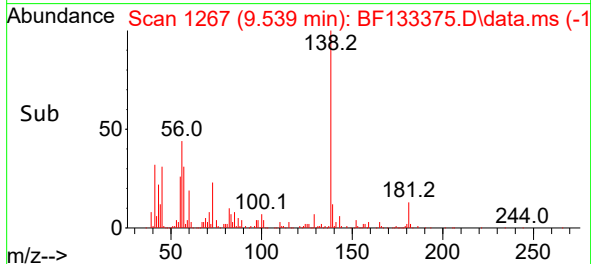
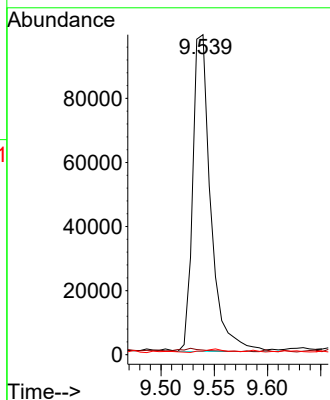
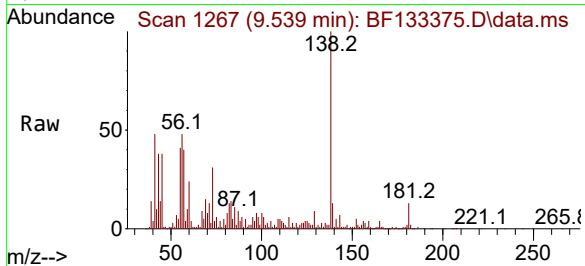




#53
3-Nitroaniline
Concen: 10.599 ng
RT: 9.539 min Scan# 1267
Delta R.T. -0.176 min
Lab File: BF133375.D
Acq: 12 May 2023 18:18

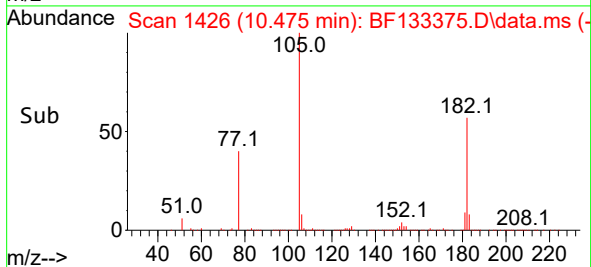
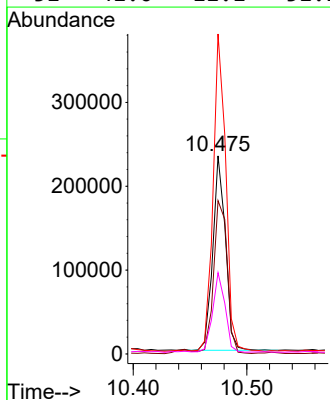
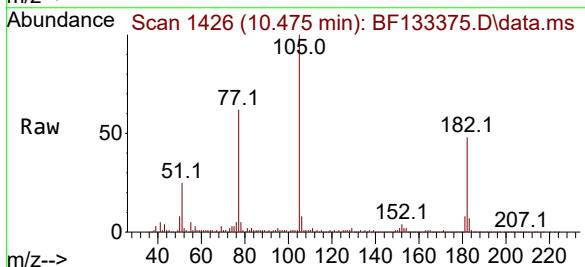
Instrument :
BNA_F
ClientSampleId :
PL-OILYWATERDL

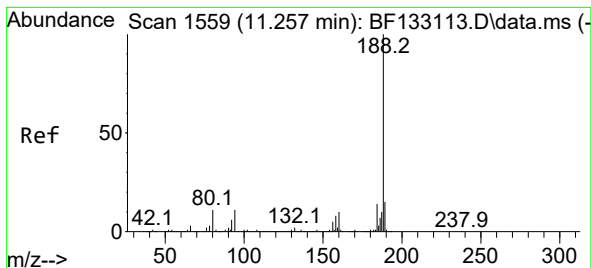
Tgt Ion:138 Resp: 117079
Ion Ratio Lower Upper
138 100
108 1.5 8.0 12.0#
92 1.1 83.6 125.4#



#63
Azobenzene
Concen: 4.345 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BF133375.D
Acq: 12 May 2023 18:18

Tgt Ion: 77 Resp: 179475
Ion Ratio Lower Upper
77 100
182 77.4 5.9 45.9#
105 161.5 2.3 42.3#
51 41.0 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF133375.D

Acq: 12 May 2023 18:18

Instrument :

BNA_F

ClientSampleId :

PL-OILYWATERDL

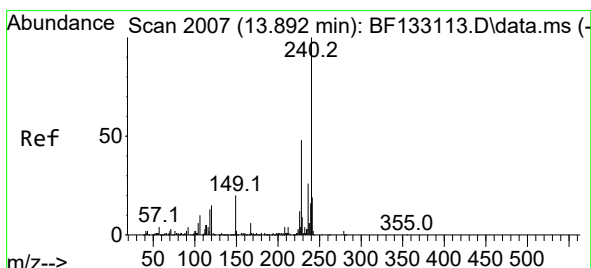
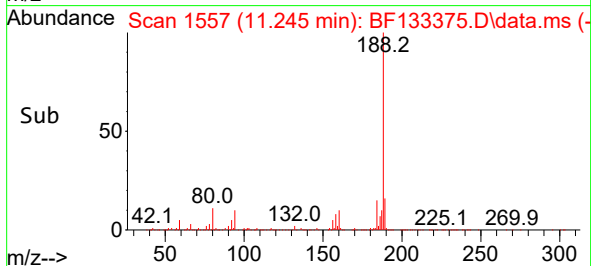
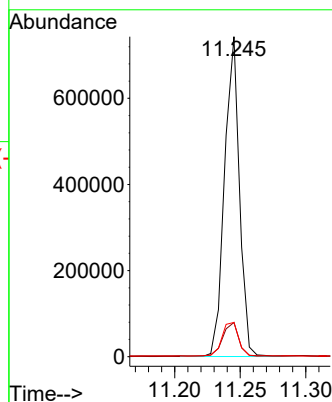
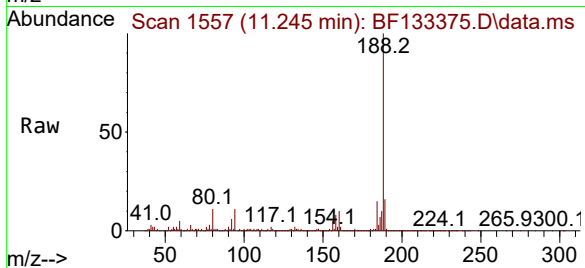
Tgt Ion:188 Resp: 585130

Ion Ratio Lower Upper

188 100

94 10.7 9.7 14.5

80 10.7 10.4 15.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BF133375.D

Acq: 12 May 2023 18:18

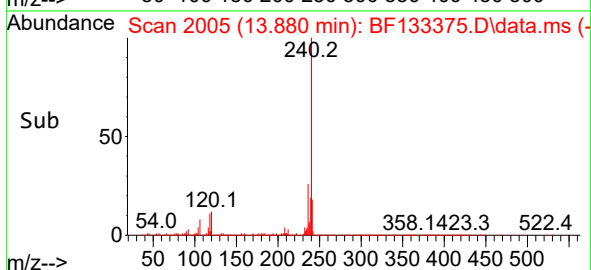
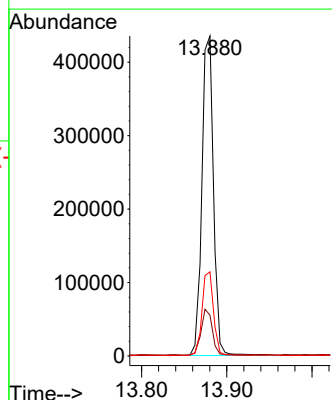
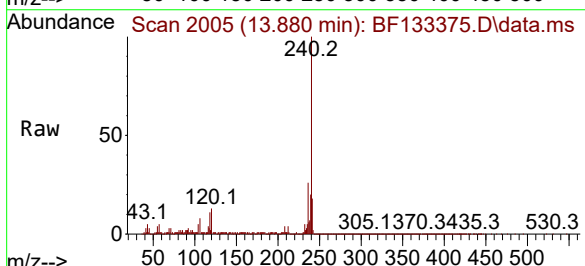
Tgt Ion:240 Resp: 410968

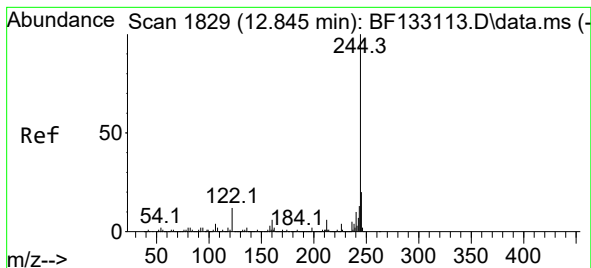
Ion Ratio Lower Upper

240 100

120 12.7 10.5 15.7

236 26.3 21.5 32.3





#79

Terphenyl-d14

Concen: 24.063 ng

RT: 12.822 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133375.D

Acq: 12 May 2023 18:18

Instrument :

BNA_F

ClientSampleId :

PL-OILYWATERDL

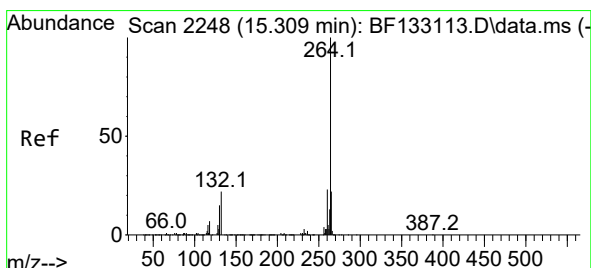
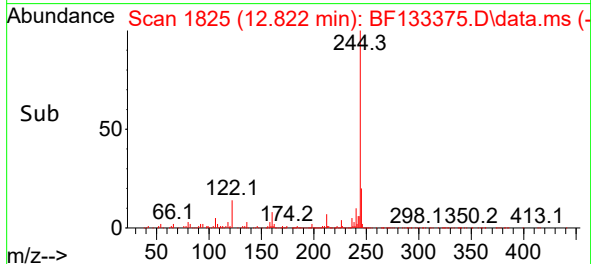
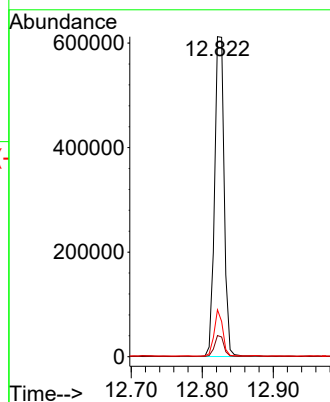
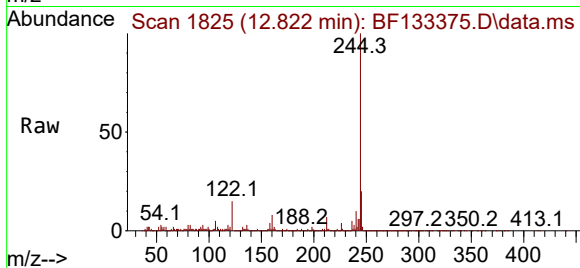
Tgt Ion:244 Resp: 573393

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 14.6 8.6 13.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. 0.012 min

Lab File: BF133375.D

Acq: 12 May 2023 18:18

Tgt Ion:264 Resp: 318813

Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 21.3 17.0 25.4

