

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135373.D
 Acq On : 21 Sep 2023 11:26
 Operator : CG\JU
 Sample : 04474-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H-2313-WATER

Quant Time: Sep 21 12:05:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

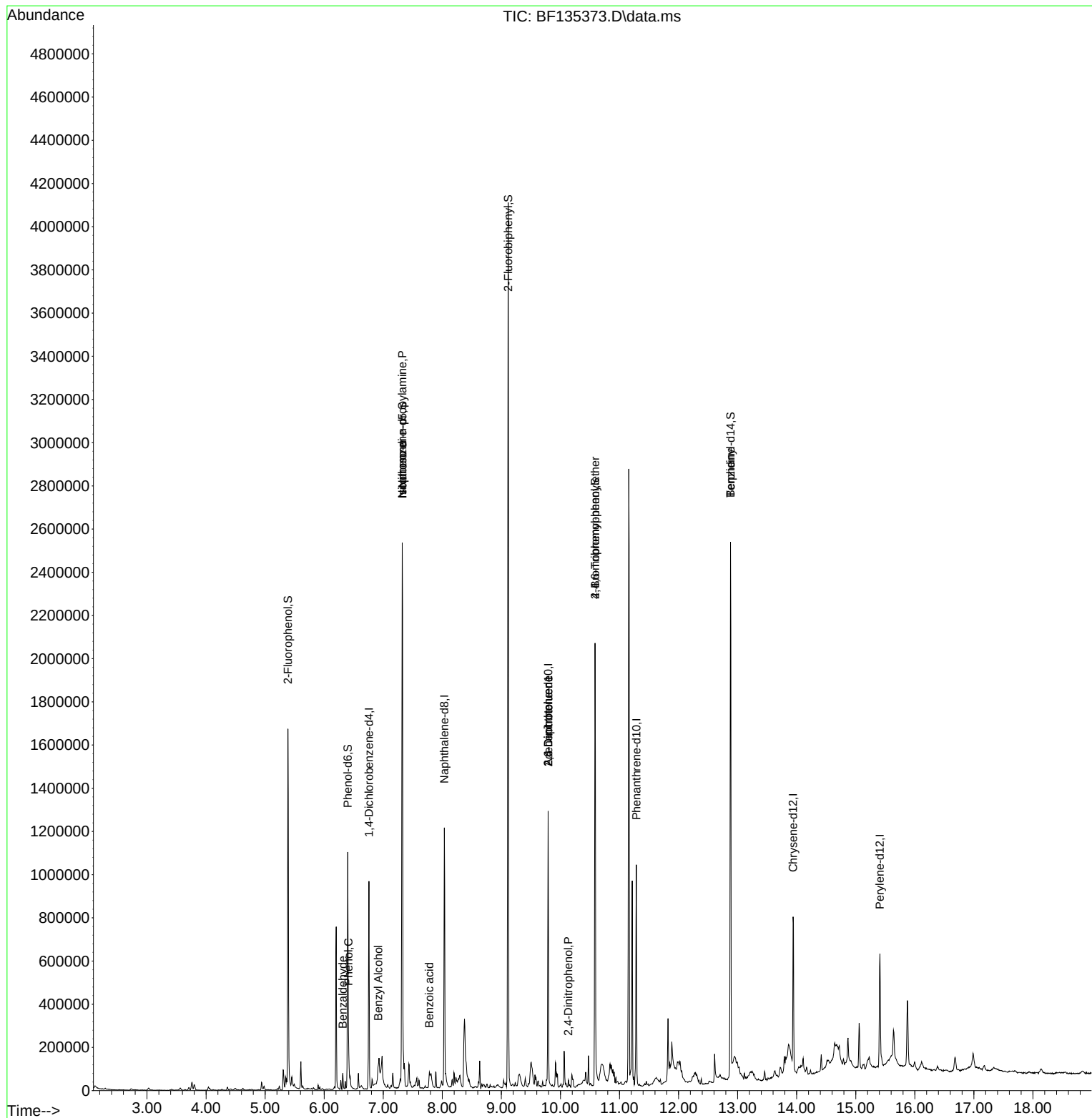
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	131354	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	505590	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	228770	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	363236	20.000	ng	0.00
76) Chrysene-d12	13.939	240	248091	20.000	ng	# 0.00
86) Perylene-d12	15.409	264	250455	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	466197	57.725	ng	0.00
7) Phenol-d6	6.398	99	357724	34.834	ng	0.00
23) Nitrobenzene-d5	7.322	82	859428	92.352	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	247076	108.680	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1367350	90.176	ng	-0.01
79) Terphenyl-d14	12.880	244	904109	56.493	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.316	77	13222	2.260	ng	# 81
10) Phenol	6.410	94	23304	2.070	ng	96
15) Benzyl Alcohol	6.916	79	15597	2.117	ng	93
19) n-Nitroso-di-n-propyla...	7.322	70	114096	17.937	ng	# 80
25) Isophorone	7.322	82	857673	50.191	ng	# 65
32) Benzoic acid	7.781	122	12249	2.192	ng	96
51) 2,6-Dinitrotoluene	9.792	165	29252	8.633	ng	# 17
54) 2,4-Dinitrophenol	10.133	184	66	6.279	ng	# 1
57) 2,4-Dinitrotoluene	9.792	165	29252	6.896	ng	# 19
67) 4-Bromophenyl-phenylether	10.586	248	15524	4.297	ng	# 1
77) Benzidine	12.880	184	11591	2.281	ng	# 95

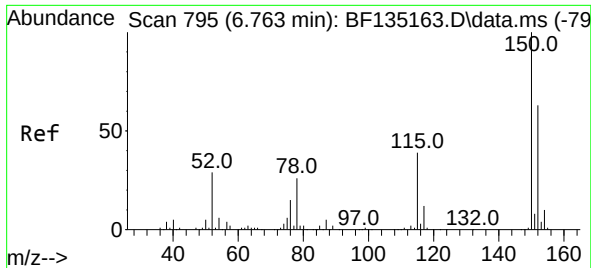
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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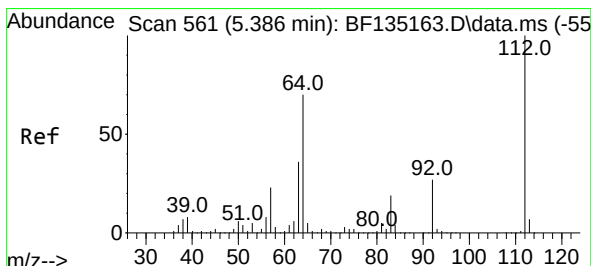
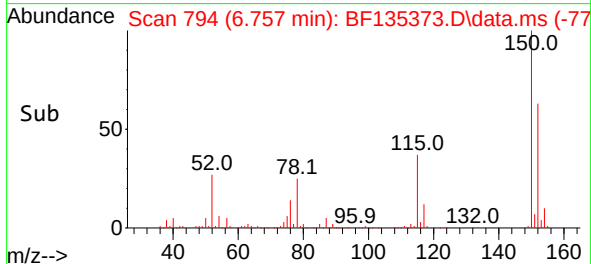
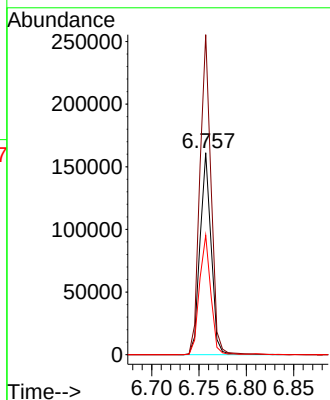
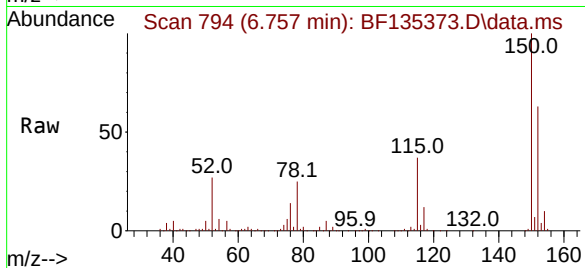




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135373.D
Acq: 21 Sep 2023 11:26

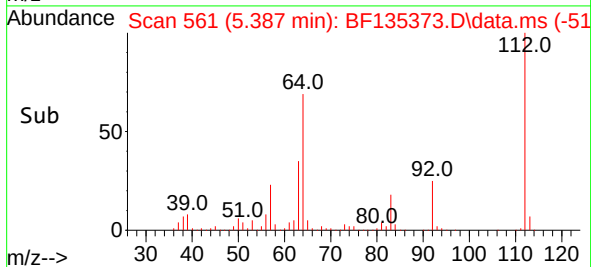
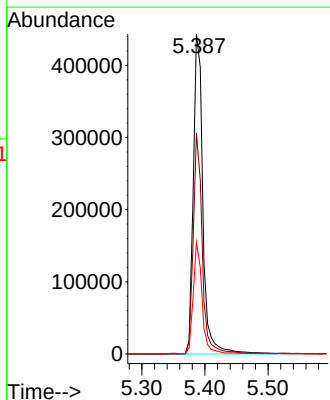
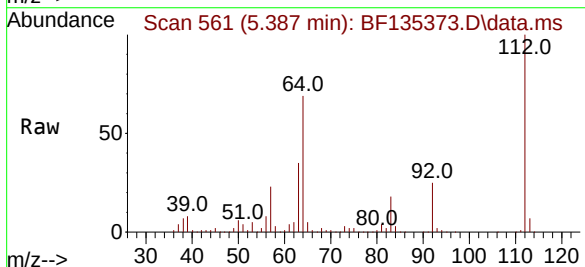
Instrument :
BNA_F
ClientSampleId :
H-2313-WATER

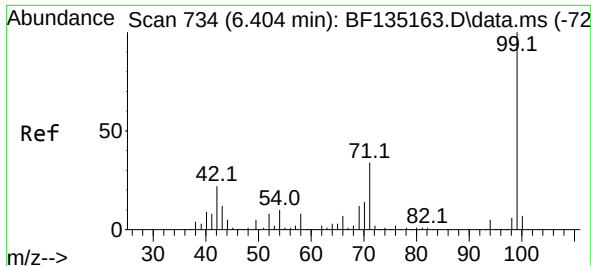
Tgt Ion:152 Resp: 131354
Ion Ratio Lower Upper
152 100
150 158.5 127.8 191.6
115 59.2 49.8 74.8



#5
2-Fluorophenol
Concen: 57.725 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135373.D
Acq: 21 Sep 2023 11:26

Tgt Ion:112 Resp: 466197
Ion Ratio Lower Upper
112 100
64 69.0 55.9 83.9
63 34.9 29.0 43.6





#7

Phenol-d6

Concen: 34.834 ng

RT: 6.398 min Scan# 719

Delta R.T. -0.006 min

Lab File: BF135373.D

Acq: 21 Sep 2023 11:26

Instrument :

BNA_F

ClientSampleId :

H-2313-WATER

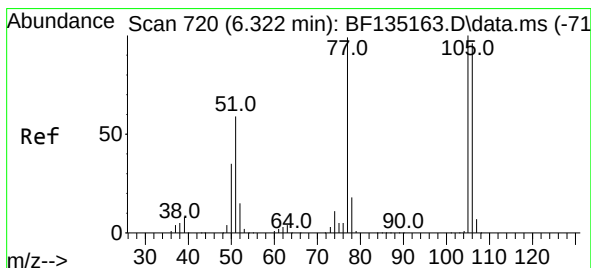
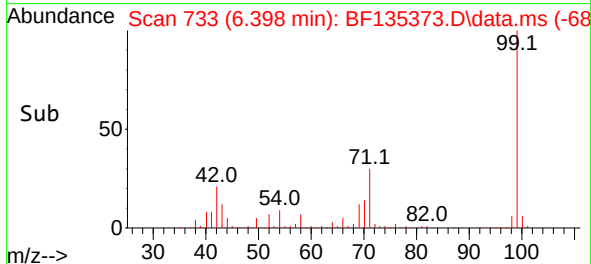
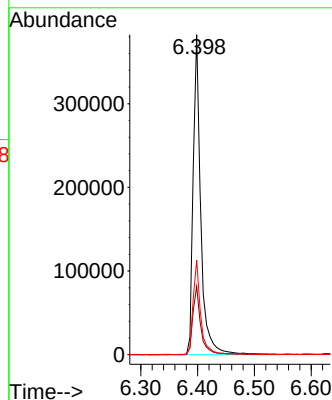
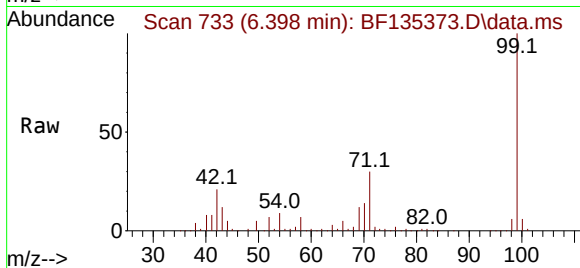
Tgt Ion: 99 Resp: 357724

Ion Ratio Lower Upper

99 100

42 21.3 17.9 26.9

71 29.6 27.0 40.6



#9

Benzaldehyde

Concen: 2.260 ng

RT: 6.316 min Scan# 719

Delta R.T. -0.006 min

Lab File: BF135373.D

Acq: 21 Sep 2023 11:26

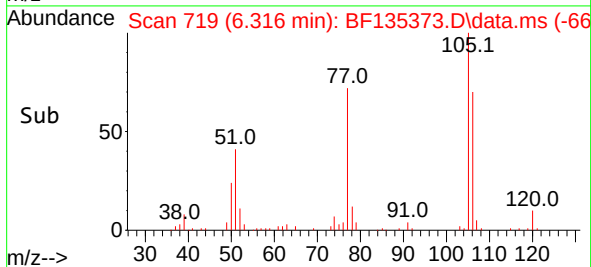
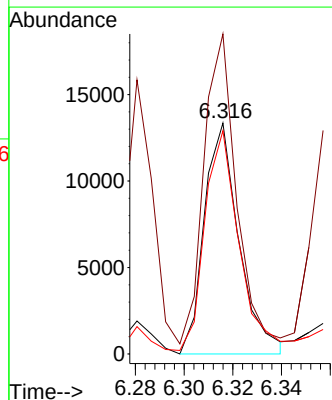
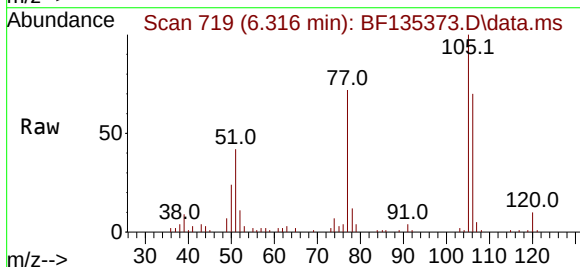
Tgt Ion: 77 Resp: 13222

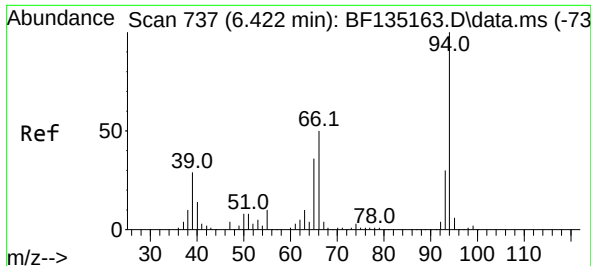
Ion Ratio Lower Upper

77 100

105 138.6 81.4 121.4#

106 96.7 76.9 116.9





#10

Phenol

Concen: 2.070 ng

RT: 6.410 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF135373.D

Acq: 21 Sep 2023 11:26

Instrument :

BNA_F

ClientSampleId :

H-2313-WATER

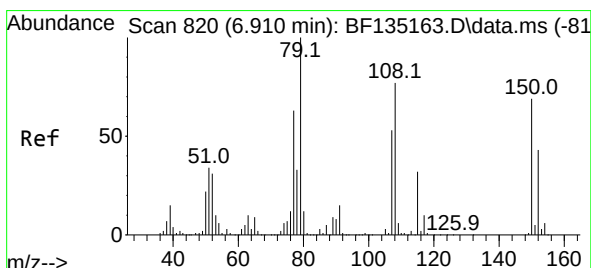
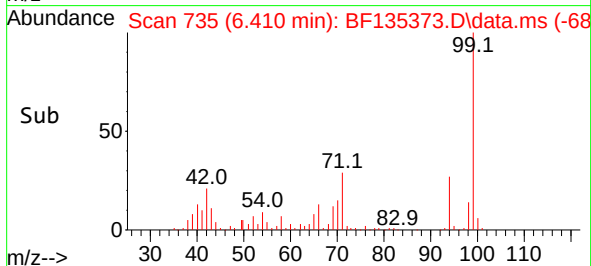
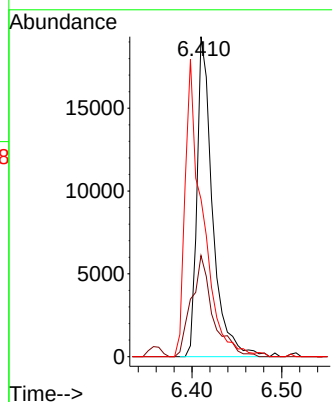
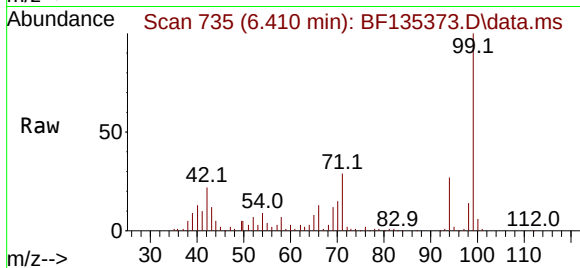
Tgt Ion: 94 Resp: 23304

Ion Ratio Lower Upper

94 100

65 31.6 15.9 55.9

66 49.2 29.8 69.8



#15

Benzyl Alcohol

Concen: 2.117 ng

RT: 6.916 min Scan# 821

Delta R.T. 0.006 min

Lab File: BF135373.D

Acq: 21 Sep 2023 11:26

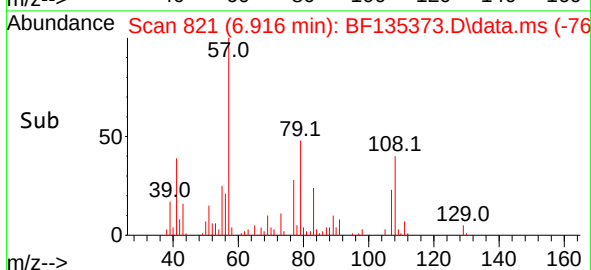
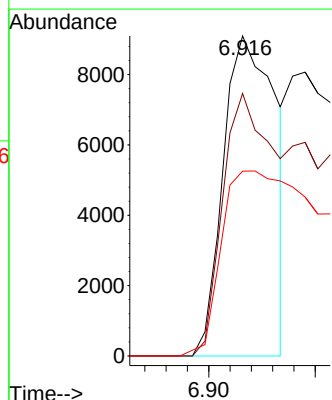
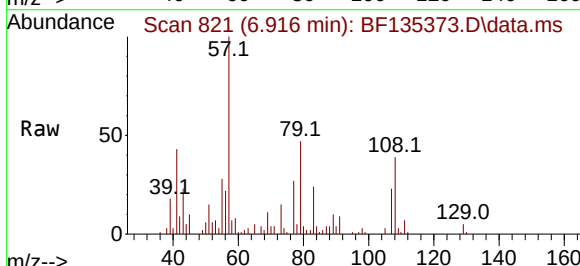
Tgt Ion: 79 Resp: 15597

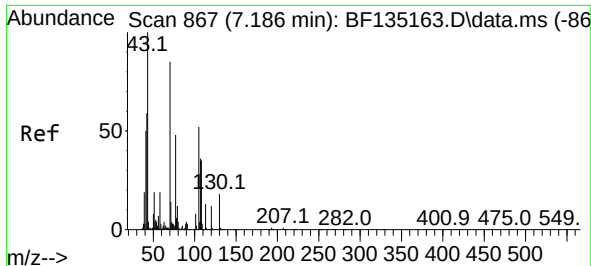
Ion Ratio Lower Upper

79 100

108 82.0 61.2 91.8

77 57.7 50.5 75.7

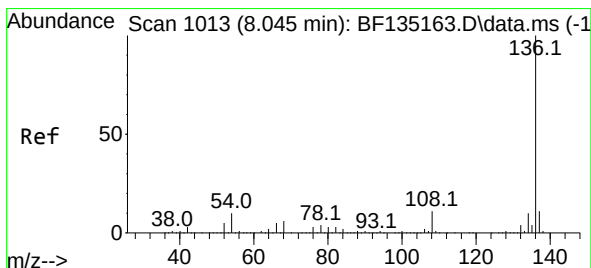
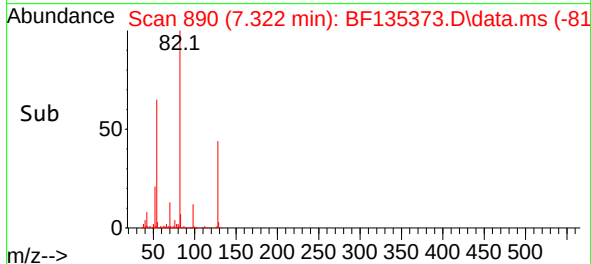
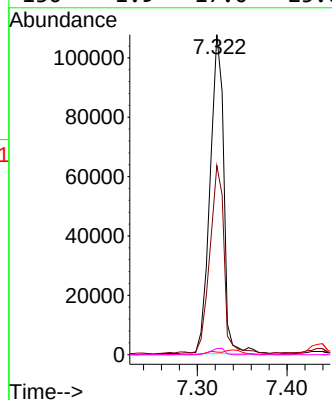
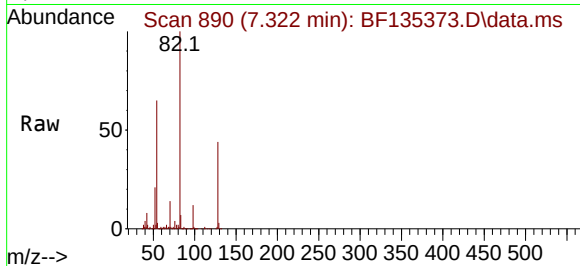




#19
n-Nitroso-di-n-propylamine
Concen: 17.937 ng
RT: 7.322 min Scan# 81
Delta R.T. 0.135 min
Lab File: BF135373.D
Acq: 21 Sep 2023 11:26

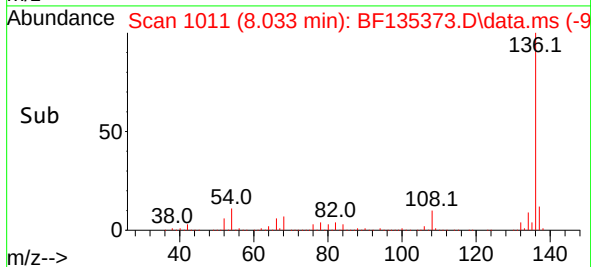
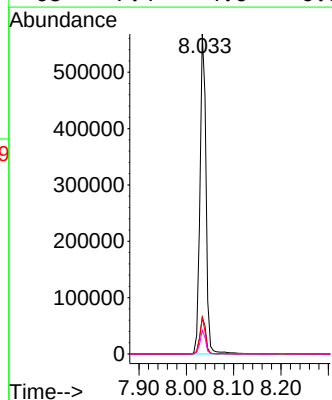
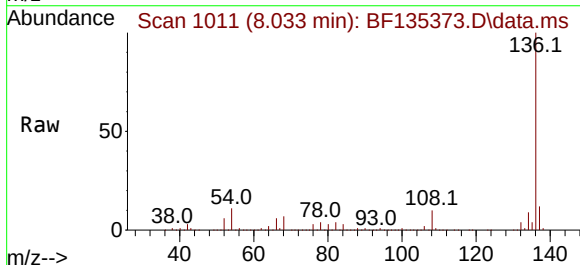
Instrument :
BNA_F
ClientSampleId :
H-2313-WATER

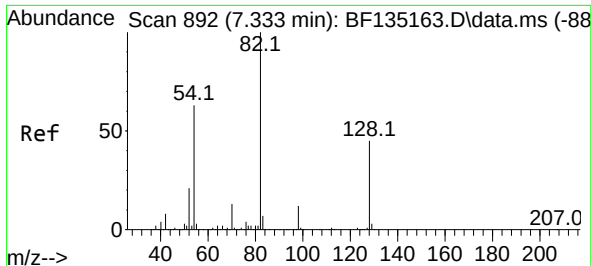
Tgt Ion: 70 Resp: 114096
Ion Ratio Lower Upper
70 100
42 59.1 55.4 83.0
101 0.8 7.7 11.5#
130 1.9 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135373.D
Acq: 21 Sep 2023 11:26

Tgt Ion:136 Resp: 505590
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 11.3 7.7 11.5
68 7.4 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 92.352 ng

RT: 7.322 min Scan# 890

Delta R.T. -0.012 min

Lab File: BF135373.D

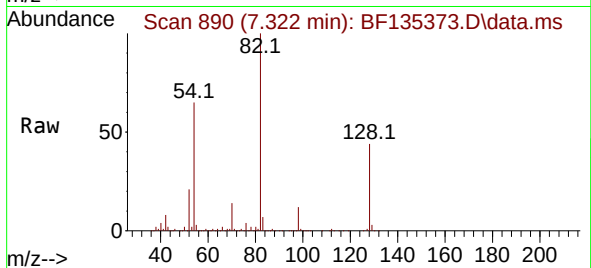
Acq: 21 Sep 2023 11:26

Instrument :

BNA_F

ClientSampleId :

H-2313-WATER



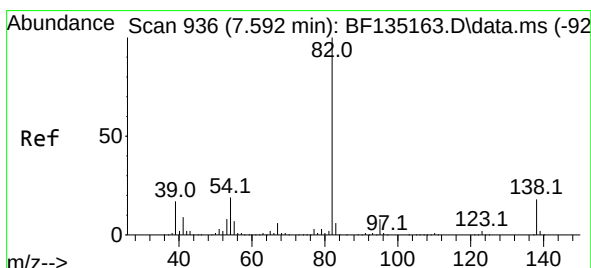
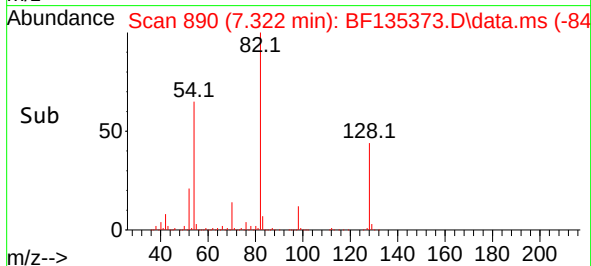
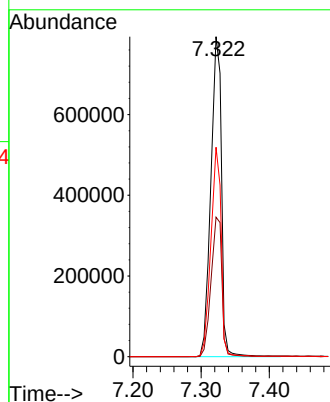
Tgt Ion: 82 Resp: 859428

Ion Ratio Lower Upper

82 100

128 43.6 35.8 53.6

54 65.4 50.6 76.0



#25

Isophorone

Concen: 50.191 ng

RT: 7.322 min Scan# 890

Delta R.T. -0.271 min

Lab File: BF135373.D

Acq: 21 Sep 2023 11:26

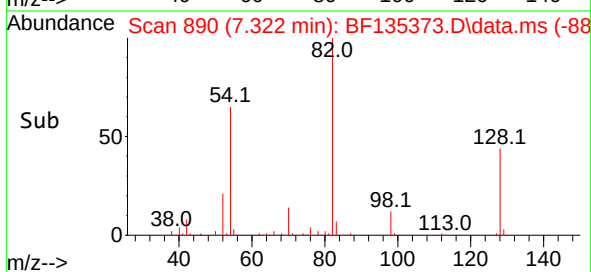
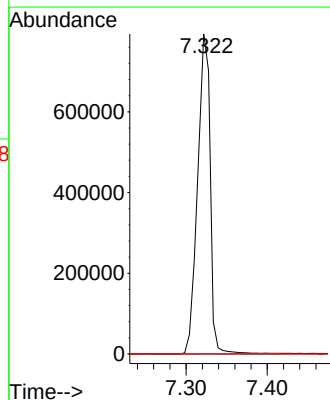
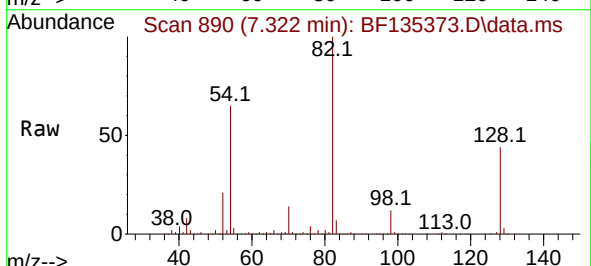
Tgt Ion: 82 Resp: 857673

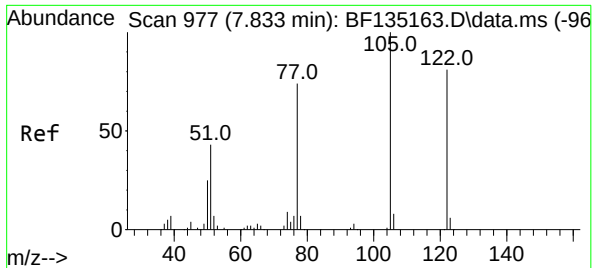
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.5 21.7#

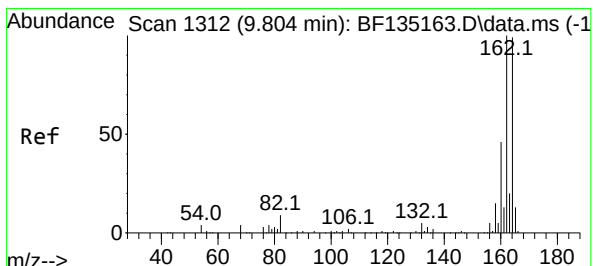
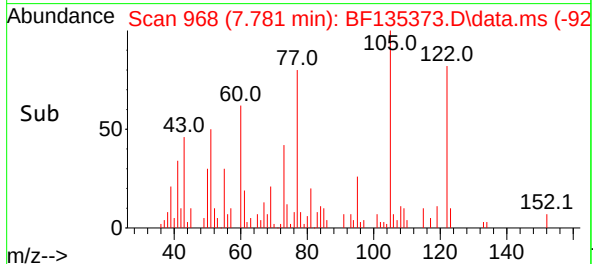
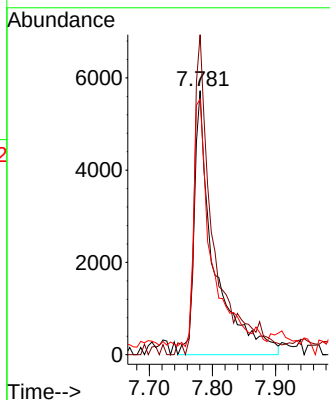
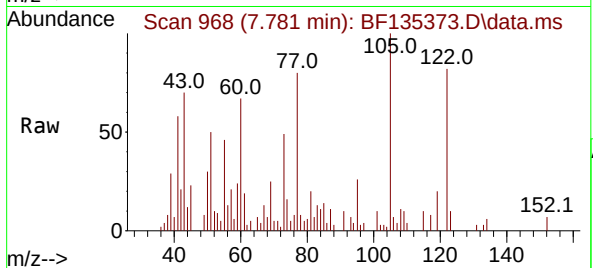




#32
Benzoic acid
Concen: 2.192 ng
RT: 7.781 min Scan# 90
Delta R.T. -0.053 min
Lab File: BF135373.D
Acq: 21 Sep 2023 11:26

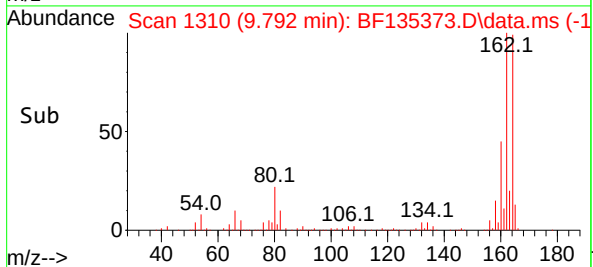
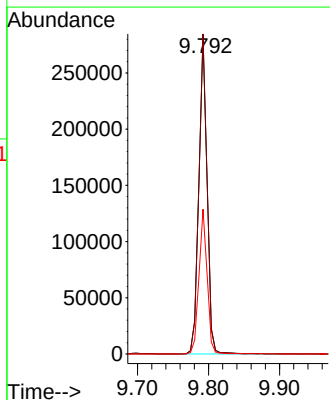
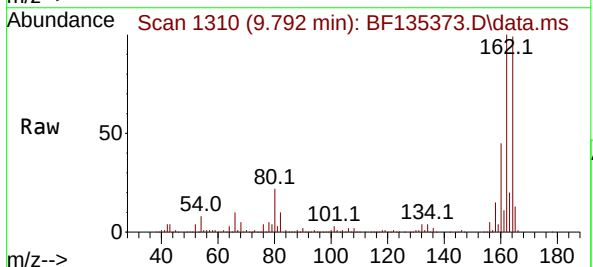
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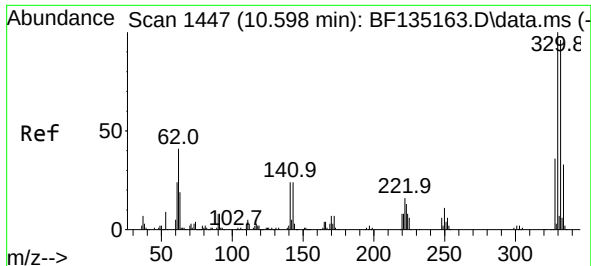
Tgt Ion:	122	Resp:	12249
Ion	Ratio	Lower	Upper
122	100		
105	121.2	99.9	139.9
77	96.9	70.0	110.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135373.D
Acq: 21 Sep 2023 11:26

Tgt Ion:	164	Resp:	228770
Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.0	121.4
160	45.7	37.0	55.4

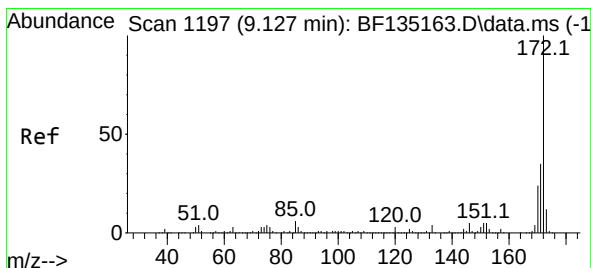
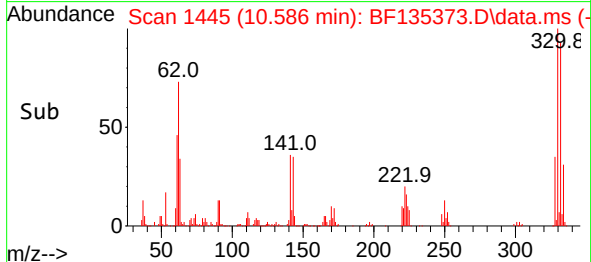
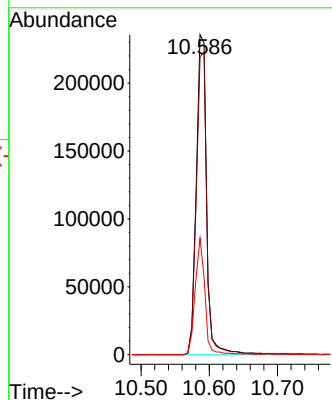
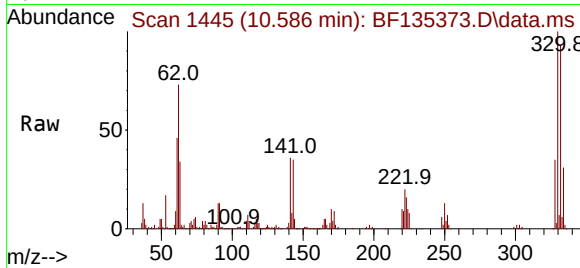




#42
2,4,6-Tribromophenol
Concen: 108.680 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135373.D
Acq: 21 Sep 2023 11:26

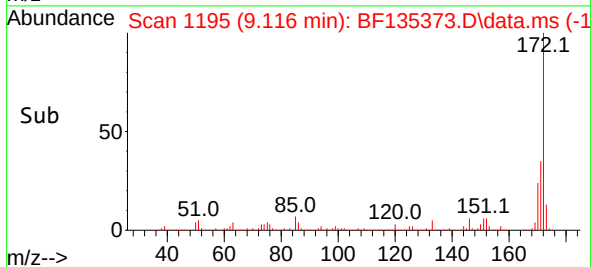
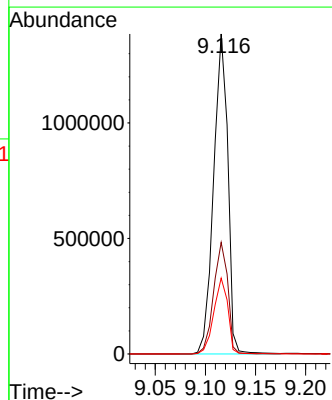
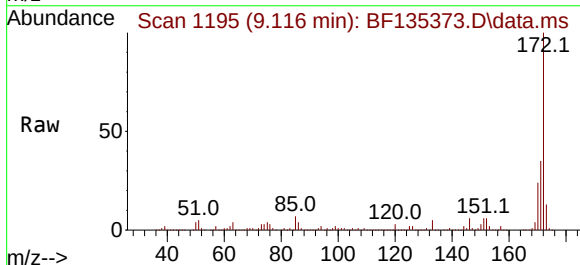
Instrument :
BNA_F
ClientSampleId :
H-2313-WATER

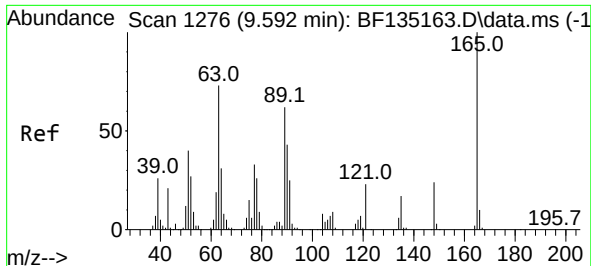
Tgt Ion:330 Resp: 247076
Ion Ratio Lower Upper
330 100
332 94.4 77.3 115.9
141 34.1 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 90.176 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135373.D
Acq: 21 Sep 2023 11:26

Tgt Ion:172 Resp: 1367350
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.7 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.633 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF135373.D

Acq: 21 Sep 2023 11:26

Instrument :

BNA_F

ClientSampleId :

H-2313-WATER

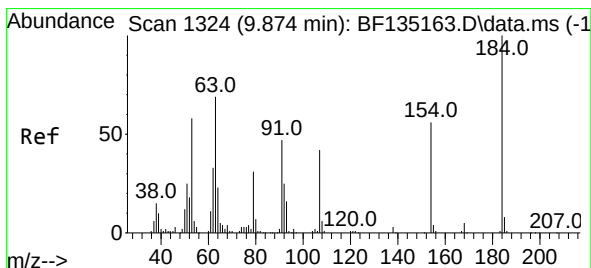
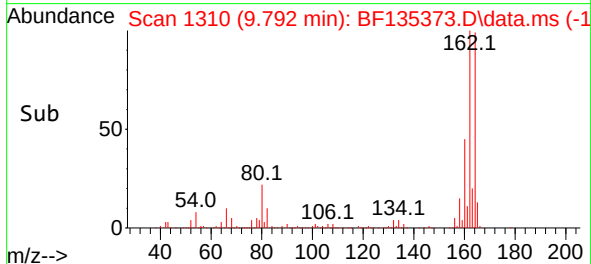
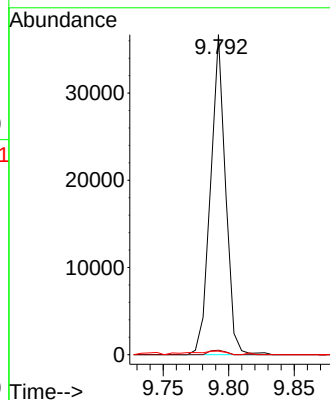
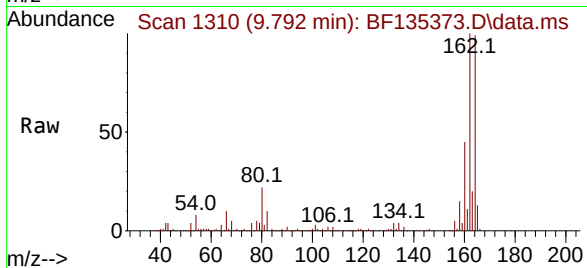
Tgt Ion:165 Resp: 29252

Ion Ratio Lower Upper

165 100

63 1.4 59.4 89.2#

89 1.1 49.8 74.8#



#54

2,4-Dinitrophenol

Concen: 6.279 ng

RT: 10.133 min Scan# 1368

Delta R.T. 0.259 min

Lab File: BF135373.D

Acq: 21 Sep 2023 11:26

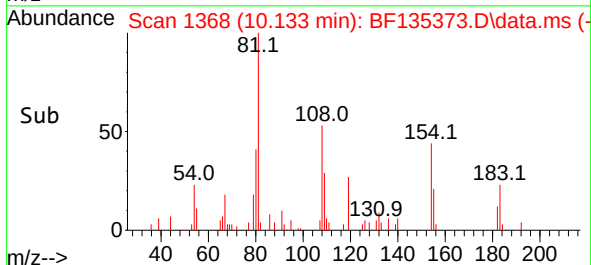
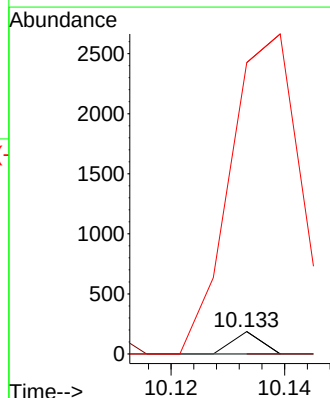
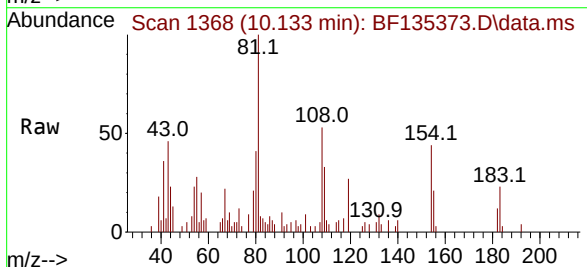
Tgt Ion:184 Resp: 66

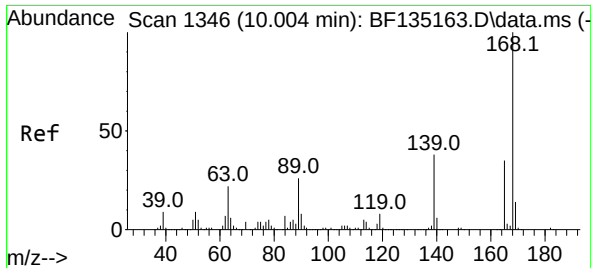
Ion Ratio Lower Upper

184 100

63 0.0 55.1 82.7#

154 1296.8 48.4 72.6#

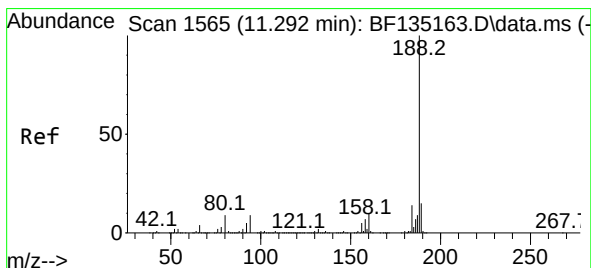
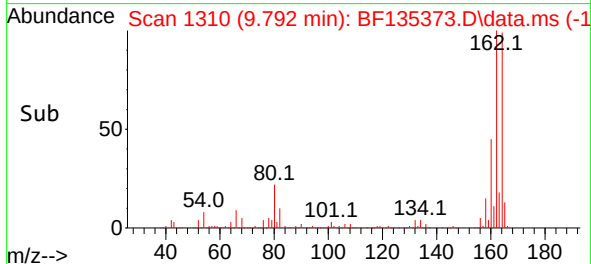
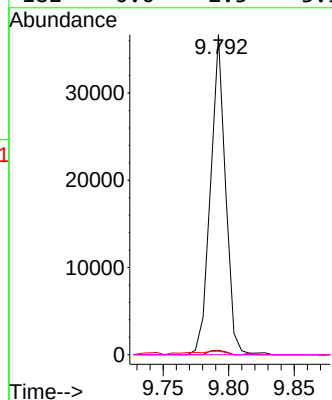
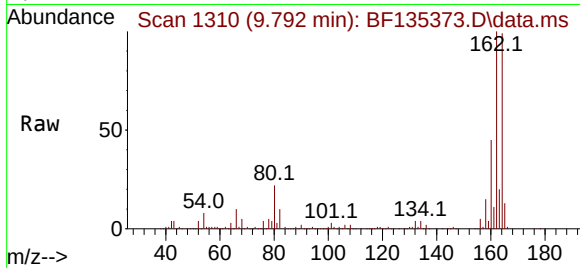




#57
2,4-Dinitrotoluene
Concen: 6.896 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135373.D
Acq: 21 Sep 2023 11:26

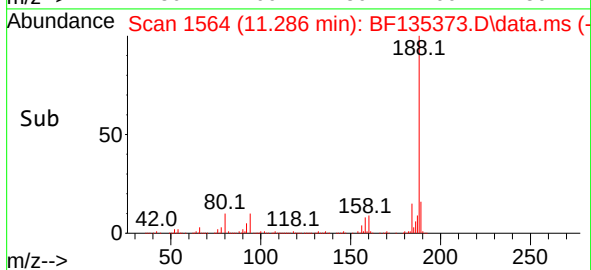
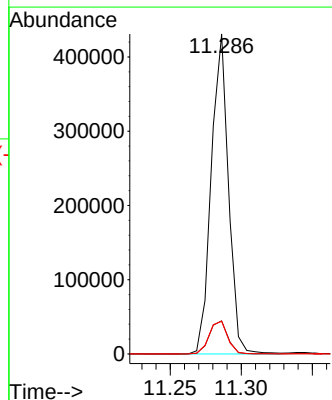
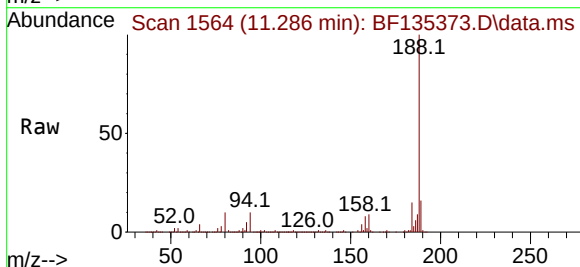
Instrument :
BNA_F
ClientSampleId :
H-2313-WATER

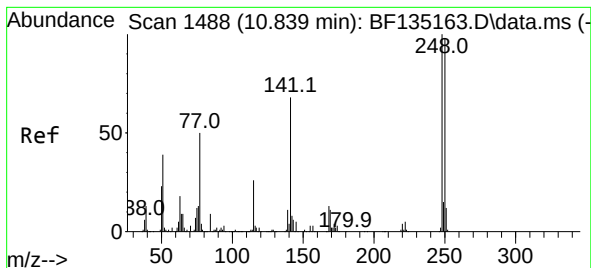
Tgt Ion:165	Resp:	29252
Ion Ratio	Lower	Upper
165	100	
63	1.4	50.1 75.1#
89	1.1	59.3 88.9#
182	0.0	2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135373.D
Acq: 21 Sep 2023 11:26

Tgt Ion:188	Resp:	363236
Ion Ratio	Lower	Upper
188	100	
94	10.4	7.0 10.6
80	10.2	7.5 11.3

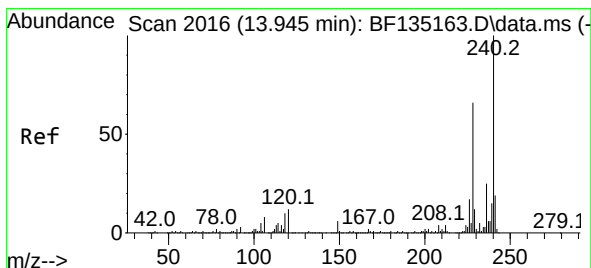
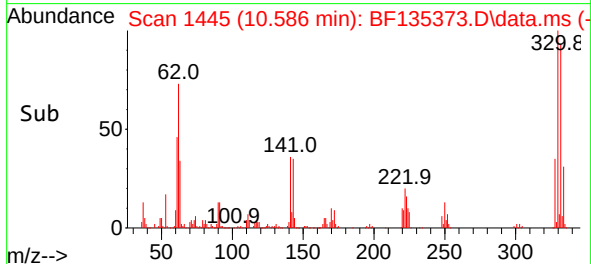
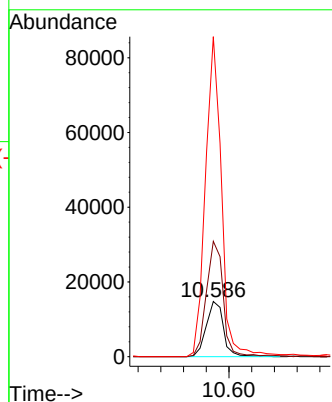
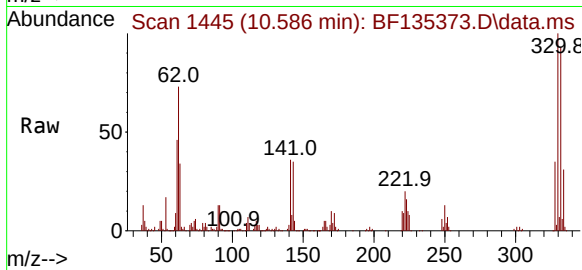




#67
4-Bromophenyl-phenylether
Concen: 4.297 ng
RT: 10.586 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF135373.D
Acq: 21 Sep 2023 11:26

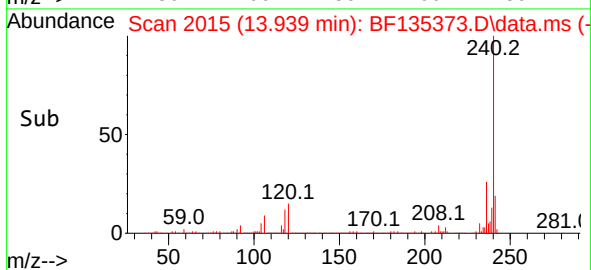
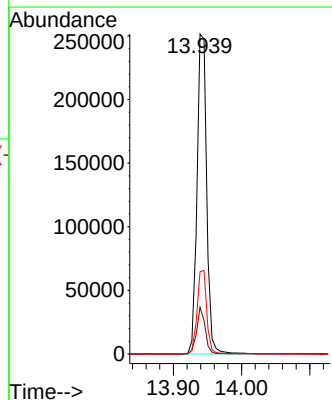
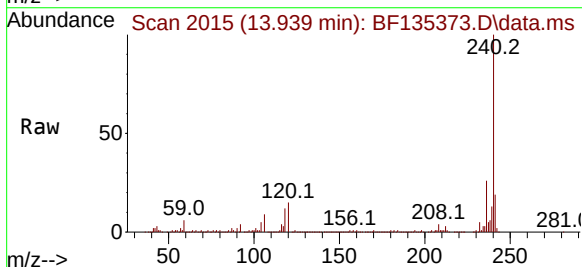
Instrument :
BNA_F
ClientSampleId :
H-2313-WATER

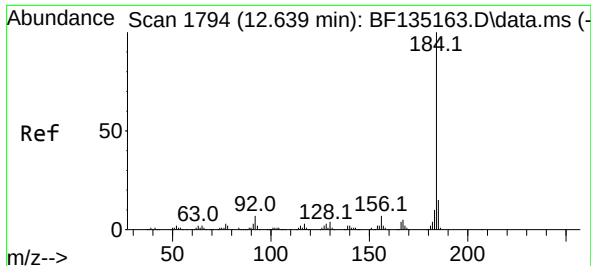
Tgt Ion:248 Resp: 15524
Ion Ratio Lower Upper
248 100
250 209.1 78.6 117.8#
141 580.2 54.2 81.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135373.D
Acq: 21 Sep 2023 11:26

Tgt Ion:240 Resp: 248091
Ion Ratio Lower Upper
240 100
120 14.6 9.4 14.2#
236 25.7 19.8 29.8

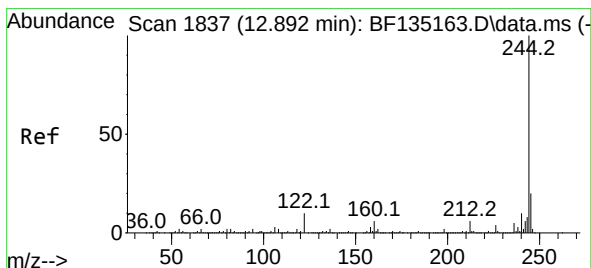
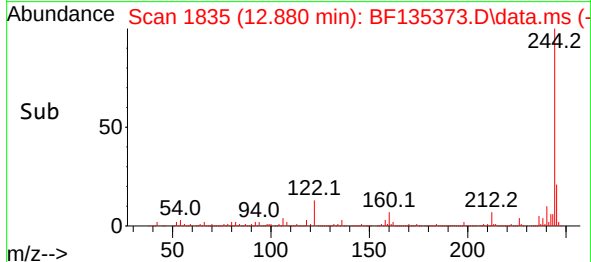
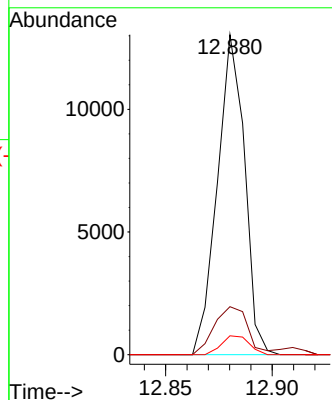
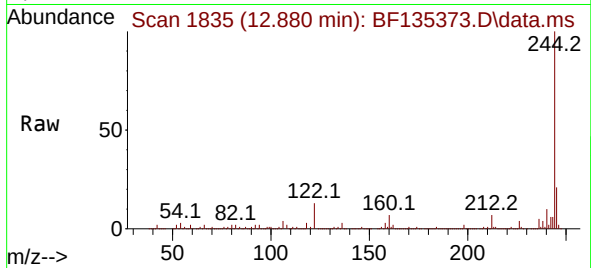




#77
Benzidine
Concen: 2.281 ng
RT: 12.880 min Scan# 1835
Delta R.T. 0.241 min
Lab File: BF135373.D
Acq: 21 Sep 2023 11:26

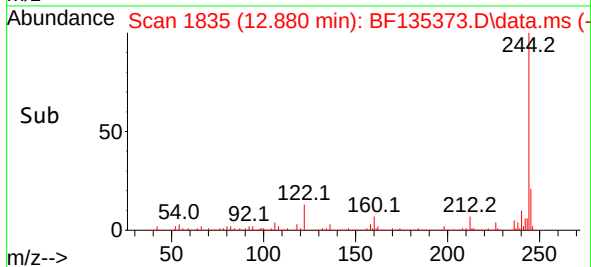
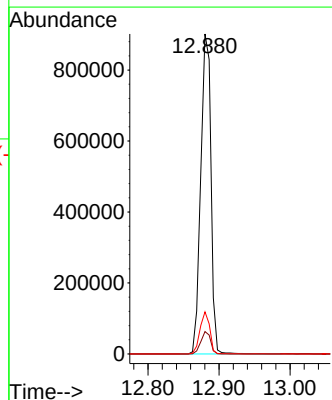
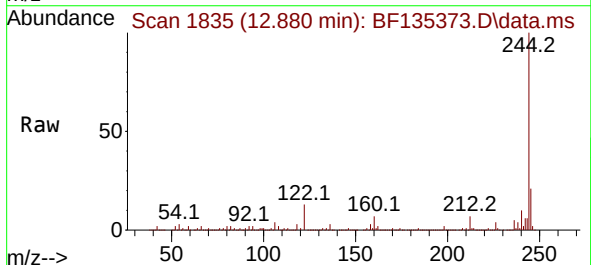
Instrument :
BNA_F
ClientSampleId :
H-2313-WATER

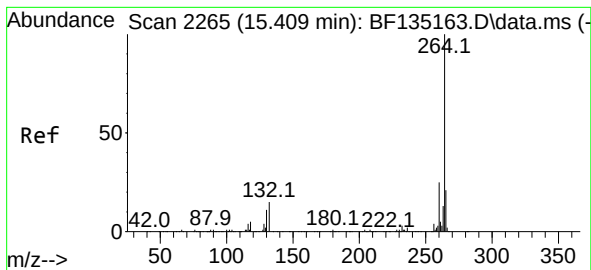
Tgt Ion:184 Resp: 11591
Ion Ratio Lower Upper
184 100
185 15.0 11.7 17.5
183 5.9 8.2 12.4#



#79
Terphenyl-d14
Concen: 56.493 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF135373.D
Acq: 21 Sep 2023 11:26

Tgt Ion:244 Resp: 904109
Ion Ratio Lower Upper
244 100
212 7.0 5.1 7.7
122 13.2 7.9 11.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135373.D

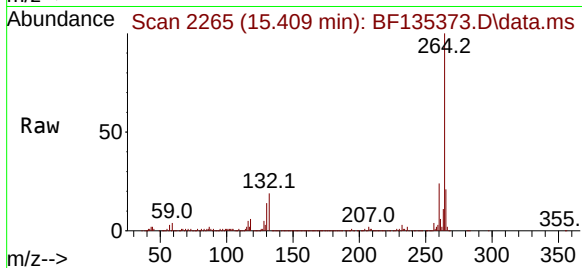
Acq: 21 Sep 2023 11:26

Instrument :

BNA_F

ClientSampleId :

H-2313-WATER



Tgt Ion:264 Resp: 250455

Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.6

265 21.2 17.0 25.4

