

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
 Data File : BF131979.D
 Acq On : 09 Jan 2023 23:42
 Operator : CG\JU
 Sample : 01052-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-DRUM

Quant Time: Jan 10 03:16:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	58395	20.000	ng	0.02
21) Naphthalene-d8	8.104	136	153542	20.000	ng	# 0.02
39) Acenaphthene-d10	9.880	164	112641	20.000	ng	# 0.04
64) Phenanthrene-d10	11.374	188	155685	20.000	ng	# 0.04
76) Chrysene-d12	13.992	240	125703	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	146343	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	33046	9.325	ng	0.03
7) Phenol-d6	6.322	99	39392	8.384	ng	-0.11
23) Nitrobenzene-d5	7.381	82	458257	123.870	ng	0.01
42) 2,4,6-Tribromophenol	10.692	330	121199	93.581	ng	0.05
45) 2-Fluorobiphenyl	9.186	172	635755	76.193	ng	0.02
79) Terphenyl-d14	12.945	244	662886	75.583	ng	0.02
Target Compounds						Qvalue
6) Aniline	6.481	93	13140	2.125	ng	# 1
8) 2-Chlorophenol	6.575	128	116112	32.656	ng	# 37
9) Benzaldehyde	6.351	77	115326	36.887	ng	# 1
11) bis(2-Chloroethyl)ether	6.581	93	10457	2.646	ng	# 1
15) Benzyl Alcohol	6.957	79	36229	8.854	ng	# 46
17) 2-Methylphenol	7.081	107	18995	5.398	ng	# 1
18) Hexachloroethane	7.304	117	62503	37.718	ng	# 1
19) n-Nitroso-di-n-propyla...	7.228	70	44961	13.228	ng	# 77
20) 3+4-Methylphenols	7.257	107	11701	2.590	ng	# 1
22) Acetophenone	7.204	105	1160272	259.543	ng	# 52
24) Nitrobenzene	7.381	77	57169	15.179	ng	# 25
25) Isophorone	7.622	82	108743	15.734	ng	# 1
26) 2-Nitrophenol	7.722	139	15723	10.610	ng	# 1
27) 2,4-Dimethylphenol	7.745	122	19461	7.868	ng	# 1
28) bis(2-Chloroethoxy)met...	7.851	93	37832	9.891	ng	# 1
29) 2,4-Dichlorophenol	7.934	162	32015	12.636	ng	# 14
31) Naphthalene	8.134	128	1802532	222.142	ng	# 94
32) Benzoic acid	7.934	122	3366	2.347	ng	# 1
33) 4-Chloroaniline	8.134	127	221579	66.174	ng	# 47
35) Caprolactam	8.539	113	150472	202.213	ng	# 68
36) 4-Chloro-3-methylphenol	8.633	107	39066	13.137	ng	# 16
37) 2-Methylnaphthalene	8.845	142	3301590	566.529	ng	# 99
38) 1-Methylnaphthalene	8.939	142	1780965	329.854	ng	# 98
43) 2,4,6-Trichlorophenol	9.133	196	5815	2.434	ng	# 28
44) 2,4,5-Trichlorophenol	9.133	196	5815	2.091	ng	# 1
46) 1,1'-Biphenyl	9.292	154	450419	51.808	ng	# 98
47) 2-Chloronaphthalene	9.363	162	33108	4.906	ng	# 8
48) 2-Nitroaniline	9.475	65	36575	14.923	ng	# 63
49) Acenaphthylene	9.745	152	78455	7.492	ng	# 1
51) 2,6-Dinitrotoluene	9.716	165	14154	7.665	ng	# 90
52) Acenaphthene	9.910	154	133928	21.307	ng	# 73
53) 3-Nitroaniline	9.857	138	15481	8.641	ng	# 57
54) 2,4-Dinitrophenol	10.169	184	25429	27.425	ng	# 84
55) Dibenzofuran	10.086	168	122761	12.390	ng	# 1
56) 4-Nitrophenol	10.028	139	18686	18.517	ng	# 50
57) 2,4-Dinitrotoluene	10.092	165	62425	25.284	ng	# 65

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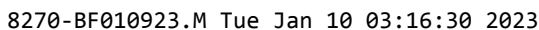
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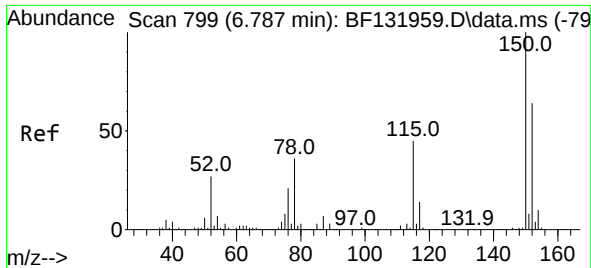
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

58) Fluorene	10.433	166	326306	41.228	ng	# 90
60) Diethylphthalate	10.339	149	23462	2.717	ng	# 69
62) 4-Nitroaniline	10.498	138	7992	4.961	ng	# 63
63) Azobenzene	10.598	77	52366	5.718	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.498	198	2847	2.836	ng	# 1
66) n-Nitrosodiphenylamine	10.545	169	358278	73.352	ng	# 55
69) Atrazine	11.086	200	19118	10.763	ng	# 30
70) Pentachlorophenol	11.169	266	886	5.155	ng	# 42
71) Phenanthrene	11.404	178	957673	117.999	ng	# 96
72) Anthracene	11.451	178	85791	10.268	ng	# 44
73) Carbazole	11.616	167	89668	12.963	ng	# 57
75) Fluoranthene	12.586	202	48060	5.265	ng	66
78) Pyrene	12.763	202	32223	2.811	ng	# 24
84) Bis(2-ethylhexyl)phtha...	13.963	149	51860	8.272	ng	# 94
92) Benzo(g,h,i)perylene	17.362	276	591	3.593	ng	# 1

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

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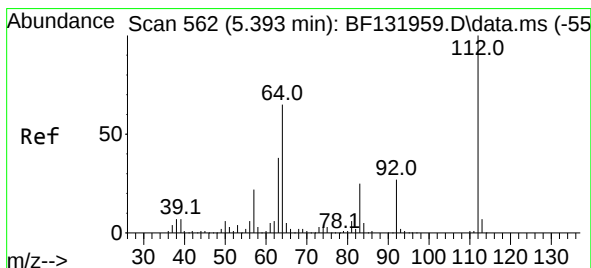
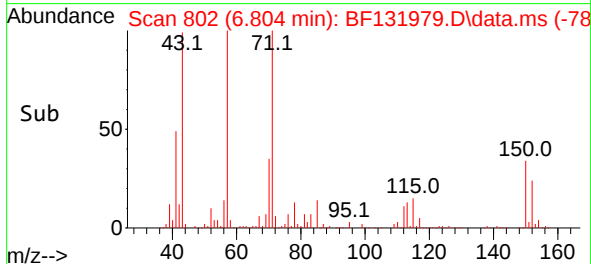
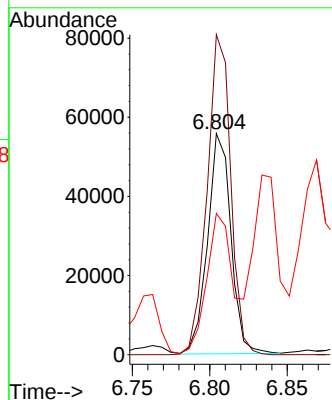
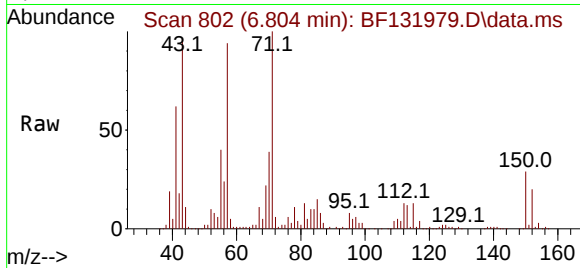




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.804 min Scan# 801
 Delta R.T. 0.017 min
 Lab File: BF131979.D
 Acq: 09 Jan 2023 23:42

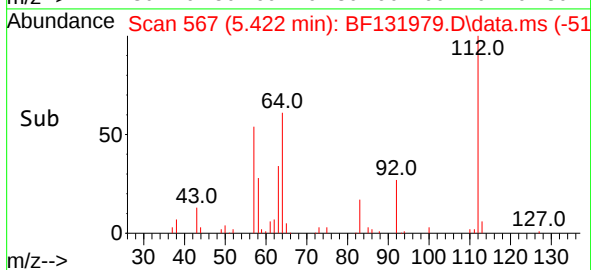
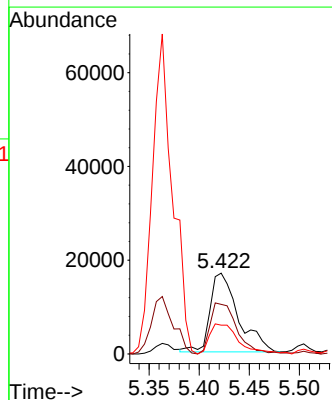
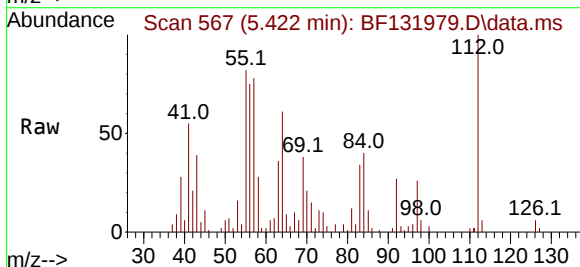
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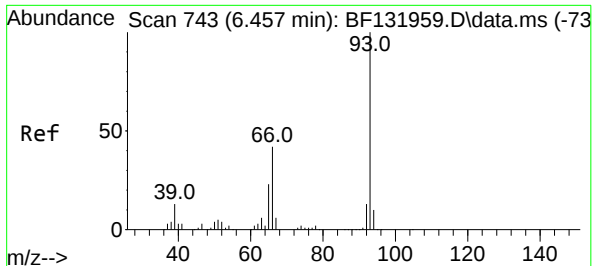
Tgt Ion:152 Resp: 58395
 Ion Ratio Lower Upper
 152 100
 150 144.7 124.6 186.8
 115 63.8 55.6 83.4



#5
 2-Fluorophenol
 Concen: 9.325 ng
 RT: 5.422 min Scan# 567
 Delta R.T. 0.029 min
 Lab File: BF131979.D
 Acq: 09 Jan 2023 23:42

Tgt Ion:112 Resp: 33046
 Ion Ratio Lower Upper
 112 100
 64 61.4 51.9 77.9
 63 35.7 30.2 45.2





#6

Aniline

Concen: 2.125 ng

RT: 6.481 min Scan# 74

Delta R.T. 0.023 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

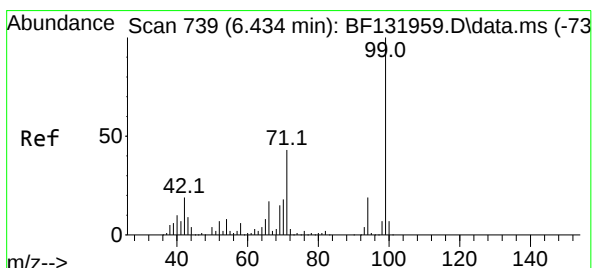
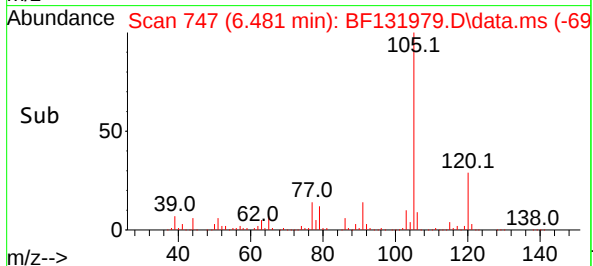
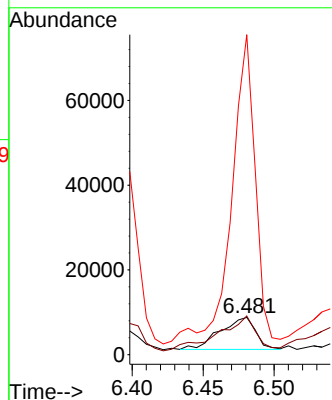
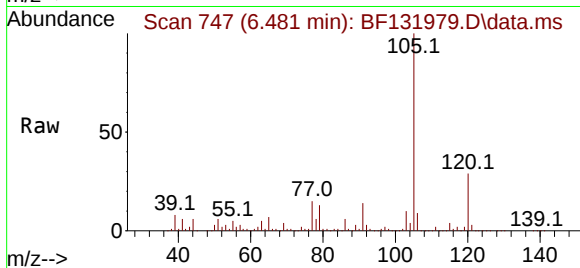
Tgt Ion: 93 Resp: 13140

Ion Ratio Lower Upper

93 100

66 104.0 34.6 51.8#

65 859.7 18.2 27.2#



#7

Phenol-d6

Concen: 8.384 ng

RT: 6.322 min Scan# 720

Delta R.T. -0.112 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

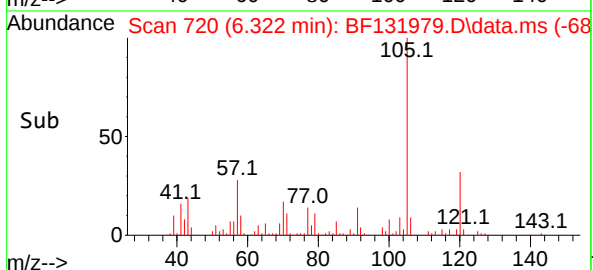
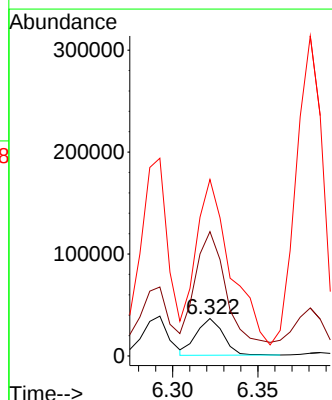
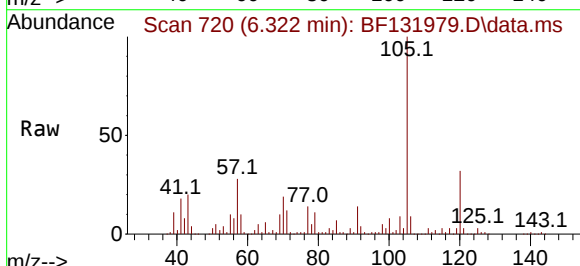
Tgt Ion: 99 Resp: 39392

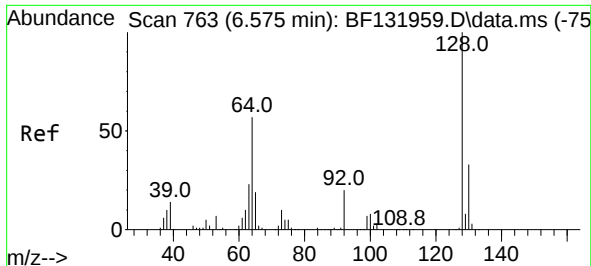
Ion Ratio Lower Upper

99 100

42 331.5 15.4 23.2#

71 470.4 34.6 51.8#

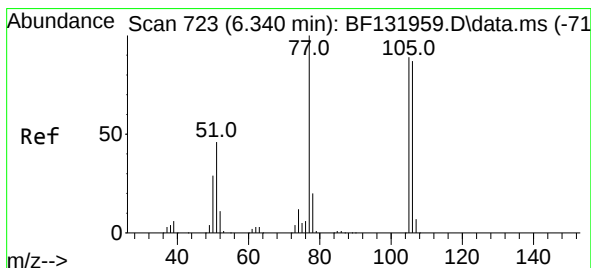
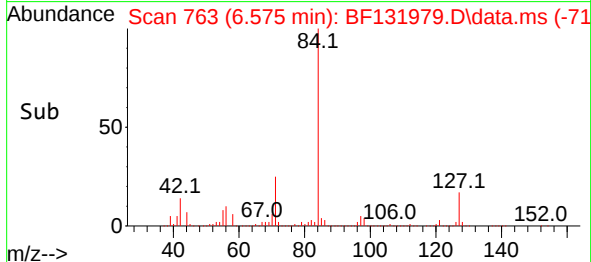
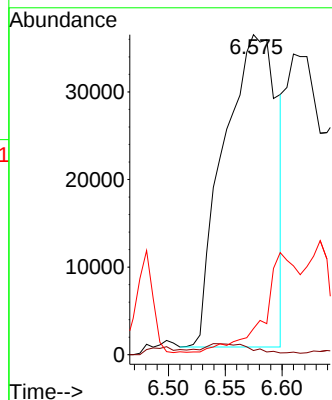
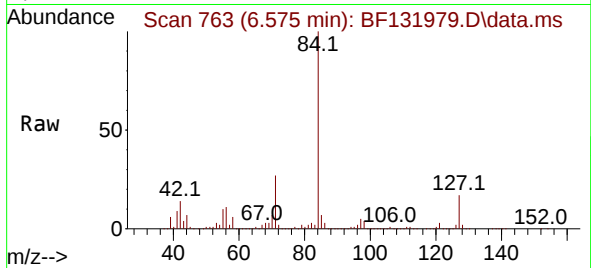




#8
2-Chlorophenol
Concen: 32.656 ng
RT: 6.575 min Scan# 763
Delta R.T. -0.000 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

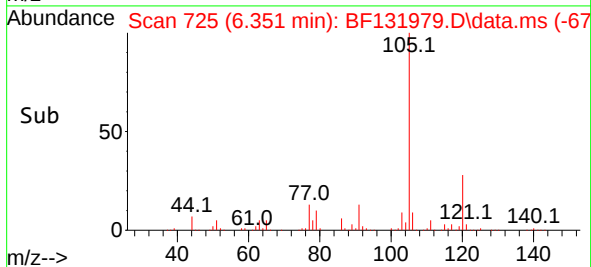
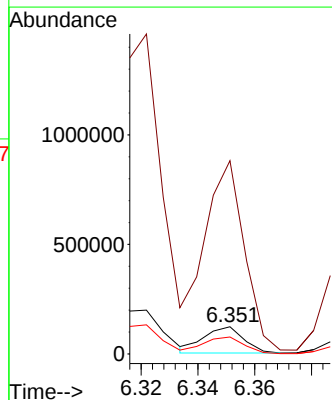
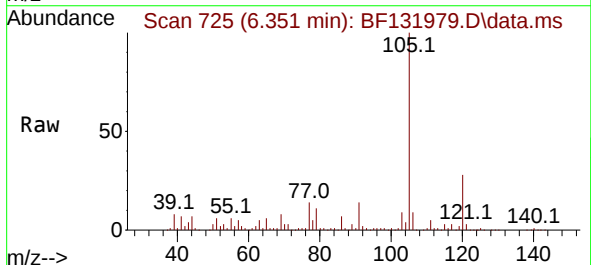
Instrument :
BNA_F
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UST-DRUM

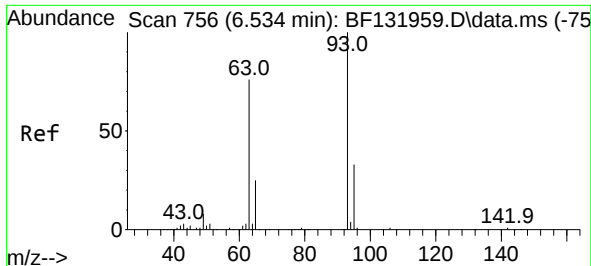
Tgt Ion:128 Resp: 116112
Ion Ratio Lower Upper
128 100
130 1.3 12.5 52.5#
64 8.2 37.6 77.6#



#9
Benzaldehyde
Concen: 36.887 ng
RT: 6.351 min Scan# 725
Delta R.T. 0.011 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion: 77 Resp: 115326
Ion Ratio Lower Upper
77 100
105 710.9 69.0 109.0#
106 62.2 67.0 107.0#





#11

bis(2-Chloroethyl)ether

Concen: 2.646 ng

RT: 6.581 min Scan# 756

Delta R.T. 0.047 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

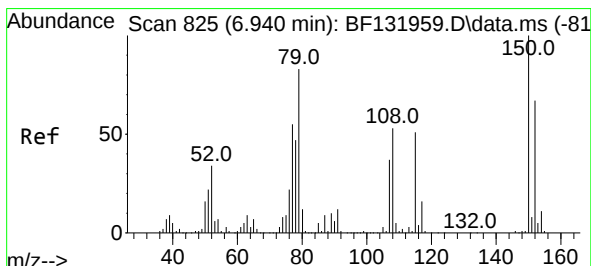
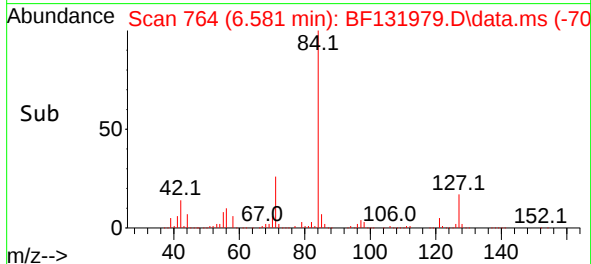
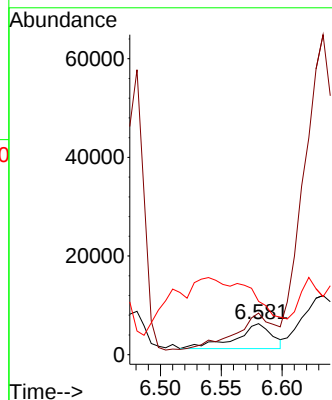
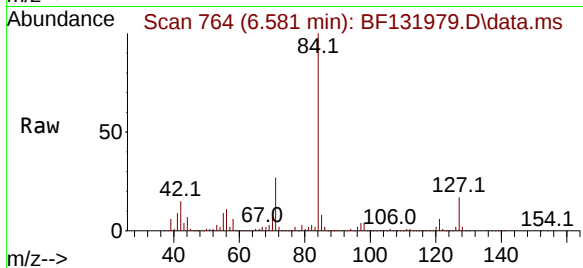
Tgt Ion: 93 Resp: 10457

Ion Ratio Lower Upper

93 100

63 134.2 55.5 95.5#

95 171.8 13.1 53.1#



#15

Benzyl Alcohol

Concen: 8.854 ng

RT: 6.957 min Scan# 828

Delta R.T. 0.018 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

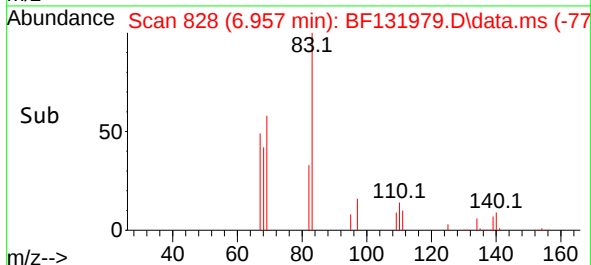
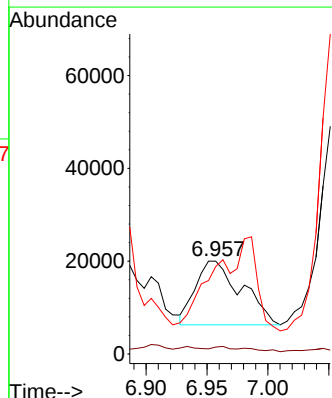
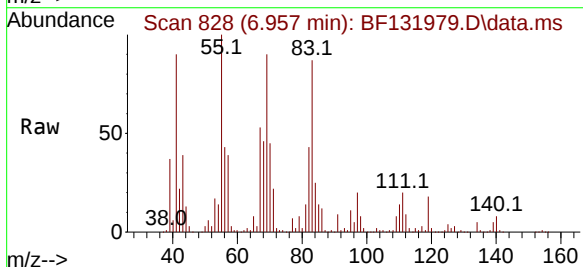
Tgt Ion: 79 Resp: 36229

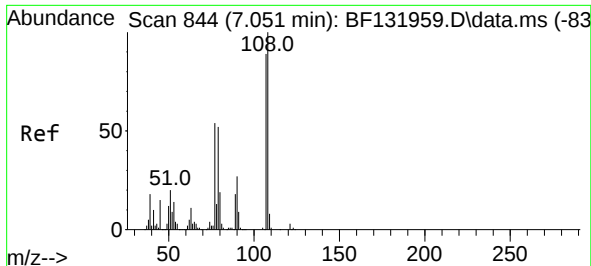
Ion Ratio Lower Upper

79 100

108 7.3 51.7 77.5#

77 94.1 52.9 79.3#

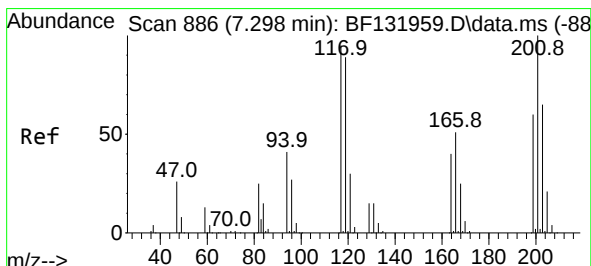
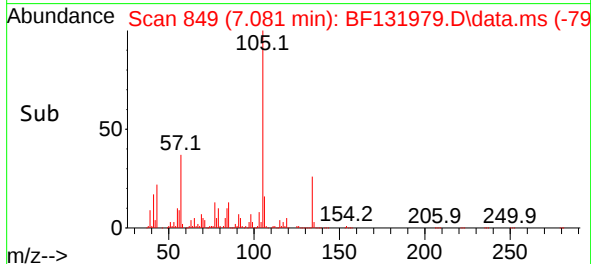
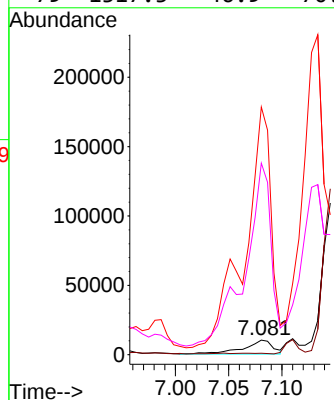
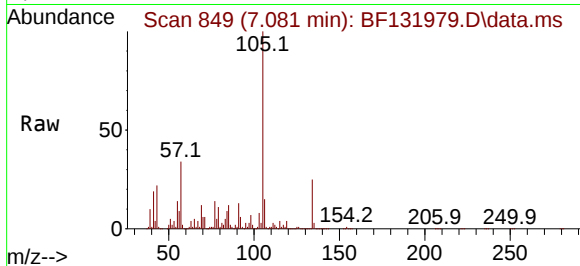




#17
2-Methylphenol
Concen: 5.398 ng
RT: 7.081 min Scan# 84
Delta R.T. 0.029 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

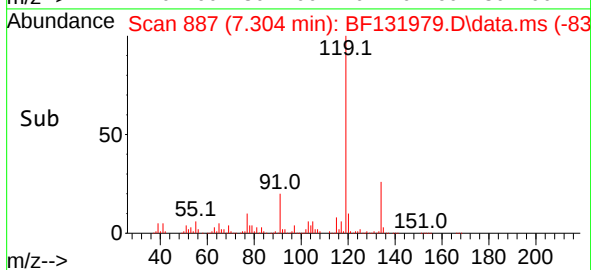
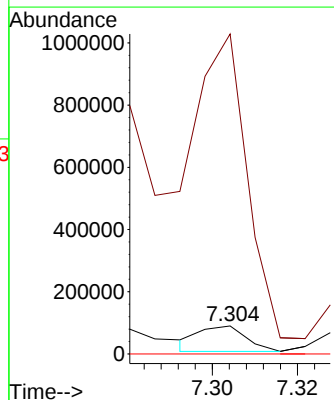
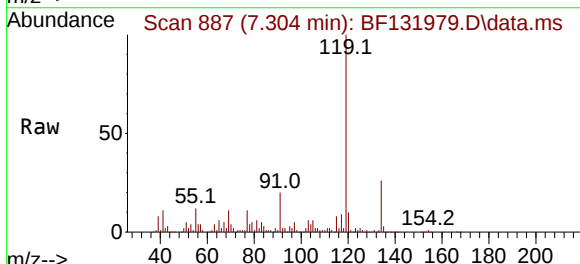
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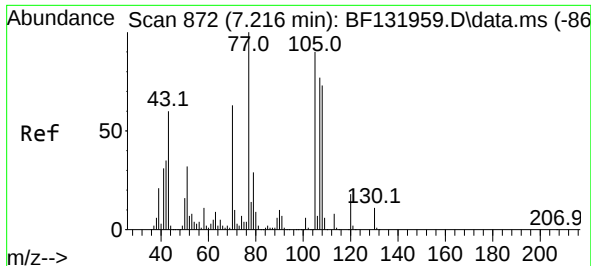
Tgt Ion:107 Resp: 18995
Ion Ratio Lower Upper
107 100
108 10.1 90.0 135.0#
77 1704.4 48.8 73.2#
79 1317.3 46.9 70.3#



#18
Hexachloroethane
Concen: 37.718 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.006 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion:117 Resp: 62503
Ion Ratio Lower Upper
117 100
119 1140.0 75.4 113.0#
201 0.0 84.2 126.4#

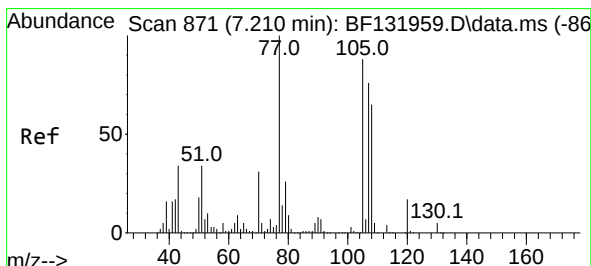
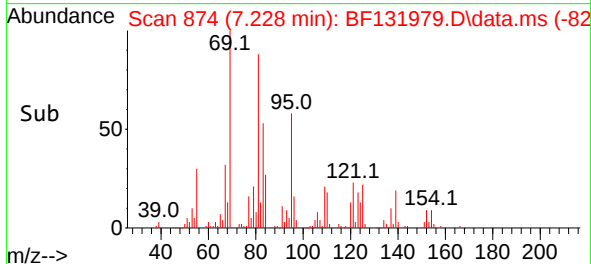
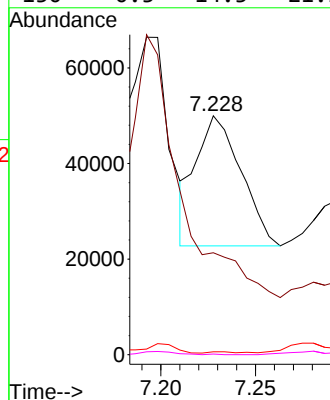
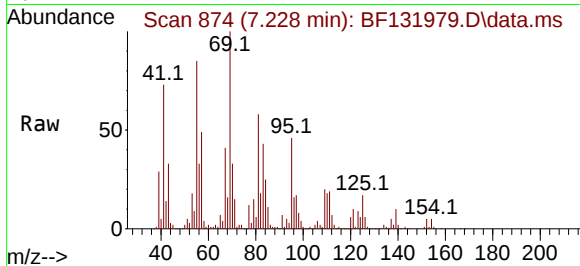




#19
n-Nitroso-di-n-propylamine
Concen: 13.228 ng
RT: 7.228 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

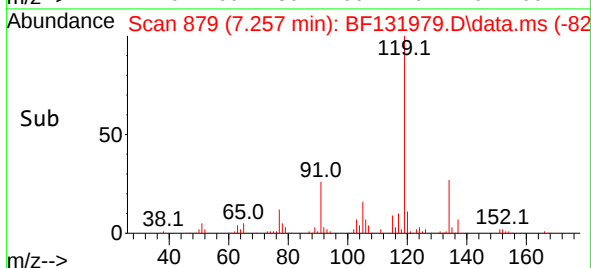
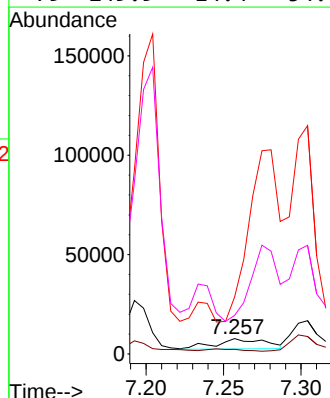
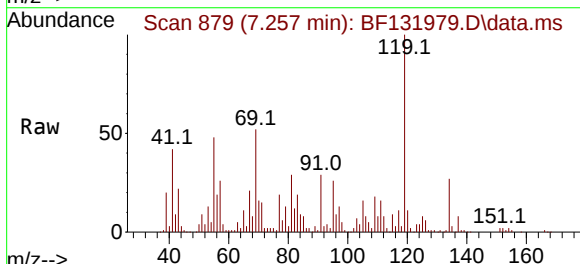
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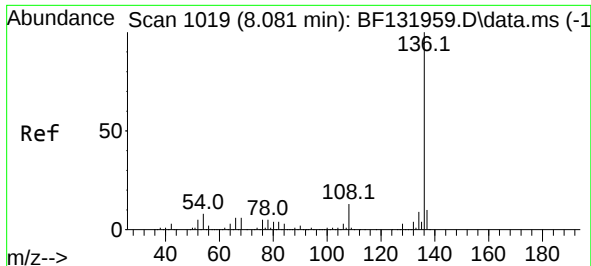
Tgt Ion: 70 Resp: 44961
Ion Ratio Lower Upper
70 100
42 42.6 44.3 66.5#
101 1.2 7.5 11.3#
130 0.3 14.3 21.5#



#20
3+4-Methylphenols
Concen: 2.590 ng
RT: 7.257 min Scan# 879
Delta R.T. 0.047 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion: 107 Resp: 11701
Ion Ratio Lower Upper
107 100
108 30.6 65.1 105.1#
77 369.5 111.2 151.2#
79 249.9 14.4 54.4#

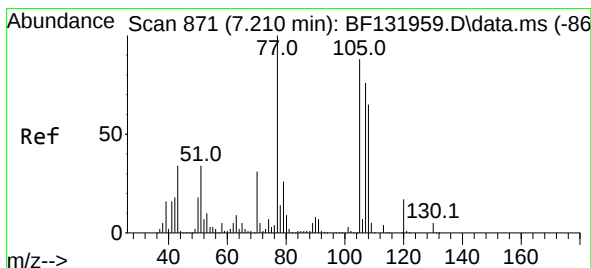
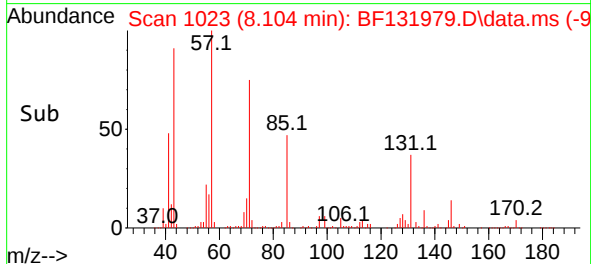
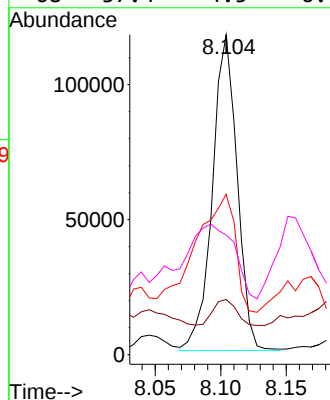
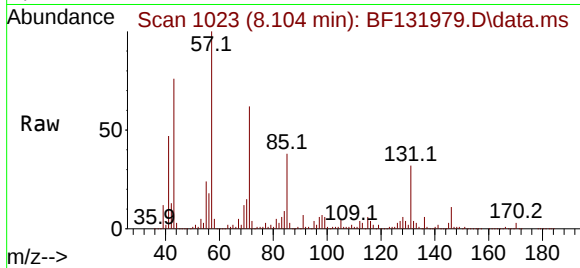




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.023 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

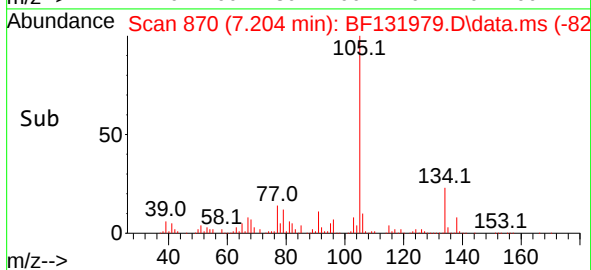
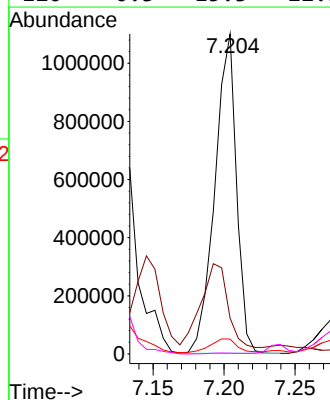
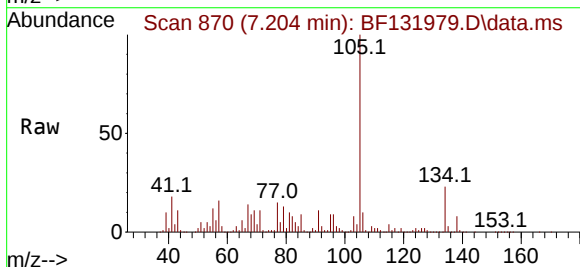
Instrument :
BNA_F
ClientSampleId :
UST-DRUM

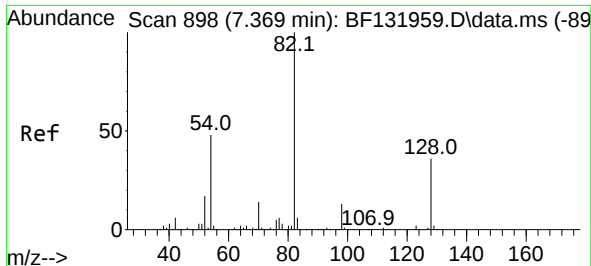
Tgt Ion:136 Resp: 153542
Ion Ratio Lower Upper
136 100
137 17.2 8.2 12.2#
54 50.1 6.6 9.8#
68 37.4 4.5 6.7#



#22
Acetophenone
Concen: 259.543 ng
RT: 7.204 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion:105 Resp: 1160272
Ion Ratio Lower Upper
105 100
71 11.1 4.6 7.0#
51 4.7 30.6 46.0#
120 0.3 15.3 22.9#

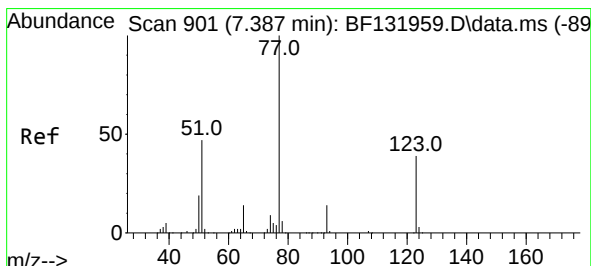
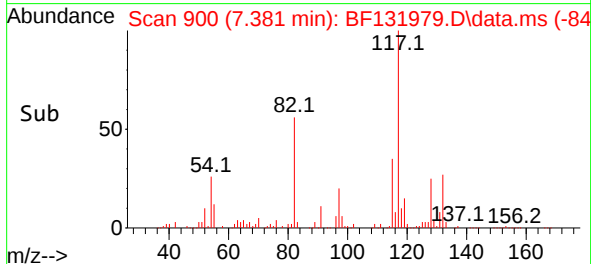
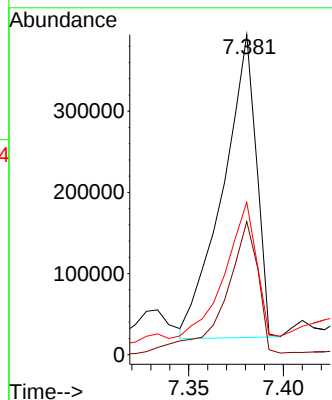
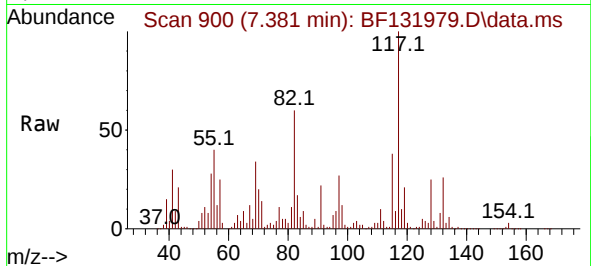




#23
Nitrobenzene-d5
Concen: 123.870 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.012 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

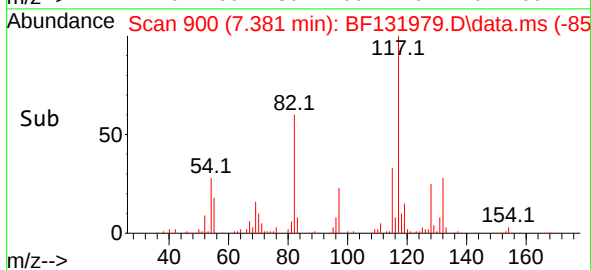
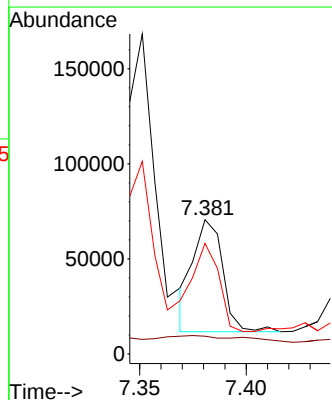
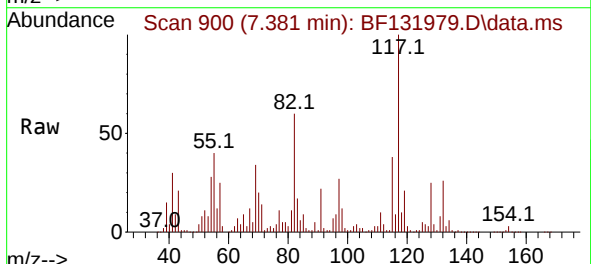
Instrument :
BNA_F
ClientSampleId :
UST-DRUM

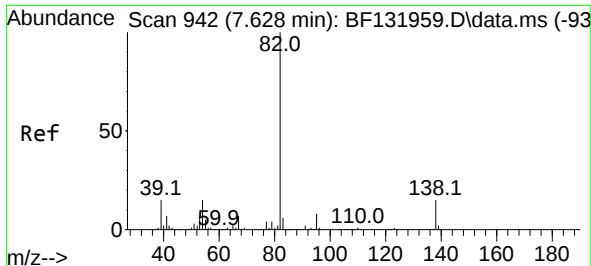
Tgt Ion: 82 Resp: 458257
Ion Ratio Lower Upper
82 100
128 41.6 28.7 43.1
54 47.7 38.1 57.1



#24
Nitrobenzene
Concen: 15.179 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion: 77 Resp: 57169
Ion Ratio Lower Upper
77 100
123 13.3 30.9 46.3#
65 82.3 10.8 16.2#

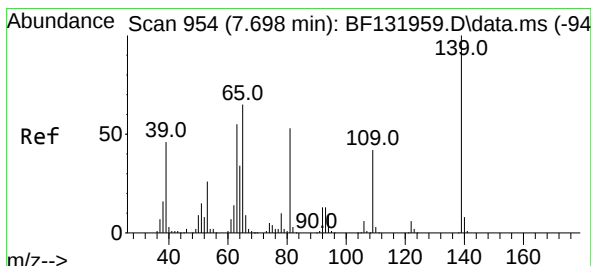
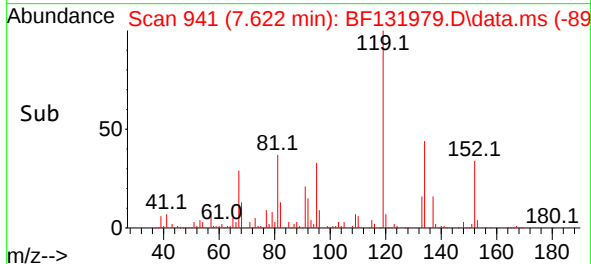
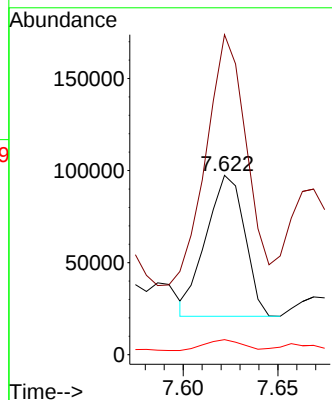
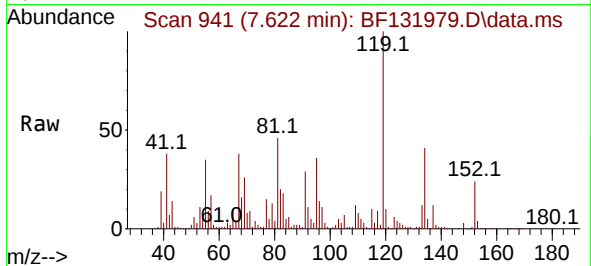




#25
Isophorone
Concen: 15.734 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

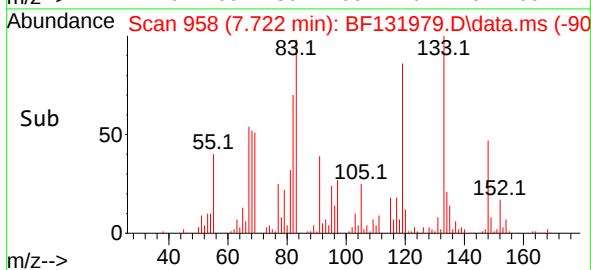
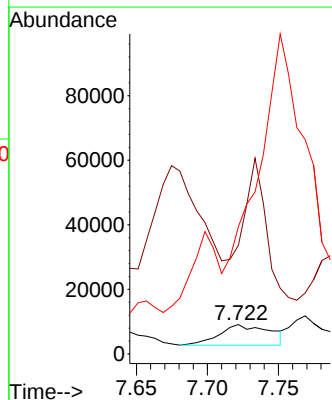
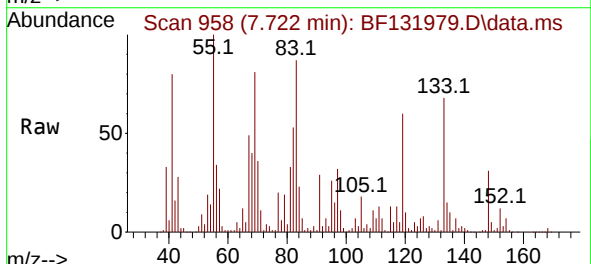
Instrument :
BNA_F
ClientSampleId :
UST-DRUM

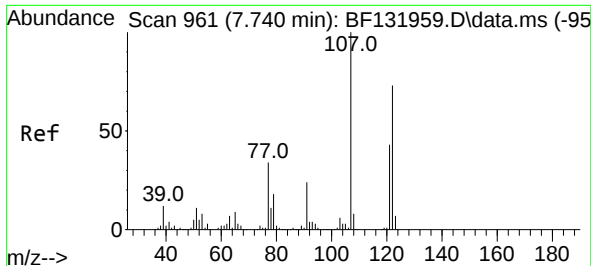
Tgt Ion: 82 Resp: 108743
Ion Ratio Lower Upper
82 100
95 178.4 6.5 9.7#
138 8.4 11.9 17.9#



#26
2-Nitrophenol
Concen: 10.610 ng
RT: 7.722 min Scan# 958
Delta R.T. 0.023 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion:139 Resp: 15723
Ion Ratio Lower Upper
139 100
109 368.9 33.9 50.9#
65 431.7 51.6 77.4#

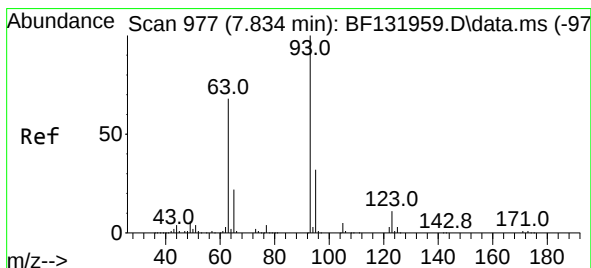
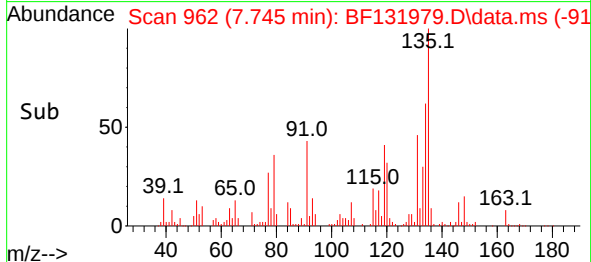
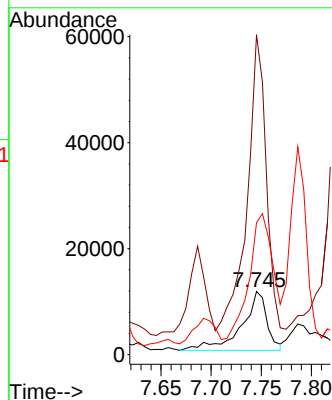
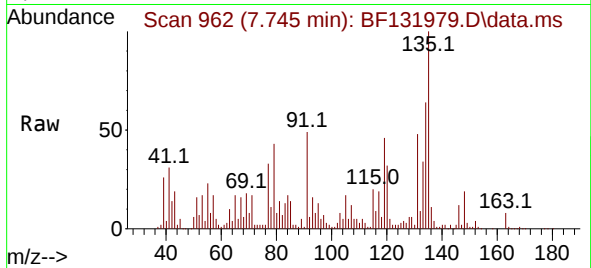




#27
2,4-Dimethylphenol
Concen: 7.868 ng
RT: 7.745 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

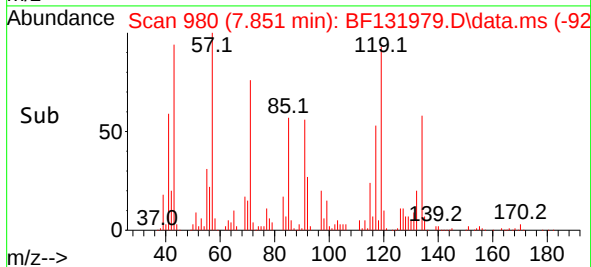
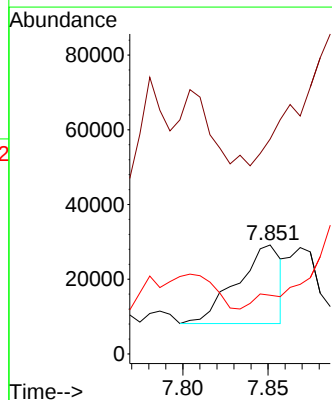
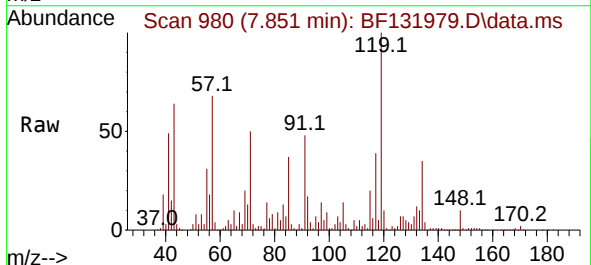
Instrument :
BNA_F
ClientSampleId :
UST-DRUM

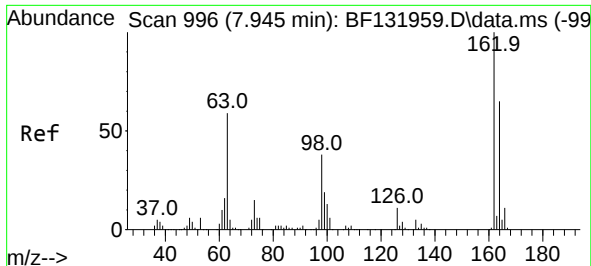
Tgt Ion:122 Resp: 19461
Ion Ratio Lower Upper
122 100
107 506.3 109.4 164.0#
121 209.0 47.2 70.8#



#28
bis(2-Chloroethoxy)methane
Concen: 9.891 ng
RT: 7.851 min Scan# 980
Delta R.T. 0.018 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion: 93 Resp: 37832
Ion Ratio Lower Upper
93 100
95 197.3 25.8 38.6#
123 53.9 8.4 12.6#





#29

2,4-Dichlorophenol

Concen: 12.636 ng

RT: 7.934 min Scan# 996

Delta R.T. -0.012 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

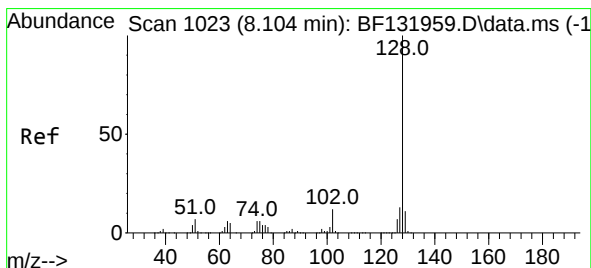
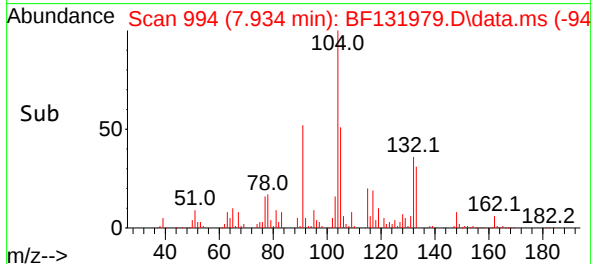
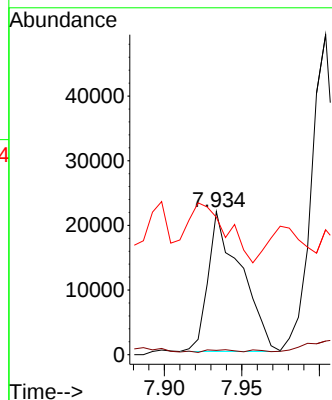
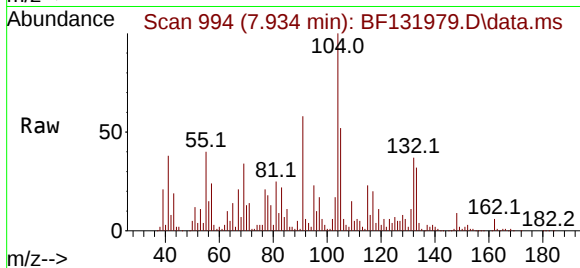
Tgt Ion:162 Resp: 32015

Ion Ratio Lower Upper

162 100

164 3.0 45.2 85.2#

98 96.2 17.5 57.5#



#31

Naphthalene

Concen: 222.142 ng

RT: 8.134 min Scan# 1028

Delta R.T. 0.029 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

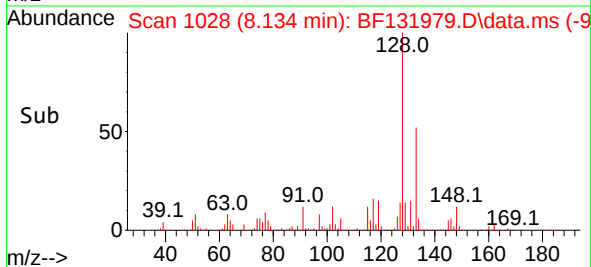
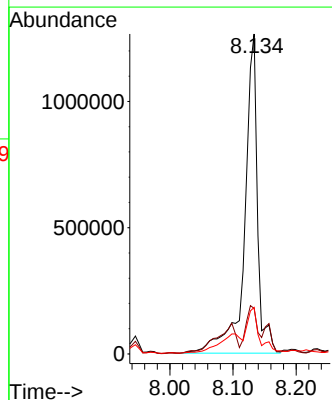
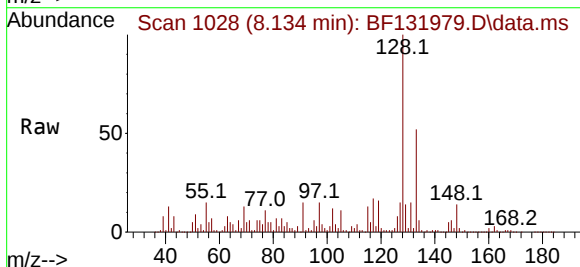
Tgt Ion:128 Resp: 1802532

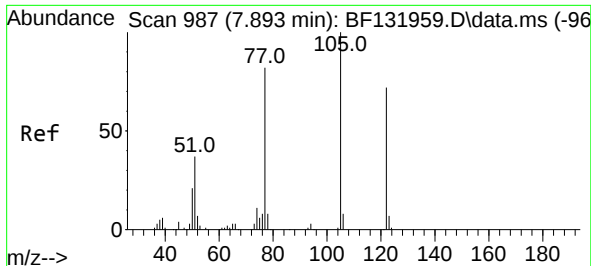
Ion Ratio Lower Upper

128 100

129 14.2 8.8 13.2#

127 14.6 10.5 15.7





#32

Benzoic acid

Concen: 2.347 ng

RT: 7.934 min Scan# 91

Delta R.T. 0.041 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

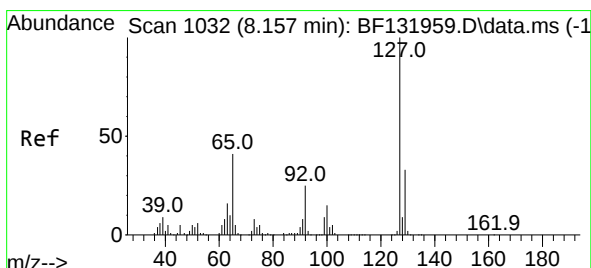
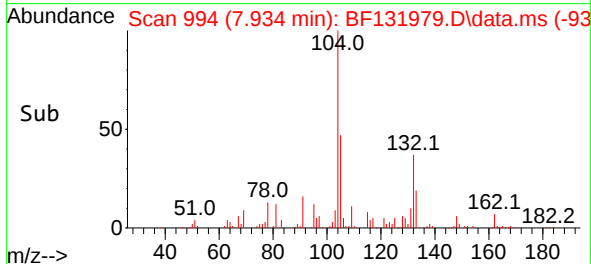
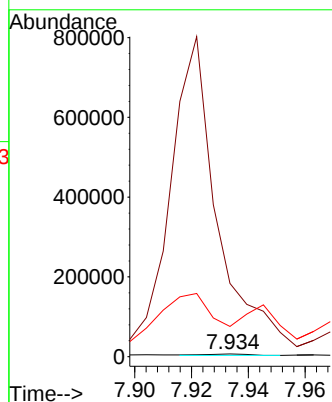
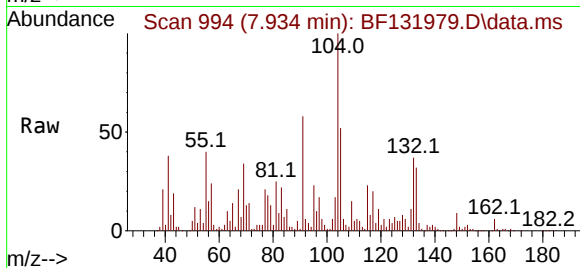
Tgt Ion:122 Resp: 3366

Ion Ratio Lower Upper

122 100

105 2631.1 116.3 156.3#

77 1087.5 92.7 132.7#



#33

4-Chloroaniline

Concen: 66.174 ng

RT: 8.134 min Scan# 1028

Delta R.T. -0.024 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Tgt Ion:127 Resp: 221579

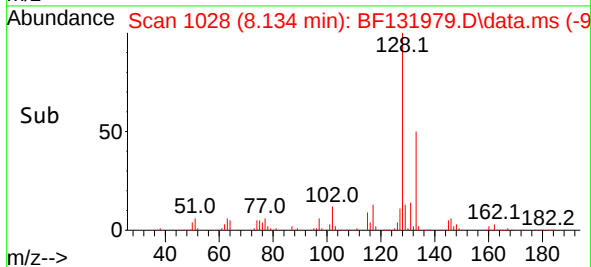
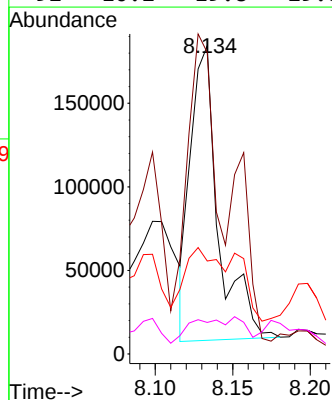
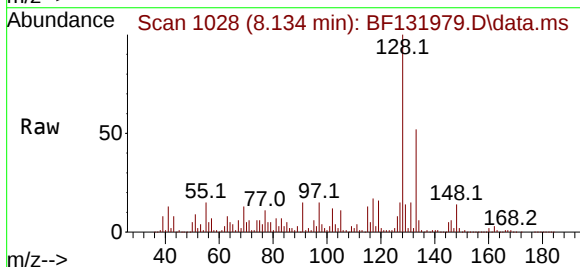
Ion Ratio Lower Upper

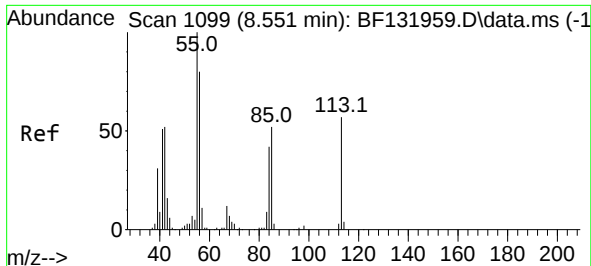
127 100

129 97.8 26.5 39.7#

65 30.2 33.1 49.7#

92 10.2 19.8 29.8#

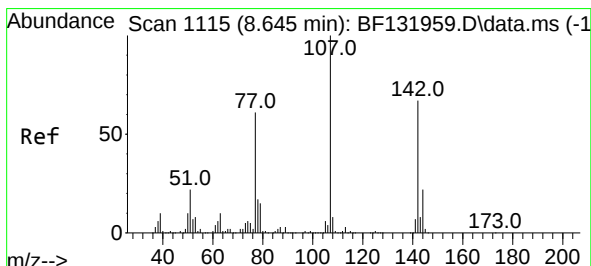
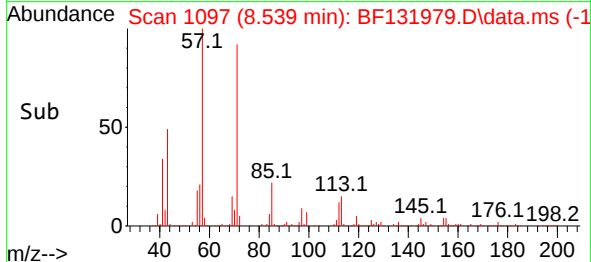
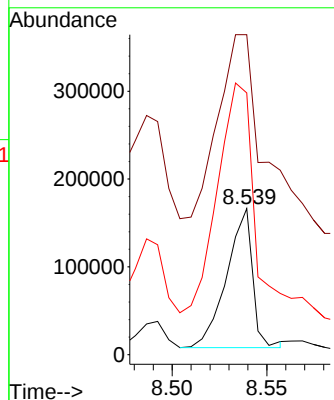
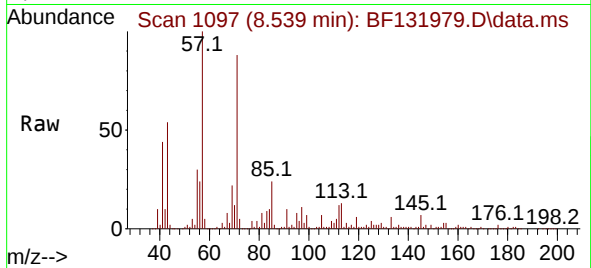




#35
 Caprolactam
 Concen: 202.213 ng
 RT: 8.539 min Scan# 1097
 Delta R.T. -0.012 min
 Lab File: BF131979.D
 Acq: 09 Jan 2023 23:42

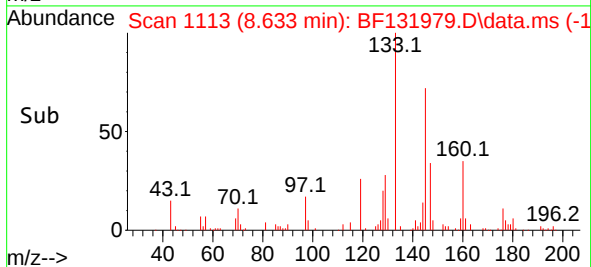
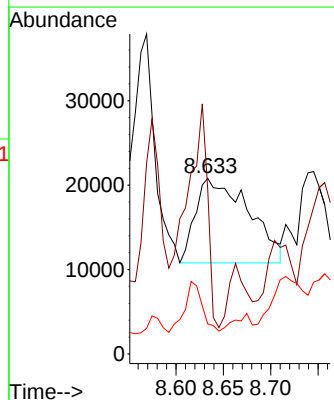
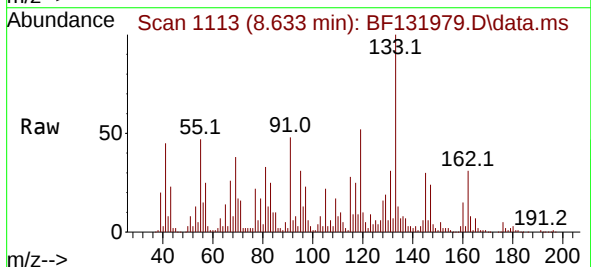
Instrument :
 BNA_F
 ClientSampleId :
 UST-DRUM

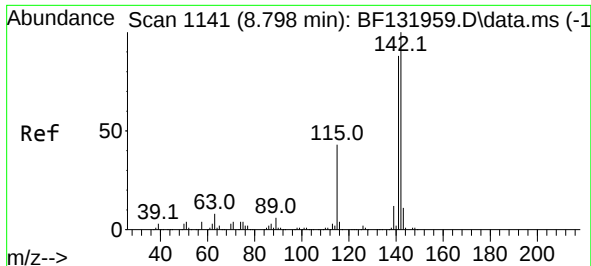
Tgt Ion:113 Resp: 150472
 Ion Ratio Lower Upper
 113 100
 55 219.0 154.4 194.4#
 56 179.3 119.6 159.6#



#36
 4-Chloro-3-methylphenol
 Concen: 13.137 ng
 RT: 8.633 min Scan# 1113
 Delta R.T. -0.012 min
 Lab File: BF131979.D
 Acq: 09 Jan 2023 23:42

Tgt Ion:107 Resp: 39066
 Ion Ratio Lower Upper
 107 100
 144 93.9 17.4 26.2#
 142 17.1 53.7 80.5#

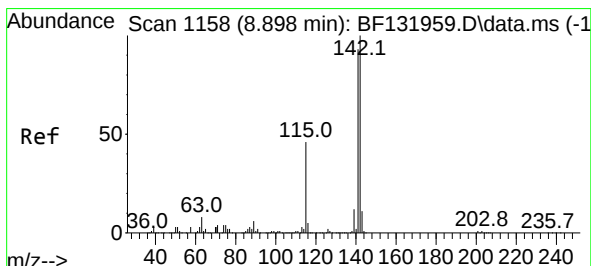
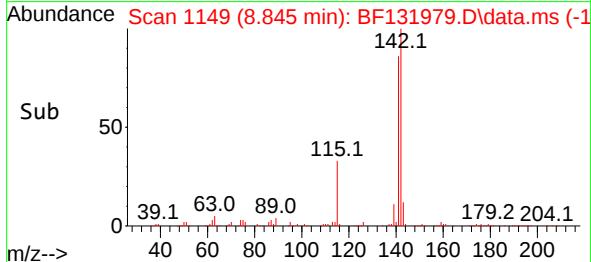
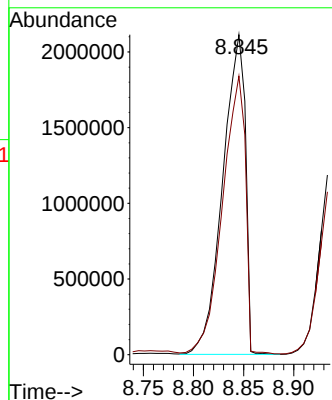
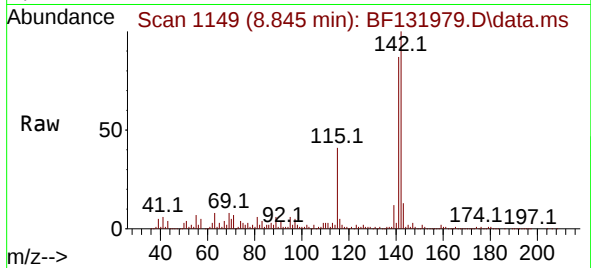




#37
2-Methylnaphthalene
Concen: 566.529 ng
RT: 8.845 min Scan# 1149
Delta R.T. 0.047 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

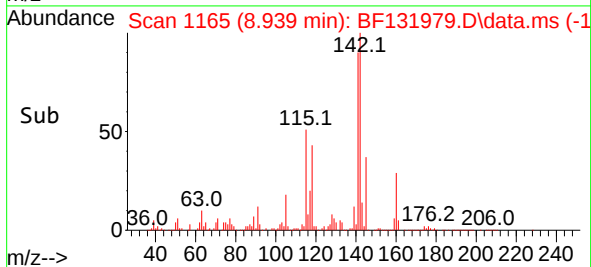
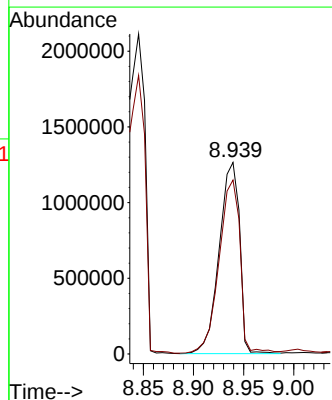
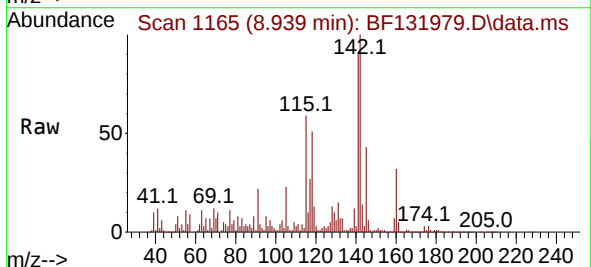
Instrument :
BNA_F
ClientSampleId :
UST-DRUM

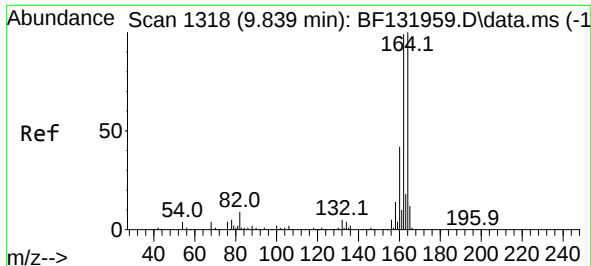
Tgt Ion:142 Resp: 3301590
Ion Ratio Lower Upper
142 100
141 87.1 70.6 106.0



#38
1-Methylnaphthalene
Concen: 329.854 ng
RT: 8.939 min Scan# 1165
Delta R.T. 0.041 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion:142 Resp: 1780965
Ion Ratio Lower Upper
142 100
141 90.8 74.3 111.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.041 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

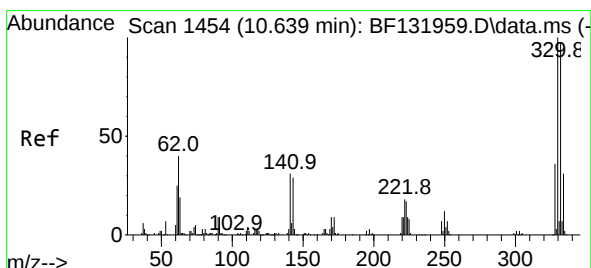
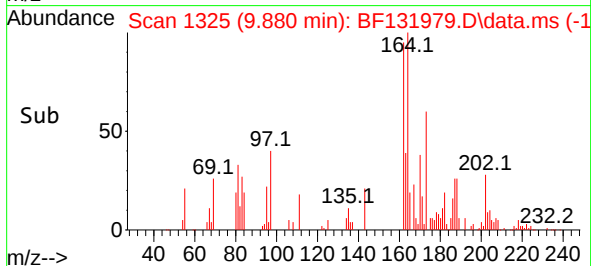
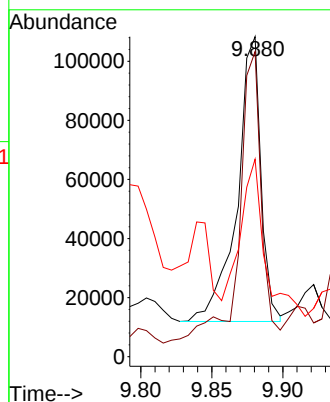
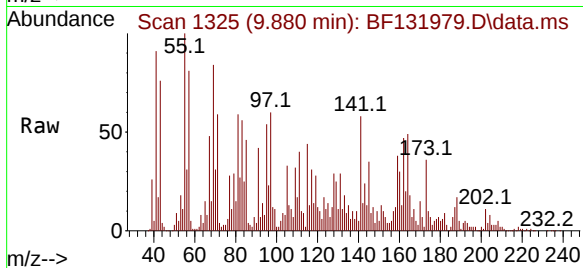
Tgt Ion:164 Resp: 112641

Ion Ratio Lower Upper

164 100

162 95.4 79.4 119.0

160 61.7 33.9 50.9#



#42

2,4,6-Tribromophenol

Concen: 93.581 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.053 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

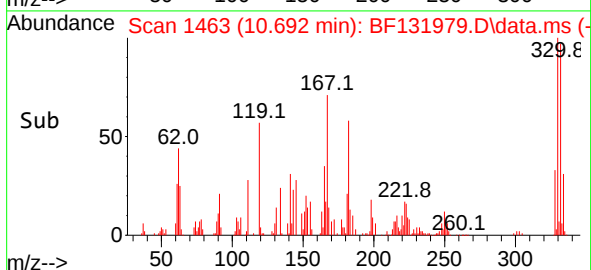
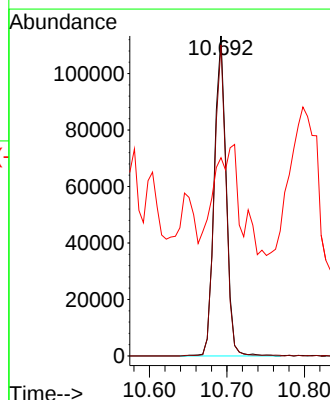
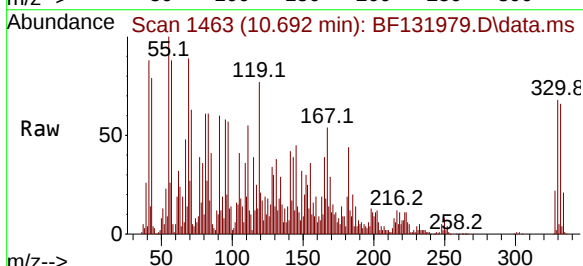
Tgt Ion:330 Resp: 121199

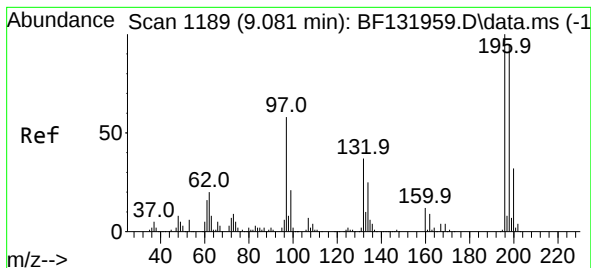
Ion Ratio Lower Upper

330 100

332 96.7 76.9 115.3

141 55.4 31.3 46.9#





#43

2,4,6-Trichlorophenol

Concen: 2.434 ng

RT: 9.133 min Scan# 1198

Delta R.T. 0.053 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

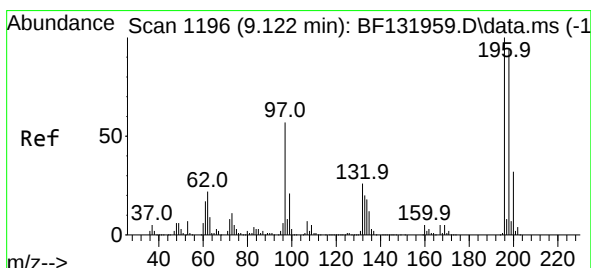
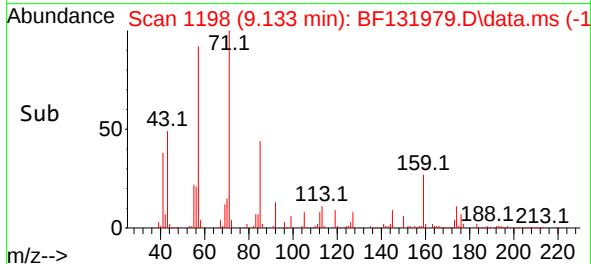
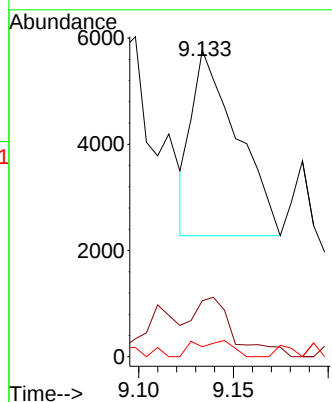
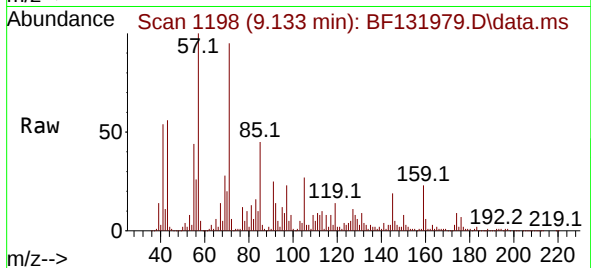
Tgt Ion:196 Resp: 5815

Ion Ratio Lower Upper

196 100

198 18.3 76.3 114.5#

200 3.2 25.8 38.6#



#44

2,4,5-Trichlorophenol

Concen: 2.091 ng

RT: 9.133 min Scan# 1198

Delta R.T. 0.012 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Tgt Ion:196 Resp: 5815

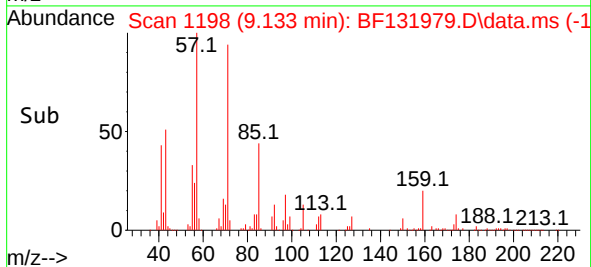
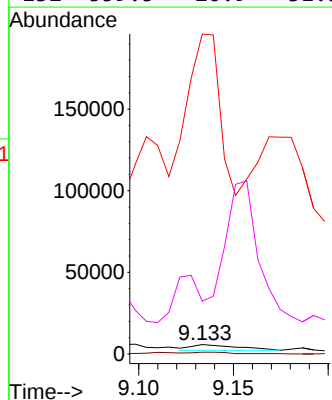
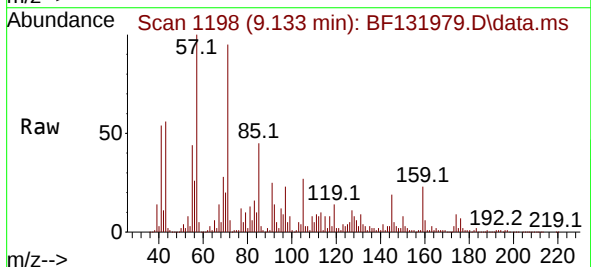
Ion Ratio Lower Upper

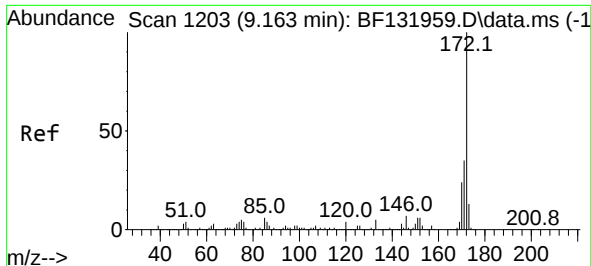
196 100

198 18.3 75.3 112.9#

97 3395.1 45.6 68.4#

132 559.5 20.9 31.3#





#45

2-Fluorobiphenyl

Concen: 76.193 ng

RT: 9.186 min Scan# 11

Delta R.T. 0.023 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

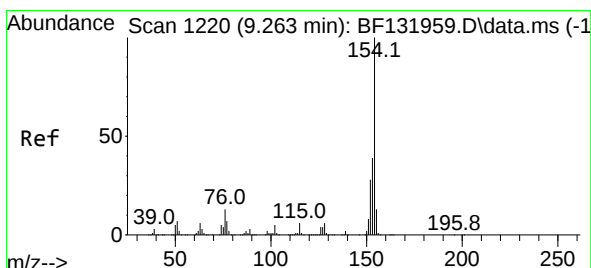
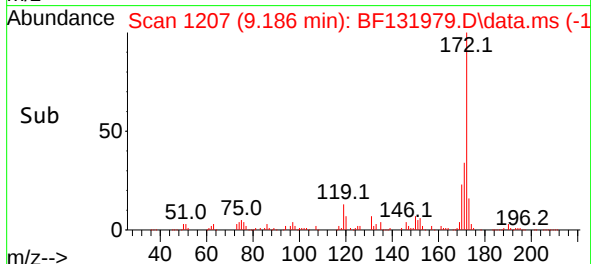
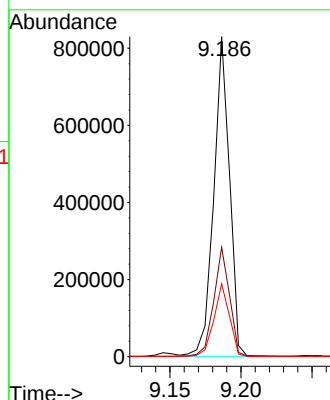
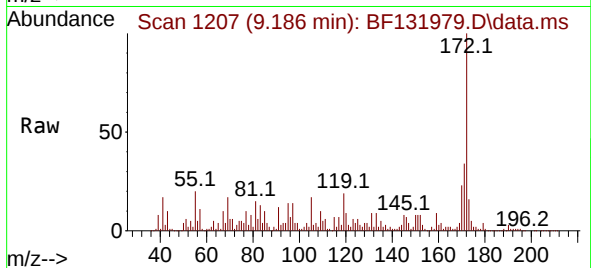
Tgt Ion:172 Resp: 635755

Ion Ratio Lower Upper

172 100

171 34.2 28.0 42.0

170 22.8 18.9 28.3



#46

1,1'-Biphenyl

Concen: 51.808 ng

RT: 9.292 min Scan# 1225

Delta R.T. 0.029 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

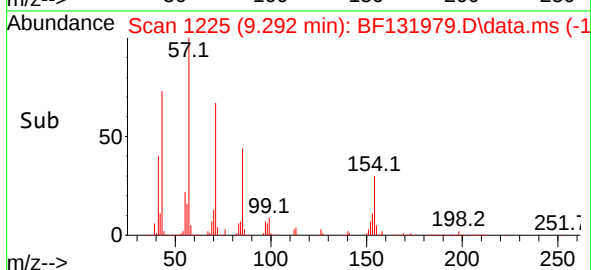
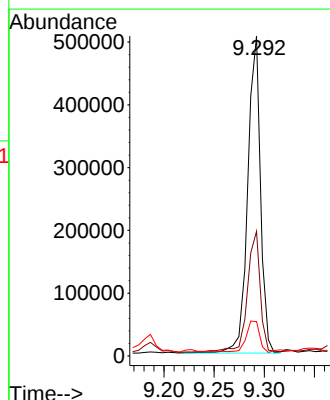
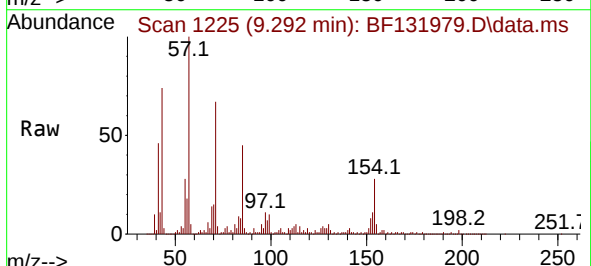
Tgt Ion:154 Resp: 450419

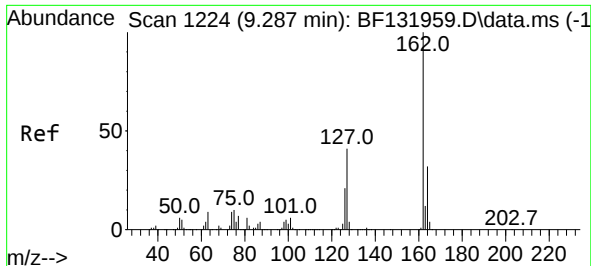
Ion Ratio Lower Upper

154 100

153 39.0 18.9 58.9

76 10.7 0.0 33.2

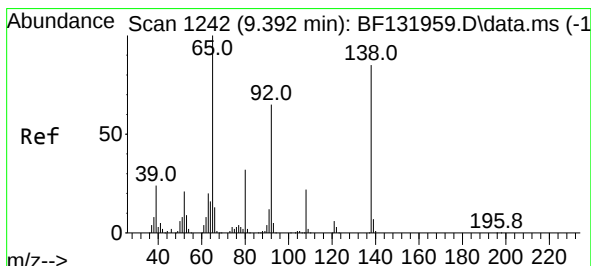
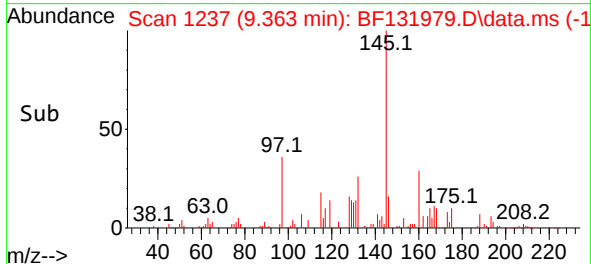
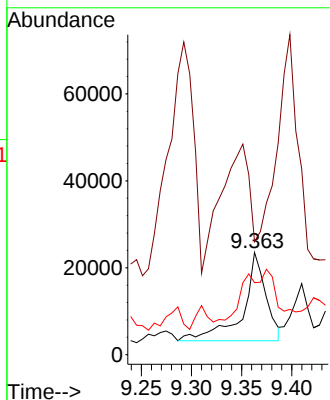
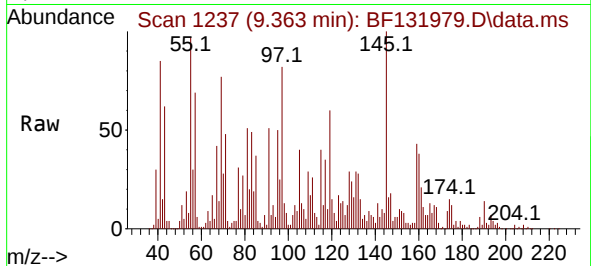




#47
2-Chloronaphthalene
Concen: 4.906 ng
RT: 9.363 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

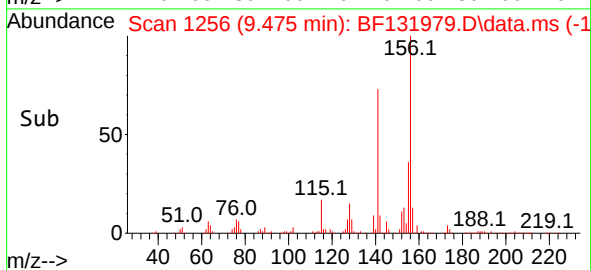
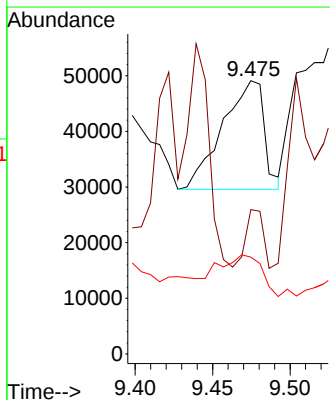
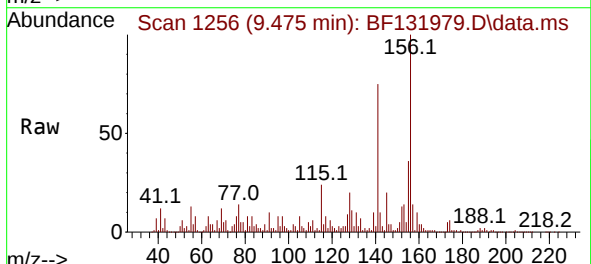
Instrument :
BNA_F
ClientSampleId :
UST-DRUM

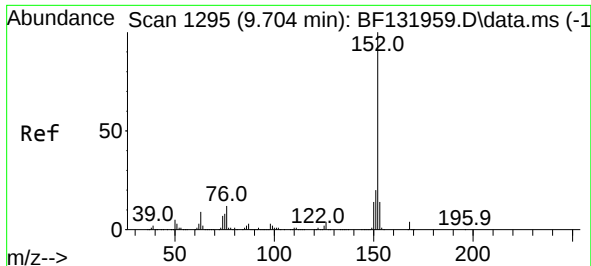
Tgt Ion:162 Resp: 33108
Ion Ratio Lower Upper
162 100
127 110.4 33.0 49.4#
164 70.4 25.8 38.8#



#48
2-Nitroaniline
Concen: 14.923 ng
RT: 9.475 min Scan# 1256
Delta R.T. 0.082 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion: 65 Resp: 36575
Ion Ratio Lower Upper
65 100
92 52.8 52.2 78.2
138 35.4 67.8 101.8#





#49

Acenaphthylene

Concen: 7.492 ng

RT: 9.745 min Scan# 11

Delta R.T. 0.041 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

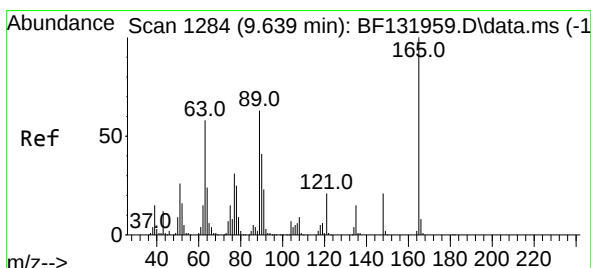
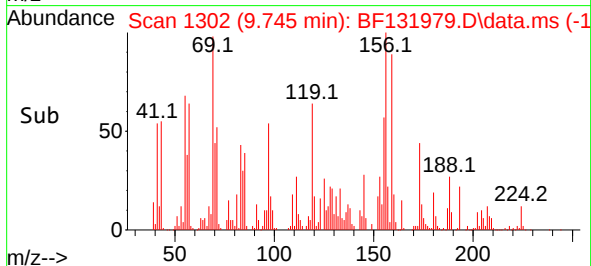
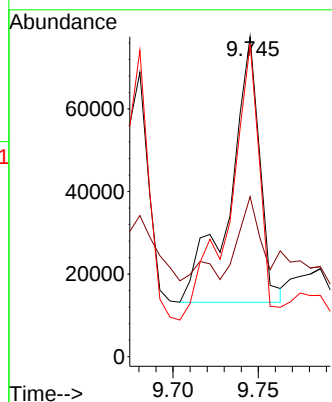
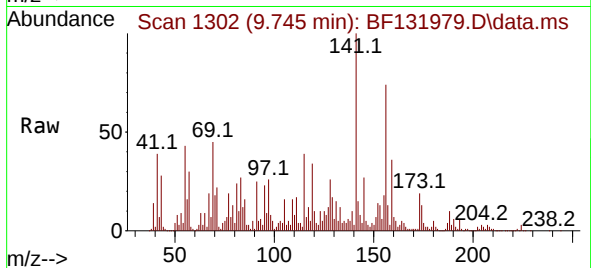
Tgt Ion:152 Resp: 78455

Ion Ratio Lower Upper

152 100

151 50.0 16.2 24.2#

153 97.7 10.8 16.2#



#51

2,6-Dinitrotoluene

Concen: 7.665 ng

RT: 9.716 min Scan# 1297

Delta R.T. 0.077 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

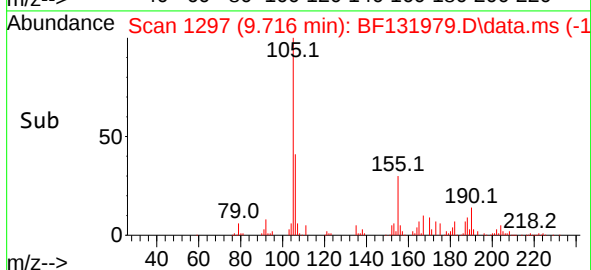
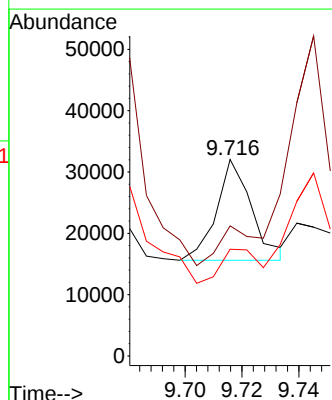
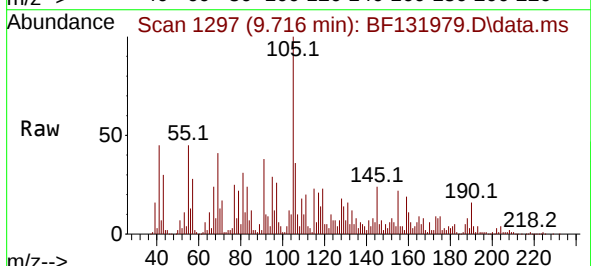
Tgt Ion:165 Resp: 14154

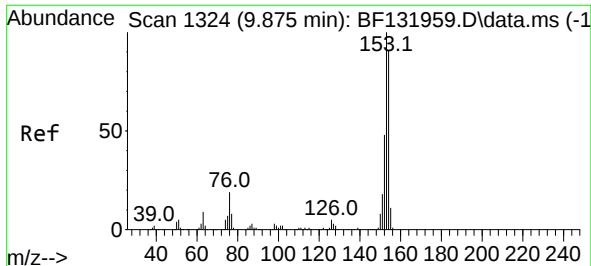
Ion Ratio Lower Upper

165 100

63 66.3 47.4 71.0

89 54.3 50.2 75.2

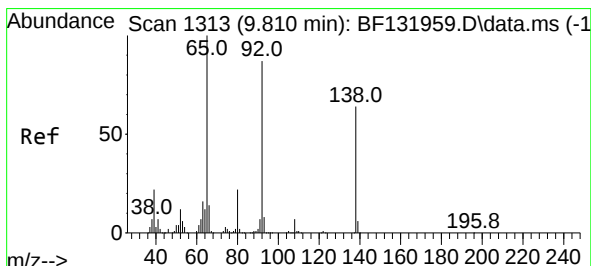
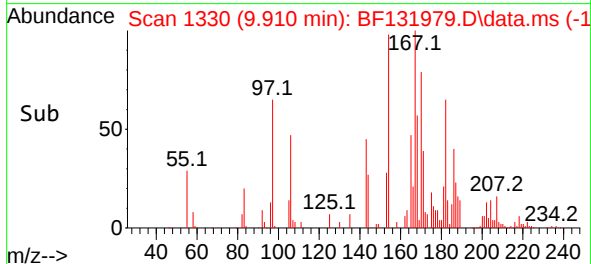
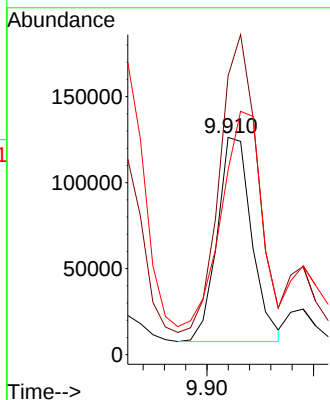
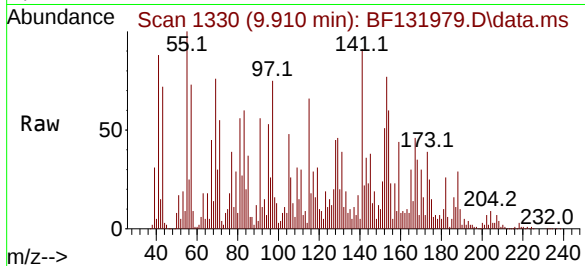




#52
Acenaphthene
Concen: 21.307 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.035 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

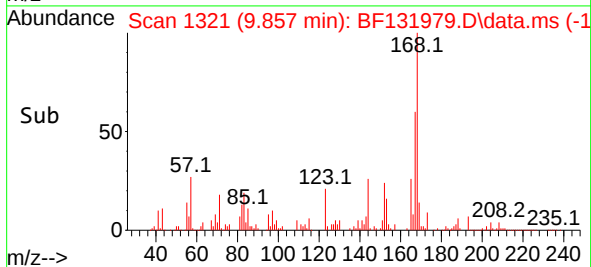
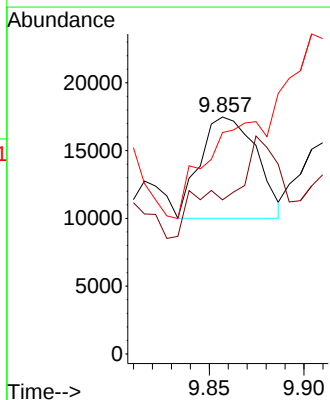
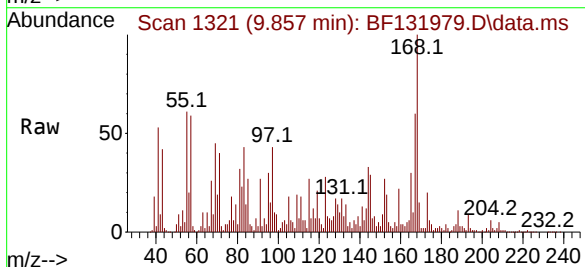
Instrument :
BNA_F
ClientSampleId :
UST-DRUM

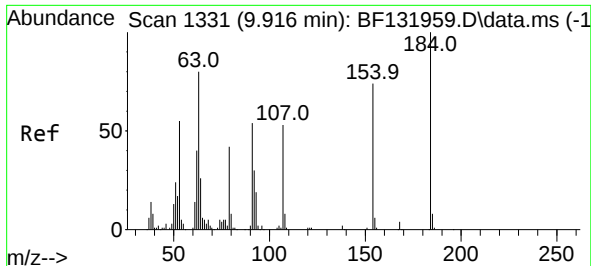
Tgt Ion:154 Resp: 133928
Ion Ratio Lower Upper
154 100
153 128.4 87.7 131.5
152 85.0 42.2 63.2#



#53
3-Nitroaniline
Concen: 8.641 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.047 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion:138 Resp: 15481
Ion Ratio Lower Upper
138 100
108 65.0 8.8 13.2#
92 93.4 108.1 162.1#





#54

2,4-Dinitrophenol

Concen: 27.425 ng

RT: 10.169 min Scan# 1374

Delta R.T. 0.253 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

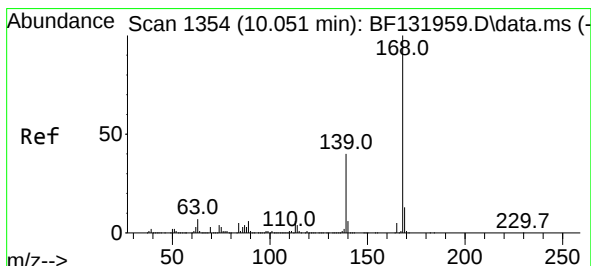
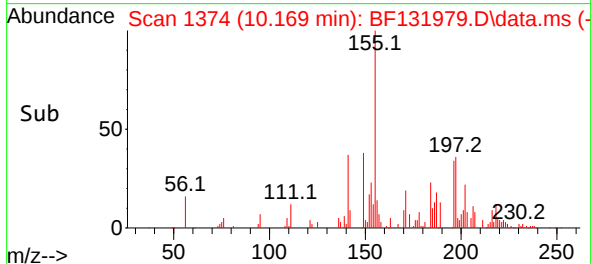
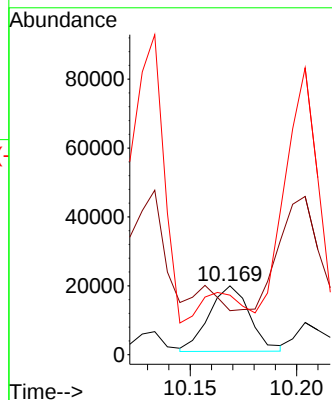
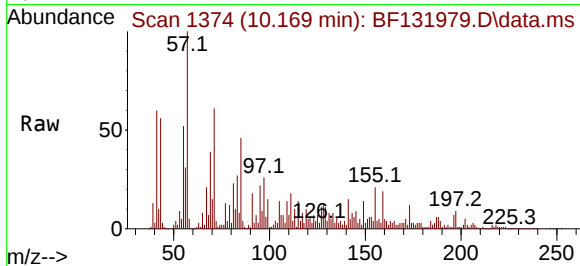
Tgt Ion:184 Resp: 25429

Ion Ratio Lower Upper

184 100

63 64.0 63.7 95.5

154 86.4 60.1 90.1



#55

Dibenzofuran

Concen: 12.390 ng

RT: 10.086 min Scan# 1360

Delta R.T. 0.035 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

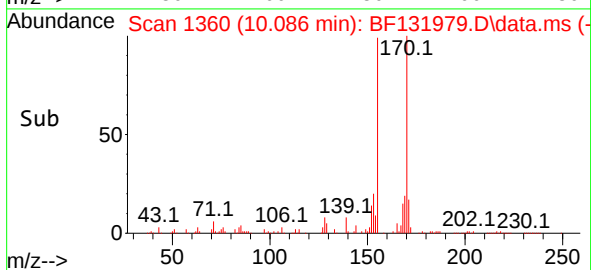
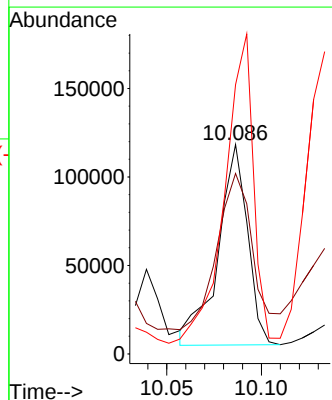
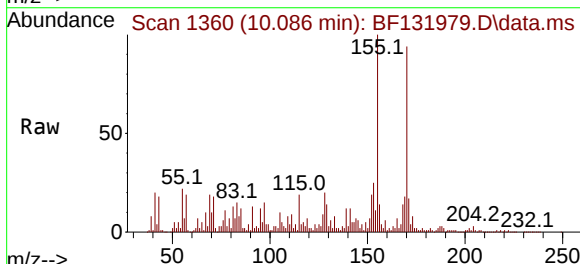
Tgt Ion:168 Resp: 122761

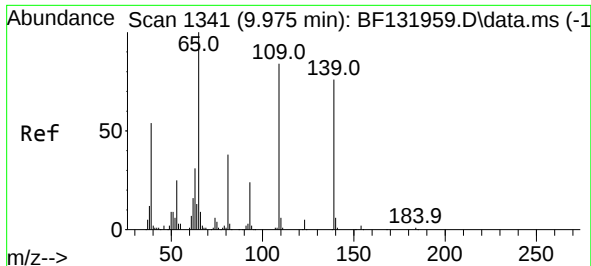
Ion Ratio Lower Upper

168 100

139 86.1 32.4 48.6#

169 128.5 10.7 16.1#

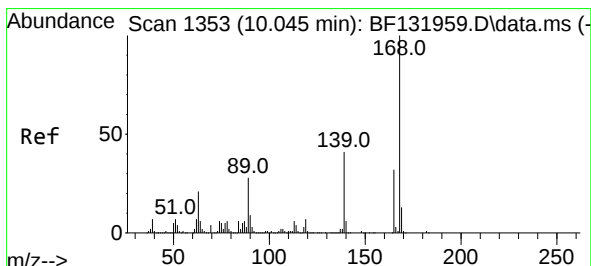
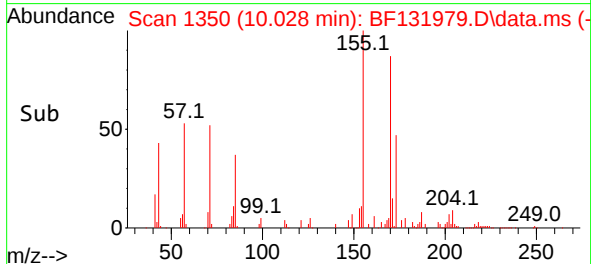
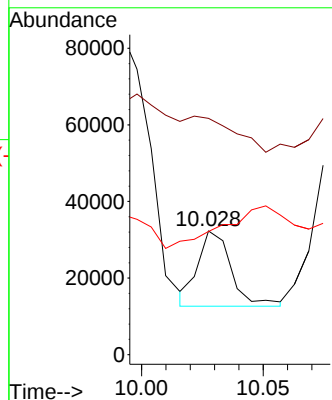
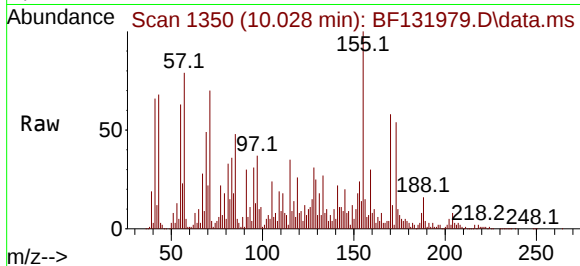




#56
4-Nitrophenol
Concen: 18.517 ng
RT: 10.028 min Scan# 11
Delta R.T. 0.053 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

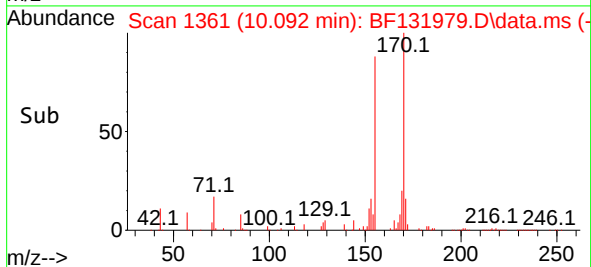
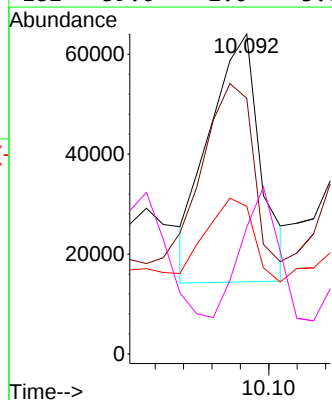
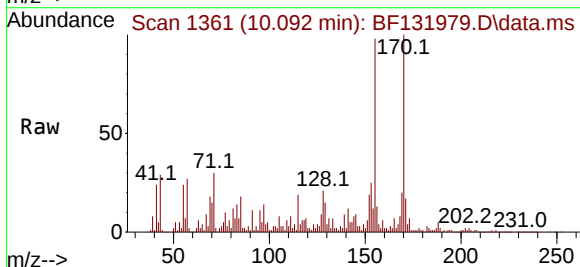
Instrument :
BNA_F
ClientSampleId :
UST-DRUM

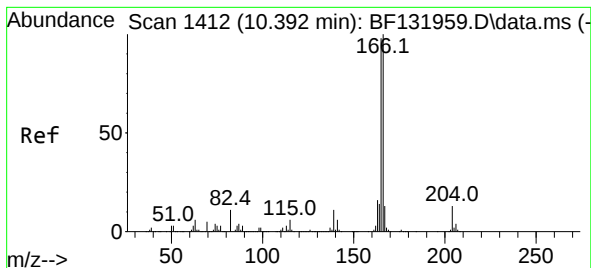
Tgt Ion:139 Resp: 18686
Ion Ratio Lower Upper
139 100
109 191.2 90.5 130.5#
65 99.7 112.6 152.6#



#57
2,4-Dinitrotoluene
Concen: 25.284 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.047 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion:165 Resp: 62425
Ion Ratio Lower Upper
165 100
63 79.9 53.2 79.8#
89 46.1 71.2 106.8#
182 39.6 2.0 3.0#





#58

Fluorene

Concen: 41.228 ng

RT: 10.433 min Scan# 1419

Delta R.T. 0.041 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

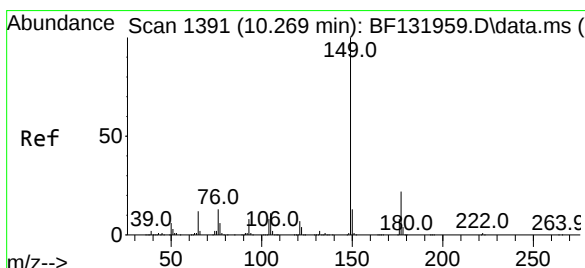
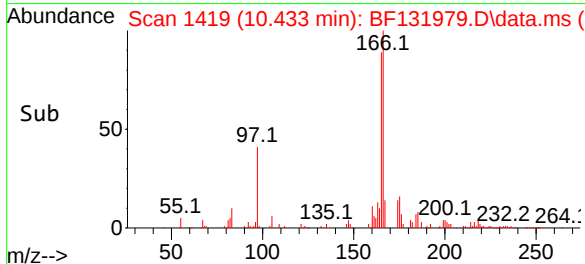
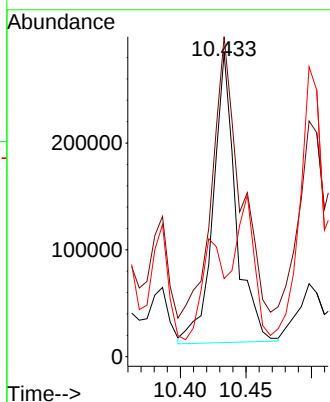
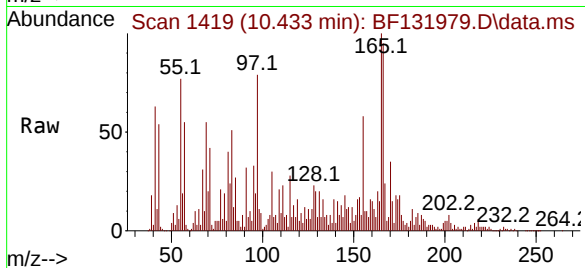
Tgt Ion:166 Resp: 326306

Ion Ratio Lower Upper

166 100

165 105.2 78.3 117.5

167 25.7 10.7 16.1#



#60

Diethylphthalate

Concen: 2.717 ng

RT: 10.339 min Scan# 1403

Delta R.T. 0.070 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

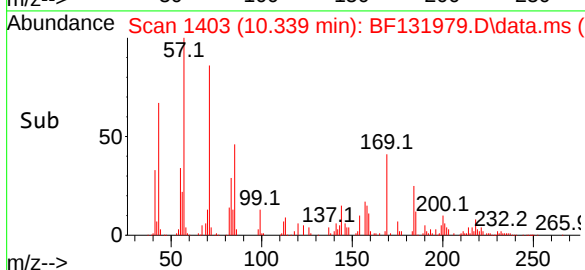
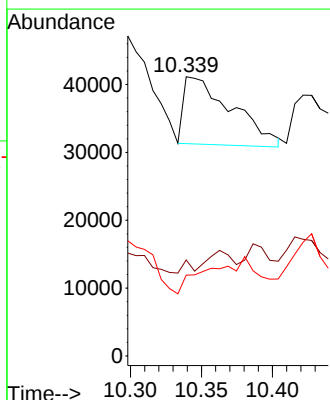
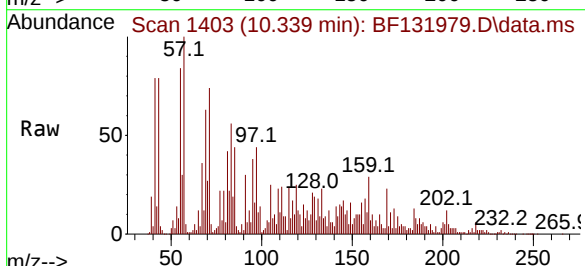
Tgt Ion:149 Resp: 23462

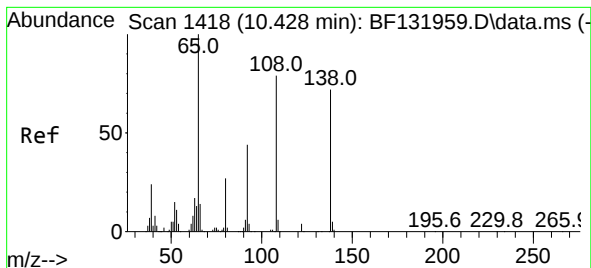
Ion Ratio Lower Upper

149 100

177 34.4 17.7 26.5#

150 28.9 10.2 15.2#

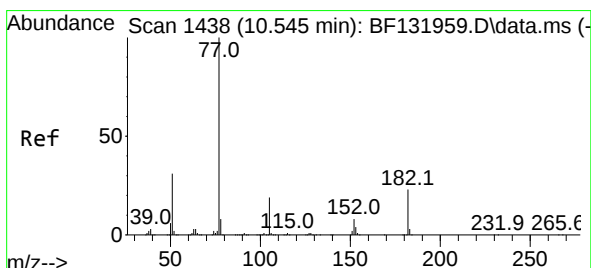
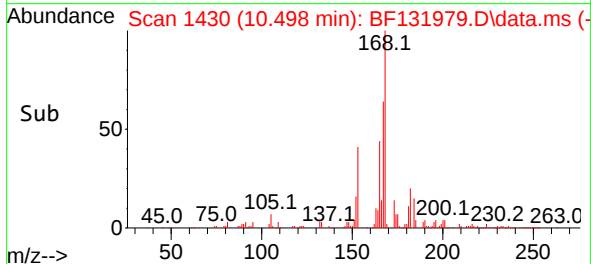
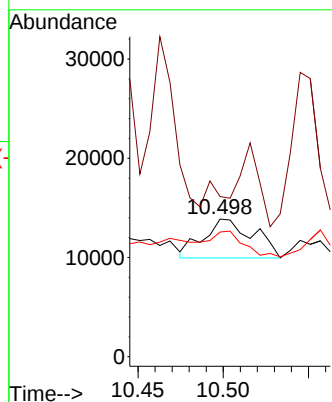
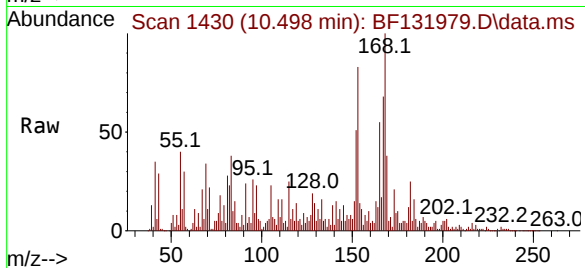




#62
4-Nitroaniline
Concen: 4.961 ng
RT: 10.498 min Scan# 1418
Delta R.T. 0.070 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

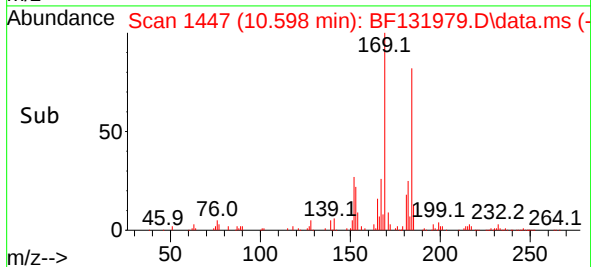
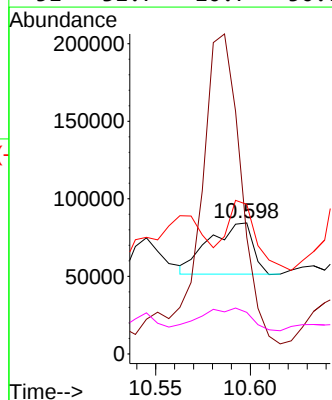
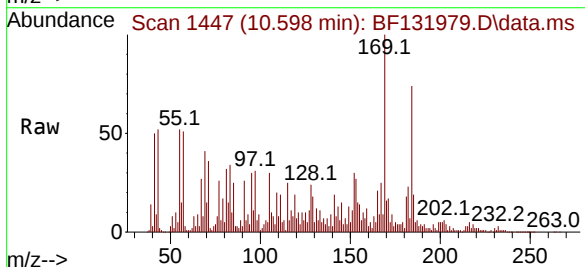
Instrument :
BNA_F
ClientSampleId :
UST-DRUM

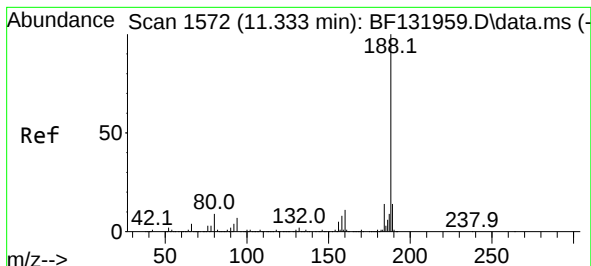
Tgt Ion:138 Resp: 7992
Ion Ratio Lower Upper
138 100
92 116.4 41.3 81.3#
108 90.7 89.8 129.8



#63
Azobenzene
Concen: 5.718 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.053 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion: 77 Resp: 52366
Ion Ratio Lower Upper
77 100
182 89.1 2.9 42.9#
105 114.1 0.0 39.3#
51 31.7 10.7 50.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

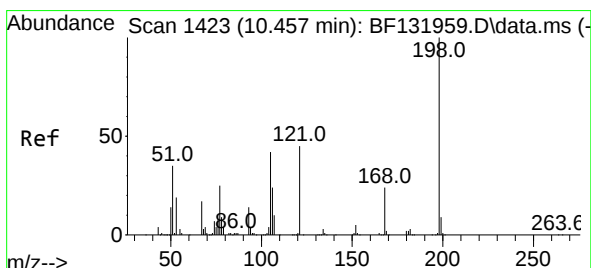
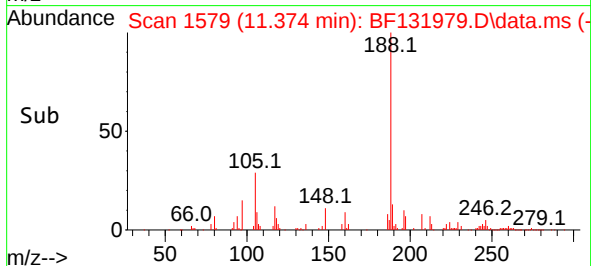
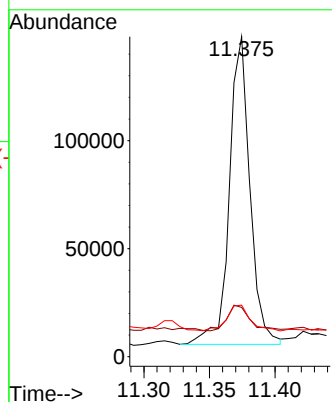
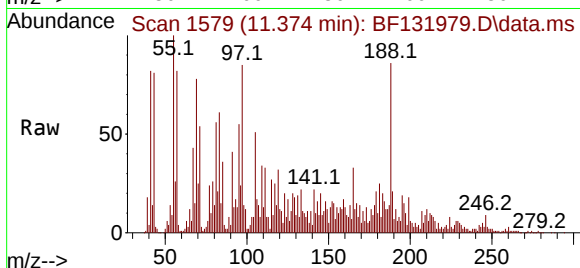
Tgt Ion:188 Resp: 155685

Ion Ratio Lower Upper

188 100

94 15.4 5.8 8.6#

80 16.1 7.4 11.0#



#65

4,6-Dinitro-2-methylphenol

Concen: 2.836 ng

RT: 10.498 min Scan# 1430

Delta R.T. 0.041 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

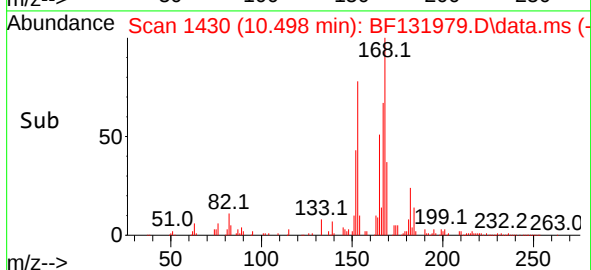
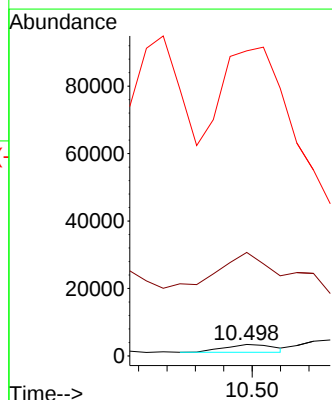
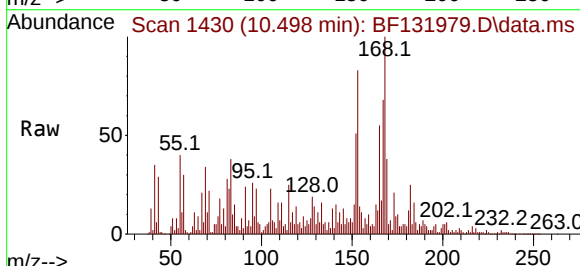
Tgt Ion:198 Resp: 2847

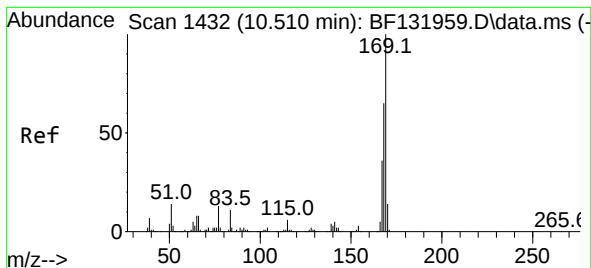
Ion Ratio Lower Upper

198 100

51 901.8 21.4 61.4#

105 2657.1 23.0 63.0#

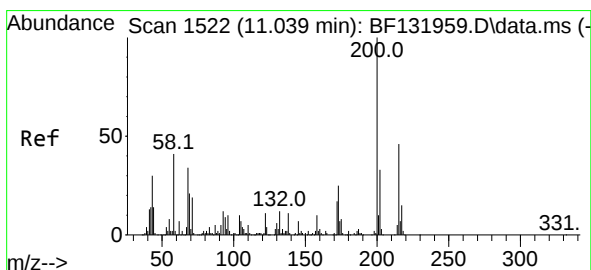
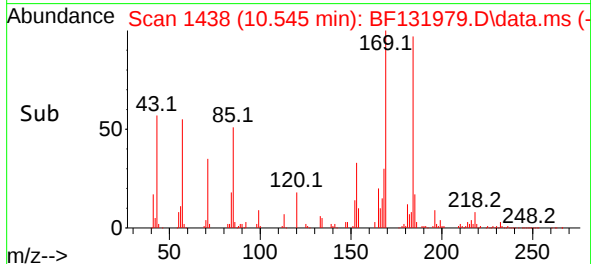
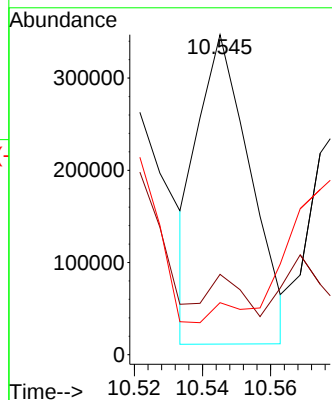
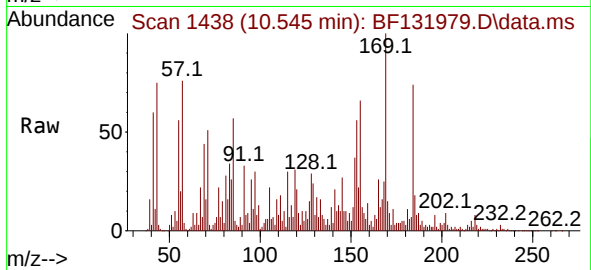




#66
n-Nitrosodiphenylamine
Concen: 73.352 ng
RT: 10.545 min Scan# 1438
Delta R.T. 0.035 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

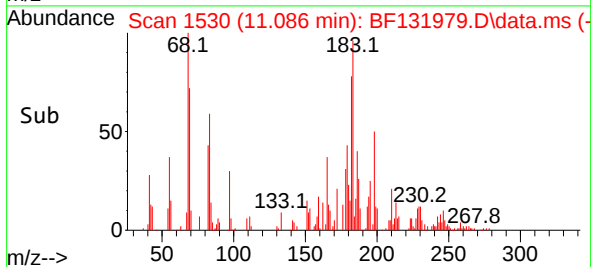
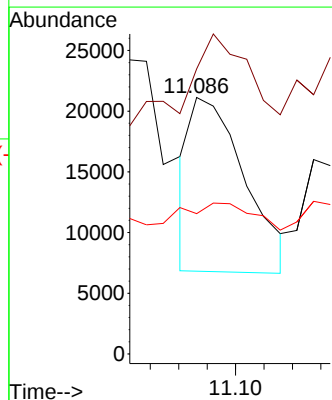
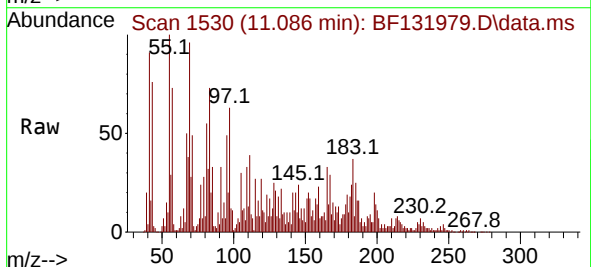
Instrument :
BNA_F
ClientSampleId :
UST-DRUM

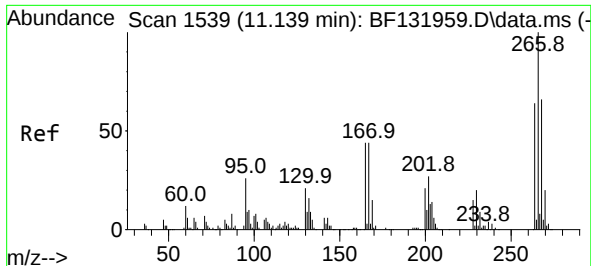
Tgt Ion:169 Resp: 358278
Ion Ratio Lower Upper
169 100
168 25.1 52.5 78.7#
167 16.2 28.6 43.0#



#69
Atrazine
Concen: 10.763 ng
RT: 11.086 min Scan# 1530
Delta R.T. 0.047 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion:200 Resp: 19118
Ion Ratio Lower Upper
200 100
173 111.2 5.1 45.1#
215 54.7 25.6 65.6

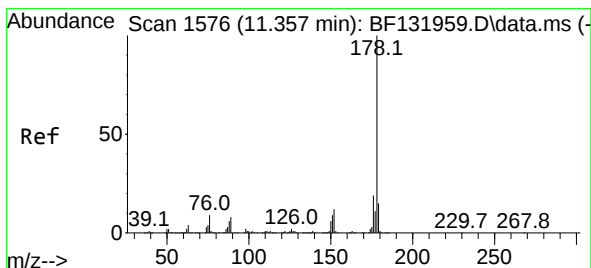
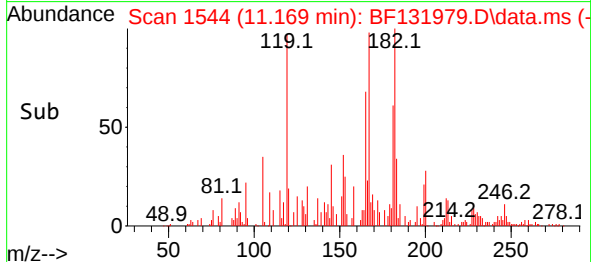
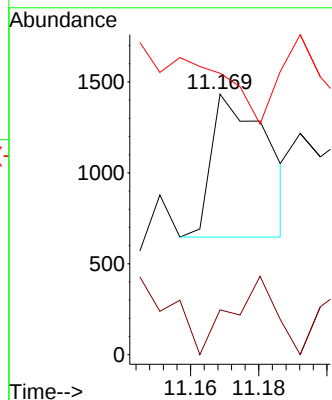
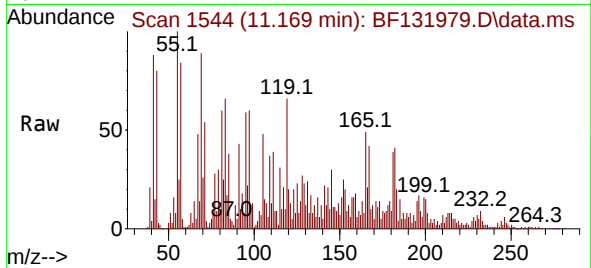




#70
Pentachlorophenol
Concen: 5.155 ng
RT: 11.169 min Scan# 11
Delta R.T. 0.030 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

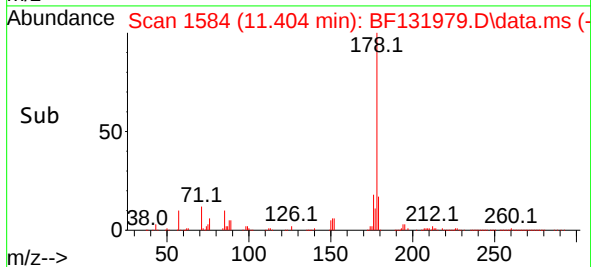
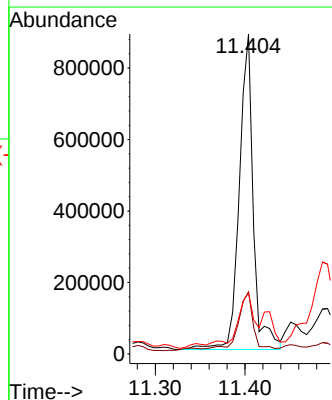
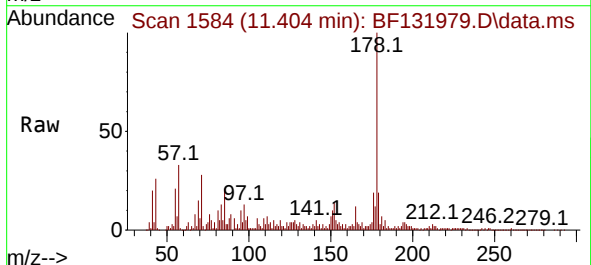
Instrument :
BNA_F
ClientSampleId :
UST-DRUM

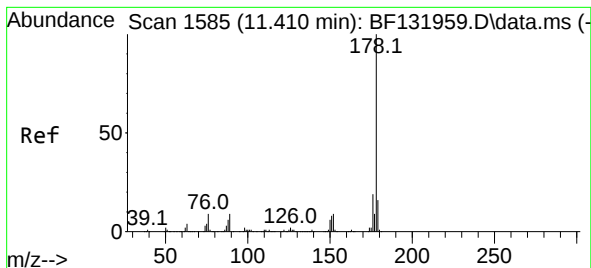
Tgt Ion:266 Resp: 886
Ion Ratio Lower Upper
266 100
268 17.2 52.7 79.1#
264 108.0 51.6 77.4#



#71
Phenanthrene
Concen: 117.999 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.047 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion:178 Resp: 957673
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 19.2 12.4 18.6#





#72

Anthracene

Concen: 10.268 ng

RT: 11.451 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

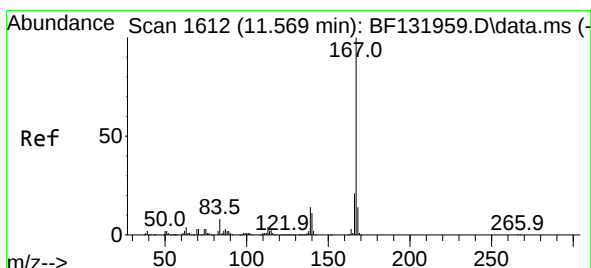
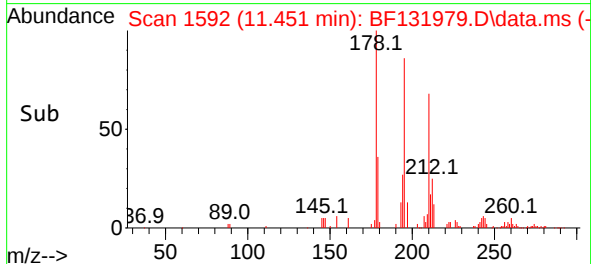
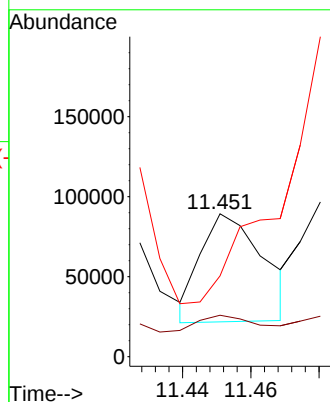
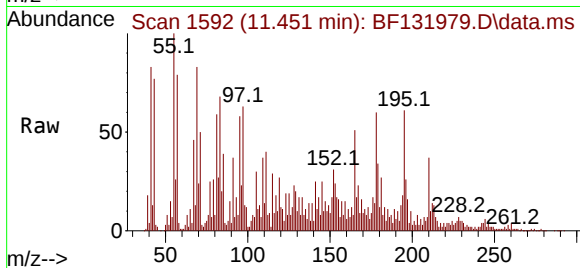
Tgt Ion:178 Resp: 85791

Ion Ratio Lower Upper

178 100

176 29.0 15.3 22.9#

179 56.6 12.6 19.0#



#73

Carbazole

Concen: 12.963 ng

RT: 11.616 min Scan# 1620

Delta R.T. 0.047 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

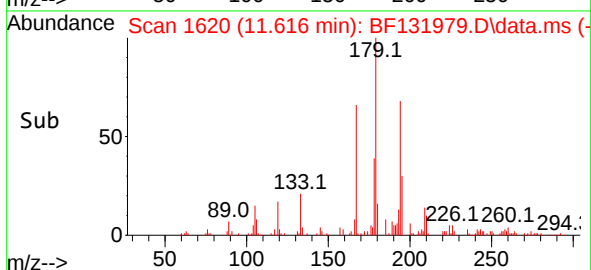
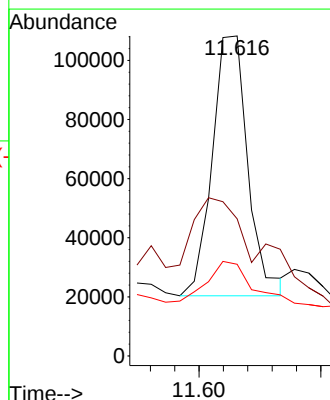
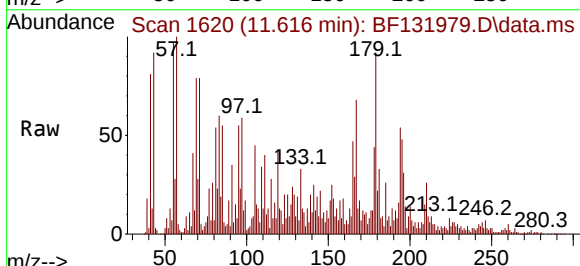
Tgt Ion:167 Resp: 89668

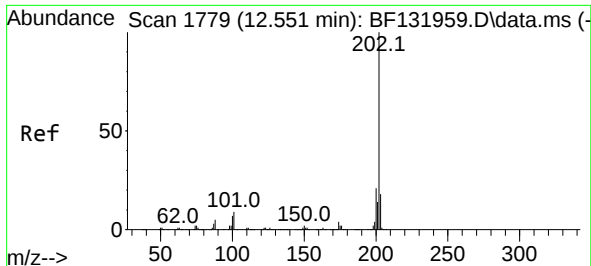
Ion Ratio Lower Upper

167 100

166 42.8 16.8 25.2#

139 28.6 11.1 16.7#

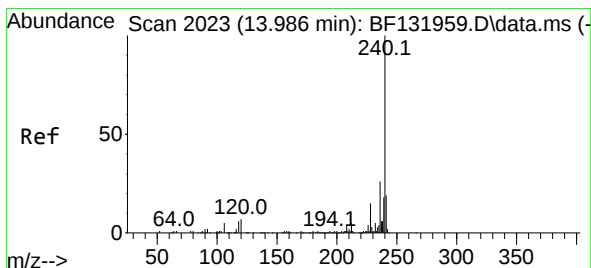
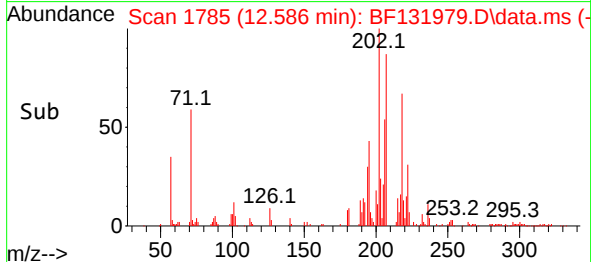
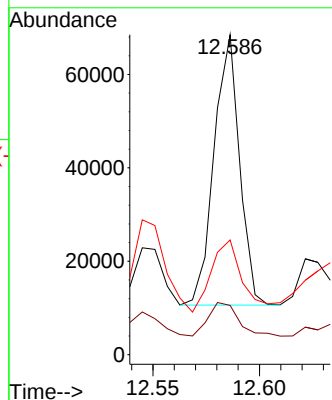
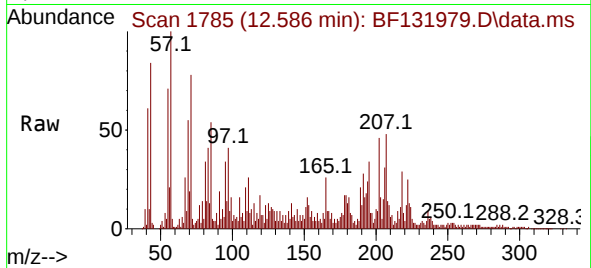




#75
Fluoranthene
Concen: 5.265 ng
RT: 12.586 min Scan# 1785
Delta R.T. 0.035 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

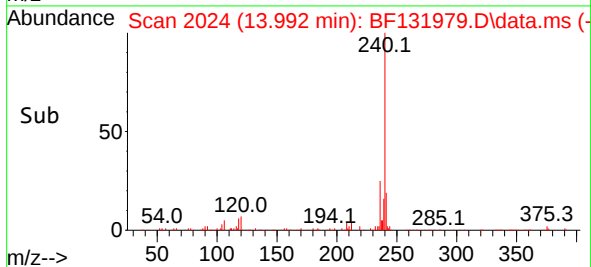
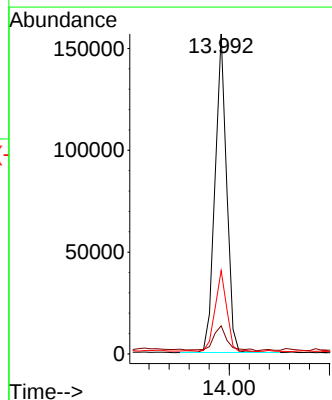
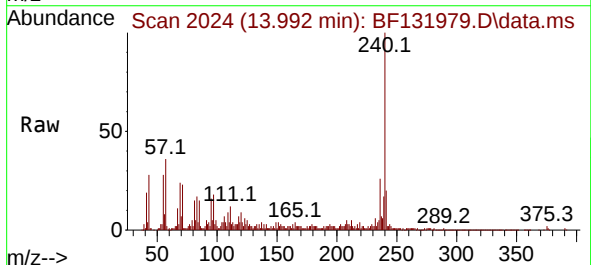
Instrument :
BNA_F
ClientSampleId :
UST-DRUM

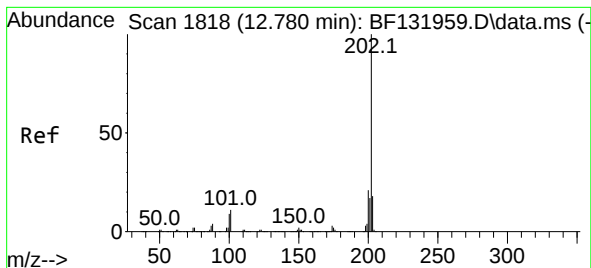
Tgt Ion:202 Resp: 48060
Ion Ratio Lower Upper
202 100
101 15.4 0.0 28.8
203 35.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF131979.D
Acq: 09 Jan 2023 23:42

Tgt Ion:240 Resp: 125703
Ion Ratio Lower Upper
240 100
120 8.8 5.4 8.0#
236 26.0 21.1 31.7





#78

Pyrene

Concen: 2.811 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.018 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

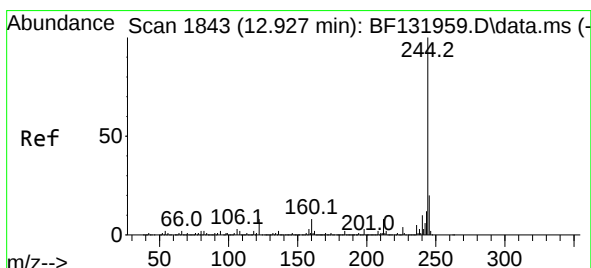
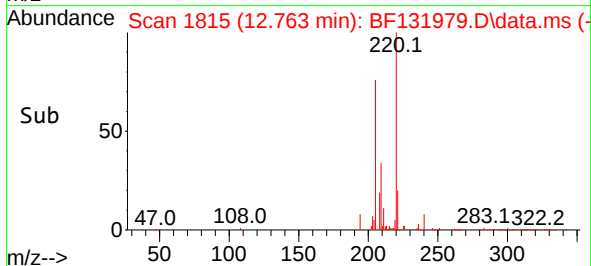
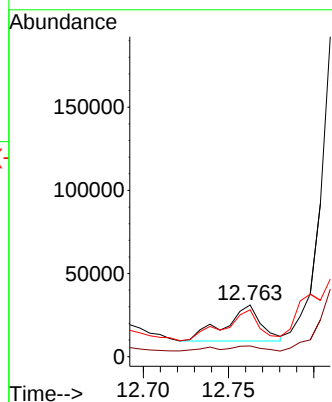
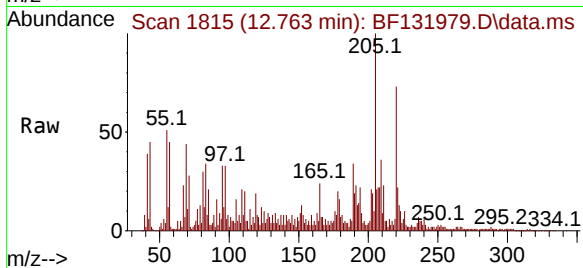
Tgt Ion:202 Resp: 32223

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.6

203 91.0 14.1 21.1#



#79

Terphenyl-d14

Concen: 75.583 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.018 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

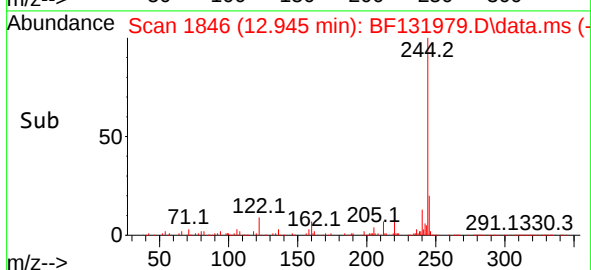
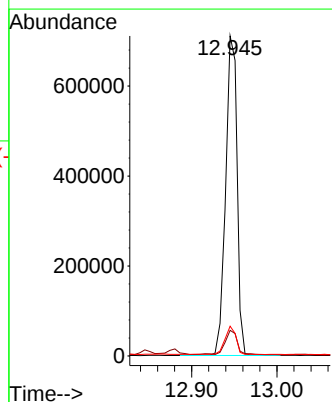
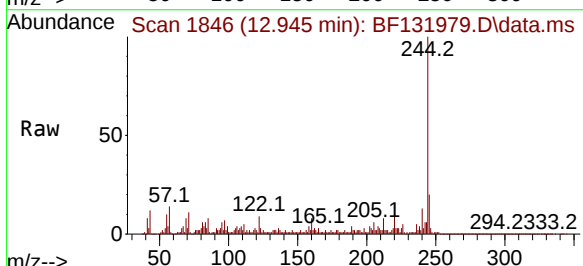
Tgt Ion:244 Resp: 662886

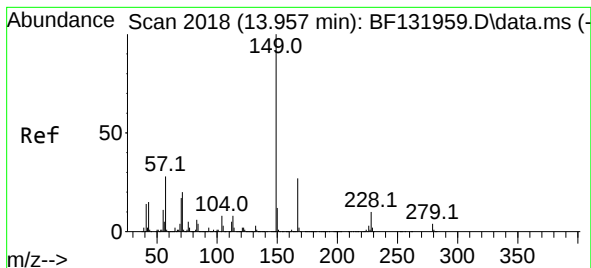
Ion Ratio Lower Upper

244 100

212 8.0 6.3 9.5

122 9.3 6.8 10.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.272 ng

RT: 13.963 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM

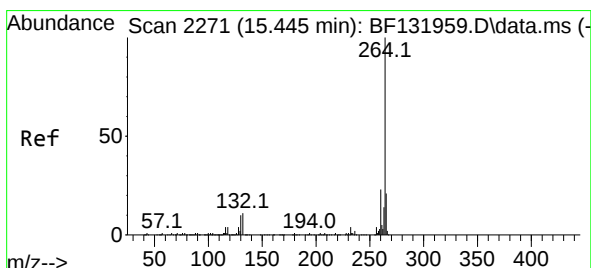
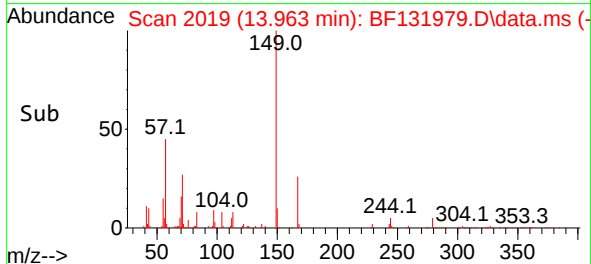
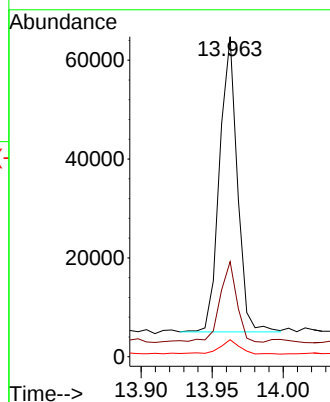
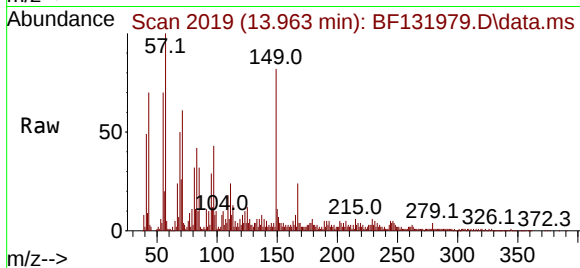
Tgt Ion:149 Resp: 51860

Ion Ratio Lower Upper

149 100

167 29.7 21.3 31.9

279 5.3 3.2 4.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.006 min

Lab File: BF131979.D

Acq: 09 Jan 2023 23:42

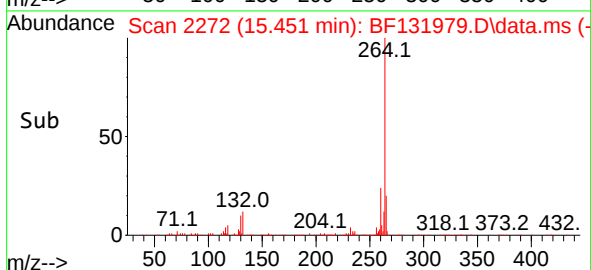
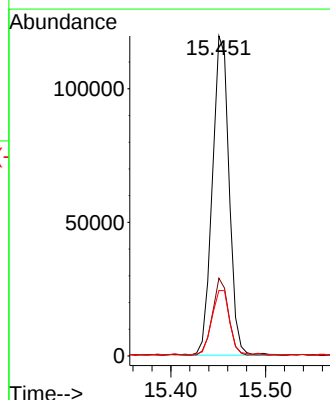
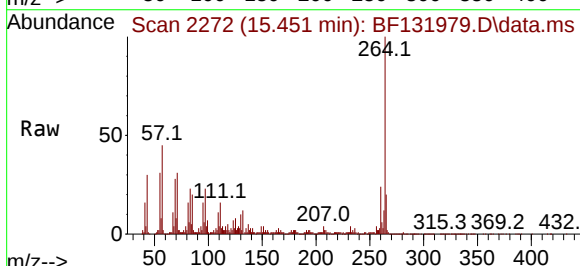
Tgt Ion:264 Resp: 146343

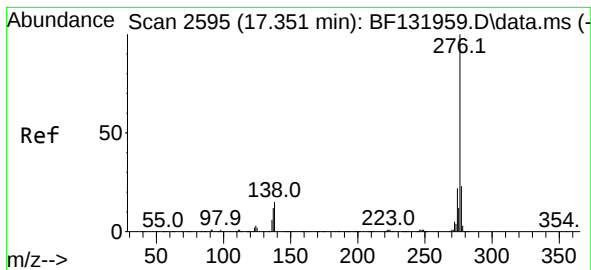
Ion Ratio Lower Upper

264 100

260 24.3 18.3 27.5

265 20.5 16.9 25.3





#92

Benzo(g,h,i)perylene

Concen: 3.593 ng

RT: 17.362 min Scan# 2

Delta R.T. 0.011 min

Lab File: BF131979.D

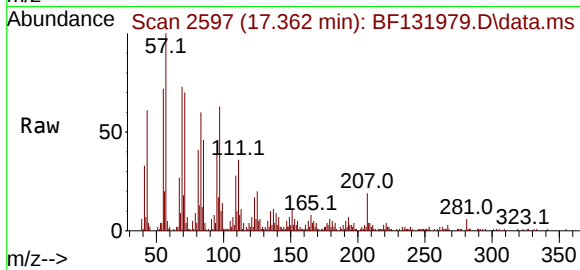
Acq: 09 Jan 2023 23:42

Instrument :

BNA_F

ClientSampleId :

UST-DRUM



Tgt Ion:276 Resp: 591

Ion Ratio Lower Upper

276 100

277 85.3 18.2 27.2#

138 264.1 11.7 17.5#

