

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030321\
 Data File : BF123360.D
 Acq On : 3 Mar 2021 17:34
 Operator : JU/CG
 Sample : M1545-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

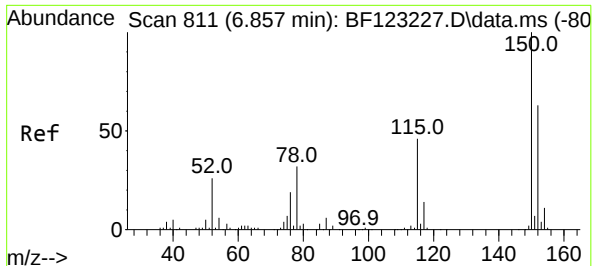
Instrument :
 BNA_F
 ClientSampleId :
 MH-20A

Quant Time: Mar 03 23:53:39 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 03 13:18:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	6864	20.00	ng	#-0.06
21) Naphthalene-d8	8.063	136	629	20.00	ng	#-0.06
39) Acenaphthene-d10	9.875	164	251207	20.00	ng	-0.01
64) Phenanthrene-d10	11.363	188	173424	20.00	ng	#-0.02
76) Chrysene-d12	14.027	240	223185	20.00	ng	0.00
86) Perylene-d12	15.504	264	339342	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	6763	14.18	ng	0.10
7) Phenol-d6	6.357	99	458	0.71	ng	-0.13
23) Nitrobenzene-d5	7.239	82	17794	1294.99	ng	-0.18
42) 2,4,6-Tribromophenol	10.663	330	208569	81.54	ng	-0.02
45) 2-Fluorobiphenyl	9.292	172	50339	2.88	ng	0.08
79) Terphenyl-d14	12.968	244	696731	60.03	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.334	77	198	Below Cal	#	30
16) 2,2'-oxybis(1-Chloropr...	6.963	45	18372	26.45	ng	70
19) n-Nitroso-di-n-propyla...	7.169	70	5240	13.60	ng	# 1
22) Acetophenone	7.198	105	1875	114.92	ng	# 1
24) Nitrobenzene	7.545	77	531	36.65	ng	# 1
25) Isophorone	7.604	82	587	22.85	ng	# 1
27) 2,4-Dimethylphenol	7.510	122	233	24.80	ng	# 1
28) bis(2-Chloroethoxy)met...	7.851	93	366	27.22	ng	# 1
29) 2,4-Dichlorophenol	7.934	162	218	22.48	ng	# 1
32) Benzoic acid	7.969	122	477	68.83	ng	# 1
35) Caprolactam	8.292	113	5088	1563.24	ng	# 1
36) 4-Chloro-3-methylphenol	8.610	107	9234	800.84	ng	# 1
37) 2-Methylnaphthalene	8.892	142	176202	7673.45	ng	# 5
38) 1-Methylnaphthalene	8.892	142	176202	8204.29	ng	# 3
48) 2-Nitroaniline	9.580	65	251517	42.70	ng	# 2
51) 2,6-Dinitrotoluene	9.710	165	51425	11.88	ng	# 85
57) 2,4-Dinitrotoluene	10.116	165	12024	2.07	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	9151	4.84	ng	# 1

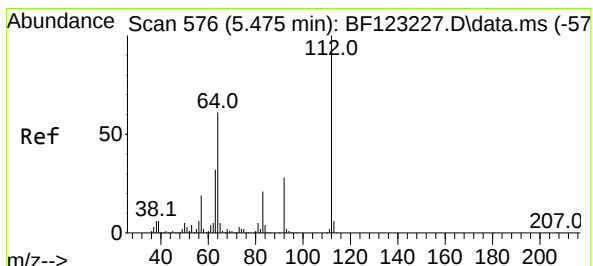
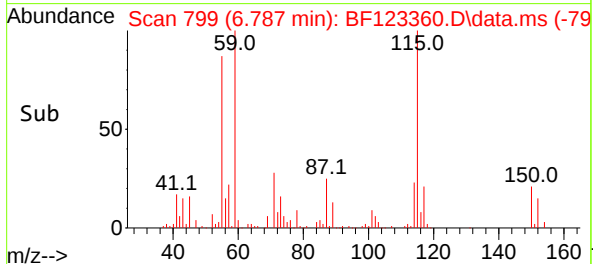
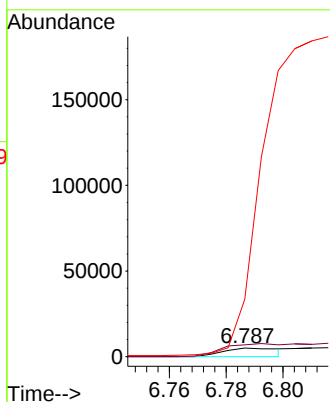
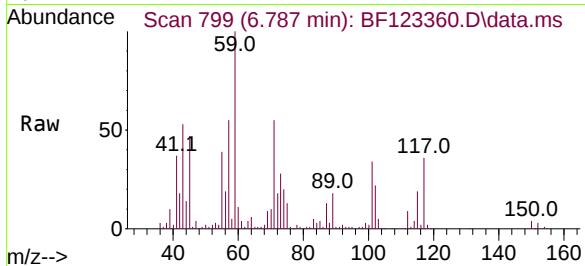
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.059 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

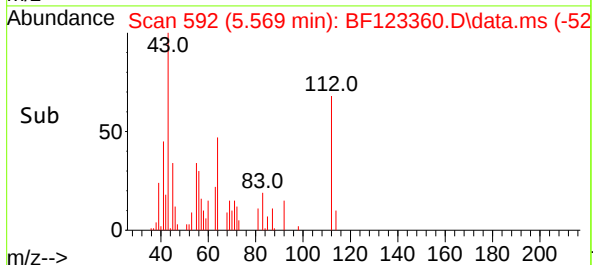
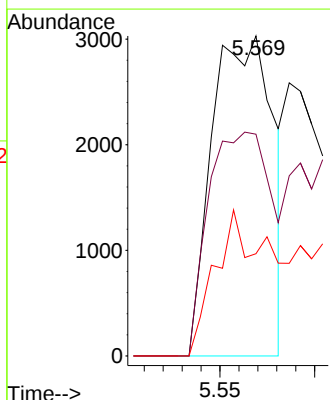
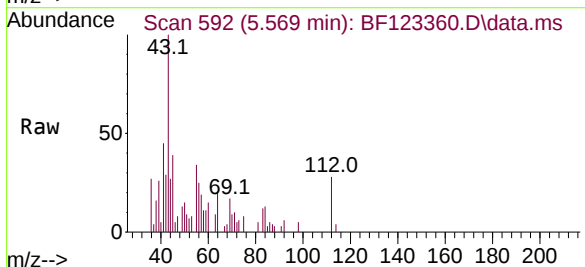
Instrument :
BNA_F
ClientSampleId :
MH-20A

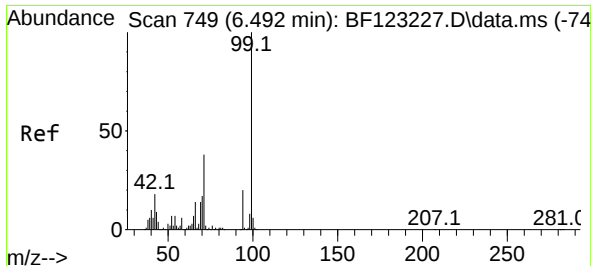
Tgt Ion:152 Resp: 6864
Ion Ratio Lower Upper
152 100
150 136.8 125.8 188.6
115 662.1 49.3 73.9#



#5
2-Fluorophenol
Concen: 14.18 ng
RT: 5.569 min Scan# 592
Delta R.T. 0.100 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

Tgt Ion:112 Resp: 6763
Ion Ratio Lower Upper
112 100
64 69.3 46.9 70.3
63 31.9 24.5 36.7

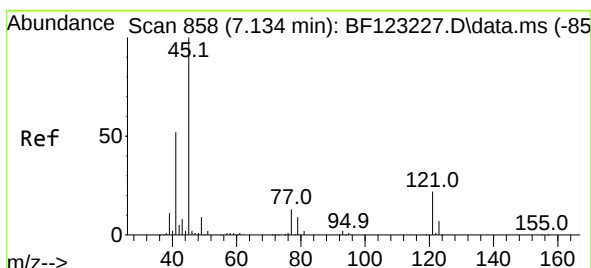
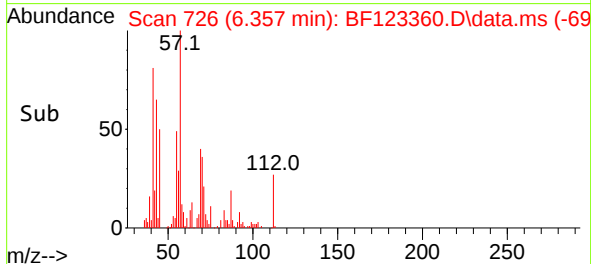
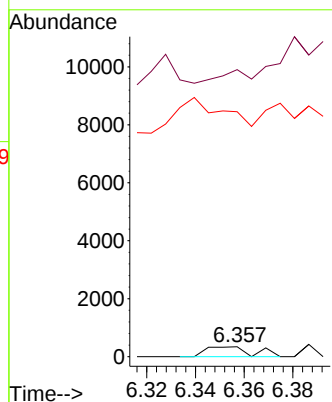
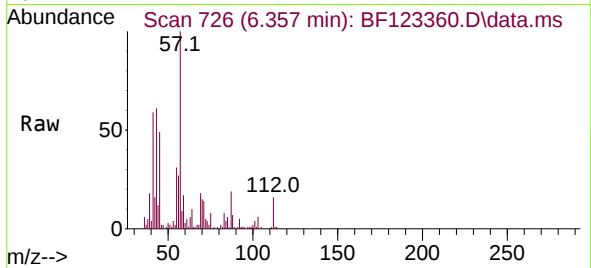




#7
Phenol-d6
Concen: 0.71 ng
RT: 6.357 min Scan# 726
Delta R.T. -0.130 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

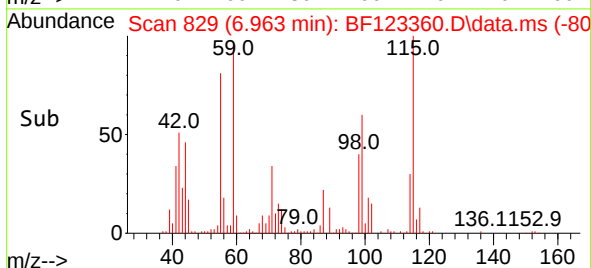
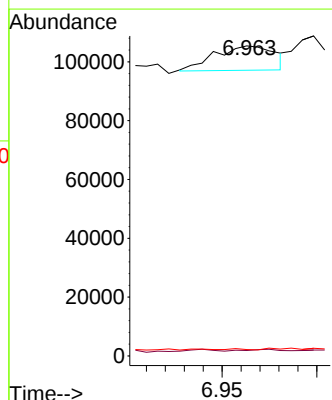
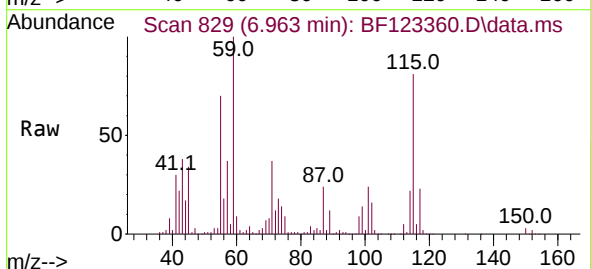
Instrument :
BNA_F
ClientSampleID :
MH-20A

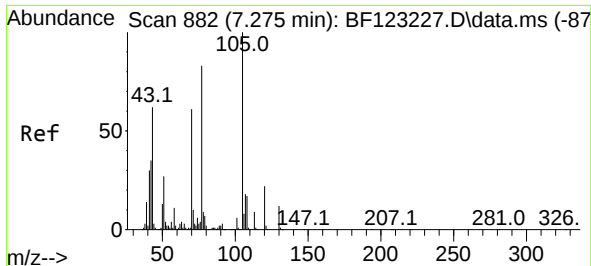
Tgt Ion: 99 Resp: 458
Ion Ratio Lower Upper
99 100
42 2912.6 13.8 20.6#
71 2486.2 26.9 40.3#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 26.45 ng
RT: 6.963 min Scan# 829
Delta R.T. -0.159 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

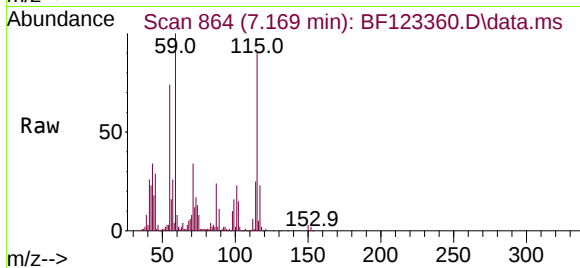
Tgt Ion: 45 Resp: 18372
Ion Ratio Lower Upper
45 100
77 1.8 0.0 35.6
79 2.1 0.0 32.4



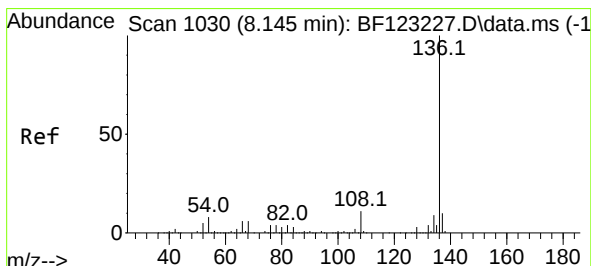
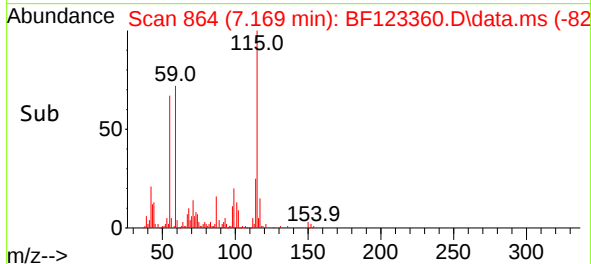
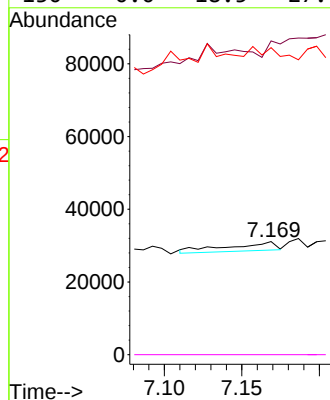


#19
n-Nitroso-di-n-propylamine
Concen: 13.60 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.094 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

Instrument :
BNA_F
ClientSampleId :
MH-20A

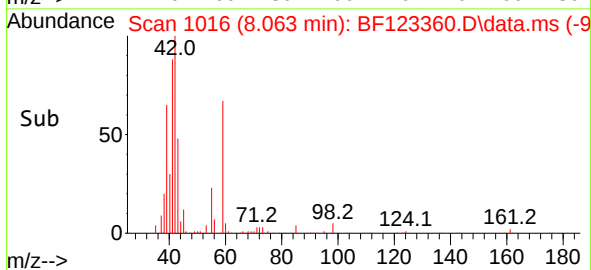
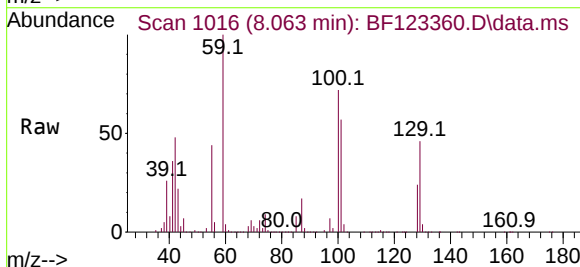
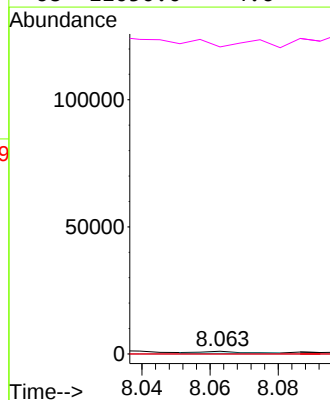


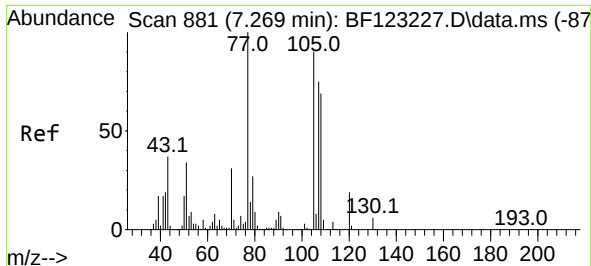
Tgt Ion: 70 Resp: 5240
Ion Ratio Lower Upper
70 100
42 277.3 43.0 64.4#
101 271.4 7.9 11.9#
130 0.0 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.065 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

Tgt Ion: 136 Resp: 629
Ion Ratio Lower Upper
136 100
137 0.0 8.8 13.2#
54 0.0 5.5 8.3#
68 11050.0 4.6 6.8#

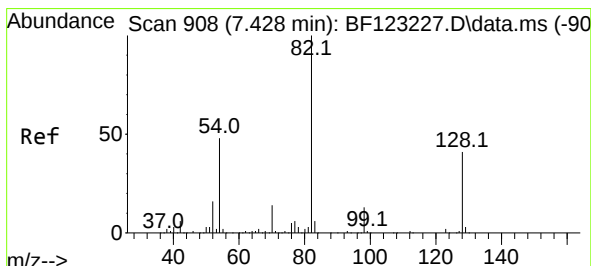
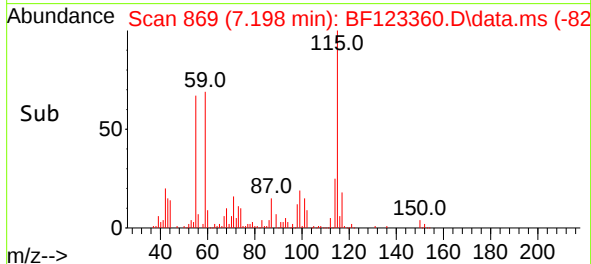
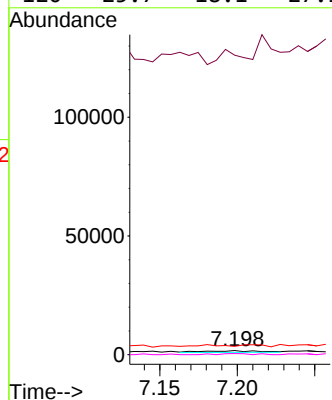
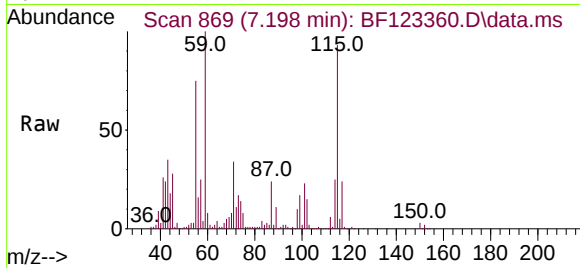




#22
Acetophenone
Concen: 114.92 ng
RT: 7.198 min Scan# 869
Delta R.T. -0.059 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

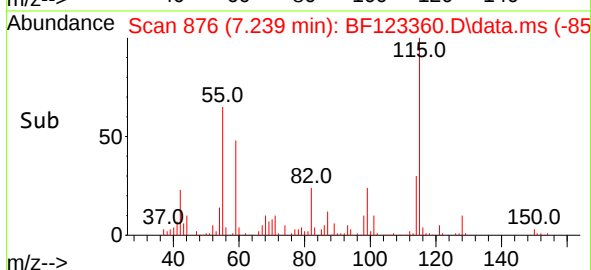
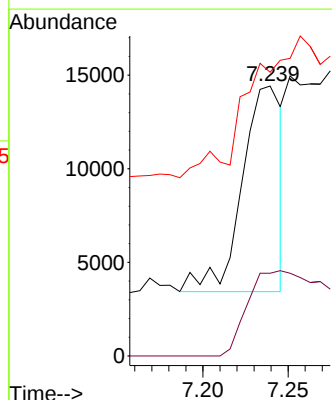
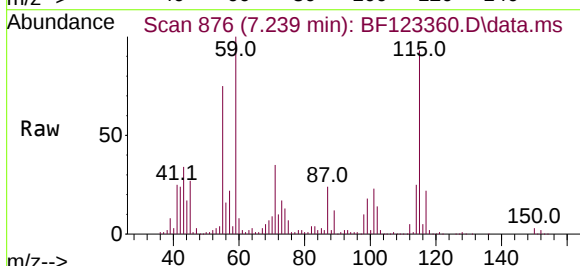
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BNA_F
ClientSampleId :
MH-20A

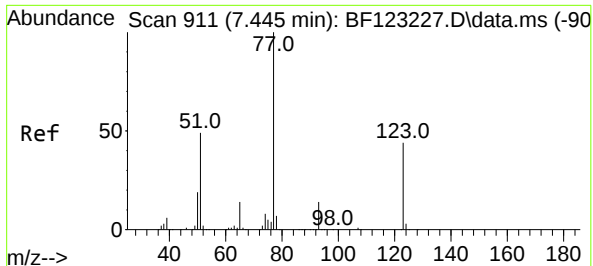
Tgt Ion:105 Resp: 1875
Ion Ratio Lower Upper
105 100
71 7293.4 6.5 9.7#
51 204.1 24.3 36.5#
120 25.7 18.1 27.1



#23
Nitrobenzene-d5
Concen: 1294.99 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.177 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

Tgt Ion: 82 Resp: 17794
Ion Ratio Lower Upper
82 100
128 30.7 37.0 55.4#
54 105.1 38.4 57.6#

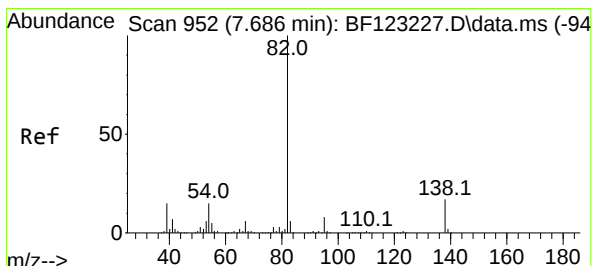
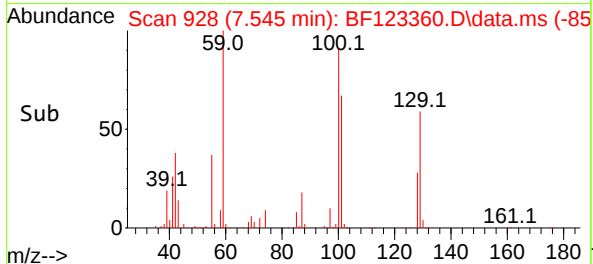
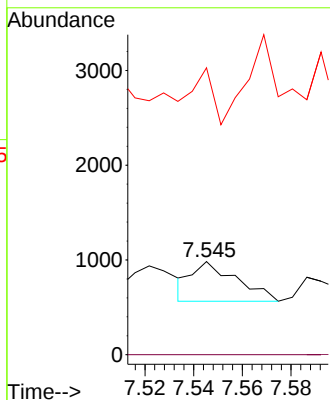
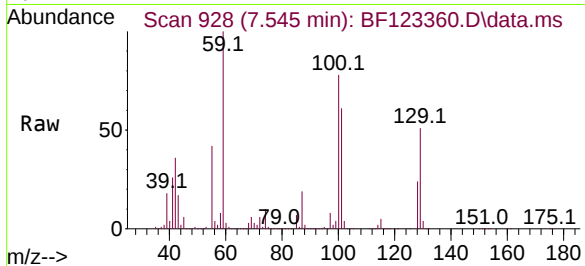




#24
Nitrobenzene
Concen: 36.65 ng
RT: 7.545 min Scan# 928
Delta R.T. 0.112 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

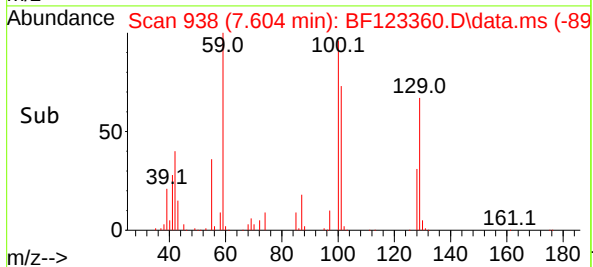
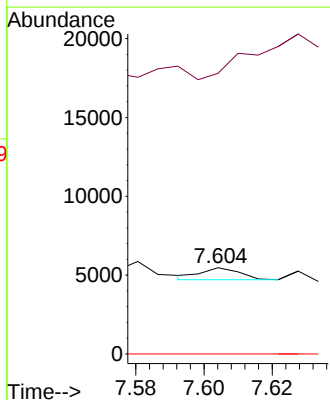
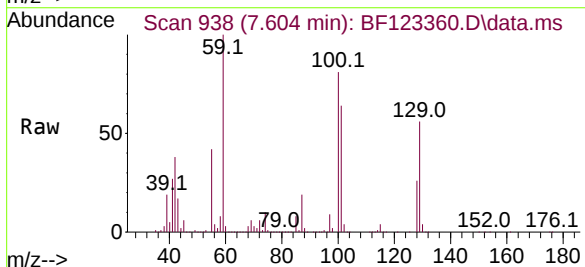
Instrument :
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ClientSampleId :
MH-20A

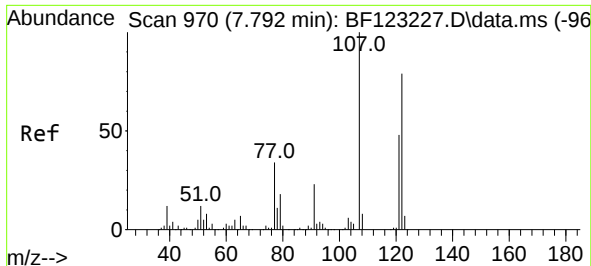
Tgt Ion: 77 Resp: 531
Ion Ratio Lower Upper
77 100
123 0.0 39.3 58.9#
65 308.0 10.6 15.8#



#25
Isophorone
Concen: 22.85 ng
RT: 7.604 min Scan# 938
Delta R.T. -0.071 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

Tgt Ion: 82 Resp: 587
Ion Ratio Lower Upper
82 100
95 325.1 5.8 8.6#
138 0.0 14.6 21.8#

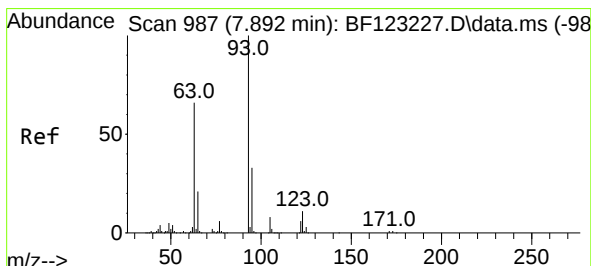
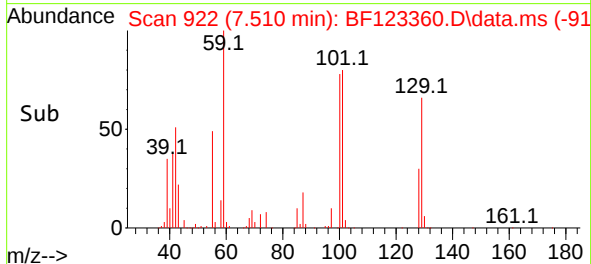
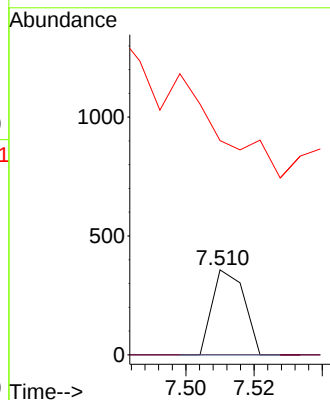
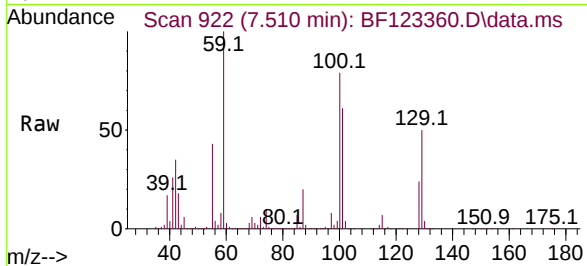




#27
2,4-Dimethylphenol
Concen: 24.80 ng
RT: 7.510 min Scan# 922
Delta R.T. -0.277 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

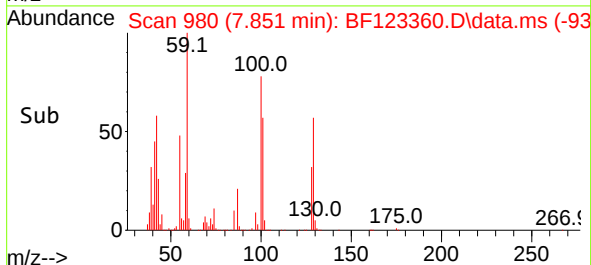
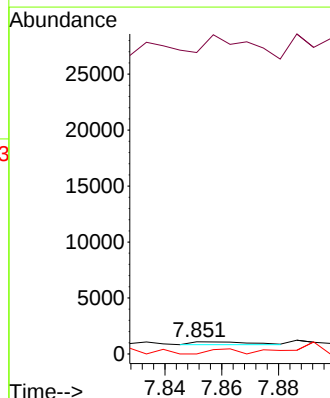
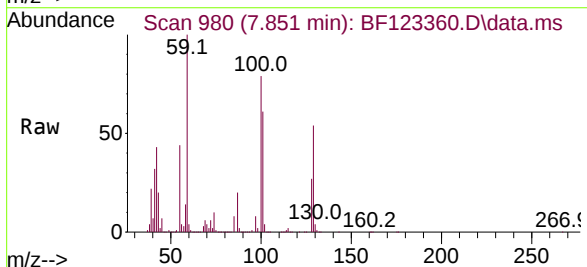
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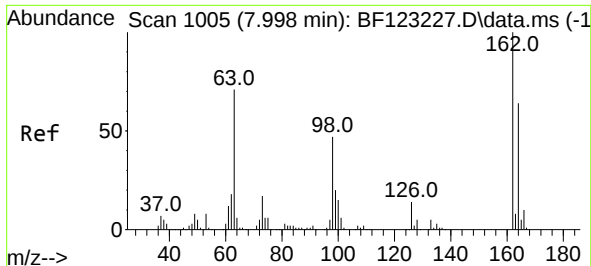
Tgt Ion:122 Resp: 233
Ion Ratio Lower Upper
122 100
107 0.0 91.8 137.8#
121 252.4 47.3 70.9#



#28
bis(2-Chloroethoxy)methane
Concen: 27.22 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.030 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

Tgt Ion: 93 Resp: 366
Ion Ratio Lower Upper
93 100
95 2463.7 26.2 39.2#
123 0.0 9.2 13.8#





#29

2,4-Dichlorophenol

Concen: 22.48 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.059 min

Lab File: BF123360.D

Acq: 3 Mar 2021 17:34

Tgt Ion:162 Resp: 218

Ion Ratio Lower Upper

162 100

164 0.0 43.2 83.2#

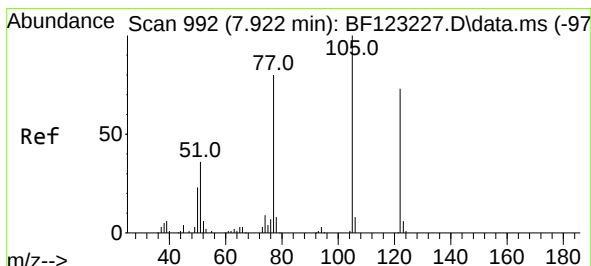
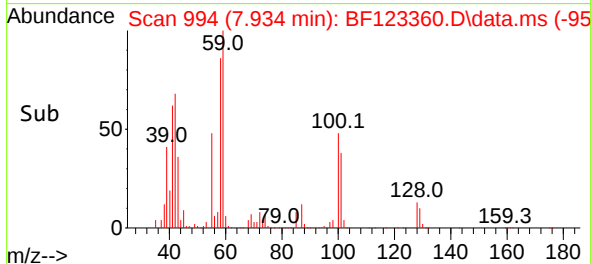
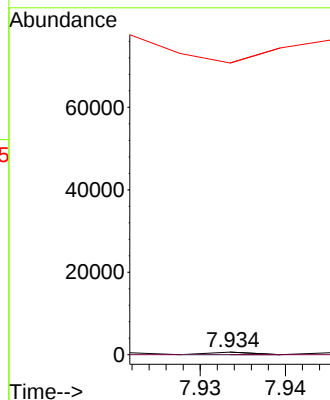
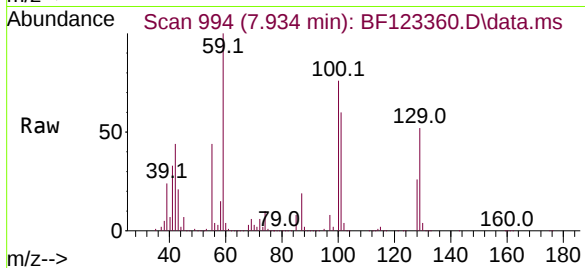
98 11448.5 15.2 55.2#

Instrument :

BNA_F

ClientSampleId :

MH-20A



#32

Benzoic acid

Concen: 68.83 ng

RT: 7.969 min Scan# 1000

Delta R.T. 0.035 min

Lab File: BF123360.D

Acq: 3 Mar 2021 17:34

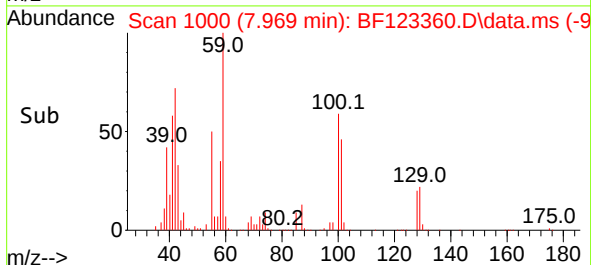
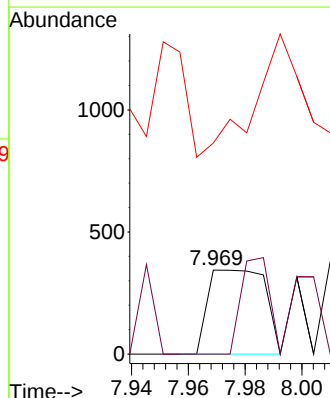
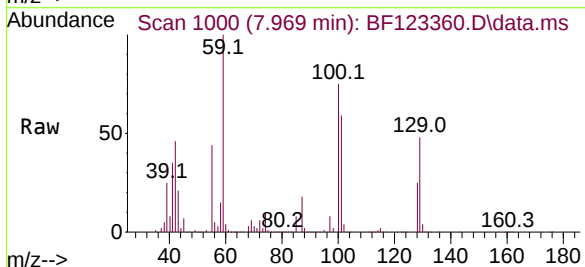
Tgt Ion:122 Resp: 477

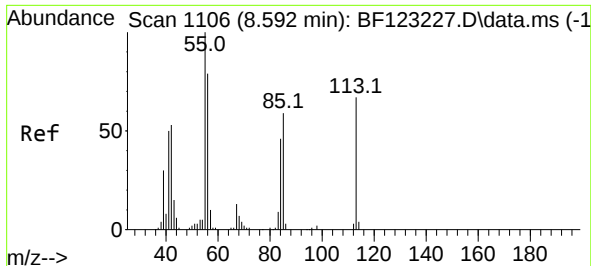
Ion Ratio Lower Upper

122 100

105 0.0 104.8 144.8#

77 251.2 71.0 111.0#

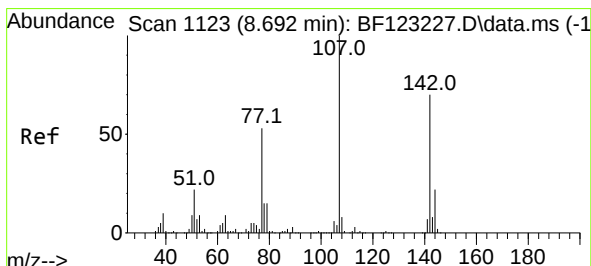
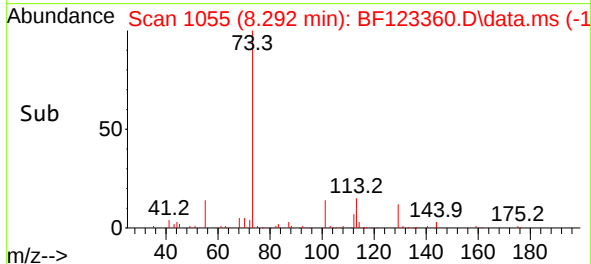
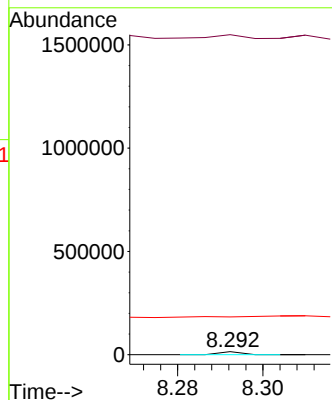
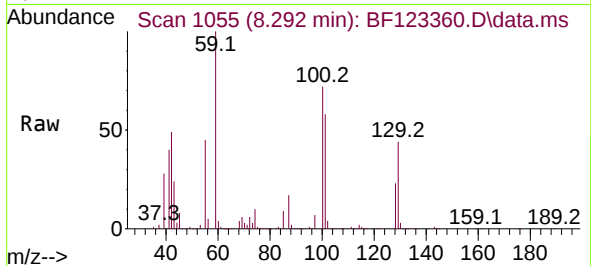




#35
Caprolactam
Concen: 1563.24 ng
RT: 8.292 min Scan# 1055
Delta R.T. -0.294 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

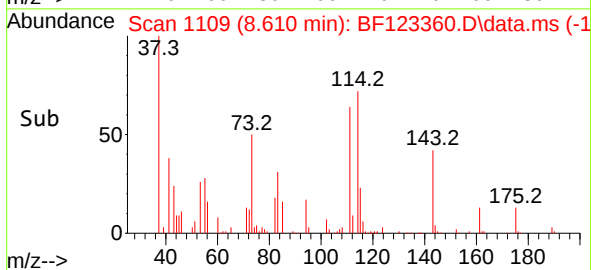
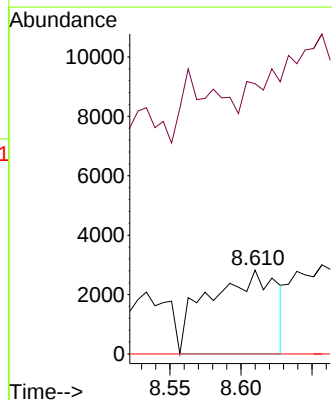
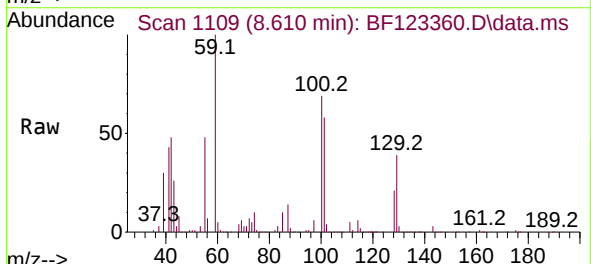
Instrument :
BNA_F
ClientSampleId :
MH-20A

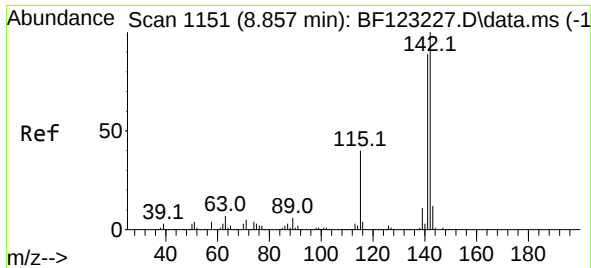
Tgt Ion:113 Resp: 5088
Ion Ratio Lower Upper
113 100
55 10740.5 133.7 173.7#
56 1269.8 95.3 135.3#



#36
4-Chloro-3-methylphenol
Concen: 800.84 ng
RT: 8.610 min Scan# 1109
Delta R.T. -0.077 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

Tgt Ion:107 Resp: 9234
Ion Ratio Lower Upper
107 100
144 322.0 20.2 30.2#
142 0.0 64.4 96.6#

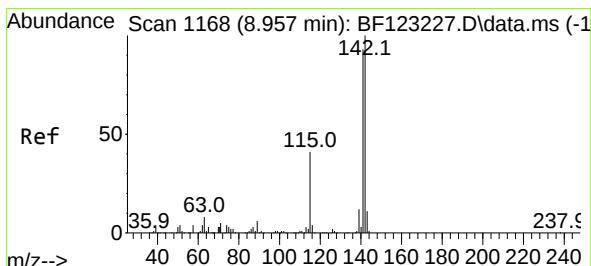
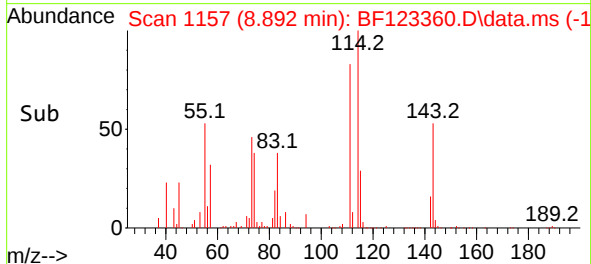
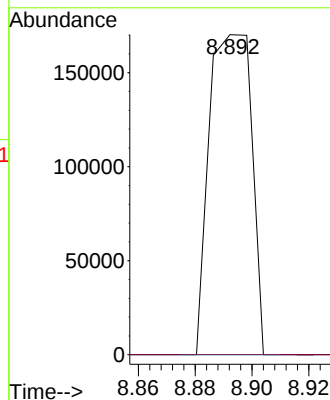
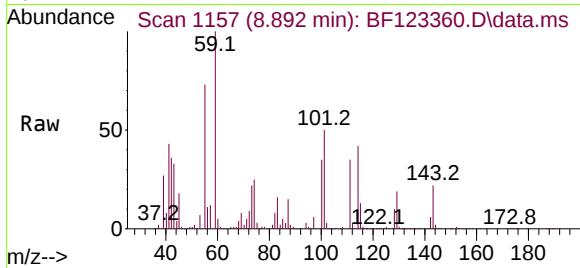




#37
2-Methylnaphthalene
Concen: 7673.45 ng
RT: 8.892 min Scan# 1157
Delta R.T. 0.047 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

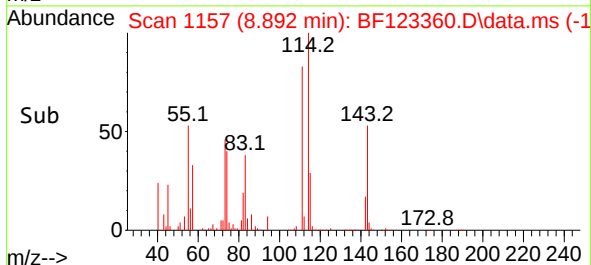
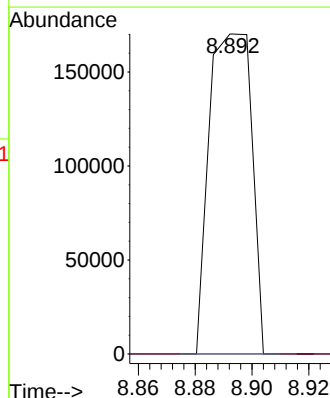
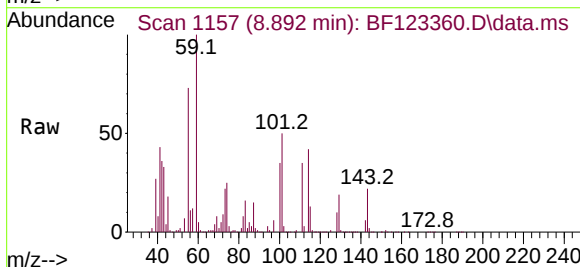
Instrument :
BNA_F
ClientSampleId :
MH-20A

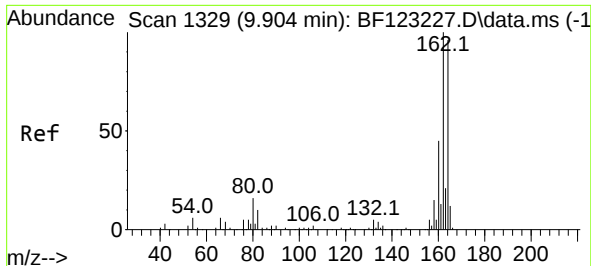
Tgt Ion:142 Resp: 176202
Ion Ratio Lower Upper
142 100
141 0.0 70.6 106.0#



#38
1-Methylnaphthalene
Concen: 8204.29 ng
RT: 8.892 min Scan# 1157
Delta R.T. -0.053 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

Tgt Ion:142 Resp: 176202
Ion Ratio Lower Upper
142 100
141 0.0 74.5 111.7#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.012 min

Lab File: BF123360.D

Acq: 3 Mar 2021 17:34

Tgt Ion:164 Resp: 251207

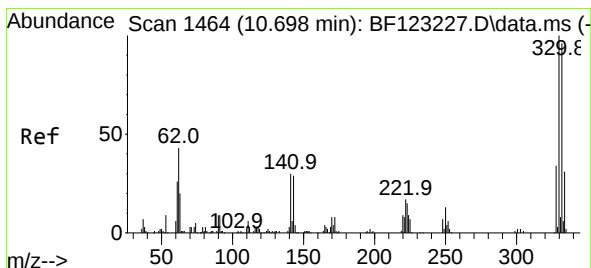
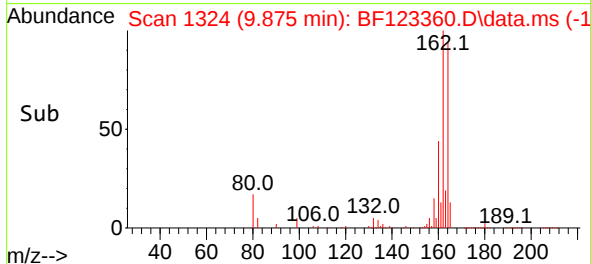
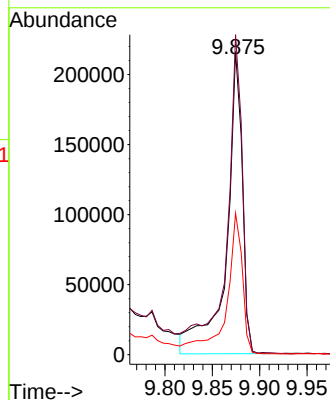
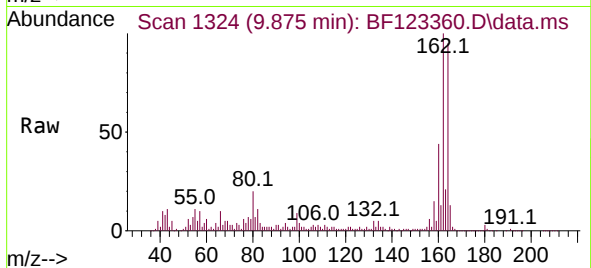
Ion	Ratio	Lower	Upper
164	100		
162	105.6	80.8	121.2
160	46.7	35.4	53.0

Instrument :

BNA_F

ClientSampleId :

MH-20A



#42

2,4,6-Tribromophenol

Concen: 81.54 ng

RT: 10.663 min Scan# 1458

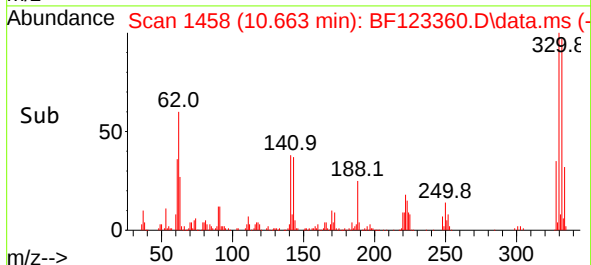
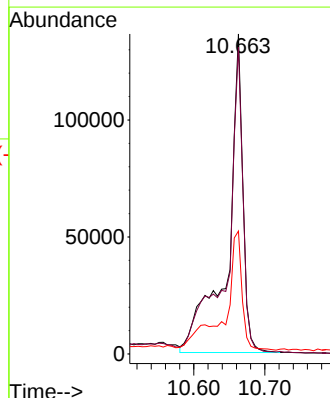
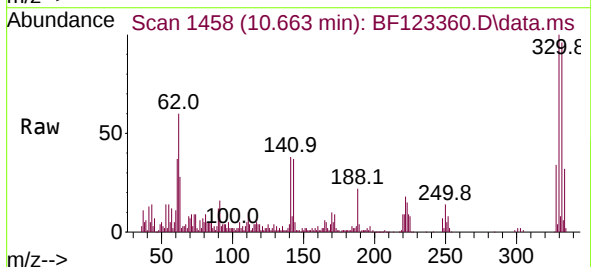
Delta R.T. -0.018 min

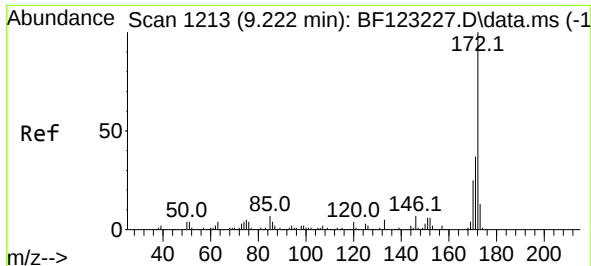
Lab File: BF123360.D

Acq: 3 Mar 2021 17:34

Tgt Ion:330 Resp: 208569

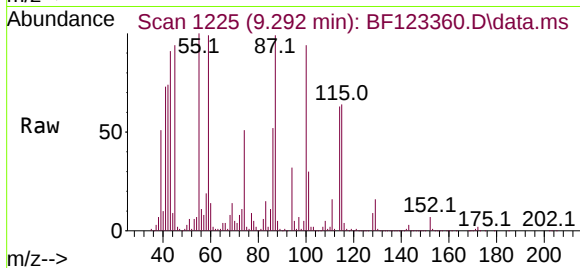
Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.5	116.3
141	29.0	23.8	35.8



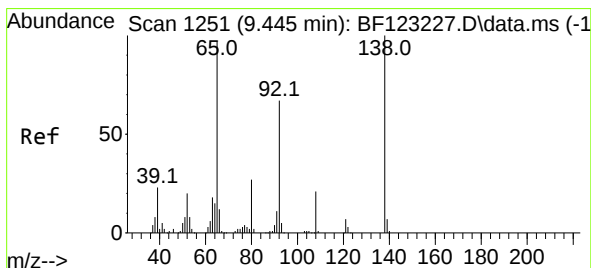
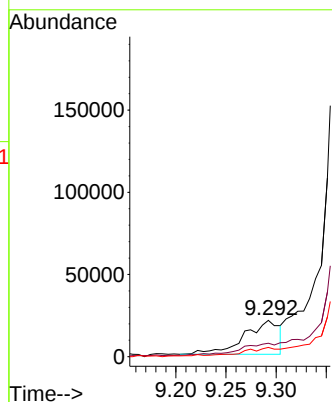
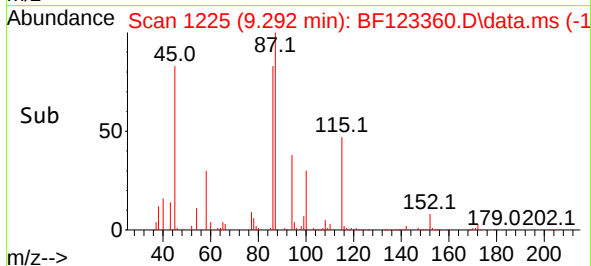


#45
2-Fluorobiphenyl
Concen: 2.88 ng
RT: 9.292 min Scan# 1225
Delta R.T. 0.082 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

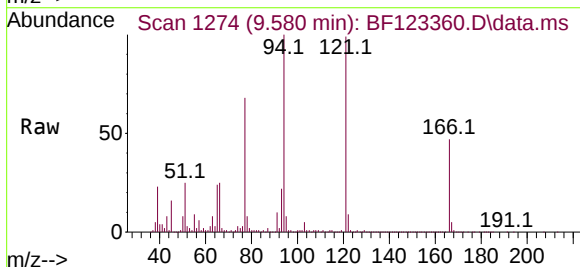
Instrument :
BNA_F
ClientSampleId :
MH-20A



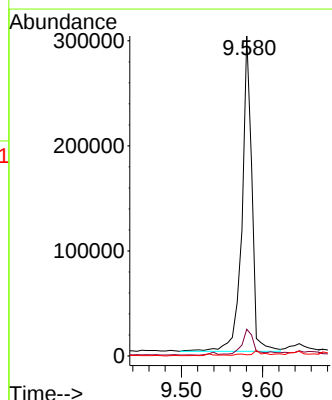
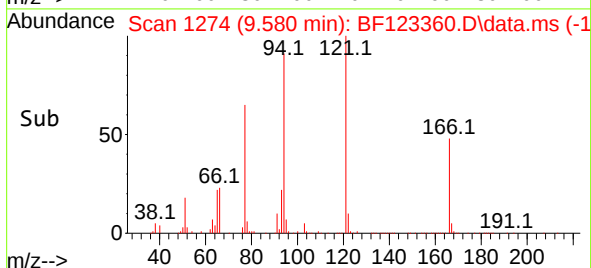
Tgt Ion:	172	Resp:	50339
Ion Ratio	Lower	Upper	
172	100		
171	37.1	29.6	44.4
170	25.6	19.5	29.3

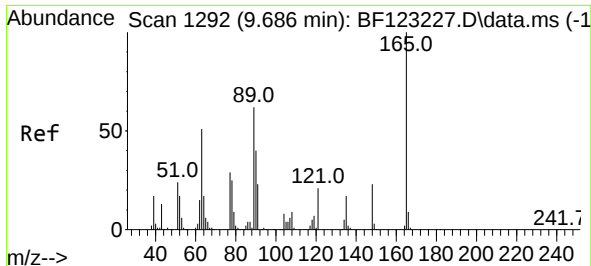


#48
2-Nitroaniline
Concen: 42.70 ng
RT: 9.580 min Scan# 1274
Delta R.T. 0.147 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34



Tgt Ion:	65	Resp:	251517
Ion Ratio	Lower	Upper	
65	100		
92	8.4	60.0	90.0#
138	0.4	100.6	151.0#

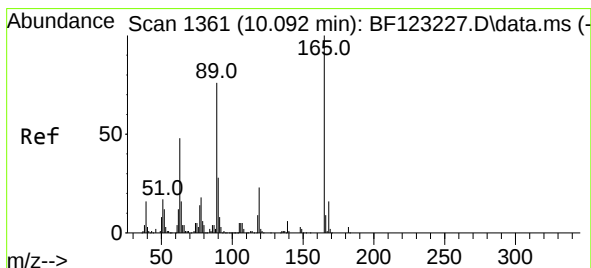
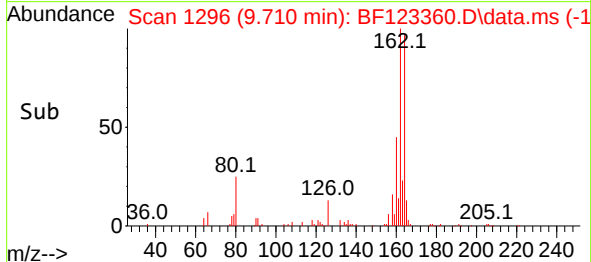
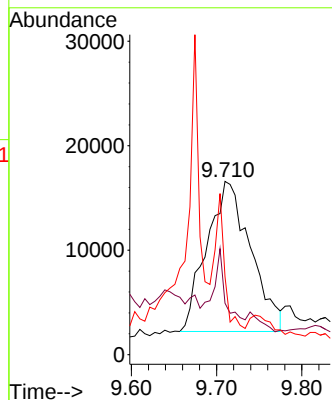
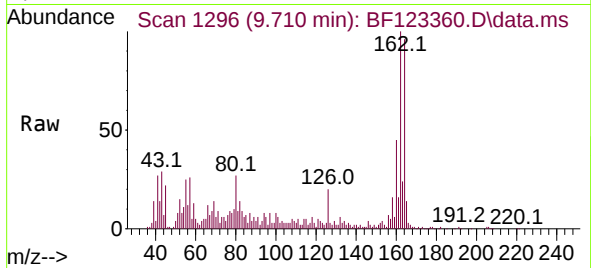




#51
2,6-Dinitrotoluene
Concen: 11.88 ng
RT: 9.710 min Scan# 1296
Delta R.T. 0.035 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

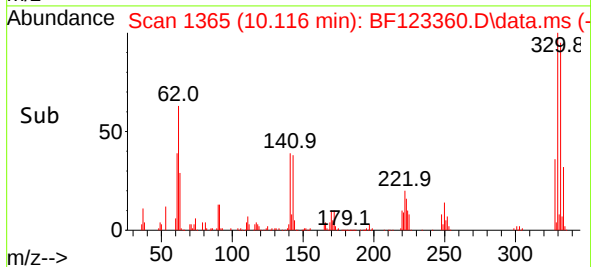
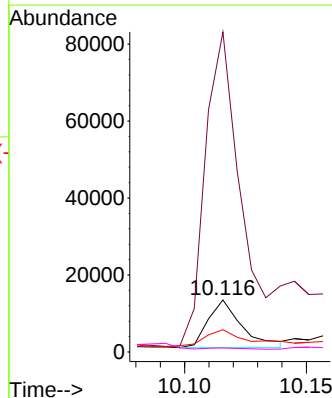
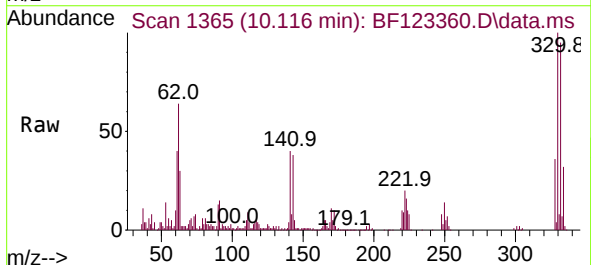
Instrument :
BNA_F
ClientSampleId :
MH-20A

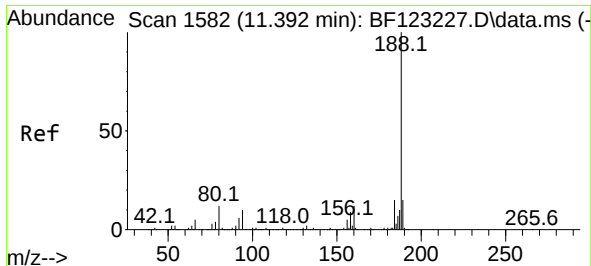
Tgt Ion:165 Resp: 51425
Ion Ratio Lower Upper
165 100
63 29.7 36.6 55.0#
89 45.1 39.4 59.0



#57
2,4-Dinitrotoluene
Concen: 2.07 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.035 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

Tgt Ion:165 Resp: 12024
Ion Ratio Lower Upper
165 100
63 615.1 34.3 51.5#
89 42.9 55.2 82.8#
182 7.6 2.2 3.2#

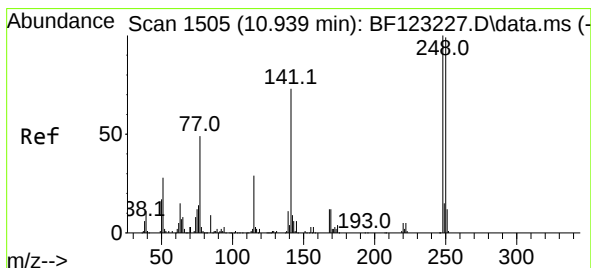
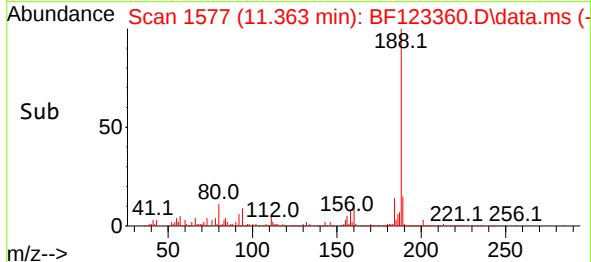
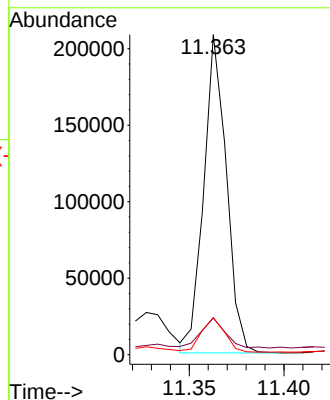
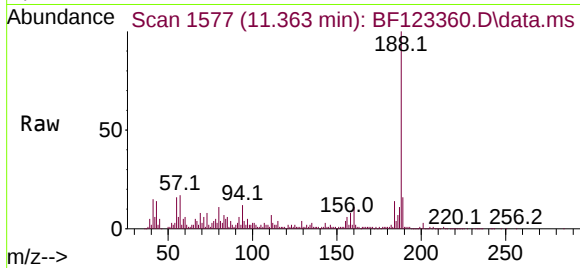




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.018 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

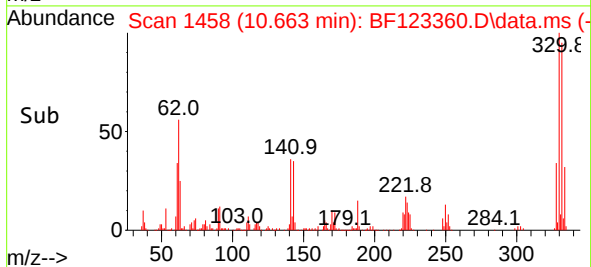
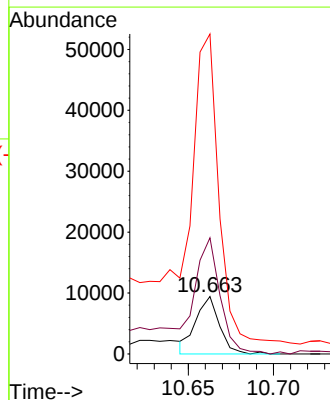
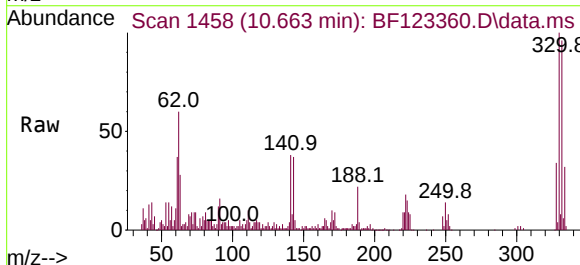
Instrument :
BNA_F
ClientSampleId :
MH-20A

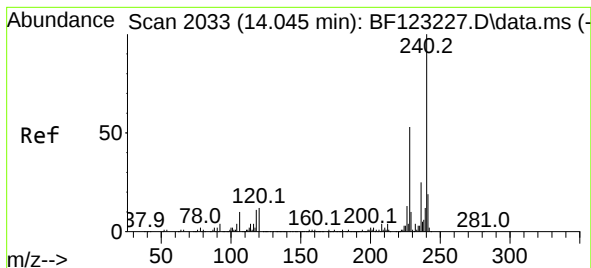
Tgt Ion:188 Resp: 173424
Ion Ratio Lower Upper
188 100
94 11.6 7.4 11.2#
80 11.4 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 4.84 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.259 min
Lab File: BF123360.D
Acq: 3 Mar 2021 17:34

Tgt Ion:248 Resp: 9151
Ion Ratio Lower Upper
248 100
250 202.4 76.8 115.2#
141 557.6 59.8 89.8#





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF123360.D

Acq: 3 Mar 2021 17:34

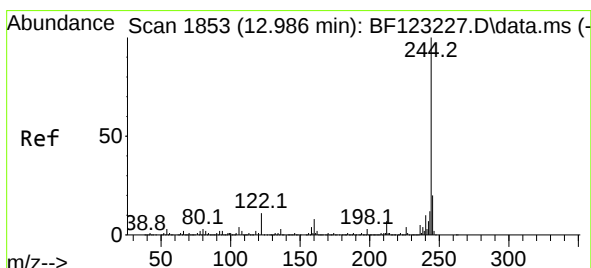
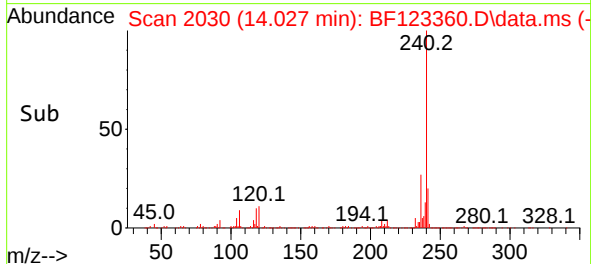
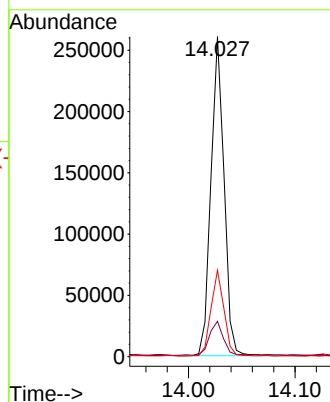
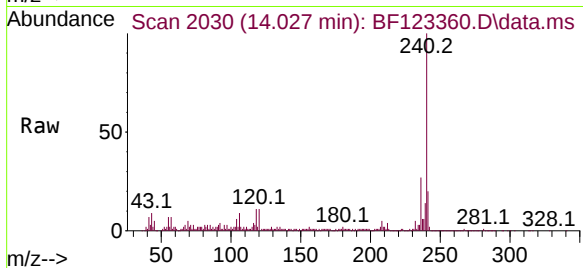
Tgt Ion:240 Resp: 223185

Ion Ratio Lower Upper

240 100

120 11.0 8.6 12.8

236 27.0 20.3 30.5



#79

Terphenyl-d14

Concen: 60.03 ng

RT: 12.968 min Scan# 1850

Delta R.T. -0.000 min

Lab File: BF123360.D

Acq: 3 Mar 2021 17:34

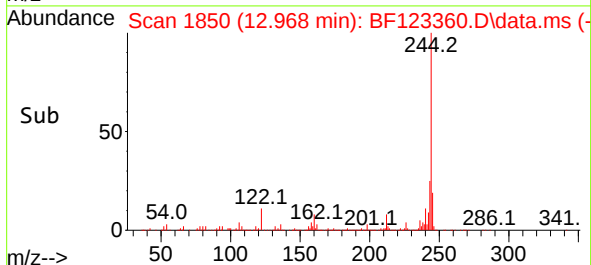
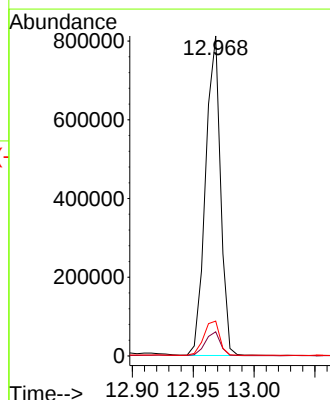
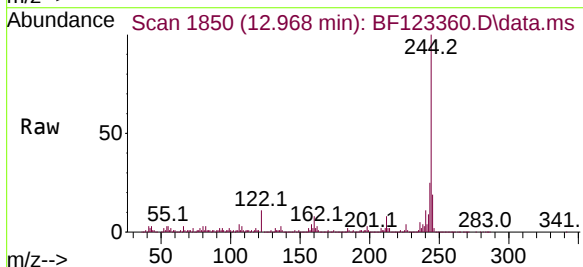
Tgt Ion:244 Resp: 696731

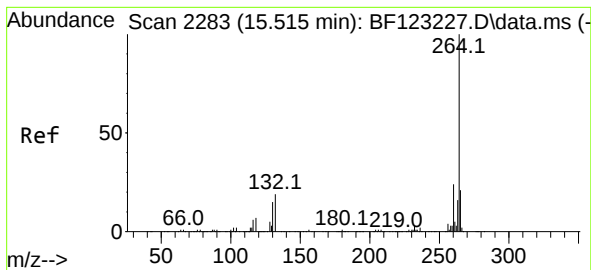
Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 10.9 8.3 12.5





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.504 min Scan# 2281
 Delta R.T. 0.006 min
 Lab File: BF123360.D
 Acq: 3 Mar 2021 17:34

Instrument :
 BNA_F
 ClientSampleId :
 MH-20A

Tgt Ion:264 Resp: 339342
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 20.2 17.0 25.6

