

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031523\
 Data File : BF132805.D
 Acq On : 15 Mar 2023 16:13
 Operator : CG\JU
 Sample : 01908-01MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314

Quant Time: Mar 16 05:45:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 15:35:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	211820	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	819227	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	439716	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	810726	20.000	ng	0.00
76) Chrysene-d12	14.157	240	411440	20.000	ng	# 0.00
86) Perylene-d12	15.686	264	420164	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	1298471	99.489	ng	0.01
7) Phenol-d6	6.604	99	1741329	102.231	ng	0.00
23) Nitrobenzene-d5	7.534	82	1137568	65.881	ng	0.00
42) 2,4,6-Tribromophenol	10.810	330	463917	97.693	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1766638	61.176	ng	0.00
79) Terphenyl-d14	13.092	244	1768460	72.672	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.887	88	283608	39.284	ng	95
3) Pyridine	3.652	79	724419	37.802	ng	93
4) n-Nitrosodimethylamine	3.622	42	282764	39.064	ng	82
6) Aniline	6.628	93	528780	23.068	ng	98
8) 2-Chlorophenol	6.757	128	637349	47.052	ng	93
9) Benzaldehyde	6.522	77	280772	30.548	ng	95
10) Phenol	6.616	94	798731	40.901	ng	96
11) bis(2-Chloroethyl)ether	6.699	93	665419	44.140	ng	94
12) 1,3-Dichlorobenzene	6.904	146	656850	45.187	ng	98
13) 1,4-Dichlorobenzene	6.987	146	653538	45.026	ng	98
14) 1,2-Dichlorobenzene	7.134	146	627567	45.052	ng	99
15) Benzyl Alcohol	7.110	79	564725	43.049	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.240	45	764979	39.793	ng	95
17) 2-Methylphenol	7.222	107	517339	40.923	ng	98
18) Hexachloroethane	7.475	117	254922	44.955	ng	99
19) n-Nitroso-di-n-propyla...	7.381	70	386094	36.831	ng	93
20) 3+4-Methylphenols	7.375	107	590162	36.134	ng	92
22) Acetophenone	7.375	105	772379	37.390	ng	# 92
24) Nitrobenzene	7.551	77	697898	37.792	ng	98
25) Isophorone	7.787	82	1292471	39.042	ng	99
26) 2-Nitrophenol	7.869	139	347790	42.684	ng	93
27) 2,4-Dimethylphenol	7.904	122	537343	41.785	ng	96
28) bis(2-Chloroethoxy)met...	7.993	93	795815	41.093	ng	100
29) 2,4-Dichlorophenol	8.110	162	528536	41.317	ng	99
30) 1,2,4-Trichlorobenzene	8.193	180	578807	41.669	ng	98
31) Naphthalene	8.275	128	1637900	39.054	ng	100
32) Benzoic acid	8.040	122	296521	30.758	ng	98
33) 4-Chloroaniline	8.322	127	137448	7.648	ng	# 93
34) Hexachlorobutadiene	8.381	225	360478	40.839	ng	99
35) Caprolactam	8.740	113	52491	12.447	ng	96
36) 4-Chloro-3-methylphenol	8.810	107	563053	40.079	ng	94
37) 2-Methylnaphthalene	8.963	142	1095194	38.319	ng	99
38) 1-Methylnaphthalene	9.063	142	1013261	37.935	ng	99
40) 1,2,4,5-Tetrachloroben...	9.134	216	585126	40.672	ng	100
41) Hexachlorocyclopentadiene	9.116	237	578287	74.110	ng	99
43) 2,4,6-Trichlorophenol	9.245	196	388755	39.874	ng	99

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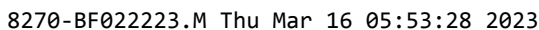
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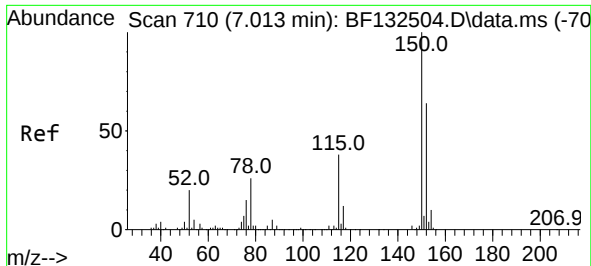
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.292	196	416740	36.623	ng	99
46) 1,1'-Biphenyl	9.428	154	1309777	39.355	ng	99
47) 2-Chloronaphthalene	9.457	162	1061919	40.244	ng	99
48) 2-Nitroaniline	9.557	65	345319	35.533	ng	87
49) Acenaphthylene	9.875	152	1605880	38.239	ng	100
50) Dimethylphthalate	9.728	163	1277701	39.907	ng	100
51) 2,6-Dinitrotoluene	9.798	165	293571	40.262	ng	# 84
52) Acenaphthene	10.045	154	937902	35.171	ng	100
53) 3-Nitroaniline	9.963	138	148544	18.212	ng	98
54) 2,4-Dinitrophenol	10.081	184	310765	67.919	ng	95
55) Dibenzofuran	10.216	168	1464319	37.667	ng	100
56) 4-Nitrophenol	10.139	139	391268	64.324	ng	91
57) 2,4-Dinitrotoluene	10.204	165	374882	38.646	ng	96
58) Fluorene	10.563	166	1142593	38.424	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.339	232	341137	40.357	ng	96
60) Diethylphthalate	10.428	149	1178025	37.674	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	598278	38.783	ng	98
62) 4-Nitroaniline	10.586	138	290911	36.334	ng	92
63) Azobenzene	10.710	77	1282445	38.726	ng	99
65) 4,6-Dinitro-2-methylph...	10.616	198	222861	40.607	ng	98
66) n-Nitrosodiphenylamine	10.669	169	998728	39.515	ng	99
67) 4-Bromophenyl-phenylether	11.039	248	373621	40.741	ng	99
68) Hexachlorobenzene	11.110	284	423840	43.923	ng	# 94
69) Atrazine	11.198	200	345380	43.771	ng	99
70) Pentachlorophenol	11.310	266	371473	64.703	ng	99
71) Phenanthrene	11.534	178	1633783	38.900	ng	99
72) Anthracene	11.581	178	1678378	38.806	ng	99
73) Carbazole	11.739	167	1486258	38.115	ng	99
74) Di-n-butylphthalate	12.051	149	1770876	38.715	ng	100
75) Fluoranthene	12.728	202	1686487	36.731	ng	98
77) Benzidine	12.845	184	418515	41.786	ng	98
78) Pyrene	12.957	202	1702965	45.525	ng	100
80) Butylbenzylphthalate	13.563	149	606525	41.088	ng	93
81) Benzo(a)anthracene	14.151	228	1254311	40.744	ng	98
82) 3,3'-Dichlorobenzidine	14.104	252	137152	15.112	ng	100
83) Chrysene	14.186	228	1153969	40.086	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	657243	36.244	ng	99
85) Di-n-octyl phthalate	14.733	149	1060381	40.016	ng	97
87) Indeno(1,2,3-cd)pyrene	17.274	276	1294758	47.029	ng	100
88) Benzo(b)fluoranthene	15.233	252	1202473	42.706	ng	98
89) Benzo(k)fluoranthene	15.263	252	1028273	37.314	ng	99
90) Benzo(a)pyrene	15.627	252	1026289	38.944	ng	98
91) Dibenzo(a,h)anthracene	17.286	278	1037290	46.243	ng	99
92) Benzo(g,h,i)perylene	17.751	276	1119856	44.304	ng	99

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

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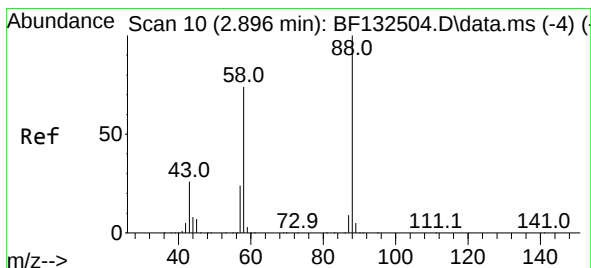
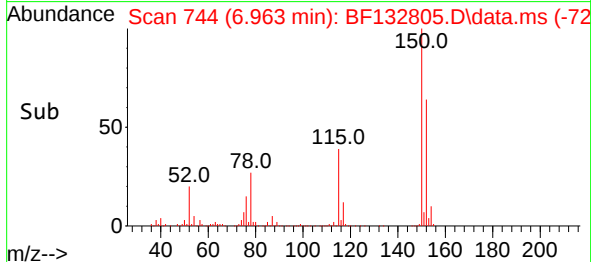
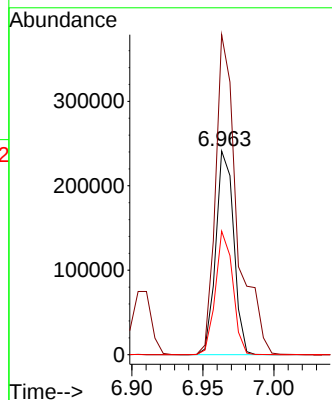
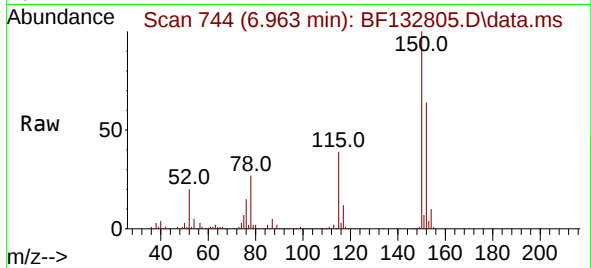




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

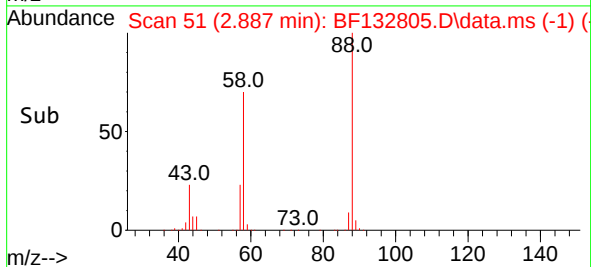
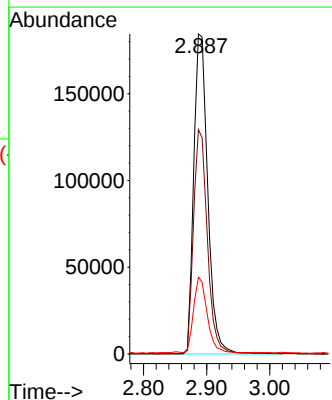
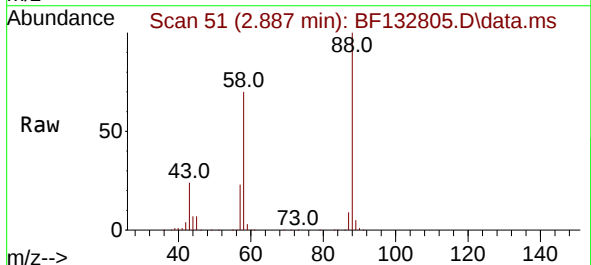
Instrument :
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ClientSampleId :
HILLBOR-DRUMS-0314

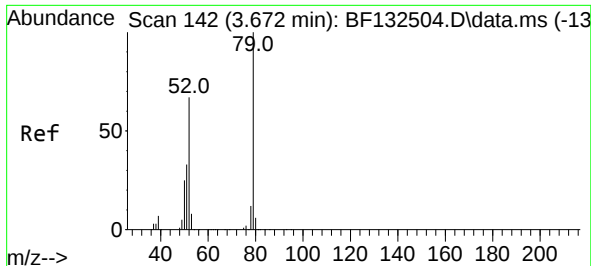
Tgt Ion:152 Resp: 211820
Ion Ratio Lower Upper
152 100
150 157.1 125.4 188.2
115 60.6 47.8 71.6



#2
1,4-Dioxane
Concen: 39.284 ng
RT: 2.887 min Scan# 51
Delta R.T. 0.077 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion: 88 Resp: 283608
Ion Ratio Lower Upper
88 100
58 69.2 58.3 87.5
43 23.3 20.7 31.1





#3

Pyridine

Concen: 37.802 ng

RT: 3.652 min Scan# 11

Delta R.T. 0.059 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

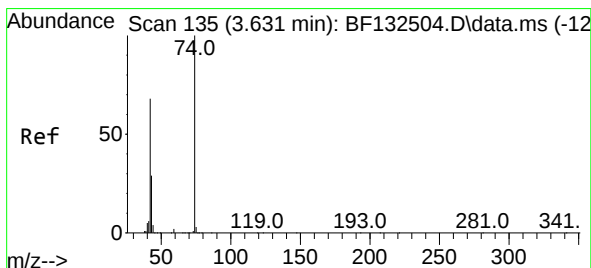
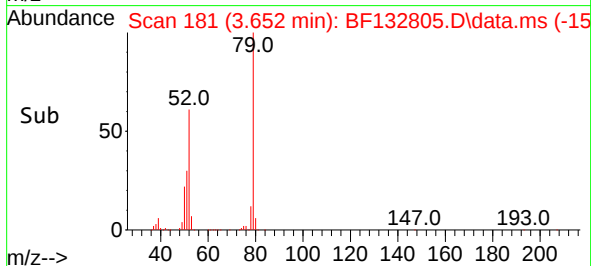
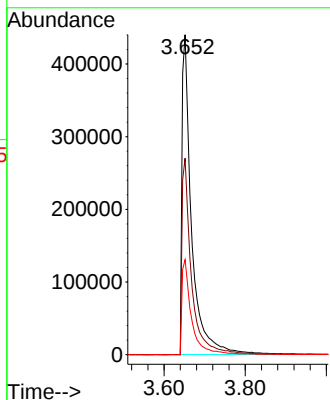
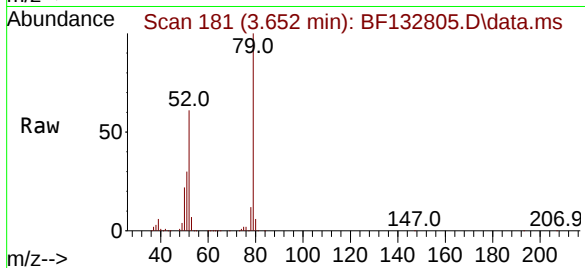
Tgt Ion: 79 Resp: 724419

Ion Ratio Lower Upper

79 100

52 61.4 53.7 80.5

51 29.7 26.6 40.0



#4

n-Nitrosodimethylamine

Concen: 39.064 ng

RT: 3.622 min Scan# 176

Delta R.T. 0.065 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

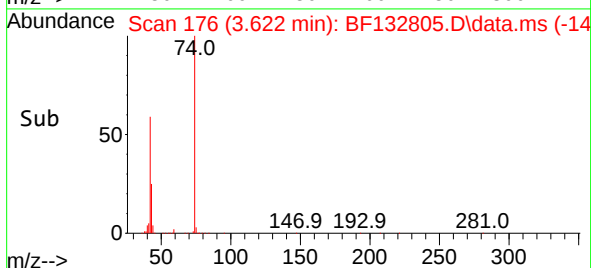
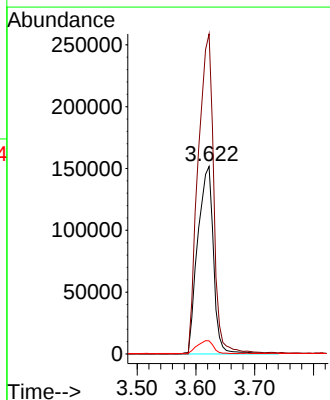
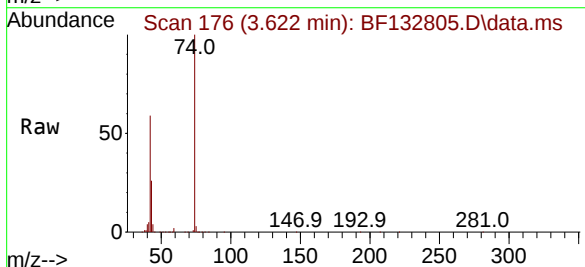
Tgt Ion: 42 Resp: 282764

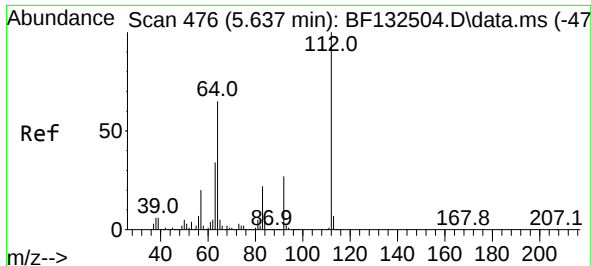
Ion Ratio Lower Upper

42 100

74 170.6 118.2 177.2

44 7.0 5.3 7.9

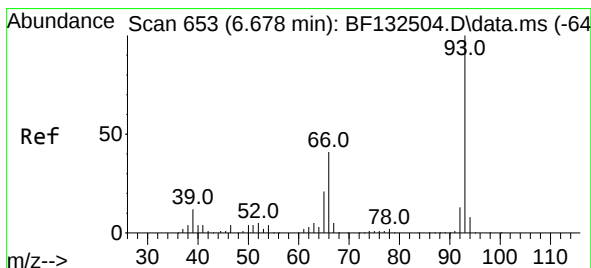
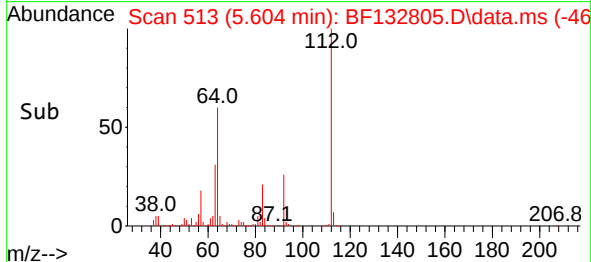
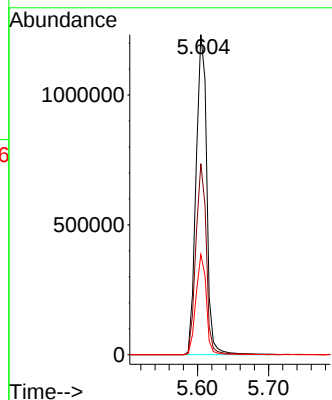
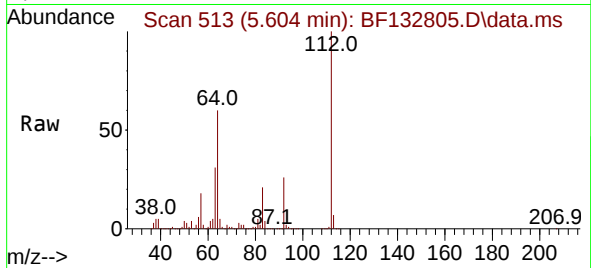




#5
2-Fluorophenol
Concen: 99.489 ng
RT: 5.604 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

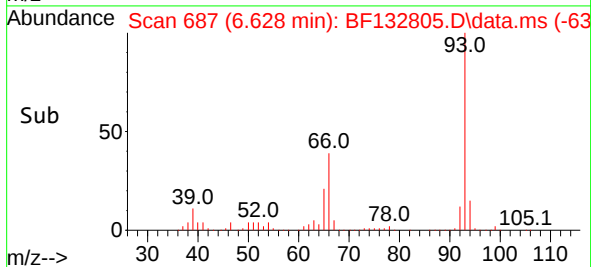
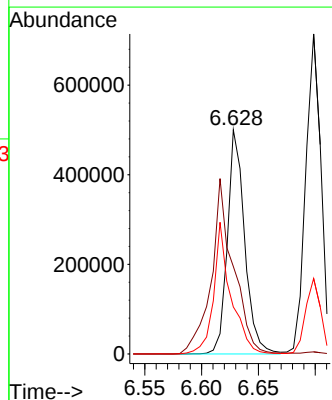
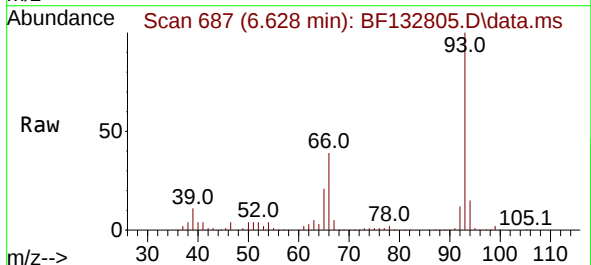
Instrument :
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ClientSampleId :
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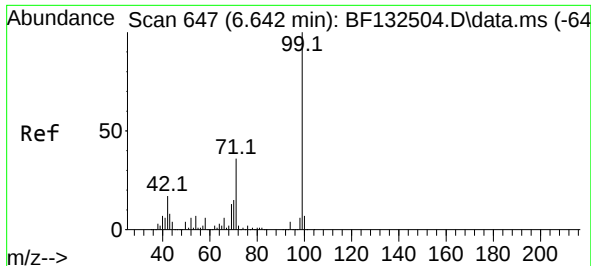
Tgt Ion:112 Resp: 1298471
Ion Ratio Lower Upper
112 100
64 59.7 51.6 77.4
63 31.3 27.4 41.2



#6
Aniline
Concen: 23.068 ng
RT: 6.628 min Scan# 687
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion: 93 Resp: 528780
Ion Ratio Lower Upper
93 100
66 39.1 32.5 48.7
65 21.0 16.6 24.8



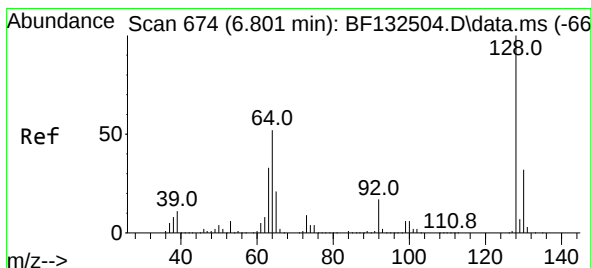
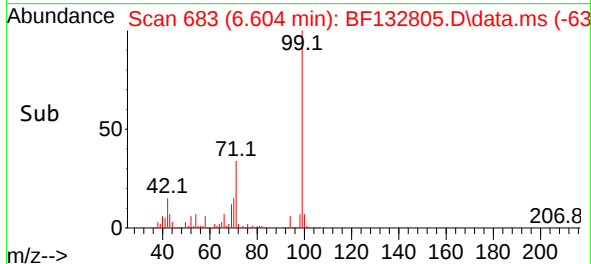
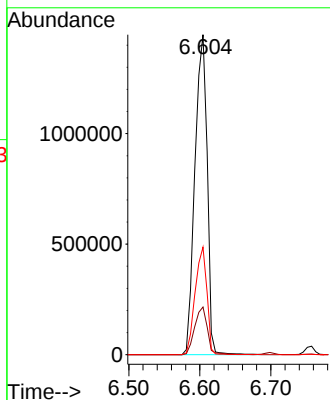
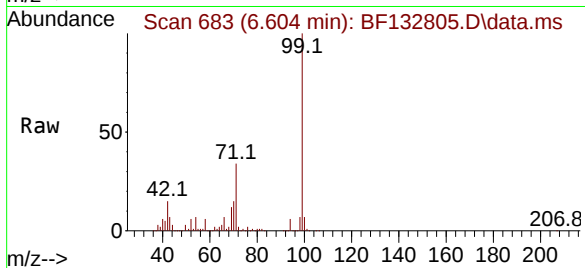


#7
Phenol-d6
Concen: 102.231 ng
RT: 6.604 min Scan# 61
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion: 99 Resp: 1741329

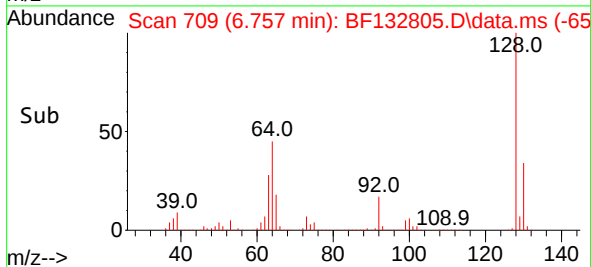
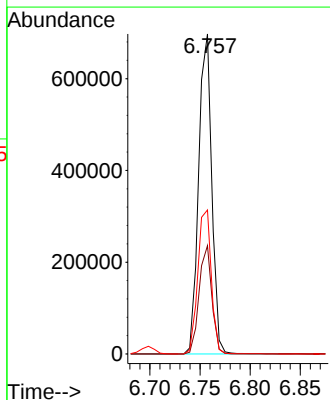
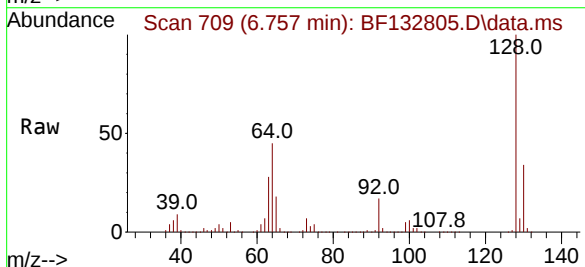
Ion	Ratio	Lower	Upper
99	100		
42	14.9	13.9	20.9
71	33.6	28.5	42.7

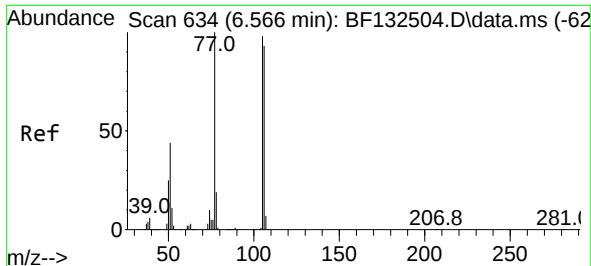


#8
2-Chlorophenol
Concen: 47.052 ng
RT: 6.757 min Scan# 709
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:128 Resp: 637349

Ion	Ratio	Lower	Upper
128	100		
130	33.8	12.1	52.1
64	45.0	32.0	72.0

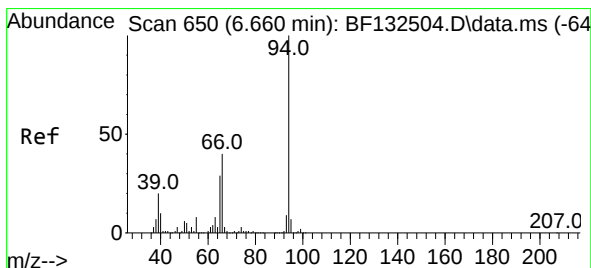
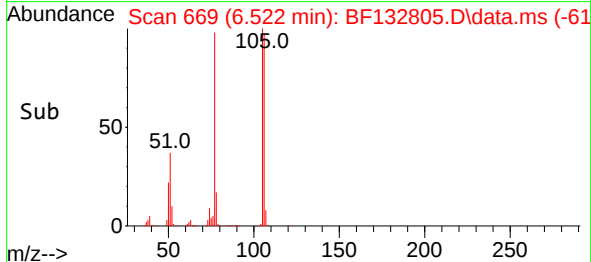
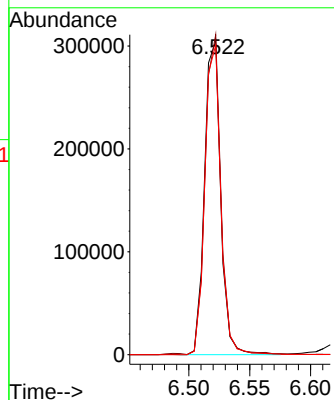
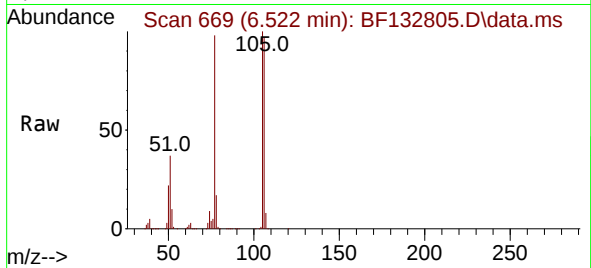




#9
Benzaldehyde
Concen: 30.548 ng
RT: 6.522 min Scan# 61
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

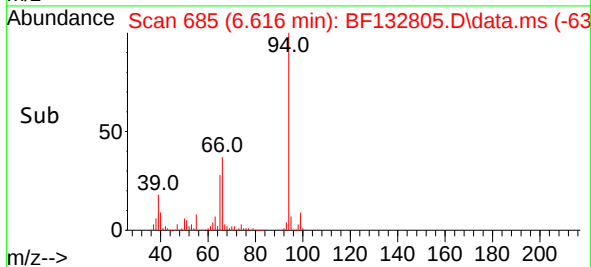
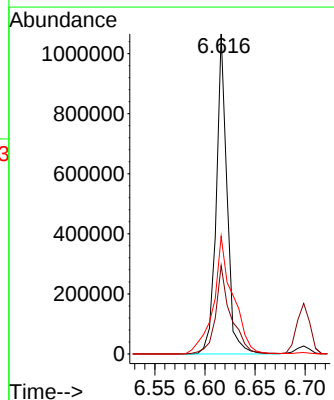
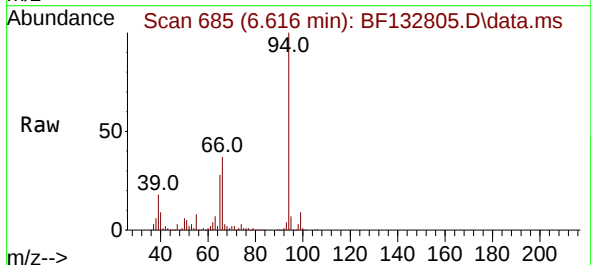
Instrument :
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ClientSampleId :
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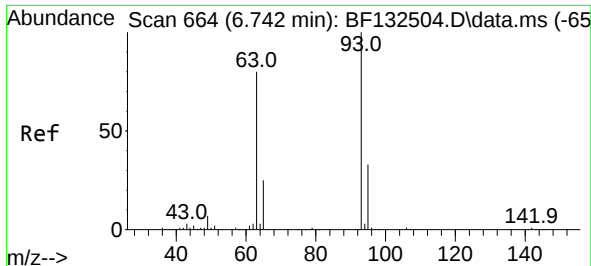
Tgt Ion: 77 Resp: 280772
Ion Ratio Lower Upper
77 100
105 102.1 77.9 117.9
106 98.8 73.4 113.4



#10
Phenol
Concen: 40.901 ng
RT: 6.616 min Scan# 685
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion: 94 Resp: 798731
Ion Ratio Lower Upper
94 100
65 27.6 9.4 49.4
66 36.7 19.8 59.8

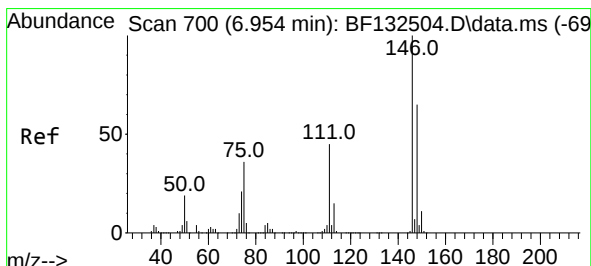
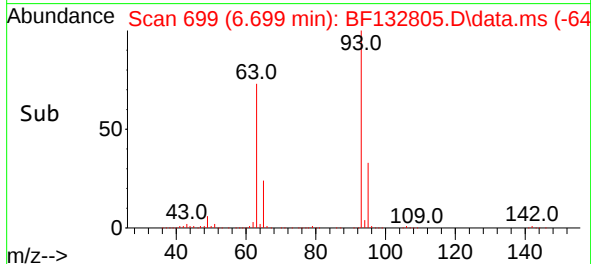
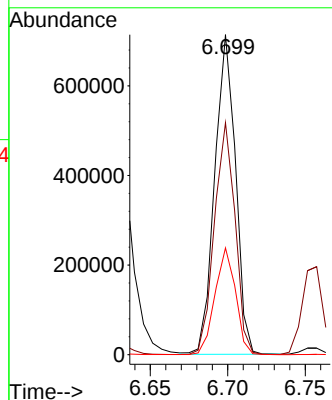
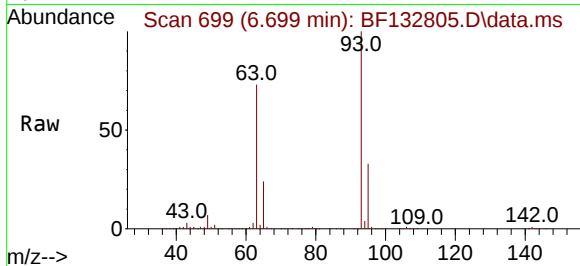




#11
bis(2-Chloroethyl)ether
Concen: 44.140 ng
RT: 6.699 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

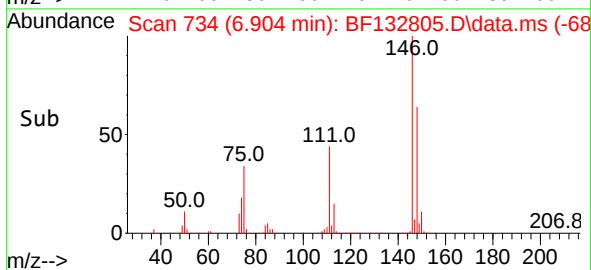
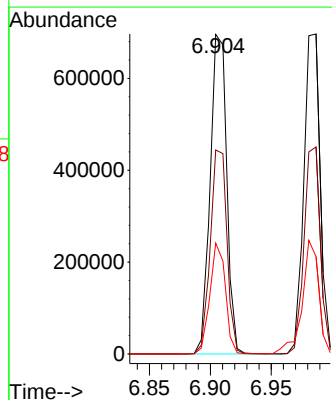
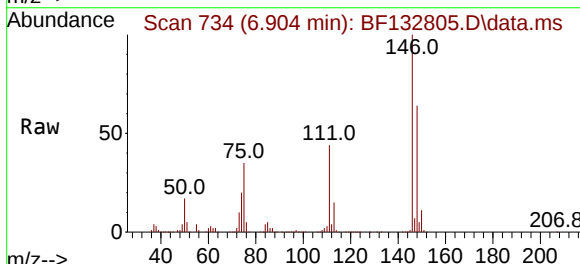
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

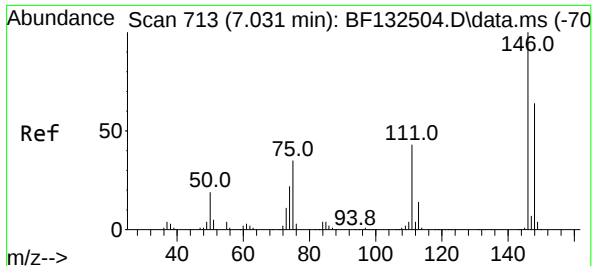
Tgt Ion: 93 Resp: 665419
Ion Ratio Lower Upper
93 100
63 72.5 59.6 99.6
95 33.4 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 45.187 ng
RT: 6.904 min Scan# 734
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:146 Resp: 656850
Ion Ratio Lower Upper
146 100
148 63.8 51.9 77.9
75 34.7 28.9 43.3

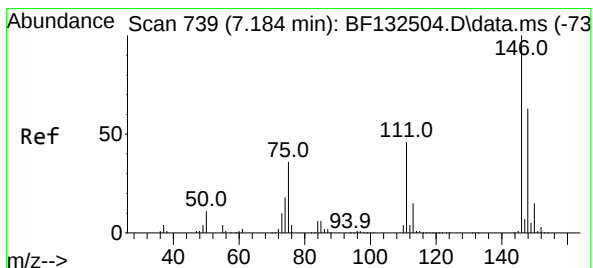
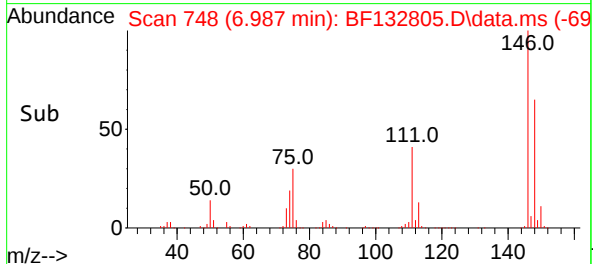
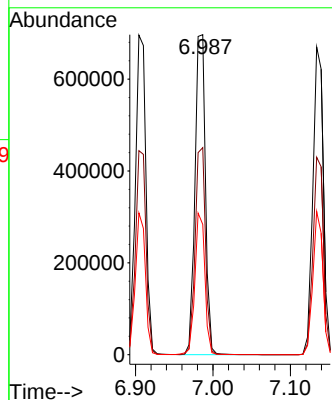
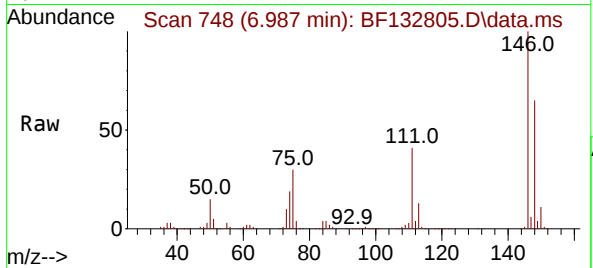




#13
1,4-Dichlorobenzene
Concen: 45.026 ng
RT: 6.987 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

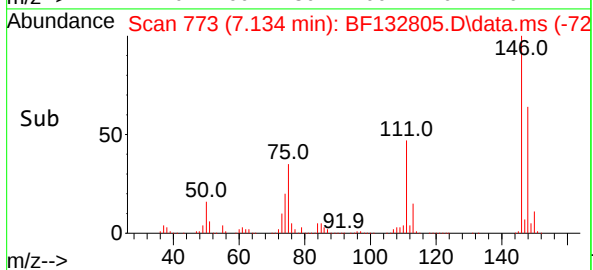
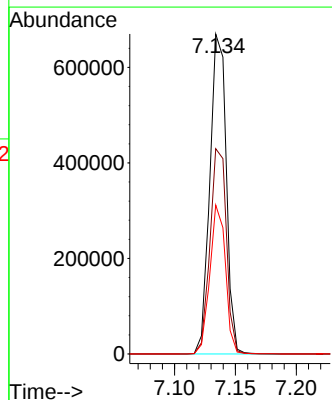
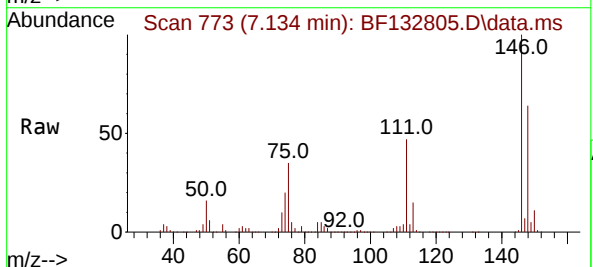
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

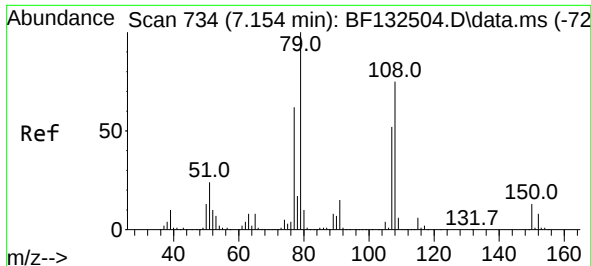
Tgt Ion:146 Resp: 653538
Ion Ratio Lower Upper
146 100
148 64.7 51.1 76.7
111 40.7 34.8 52.2



#14
1,2-Dichlorobenzene
Concen: 45.052 ng
RT: 7.134 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:146 Resp: 627567
Ion Ratio Lower Upper
146 100
148 64.2 50.6 75.8
111 46.5 37.2 55.8

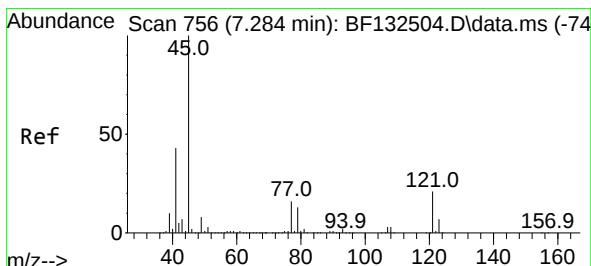
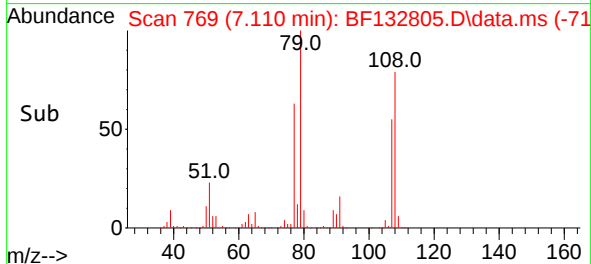
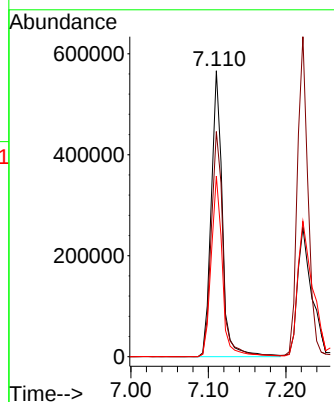
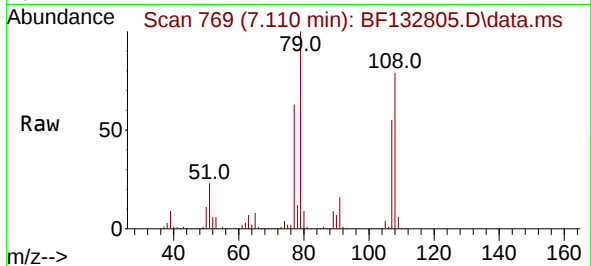




#15
Benzyl Alcohol
Concen: 43.049 ng
RT: 7.110 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

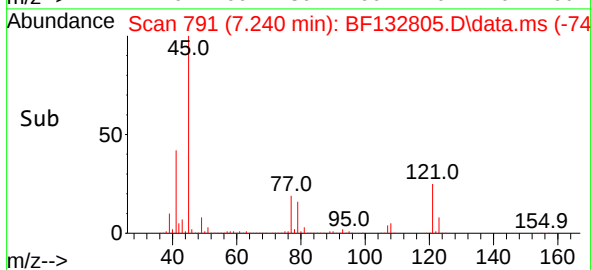
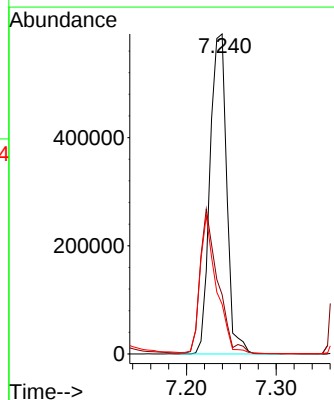
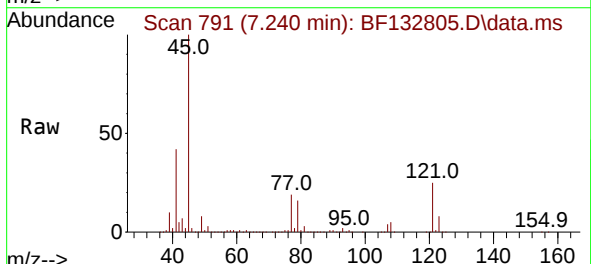
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

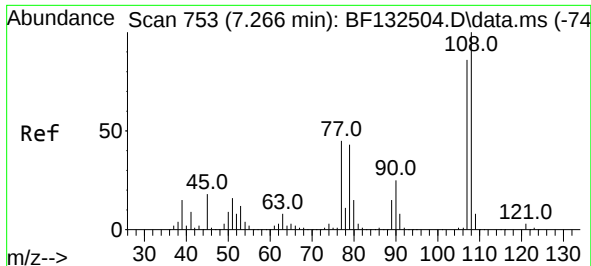
Tgt Ion: 79 Resp: 564725
Ion Ratio Lower Upper
79 100
108 78.7 60.2 90.4
77 63.2 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.793 ng
RT: 7.240 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion: 45 Resp: 764979
Ion Ratio Lower Upper
45 100
77 18.6 0.0 36.4
79 15.6 0.0 33.4

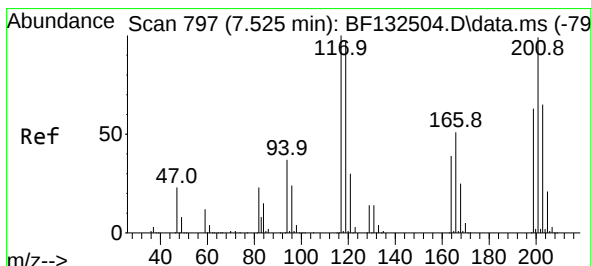
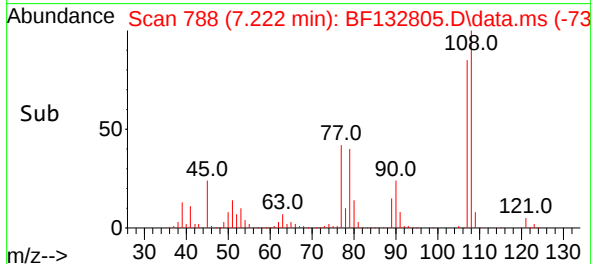
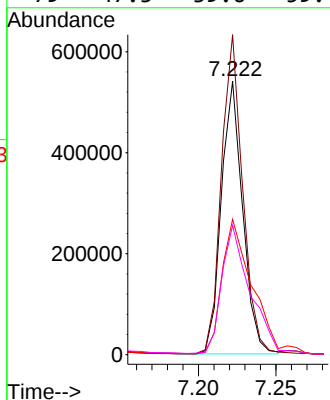
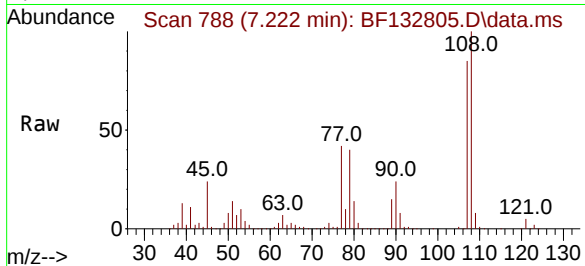




#17
2-Methylphenol
Concen: 40.923 ng
RT: 7.222 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

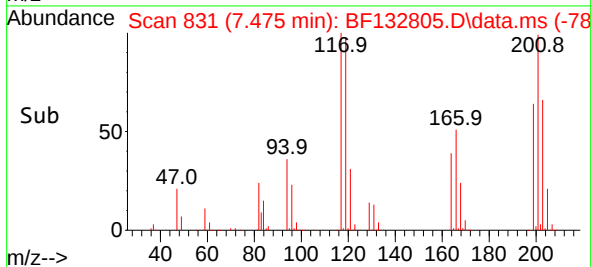
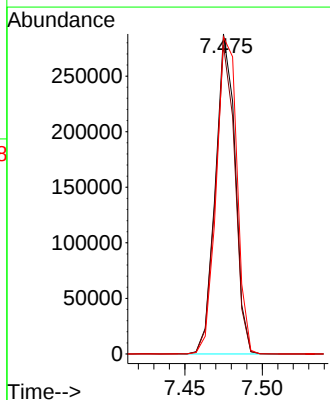
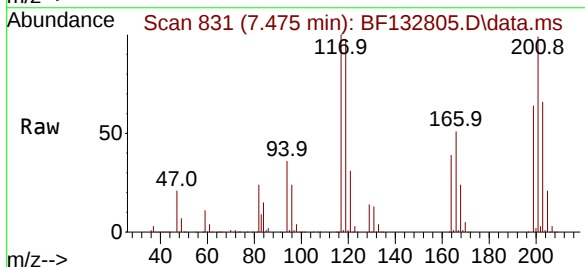
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

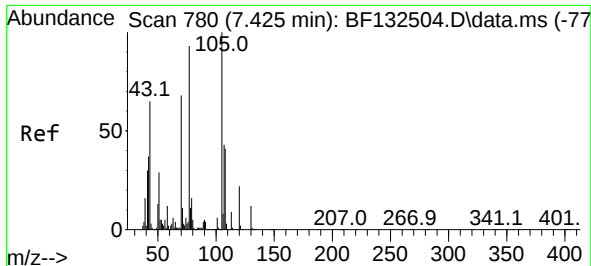
Tgt Ion:107 Resp: 517339
Ion Ratio Lower Upper
107 100
108 117.1 93.0 139.4
77 49.5 42.1 63.1
79 47.3 39.6 59.4



#18
Hexachloroethane
Concen: 44.955 ng
RT: 7.475 min Scan# 831
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:117 Resp: 254922
Ion Ratio Lower Upper
117 100
119 96.5 78.0 117.0
201 99.0 79.0 118.4

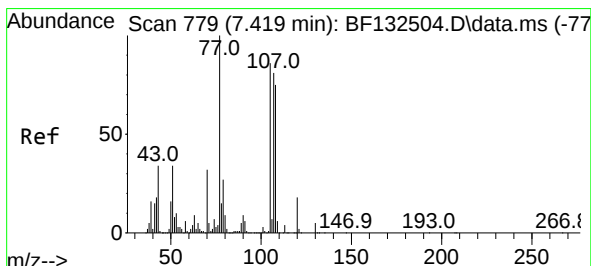
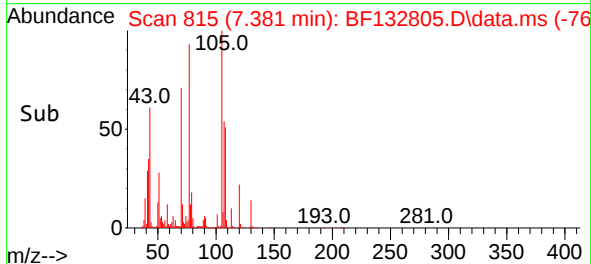
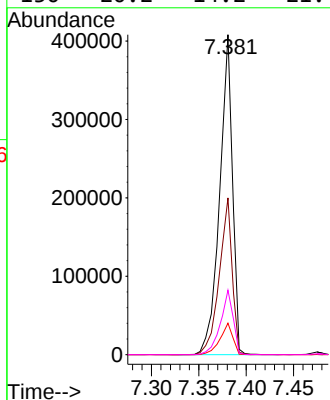
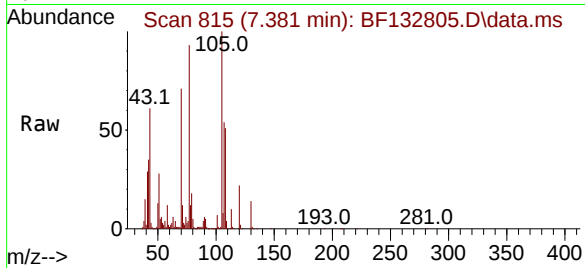




#19
n-Nitroso-di-n-propylamine
Concen: 36.831 ng
RT: 7.381 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

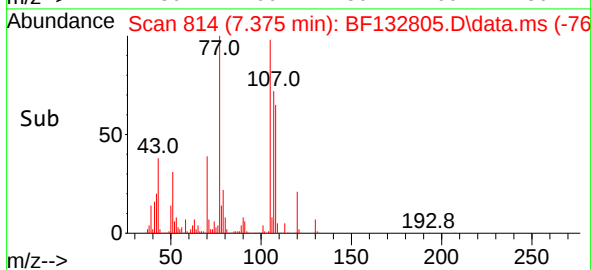
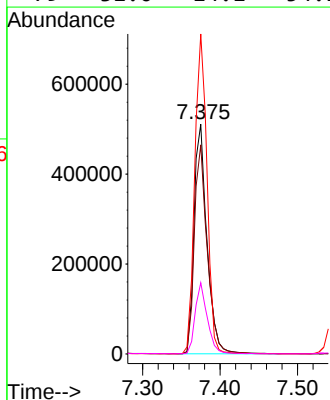
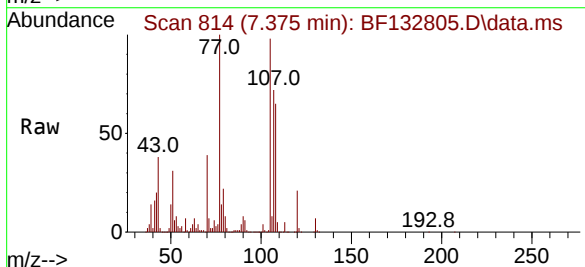
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

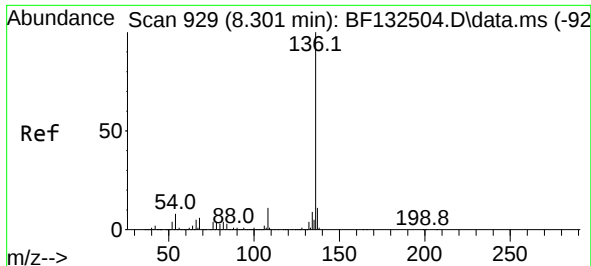
Tgt Ion:	70	Resp:	386094
Ion	Ratio	Lower	Upper
70	100		
42	49.0	44.1	66.1
101	9.9	7.4	11.2
130	20.2	14.2	21.4



#20
3+4-Methylphenols
Concen: 36.134 ng
RT: 7.375 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:	107	Resp:	590162
Ion	Ratio	Lower	Upper
107	100		
108	91.0	72.6	112.6
77	139.3	104.0	144.0
79	31.0	14.1	54.1



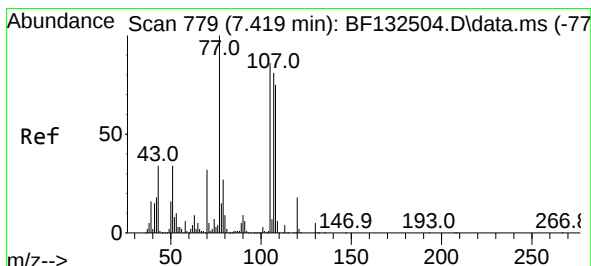
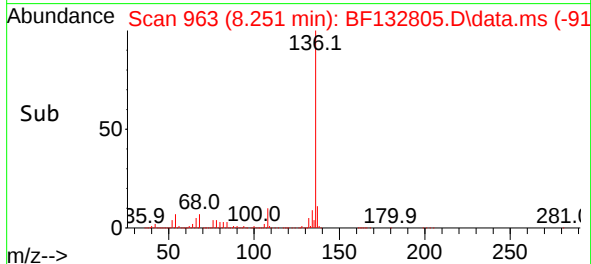
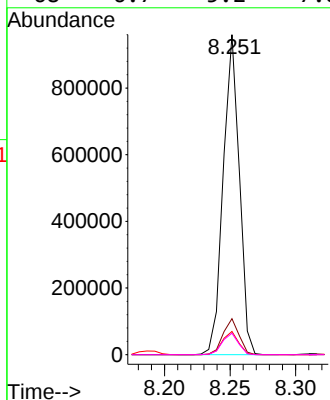
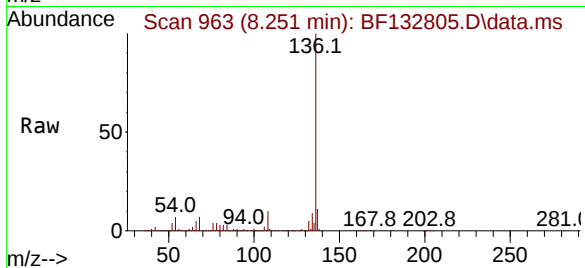


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

Tgt Ion:136 Resp: 819227

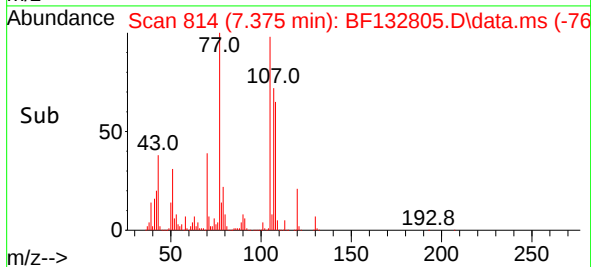
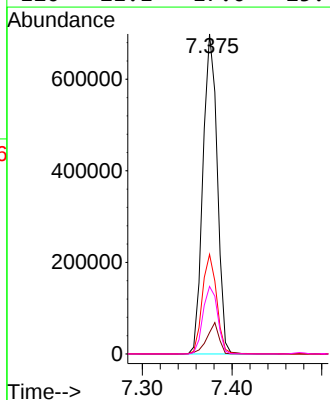
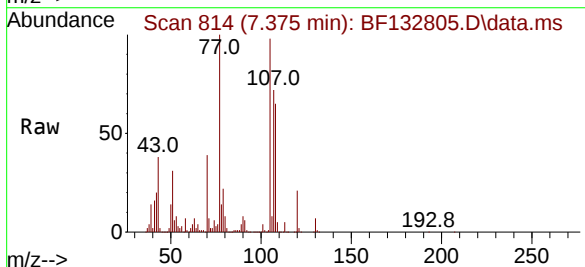
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.3	6.2	9.4
68	6.7	5.2	7.8

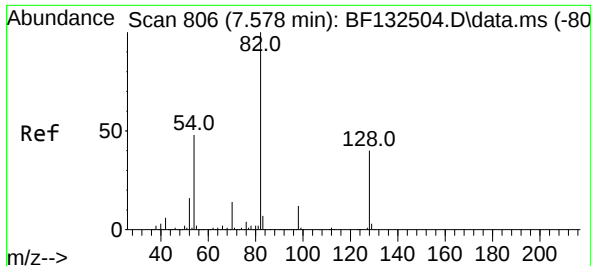


#22
Acetophenone
Concen: 37.390 ng
RT: 7.375 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:105 Resp: 772379

Ion	Ratio	Lower	Upper
105	100		
71	6.7	5.0	7.4
51	31.1	31.5	47.3#
120	21.1	17.0	25.4





#23

Nitrobenzene-d5

Concen: 65.881 ng

RT: 7.534 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

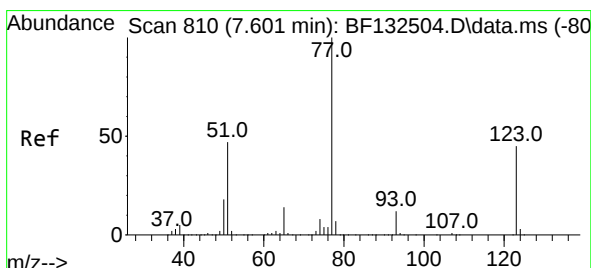
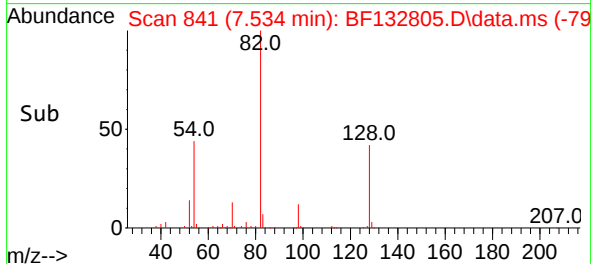
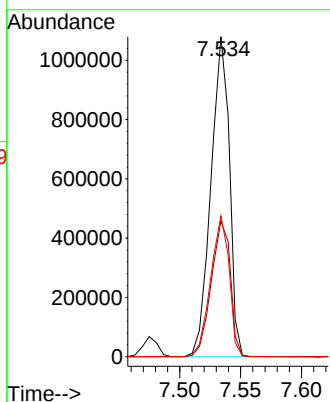
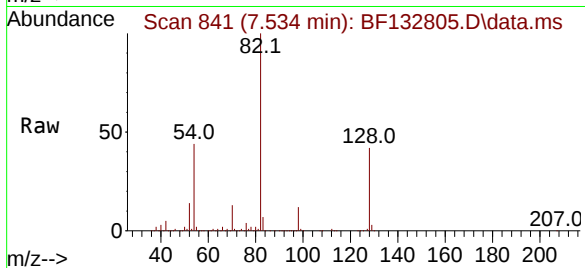
Tgt Ion: 82 Resp: 1137568

Ion Ratio Lower Upper

82 100

128 42.4 32.2 48.2

54 44.0 38.4 57.6



#24

Nitrobenzene

Concen: 37.792 ng

RT: 7.551 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

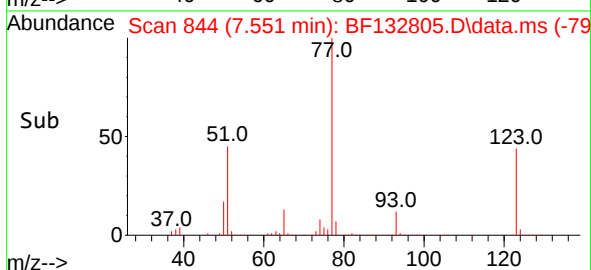
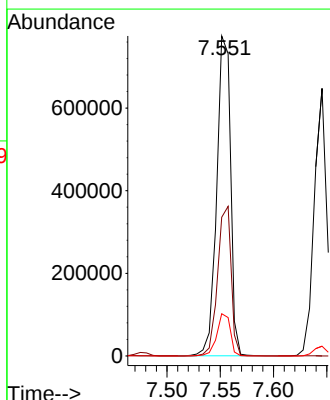
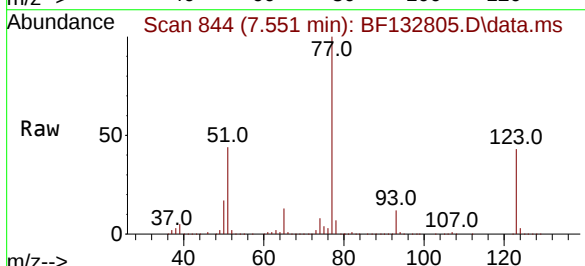
Tgt Ion: 77 Resp: 697898

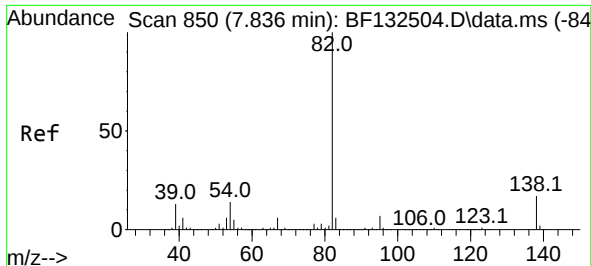
Ion Ratio Lower Upper

77 100

123 43.4 35.8 53.6

65 13.2 10.9 16.3

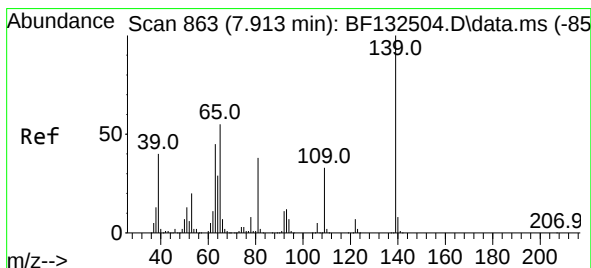
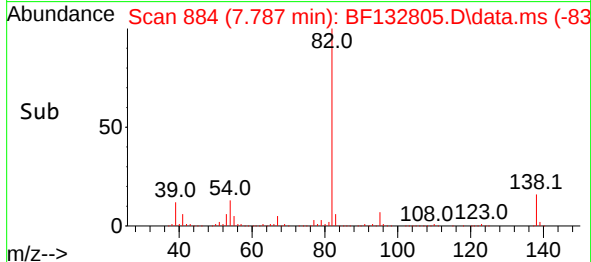
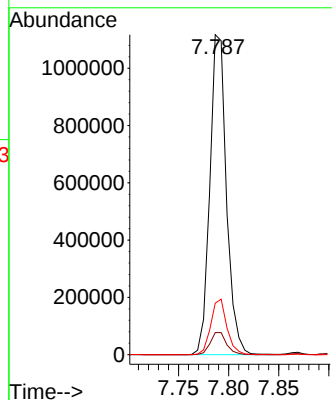
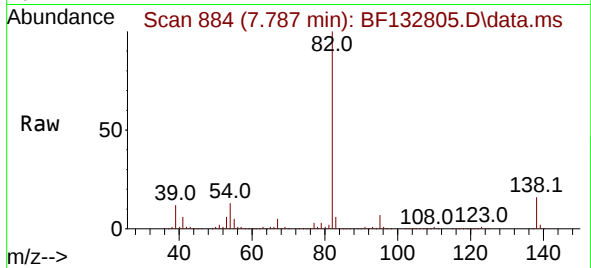




#25
Isophorone
Concen: 39.042 ng
RT: 7.787 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

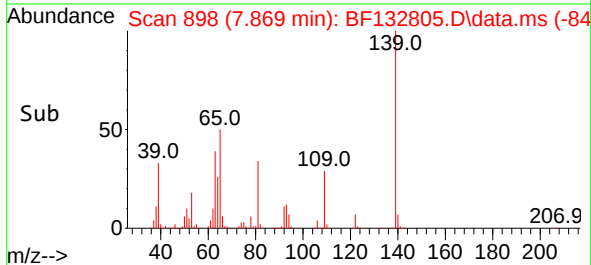
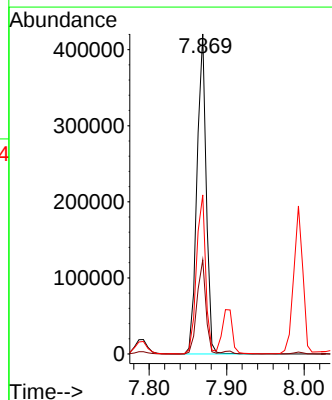
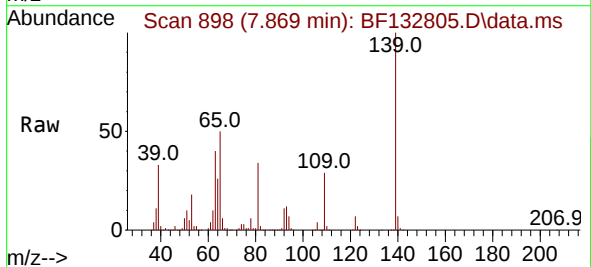
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

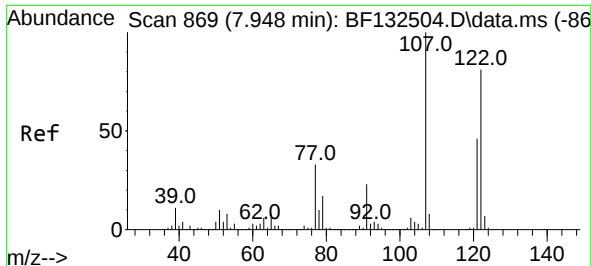
Tgt Ion: 82 Resp: 1292471
Ion Ratio Lower Upper
82 100
95 6.9 5.7 8.5
138 16.1 13.3 19.9



#26
2-Nitrophenol
Concen: 42.684 ng
RT: 7.869 min Scan# 898
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion: 139 Resp: 347790
Ion Ratio Lower Upper
139 100
109 29.4 26.2 39.2
65 49.7 43.8 65.8

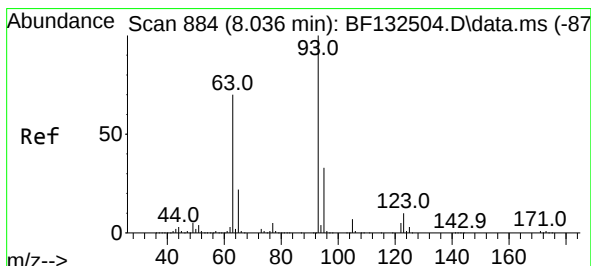
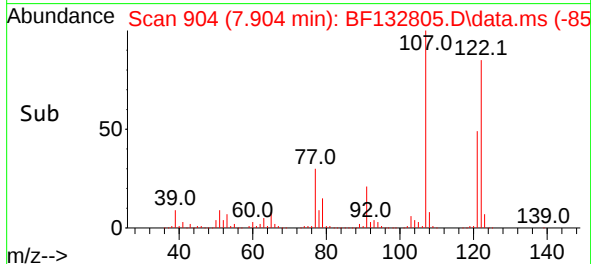
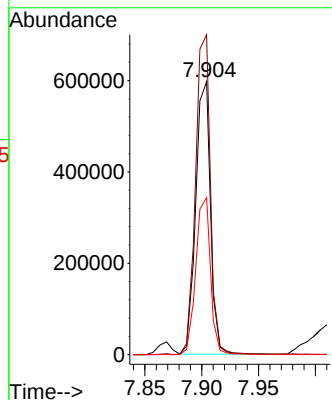
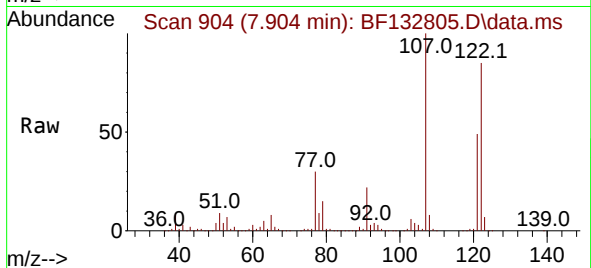




#27
2,4-Dimethylphenol
Concen: 41.785 ng
RT: 7.904 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

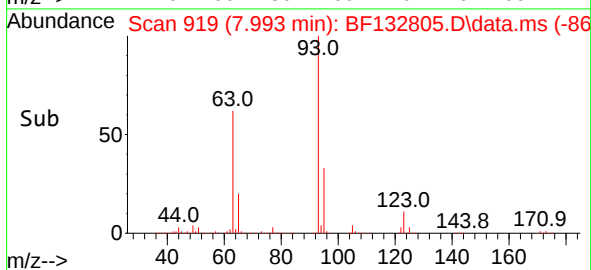
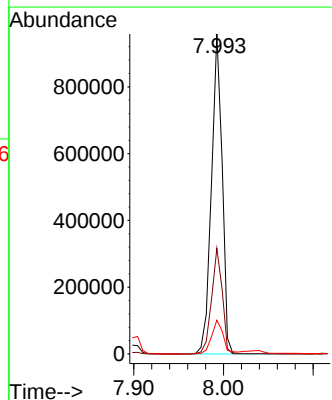
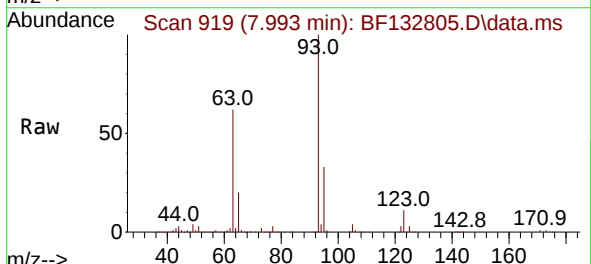
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

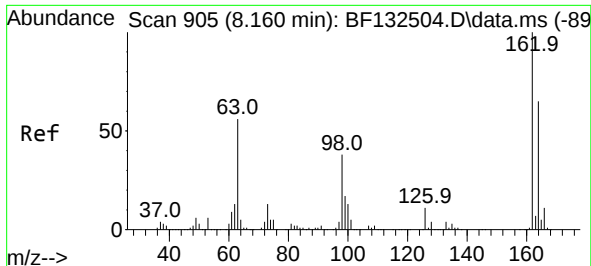
Tgt Ion:122 Resp: 537343
Ion Ratio Lower Upper
122 100
107 117.2 98.7 148.1
121 57.6 45.8 68.6



#28
bis(2-Chloroethoxy)methane
Concen: 41.093 ng
RT: 7.993 min Scan# 919
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion: 93 Resp: 795815
Ion Ratio Lower Upper
93 100
95 33.0 26.3 39.5
123 10.6 8.3 12.5





#29

2,4-Dichlorophenol

Concen: 41.317 ng

RT: 8.110 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

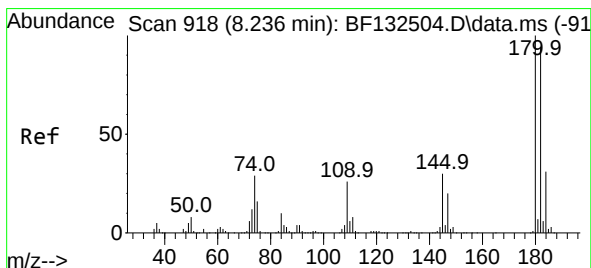
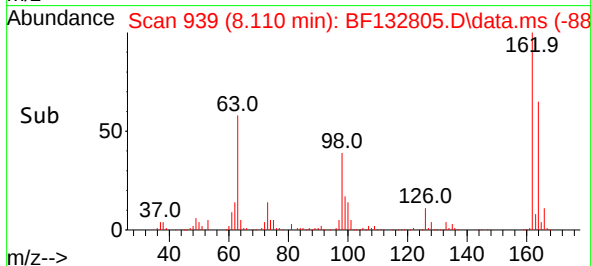
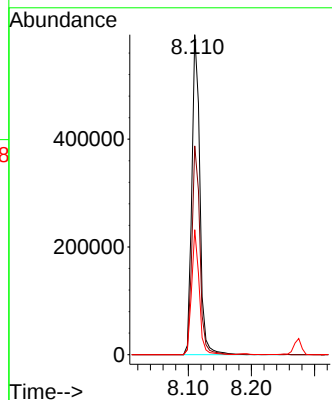
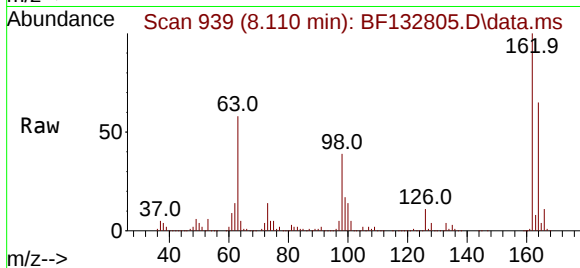
Tgt Ion:162 Resp: 528536

Ion Ratio Lower Upper

162 100

164 65.2 45.3 85.3

98 39.1 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 41.669 ng

RT: 8.193 min Scan# 953

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

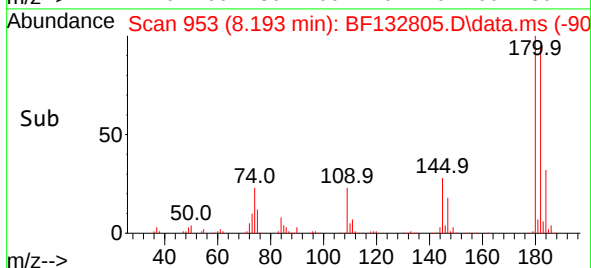
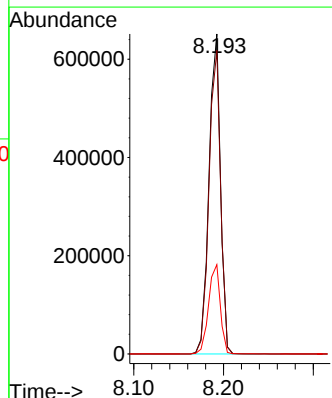
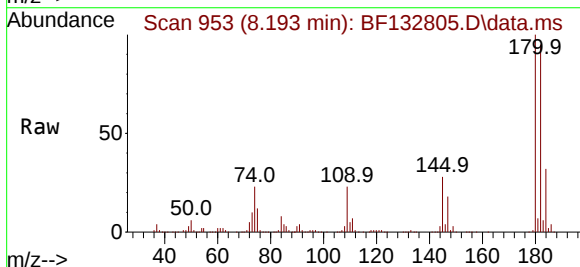
Tgt Ion:180 Resp: 578807

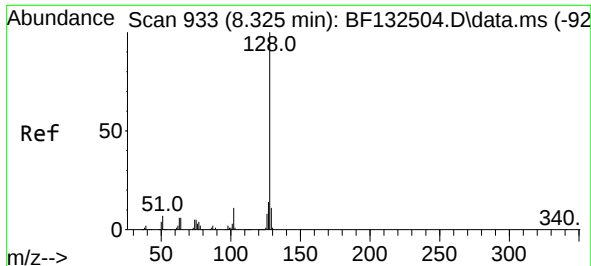
Ion Ratio Lower Upper

180 100

182 94.8 75.1 112.7

145 27.9 23.8 35.6

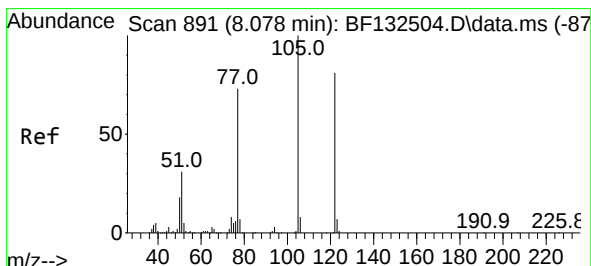
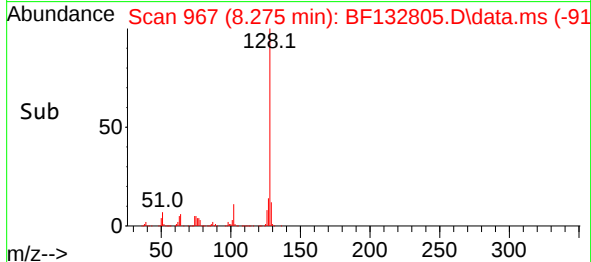
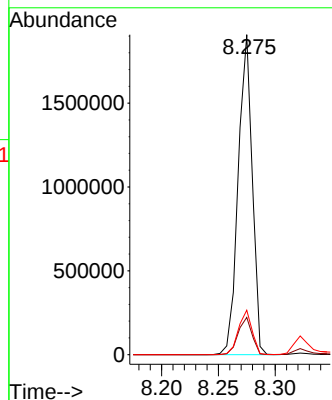
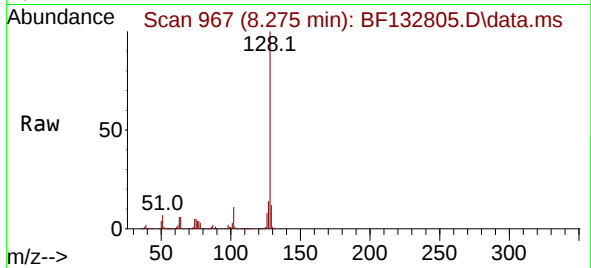




#31
Naphthalene
Concen: 39.054 ng
RT: 8.275 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

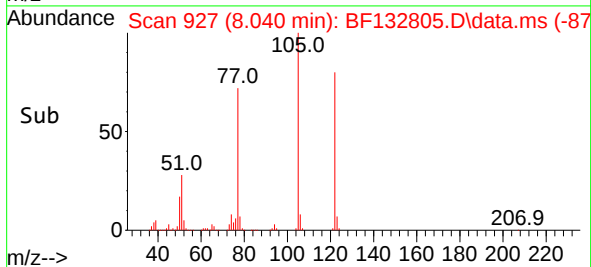
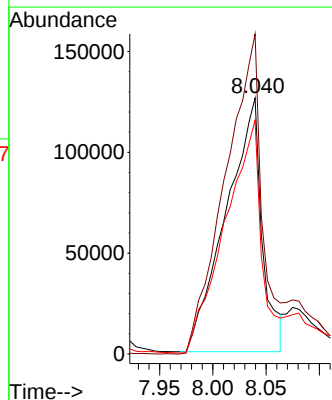
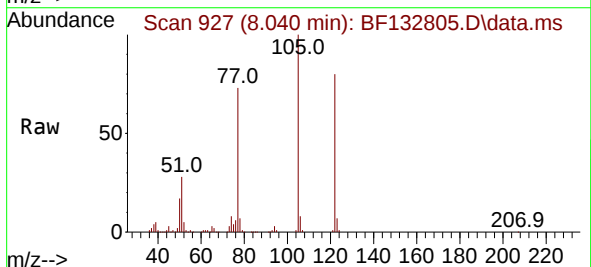
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

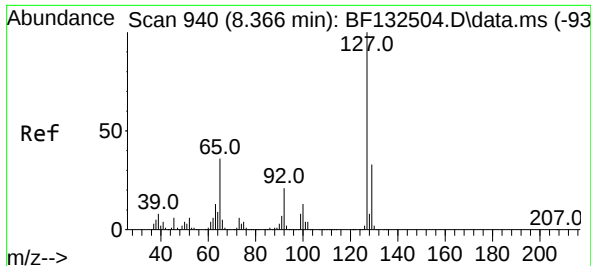
Tgt Ion:128 Resp: 1637900
Ion Ratio Lower Upper
128 100
129 11.7 9.1 13.7
127 13.9 11.0 16.6



#32
Benzoic acid
Concen: 30.758 ng
RT: 8.040 min Scan# 927
Delta R.T. 0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:122 Resp: 296521
Ion Ratio Lower Upper
122 100
105 125.1 102.6 142.6
77 91.4 70.2 110.2

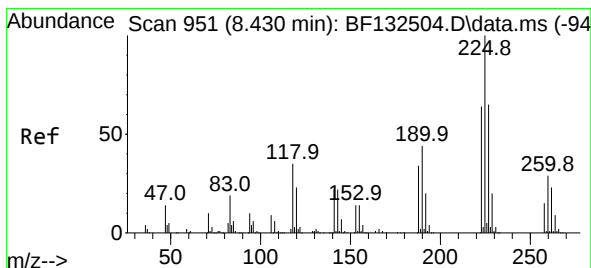
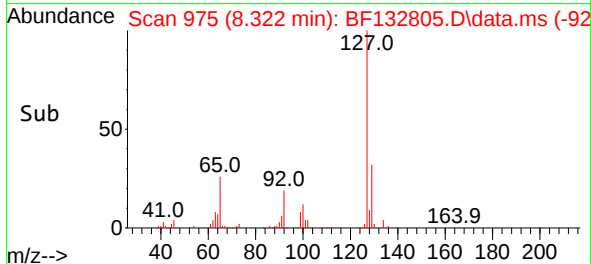
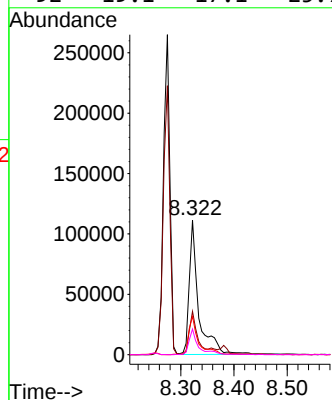
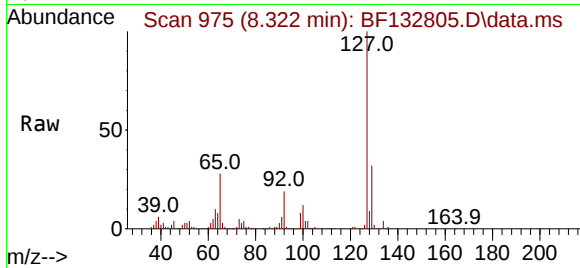




#33
4-Chloroaniline
Concen: 7.648 ng
RT: 8.322 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

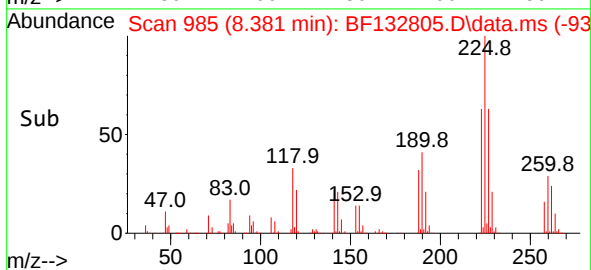
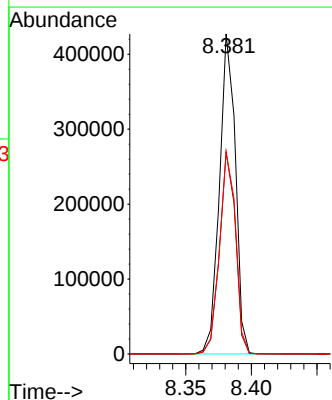
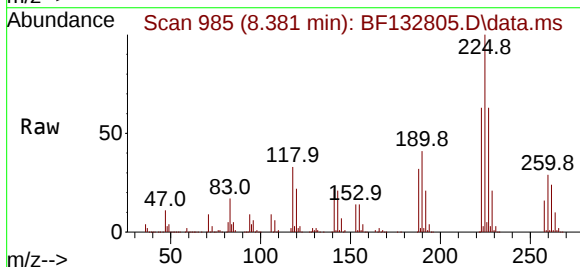
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

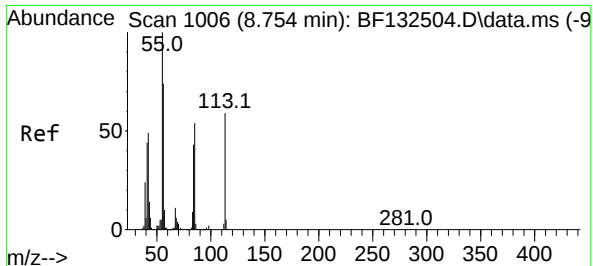
Tgt Ion:	127	Resp:	137448
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.4	39.6
65	28.4	28.8	43.2#
92	19.1	17.1	25.7



#34
Hexachlorobutadiene
Concen: 40.839 ng
RT: 8.381 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:	225	Resp:	360478
Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.0	76.4
227	63.1	51.7	77.5

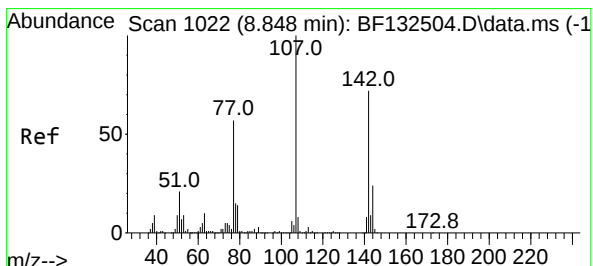
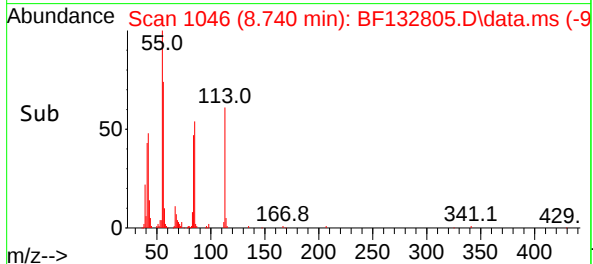
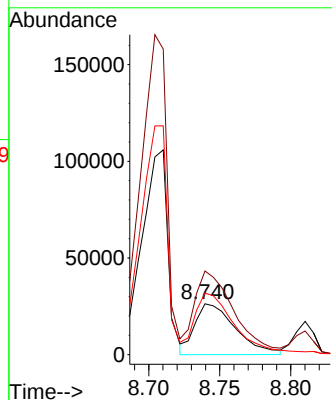
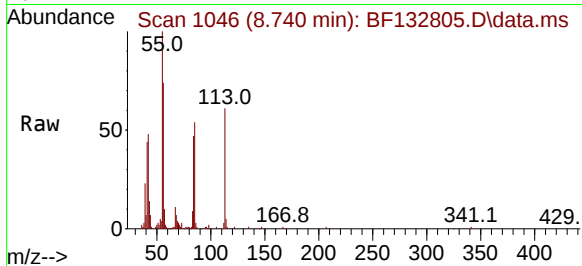




#35
 Caprolactam
 Concen: 12.447 ng
 RT: 8.740 min Scan# 1046
 Delta R.T. 0.030 min
 Lab File: BF132805.D
 Acq: 15 Mar 2023 16:13

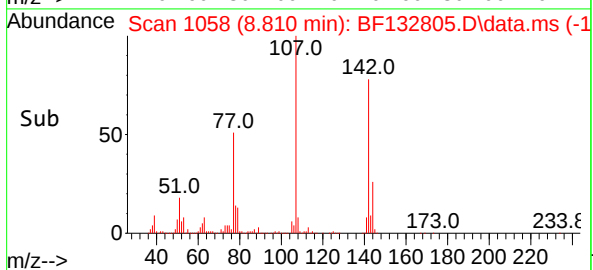
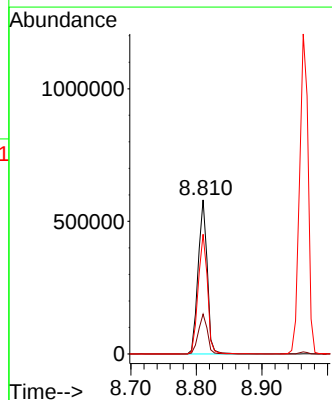
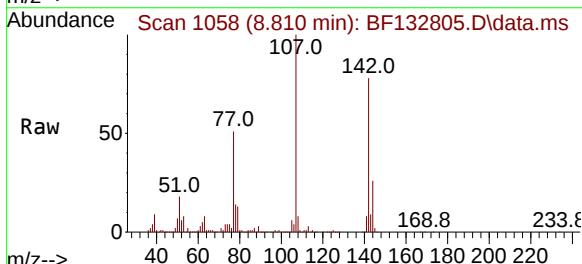
Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314

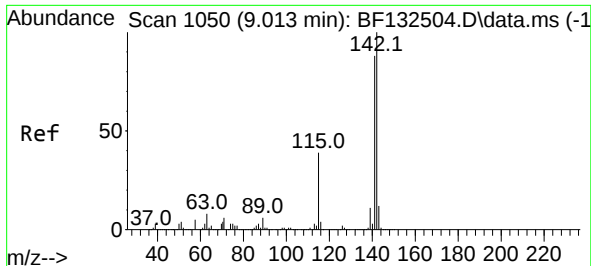
Tgt Ion:113 Resp: 52491
 Ion Ratio Lower Upper
 113 100
 55 164.6 149.4 189.4
 56 121.0 105.0 145.0



#36
 4-Chloro-3-methylphenol
 Concen: 40.079 ng
 RT: 8.810 min Scan# 1058
 Delta R.T. 0.006 min
 Lab File: BF132805.D
 Acq: 15 Mar 2023 16:13

Tgt Ion:107 Resp: 563053
 Ion Ratio Lower Upper
 107 100
 144 25.9 18.9 28.3
 142 77.7 57.9 86.9





#37

2-Methylnaphthalene

Concen: 38.319 ng

RT: 8.963 min Scan# 1101

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Instrument :

BNA_F

ClientSampleId :

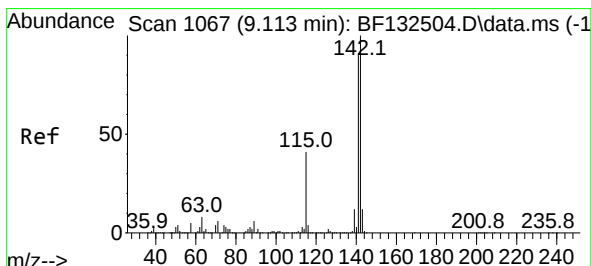
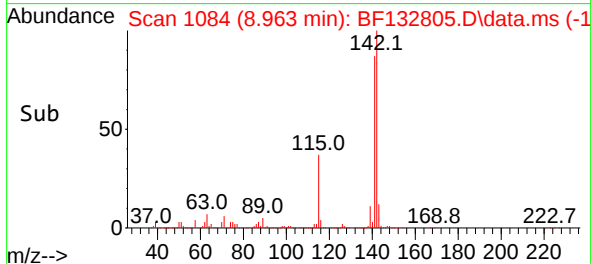
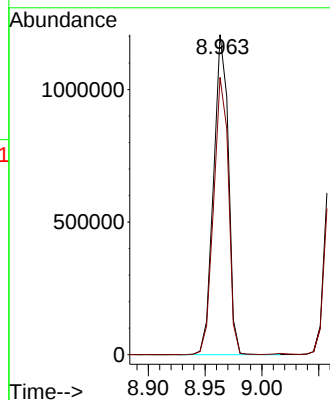
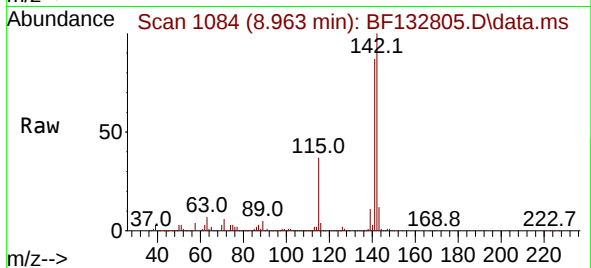
HILLBOR-DRUMS-0314

Tgt Ion:142 Resp: 1095194

Ion Ratio Lower Upper

142 100

141 86.7 70.2 105.2



#38

1-Methylnaphthalene

Concen: 37.935 ng

RT: 9.063 min Scan# 1101

Delta R.T. 0.000 min

Lab File: BF132805.D

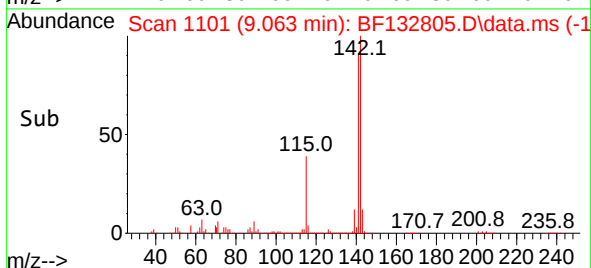
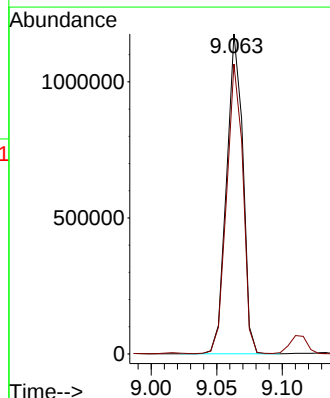
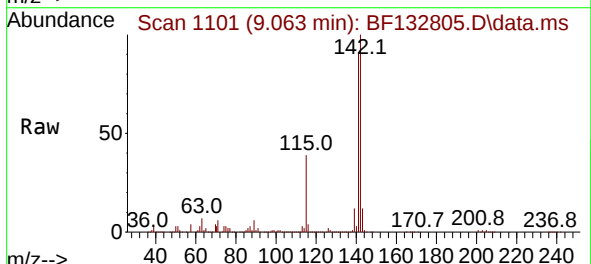
Acq: 15 Mar 2023 16:13

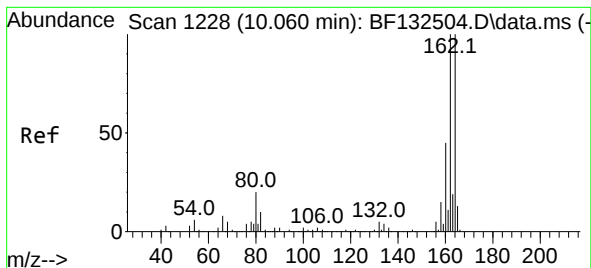
Tgt Ion:142 Resp: 1013261

Ion Ratio Lower Upper

142 100

141 90.6 73.0 109.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.010 min Scan# 1113

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

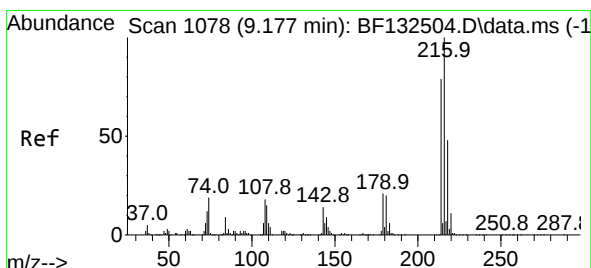
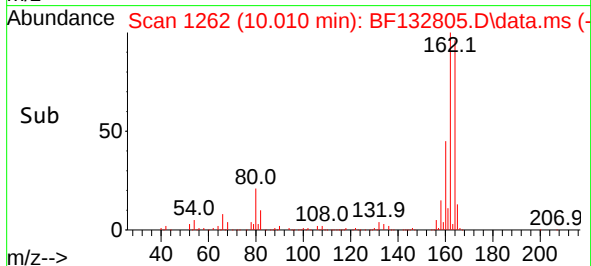
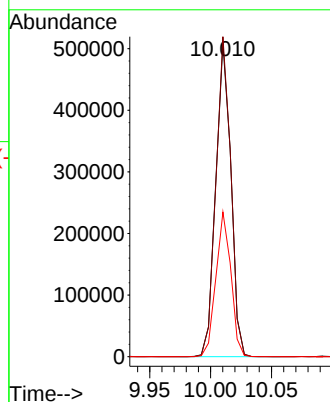
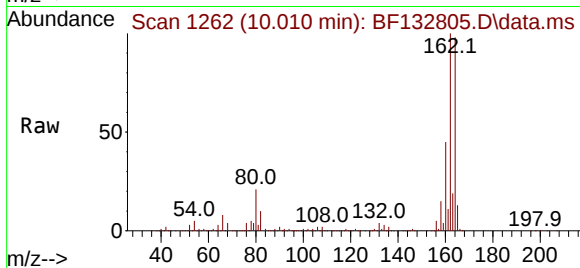
Tgt Ion:164 Resp: 439716

Ion Ratio Lower Upper

164 100

162 102.2 79.8 119.8

160 46.2 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.672 ng

RT: 9.134 min Scan# 1113

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Tgt Ion:216 Resp: 585126

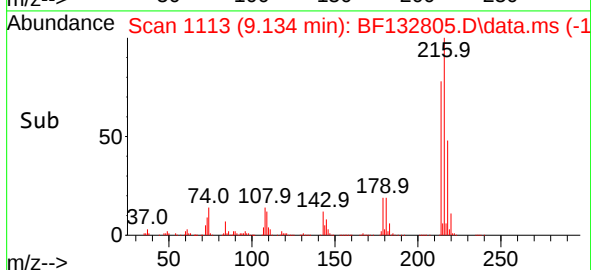
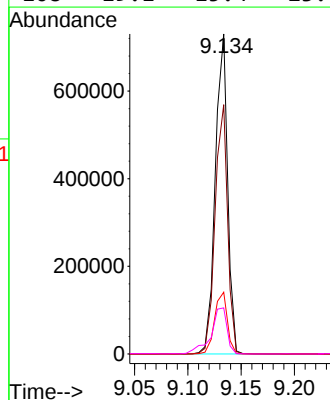
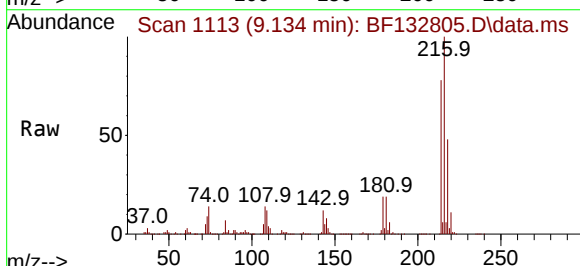
Ion Ratio Lower Upper

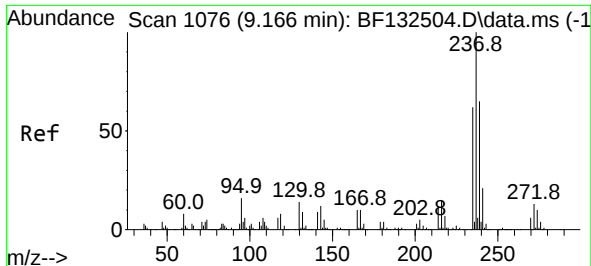
216 100

214 79.0 63.0 94.6

179 20.0 16.6 24.8

108 19.1 15.4 23.0

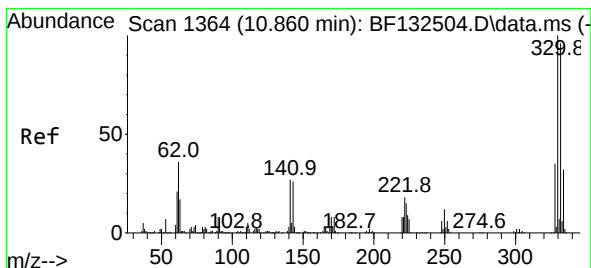
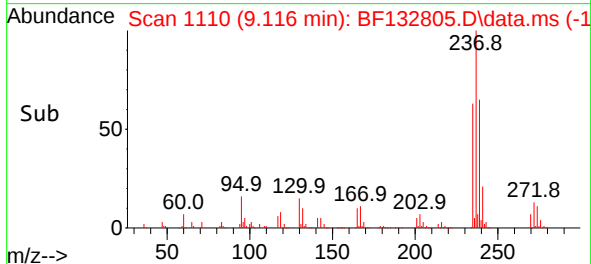
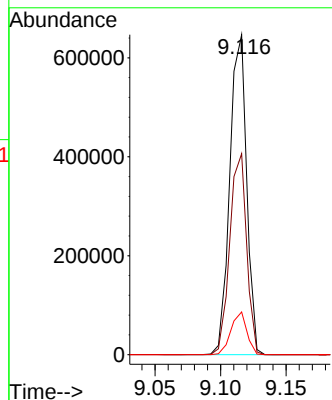
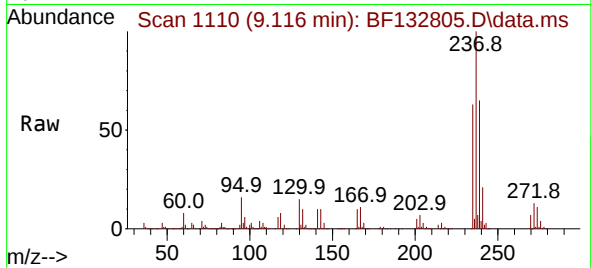




#41
Hexachlorocyclopentadiene
Concen: 74.110 ng
RT: 9.116 min Scan# 1110
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

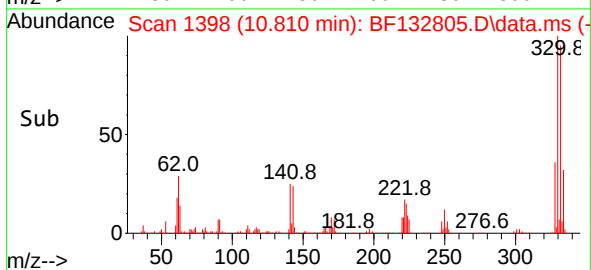
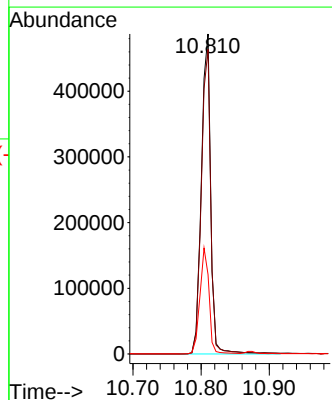
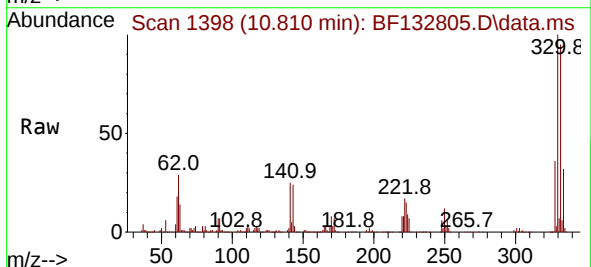
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

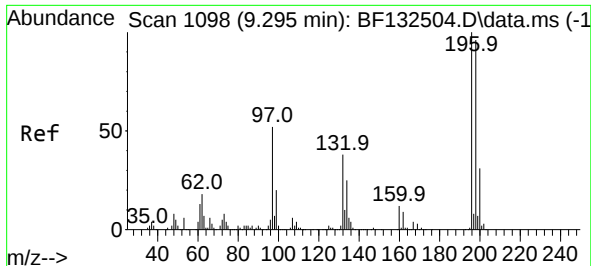
Tgt Ion:237 Resp: 578287
Ion Ratio Lower Upper
237 100
235 62.8 42.4 82.4
272 13.3 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 97.693 ng
RT: 10.810 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:330 Resp: 463917
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 32.5 28.4 42.6

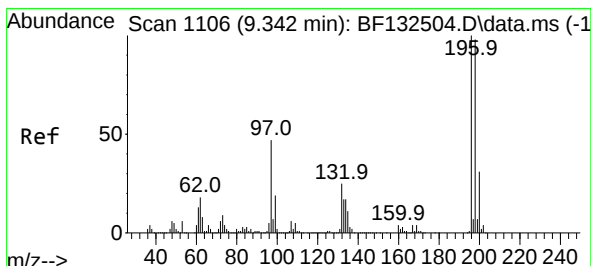
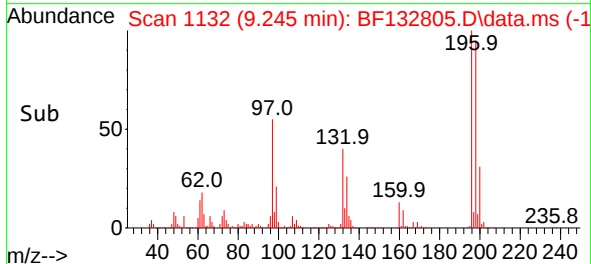
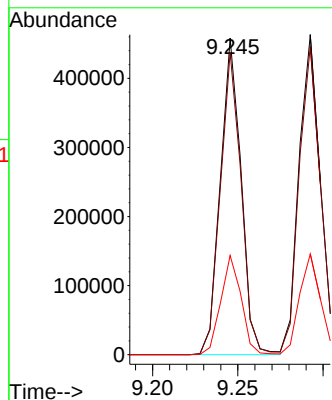
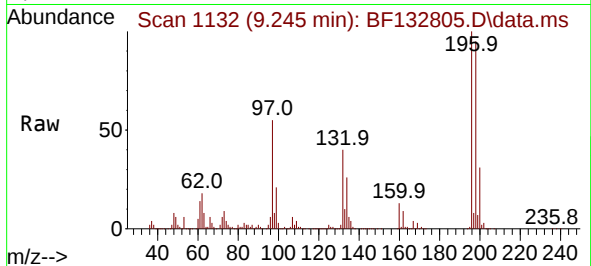




#43
2,4,6-Trichlorophenol
Concen: 39.874 ng
RT: 9.245 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

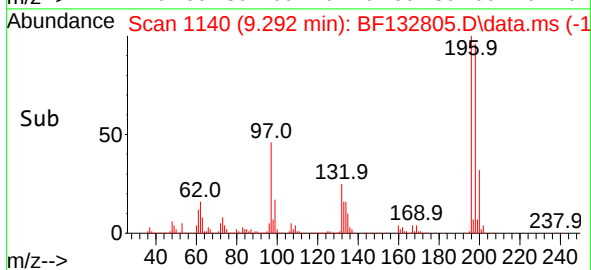
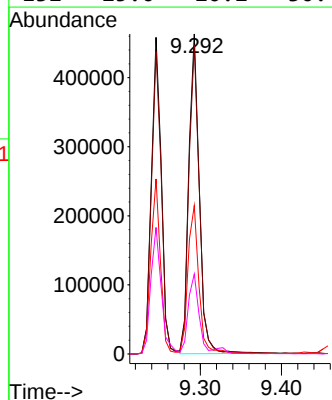
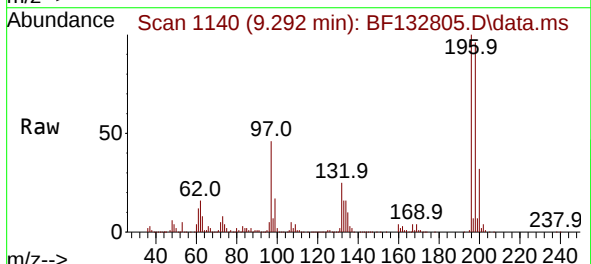
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

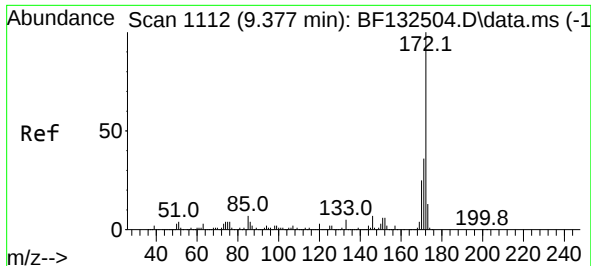
Tgt Ion:196 Resp: 388755
Ion Ratio Lower Upper
196 100
198 95.5 77.1 115.7
200 31.3 25.0 37.4



#44
2,4,5-Trichlorophenol
Concen: 36.623 ng
RT: 9.292 min Scan# 1140
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:196 Resp: 416740
Ion Ratio Lower Upper
196 100
198 96.5 78.3 117.5
97 46.4 38.1 57.1
132 25.0 20.2 30.4

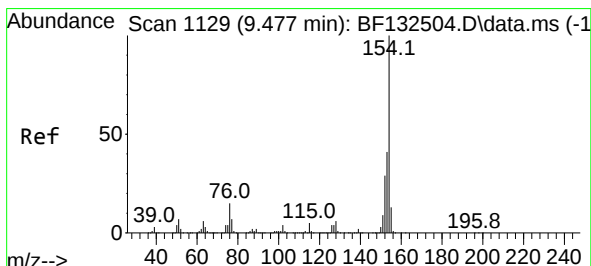
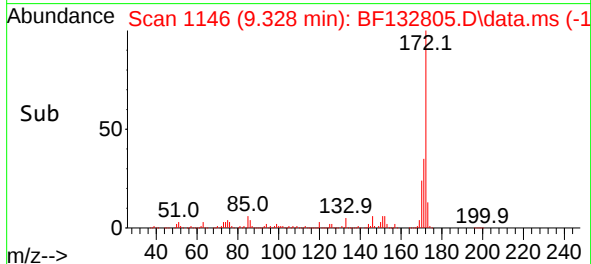
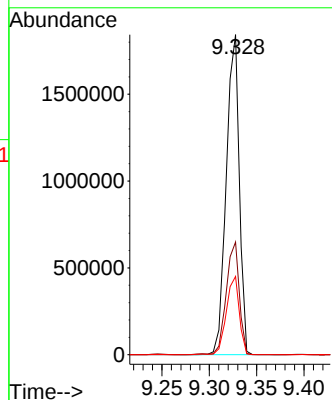
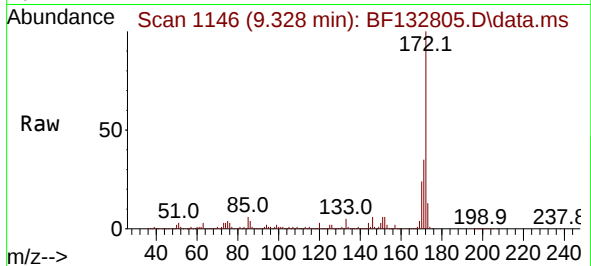




#45
2-Fluorobiphenyl
Concen: 61.176 ng
RT: 9.328 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

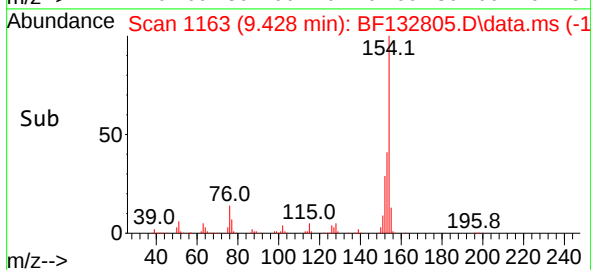
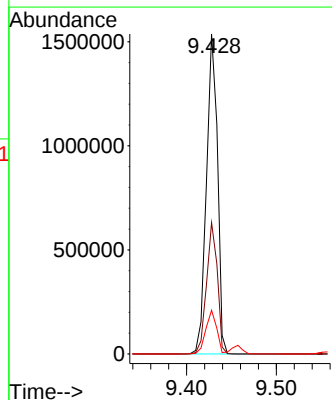
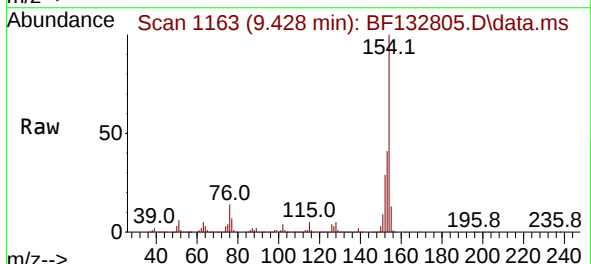
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

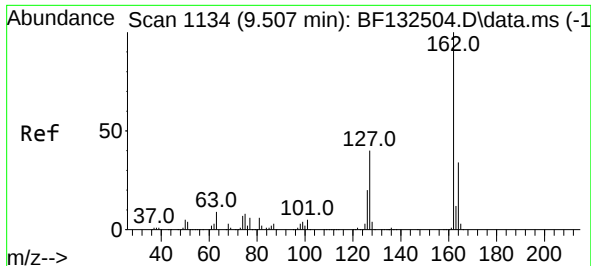
Tgt Ion:172 Resp: 1766638
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 24.4 19.7 29.5



#46
1,1'-Biphenyl
Concen: 39.355 ng
RT: 9.428 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:154 Resp: 1309777
Ion Ratio Lower Upper
154 100
153 41.1 20.9 60.9
76 13.7 0.0 34.7





#47

2-Chloronaphthalene

Concen: 40.244 ng

RT: 9.457 min Scan# 1118

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

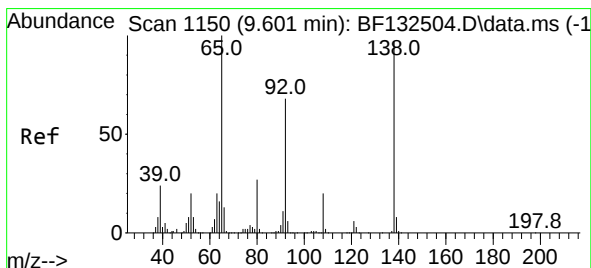
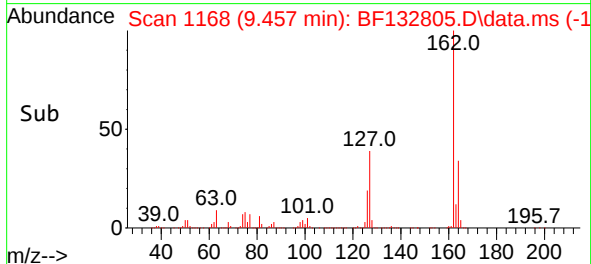
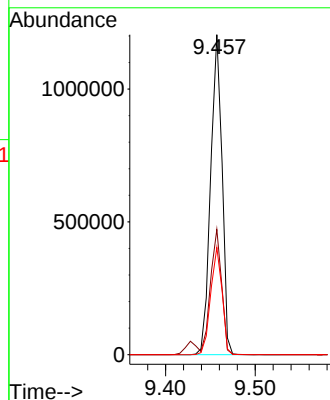
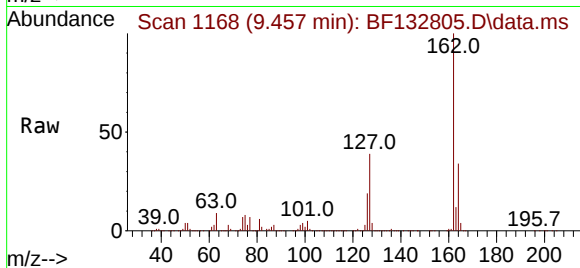
Tgt Ion:162 Resp: 1061919

Ion Ratio Lower Upper

162 100

127 39.2 32.3 48.5

164 33.5 26.9 40.3



#48

2-Nitroaniline

Concen: 35.533 ng

RT: 9.557 min Scan# 1185

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

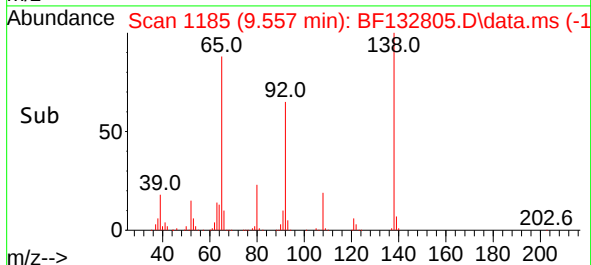
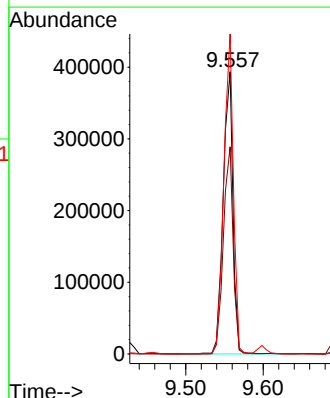
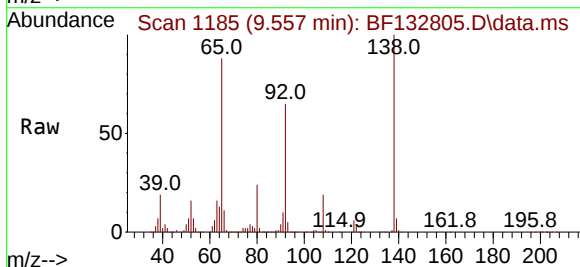
Tgt Ion: 65 Resp: 345319

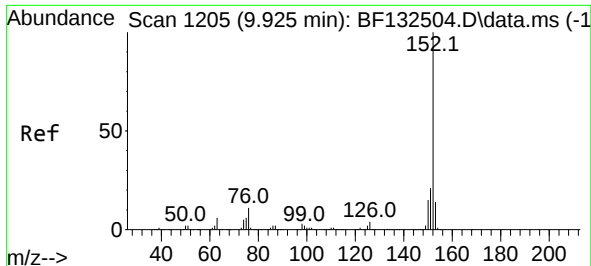
Ion Ratio Lower Upper

65 100

92 73.4 54.5 81.7

138 113.3 77.2 115.8





#49

Acenaphthylene

Concen: 38.239 ng

RT: 9.875 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

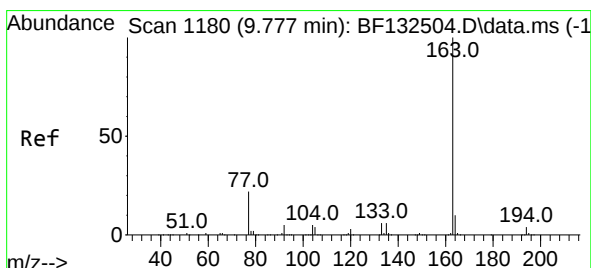
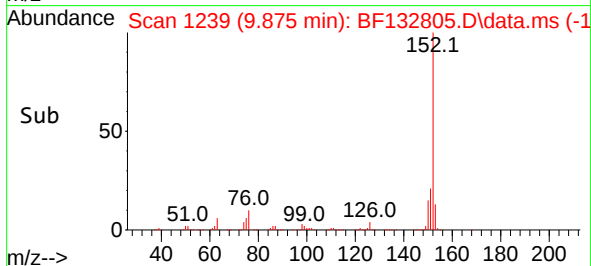
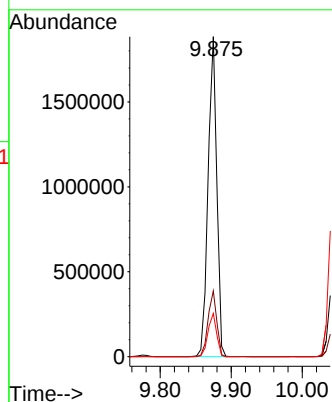
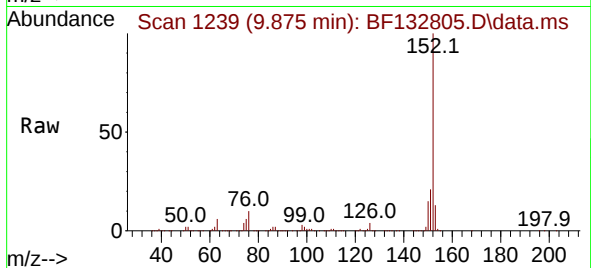
Tgt Ion:152 Resp: 1605880

Ion Ratio Lower Upper

152 100

151 20.6 16.4 24.6

153 13.5 11.0 16.6



#50

Dimethylphthalate

Concen: 39.907 ng

RT: 9.728 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

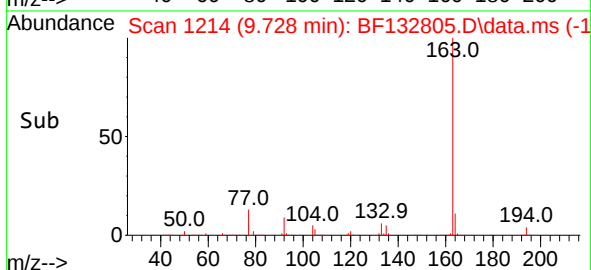
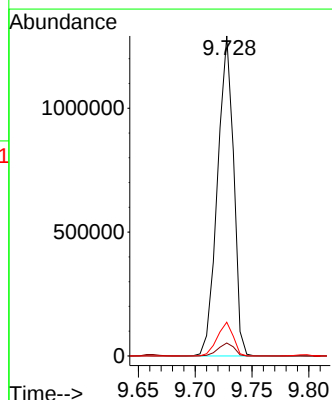
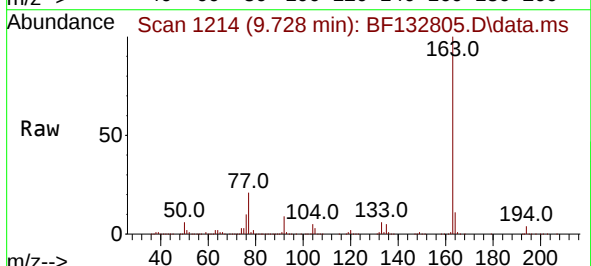
Tgt Ion:163 Resp: 1277701

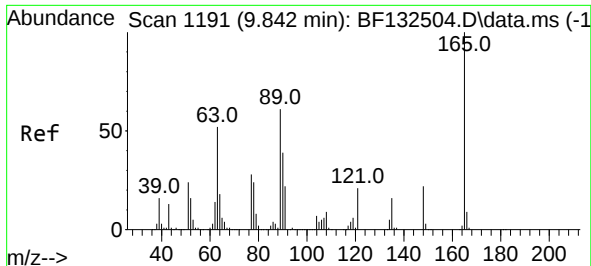
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.5 8.3 12.5

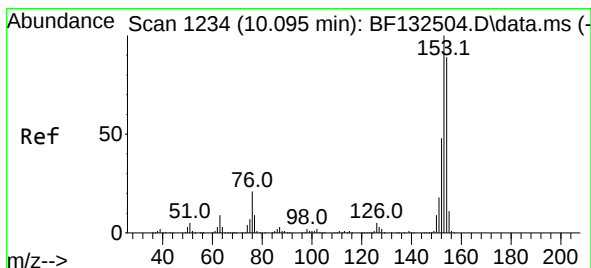
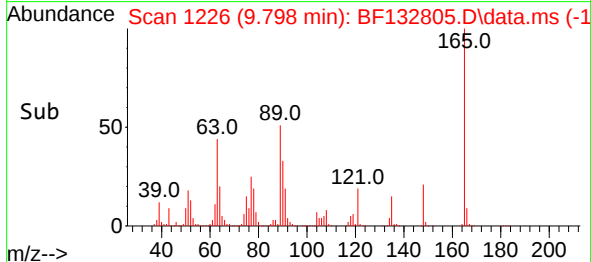
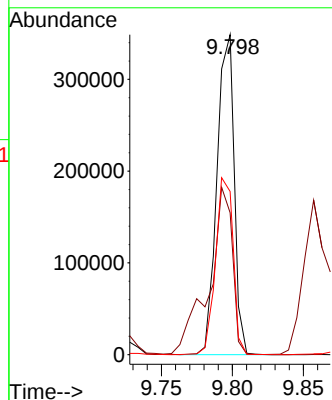
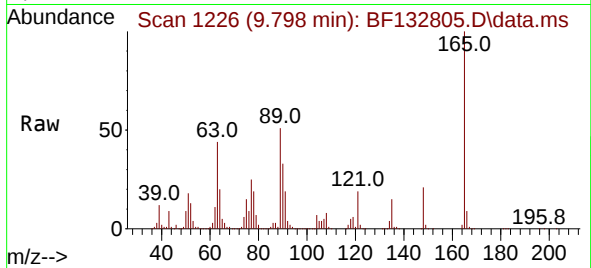




#51
2,6-Dinitrotoluene
Concen: 40.262 ng
RT: 9.798 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

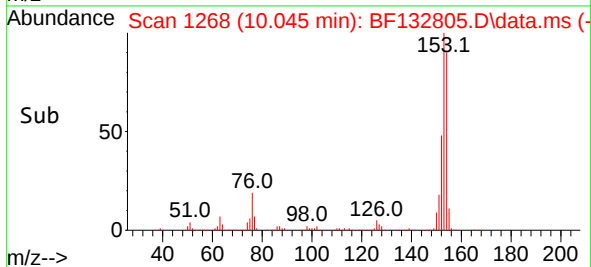
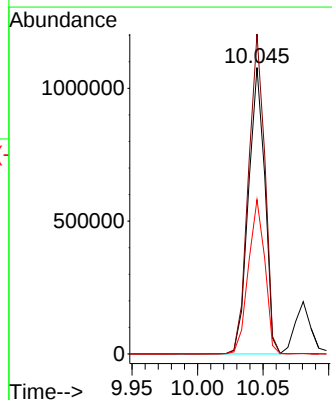
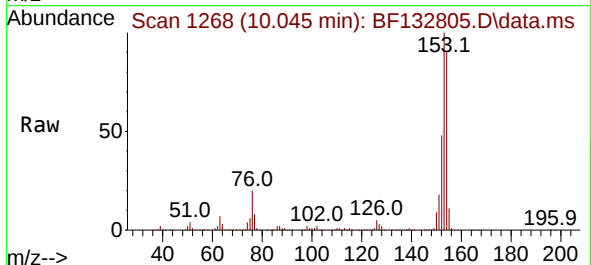
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

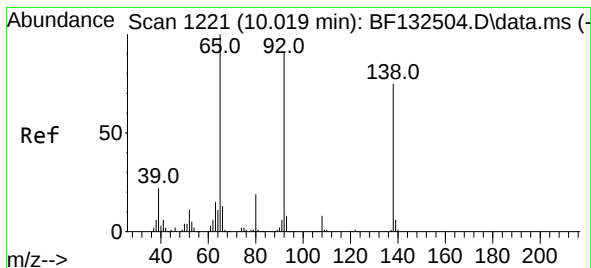
Tgt Ion:165 Resp: 293571
Ion Ratio Lower Upper
165 100
63 44.3 47.3 70.9#
89 51.0 48.9 73.3



#52
Acenaphthene
Concen: 35.171 ng
RT: 10.045 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:154 Resp: 937902
Ion Ratio Lower Upper
154 100
153 111.7 89.8 134.8
152 53.9 43.3 64.9

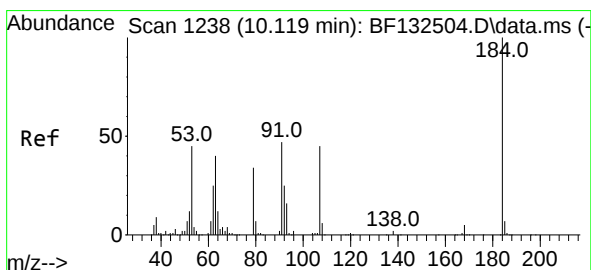
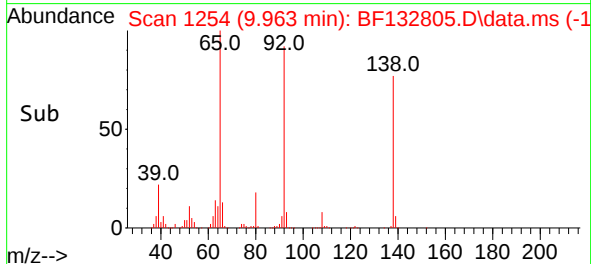
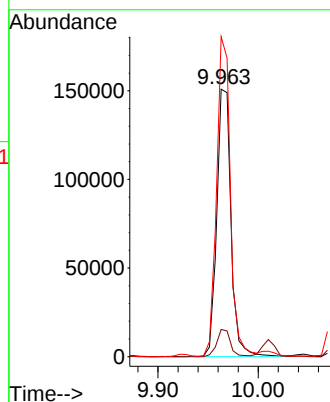
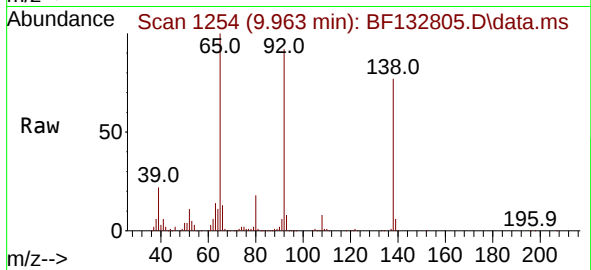




#53
3-Nitroaniline
Concen: 18.212 ng
RT: 9.963 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

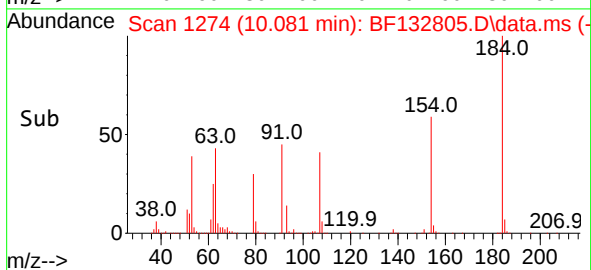
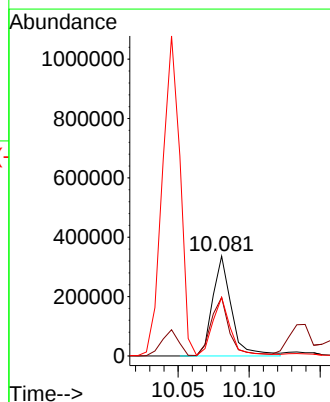
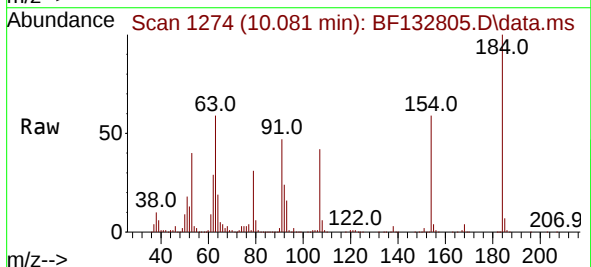
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

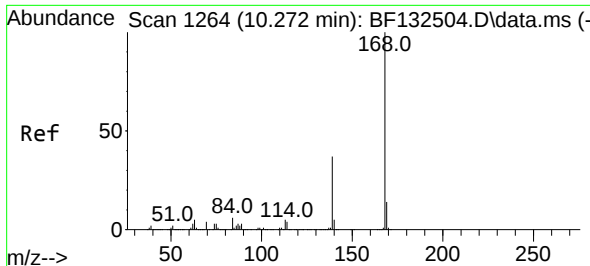
Tgt Ion:138 Resp: 148544
Ion Ratio Lower Upper
138 100
108 10.1 8.1 12.1
92 119.6 97.2 145.8



#54
2,4-Dinitrophenol
Concen: 67.919 ng
RT: 10.081 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:184 Resp: 310765
Ion Ratio Lower Upper
184 100
63 58.7 51.4 77.2
154 58.6 48.3 72.5

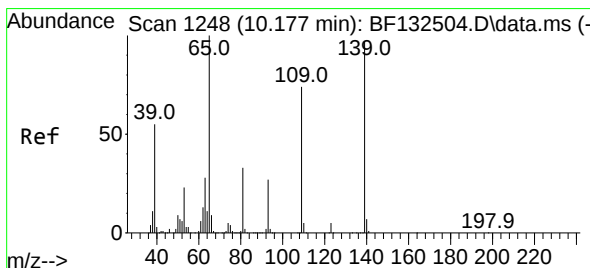
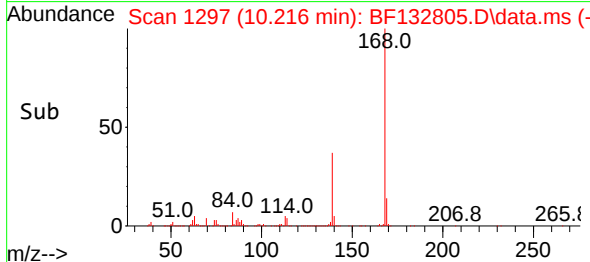
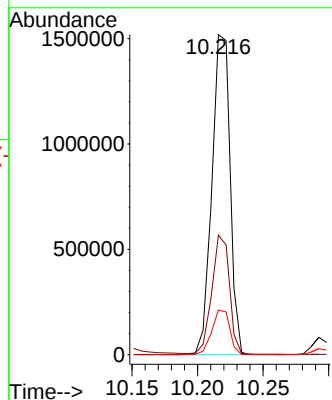
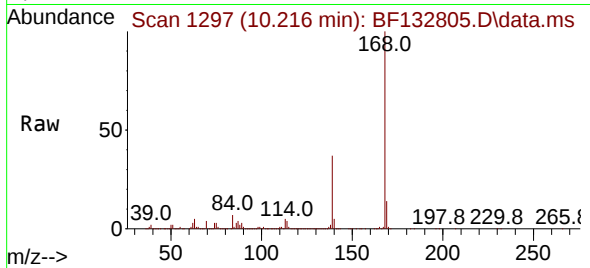




#55
Dibenzofuran
Concen: 37.667 ng
RT: 10.216 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

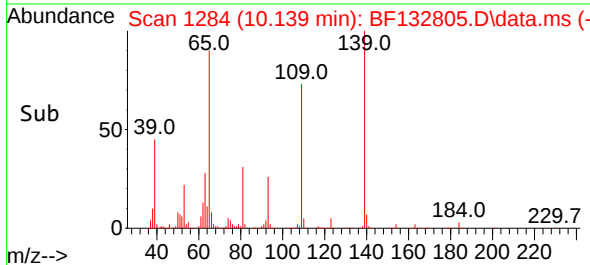
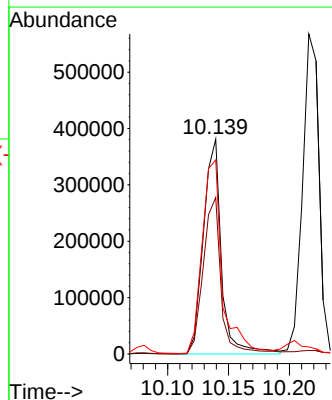
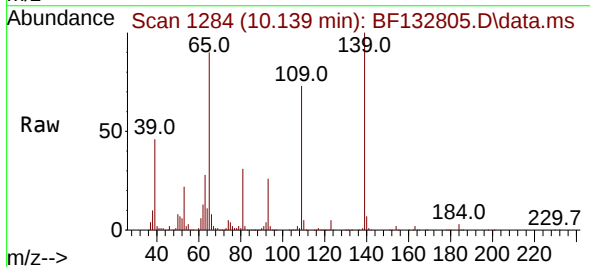
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

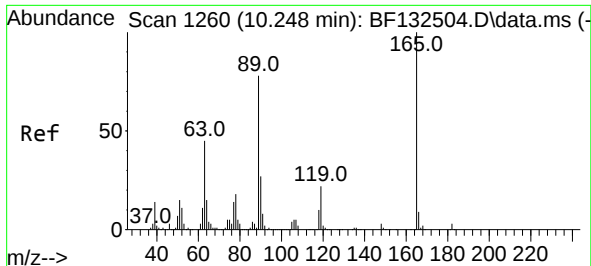
Tgt Ion:168 Resp: 1464319
Ion Ratio Lower Upper
168 100
139 37.4 29.8 44.6
169 13.9 10.9 16.3



#56
4-Nitrophenol
Concen: 64.324 ng
RT: 10.139 min Scan# 1284
Delta R.T. 0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:139 Resp: 391268
Ion Ratio Lower Upper
139 100
109 72.8 56.7 96.7
65 90.4 83.5 123.5





#57

2,4-Dinitrotoluene

Concen: 38.646 ng

RT: 10.204 min Scan# 1356

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

Tgt Ion:165 Resp: 374882

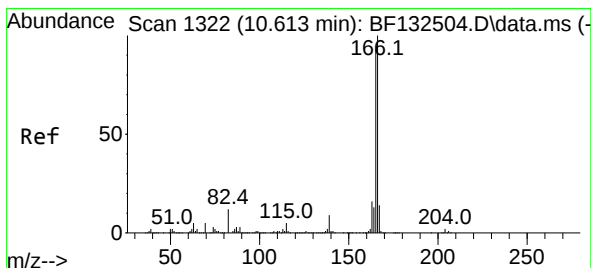
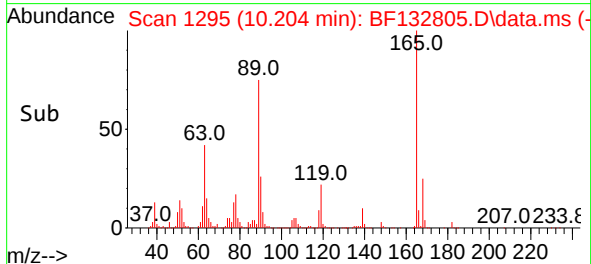
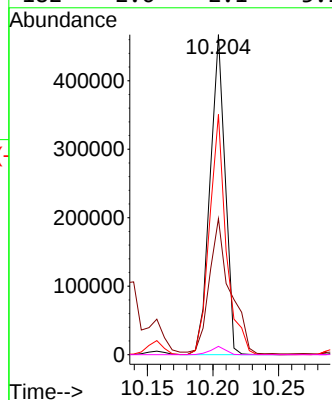
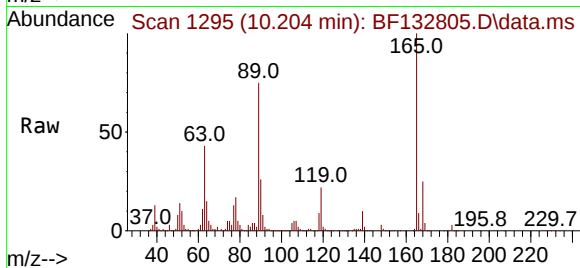
Ion Ratio Lower Upper

165 100

63 42.5 36.5 54.7

89 75.0 62.4 93.6

182 2.6 2.1 3.1



#58

Fluorene

Concen: 38.424 ng

RT: 10.563 min Scan# 1356

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

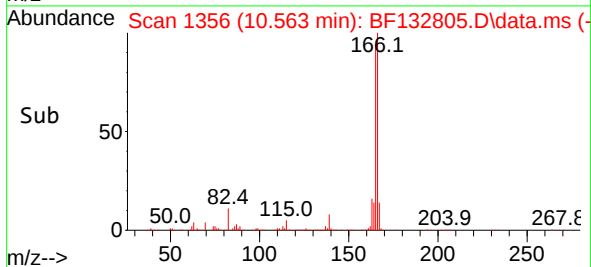
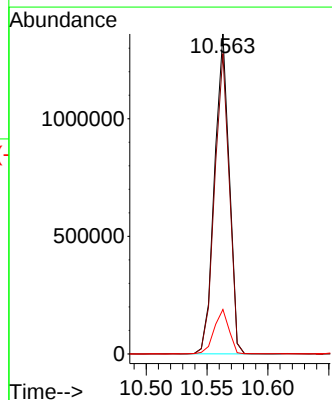
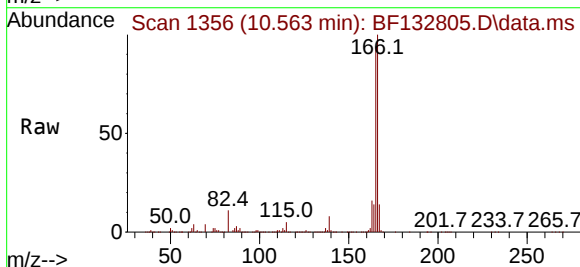
Tgt Ion:166 Resp: 1142593

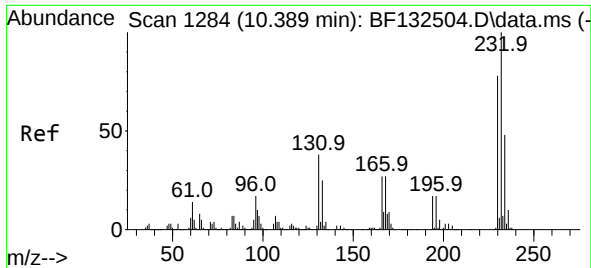
Ion Ratio Lower Upper

166 100

165 93.9 74.2 111.4

167 13.9 11.1 16.7

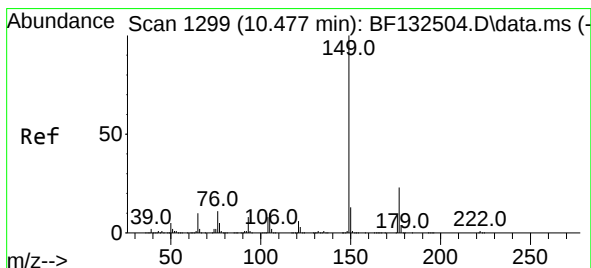
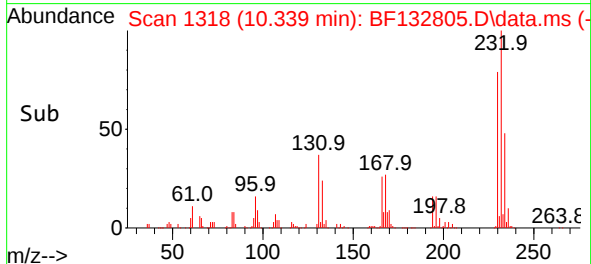
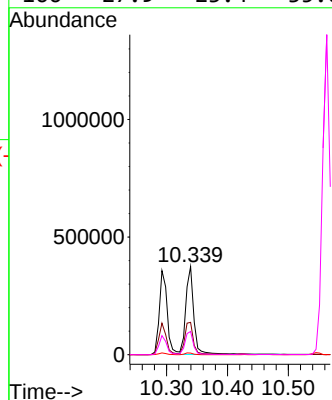
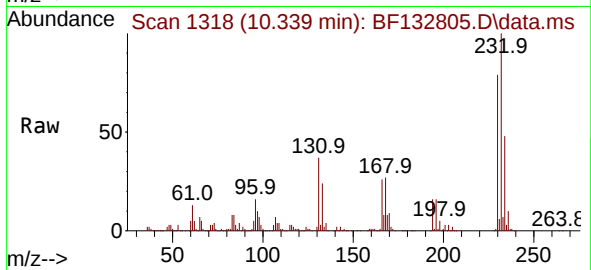




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.357 ng
RT: 10.339 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

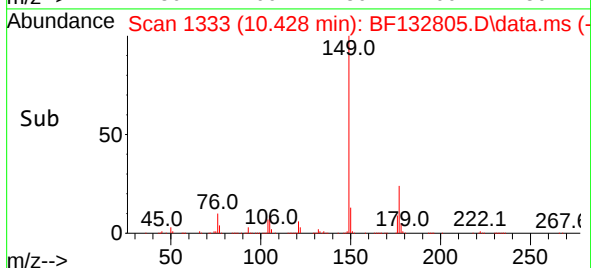
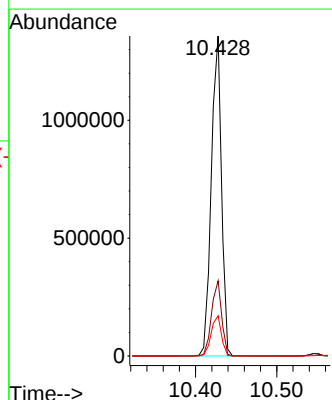
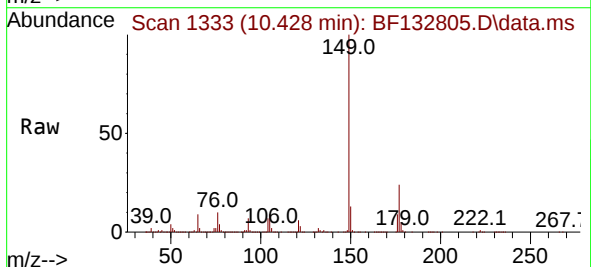
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

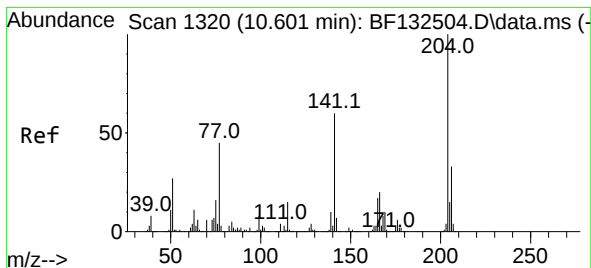
Tgt Ion:232 Resp: 341137
Ion Ratio Lower Upper
232 100
131 39.3 33.8 50.8
130 2.2 1.7 2.5
166 27.9 23.4 35.0



#60
Diethylphthalate
Concen: 37.674 ng
RT: 10.428 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:149 Resp: 1178025
Ion Ratio Lower Upper
149 100
177 23.5 18.1 27.1
150 12.6 10.2 15.2

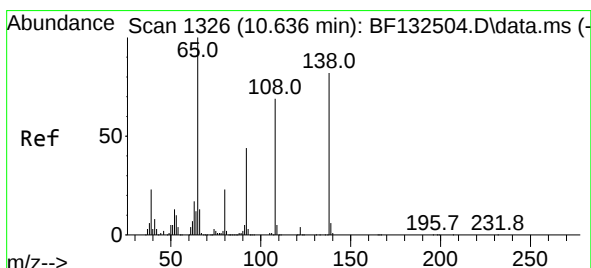
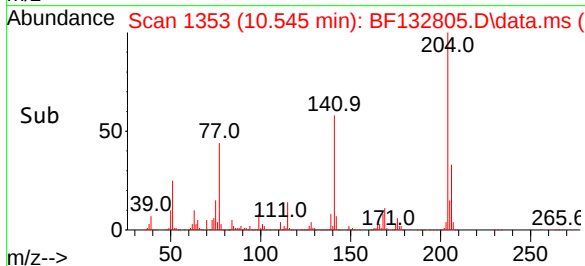
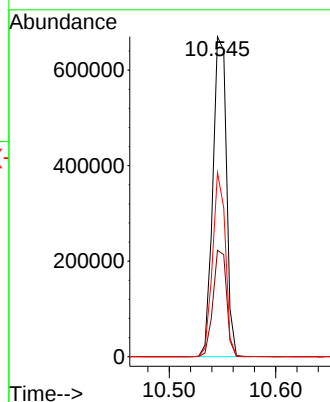
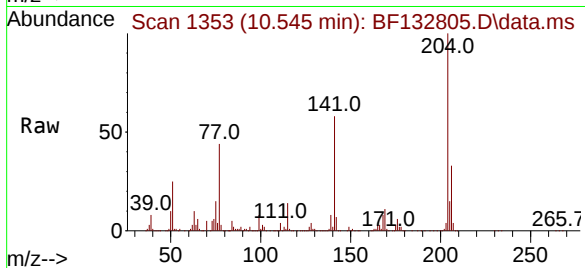




#61
4-Chlorophenyl-phenylether
Concen: 38.783 ng
RT: 10.545 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

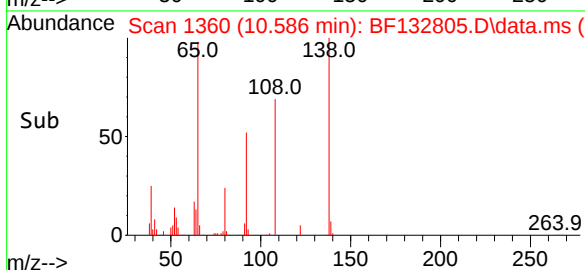
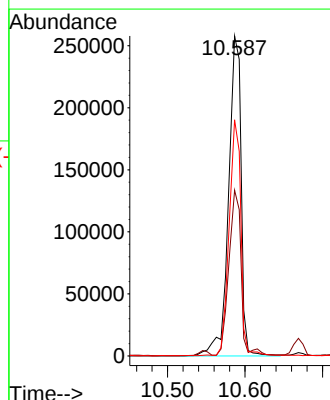
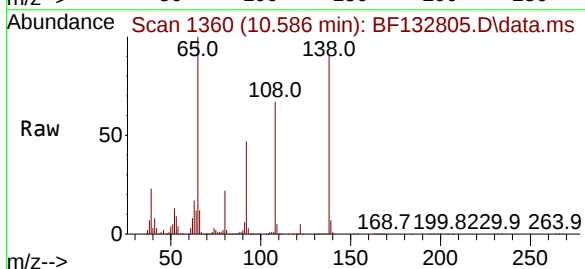
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

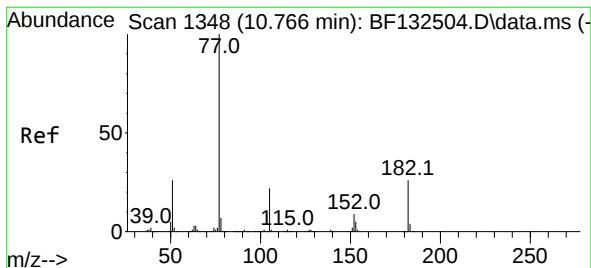
Tgt Ion:204 Resp: 598278
Ion Ratio Lower Upper
204 100
206 33.2 26.3 39.5
141 57.5 47.8 71.8



#62
4-Nitroaniline
Concen: 36.334 ng
RT: 10.586 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:138 Resp: 290911
Ion Ratio Lower Upper
138 100
92 51.8 33.8 73.8
108 73.8 63.7 103.7





#63

Azobenzene

Concen: 38.726 ng

RT: 10.710 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

Tgt Ion: 77 Resp: 1282445

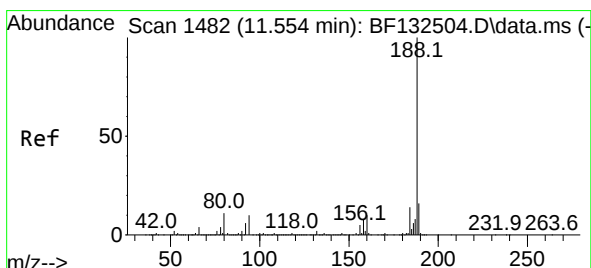
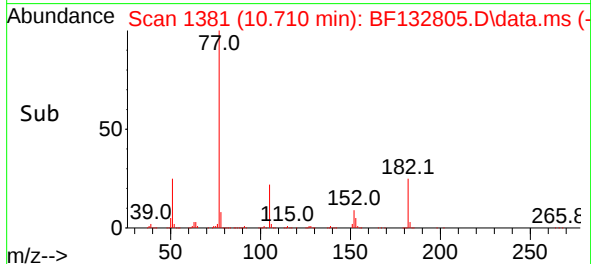
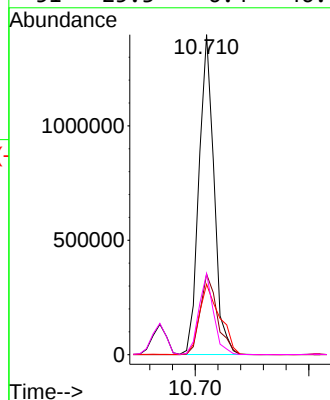
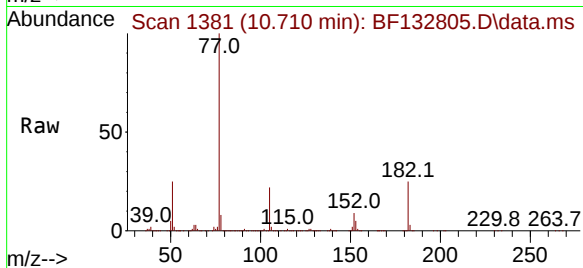
Ion Ratio Lower Upper

77 100

182 25.2 5.5 45.5

105 22.0 1.8 41.8

51 25.3 6.4 46.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.504 min Scan# 1516

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

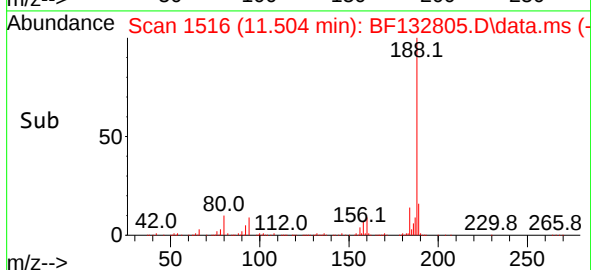
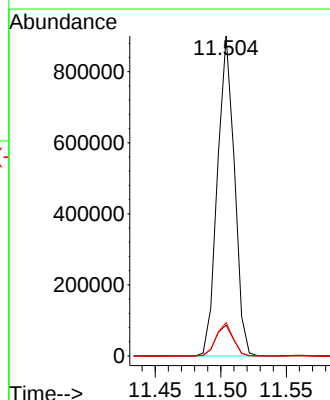
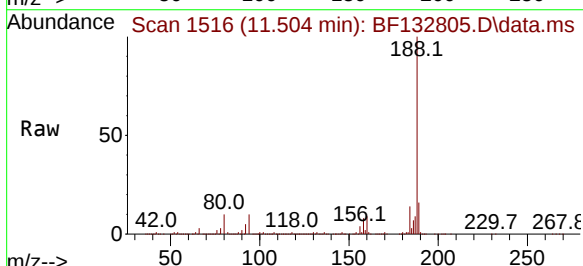
Tgt Ion: 188 Resp: 810726

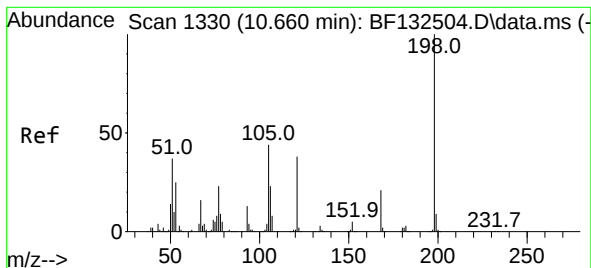
Ion Ratio Lower Upper

188 100

94 9.7 8.3 12.5

80 10.4 8.7 13.1

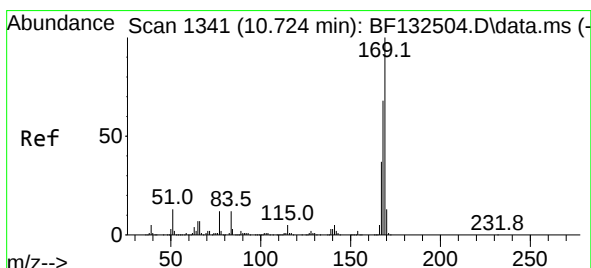
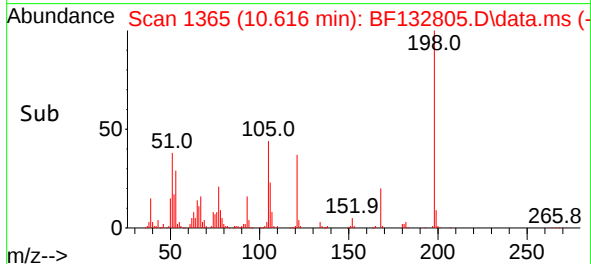
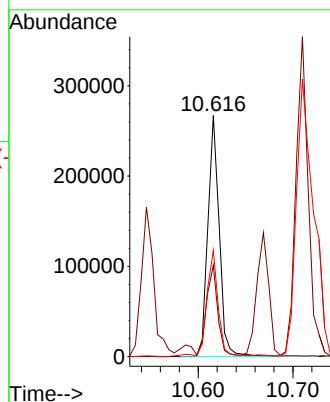
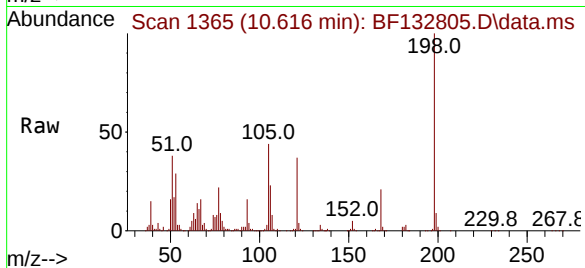




#65
4,6-Dinitro-2-methylphenol
Concen: 40.607 ng
RT: 10.616 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

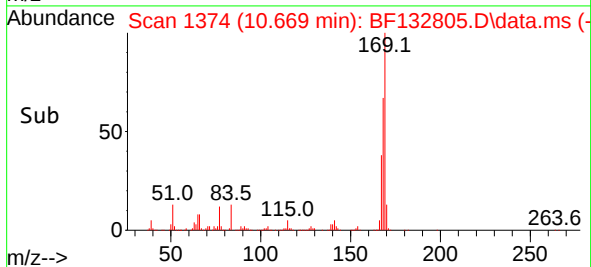
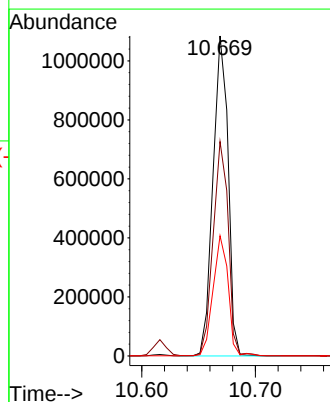
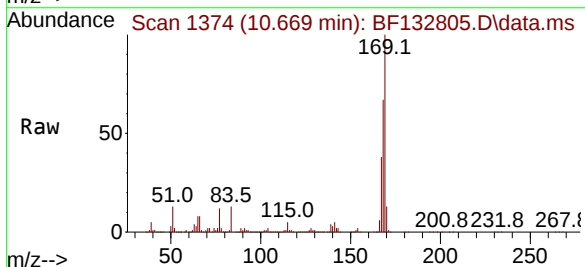
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

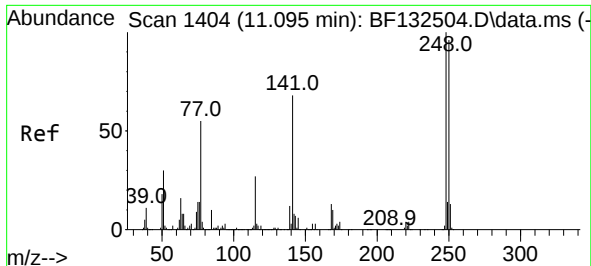
Tgt Ion:198 Resp: 222861
Ion Ratio Lower Upper
198 100
51 37.9 20.6 60.6
105 44.0 24.3 64.3



#66
n-Nitrosodiphenylamine
Concen: 39.515 ng
RT: 10.669 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:169 Resp: 998728
Ion Ratio Lower Upper
169 100
168 67.0 54.2 81.4
167 37.5 29.6 44.4

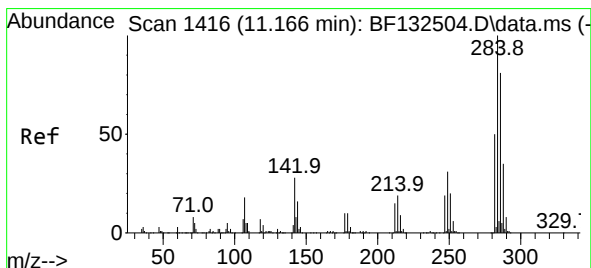
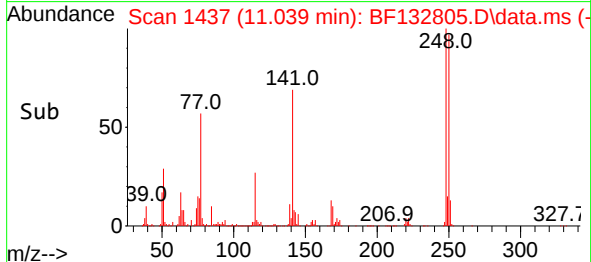
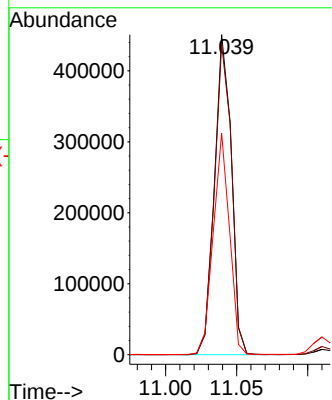
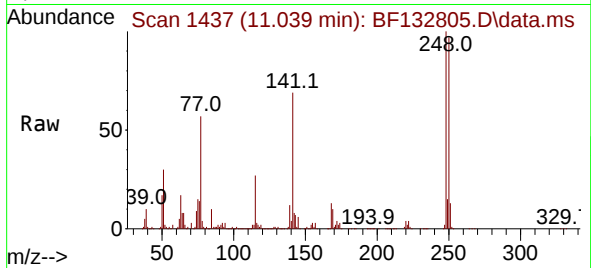




#67
4-Bromophenyl-phenylether
Concen: 40.741 ng
RT: 11.039 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

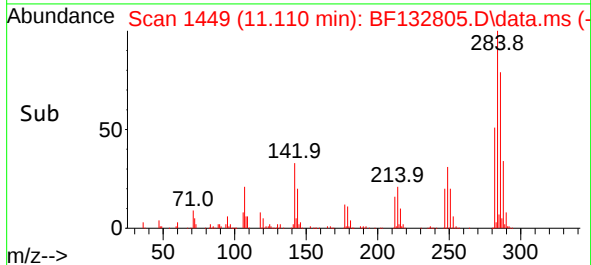
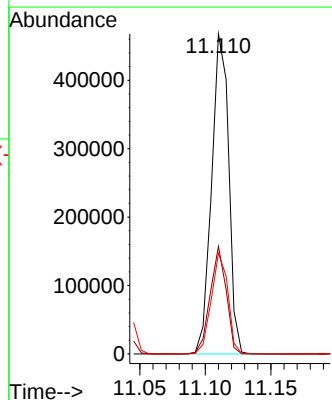
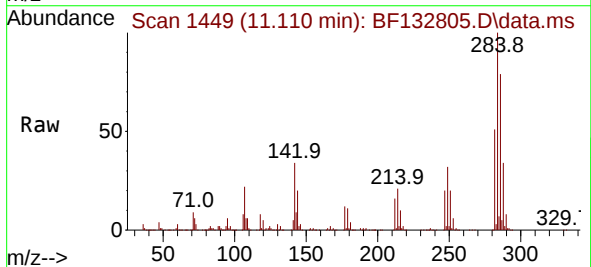
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

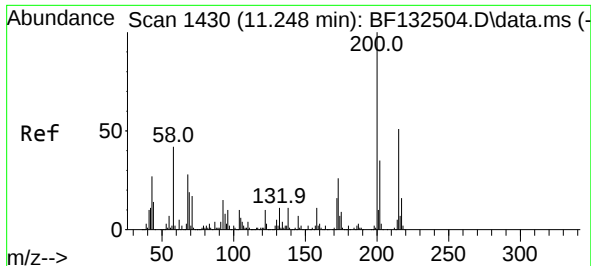
Tgt Ion:248 Resp: 373621
Ion Ratio Lower Upper
248 100
250 97.1 77.0 115.4
141 69.2 54.2 81.2



#68
Hexachlorobenzene
Concen: 43.923 ng
RT: 11.110 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:284 Resp: 423840
Ion Ratio Lower Upper
284 100
142 33.6 22.2 33.4#
249 31.5 24.9 37.3

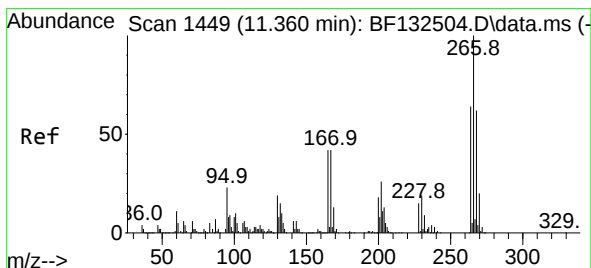
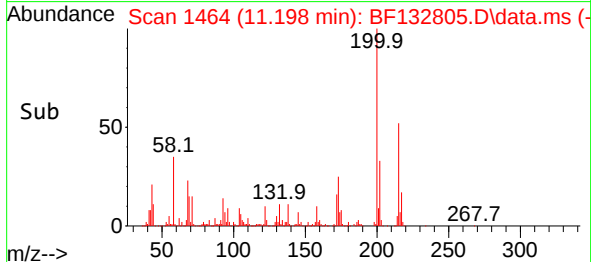
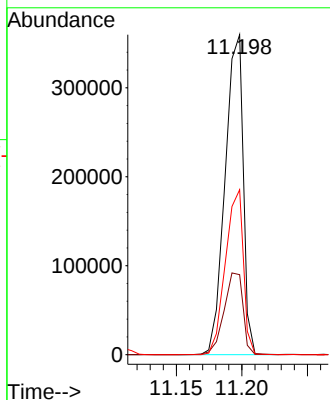
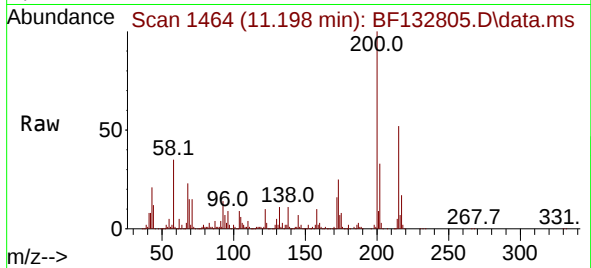




#69
Atrazine
Concen: 43.771 ng
RT: 11.198 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

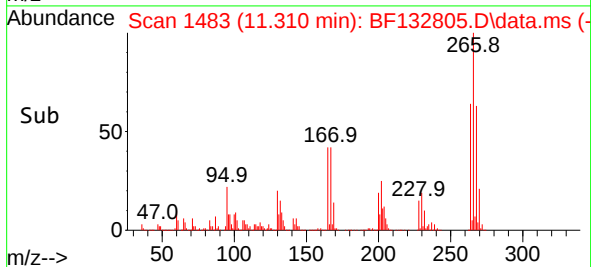
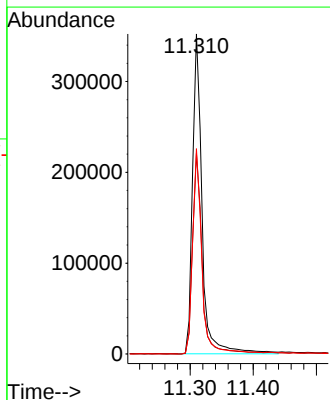
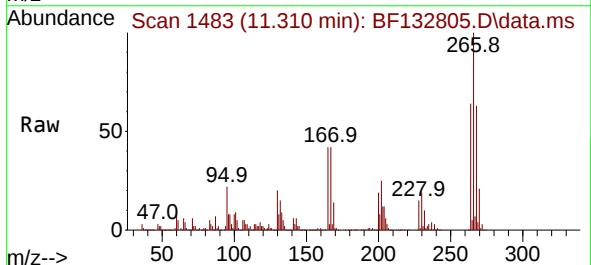
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

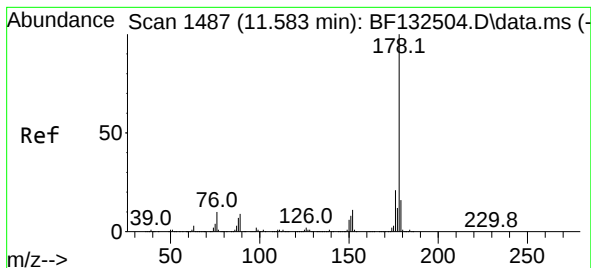
Tgt Ion:200 Resp: 345380
Ion Ratio Lower Upper
200 100
173 25.0 6.4 46.4
215 51.6 31.0 71.0



#70
Pentachlorophenol
Concen: 64.703 ng
RT: 11.310 min Scan# 1483
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:266 Resp: 371473
Ion Ratio Lower Upper
266 100
268 62.6 49.8 74.6
264 64.1 50.9 76.3





#71

Phenanthrene

Concen: 38.900 ng

RT: 11.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

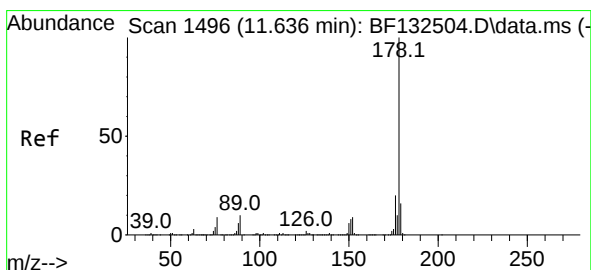
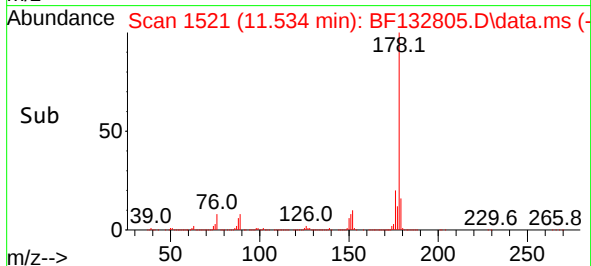
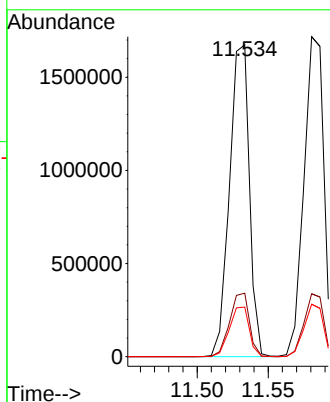
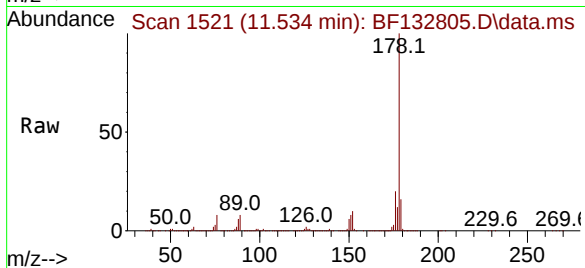
Tgt Ion:178 Resp: 1633783

Ion Ratio Lower Upper

178 100

176 20.4 16.5 24.7

179 15.9 13.0 19.6



#72

Anthracene

Concen: 38.806 ng

RT: 11.581 min Scan# 1529

Delta R.T. -0.006 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

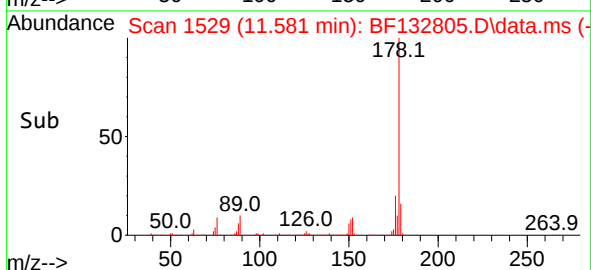
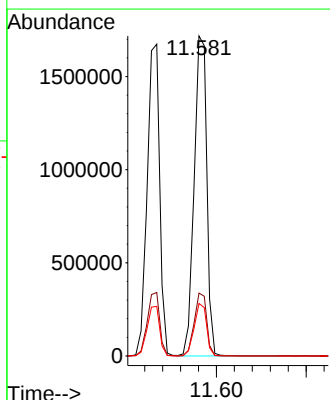
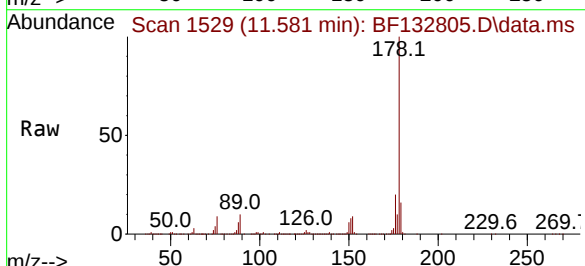
Tgt Ion:178 Resp: 1678378

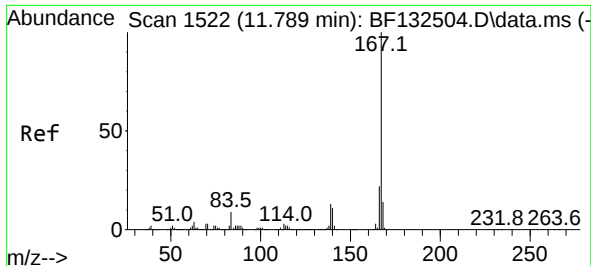
Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

179 16.4 12.5 18.7

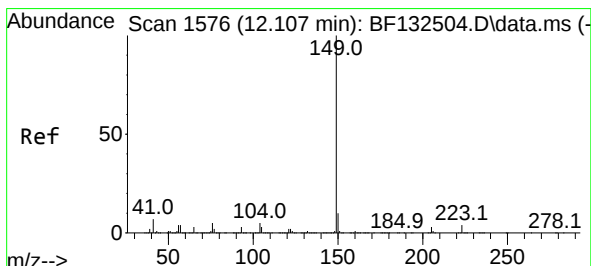
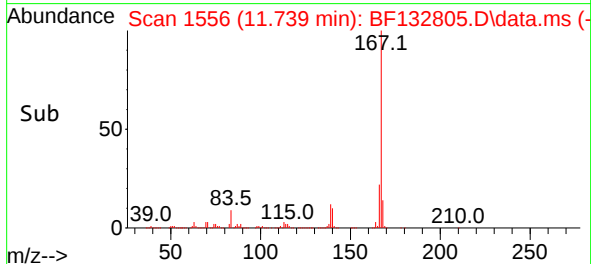
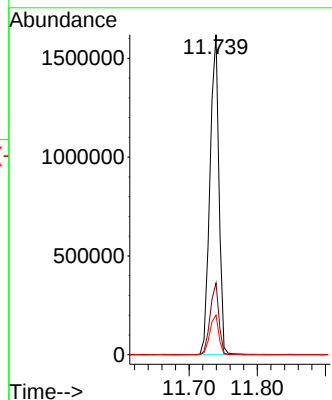
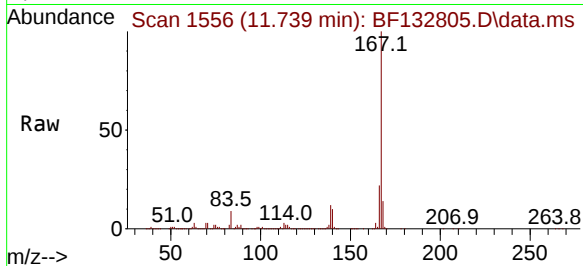




#73
 Carbazole
 Concen: 38.115 ng
 RT: 11.739 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF132805.D
 Acq: 15 Mar 2023 16:13

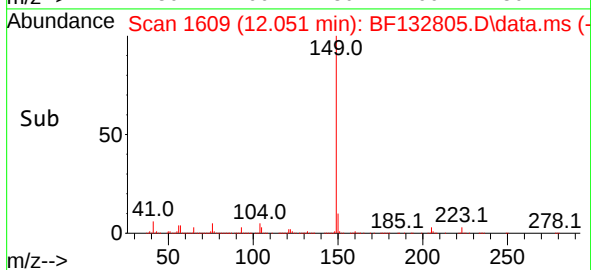
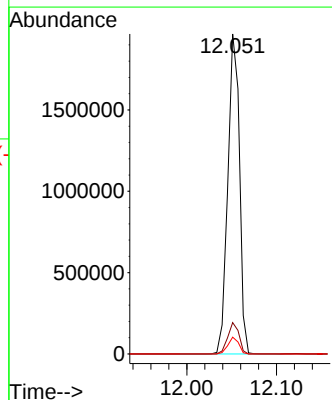
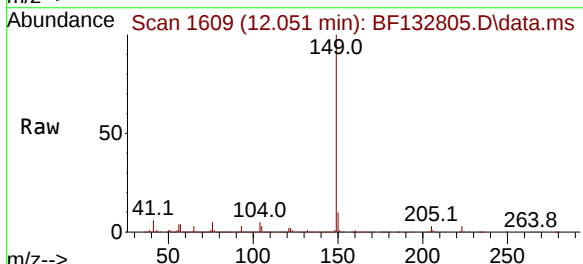
Instrument :
 BNA_F
 ClientSampleId :
 HILLBOR-DRUMS-0314

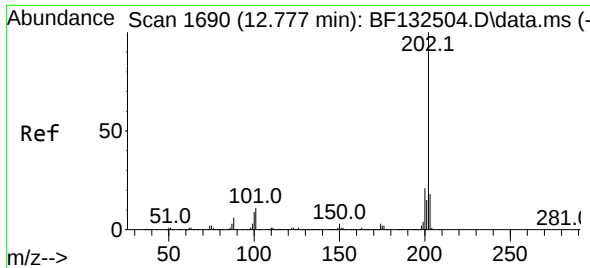
Tgt Ion:167 Resp: 1486258
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.7 26.5
 139 12.3 10.5 15.7



#74
 Di-n-butylphthalate
 Concen: 38.715 ng
 RT: 12.051 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF132805.D
 Acq: 15 Mar 2023 16:13

Tgt Ion:149 Resp: 1770876
 Ion Ratio Lower Upper
 149 100
 150 9.8 7.8 11.8
 104 5.3 4.3 6.5

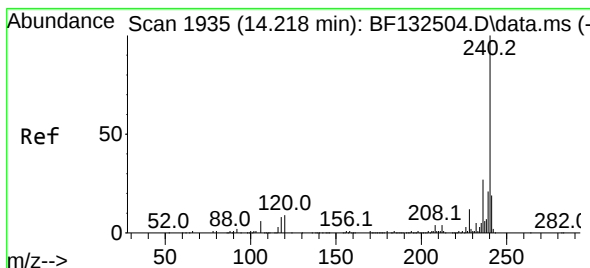
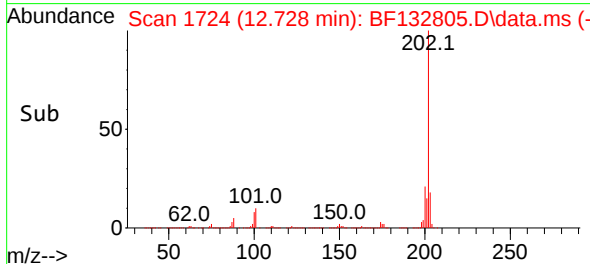
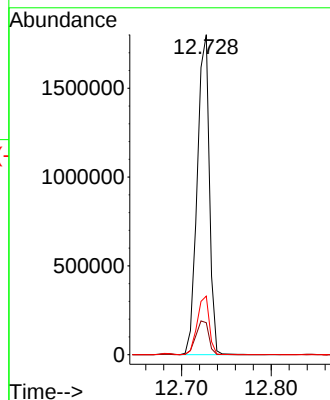
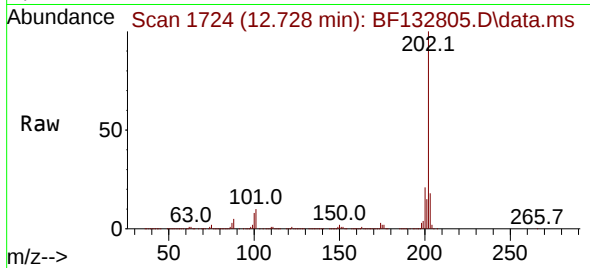




#75
Fluoranthene
Concen: 36.731 ng
RT: 12.728 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

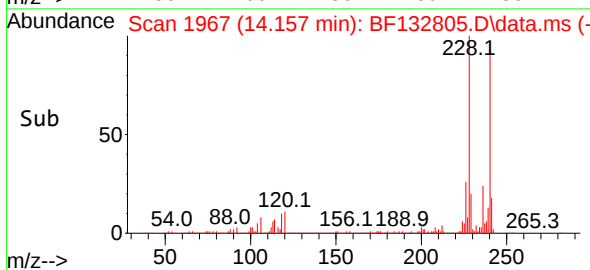
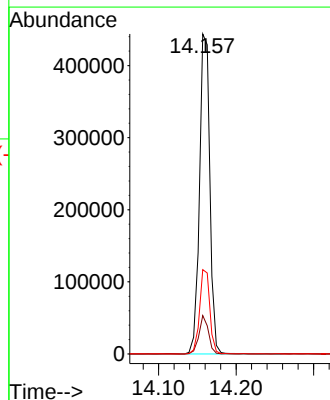
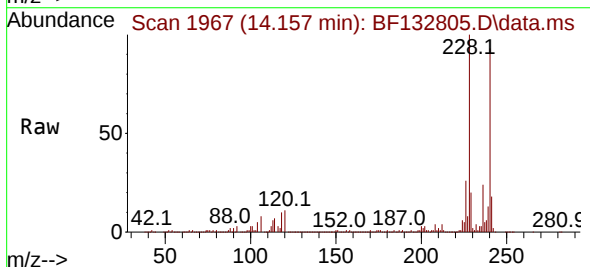
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

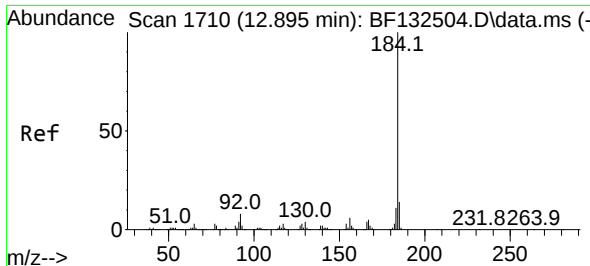
Tgt Ion:202 Resp: 1686487
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.4
203 18.3 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:240 Resp: 411440
Ion Ratio Lower Upper
240 100
120 12.0 7.2 10.8#
236 26.4 21.8 32.6

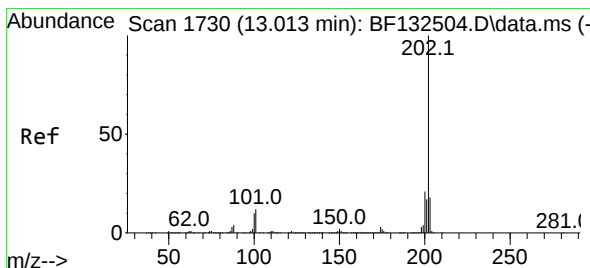
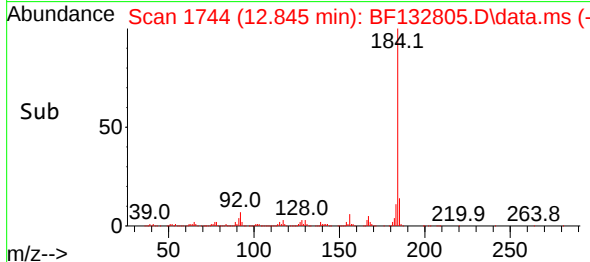
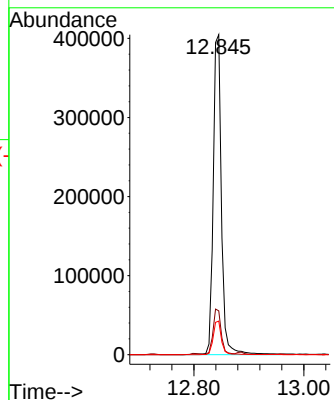
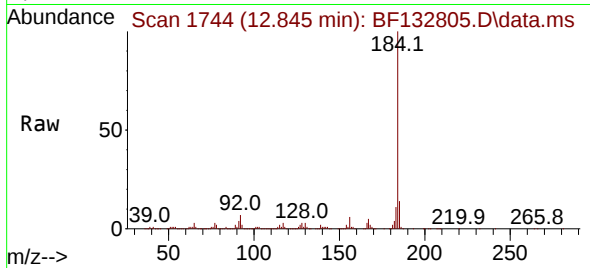




#77
Benzidine
Concen: 41.786 ng
RT: 12.845 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

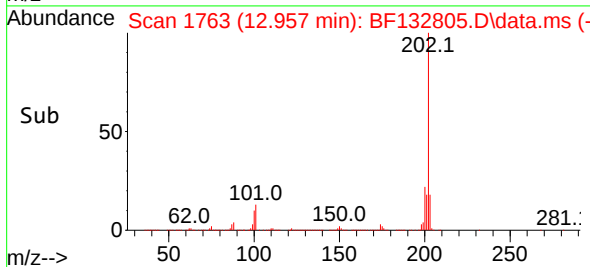
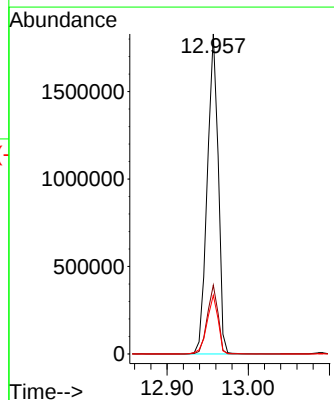
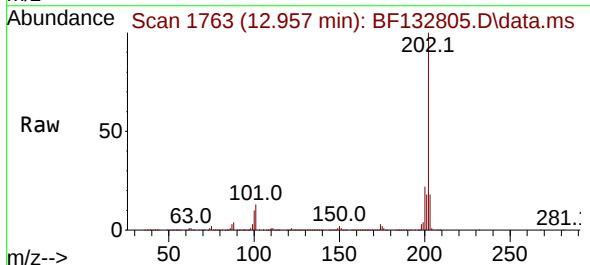
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

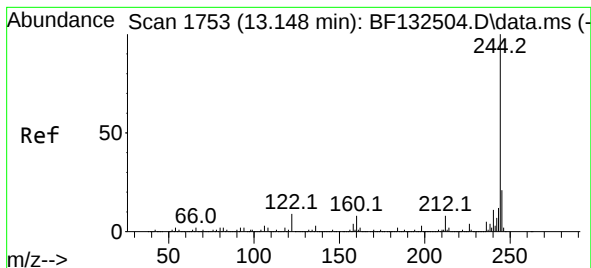
Tgt Ion:184 Resp: 418515
Ion Ratio Lower Upper
184 100
185 13.7 11.7 17.5
183 10.5 8.7 13.1



#78
Pyrene
Concen: 45.525 ng
RT: 12.957 min Scan# 1763
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:202 Resp: 1702965
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 18.3 14.6 21.8





#79

Terphenyl-d14

Concen: 72.672 ng

RT: 13.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

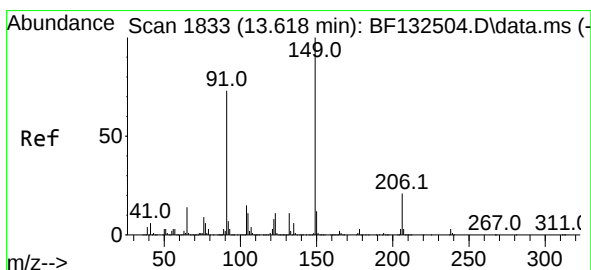
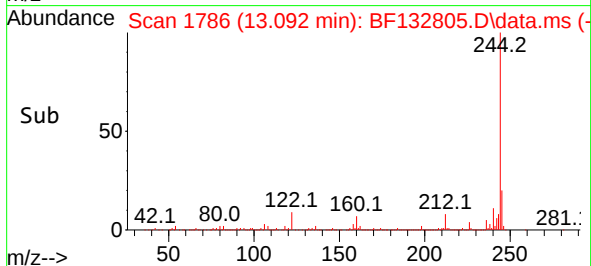
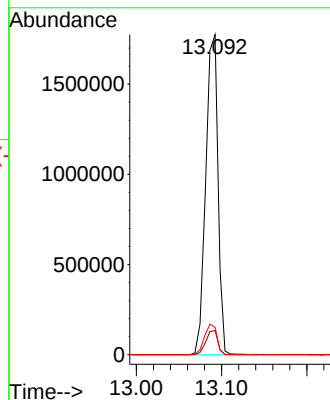
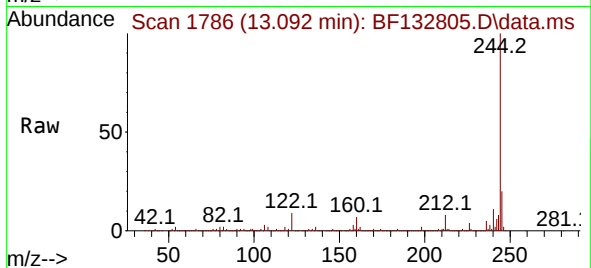
Tgt Ion:244 Resp: 1768460

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

122 8.5 7.5 11.3



#80

Butylbenzylphthalate

Concen: 41.088 ng

RT: 13.563 min Scan# 1866

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

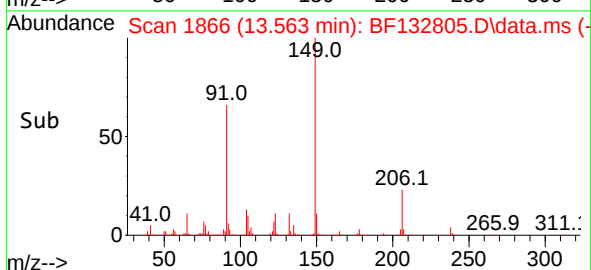
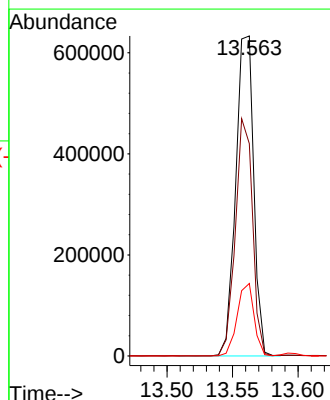
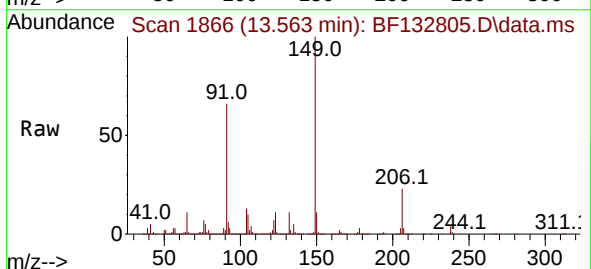
Tgt Ion:149 Resp: 606525

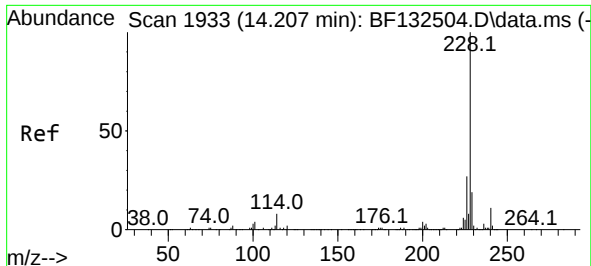
Ion Ratio Lower Upper

149 100

91 66.4 58.4 87.6

206 22.7 16.8 25.2

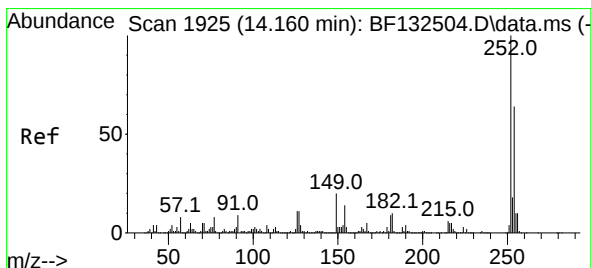
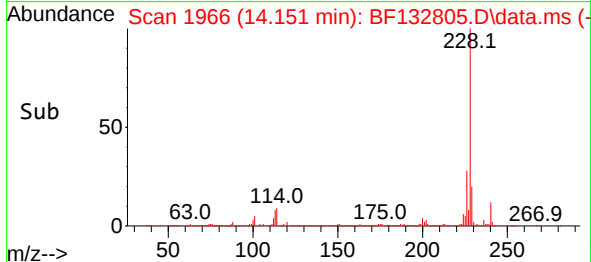
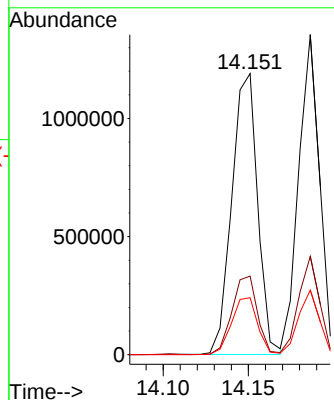
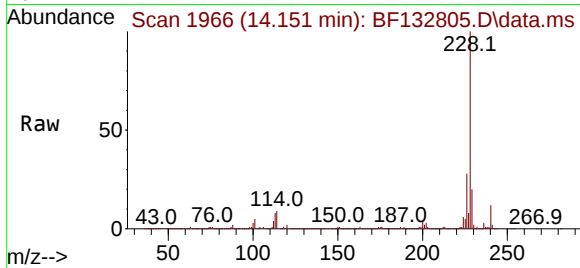




#81
Benzo(a)anthracene
Concen: 40.744 ng
RT: 14.151 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

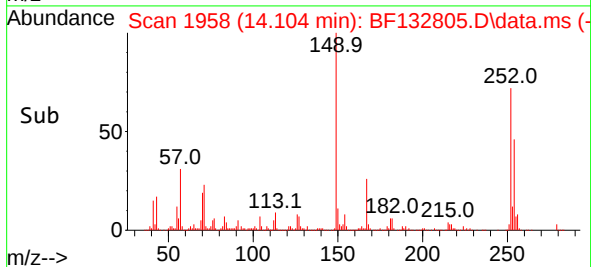
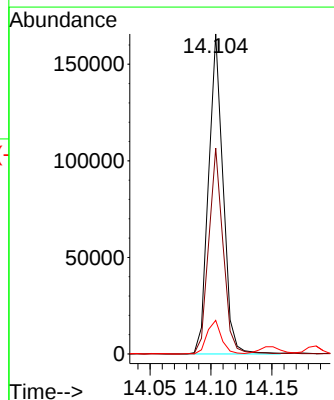
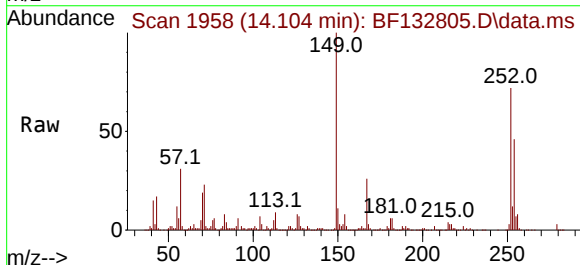
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

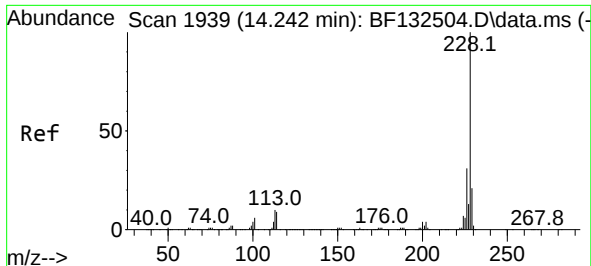
Tgt Ion:228 Resp: 1254311
Ion Ratio Lower Upper
228 100
226 28.0 21.7 32.5
229 20.3 15.4 23.2



#82
3,3'-Dichlorobenzidine
Concen: 15.112 ng
RT: 14.104 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:252 Resp: 137152
Ion Ratio Lower Upper
252 100
254 64.4 51.4 77.2
126 10.5 8.9 13.3

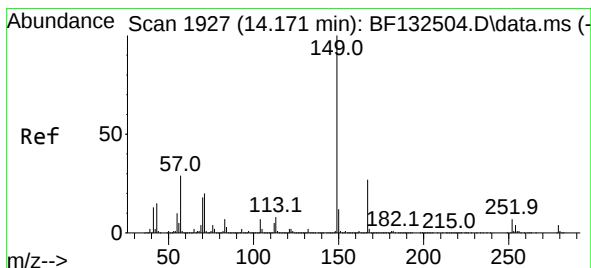
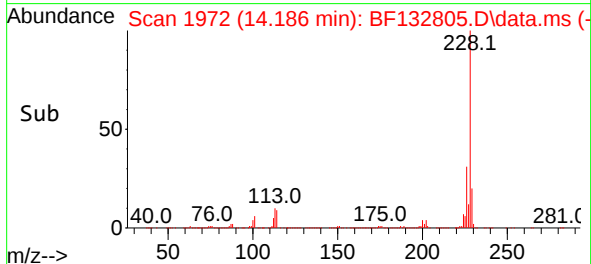
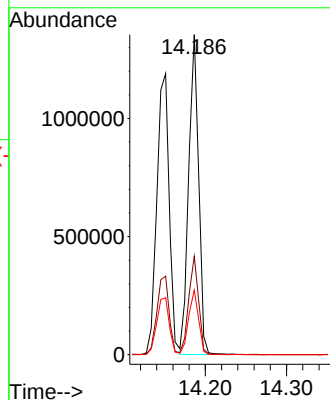
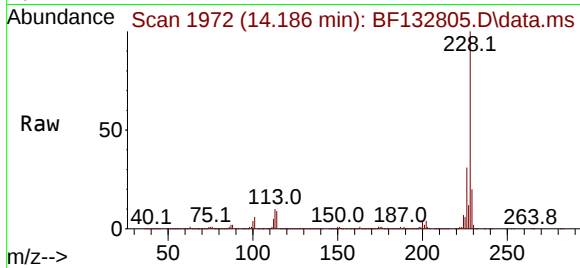




#83
Chrysene
Concen: 40.086 ng
RT: 14.186 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

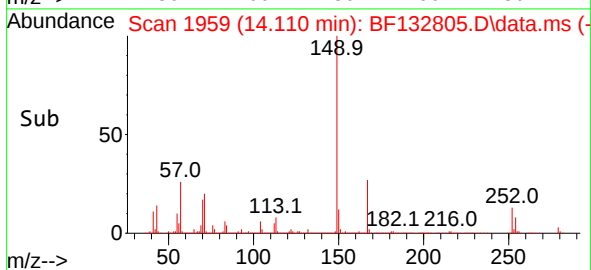
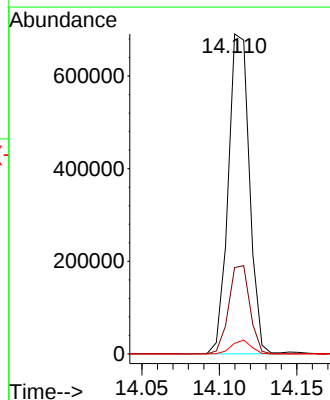
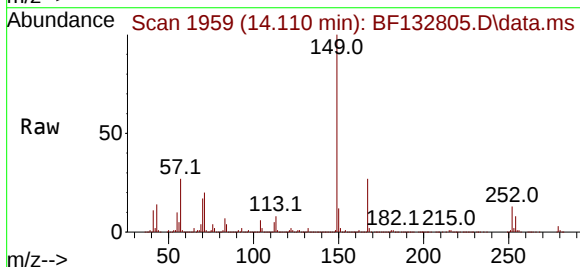
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

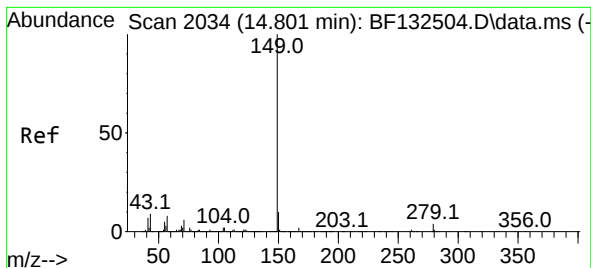
Tgt Ion:228 Resp: 1153969
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 20.2 16.4 24.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 36.244 ng
RT: 14.110 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:149 Resp: 657243
Ion Ratio Lower Upper
149 100
167 27.0 21.8 32.6
279 3.3 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 40.016 ng

RT: 14.733 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

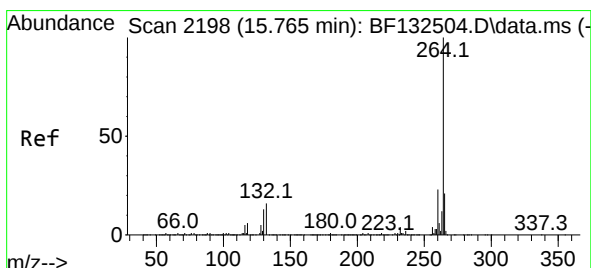
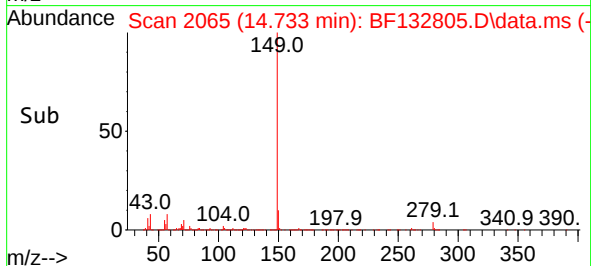
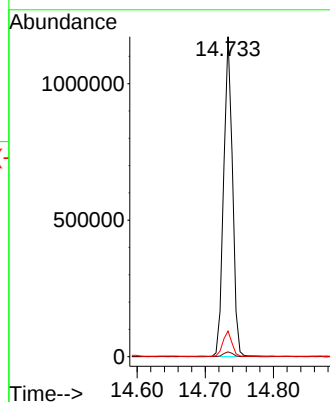
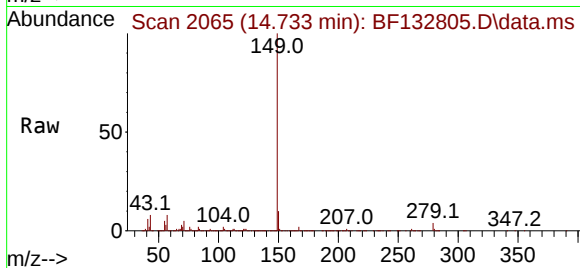
Tgt Ion:149 Resp: 1060381

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 7.8 7.2 10.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.686 min Scan# 2227

Delta R.T. -0.006 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

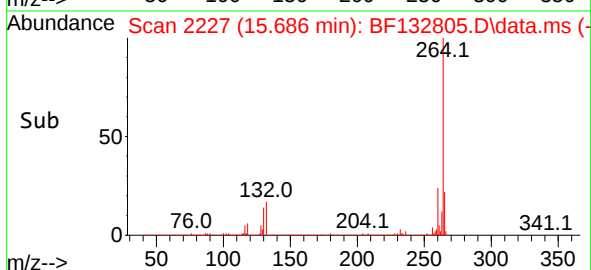
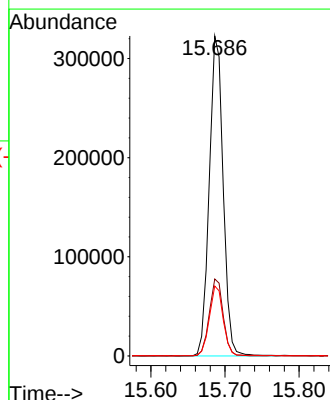
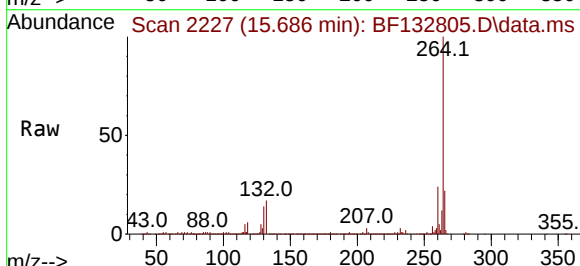
Tgt Ion:264 Resp: 420164

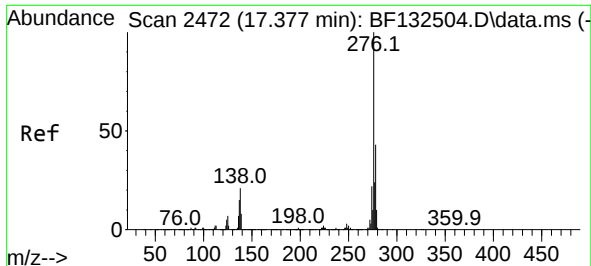
Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 21.9 17.1 25.7

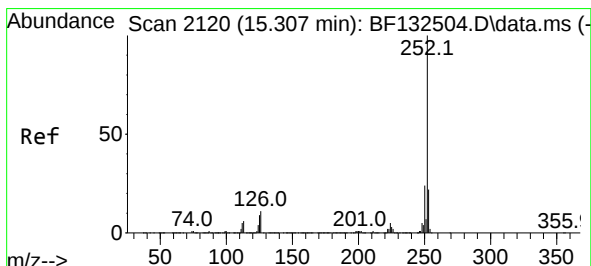
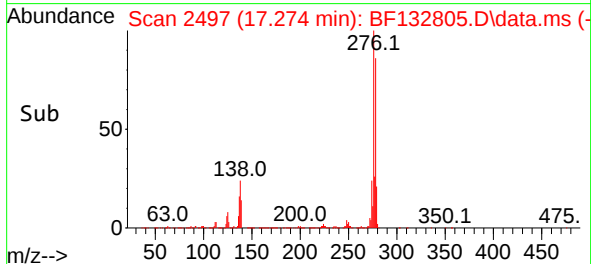
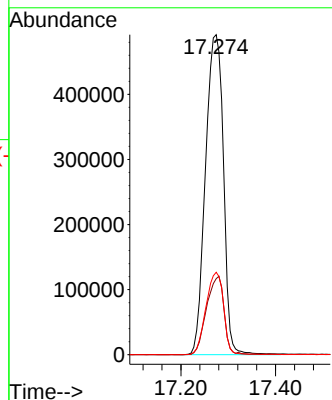
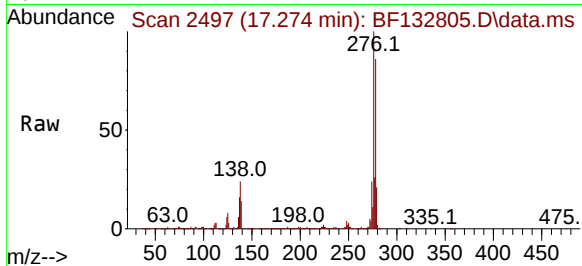




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.029 ng
RT: 17.274 min Scan# 2472
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

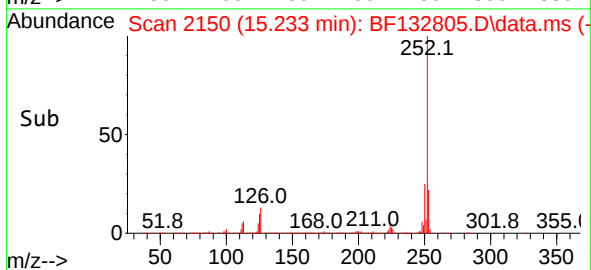
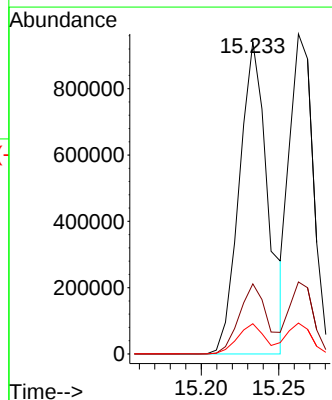
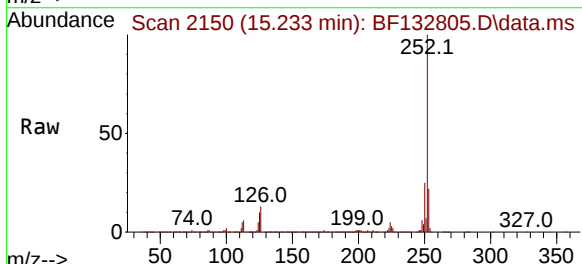
Instrument :
BNA_F
ClientSampleId :
HILLBOR-DRUMS-0314

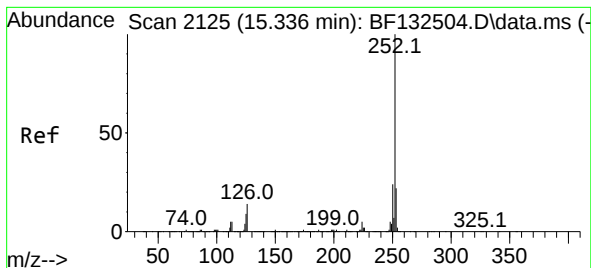
Tgt Ion:276 Resp: 1294758
Ion Ratio Lower Upper
276 100
138 24.0 19.0 28.4
277 25.1 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 42.706 ng
RT: 15.233 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BF132805.D
Acq: 15 Mar 2023 16:13

Tgt Ion:252 Resp: 1202473
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 9.7 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 37.314 ng

RT: 15.263 min Scan# 2115

Delta R.T. -0.006 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

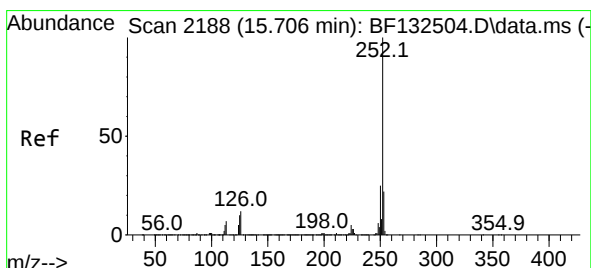
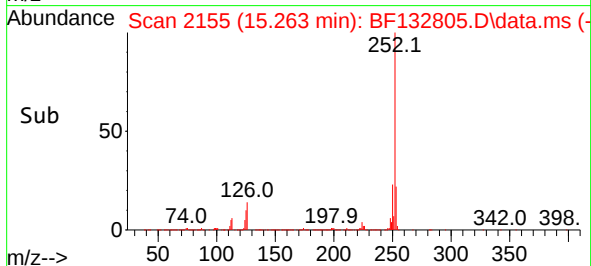
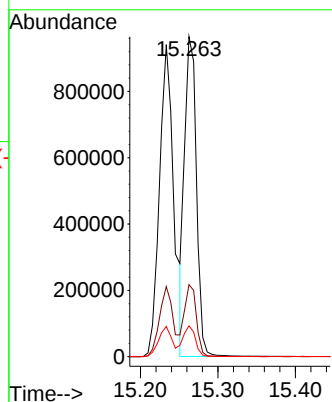
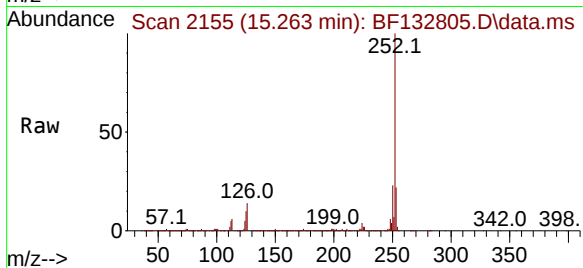
Tgt Ion:252 Resp: 1028273

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 9.6 7.2 10.8



#90

Benzo(a)pyrene

Concen: 38.944 ng

RT: 15.627 min Scan# 2217

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

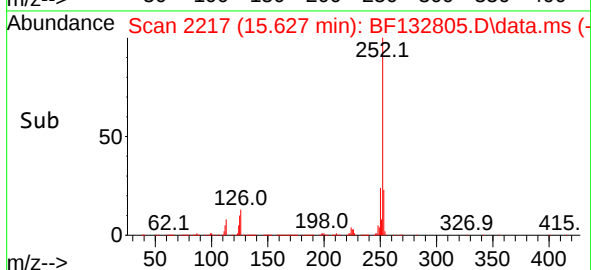
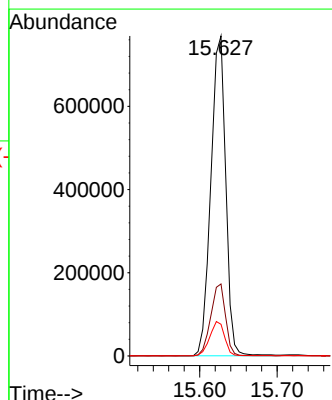
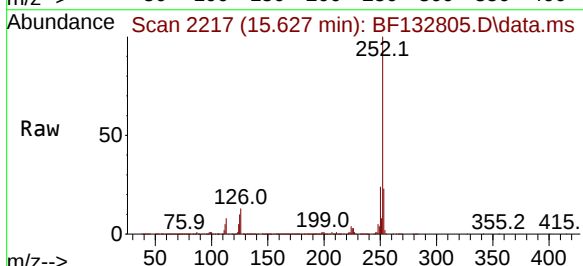
Tgt Ion:252 Resp: 1026289

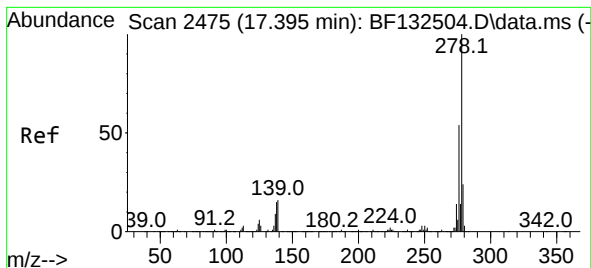
Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 9.9 8.0 12.0





#91

Dibenzo(a,h)anthracene

Concen: 46.243 ng

RT: 17.286 min Scan# 2475

Delta R.T. 0.000 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Instrument :

BNA_F

ClientSampleId :

HILLBOR-DRUMS-0314

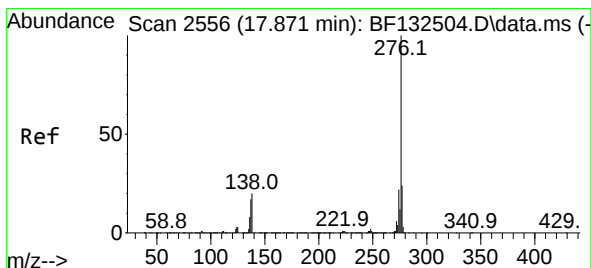
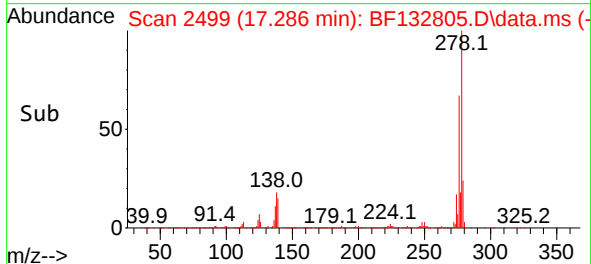
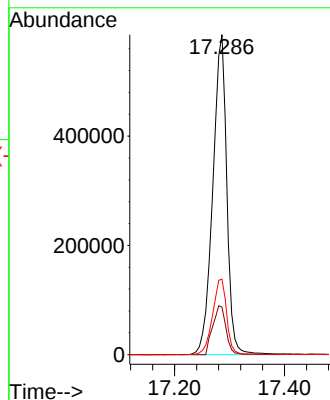
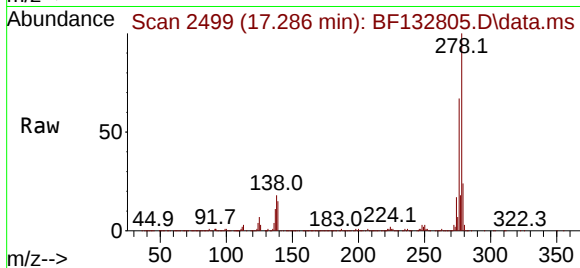
Tgt Ion:278 Resp: 1037290

Ion Ratio Lower Upper

278 100

139 14.8 13.0 19.4

279 23.6 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 44.304 ng

RT: 17.751 min Scan# 2578

Delta R.T. -0.006 min

Lab File: BF132805.D

Acq: 15 Mar 2023 16:13

Tgt Ion:276 Resp: 1119856

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 21.1 16.2 24.4

