

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
 Data File : BF132050.D
 Acq On : 12 Jan 2023 19:50
 Operator : CG\JU
 Sample : 01124-04MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-4MS

Quant Time: Jan 13 01:37:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 23:59:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	63032	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	208878	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	103094	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	177785	20.000	ng	0.00
76) Chrysene-d12	13.963	240	123188	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	98878	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	462245	120.840	ng	0.01
7) Phenol-d6	6.422	99	581957	114.743	ng	0.00
23) Nitrobenzene-d5	7.345	82	407584	80.986	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	122171	103.067	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	637687	83.502	ng	0.00
79) Terphenyl-d14	12.904	244	599337	69.732	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	71927	43.053	ng	99
3) Pyridine	3.222	79	199940	42.641	ng	100
4) n-Nitrosodimethylamine	3.193	42	102341	46.442	ng	95
6) Aniline	6.434	93	138434	20.745	ng	# 1
8) 2-Chlorophenol	6.563	128	178250	46.444	ng	96
9) Benzaldehyde	6.322	77	109657	32.493	ng	99
10) Phenol	6.434	94	242936	42.938	ng	99
11) bis(2-Chloroethyl)ether	6.510	93	190081	44.567	ng	97
12) 1,3-Dichlorobenzene	6.710	146	202305	47.325	ng	99
13) 1,4-Dichlorobenzene	6.793	146	200882	46.444	ng	98
14) 1,2-Dichlorobenzene	6.940	146	190348	46.337	ng	97
15) Benzyl Alcohol	6.928	79	192631	43.615	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.051	45	237191	44.067	ng	# 41
17) 2-Methylphenol	7.045	107	155516	40.946	ng	92
18) Hexachloroethane	7.281	117	78101	43.663	ng	99
19) n-Nitroso-di-n-propyla...	7.198	70	153931	41.956	ng	96
20) 3+4-Methylphenols	7.198	107	199403	40.894	ng	# 84
22) Acetophenone	7.192	105	293713	48.295	ng	# 92
24) Nitrobenzene	7.369	77	236252	46.110	ng	99
25) Isophorone	7.604	82	407744	43.368	ng	97
26) 2-Nitrophenol	7.681	139	91687	45.480	ng	97
27) 2,4-Dimethylphenol	7.728	122	155465	46.200	ng	100
28) bis(2-Chloroethoxy)met...	7.816	93	230983	44.389	ng	98
29) 2,4-Dichlorophenol	7.934	162	149198	43.287	ng	98
30) 1,2,4-Trichlorobenzene	8.004	180	181811	46.058	ng	99
31) Naphthalene	8.087	128	492126	44.582	ng	100
32) Benzoic acid	7.869	122	66469	34.071	ng	95
33) 4-Chloroaniline	8.140	127	47837	10.502	ng	96
34) Hexachlorobutadiene	8.198	225	125462	45.842	ng	98
35) Caprolactam	8.522	113	31435	31.053	ng	97
36) 4-Chloro-3-methylphenol	8.639	107	161459	39.912	ng	98
37) 2-Methylnaphthalene	8.781	142	321479	40.550	ng	100
38) 1-Methylnaphthalene	8.881	142	295601	40.244	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	179045	49.285	ng	98
41) Hexachlorocyclopentadiene	8.922	237	33927	24.704	ng	99
43) 2,4,6-Trichlorophenol	9.063	196	103121	47.159	ng	99

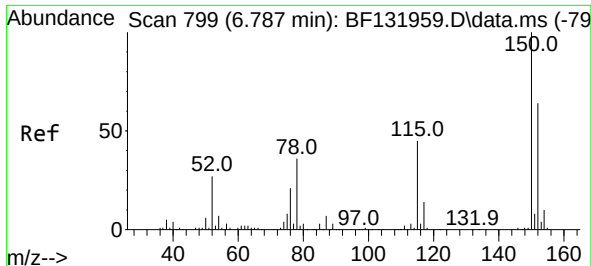
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 QLast Update : Thu Jan 12 23:59:08 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	106752	41.934	ng	97
46) 1,1'-Biphenyl	9.245	154	385086	48.395	ng	98
47) 2-Chloronaphthalene	9.269	162	299915	48.562	ng	99
48) 2-Nitroaniline	9.375	65	103097	45.960	ng	97
49) Acenaphthylene	9.686	152	434931	45.382	ng	99
50) Dimethylphthalate	9.551	163	370331	46.084	ng	100
51) 2,6-Dinitrotoluene	9.616	165	73605	43.549	ng	# 80
52) Acenaphthene	9.857	154	265344	46.124	ng	99
53) 3-Nitroaniline	9.786	138	44559	27.174	ng	87
54) 2,4-Dinitrophenol	9.904	184	19256	22.691	ng	99
55) Dibenzofuran	10.028	168	393613	43.406	ng	96
56) 4-Nitrophenol	9.969	139	76867	83.223	ng	94
57) 2,4-Dinitrotoluene	10.028	165	94638	41.880	ng	98
58) Fluorene	10.375	166	320785	44.283	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	77640	40.931	ng	92
60) Diethylphthalate	10.251	149	342216	43.308	ng	98
61) 4-Chlorophenyl-phenyle...	10.363	204	168989	40.751	ng	94
62) 4-Nitroaniline	10.404	138	51552	34.963	ng	93
63) Azobenzene	10.528	77	422168	50.364	ng	97
65) 4,6-Dinitro-2-methylph...	10.433	198	18056	15.749	ng	# 76
66) n-Nitrosodiphenylamine	10.486	169	253619	45.470	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	97331	43.763	ng	96
68) Hexachlorobenzene	10.922	284	101149	44.959	ng	99
69) Atrazine	11.022	200	92432	45.570	ng	96
70) Pentachlorophenol	11.128	266	85887	72.045	ng	96
71) Phenanthrene	11.339	178	648264	69.947	ng	99
72) Anthracene	11.392	178	484391	50.769	ng	100
73) Carbazole	11.551	167	365671	46.294	ng	99
74) Di-n-butylphthalate	11.875	149	476968	43.366	ng	100
75) Fluoranthene	12.533	202	832165	79.838	ng	100
77) Benzidine	12.657	184	112010	27.369	ng	98
78) Pyrene	12.763	202	782094	69.609	ng	99
80) Butylbenzylphthalate	13.380	149	195468	43.101	ng	95
81) Benzo(a)anthracene	13.957	228	557981	62.259	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	86516	30.930	ng	100
83) Chrysene	13.992	228	507730	60.618	ng	100
84) Bis(2-ethylhexyl)phtha...	13.933	149	280349	45.629	ng	99
85) Di-n-octyl phthalate	14.551	149	442196	52.595	ng	96
87) Indeno(1,2,3-cd)pyrene	16.886	276	323664	53.373	ng	99
88) Benzo(b)fluoranthene	15.004	252	451321	66.548	ng	100
89) Benzo(k)fluoranthene	15.033	252	349938	51.702	ng	99
90) Benzo(a)pyrene	15.363	252	350737	57.400	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	238545	46.926	ng	97
92) Benzo(g,h,i)perylene	17.321	276	260602	47.886	ng	98

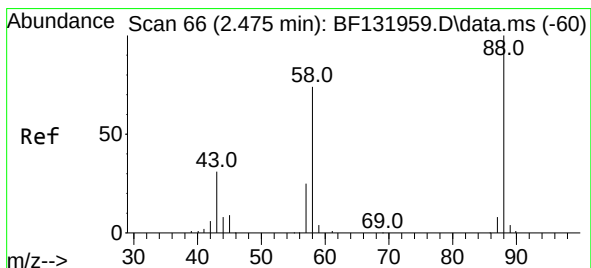
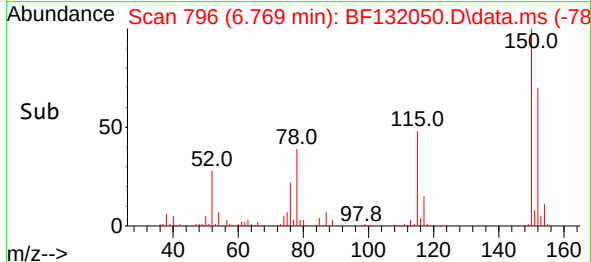
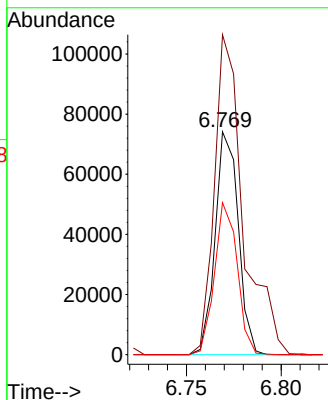
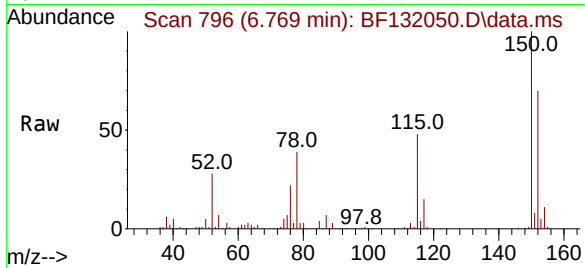
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.769 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: BF132050.D
 Acq: 12 Jan 2023 19:50

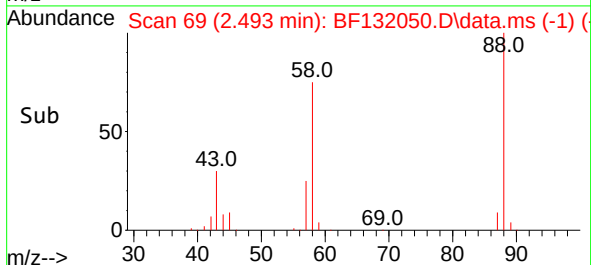
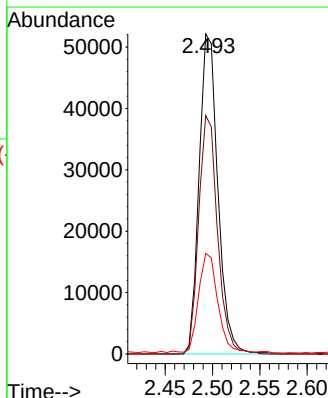
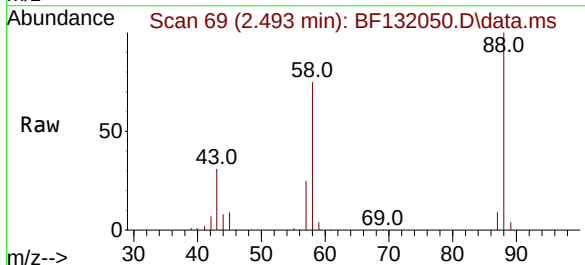
Instrument :
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 MH-4MS

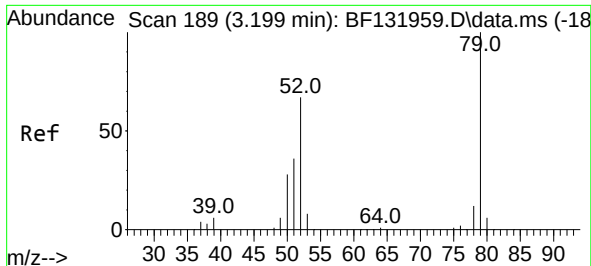
Tgt Ion:152 Resp: 63032
 Ion Ratio Lower Upper
 152 100
 150 143.6 124.6 186.8
 115 68.2 55.6 83.4



#2
 1,4-Dioxane
 Concen: 43.053 ng
 RT: 2.493 min Scan# 69
 Delta R.T. 0.059 min
 Lab File: BF132050.D
 Acq: 12 Jan 2023 19:50

Tgt Ion: 88 Resp: 71927
 Ion Ratio Lower Upper
 88 100
 58 74.5 59.0 88.4
 43 31.6 24.6 37.0





#3

Pyridine

Concen: 42.641 ng

RT: 3.222 min Scan# 193

Delta R.T. 0.065 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

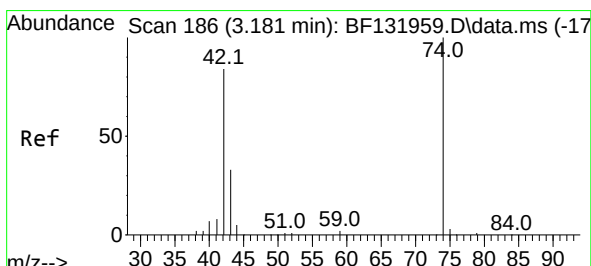
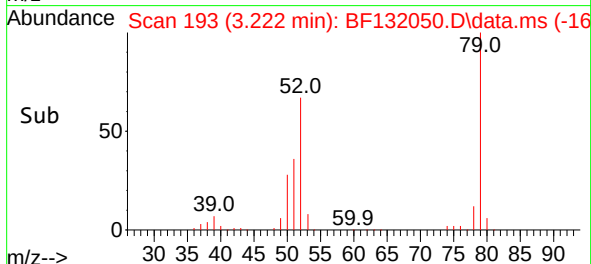
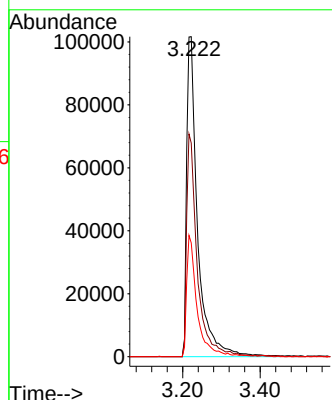
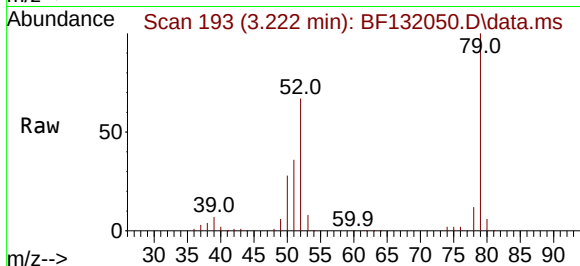
Tgt Ion: 79 Resp: 199940

Ion Ratio Lower Upper

79 100

52 66.7 53.7 80.5

51 35.6 28.6 43.0



#4

n-Nitrosodimethylamine

Concen: 46.442 ng

RT: 3.193 min Scan# 188

Delta R.T. 0.059 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

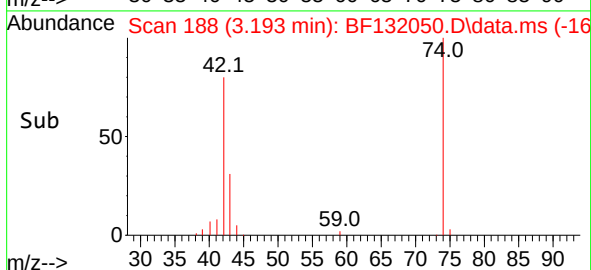
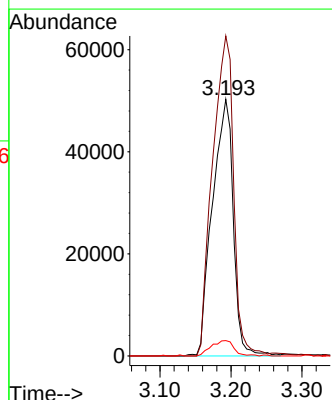
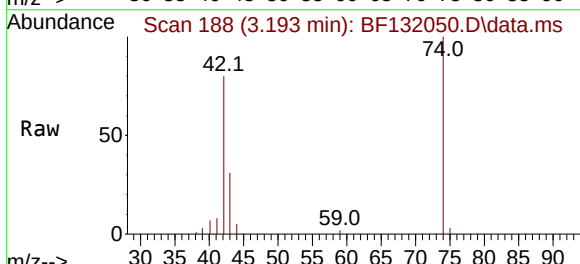
Tgt Ion: 42 Resp: 102341

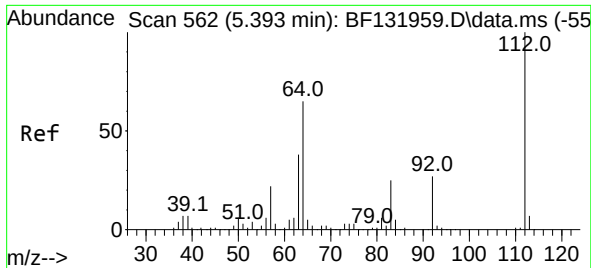
Ion Ratio Lower Upper

42 100

74 124.7 94.8 142.2

44 6.0 4.5 6.7

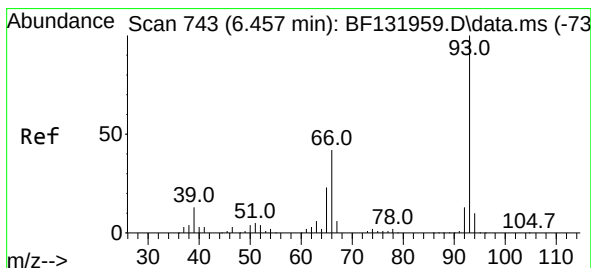
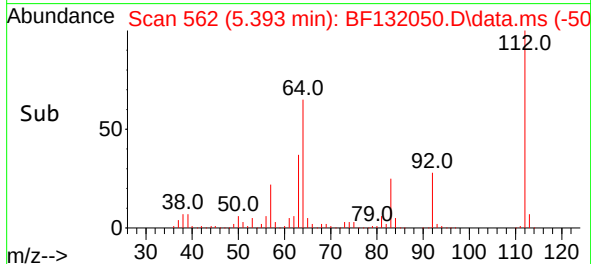
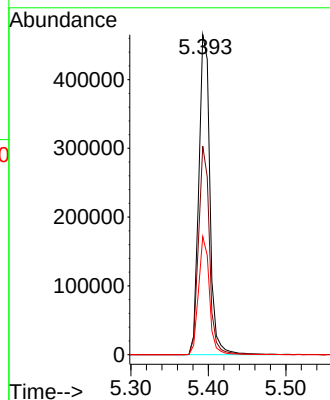
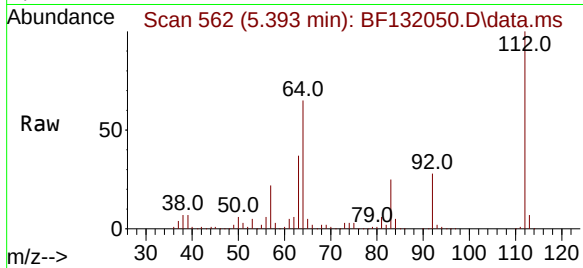




#5
2-Fluorophenol
Concen: 120.840 ng
RT: 5.393 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

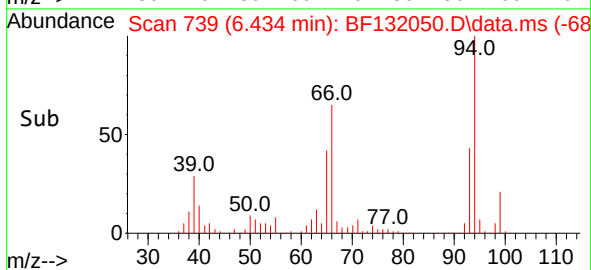
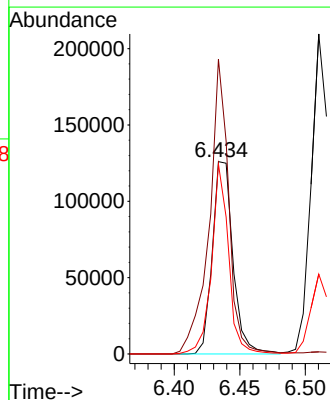
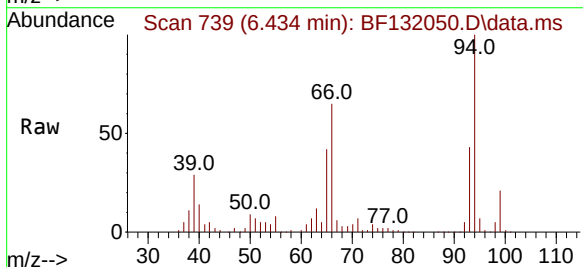
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ClientSampleId :
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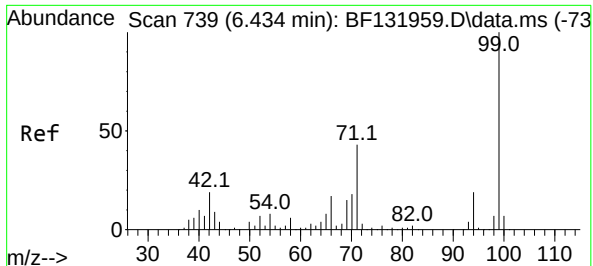
Tgt Ion:112 Resp: 462245
Ion Ratio Lower Upper
112 100
64 65.2 51.9 77.9
63 36.9 30.2 45.2



#6
Aniline
Concen: 20.745 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion: 93 Resp: 138434
Ion Ratio Lower Upper
93 100
66 153.3 34.6 51.8#
65 98.8 18.2 27.2#

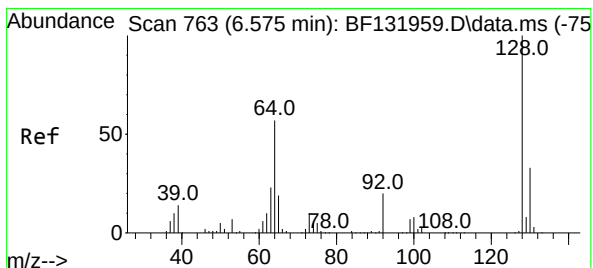
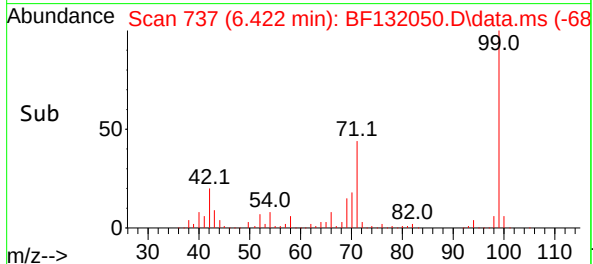
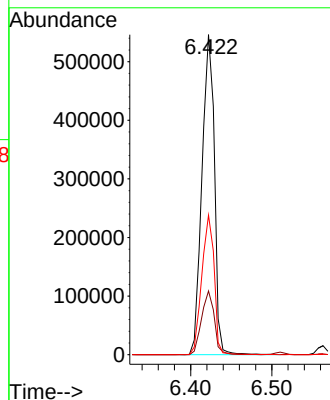
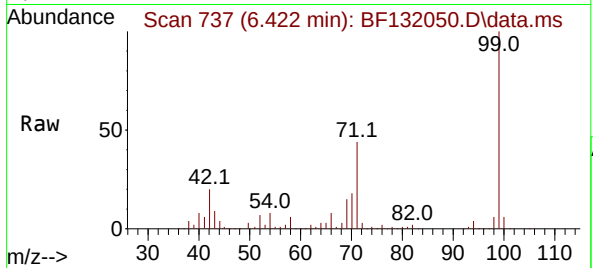




#7
Phenol-d6
Concen: 114.743 ng
RT: 6.422 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

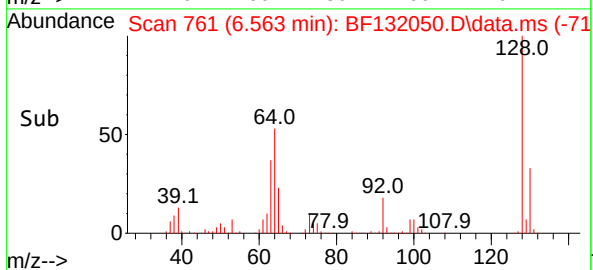
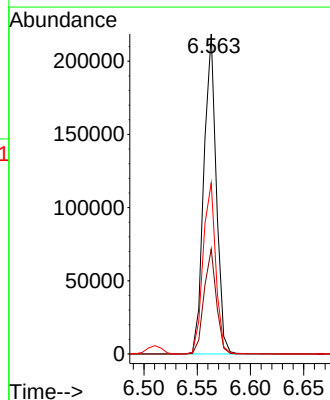
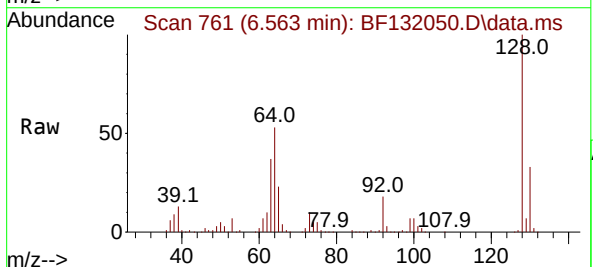
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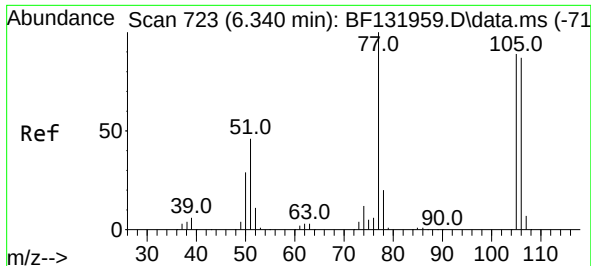
Tgt Ion: 99 Resp: 581957
Ion Ratio Lower Upper
99 100
42 19.9 15.4 23.2
71 43.6 34.6 51.8



#8
2-Chlorophenol
Concen: 46.444 ng
RT: 6.563 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion: 128 Resp: 178250
Ion Ratio Lower Upper
128 100
130 32.8 12.5 52.5
64 53.5 37.6 77.6

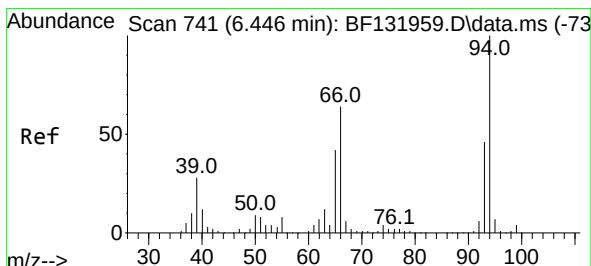
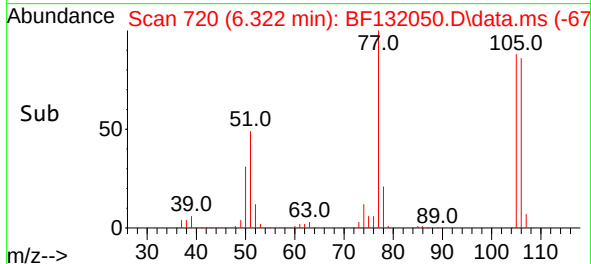
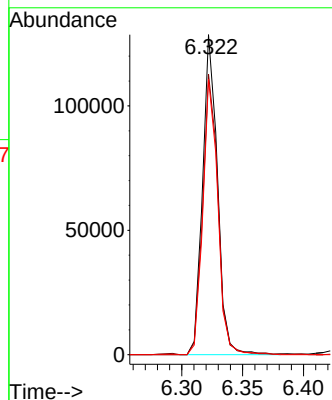
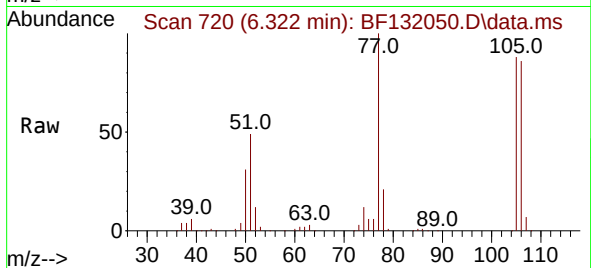




#9
Benzaldehyde
Concen: 32.493 ng
RT: 6.322 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

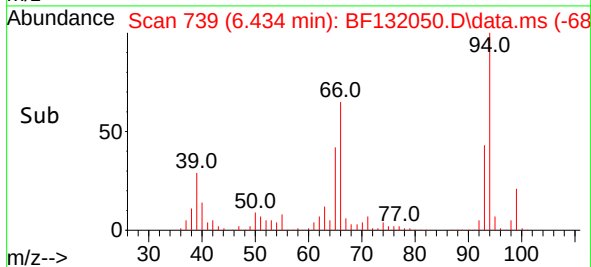
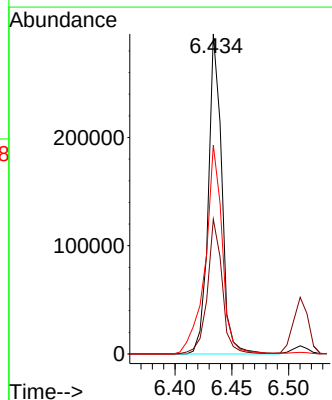
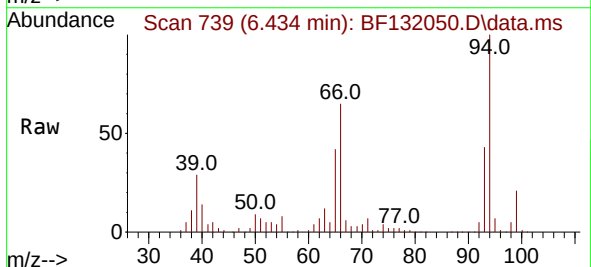
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BNA_F
ClientSampleId :
MH-4MS

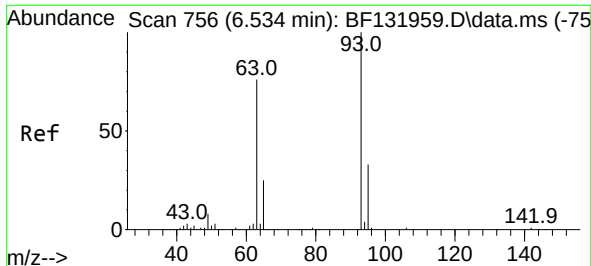
Tgt Ion: 77 Resp: 109657
Ion Ratio Lower Upper
77 100
105 87.7 69.0 109.0
106 86.1 67.0 107.0



#10
Phenol
Concen: 42.938 ng
RT: 6.434 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion: 94 Resp: 242936
Ion Ratio Lower Upper
94 100
65 42.1 22.2 62.2
66 65.3 44.4 84.4

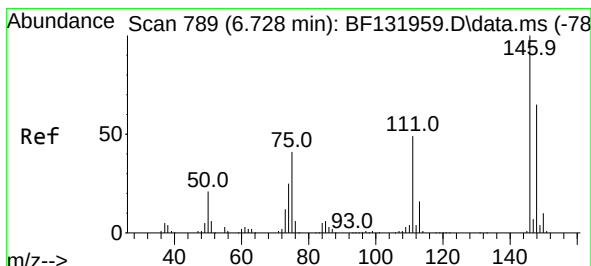
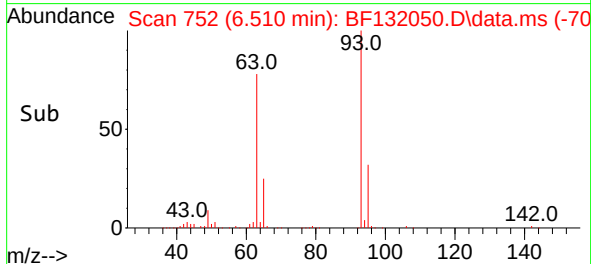
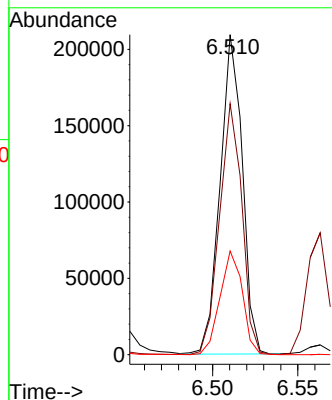
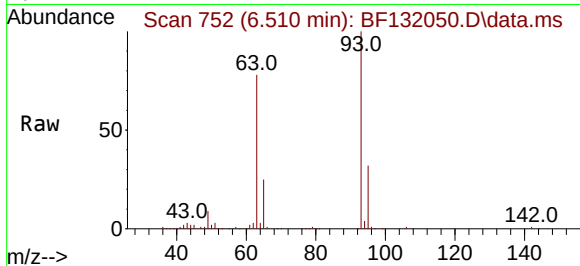




#11
bis(2-Chloroethyl)ether
Concen: 44.567 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

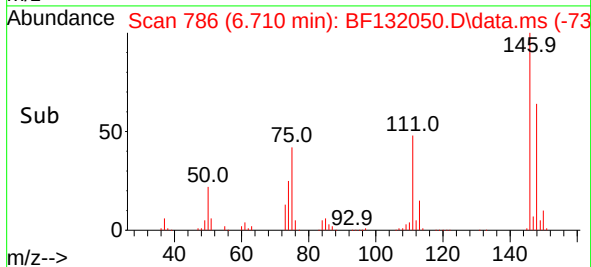
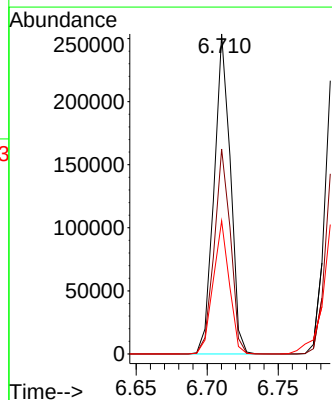
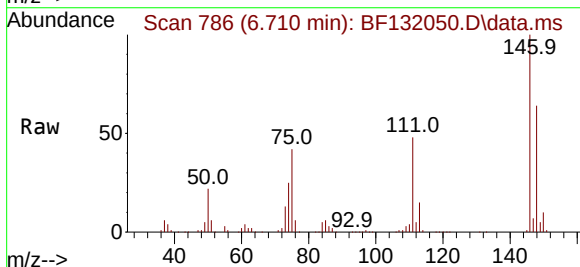
Instrument :
BNA_F
ClientSampleId :
MH-4MS

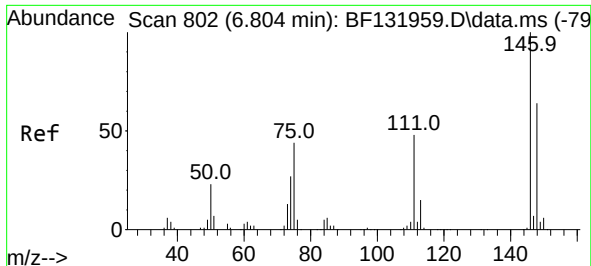
Tgt Ion: 93 Resp: 190081
Ion Ratio Lower Upper
93 100
63 78.4 55.5 95.5
95 32.4 13.1 53.1



#12
1,3-Dichlorobenzene
Concen: 47.325 ng
RT: 6.710 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion: 146 Resp: 202305
Ion Ratio Lower Upper
146 100
148 64.1 51.7 77.5
75 41.6 32.7 49.1





#13

1,4-Dichlorobenzene

Concen: 46.444 ng

RT: 6.793 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

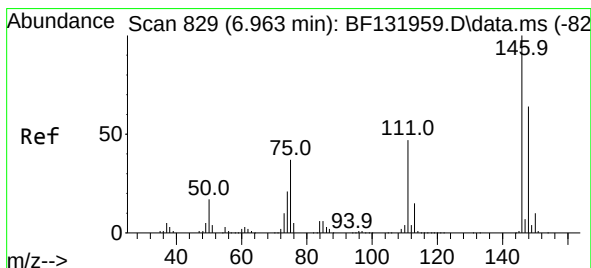
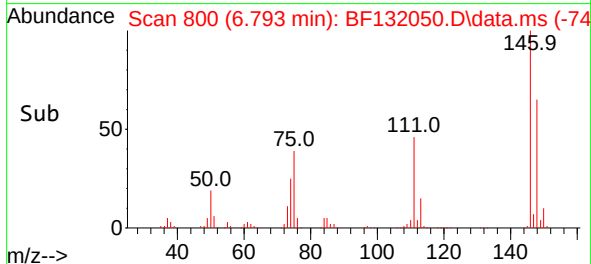
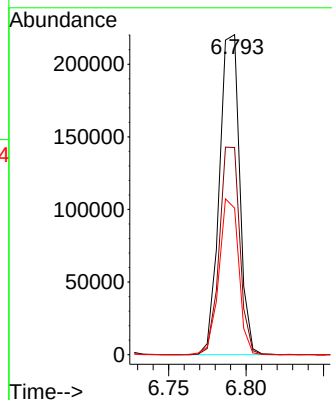
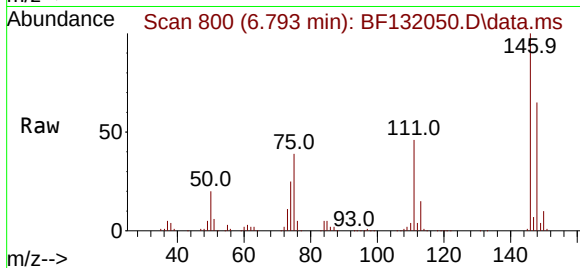
Tgt Ion:146 Resp: 200882

Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.6

111 45.8 38.5 57.7



#14

1,2-Dichlorobenzene

Concen: 46.337 ng

RT: 6.940 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

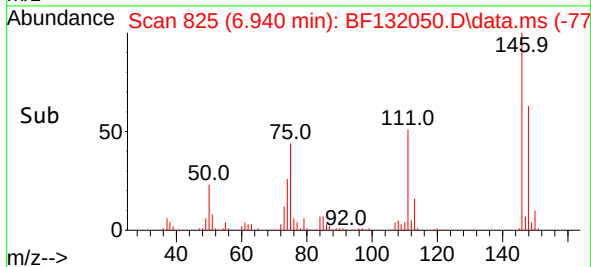
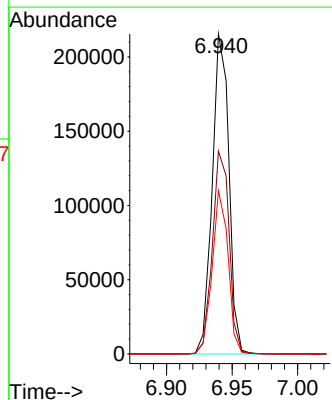
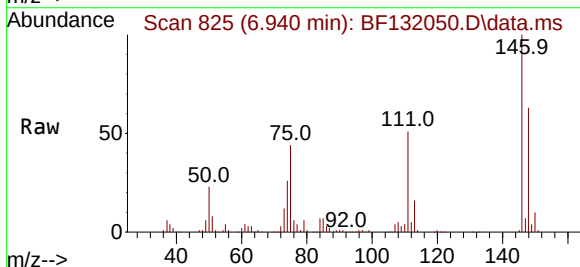
Tgt Ion:146 Resp: 190348

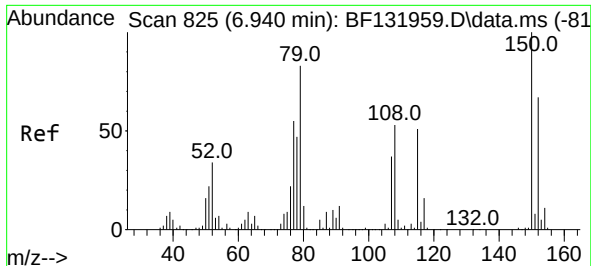
Ion Ratio Lower Upper

146 100

148 63.4 51.4 77.0

111 51.0 37.7 56.5

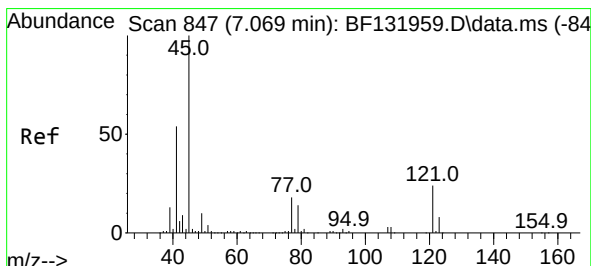
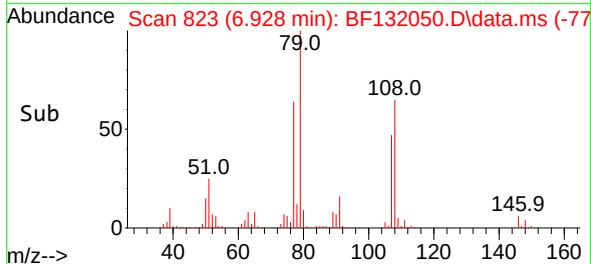
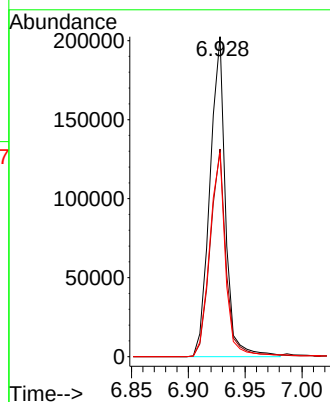
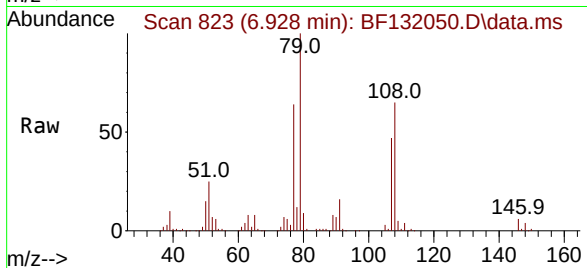




#15
Benzyl Alcohol
Concen: 43.615 ng
RT: 6.928 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

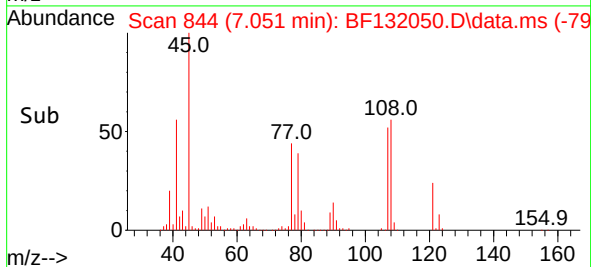
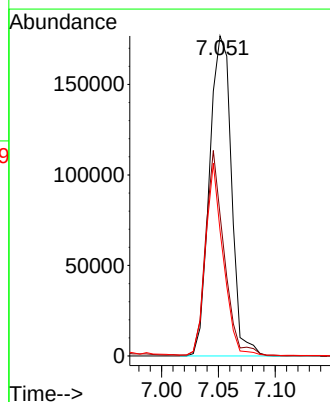
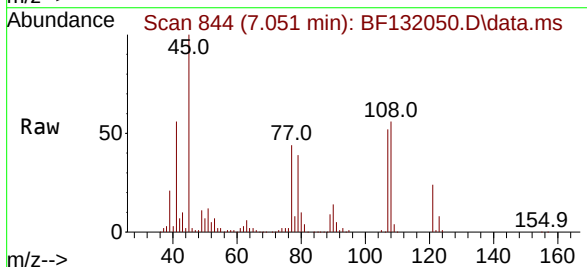
Instrument :
BNA_F
ClientSampleId :
MH-4MS

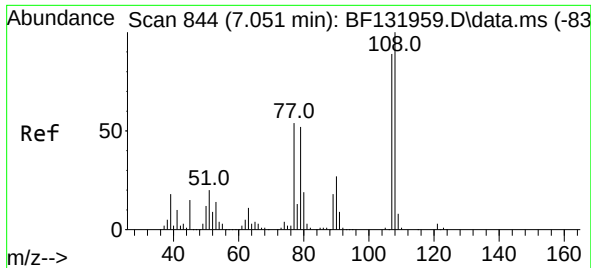
Tgt Ion: 79 Resp: 192631
Ion Ratio Lower Upper
79 100
108 64.9 51.7 77.5
77 63.7 52.9 79.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.067 ng
RT: 7.051 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion: 45 Resp: 237191
Ion Ratio Lower Upper
45 100
77 44.1 0.0 38.1#
79 39.1 0.0 34.6#

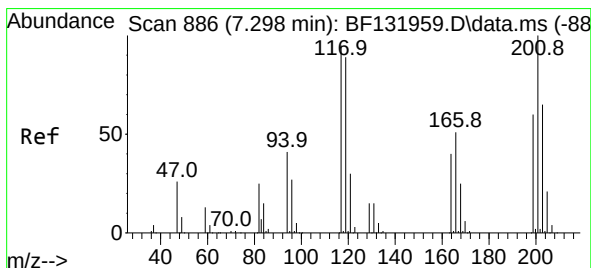
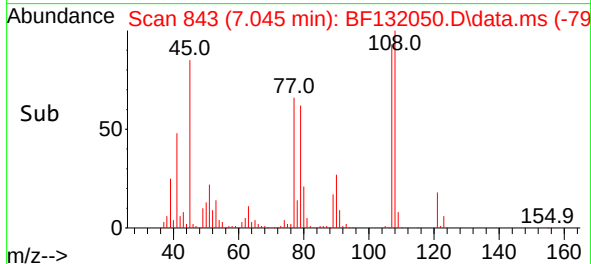
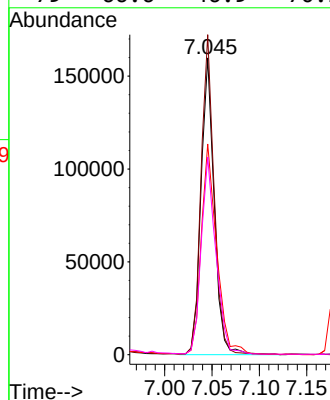
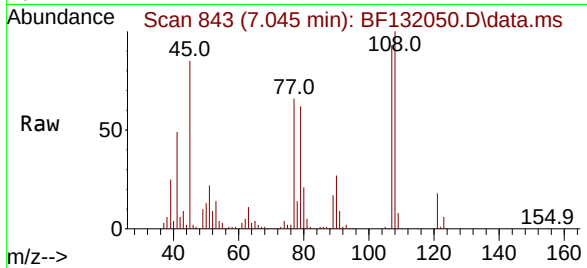




#17
2-Methylphenol
Concen: 40.946 ng
RT: 7.045 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

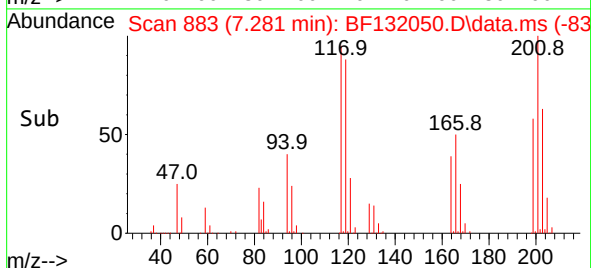
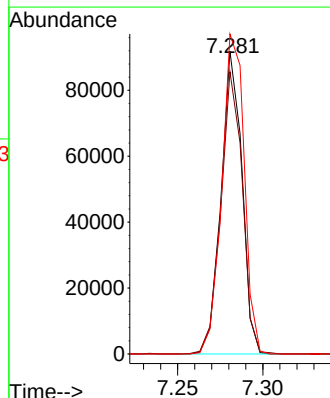
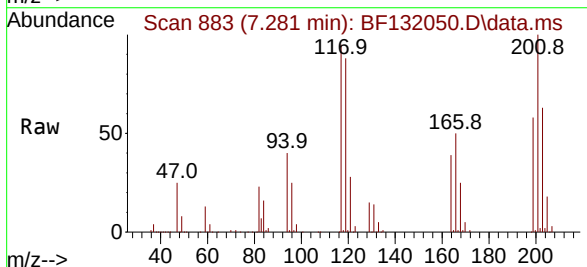
Instrument :
BNA_F
ClientSampleId :
MH-4MS

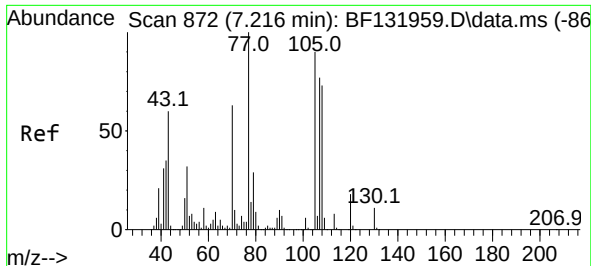
Tgt Ion:	107	Resp:	155516
Ion	Ratio	Lower	Upper
107	100		
108	107.8	90.0	135.0
77	71.0	48.8	73.2
79	66.6	46.9	70.3



#18
Hexachloroethane
Concen: 43.663 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:	117	Resp:	78101
Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.4	113.0
201	105.7	84.2	126.4





#19

n-Nitroso-di-n-propylamine

Concen: 41.956 ng

RT: 7.198 min Scan# 869

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

Tgt Ion: 70 Resp: 153931

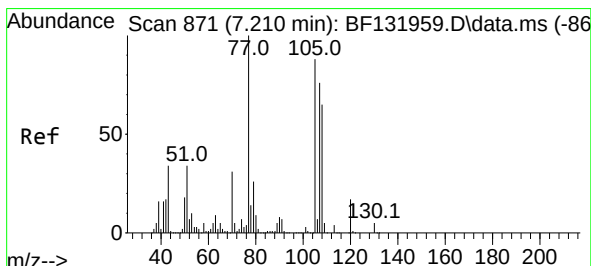
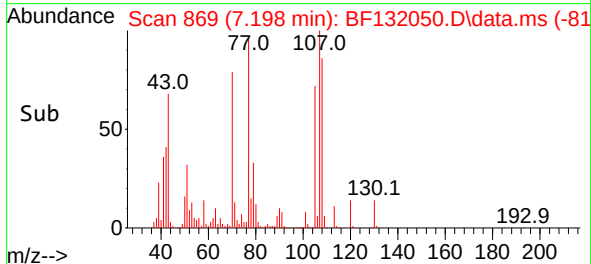
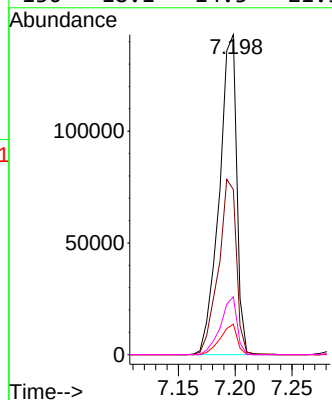
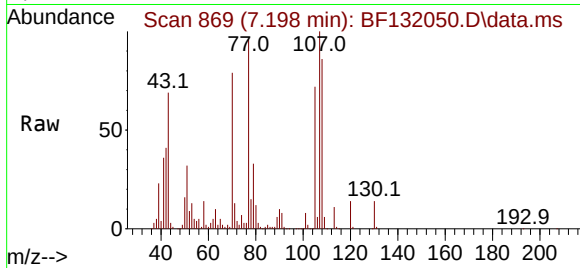
Ion Ratio Lower Upper

70 100

42 51.6 44.3 66.5

101 9.5 7.5 11.3

130 18.1 14.3 21.5



#20

3+4-Methylphenols

Concen: 40.894 ng

RT: 7.198 min Scan# 869

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Tgt Ion: 107 Resp: 199403

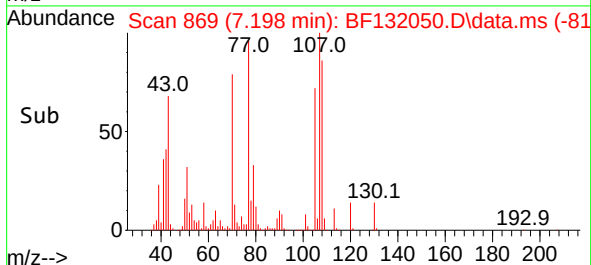
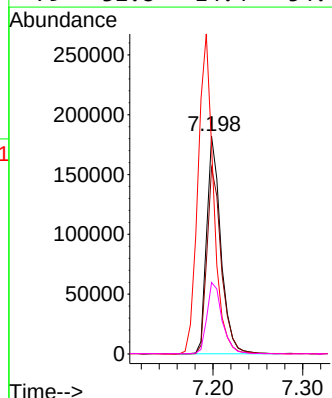
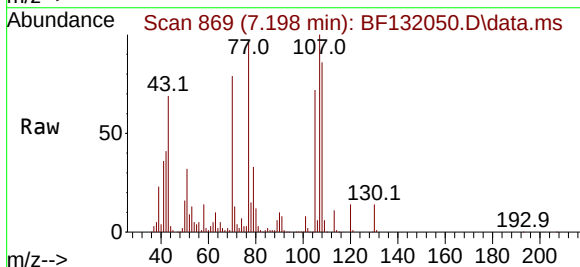
Ion Ratio Lower Upper

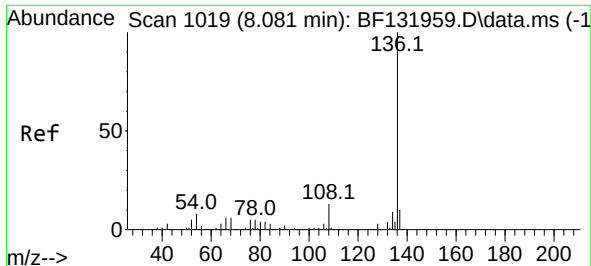
107 100

108 85.6 65.1 105.1

77 95.6 111.2 151.2#

79 32.8 14.4 54.4

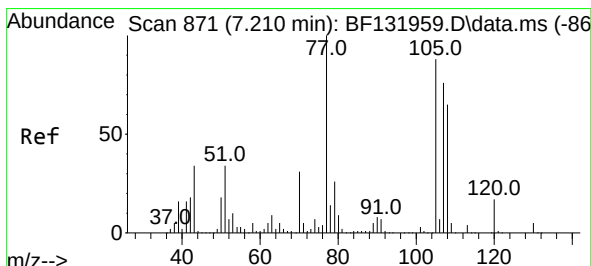
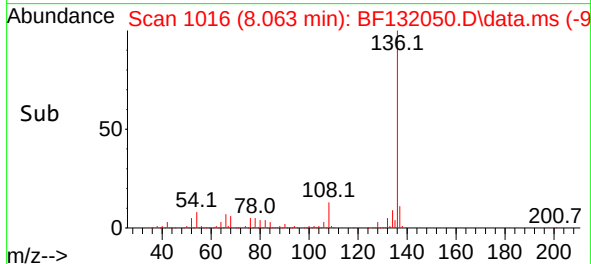
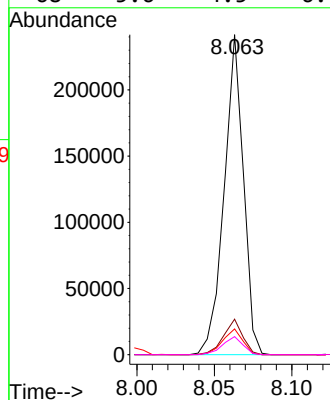
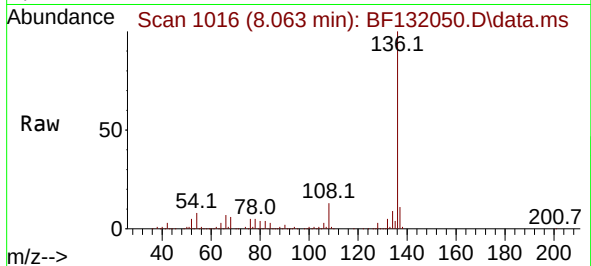




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

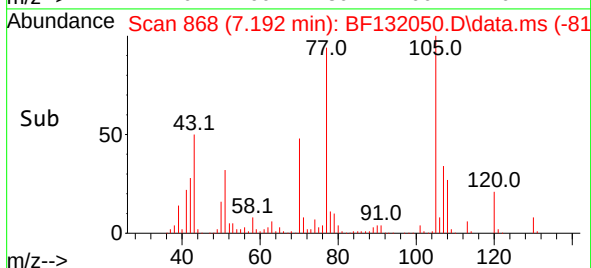
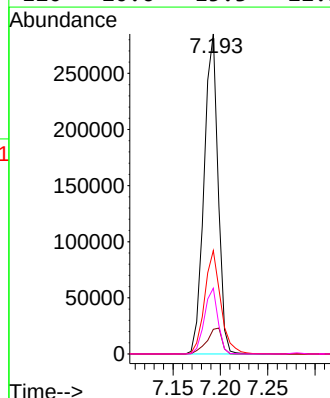
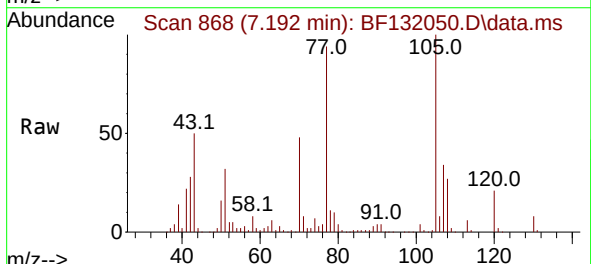
Instrument :
BNA_F
ClientSampleId :
MH-4MS

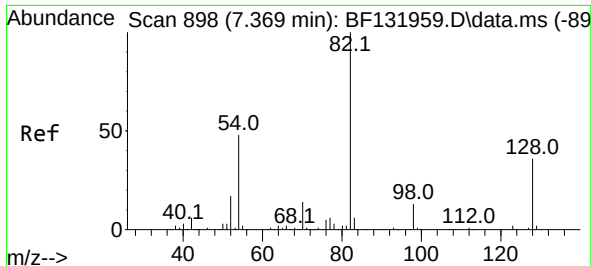
Tgt Ion:	136	Resp:	208878
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.2
54	8.0	6.6	9.8
68	5.6	4.5	6.7



#22
Acetophenone
Concen: 48.295 ng
RT: 7.192 min Scan# 868
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:	105	Resp:	293713
Ion	Ratio	Lower	Upper
105	100		
71	7.7	4.6	7.0#
51	32.3	30.6	46.0
120	20.6	15.3	22.9

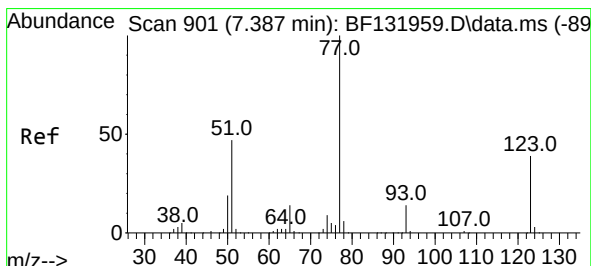
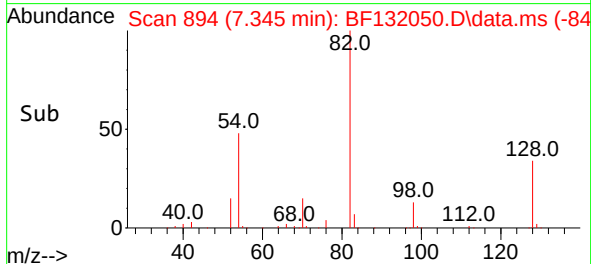
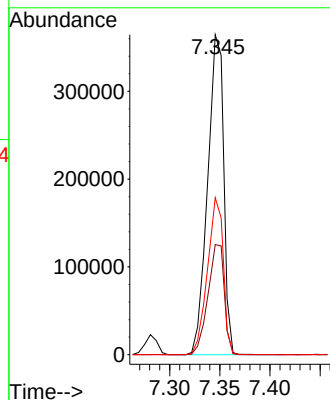
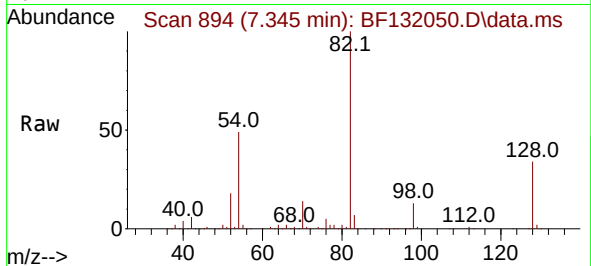




#23
Nitrobenzene-d5
Concen: 80.986 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

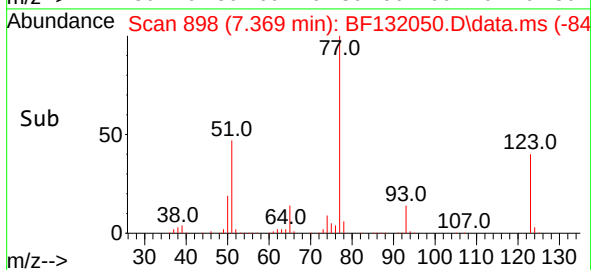
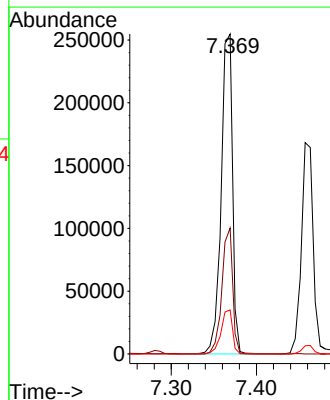
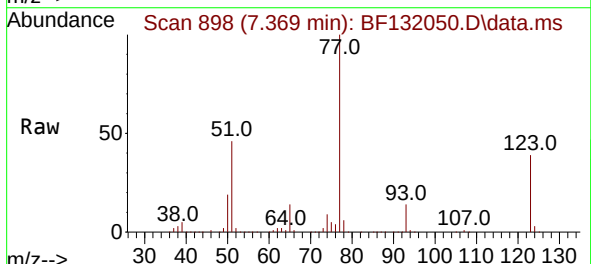
Instrument :
BNA_F
ClientSampleId :
MH-4MS

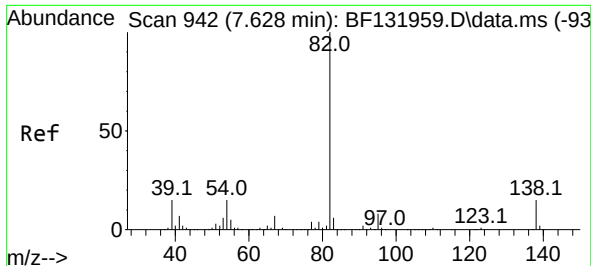
Tgt Ion: 82 Resp: 407584
Ion Ratio Lower Upper
82 100
128 34.4 28.7 43.1
54 49.1 38.1 57.1



#24
Nitrobenzene
Concen: 46.110 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion: 77 Resp: 236252
Ion Ratio Lower Upper
77 100
123 39.3 30.9 46.3
65 13.8 10.8 16.2

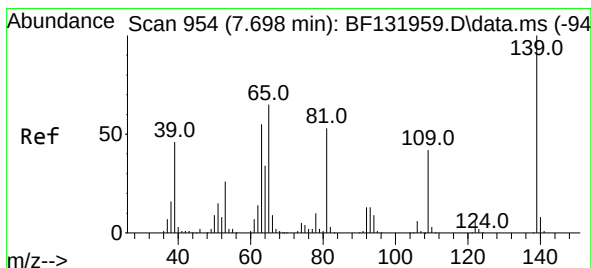
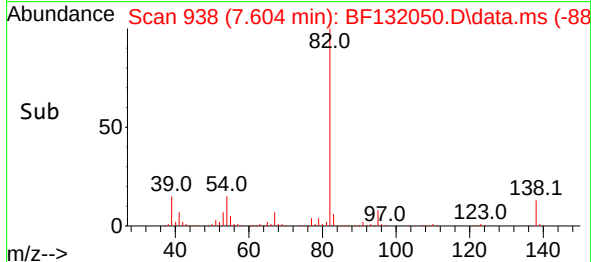
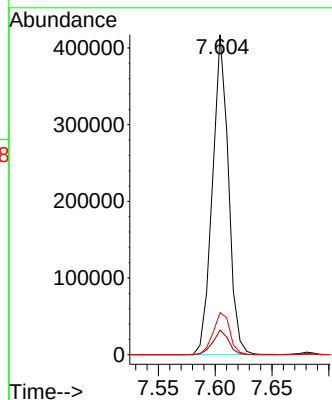
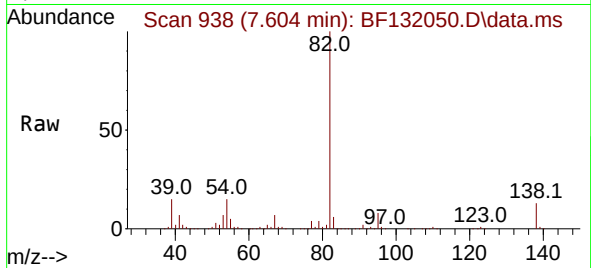




#25
Isophorone
Concen: 43.368 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

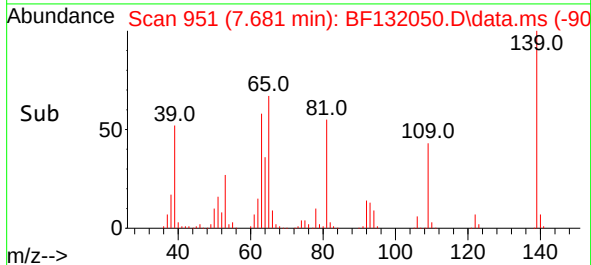
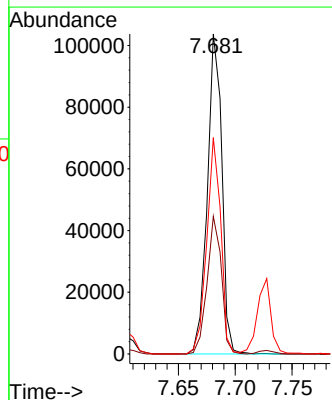
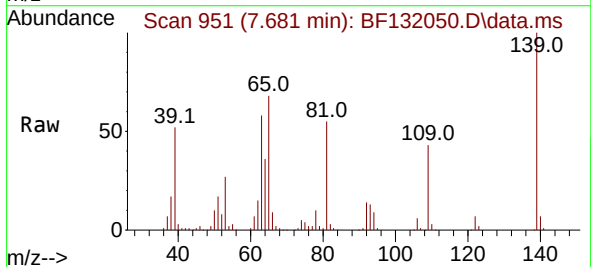
Instrument :
BNA_F
ClientSampleId :
MH-4MS

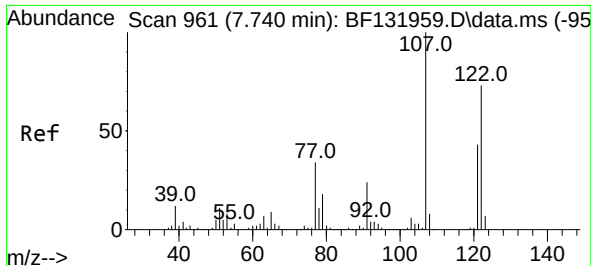
Tgt Ion: 82 Resp: 407744
Ion Ratio Lower Upper
82 100
95 7.6 6.5 9.7
138 13.2 11.9 17.9



#26
2-Nitrophenol
Concen: 45.480 ng
RT: 7.681 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion: 139 Resp: 91687
Ion Ratio Lower Upper
139 100
109 43.0 33.9 50.9
65 67.6 51.6 77.4





#27

2,4-Dimethylphenol

Concen: 46.200 ng

RT: 7.728 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

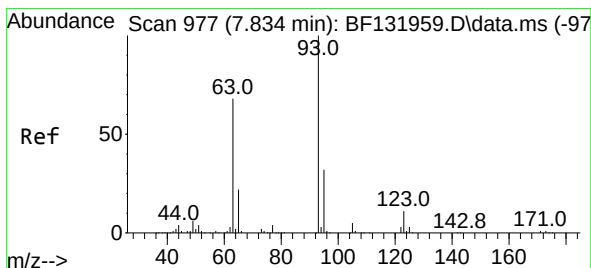
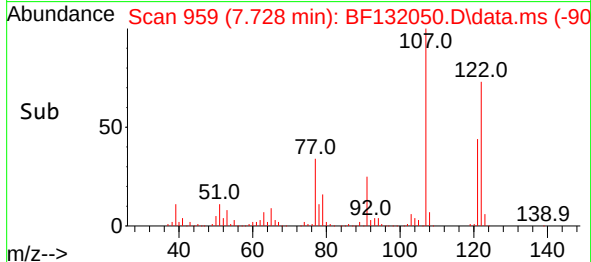
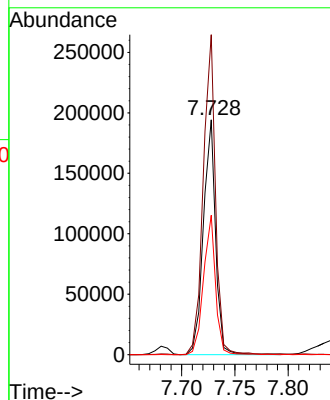
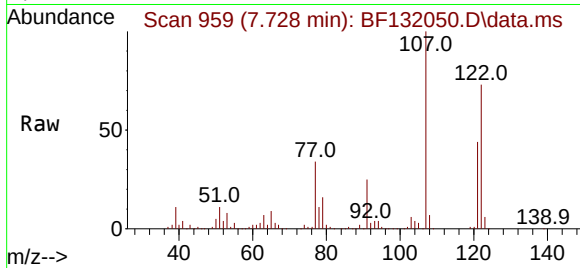
Tgt Ion:122 Resp: 155465

Ion Ratio Lower Upper

122 100

107 136.2 109.4 164.0

121 59.3 47.2 70.8



#28

bis(2-Chloroethoxy)methane

Concen: 44.389 ng

RT: 7.816 min Scan# 974

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

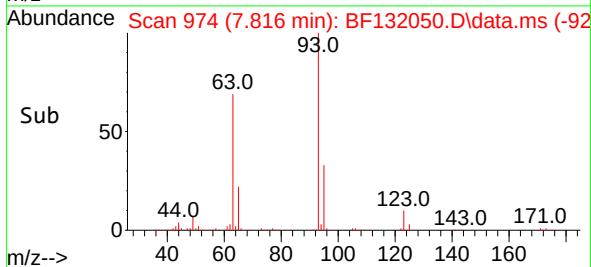
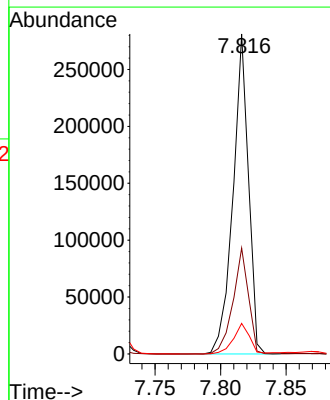
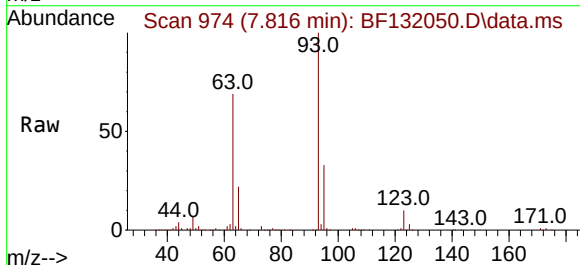
Tgt Ion: 93 Resp: 230983

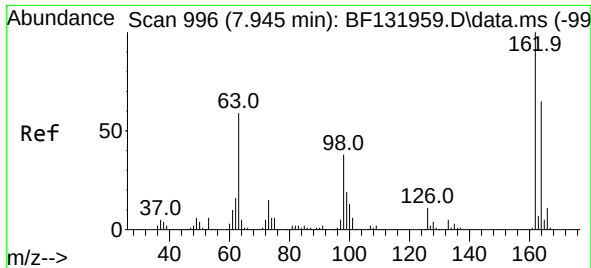
Ion Ratio Lower Upper

93 100

95 33.1 25.8 38.6

123 9.6 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 43.287 ng

RT: 7.934 min Scan# 99

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

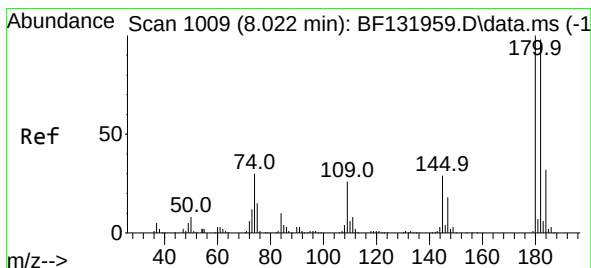
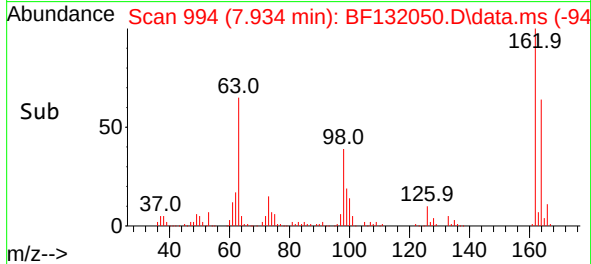
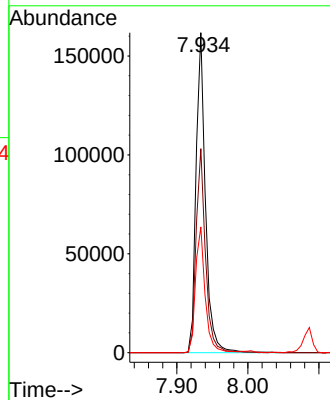
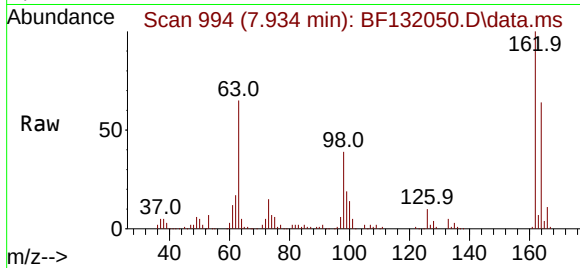
Tgt Ion:162 Resp: 149198

Ion Ratio Lower Upper

162 100

164 63.8 45.2 85.2

98 39.3 17.5 57.5



#30

1,2,4-Trichlorobenzene

Concen: 46.058 ng

RT: 8.004 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

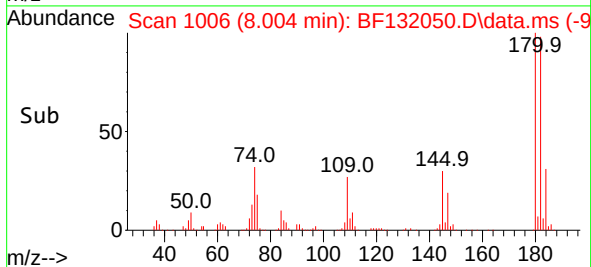
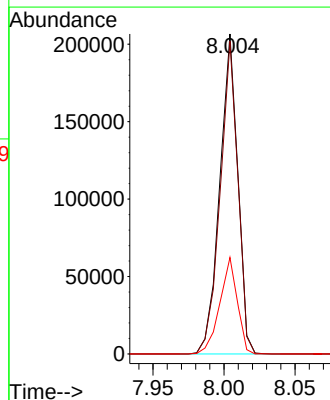
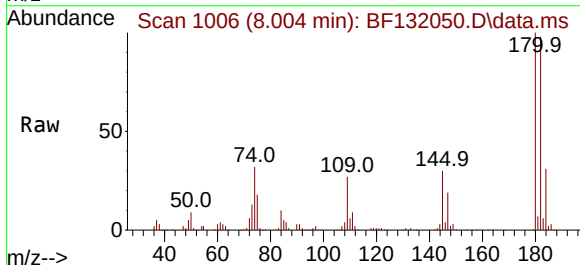
Tgt Ion:180 Resp: 181811

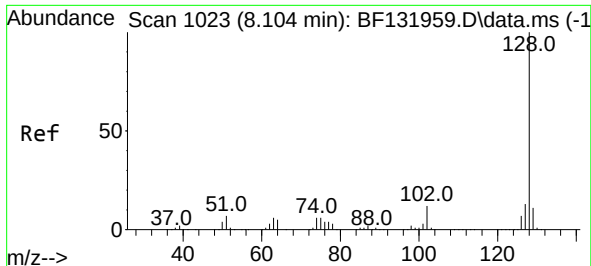
Ion Ratio Lower Upper

180 100

182 97.8 78.4 117.6

145 30.2 23.2 34.8

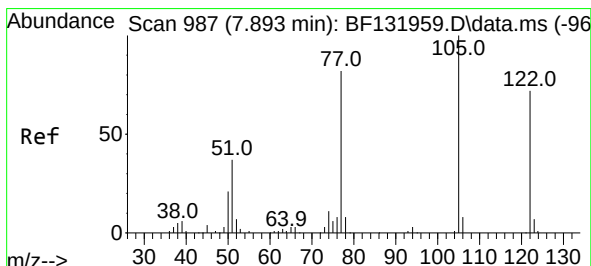
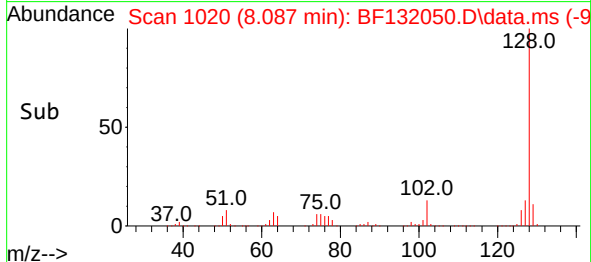
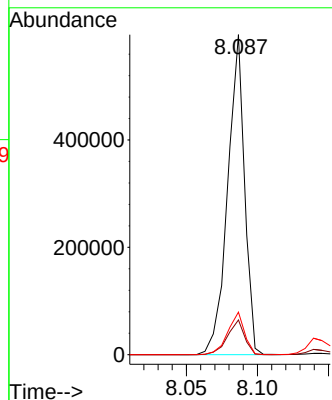
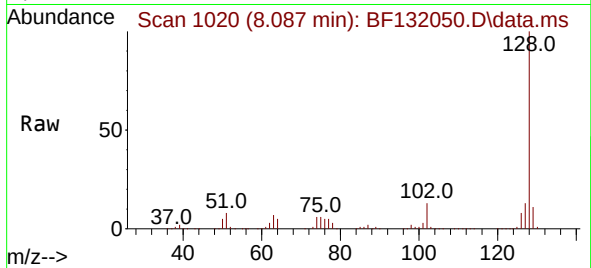




#31
Naphthalene
Concen: 44.582 ng
RT: 8.087 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

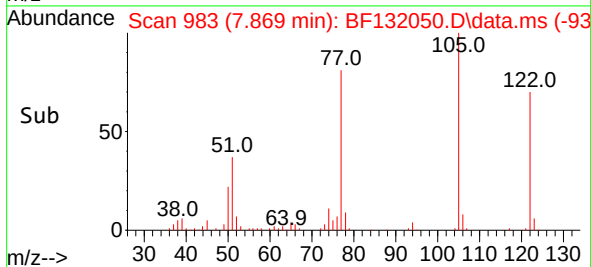
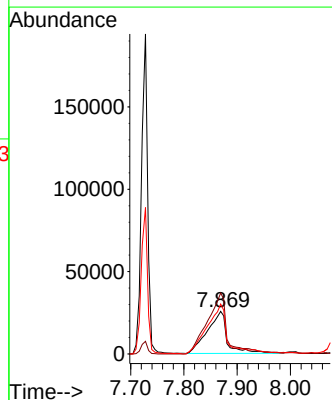
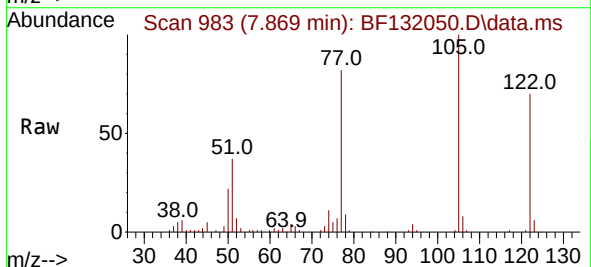
Instrument :
BNA_F
ClientSampleId :
MH-4MS

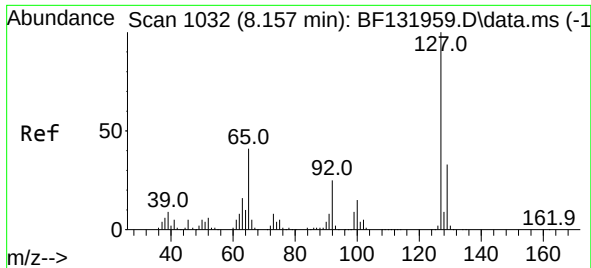
Tgt Ion:128 Resp: 492126
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.3 10.5 15.7



#32
Benzoic acid
Concen: 34.071 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:122 Resp: 66469
Ion Ratio Lower Upper
122 100
105 143.3 116.3 156.3
77 117.5 92.7 132.7

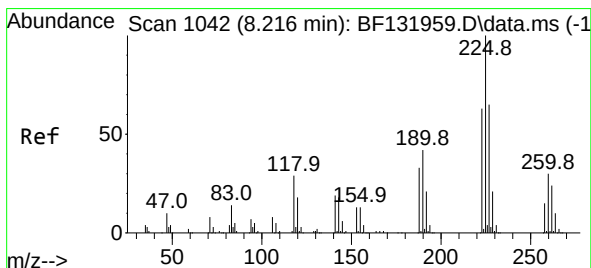
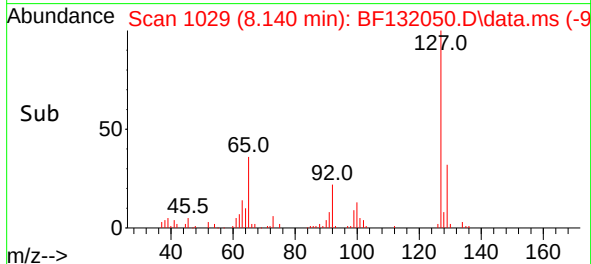
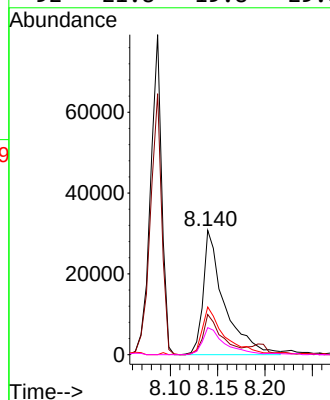
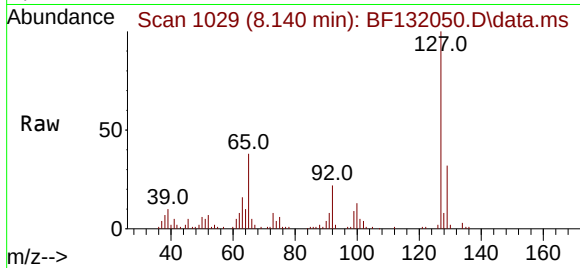




#33
4-Chloroaniline
Concen: 10.502 ng
RT: 8.140 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

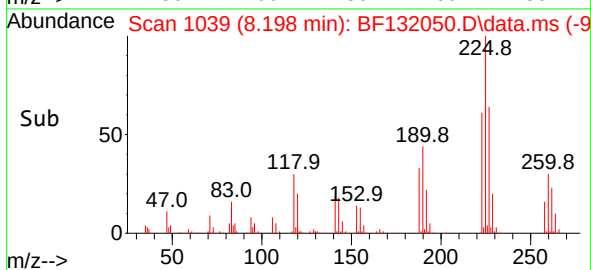
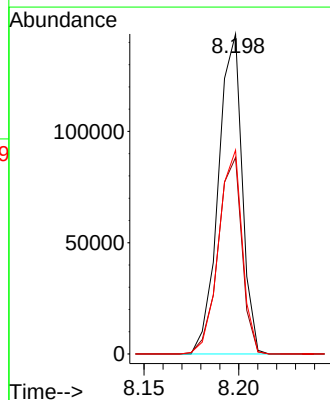
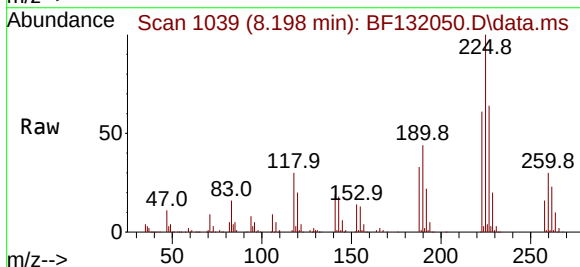
Instrument :
BNA_F
ClientSampleId :
MH-4MS

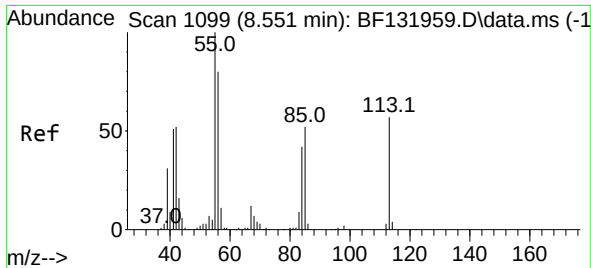
Tgt Ion:	127	Resp:	47837
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.5	39.7
65	38.4	33.1	49.7
92	21.8	19.8	29.8



#34
Hexachlorobutadiene
Concen: 45.842 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:	225	Resp:	125462
Ion	Ratio	Lower	Upper
225	100		
223	61.4	50.6	75.8
227	63.7	51.6	77.4

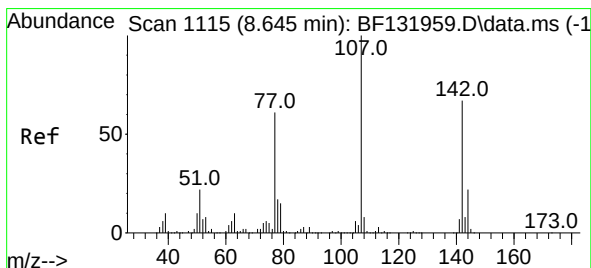
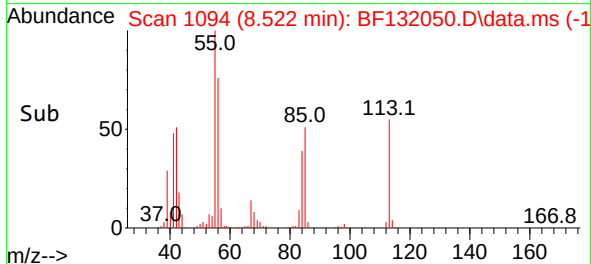
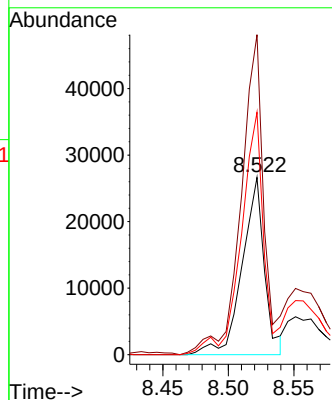
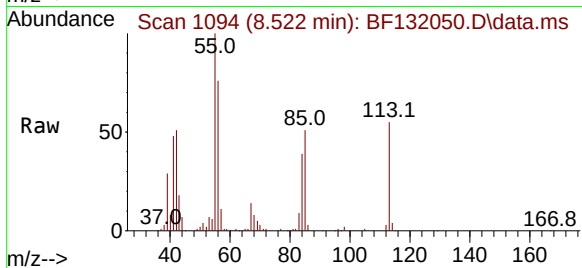




#35
 Caprolactam
 Concen: 31.053 ng
 RT: 8.522 min Scan# 1109
 Delta R.T. -0.006 min
 Lab File: BF132050.D
 Acq: 12 Jan 2023 19:50

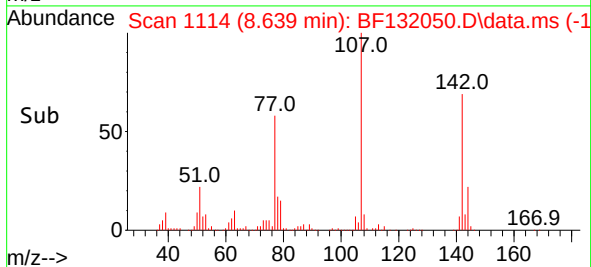
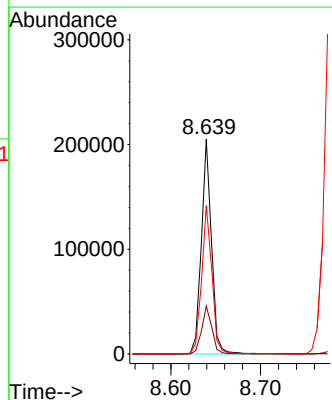
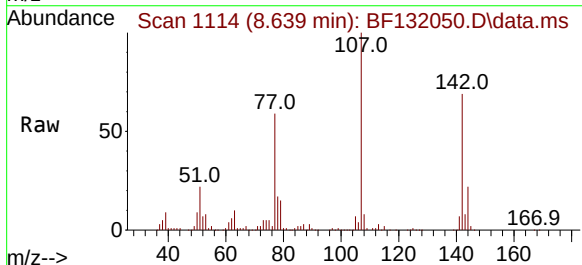
Instrument :
 BNA_F
 ClientSampleId :
 MH-4MS

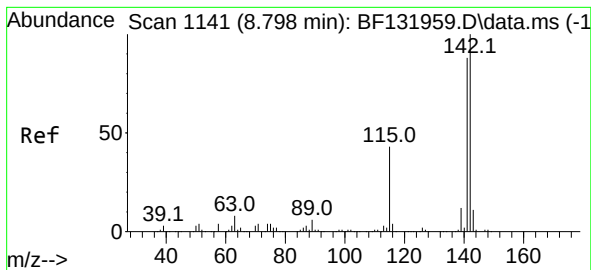
Tgt Ion:113 Resp: 31435
 Ion Ratio Lower Upper
 113 100
 55 180.5 154.4 194.4
 56 136.7 119.6 159.6



#36
 4-Chloro-3-methylphenol
 Concen: 39.912 ng
 RT: 8.639 min Scan# 1114
 Delta R.T. 0.006 min
 Lab File: BF132050.D
 Acq: 12 Jan 2023 19:50

Tgt Ion:107 Resp: 161459
 Ion Ratio Lower Upper
 107 100
 144 22.4 17.4 26.2
 142 69.0 53.7 80.5





#37

2-Methylnaphthalene

Concen: 40.550 ng

RT: 8.781 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

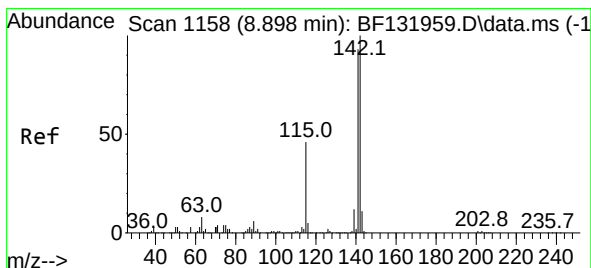
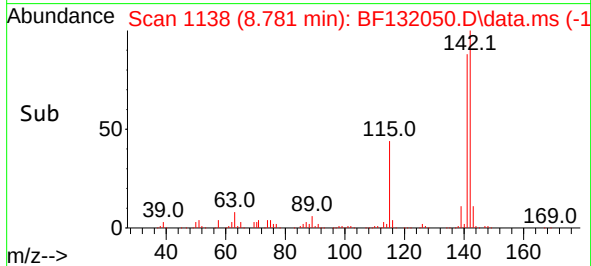
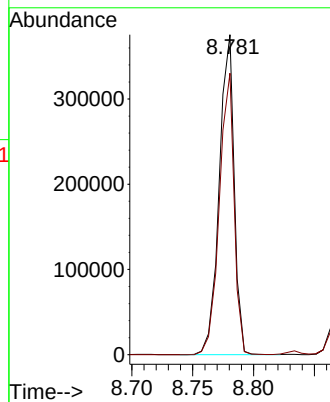
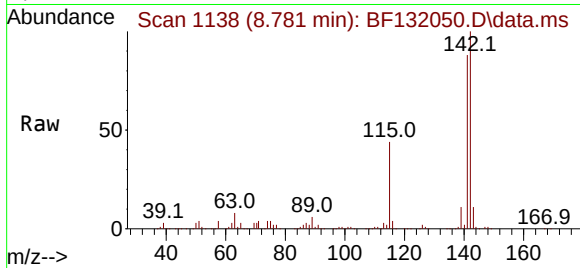
MH-4MS

Tgt Ion:142 Resp: 321479

Ion Ratio Lower Upper

142 100

141 88.0 70.6 106.0



#38

1-Methylnaphthalene

Concen: 40.244 ng

RT: 8.881 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF132050.D

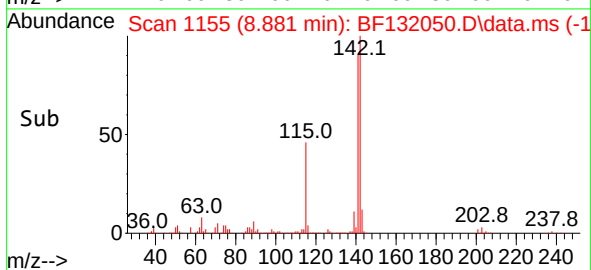
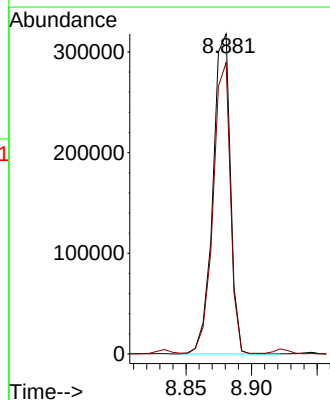
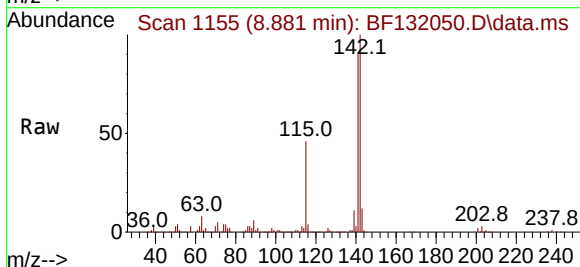
Acq: 12 Jan 2023 19:50

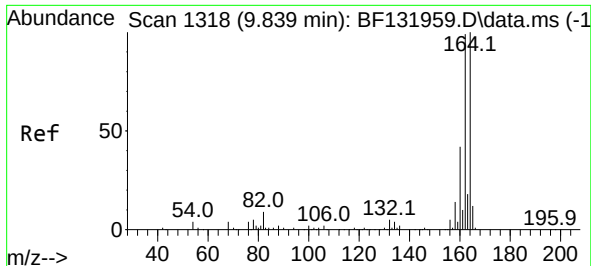
Tgt Ion:142 Resp: 295601

Ion Ratio Lower Upper

142 100

141 91.1 74.3 111.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

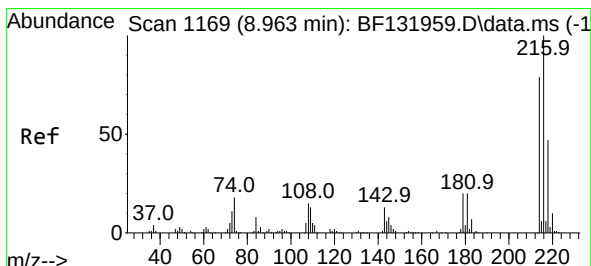
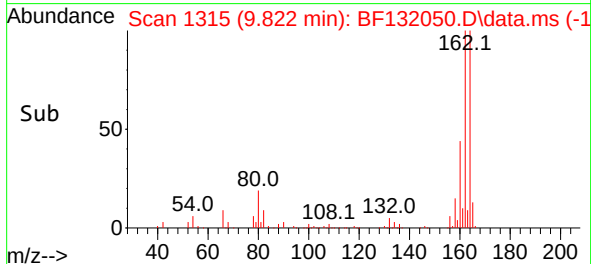
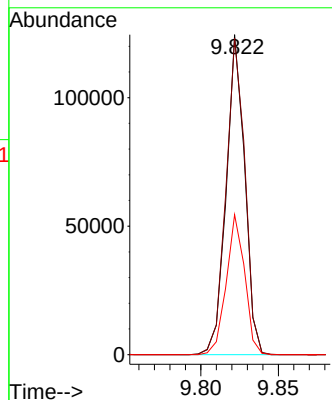
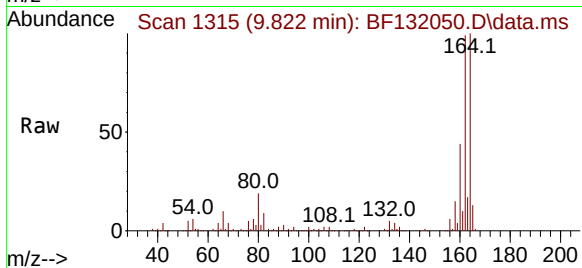
Tgt Ion:164 Resp: 103094

Ion Ratio Lower Upper

164 100

162 98.8 79.4 119.0

160 43.7 33.9 50.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.285 ng

RT: 8.945 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Tgt Ion:216 Resp: 179045

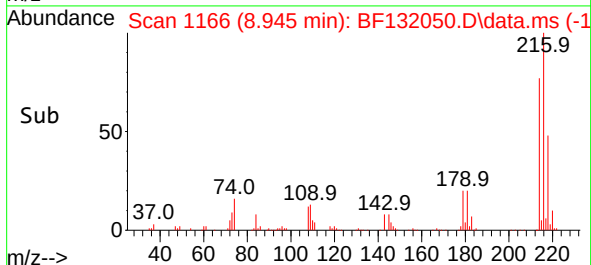
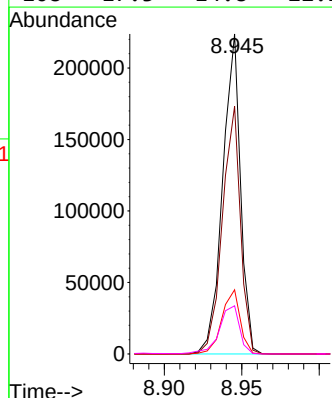
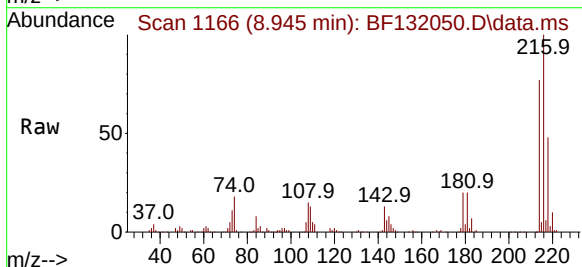
Ion Ratio Lower Upper

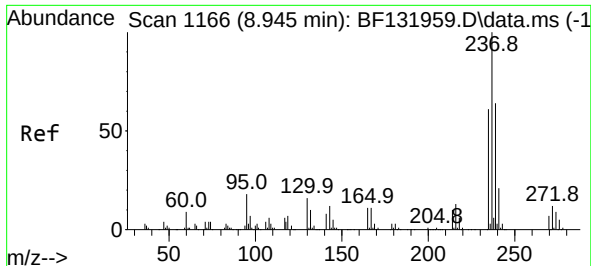
216 100

214 78.4 63.9 95.9

179 20.6 16.4 24.6

108 17.3 14.8 22.2

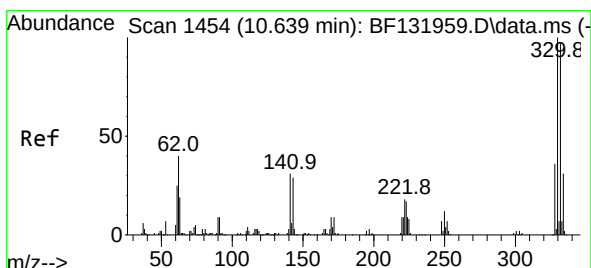
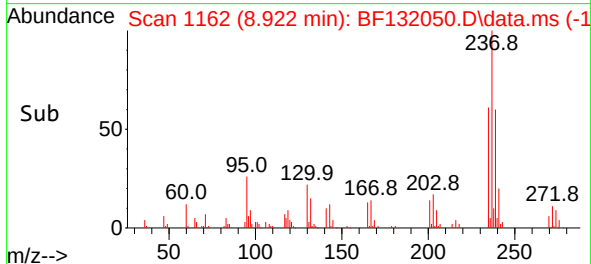
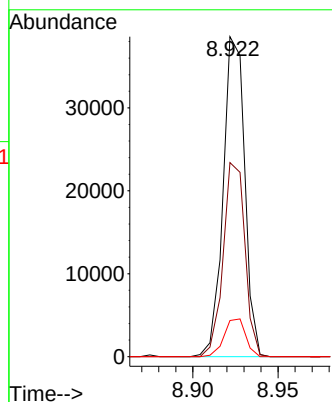
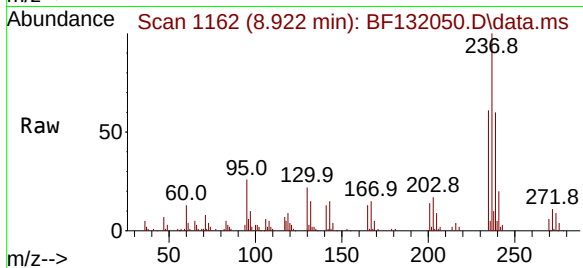




#41
Hexachlorocyclopentadiene
Concen: 24.704 ng
RT: 8.922 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

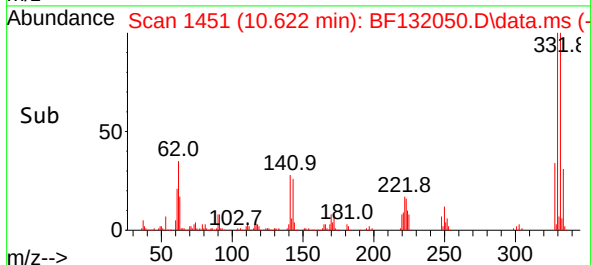
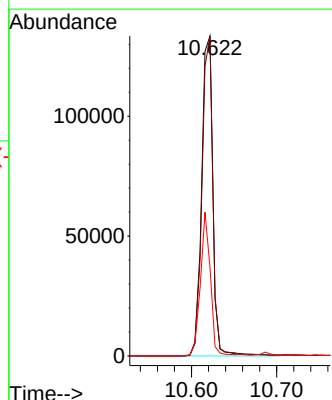
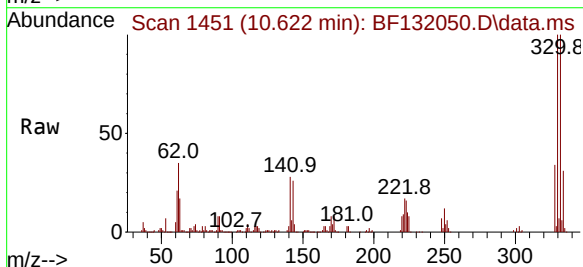
Instrument :
BNA_F
ClientSampleId :
MH-4MS

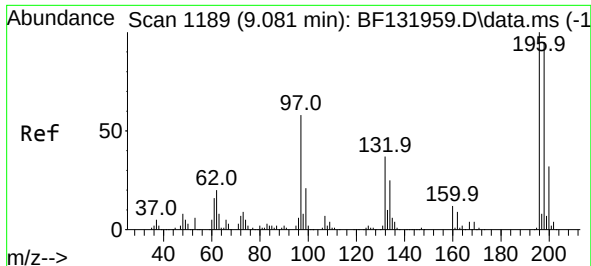
Tgt Ion:237 Resp: 33927
Ion Ratio Lower Upper
237 100
235 60.7 41.2 81.2
272 11.3 0.0 31.7



#42
2,4,6-Tribromophenol
Concen: 103.067 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:330 Resp: 122171
Ion Ratio Lower Upper
330 100
332 97.1 76.9 115.3
141 40.4 31.3 46.9





#43

2,4,6-Trichlorophenol

Concen: 47.159 ng

RT: 9.063 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

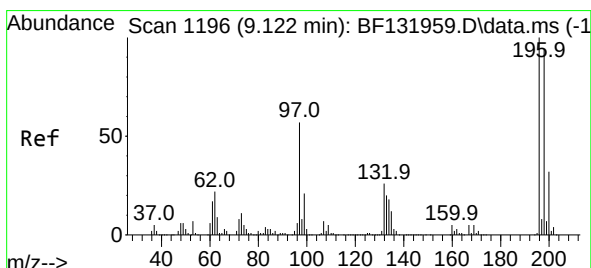
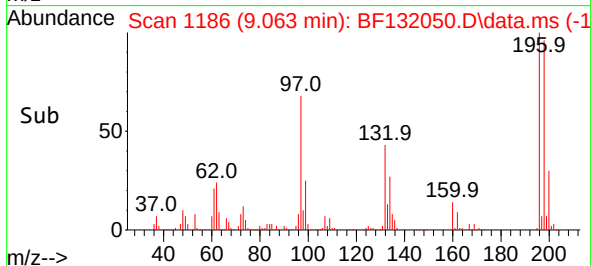
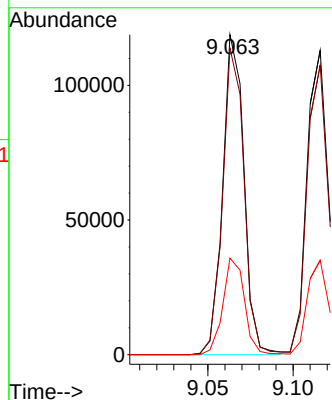
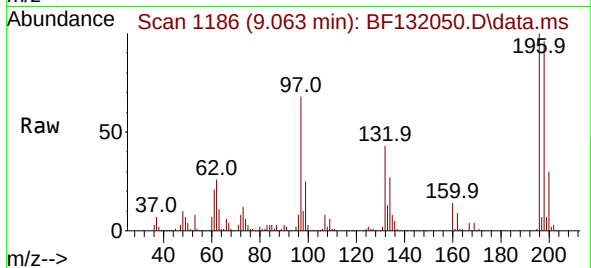
Tgt Ion:196 Resp: 103121

Ion Ratio Lower Upper

196 100

198 95.8 76.3 114.5

200 30.1 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 41.934 ng

RT: 9.116 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Tgt Ion:196 Resp: 106752

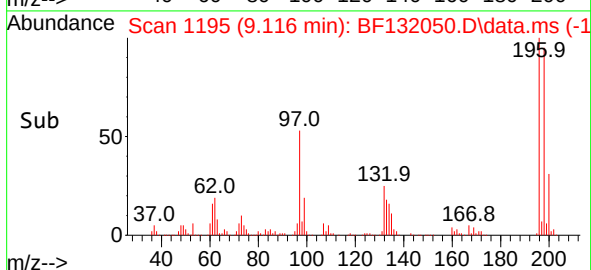
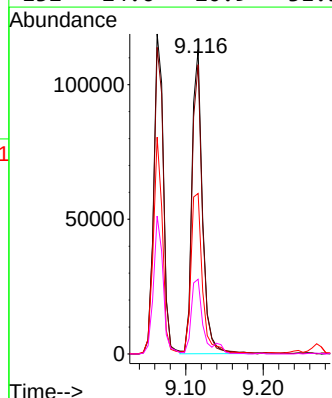
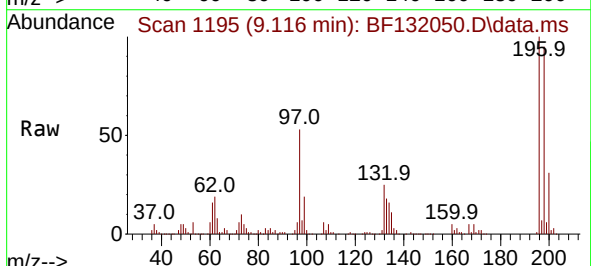
Ion Ratio Lower Upper

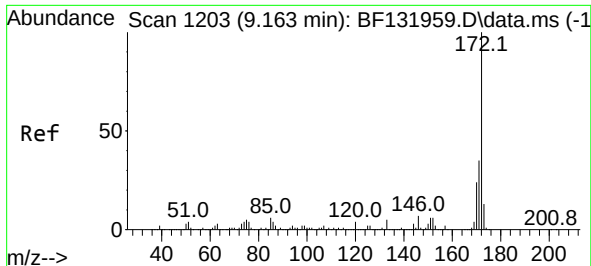
196 100

198 95.1 75.3 112.9

97 52.7 45.6 68.4

132 24.6 20.9 31.3





#45

2-Fluorobiphenyl

Concen: 83.502 ng

RT: 9.145 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

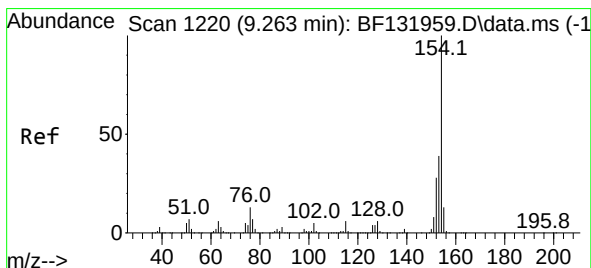
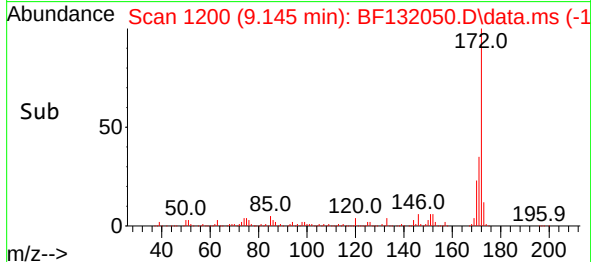
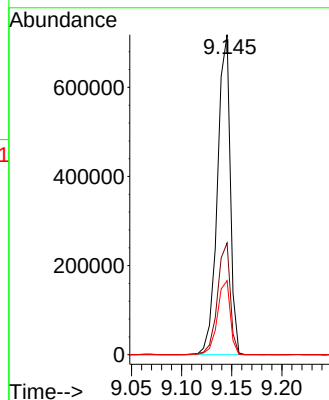
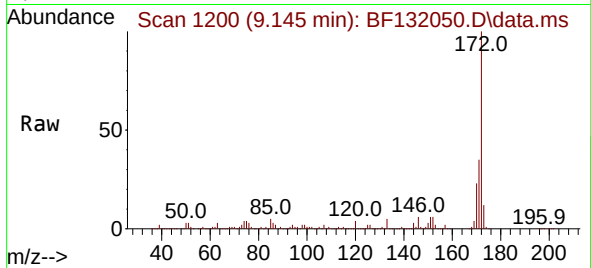
Tgt Ion:172 Resp: 637687

Ion Ratio Lower Upper

172 100

171 34.9 28.0 42.0

170 23.1 18.9 28.3



#46

1,1'-Biphenyl

Concen: 48.395 ng

RT: 9.245 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

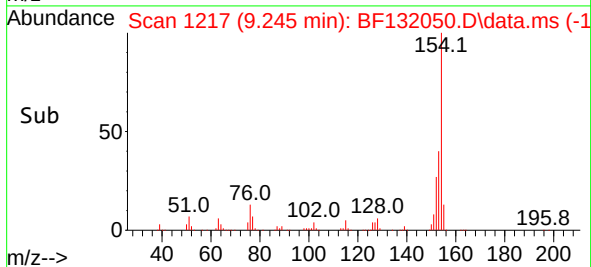
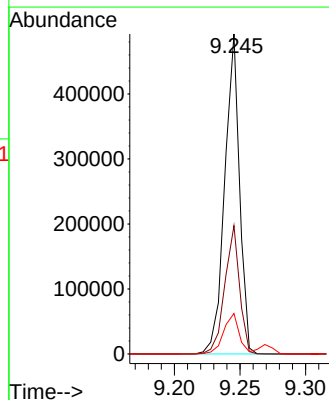
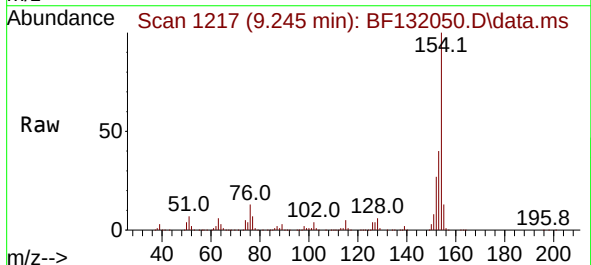
Tgt Ion:154 Resp: 385086

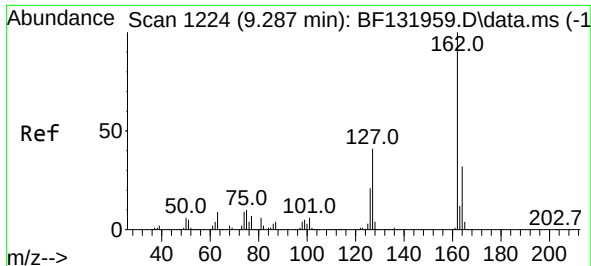
Ion Ratio Lower Upper

154 100

153 40.1 18.9 58.9

76 12.6 0.0 33.2





#47

2-Chloronaphthalene

Concen: 48.562 ng

RT: 9.269 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

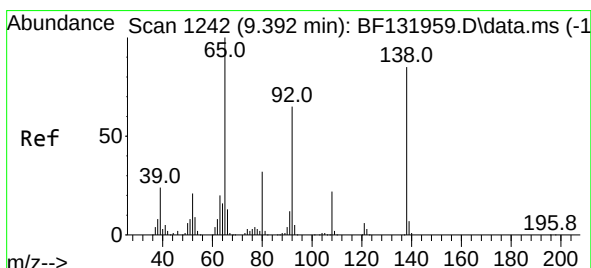
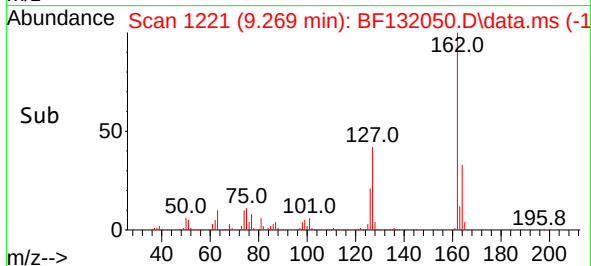
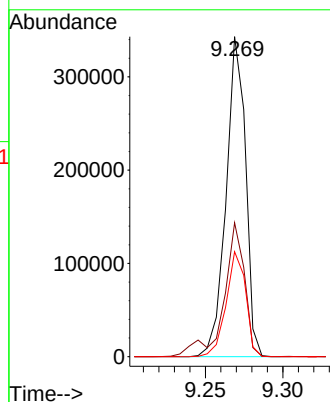
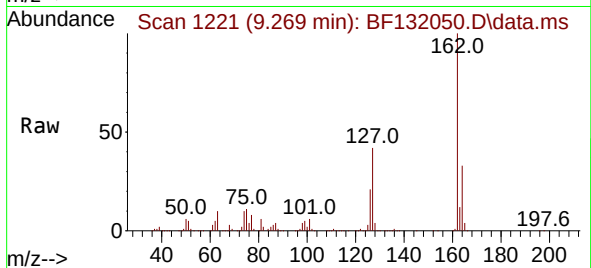
Tgt Ion:162 Resp: 299915

Ion Ratio Lower Upper

162 100

127 41.9 33.0 49.4

164 32.8 25.8 38.8



#48

2-Nitroaniline

Concen: 45.960 ng

RT: 9.375 min Scan# 1239

Delta R.T. -0.006 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

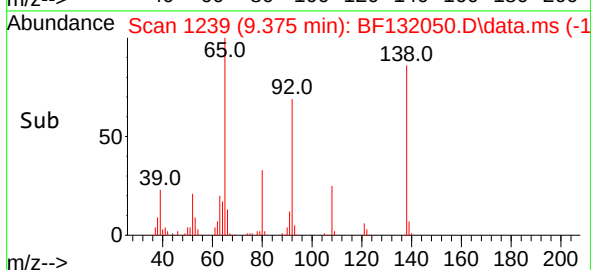
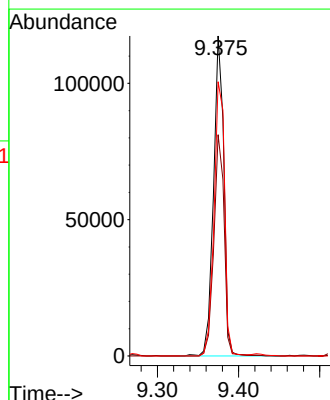
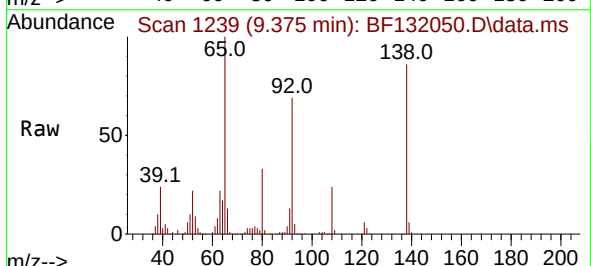
Tgt Ion: 65 Resp: 103097

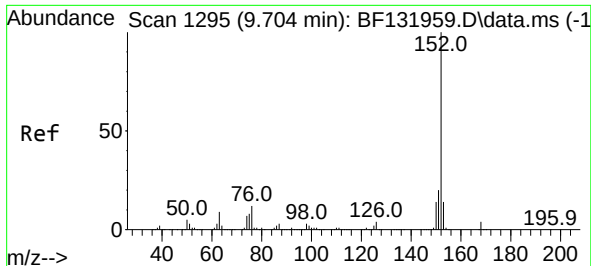
Ion Ratio Lower Upper

65 100

92 69.1 52.2 78.2

138 85.7 67.8 101.8

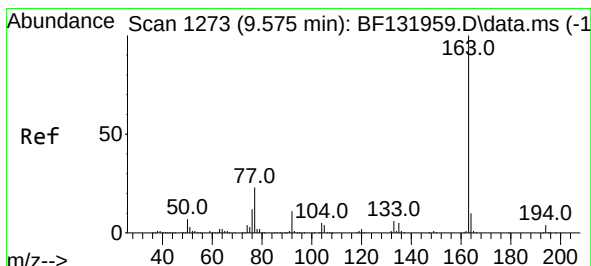
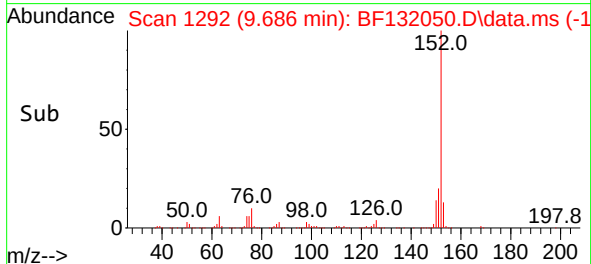
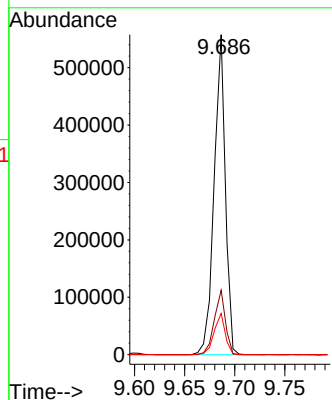
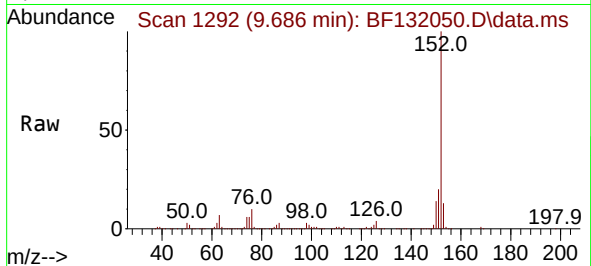




#49
Acenaphthylene
Concen: 45.382 ng
RT: 9.686 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

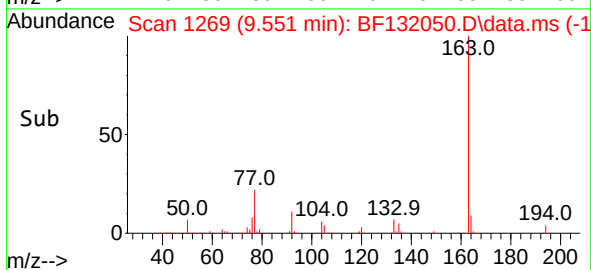
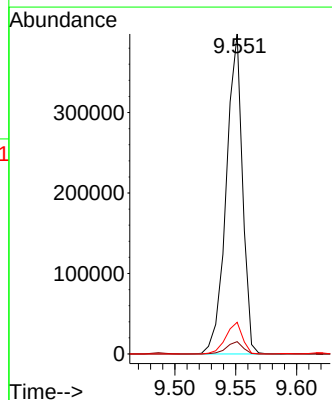
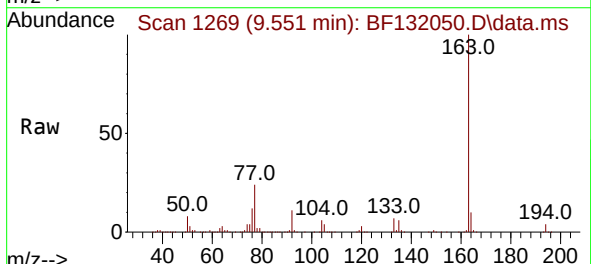
Instrument :
BNA_F
ClientSampleId :
MH-4MS

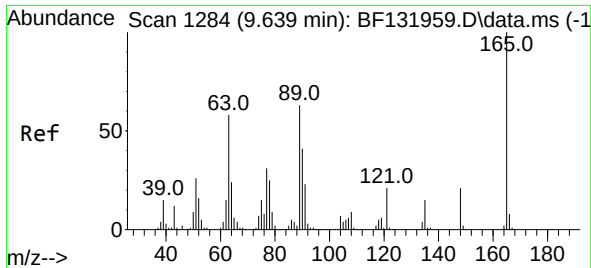
Tgt Ion:152 Resp: 434931
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 12.9 10.8 16.2



#50
Dimethylphthalate
Concen: 46.084 ng
RT: 9.551 min Scan# 1269
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:163 Resp: 370331
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.9 7.8 11.6

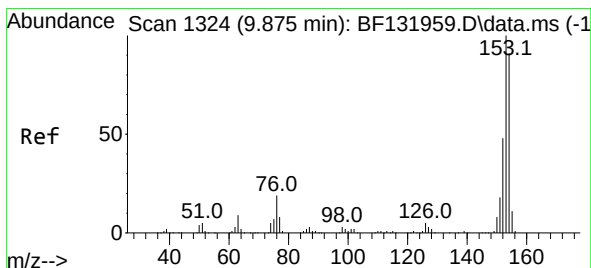
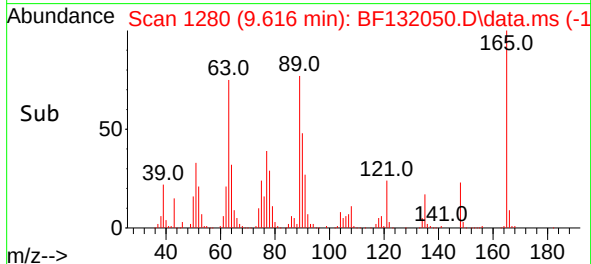
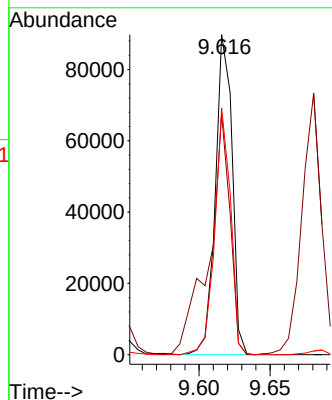
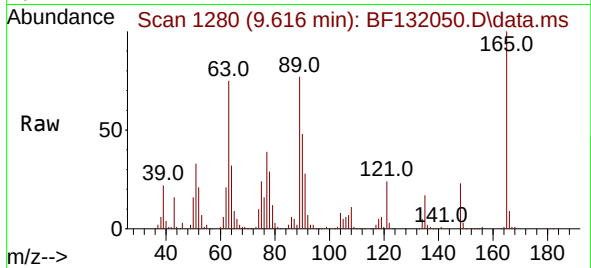




#51
2,6-Dinitrotoluene
Concen: 43.549 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

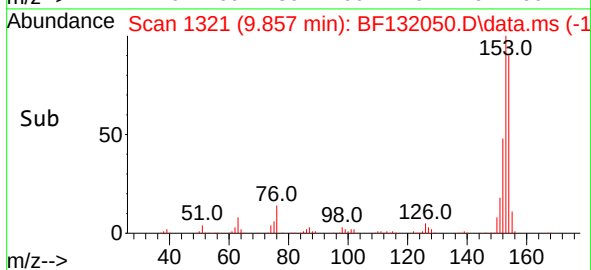
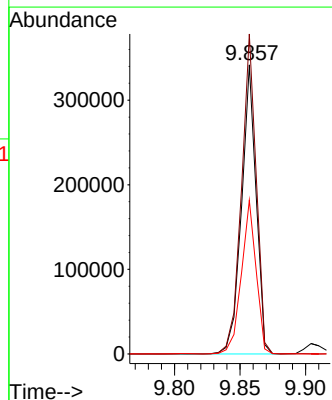
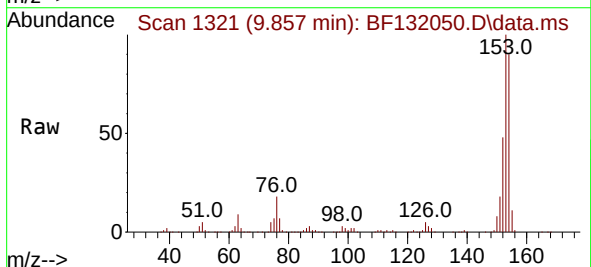
Instrument :
BNA_F
ClientSampleId :
MH-4MS

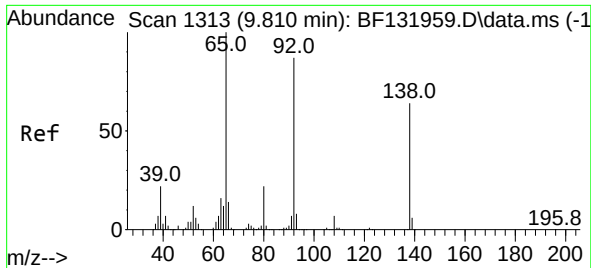
Tgt Ion:165 Resp: 73605
Ion Ratio Lower Upper
165 100
63 75.3 47.4 71.0#
89 77.1 50.2 75.2#



#52
Acenaphthene
Concen: 46.124 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:154 Resp: 265344
Ion Ratio Lower Upper
154 100
153 110.7 87.7 131.5
152 53.2 42.2 63.2

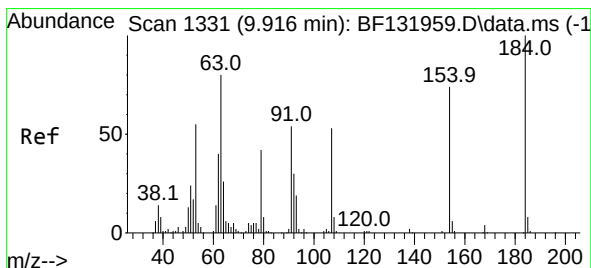
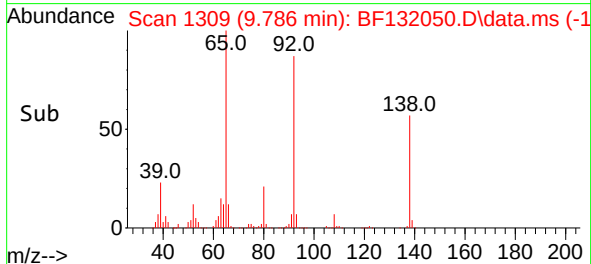
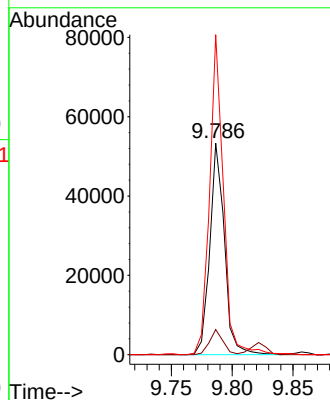
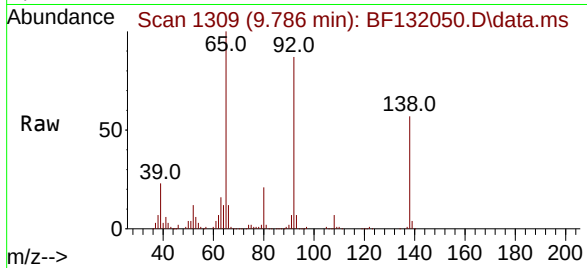




#53
3-Nitroaniline
Concen: 27.174 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

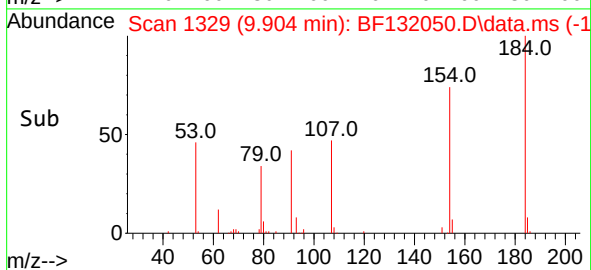
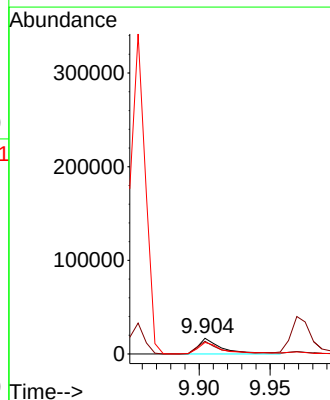
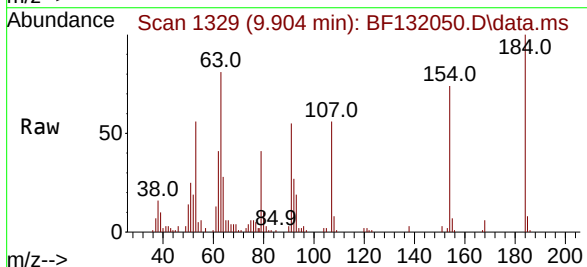
Instrument :
BNA_F
ClientSampleId :
MH-4MS

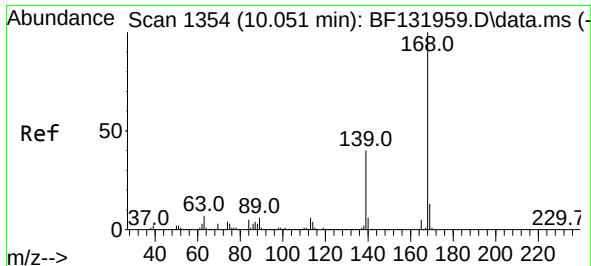
Tgt Ion:138 Resp: 44559
Ion Ratio Lower Upper
138 100
108 11.9 8.8 13.2
92 151.3 108.1 162.1



#54
2,4-Dinitrophenol
Concen: 22.691 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:184 Resp: 19256
Ion Ratio Lower Upper
184 100
63 80.9 63.7 95.5
154 74.0 60.1 90.1

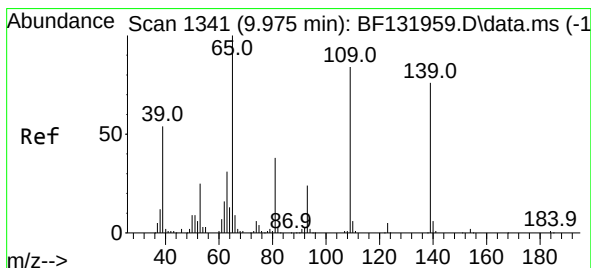
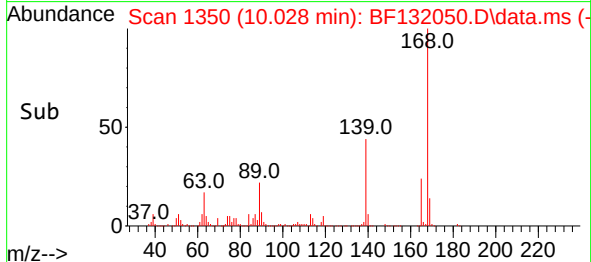
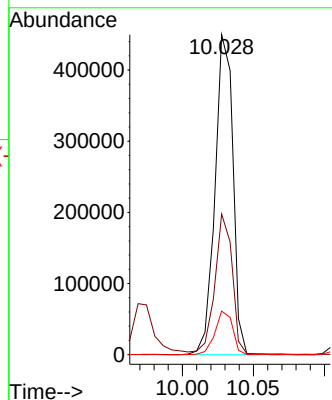
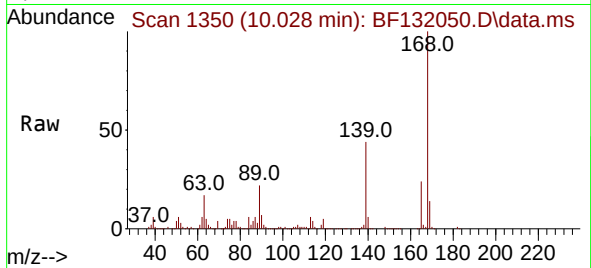




#55
Dibenzofuran
Concen: 43.406 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

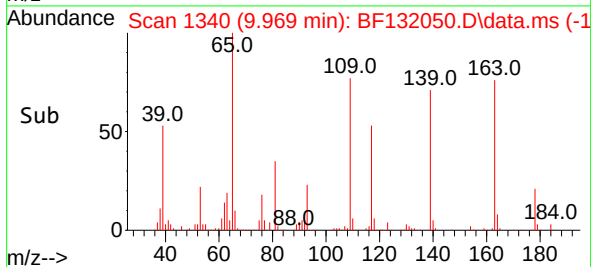
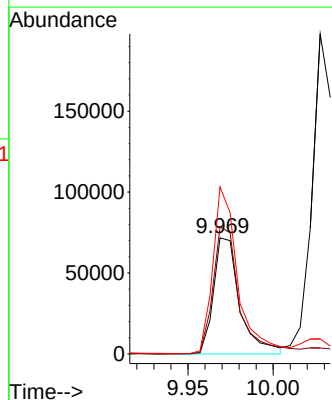
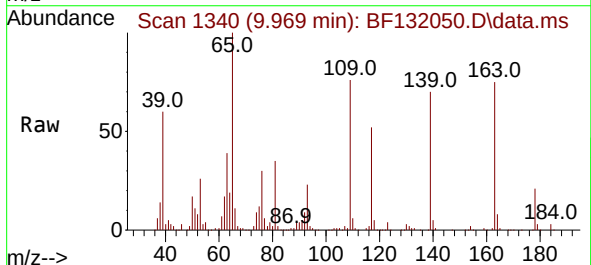
Instrument :
BNA_F
ClientSampleId :
MH-4MS

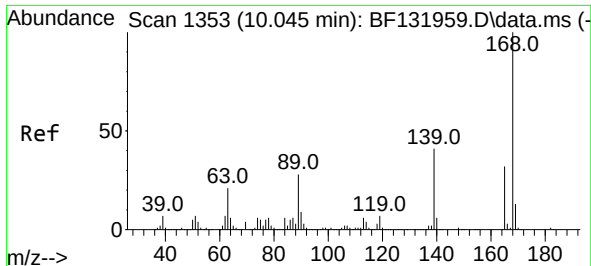
Tgt Ion:168 Resp: 393613
Ion Ratio Lower Upper
168 100
139 44.0 32.4 48.6
169 13.6 10.7 16.1



#56
4-Nitrophenol
Concen: 83.223 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:139 Resp: 76867
Ion Ratio Lower Upper
139 100
109 109.3 90.5 130.5
65 143.6 112.6 152.6

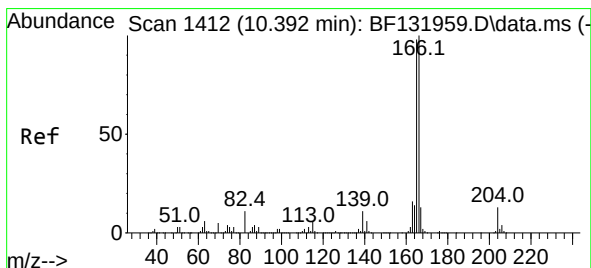
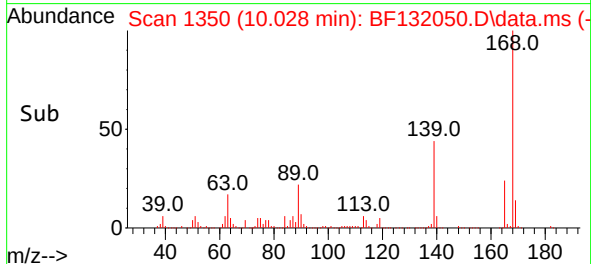
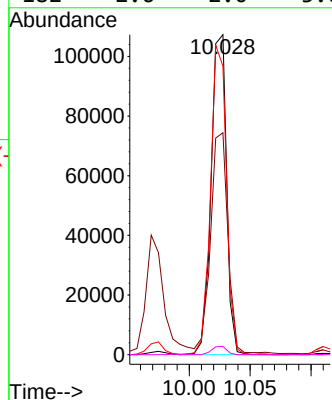
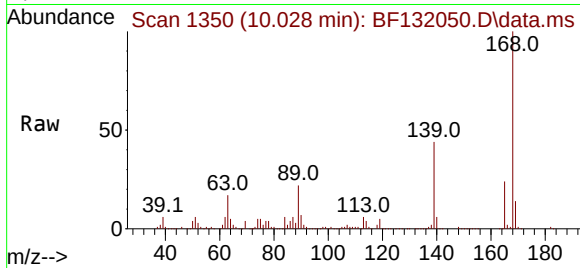




#57
2,4-Dinitrotoluene
Concen: 41.880 ng
RT: 10.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

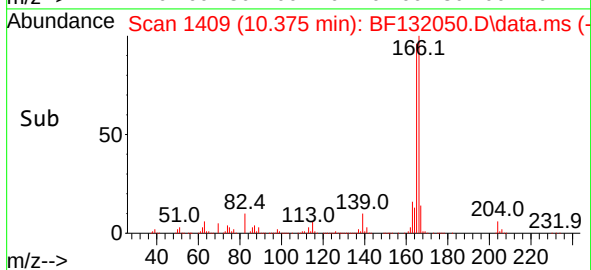
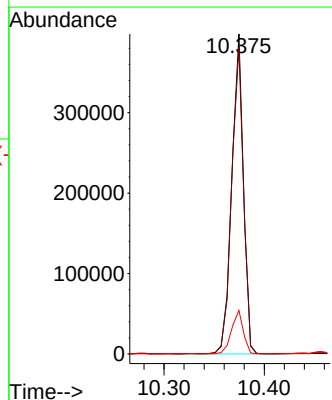
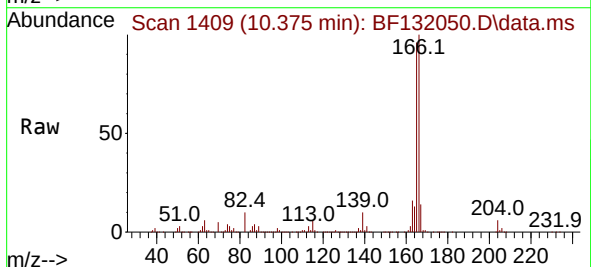
Instrument :
BNA_F
ClientSampleId :
MH-4MS

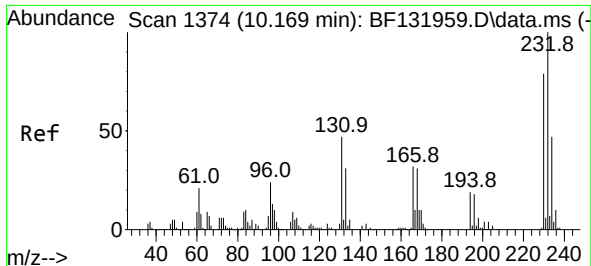
Tgt Ion:	165	Resp:	94638
Ion	Ratio	Lower	Upper
165	100		
63	69.4	53.2	79.8
89	90.2	71.2	106.8
182	2.6	2.0	3.0



#58
Fluorene
Concen: 44.283 ng
RT: 10.375 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:	166	Resp:	320785
Ion	Ratio	Lower	Upper
166	100		
165	95.7	78.3	117.5
167	13.6	10.7	16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 40.931 ng

RT: 10.157 min Scan# 1372

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

Tgt Ion:232 Resp: 77640

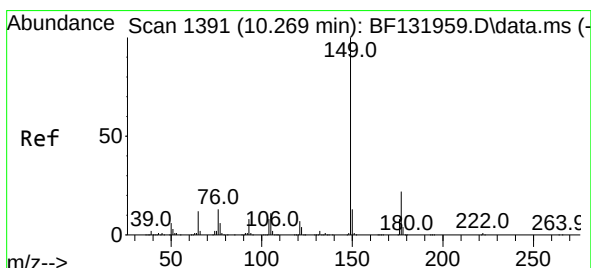
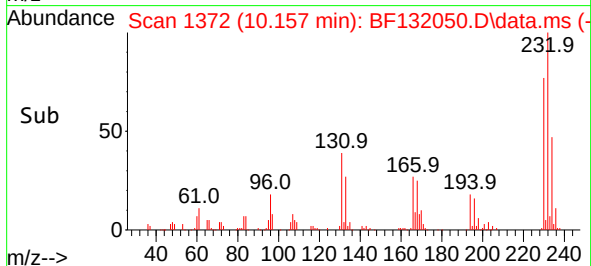
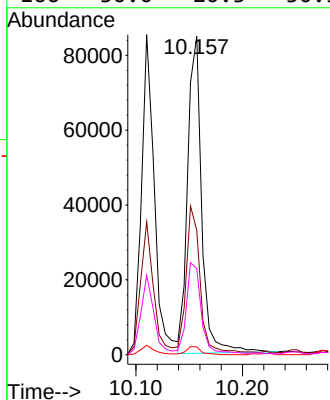
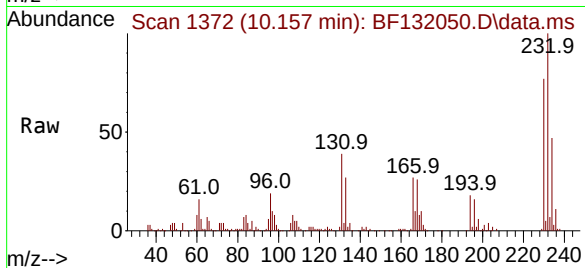
Ion Ratio Lower Upper

232 100

131 45.9 33.0 49.4

130 2.7 1.8 2.8

166 30.0 20.3 30.5



#60

Diethylphthalate

Concen: 43.308 ng

RT: 10.251 min Scan# 1388

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

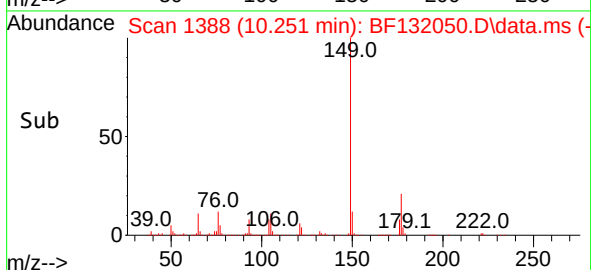
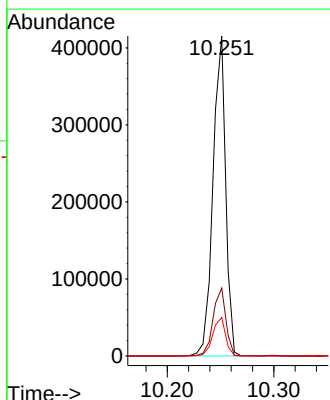
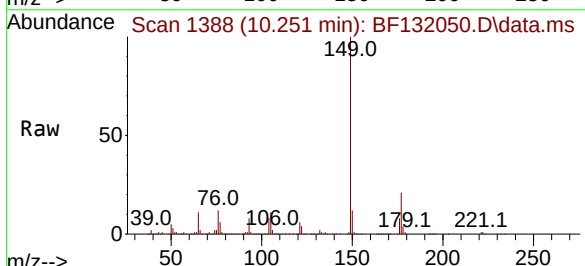
Tgt Ion:149 Resp: 342216

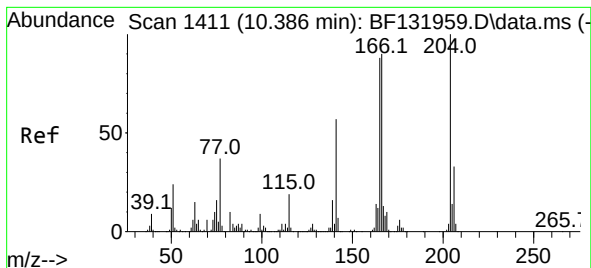
Ion Ratio Lower Upper

149 100

177 21.2 17.7 26.5

150 12.1 10.2 15.2

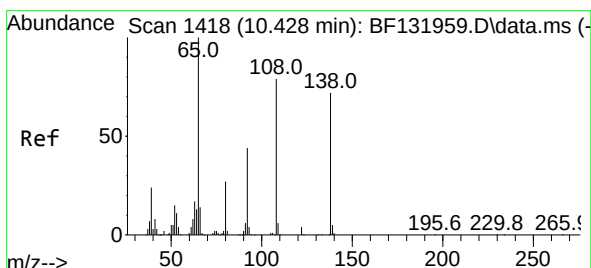
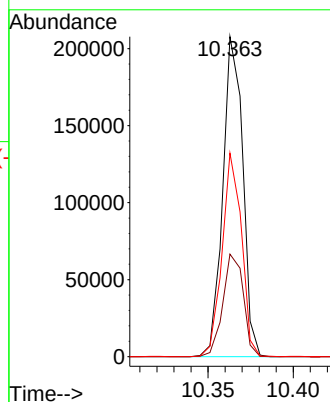
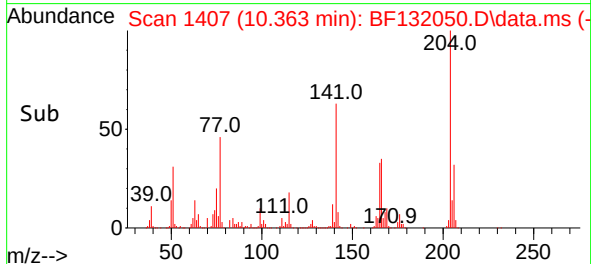
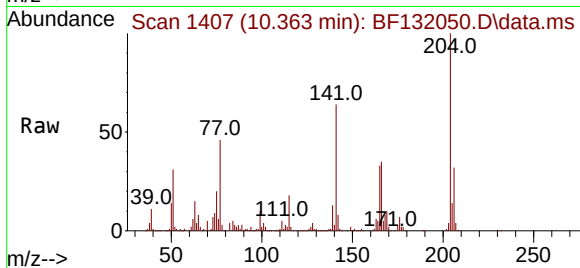




#61
4-Chlorophenyl-phenylether
Concen: 40.751 ng
RT: 10.363 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

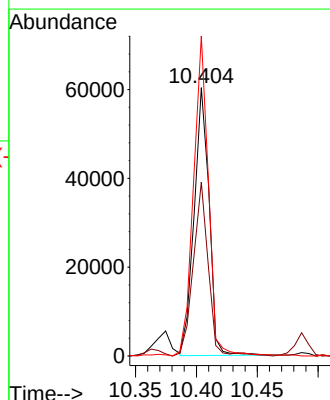
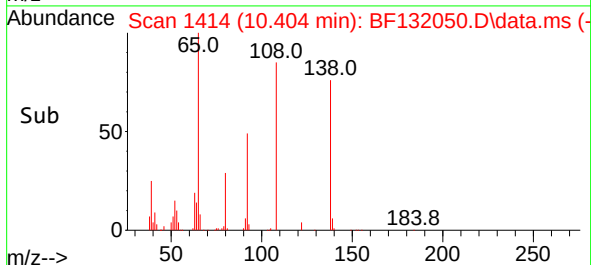
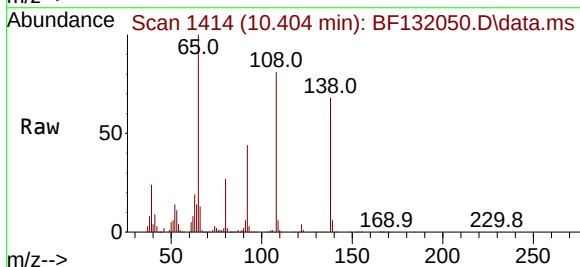
Instrument :
BNA_F
ClientSampleId :
MH-4MS

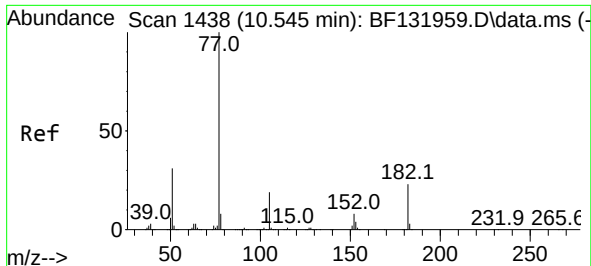
Tgt Ion:204 Resp: 168989
Ion Ratio Lower Upper
204 100
206 32.0 26.3 39.5
141 63.6 45.6 68.4



#62
4-Nitroaniline
Concen: 34.963 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:138 Resp: 51552
Ion Ratio Lower Upper
138 100
92 64.8 41.3 81.3
108 119.2 89.8 129.8

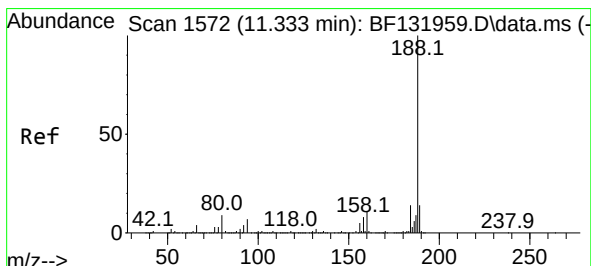
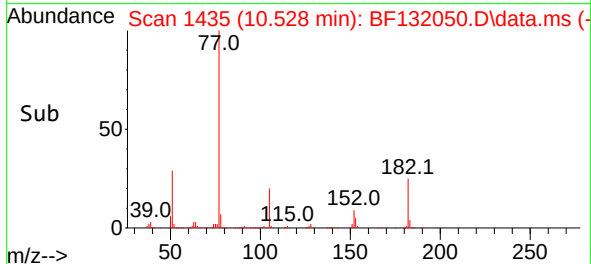
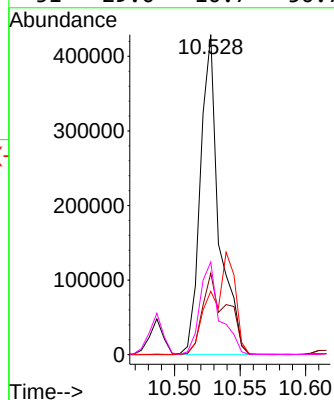
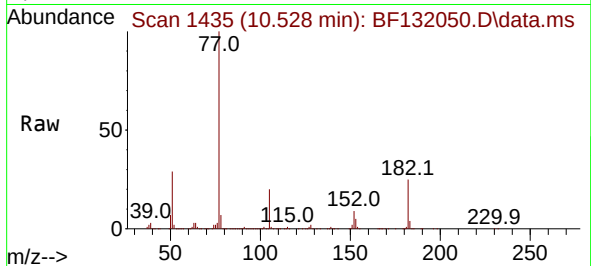




#63
Azobenzene
Concen: 50.364 ng
RT: 10.528 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

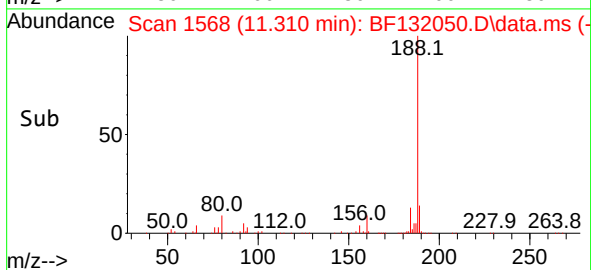
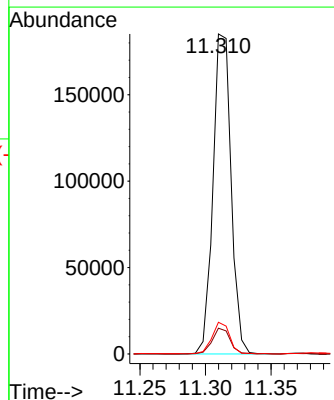
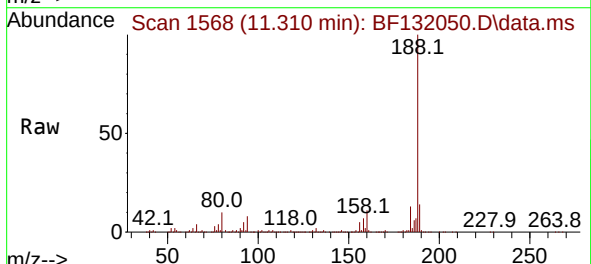
Instrument :
BNA_F
ClientSampleId :
MH-4MS

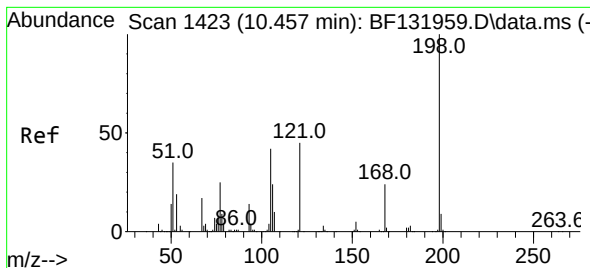
Tgt Ion: 77	Resp: 422168
Ion Ratio	Lower Upper
77 100	
182 25.4	2.9 42.9
105 19.8	0.0 39.3
51 29.0	10.7 50.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:188	Resp: 177785
Ion Ratio	Lower Upper
188 100	
94 8.1	5.8 8.6
80 9.9	7.4 11.0

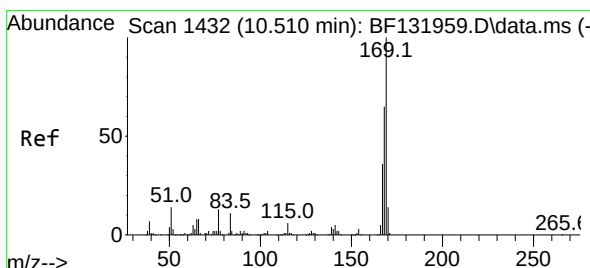
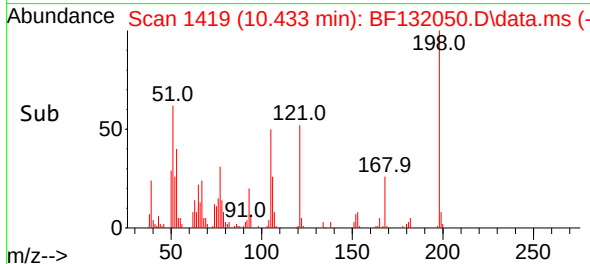
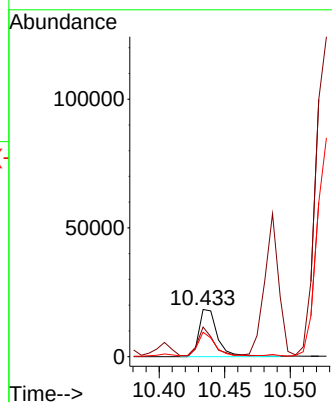
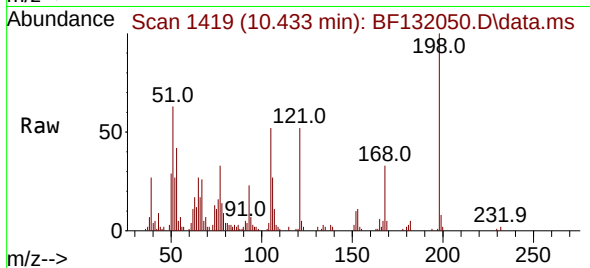




#65
4,6-Dinitro-2-methylphenol
Concen: 15.749 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

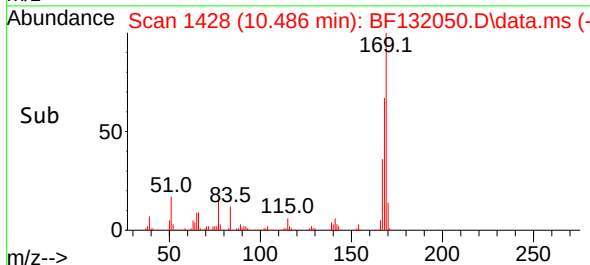
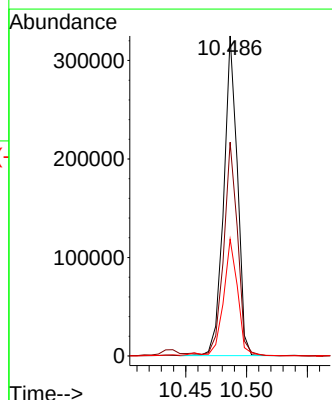
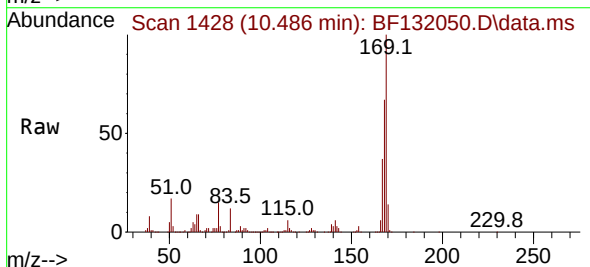
Instrument :
BNA_F
ClientSampleId :
MH-4MS

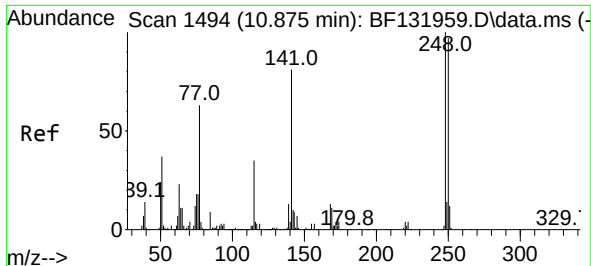
Tgt Ion:198 Resp: 18056
Ion Ratio Lower Upper
198 100
51 62.8 21.4 61.4#
105 51.9 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 45.470 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:169 Resp: 253619
Ion Ratio Lower Upper
169 100
168 66.8 52.5 78.7
167 36.5 28.6 43.0





#67

4-Bromophenyl-phenylether

Concen: 43.763 ng

RT: 10.857 min Scan# 1494

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

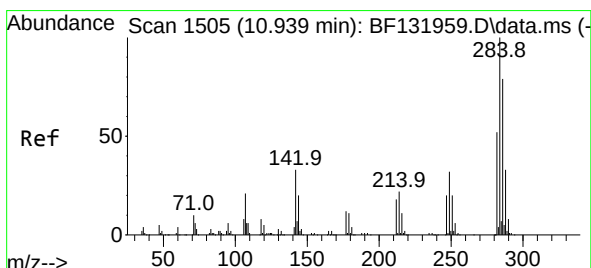
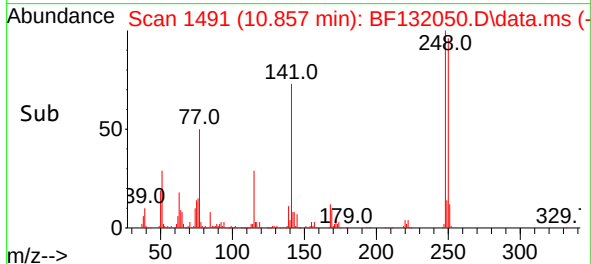
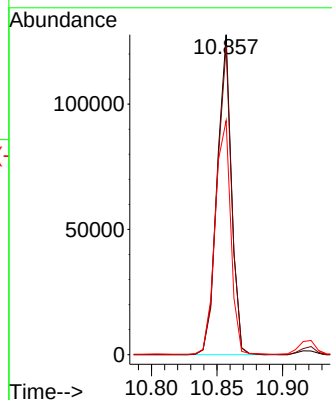
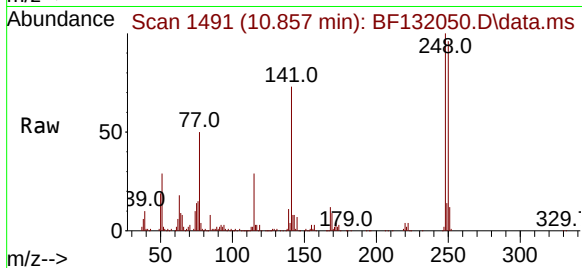
Tgt Ion:248 Resp: 97331

Ion Ratio Lower Upper

248 100

250 96.3 77.4 116.2

141 73.1 65.0 97.6



#68

Hexachlorobenzene

Concen: 44.959 ng

RT: 10.922 min Scan# 1502

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

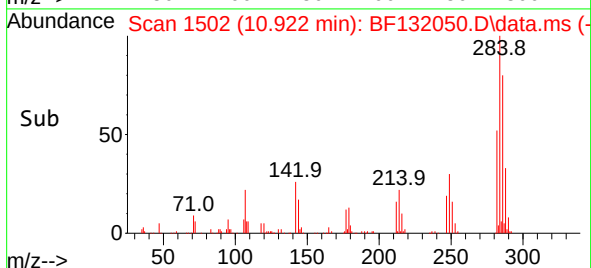
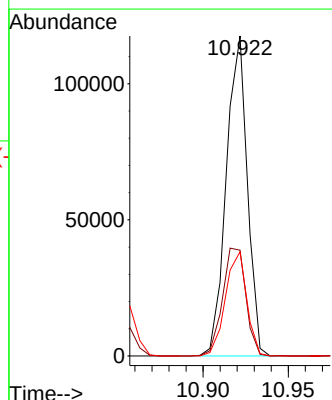
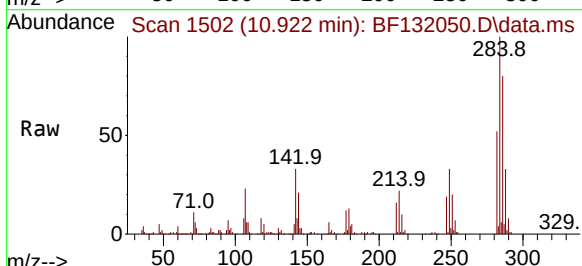
Tgt Ion:284 Resp: 101149

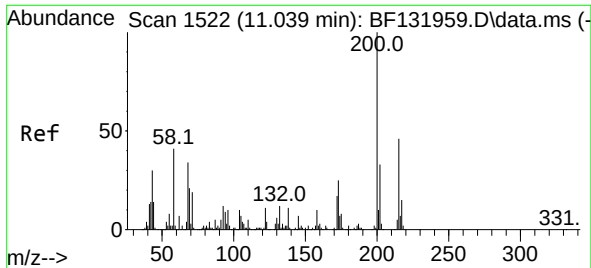
Ion Ratio Lower Upper

284 100

142 33.1 26.4 39.6

249 32.5 25.4 38.2

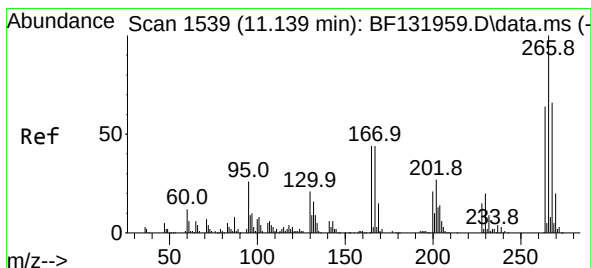
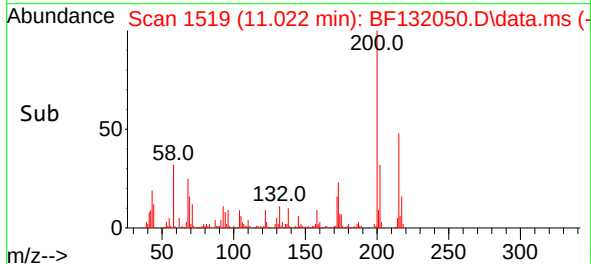
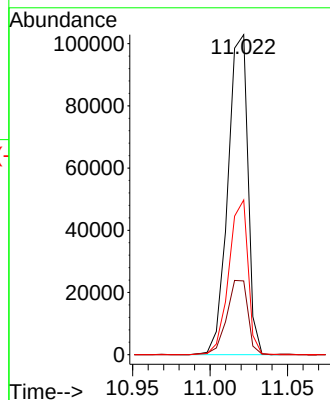
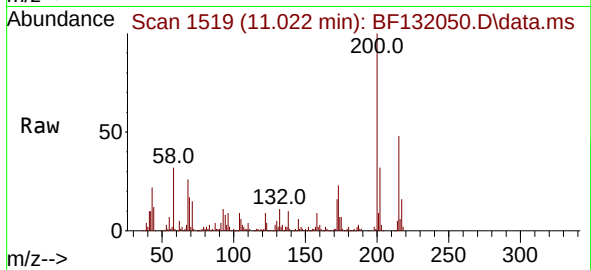




#69
 Atrazine
 Concen: 45.570 ng
 RT: 11.022 min Scan# 1519
 Delta R.T. 0.000 min
 Lab File: BF132050.D
 Acq: 12 Jan 2023 19:50

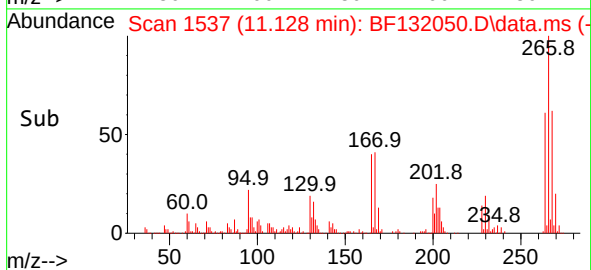
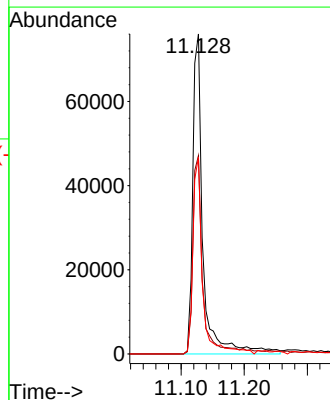
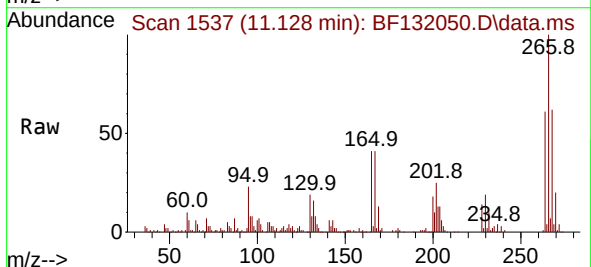
Instrument :
 BNA_F
 ClientSampleId :
 MH-4MS

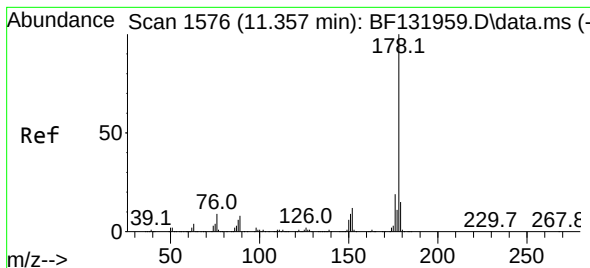
Tgt Ion:200 Resp: 92432
 Ion Ratio Lower Upper
 200 100
 173 23.0 5.1 45.1
 215 48.3 25.6 65.6



#70
 Pentachlorophenol
 Concen: 72.045 ng
 RT: 11.128 min Scan# 1537
 Delta R.T. 0.006 min
 Lab File: BF132050.D
 Acq: 12 Jan 2023 19:50

Tgt Ion:266 Resp: 85887
 Ion Ratio Lower Upper
 266 100
 268 61.9 52.7 79.1
 264 61.5 51.6 77.4





#71

Phenanthrene

Concen: 69.947 ng

RT: 11.339 min Scan# 1573

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

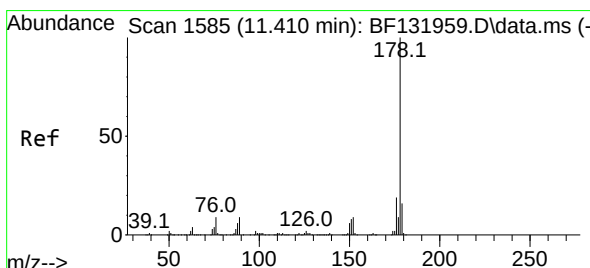
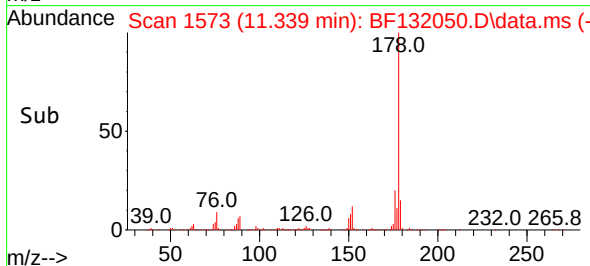
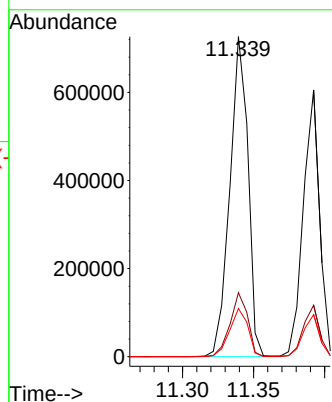
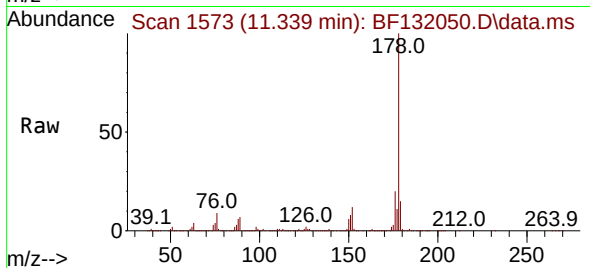
Tgt Ion:178 Resp: 648264

Ion Ratio Lower Upper

178 100

176 20.0 15.5 23.3

179 15.1 12.4 18.6



#72

Anthracene

Concen: 50.769 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.000 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

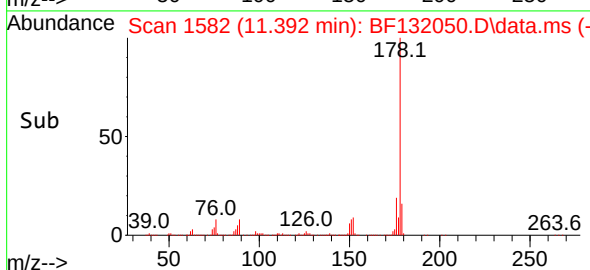
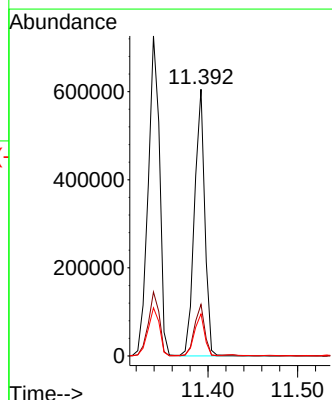
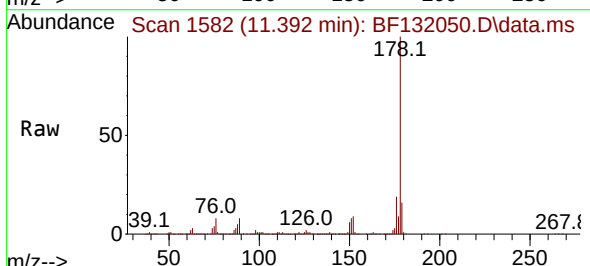
Tgt Ion:178 Resp: 484391

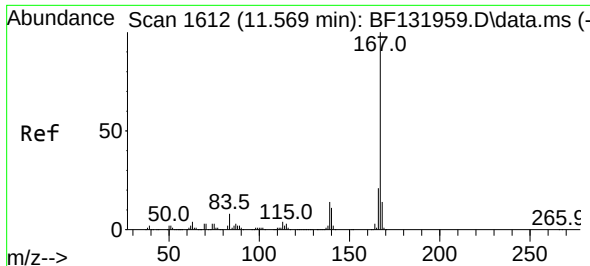
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.8 12.6 19.0

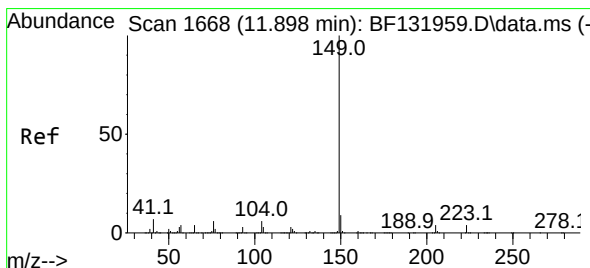
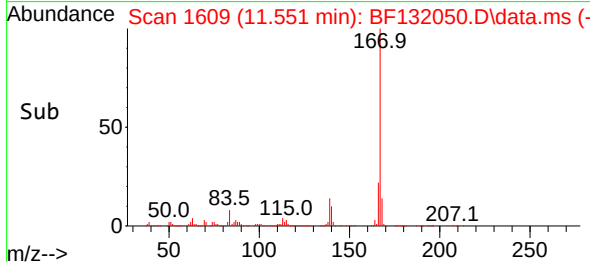
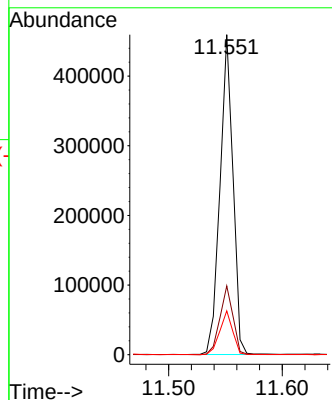
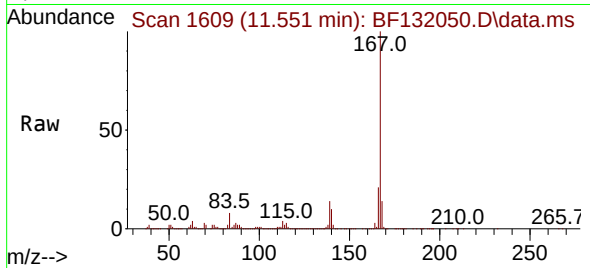




#73
Carbazole
Concen: 46.294 ng
RT: 11.551 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

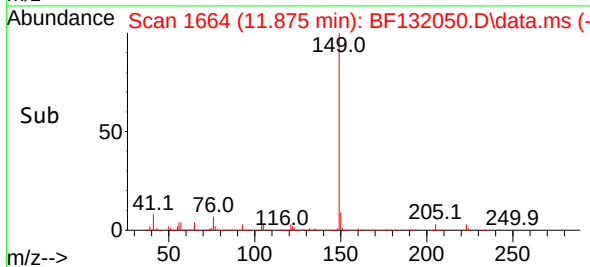
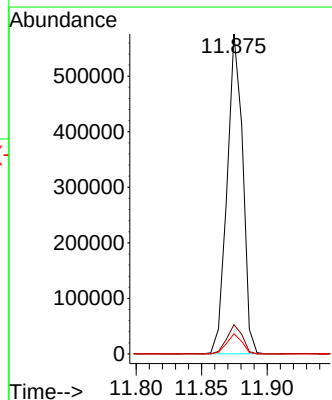
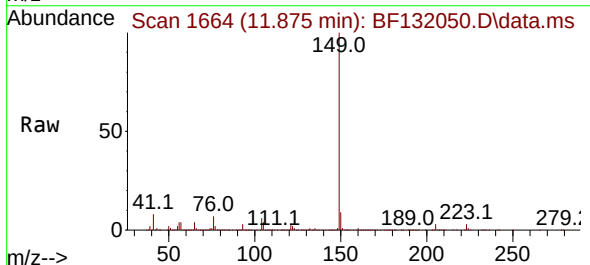
Instrument :
BNA_F
ClientSampleId :
MH-4MS

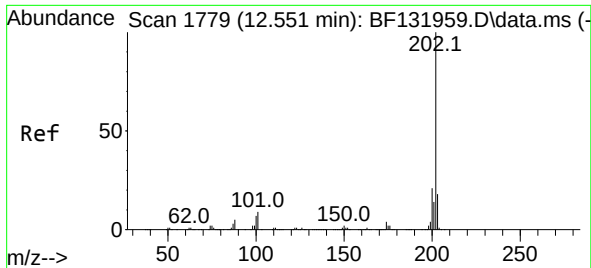
Tgt Ion:167 Resp: 365671
Ion Ratio Lower Upper
167 100
166 21.5 16.8 25.2
139 13.7 11.1 16.7



#74
Di-n-butylphthalate
Concen: 43.366 ng
RT: 11.875 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:149 Resp: 476968
Ion Ratio Lower Upper
149 100
150 9.1 7.3 10.9
104 6.3 5.0 7.6

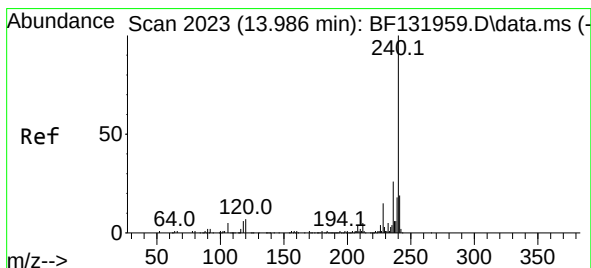
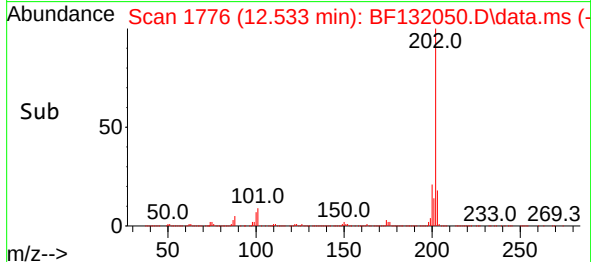
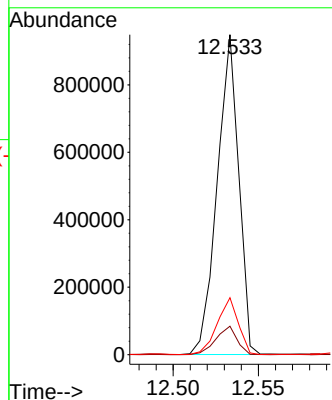
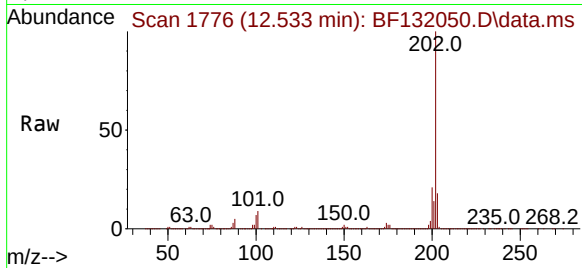




#75
Fluoranthene
Concen: 79.838 ng
RT: 12.533 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

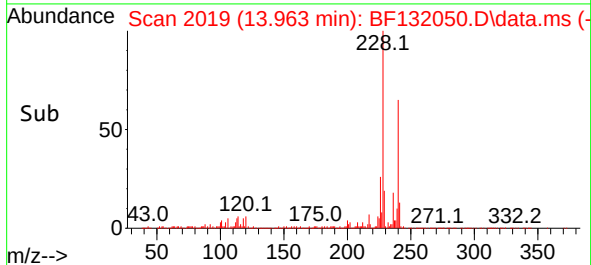
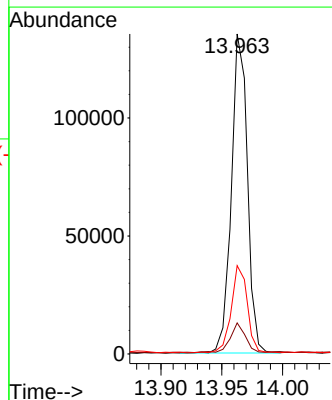
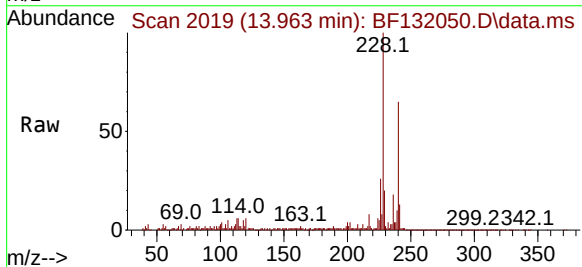
Instrument :
BNA_F
ClientSampleId :
MH-4MS

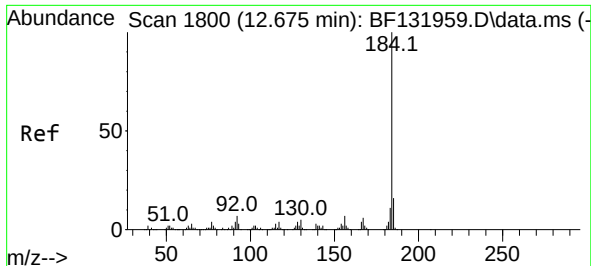
Tgt Ion:202 Resp: 832165
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.8
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:240 Resp: 123188
Ion Ratio Lower Upper
240 100
120 9.7 5.4 8.0#
236 27.6 21.1 31.7

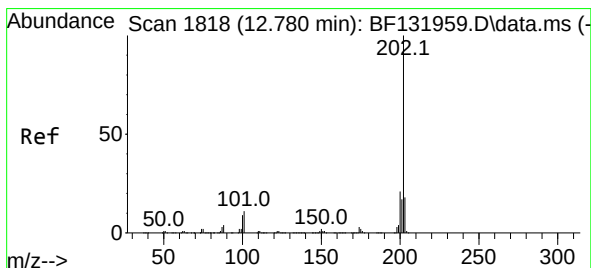
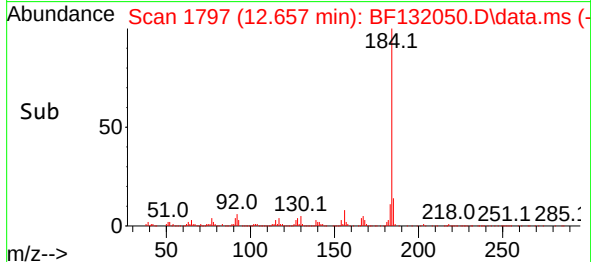
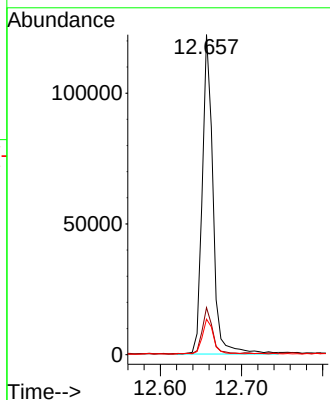
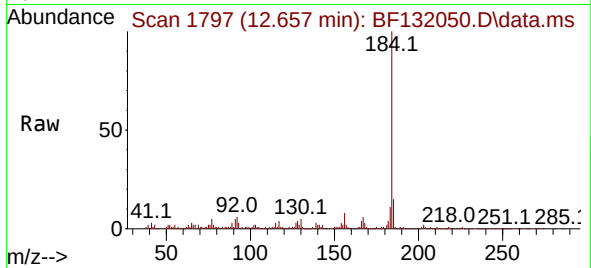




#77
Benzidine
Concen: 27.369 ng
RT: 12.657 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

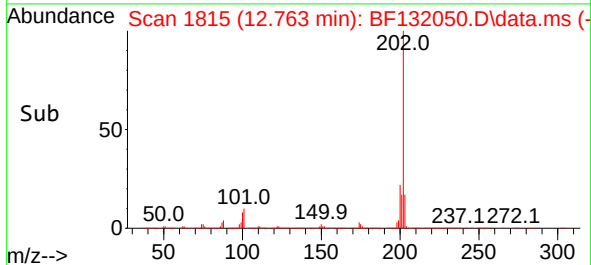
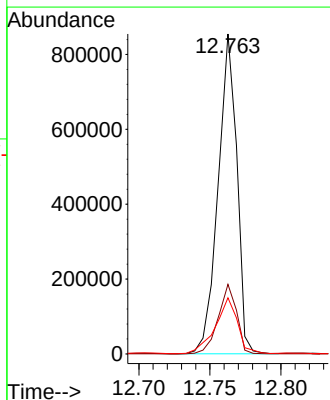
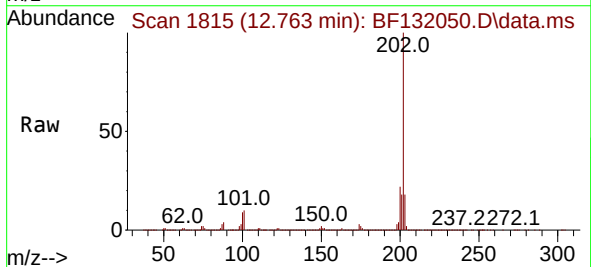
Instrument :
BNA_F
ClientSampleId :
MH-4MS

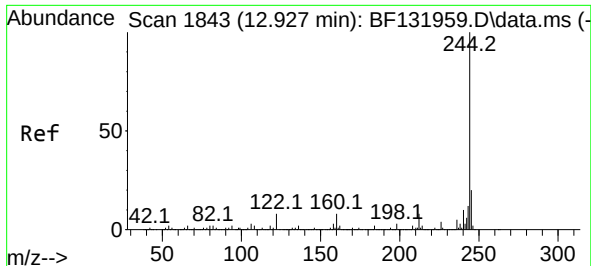
Tgt Ion:184 Resp: 112010
Ion Ratio Lower Upper
184 100
185 14.7 12.8 19.2
183 11.1 9.0 13.4



#78
Pyrene
Concen: 69.609 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:202 Resp: 782094
Ion Ratio Lower Upper
202 100
200 21.8 17.0 25.6
203 17.5 14.1 21.1

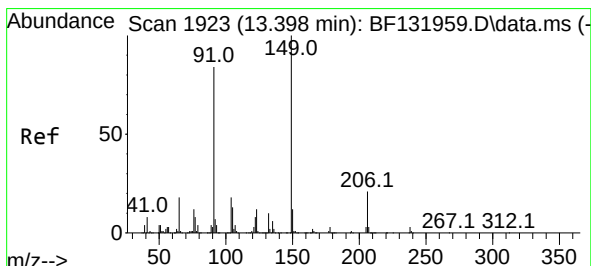
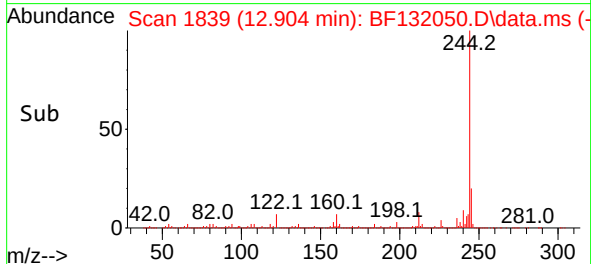
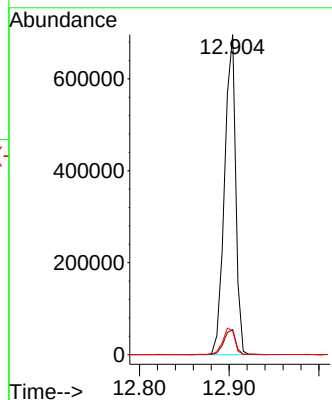
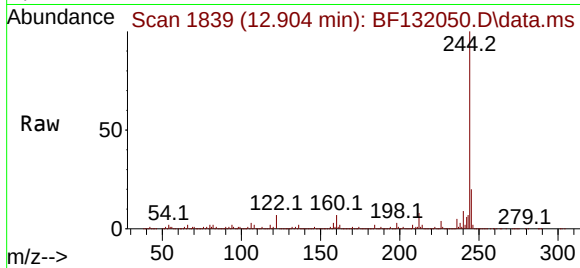




#79
 Terphenyl-d14
 Concen: 69.732 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. 0.000 min
 Lab File: BF132050.D
 Acq: 12 Jan 2023 19:50

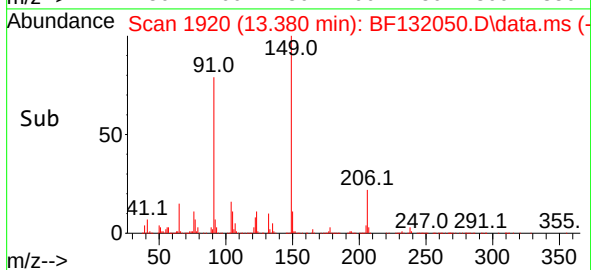
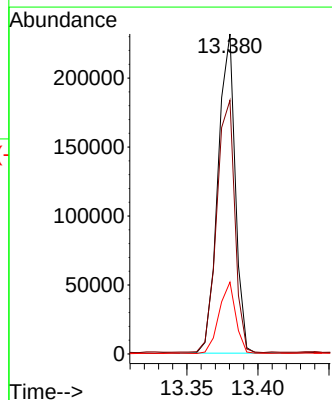
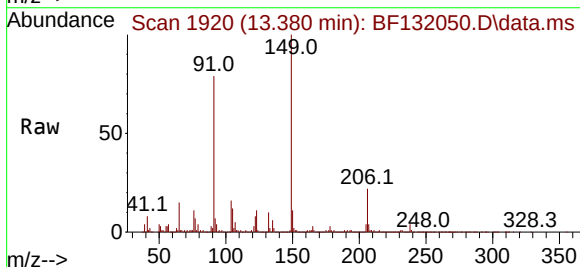
Instrument :
 BNA_F
 ClientSampleId :
 MH-4MS

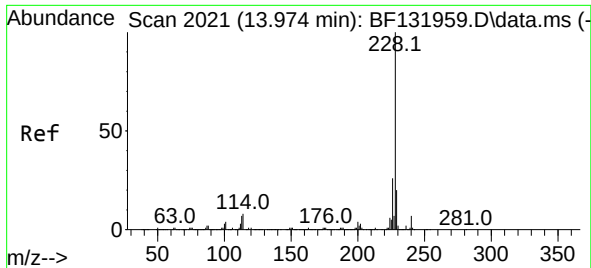
Tgt Ion:244 Resp: 599337
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.3 9.5
 122 7.5 6.8 10.2



#80
 Butylbenzylphthalate
 Concen: 43.101 ng
 RT: 13.380 min Scan# 1920
 Delta R.T. 0.000 min
 Lab File: BF132050.D
 Acq: 12 Jan 2023 19:50

Tgt Ion:149 Resp: 195468
 Ion Ratio Lower Upper
 149 100
 91 79.3 67.0 100.4
 206 22.5 16.9 25.3

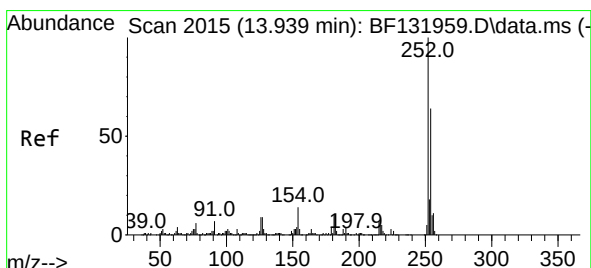
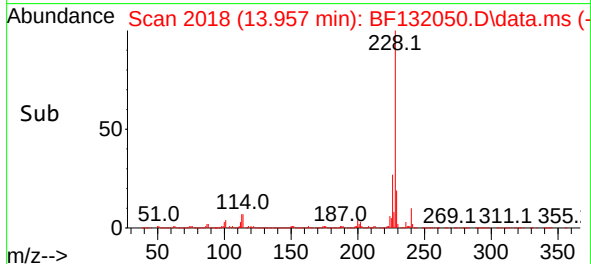
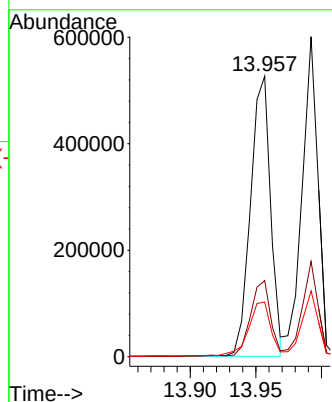
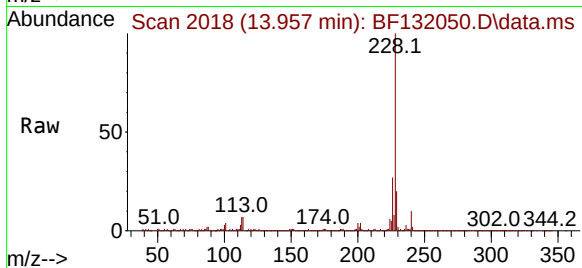




#81
Benzo(a)anthracene
Concen: 62.259 ng
RT: 13.957 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

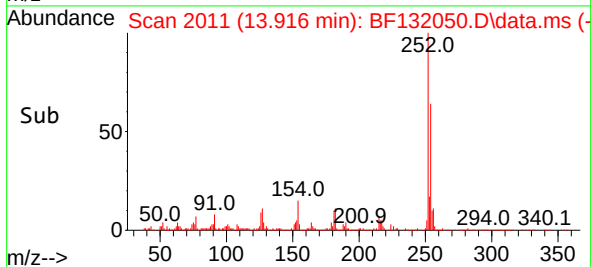
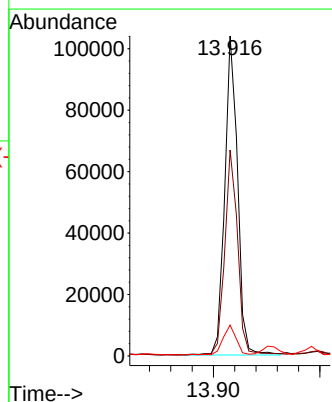
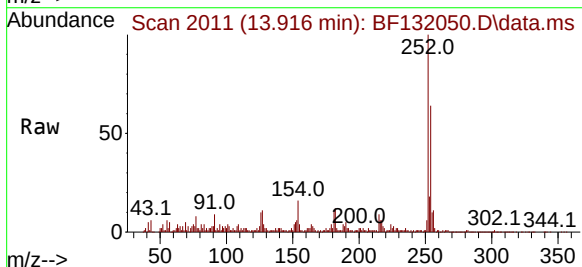
Instrument :
BNA_F
ClientSampleId :
MH-4MS

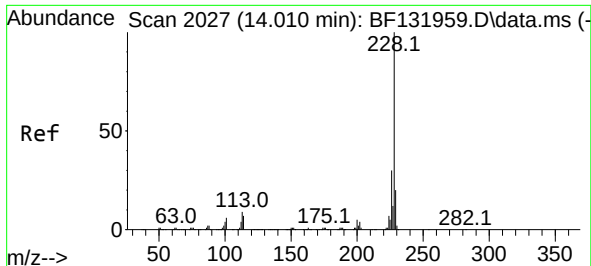
Tgt Ion:228 Resp: 557981
Ion Ratio Lower Upper
228 100
226 27.2 21.0 31.4
229 19.5 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 30.930 ng
RT: 13.916 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:252 Resp: 86516
Ion Ratio Lower Upper
252 100
254 64.3 51.5 77.3
126 9.6 6.9 10.3

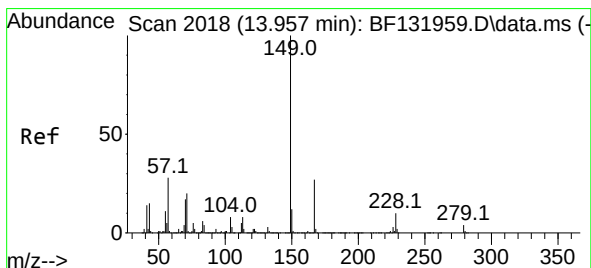
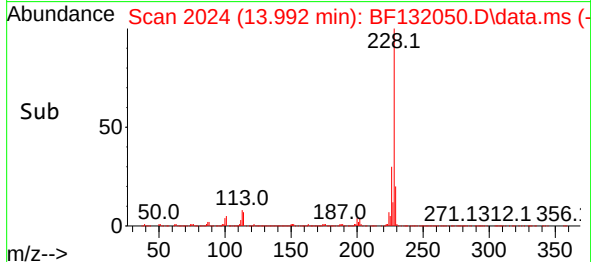
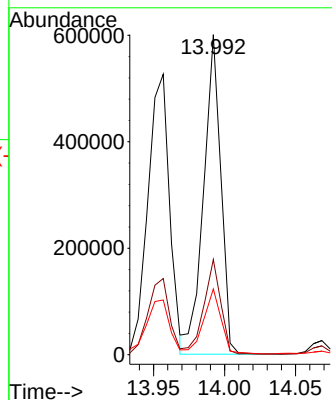
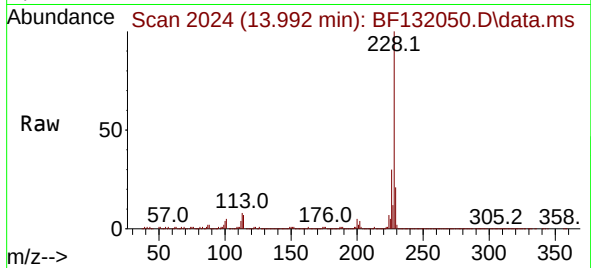




#83
Chrysene
Concen: 60.618 ng
RT: 13.992 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

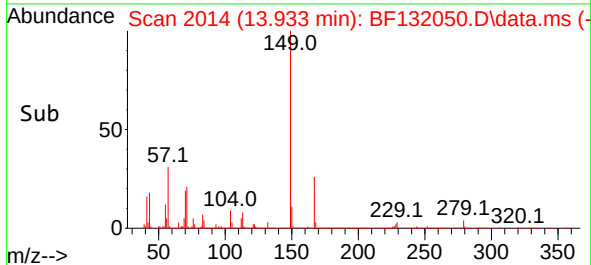
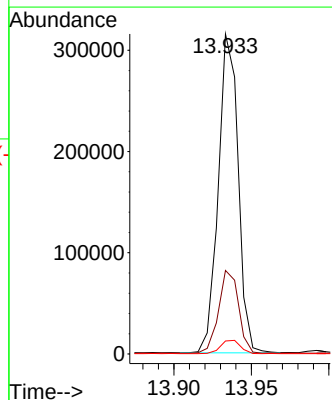
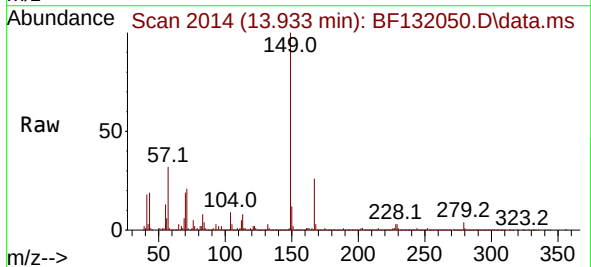
Instrument :
BNA_F
ClientSampleId :
MH-4MS

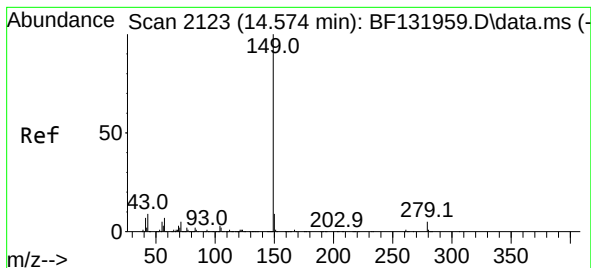
Tgt Ion:228 Resp: 507730
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 20.6 16.2 24.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 45.629 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:149 Resp: 280349
Ion Ratio Lower Upper
149 100
167 26.1 21.3 31.9
279 4.1 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 52.595 ng

RT: 14.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

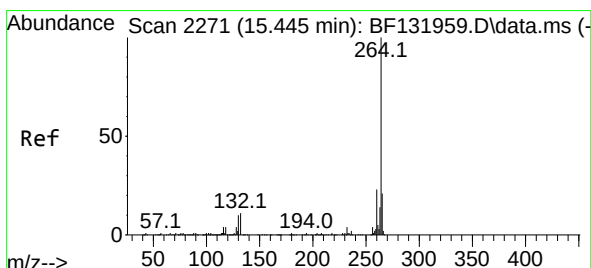
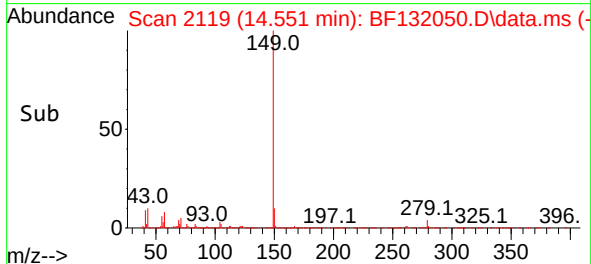
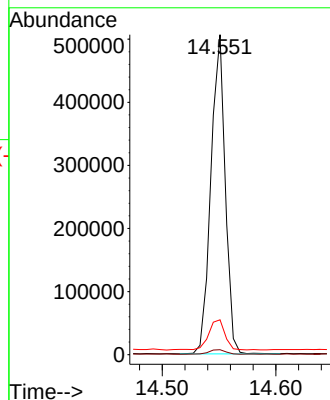
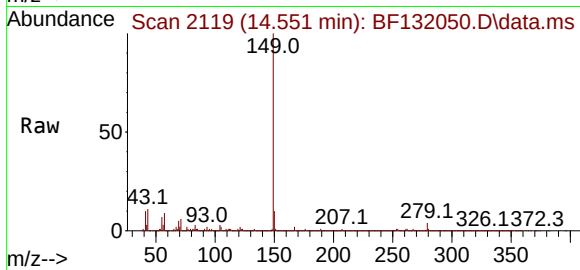
Tgt Ion:149 Resp: 442196

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 11.2 7.8 11.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. 0.006 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

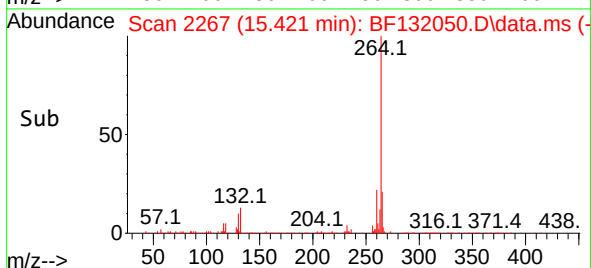
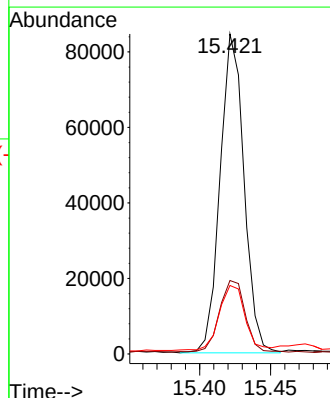
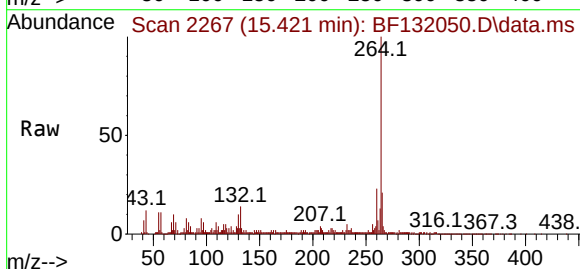
Tgt Ion:264 Resp: 98878

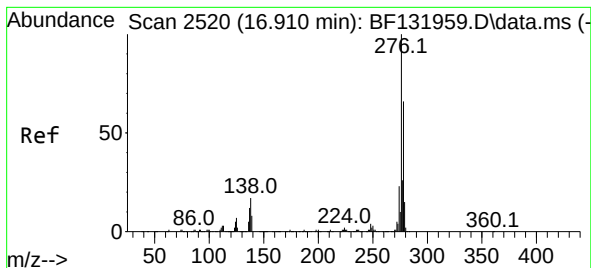
Ion Ratio Lower Upper

264 100

260 22.9 18.3 27.5

265 21.4 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 53.373 ng

RT: 16.886 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

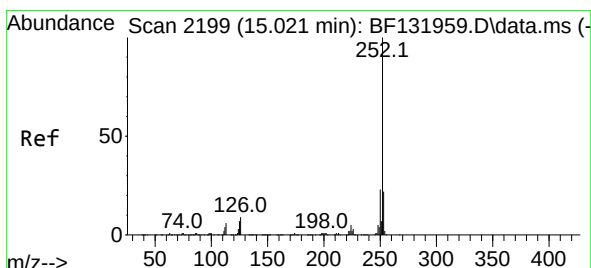
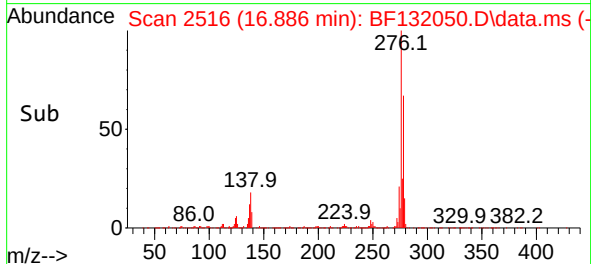
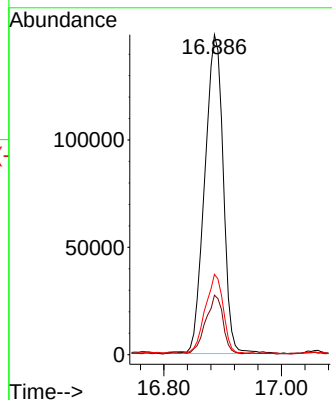
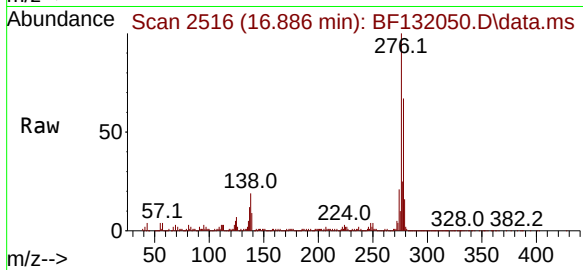
Tgt Ion:276 Resp: 323664

Ion Ratio Lower Upper

276 100

138 17.7 14.2 21.2

277 24.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 66.548 ng

RT: 15.004 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

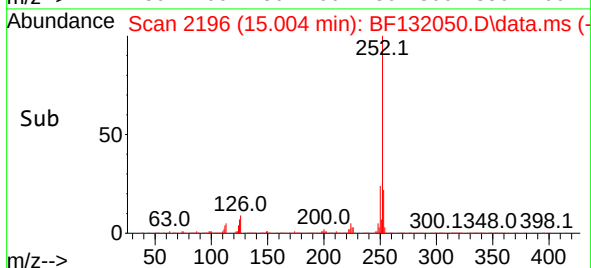
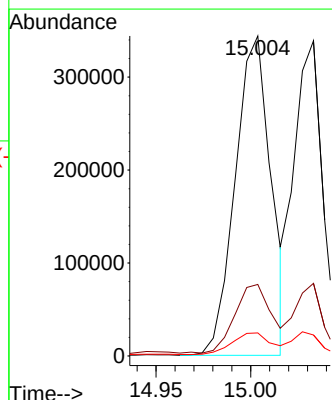
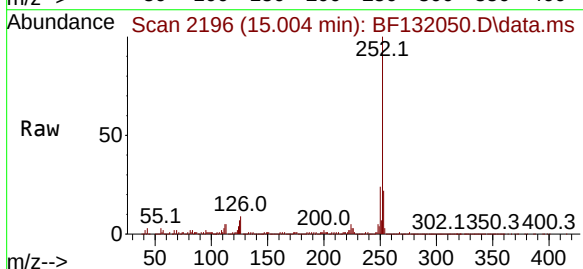
Tgt Ion:252 Resp: 451321

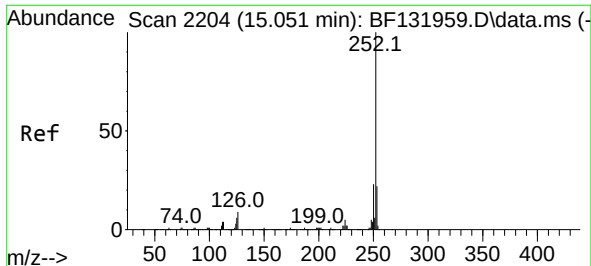
Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

125 7.2 5.8 8.6

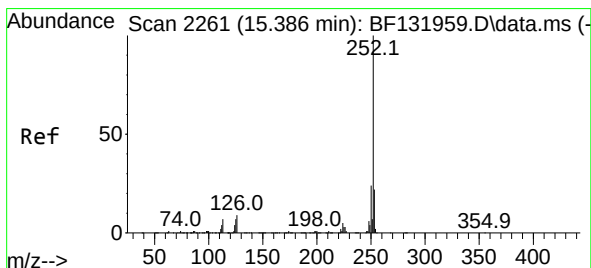
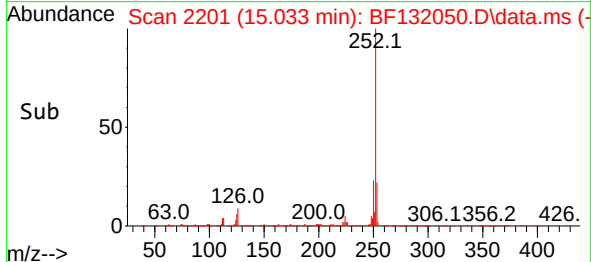
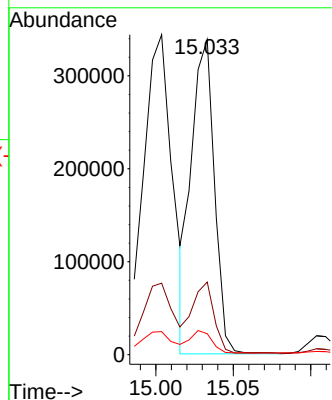
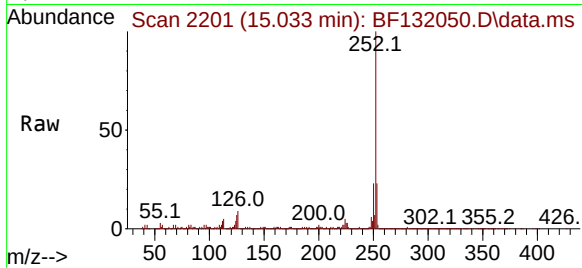




#89
Benzo(k)fluoranthene
Concen: 51.702 ng
RT: 15.033 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

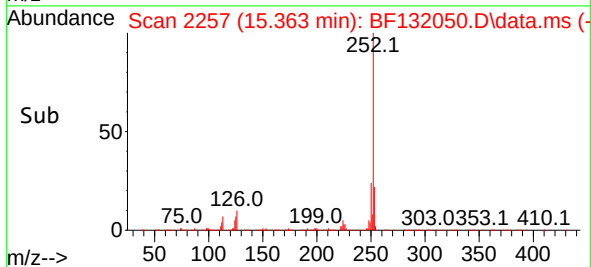
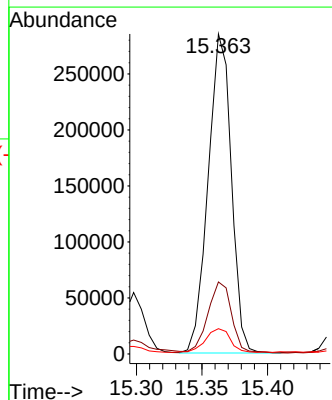
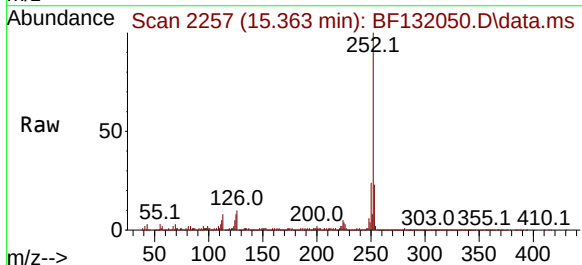
Instrument :
BNA_F
ClientSampleId :
MH-4MS

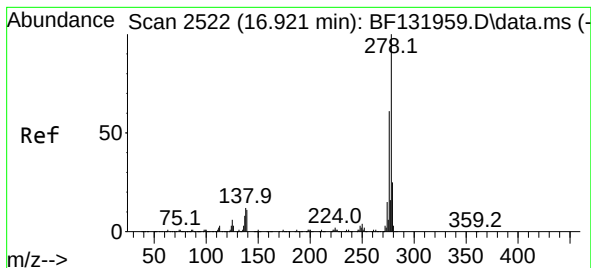
Tgt Ion:252 Resp: 349938
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 6.6 5.2 7.8



#90
Benzo(a)pyrene
Concen: 57.400 ng
RT: 15.363 min Scan# 2257
Delta R.T. 0.006 min
Lab File: BF132050.D
Acq: 12 Jan 2023 19:50

Tgt Ion:252 Resp: 350737
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 7.9 5.7 8.5





#91

Dibenzo(a,h)anthracene

Concen: 46.926 ng

RT: 16.898 min Scan# 2518

Delta R.T. 0.012 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Instrument :

BNA_F

ClientSampleId :

MH-4MS

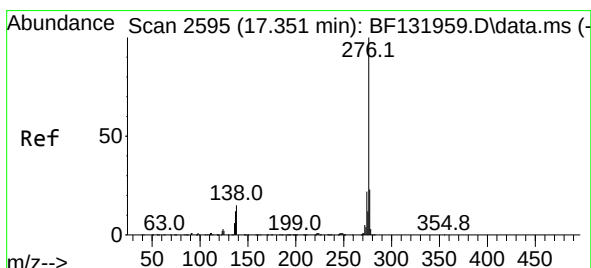
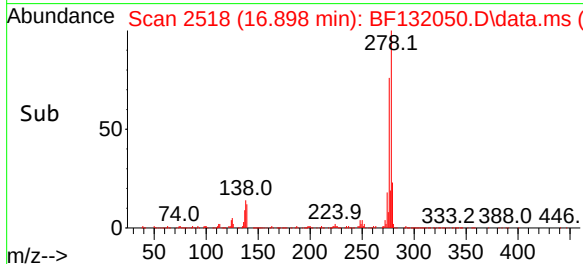
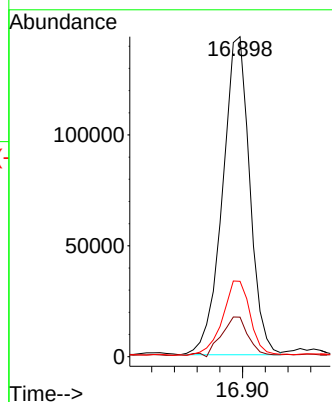
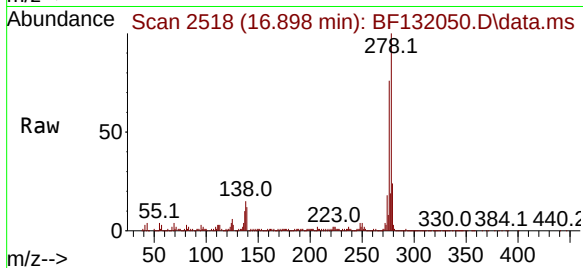
Tgt Ion:278 Resp: 238545

Ion Ratio Lower Upper

278 100

139 12.3 8.8 13.2

279 23.6 19.8 29.6



#92

Benzo(g,h,i)perylene

Concen: 47.886 ng

RT: 17.321 min Scan# 2590

Delta R.T. 0.006 min

Lab File: BF132050.D

Acq: 12 Jan 2023 19:50

Tgt Ion:276 Resp: 260602

Ion Ratio Lower Upper

276 100

277 23.7 18.2 27.2

138 15.7 11.7 17.5

