

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
 Data File : BF132051.D
 Acq On : 12 Jan 2023 20:23
 Operator : CG\JU
 Sample : 01124-04MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-4MSD

Quant Time: Jan 13 01:38:01 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	6.775	152	59040	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	195445	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	94173	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	168822	20.000	ng	0.00
76) Chrysene-d12	13.963	240	121635	20.000	ng	# 0.00
86) Perylene-d12	15.427	264	96245	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	442621	123.534	ng	0.01
7) Phenol-d6	6.422	99	551825	116.158	ng	0.00
23) Nitrobenzene-d5	7.345	82	387661	82.321	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	116167	107.285	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	592873	84.988	ng	0.00
79) Terphenyl-d14	12.904	244	589721	69.489	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	68561	43.813	ng	99
3) Pyridine	3.216	79	193092	43.965	ng	99
4) n-Nitrosodimethylamine	3.187	42	99078	48.001	ng	# 90
6) Aniline	6.440	93	153341	24.532	ng	# 1
8) 2-Chlorophenol	6.563	128	169537	47.161	ng	98
9) Benzaldehyde	6.322	77	103698	32.805	ng	99
10) Phenol	6.434	94	232925	43.952	ng	94
11) bis(2-Chloroethyl)ether	6.510	93	181456	45.421	ng	97
12) 1,3-Dichlorobenzene	6.710	146	192398	48.051	ng	98
13) 1,4-Dichlorobenzene	6.793	146	195919	48.359	ng	98
14) 1,2-Dichlorobenzene	6.940	146	182384	47.401	ng	98
15) Benzyl Alcohol	6.928	79	182013	43.997	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.051	45	227356	45.096	ng	# 31
17) 2-Methylphenol	7.045	107	147955	41.589	ng	93
18) Hexachloroethane	7.281	117	72760	43.428	ng	96
19) n-Nitroso-di-n-propyla...	7.198	70	146359	42.589	ng	96
20) 3+4-Methylphenols	7.198	107	188726	41.321	ng	# 85
22) Acetophenone	7.193	105	274939	48.316	ng	# 92
24) Nitrobenzene	7.369	77	220573	46.009	ng	99
25) Isophorone	7.604	82	383129	43.550	ng	99
26) 2-Nitrophenol	7.681	139	85342	45.242	ng	97
27) 2,4-Dimethylphenol	7.728	122	148140	47.049	ng	97
28) bis(2-Chloroethoxy)met...	7.816	93	217325	44.635	ng	99
29) 2,4-Dichlorophenol	7.934	162	140751	43.643	ng	97
30) 1,2,4-Trichlorobenzene	8.004	180	170714	46.219	ng	98
31) Naphthalene	8.087	128	465699	45.087	ng	100
32) Benzoic acid	7.869	122	63470	34.770	ng	91
33) 4-Chloroaniline	8.140	127	61489	14.426	ng	96
34) Hexachlorobutadiene	8.198	225	118138	46.133	ng	98
35) Caprolactam	8.522	113	29575	31.223	ng	97
36) 4-Chloro-3-methylphenol	8.640	107	148382	39.200	ng	99
37) 2-Methylnaphthalene	8.781	142	295384	39.819	ng	99
38) 1-Methylnaphthalene	8.881	142	272431	39.639	ng	97
40) 1,2,4,5-Tetrachloroben...	8.945	216	166329	50.122	ng	98
41) Hexachlorocyclopentadiene	8.928	237	22260	19.914	ng	96
43) 2,4,6-Trichlorophenol	9.063	196	96682	48.403	ng	96

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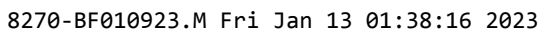
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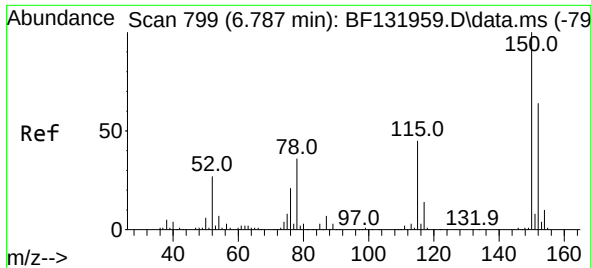
Quant Time: Jan 13 01:38:01 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 23:59:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	99159	42.641	ng	98
46) 1,1'-Biphenyl	9.245	154	363975	50.075	ng	100
47) 2-Chloronaphthalene	9.269	162	279895	49.614	ng	98
48) 2-Nitroaniline	9.375	65	99370	48.495	ng	97
49) Acenaphthylene	9.686	152	409490	46.775	ng	99
50) Dimethylphthalate	9.551	163	345860	47.115	ng	100
51) 2,6-Dinitrotoluene	9.616	165	69469	44.995	ng	# 85
52) Acenaphthene	9.857	154	249534	47.485	ng	100
53) 3-Nitroaniline	9.786	138	47838	31.937	ng	99
54) 2,4-Dinitrophenol	9.904	184	13808	17.812	ng	96
55) Dibenzofuran	10.028	168	374321	45.189	ng	97
56) 4-Nitrophenol	9.969	139	74812	88.671	ng	96
57) 2,4-Dinitrotoluene	10.028	165	86436	41.874	ng	96
58) Fluorene	10.375	166	305984	46.242	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	74075	42.751	ng	92
60) Diethylphthalate	10.251	149	320826	44.447	ng	100
61) 4-Chlorophenyl-phenyle...	10.363	204	157900	41.684	ng	91
62) 4-Nitroaniline	10.404	138	51272	38.067	ng	93
63) Azobenzene	10.528	77	398642	52.062	ng	96
65) 4,6-Dinitro-2-methylph...	10.439	198	12587	11.561	ng	92
66) n-Nitrosodiphenylamine	10.486	169	244020	46.072	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	89565	42.409	ng	96
68) Hexachlorobenzene	10.922	284	96408	45.126	ng	99
69) Atrazine	11.016	200	88008	45.693	ng	98
70) Pentachlorophenol	11.128	266	78336	69.371	ng	98
71) Phenanthrene	11.339	178	619418	70.382	ng	99
72) Anthracene	11.392	178	472126	52.111	ng	99
73) Carbazole	11.551	167	356998	47.595	ng	99
74) Di-n-butylphthalate	11.875	149	463325	44.362	ng	99
75) Fluoranthene	12.533	202	820957	82.944	ng	99
77) Benzidine	12.657	184	138592	34.297	ng	96
78) Pyrene	12.763	202	770198	69.426	ng	99
80) Butylbenzylphthalate	13.380	149	191889	42.852	ng	97
81) Benzo(a)anthracene	13.957	228	543354	61.401	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	99845	36.151	ng	99
83) Chrysene	13.992	228	476560	57.623	ng	99
84) Bis(2-ethylhexyl)phtha...	13.933	149	273818	45.135	ng	99
85) Di-n-octyl phthalate	14.551	149	431739	52.006	ng	97
87) Indeno(1,2,3-cd)pyrene	16.892	276	313833	53.168	ng	98
88) Benzo(b)fluoranthene	15.004	252	422186	63.955	ng	99
89) Benzo(k)fluoranthene	15.033	252	343329	52.114	ng	99
90) Benzo(a)pyrene	15.368	252	338264	56.874	ng	99
91) Dibenzo(a,h)anthracene	16.898	278	230980	46.680	ng	96
92) Benzo(g,h,i)perylene	17.327	276	252741	47.724	ng	97

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

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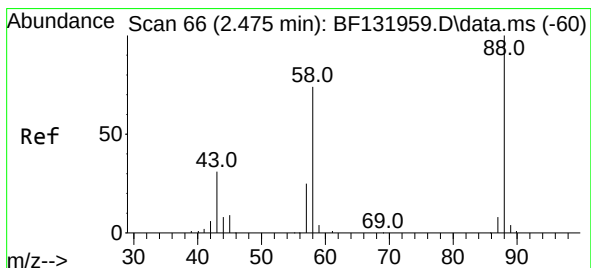
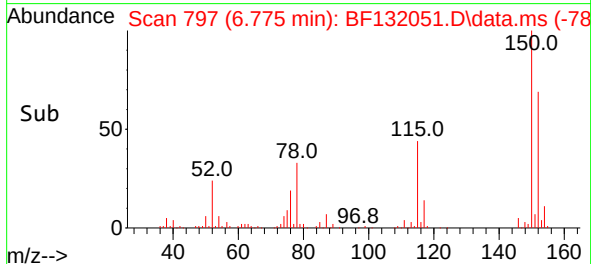
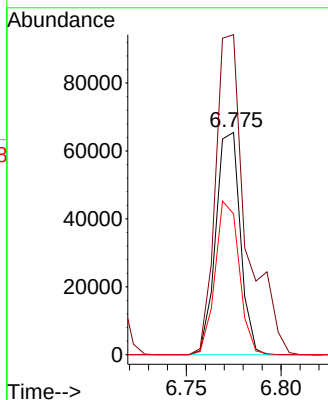
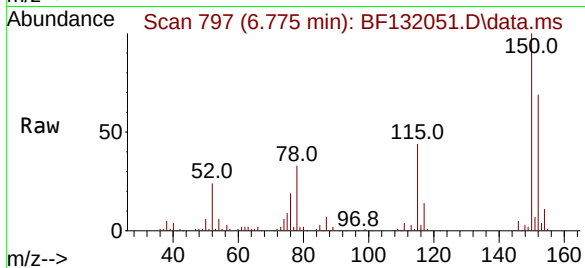




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.775 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF132051.D
 Acq: 12 Jan 2023 20:23

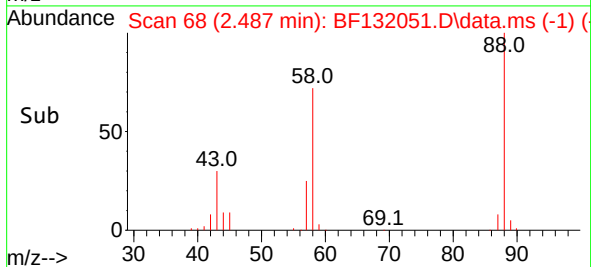
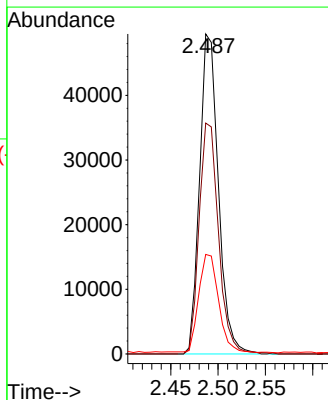
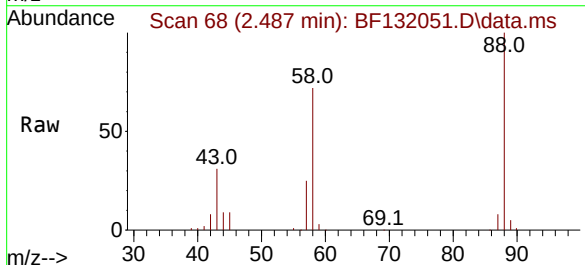
Instrument :
 BNA_F
 ClientSampleId :
 MH-4MSD

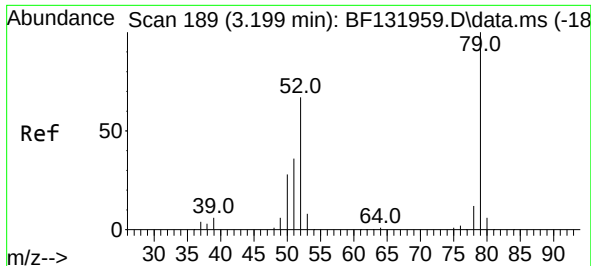
Tgt Ion:152 Resp: 59040
 Ion Ratio Lower Upper
 152 100
 150 144.0 124.6 186.8
 115 63.4 55.6 83.4



#2
 1,4-Dioxane
 Concen: 43.813 ng
 RT: 2.487 min Scan# 68
 Delta R.T. 0.053 min
 Lab File: BF132051.D
 Acq: 12 Jan 2023 20:23

Tgt Ion: 88 Resp: 68561
 Ion Ratio Lower Upper
 88 100
 58 74.0 59.0 88.4
 43 32.6 24.6 37.0





#3

Pyridine

Concen: 43.965 ng

RT: 3.216 min Scan# 192

Delta R.T. 0.059 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

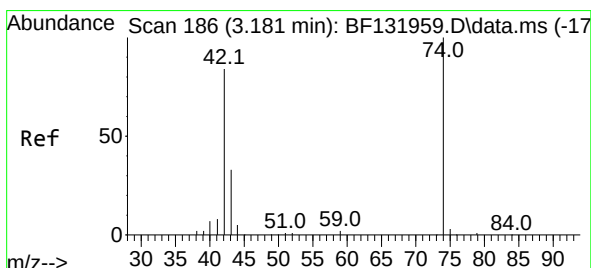
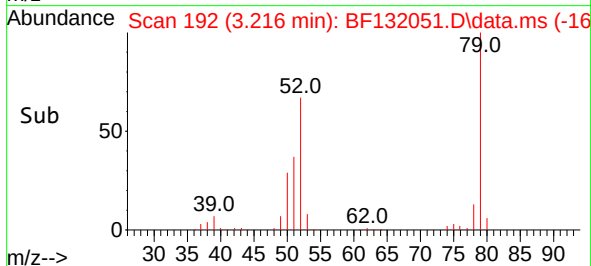
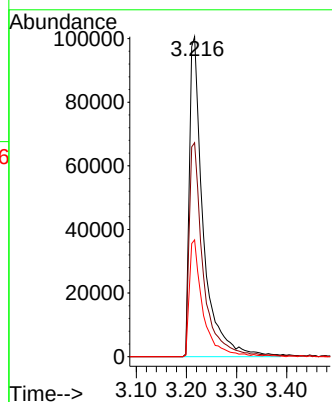
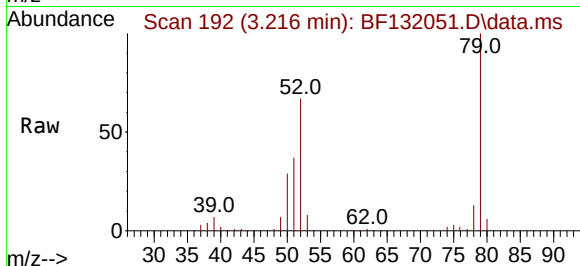
Tgt Ion: 79 Resp: 193092

Ion Ratio Lower Upper

79 100

52 66.9 53.7 80.5

51 36.5 28.6 43.0



#4

n-Nitrosodimethylamine

Concen: 48.001 ng

RT: 3.187 min Scan# 187

Delta R.T. 0.053 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

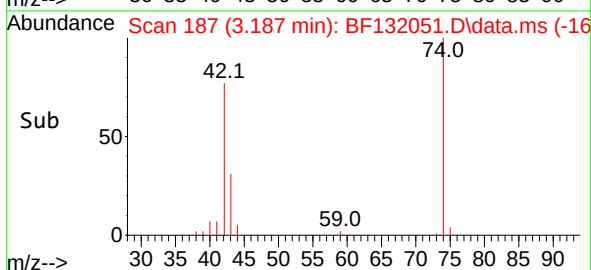
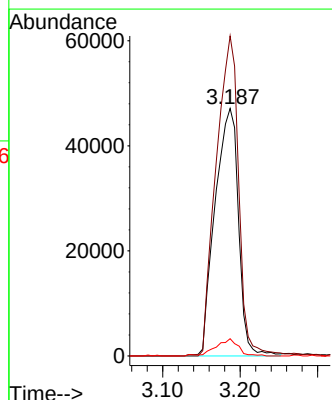
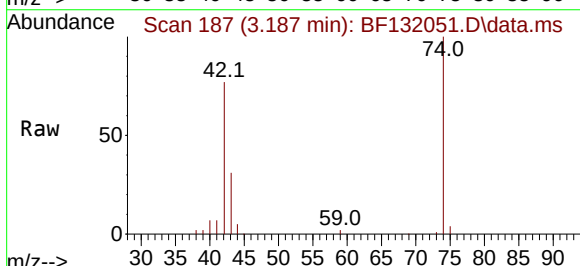
Tgt Ion: 42 Resp: 99078

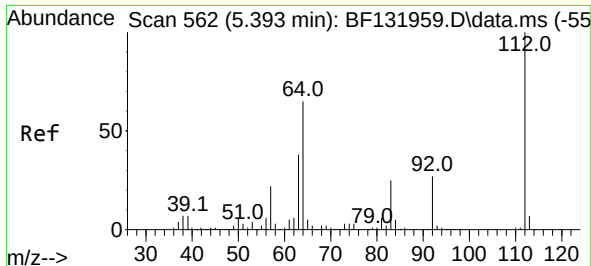
Ion Ratio Lower Upper

42 100

74 129.3 94.8 142.2

44 7.0 4.5 6.7

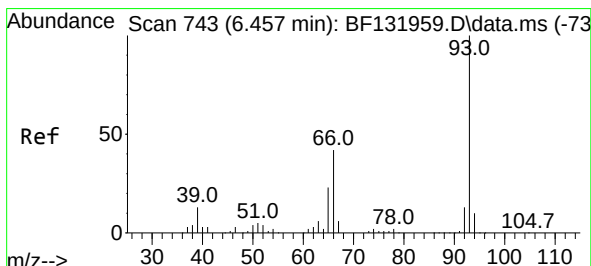
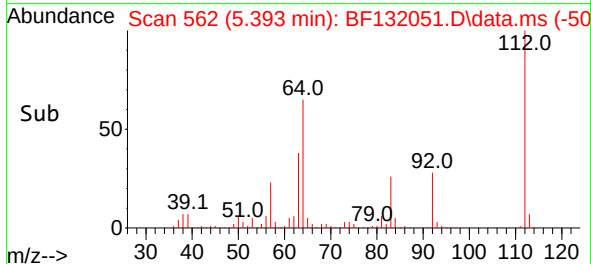
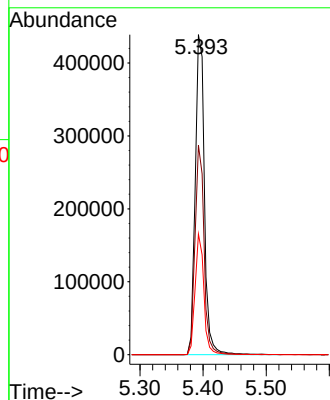
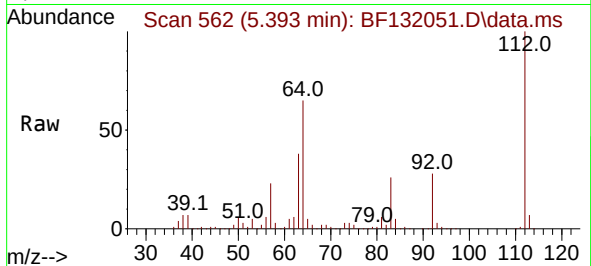




#5
2-Fluorophenol
Concen: 123.534 ng
RT: 5.393 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

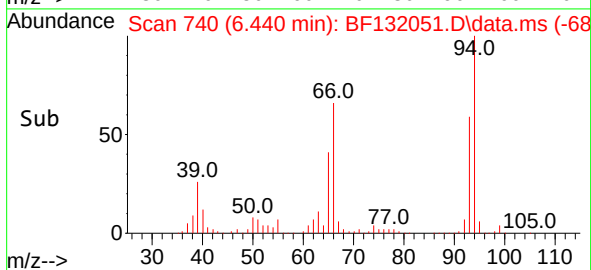
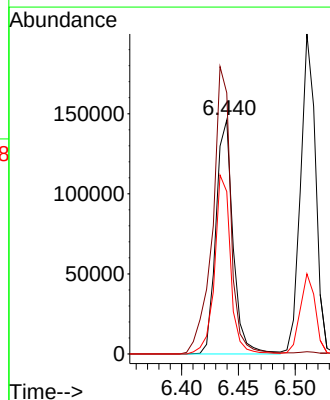
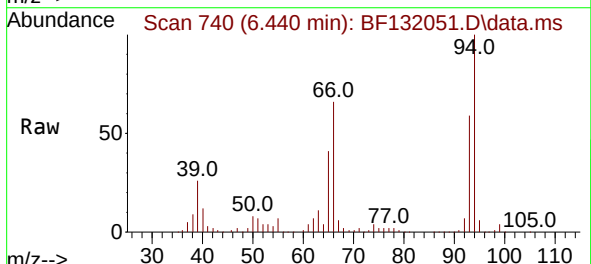
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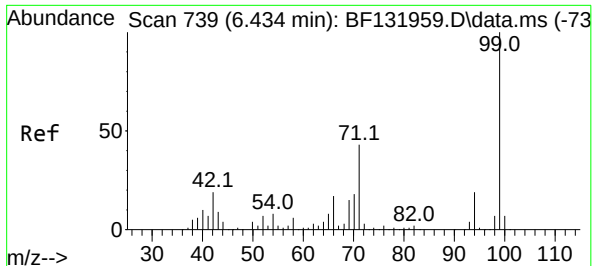
Tgt Ion:112 Resp: 442621
Ion Ratio Lower Upper
112 100
64 65.5 51.9 77.9
63 37.7 30.2 45.2



#6
Aniline
Concen: 24.532 ng
RT: 6.440 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion: 93 Resp: 153341
Ion Ratio Lower Upper
93 100
66 111.6 34.6 51.8#
65 69.4 18.2 27.2#

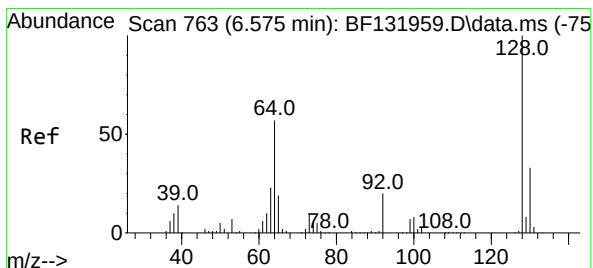
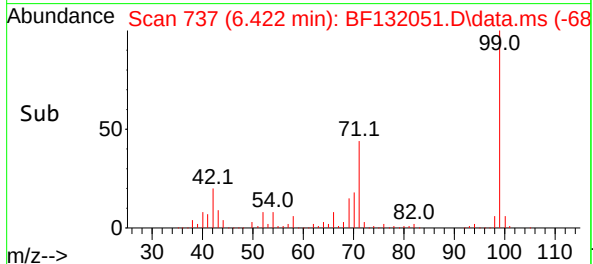
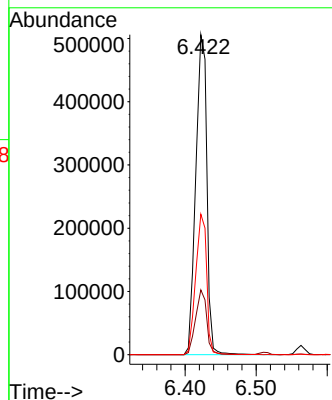
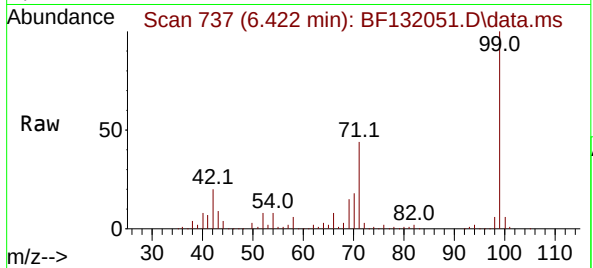




#7
Phenol-d6
Concen: 116.158 ng
RT: 6.422 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

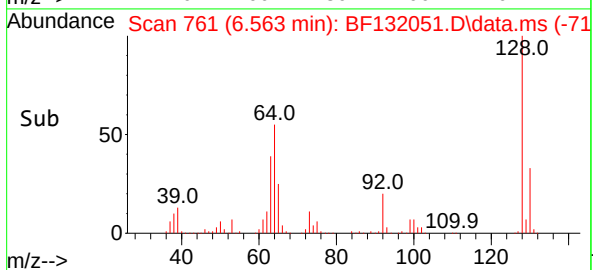
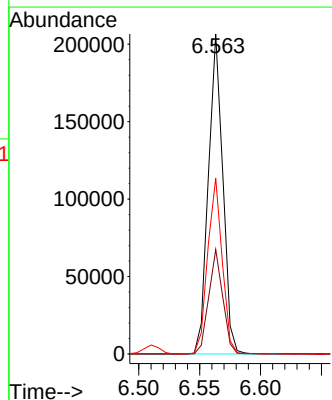
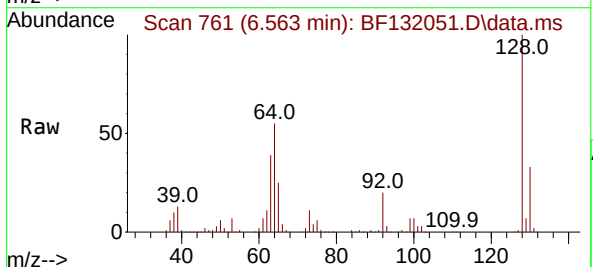
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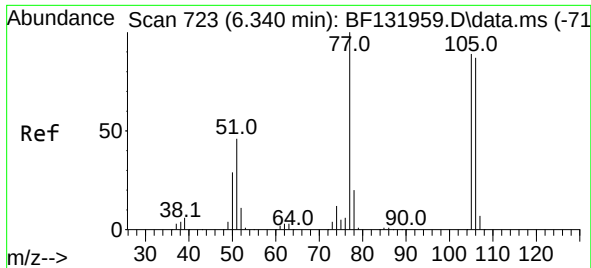
Tgt Ion: 99 Resp: 551825
Ion Ratio Lower Upper
99 100
42 20.2 15.4 23.2
71 43.9 34.6 51.8



#8
2-Chlorophenol
Concen: 47.161 ng
RT: 6.563 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion: 128 Resp: 169537
Ion Ratio Lower Upper
128 100
130 32.7 12.5 52.5
64 55.0 37.6 77.6





#9

Benzaldehyde

Concen: 32.805 ng

RT: 6.322 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

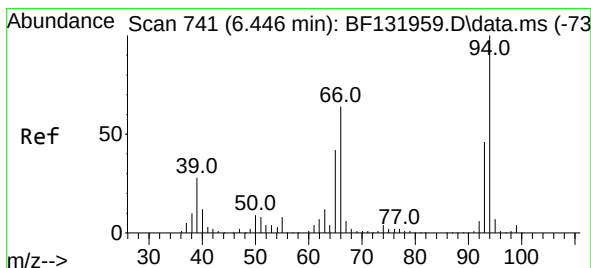
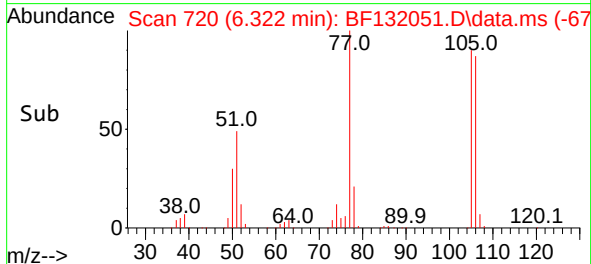
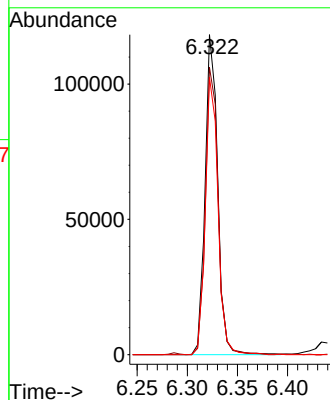
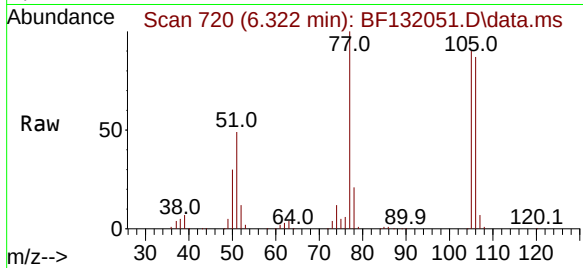
Tgt Ion: 77 Resp: 103698

Ion Ratio Lower Upper

77 100

105 89.7 69.0 109.0

106 86.6 67.0 107.0



#10

Phenol

Concen: 43.952 ng

RT: 6.434 min Scan# 739

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

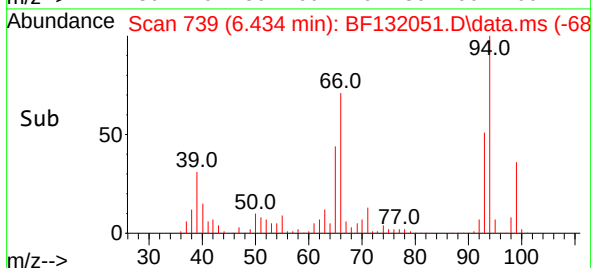
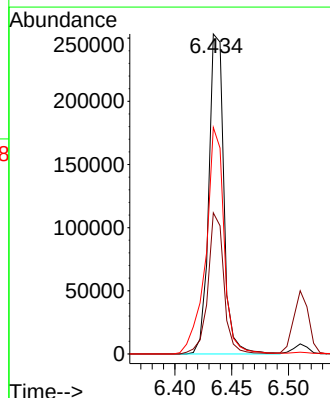
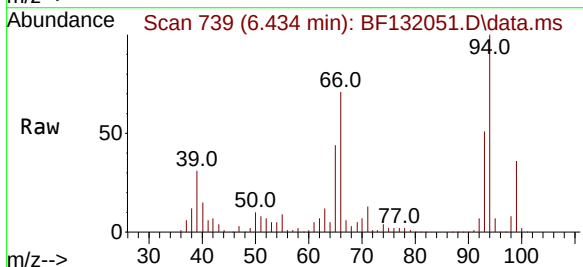
Tgt Ion: 94 Resp: 232925

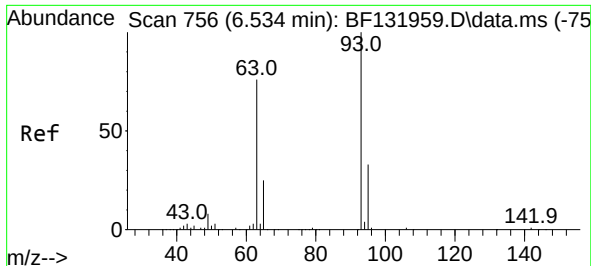
Ion Ratio Lower Upper

94 100

65 44.1 22.2 62.2

66 70.8 44.4 84.4

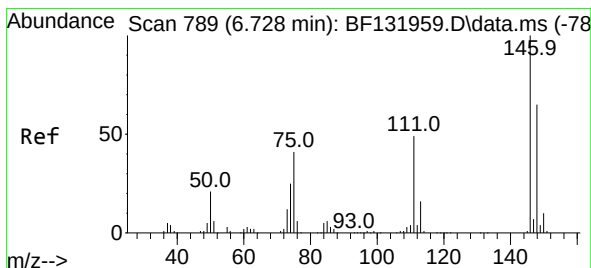
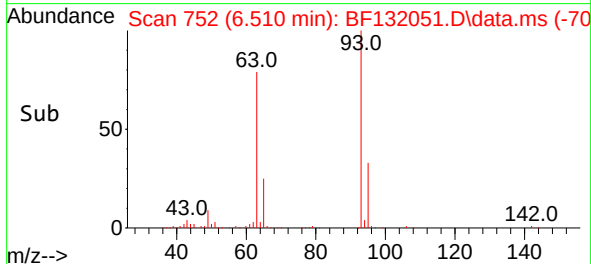
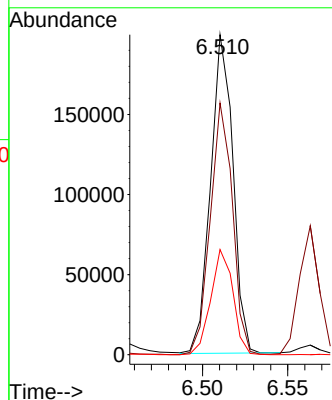
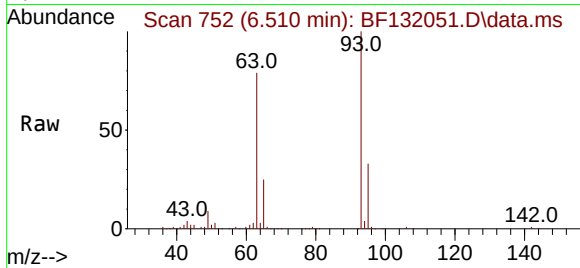




#11
bis(2-Chloroethyl)ether
Concen: 45.421 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

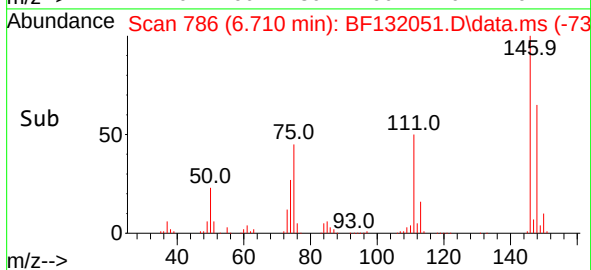
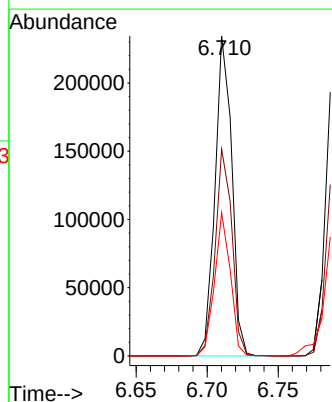
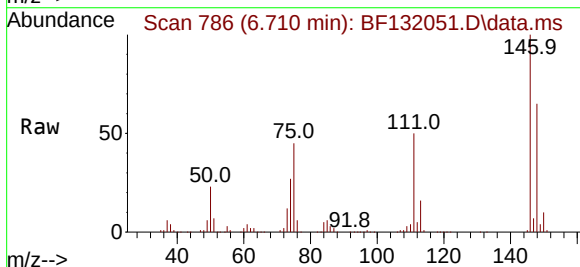
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

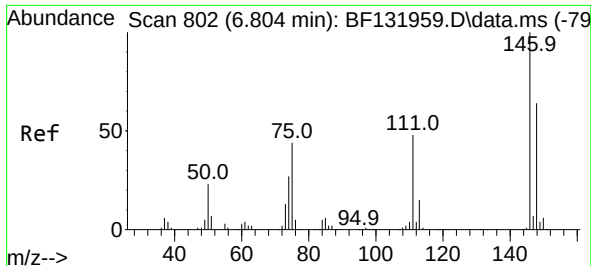
Tgt Ion: 93 Resp: 181456
Ion Ratio Lower Upper
93 100
63 78.7 55.5 95.5
95 32.8 13.1 53.1



#12
1,3-Dichlorobenzene
Concen: 48.051 ng
RT: 6.710 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion: 146 Resp: 192398
Ion Ratio Lower Upper
146 100
148 64.7 51.7 77.5
75 44.7 32.7 49.1





#13

1,4-Dichlorobenzene

Concen: 48.359 ng

RT: 6.793 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

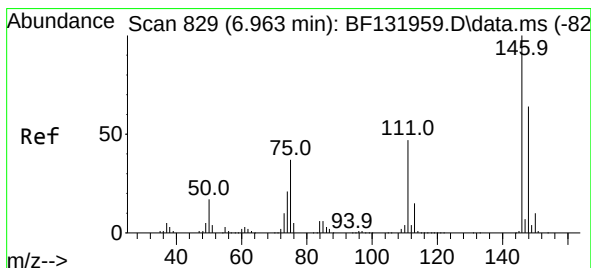
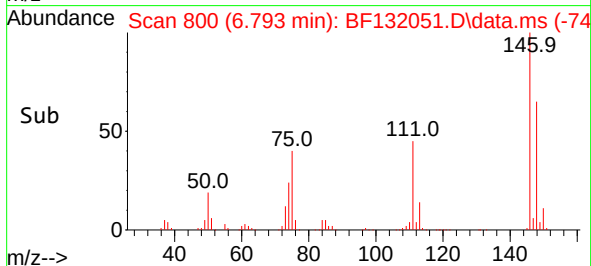
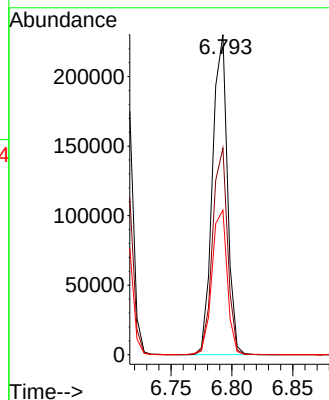
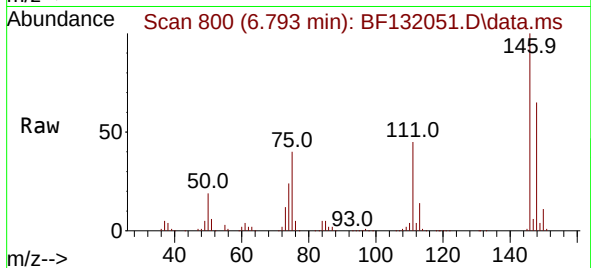
Tgt Ion:146 Resp: 195919

Ion Ratio Lower Upper

146 100

148 64.6 51.0 76.6

111 45.2 38.5 57.7



#14

1,2-Dichlorobenzene

Concen: 47.401 ng

RT: 6.940 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

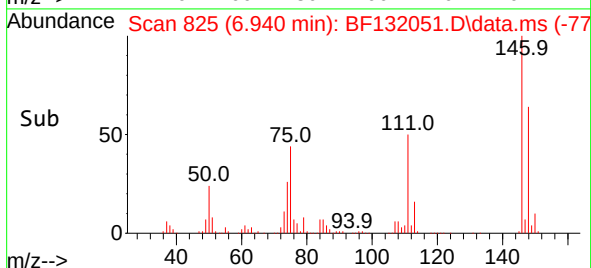
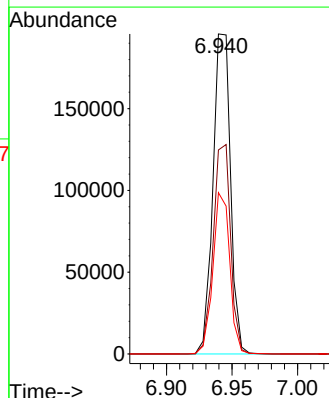
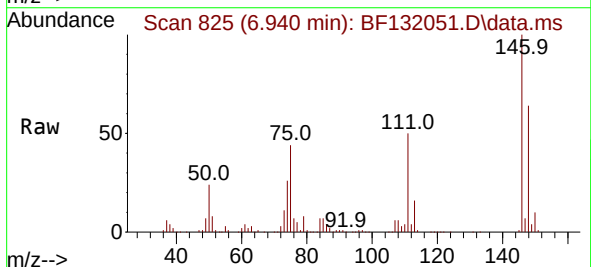
Tgt Ion:146 Resp: 182384

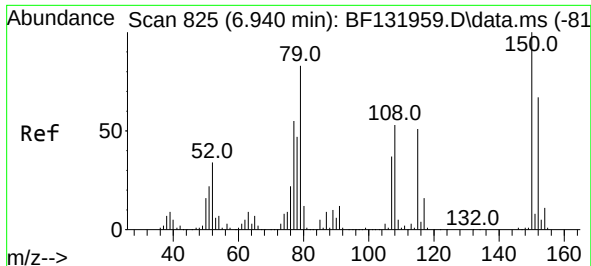
Ion Ratio Lower Upper

146 100

148 63.8 51.4 77.0

111 50.4 37.7 56.5

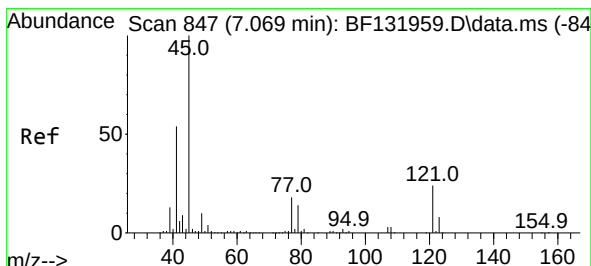
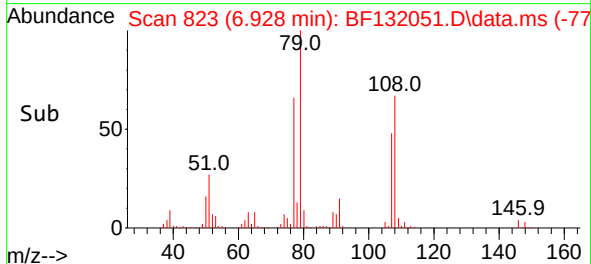
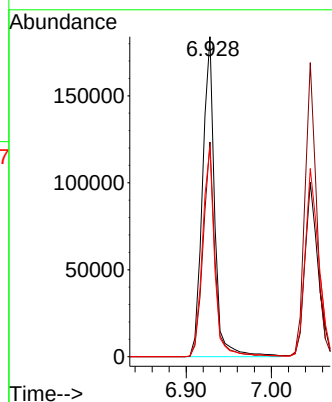
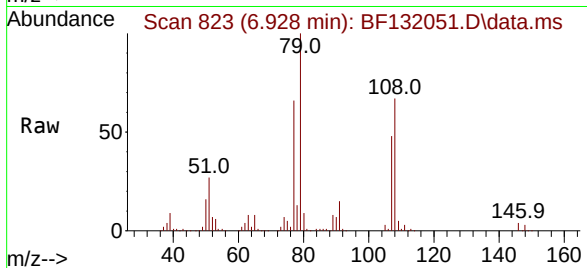




#15
Benzyl Alcohol
Concen: 43.997 ng
RT: 6.928 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

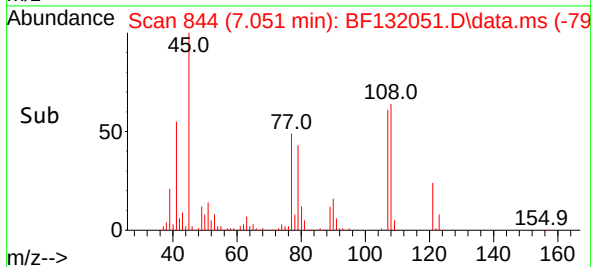
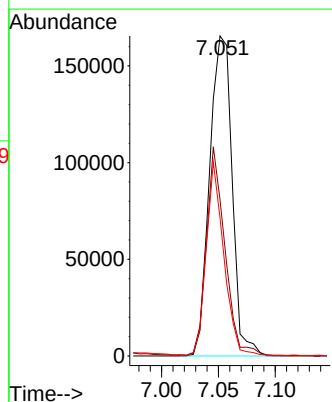
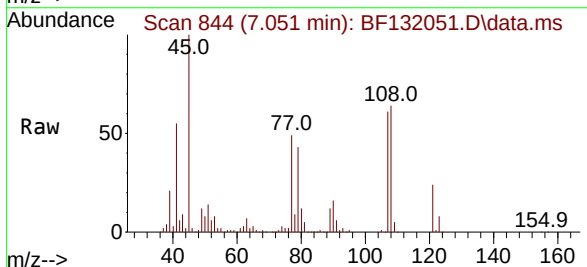
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

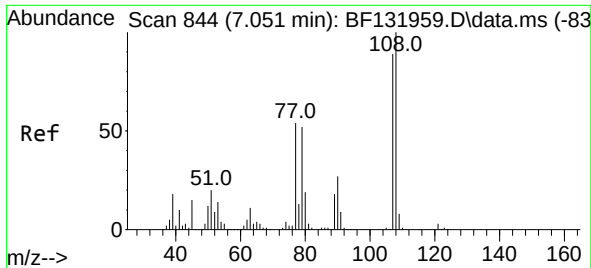
Tgt Ion: 79 Resp: 182013
Ion Ratio Lower Upper
79 100
108 67.1 51.7 77.5
77 65.6 52.9 79.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.096 ng
RT: 7.051 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion: 45 Resp: 227356
Ion Ratio Lower Upper
45 100
77 48.8 0.0 38.1#
79 43.1 0.0 34.6#

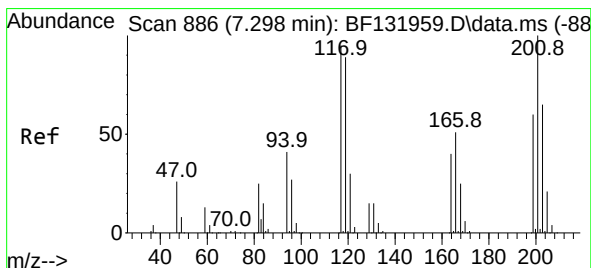
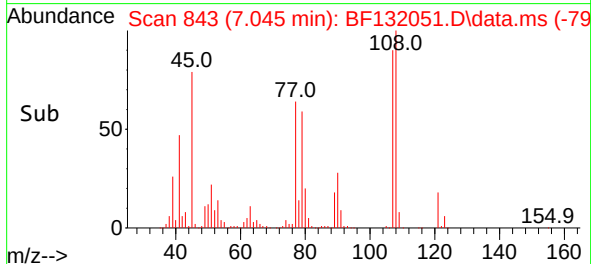
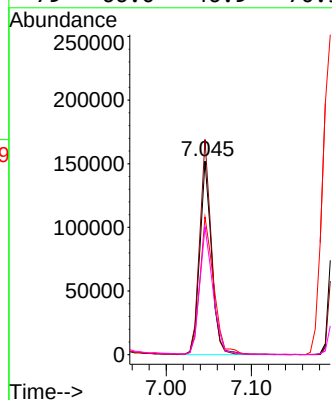
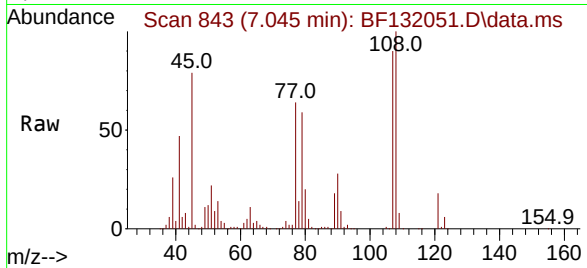




#17
2-Methylphenol
Concen: 41.589 ng
RT: 7.045 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

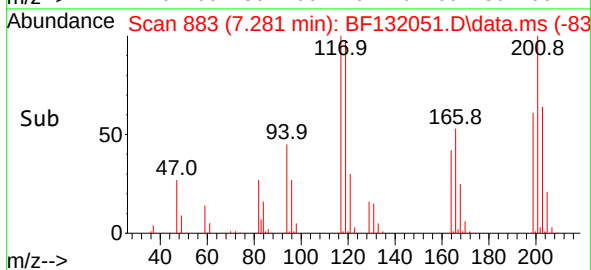
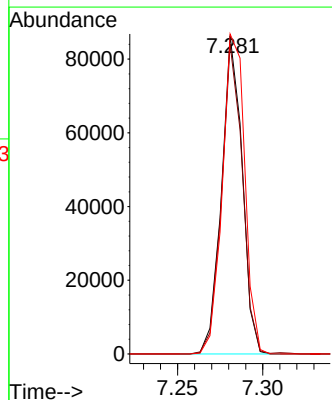
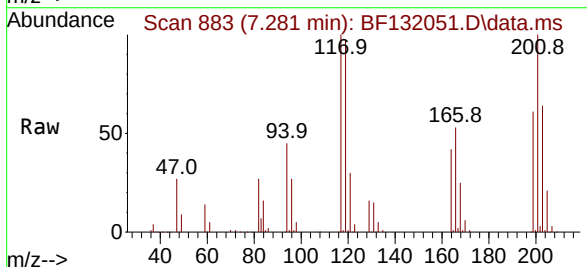
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

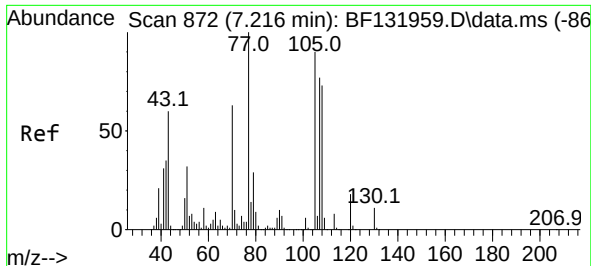
Tgt Ion:107 Resp: 147955
Ion Ratio Lower Upper
107 100
108 111.2 90.0 135.0
77 71.1 48.8 73.2
79 66.0 46.9 70.3



#18
Hexachloroethane
Concen: 43.428 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:117 Resp: 72760
Ion Ratio Lower Upper
117 100
119 97.3 75.4 113.0
201 100.5 84.2 126.4





#19

n-Nitroso-di-n-propylamine

Concen: 42.589 ng

RT: 7.198 min Scan# 8

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

Tgt Ion: 70 Resp: 146359

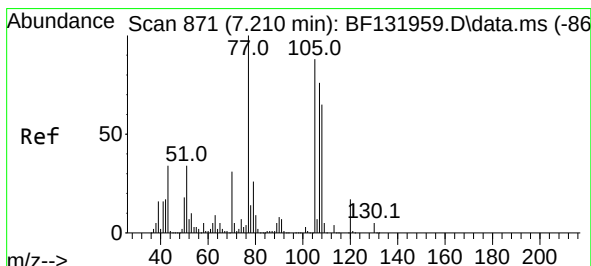
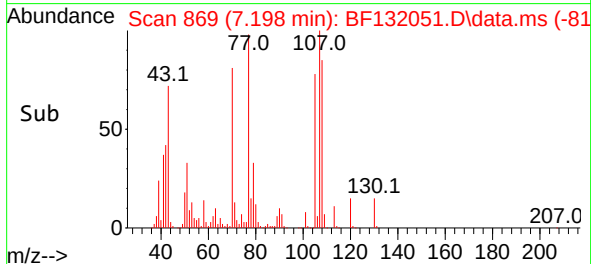
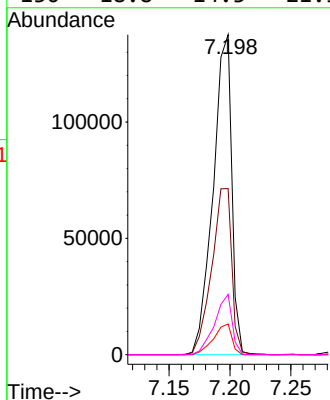
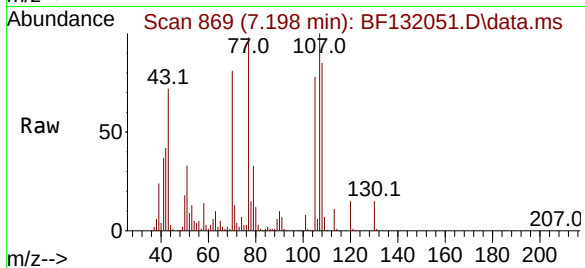
Ion Ratio Lower Upper

70 100

42 51.9 44.3 66.5

101 9.6 7.5 11.3

130 18.8 14.3 21.5



#20

3+4-Methylphenols

Concen: 41.321 ng

RT: 7.198 min Scan# 869

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Tgt Ion:107 Resp: 188726

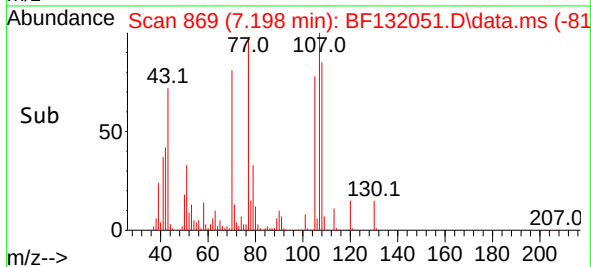
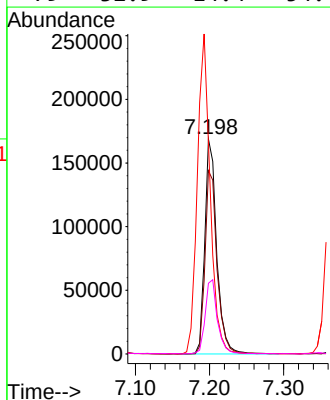
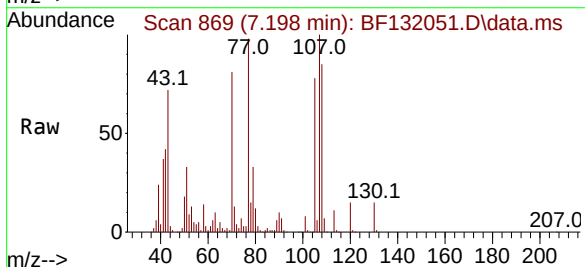
Ion Ratio Lower Upper

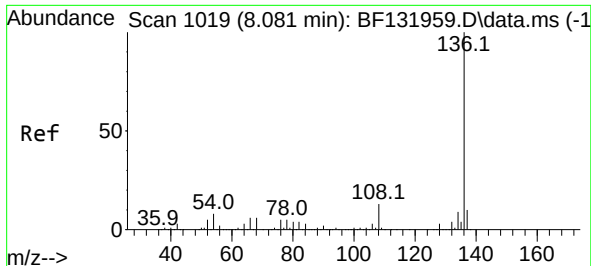
107 100

108 85.2 65.1 105.1

77 98.3 111.2 151.2#

79 32.9 14.4 54.4

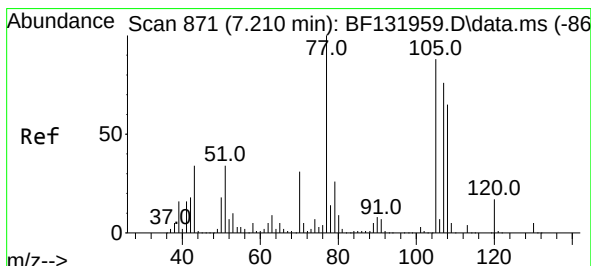
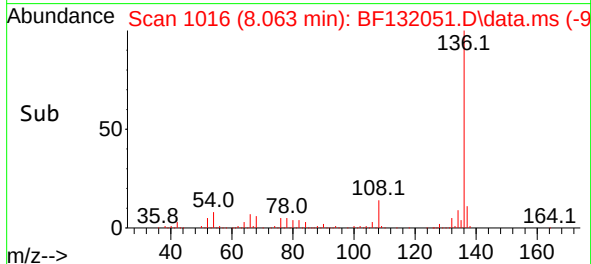
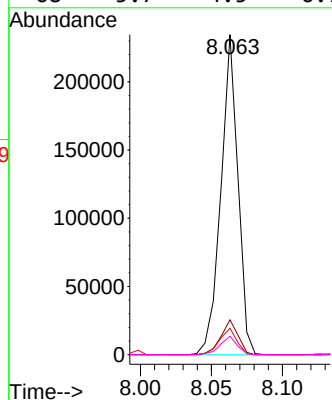
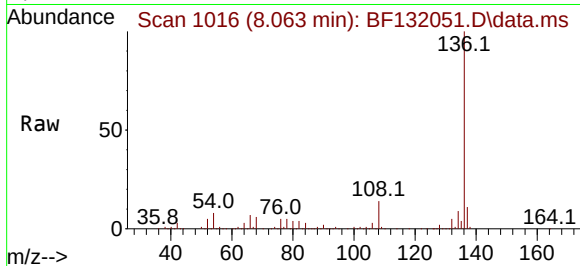




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

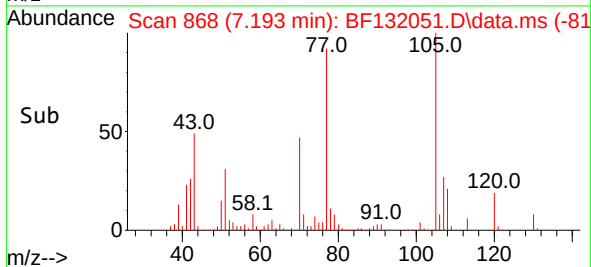
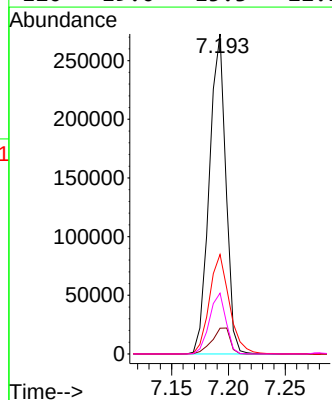
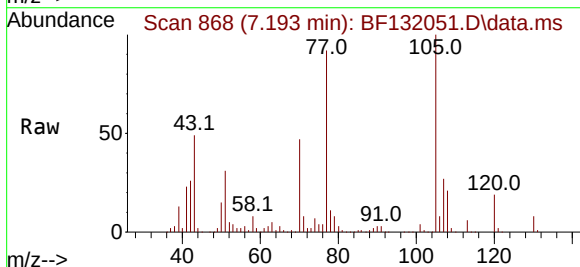
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

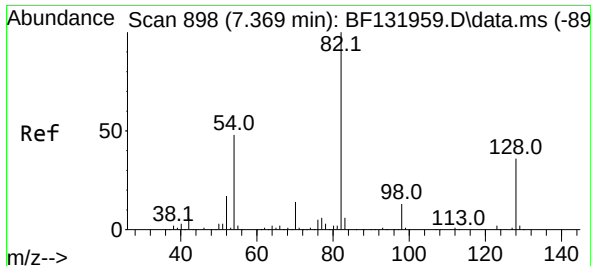
Tgt Ion:136 Resp: 195445
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.2
54 8.3 6.6 9.8
68 5.7 4.5 6.7



#22
Acetophenone
Concen: 48.316 ng
RT: 7.193 min Scan# 868
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:105 Resp: 274939
Ion Ratio Lower Upper
105 100
71 8.1 4.6 7.0#
51 31.1 30.6 46.0
120 19.0 15.3 22.9





#23

Nitrobenzene-d5

Concen: 82.321 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

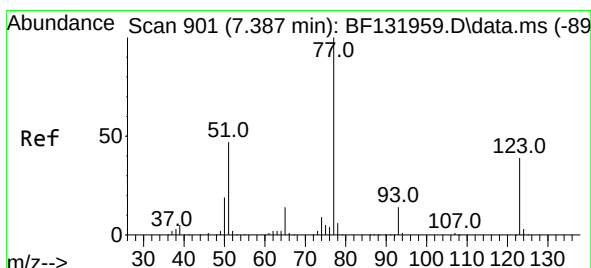
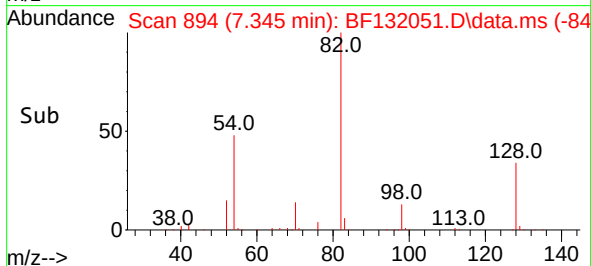
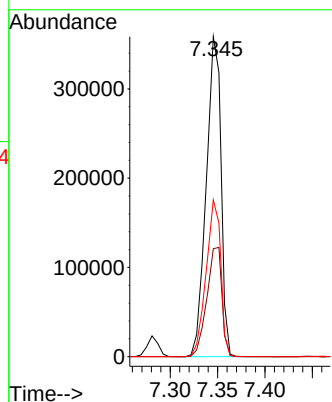
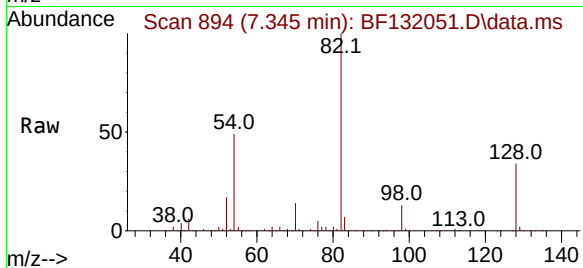
Tgt Ion: 82 Resp: 387661

Ion Ratio Lower Upper

82 100

128 33.8 28.7 43.1

54 49.0 38.1 57.1



#24

Nitrobenzene

Concen: 46.009 ng

RT: 7.369 min Scan# 898

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

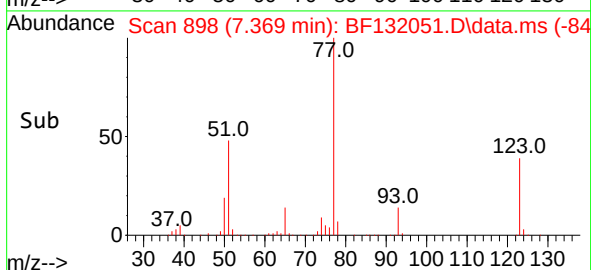
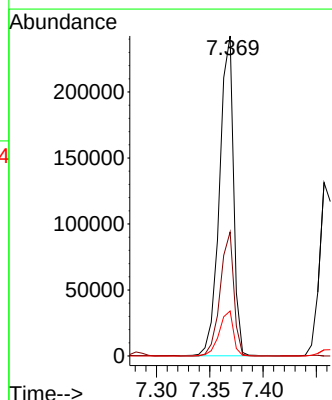
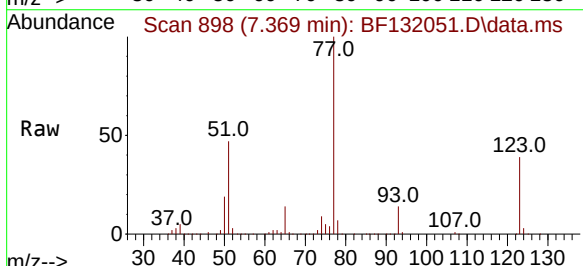
Tgt Ion: 77 Resp: 220573

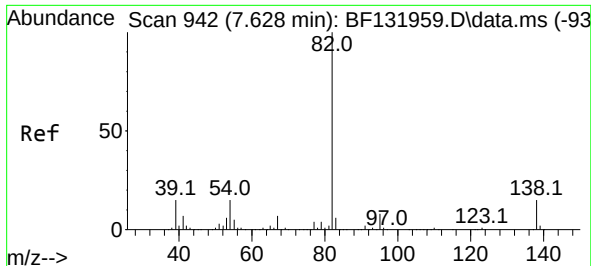
Ion Ratio Lower Upper

77 100

123 38.7 30.9 46.3

65 14.0 10.8 16.2

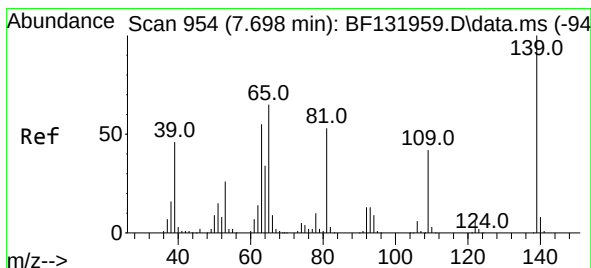
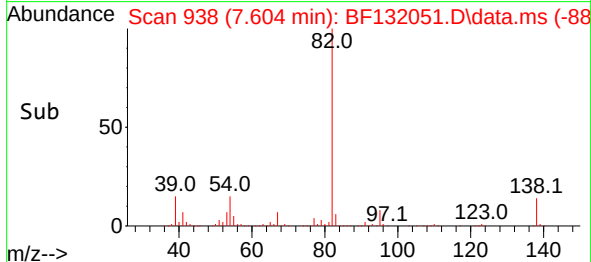
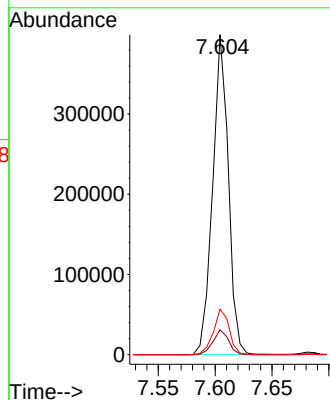
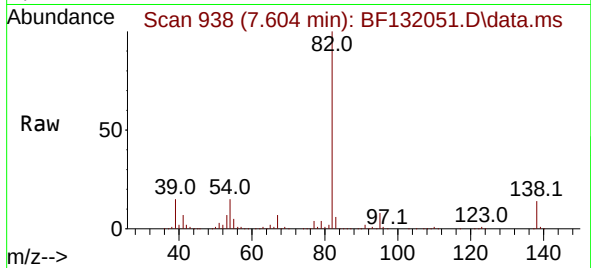




#25
Isophorone
Concen: 43.550 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

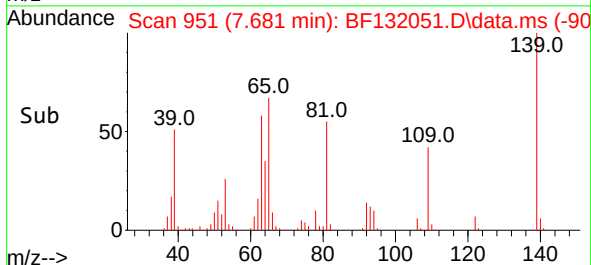
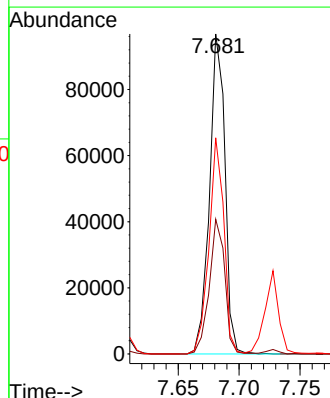
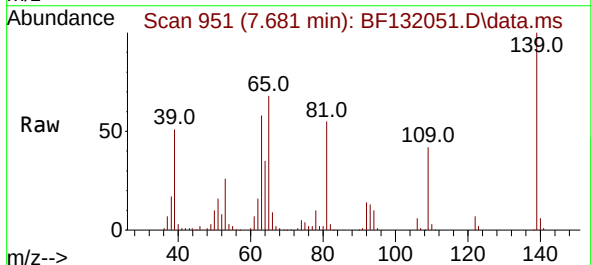
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

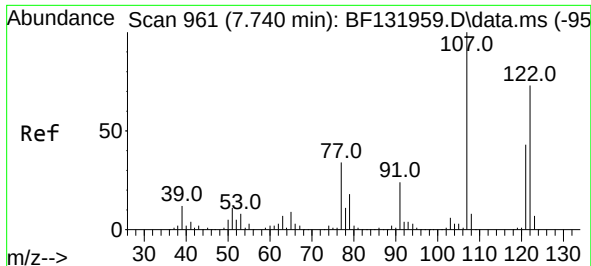
Tgt Ion: 82 Resp: 383129
Ion Ratio Lower Upper
82 100
95 7.8 6.5 9.7
138 14.2 11.9 17.9



#26
2-Nitrophenol
Concen: 45.242 ng
RT: 7.681 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:139 Resp: 85342
Ion Ratio Lower Upper
139 100
109 42.1 33.9 50.9
65 67.6 51.6 77.4





#27

2,4-Dimethylphenol

Concen: 47.049 ng

RT: 7.728 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

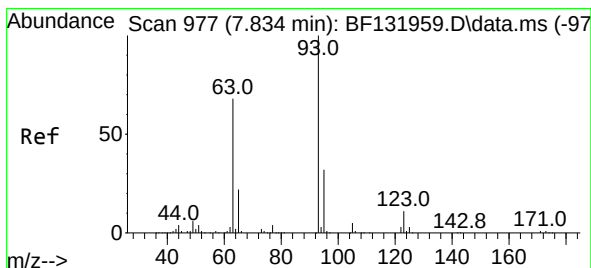
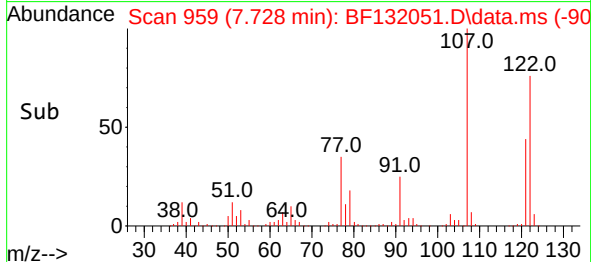
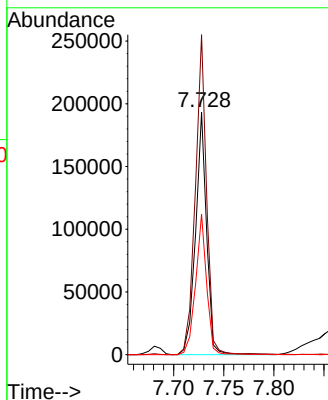
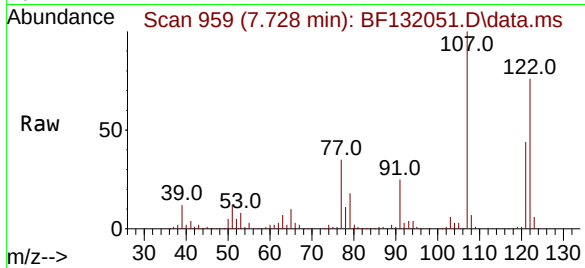
Tgt Ion:122 Resp: 148140

Ion Ratio Lower Upper

122 100

107 132.0 109.4 164.0

121 58.0 47.2 70.8



#28

bis(2-Chloroethoxy)methane

Concen: 44.635 ng

RT: 7.816 min Scan# 974

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

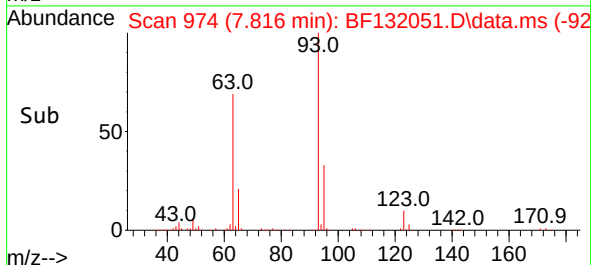
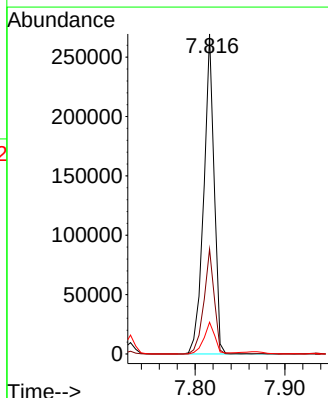
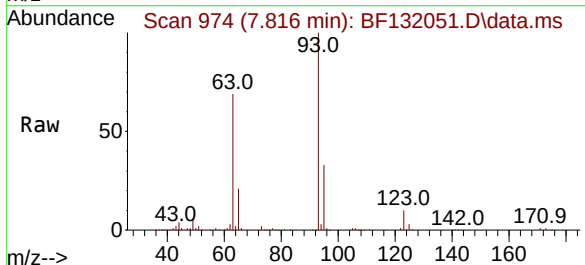
Tgt Ion: 93 Resp: 217325

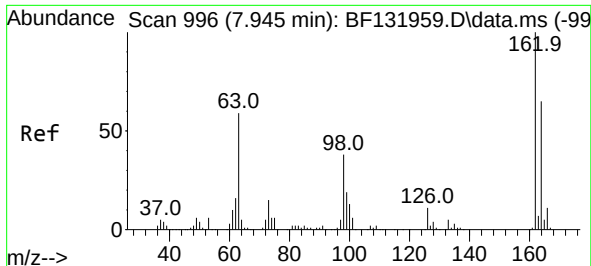
Ion Ratio Lower Upper

93 100

95 32.7 25.8 38.6

123 9.9 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 43.643 ng

RT: 7.934 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

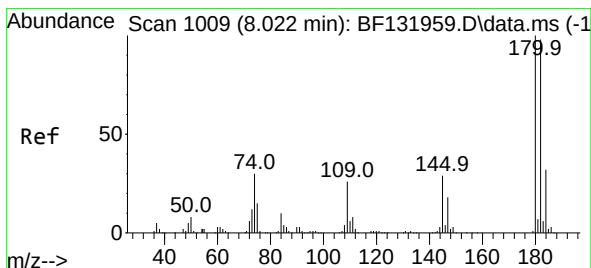
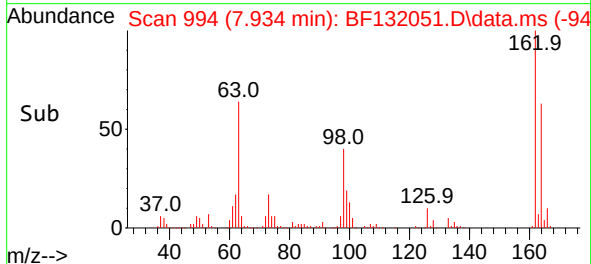
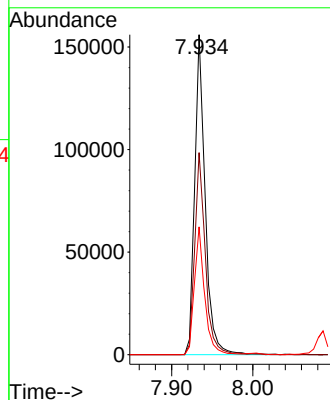
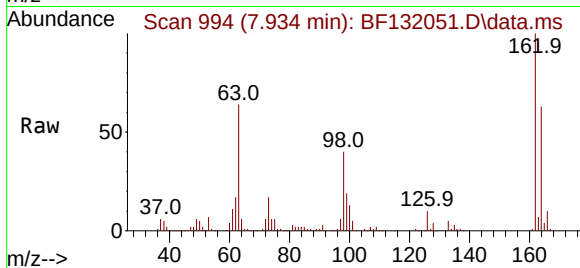
Tgt Ion:162 Resp: 140751

Ion Ratio Lower Upper

162 100

164 63.1 45.2 85.2

98 39.9 17.5 57.5



#30

1,2,4-Trichlorobenzene

Concen: 46.219 ng

RT: 8.004 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

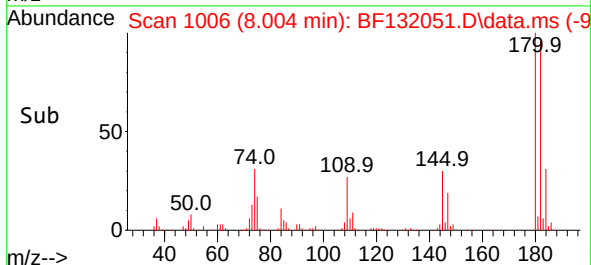
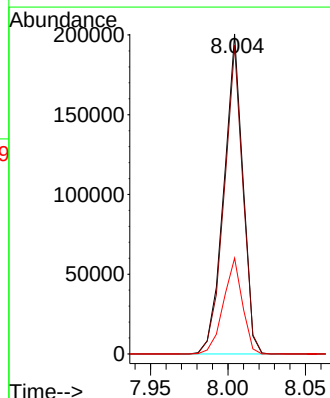
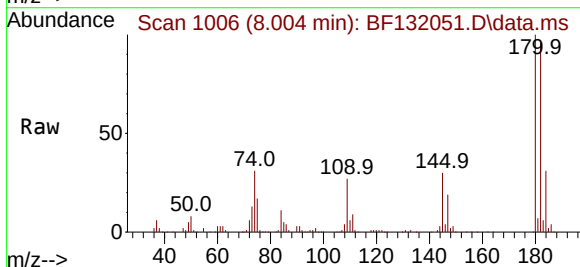
Tgt Ion:180 Resp: 170714

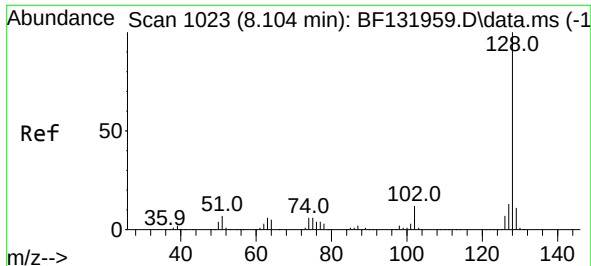
Ion Ratio Lower Upper

180 100

182 96.4 78.4 117.6

145 29.9 23.2 34.8

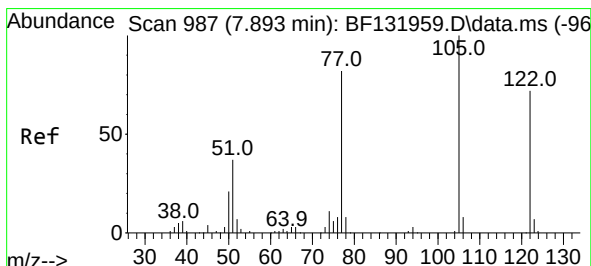
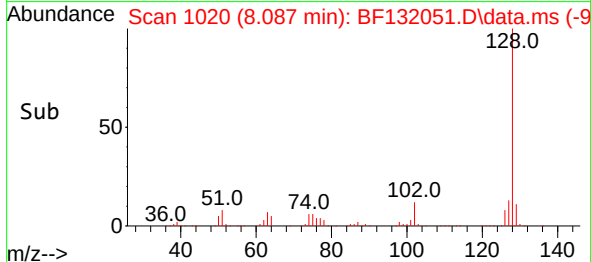
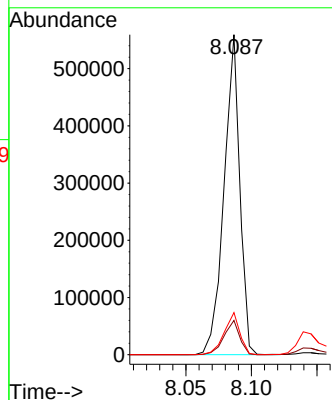
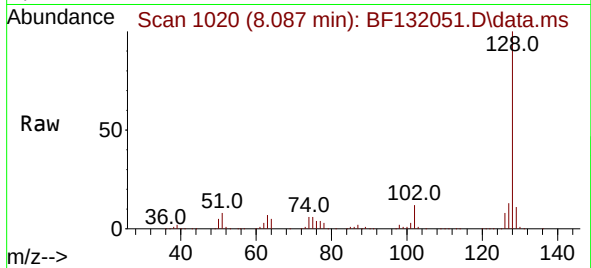




#31
Naphthalene
Concen: 45.087 ng
RT: 8.087 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

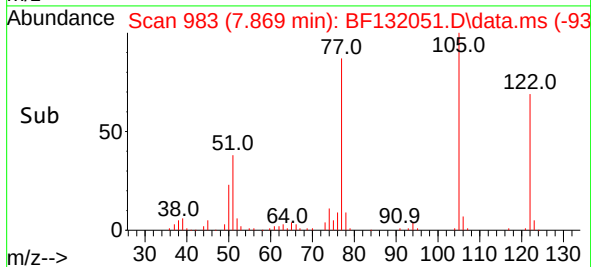
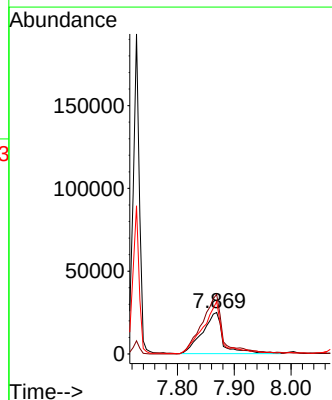
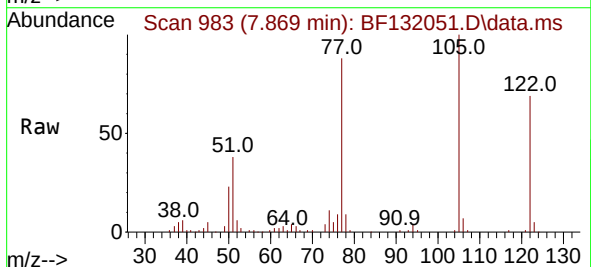
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

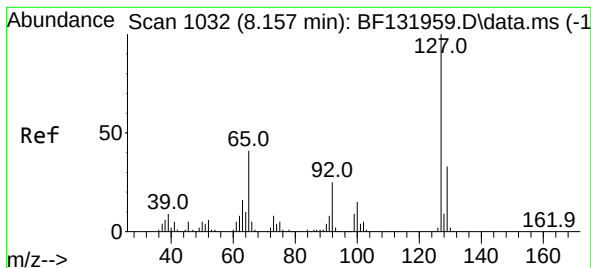
Tgt Ion:128 Resp: 465699
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 13.2 10.5 15.7



#32
Benzoic acid
Concen: 34.770 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:122 Resp: 63470
Ion Ratio Lower Upper
122 100
105 144.0 116.3 156.3
77 126.5 92.7 132.7





#33

4-Chloroaniline

Concen: 14.426 ng

RT: 8.140 min Scan# 1032

Delta R.T. -0.006 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

Tgt Ion:127 Resp: 61489

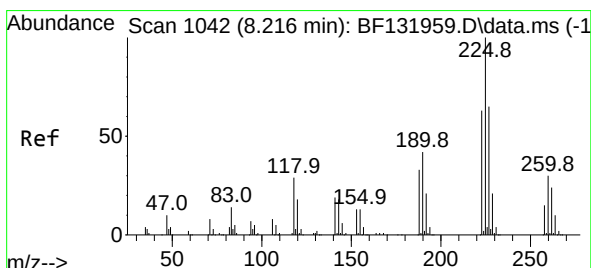
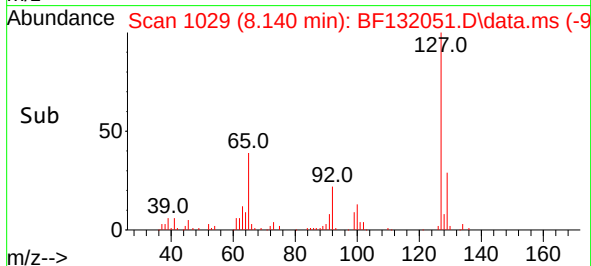
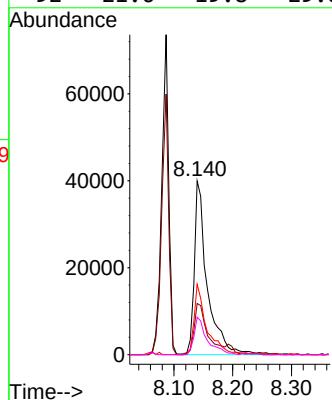
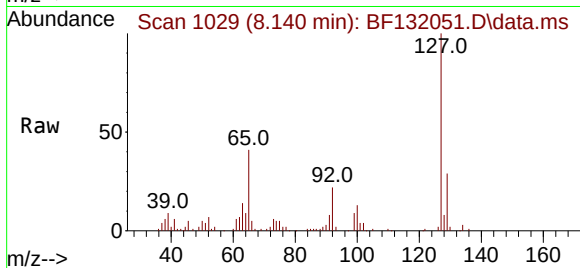
Ion Ratio Lower Upper

127 100

129 29.4 26.5 39.7

65 40.5 33.1 49.7

92 21.6 19.8 29.8



#34

Hexachlorobutadiene

Concen: 46.133 ng

RT: 8.198 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

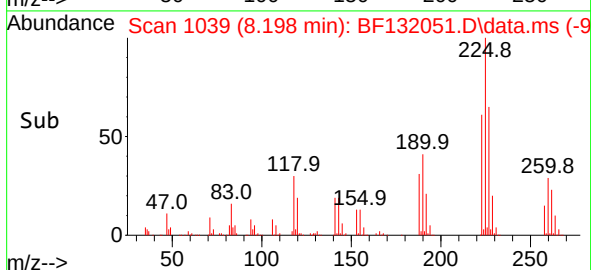
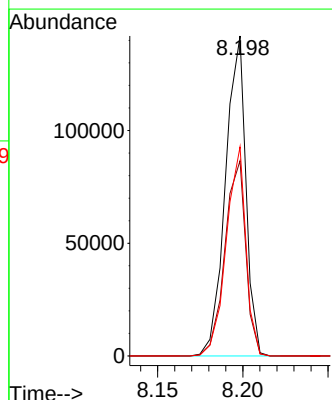
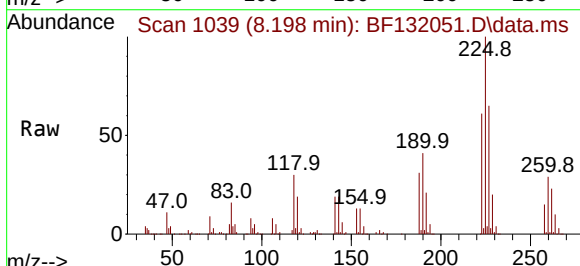
Tgt Ion:225 Resp: 118138

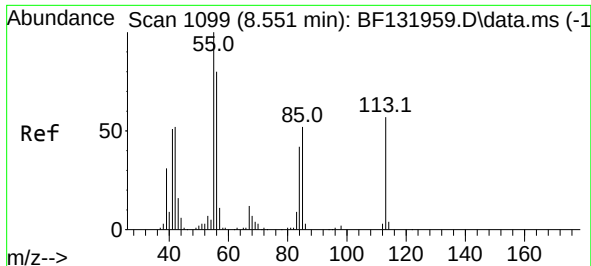
Ion Ratio Lower Upper

225 100

223 61.0 50.6 75.8

227 65.3 51.6 77.4

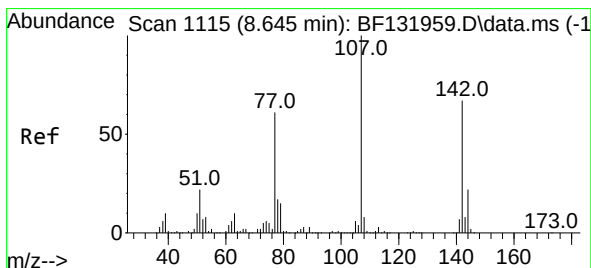
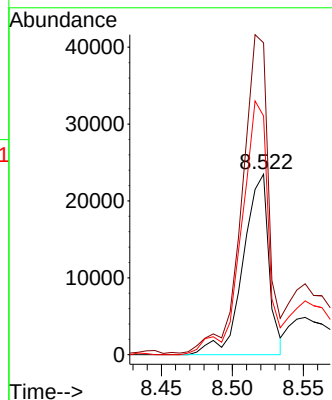
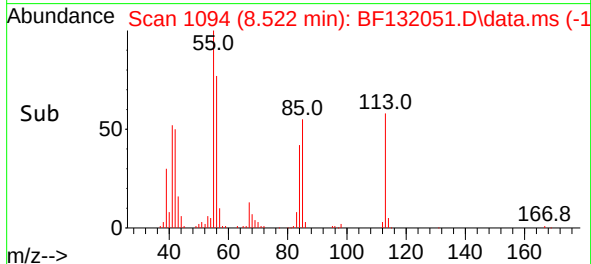
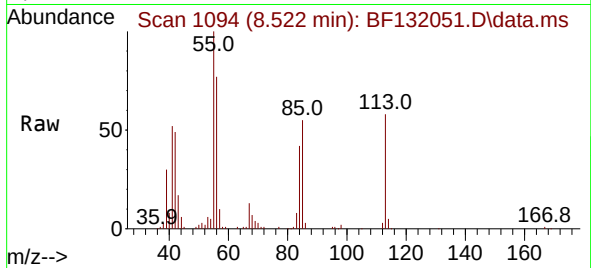




#35
Caprolactam
Concen: 31.223 ng
RT: 8.522 min Scan# 1099
Delta R.T. -0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

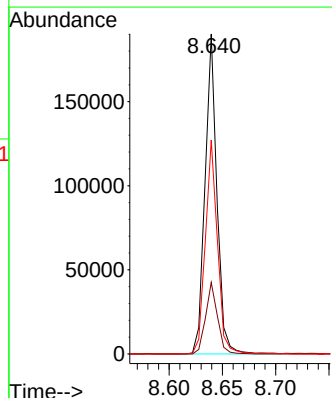
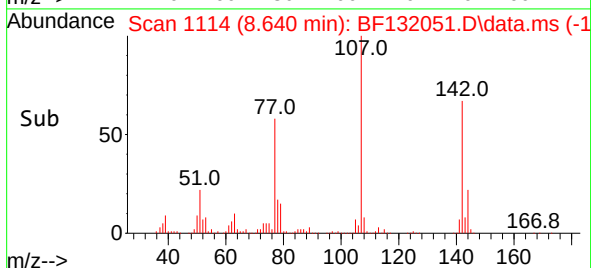
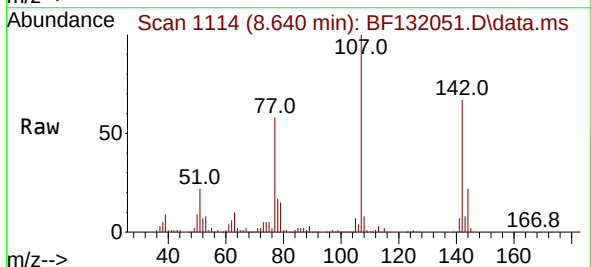
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

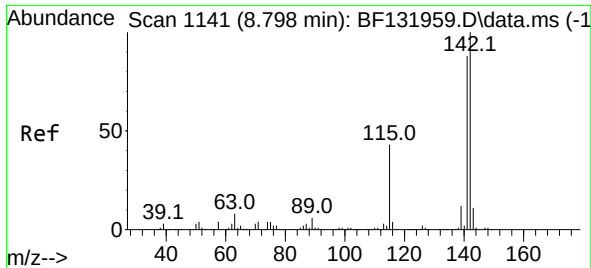
Tgt Ion:113 Resp: 29575
Ion Ratio Lower Upper
113 100
55 172.7 154.4 194.4
56 132.2 119.6 159.6



#36
4-Chloro-3-methylphenol
Concen: 39.200 ng
RT: 8.640 min Scan# 1114
Delta R.T. 0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:107 Resp: 148382
Ion Ratio Lower Upper
107 100
144 22.3 17.4 26.2
142 66.8 53.7 80.5





#37

2-Methylnaphthalene

Concen: 39.819 ng

RT: 8.781 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

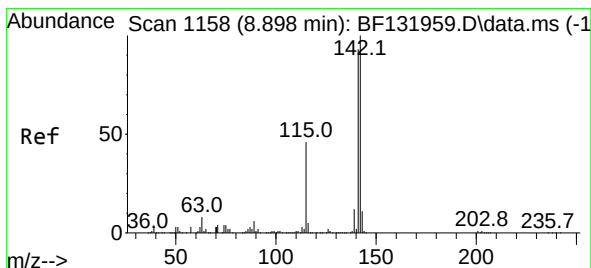
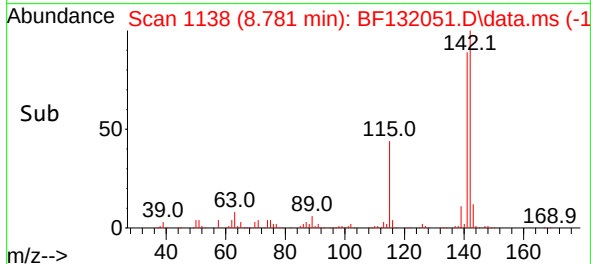
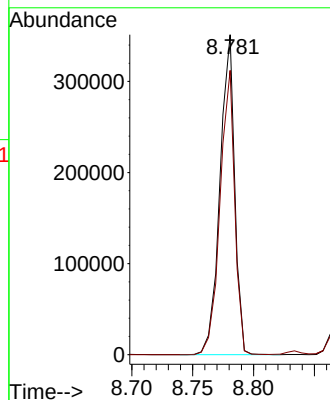
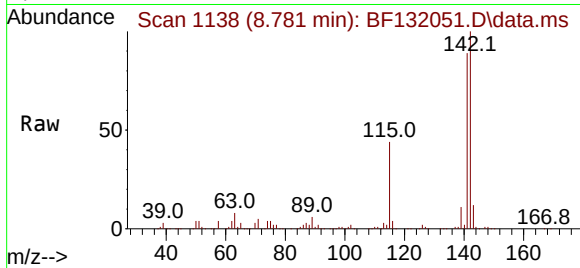
MH-4MSD

Tgt Ion:142 Resp: 295384

Ion Ratio Lower Upper

142 100

141 88.9 70.6 106.0



#38

1-Methylnaphthalene

Concen: 39.639 ng

RT: 8.881 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF132051.D

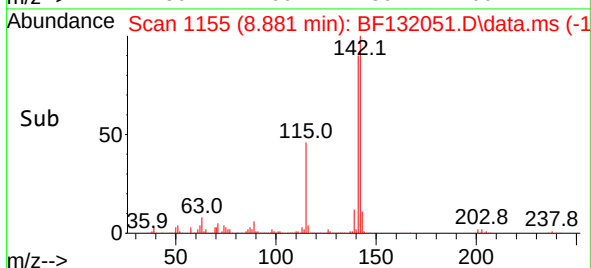
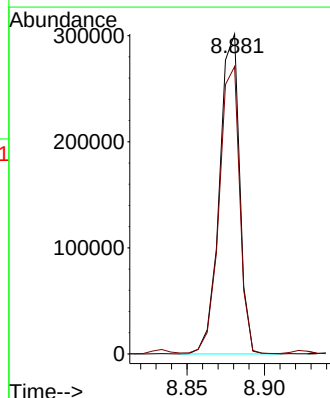
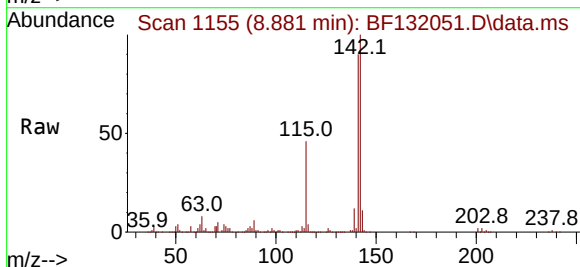
Acq: 12 Jan 2023 20:23

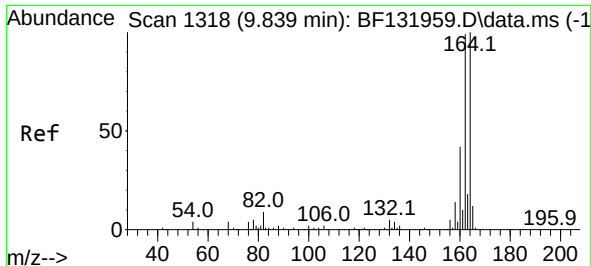
Tgt Ion:142 Resp: 272431

Ion Ratio Lower Upper

142 100

141 89.8 74.3 111.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

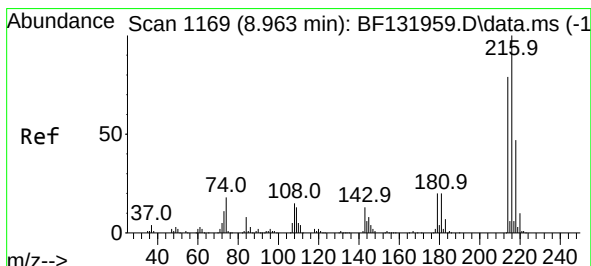
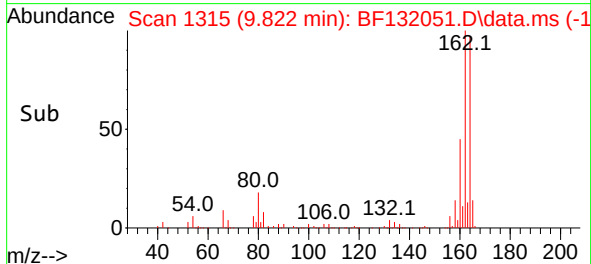
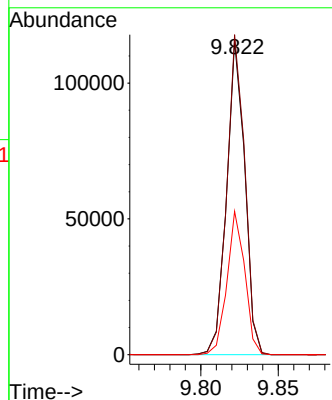
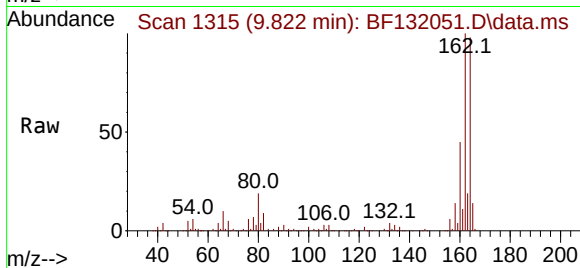
Tgt Ion:164 Resp: 94173

Ion Ratio Lower Upper

164 100

162 102.1 79.4 119.0

160 45.7 33.9 50.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.122 ng

RT: 8.945 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Tgt Ion:216 Resp: 166329

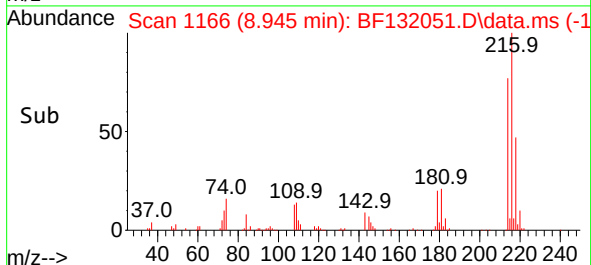
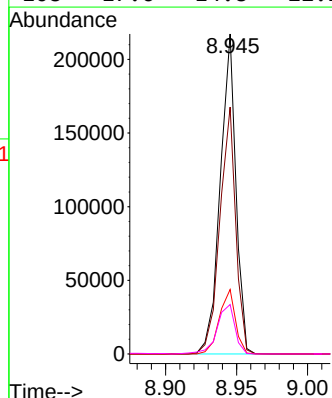
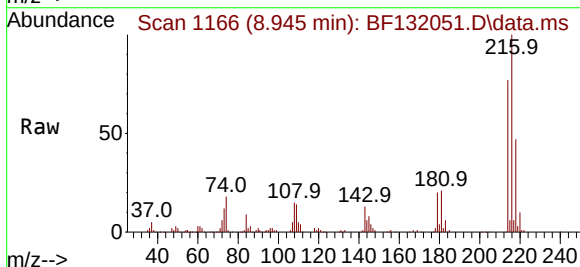
Ion Ratio Lower Upper

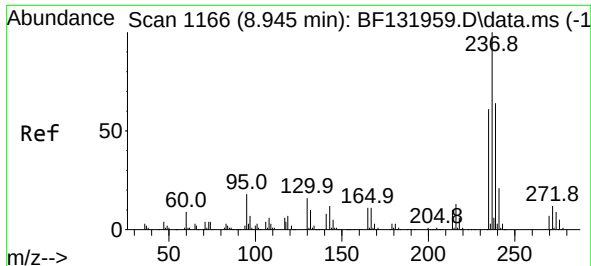
216 100

214 78.0 63.9 95.9

179 20.6 16.4 24.6

108 17.6 14.8 22.2

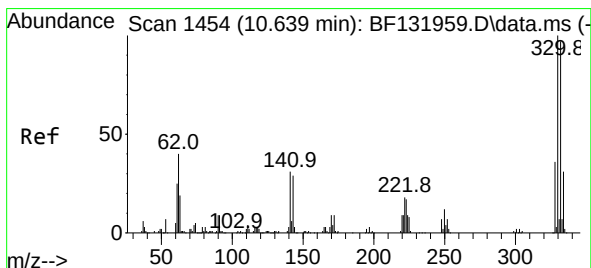
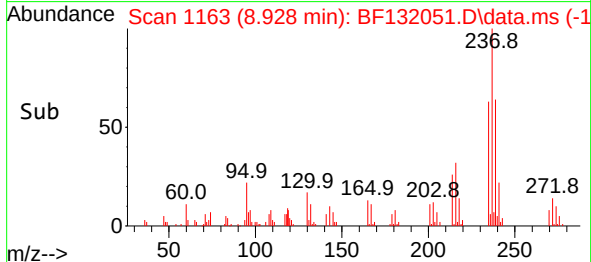
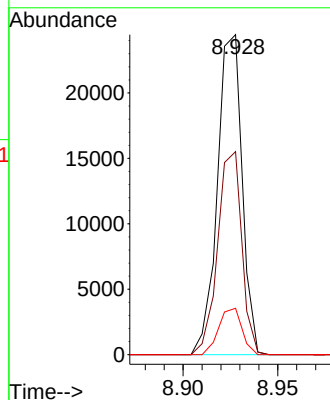
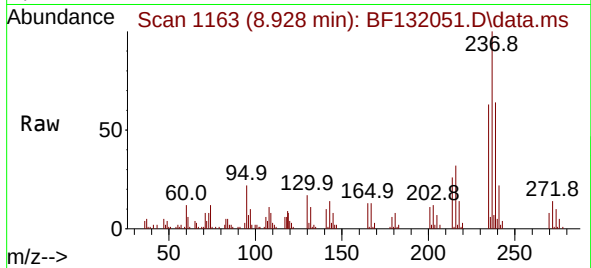




#41
Hexachlorocyclopentadiene
Concen: 19.914 ng
RT: 8.928 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

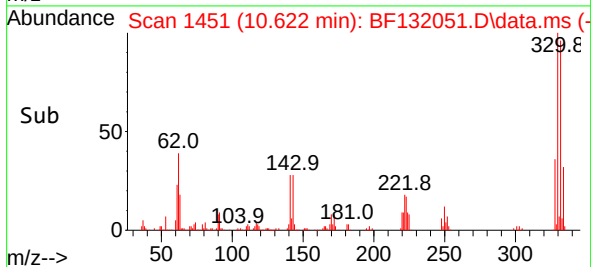
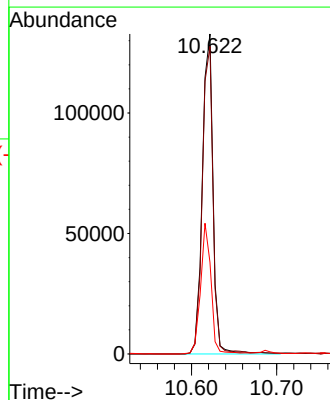
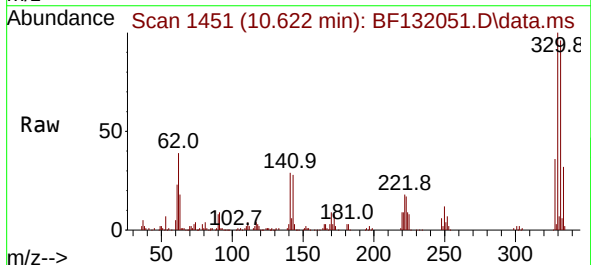
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

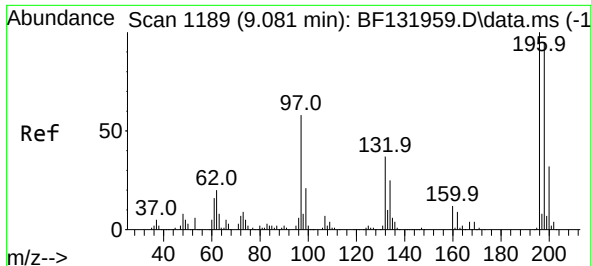
Tgt Ion:237 Resp: 22260
Ion Ratio Lower Upper
237 100
235 63.5 41.2 81.2
272 14.5 0.0 31.7



#42
2,4,6-Tribromophenol
Concen: 107.285 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:330 Resp: 116167
Ion Ratio Lower Upper
330 100
332 96.6 76.9 115.3
141 39.8 31.3 46.9





#43

2,4,6-Trichlorophenol

Concen: 48.403 ng

RT: 9.063 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

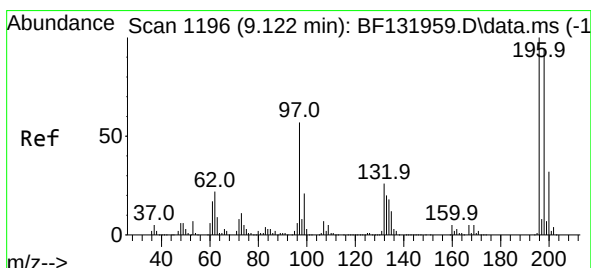
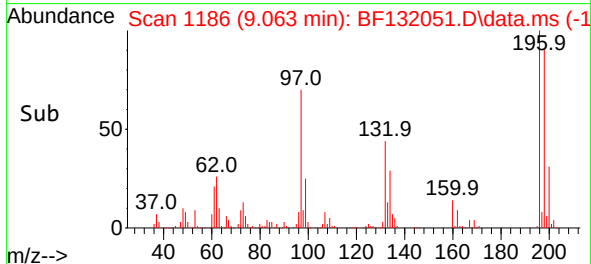
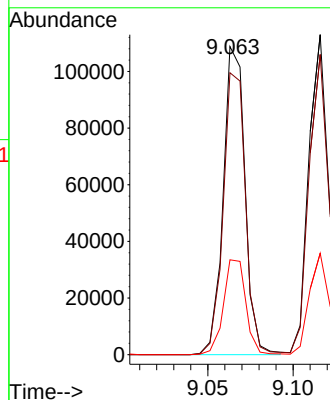
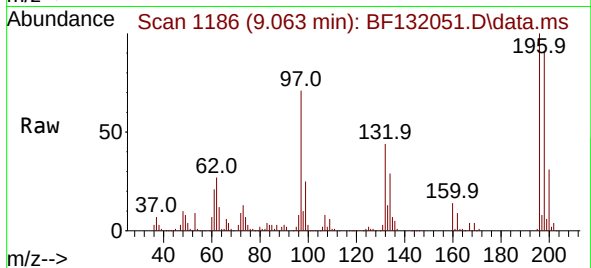
Tgt Ion:196 Resp: 96682

Ion Ratio Lower Upper

196 100

198 91.5 76.3 114.5

200 30.8 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 42.641 ng

RT: 9.116 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Tgt Ion:196 Resp: 99159

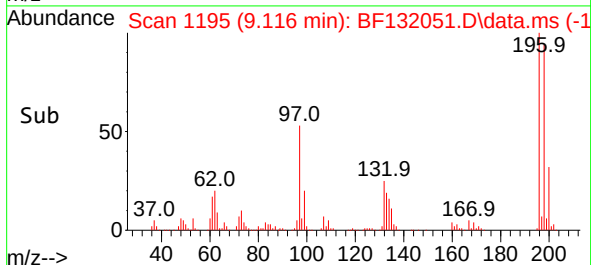
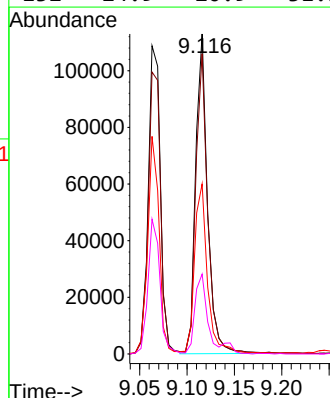
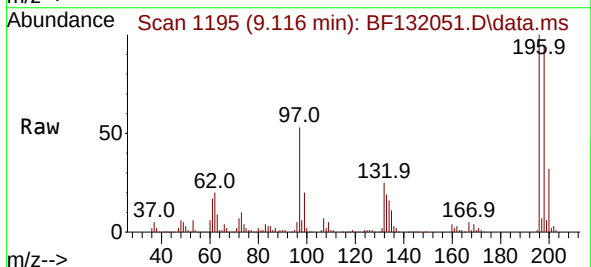
Ion Ratio Lower Upper

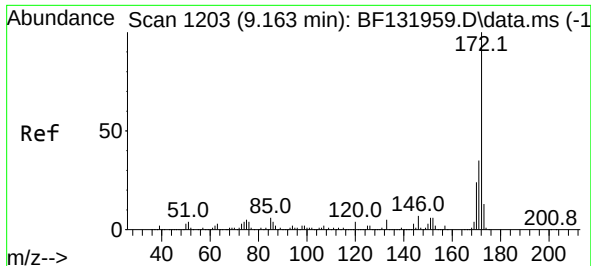
196 100

198 93.8 75.3 112.9

97 53.1 45.6 68.4

132 24.9 20.9 31.3





#45

2-Fluorobiphenyl

Concen: 84.988 ng

RT: 9.145 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

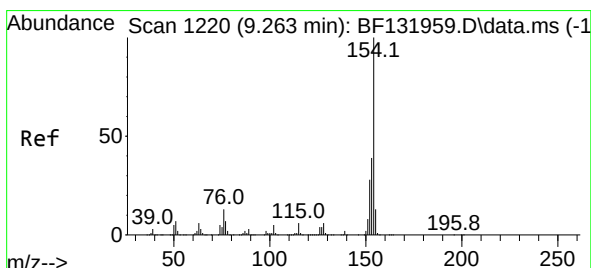
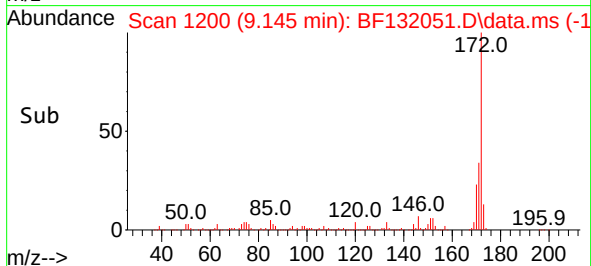
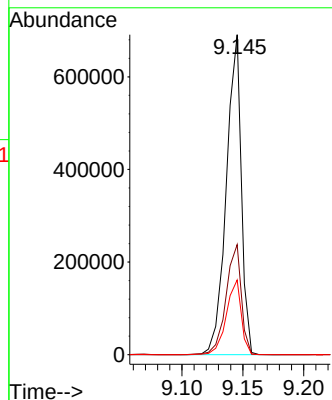
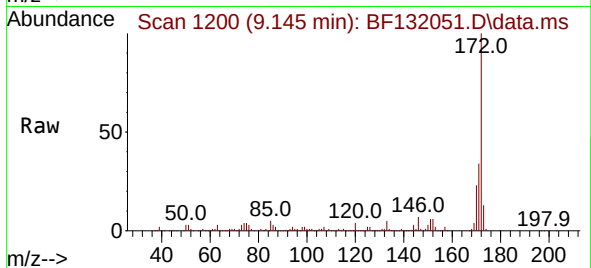
Tgt Ion:172 Resp: 592873

Ion Ratio Lower Upper

172 100

171 34.4 28.0 42.0

170 23.4 18.9 28.3



#46

1,1'-Biphenyl

Concen: 50.075 ng

RT: 9.245 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

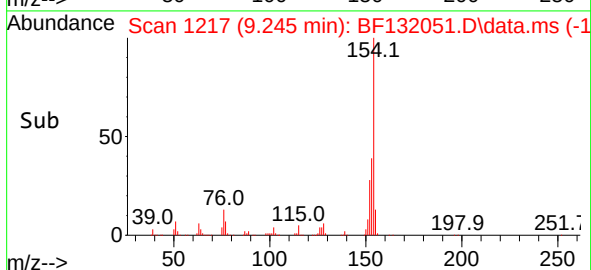
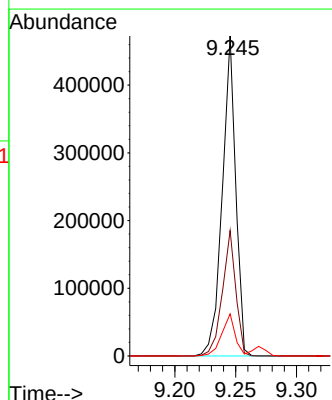
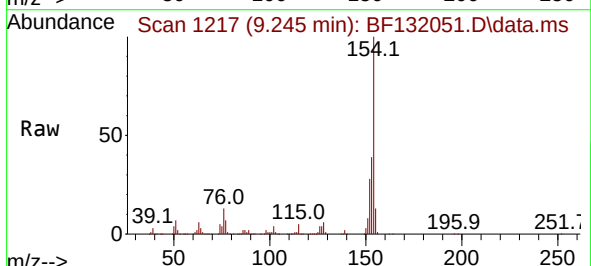
Tgt Ion:154 Resp: 363975

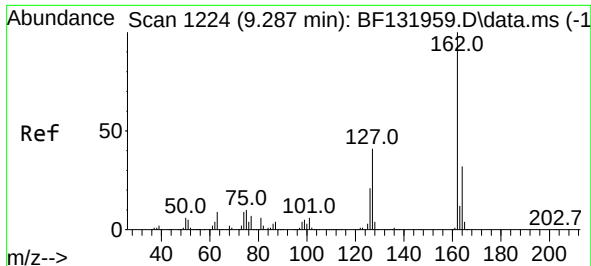
Ion Ratio Lower Upper

154 100

153 39.2 18.9 58.9

76 13.1 0.0 33.2

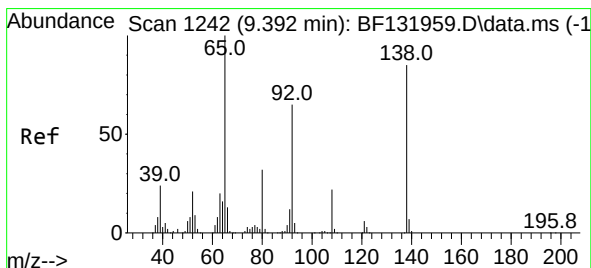
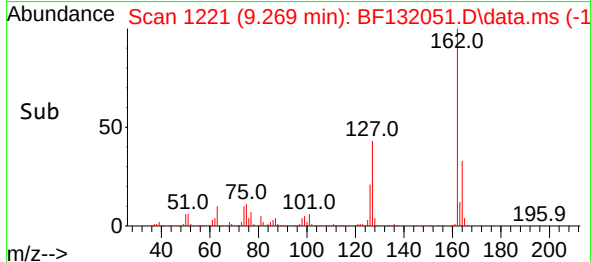
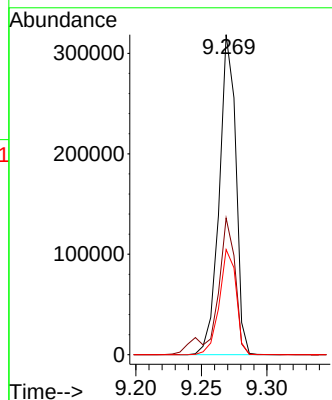
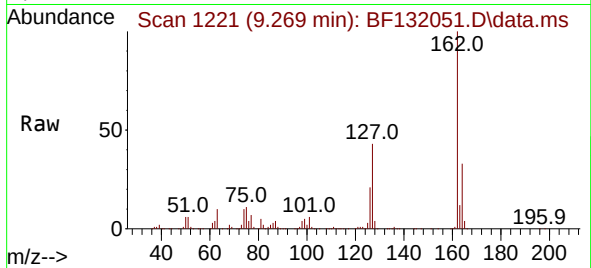




#47
2-Chloronaphthalene
Concen: 49.614 ng
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

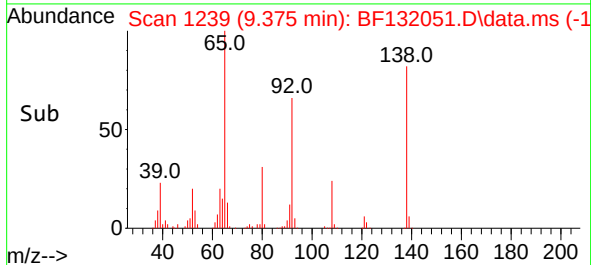
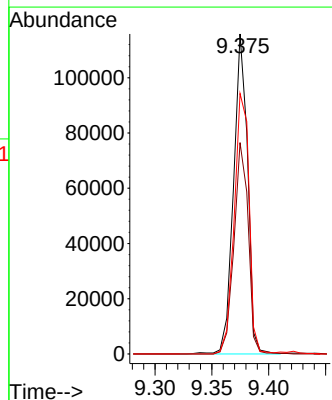
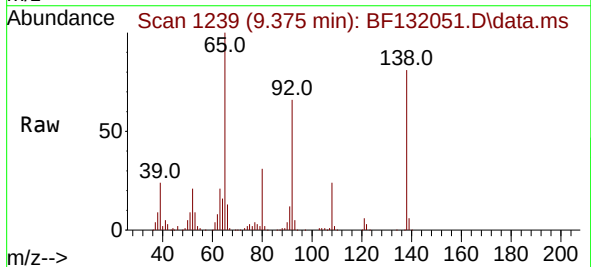
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

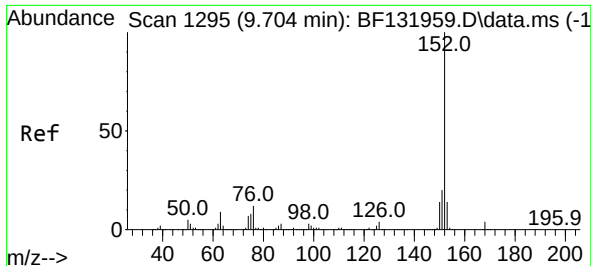
Tgt Ion:162 Resp: 279895
Ion Ratio Lower Upper
162 100
127 42.7 33.0 49.4
164 32.9 25.8 38.8



#48
2-Nitroaniline
Concen: 48.495 ng
RT: 9.375 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion: 65 Resp: 99370
Ion Ratio Lower Upper
65 100
92 66.0 52.2 78.2
138 81.4 67.8 101.8





#49

Acenaphthylene

Concen: 46.775 ng

RT: 9.686 min Scan# 1295

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

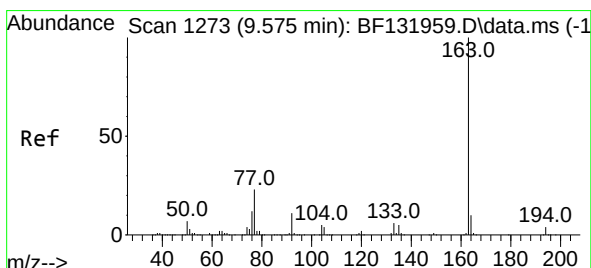
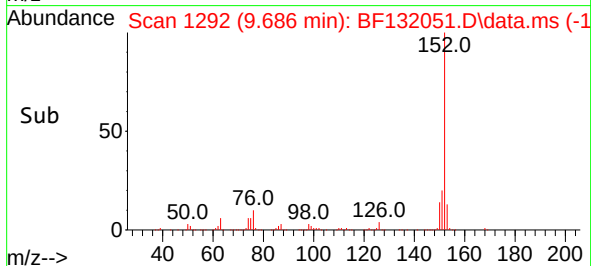
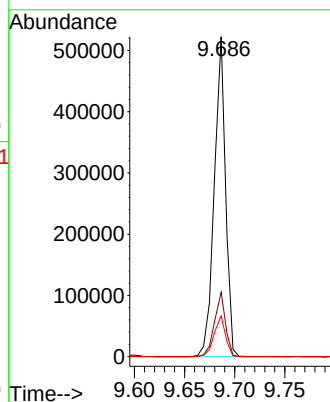
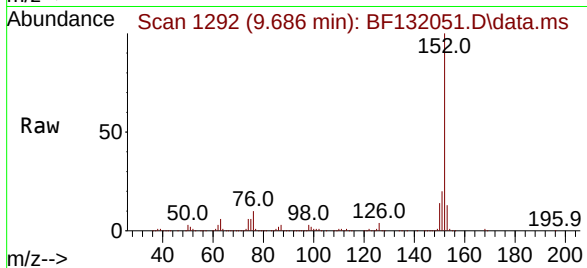
Tgt Ion:152 Resp: 409490

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

153 12.7 10.8 16.2



#50

Dimethylphthalate

Concen: 47.115 ng

RT: 9.551 min Scan# 1269

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

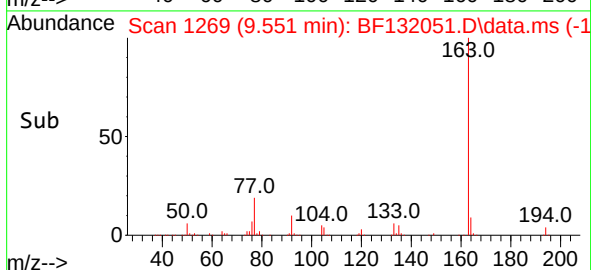
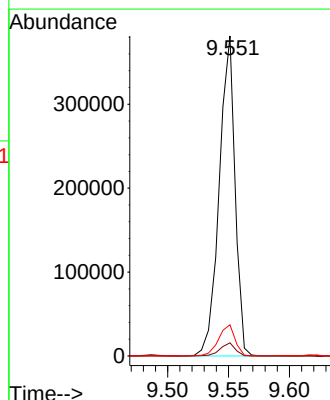
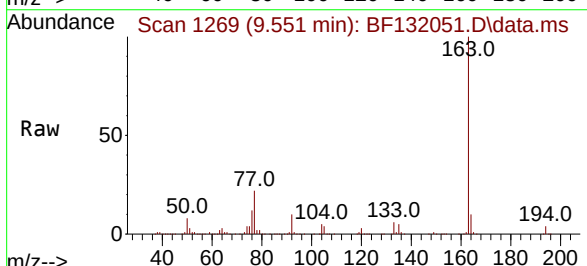
Tgt Ion:163 Resp: 345860

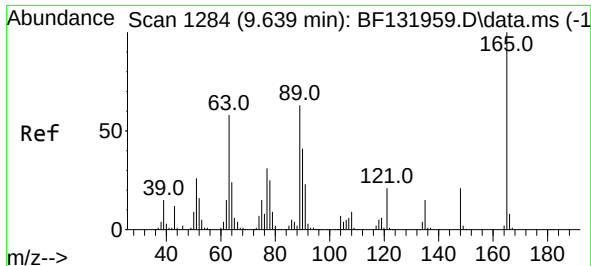
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 9.7 7.8 11.6

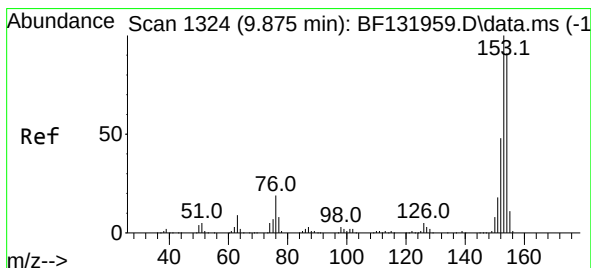
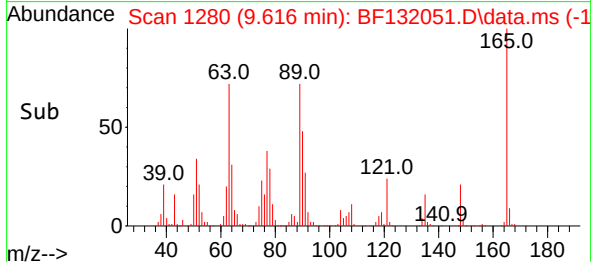
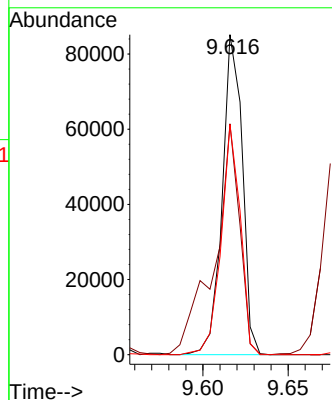
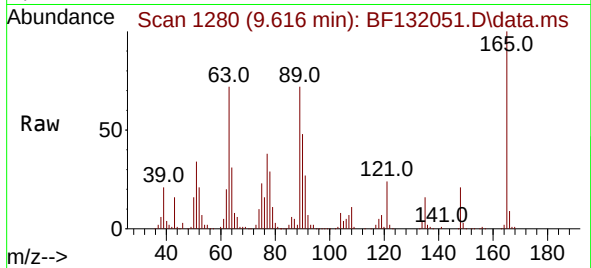




#51
2,6-Dinitrotoluene
Concen: 44.995 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

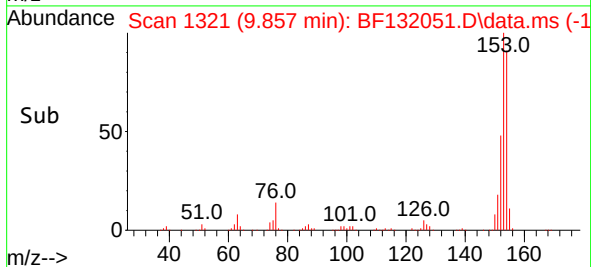
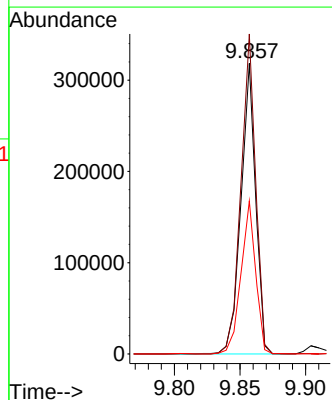
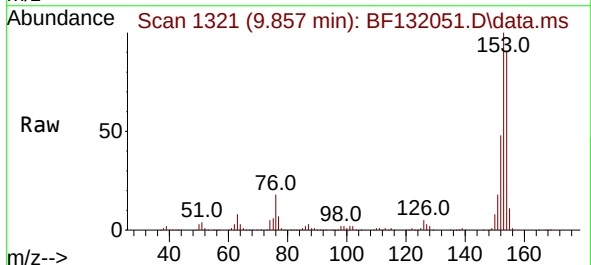
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

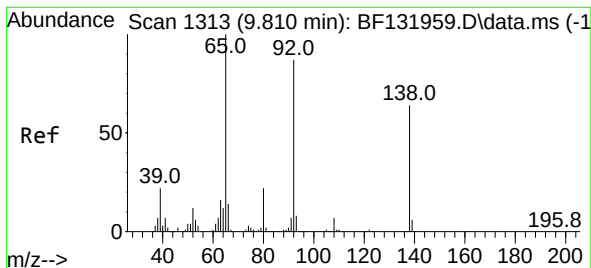
Tgt Ion:165 Resp: 69469
Ion Ratio Lower Upper
165 100
63 72.2 47.4 71.0#
89 71.9 50.2 75.2



#52
Acenaphthene
Concen: 47.485 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:154 Resp: 249534
Ion Ratio Lower Upper
154 100
153 110.1 87.7 131.5
152 52.6 42.2 63.2





#53

3-Nitroaniline

Concen: 31.937 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

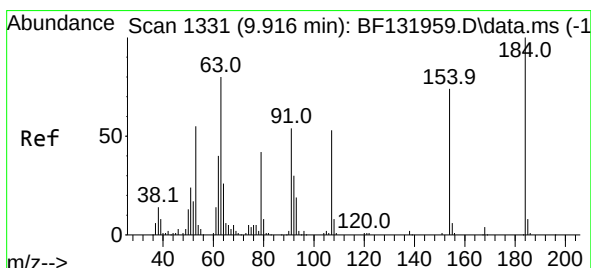
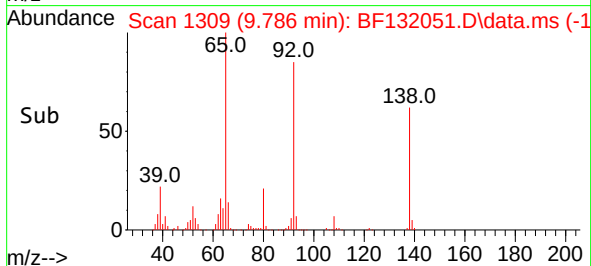
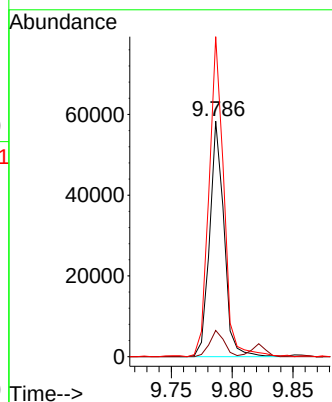
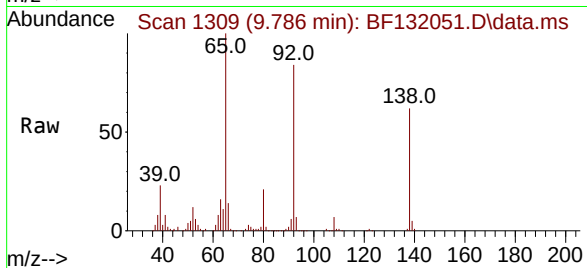
Tgt Ion:138 Resp: 47838

Ion Ratio Lower Upper

138 100

108 11.1 8.8 13.2

92 135.8 108.1 162.1



#54

2,4-Dinitrophenol

Concen: 17.812 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

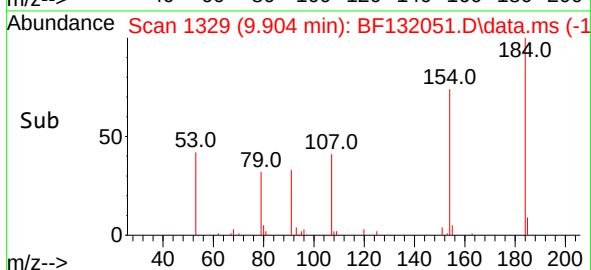
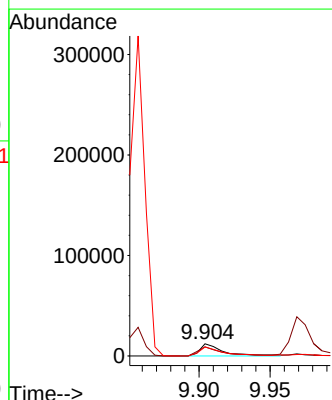
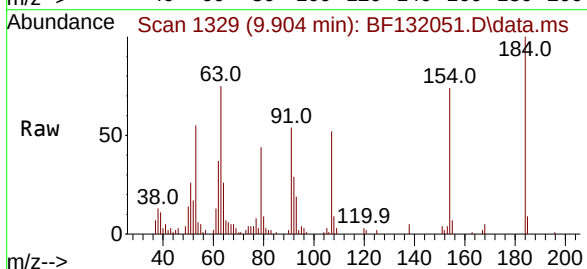
Tgt Ion:184 Resp: 13808

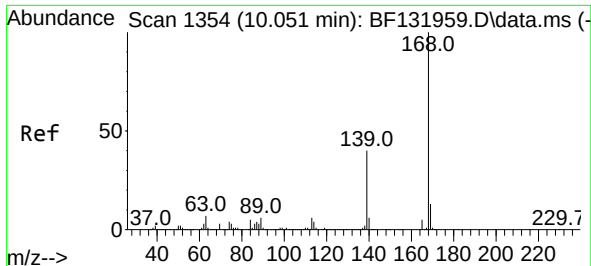
Ion Ratio Lower Upper

184 100

63 74.5 63.7 95.5

154 73.8 60.1 90.1

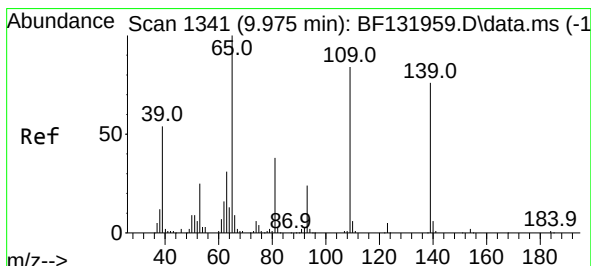
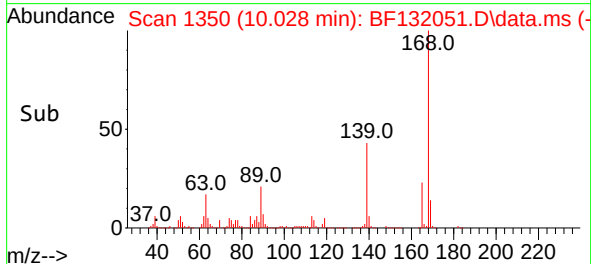
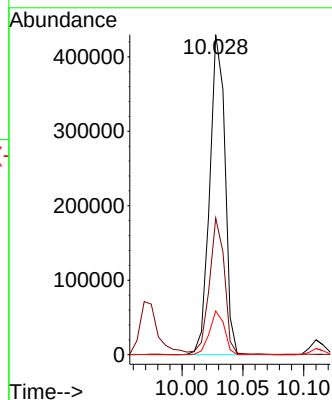
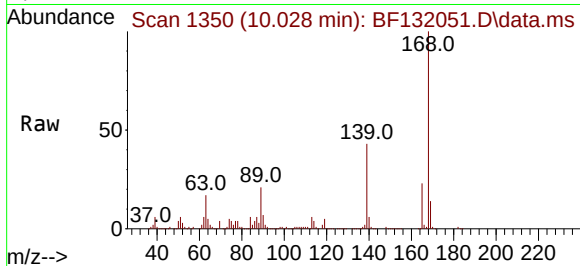




#55
Dibenzenofuran
Concen: 45.189 ng
RT: 10.028 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

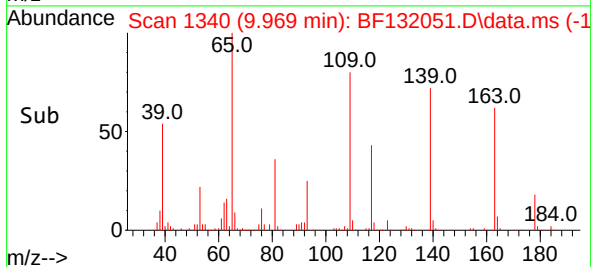
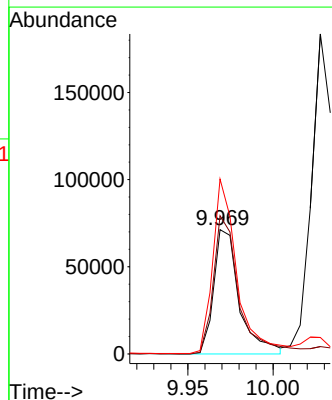
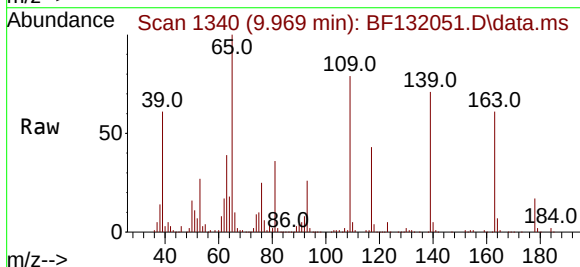
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

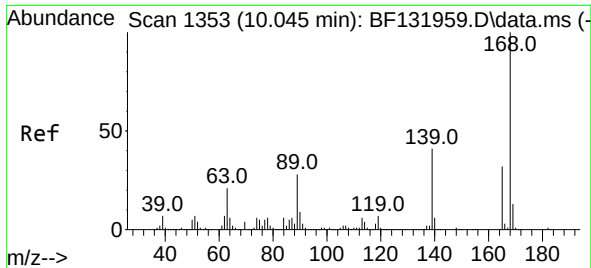
Tgt Ion:168 Resp: 374321
Ion Ratio Lower Upper
168 100
139 42.7 32.4 48.6
169 13.7 10.7 16.1



#56
4-Nitrophenol
Concen: 88.671 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:139 Resp: 74812
Ion Ratio Lower Upper
139 100
109 111.2 90.5 130.5
65 140.6 112.6 152.6

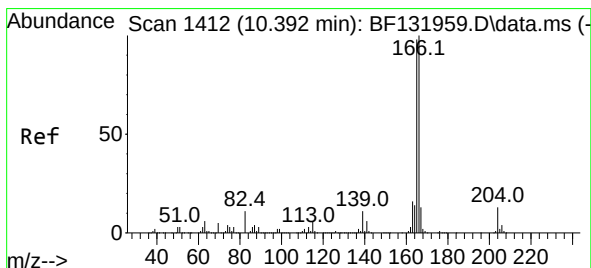
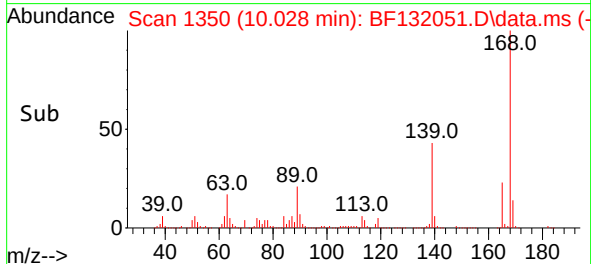
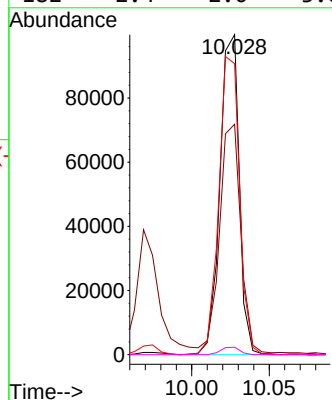
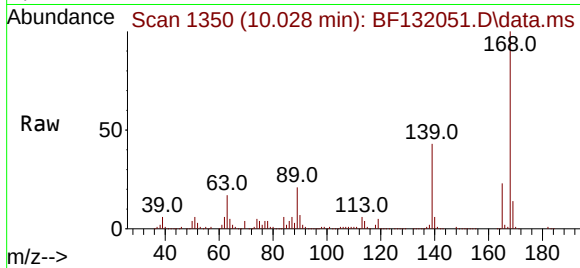




#57
2,4-Dinitrotoluene
Concen: 41.874 ng
RT: 10.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

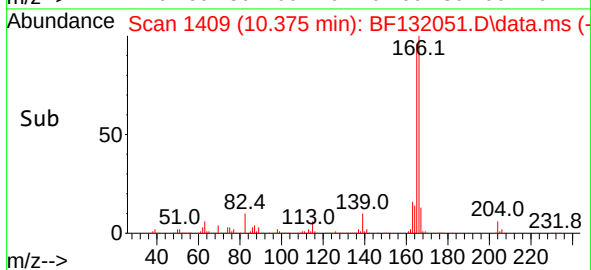
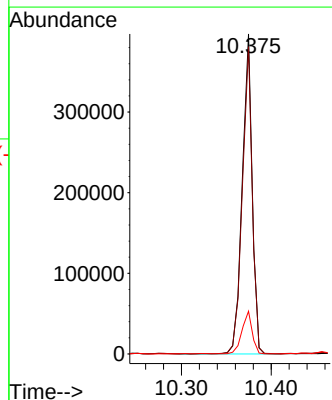
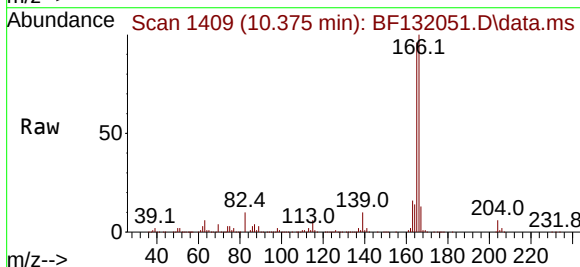
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

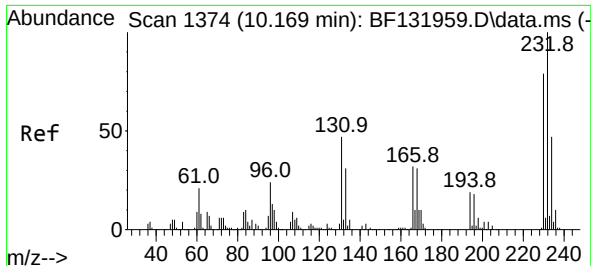
Tgt Ion:165 Resp: 86436
Ion Ratio Lower Upper
165 100
63 72.0 53.2 79.8
89 90.9 71.2 106.8
182 2.4 2.0 3.0



#58
Fluorene
Concen: 46.242 ng
RT: 10.375 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:166 Resp: 305984
Ion Ratio Lower Upper
166 100
165 96.0 78.3 117.5
167 13.4 10.7 16.1



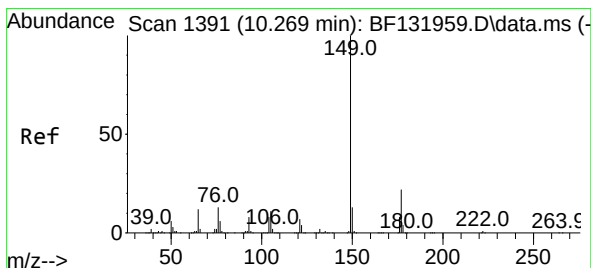
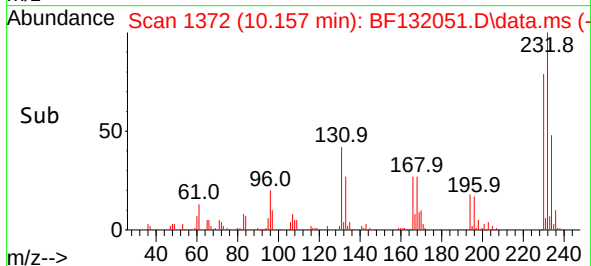
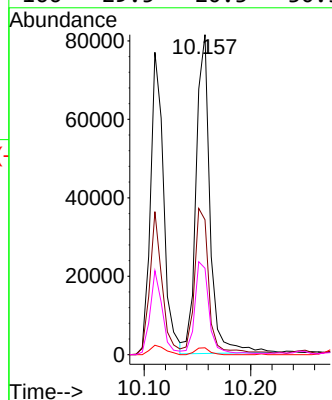
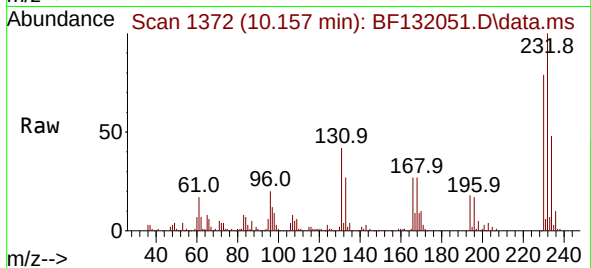


#59
2,3,4,6-Tetrachlorophenol
Concen: 42.751 ng
RT: 10.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Instrument :
BNA_F
ClientSampleId :
MH-4MSD

Tgt Ion:232 Resp: 74075

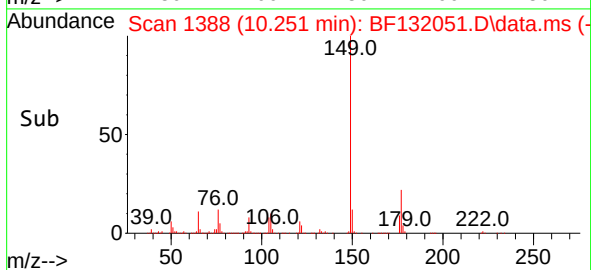
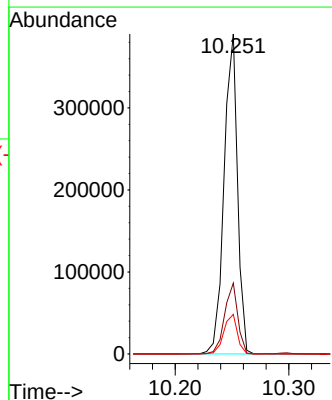
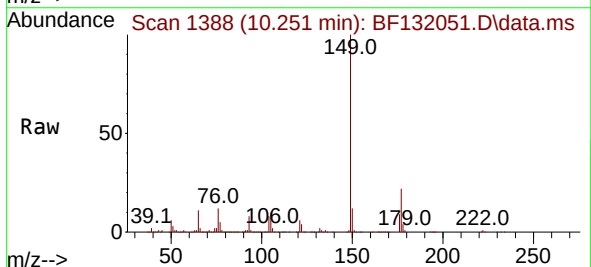
Ion	Ratio	Lower	Upper
232	100		
131	46.8	33.0	49.4
130	2.3	1.8	2.8
166	29.5	20.3	30.5

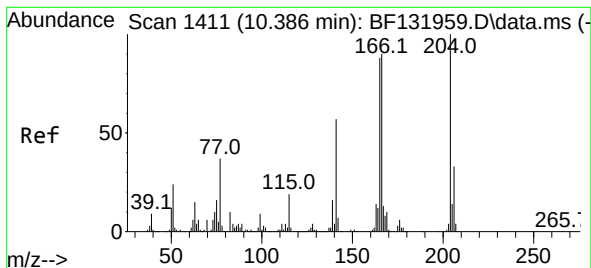


#60
Diethylphthalate
Concen: 44.447 ng
RT: 10.251 min Scan# 1388
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:149 Resp: 320826

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.7	26.5
150	12.4	10.2	15.2

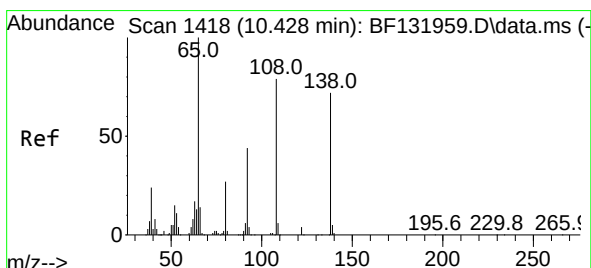
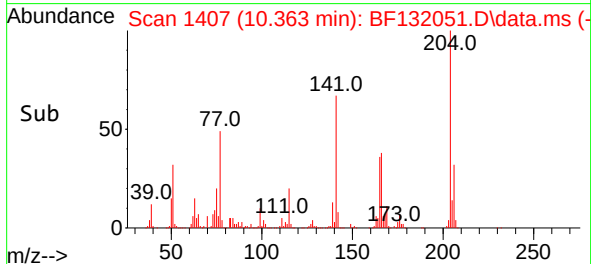
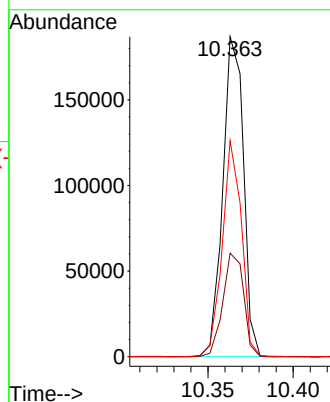
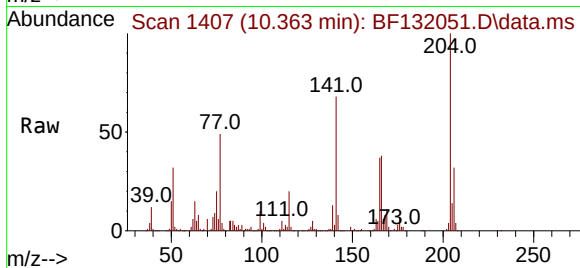




#61
4-Chlorophenyl-phenylether
Concen: 41.684 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

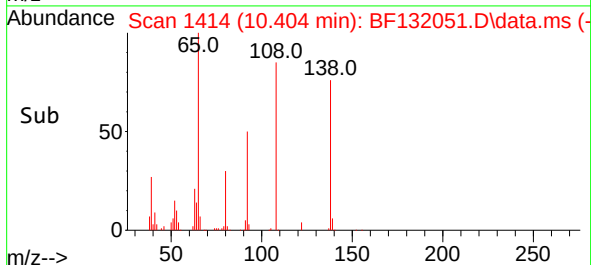
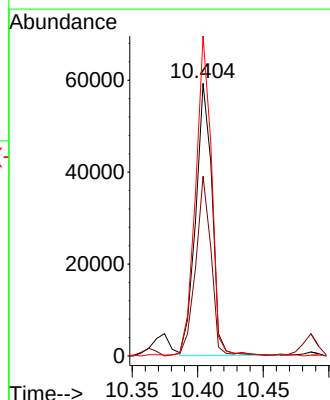
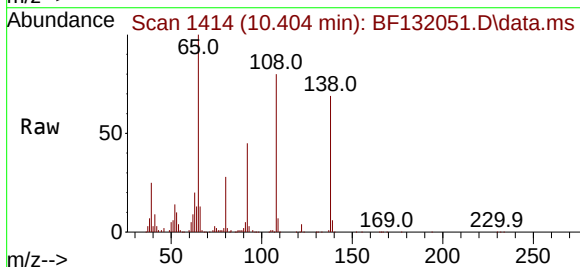
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

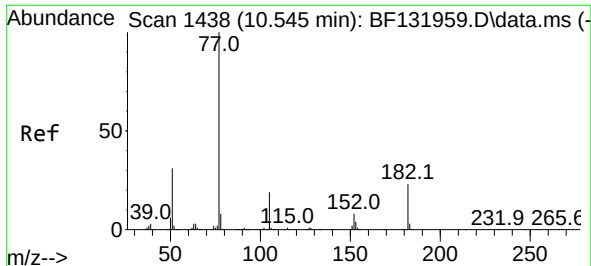
Tgt Ion:204 Resp: 157900
Ion Ratio Lower Upper
204 100
206 32.4 26.3 39.5
141 67.5 45.6 68.4



#62
4-Nitroaniline
Concen: 38.067 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:138 Resp: 51272
Ion Ratio Lower Upper
138 100
92 65.9 41.3 81.3
108 117.3 89.8 129.8

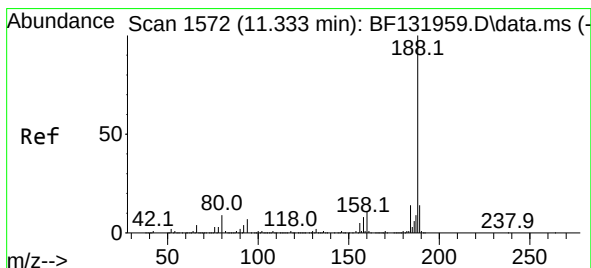
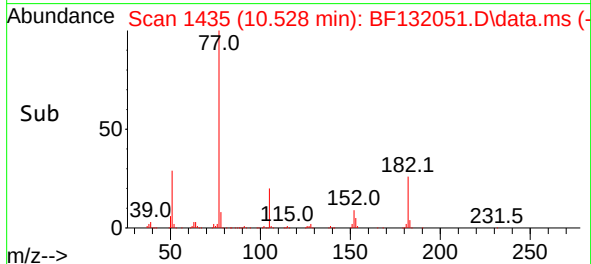
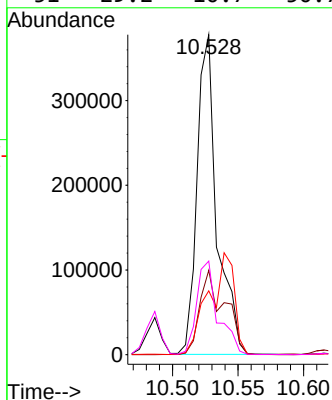
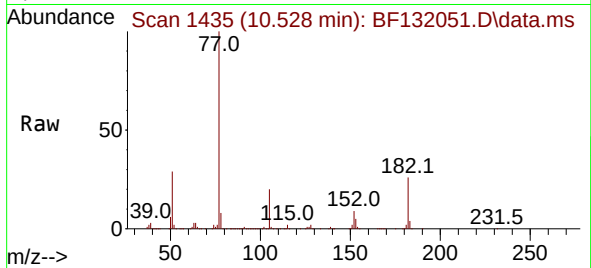




#63
Azobenzene
Concen: 52.062 ng
RT: 10.528 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

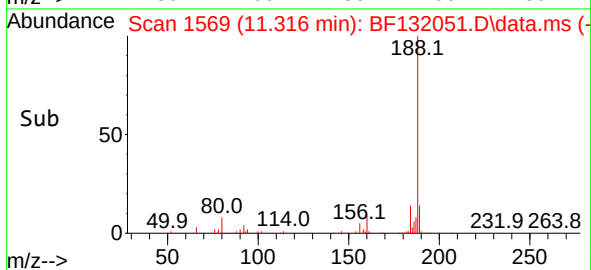
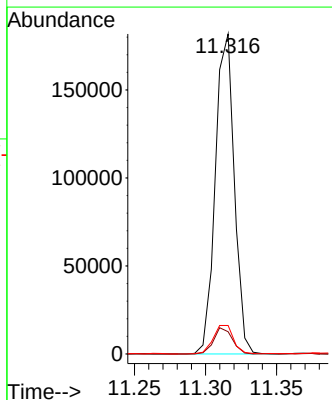
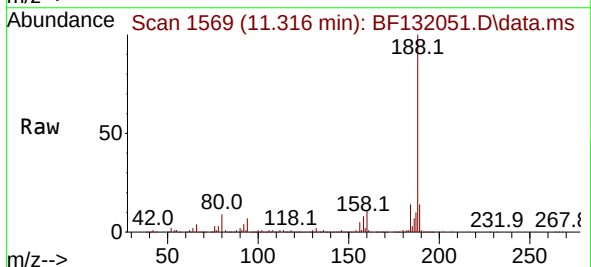
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

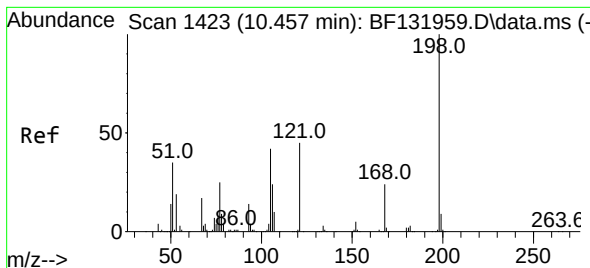
Tgt Ion: 77	Resp: 398642
Ion Ratio	Lower Upper
77 100	
182 26.4	2.9 42.9
105 20.0	0.0 39.3
51 29.2	10.7 50.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:188	Resp: 168822
Ion Ratio	Lower Upper
188 100	
94 7.0	5.8 8.6
80 8.9	7.4 11.0

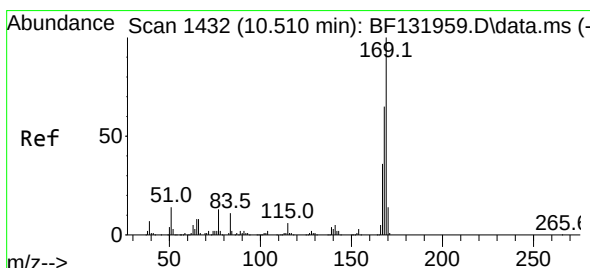
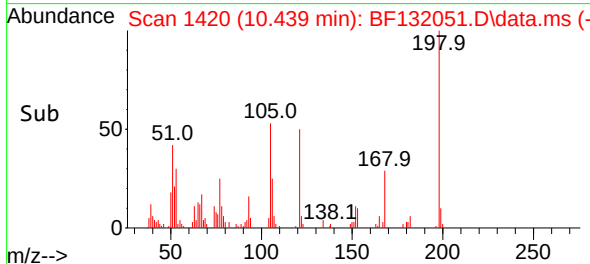
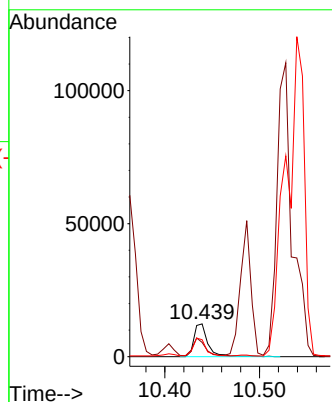
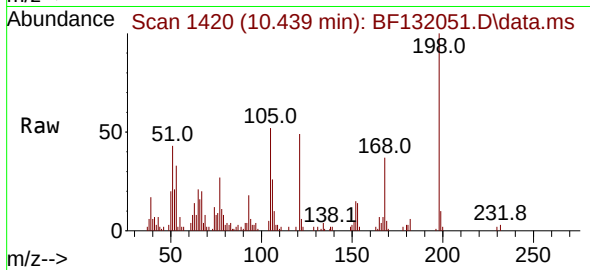




#65
4,6-Dinitro-2-methylphenol
Concen: 11.561 ng
RT: 10.439 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

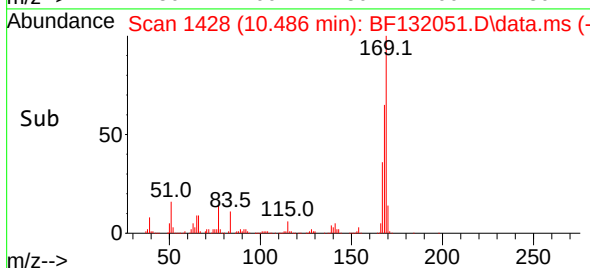
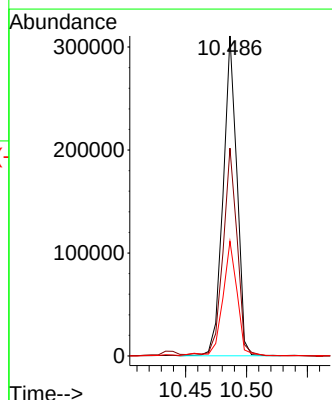
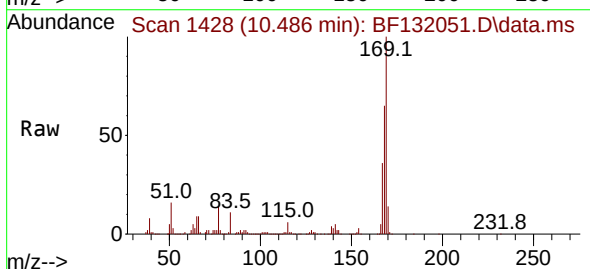
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

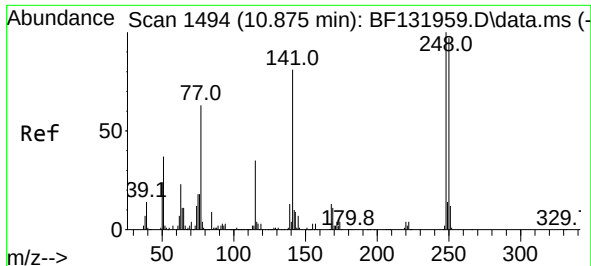
Tgt Ion:198 Resp: 12587
Ion Ratio Lower Upper
198 100
51 43.4 21.4 61.4
105 51.7 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 46.072 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:169 Resp: 244020
Ion Ratio Lower Upper
169 100
168 64.9 52.5 78.7
167 35.9 28.6 43.0

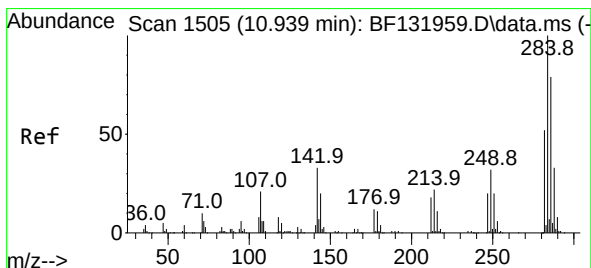
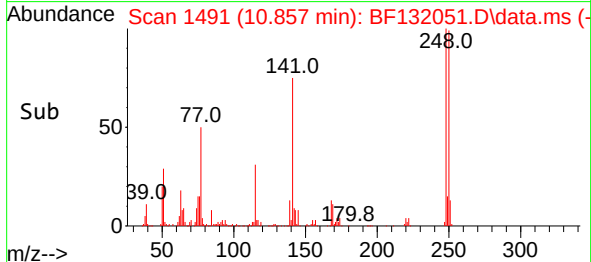
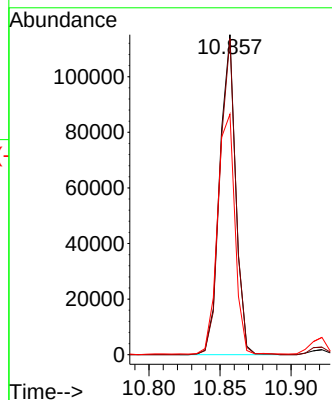
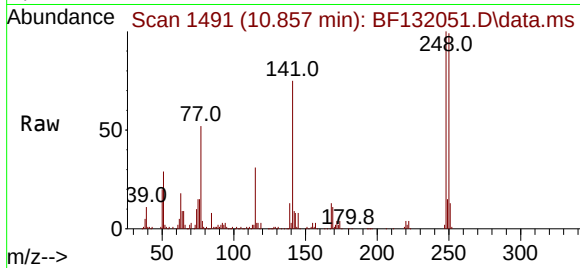




#67
4-Bromophenyl-phenylether
Concen: 42.409 ng
RT: 10.857 min Scan# 1494
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

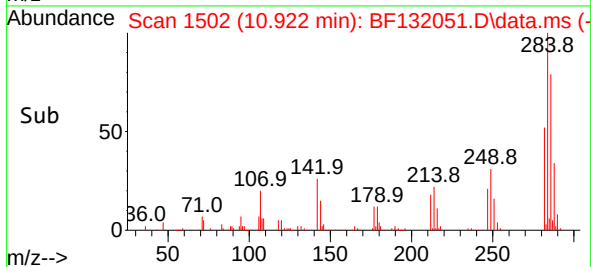
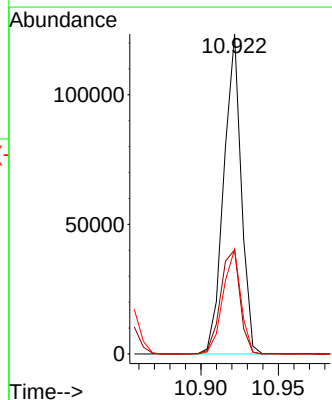
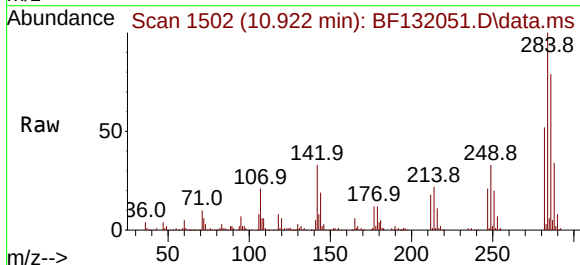
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

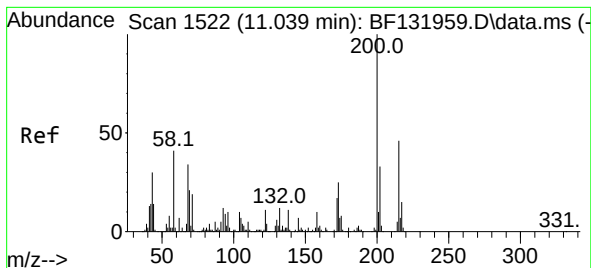
Tgt Ion:248 Resp: 89565
Ion Ratio Lower Upper
248 100
250 98.8 77.4 116.2
141 75.2 65.0 97.6



#68
Hexachlorobenzene
Concen: 45.126 ng
RT: 10.922 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:284 Resp: 96408
Ion Ratio Lower Upper
284 100
142 32.6 26.4 39.6
249 32.7 25.4 38.2





#69

Atrazine

Concen: 45.693 ng

RT: 11.016 min Scan# 1518

Delta R.T. -0.006 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

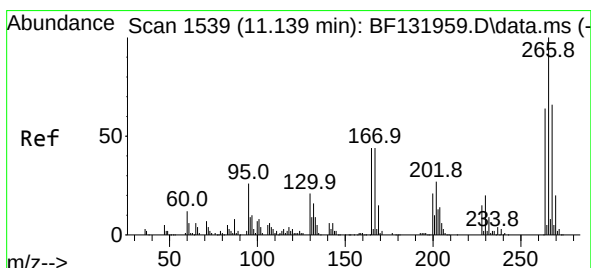
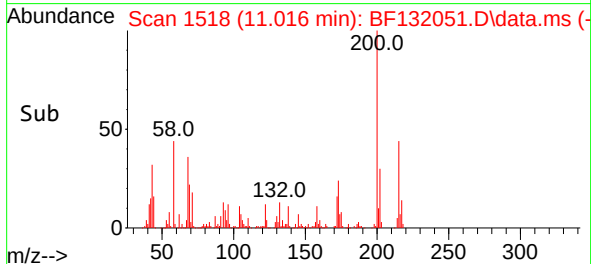
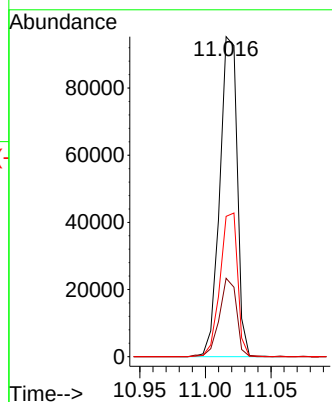
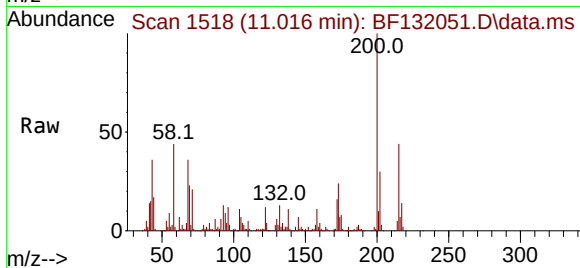
Tgt Ion:200 Resp: 88008

Ion Ratio Lower Upper

200 100

173 24.5 5.1 45.1

215 43.9 25.6 65.6



#70

Pentachlorophenol

Concen: 69.371 ng

RT: 11.128 min Scan# 1537

Delta R.T. 0.006 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

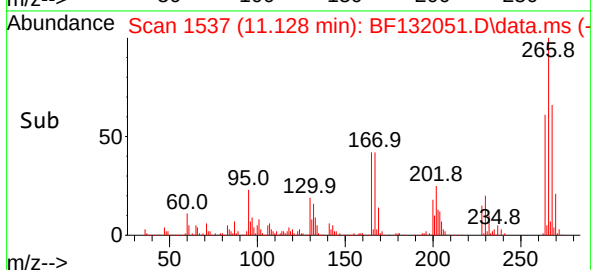
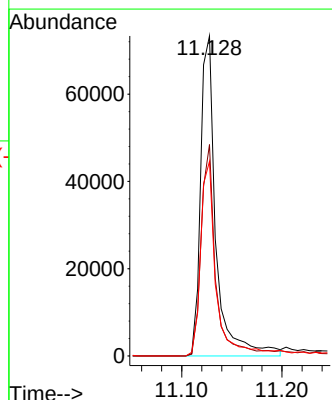
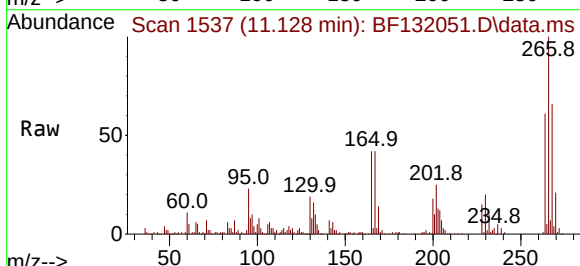
Tgt Ion:266 Resp: 78336

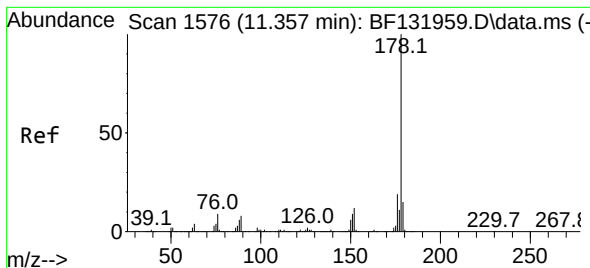
Ion Ratio Lower Upper

266 100

268 66.0 52.7 79.1

264 60.8 51.6 77.4





#71

Phenanthrene

Concen: 70.382 ng

RT: 11.339 min Scan# 1573

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

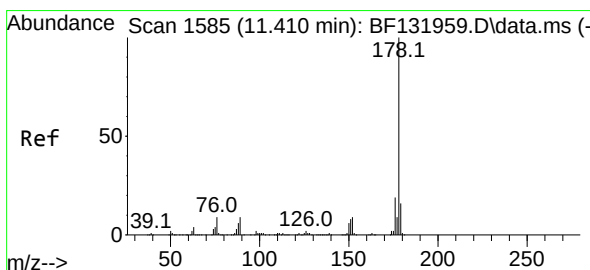
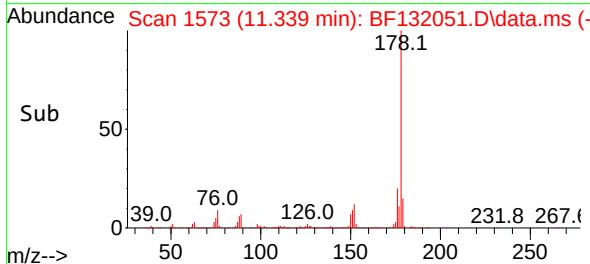
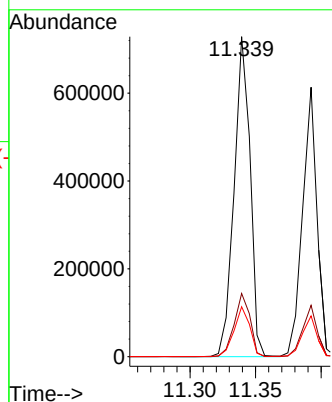
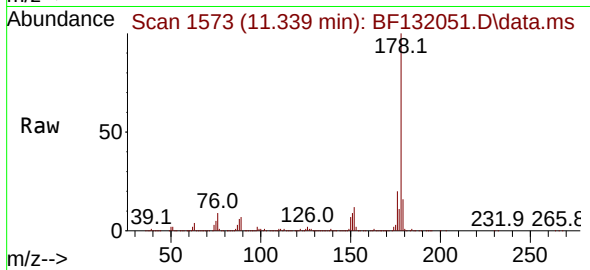
Tgt Ion:178 Resp: 619418

Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

179 15.6 12.4 18.6



#72

Anthracene

Concen: 52.111 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

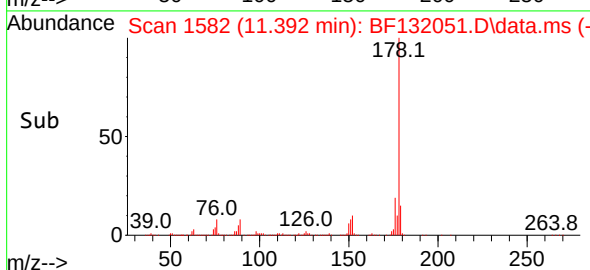
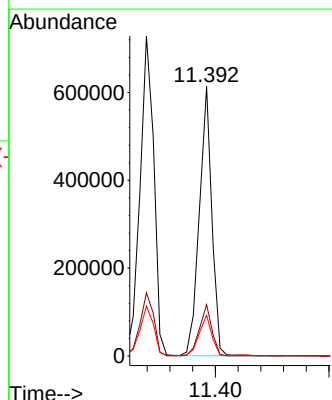
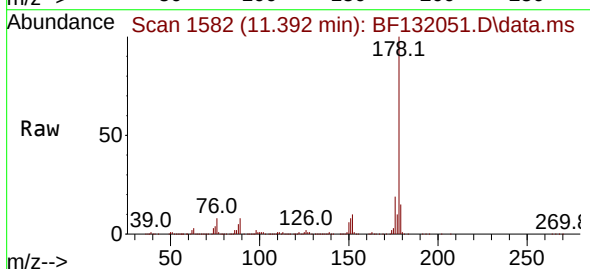
Tgt Ion:178 Resp: 472126

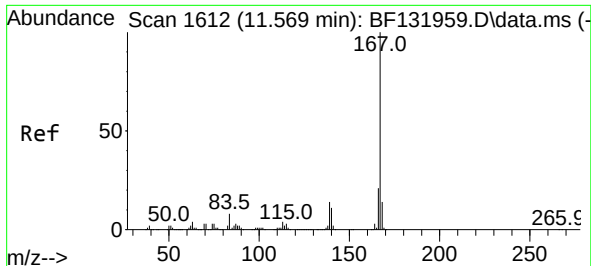
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.2 12.6 19.0

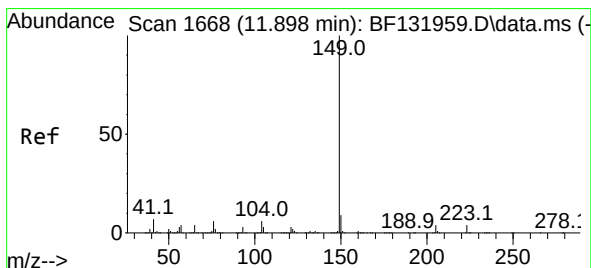
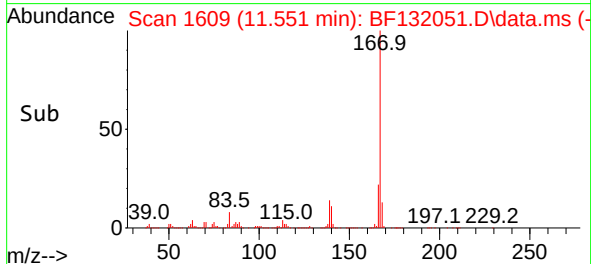
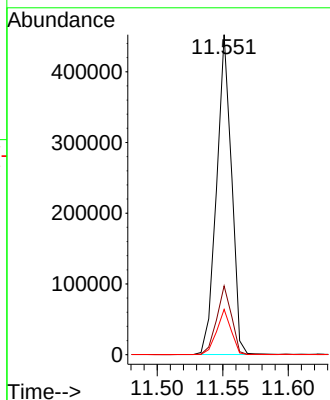
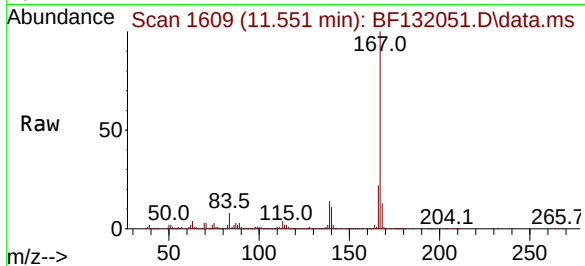




#73
Carbazole
Concen: 47.595 ng
RT: 11.551 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

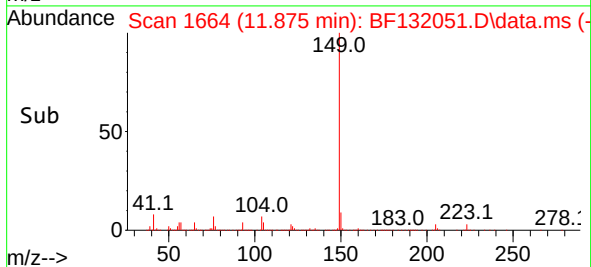
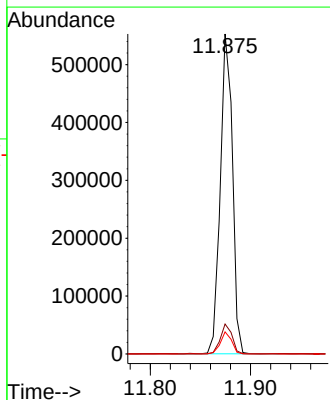
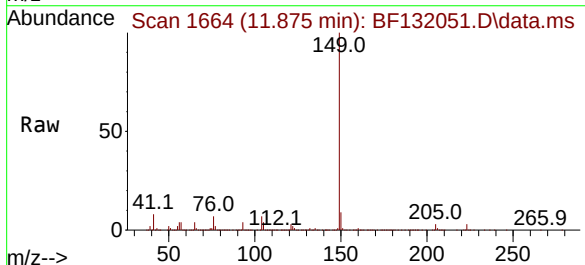
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

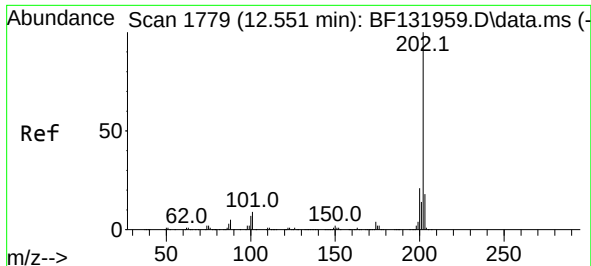
Tgt Ion:167 Resp: 356998
Ion Ratio Lower Upper
167 100
166 21.5 16.8 25.2
139 14.2 11.1 16.7



#74
Di-n-butylphthalate
Concen: 44.362 ng
RT: 11.875 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:149 Resp: 463325
Ion Ratio Lower Upper
149 100
150 9.4 7.3 10.9
104 6.9 5.0 7.6

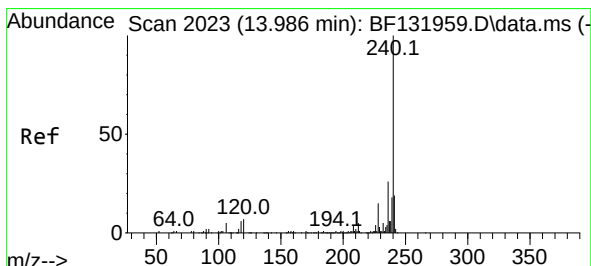
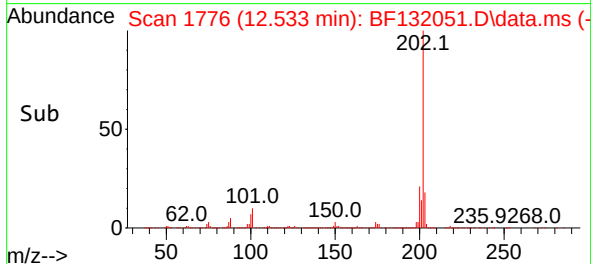
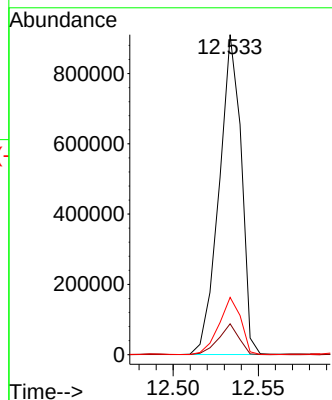
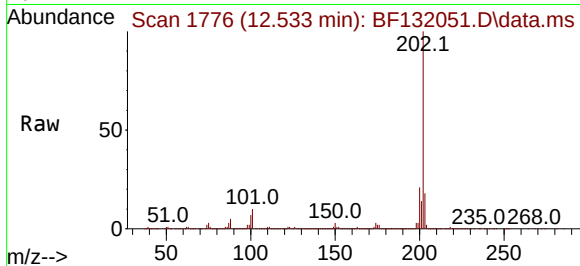




#75
Fluoranthene
Concen: 82.944 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

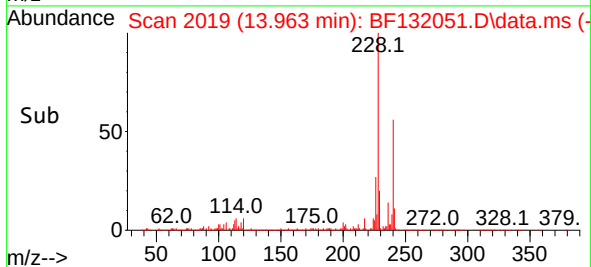
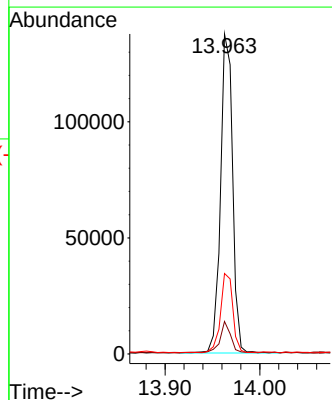
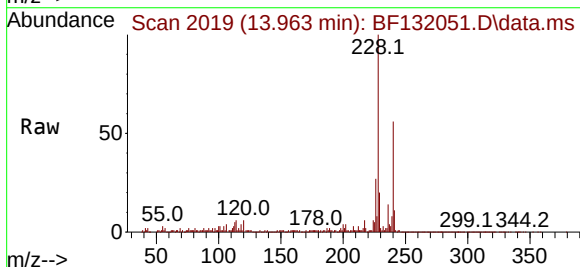
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

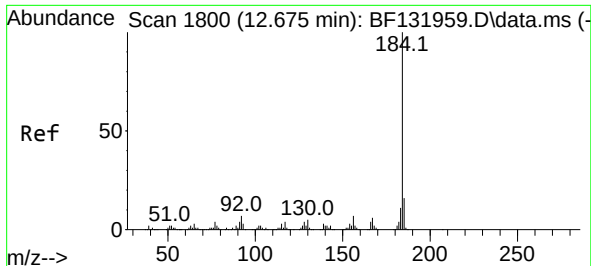
Tgt Ion:202 Resp: 820957
Ion Ratio Lower Upper
202 100
101 9.6 0.0 28.8
203 17.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:240 Resp: 121635
Ion Ratio Lower Upper
240 100
120 10.2 5.4 8.0#
236 25.1 21.1 31.7

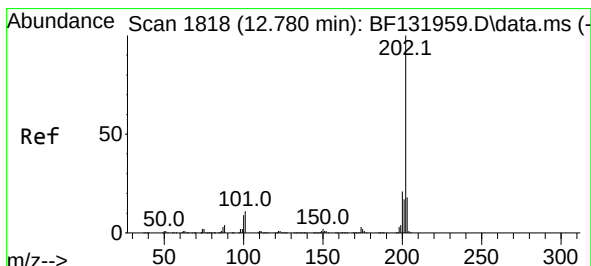
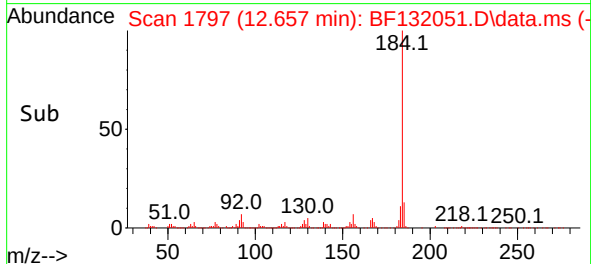
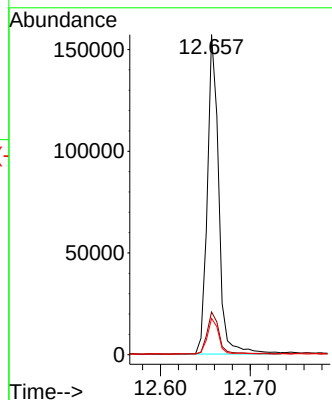
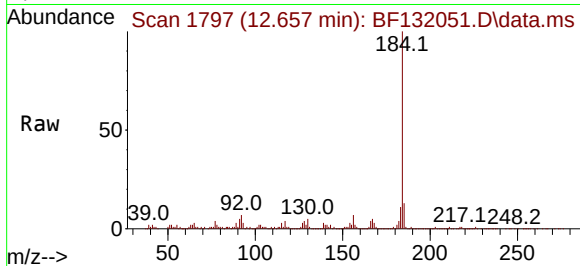




#77
Benzidine
Concen: 34.297 ng
RT: 12.657 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

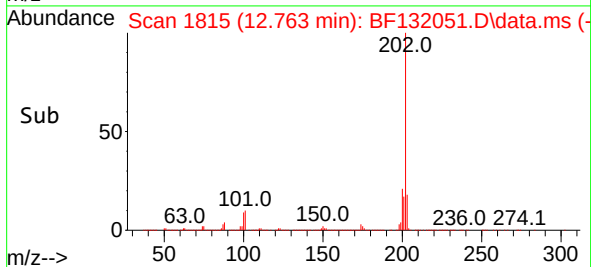
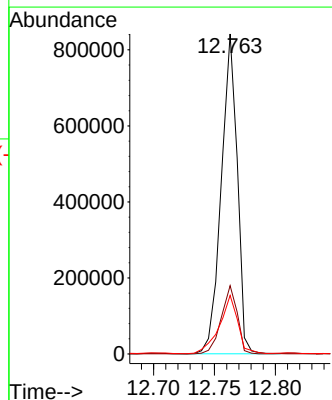
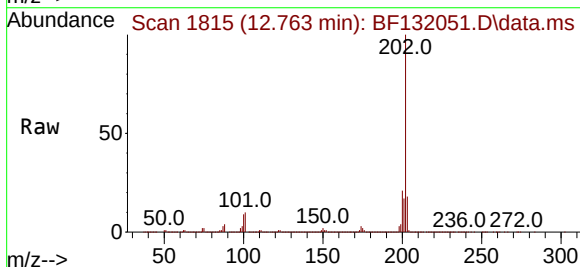
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

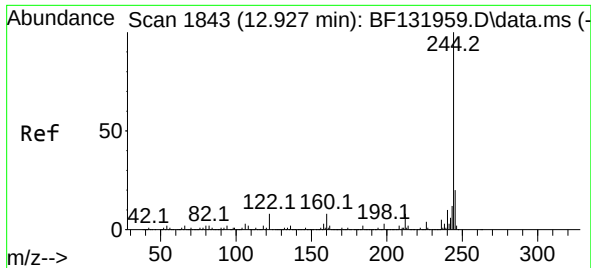
Tgt Ion:184 Resp: 138592
Ion Ratio Lower Upper
184 100
185 13.4 12.8 19.2
183 11.3 9.0 13.4



#78
Pyrene
Concen: 69.426 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:202 Resp: 770198
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.6
203 18.3 14.1 21.1

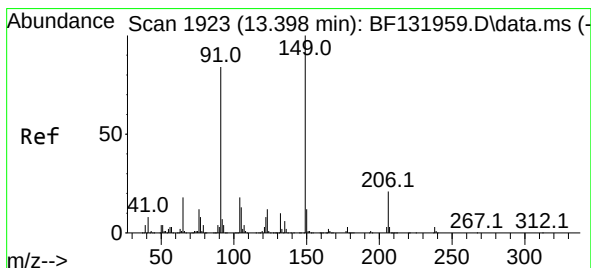
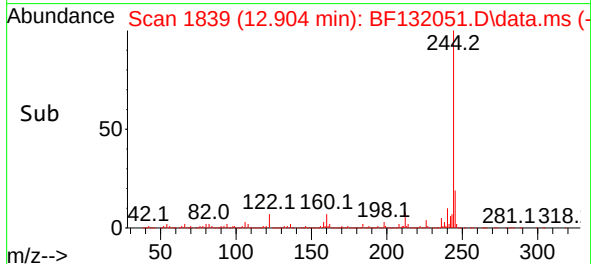
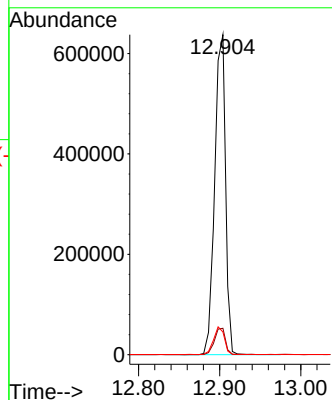
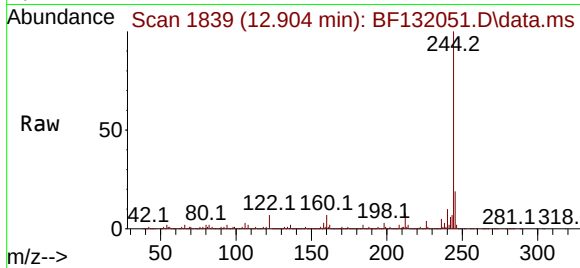




#79
 Terphenyl-d14
 Concen: 69.489 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. 0.000 min
 Lab File: BF132051.D
 Acq: 12 Jan 2023 20:23

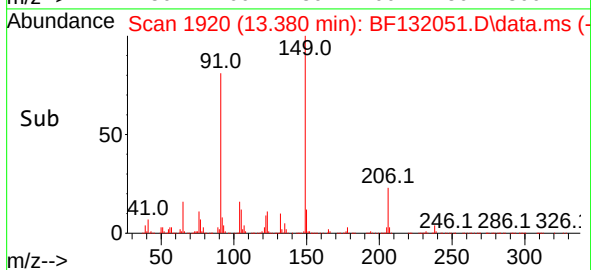
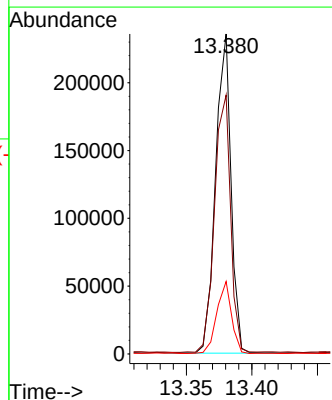
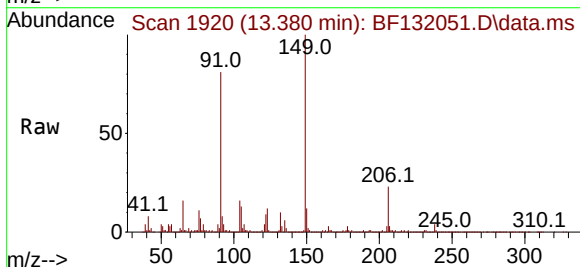
Instrument :
 BNA_F
 ClientSampleId :
 MH-4MSD

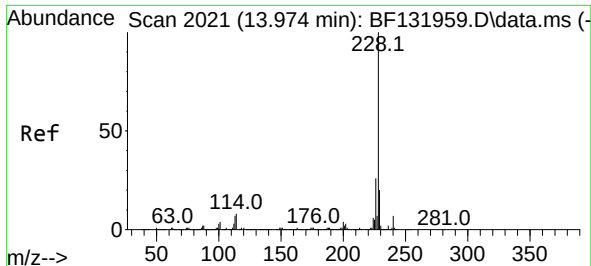
Tgt Ion:244 Resp: 589721
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.3 9.5
 122 7.1 6.8 10.2



#80
 Butylbenzylphthalate
 Concen: 42.852 ng
 RT: 13.380 min Scan# 1920
 Delta R.T. 0.000 min
 Lab File: BF132051.D
 Acq: 12 Jan 2023 20:23

Tgt Ion:149 Resp: 191889
 Ion Ratio Lower Upper
 149 100
 91 80.9 67.0 100.4
 206 22.7 16.9 25.3

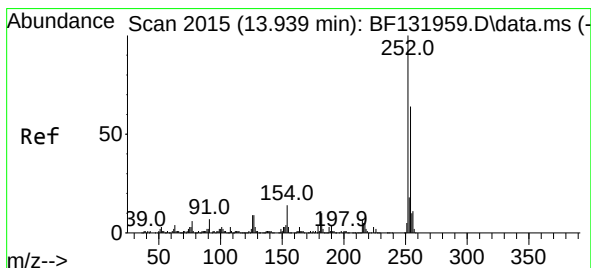
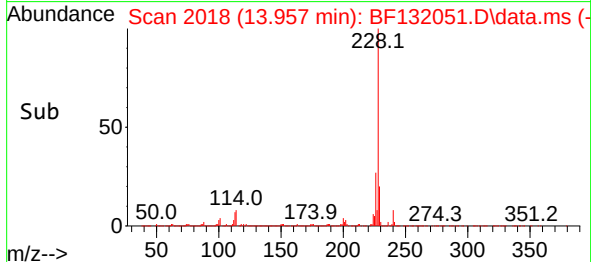
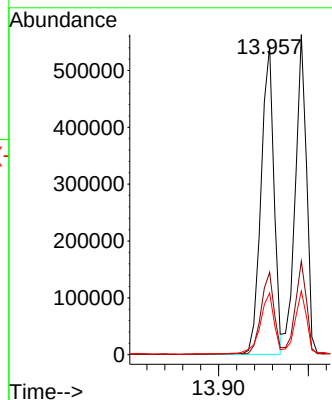
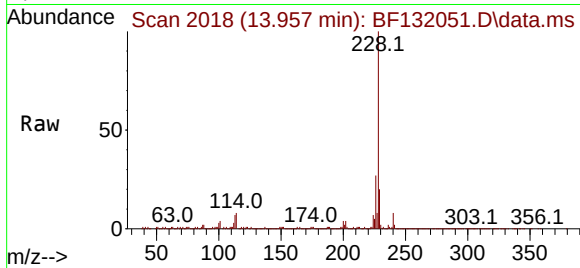




#81
Benzo(a)anthracene
Concen: 61.401 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

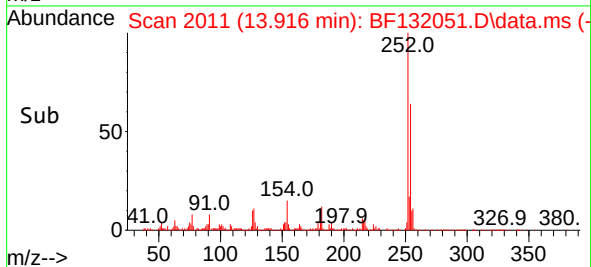
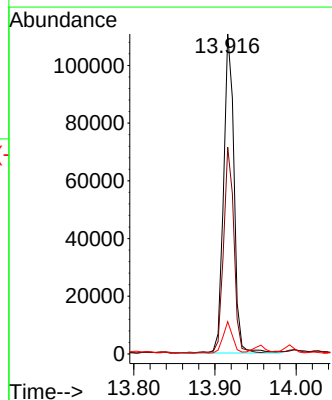
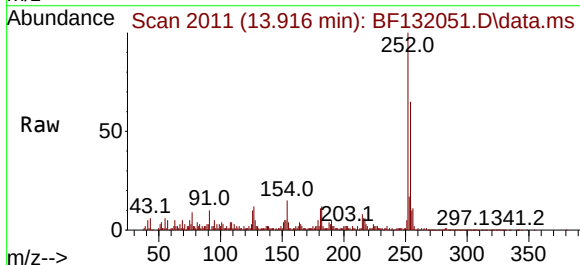
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

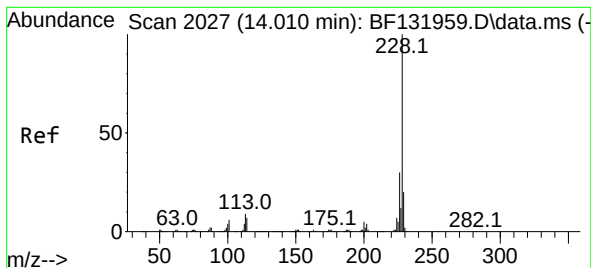
Tgt Ion:228 Resp: 543354
Ion Ratio Lower Upper
228 100
226 26.7 21.0 31.4
229 20.0 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 36.151 ng
RT: 13.916 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:252 Resp: 99845
Ion Ratio Lower Upper
252 100
254 64.6 51.5 77.3
126 10.1 6.9 10.3





#83

Chrysene

Concen: 57.623 ng

RT: 13.992 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

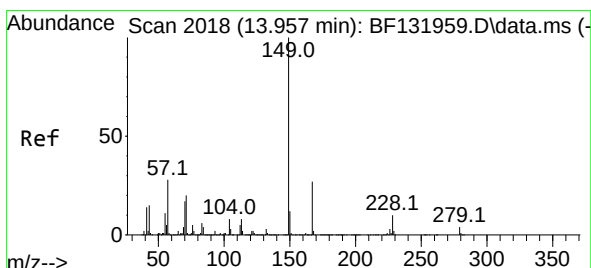
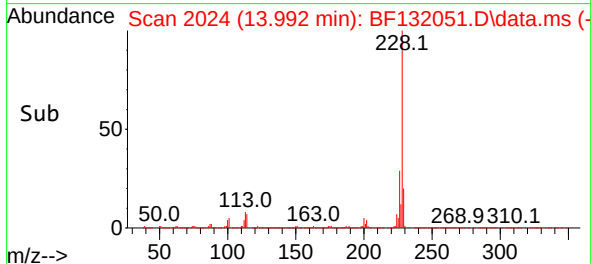
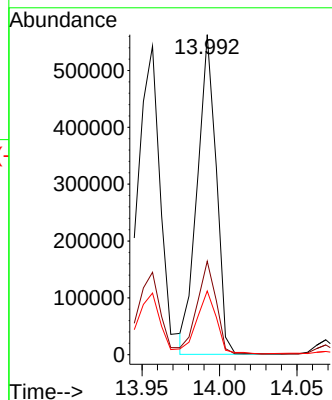
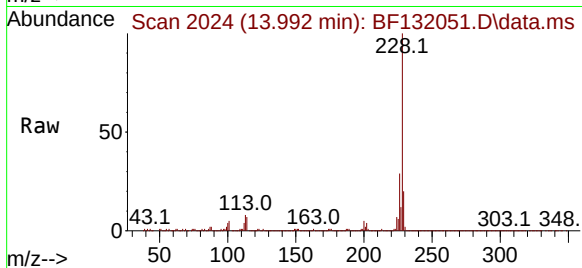
Tgt Ion:228 Resp: 476560

Ion Ratio Lower Upper

228 100

226 29.2 24.0 36.0

229 19.9 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.135 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

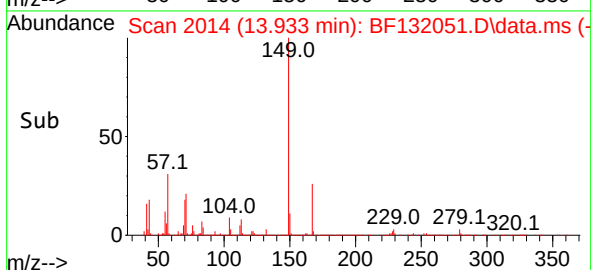
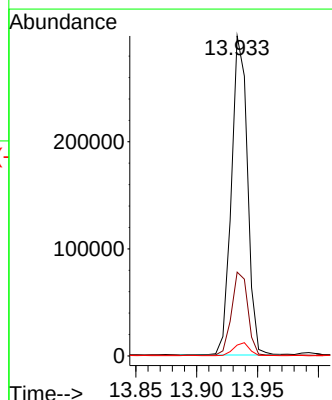
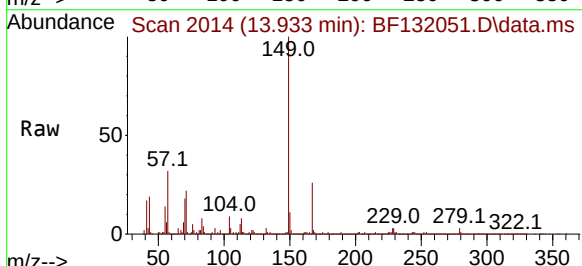
Tgt Ion:149 Resp: 273818

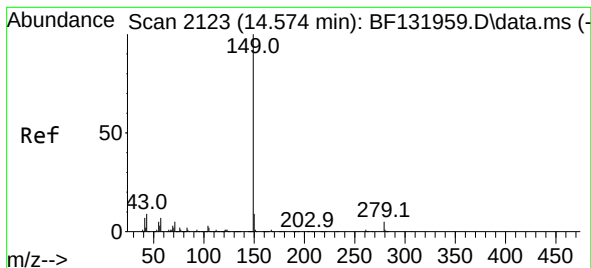
Ion Ratio Lower Upper

149 100

167 26.2 21.3 31.9

279 3.4 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 52.006 ng

RT: 14.551 min Scan# 2119

Delta R.T. 0.006 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

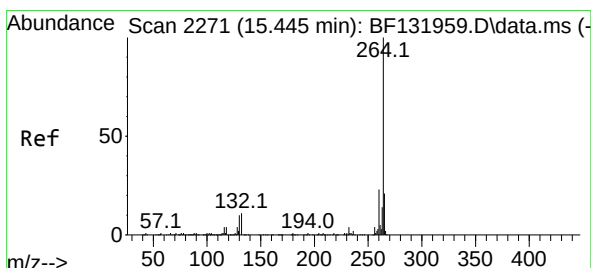
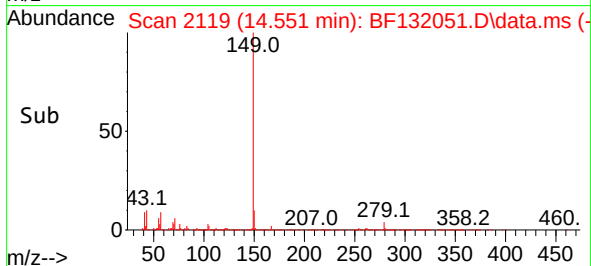
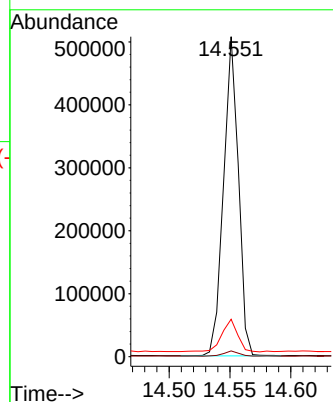
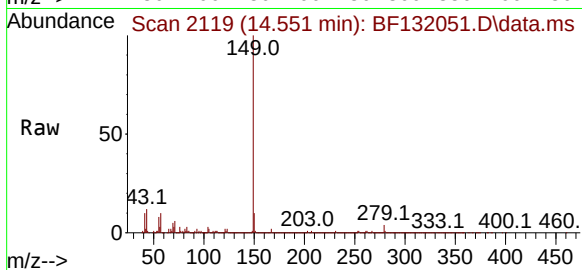
Tgt Ion:149 Resp: 431739

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 10.9 7.8 11.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2268

Delta R.T. 0.012 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

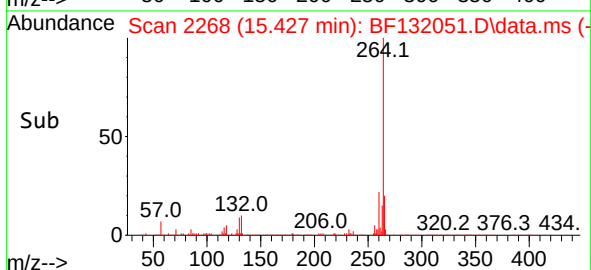
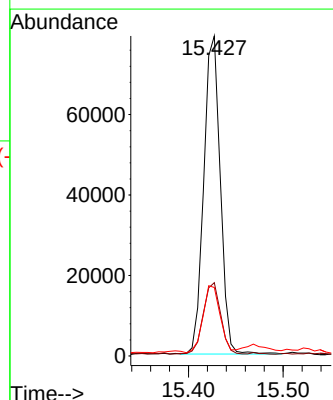
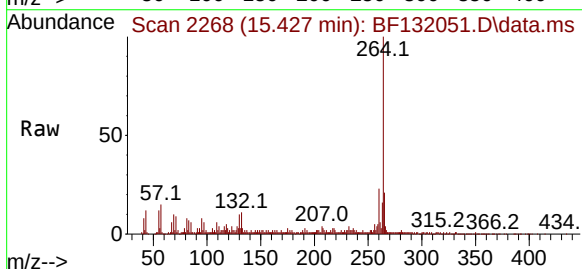
Tgt Ion:264 Resp: 96245

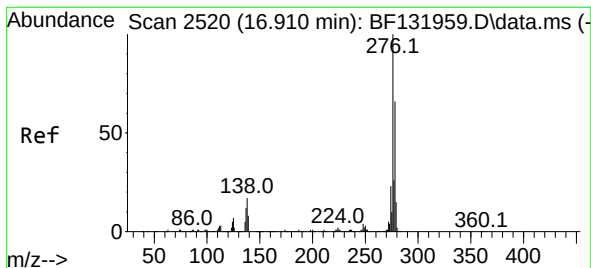
Ion Ratio Lower Upper

264 100

260 22.9 18.3 27.5

265 21.4 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 53.168 ng

RT: 16.892 min Scan# 2196

Delta R.T. 0.012 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

Instrument :

BNA_F

ClientSampleId :

MH-4MSD

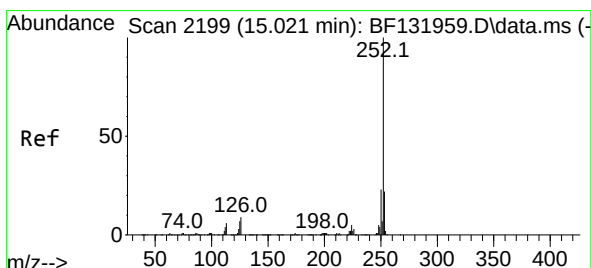
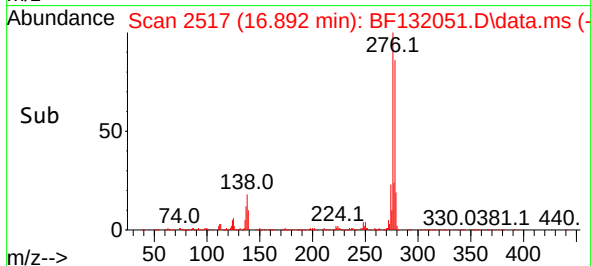
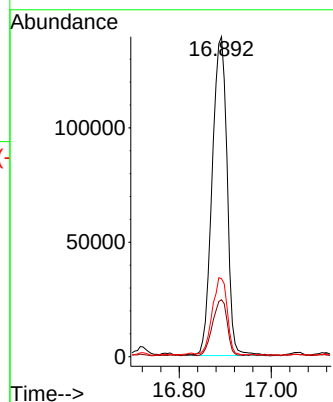
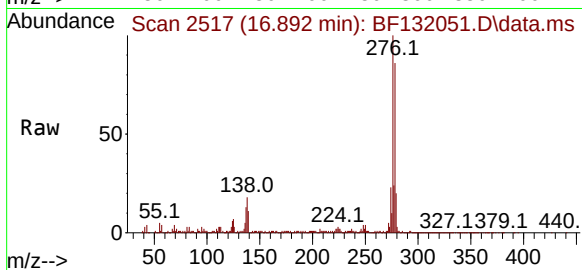
Tgt Ion:276 Resp: 313833

Ion Ratio Lower Upper

276 100

138 17.1 14.2 21.2

277 23.9 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 63.955 ng

RT: 15.004 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF132051.D

Acq: 12 Jan 2023 20:23

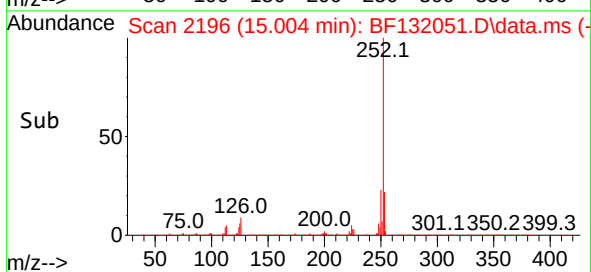
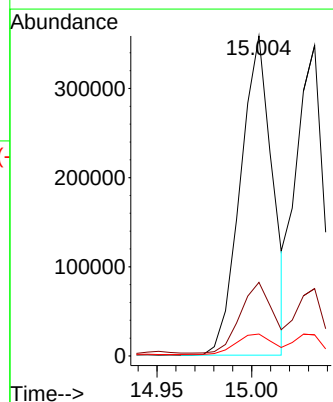
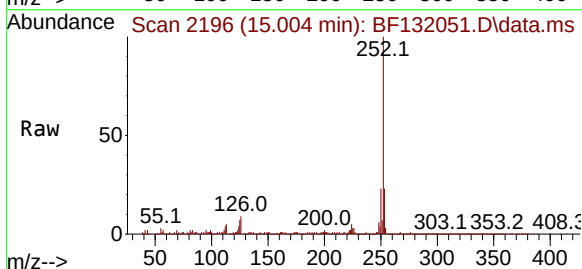
Tgt Ion:252 Resp: 422186

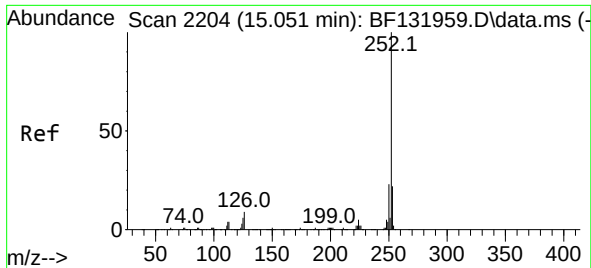
Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

125 6.9 5.8 8.6

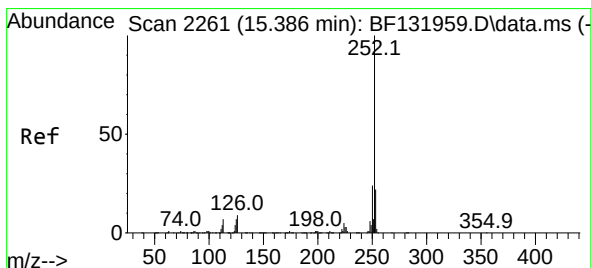
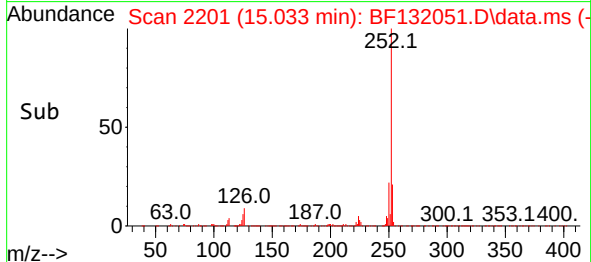
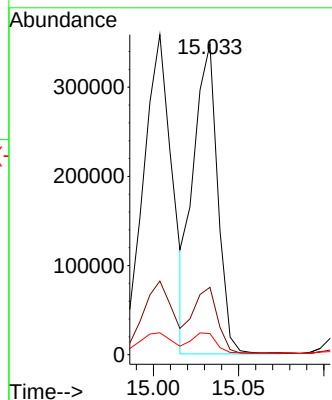
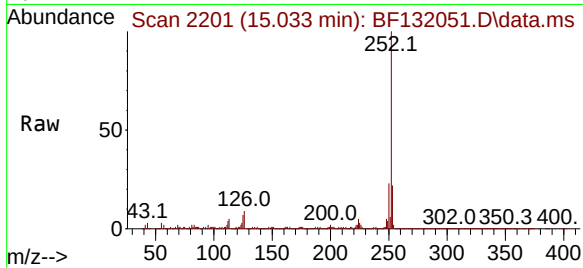




#89
Benzo(k)fluoranthene
Concen: 52.114 ng
RT: 15.033 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

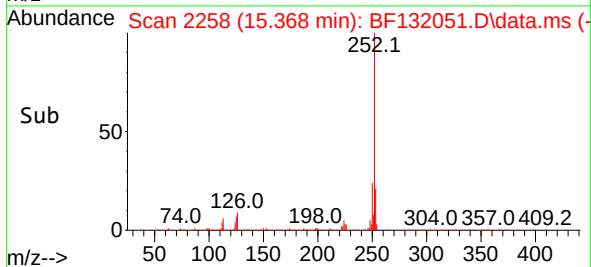
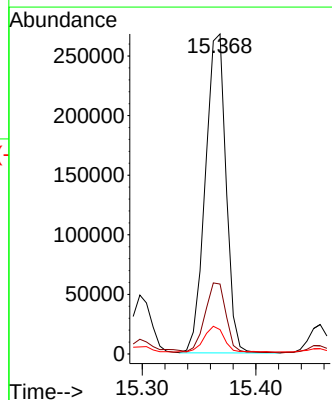
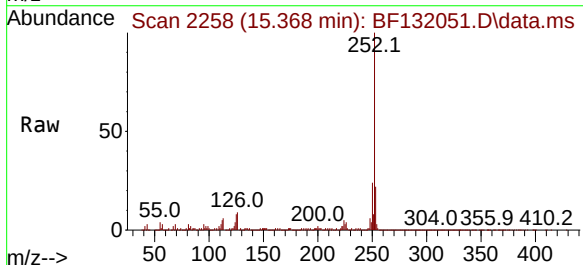
Instrument :
BNA_F
ClientSampleId :
MH-4MSD

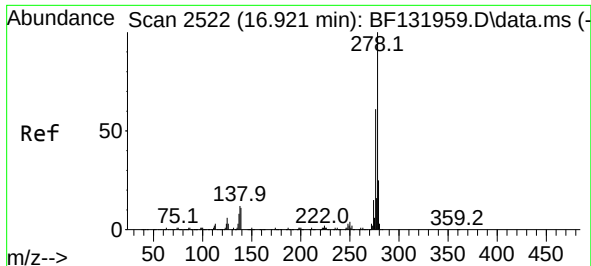
Tgt Ion:252 Resp: 343329
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 6.8 5.2 7.8



#90
Benzo(a)pyrene
Concen: 56.874 ng
RT: 15.368 min Scan# 2258
Delta R.T. 0.012 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:252 Resp: 338264
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 7.6 5.7 8.5

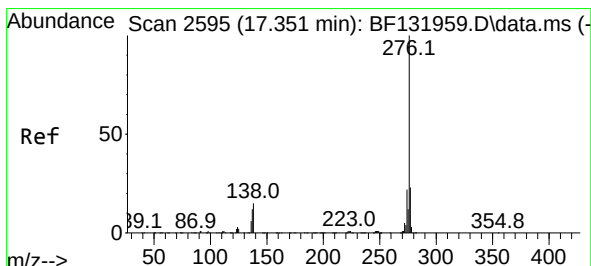
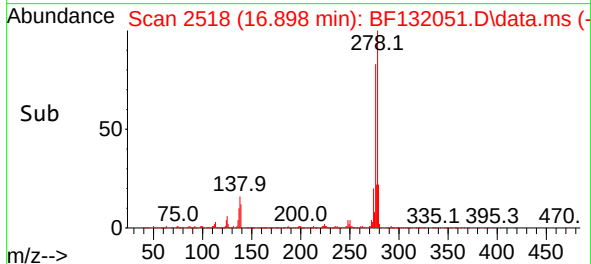
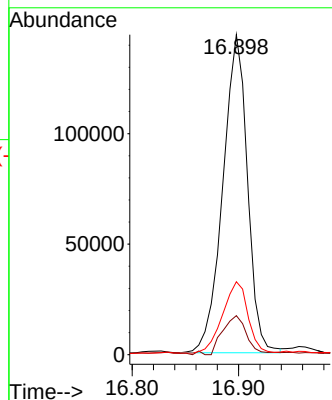
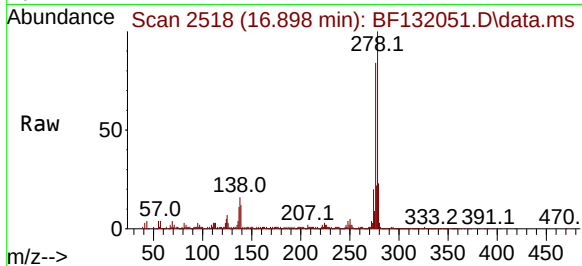




#91
Dibenzo(a,h)anthracene
Concen: 46.680 ng
RT: 16.898 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Instrument :
BNA_F
ClientSampleId :
MH-4MSD

Tgt Ion:278 Resp: 230980
Ion Ratio Lower Upper
278 100
139 12.2 8.8 13.2
279 22.8 19.8 29.6



#92
Benzo(g,h,i)perylene
Concen: 47.724 ng
RT: 17.327 min Scan# 2591
Delta R.T. 0.012 min
Lab File: BF132051.D
Acq: 12 Jan 2023 20:23

Tgt Ion:276 Resp: 252741
Ion Ratio Lower Upper
276 100
277 23.8 18.2 27.2
138 16.4 11.7 17.5

