

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010423\
 Data File : BF131898.D
 Acq On : 04 Jan 2023 14:35
 Operator : CG\JU
 Sample : N6242-04MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MM-4MSD

Quant Time: Jan 05 05:41:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 02:06:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	55970	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	204017	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	116971	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	213903	20.000	ng	# 0.00
76) Chrysene-d12	14.015	240	103889	20.000	ng	0.00
86) Perylene-d12	15.492	264	121576	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	474466	140.485	ng	0.01
7) Phenol-d6	6.451	99	622703	140.337	ng	0.00
23) Nitrobenzene-d5	7.386	82	440609	86.226	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	170756	134.359	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	768216	89.958	ng	0.00
79) Terphenyl-d14	12.951	244	732922	119.334	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.581	88	67385	43.026	ng	100
3) Pyridine	3.316	79	181013	41.112	ng	94
4) n-Nitrosodimethylamine	3.281	42	92998	44.921	ng	98
6) Aniline	6.475	93	213252	39.628	ng	93
8) 2-Chlorophenol	6.598	128	166322	46.743	ng	95
9) Benzaldehyde	6.363	77	115262	40.484	ng	96
10) Phenol	6.463	94	239375	45.301	ng	97
11) bis(2-Chloroethyl)ether	6.551	93	175571	46.464	ng	99
12) 1,3-Dichlorobenzene	6.751	146	186693	45.913	ng	98
13) 1,4-Dichlorobenzene	6.828	146	189895	46.339	ng	96
14) 1,2-Dichlorobenzene	6.981	146	182041	47.276	ng	97
15) Benzyl Alcohol	6.963	79	183114	47.060	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.092	45	227772	47.235	ng	98
17) 2-Methylphenol	7.075	107	149848	46.065	ng	99
18) Hexachloroethane	7.322	117	76062	45.966	ng	99
19) n-Nitroso-di-n-propyla...	7.233	70	144153	46.000	ng	100
20) 3+4-Methylphenols	7.228	107	192396	45.330	ng	96
22) Acetophenone	7.228	105	273985	45.808	ng	98
24) Nitrobenzene	7.404	77	222810	43.509	ng	99
25) Isophorone	7.645	82	397273	47.607	ng	99
26) 2-Nitrophenol	7.722	139	89506	44.953	ng	98
27) 2,4-Dimethylphenol	7.757	122	151743	53.428	ng	94
28) bis(2-Chloroethoxy)met...	7.857	93	220573	49.269	ng	99
29) 2,4-Dichlorophenol	7.963	162	151670	44.325	ng	98
30) 1,2,4-Trichlorobenzene	8.045	180	178491	43.996	ng	100
31) Naphthalene	8.128	128	486288	43.523	ng	99
32) Benzoic acid	7.886	122	74993	36.126	ng	97
33) 4-Chloroaniline	8.180	127	114789	26.776	ng	99
34) Hexachlorobutadiene	8.239	225	118228	42.595	ng	99
35) Caprolactam	8.551	113	23632	23.326	ng	94
36) 4-Chloro-3-methylphenol	8.669	107	171232	44.277	ng	97
37) 2-Methylnaphthalene	8.822	142	329992	44.006	ng	100
38) 1-Methylnaphthalene	8.922	142	301111	41.340	ng	99
40) 1,2,4,5-Tetrachloroben...	8.986	216	187518	45.657	ng	98
41) Hexachlorocyclopentadiene	8.969	237	178707	95.950	ng	100
43) 2,4,6-Trichlorophenol	9.104	196	114343	43.468	ng	98

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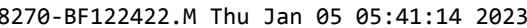
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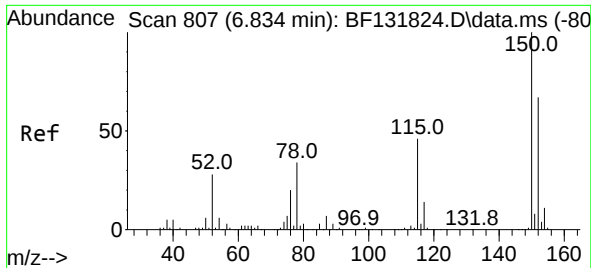
Quant Time: Jan 05 05:41:05 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 02:06:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.145	196	120682	42.441	ng	95
46) 1,1'-Biphenyl	9.286	154	417578	46.629	ng	99
47) 2-Chloronaphthalene	9.310	162	330939	44.668	ng	97
48) 2-Nitroaniline	9.416	65	114281	42.083	ng	97
49) Acenaphthylene	9.727	152	494479	44.822	ng	99
50) Dimethylphthalate	9.592	163	386404	43.665	ng	99
51) 2,6-Dinitrotoluene	9.657	165	83172	43.417	ng	100
52) Acenaphthene	9.898	154	286787	43.073	ng	98
53) 3-Nitroaniline	9.827	138	51118	26.189	ng	97
54) 2,4-Dinitrophenol	9.939	184	85688	77.728	ng	97
55) Dibenzofuran	10.074	168	453854	44.243	ng	99
56) 4-Nitrophenol	9.998	139	111056	81.220	ng	90
57) 2,4-Dinitrotoluene	10.063	165	112611	42.984	ng	95
58) Fluorene	10.422	166	354260	42.303	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.192	232	96725	41.451	ng	# 89
60) Diethylphthalate	10.292	149	367709	43.173	ng	99
61) 4-Chlorophenyl-phenyle...	10.410	204	195401	44.884	ng	99
62) 4-Nitroaniline	10.445	138	77261	37.980	ng	94
63) Azobenzene	10.569	77	410108	43.387	ng	95
65) 4,6-Dinitro-2-methylph...	10.474	198	58782	40.362	ng	93
66) n-Nitrosodiphenylamine	10.533	169	297549	45.602	ng	97
67) 4-Bromophenyl-phenylether	10.904	248	114586	46.220	ng	98
68) Hexachlorobenzene	10.963	284	125421	46.053	ng	99
69) Atrazine	11.063	200	107653	50.115	ng	98
70) Pentachlorophenol	11.169	266	113189	83.993	ng	100
71) Phenanthrene	11.386	178	492732	41.889	ng	99
72) Anthracene	11.439	178	505424	43.924	ng	100
73) Carbazole	11.598	167	431558	42.483	ng	99
74) Di-n-butylphthalate	11.921	149	539408	43.931	ng	100
75) Fluoranthene	12.580	202	488818	35.677	ng	99
77) Benzidine	12.704	184	205939	120.624	ng	98
78) Pyrene	12.810	202	481259	55.269	ng	99
80) Butylbenzylphthalate	13.427	149	174512	54.033	ng	93
81) Benzo(a)anthracene	14.004	228	331235	44.037	ng	98
82) 3,3'-Dichlorobenzidine	13.968	252	76893	35.368	ng	97
83) Chrysene	14.039	228	315806	44.680	ng	99
84) Bis(2-ethylhexyl)phtha...	13.986	149	215478	54.794	ng	# 98
85) Di-n-octyl phthalate	14.604	149	335961	63.463	ng	100
87) Indeno(1,2,3-cd)pyrene	16.980	276	407276	52.730	ng	99
88) Benzo(b)fluoranthene	15.062	252	356519	39.993	ng	99
89) Benzo(k)fluoranthene	15.092	252	331871	38.530	ng	98
90) Benzo(a)pyrene	15.427	252	314187	45.524	ng	98
91) Dibenzo(a,h)anthracene	16.992	278	341930	54.045	ng	100
92) Benzo(g,h,i)perylene	17.427	276	336449	45.293	ng	97

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

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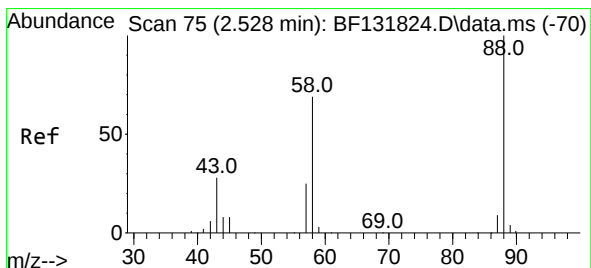
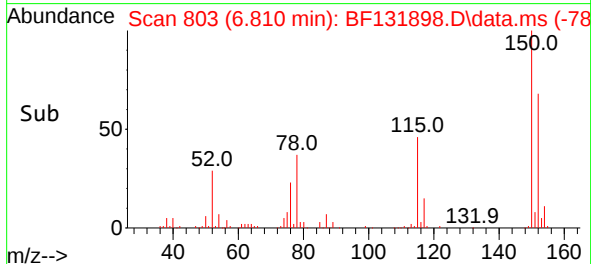
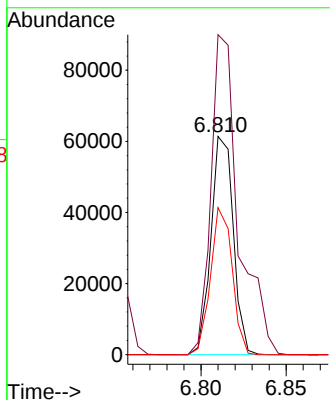
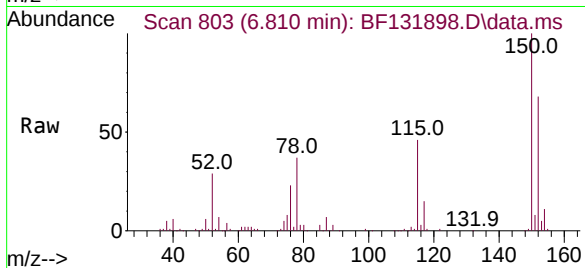




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.810 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF131898.D
 Acq: 04 Jan 2023 14:35

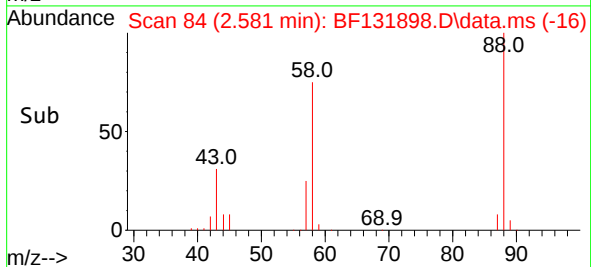
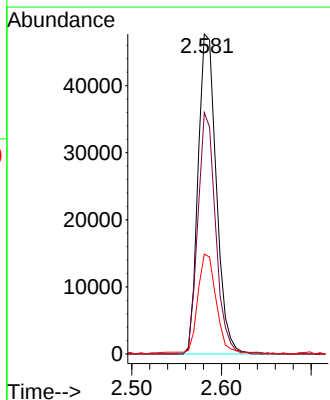
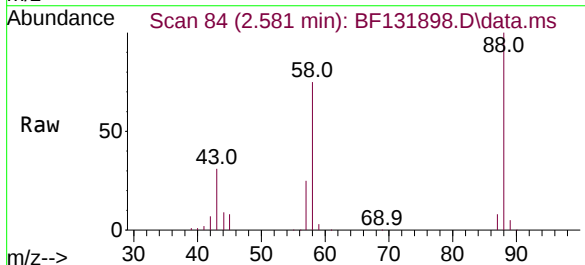
Instrument :
 BNA_F
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 MM-4MSD

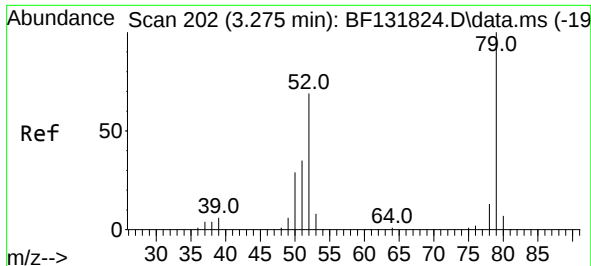
Tgt Ion:152 Resp: 55970
 Ion Ratio Lower Upper
 152 100
 150 146.6 120.0 180.0
 115 67.4 55.1 82.7



#2
 1,4-Dioxane
 Concen: 43.026 ng
 RT: 2.581 min Scan# 84
 Delta R.T. 0.053 min
 Lab File: BF131898.D
 Acq: 04 Jan 2023 14:35

Tgt Ion: 88 Resp: 67385
 Ion Ratio Lower Upper
 88 100
 58 73.0 58.2 87.2
 43 30.6 24.2 36.4





#3

Pyridine

Concen: 41.112 ng

RT: 3.316 min Scan# 20

Delta R.T. 0.053 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

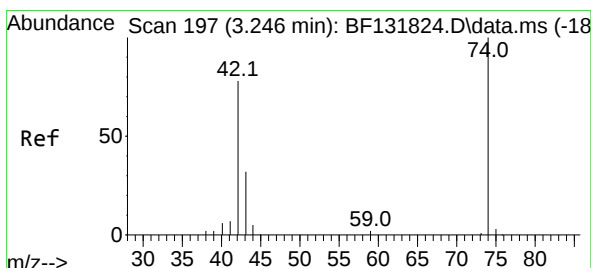
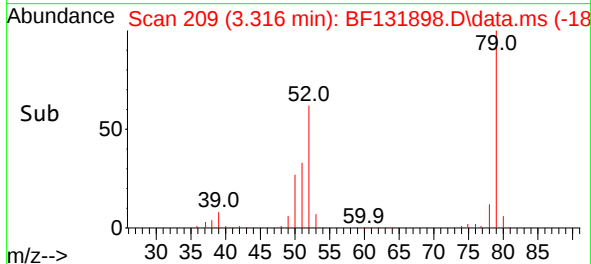
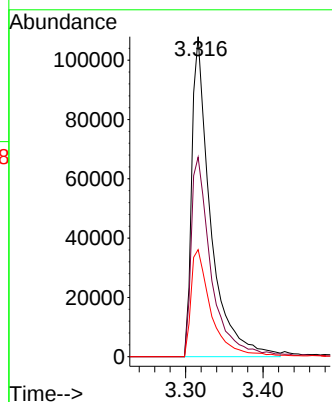
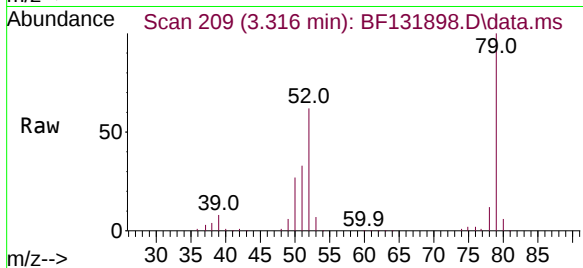
Tgt Ion: 79 Resp: 181013

Ion Ratio Lower Upper

79 100

52 62.4 55.4 83.2

51 33.5 27.8 41.8



#4

n-Nitrosodimethylamine

Concen: 44.921 ng

RT: 3.281 min Scan# 203

Delta R.T. 0.041 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

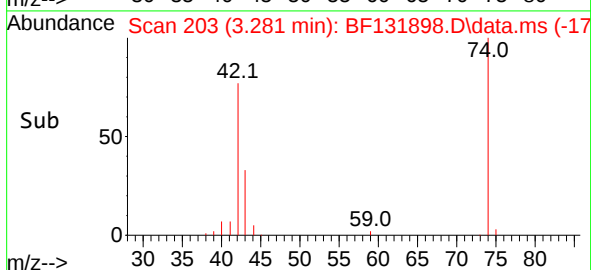
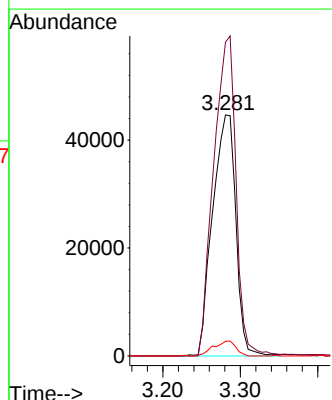
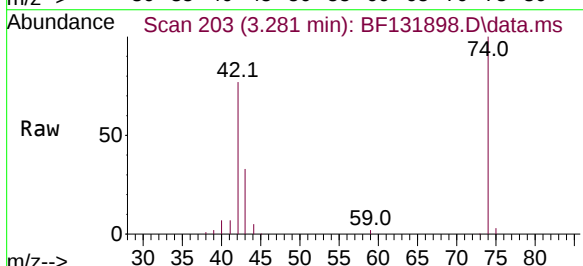
Tgt Ion: 42 Resp: 92998

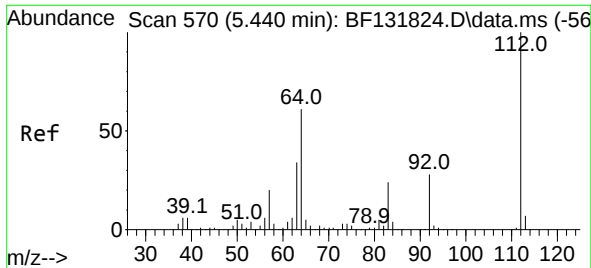
Ion Ratio Lower Upper

42 100

74 130.3 102.0 153.0

44 6.0 4.6 7.0

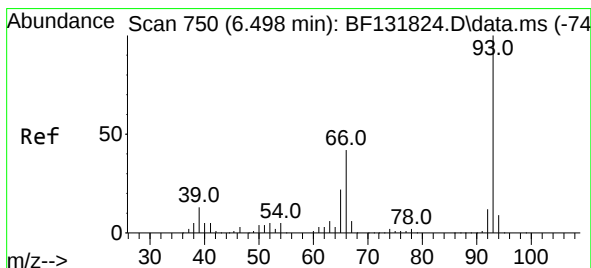
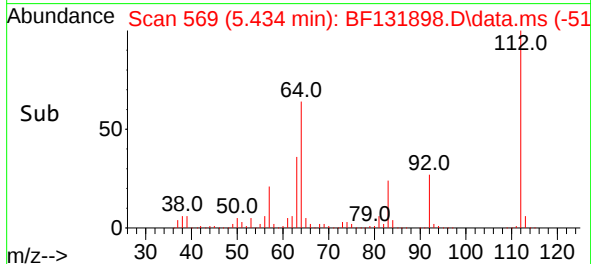
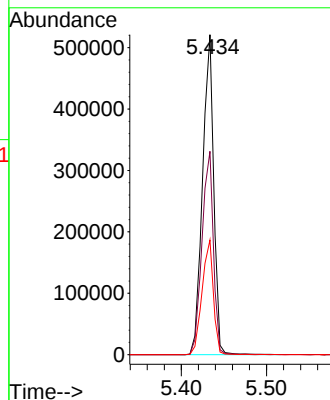
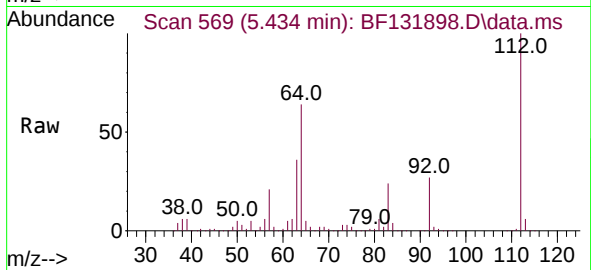




#5
2-Fluorophenol
Concen: 140.485 ng
RT: 5.434 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

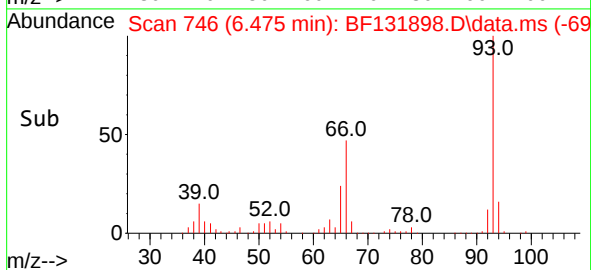
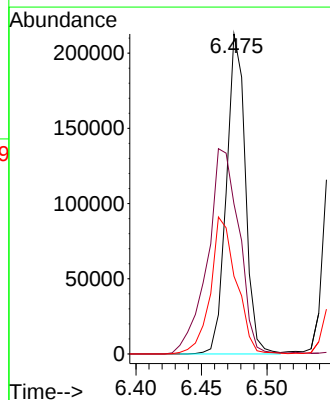
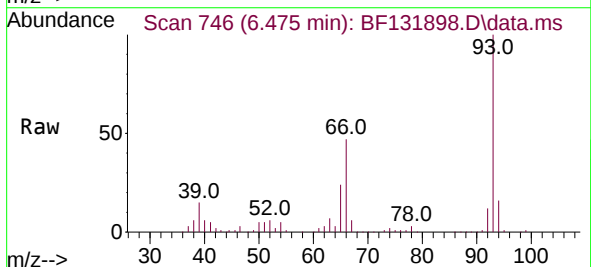
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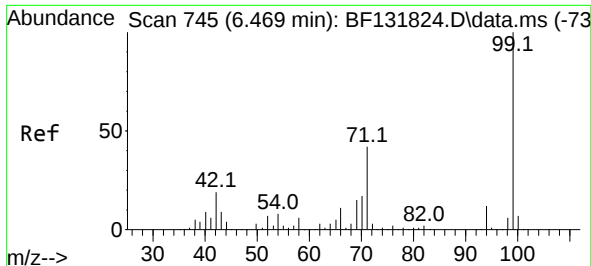
Tgt Ion:112 Resp: 474466
Ion Ratio Lower Upper
112 100
64 63.6 49.2 73.8
63 35.9 27.5 41.3



#6
Aniline
Concen: 39.628 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion: 93 Resp: 213252
Ion Ratio Lower Upper
93 100
66 46.9 33.9 50.9
65 24.3 17.4 26.0

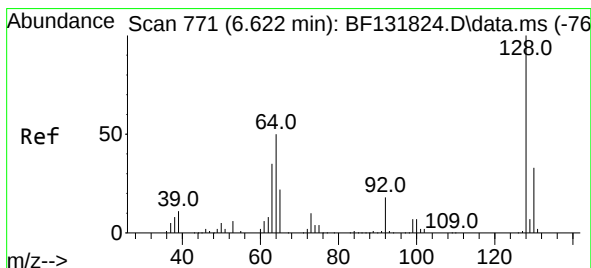
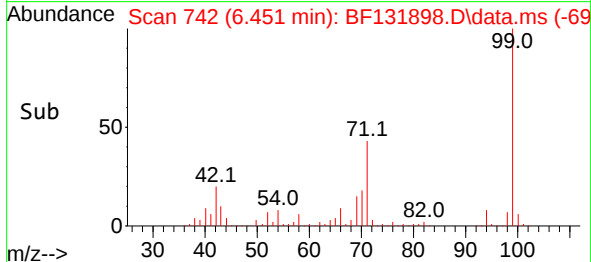
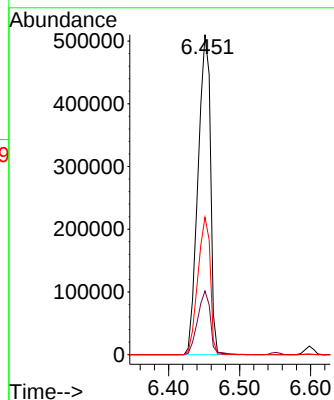
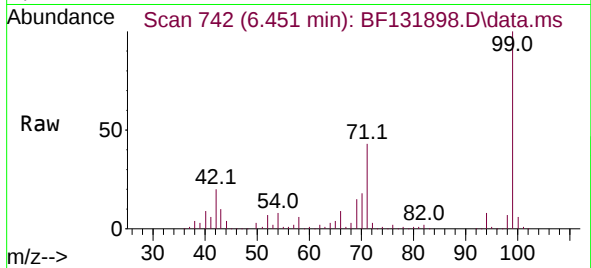




#7
Phenol-d6
Concen: 140.337 ng
RT: 6.451 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

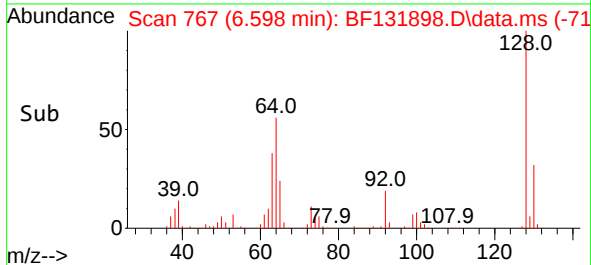
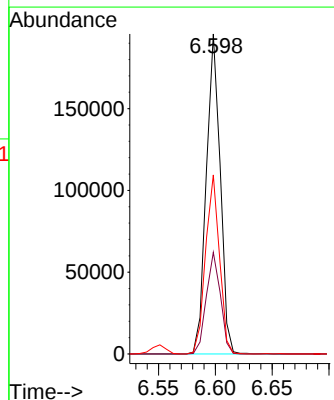
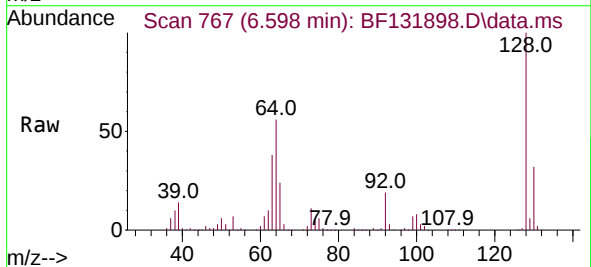
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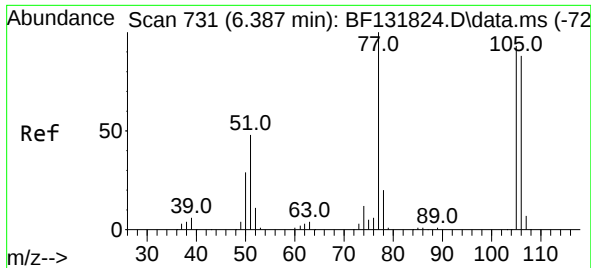
Tgt Ion: 99 Resp: 622703
Ion Ratio Lower Upper
99 100
42 19.9 15.3 22.9
71 42.9 33.5 50.3



#8
2-Chlorophenol
Concen: 46.743 ng
RT: 6.598 min Scan# 767
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion: 128 Resp: 166322
Ion Ratio Lower Upper
128 100
130 31.8 12.6 52.6
64 55.9 30.7 70.7





#9

Benzaldehyde

Concen: 40.484 ng

RT: 6.363 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

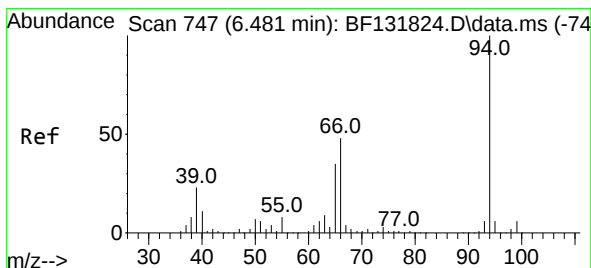
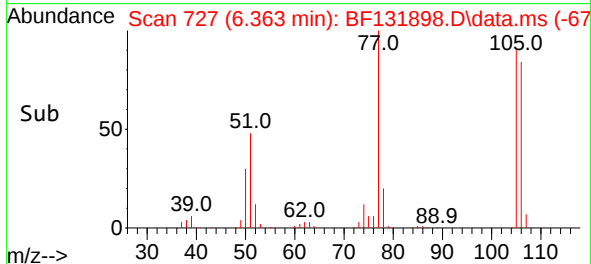
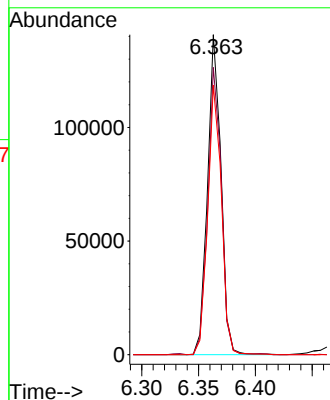
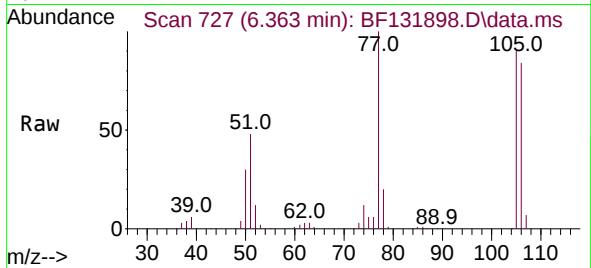
Tgt Ion: 77 Resp: 115262

Ion Ratio Lower Upper

77 100

105 89.7 72.9 112.9

106 84.2 68.5 108.5



#10

Phenol

Concen: 45.301 ng

RT: 6.463 min Scan# 744

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

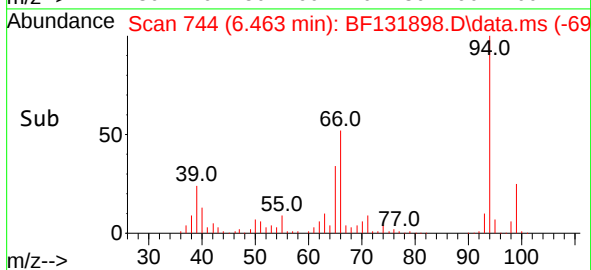
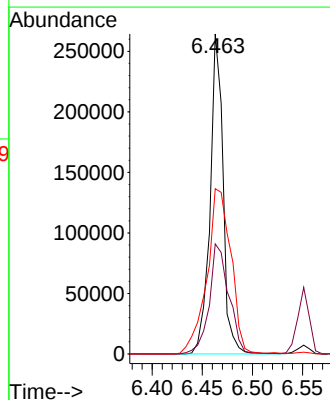
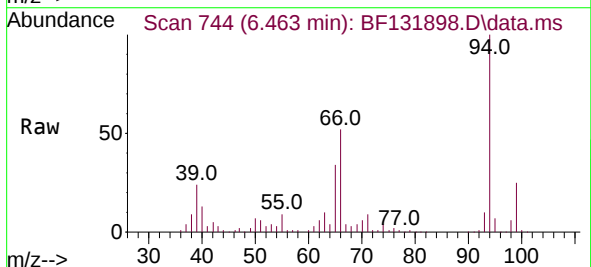
Tgt Ion: 94 Resp: 239375

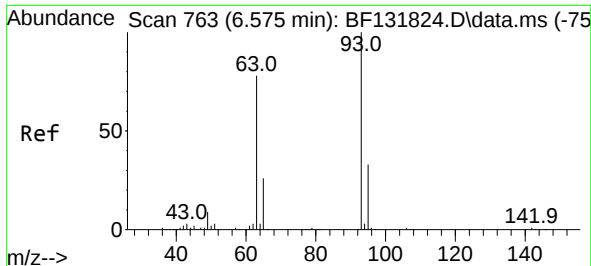
Ion Ratio Lower Upper

94 100

65 34.4 14.6 54.6

66 51.6 28.2 68.2

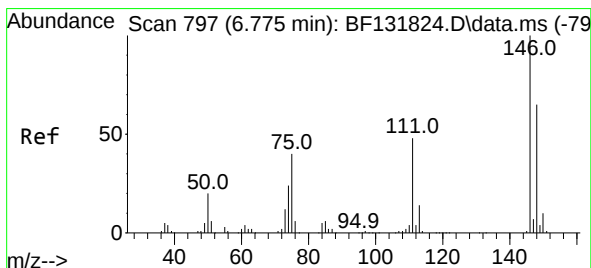
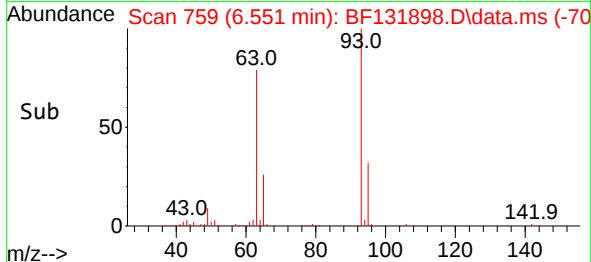
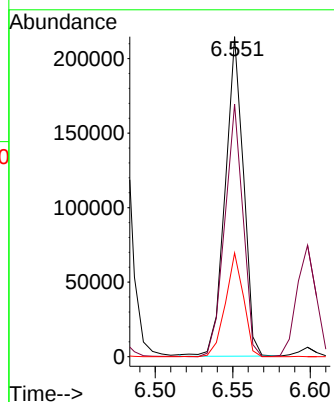
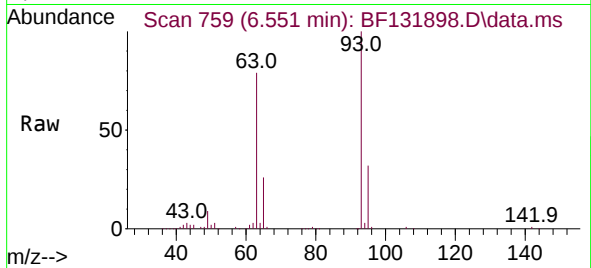




#11
bis(2-Chloroethyl)ether
Concen: 46.464 ng
RT: 6.551 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

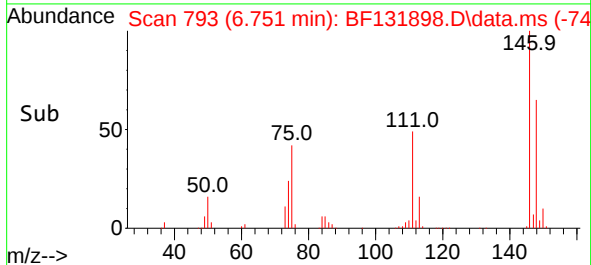
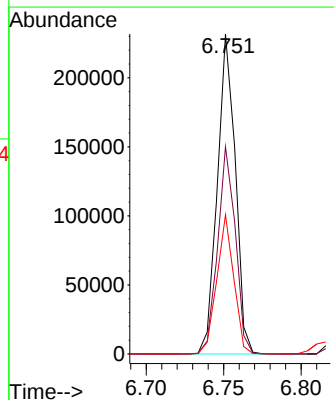
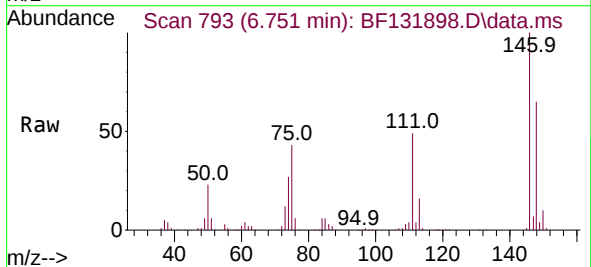
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

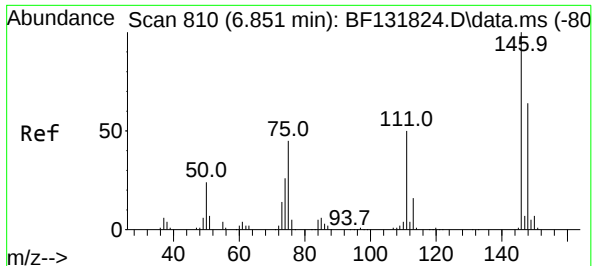
Tgt Ion: 93 Resp: 175571
Ion Ratio Lower Upper
93 100
63 78.9 57.6 97.6
95 32.4 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 45.913 ng
RT: 6.751 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:146 Resp: 186693
Ion Ratio Lower Upper
146 100
148 64.8 51.8 77.6
75 43.5 32.2 48.4





#13

1,4-Dichlorobenzene

Concen: 46.339 ng

RT: 6.828 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF131898.D

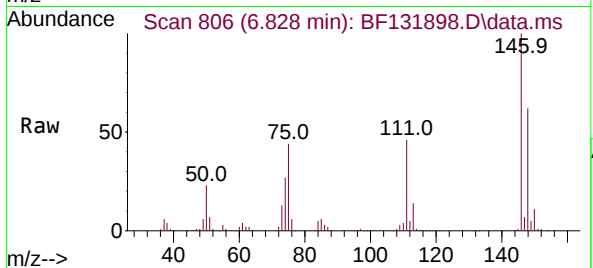
Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD



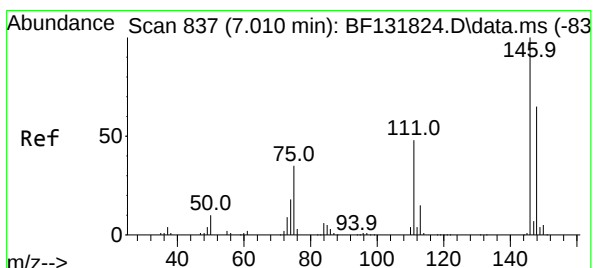
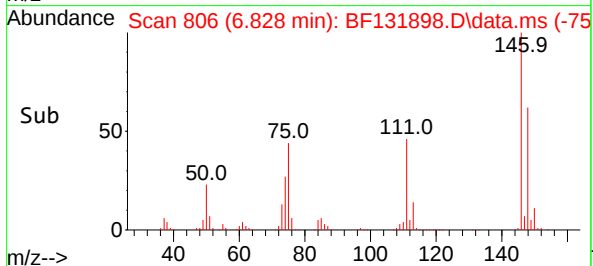
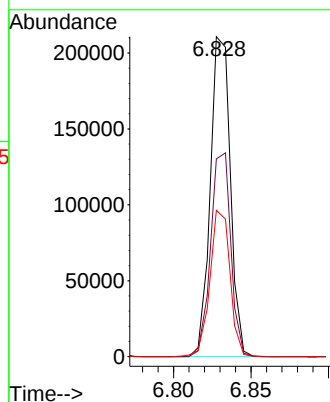
Tgt Ion:146 Resp: 189895

Ion Ratio Lower Upper

146 100

148 61.8 51.3 76.9

111 45.7 40.1 60.1



#14

1,2-Dichlorobenzene

Concen: 47.276 ng

RT: 6.981 min Scan# 832

Delta R.T. -0.012 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

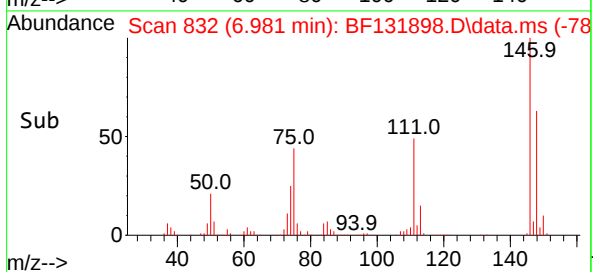
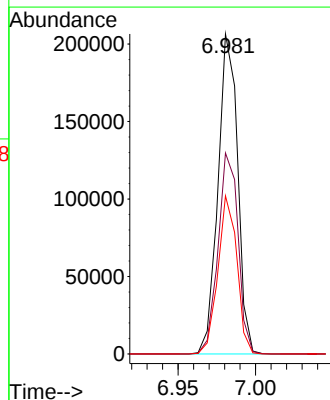
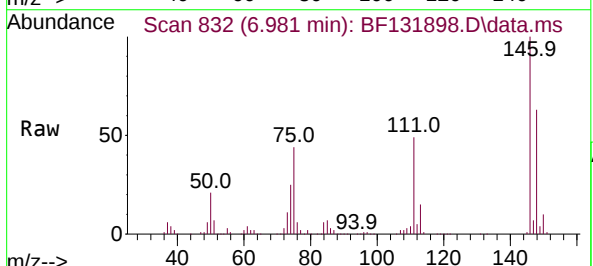
Tgt Ion:146 Resp: 182041

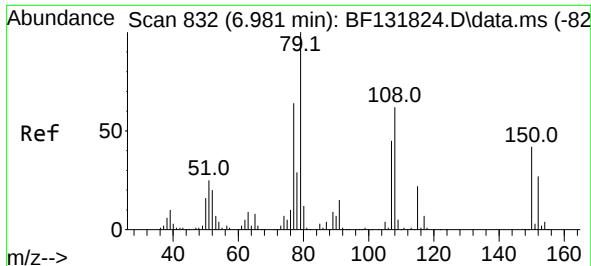
Ion Ratio Lower Upper

146 100

148 62.8 52.2 78.4

111 49.4 38.2 57.4

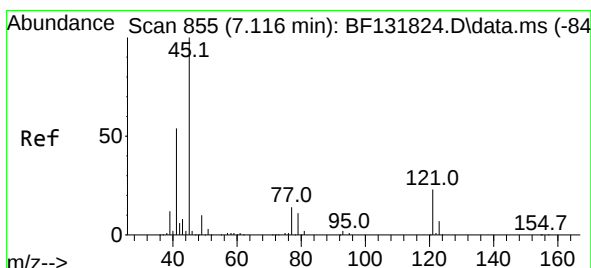
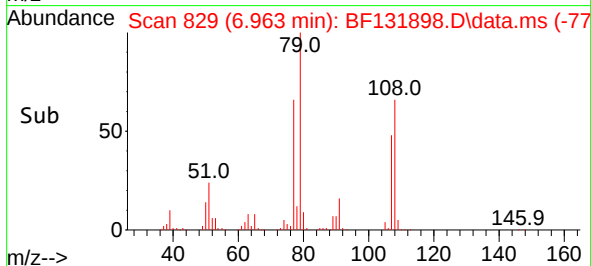
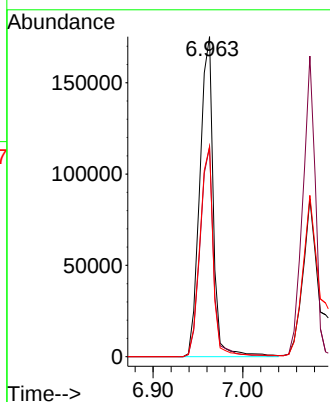
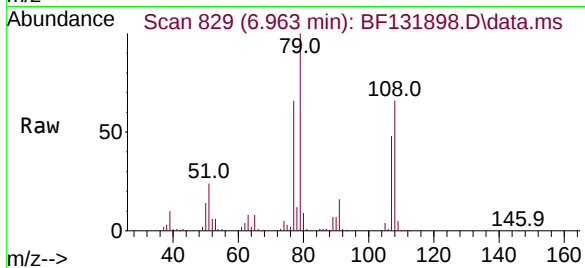




#15
Benzyl Alcohol
Concen: 47.060 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

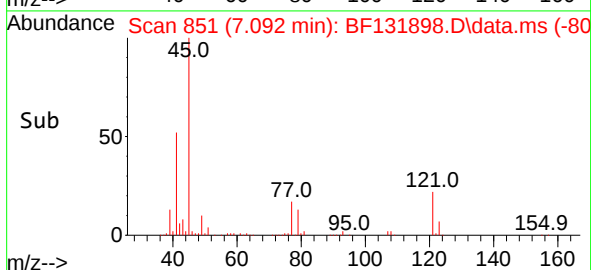
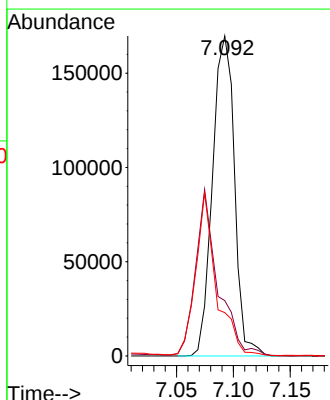
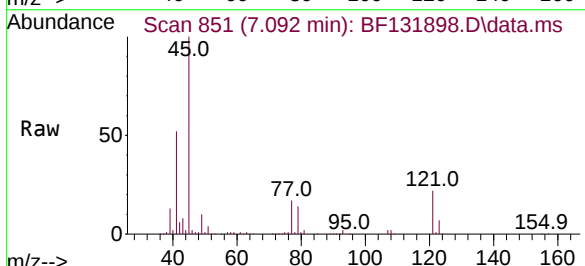
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

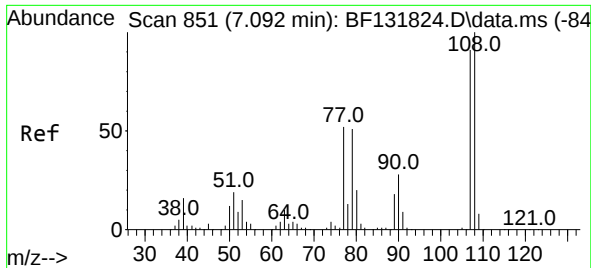
Tgt Ion: 79 Resp: 183114
Ion Ratio Lower Upper
79 100
108 65.5 49.8 74.8
77 65.7 51.4 77.0



#16
2,2'-oxybis(1-chloropropane)
Concen: 47.235 ng
RT: 7.092 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion: 45 Resp: 227772
Ion Ratio Lower Upper
45 100
77 17.3 0.0 36.1
79 13.5 0.0 33.3

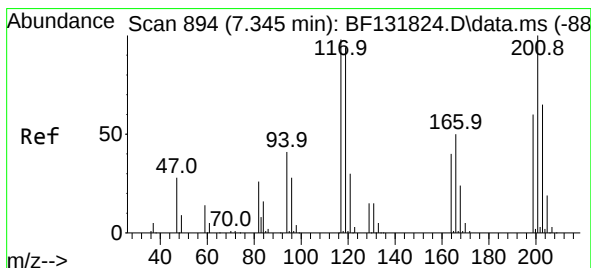
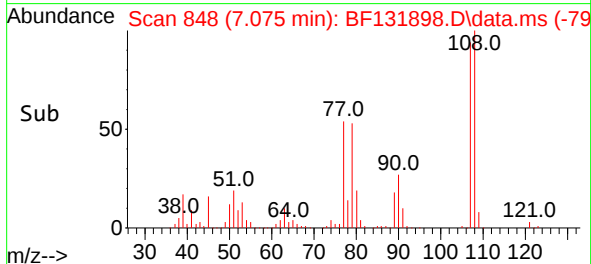
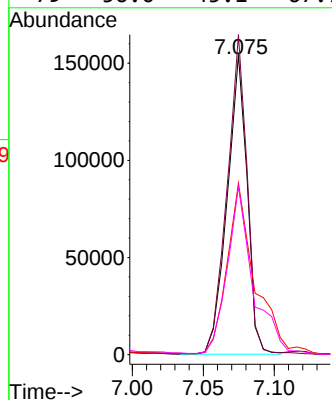
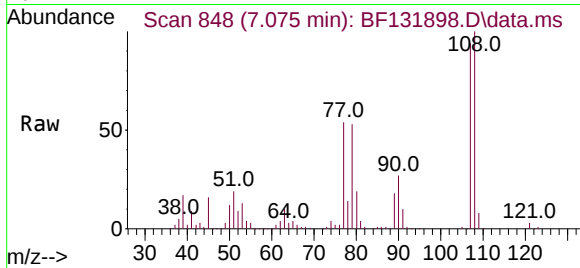




#17
2-Methylphenol
Concen: 46.065 ng
RT: 7.075 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

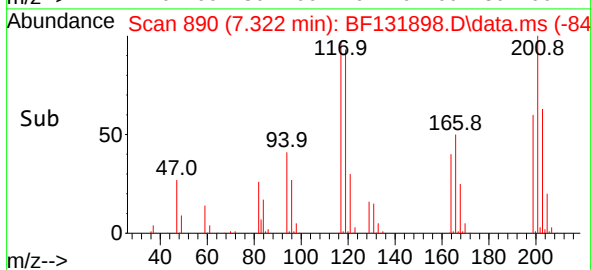
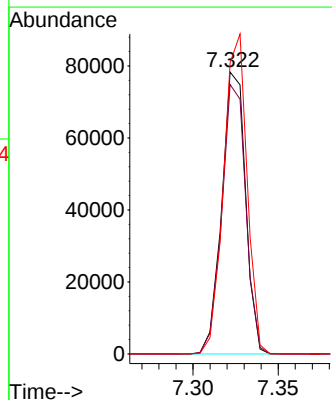
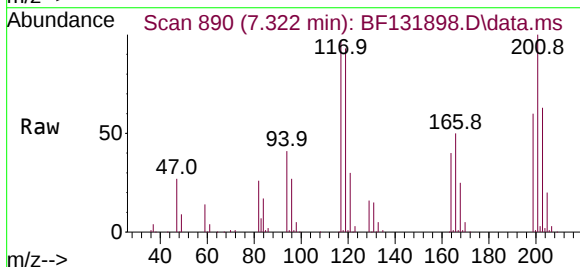
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

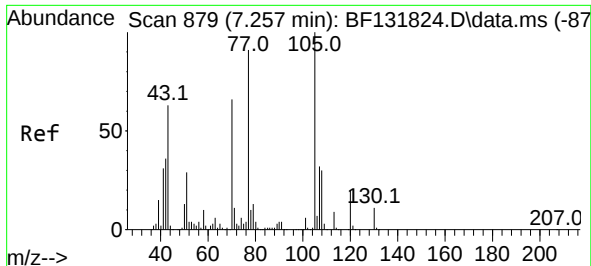
Tgt Ion:	107	Resp:	149848
Ion	Ratio	Lower	Upper
107	100		
108	106.7	87.6	131.4
77	57.2	45.8	68.8
79	56.0	45.1	67.7



#18
Hexachloroethane
Concen: 45.966 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:	117	Resp:	76062
Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
201	103.3	81.7	122.5





#19

n-Nitroso-di-n-propylamine

Concen: 46.000 ng

RT: 7.233 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

Tgt Ion: 70 Resp: 144153

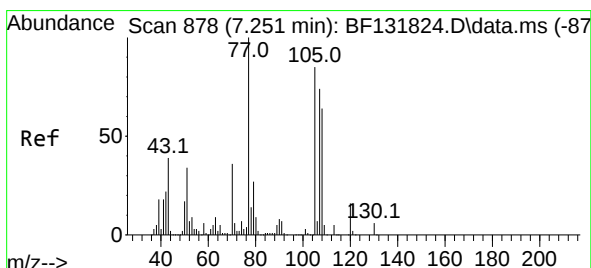
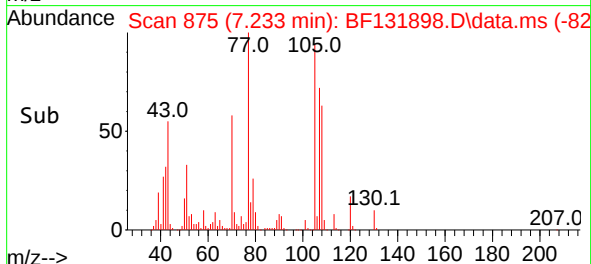
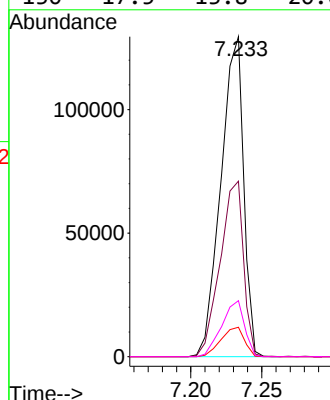
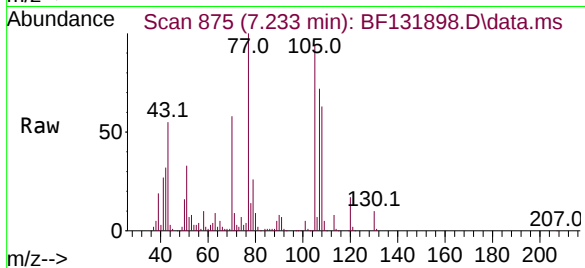
Ion Ratio Lower Upper

70 100

42 54.8 43.8 65.6

101 9.2 7.4 11.0

130 17.5 13.8 20.6



#20

3+4-Methylphenols

Concen: 45.330 ng

RT: 7.228 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Tgt Ion: 107 Resp: 192396

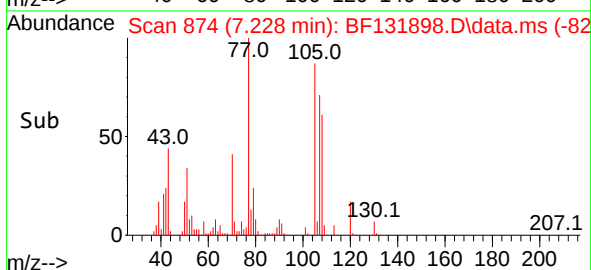
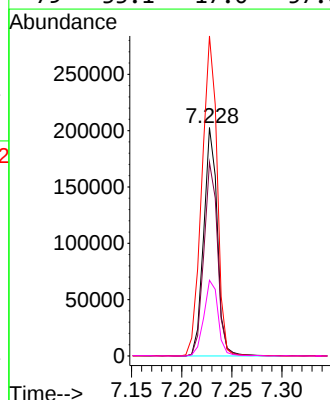
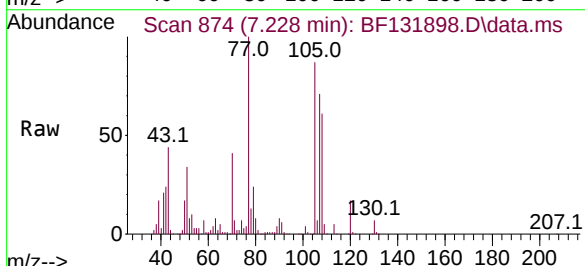
Ion Ratio Lower Upper

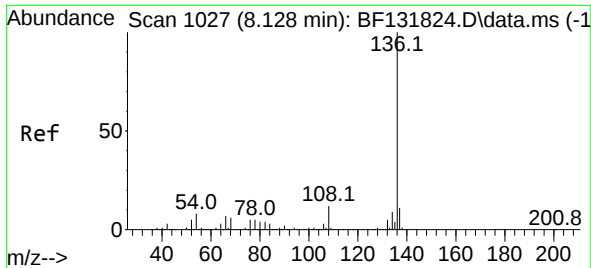
107 100

108 84.8 67.1 107.1

77 140.1 114.9 154.9

79 33.1 17.0 57.0

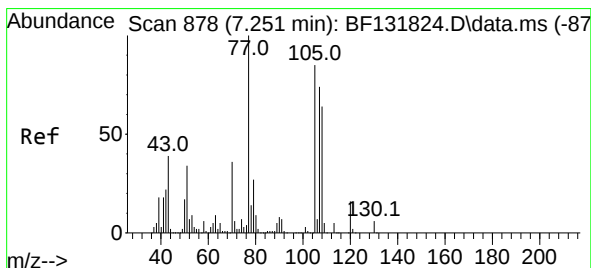
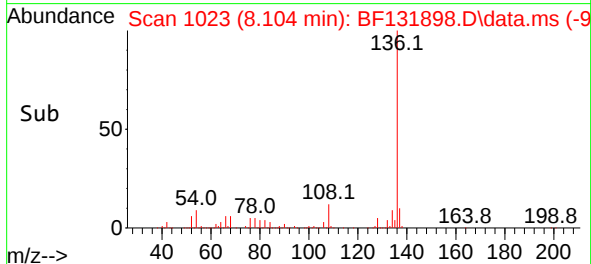
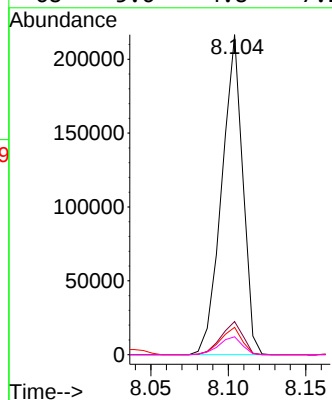
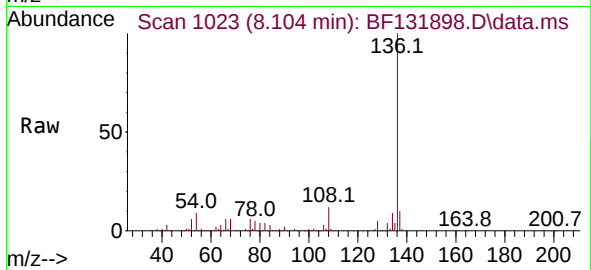




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

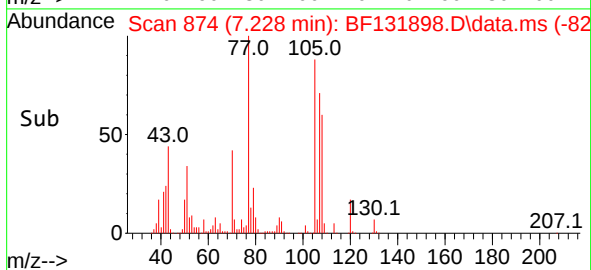
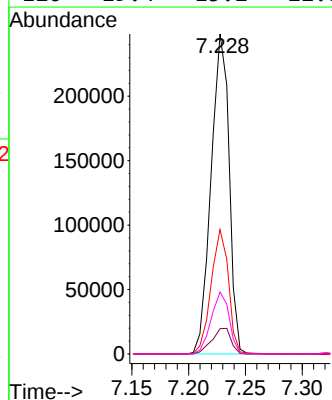
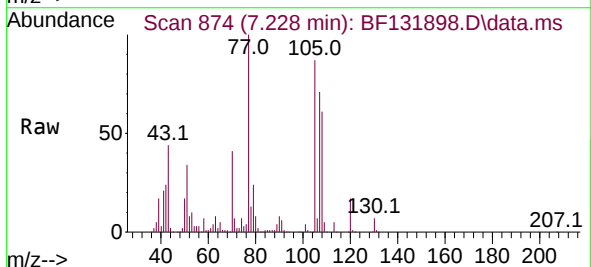
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

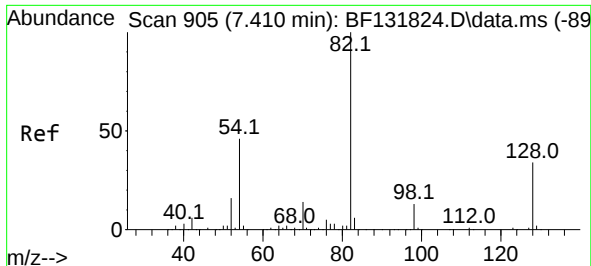
Tgt Ion:136 Resp: 204017
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 8.5 6.7 10.1
68 5.6 4.8 7.2



#22
Acetophenone
Concen: 45.808 ng
RT: 7.228 min Scan# 874
Delta R.T. -0.012 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:105 Resp: 273985
Ion Ratio Lower Upper
105 100
71 7.9 5.4 8.0
51 38.8 31.9 47.9
120 19.4 15.2 22.8





#23

Nitrobenzene-d5

Concen: 86.226 ng

RT: 7.386 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

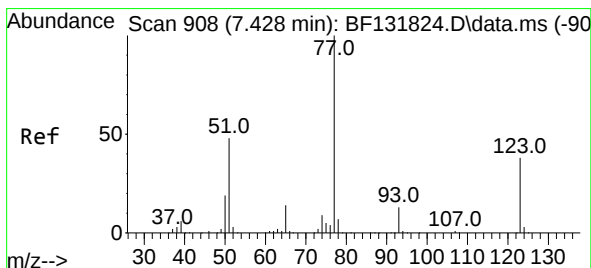
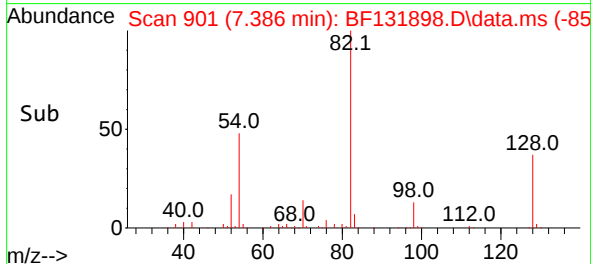
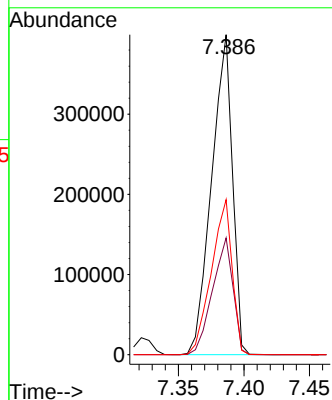
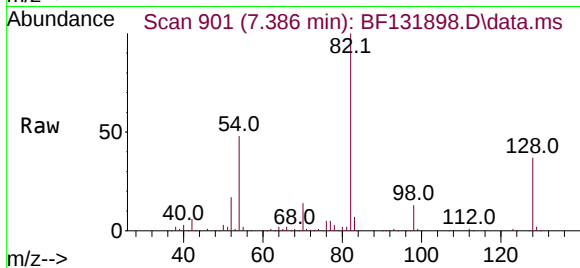
Tgt Ion: 82 Resp: 440609

Ion Ratio Lower Upper

82 100

128 36.5 27.1 40.7

54 48.4 37.0 55.6



#24

Nitrobenzene

Concen: 43.509 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

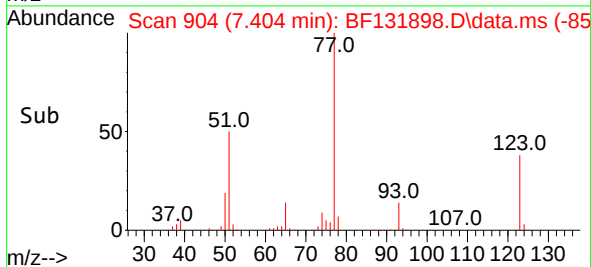
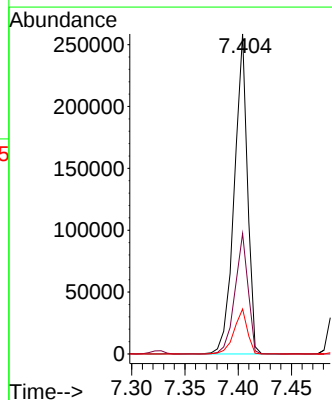
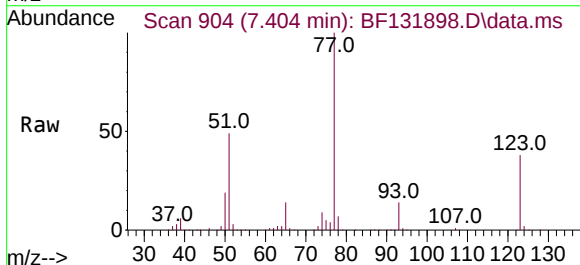
Tgt Ion: 77 Resp: 222810

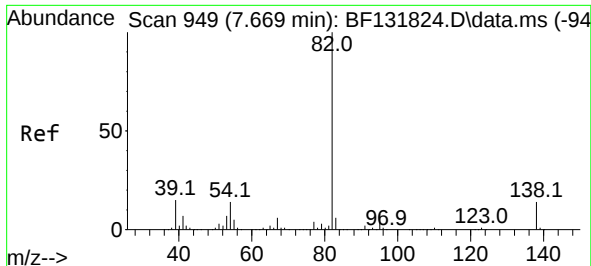
Ion Ratio Lower Upper

77 100

123 37.7 30.4 45.6

65 14.0 11.1 16.7

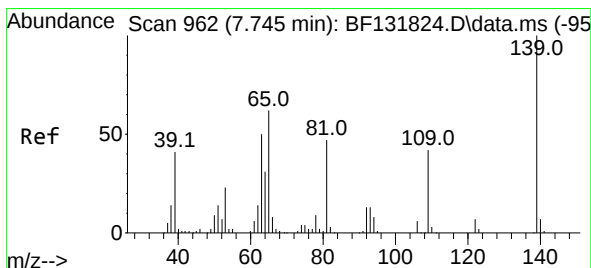
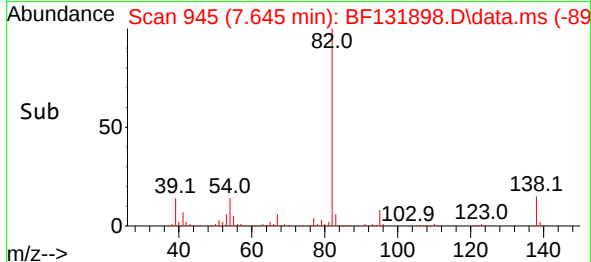
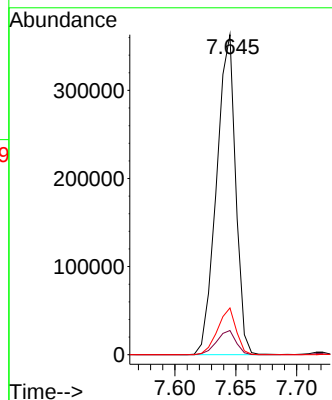
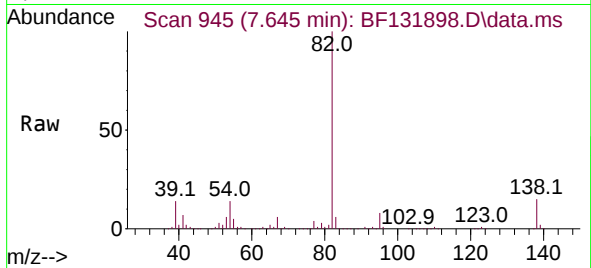




#25
Isophorone
Concen: 47.607 ng
RT: 7.645 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

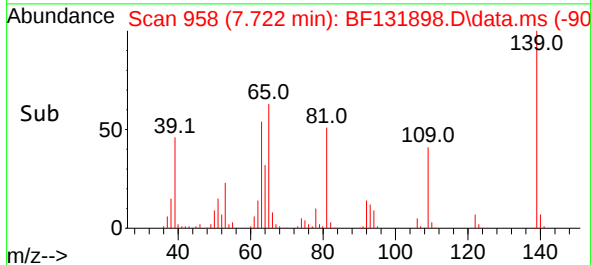
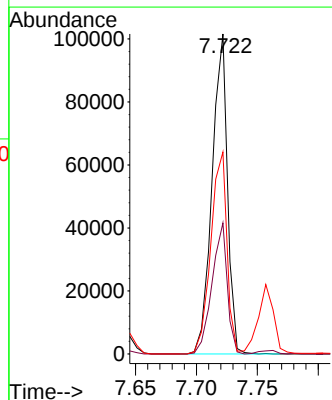
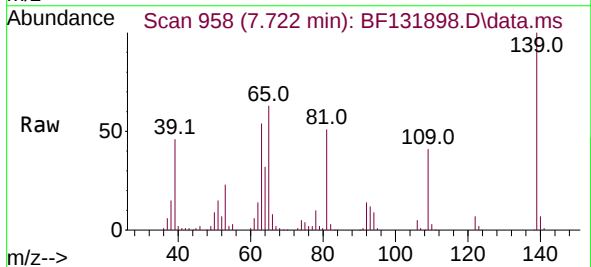
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

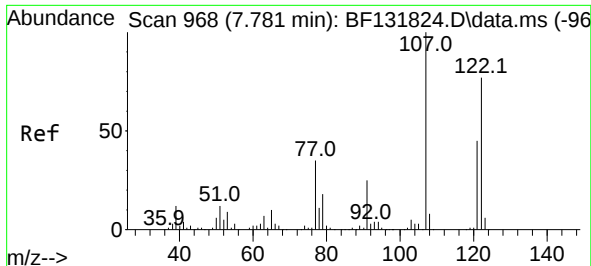
Tgt Ion: 82 Resp: 397273
Ion Ratio Lower Upper
82 100
95 7.5 6.2 9.4
138 14.6 11.5 17.3



#26
2-Nitrophenol
Concen: 44.953 ng
RT: 7.722 min Scan# 958
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:139 Resp: 89506
Ion Ratio Lower Upper
139 100
109 41.0 33.7 50.5
65 63.1 49.4 74.2

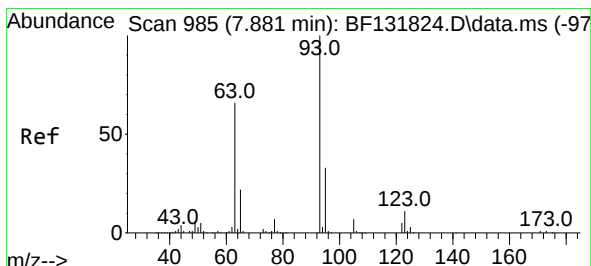
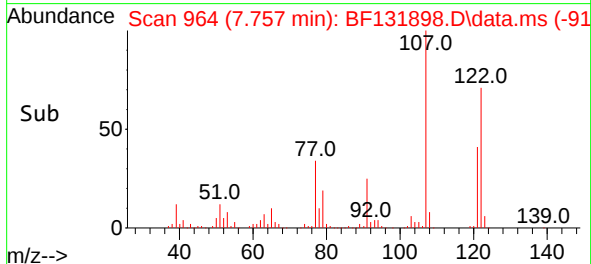
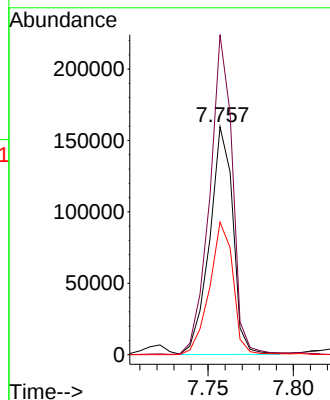
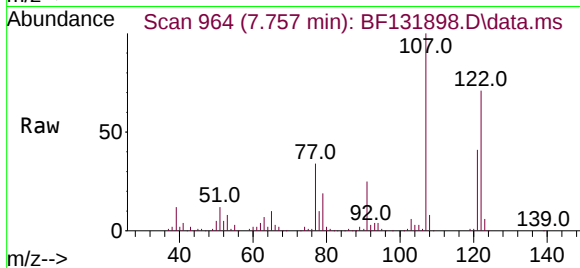




#27
2,4-Dimethylphenol
Concen: 53.428 ng
RT: 7.757 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

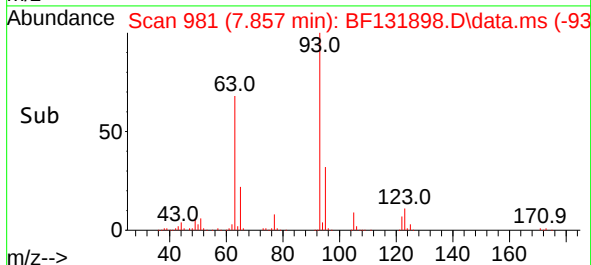
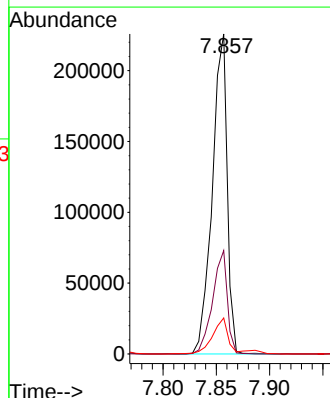
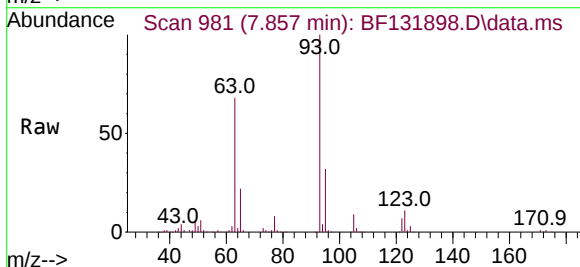
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

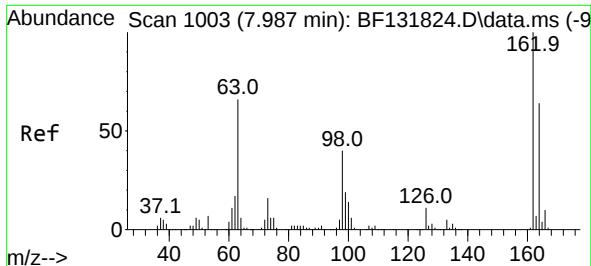
Tgt Ion:122 Resp: 151743
Ion Ratio Lower Upper
122 100
107 140.4 104.4 156.6
121 58.2 46.8 70.2



#28
bis(2-Chloroethoxy)methane
Concen: 49.269 ng
RT: 7.857 min Scan# 981
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion: 93 Resp: 220573
Ion Ratio Lower Upper
93 100
95 32.3 26.3 39.5
123 11.2 8.7 13.1





#29

2,4-Dichlorophenol

Concen: 44.325 ng

RT: 7.963 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

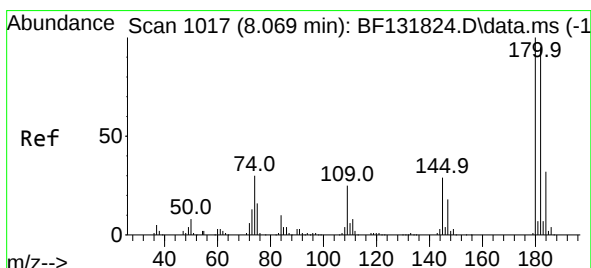
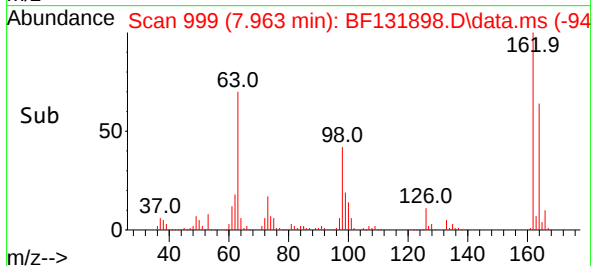
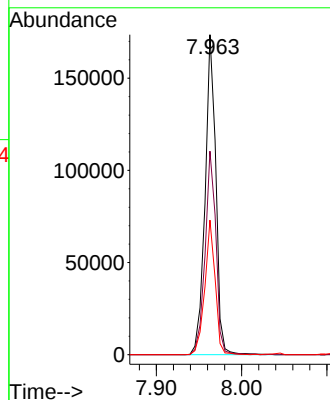
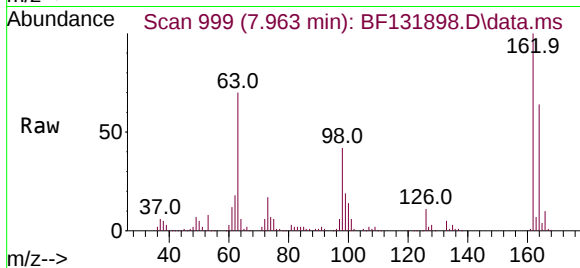
Tgt Ion:162 Resp: 151670

Ion Ratio Lower Upper

162 100

164 63.6 44.1 84.1

98 42.1 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 43.996 ng

RT: 8.045 min Scan# 1013

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

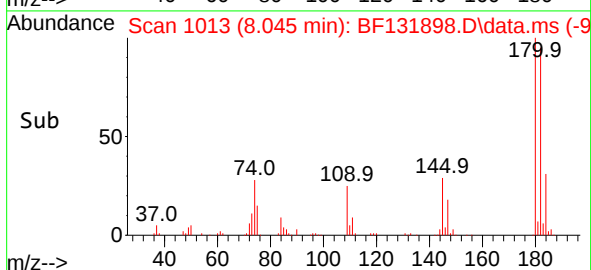
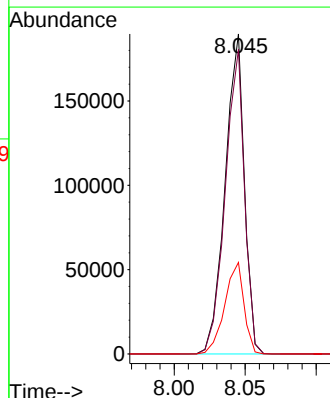
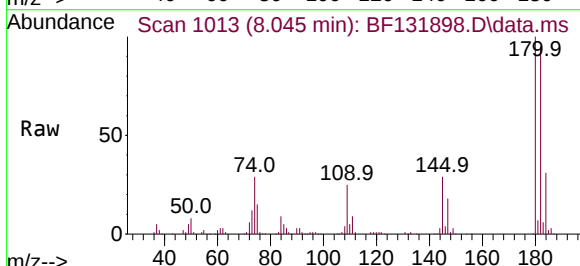
Tgt Ion:180 Resp: 178491

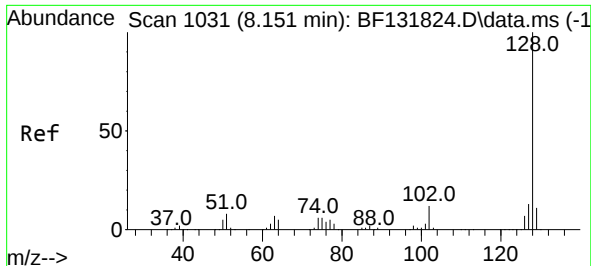
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.4

145 28.6 23.3 34.9

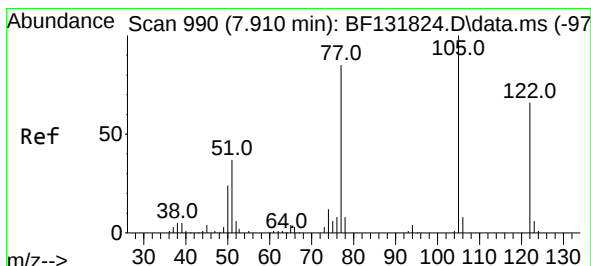
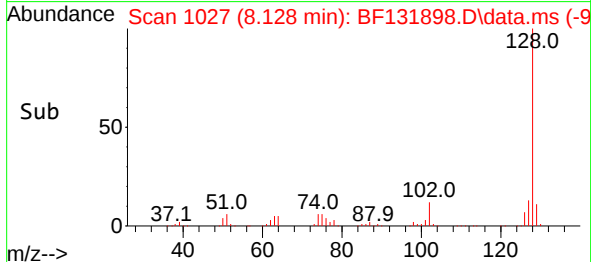
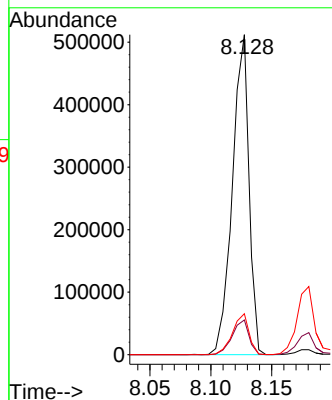
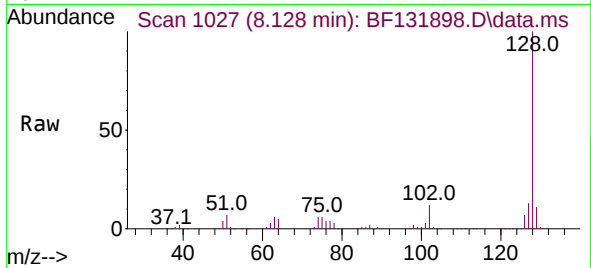




#31
Naphthalene
Concen: 43.523 ng
RT: 8.128 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

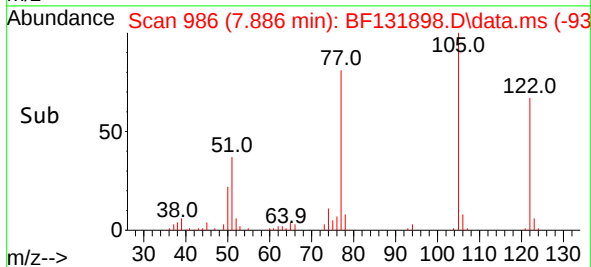
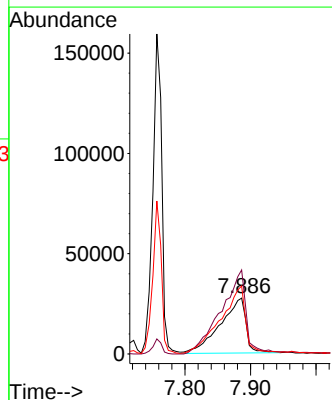
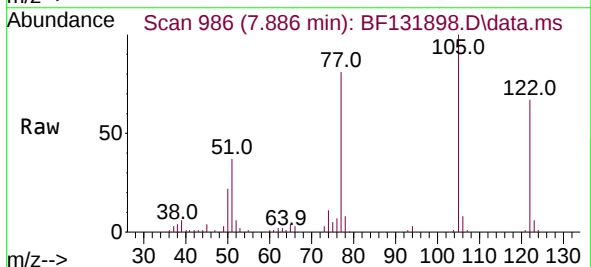
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

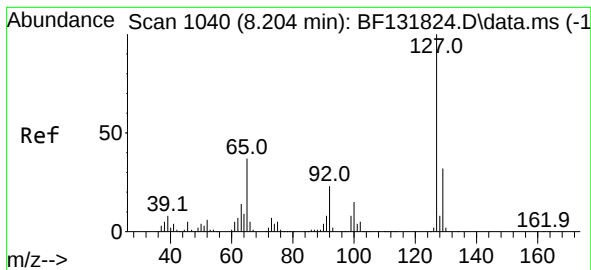
Tgt Ion:128 Resp: 486288
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.8 10.6 15.8



#32
Benzoic acid
Concen: 36.126 ng
RT: 7.886 min Scan# 986
Delta R.T. -0.012 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:122 Resp: 74993
Ion Ratio Lower Upper
122 100
105 150.3 127.9 167.9
77 121.7 106.9 146.9





#33

4-Chloroaniline

Concen: 26.776 ng

RT: 8.180 min Scan# 1036

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

Tgt Ion:127 Resp: 114789

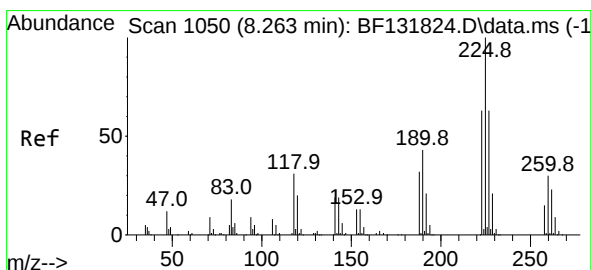
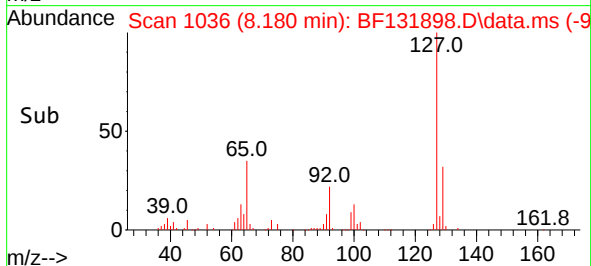
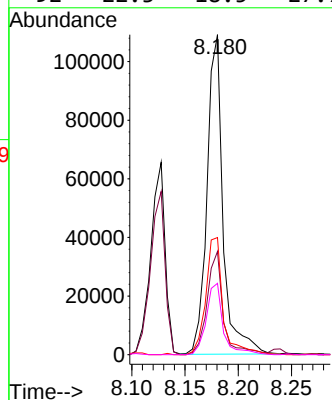
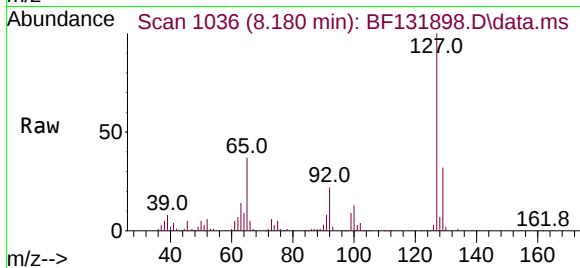
Ion Ratio Lower Upper

127 100

129 32.3 25.8 38.8

65 36.6 29.7 44.5

92 22.3 18.5 27.7



#34

Hexachlorobutadiene

Concen: 42.595 ng

RT: 8.239 min Scan# 1046

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

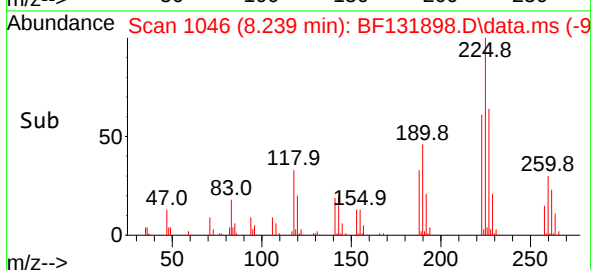
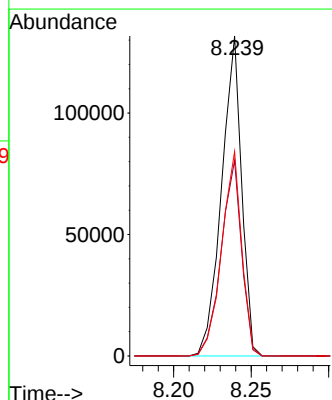
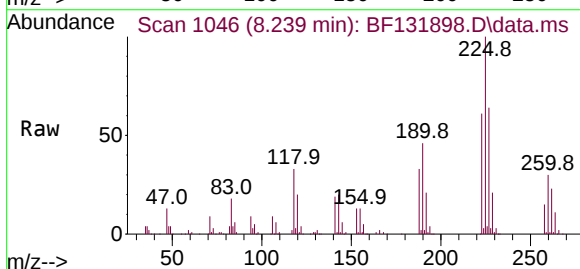
Tgt Ion:225 Resp: 118228

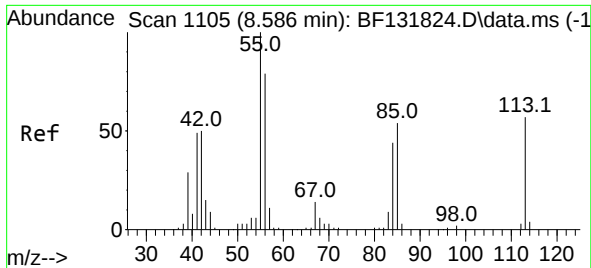
Ion Ratio Lower Upper

225 100

223 61.1 50.0 75.0

227 63.9 50.8 76.2

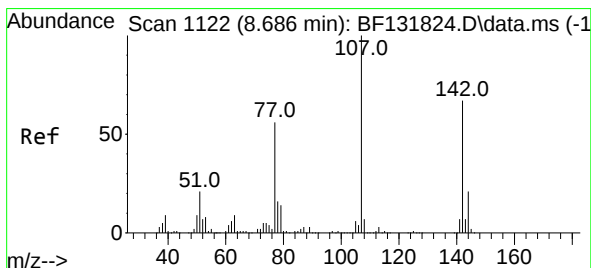
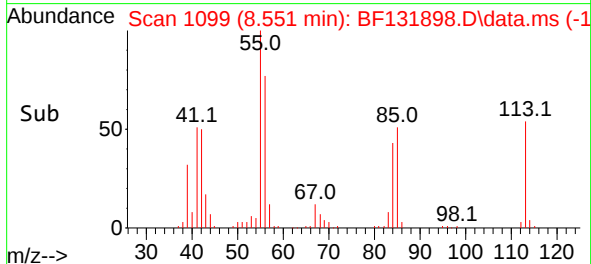
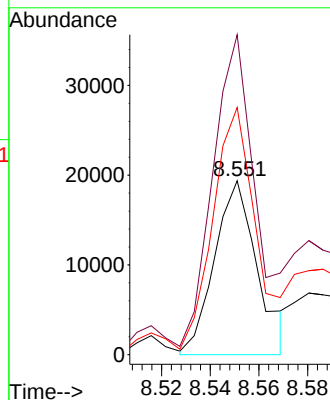
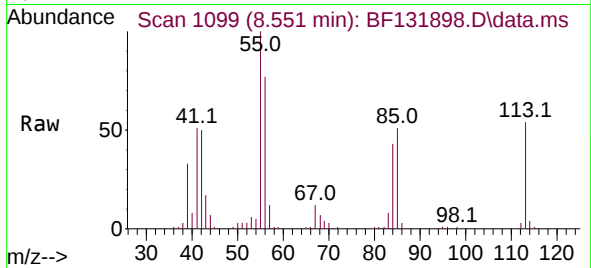




#35
 Caprolactam
 Concen: 23.326 ng
 RT: 8.551 min Scan# 1109
 Delta R.T. -0.018 min
 Lab File: BF131898.D
 Acq: 04 Jan 2023 14:35

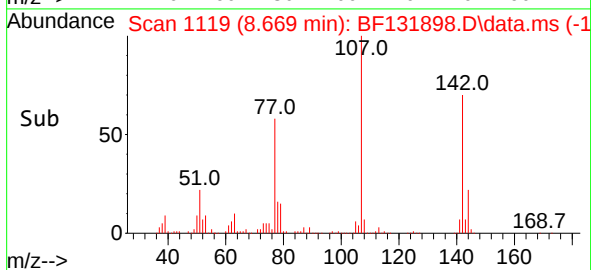
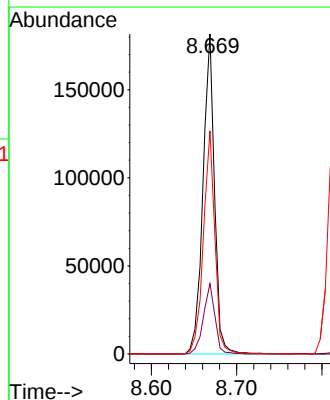
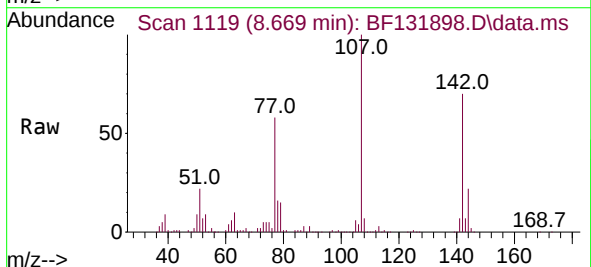
Instrument :
 BNA_F
 ClientSampleId :
 MM-4MSD

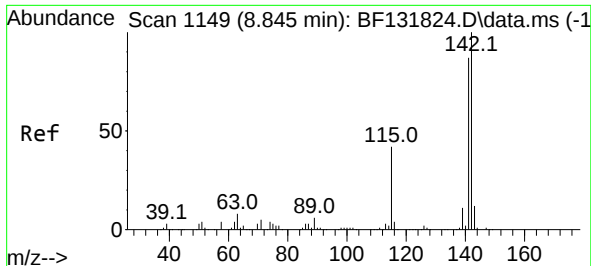
Tgt Ion:113 Resp: 23632
 Ion Ratio Lower Upper
 113 100
 55 183.9 153.3 193.3
 56 142.1 116.3 156.3



#36
 4-Chloro-3-methylphenol
 Concen: 44.277 ng
 RT: 8.669 min Scan# 1119
 Delta R.T. -0.000 min
 Lab File: BF131898.D
 Acq: 04 Jan 2023 14:35

Tgt Ion:107 Resp: 171232
 Ion Ratio Lower Upper
 107 100
 144 22.0 16.8 25.2
 142 69.7 53.8 80.8

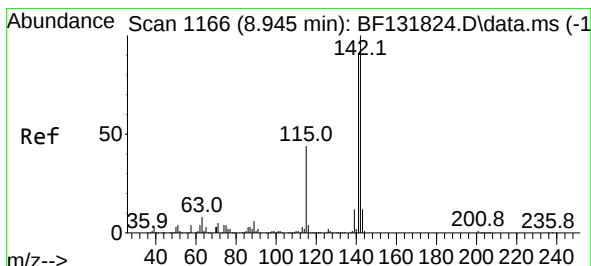
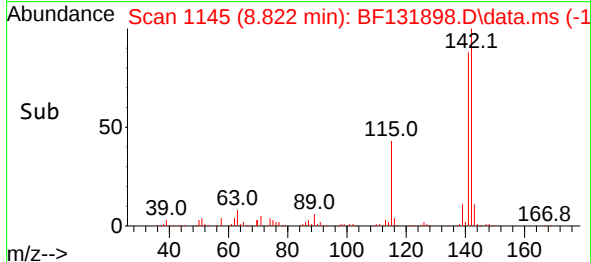
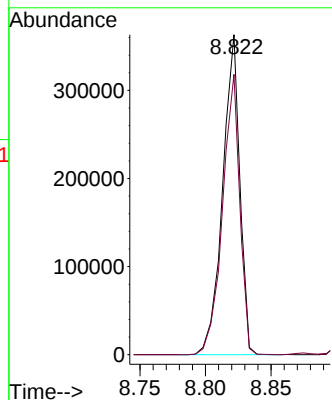
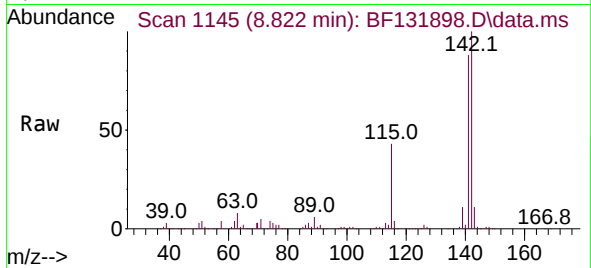




#37
2-Methylnaphthalene
Concen: 44.006 ng
RT: 8.822 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

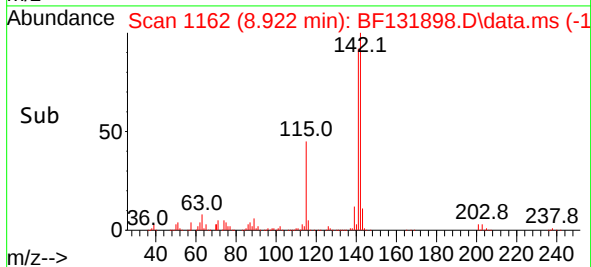
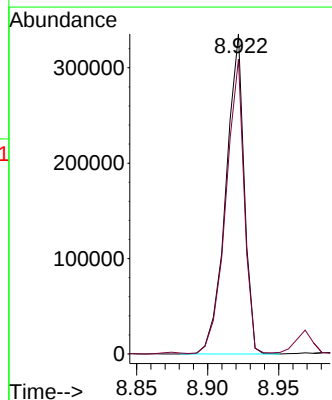
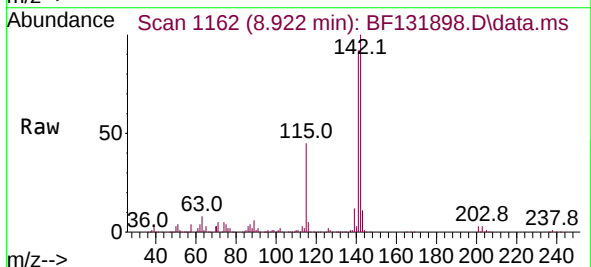
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

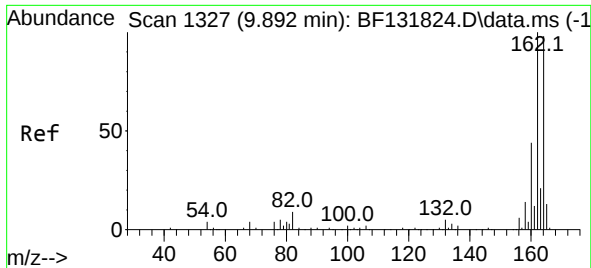
Tgt Ion:142 Resp: 329992
Ion Ratio Lower Upper
142 100
141 87.6 69.8 104.8



#38
1-Methylnaphthalene
Concen: 41.340 ng
RT: 8.922 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:142 Resp: 301111
Ion Ratio Lower Upper
142 100
141 92.2 73.0 109.6

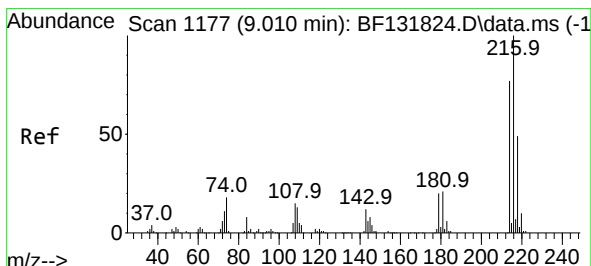
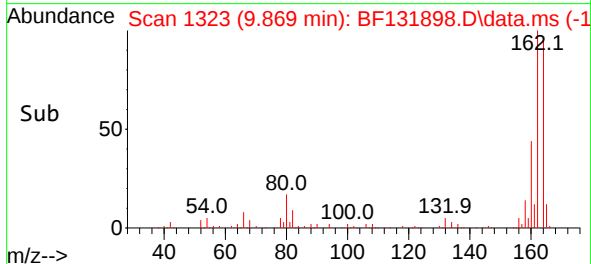
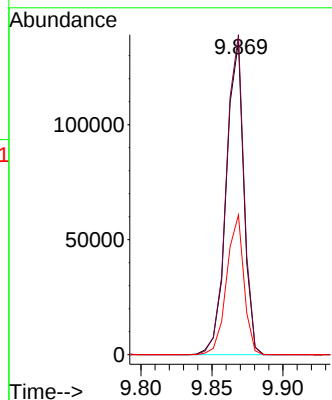
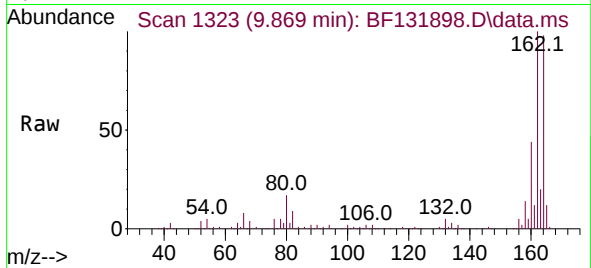




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 116971
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

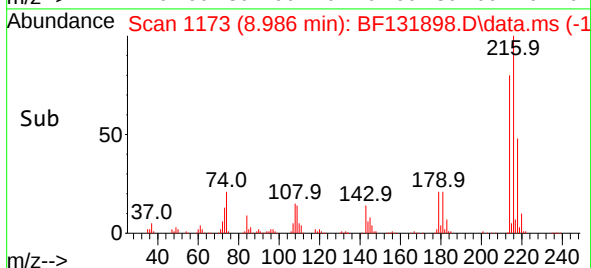
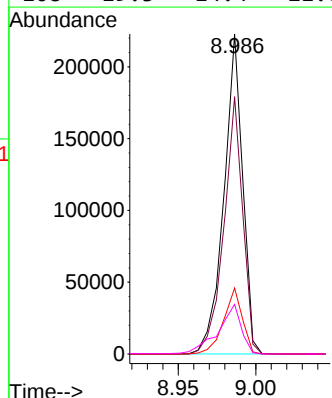
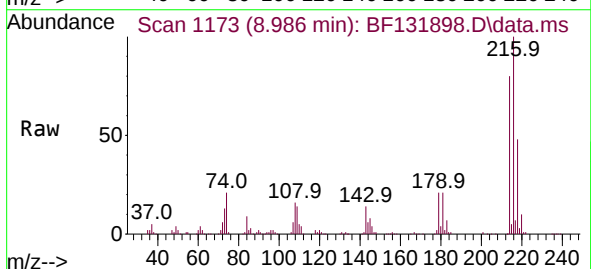
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

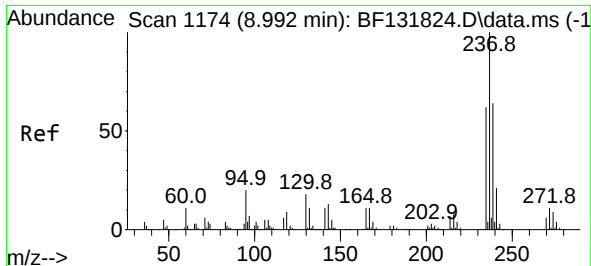
Tgt Ion:164 Resp: 116971
Ion Ratio Lower Upper
164 100
162 102.3 81.8 122.6
160 44.6 35.7 53.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.657 ng
RT: 8.986 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:216 Resp: 187518
Ion Ratio Lower Upper
216 100
214 80.5 63.0 94.4
179 20.6 16.4 24.6
108 19.3 14.4 21.6

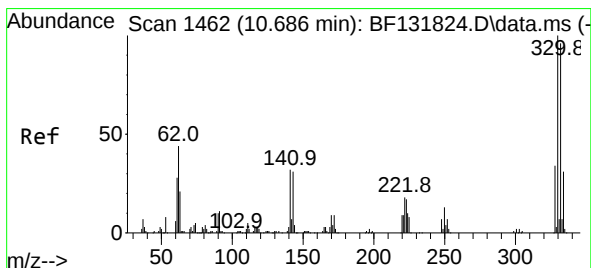
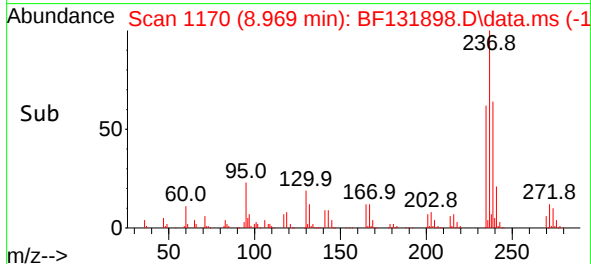
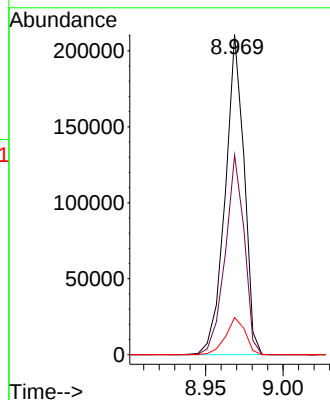
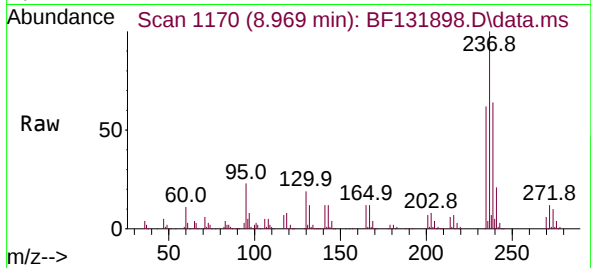




#41
Hexachlorocyclopentadiene
Concen: 95.950 ng
RT: 8.969 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

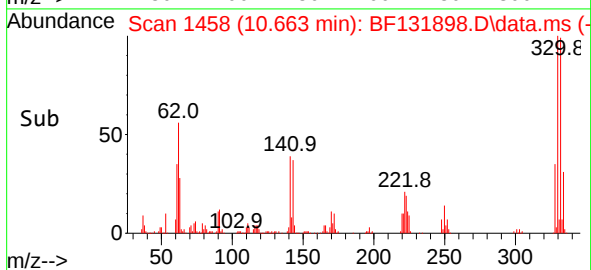
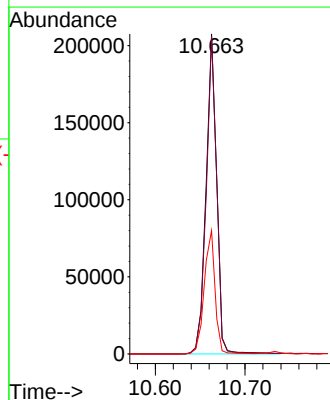
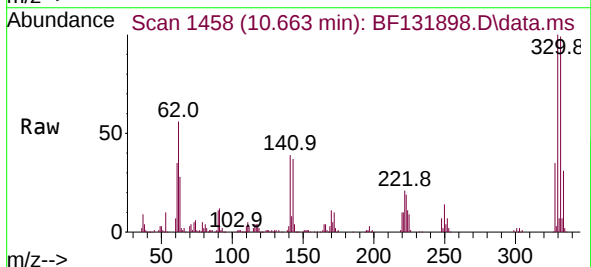
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

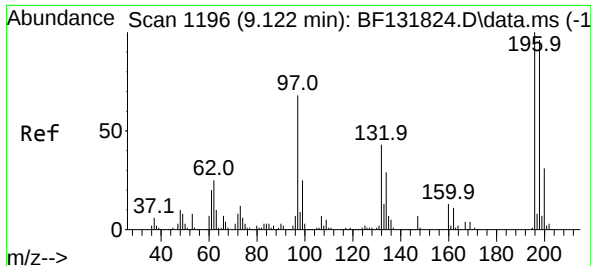
Tgt Ion:237 Resp: 178707
Ion Ratio Lower Upper
237 100
235 62.4 42.3 82.3
272 11.6 0.0 31.4



#42
2,4,6-Tribromophenol
Concen: 134.359 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:330 Resp: 170756
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.4
141 39.4 31.0 46.4

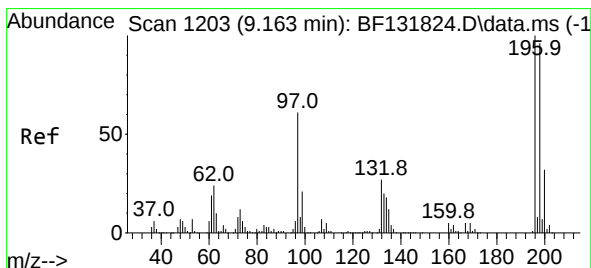
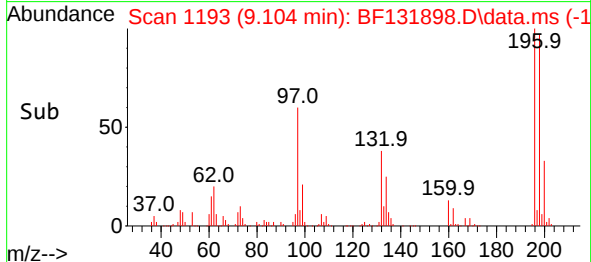
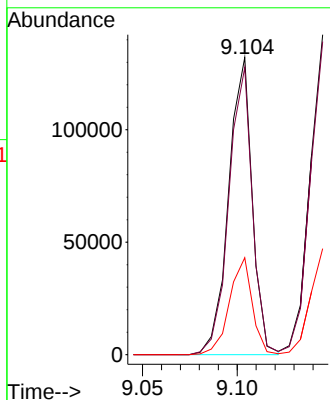
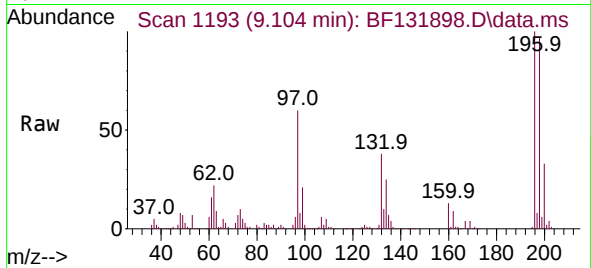




#43
2,4,6-Trichlorophenol
Concen: 43.468 ng
RT: 9.104 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

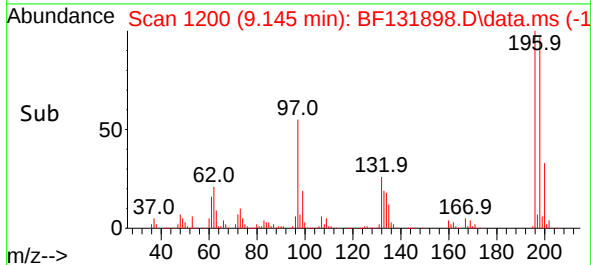
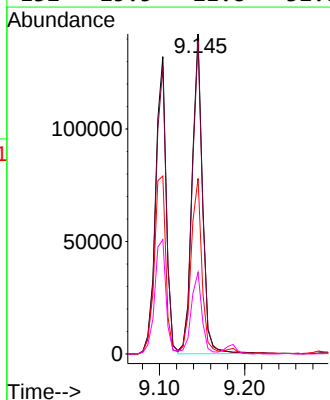
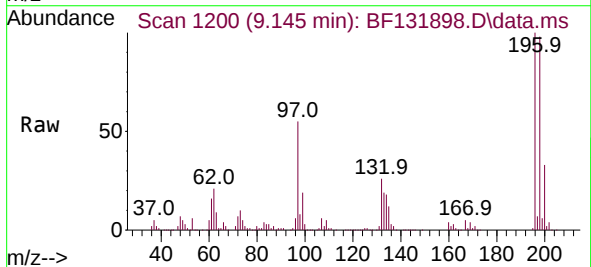
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

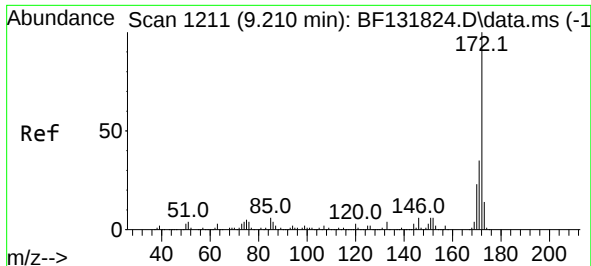
Tgt Ion:196 Resp: 114343
Ion Ratio Lower Upper
196 100
198 96.6 76.5 114.7
200 32.6 24.5 36.7



#44
2,4,5-Trichlorophenol
Concen: 42.441 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.000 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:196 Resp: 120682
Ion Ratio Lower Upper
196 100
198 97.8 76.6 115.0
97 54.9 49.3 73.9
132 25.5 21.8 32.8





#45

2-Fluorobiphenyl

Concen: 89.958 ng

RT: 9.186 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

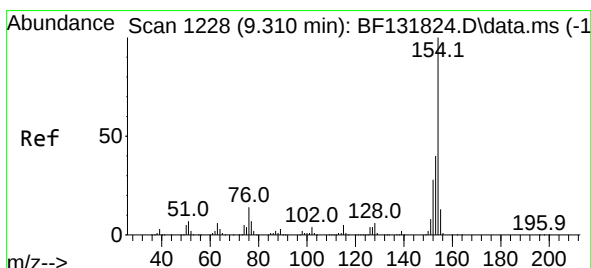
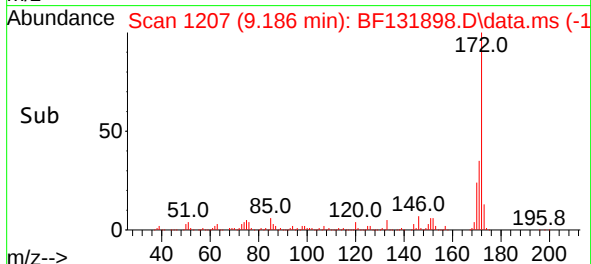
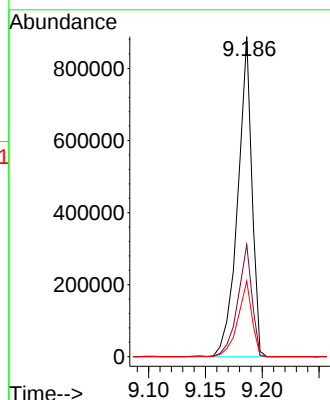
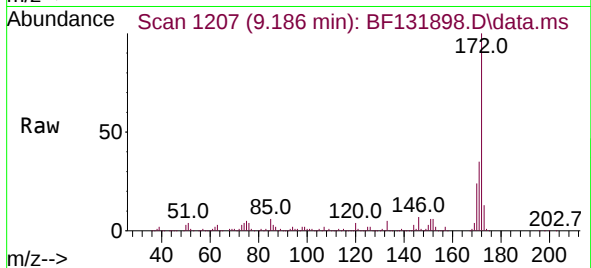
Tgt Ion:172 Resp: 768216

Ion Ratio Lower Upper

172 100

171 35.0 27.9 41.9

170 23.7 18.7 28.1



#46

1,1'-Biphenyl

Concen: 46.629 ng

RT: 9.286 min Scan# 1224

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

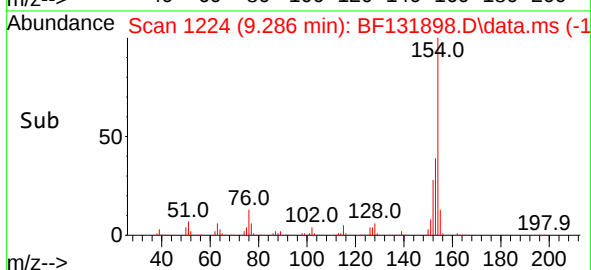
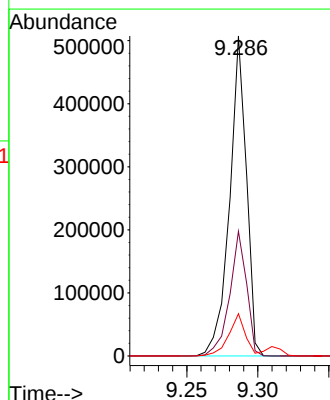
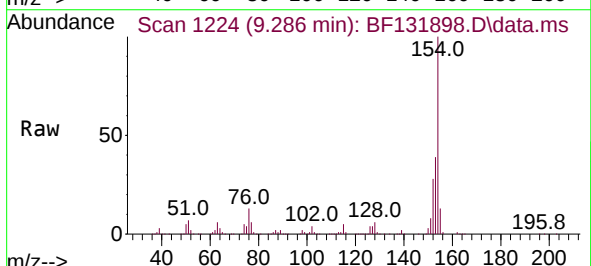
Tgt Ion:154 Resp: 417578

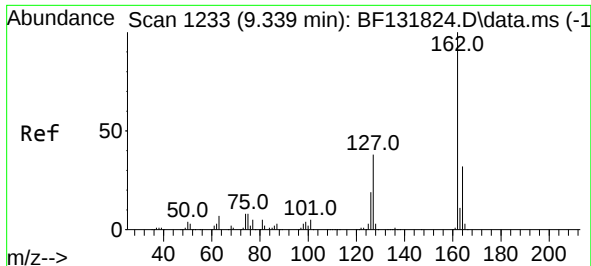
Ion Ratio Lower Upper

154 100

153 38.9 19.8 59.8

76 13.2 0.0 33.9





#47

2-Chloronaphthalene

Concen: 44.668 ng

RT: 9.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

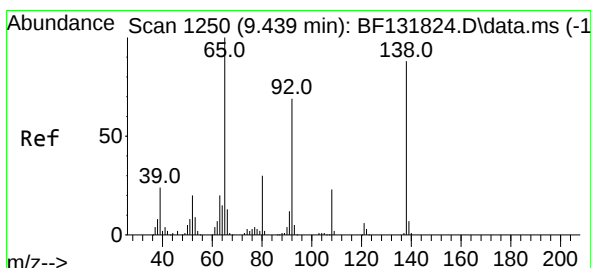
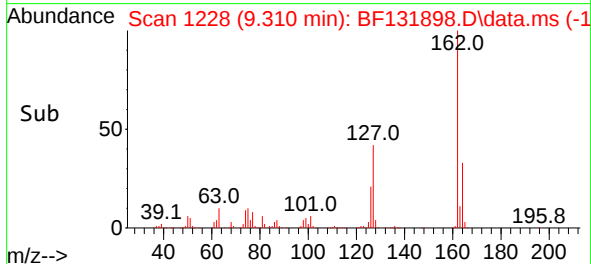
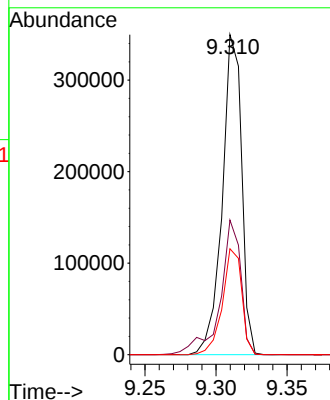
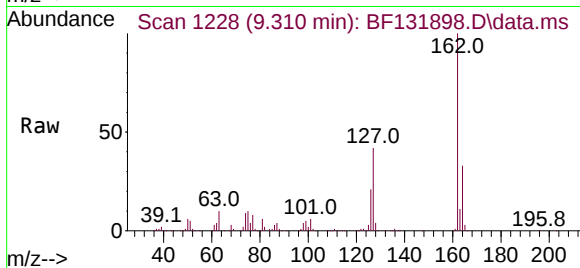
Tgt Ion:162 Resp: 330939

Ion Ratio Lower Upper

162 100

127 42.0 31.0 46.6

164 33.1 25.9 38.9



#48

2-Nitroaniline

Concen: 42.083 ng

RT: 9.416 min Scan# 1246

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

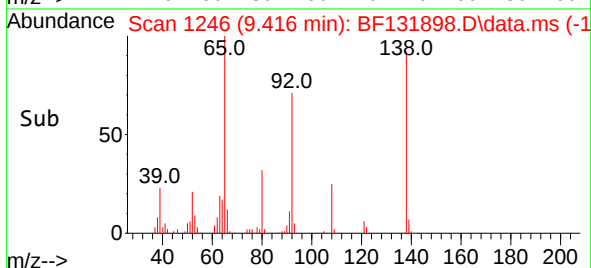
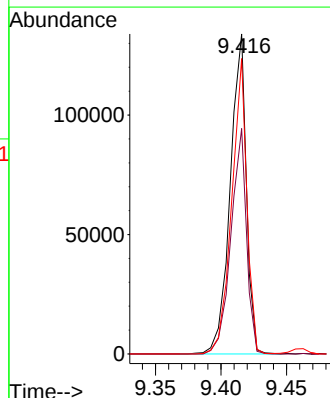
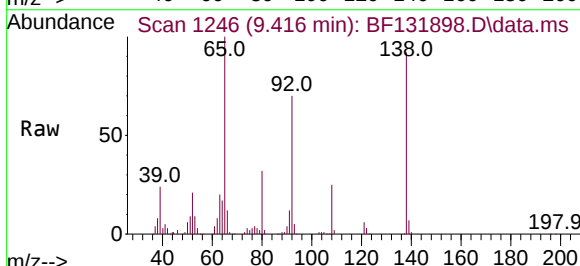
Tgt Ion: 65 Resp: 114281

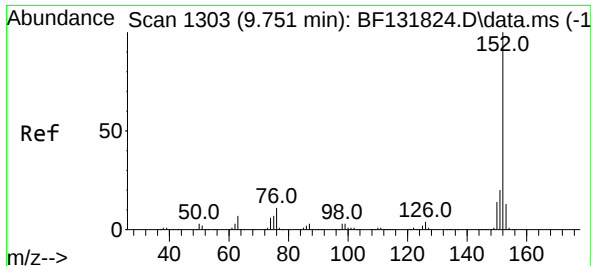
Ion Ratio Lower Upper

65 100

92 70.5 55.0 82.6

138 92.3 70.4 105.6





#49

Acenaphthylene

Concen: 44.822 ng

RT: 9.727 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

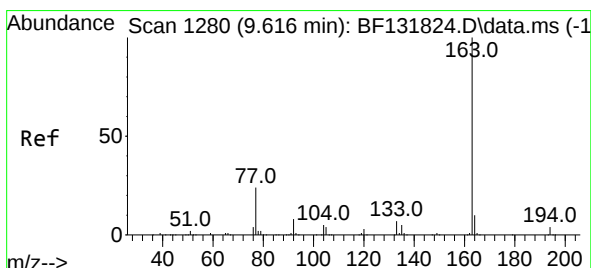
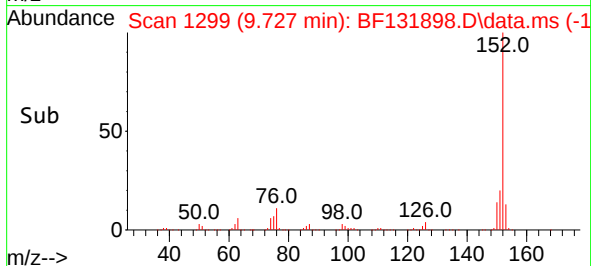
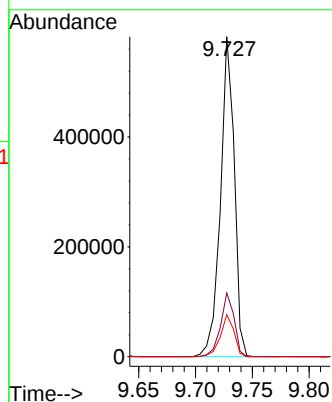
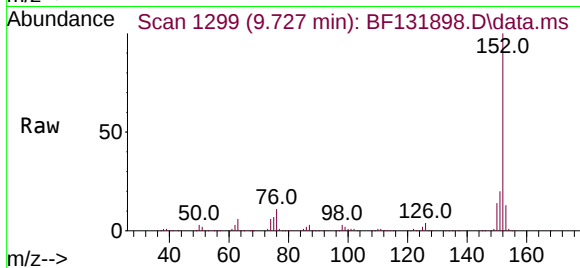
Tgt Ion:152 Resp: 494479

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.6

153 13.1 10.2 15.4



#50

Dimethylphthalate

Concen: 43.665 ng

RT: 9.592 min Scan# 1276

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

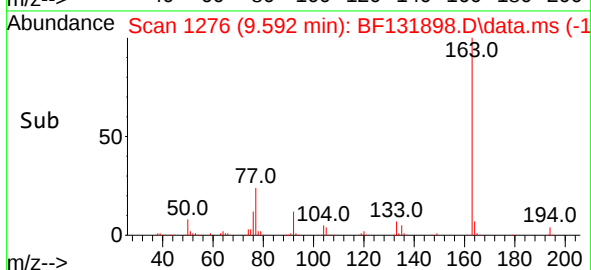
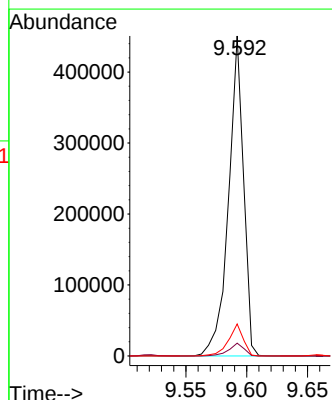
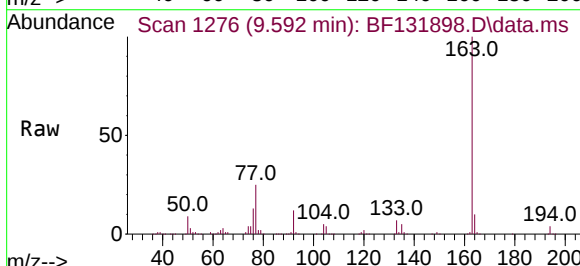
Tgt Ion:163 Resp: 386404

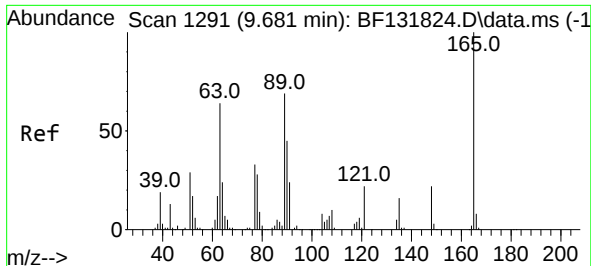
Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

164 10.0 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 43.417 ng

RT: 9.657 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

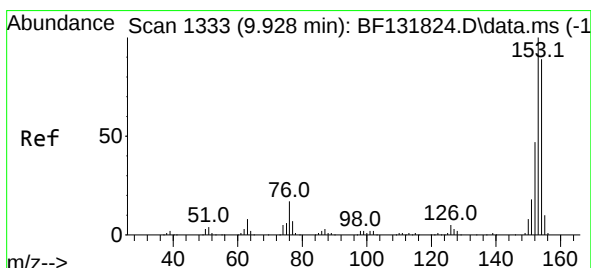
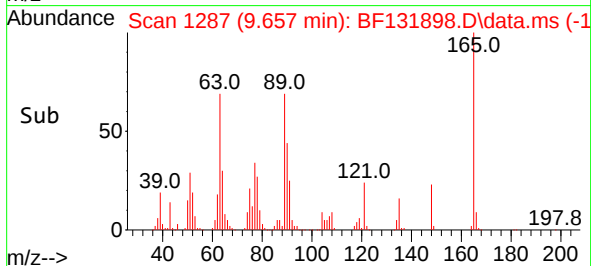
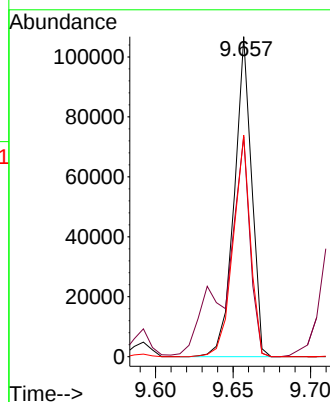
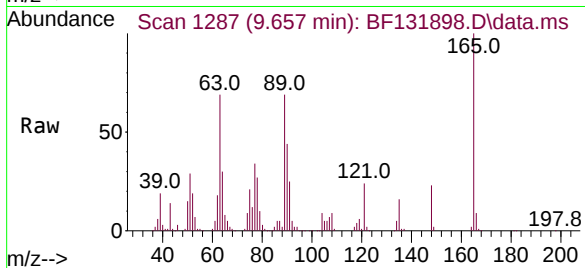
Tgt Ion:165 Resp: 83172

Ion Ratio Lower Upper

165 100

63 68.7 55.1 82.7

89 69.2 55.0 82.4



#52

Acenaphthene

Concen: 43.073 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

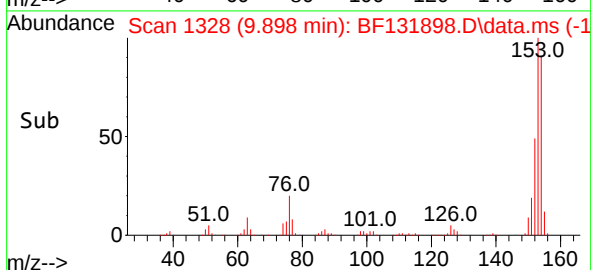
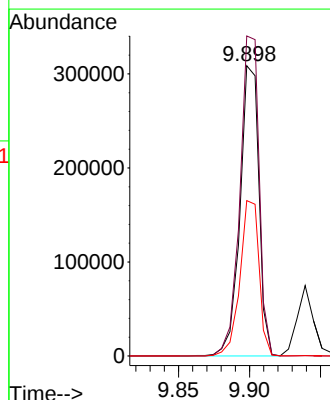
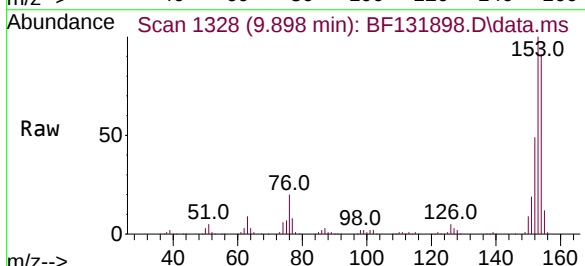
Tgt Ion:154 Resp: 286787

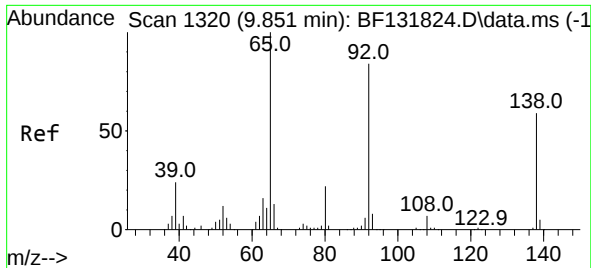
Ion Ratio Lower Upper

154 100

153 110.2 90.2 135.2

152 53.5 42.5 63.7

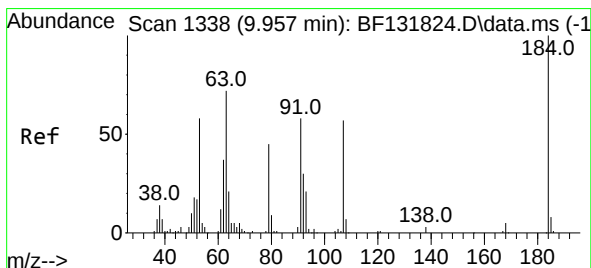
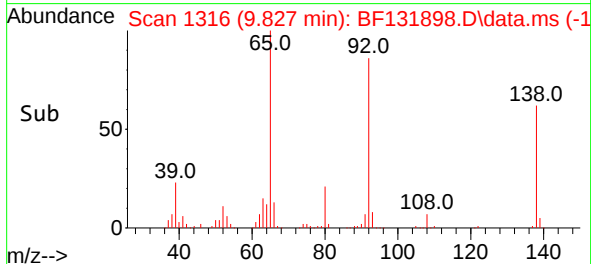
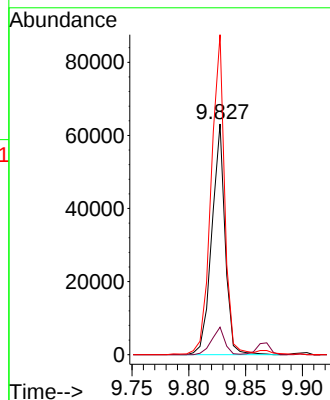
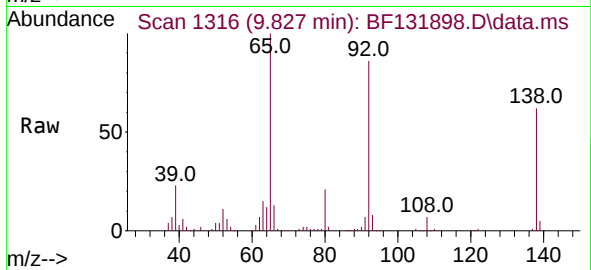




#53
3-Nitroaniline
Concen: 26.189 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

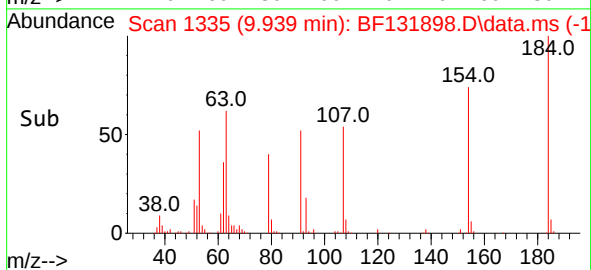
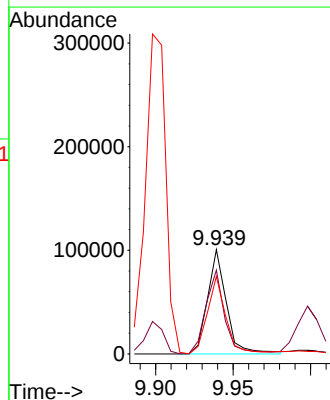
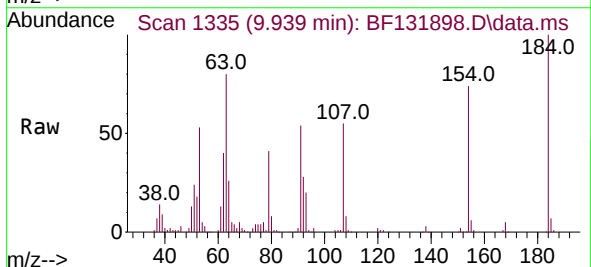
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

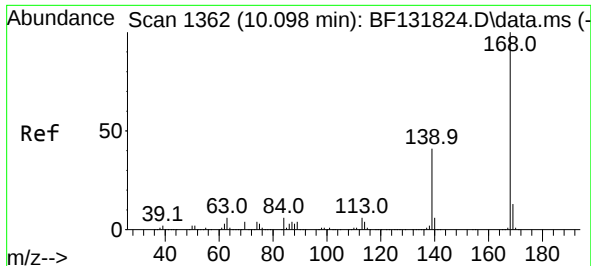
Tgt Ion:138 Resp: 51118
Ion Ratio Lower Upper
138 100
108 11.9 9.3 13.9
92 138.7 113.9 170.9



#54
2,4-Dinitrophenol
Concen: 77.728 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:184 Resp: 85688
Ion Ratio Lower Upper
184 100
63 80.4 66.8 100.2
154 74.5 61.6 92.4

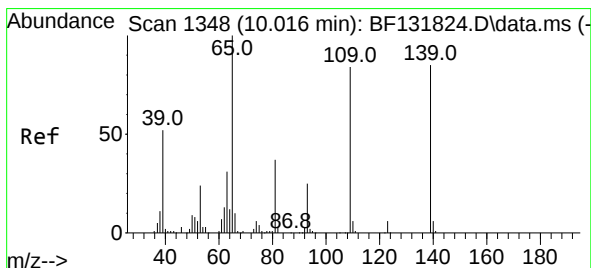
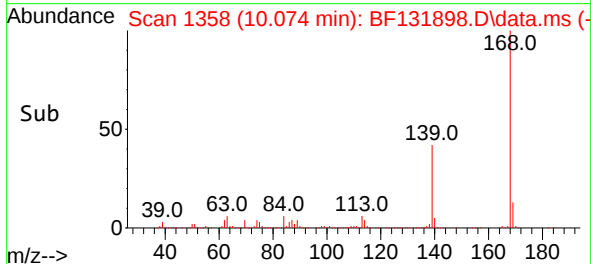
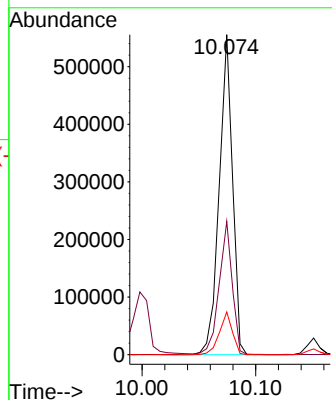
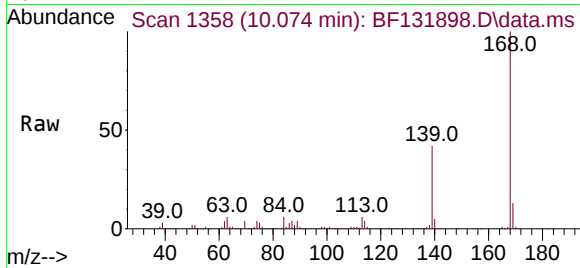




#55
Dibenzenofuran
Concen: 44.243 ng
RT: 10.074 min Scan# 1358
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

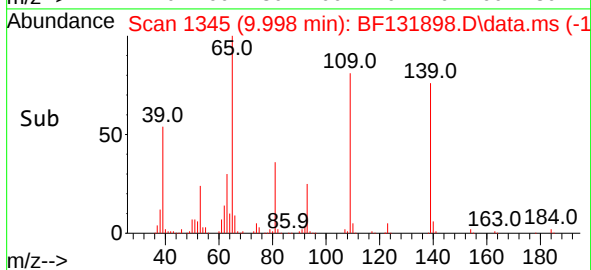
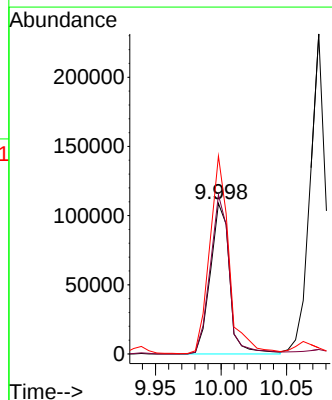
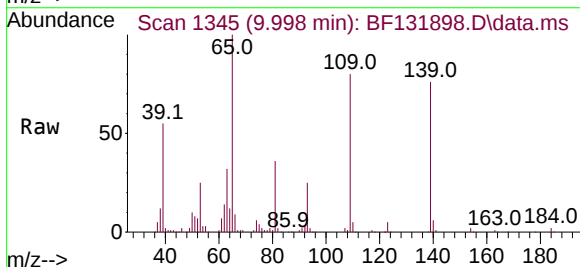
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

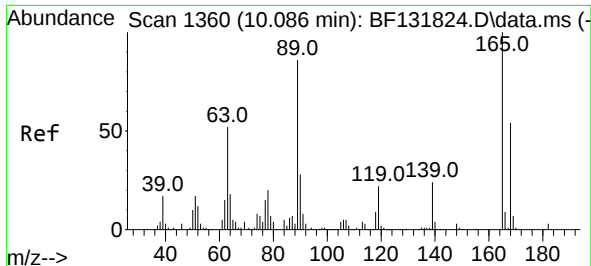
Tgt Ion:168 Resp: 453854
Ion Ratio Lower Upper
168 100
139 41.6 32.6 49.0
169 13.3 10.5 15.7



#56
4-Nitrophenol
Concen: 81.220 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:139 Resp: 111056
Ion Ratio Lower Upper
139 100
109 105.8 78.5 118.5
65 131.5 97.5 137.5

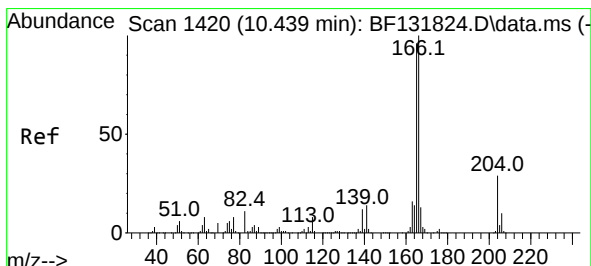
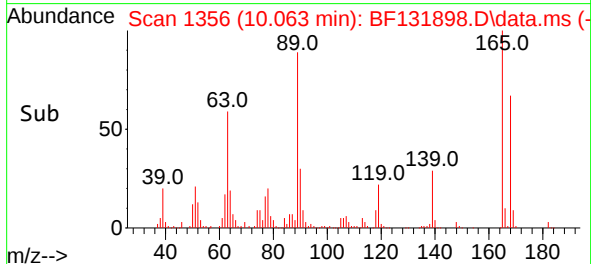
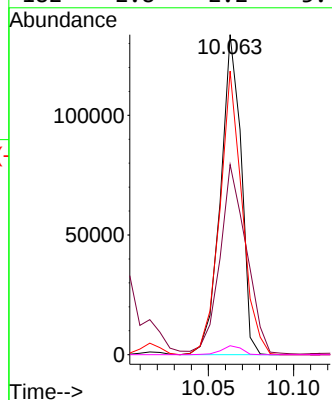
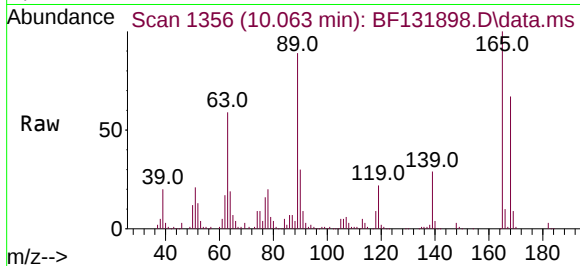




#57
2,4-Dinitrotoluene
Concen: 42.984 ng
RT: 10.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

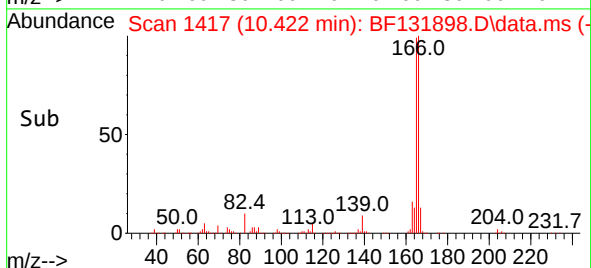
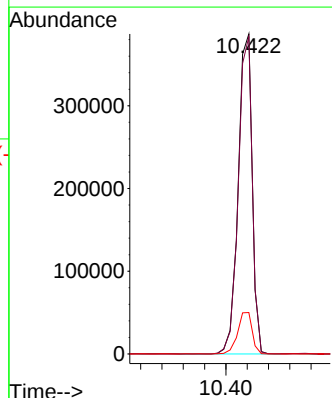
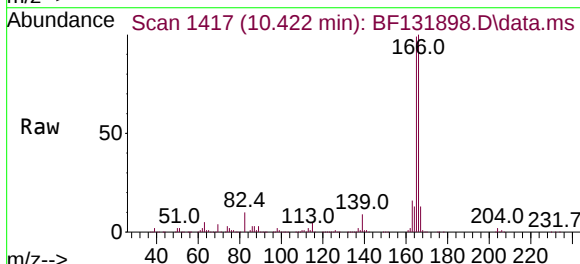
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

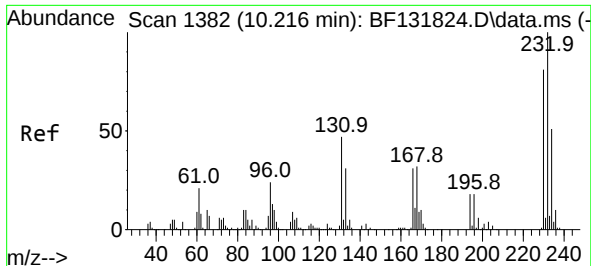
Tgt Ion:165 Resp: 112611
Ion Ratio Lower Upper
165 100
63 59.4 42.1 63.1
89 88.6 69.1 103.7
182 2.8 2.2 3.4



#58
Fluorene
Concen: 42.303 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:166 Resp: 354260
Ion Ratio Lower Upper
166 100
165 99.2 77.0 115.4
167 12.9 10.4 15.6

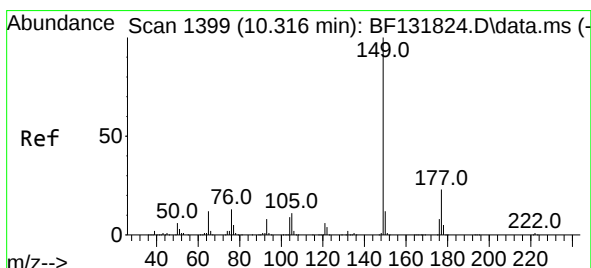
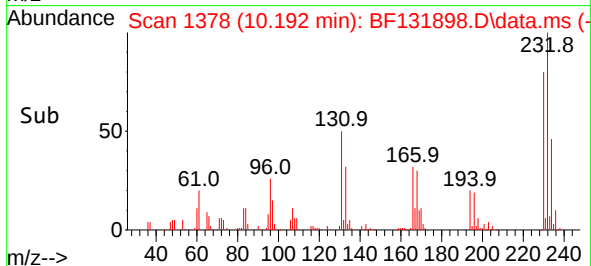
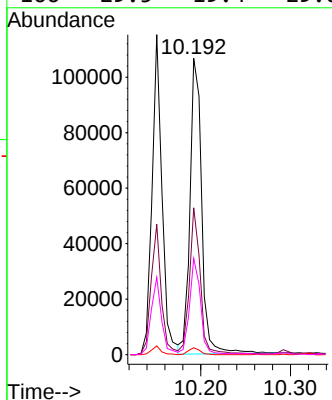
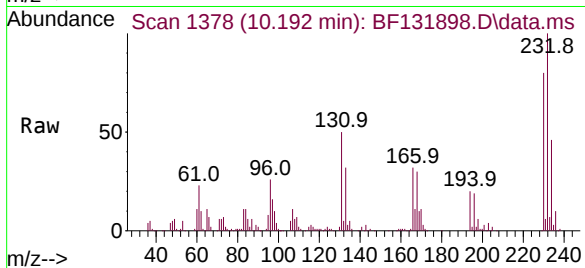




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.451 ng
RT: 10.192 min Scan# 1378
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

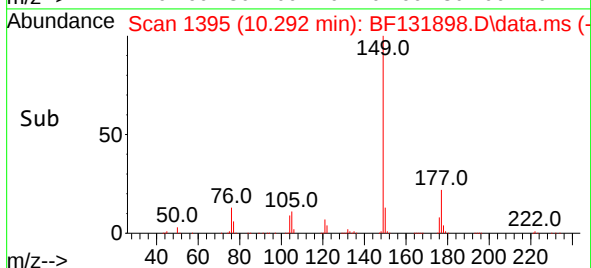
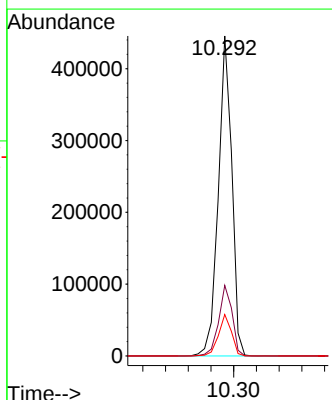
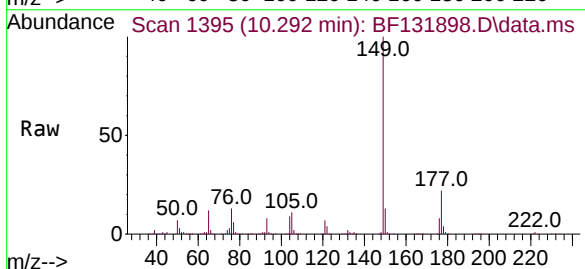
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

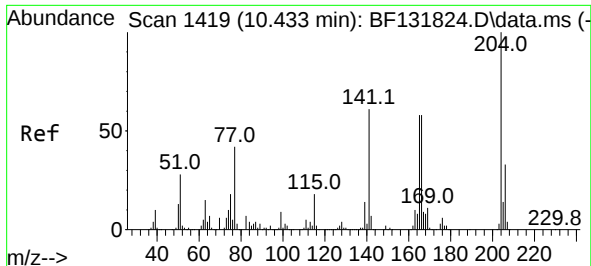
Tgt Ion:232 Resp: 96725
Ion Ratio Lower Upper
232 100
131 45.0 30.1 45.1
130 2.3 1.8 2.6
166 29.5 19.4 29.0#



#60
Diethylphthalate
Concen: 43.173 ng
RT: 10.292 min Scan# 1395
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:149 Resp: 367709
Ion Ratio Lower Upper
149 100
177 22.1 18.1 27.1
150 12.9 9.8 14.8

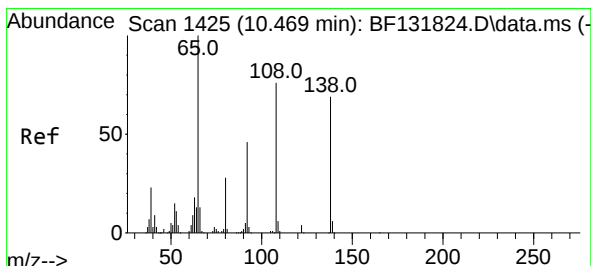
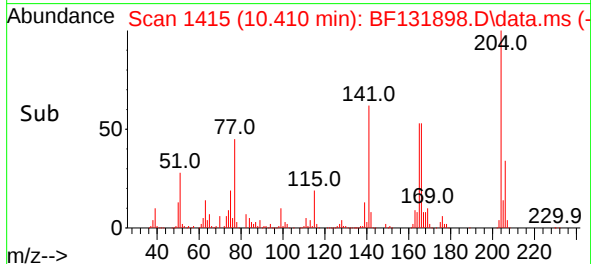
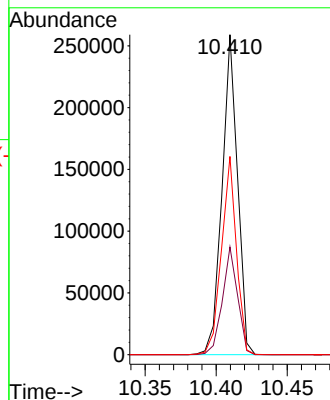
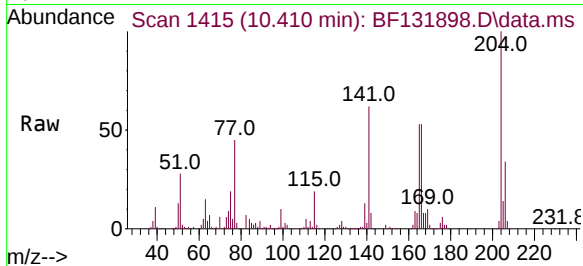




#61
4-Chlorophenyl-phenylether
Concen: 44.884 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

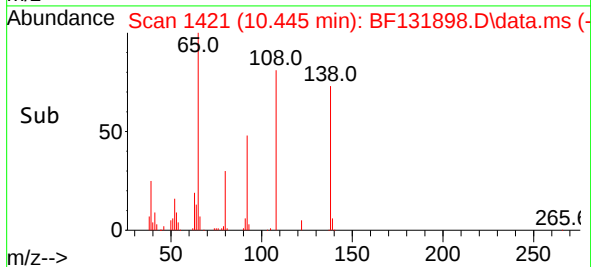
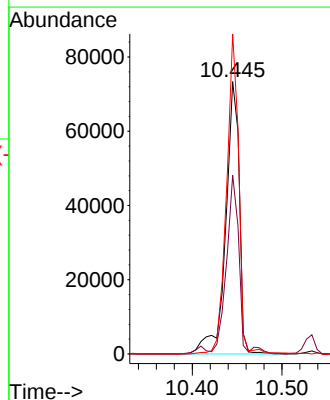
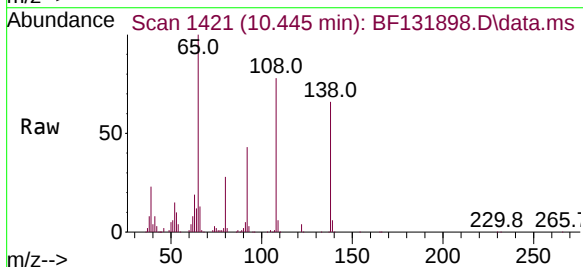
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

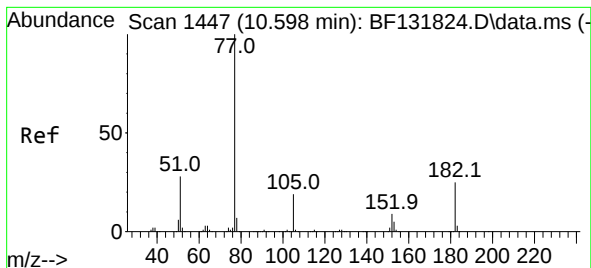
Tgt Ion:204 Resp: 195401
Ion Ratio Lower Upper
204 100
206 33.6 26.5 39.7
141 62.0 49.0 73.4



#62
4-Nitroaniline
Concen: 37.980 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:138 Resp: 77261
Ion Ratio Lower Upper
138 100
92 65.7 47.2 87.2
108 117.5 89.2 129.2





#63

Azobenzene

Concen: 43.387 ng

RT: 10.569 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

Tgt Ion: 77 Resp: 410108

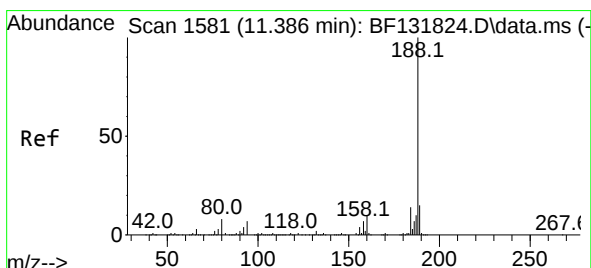
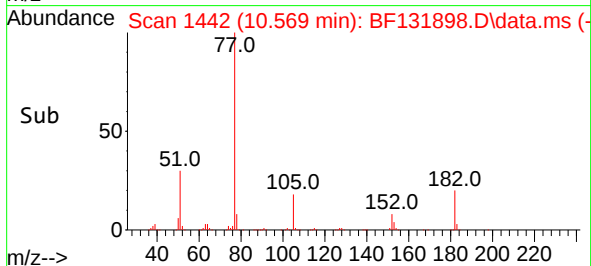
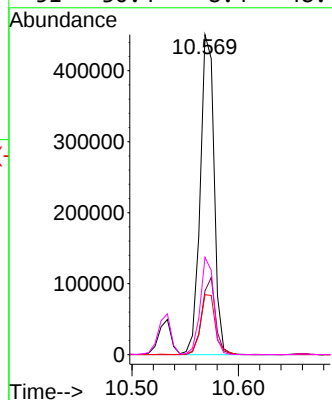
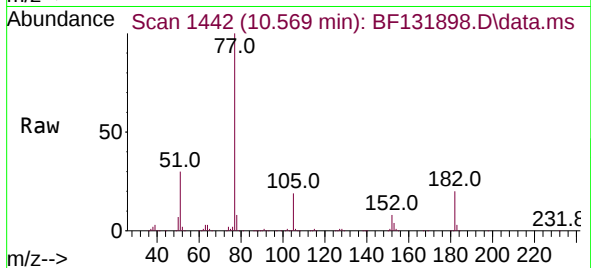
Ion Ratio Lower Upper

77 100

182 19.9 5.0 45.0

105 18.7 0.0 39.4

51 30.4 8.4 48.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

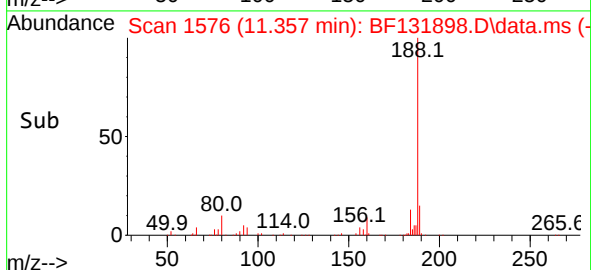
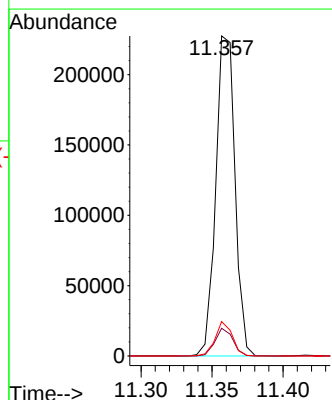
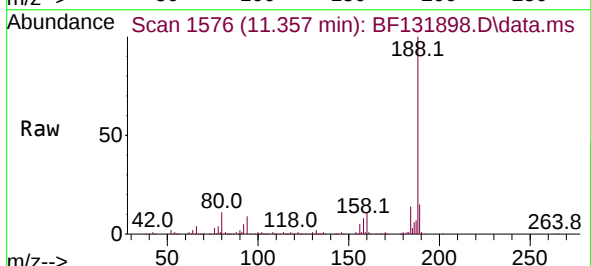
Tgt Ion: 188 Resp: 213903

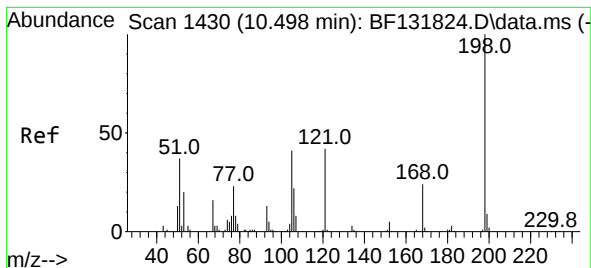
Ion Ratio Lower Upper

188 100

94 8.7 5.8 8.6#

80 10.8 6.7 10.1#

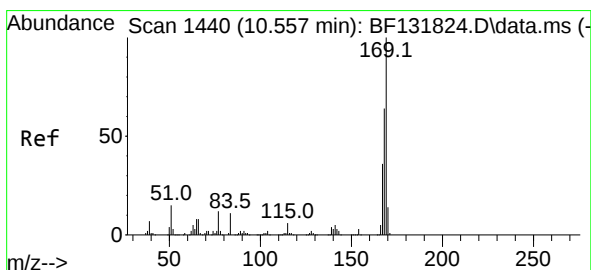
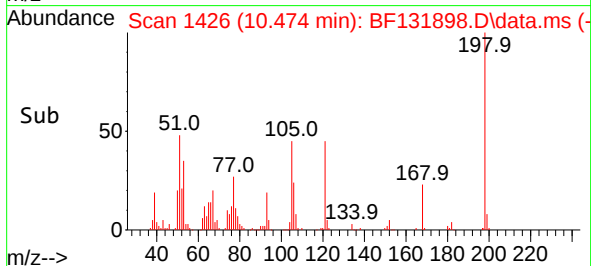
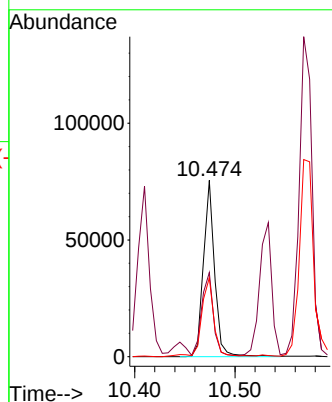
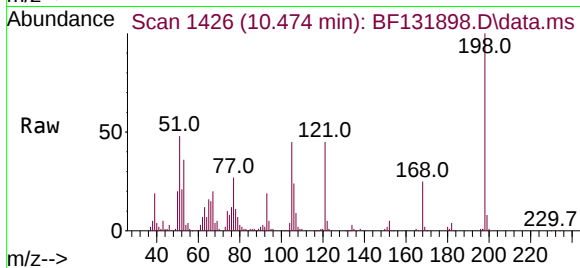




#65
4,6-Dinitro-2-methylphenol
Concen: 40.362 ng
RT: 10.474 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

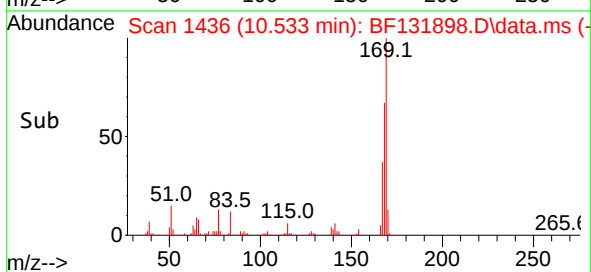
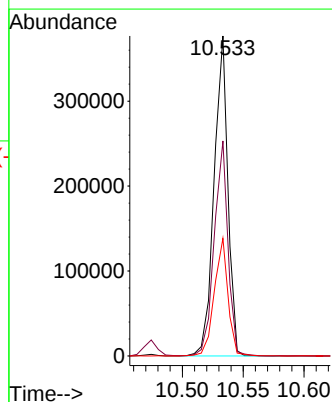
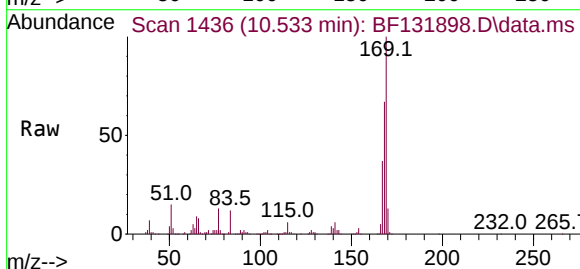
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

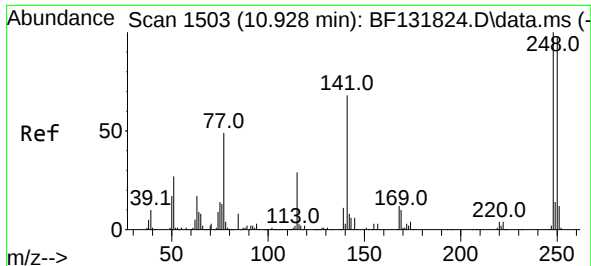
Tgt Ion:198 Resp: 58782
Ion Ratio Lower Upper
198 100
51 47.8 21.6 61.6
105 44.7 22.0 62.0



#66
n-Nitrosodiphenylamine
Concen: 45.602 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:169 Resp: 297549
Ion Ratio Lower Upper
169 100
168 67.2 51.5 77.3
167 36.7 28.4 42.6

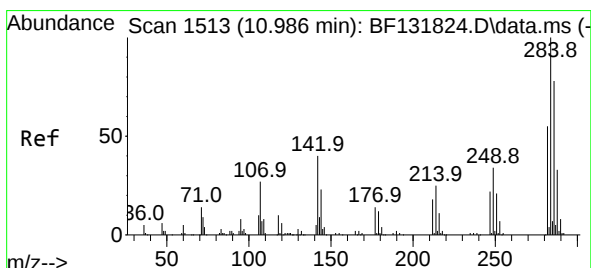
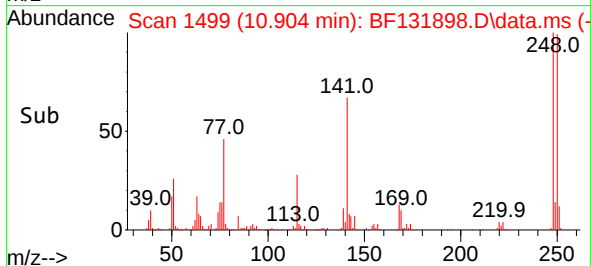
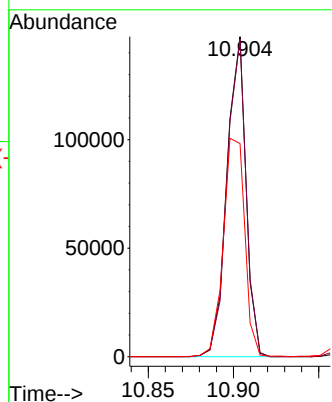
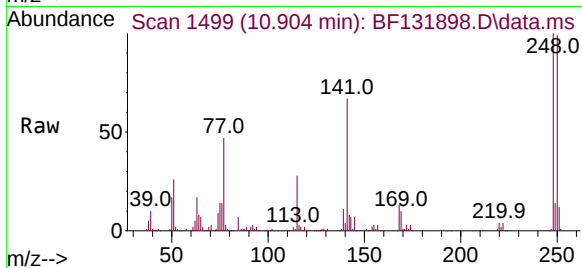




#67
4-Bromophenyl-phenylether
Concen: 46.220 ng
RT: 10.904 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

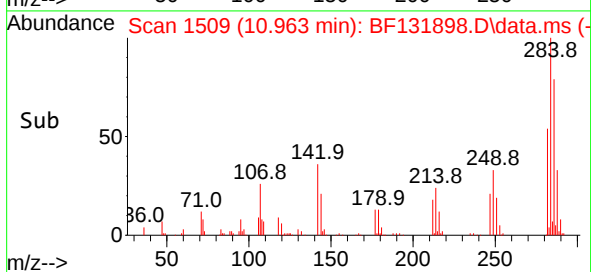
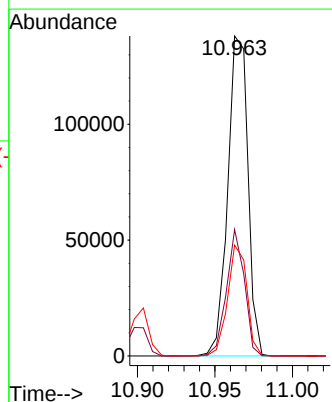
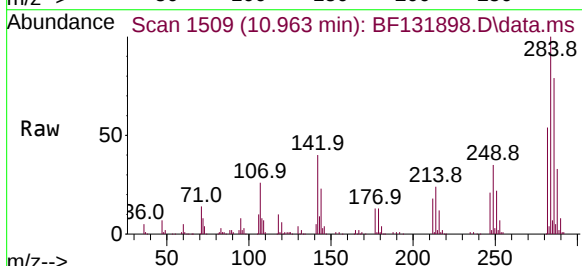
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

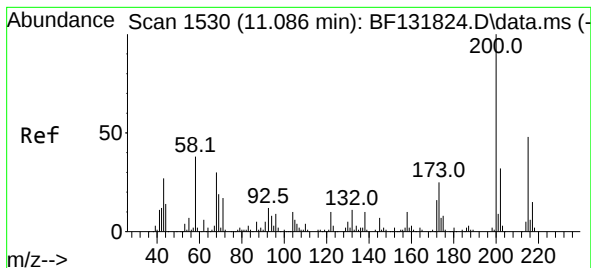
Tgt Ion:248 Resp: 114586
Ion Ratio Lower Upper
248 100
250 99.2 78.0 117.0
141 66.6 54.8 82.2



#68
Hexachlorobenzene
Concen: 46.053 ng
RT: 10.963 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:284 Resp: 125421
Ion Ratio Lower Upper
284 100
142 39.5 31.6 47.4
249 34.7 26.9 40.3





#69

Atrazine

Concen: 50.115 ng

RT: 11.063 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

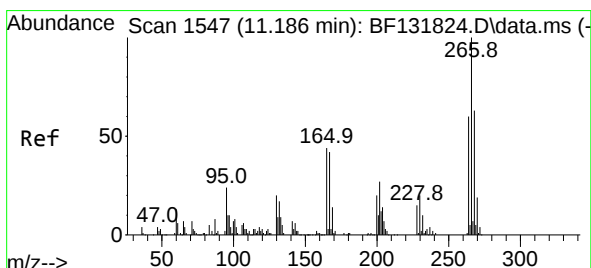
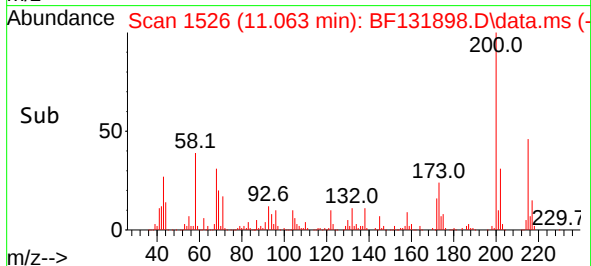
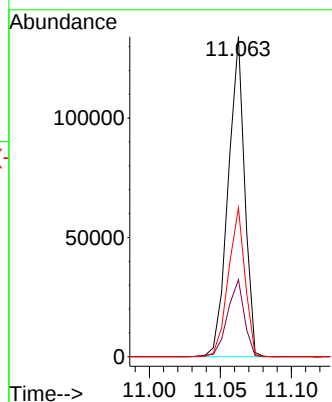
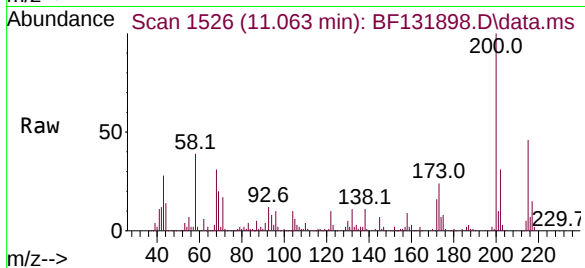
Tgt Ion:200 Resp: 107653

Ion Ratio Lower Upper

200 100

173 24.1 4.5 44.5

215 46.5 28.5 68.5



#70

Pentachlorophenol

Concen: 83.993 ng

RT: 11.169 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

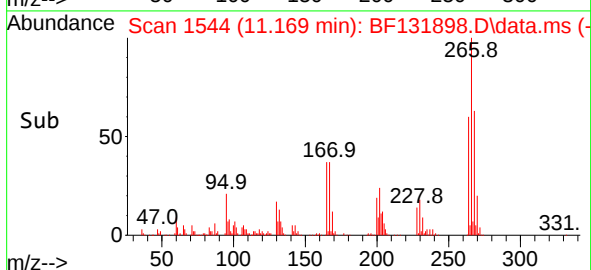
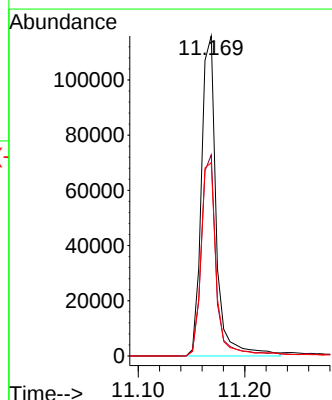
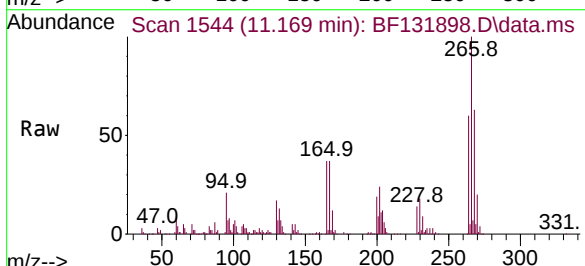
Tgt Ion:266 Resp: 113189

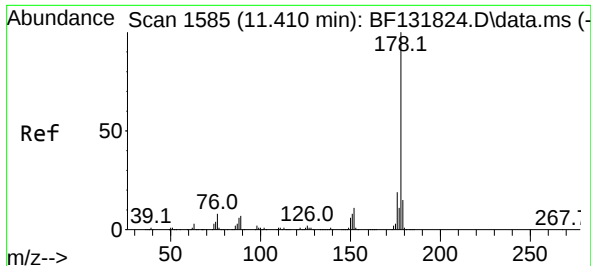
Ion Ratio Lower Upper

266 100

268 62.8 50.5 75.7

264 60.4 48.3 72.5

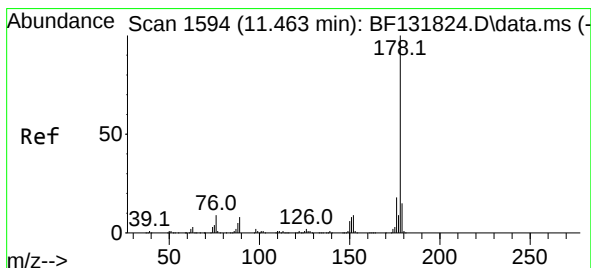
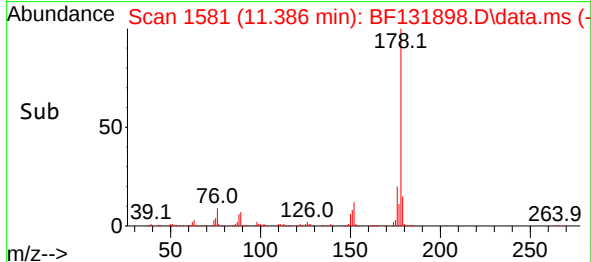
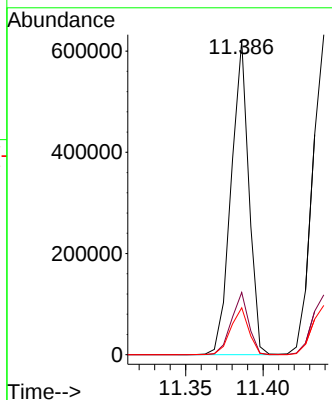
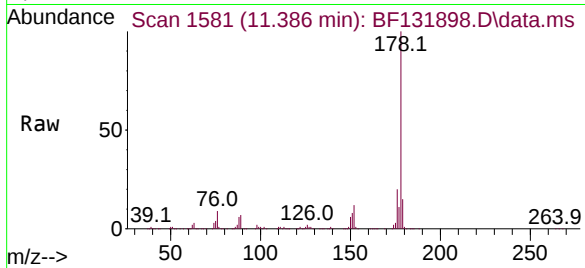




#71
Phenanthrene
Concen: 41.889 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

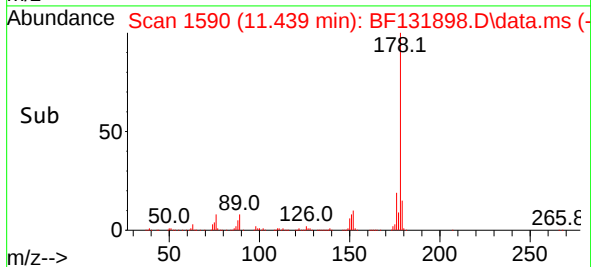
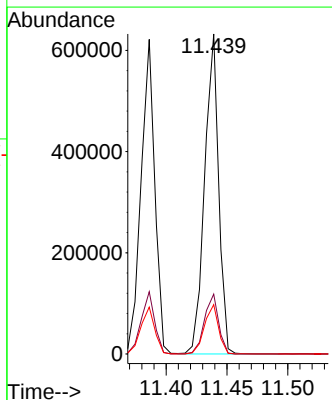
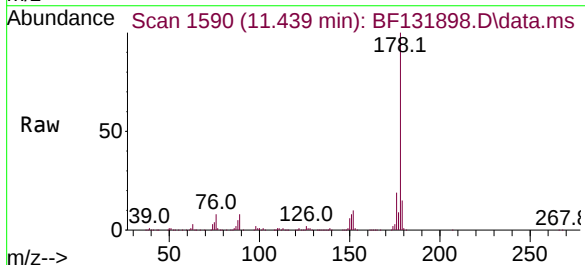
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

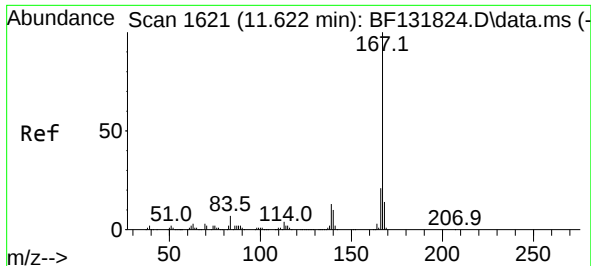
Tgt Ion:178 Resp: 492732
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 14.9 12.2 18.4



#72
Anthracene
Concen: 43.924 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:178 Resp: 505424
Ion Ratio Lower Upper
178 100
176 18.7 14.8 22.2
179 15.4 12.2 18.2

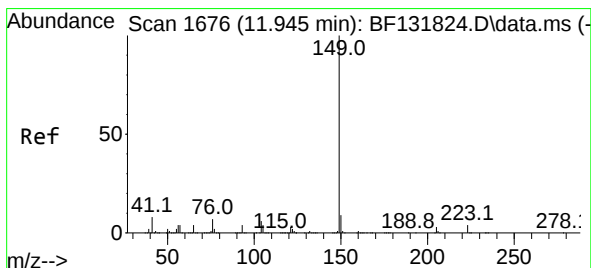
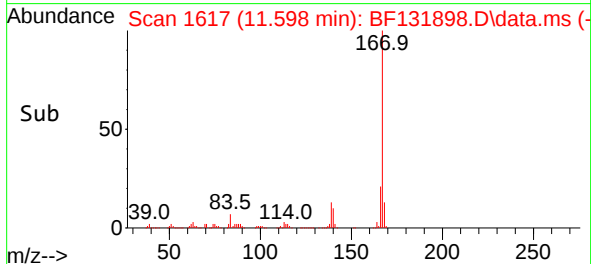
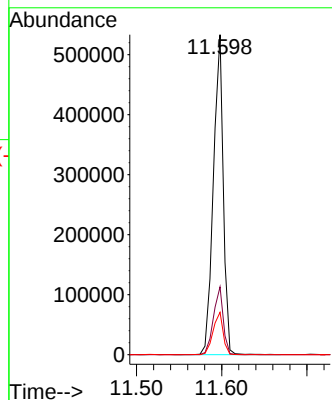
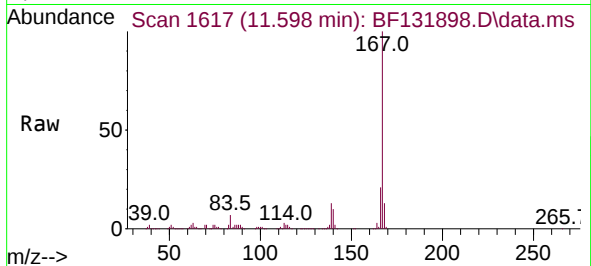




#73
 Carbazole
 Concen: 42.483 ng
 RT: 11.598 min Scan# 1617
 Delta R.T. -0.000 min
 Lab File: BF131898.D
 Acq: 04 Jan 2023 14:35

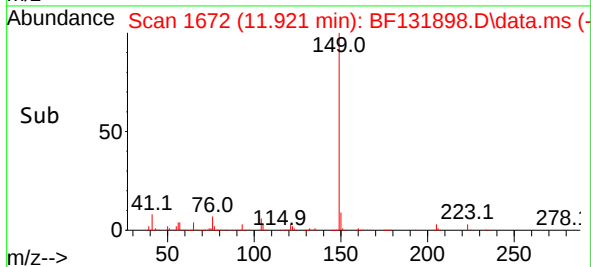
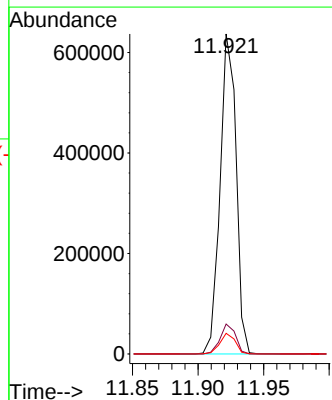
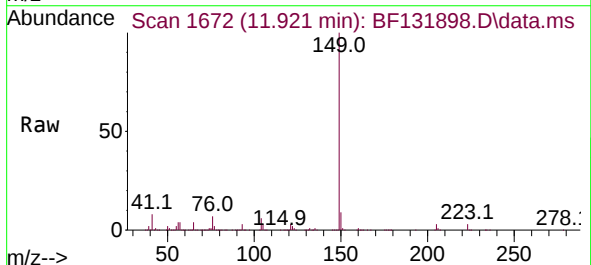
Instrument :
 BNA_F
 ClientSampleId :
 MM-4MSD

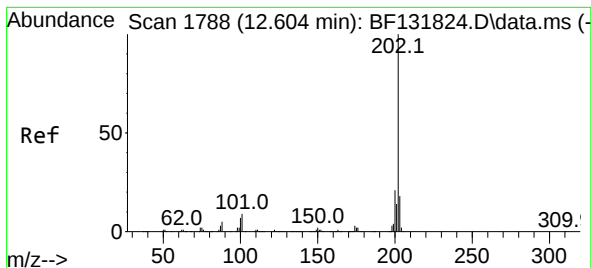
Tgt Ion:167 Resp: 431558
 Ion Ratio Lower Upper
 167 100
 166 21.2 16.6 24.8
 139 13.2 10.6 15.8



#74
 Di-n-butylphthalate
 Concen: 43.931 ng
 RT: 11.921 min Scan# 1672
 Delta R.T. -0.006 min
 Lab File: BF131898.D
 Acq: 04 Jan 2023 14:35

Tgt Ion:149 Resp: 539408
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.5 11.3
 104 6.5 5.1 7.7





#75

Fluoranthene

Concen: 35.677 ng

RT: 12.580 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

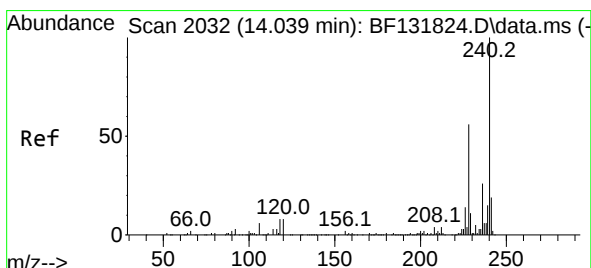
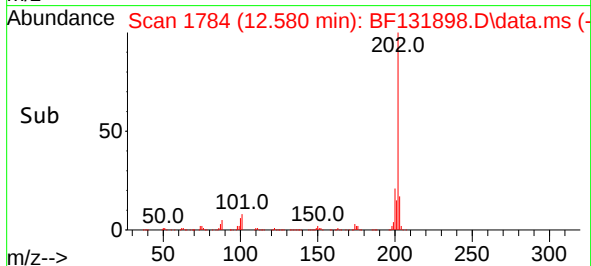
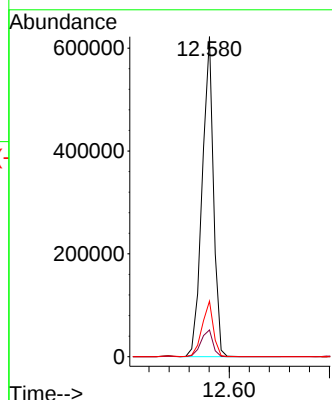
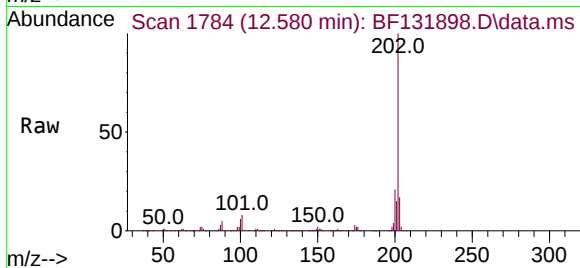
Tgt Ion:202 Resp: 488818

Ion Ratio Lower Upper

202 100

101 8.3 0.0 28.6

203 17.4 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

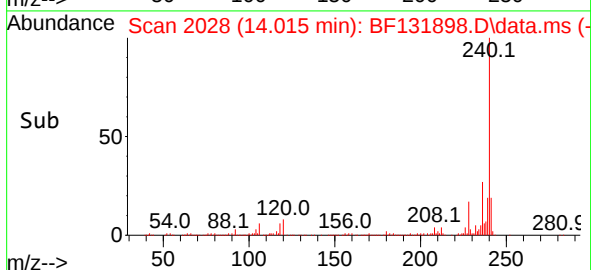
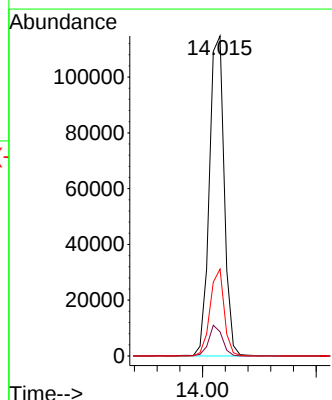
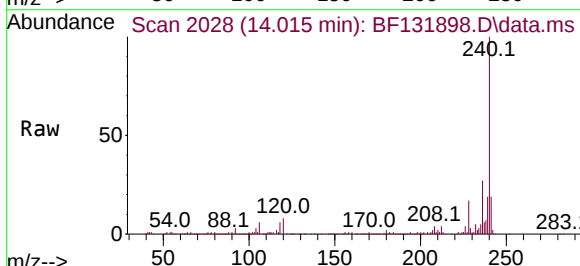
Tgt Ion:240 Resp: 103889

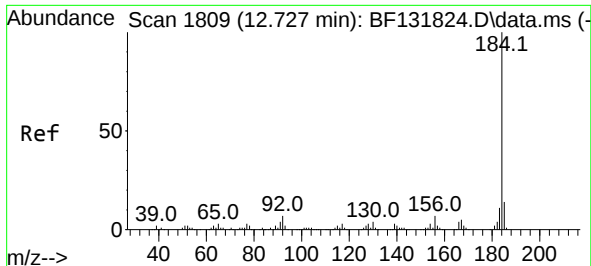
Ion Ratio Lower Upper

240 100

120 7.5 6.7 10.1

236 27.1 20.6 31.0

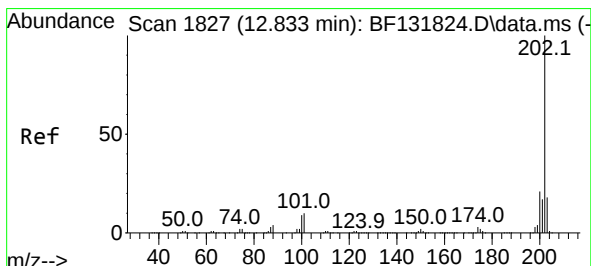
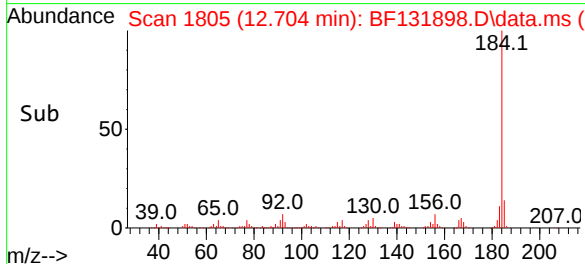
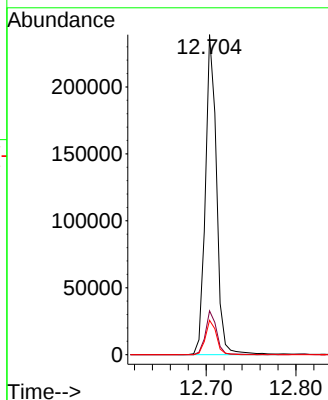
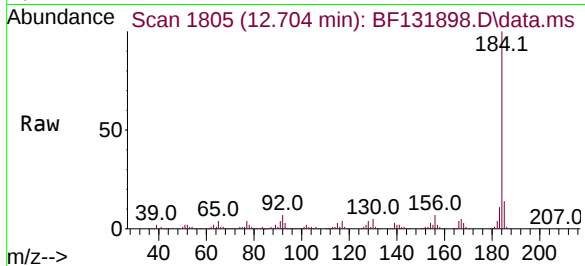




#77
Benzidine
Concen: 120.624 ng
RT: 12.704 min Scan# 1805
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

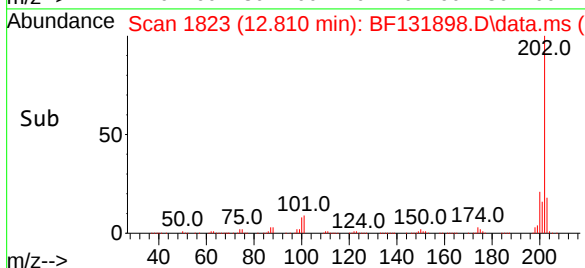
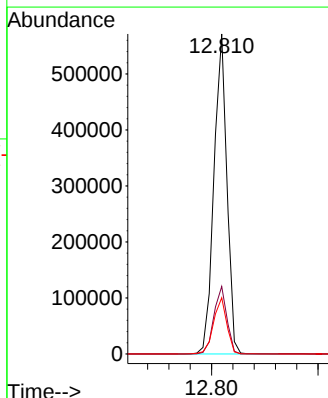
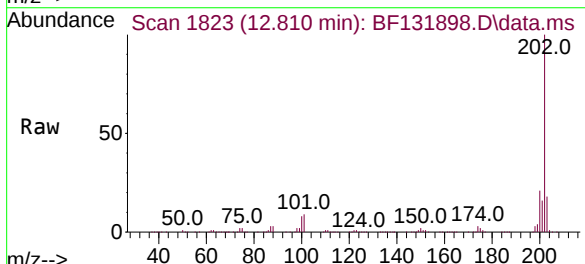
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

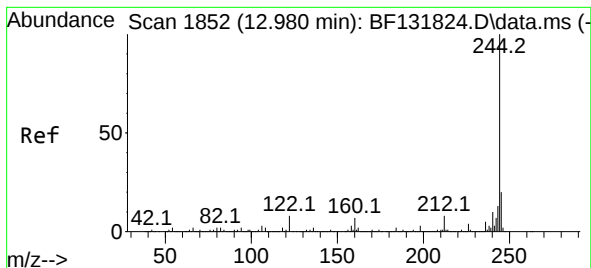
Tgt Ion:184 Resp: 205939
Ion Ratio Lower Upper
184 100
185 13.7 11.6 17.4
183 10.7 9.0 13.4



#78
Pyrene
Concen: 55.269 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:202 Resp: 481259
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.6 14.4 21.6





#79

Terphenyl-d14

Concen: 119.334 ng

RT: 12.951 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

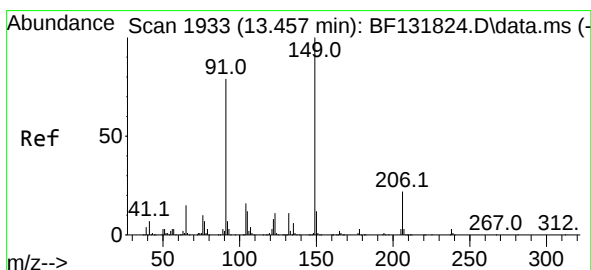
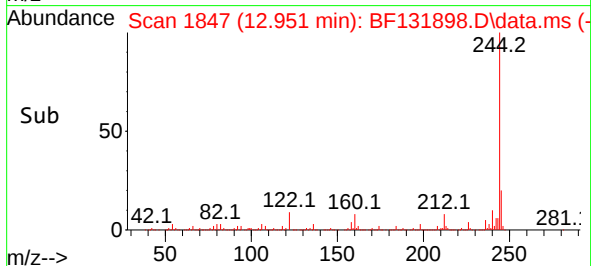
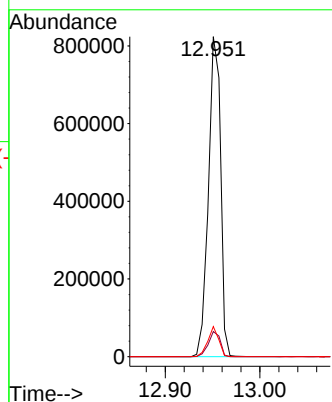
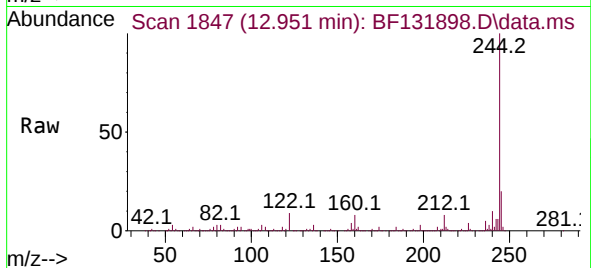
Tgt Ion:244 Resp: 732922

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

122 9.4 6.4 9.6



#80

Butylbenzylphthalate

Concen: 54.033 ng

RT: 13.427 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

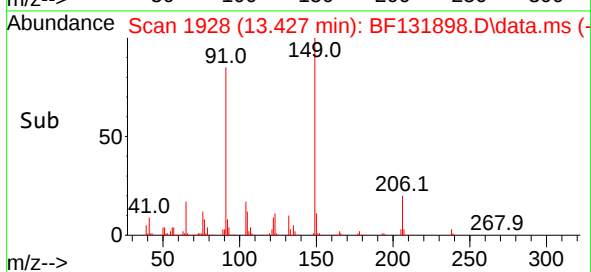
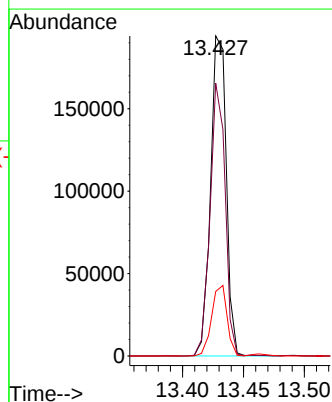
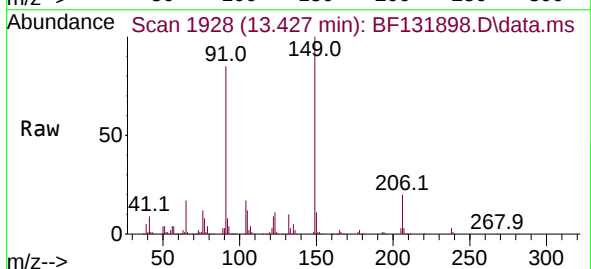
Tgt Ion:149 Resp: 174512

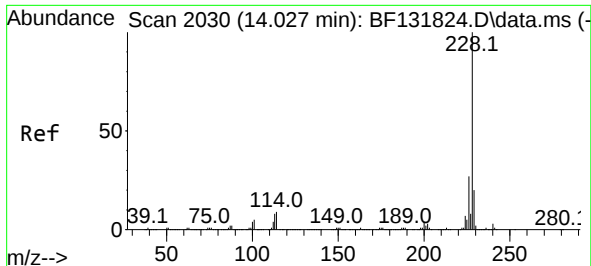
Ion Ratio Lower Upper

149 100

91 85.2 63.2 94.8

206 20.2 17.9 26.9

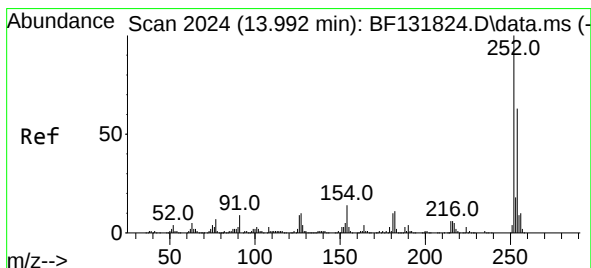
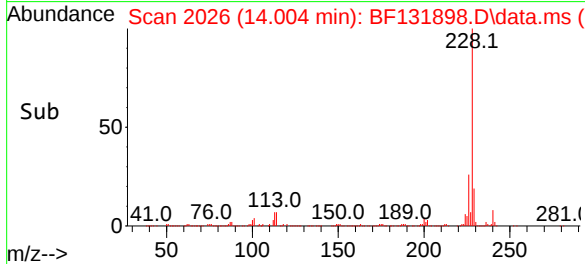
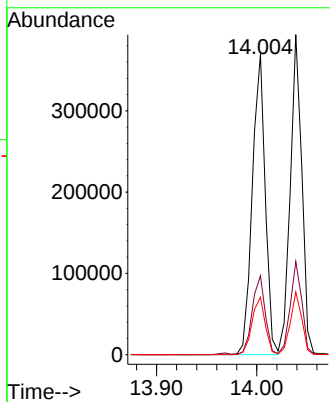
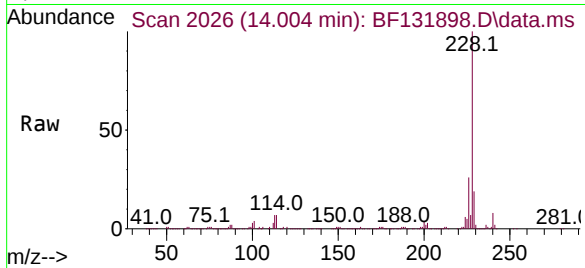




#81
Benzo(a)anthracene
Concen: 44.037 ng
RT: 14.004 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

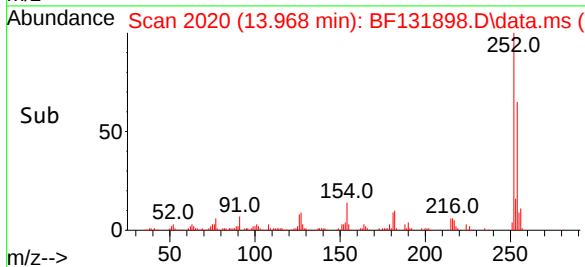
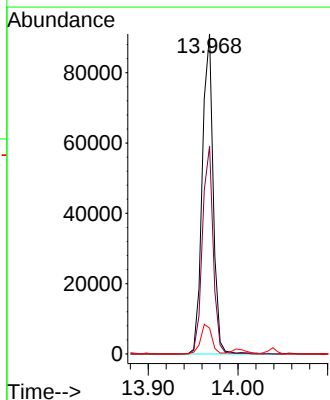
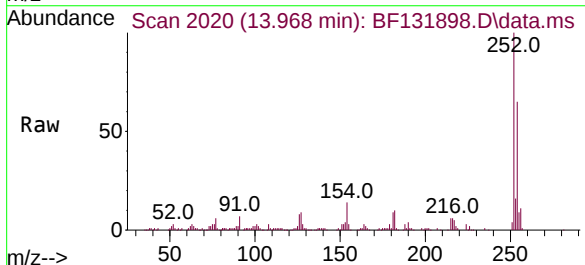
Instrument :
BNA_F
ClientSampleId :
MM-4MSD

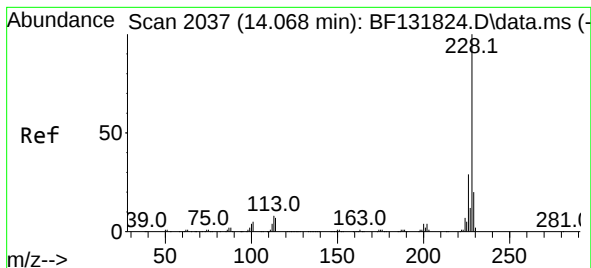
Tgt Ion:228 Resp: 331235
Ion Ratio Lower Upper
228 100
226 26.3 22.0 33.0
229 19.1 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 35.368 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF131898.D
Acq: 04 Jan 2023 14:35

Tgt Ion:252 Resp: 76893
Ion Ratio Lower Upper
252 100
254 65.0 50.4 75.6
126 8.1 7.5 11.3





#83

Chrysene

Concen: 44.680 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

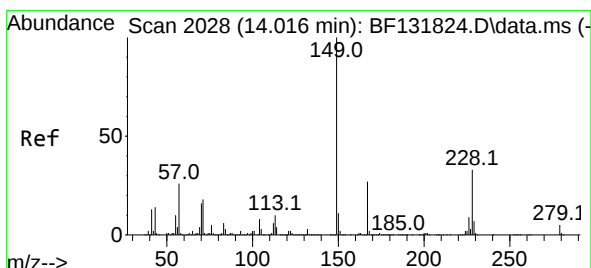
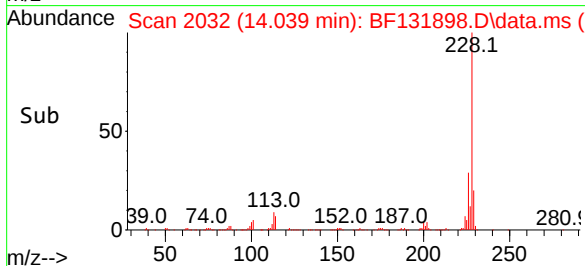
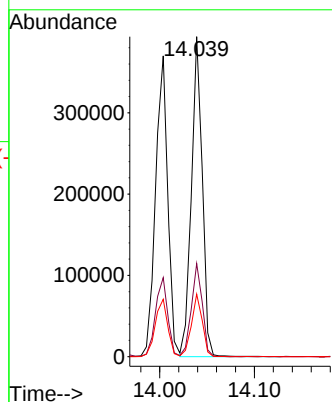
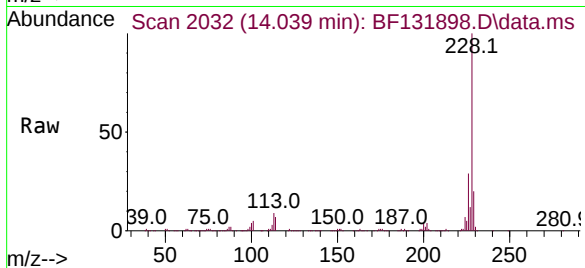
Tgt Ion:228 Resp: 315806

Ion Ratio Lower Upper

228 100

226 29.1 23.5 35.3

229 19.5 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.794 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

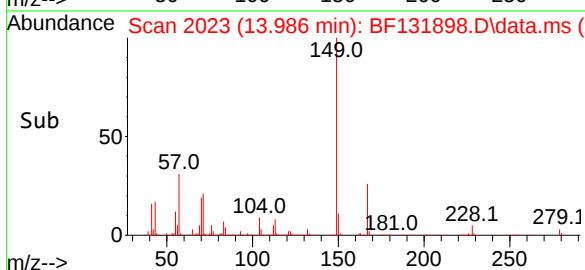
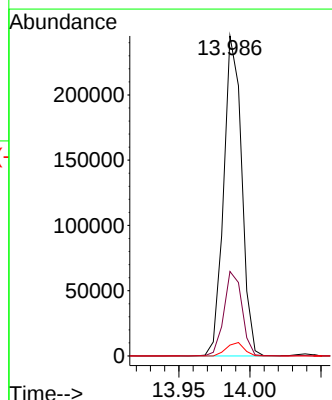
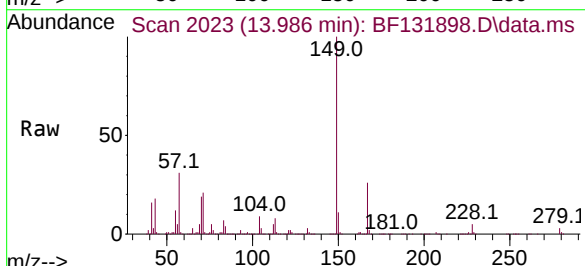
Tgt Ion:149 Resp: 215478

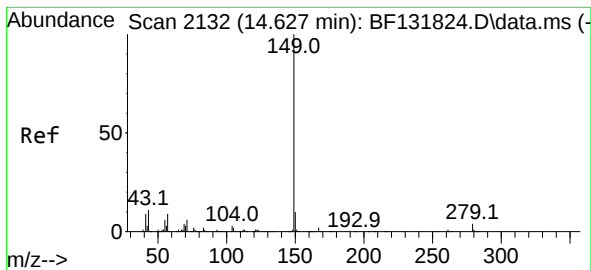
Ion Ratio Lower Upper

149 100

167 26.4 21.8 32.6

279 3.4 3.9 5.9#





#85

Di-n-octyl phthalate

Concen: 63.463 ng

RT: 14.604 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

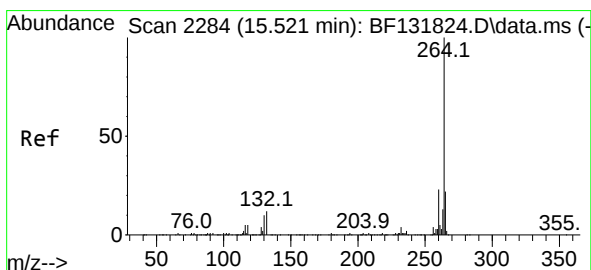
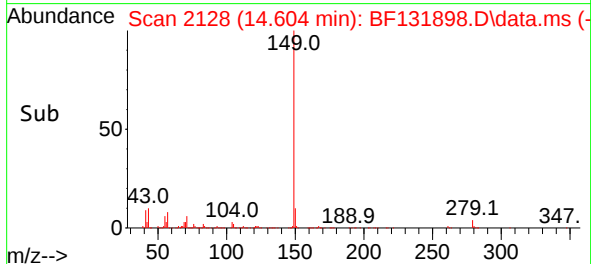
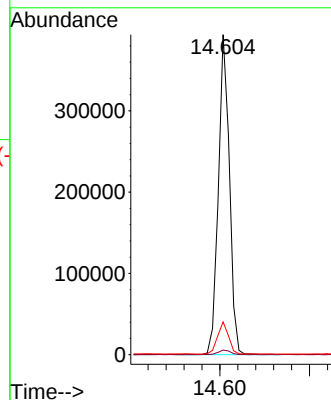
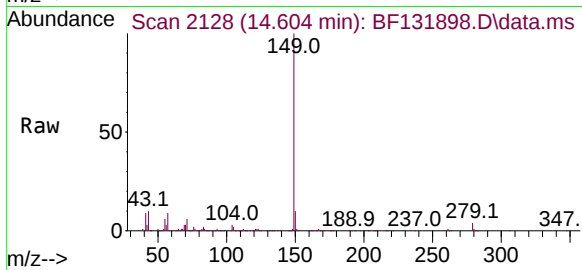
Tgt Ion:149 Resp: 335961

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 9.9 8.1 12.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. -0.000 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

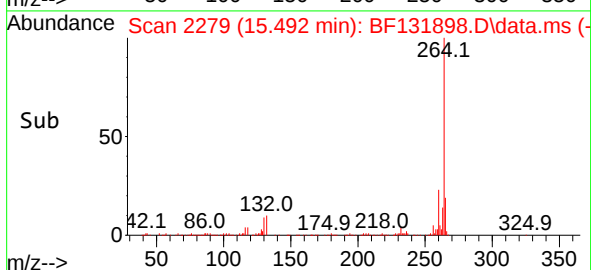
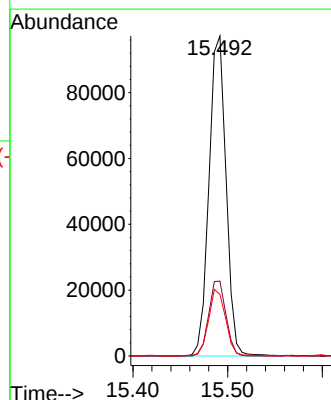
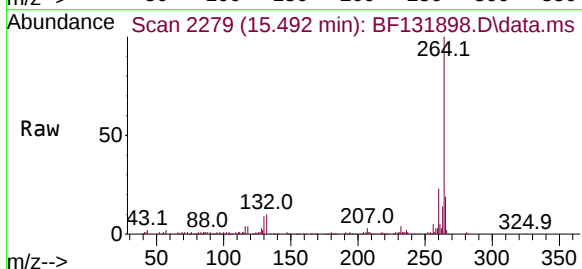
Tgt Ion:264 Resp: 121576

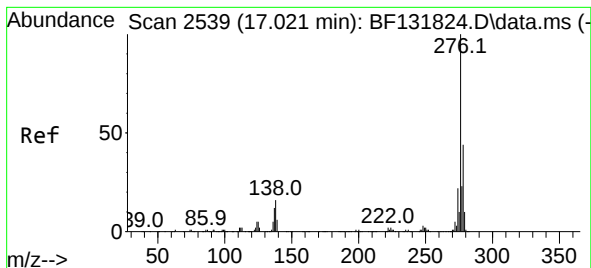
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 19.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.730 ng

RT: 16.980 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

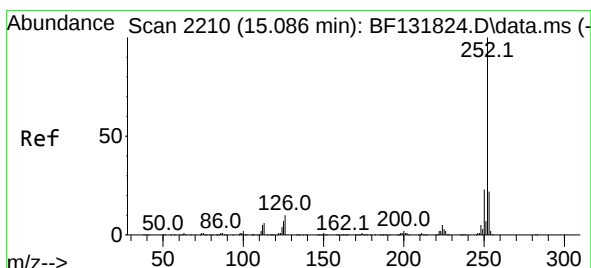
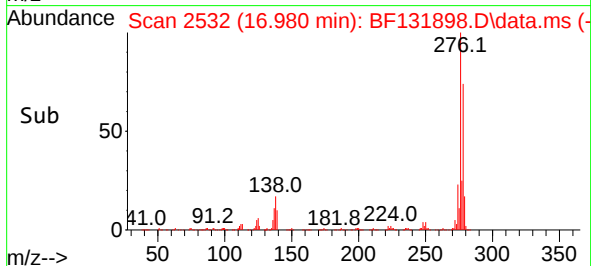
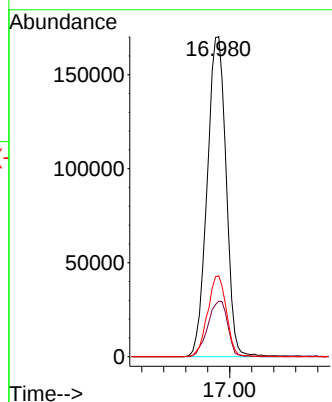
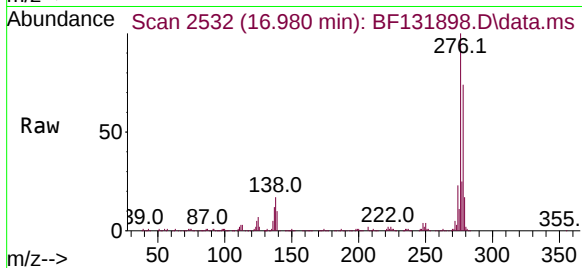
Tgt Ion:276 Resp: 407276

Ion Ratio Lower Upper

276 100

138 18.3 14.5 21.7

277 25.1 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 39.993 ng

RT: 15.062 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

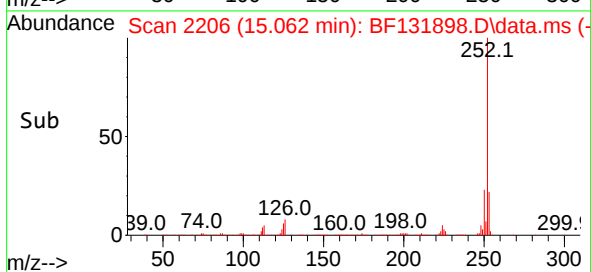
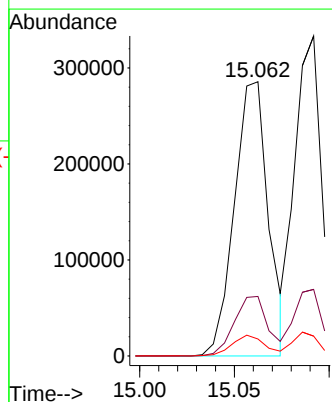
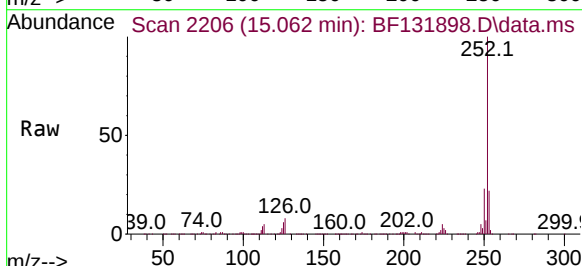
Tgt Ion:252 Resp: 356519

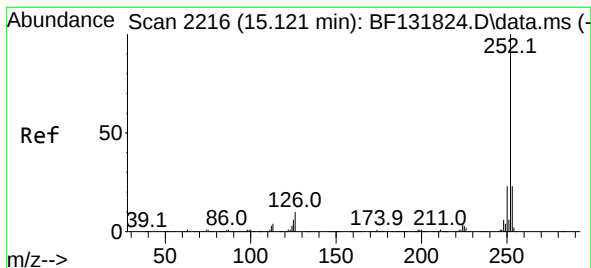
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 6.2 5.8 8.8





#89

Benzo(k)fluoranthene

Concen: 38.530 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

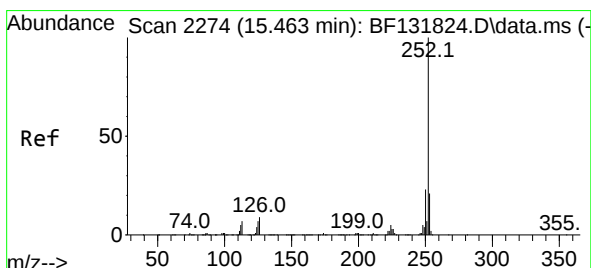
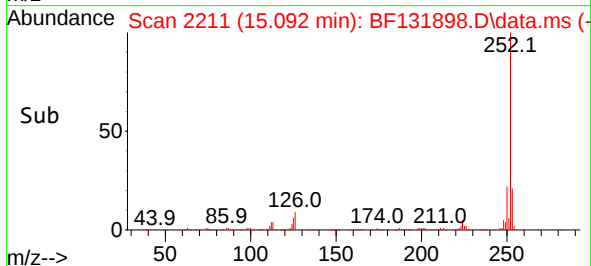
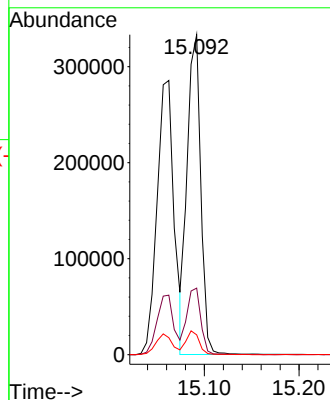
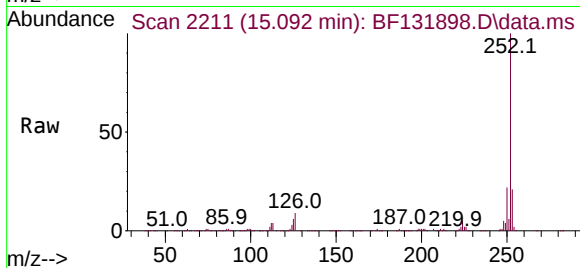
Tgt Ion:252 Resp: 331871

Ion Ratio Lower Upper

252 100

253 20.8 17.7 26.5

125 6.2 5.4 8.0



#90

Benzo(a)pyrene

Concen: 45.524 ng

RT: 15.427 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

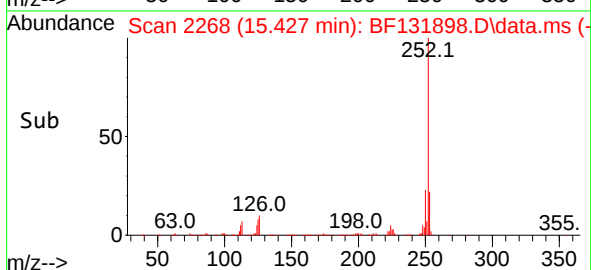
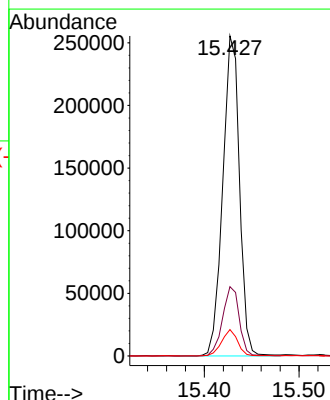
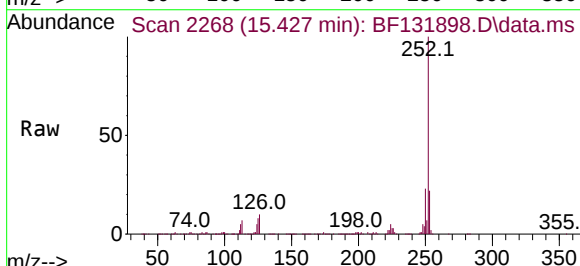
Tgt Ion:252 Resp: 314187

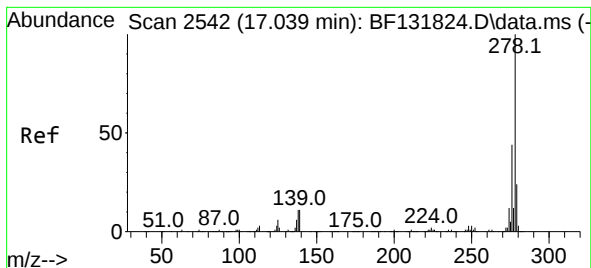
Ion Ratio Lower Upper

252 100

253 21.6 16.6 24.8

125 8.3 5.8 8.8





#91

Dibenzo(a,h)anthracene

Concen: 54.045 ng

RT: 16.992 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Instrument :

BNA_F

ClientSampleId :

MM-4MSD

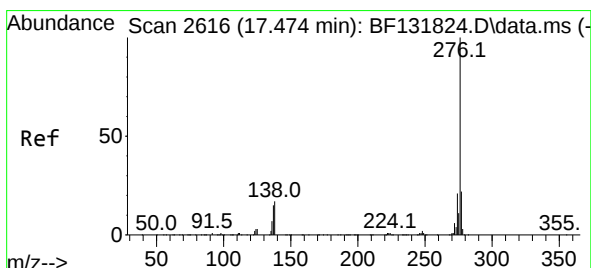
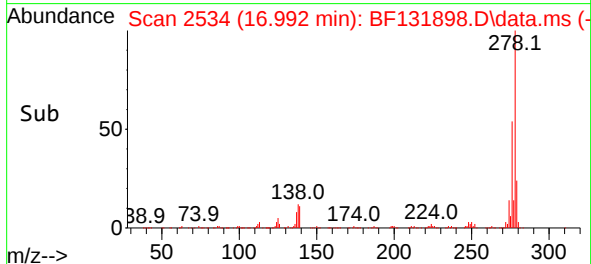
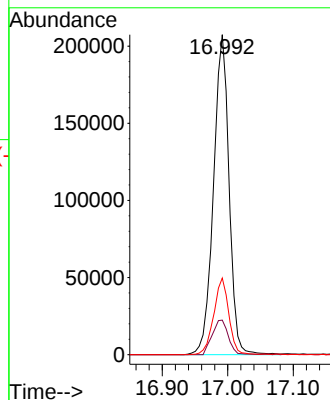
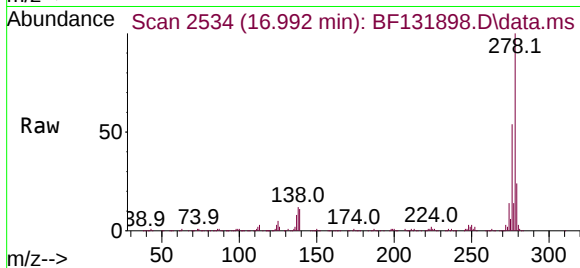
Tgt Ion:278 Resp: 341930

Ion Ratio Lower Upper

278 100

139 10.8 8.6 12.8

279 23.9 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 45.293 ng

RT: 17.427 min Scan# 2608

Delta R.T. -0.000 min

Lab File: BF131898.D

Acq: 04 Jan 2023 14:35

Tgt Ion:276 Resp: 336449

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 15.7 13.7 20.5

