

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
 Data File : BF133372.D
 Acq On : 12 May 2023 16:39
 Operator : CG\JU
 Sample : 02760-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-2-051123MS

Quant Time: May 12 17:00:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	181958	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	721408	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	340922	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	516527	20.000	ng	0.00
76) Chrysene-d12	13.880	240	334389	20.000	ng	# 0.00
86) Perylene-d12	15.304	264	281812	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1172960	97.379	ng	0.00
7) Phenol-d6	6.369	99	1397644	93.483	ng	0.00
23) Nitrobenzene-d5	7.287	82	854324	63.922	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	284515	82.982	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1440801	70.704	ng	0.00
79) Terphenyl-d14	12.833	244	1312142	67.676	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.381	88	241746	43.269	ng	97
3) Pyridine	3.075	79	633371	42.682	ng	97
4) n-Nitrosodimethylamine	3.040	42	349465	45.467	ng	99
6) Aniline	6.387	93	822764	42.727	ng	# 43
8) 2-Chlorophenol	6.510	128	665903	54.449	ng	96
9) Benzaldehyde	6.269	77	456476	Below Cal		98
10) Phenol	6.387	94	793713	48.123	ng	# 71
11) bis(2-Chloroethyl)ether	6.457	93	625030	50.500	ng	99
12) 1,3-Dichlorobenzene	6.663	146	701967	53.986	ng	98
13) 1,4-Dichlorobenzene	6.740	146	700485	53.753	ng	98
14) 1,2-Dichlorobenzene	6.893	146	666607	55.485	ng	97
15) Benzyl Alcohol	6.875	79	554468	53.689	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.004	45	988711	45.993	ng	90
17) 2-Methylphenol	6.993	107	537853	48.028	ng	96
18) Hexachloroethane	7.234	117	239110	52.776	ng	95
19) n-Nitroso-di-n-propyla...	7.145	70	417996	44.909	ng	94
20) 3+4-Methylphenols	7.145	107	655421	49.697	ng	# 71
22) Acetophenone	7.134	105	903645	54.074	ng	# 93
24) Nitrobenzene	7.310	77	667846	49.312	ng	99
25) Isophorone	7.551	82	1248555	49.203	ng	99
26) 2-Nitrophenol	7.628	139	367944	56.327	ng	91
27) 2,4-Dimethylphenol	7.675	122	588905	52.576	ng	98
28) bis(2-Chloroethoxy)met...	7.763	93	754791	50.279	ng	100
29) 2,4-Dichlorophenol	7.875	162	535295	52.496	ng	97
30) 1,2,4-Trichlorobenzene	7.951	180	548109	51.885	ng	99
31) Naphthalene	8.034	128	1806207	50.078	ng	99
32) Benzoic acid	7.810	122	320942	46.387	ng	98
33) 4-Chloroaniline	8.081	127	538608	36.959	ng	99
34) Hexachlorobutadiene	8.145	225	298200	50.931	ng	99
35) Caprolactam	8.463	113	182213	53.193	ng	97
36) 4-Chloro-3-methylphenol	8.575	107	542079	49.298	ng	95
37) 2-Methylnaphthalene	8.722	142	1180256	47.863	ng	98
38) 1-Methylnaphthalene	8.822	142	1097328	47.569	ng	100
40) 1,2,4,5-Tetrachloroben...	8.887	216	488697	53.314	ng	98
41) Hexachlorocyclopentadiene	8.875	237	103304	19.324	ng	99
43) 2,4,6-Trichlorophenol	9.004	196	335707	52.957	ng	99

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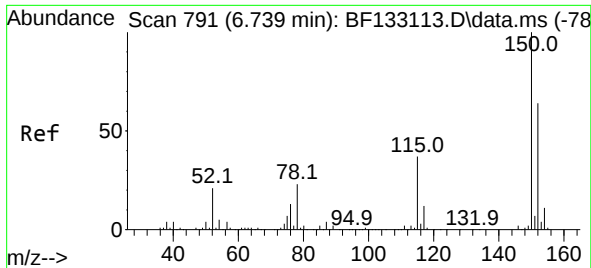
Quant Time: May 12 17:00:32 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.051	196	353190	48.174	ng	98
46) 1,1'-Biphenyl	9.187	154	1414995	52.342	ng	99
47) 2-Chloronaphthalene	9.210	162	1034230	52.269	ng	100
48) 2-Nitroaniline	9.310	65	335572	51.315	ng	96
49) Acenaphthylene	9.622	152	1549974	49.025	ng	100
50) Dimethylphthalate	9.486	163	1232145	51.832	ng	100
51) 2,6-Dinitrotoluene	9.551	165	274228	51.254	ng	91
52) Acenaphthene	9.798	154	955668	45.132	ng	99
53) 3-Nitroaniline	9.722	138	292881	46.038	ng	92
54) 2,4-Dinitrophenol	9.828	184	95263	35.422	ng	97
55) Dibenzofuran	9.969	168	1361269	47.127	ng	100
56) 4-Nitrophenol	9.892	139	417477	84.727	ng	91
57) 2,4-Dinitrotoluene	9.957	165	331777	48.624	ng	# 89
58) Fluorene	10.310	166	993009	46.924	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.092	232	264283	46.497	ng	# 95
60) Diethylphthalate	10.186	149	1108268	49.357	ng	99
61) 4-Chlorophenyl-phenyle...	10.298	204	490766	47.588	ng	93
62) 4-Nitroaniline	10.334	138	263855	45.126	ng	95
63) Azobenzene	10.463	77	1082280	45.500	ng	95
65) 4,6-Dinitro-2-methylph...	10.363	198	77083	24.621	ng	80
66) n-Nitrosodiphenylamine	10.422	169	914538	54.584	ng	98
67) 4-Bromophenyl-phenylether	10.792	248	294854	52.633	ng	99
68) Hexachlorobenzene	10.863	284	300941	52.426	ng	95
69) Atrazine	10.951	200	307443	63.682	ng	98
70) Pentachlorophenol	11.057	266	330278	80.787	ng	98
71) Phenanthrene	11.269	178	1471214	52.994	ng	99
72) Anthracene	11.322	178	1434801	50.501	ng	99
73) Carbazole	11.475	167	1275444	50.417	ng	98
74) Di-n-butylphthalate	11.810	149	1558472	54.437	ng	99
75) Fluoranthene	12.457	202	1420275	50.975	ng	100
77) Benzidine	12.604	184	764228	135.149	ng	# 93
78) Pyrene	12.692	202	1588215	55.406	ng	99
80) Butylbenzylphthalate	13.304	149	639966	63.054	ng	97
81) Benzo(a)anthracene	13.874	228	1244543	54.123	ng	99
82) 3,3'-Dichlorobenzidine	13.839	252	334771	52.700	ng	100
83) Chrysene	13.910	228	1169632	50.877	ng	100
84) Bis(2-ethylhexyl)phtha...	13.863	149	789380	61.963	ng	# 99
85) Di-n-octyl phthalate	14.474	149	1397364	67.270	ng	95
87) Indeno(1,2,3-cd)pyrene	16.692	276	871824	54.387	ng	99
88) Benzo(b)fluoranthene	14.927	252	958197	53.445	ng	98
89) Benzo(k)fluoranthene	14.927	252	958197	53.915	ng	98
90) Benzo(a)pyrene	15.245	252	822653	50.412	ng	98
91) Dibenzo(a,h)anthracene	16.704	278	719949	53.849	ng	99
92) Benzo(g,h,i)perylene	17.110	276	707368	53.591	ng	98

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

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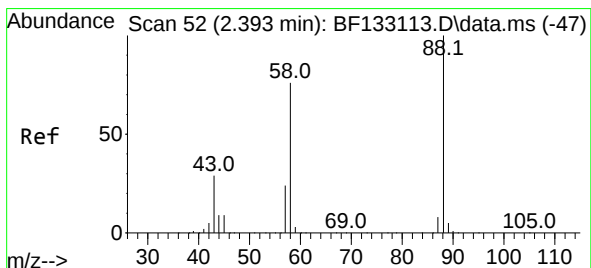
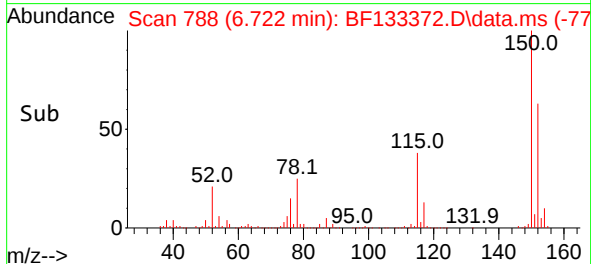
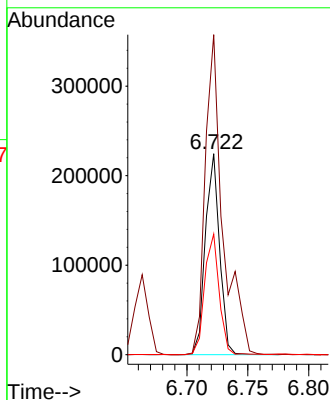
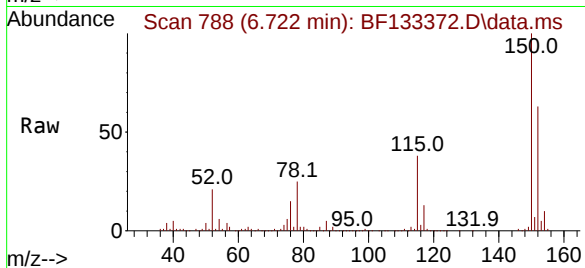




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF133372.D
 Acq: 12 May 2023 16:39

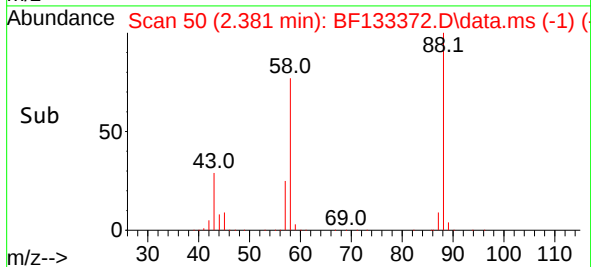
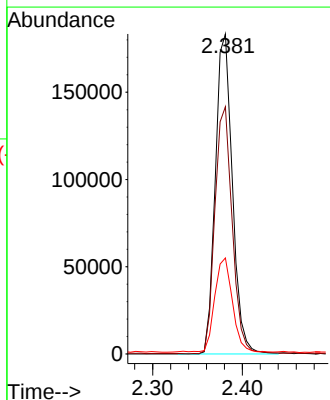
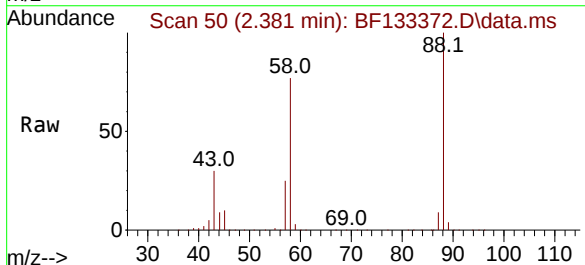
Instrument :
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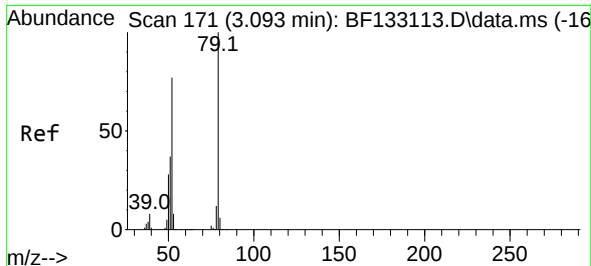
Tgt Ion:152 Resp: 181958
 Ion Ratio Lower Upper
 152 100
 150 159.3 124.8 187.2
 115 60.1 49.9 74.9



#2
 1,4-Dioxane
 Concen: 43.269 ng
 RT: 2.381 min Scan# 50
 Delta R.T. 0.018 min
 Lab File: BF133372.D
 Acq: 12 May 2023 16:39

Tgt Ion: 88 Resp: 241746
 Ion Ratio Lower Upper
 88 100
 58 79.0 64.7 97.1
 43 30.4 26.2 39.2

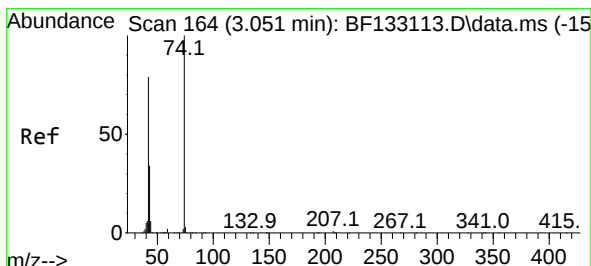
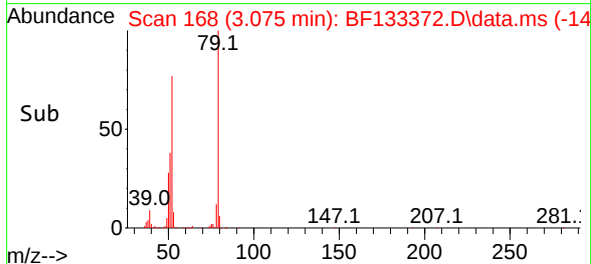
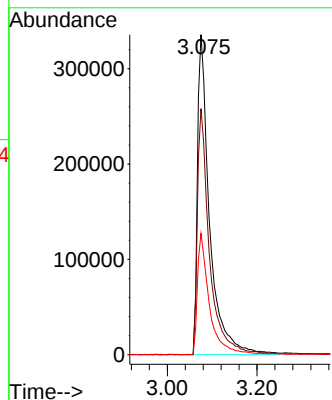
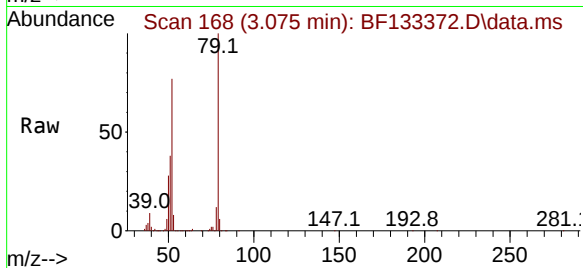




#3
Pyridine
Concen: 42.682 ng
RT: 3.075 min Scan# 10
Delta R.T. 0.018 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

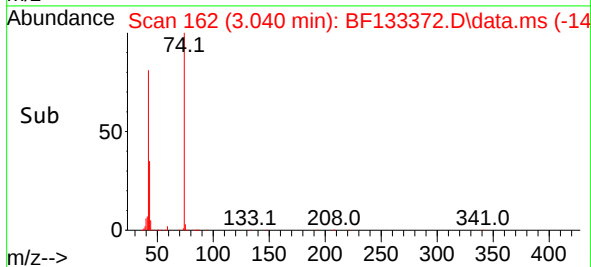
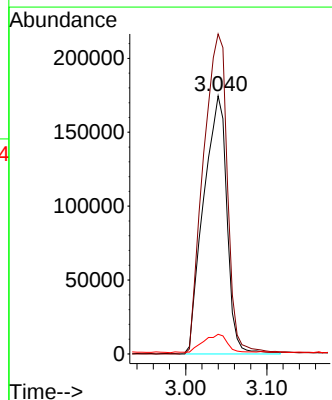
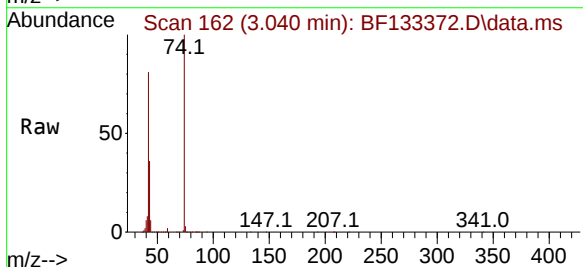
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

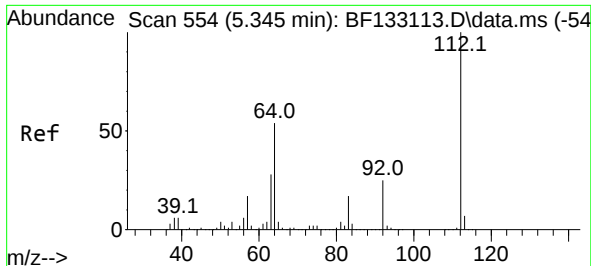
Tgt Ion: 79 Resp: 633371
Ion Ratio Lower Upper
79 100
52 76.9 64.6 96.8
51 37.9 30.0 45.0



#4
n-Nitrosodimethylamine
Concen: 45.467 ng
RT: 3.040 min Scan# 162
Delta R.T. 0.018 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion: 42 Resp: 349465
Ion Ratio Lower Upper
42 100
74 124.0 98.0 147.0
44 7.6 5.8 8.8

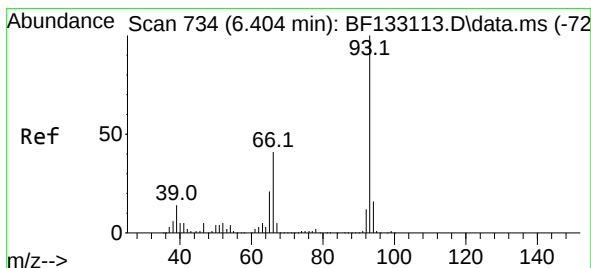
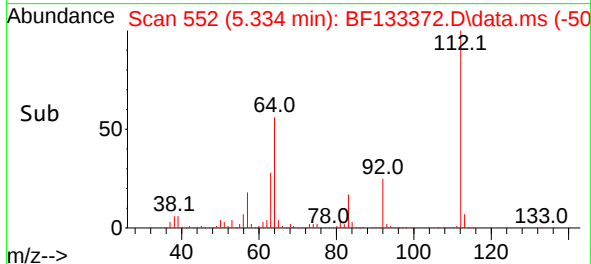
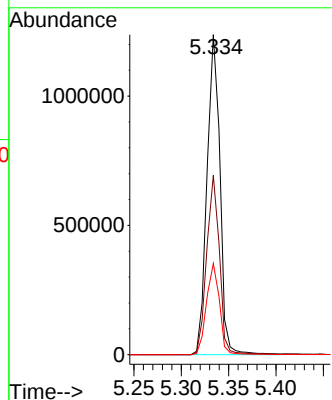
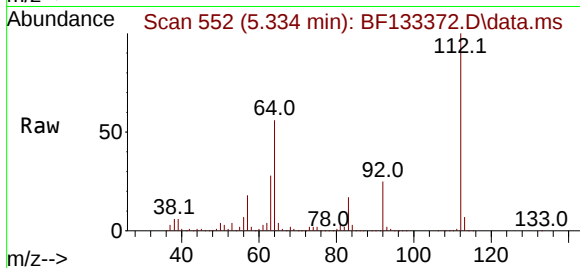




#5
2-Fluorophenol
Concen: 97.379 ng
RT: 5.334 min Scan# 511
Delta R.T. 0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

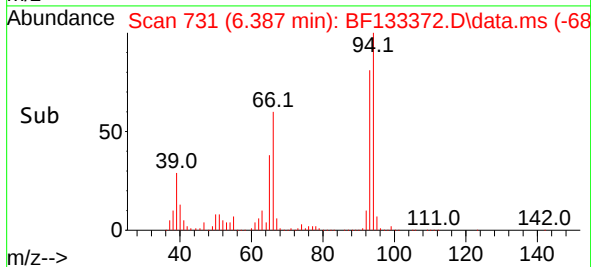
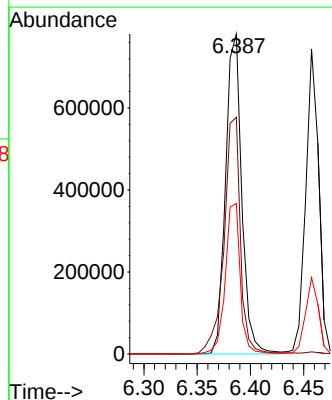
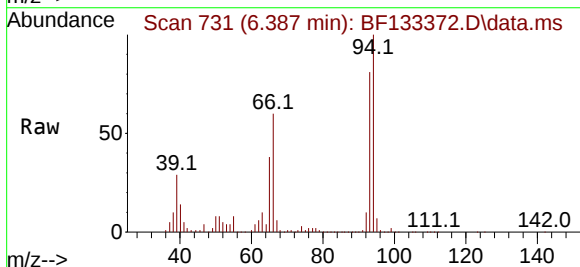
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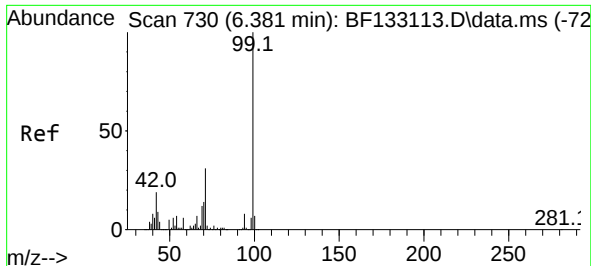
Tgt Ion:112 Resp: 1172960
Ion Ratio Lower Upper
112 100
64 56.1 46.8 70.2
63 28.4 23.8 35.8



#6
Aniline
Concen: 42.727 ng
RT: 6.387 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion: 93 Resp: 822764
Ion Ratio Lower Upper
93 100
66 73.9 31.5 47.3#
65 47.0 16.4 24.6#





#7

Phenol-d6

Concen: 93.483 ng

RT: 6.369 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

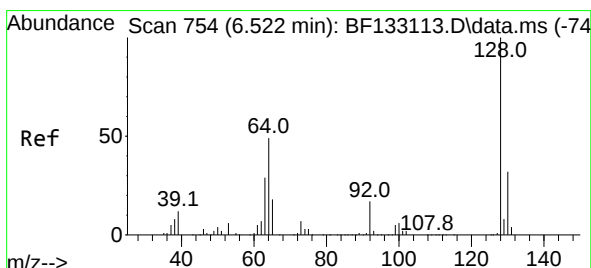
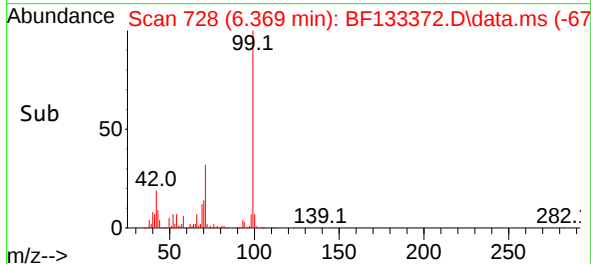
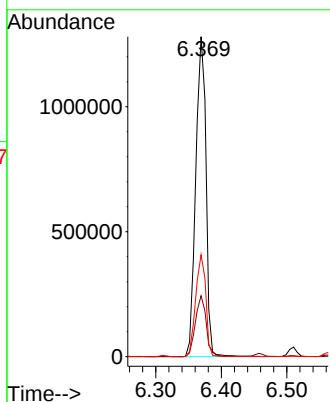
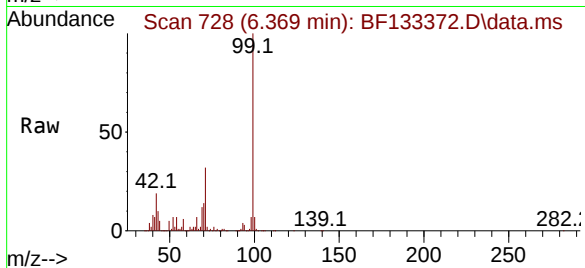
BNA_F

ClientSampleId :

HR-2-051123MS

Tgt Ion: 99 Resp: 1397644

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.3	24.5
71	31.9	25.6	38.4



#8

2-Chlorophenol

Concen: 54.449 ng

RT: 6.510 min Scan# 752

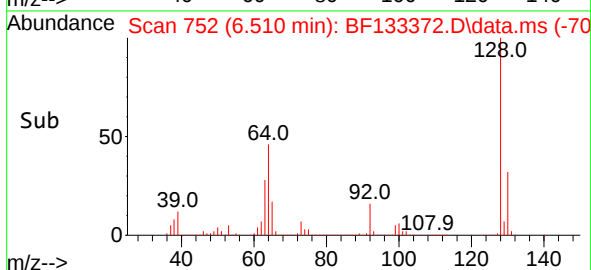
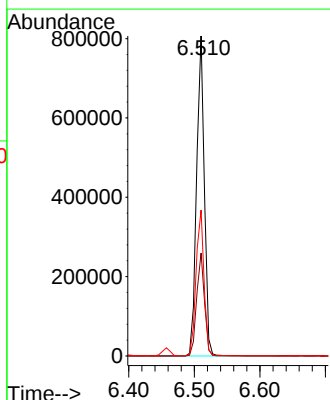
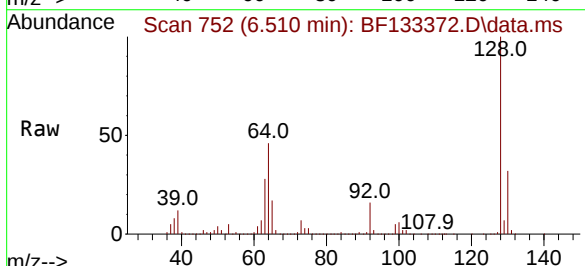
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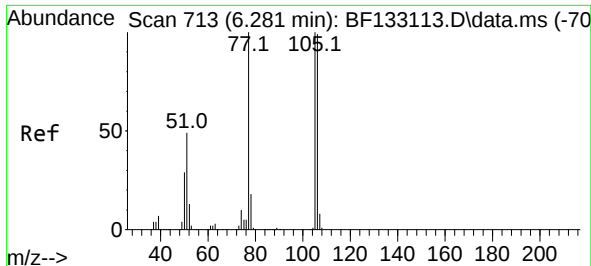
Lab File: BF133372.D

Acq: 12 May 2023 16:39

Tgt Ion:128 Resp: 665903

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.2	52.2
64	45.6	30.3	70.3

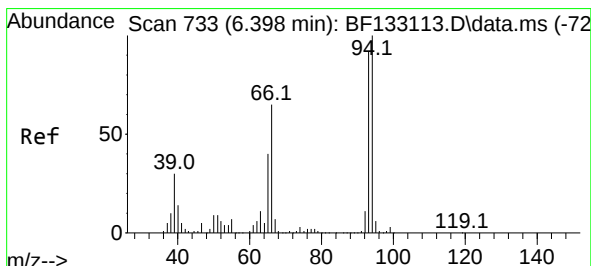
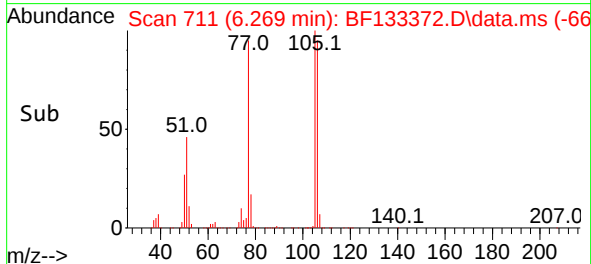
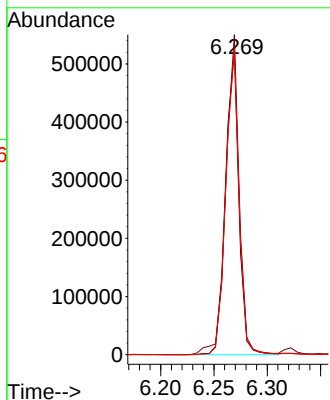
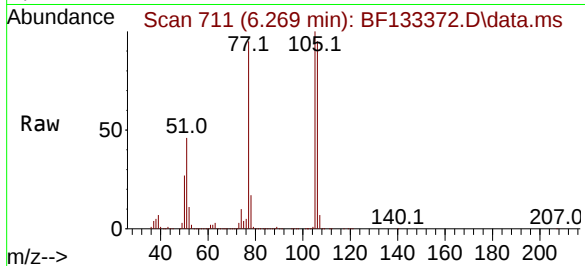




#9
Benzaldehyde
Concen: Below Cal
RT: 6.269 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

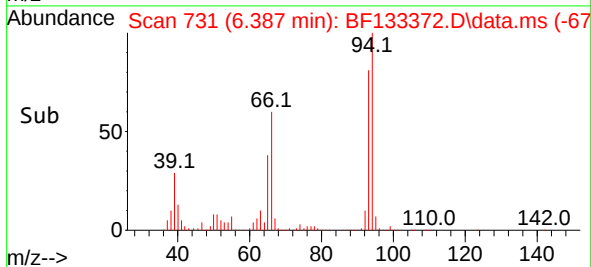
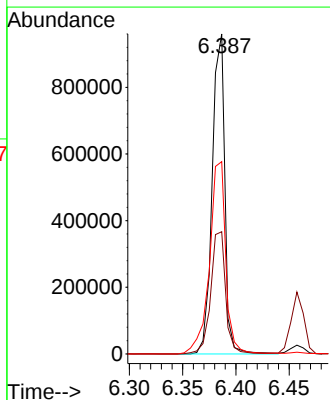
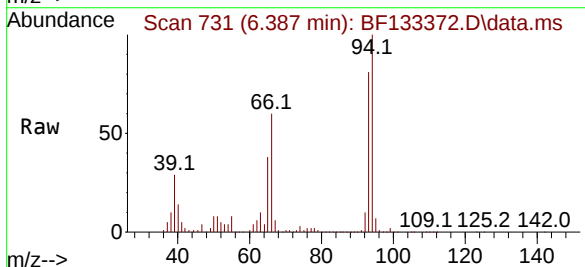
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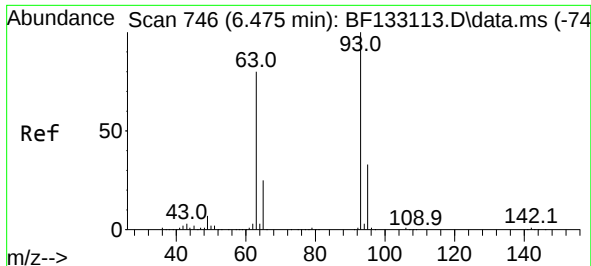
Tgt Ion: 77 Resp: 456476
Ion Ratio Lower Upper
77 100
105 105.0 82.3 122.3
106 100.0 80.8 120.8



#10
Phenol
Concen: 48.123 ng
RT: 6.387 min Scan# 731
Delta R.T. 0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion: 94 Resp: 793713
Ion Ratio Lower Upper
94 100
65 38.2 8.6 48.6
66 60.1 17.3 57.3#





#11

bis(2-Chloroethyl)ether

Concen: 50.500 ng

RT: 6.457 min Scan# 746

Delta R.T. -0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

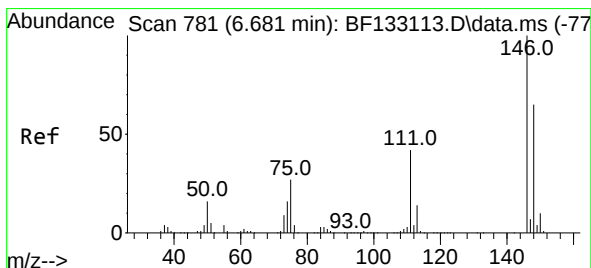
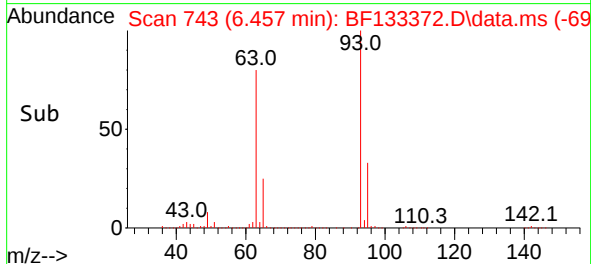
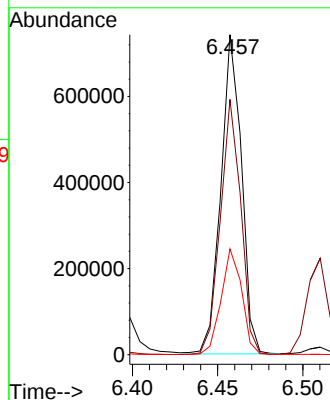
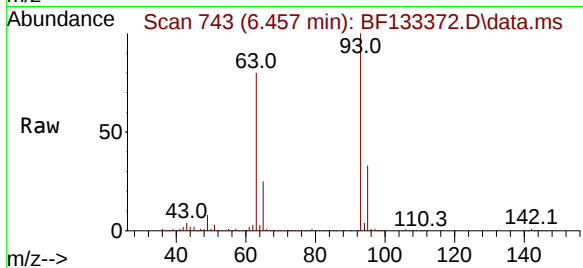
Tgt Ion: 93 Resp: 625030

Ion Ratio Lower Upper

93 100

63 79.8 60.6 100.6

95 33.1 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 53.986 ng

RT: 6.663 min Scan# 778

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

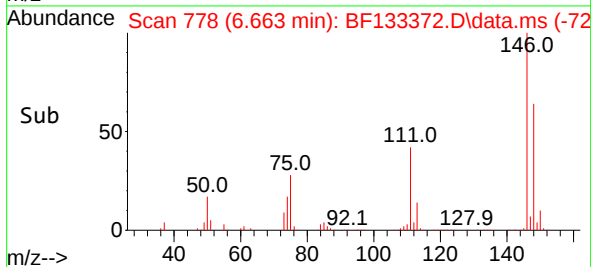
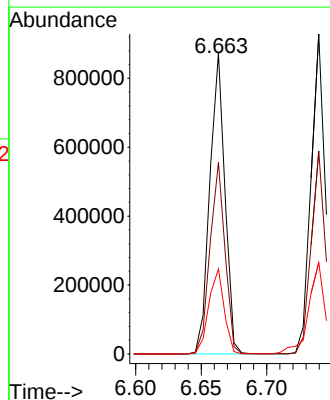
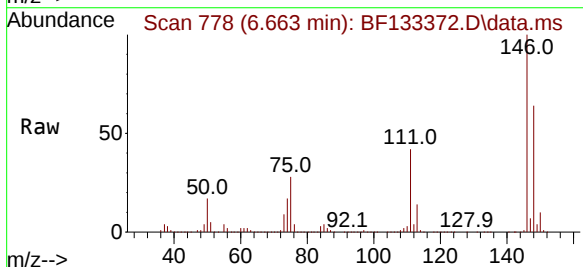
Tgt Ion:146 Resp: 701967

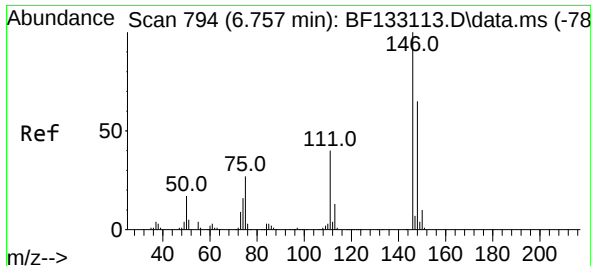
Ion Ratio Lower Upper

146 100

148 63.7 51.0 76.4

75 28.2 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 53.753 ng

RT: 6.740 min Scan# 794

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

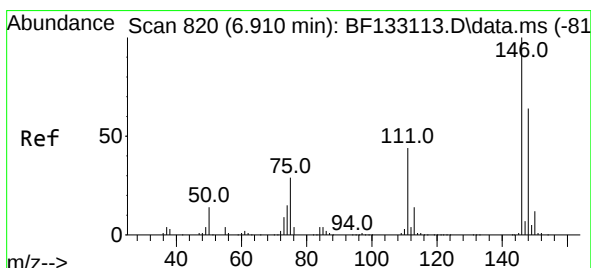
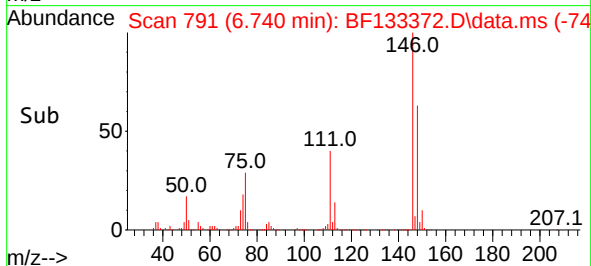
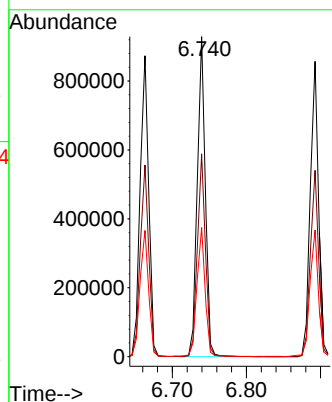
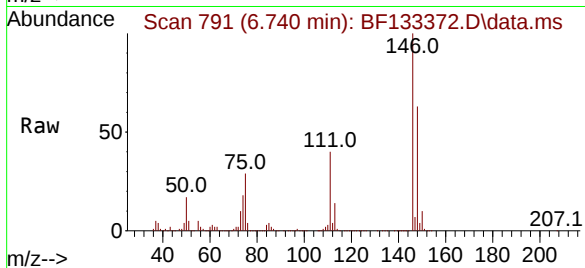
Tgt Ion:146 Resp: 700485

Ion Ratio Lower Upper

146 100

148 63.4 50.3 75.5

111 40.3 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 55.485 ng

RT: 6.893 min Scan# 817

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

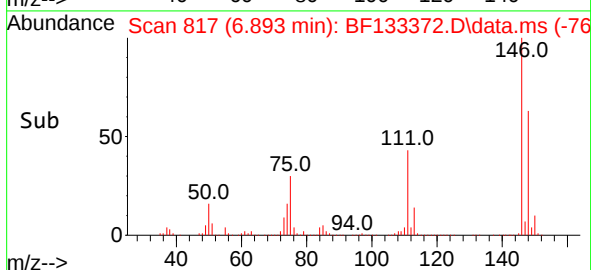
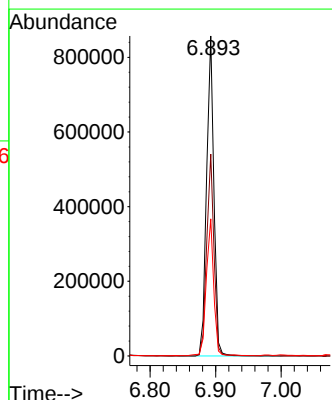
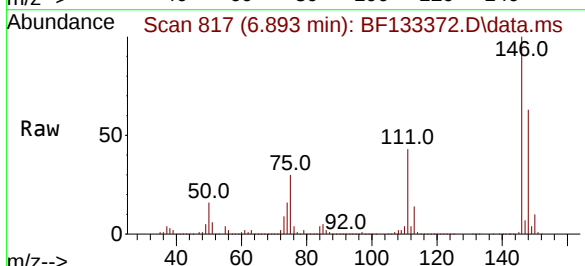
Tgt Ion:146 Resp: 666607

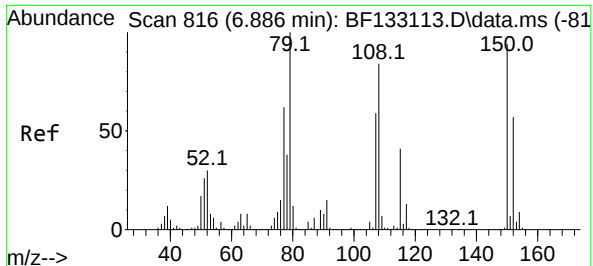
Ion Ratio Lower Upper

146 100

148 63.1 52.2 78.2

111 42.8 32.8 49.2

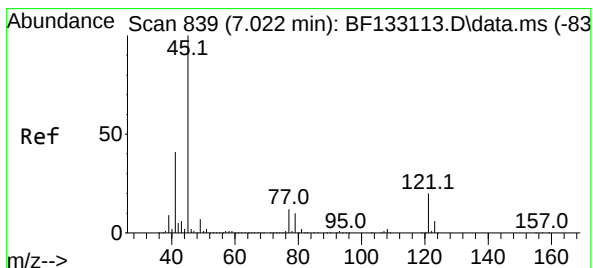
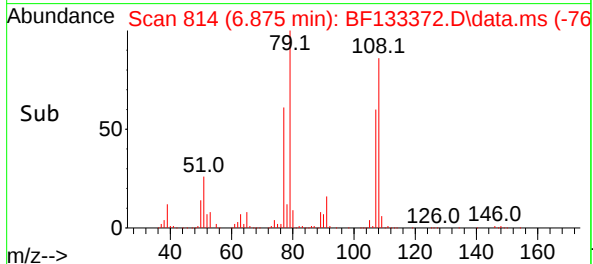
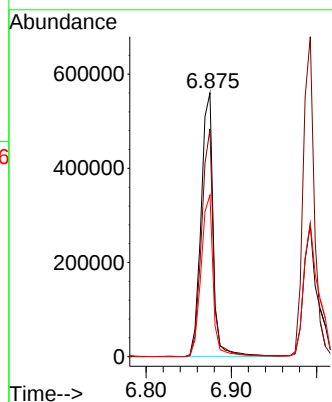
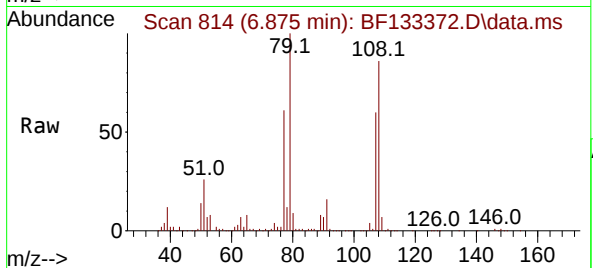




#15
Benzyl Alcohol
Concen: 53.689 ng
RT: 6.875 min Scan# 816
Delta R.T. 0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

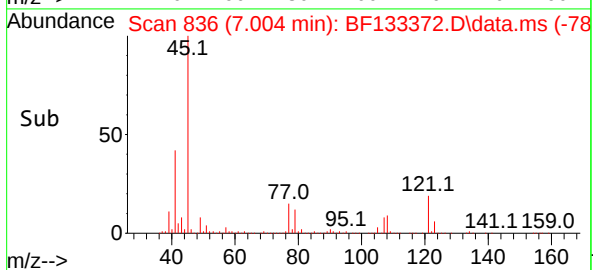
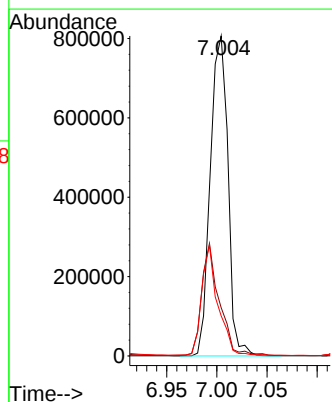
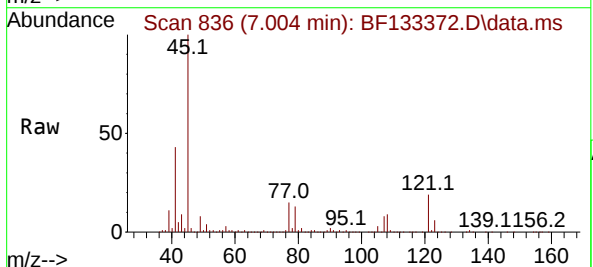
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

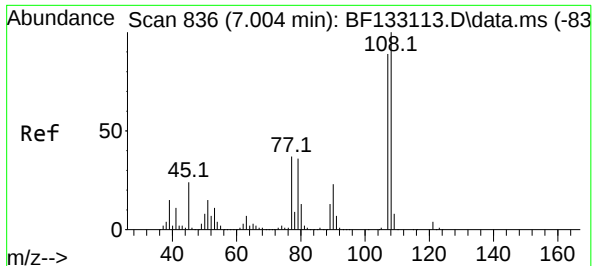
Tgt Ion: 79 Resp: 554468
Ion Ratio Lower Upper
79 100
108 86.3 66.6 99.8
77 61.3 49.2 73.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.993 ng
RT: 7.004 min Scan# 836
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion: 45 Resp: 988711
Ion Ratio Lower Upper
45 100
77 15.1 0.0 31.5
79 12.5 0.0 28.7

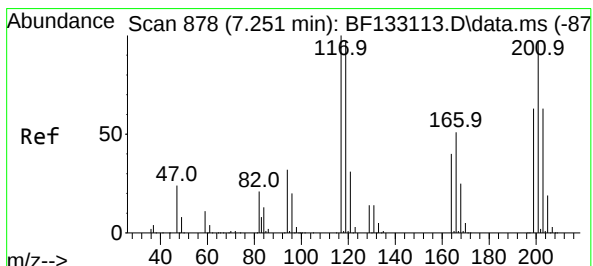
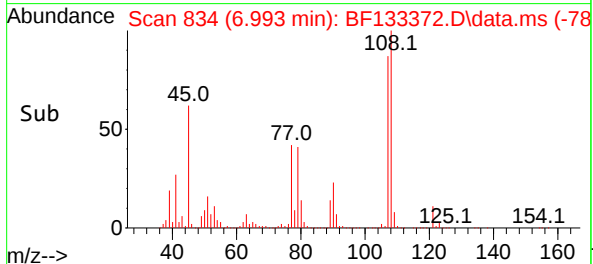
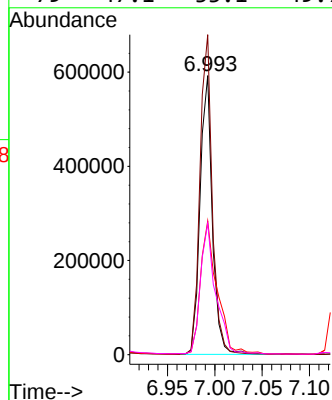
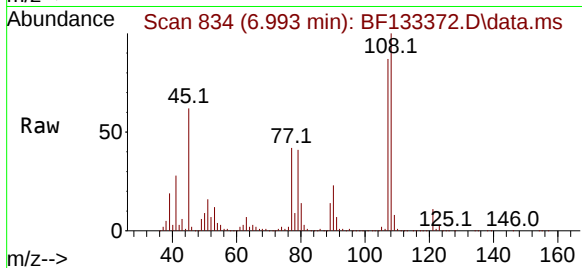




#17
2-Methylphenol
Concen: 48.028 ng
RT: 6.993 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

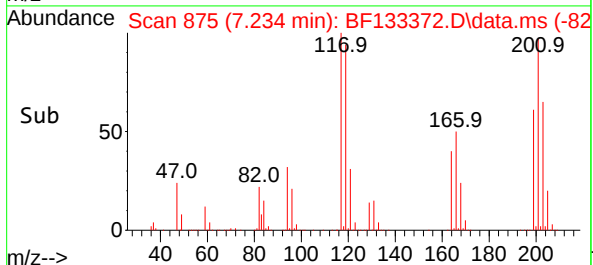
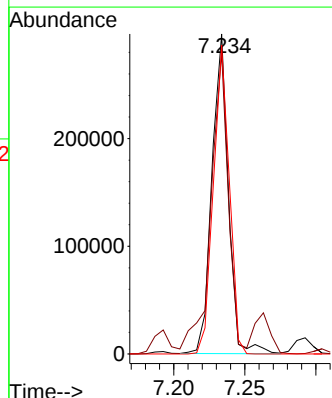
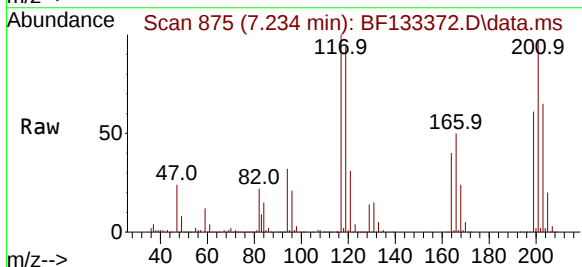
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

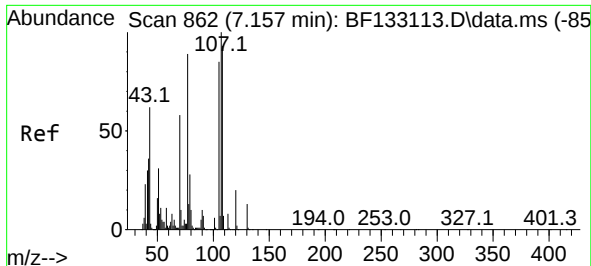
Tgt Ion:107 Resp: 537853
Ion Ratio Lower Upper
107 100
108 114.7 92.4 138.6
77 47.9 33.8 50.8
79 47.1 33.1 49.7



#18
Hexachloroethane
Concen: 52.776 ng
RT: 7.234 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion:117 Resp: 239110
Ion Ratio Lower Upper
117 100
119 94.0 78.2 117.4
201 96.6 81.7 122.5

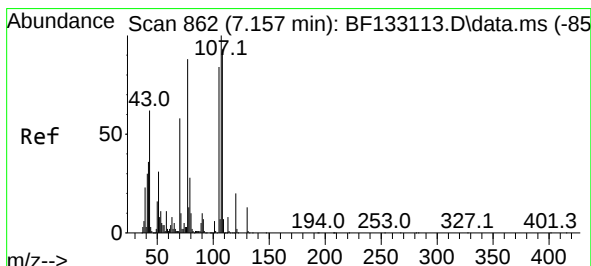
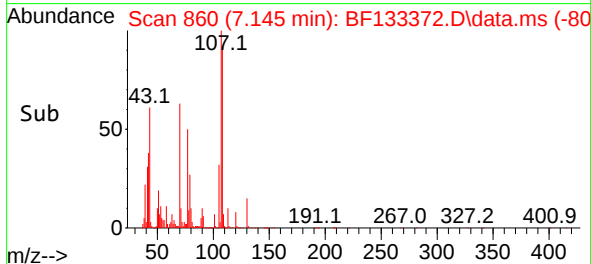
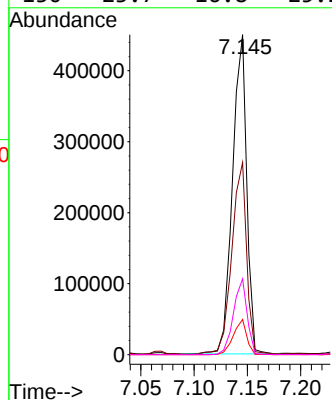
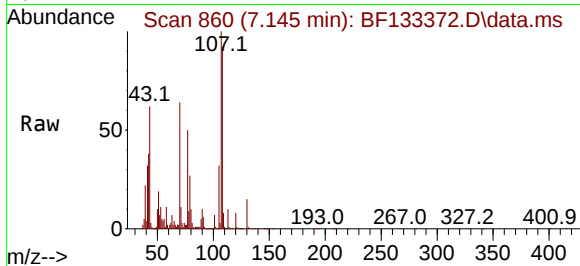




#19
n-Nitroso-di-n-propylamine
Concen: 44.909 ng
RT: 7.145 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

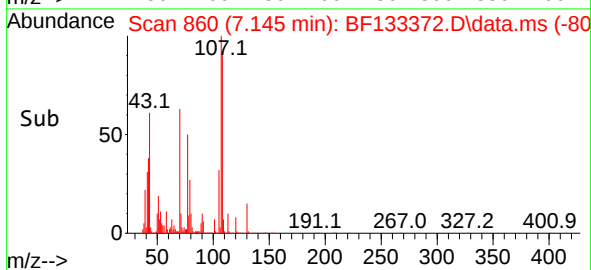
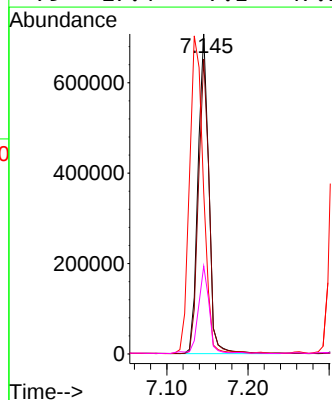
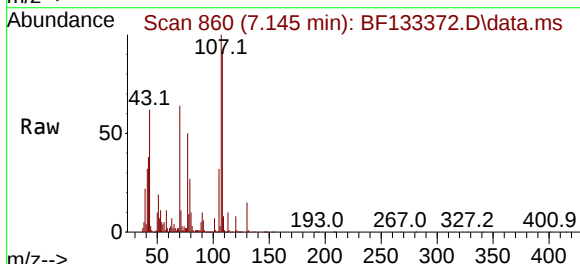
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

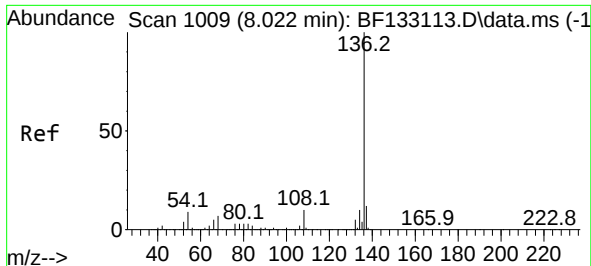
Tgt Ion: 70 Resp: 417996
Ion Ratio Lower Upper
70 100
42 60.1 51.8 77.6
101 11.0 8.0 12.0
130 23.7 16.8 25.2



#20
3+4-Methylphenols
Concen: 49.697 ng
RT: 7.145 min Scan# 860
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion: 107 Resp: 655421
Ion Ratio Lower Upper
107 100
108 92.1 70.5 110.5
77 50.5 91.7 131.7#
79 27.4 7.1 47.1

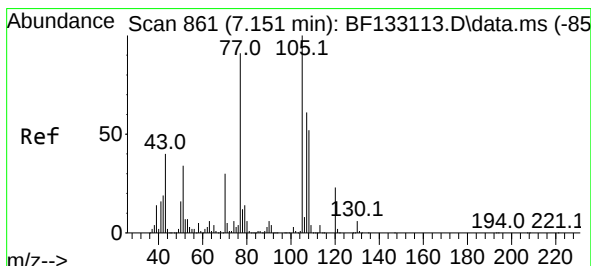
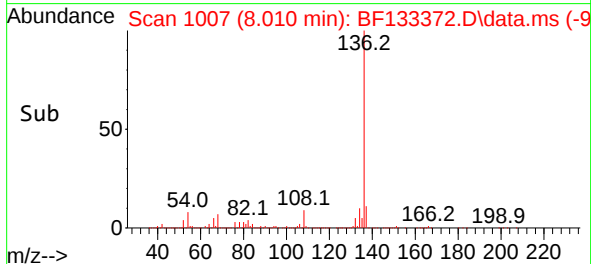
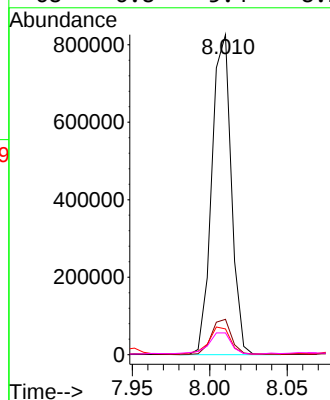
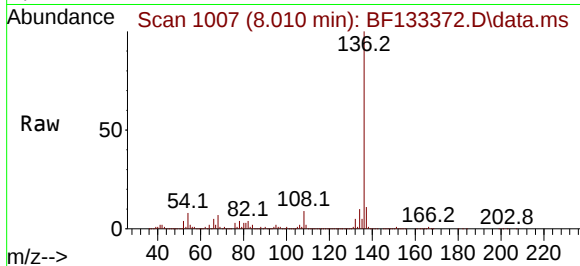




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

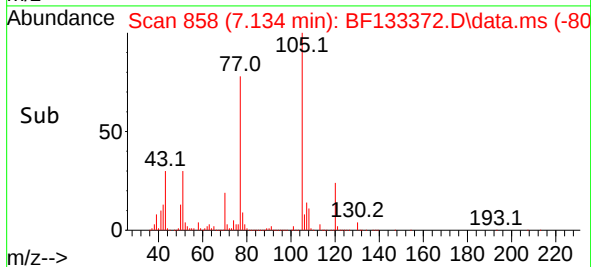
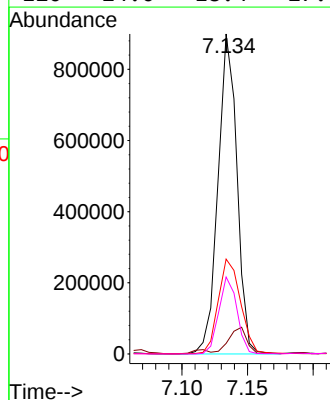
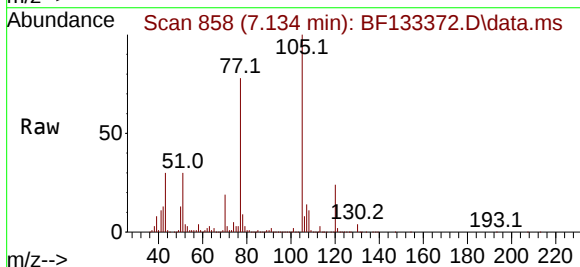
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

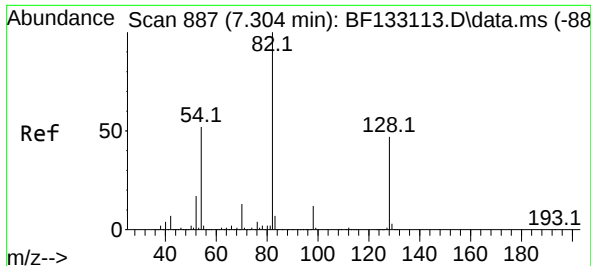
Tgt Ion:136 Resp: 721408
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.1 7.0 10.4
68 6.8 5.4 8.2



#22
Acetophenone
Concen: 54.074 ng
RT: 7.134 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion:105 Resp: 903645
Ion Ratio Lower Upper
105 100
71 3.3 4.6 7.0#
51 29.6 28.2 42.2
120 24.0 18.4 27.6





#23

Nitrobenzene-d5

Concen: 63.922 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

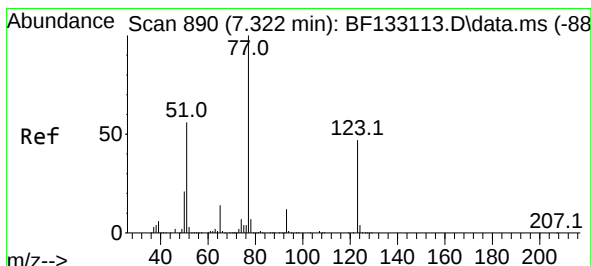
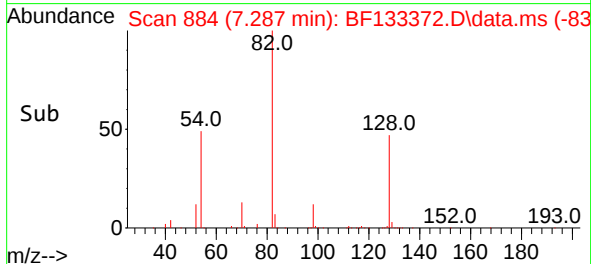
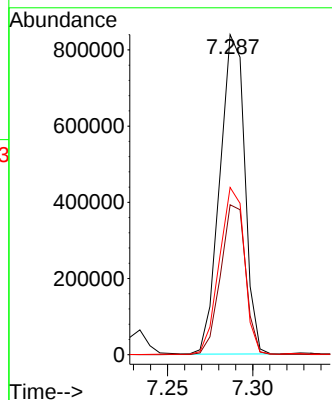
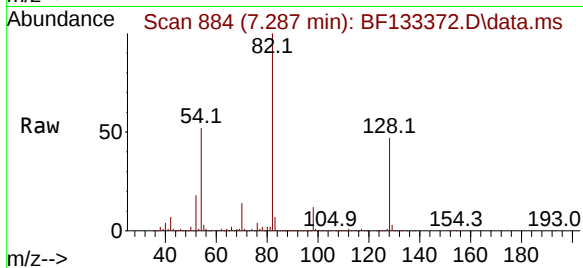
Tgt Ion: 82 Resp: 854324

Ion Ratio Lower Upper

82 100

128 46.9 37.7 56.5

54 52.2 43.0 64.4



#24

Nitrobenzene

Concen: 49.312 ng

RT: 7.310 min Scan# 888

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

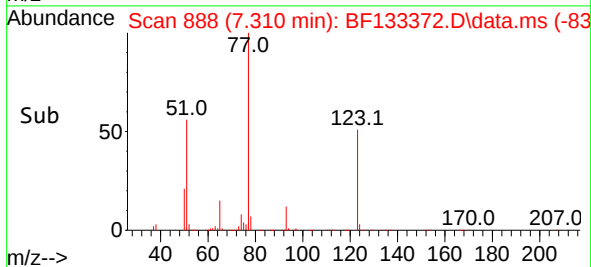
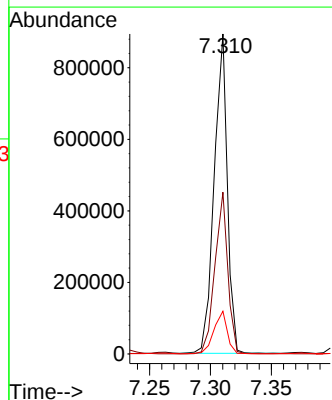
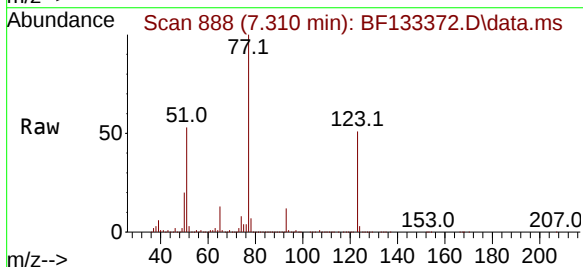
Tgt Ion: 77 Resp: 667846

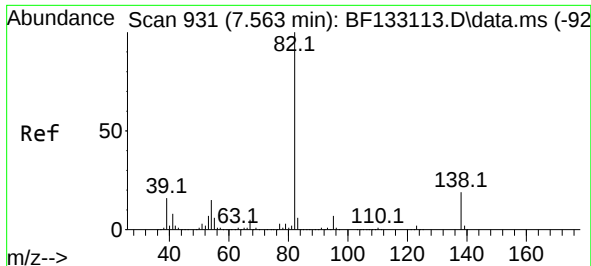
Ion Ratio Lower Upper

77 100

123 50.5 39.9 59.9

65 13.4 10.7 16.1

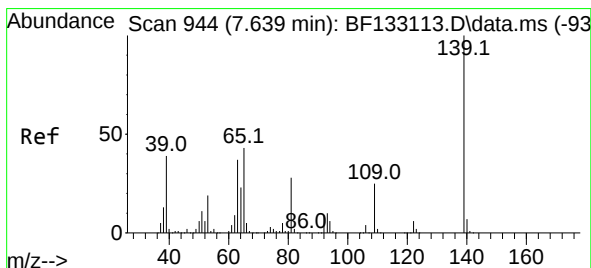
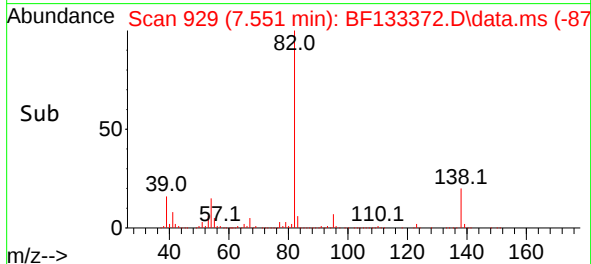
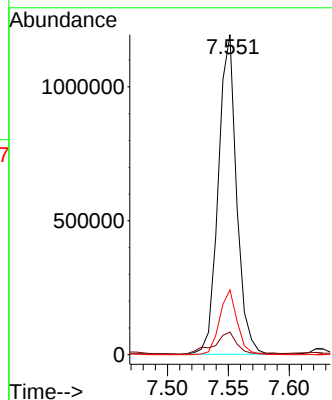
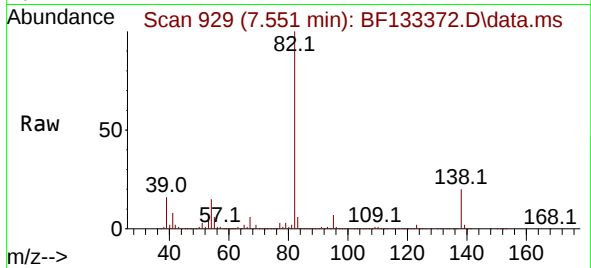




#25
Isophorone
Concen: 49.203 ng
RT: 7.551 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

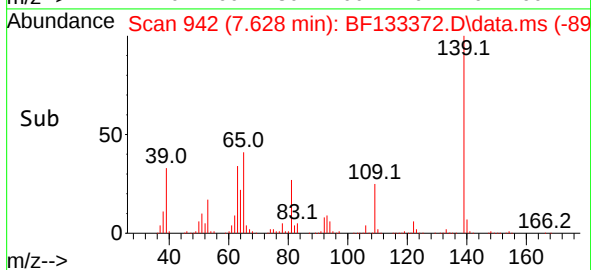
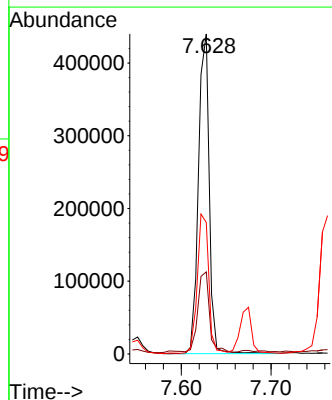
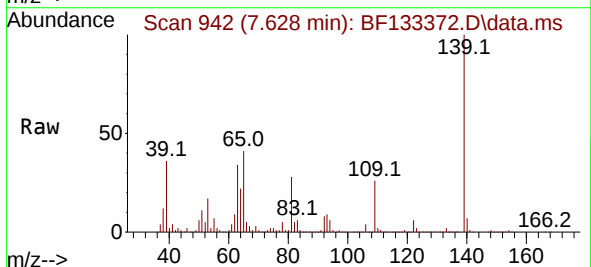
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

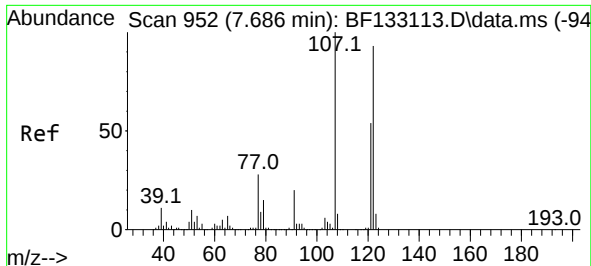
Tgt Ion: 82 Resp: 1248555
Ion Ratio Lower Upper
82 100
95 7.1 5.4 8.0
138 20.2 16.0 24.0



#26
2-Nitrophenol
Concen: 56.327 ng
RT: 7.628 min Scan# 942
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion: 139 Resp: 367944
Ion Ratio Lower Upper
139 100
109 25.7 21.6 32.4
65 41.1 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 52.576 ng

RT: 7.675 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

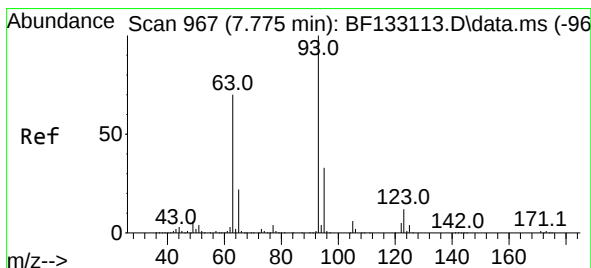
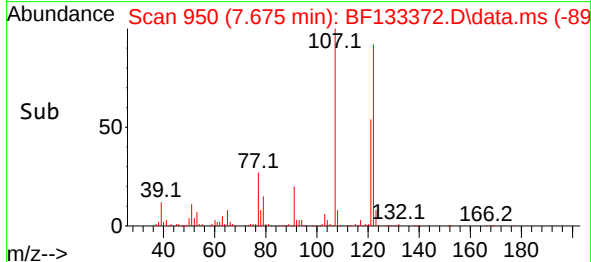
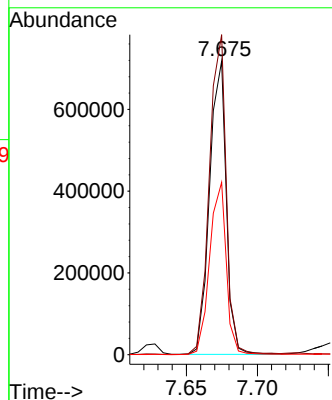
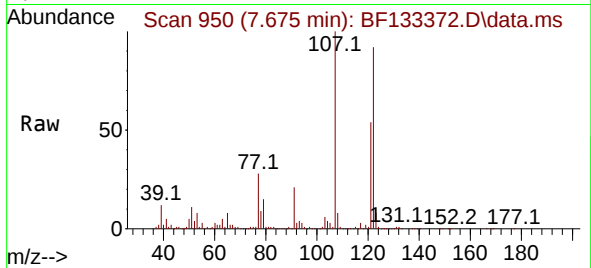
Tgt Ion:122 Resp: 588905

Ion Ratio Lower Upper

122 100

107 109.0 89.7 134.5

121 58.7 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 50.279 ng

RT: 7.763 min Scan# 965

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

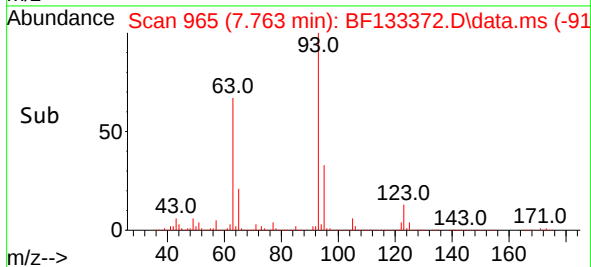
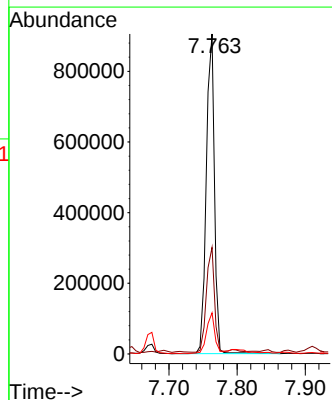
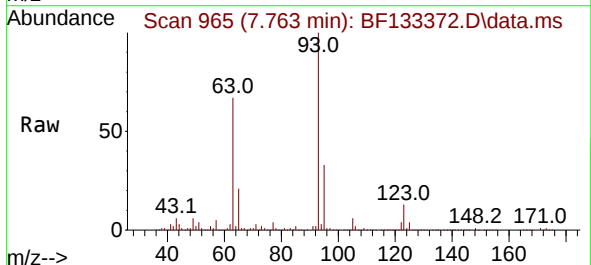
Tgt Ion: 93 Resp: 754791

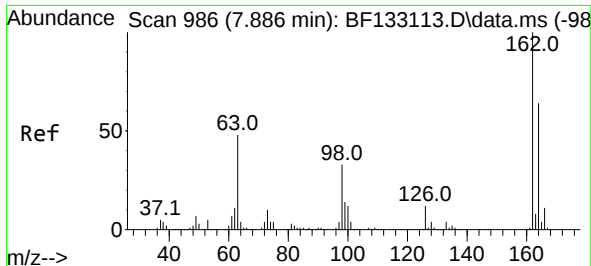
Ion Ratio Lower Upper

93 100

95 33.3 26.4 39.6

123 12.8 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 52.496 ng

RT: 7.875 min Scan# 984

Delta R.T. 0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

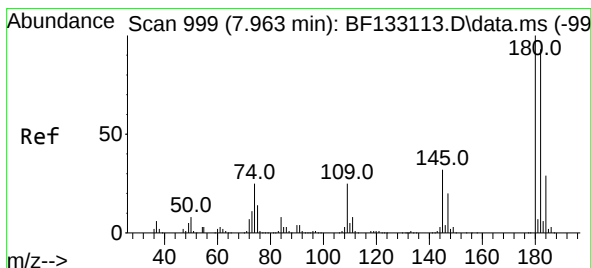
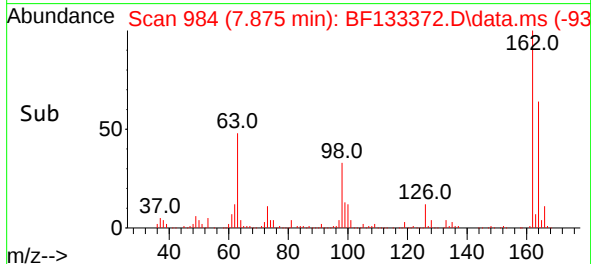
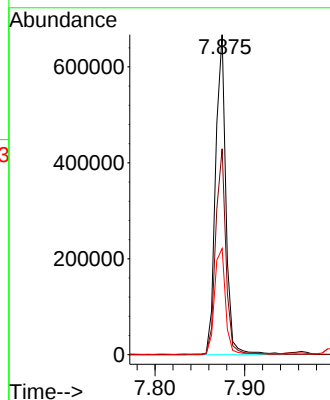
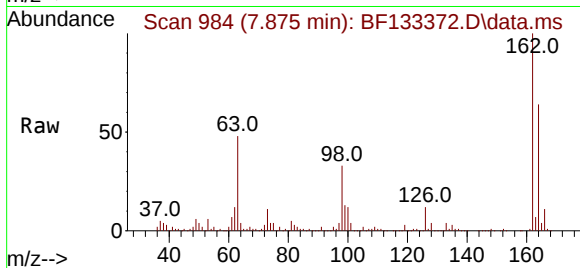
Tgt Ion:162 Resp: 535295

Ion Ratio Lower Upper

162 100

164 64.4 43.9 83.9

98 33.2 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 51.885 ng

RT: 7.951 min Scan# 997

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

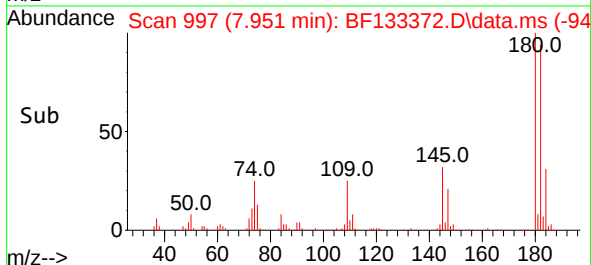
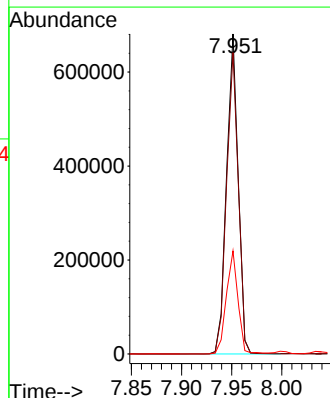
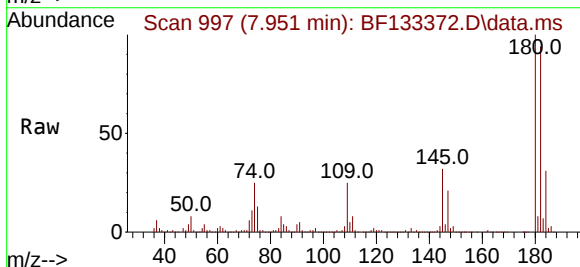
Tgt Ion:180 Resp: 548109

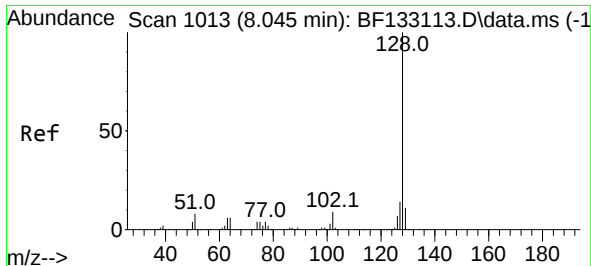
Ion Ratio Lower Upper

180 100

182 94.2 75.9 113.9

145 32.2 25.3 37.9

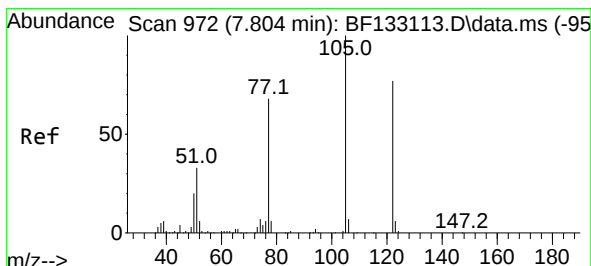
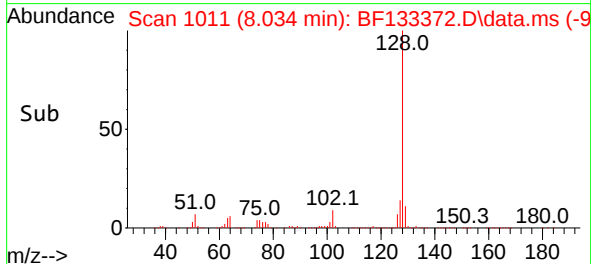
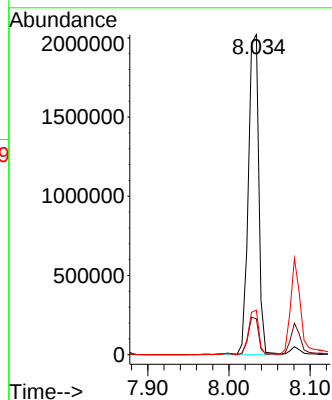
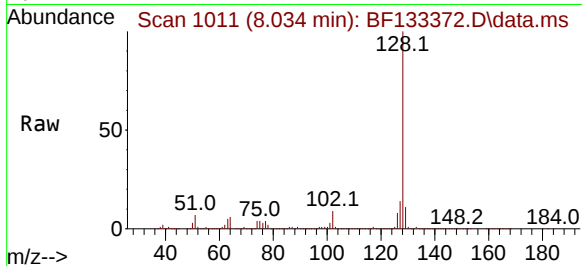




#31
Naphthalene
Concen: 50.078 ng
RT: 8.034 min Scan# 1013
Delta R.T. 0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

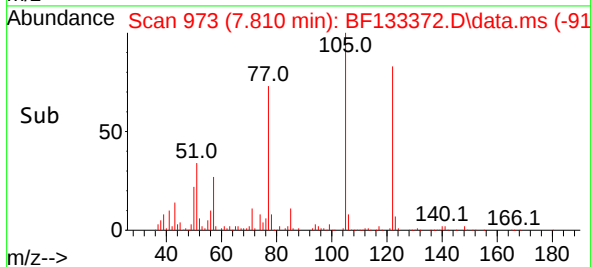
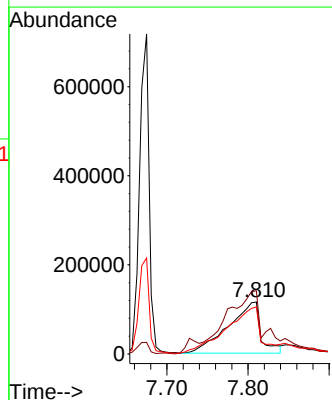
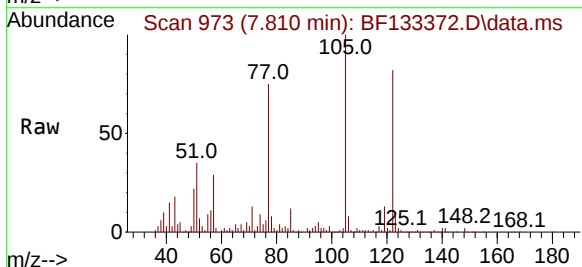
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

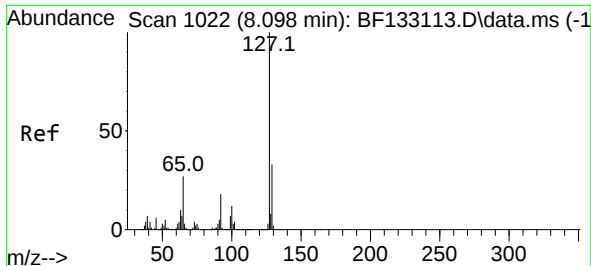
Tgt Ion:128 Resp: 1806207
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.9 10.7 16.1



#32
Benzoic acid
Concen: 46.387 ng
RT: 7.810 min Scan# 973
Delta R.T. 0.018 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion:122 Resp: 320942
Ion Ratio Lower Upper
122 100
105 121.6 104.2 144.2
77 90.6 69.7 109.7

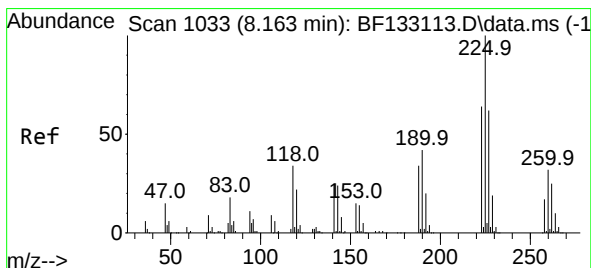
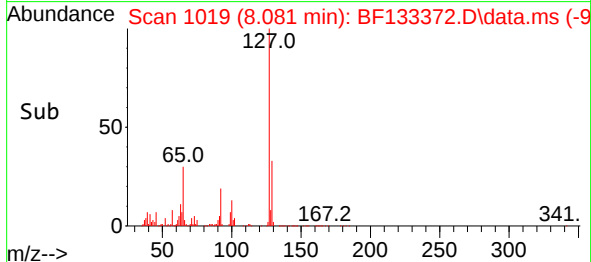
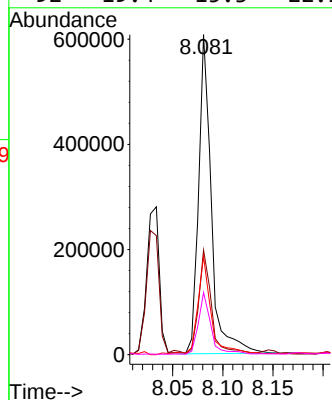
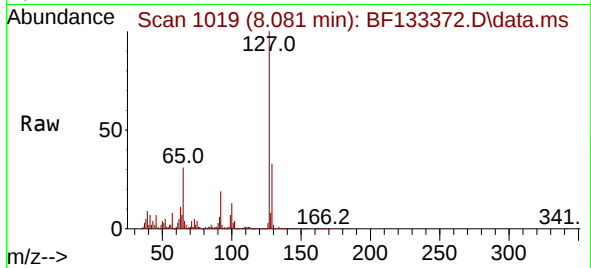




#33
4-Chloroaniline
Concen: 36.959 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

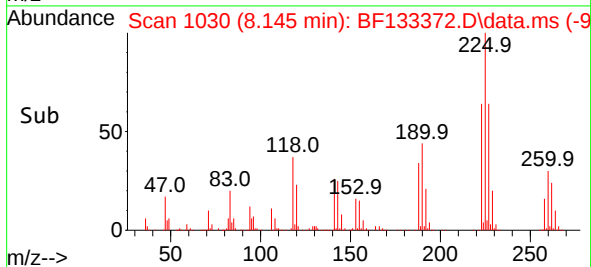
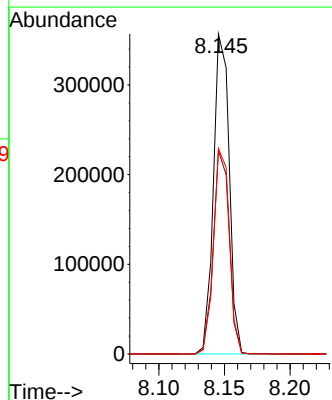
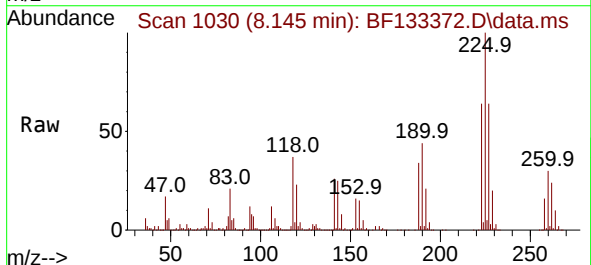
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

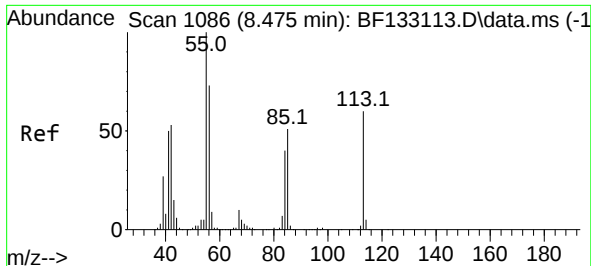
Tgt Ion:	127	Resp:	538608
Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.8	38.8
65	30.7	23.6	35.4
92	19.4	15.3	22.9



#34
Hexachlorobutadiene
Concen: 50.931 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion:	225	Resp:	298200
Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.9	76.3
227	64.3	50.3	75.5

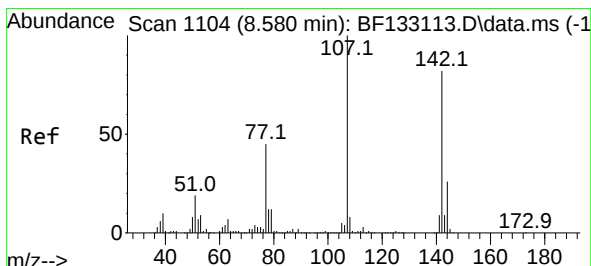
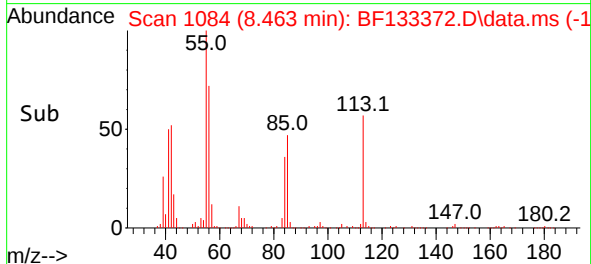
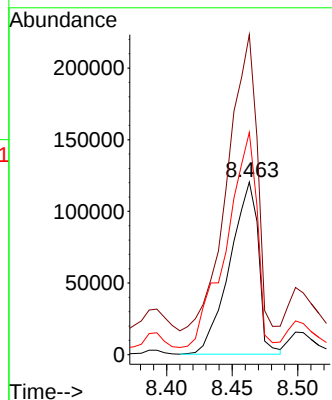
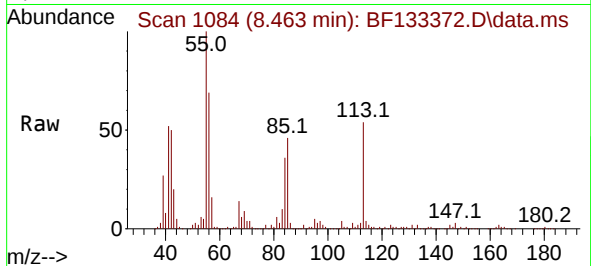




#35
 Caprolactam
 Concen: 53.193 ng
 RT: 8.463 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: BF133372.D
 Acq: 12 May 2023 16:39

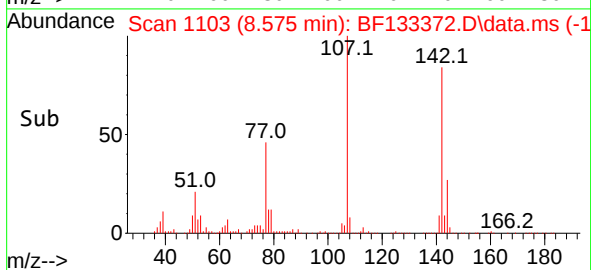
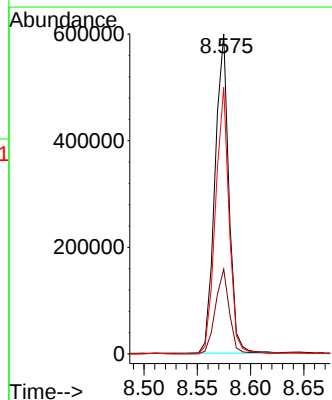
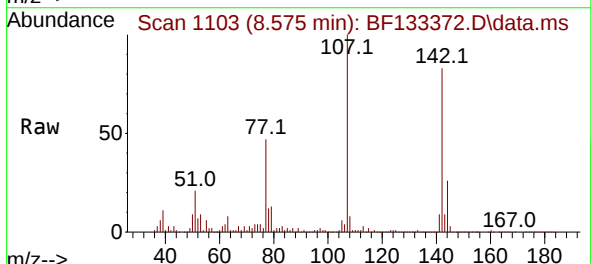
Instrument :
 BNA_F
 ClientSampleId :
 HR-2-051123MS

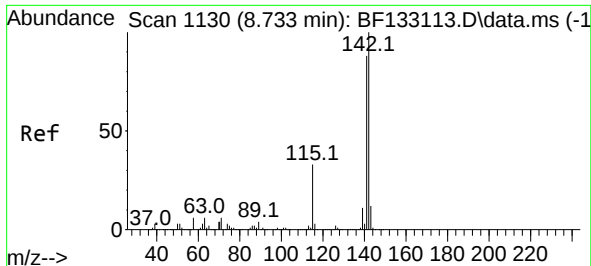
Tgt Ion:113 Resp: 182213
 Ion Ratio Lower Upper
 113 100
 55 185.3 167.1 207.1
 56 128.8 114.5 154.5



#36
 4-Chloro-3-methylphenol
 Concen: 49.298 ng
 RT: 8.575 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: BF133372.D
 Acq: 12 May 2023 16:39

Tgt Ion:107 Resp: 542079
 Ion Ratio Lower Upper
 107 100
 144 26.5 20.6 30.8
 142 83.3 62.8 94.2

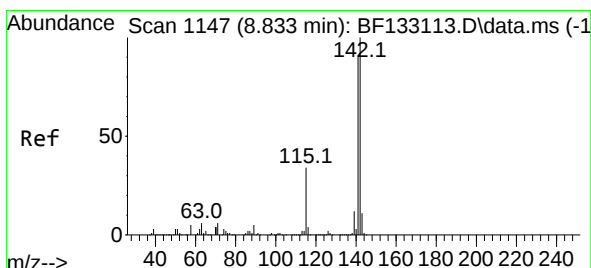
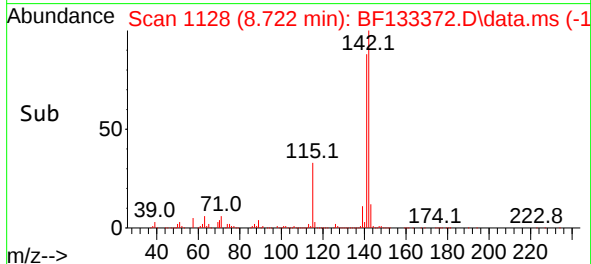
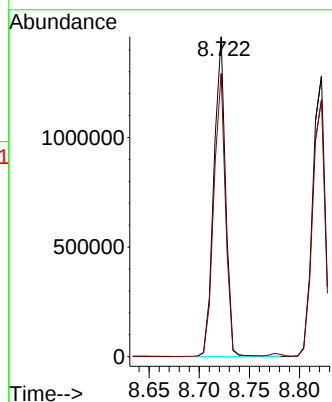
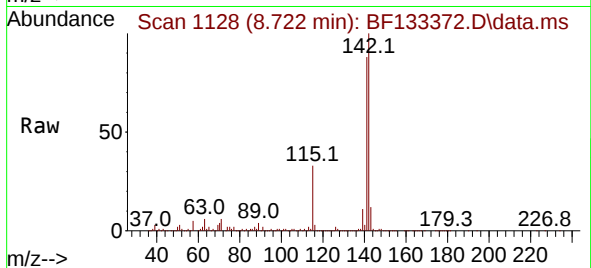




#37
2-Methylnaphthalene
Concen: 47.863 ng
RT: 8.722 min Scan# 1128
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

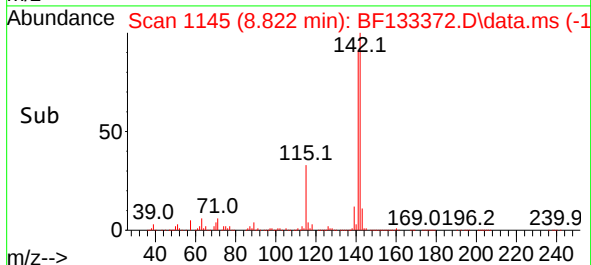
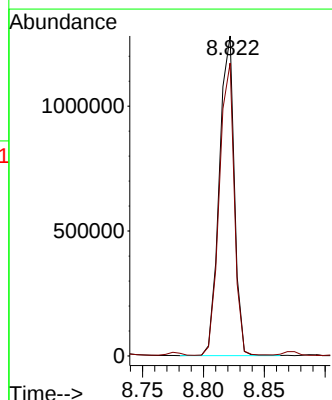
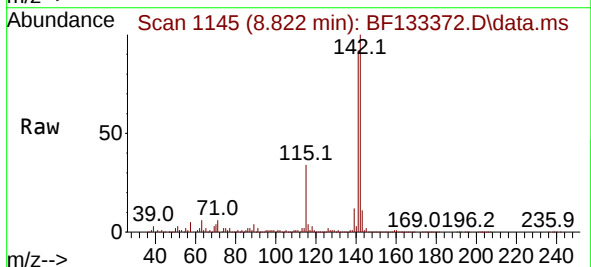
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

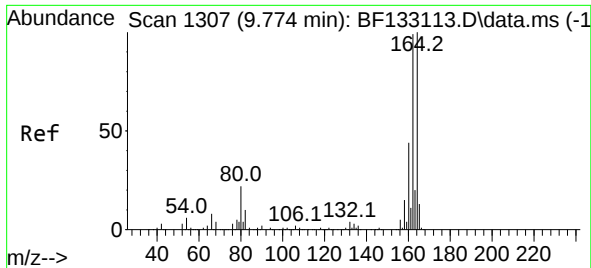
Tgt Ion:142 Resp: 1180256
Ion Ratio Lower Upper
142 100
141 88.5 69.4 104.0



#38
1-Methylnaphthalene
Concen: 47.569 ng
RT: 8.822 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion:142 Resp: 1097328
Ion Ratio Lower Upper
142 100
141 91.5 73.1 109.7

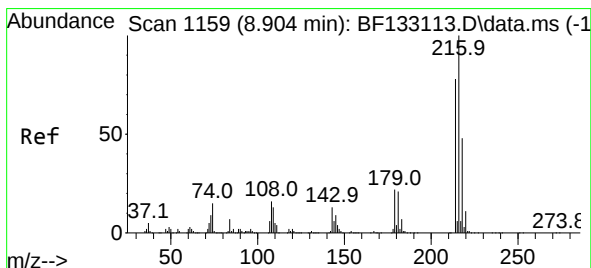
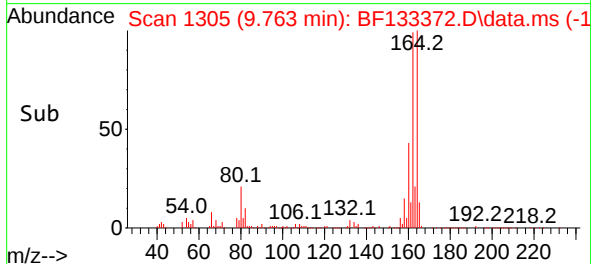
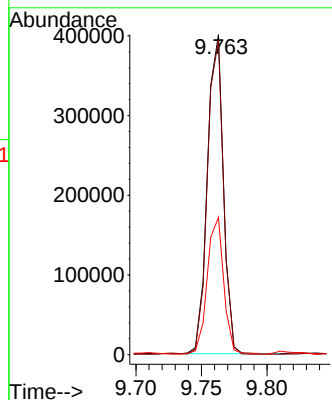
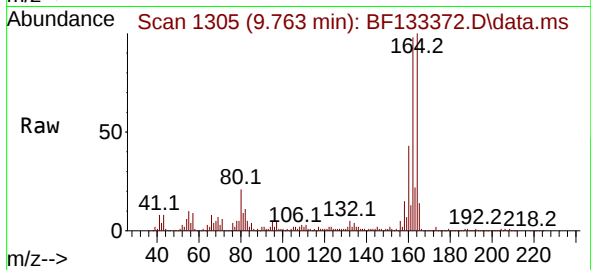




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1156
Delta R.T. 0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

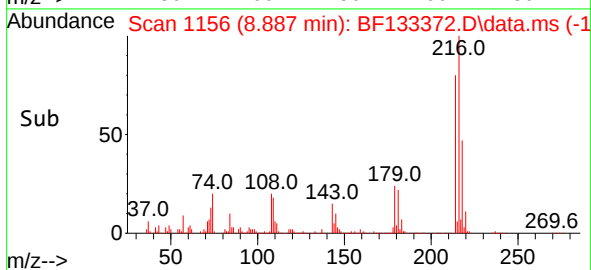
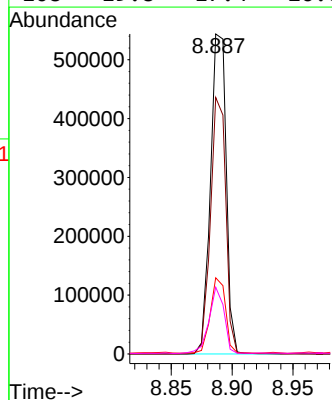
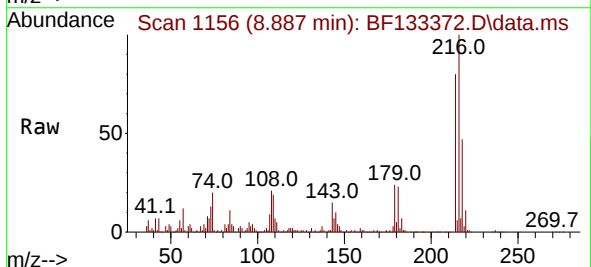
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

Tgt Ion:164 Resp: 340922
Ion Ratio Lower Upper
164 100
162 98.2 78.7 118.1
160 42.9 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.314 ng
RT: 8.887 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion:216 Resp: 488697
Ion Ratio Lower Upper
216 100
214 78.0 63.5 95.3
179 22.6 17.4 26.2
108 19.8 17.4 26.0

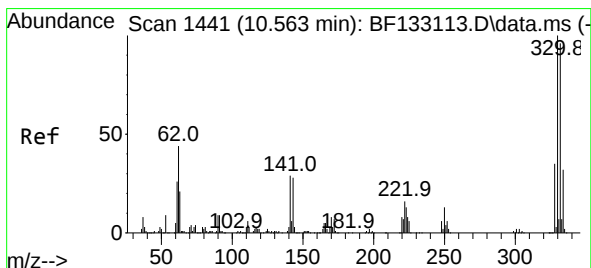
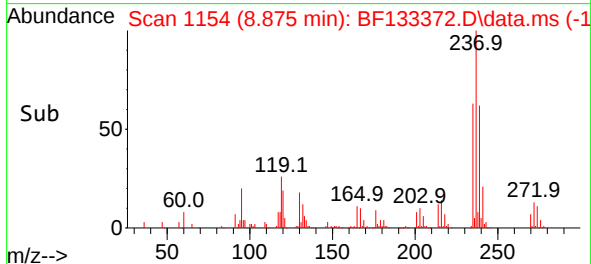
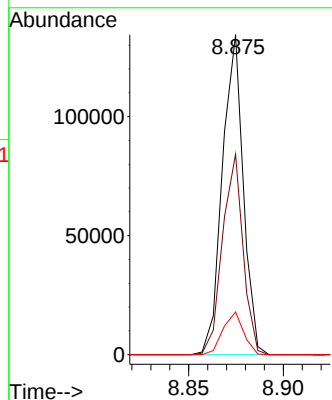
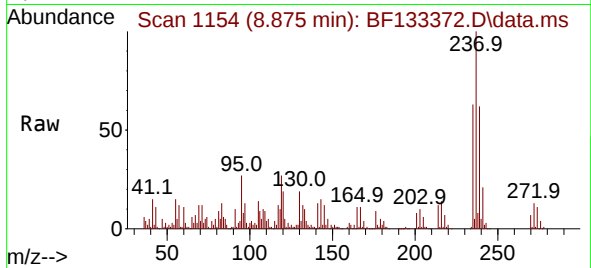




#41
Hexachlorocyclopentadiene
Concen: 19.324 ng
RT: 8.875 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

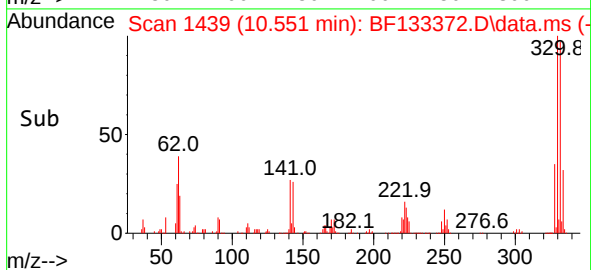
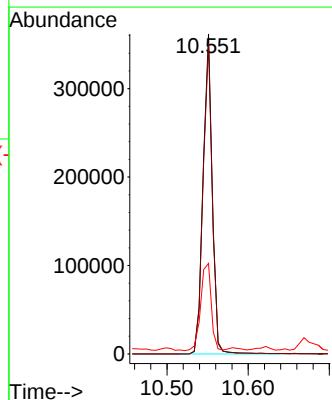
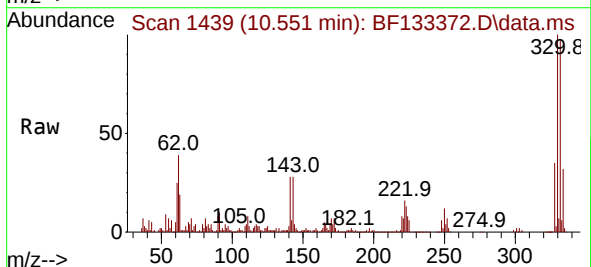
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BNA_F
ClientSampleId :
HR-2-051123MS

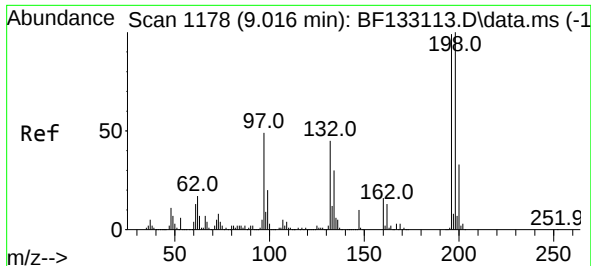
Tgt Ion: 237 Resp: 103304
Ion Ratio Lower Upper
237 100
235 62.7 43.5 83.5
272 13.4 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 82.982 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion: 330 Resp: 284515
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 31.3 25.8 38.8

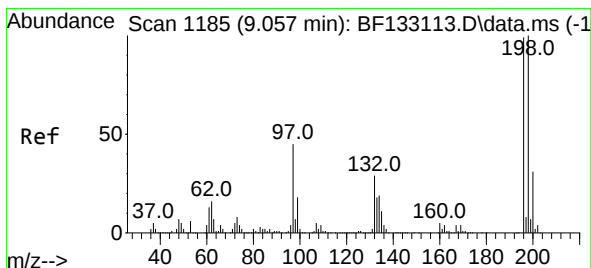
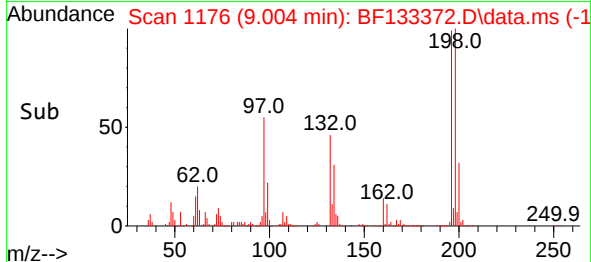
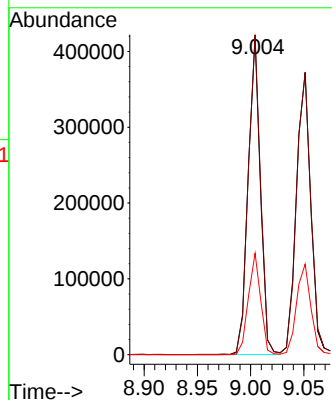
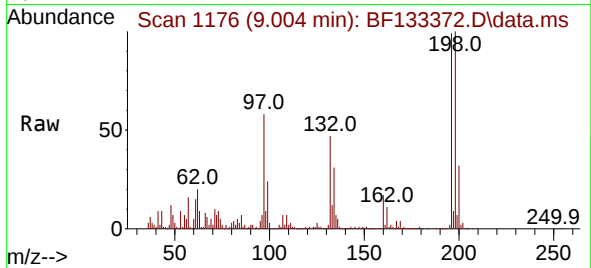




#43
 2,4,6-Trichlorophenol
 Concen: 52.957 ng
 RT: 9.004 min Scan# 1176
 Delta R.T. 0.006 min
 Lab File: BF133372.D
 Acq: 12 May 2023 16:39

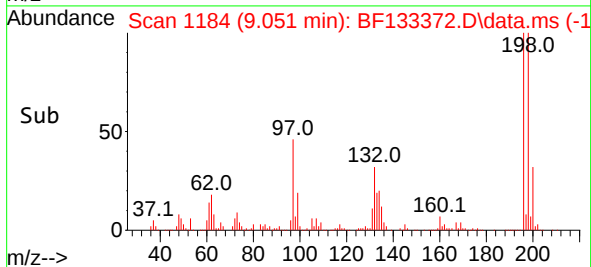
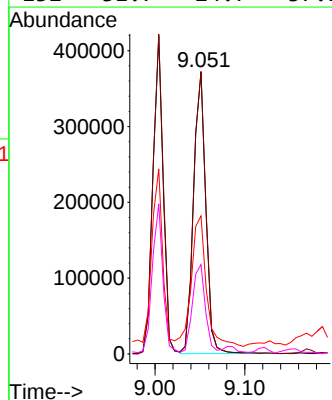
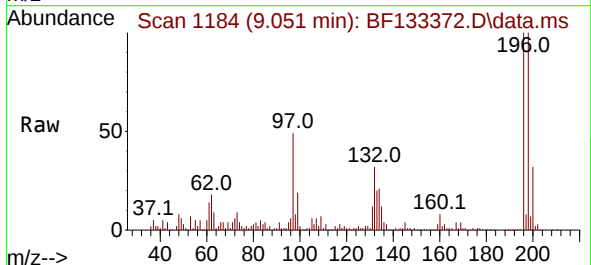
Instrument :
 BNA_F
 ClientSampleId :
 HR-2-051123MS

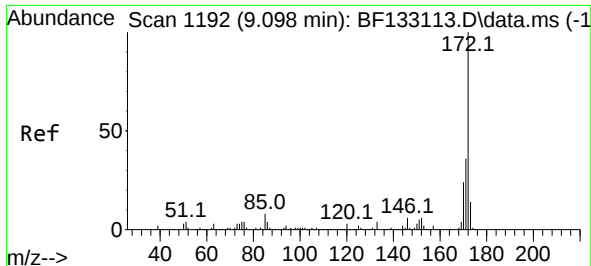
Tgt Ion:196 Resp: 335707
 Ion Ratio Lower Upper
 196 100
 198 100.8 81.0 121.6
 200 31.9 26.1 39.1



#44
 2,4,5-Trichlorophenol
 Concen: 48.174 ng
 RT: 9.051 min Scan# 1184
 Delta R.T. 0.006 min
 Lab File: BF133372.D
 Acq: 12 May 2023 16:39

Tgt Ion:196 Resp: 353190
 Ion Ratio Lower Upper
 196 100
 198 100.3 80.9 121.3
 97 49.0 41.3 61.9
 132 31.7 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 70.704 ng

RT: 9.081 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

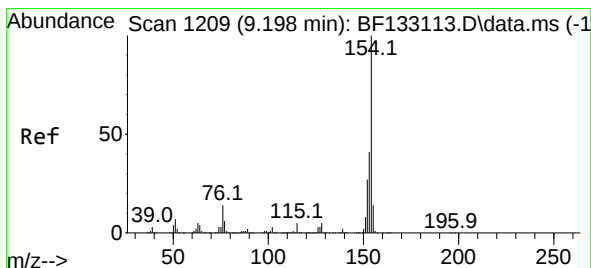
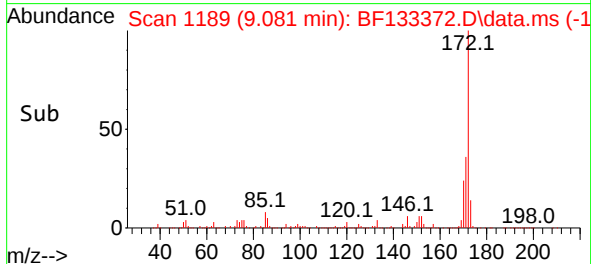
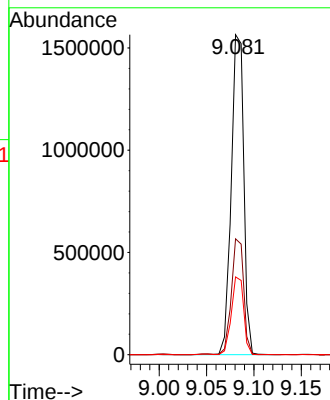
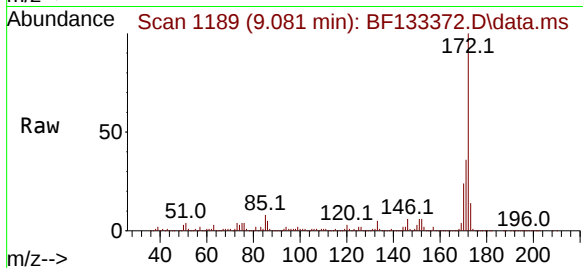
Tgt Ion:172 Resp: 1440801

Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 24.3 19.4 29.2



#46

1,1'-Biphenyl

Concen: 52.342 ng

RT: 9.187 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

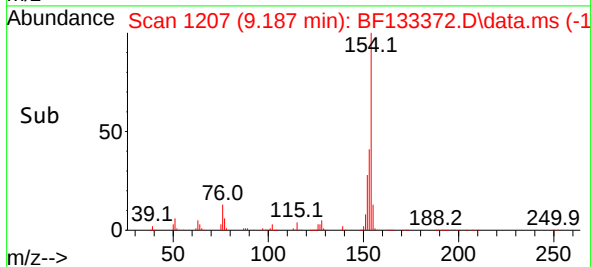
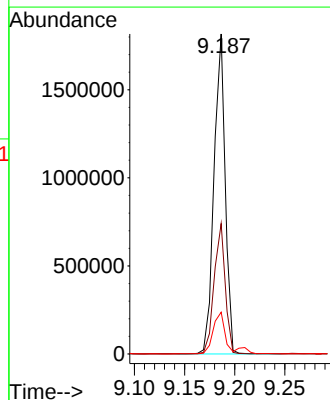
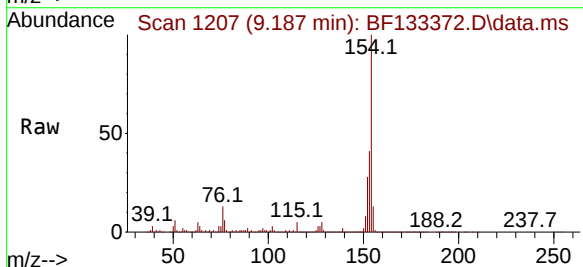
Tgt Ion:154 Resp: 1414995

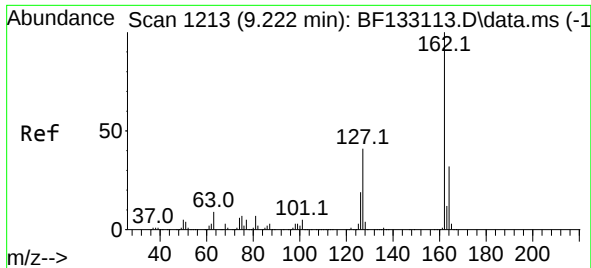
Ion Ratio Lower Upper

154 100

153 40.8 21.0 61.0

76 13.0 0.0 34.5





#47

2-Chloronaphthalene

Concen: 52.269 ng

RT: 9.210 min Scan# 1211

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

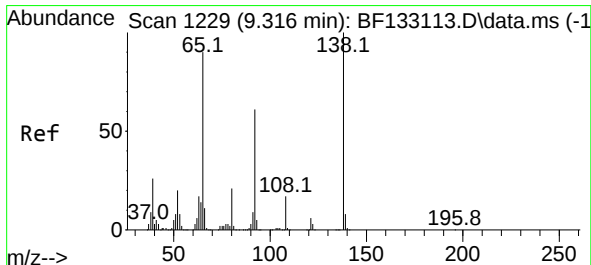
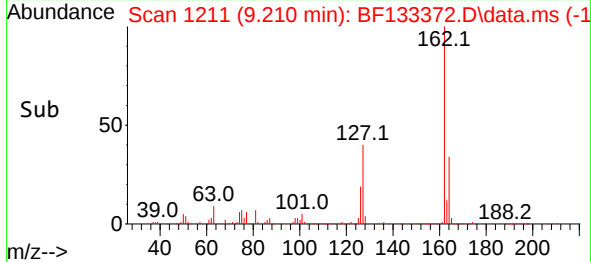
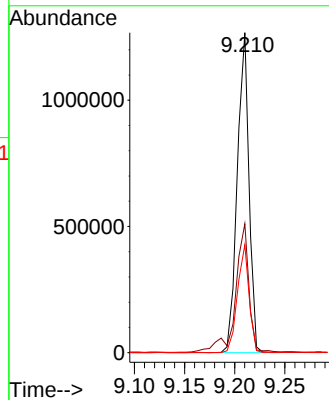
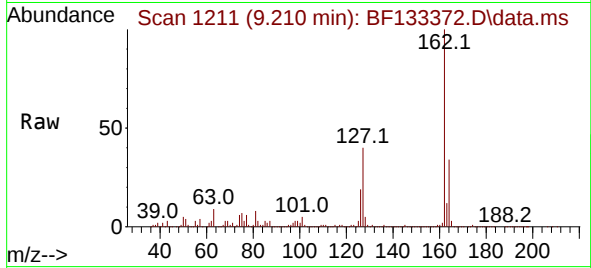
Tgt Ion:162 Resp: 1034230

Ion Ratio Lower Upper

162 100

127 40.3 32.3 48.5

164 33.8 26.8 40.2



#48

2-Nitroaniline

Concen: 51.315 ng

RT: 9.310 min Scan# 1228

Delta R.T. 0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

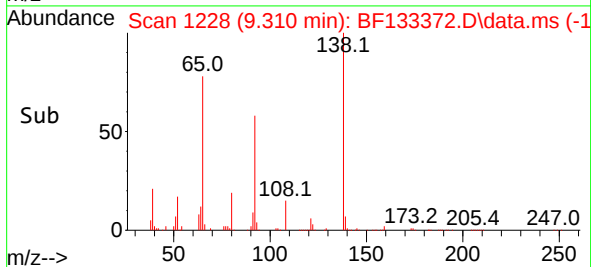
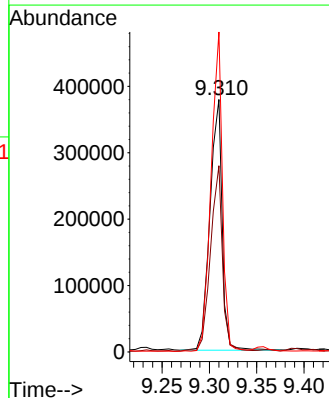
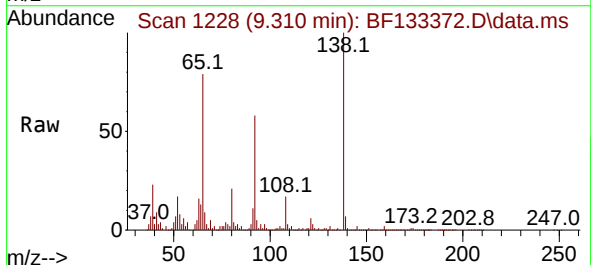
Tgt Ion: 65 Resp: 335572

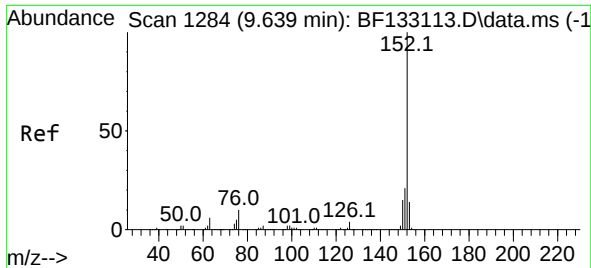
Ion Ratio Lower Upper

65 100

92 73.8 55.4 83.0

138 126.8 98.2 147.2





#49

Acenaphthylene

Concen: 49.025 ng

RT: 9.622 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

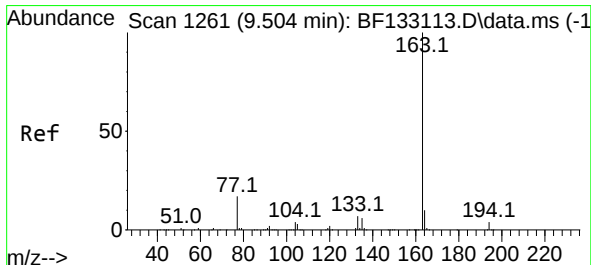
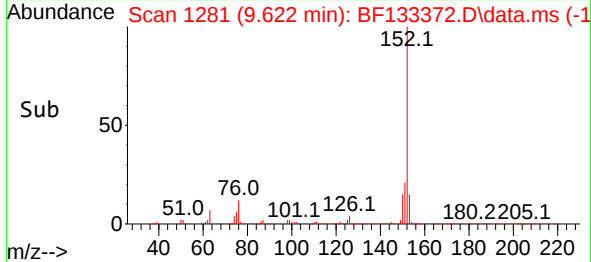
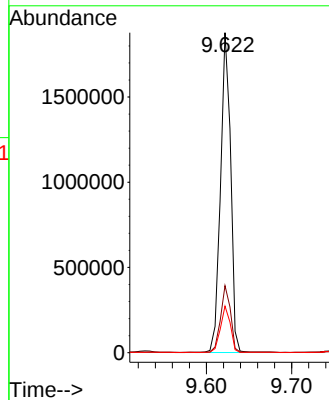
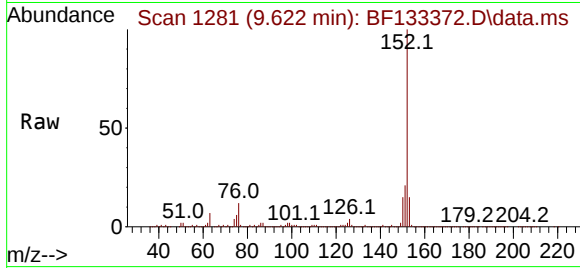
Tgt Ion:152 Resp: 1549974

Ion Ratio Lower Upper

152 100

151 21.0 16.6 24.8

153 14.6 11.5 17.3



#50

Dimethylphthalate

Concen: 51.832 ng

RT: 9.486 min Scan# 1258

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

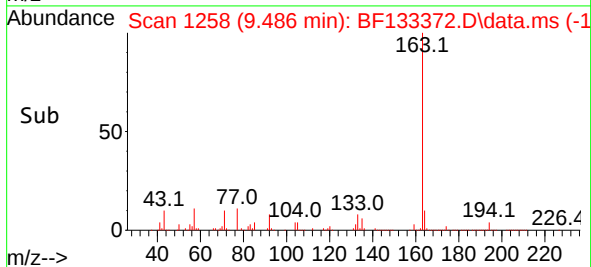
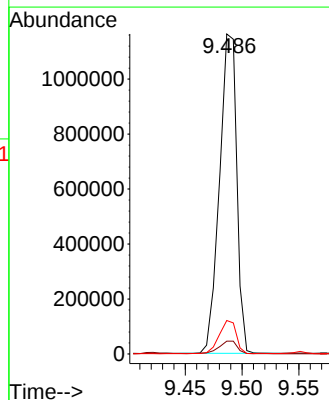
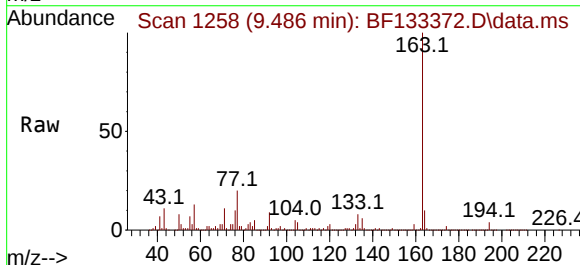
Tgt Ion:163 Resp: 1232145

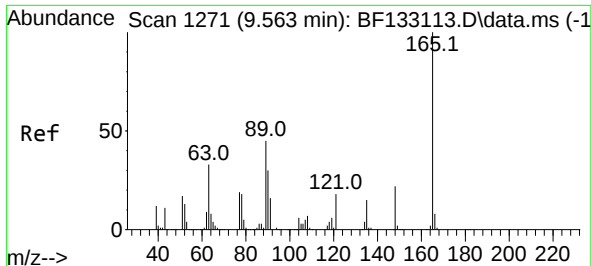
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.4 8.5 12.7

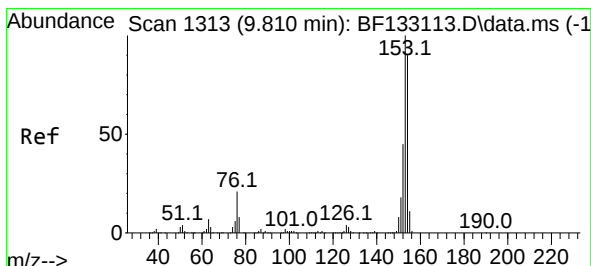
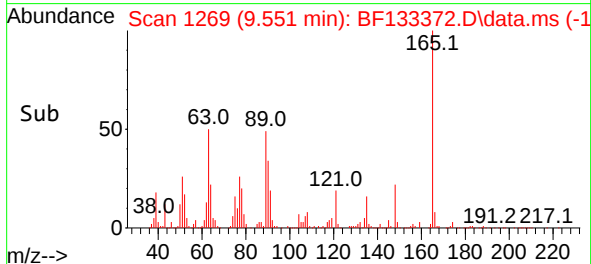
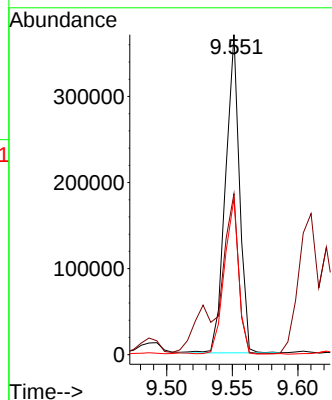
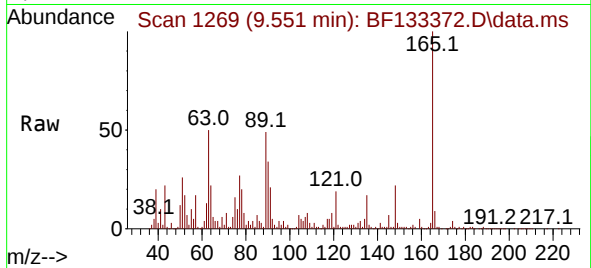




#51
2,6-Dinitrotoluene
Concen: 51.254 ng
RT: 9.551 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

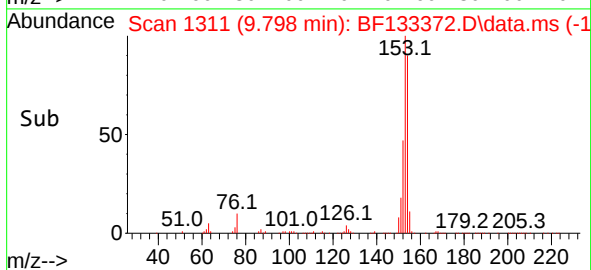
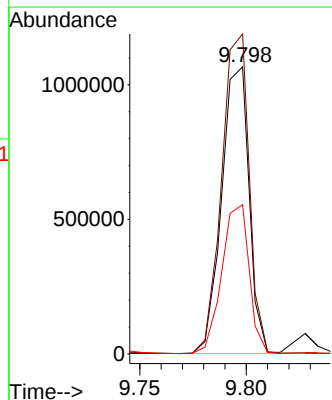
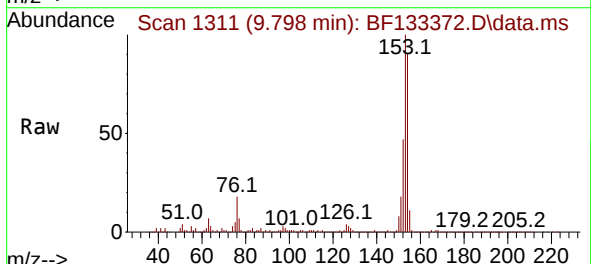
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

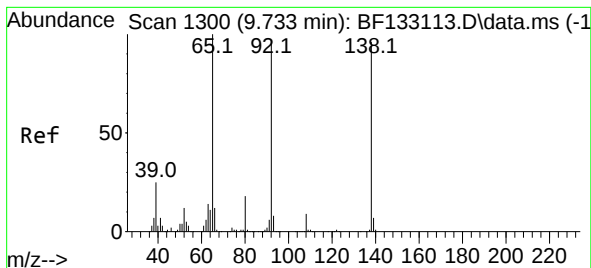
Tgt Ion:165 Resp: 274228
Ion Ratio Lower Upper
165 100
63 50.3 45.9 68.9
89 48.8 44.0 66.0



#52
Acenaphthene
Concen: 45.132 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion:154 Resp: 955668
Ion Ratio Lower Upper
154 100
153 111.4 89.0 133.6
152 52.0 40.4 60.6





#53

3-Nitroaniline

Concen: 46.038 ng

RT: 9.722 min Scan# 1298

Delta R.T. 0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

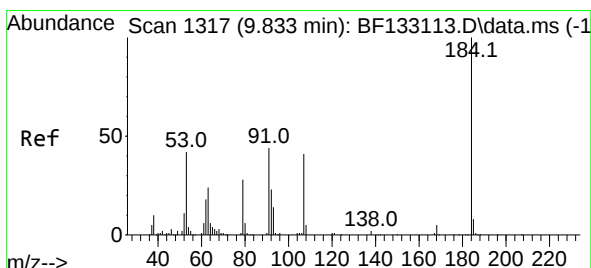
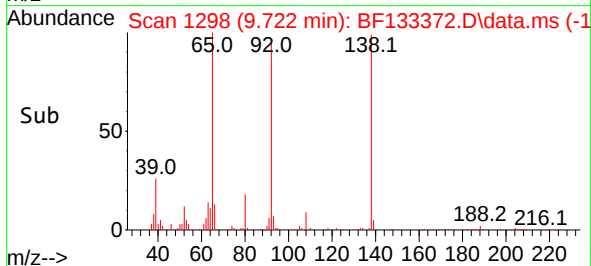
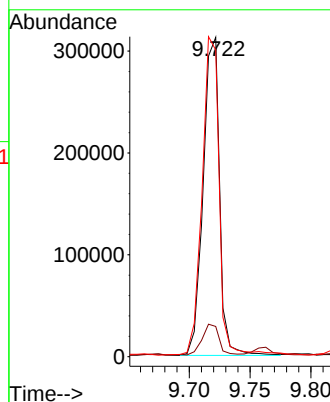
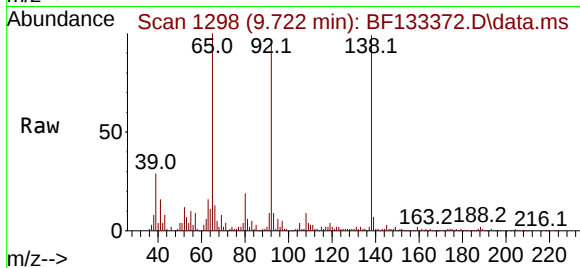
Tgt Ion:138 Resp: 292881

Ion Ratio Lower Upper

138 100

108 9.5 8.0 12.0

92 96.0 83.6 125.4



#54

2,4-Dinitrophenol

Concen: 35.422 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

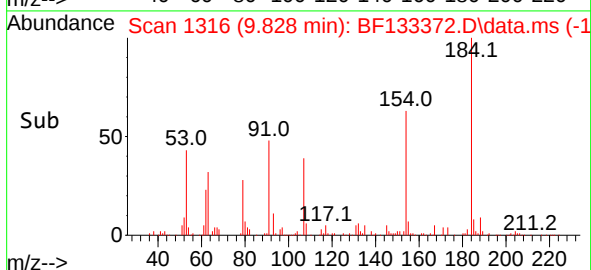
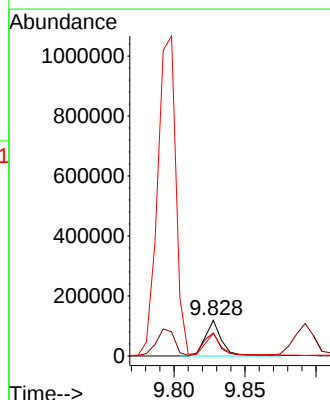
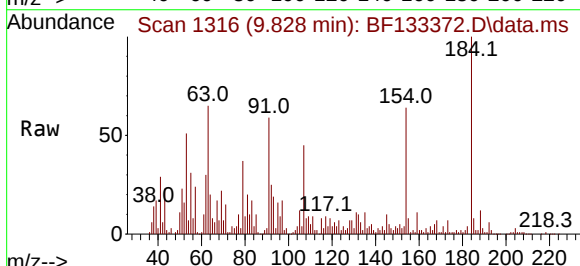
Tgt Ion:184 Resp: 95263

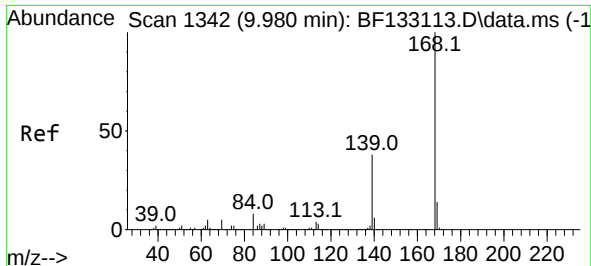
Ion Ratio Lower Upper

184 100

63 64.8 49.8 74.8

154 63.8 49.5 74.3

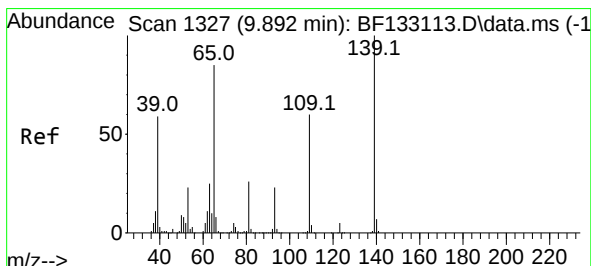
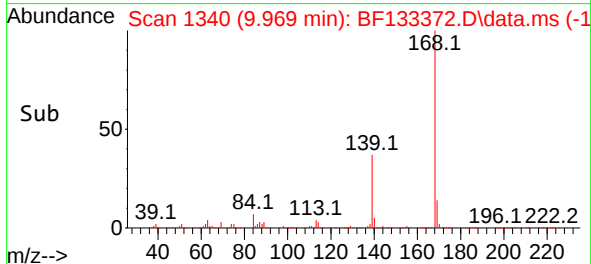
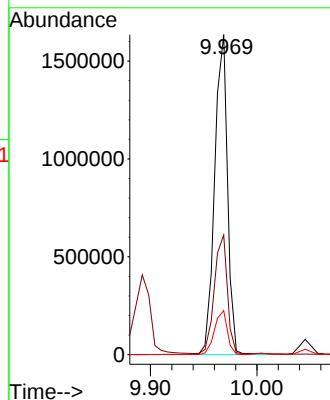
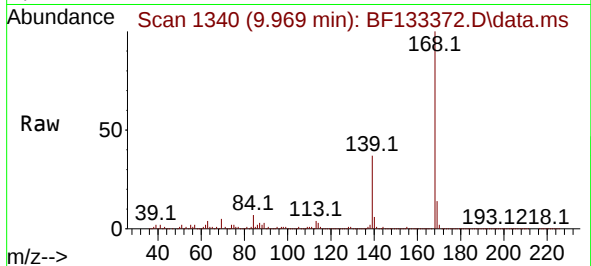




#55
Dibenzenofuran
Concen: 47.127 ng
RT: 9.969 min Scan# 1342
Delta R.T. 0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

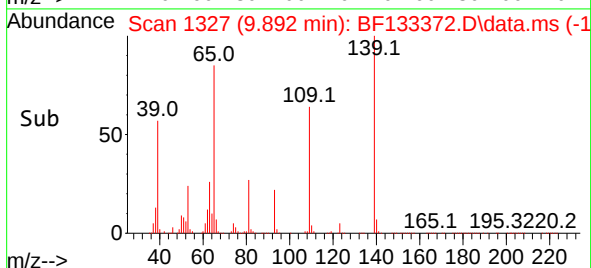
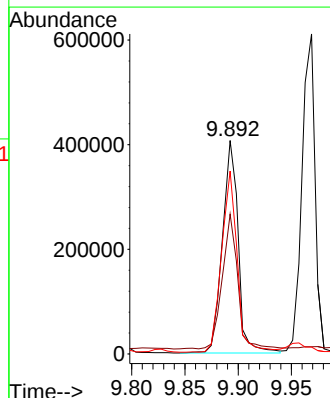
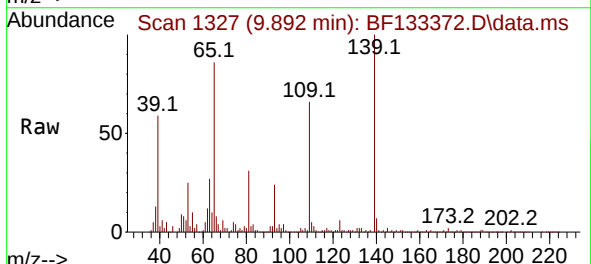
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

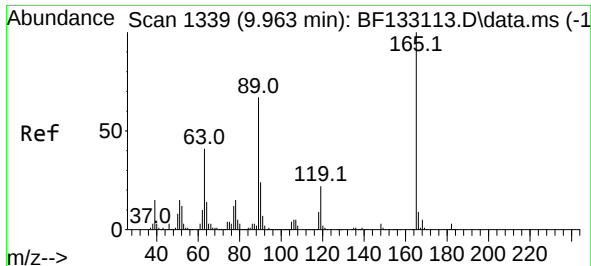
Tgt Ion:168 Resp: 1361269
Ion Ratio Lower Upper
168 100
139 37.4 29.8 44.8
169 13.8 10.8 16.2



#56
4-Nitrophenol
Concen: 84.727 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion:139 Resp: 417477
Ion Ratio Lower Upper
139 100
109 65.5 39.4 79.4
65 85.7 57.5 97.5





#57

2,4-Dinitrotoluene

Concen: 48.624 ng

RT: 9.957 min Scan# 1338

Delta R.T. 0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

Tgt Ion:165 Resp: 331777

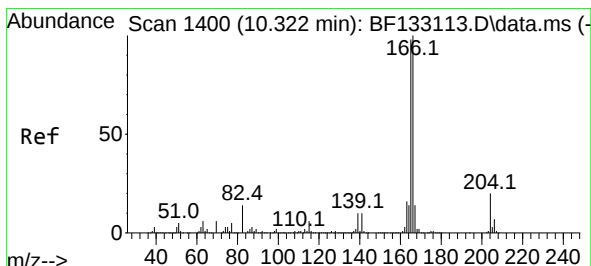
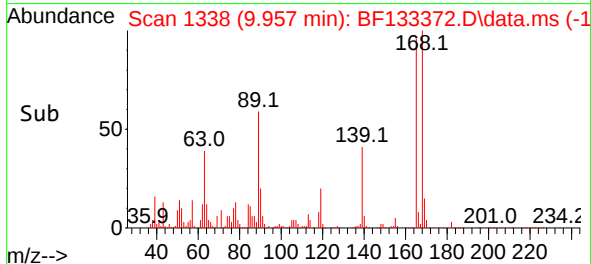
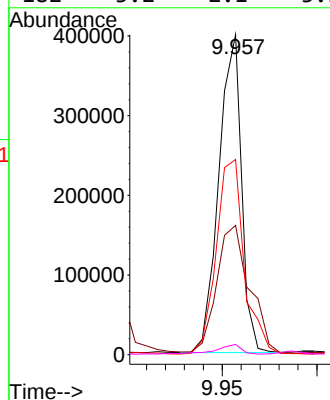
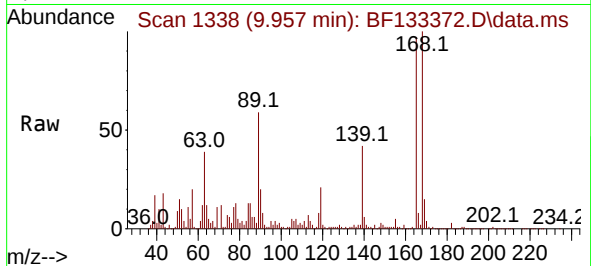
Ion Ratio Lower Upper

165 100

63 40.4 37.7 56.5

89 61.0 57.0 85.4

182 3.2 2.1 3.1#



#58

Fluorene

Concen: 46.924 ng

RT: 10.310 min Scan# 1398

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

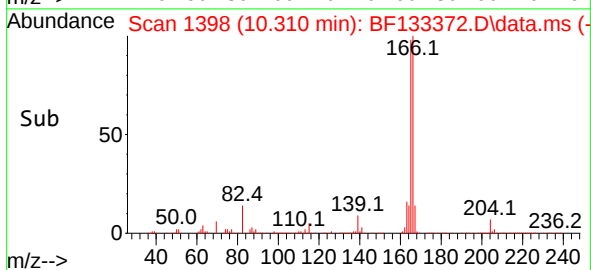
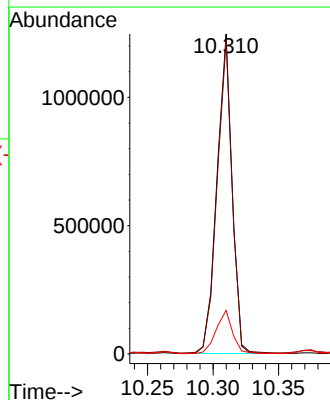
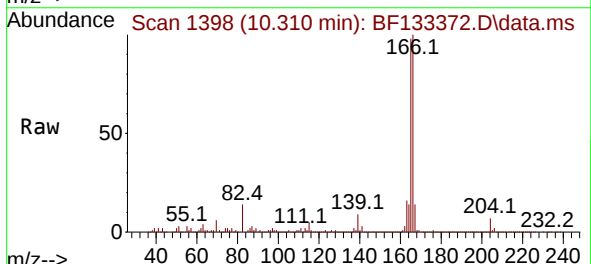
Tgt Ion:166 Resp: 993009

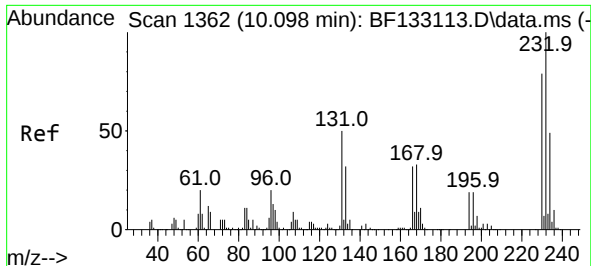
Ion Ratio Lower Upper

166 100

165 97.9 78.6 117.8

167 13.6 11.0 16.4

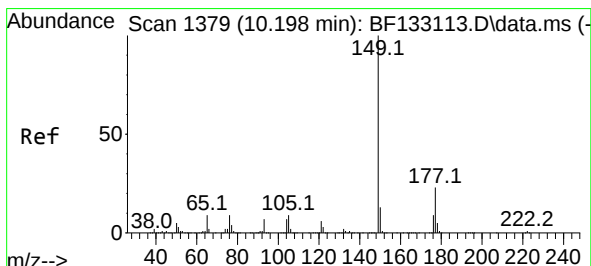
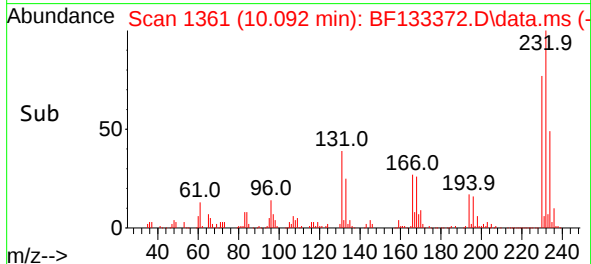
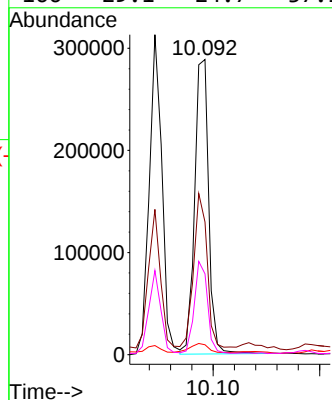
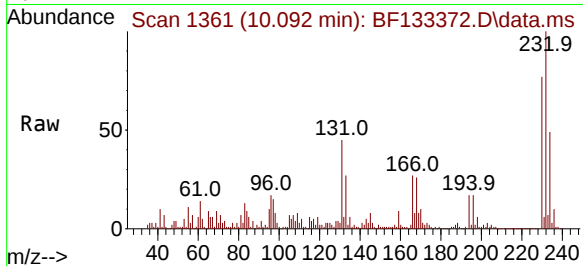




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.497 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

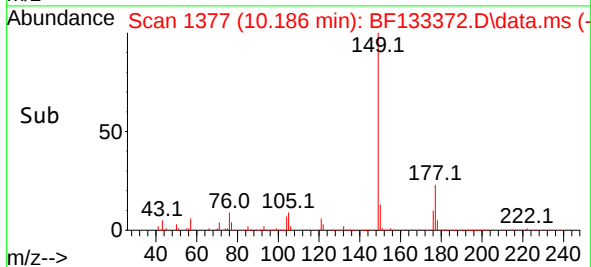
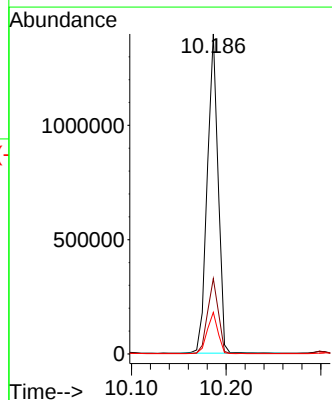
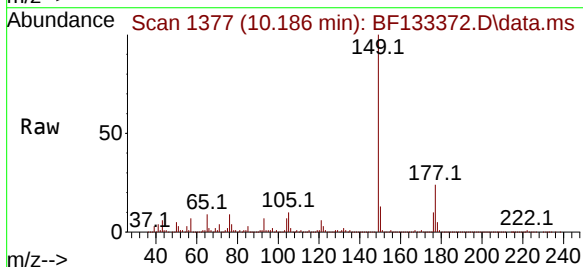
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

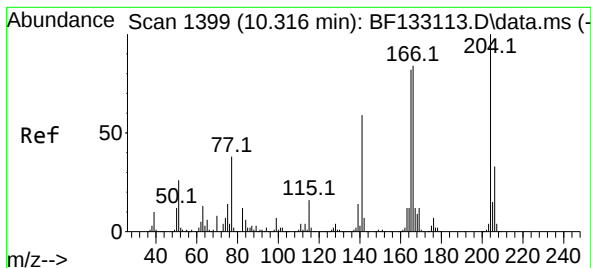
Tgt Ion:232 Resp: 264283
Ion Ratio Lower Upper
232 100
131 51.8 38.0 57.0
130 3.9 1.8 2.8#
166 29.1 24.7 37.1



#60
Diethylphthalate
Concen: 49.357 ng
RT: 10.186 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion:149 Resp: 1108268
Ion Ratio Lower Upper
149 100
177 23.5 18.2 27.4
150 13.0 10.2 15.4

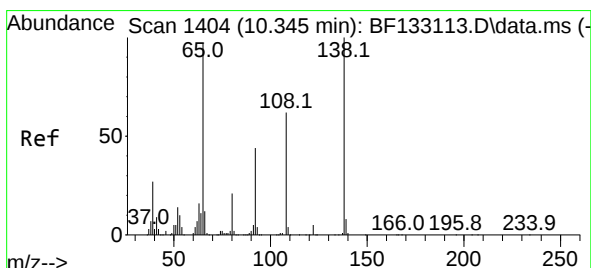
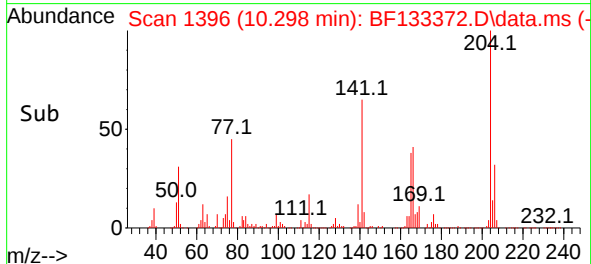
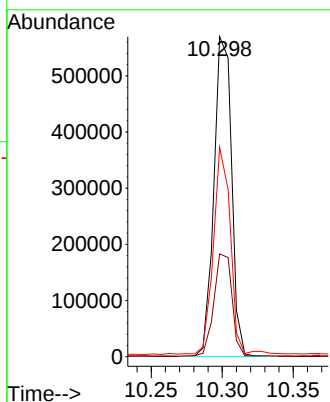
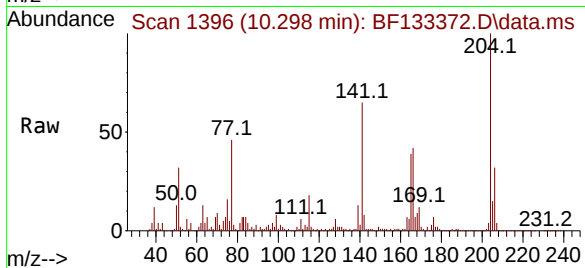




#61
4-Chlorophenyl-phenylether
Concen: 47.588 ng
RT: 10.298 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

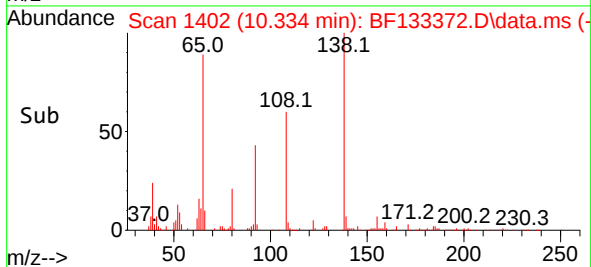
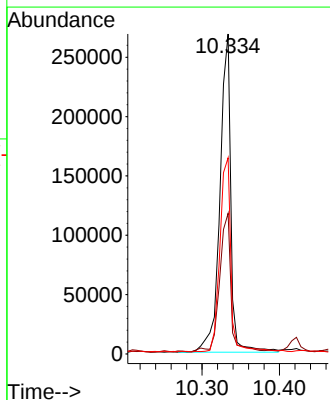
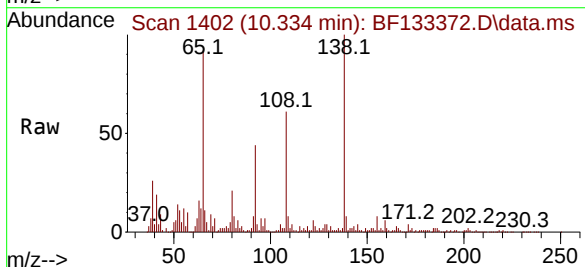
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

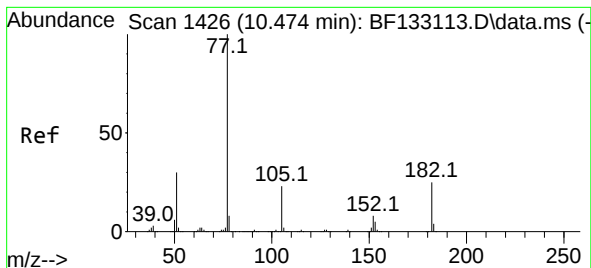
Tgt Ion:204 Resp: 490766
Ion Ratio Lower Upper
204 100
206 32.2 26.1 39.1
141 65.5 46.1 69.1



#62
4-Nitroaniline
Concen: 45.126 ng
RT: 10.334 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion:138 Resp: 263855
Ion Ratio Lower Upper
138 100
92 44.0 27.7 67.7
108 61.3 45.2 85.2





#63

Azobenzene

Concen: 45.500 ng

RT: 10.463 min Scan# 1424

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

Tgt Ion: 77 Resp: 1082280

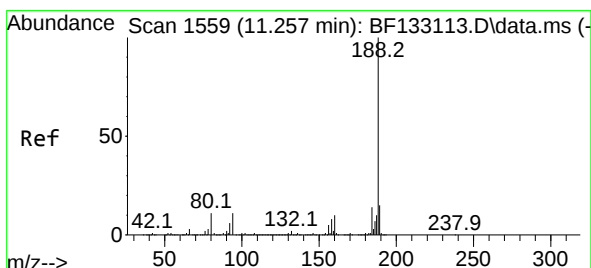
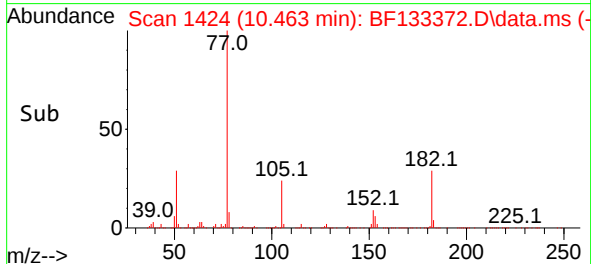
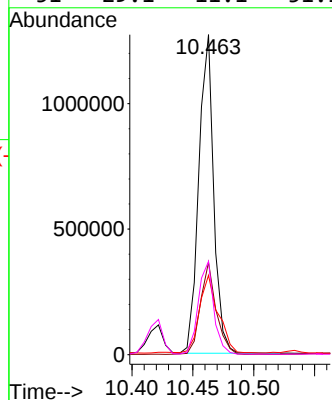
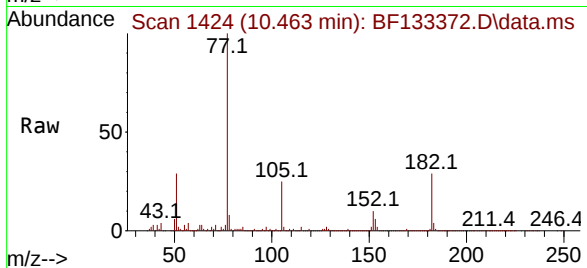
Ion Ratio Lower Upper

77 100

182 28.9 5.9 45.9

105 24.8 2.3 42.3

51 29.1 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1556

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

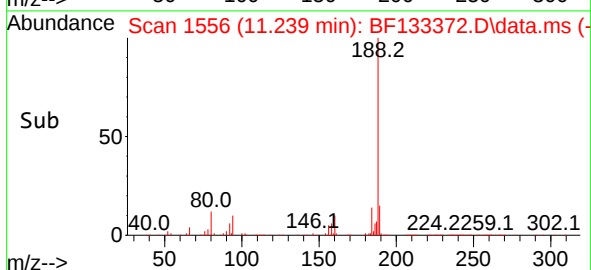
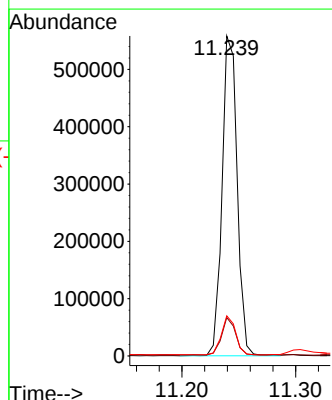
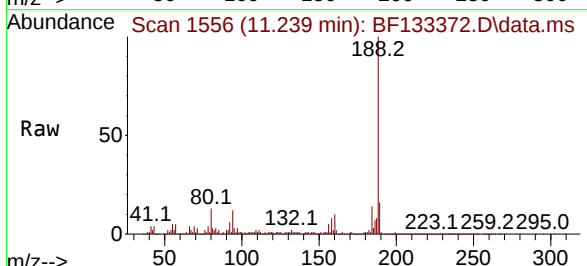
Tgt Ion:188 Resp: 516527

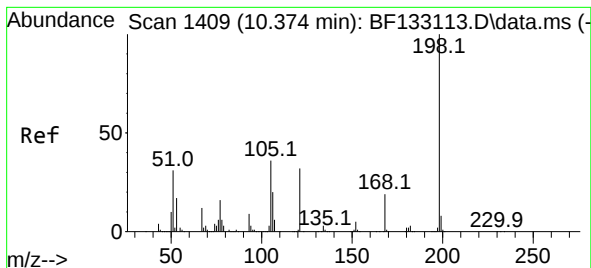
Ion Ratio Lower Upper

188 100

94 12.0 9.7 14.5

80 12.6 10.4 15.6

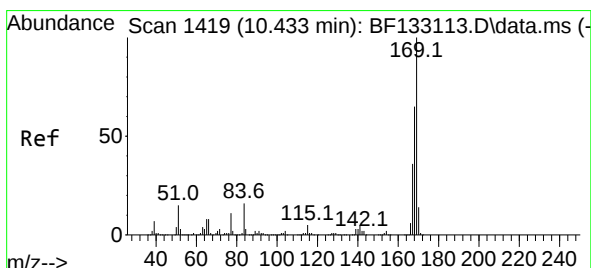
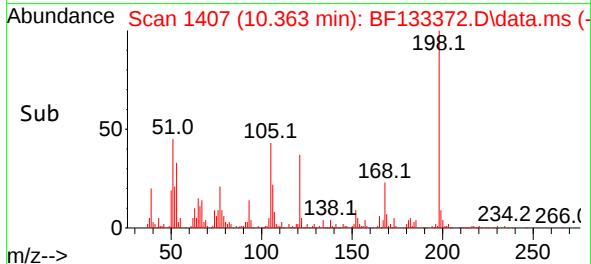
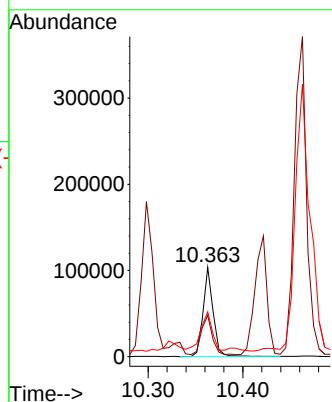
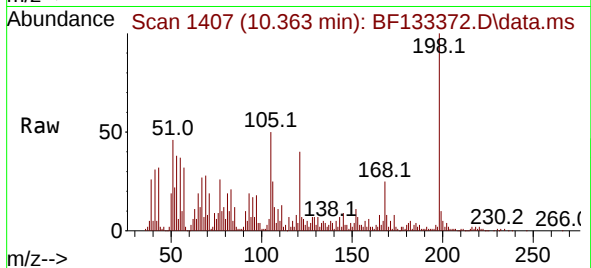




#65
4,6-Dinitro-2-methylphenol
Concen: 24.621 ng
RT: 10.363 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

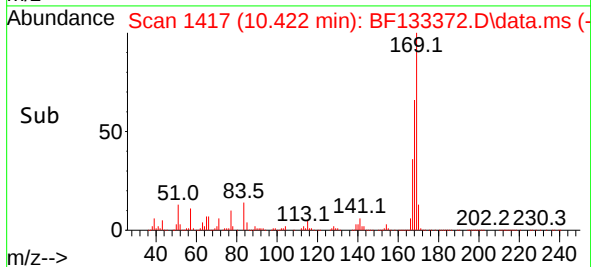
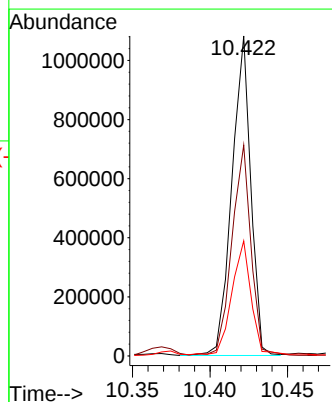
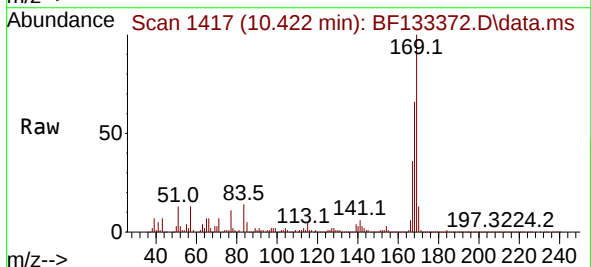
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

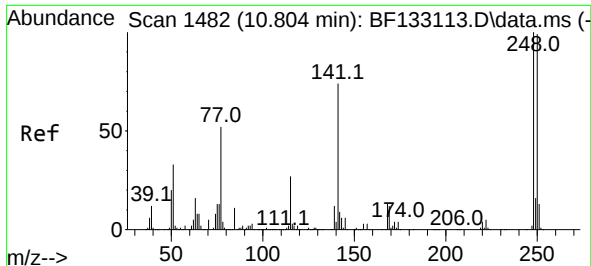
Tgt Ion:198 Resp: 77083
Ion Ratio Lower Upper
198 100
51 46.1 15.5 55.5
105 50.2 16.7 56.7



#66
n-Nitrosodiphenylamine
Concen: 54.584 ng
RT: 10.422 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion:169 Resp: 914538
Ion Ratio Lower Upper
169 100
168 65.9 53.8 80.8
167 35.9 29.7 44.5

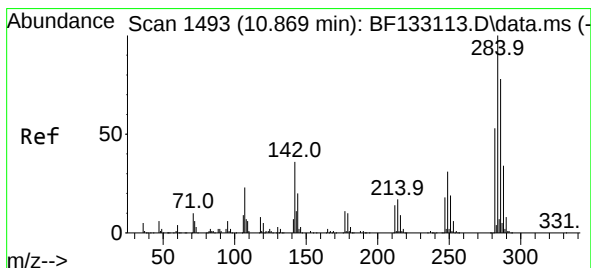
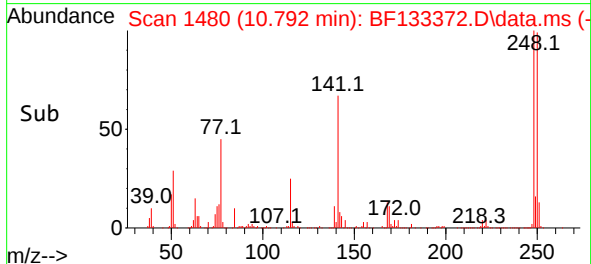
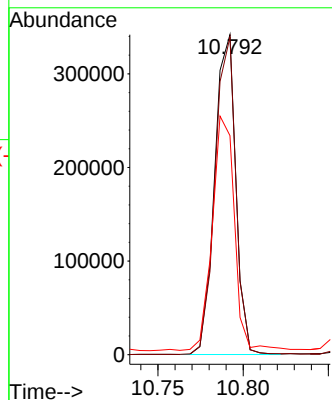
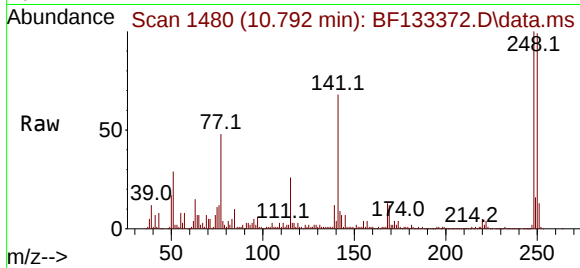




#67
4-Bromophenyl-phenylether
Concen: 52.633 ng
RT: 10.792 min Scan# 1480
Delta R.T. 0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

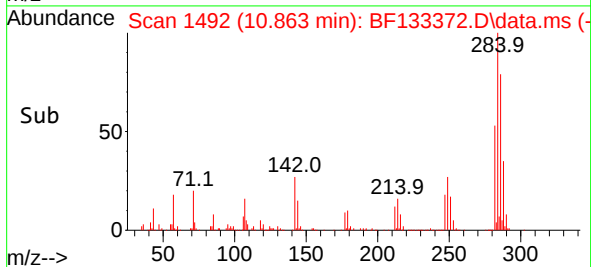
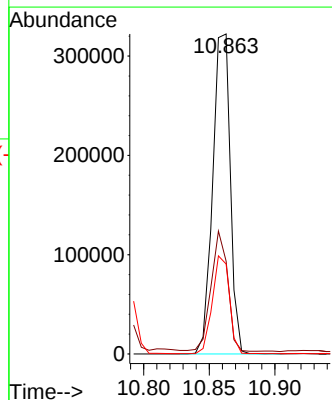
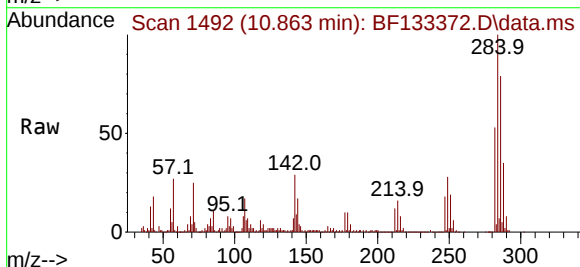
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MS

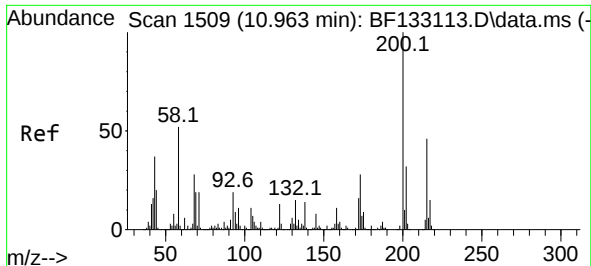
Tgt Ion:248 Resp: 294854
Ion Ratio Lower Upper
248 100
250 99.2 78.7 118.1
141 68.5 56.3 84.5



#68
Hexachlorobenzene
Concen: 52.426 ng
RT: 10.863 min Scan# 1492
Delta R.T. 0.006 min
Lab File: BF133372.D
Acq: 12 May 2023 16:39

Tgt Ion:284 Resp: 300941
Ion Ratio Lower Upper
284 100
142 29.0 26.0 39.0
249 28.1 23.7 35.5

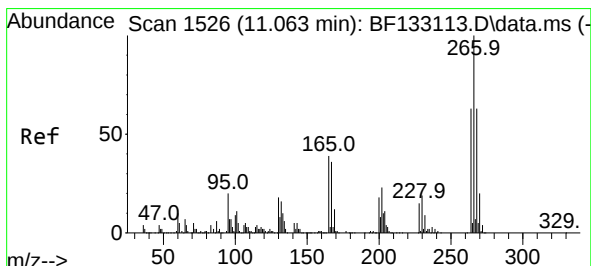
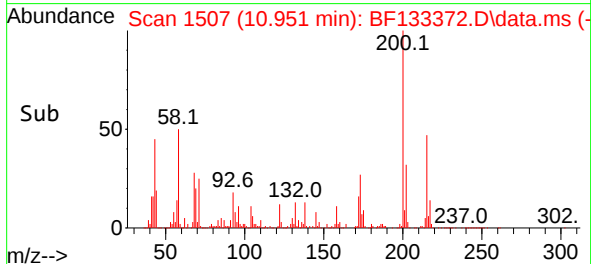
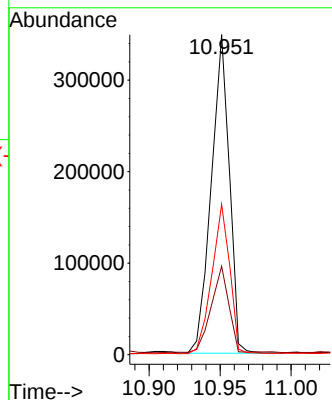
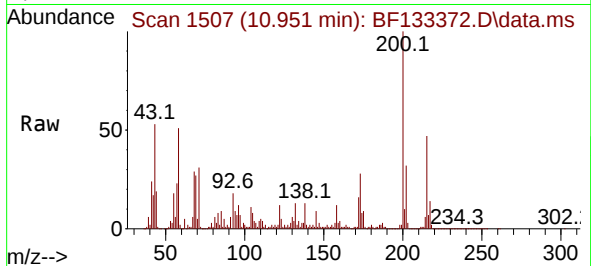




#69
 Atrazine
 Concen: 63.682 ng
 RT: 10.951 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF133372.D
 Acq: 12 May 2023 16:39

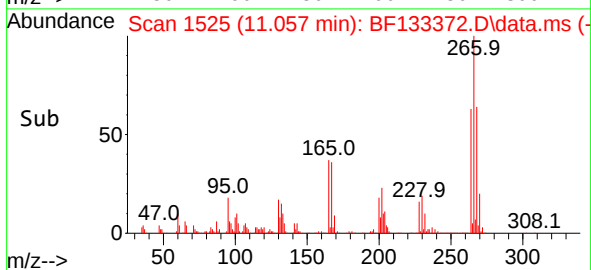
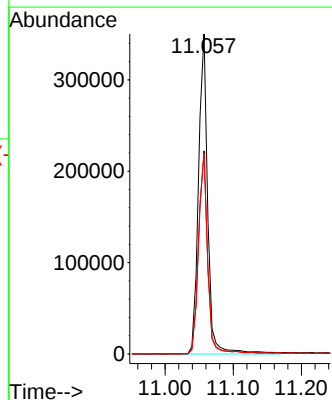
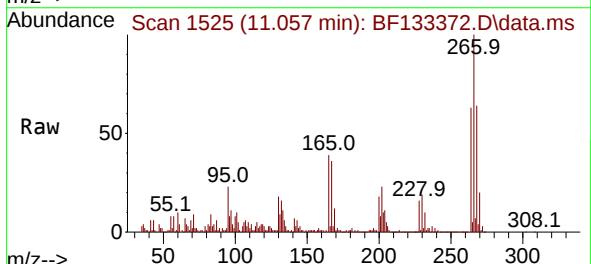
Instrument :
 BNA_F
 ClientSampleId :
 HR-2-051123MS

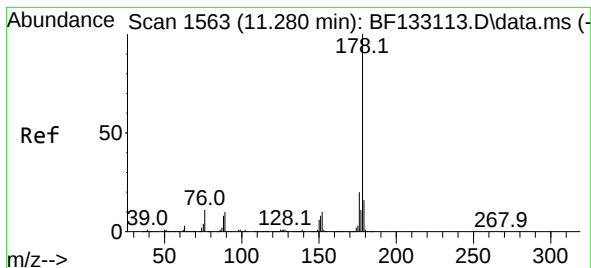
Tgt Ion:200 Resp: 307443
 Ion Ratio Lower Upper
 200 100
 173 27.7 6.2 46.2
 215 47.0 26.3 66.3



#70
 Pentachlorophenol
 Concen: 80.787 ng
 RT: 11.057 min Scan# 1525
 Delta R.T. 0.006 min
 Lab File: BF133372.D
 Acq: 12 May 2023 16:39

Tgt Ion:266 Resp: 330278
 Ion Ratio Lower Upper
 266 100
 268 63.5 48.8 73.2
 264 62.7 50.6 76.0





#71

Phenanthrene

Concen: 52.994 ng

RT: 11.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

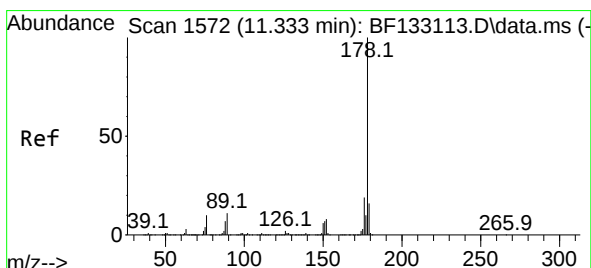
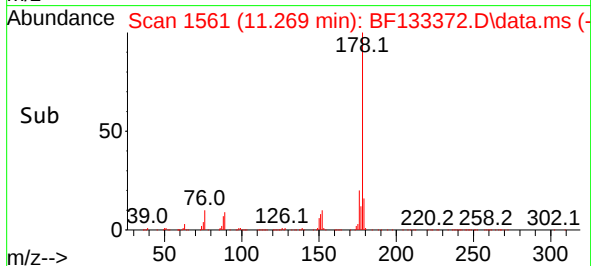
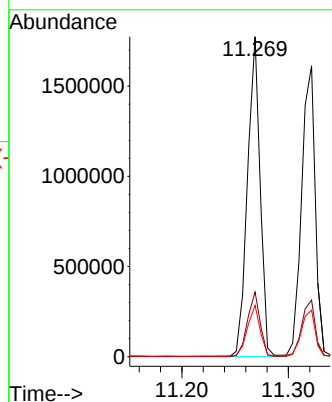
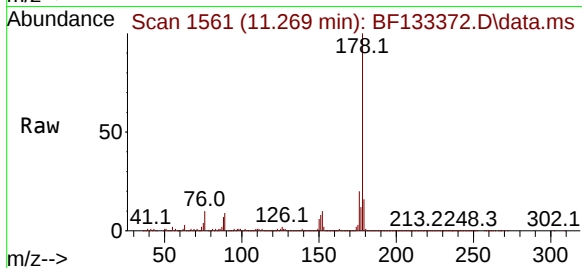
Tgt Ion:178 Resp: 1471214

Ion Ratio Lower Upper

178 100

176 20.2 15.9 23.9

179 16.0 12.5 18.7



#72

Anthracene

Concen: 50.501 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

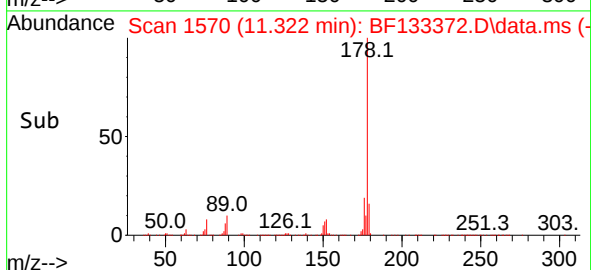
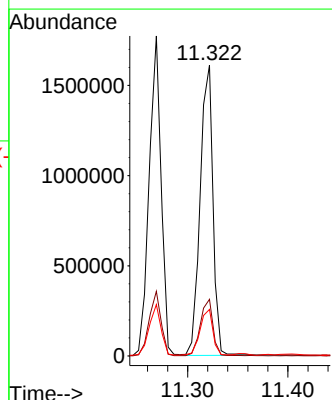
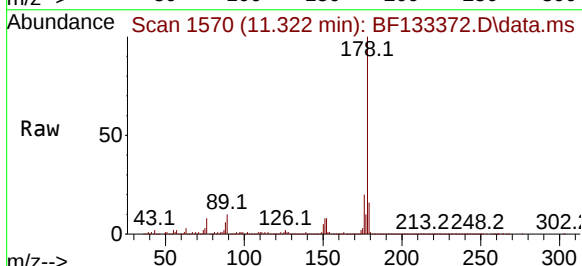
Tgt Ion:178 Resp: 1434801

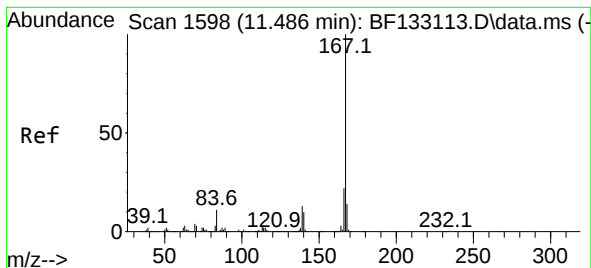
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 16.0 12.4 18.6





#73

Carbazole

Concen: 50.417 ng

RT: 11.475 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

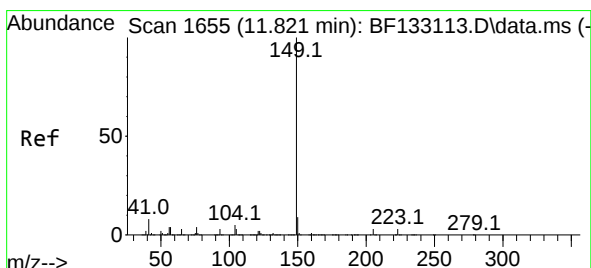
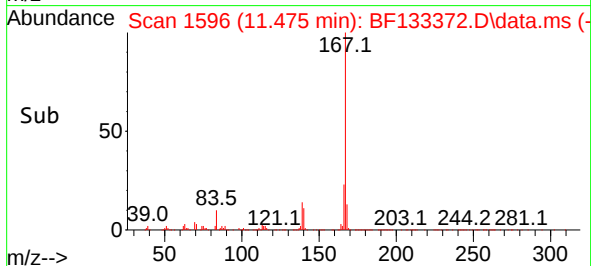
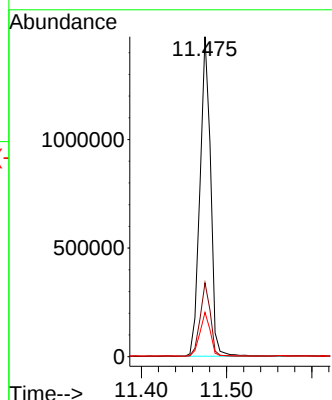
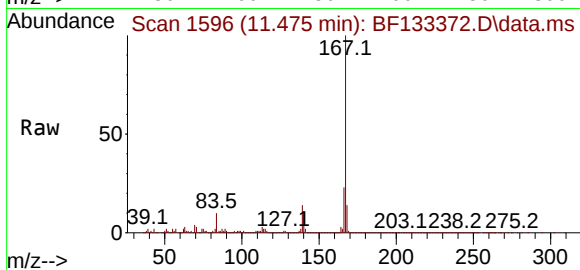
Tgt Ion:167 Resp: 1275444

Ion Ratio Lower Upper

167 100

166 23.1 17.4 26.0

139 13.9 10.6 16.0



#74

Di-n-butylphthalate

Concen: 54.437 ng

RT: 11.810 min Scan# 1653

Delta R.T. 0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

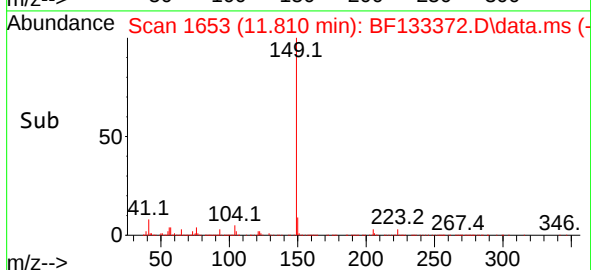
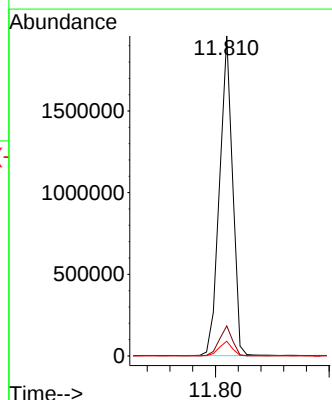
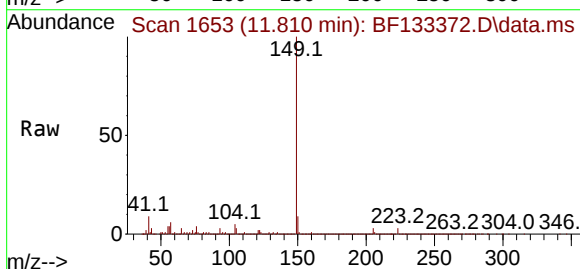
Tgt Ion:149 Resp: 1558472

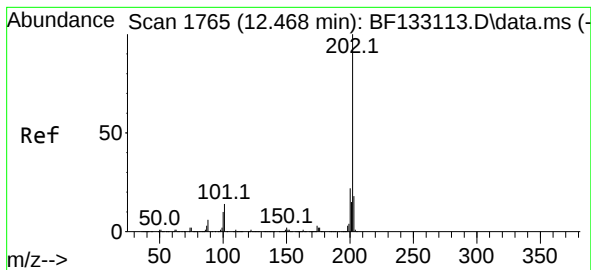
Ion Ratio Lower Upper

149 100

150 9.4 7.6 11.4

104 4.6 4.0 6.0





#75

Fluoranthene

Concen: 50.975 ng

RT: 12.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

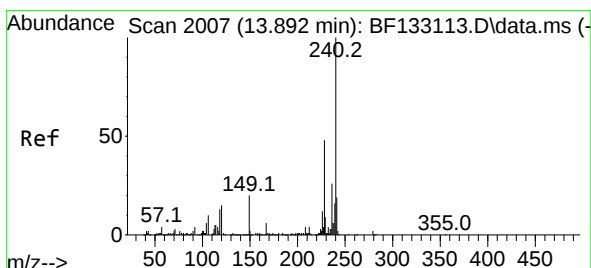
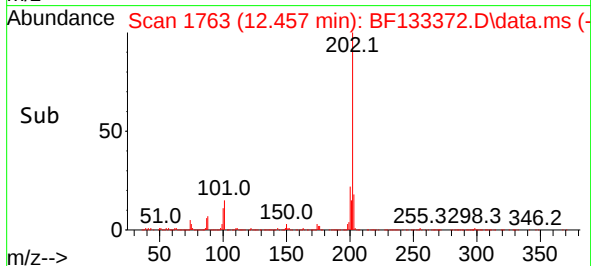
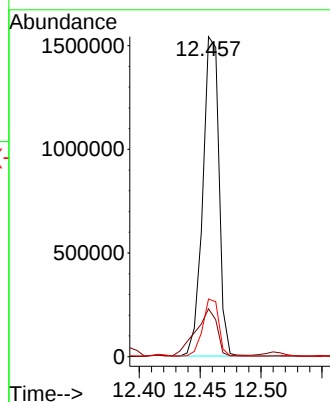
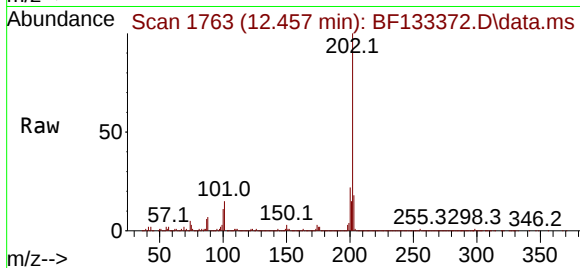
Tgt Ion:202 Resp: 1420275

Ion Ratio Lower Upper

202 100

101 15.0 0.0 35.3

203 18.0 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

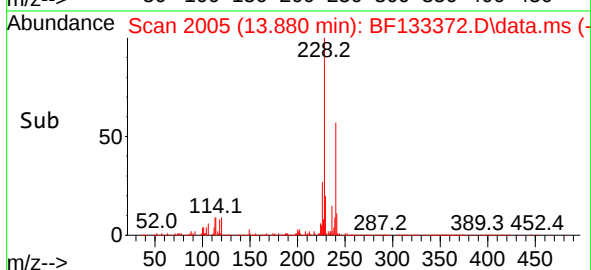
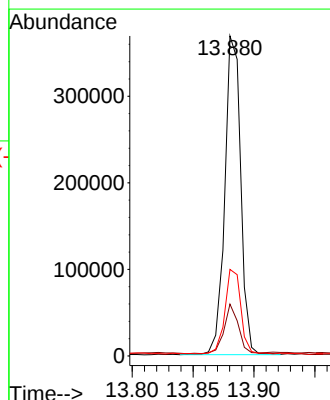
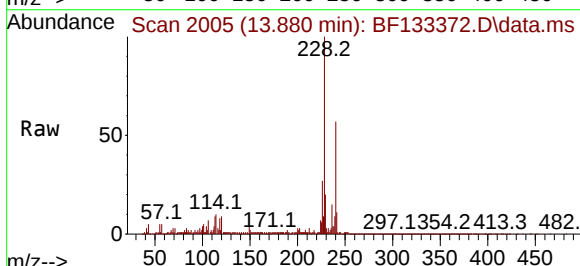
Tgt Ion:240 Resp: 334389

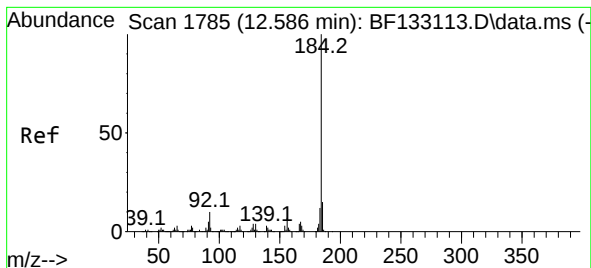
Ion Ratio Lower Upper

240 100

120 16.2 10.5 15.7#

236 27.0 21.5 32.3





#77

Benzidine

Concen: 135.149 ng

RT: 12.604 min Scan# 1

Delta R.T. 0.030 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

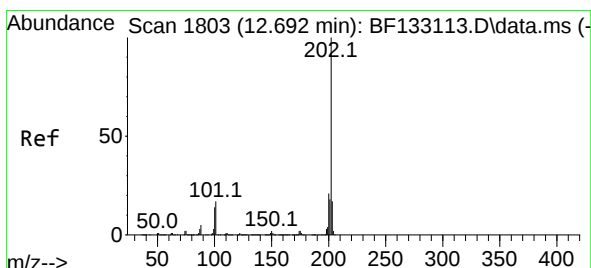
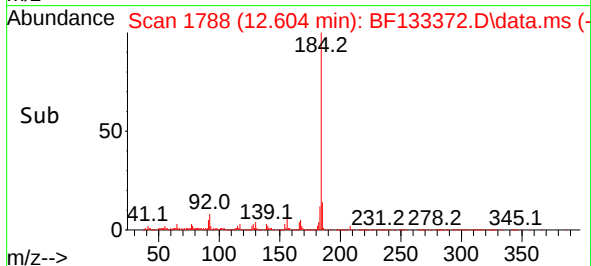
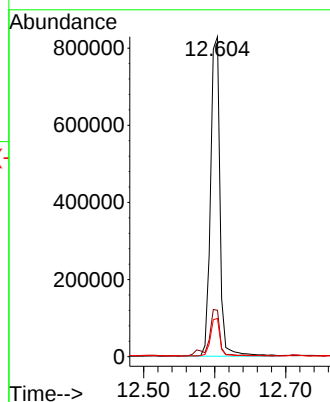
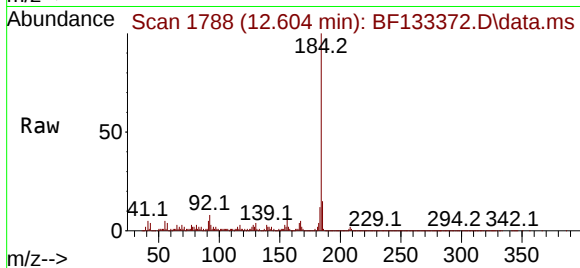
Tgt Ion:184 Resp: 764228

Ion Ratio Lower Upper

184 100

185 14.5 15.4 23.2#

183 12.0 9.4 14.0



#78

Pyrene

Concen: 55.406 ng

RT: 12.692 min Scan# 1803

Delta R.T. 0.012 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

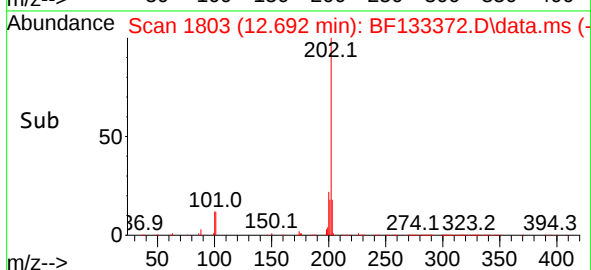
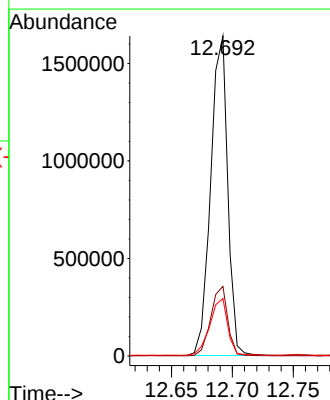
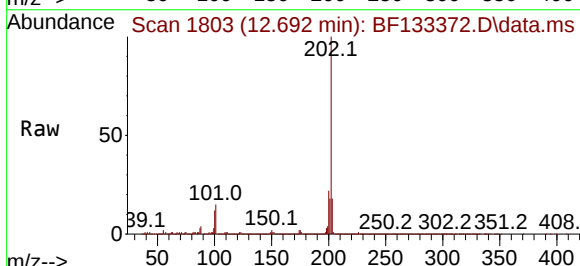
Tgt Ion:202 Resp: 1588215

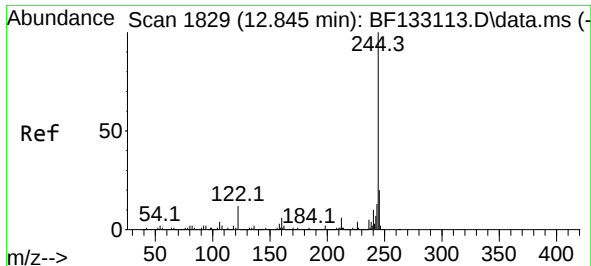
Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 18.0 14.1 21.1

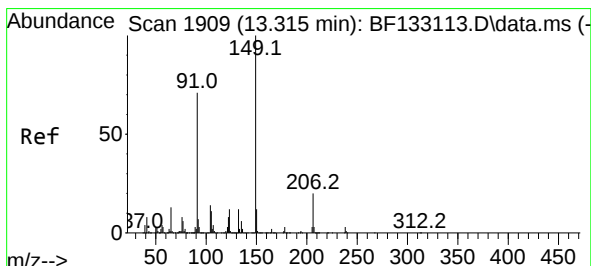
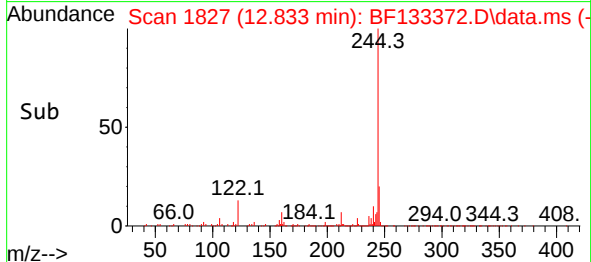
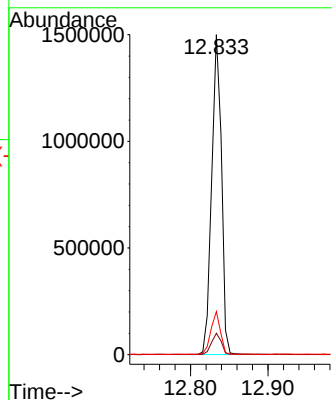
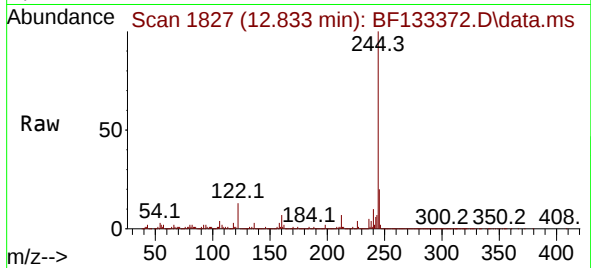




#79
 Terphenyl-d14
 Concen: 67.676 ng
 RT: 12.833 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF133372.D
 Acq: 12 May 2023 16:39

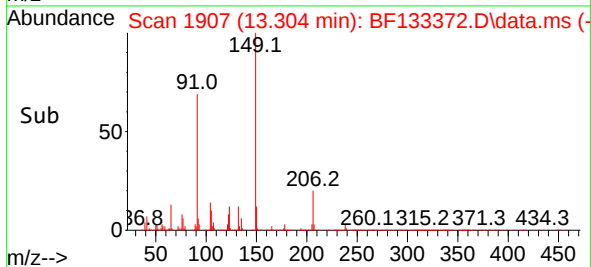
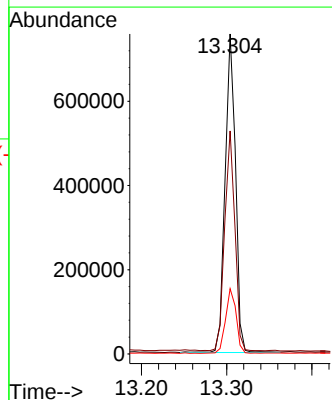
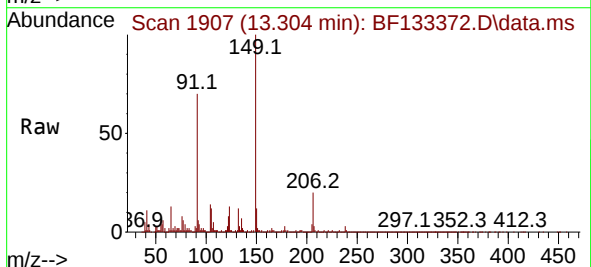
Instrument :
 BNA_F
 ClientSampleId :
 HR-2-051123MS

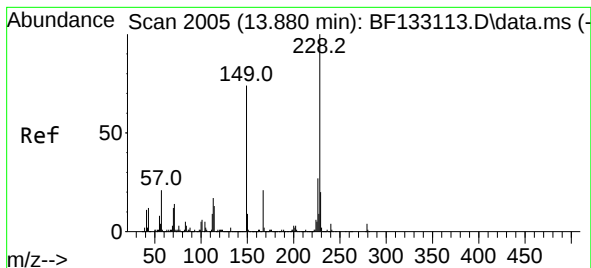
Tgt Ion:244 Resp: 1312142
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 13.4 8.6 13.0#



#80
 Butylbenzylphthalate
 Concen: 63.054 ng
 RT: 13.304 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: BF133372.D
 Acq: 12 May 2023 16:39

Tgt Ion:149 Resp: 639966
 Ion Ratio Lower Upper
 149 100
 91 69.7 53.8 80.6
 206 20.4 17.5 26.3





#81

Benzo(a)anthracene

Concen: 54.123 ng

RT: 13.874 min Scan# 2005

Delta R.T. 0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

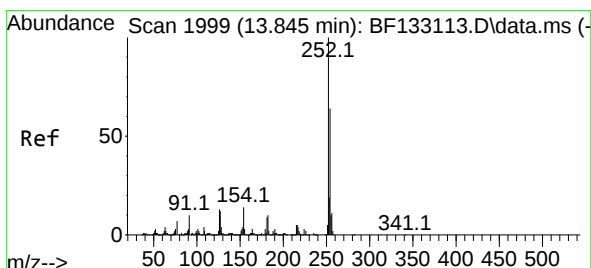
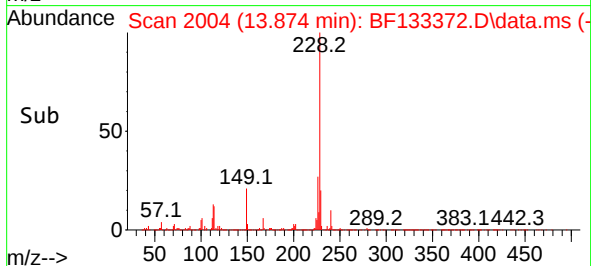
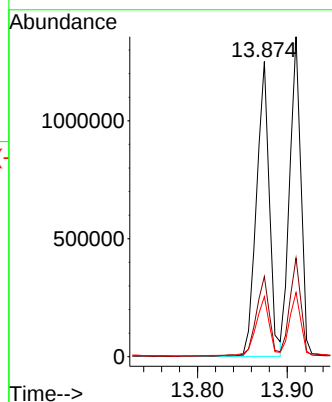
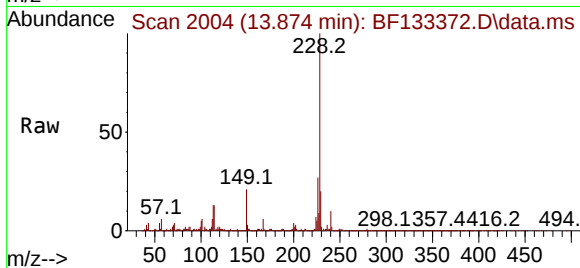
Tgt Ion:228 Resp: 1244543

Ion Ratio Lower Upper

228 100

226 27.1 22.2 33.4

229 20.3 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 52.700 ng

RT: 13.839 min Scan# 1998

Delta R.T. 0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

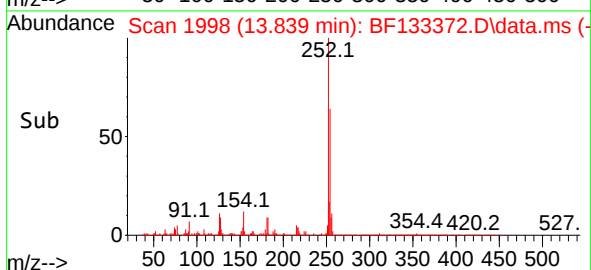
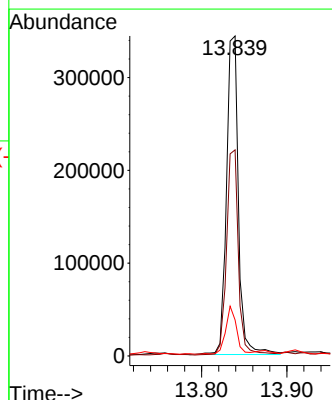
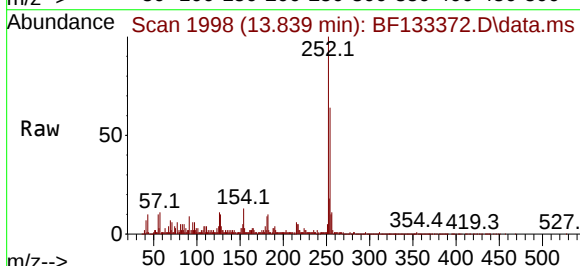
Tgt Ion:252 Resp: 334771

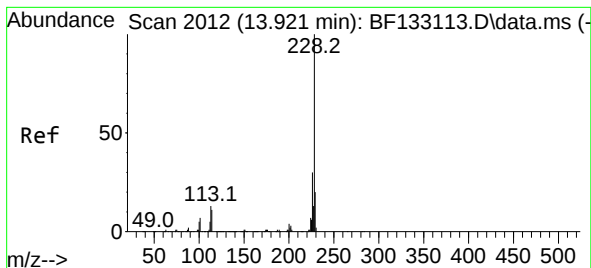
Ion Ratio Lower Upper

252 100

254 64.4 51.5 77.3

126 11.3 9.5 14.3





#83

Chrysene

Concen: 50.877 ng

RT: 13.910 min Scan# 2012

Delta R.T. 0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

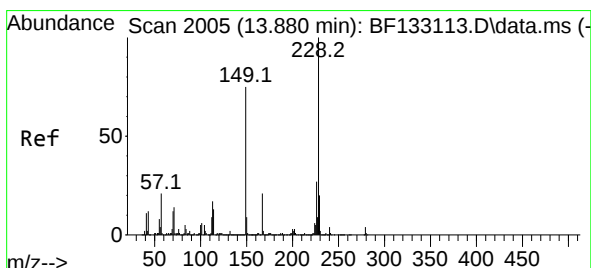
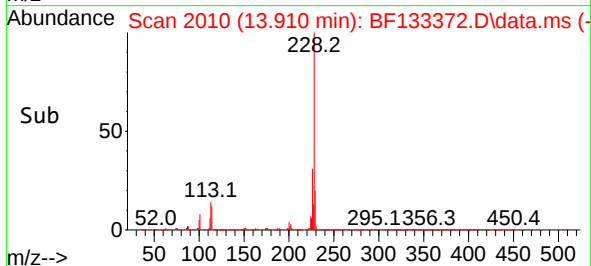
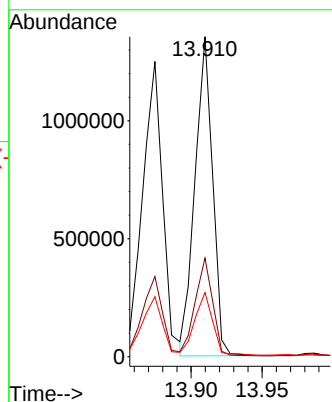
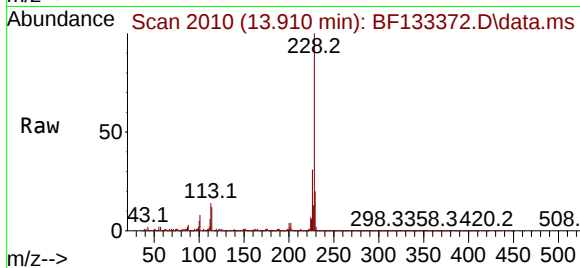
Tgt Ion:228 Resp: 1169632

Ion Ratio Lower Upper

228 100

226 30.8 24.7 37.1

229 20.0 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 61.963 ng

RT: 13.863 min Scan# 2002

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

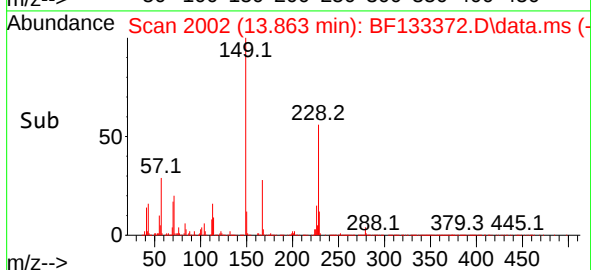
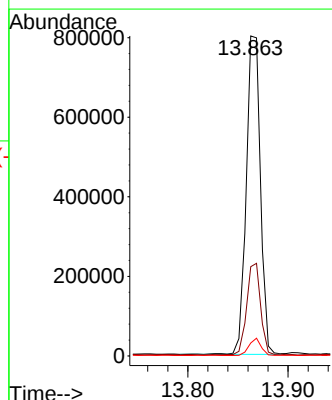
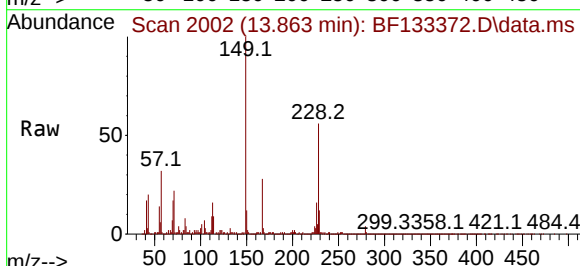
Tgt Ion:149 Resp: 789380

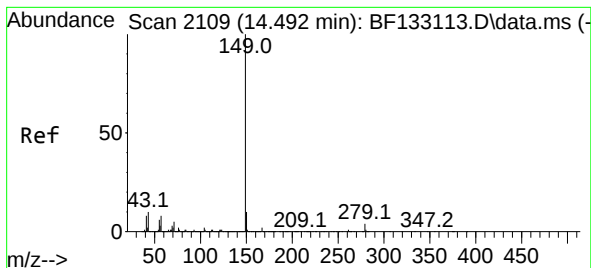
Ion Ratio Lower Upper

149 100

167 27.9 22.5 33.7

279 4.0 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 67.270 ng

RT: 14.474 min Scan# 2106

Delta R.T. 0.000 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

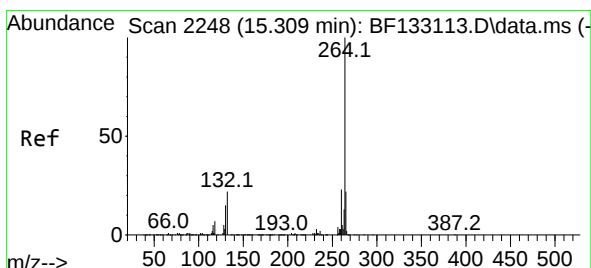
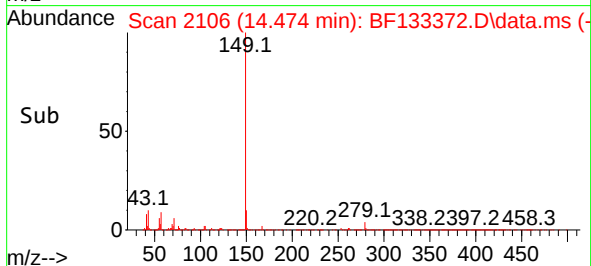
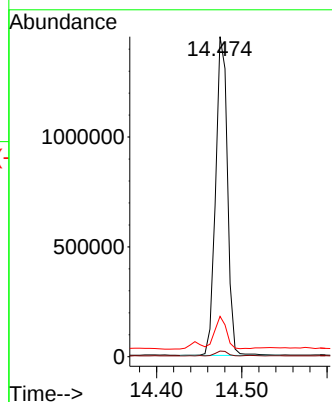
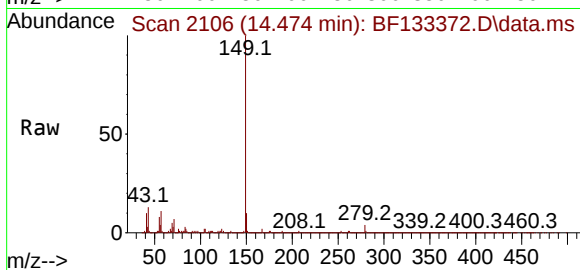
Tgt Ion:149 Resp: 1397364

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 9.8 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. 0.012 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

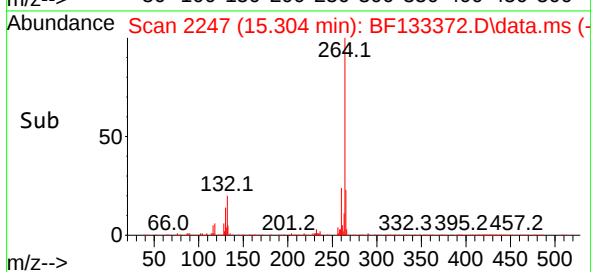
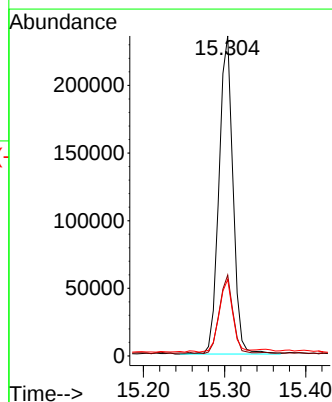
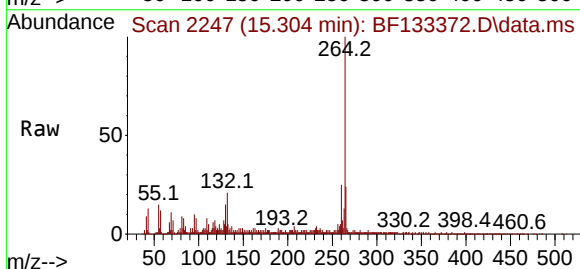
Tgt Ion:264 Resp: 281812

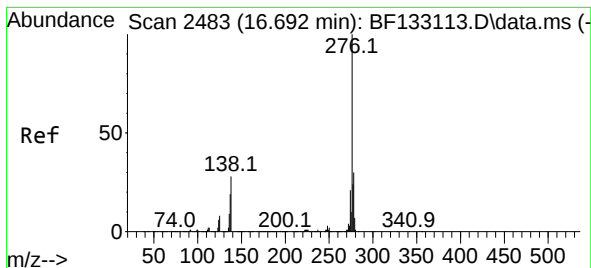
Ion Ratio Lower Upper

264 100

260 25.3 18.8 28.2

265 23.9 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 54.387 ng

RT: 16.692 min Scan# 2483

Delta R.T. 0.012 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

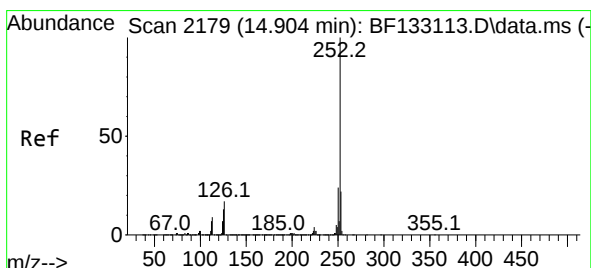
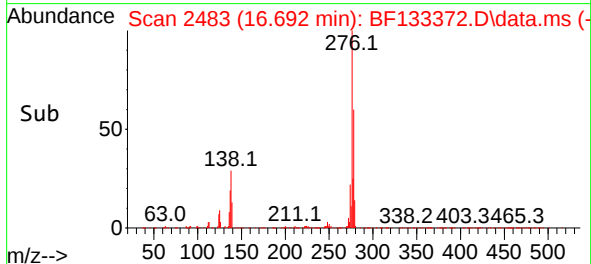
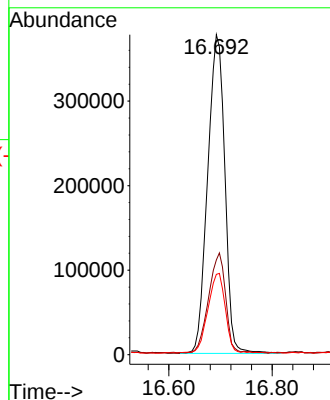
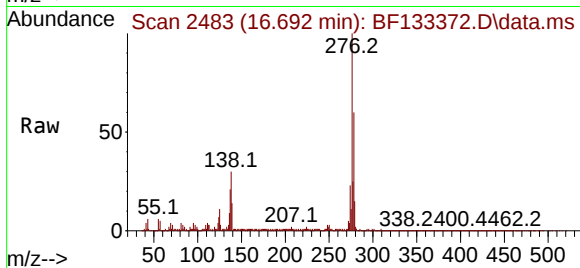
Tgt Ion:276 Resp: 871824

Ion Ratio Lower Upper

276 100

138 31.4 25.5 38.3

277 25.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 53.445 ng

RT: 14.927 min Scan# 2183

Delta R.T. 0.035 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

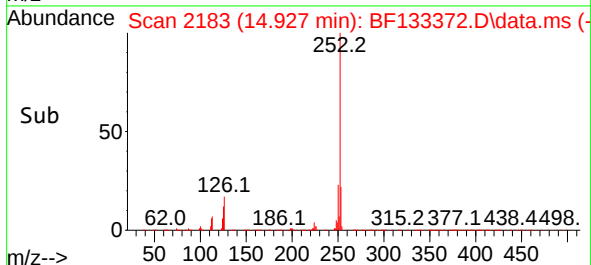
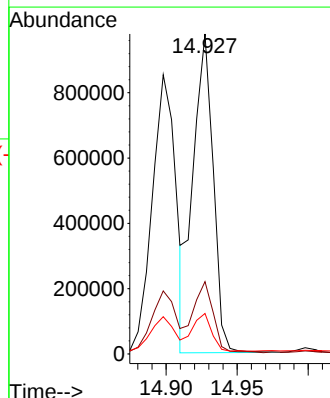
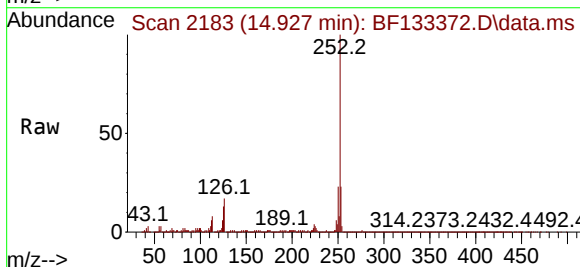
Tgt Ion:252 Resp: 958197

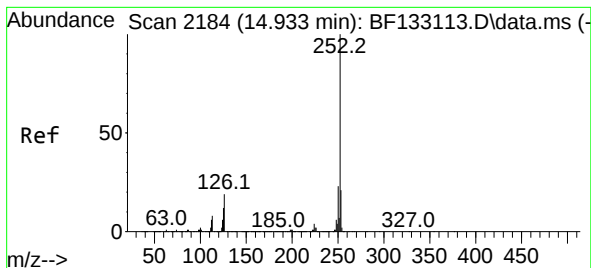
Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 12.7 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 53.915 ng

RT: 14.927 min Scan# 2183

Delta R.T. 0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

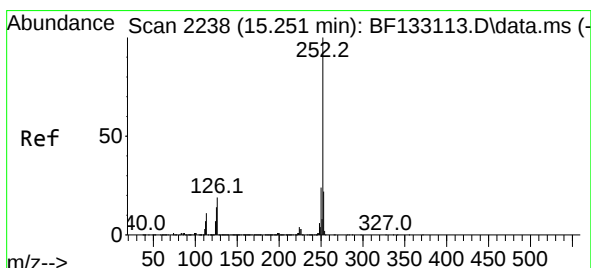
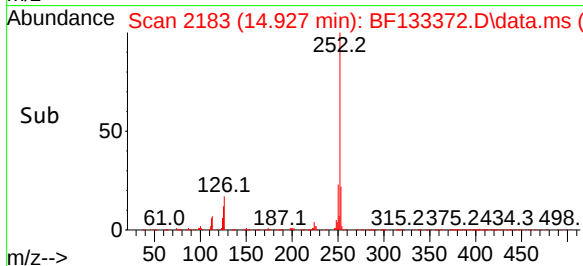
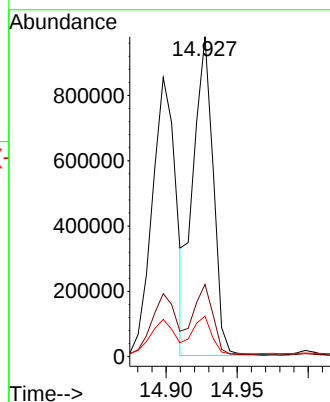
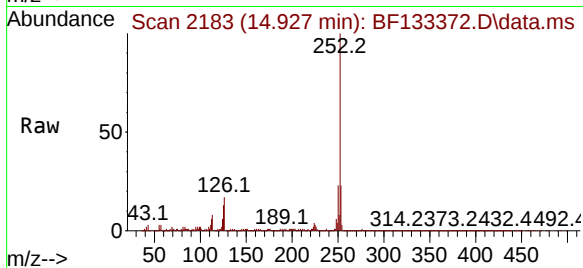
Tgt Ion:252 Resp: 958197

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 12.7 9.0 13.4



#90

Benzo(a)pyrene

Concen: 50.412 ng

RT: 15.245 min Scan# 2237

Delta R.T. 0.006 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

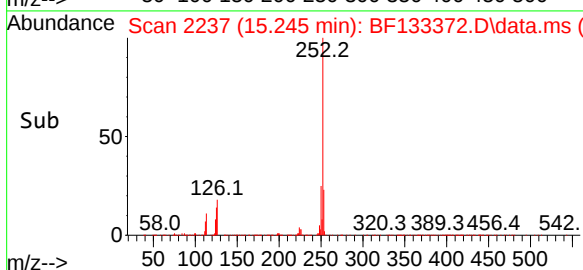
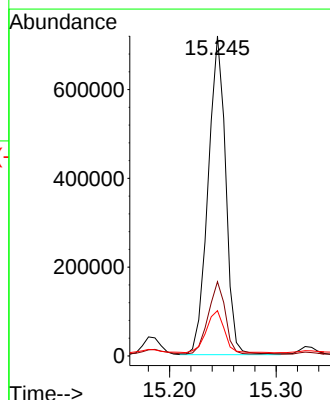
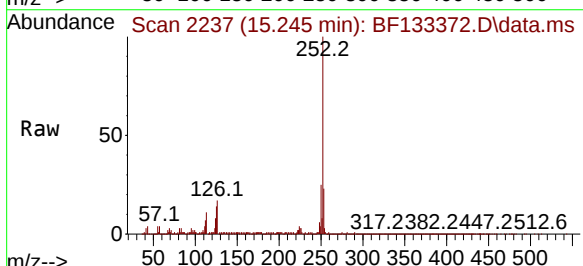
Tgt Ion:252 Resp: 822653

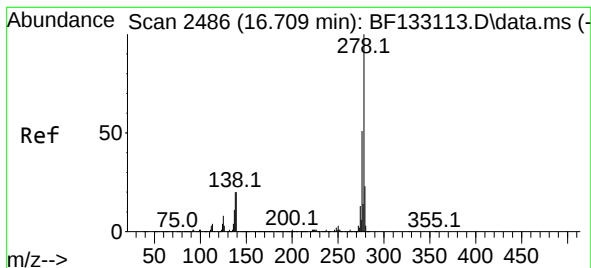
Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 14.2 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 53.849 ng

RT: 16.704 min Scan# 2486

Delta R.T. 0.012 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MS

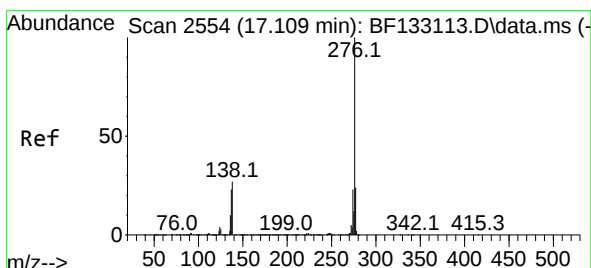
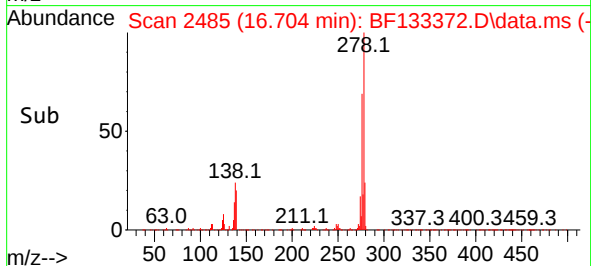
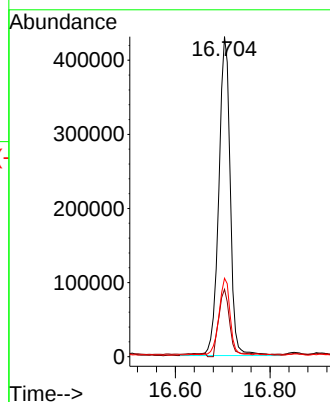
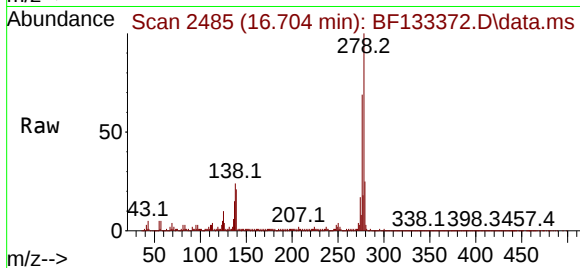
Tgt Ion:278 Resp: 719949

Ion Ratio Lower Upper

278 100

139 21.1 16.6 24.8

279 24.5 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 53.591 ng

RT: 17.110 min Scan# 2554

Delta R.T. 0.018 min

Lab File: BF133372.D

Acq: 12 May 2023 16:39

Tgt Ion:276 Resp: 707368

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 26.6 22.7 34.1

