

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
 Data File : BF133373.D
 Acq On : 12 May 2023 17:12
 Operator : CG\JU
 Sample : 02760-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-2-051123MSD

Quant Time: May 12 17:32:39 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	185663	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	705259	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	315556	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	486830	20.000	ng	# 0.00
76) Chrysene-d12	13.886	240	314853	20.000	ng	0.00
86) Perylene-d12	15.304	264	255145	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.339	112	1164817	94.773	ng	0.01
7) Phenol-d6	6.369	99	1375961	90.196	ng	0.00
23) Nitrobenzene-d5	7.292	82	832568	63.720	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	266216	83.887	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1386226	73.494	ng	0.00
79) Terphenyl-d14	12.833	244	1301438	71.289	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.387	88	241721	42.401	ng	97
3) Pyridine	3.081	79	640448	42.298	ng	95
4) n-Nitrosodimethylamine	3.045	42	348650	44.455	ng	99
6) Aniline	6.386	93	786364	40.022	ng	# 30
8) 2-Chlorophenol	6.510	128	659812	52.874	ng	97
9) Benzaldehyde	6.269	77	445094	Below Cal		99
10) Phenol	6.386	94	782785	46.513	ng	# 71
11) bis(2-Chloroethyl)ether	6.457	93	620132	49.104	ng	99
12) 1,3-Dichlorobenzene	6.663	146	687372	51.809	ng	99
13) 1,4-Dichlorobenzene	6.739	146	691683	52.019	ng	98
14) 1,2-Dichlorobenzene	6.892	146	660085	53.846	ng	98
15) Benzyl Alcohol	6.875	79	538308	51.084	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.004	45	965805	44.031	ng	86
17) 2-Methylphenol	6.992	107	524241	45.878	ng	97
18) Hexachloroethane	7.233	117	223325	48.309	ng	96
19) n-Nitroso-di-n-propyla...	7.145	70	401747	42.302	ng	95
20) 3+4-Methylphenols	7.145	107	640499	47.597	ng	# 75
22) Acetophenone	7.133	105	889898	54.471	ng	# 94
24) Nitrobenzene	7.310	77	647642	48.915	ng	99
25) Isophorone	7.551	82	1202298	48.465	ng	99
26) 2-Nitrophenol	7.628	139	347889	54.476	ng	95
27) 2,4-Dimethylphenol	7.675	122	570189	52.070	ng	98
28) bis(2-Chloroethoxy)met...	7.763	93	731008	49.810	ng	99
29) 2,4-Dichlorophenol	7.875	162	514834	51.645	ng	98
30) 1,2,4-Trichlorobenzene	7.951	180	539039	52.195	ng	99
31) Naphthalene	8.033	128	1749456	49.615	ng	100
32) Benzoic acid	7.804	122	284777	42.102	ng	97
33) 4-Chloroaniline	8.080	127	546522	38.361	ng	98
34) Hexachlorobutadiene	8.151	225	291861	50.990	ng	98
35) Caprolactam	8.463	113	170311	50.857	ng	96
36) 4-Chloro-3-methylphenol	8.575	107	516510	48.048	ng	96
37) 2-Methylnaphthalene	8.722	142	1137095	47.169	ng	99
38) 1-Methylnaphthalene	8.822	142	1043228	46.260	ng	99
40) 1,2,4,5-Tetrachloroben...	8.892	216	467268	55.074	ng	99
41) Hexachlorocyclopentadiene	8.875	237	43932	8.878	ng	99
43) 2,4,6-Trichlorophenol	9.004	196	319128	54.389	ng	100

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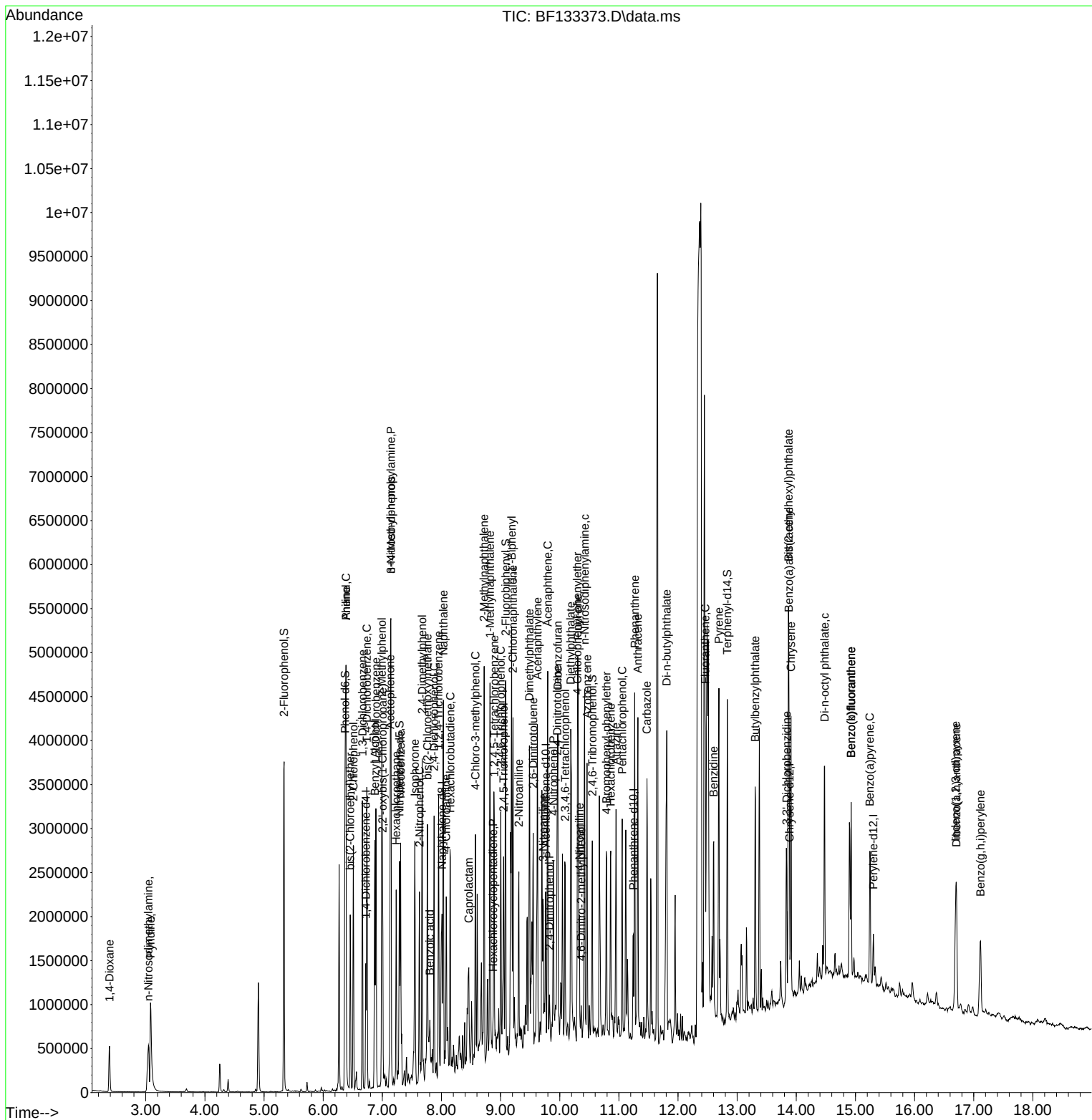
Instrument :
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 ClientSampleId :
 HR-2-051123MSD

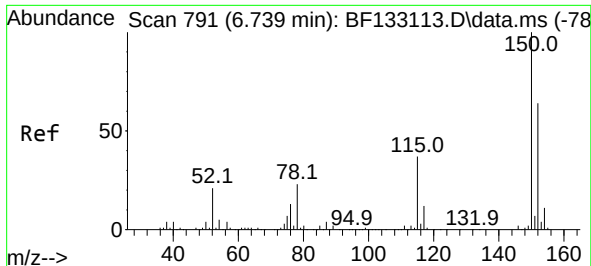
Quant Time: May 12 17:32:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.051	196	326178	48.066	ng	98
46) 1,1'-Biphenyl	9.186	154	1347849	53.866	ng	98
47) 2-Chloronaphthalene	9.210	162	975391	53.258	ng	100
48) 2-Nitroaniline	9.310	65	319969	52.862	ng	95
49) Acenaphthylene	9.622	152	1462812	49.987	ng	100
50) Dimethylphthalate	9.486	163	1178751	53.572	ng	100
51) 2,6-Dinitrotoluene	9.551	165	251436	50.771	ng	92
52) Acenaphthene	9.798	154	903467	46.096	ng	99
53) 3-Nitroaniline	9.722	138	276547	46.964	ng	94
54) 2,4-Dinitrophenol	9.827	184	39548	15.887	ng	97
55) Dibenzofuran	9.969	168	1272157	47.583	ng	99
56) 4-Nitrophenol	9.892	139	393582	86.299	ng	90
57) 2,4-Dinitrotoluene	9.957	165	300268	47.544	ng	# 90
58) Fluorene	10.310	166	949105	48.454	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.092	232	247838	47.109	ng	# 94
60) Diethylphthalate	10.186	149	1041710	50.122	ng	99
61) 4-Chlorophenyl-phenyle...	10.298	204	461100	48.306	ng	94
62) 4-Nitroaniline	10.333	138	248506	45.917	ng	97
63) Azobenzene	10.463	77	1007294	45.752	ng	96
65) 4,6-Dinitro-2-methylph...	10.363	198	34988	11.857	ng	# 65
66) n-Nitrosodiphenylamine	10.421	169	842786	53.370	ng	98
67) 4-Bromophenyl-phenylether	10.792	248	272116	51.538	ng	98
68) Hexachlorobenzene	10.863	284	281011	51.940	ng	98
69) Atrazine	10.951	200	285977	62.849	ng	98
70) Pentachlorophenol	11.057	266	311428	80.824	ng	97
71) Phenanthrene	11.268	178	1412005	53.964	ng	100
72) Anthracene	11.321	178	1373029	51.275	ng	100
73) Carbazole	11.474	167	1253556	52.574	ng	98
74) Di-n-butylphthalate	11.810	149	1478184	54.782	ng	99
75) Fluoranthene	12.463	202	1446040	55.066	ng	97
77) Benzidine	12.604	184	787348	147.877	ng	# 93
78) Pyrene	12.692	202	1596561	59.153	ng	100
80) Butylbenzylphthalate	13.304	149	622466	65.135	ng	95
81) Benzo(a)anthracene	13.874	228	1145198	52.892	ng	99
82) 3,3'-Dichlorobenzidine	13.839	252	329399	55.072	ng	99
83) Chrysene	13.909	228	1088072	50.266	ng	100
84) Bis(2-ethylhexyl)phtha...	13.868	149	776155	64.706	ng	98
85) Di-n-octyl phthalate	14.480	149	1279180	65.402	ng	95
87) Indeno(1,2,3-cd)pyrene	16.698	276	844920	58.217	ng	98
88) Benzo(b)fluoranthene	14.927	252	778934	47.987	ng	97
89) Benzo(k)fluoranthene	14.927	252	778934	48.409	ng	97
90) Benzo(a)pyrene	15.245	252	738329	49.973	ng	98
91) Dibenzo(a,h)anthracene	16.709	278	688830	56.906	ng	99
92) Benzo(g,h,i)perylene	17.115	276	684666	57.292	ng	97

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

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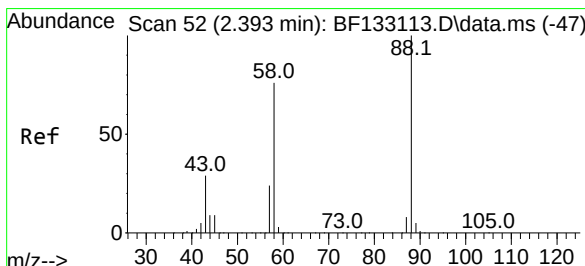
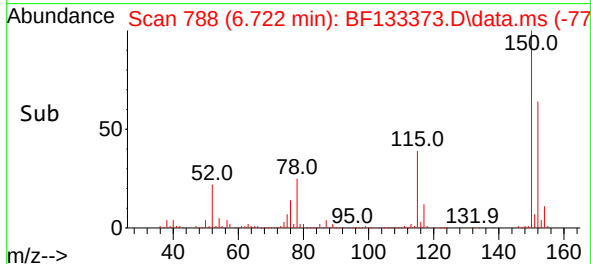
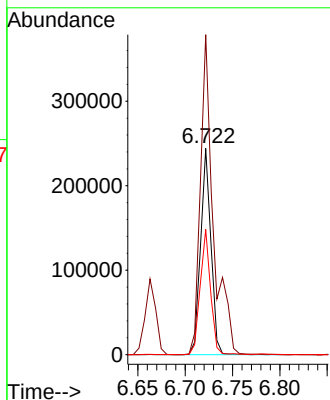
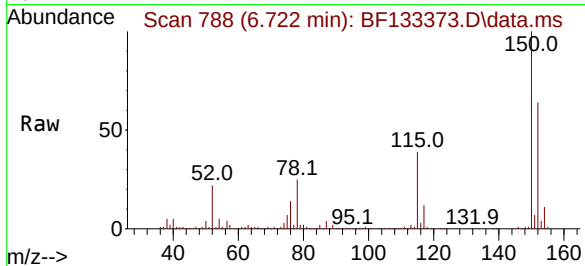




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF133373.D
 Acq: 12 May 2023 17:12

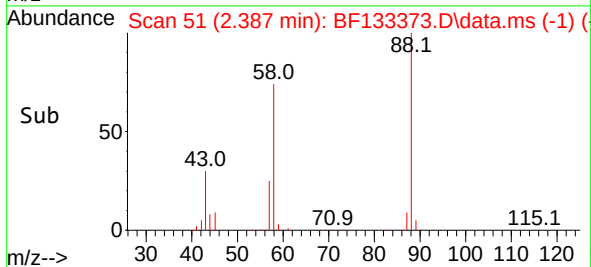
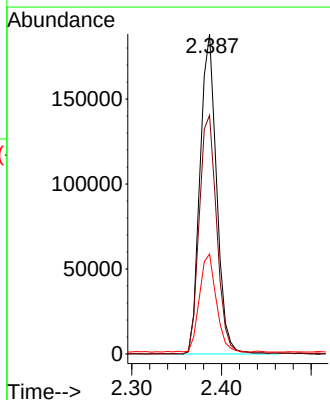
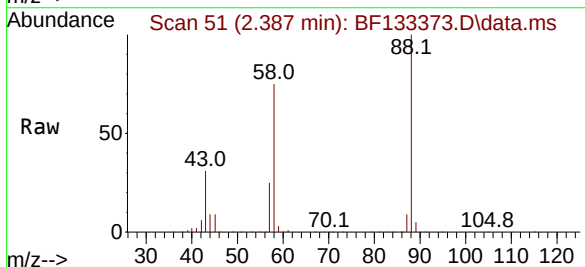
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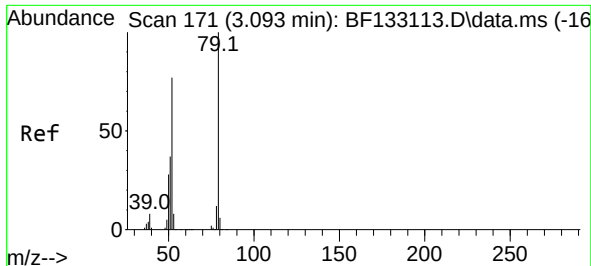
Tgt Ion:152 Resp: 185663
 Ion Ratio Lower Upper
 152 100
 150 155.1 124.8 187.2
 115 60.7 49.9 74.9



#2
 1,4-Dioxane
 Concen: 42.401 ng
 RT: 2.387 min Scan# 51
 Delta R.T. 0.023 min
 Lab File: BF133373.D
 Acq: 12 May 2023 17:12

Tgt Ion: 88 Resp: 241721
 Ion Ratio Lower Upper
 88 100
 58 78.2 64.7 97.1
 43 31.2 26.2 39.2

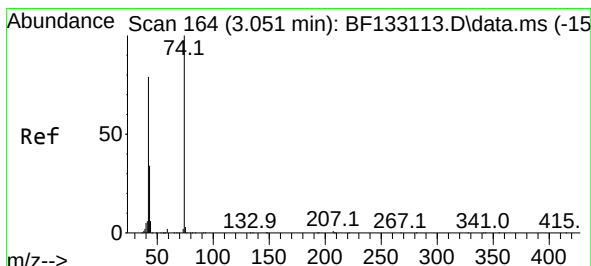
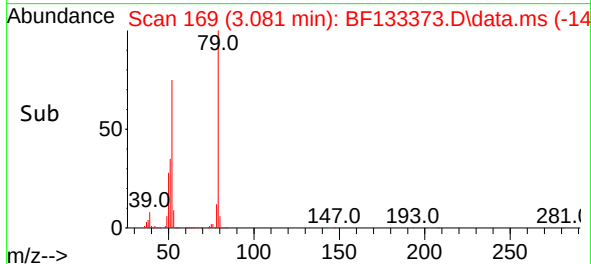
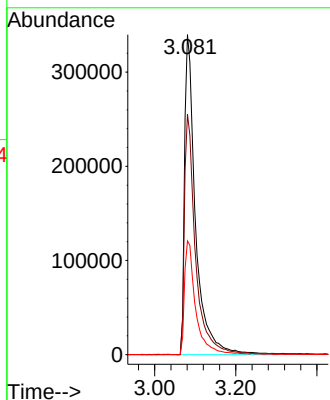
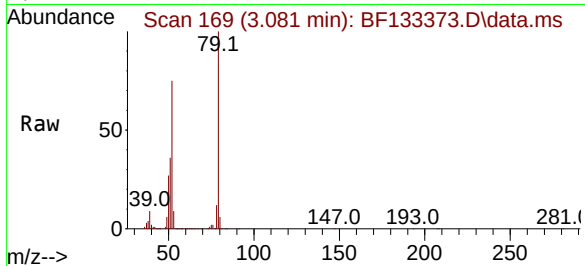




#3
Pyridine
Concen: 42.298 ng
RT: 3.081 min Scan# 1
Delta R.T. 0.023 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

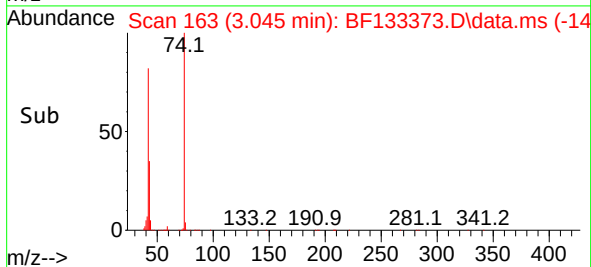
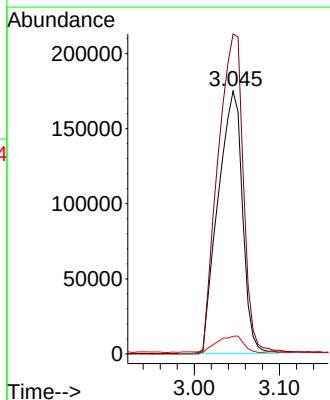
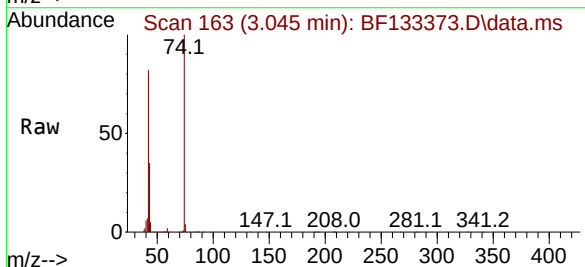
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

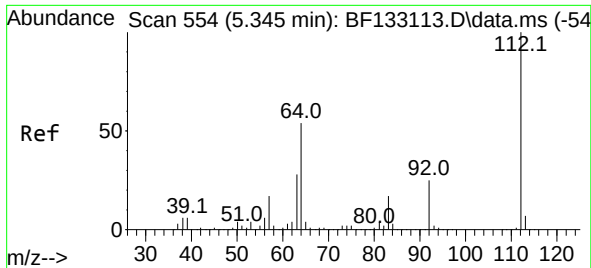
Tgt Ion: 79 Resp: 640448
Ion Ratio Lower Upper
79 100
52 75.2 64.6 96.8
51 35.5 30.0 45.0



#4
n-Nitrosodimethylamine
Concen: 44.455 ng
RT: 3.045 min Scan# 163
Delta R.T. 0.023 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion: 42 Resp: 348650
Ion Ratio Lower Upper
42 100
74 121.8 98.0 147.0
44 6.7 5.8 8.8

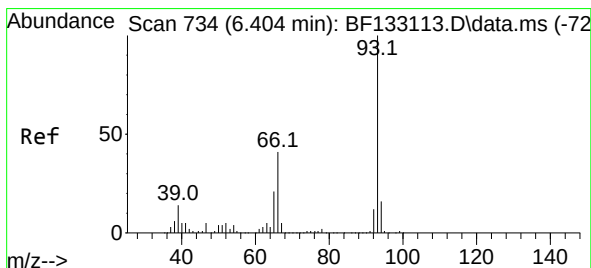
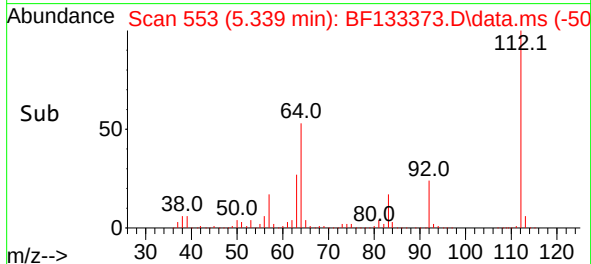
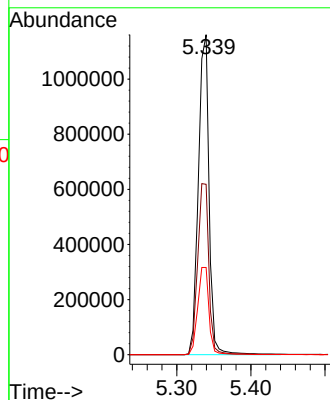
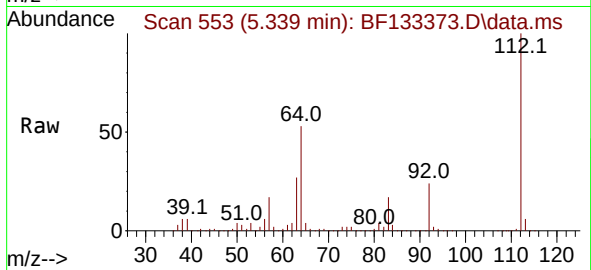




#5
2-Fluorophenol
Concen: 94.773 ng
RT: 5.339 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

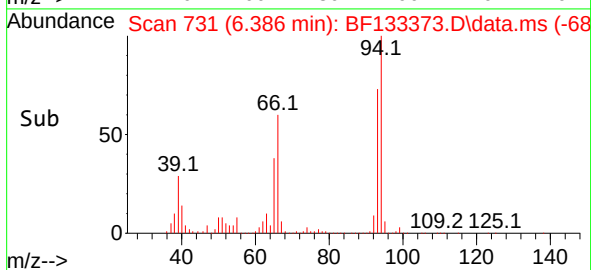
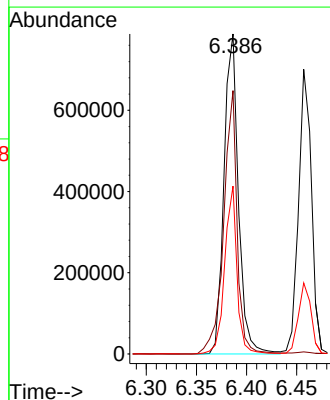
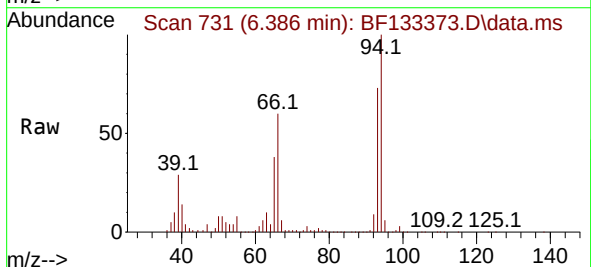
Instrument :
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ClientSampleId :
HR-2-051123MSD

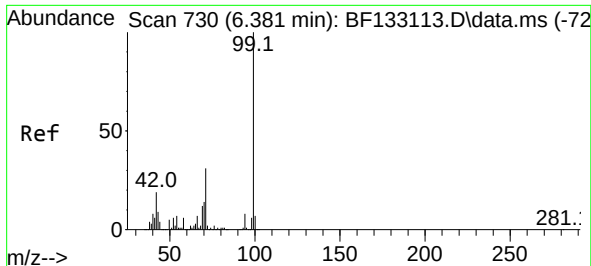
Tgt Ion:112 Resp: 1164817
Ion Ratio Lower Upper
112 100
64 53.3 46.8 70.2
63 27.2 23.8 35.8



#6
Aniline
Concen: 40.022 ng
RT: 6.386 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion: 93 Resp: 786364
Ion Ratio Lower Upper
93 100
66 82.3 31.5 47.3#
65 52.4 16.4 24.6#





#7

Phenol-d6

Concen: 90.196 ng

RT: 6.369 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

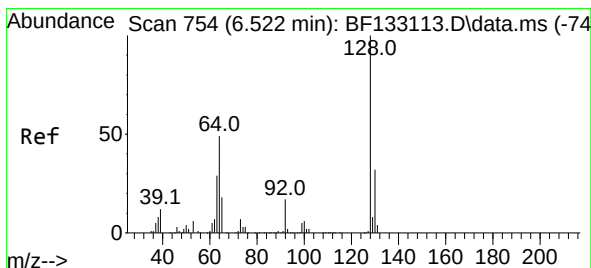
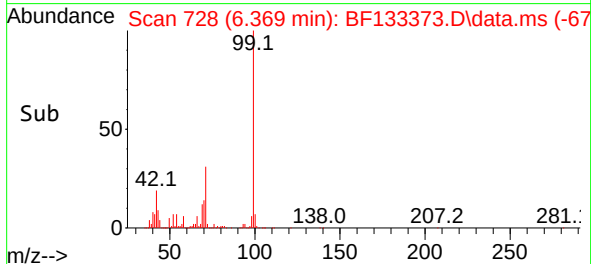
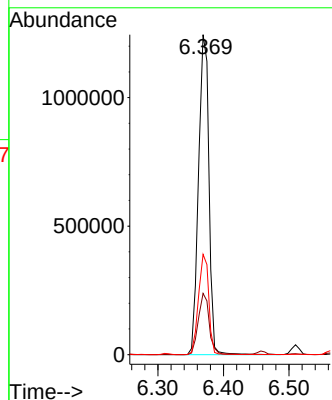
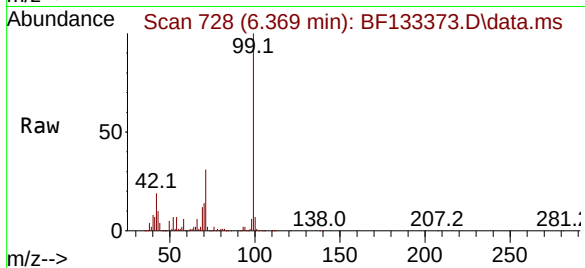
BNA_F

ClientSampleId :

HR-2-051123MSD

Tgt Ion: 99 Resp: 1375961

Ion	Ratio	Lower	Upper
99	100		
42	19.2	16.3	24.5
71	31.4	25.6	38.4



#8

2-Chlorophenol

Concen: 52.874 ng

RT: 6.510 min Scan# 752

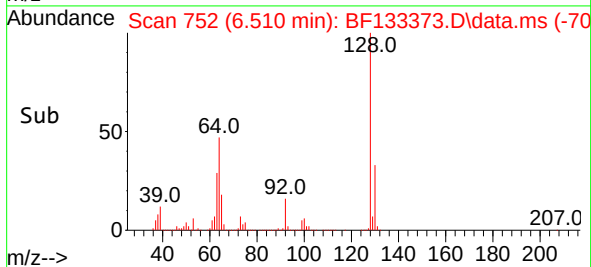
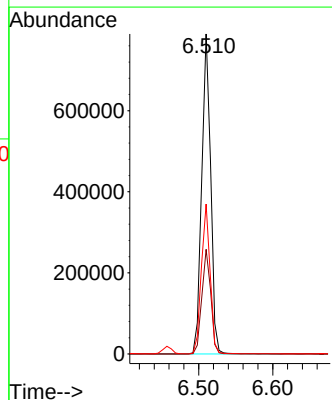
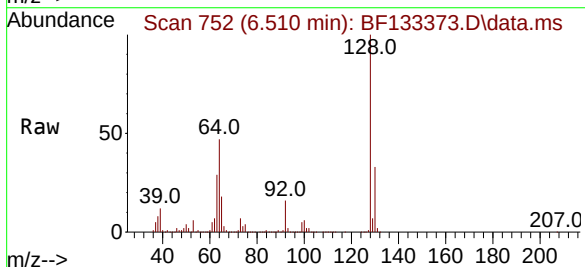
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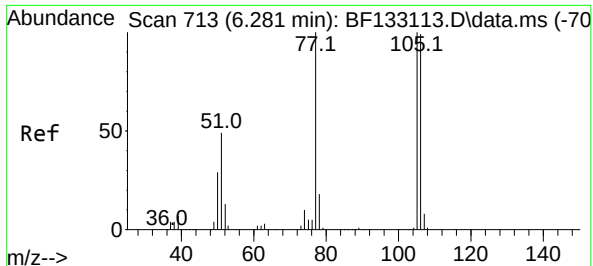
Lab File: BF133373.D

Acq: 12 May 2023 17:12

Tgt Ion: 128 Resp: 659812

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.2	52.2
64	46.9	30.3	70.3

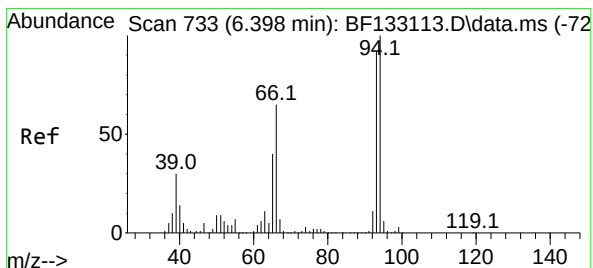
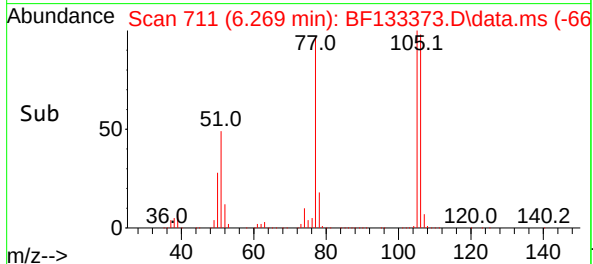
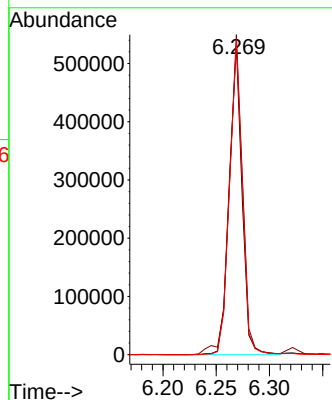
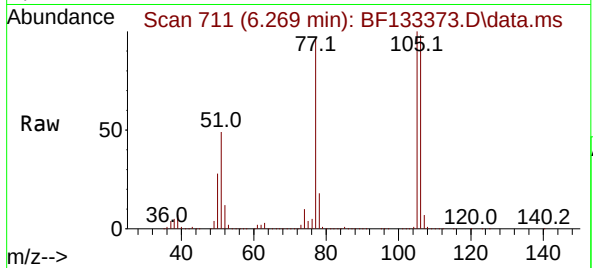




#9
Benzaldehyde
Concen: Below Cal
RT: 6.269 min Scan# 711
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

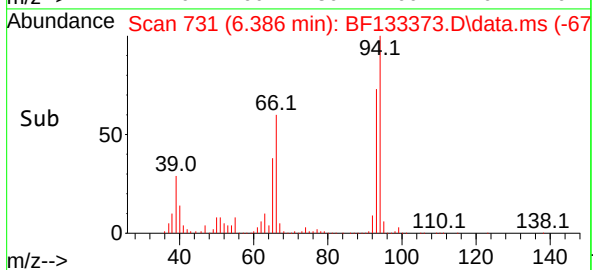
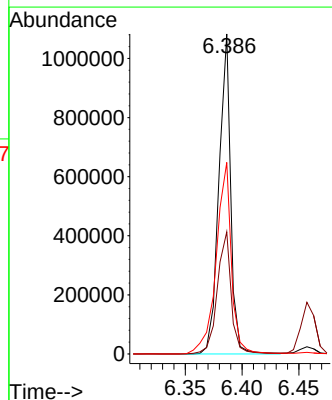
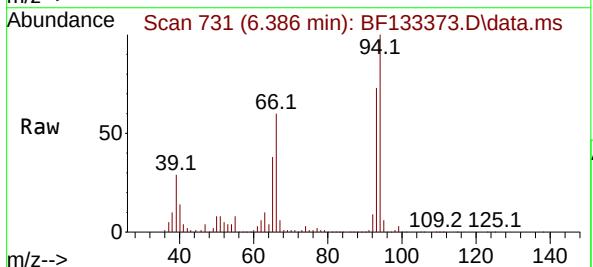
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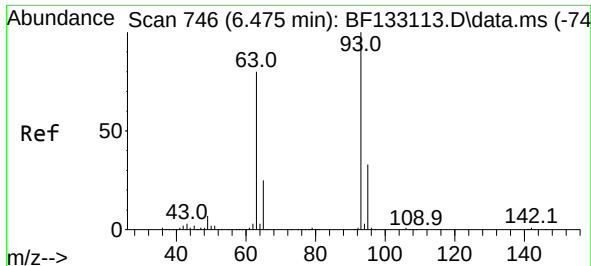
Tgt Ion: 77 Resp: 445094
Ion Ratio Lower Upper
77 100
105 103.3 82.3 122.3
106 101.6 80.8 120.8



#10
Phenol
Concen: 46.513 ng
RT: 6.386 min Scan# 731
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion: 94 Resp: 782785
Ion Ratio Lower Upper
94 100
65 38.2 8.6 48.6
66 59.9 17.3 57.3#





#11

bis(2-Chloroethyl)ether

Concen: 49.104 ng

RT: 6.457 min Scan# 746

Delta R.T. -0.006 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

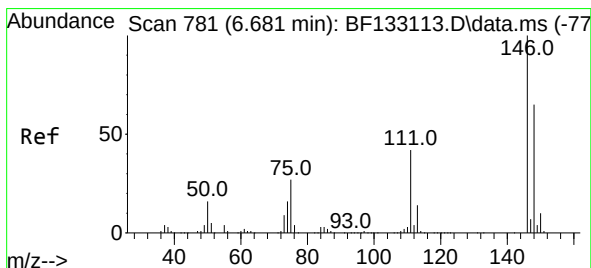
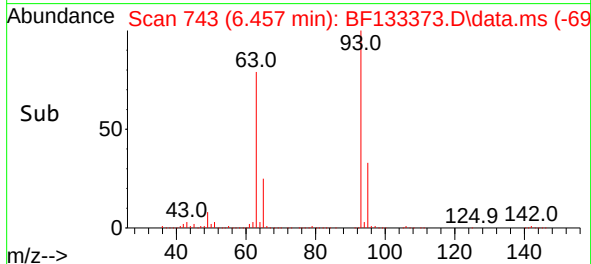
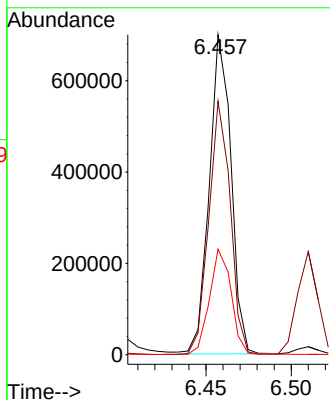
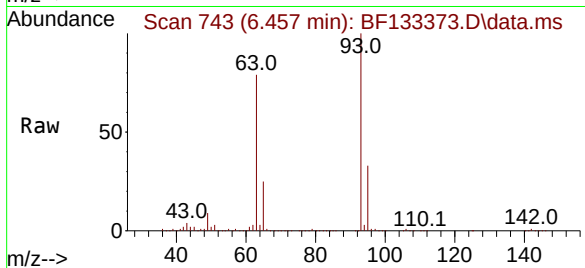
Tgt Ion: 93 Resp: 620132

Ion Ratio Lower Upper

93 100

63 79.2 60.6 100.6

95 33.0 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 51.809 ng

RT: 6.663 min Scan# 778

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

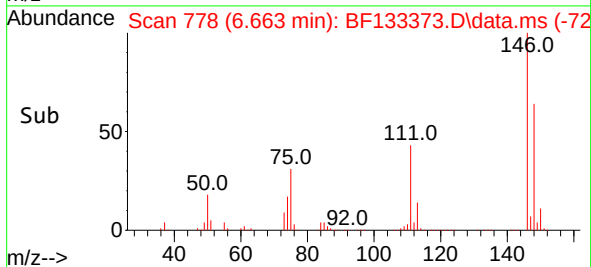
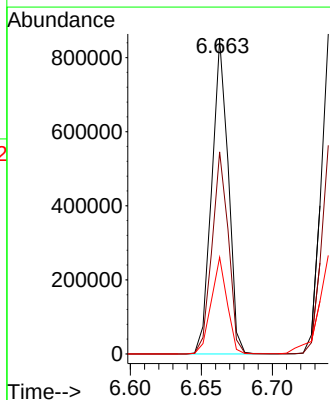
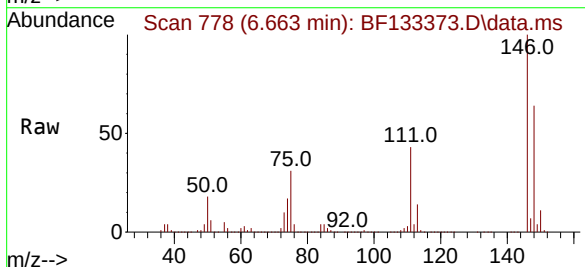
Tgt Ion: 146 Resp: 687372

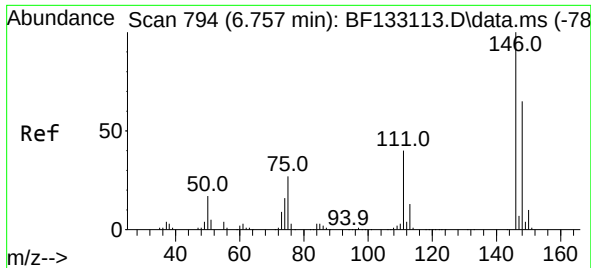
Ion Ratio Lower Upper

146 100

148 64.1 51.0 76.4

75 30.7 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 52.019 ng

RT: 6.739 min Scan# 794

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

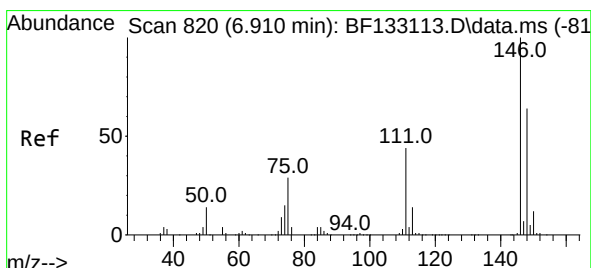
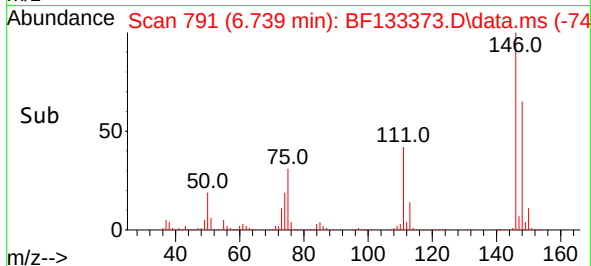
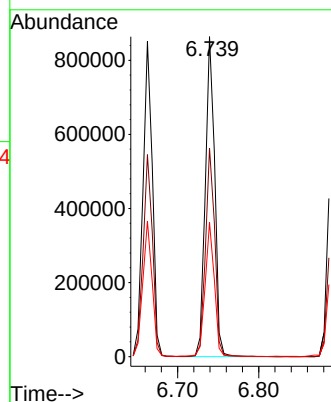
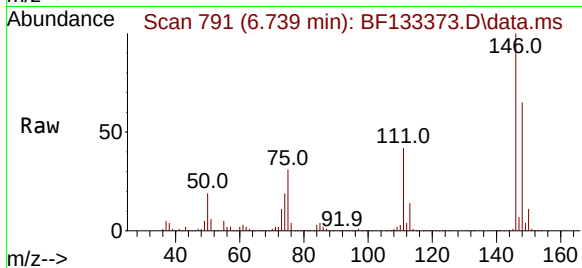
Tgt Ion:146 Resp: 691683

Ion Ratio Lower Upper

146 100

148 65.2 50.3 75.5

111 41.9 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 53.846 ng

RT: 6.892 min Scan# 817

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

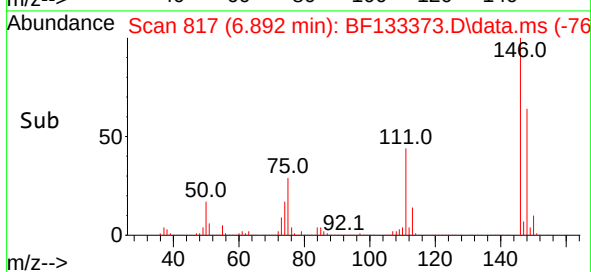
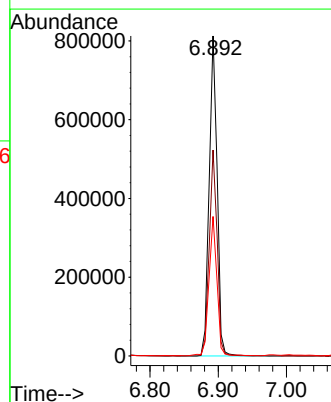
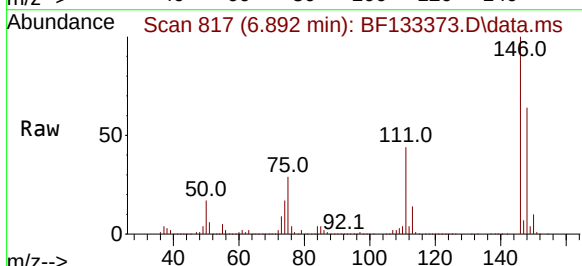
Tgt Ion:146 Resp: 660085

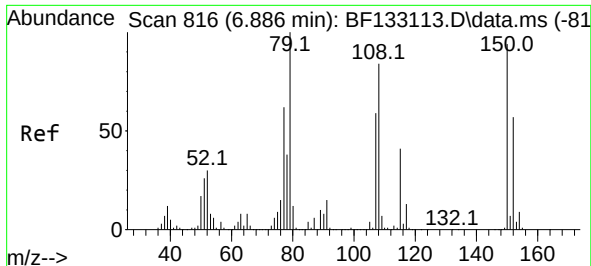
Ion Ratio Lower Upper

146 100

148 64.4 52.2 78.2

111 43.6 32.8 49.2

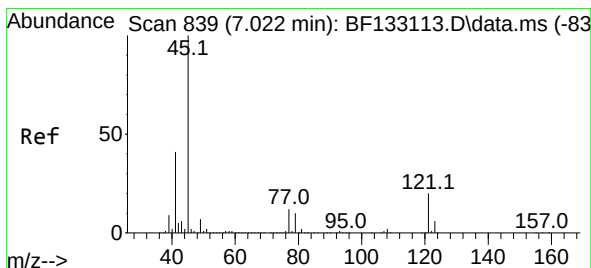
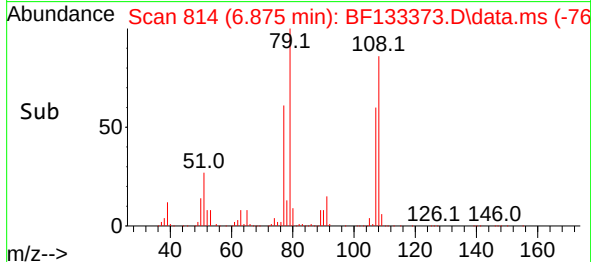
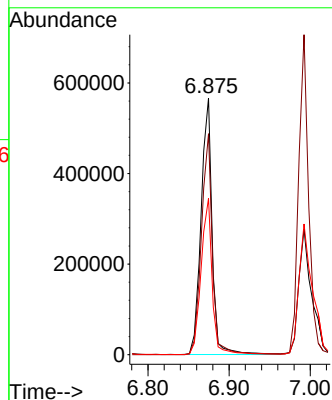
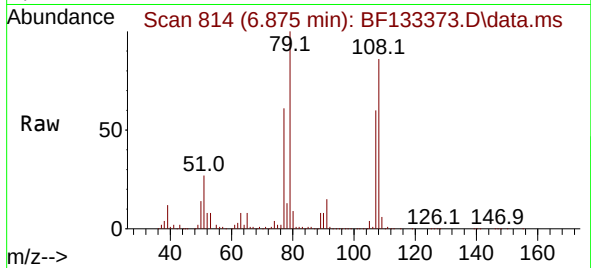




#15
Benzyl Alcohol
Concen: 51.084 ng
RT: 6.875 min Scan# 814
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

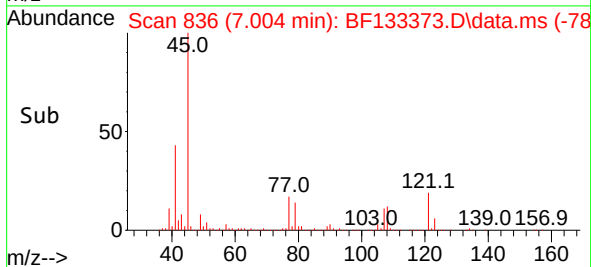
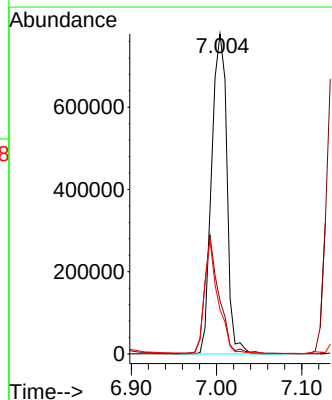
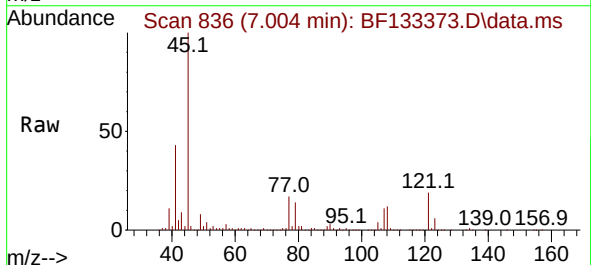
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

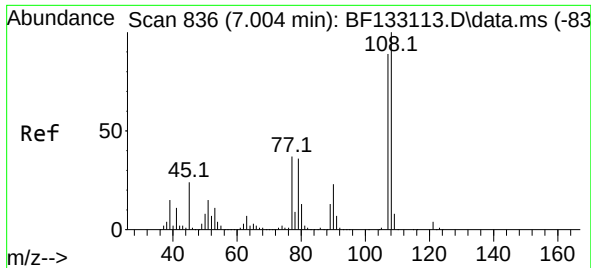
Tgt Ion: 79 Resp: 538308
Ion Ratio Lower Upper
79 100
108 86.1 66.6 99.8
77 60.9 49.2 73.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.031 ng
RT: 7.004 min Scan# 836
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion: 45 Resp: 965805
Ion Ratio Lower Upper
45 100
77 16.6 0.0 31.5
79 13.8 0.0 28.7

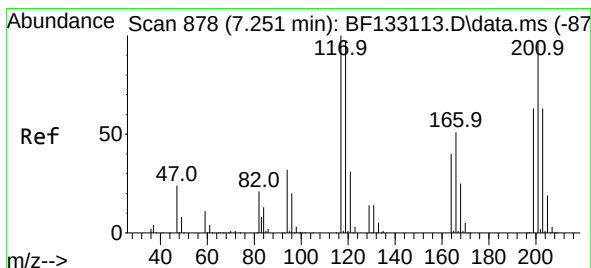
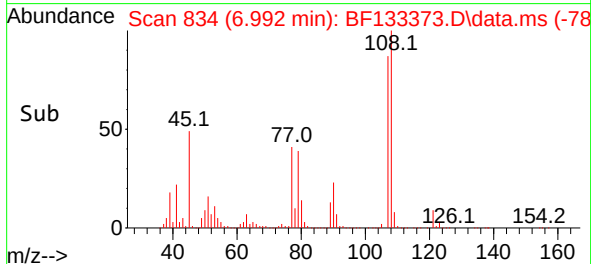
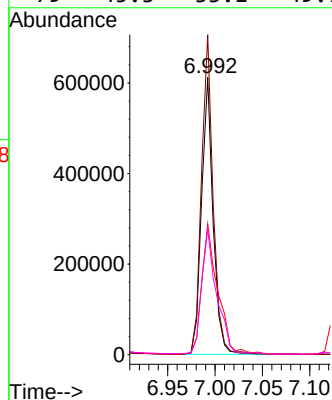
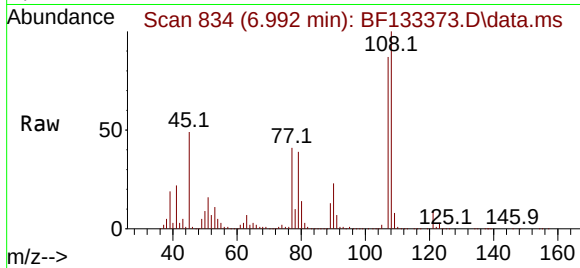




#17
2-Methylphenol
Concen: 45.878 ng
RT: 6.992 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

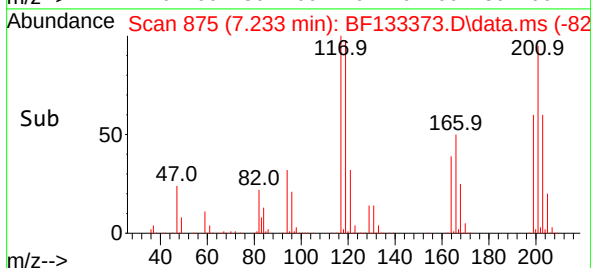
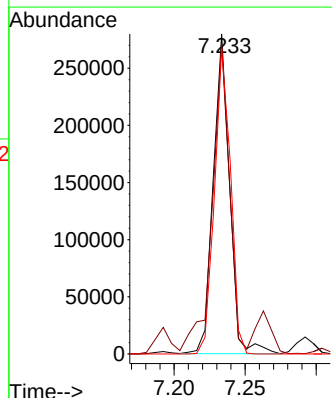
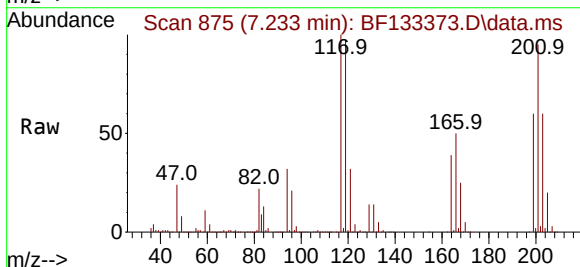
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

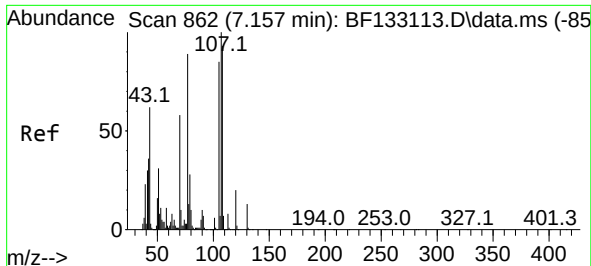
Tgt Ion:	107	Resp:	524241
Ion	Ratio	Lower	Upper
107	100		
108	115.4	92.4	138.6
77	47.2	33.8	50.8
79	45.3	33.1	49.7



#18
Hexachloroethane
Concen: 48.309 ng
RT: 7.233 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:	117	Resp:	223325
Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.2	117.4
201	95.5	81.7	122.5





#19

n-Nitroso-di-n-propylamine

Concen: 42.302 ng

RT: 7.145 min Scan# 80

Delta R.T. -0.000 min

Lab File: BF133373.D

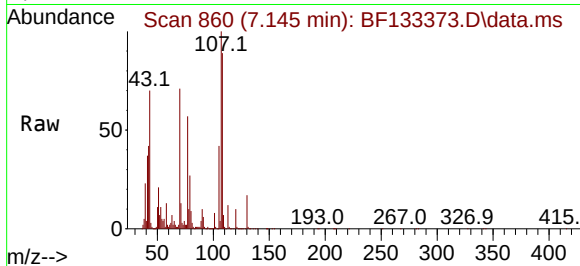
Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD



Tgt Ion: 70 Resp: 401747

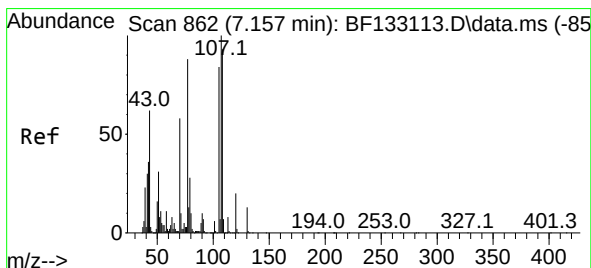
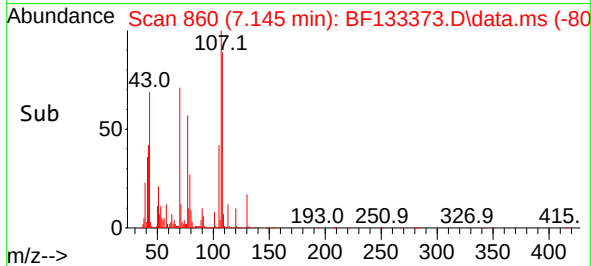
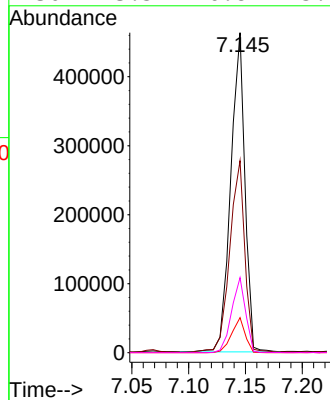
Ion Ratio Lower Upper

70 100

42 60.0 51.8 77.6

101 10.9 8.0 12.0

130 23.5 16.8 25.2



#20

3+4-Methylphenols

Concen: 47.597 ng

RT: 7.145 min Scan# 860

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Tgt Ion: 107 Resp: 640499

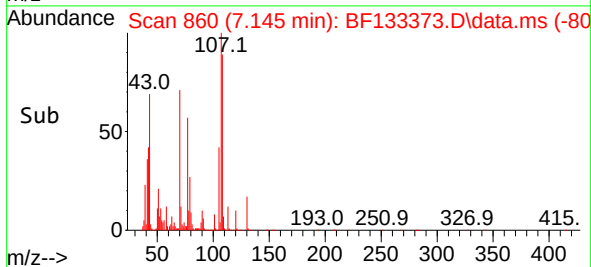
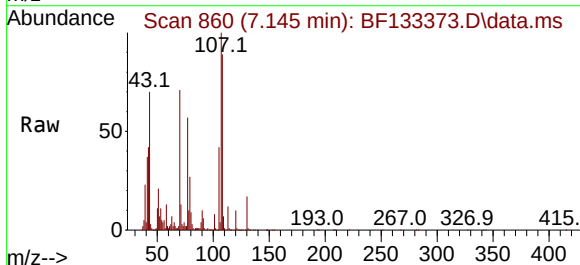
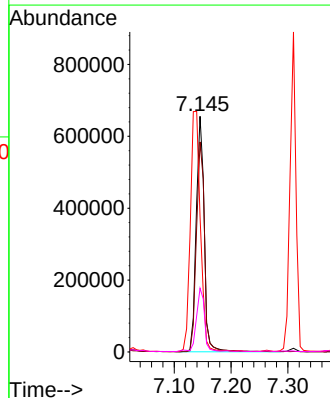
Ion Ratio Lower Upper

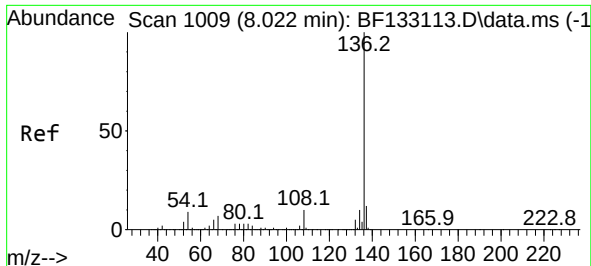
107 100

108 89.1 70.5 110.5

77 57.4 91.7 131.7#

79 27.0 7.1 47.1

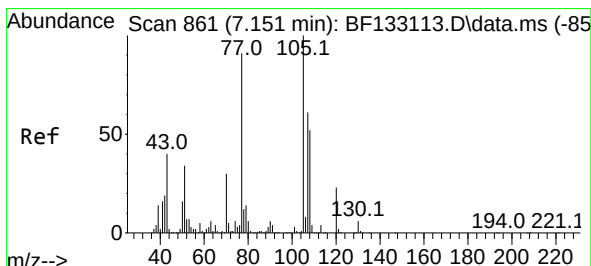
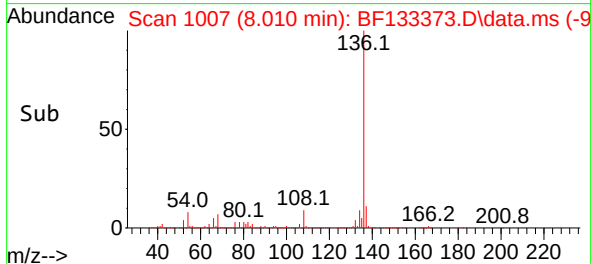
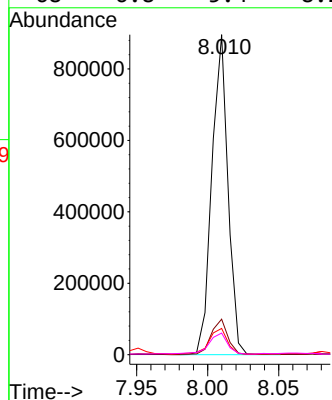
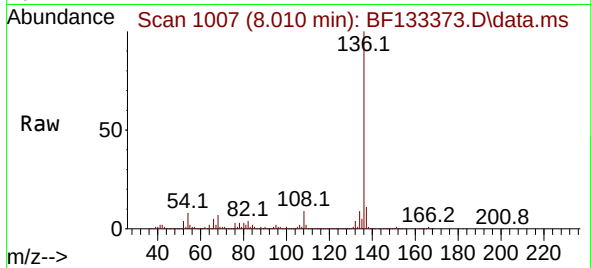




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

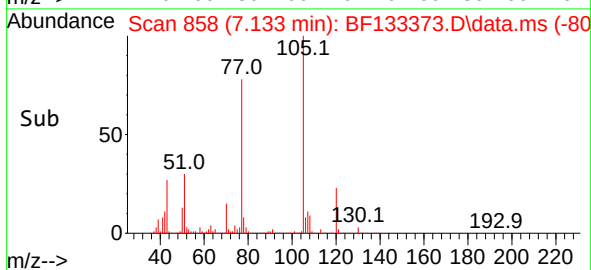
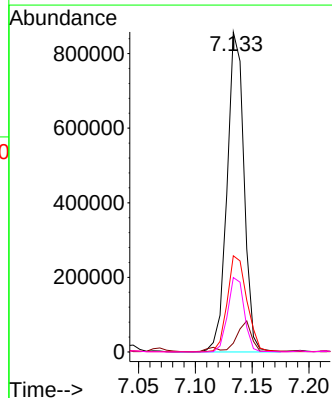
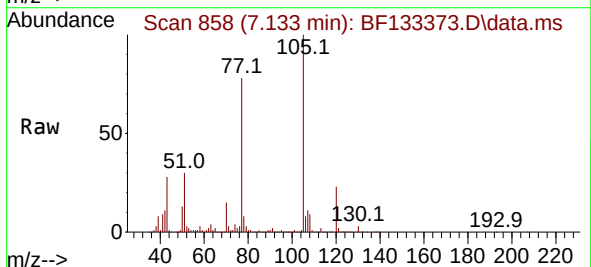
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

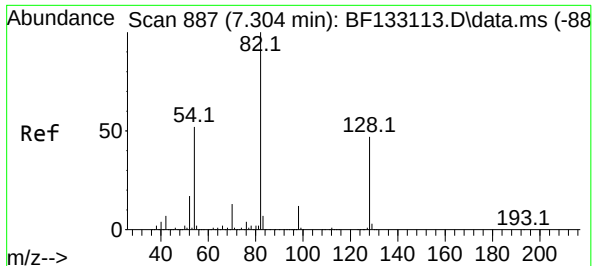
Tgt Ion:136 Resp: 705259
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.2 7.0 10.4
68 6.8 5.4 8.2



#22
Acetophenone
Concen: 54.471 ng
RT: 7.133 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:105 Resp: 889898
Ion Ratio Lower Upper
105 100
71 2.8 4.6 7.0#
51 30.1 28.2 42.2
120 23.2 18.4 27.6





#23

Nitrobenzene-d5

Concen: 63.720 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

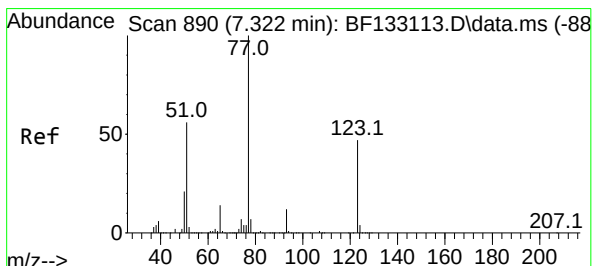
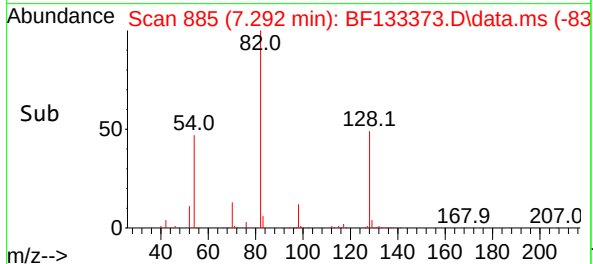
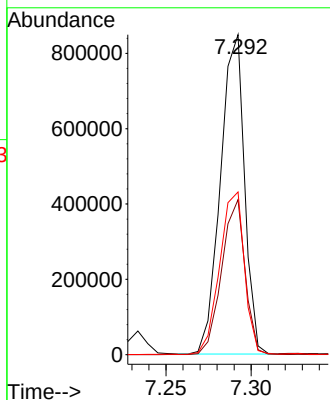
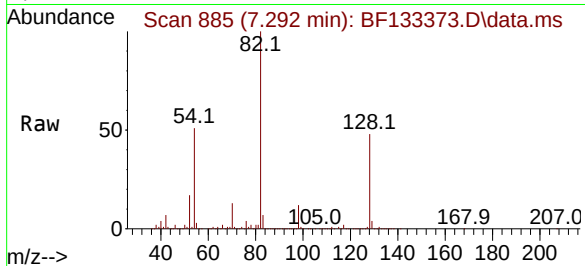
Tgt Ion: 82 Resp: 832568

Ion Ratio Lower Upper

82 100

128 48.5 37.7 56.5

54 50.8 43.0 64.4



#24

Nitrobenzene

Concen: 48.915 ng

RT: 7.310 min Scan# 888

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

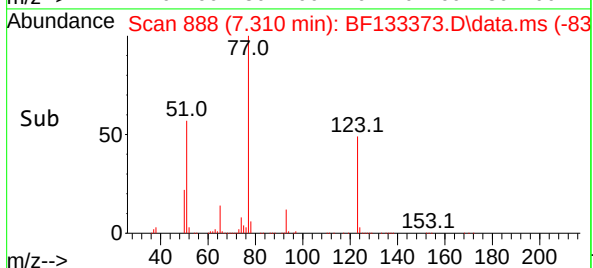
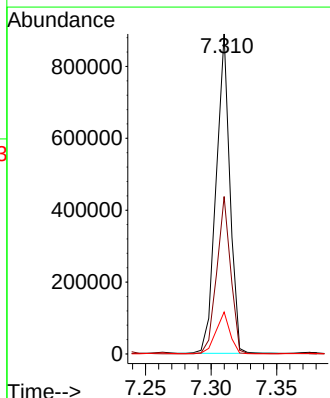
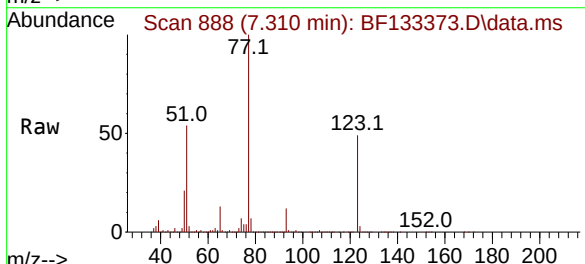
Tgt Ion: 77 Resp: 647642

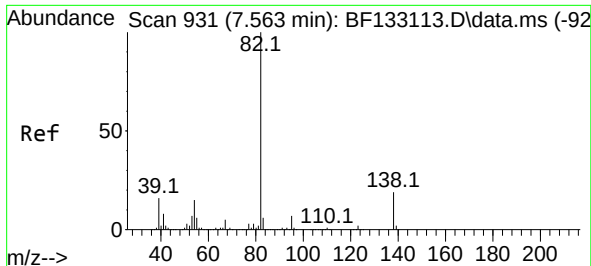
Ion Ratio Lower Upper

77 100

123 49.2 39.9 59.9

65 13.1 10.7 16.1

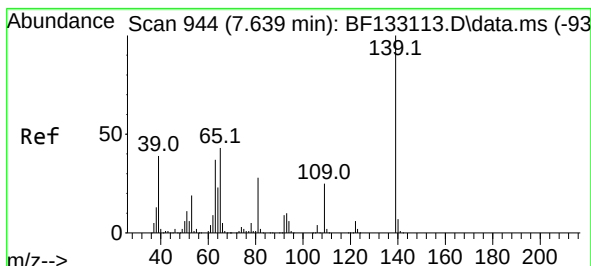
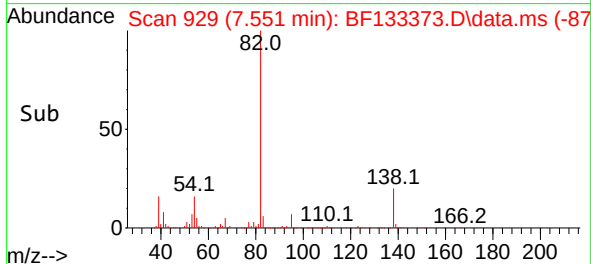
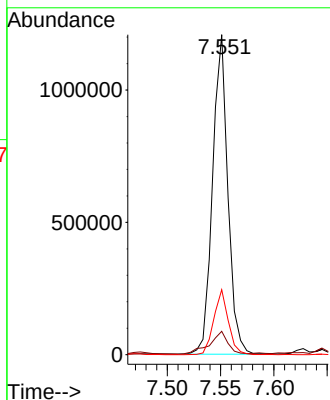
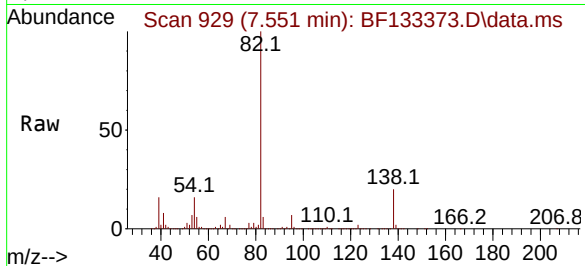




#25
Isophorone
Concen: 48.465 ng
RT: 7.551 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

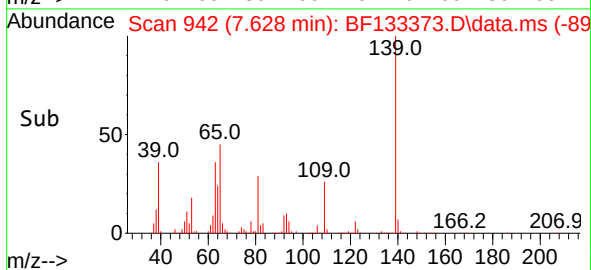
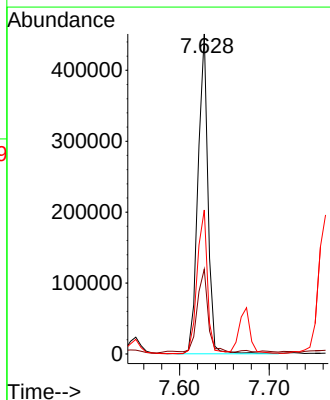
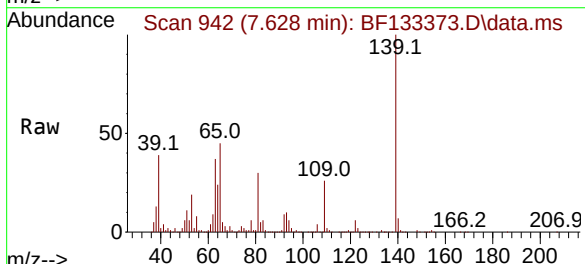
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

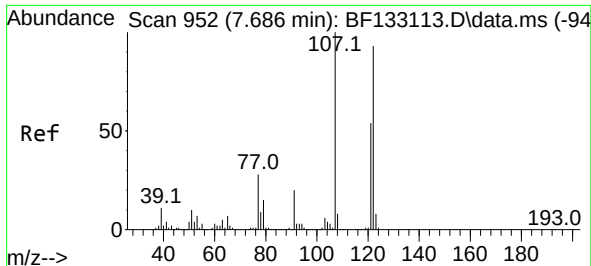
Tgt Ion: 82 Resp: 1202298
Ion Ratio Lower Upper
82 100
95 7.3 5.4 8.0
138 20.3 16.0 24.0



#26
2-Nitrophenol
Concen: 54.476 ng
RT: 7.628 min Scan# 942
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion: 139 Resp: 347889
Ion Ratio Lower Upper
139 100
109 26.5 21.6 32.4
65 45.0 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 52.070 ng

RT: 7.675 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

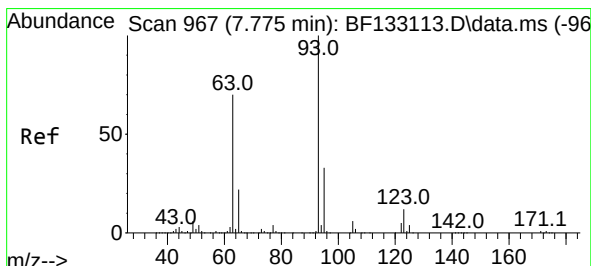
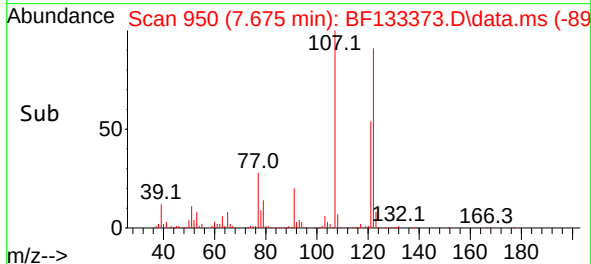
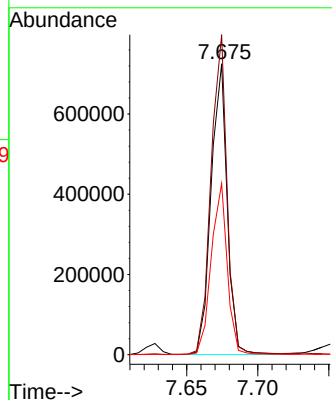
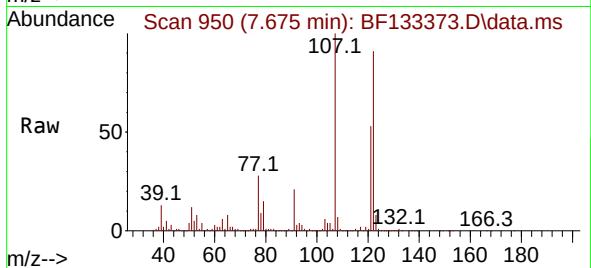
Tgt Ion:122 Resp: 570189

Ion Ratio Lower Upper

122 100

107 110.0 89.7 134.5

121 58.8 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 49.810 ng

RT: 7.763 min Scan# 965

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

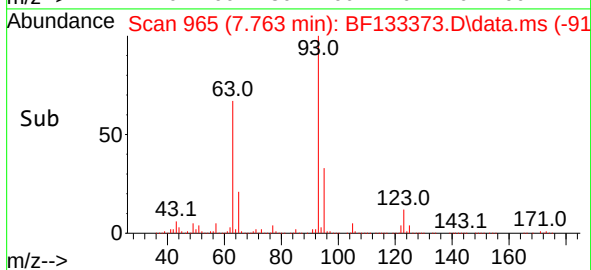
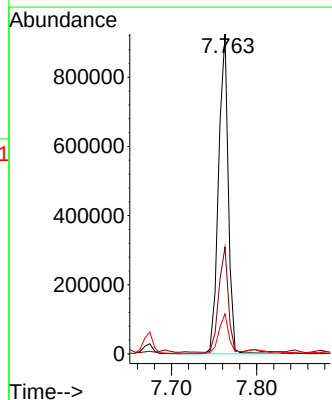
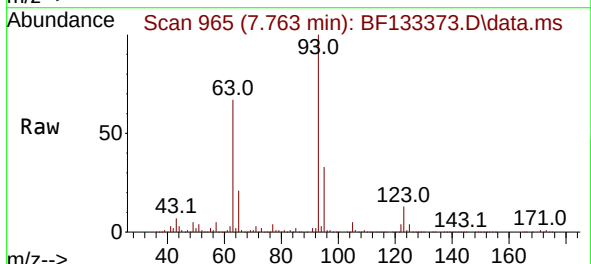
Tgt Ion: 93 Resp: 731008

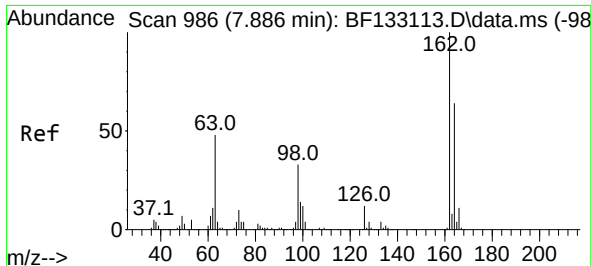
Ion Ratio Lower Upper

93 100

95 33.4 26.4 39.6

123 12.5 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 51.645 ng

RT: 7.875 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

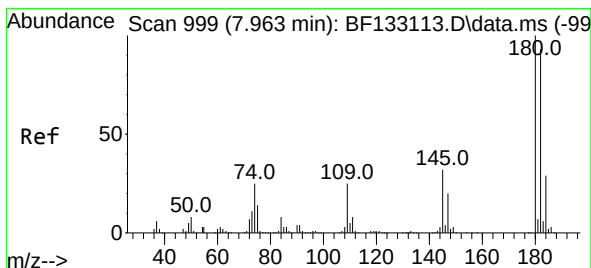
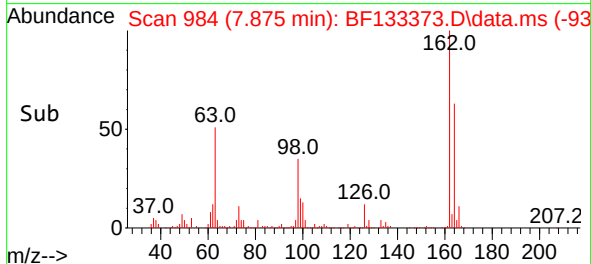
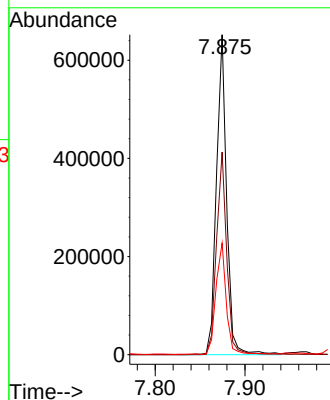
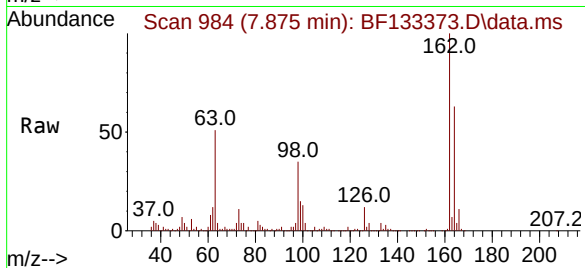
Tgt Ion:162 Resp: 514834

Ion Ratio Lower Upper

162 100

164 63.3 43.9 83.9

98 34.9 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 52.195 ng

RT: 7.951 min Scan# 997

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

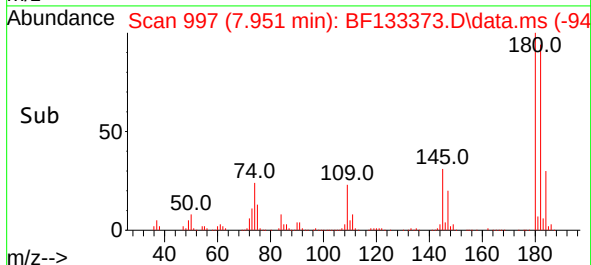
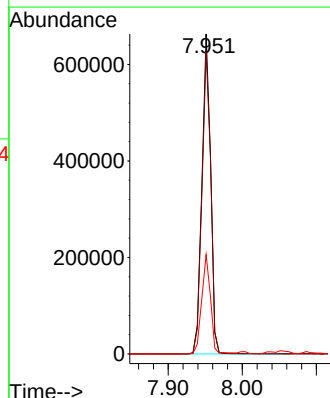
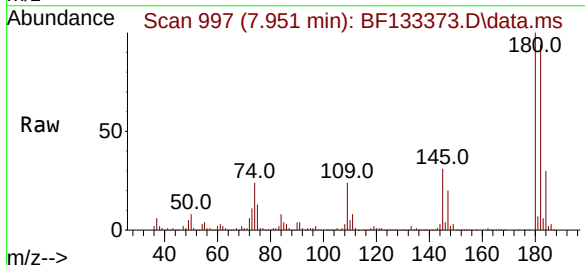
Tgt Ion:180 Resp: 539039

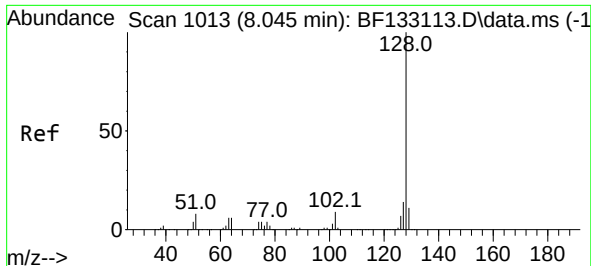
Ion Ratio Lower Upper

180 100

182 94.5 75.9 113.9

145 31.0 25.3 37.9

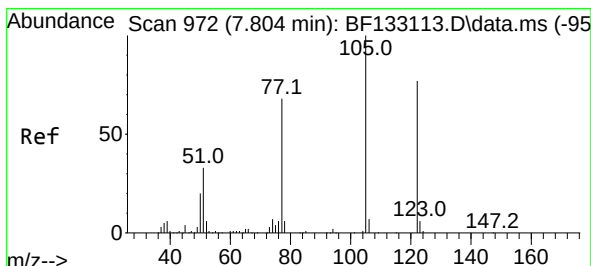
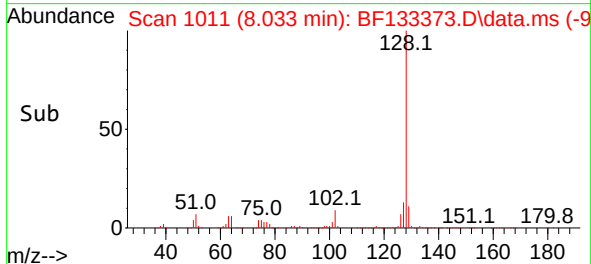
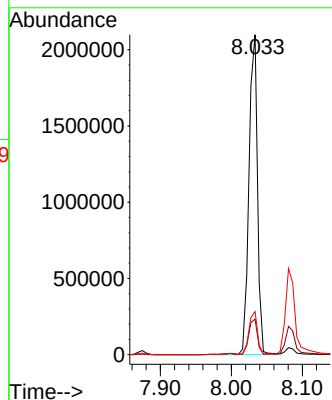
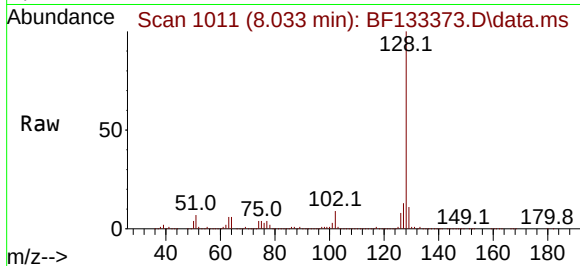




#31
Naphthalene
Concen: 49.615 ng
RT: 8.033 min Scan# 1013
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

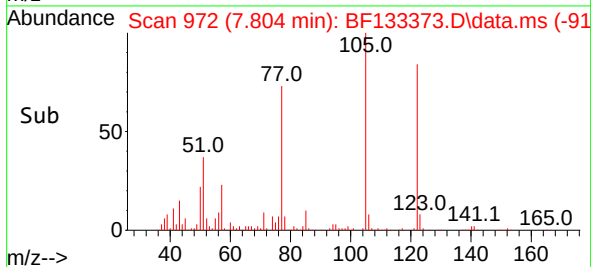
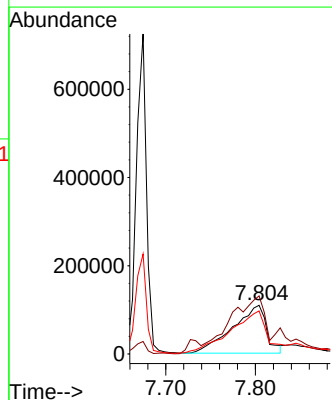
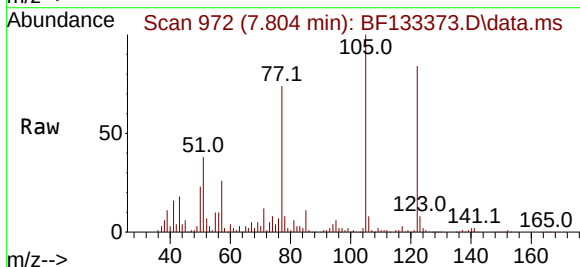
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

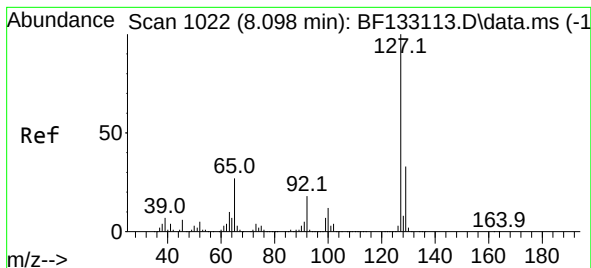
Tgt Ion:128 Resp: 1749456
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.5 10.7 16.1



#32
Benzoic acid
Concen: 42.102 ng
RT: 7.804 min Scan# 972
Delta R.T. 0.012 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:122 Resp: 284777
Ion Ratio Lower Upper
122 100
105 119.3 104.2 144.2
77 88.5 69.7 109.7





#33

4-Chloroaniline

Concen: 38.361 ng

RT: 8.080 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

Tgt Ion:127 Resp: 546522

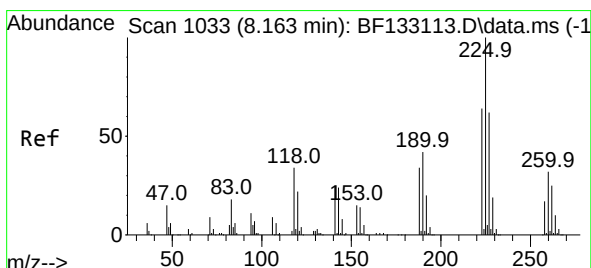
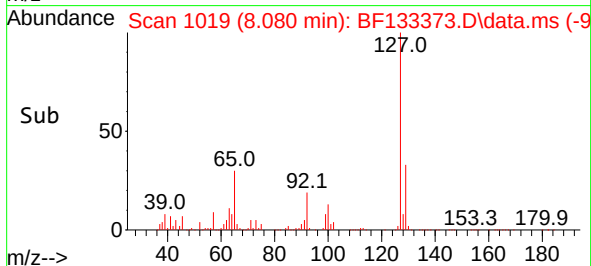
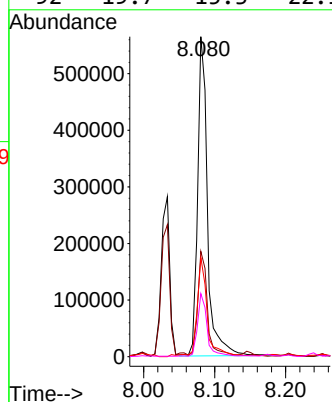
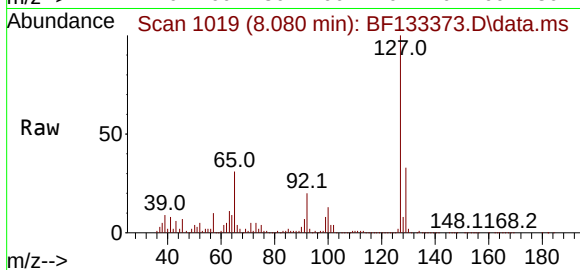
Ion Ratio Lower Upper

127 100

129 32.9 25.8 38.8

65 31.0 23.6 35.4

92 19.7 15.3 22.9



#34

Hexachlorobutadiene

Concen: 50.990 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

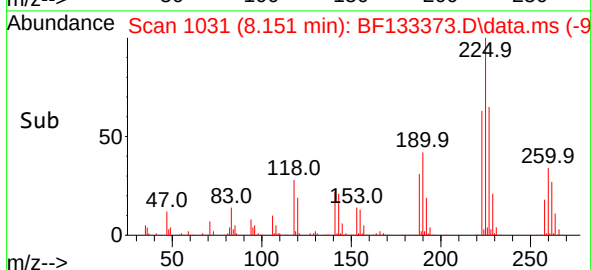
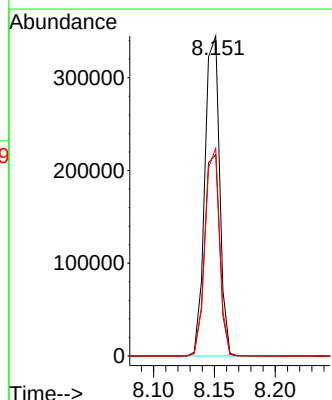
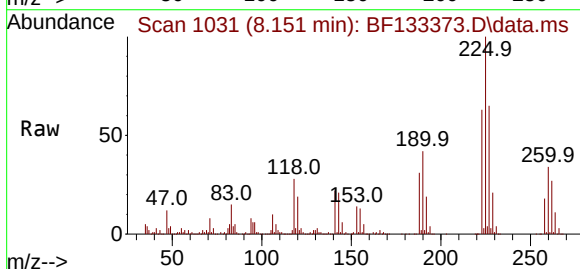
Tgt Ion:225 Resp: 291861

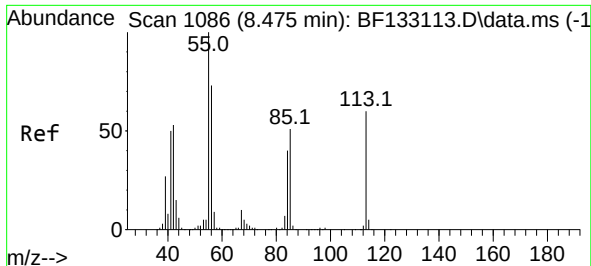
Ion Ratio Lower Upper

225 100

223 62.9 50.9 76.3

227 64.9 50.3 75.5

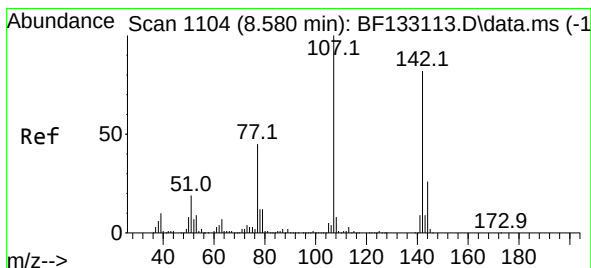
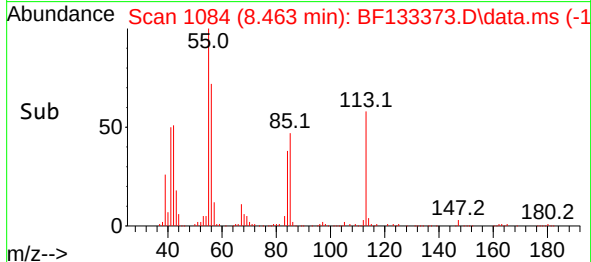
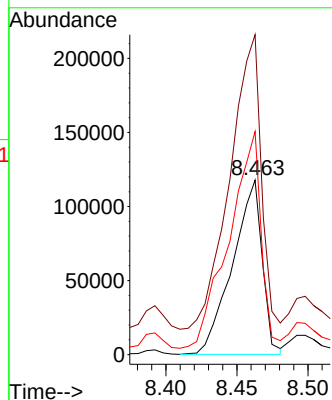
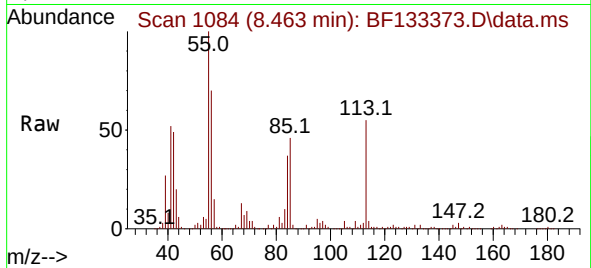




#35
 Caprolactam
 Concen: 50.857 ng
 RT: 8.463 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: BF133373.D
 Acq: 12 May 2023 17:12

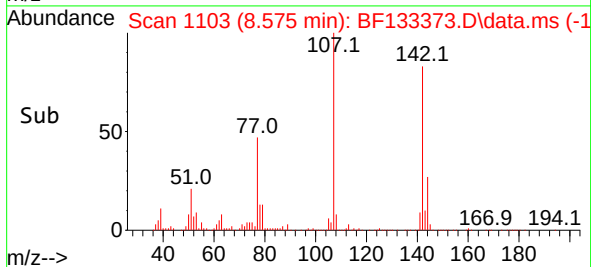
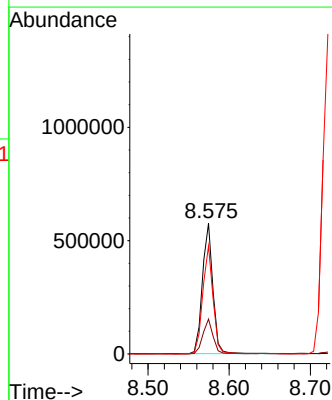
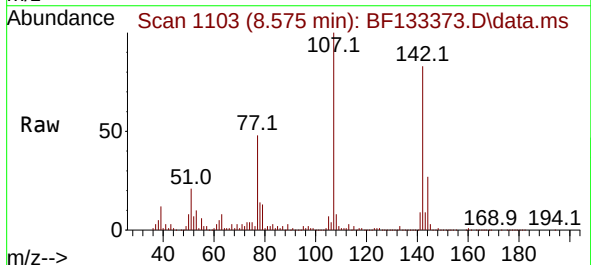
Instrument :
 BNA_F
 ClientSampleId :
 HR-2-051123MSD

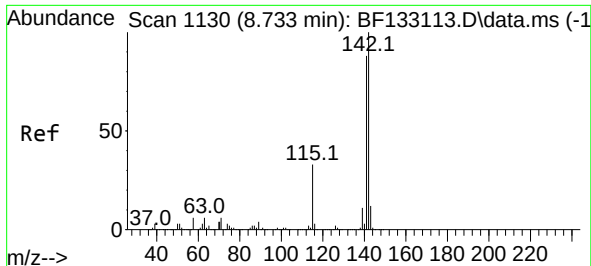
Tgt Ion:113 Resp: 170311
 Ion Ratio Lower Upper
 113 100
 55 183.3 167.1 207.1
 56 127.8 114.5 154.5



#36
 4-Chloro-3-methylphenol
 Concen: 48.048 ng
 RT: 8.575 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: BF133373.D
 Acq: 12 May 2023 17:12

Tgt Ion:107 Resp: 516510
 Ion Ratio Lower Upper
 107 100
 144 26.7 20.6 30.8
 142 82.6 62.8 94.2

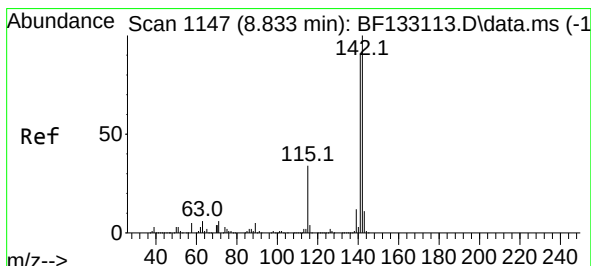
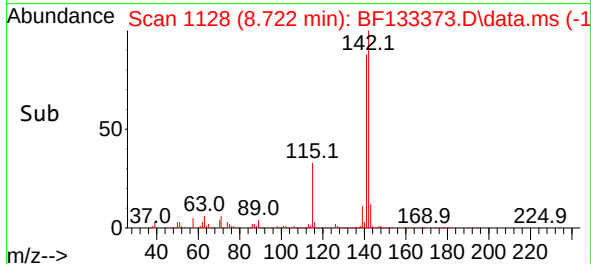
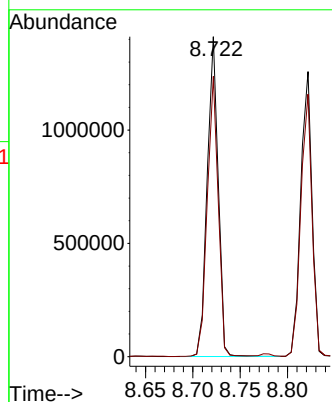
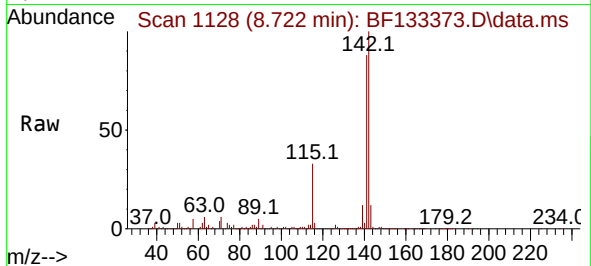




#37
2-Methylnaphthalene
Concen: 47.169 ng
RT: 8.722 min Scan# 1128
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

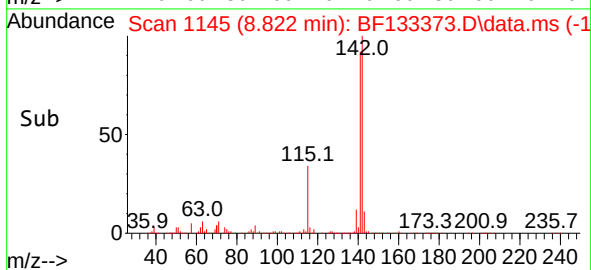
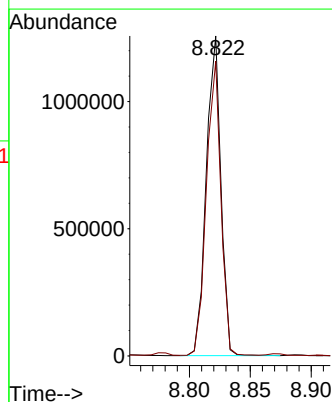
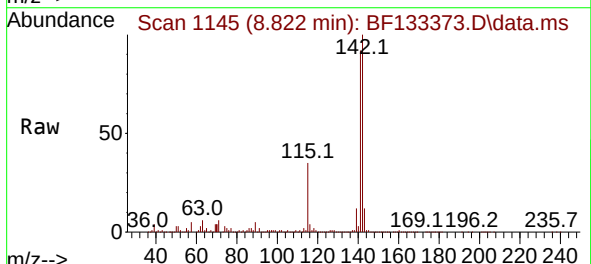
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

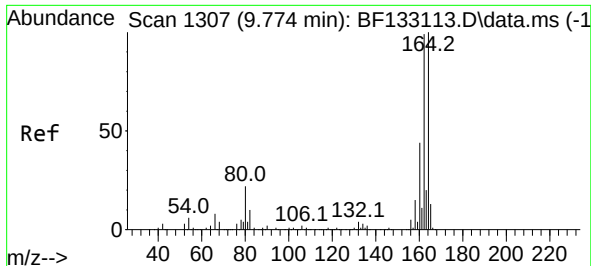
Tgt Ion:142 Resp: 1137095
Ion Ratio Lower Upper
142 100
141 87.6 69.4 104.0



#38
1-Methylnaphthalene
Concen: 46.260 ng
RT: 8.822 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:142 Resp: 1043228
Ion Ratio Lower Upper
142 100
141 92.1 73.1 109.7

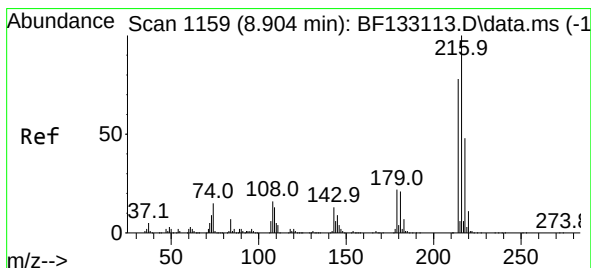
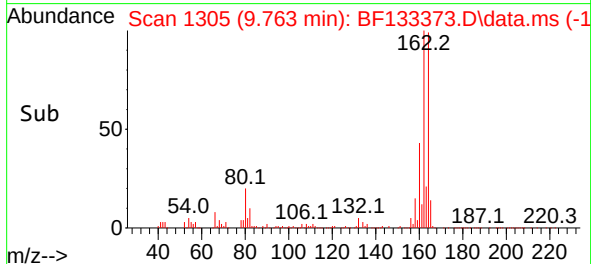
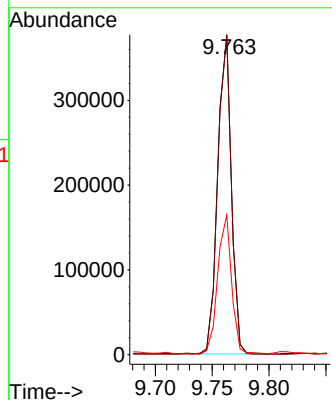
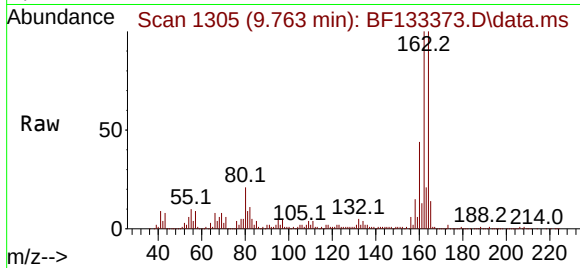




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

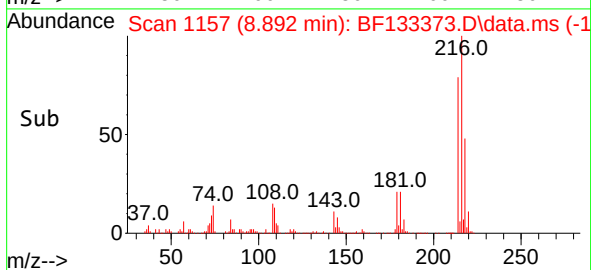
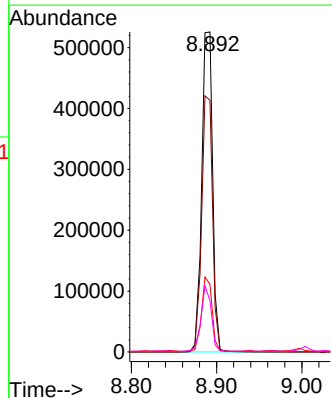
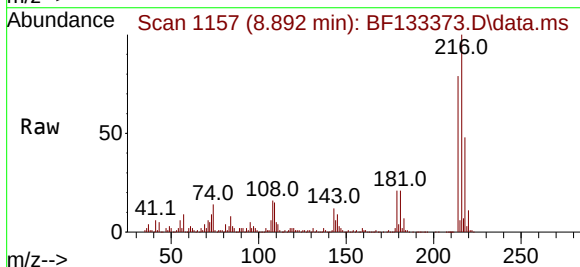
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

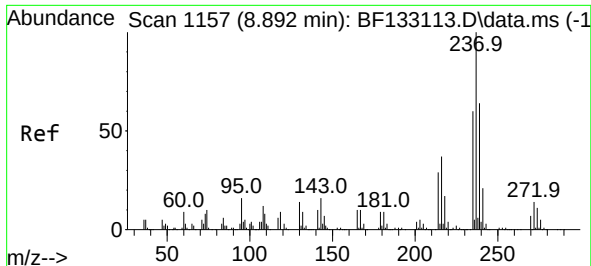
Tgt Ion:164 Resp: 315556
Ion Ratio Lower Upper
164 100
162 100.3 78.7 118.1
160 43.8 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 55.074 ng
RT: 8.892 min Scan# 1157
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:216 Resp: 467268
Ion Ratio Lower Upper
216 100
214 79.7 63.5 95.3
179 22.4 17.4 26.2
108 19.2 17.4 26.0

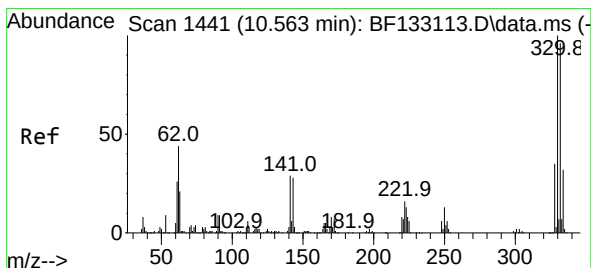
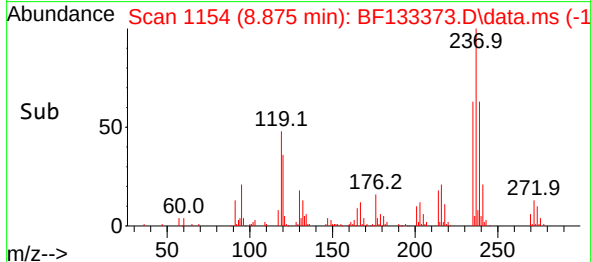
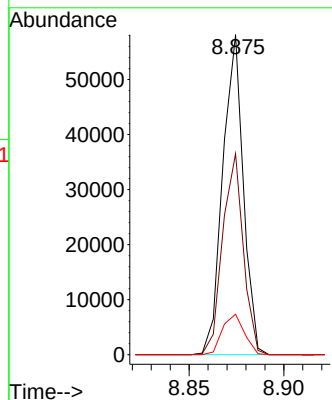
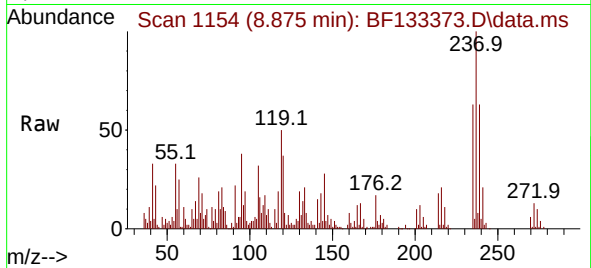




#41
Hexachlorocyclopentadiene
Concen: 8.878 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

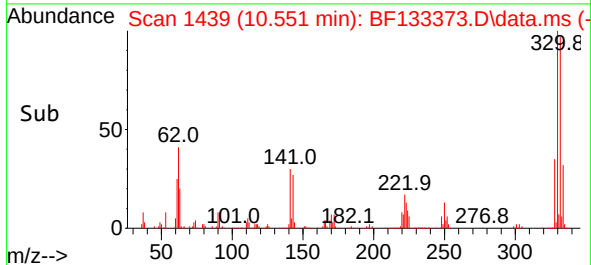
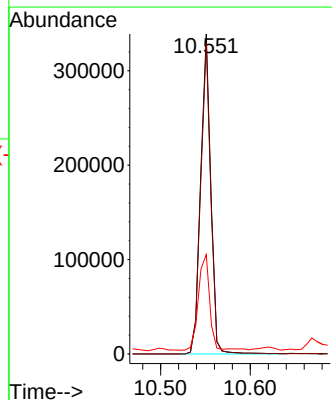
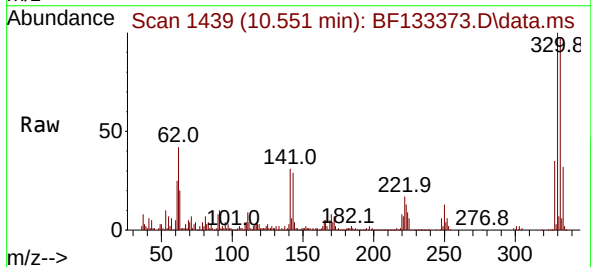
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

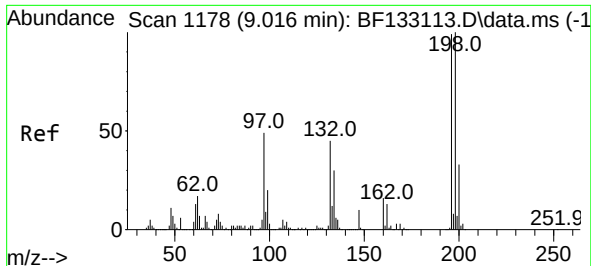
Tgt Ion:237 Resp: 43932
Ion Ratio Lower Upper
237 100
235 62.8 43.5 83.5
272 12.7 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 83.887 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:330 Resp: 266216
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 32.9 25.8 38.8

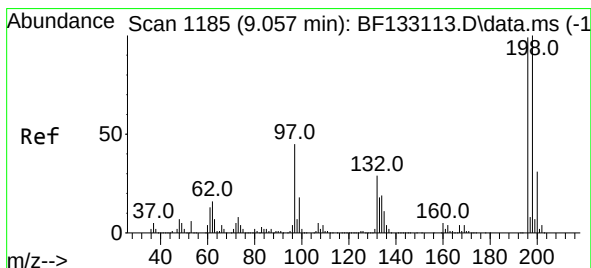
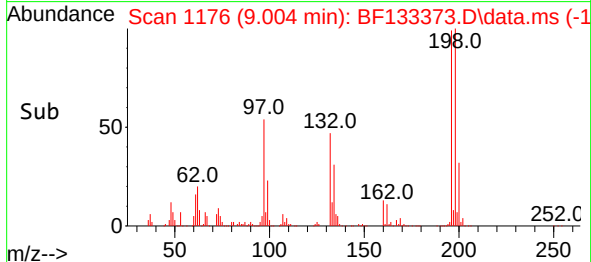
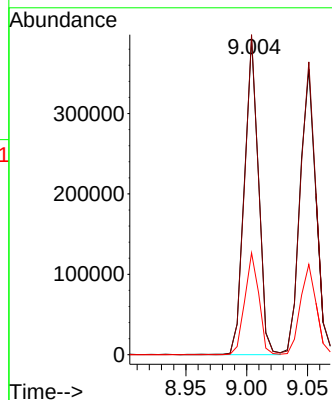
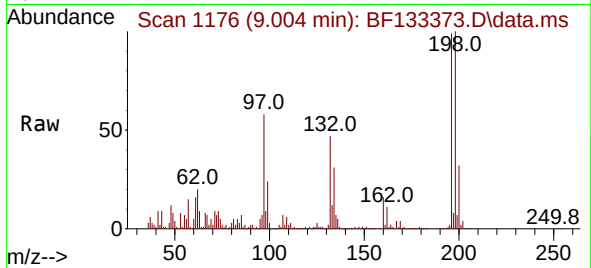




#43
2,4,6-Trichlorophenol
Concen: 54.389 ng
RT: 9.004 min Scan# 1176
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

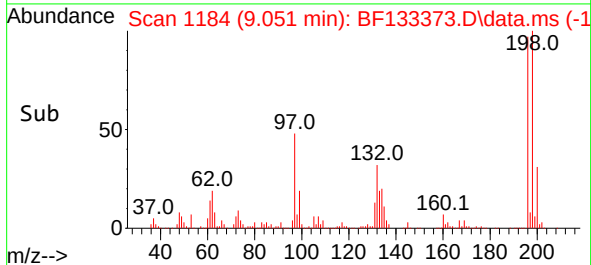
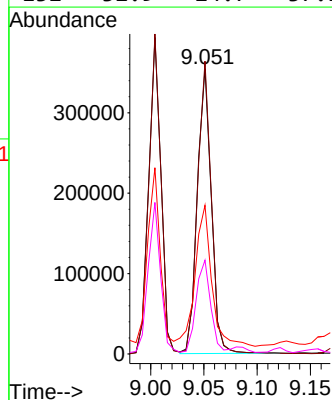
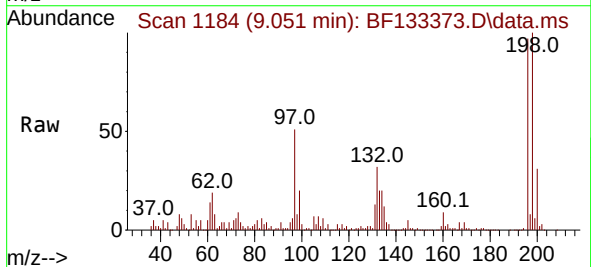
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

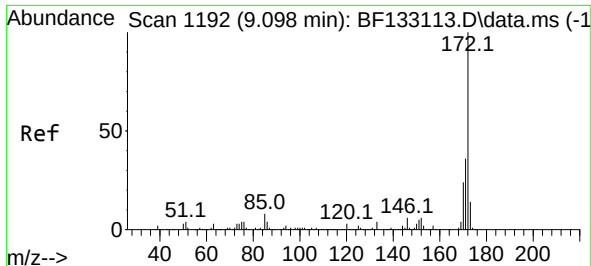
Tgt Ion:196 Resp: 319128
Ion Ratio Lower Upper
196 100
198 101.1 81.0 121.6
200 32.2 26.1 39.1



#44
2,4,5-Trichlorophenol
Concen: 48.066 ng
RT: 9.051 min Scan# 1184
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:196 Resp: 326178
Ion Ratio Lower Upper
196 100
198 102.6 80.9 121.3
97 52.1 41.3 61.9
132 32.9 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 73.494 ng

RT: 9.086 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

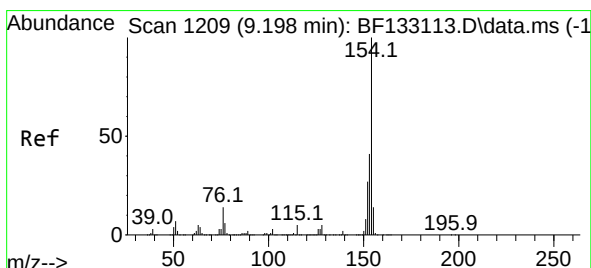
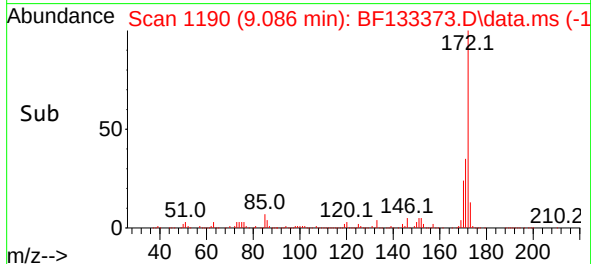
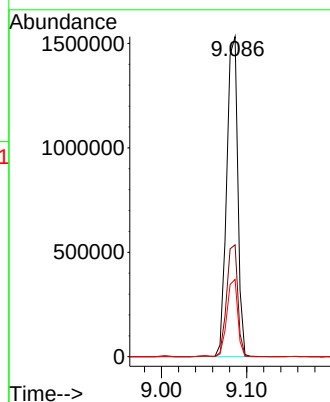
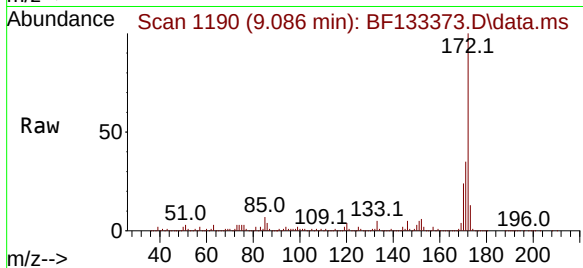
Tgt Ion:172 Resp: 1386226

Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 24.1 19.4 29.2



#46

1,1'-Biphenyl

Concen: 53.866 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

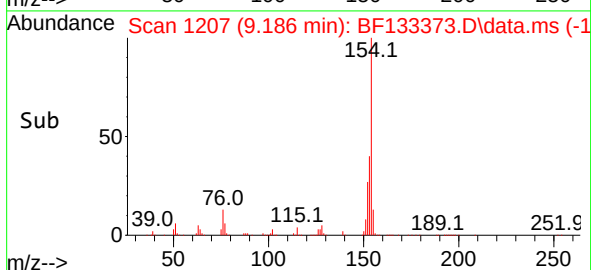
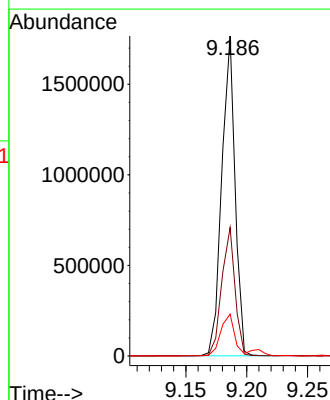
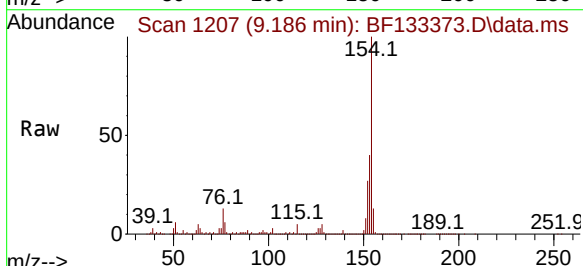
Tgt Ion:154 Resp: 1347849

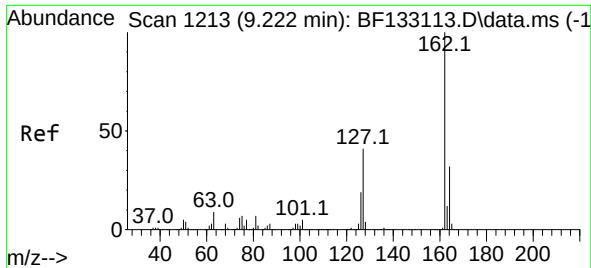
Ion Ratio Lower Upper

154 100

153 40.1 21.0 61.0

76 13.0 0.0 34.5





#47

2-Chloronaphthalene

Concen: 53.258 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

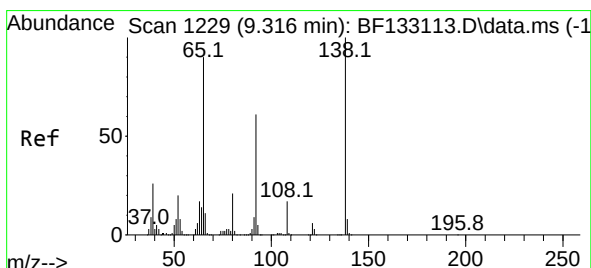
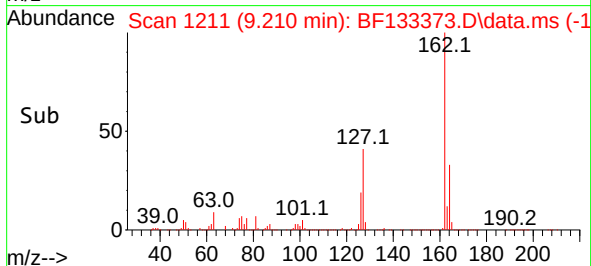
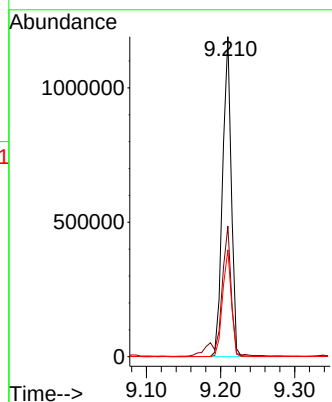
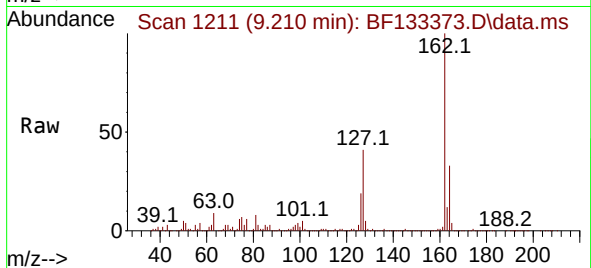
Tgt Ion:162 Resp: 975391

Ion Ratio Lower Upper

162 100

127 40.8 32.3 48.5

164 33.4 26.8 40.2



#48

2-Nitroaniline

Concen: 52.862 ng

RT: 9.310 min Scan# 1228

Delta R.T. 0.006 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

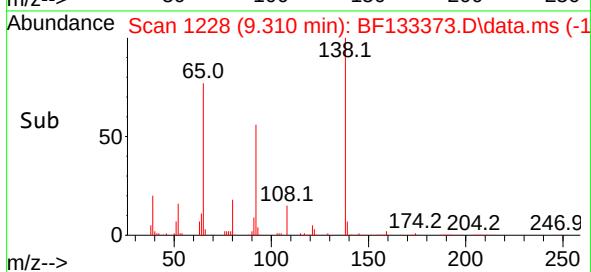
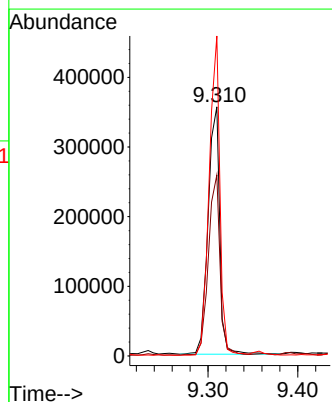
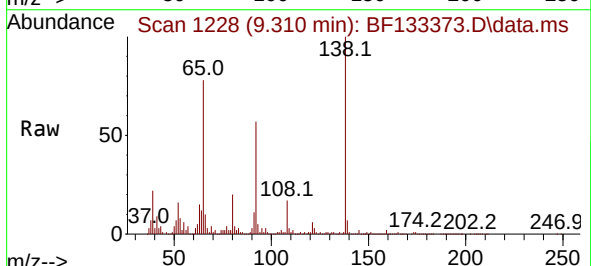
Tgt Ion: 65 Resp: 319969

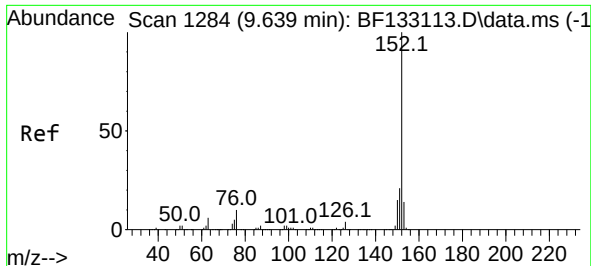
Ion Ratio Lower Upper

65 100

92 72.6 55.4 83.0

138 128.4 98.2 147.2

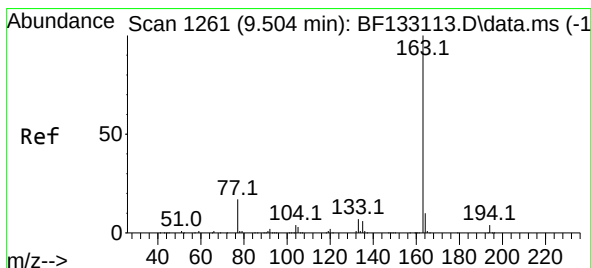
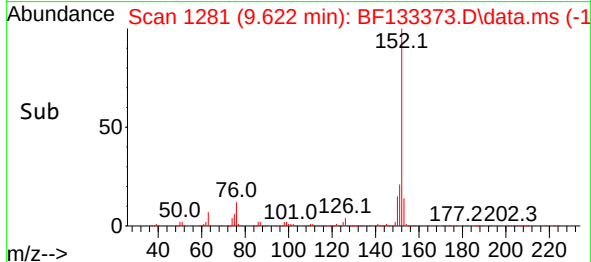
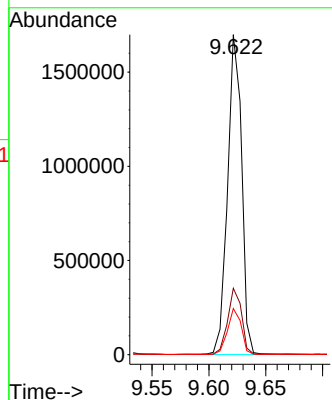
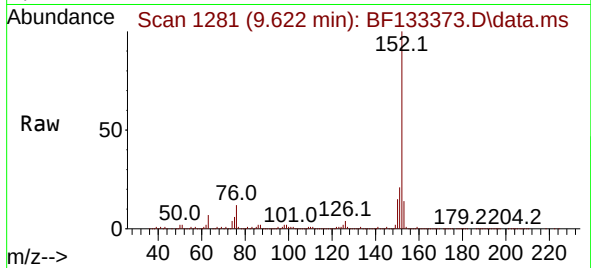




#49
Acenaphthylene
Concen: 49.987 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

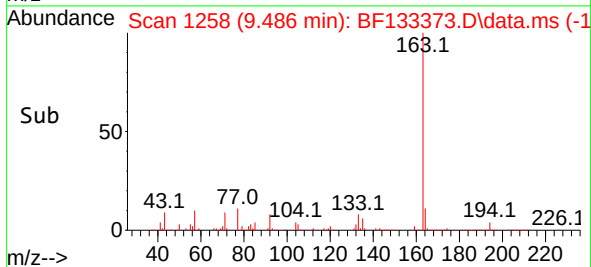
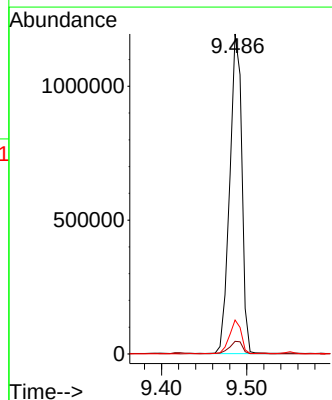
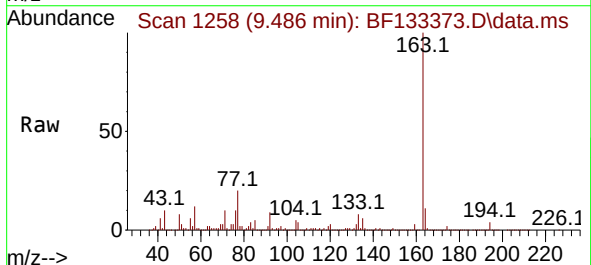
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

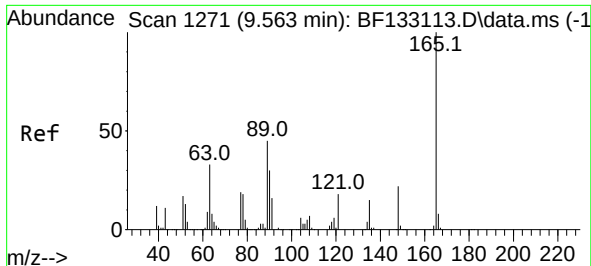
Tgt Ion:152 Resp: 1462812
Ion Ratio Lower Upper
152 100
151 20.8 16.6 24.8
153 14.4 11.5 17.3



#50
Dimethylphthalate
Concen: 53.572 ng
RT: 9.486 min Scan# 1258
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:163 Resp: 1178751
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.6 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 50.771 ng

RT: 9.551 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

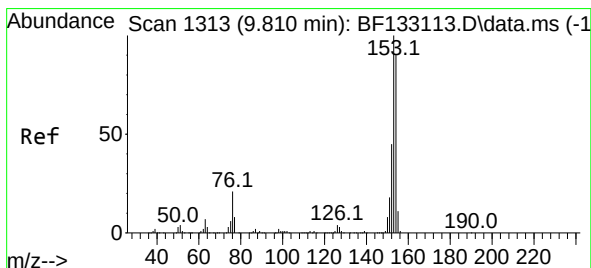
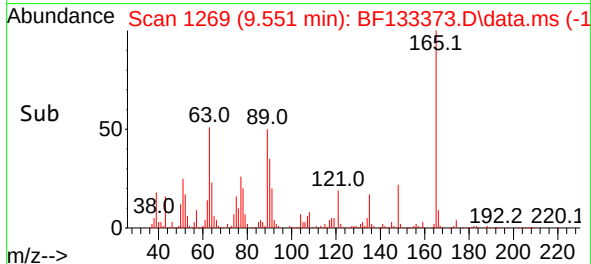
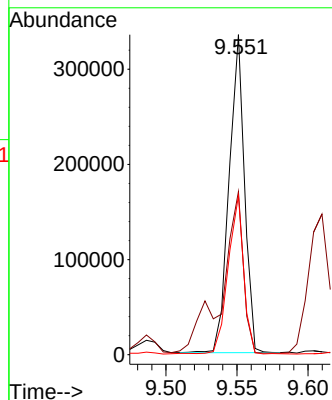
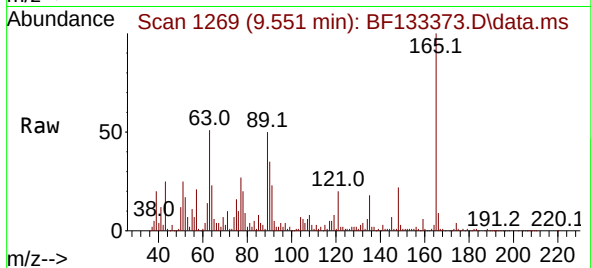
Tgt Ion:165 Resp: 251436

Ion Ratio Lower Upper

165 100

63 51.0 45.9 68.9

89 49.7 44.0 66.0



#52

Acenaphthene

Concen: 46.096 ng

RT: 9.798 min Scan# 1311

Delta R.T. 0.006 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

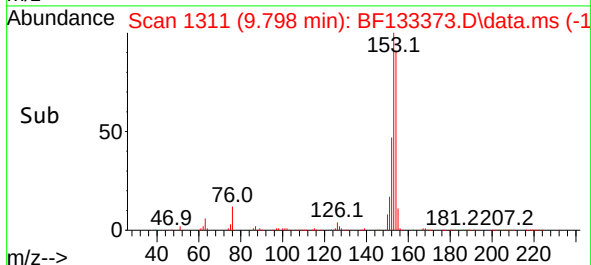
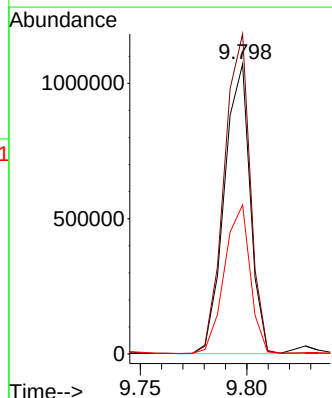
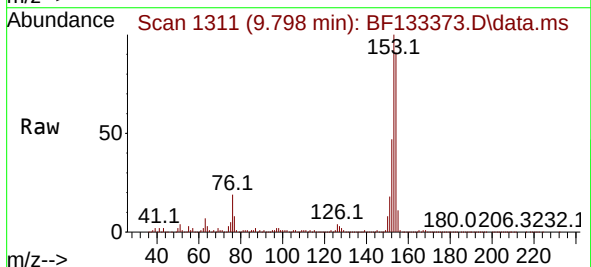
Tgt Ion:154 Resp: 903467

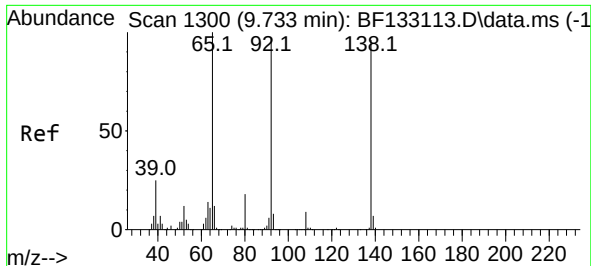
Ion Ratio Lower Upper

154 100

153 110.4 89.0 133.6

152 51.4 40.4 60.6

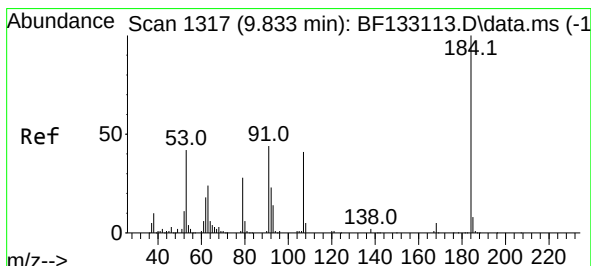
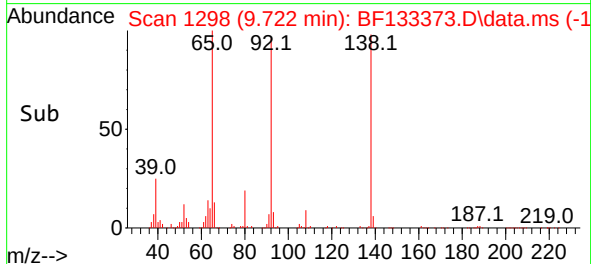
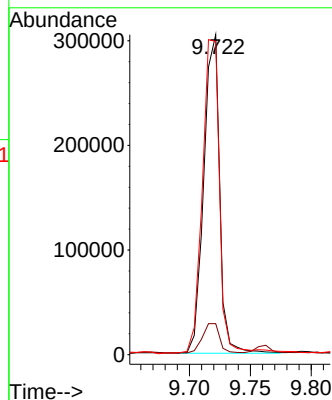
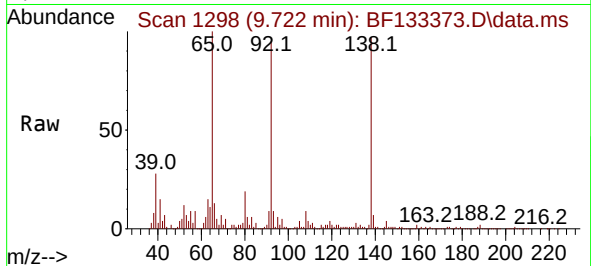




#53
3-Nitroaniline
Concen: 46.964 ng
RT: 9.722 min Scan# 1300
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

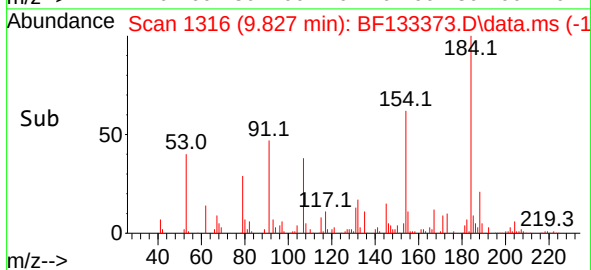
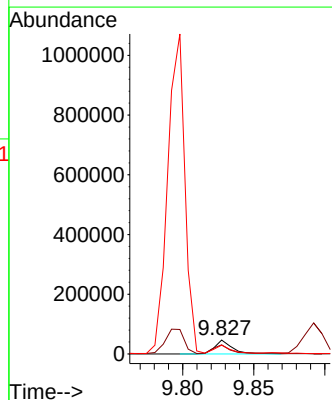
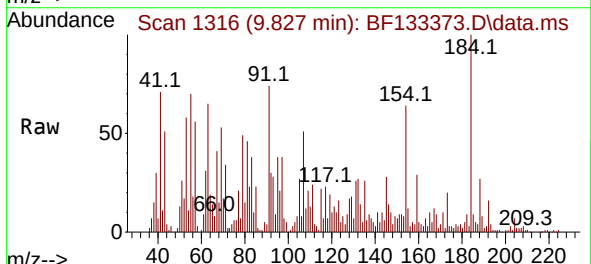
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

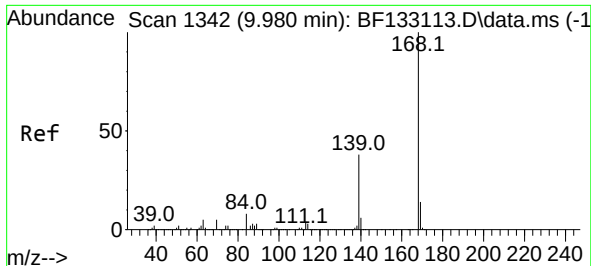
Tgt Ion:138 Resp: 276547
Ion Ratio Lower Upper
138 100
108 9.7 8.0 12.0
92 97.9 83.6 125.4



#54
2,4-Dinitrophenol
Concen: 15.887 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:184 Resp: 39548
Ion Ratio Lower Upper
184 100
63 65.3 49.8 74.8
154 63.8 49.5 74.3

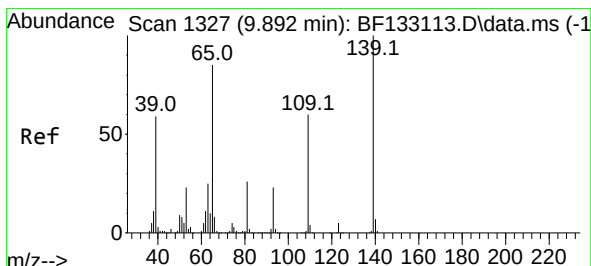
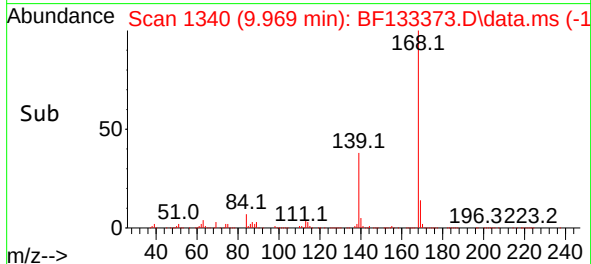
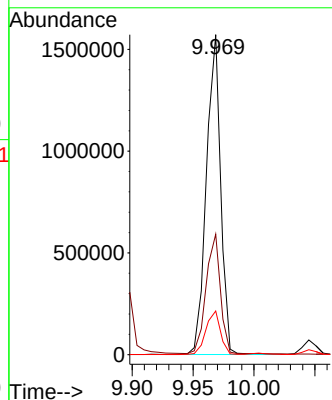
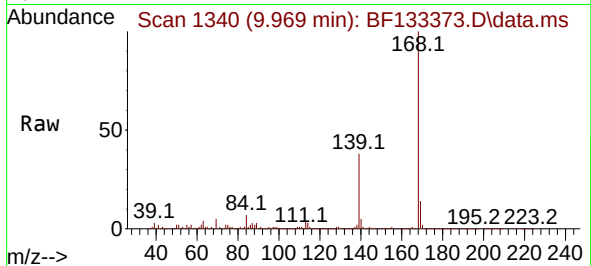




#55
Dibenzofuran
Concen: 47.583 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

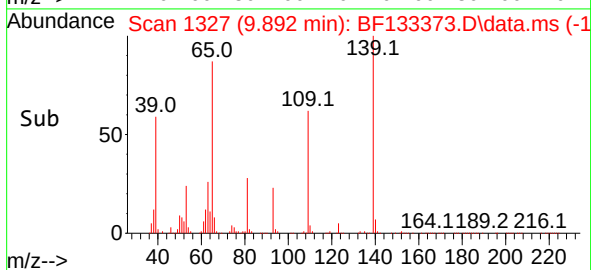
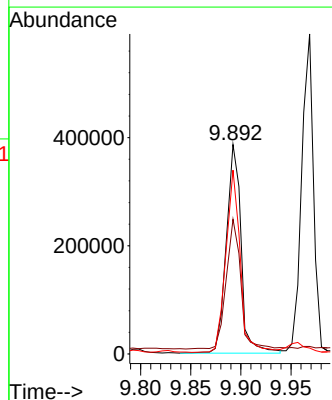
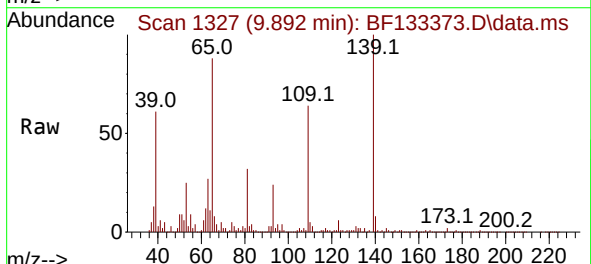
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

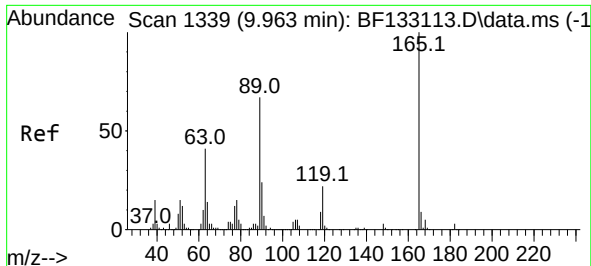
Tgt Ion:168 Resp: 1272157
Ion Ratio Lower Upper
168 100
139 37.6 29.8 44.8
169 13.6 10.8 16.2



#56
4-Nitrophenol
Concen: 86.299 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:139 Resp: 393582
Ion Ratio Lower Upper
139 100
109 64.3 39.4 79.4
65 87.8 57.5 97.5





#57

2,4-Dinitrotoluene

Concen: 47.544 ng

RT: 9.957 min Scan# 1338

Delta R.T. 0.006 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

Tgt Ion:165 Resp: 300268

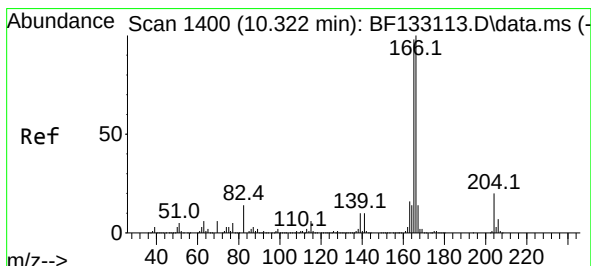
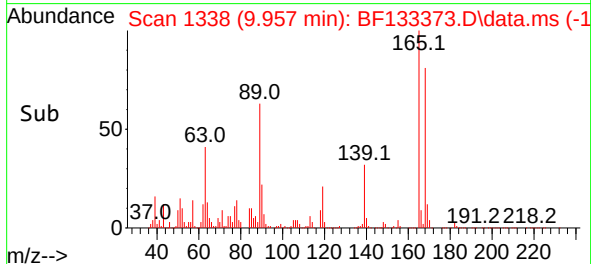
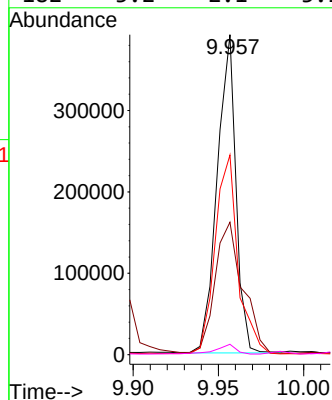
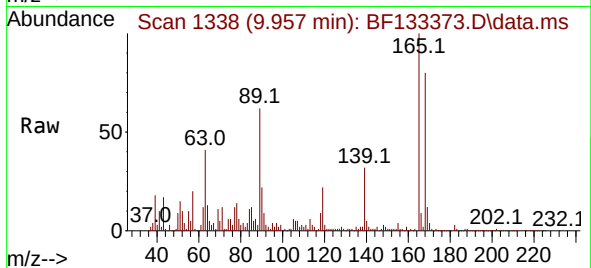
Ion Ratio Lower Upper

165 100

63 41.4 37.7 56.5

89 62.4 57.0 85.4

182 3.2 2.1 3.1#



#58

Fluorene

Concen: 48.454 ng

RT: 10.310 min Scan# 1398

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

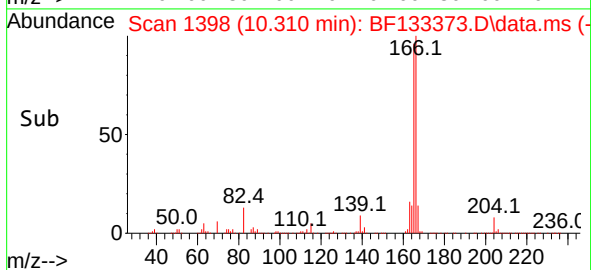
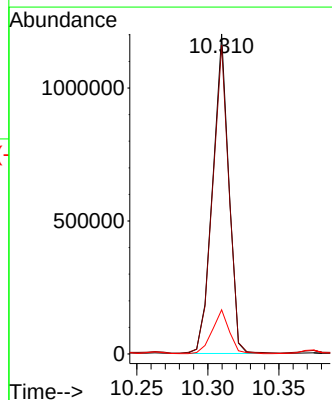
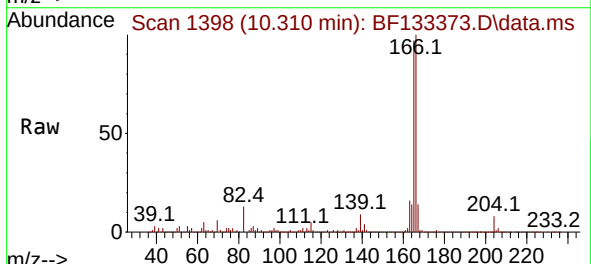
Tgt Ion:166 Resp: 949105

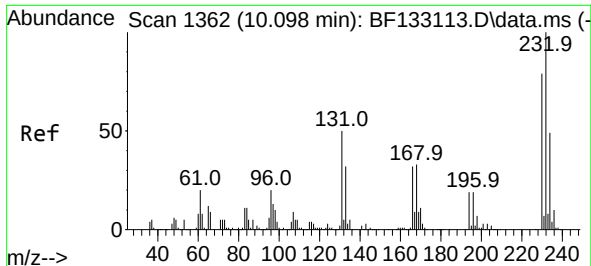
Ion Ratio Lower Upper

166 100

165 96.5 78.6 117.8

167 13.8 11.0 16.4

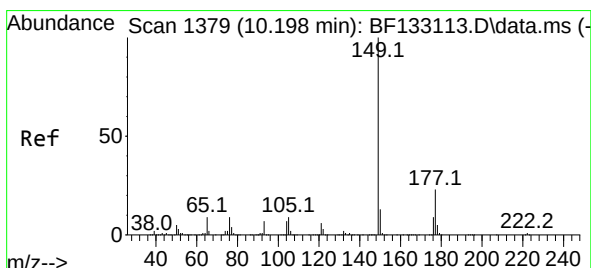
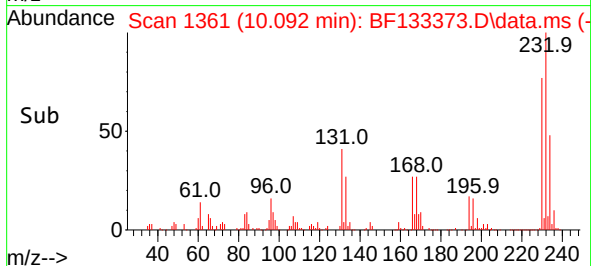
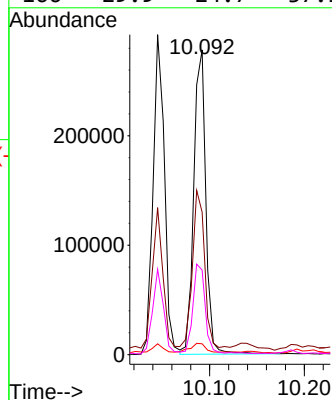
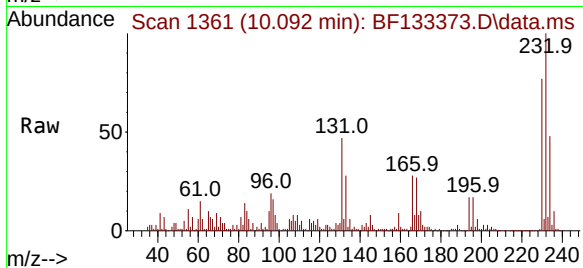




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.109 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

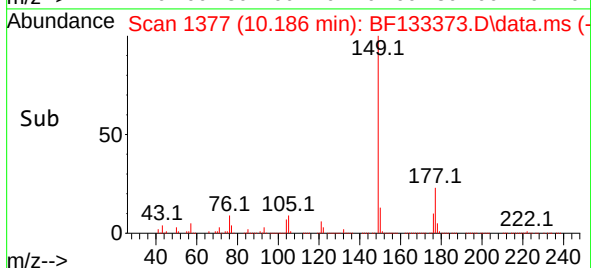
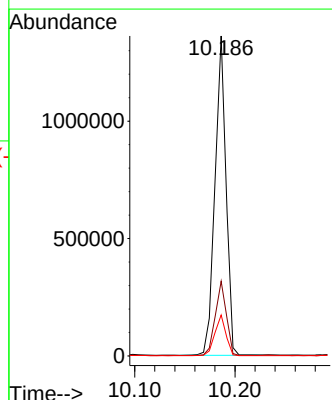
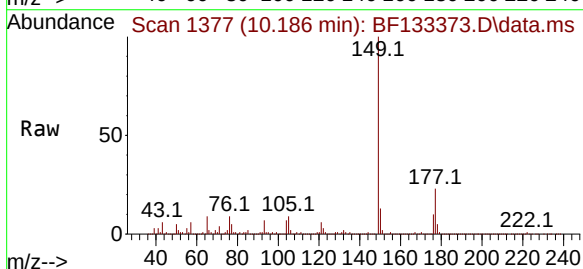
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

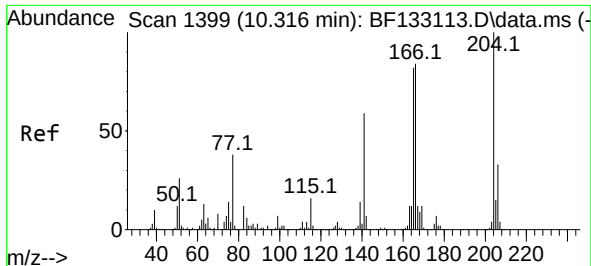
Tgt Ion:232 Resp: 247838
Ion Ratio Lower Upper
232 100
131 53.5 38.0 57.0
130 3.9 1.8 2.8#
166 29.9 24.7 37.1



#60
Diethylphthalate
Concen: 50.122 ng
RT: 10.186 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:149 Resp: 1041710
Ion Ratio Lower Upper
149 100
177 23.4 18.2 27.4
150 12.8 10.2 15.4

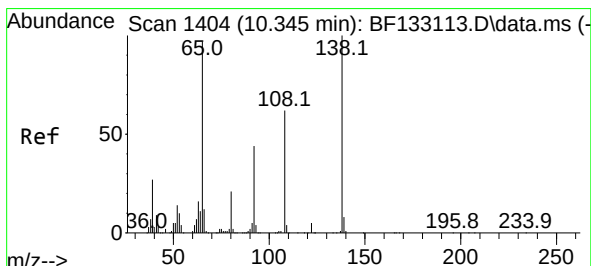
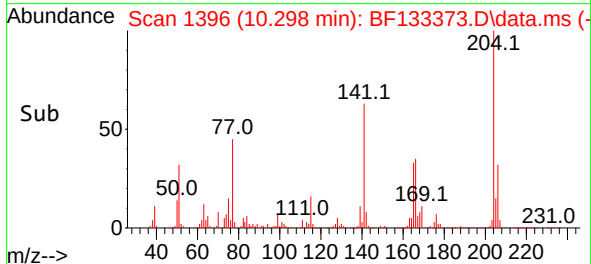
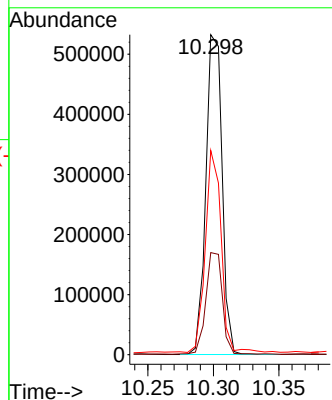
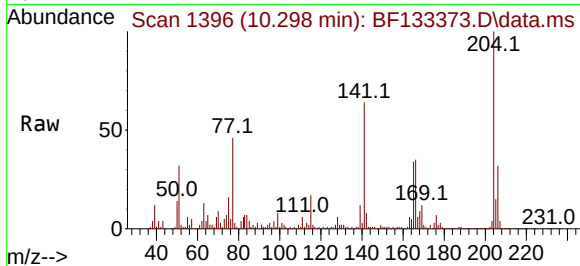




#61
4-Chlorophenyl-phenylether
Concen: 48.306 ng
RT: 10.298 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

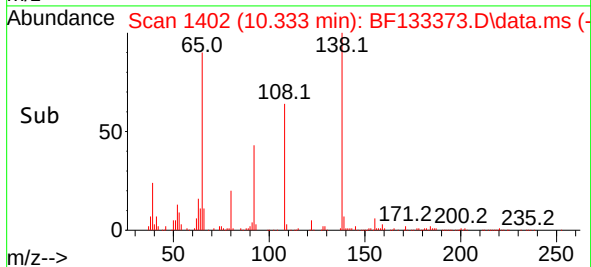
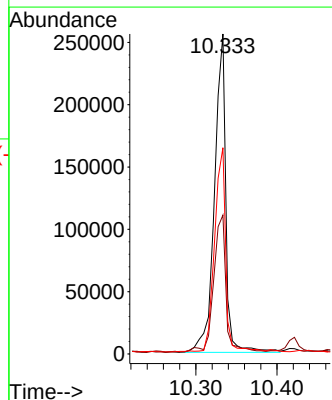
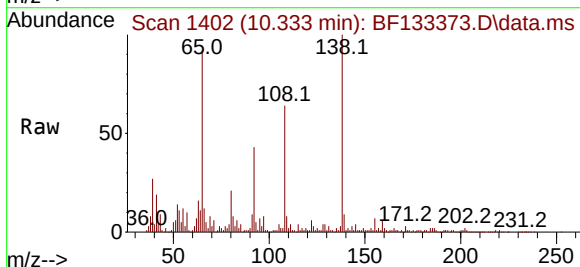
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

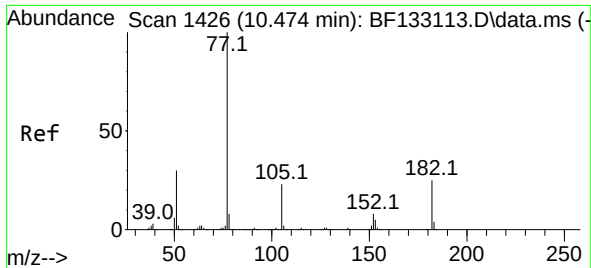
Tgt Ion:204 Resp: 461100
Ion Ratio Lower Upper
204 100
206 31.9 26.1 39.1
141 63.8 46.1 69.1



#62
4-Nitroaniline
Concen: 45.917 ng
RT: 10.333 min Scan# 1402
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:138 Resp: 248506
Ion Ratio Lower Upper
138 100
92 43.4 27.7 67.7
108 64.4 45.2 85.2

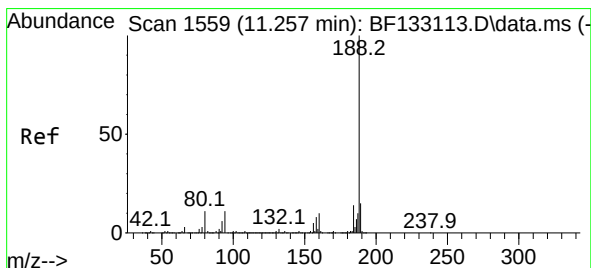
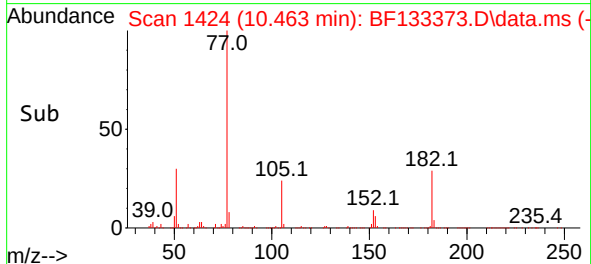
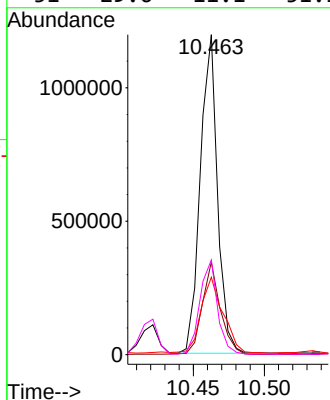
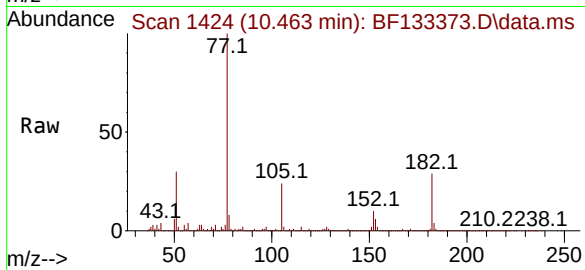




#63
Azobenzene
Concen: 45.752 ng
RT: 10.463 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

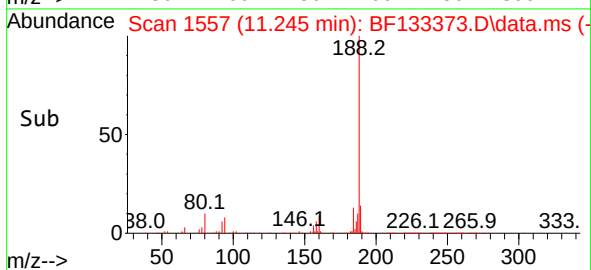
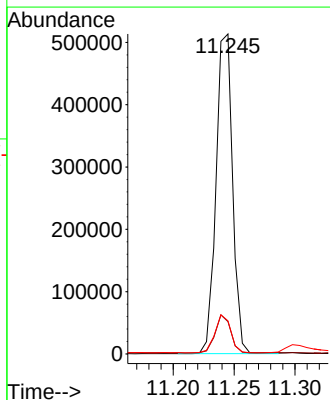
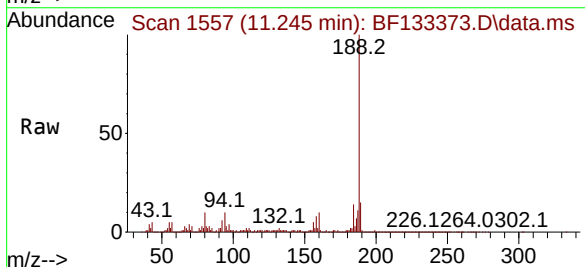
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

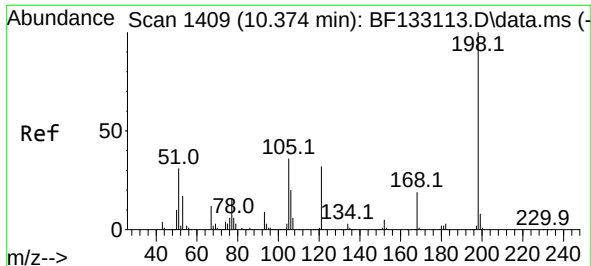
Tgt Ion: 77 Resp: 1007294
Ion Ratio Lower Upper
77 100
182 29.0 5.9 45.9
105 24.2 2.3 42.3
51 29.6 11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 1557
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion: 188 Resp: 486830
Ion Ratio Lower Upper
188 100
94 10.1 9.7 14.5
80 10.3 10.4 15.6#

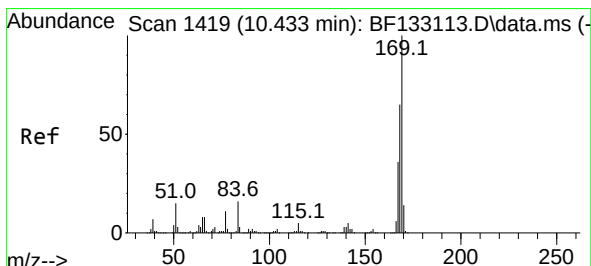
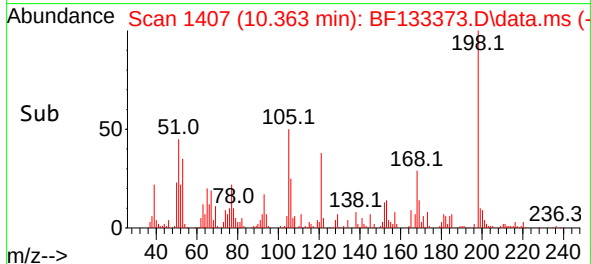
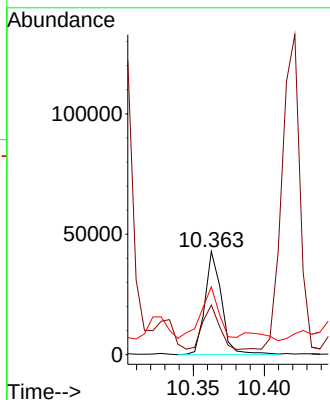
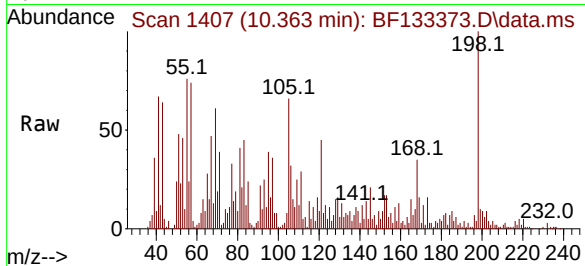




#65
4,6-Dinitro-2-methylphenol
Concen: 11.857 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

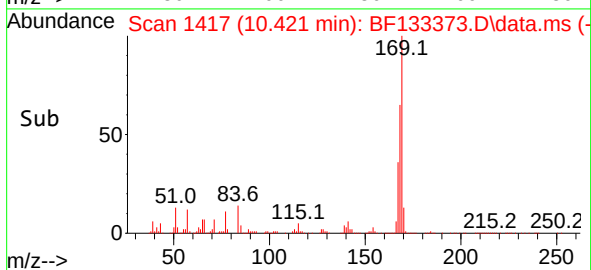
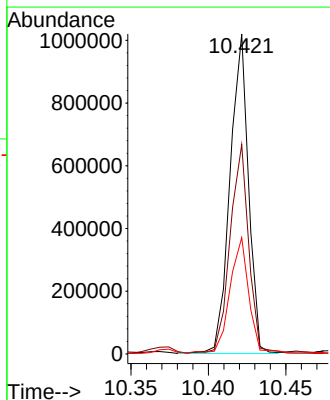
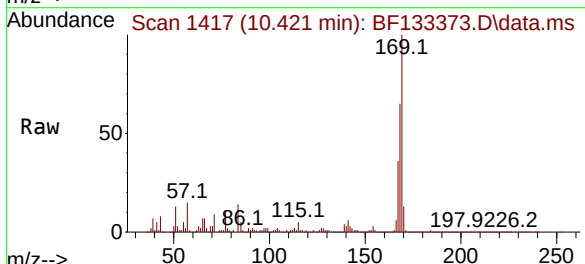
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

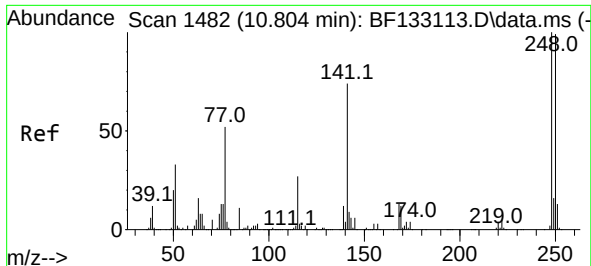
Tgt Ion:198 Resp: 34988
Ion Ratio Lower Upper
198 100
51 48.1 15.5 55.5
105 65.7 16.7 56.7#



#66
n-Nitrosodiphenylamine
Concen: 53.370 ng
RT: 10.421 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:169 Resp: 842786
Ion Ratio Lower Upper
169 100
168 65.5 53.8 80.8
167 36.3 29.7 44.5

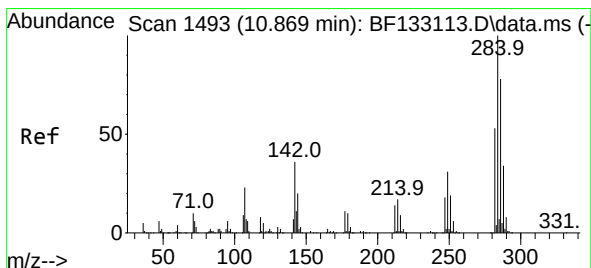
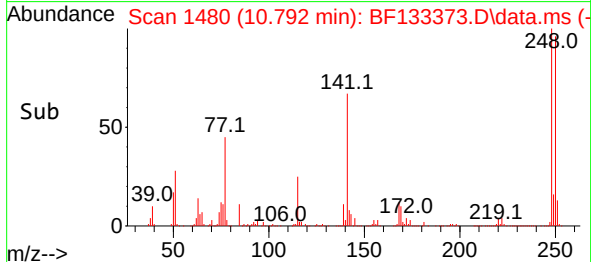
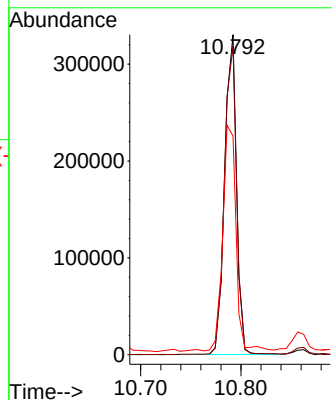
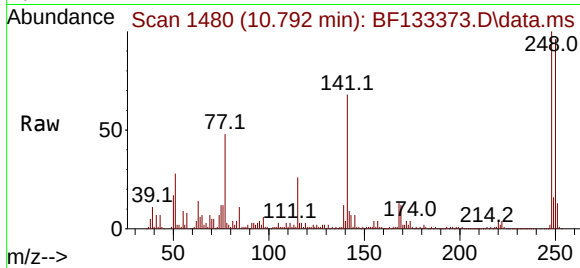




#67
4-Bromophenyl-phenylether
Concen: 51.538 ng
RT: 10.792 min Scan# 1480
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

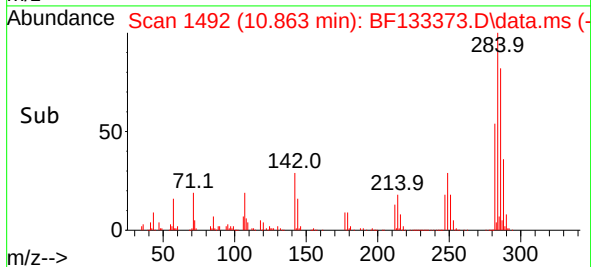
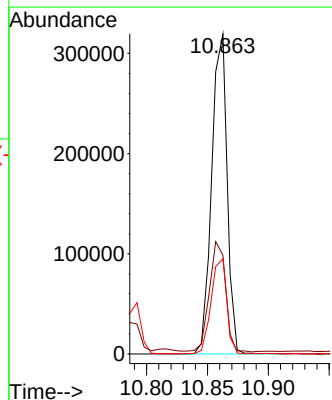
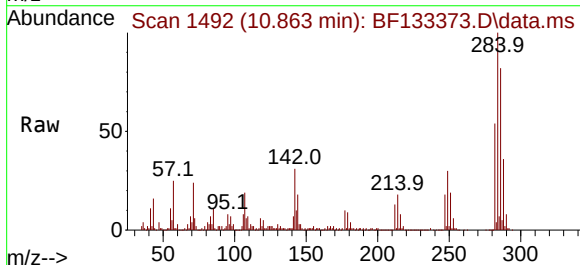
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

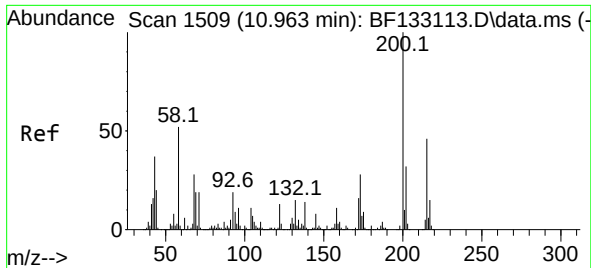
Tgt Ion:248 Resp: 272116
Ion Ratio Lower Upper
248 100
250 96.4 78.7 118.1
141 68.4 56.3 84.5



#68
Hexachlorobenzene
Concen: 51.940 ng
RT: 10.863 min Scan# 1492
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:284 Resp: 281011
Ion Ratio Lower Upper
284 100
142 30.9 26.0 39.0
249 29.8 23.7 35.5

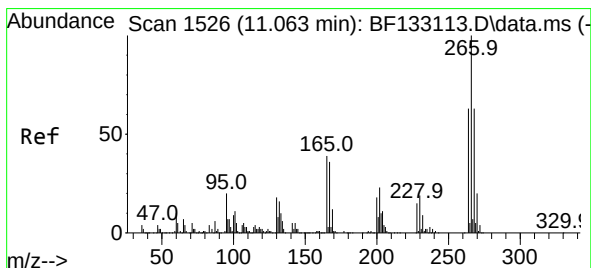
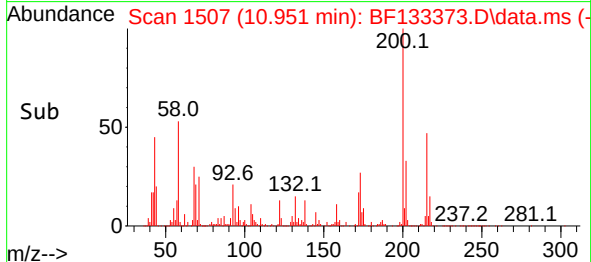
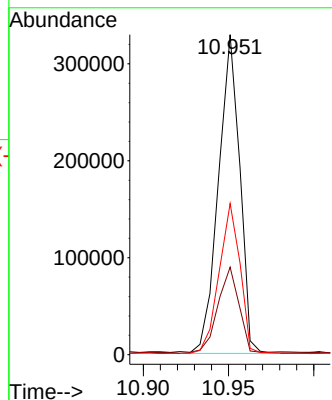
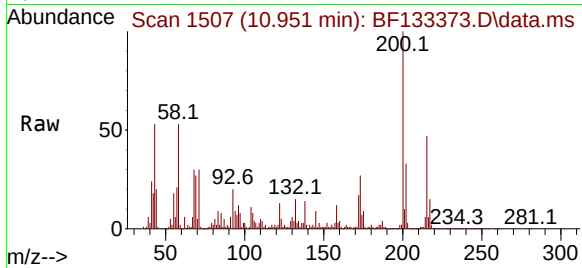




#69
 Atrazine
 Concen: 62.849 ng
 RT: 10.951 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF133373.D
 Acq: 12 May 2023 17:12

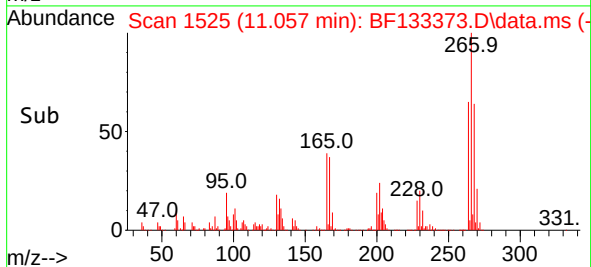
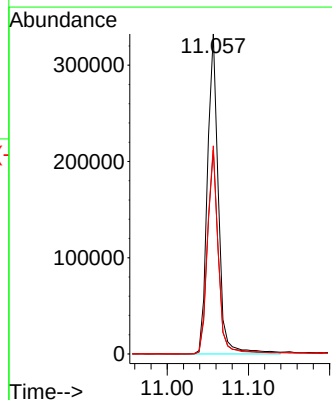
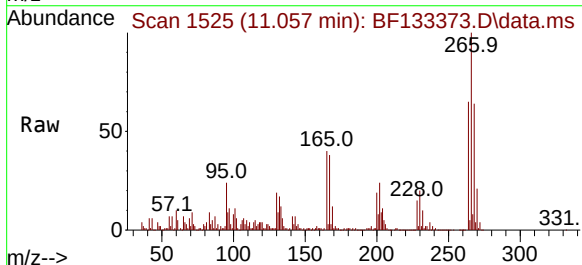
Instrument :
 BNA_F
 ClientSampleId :
 HR-2-051123MSD

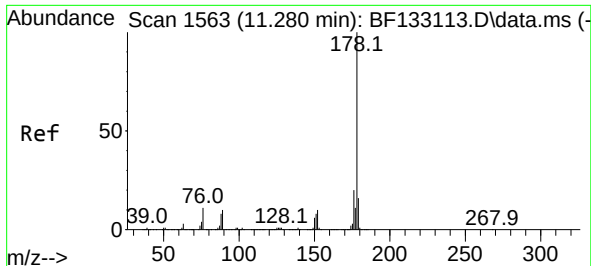
Tgt Ion:200 Resp: 285977
 Ion Ratio Lower Upper
 200 100
 173 27.4 6.2 46.2
 215 47.3 26.3 66.3



#70
 Pentachlorophenol
 Concen: 80.824 ng
 RT: 11.057 min Scan# 1525
 Delta R.T. 0.006 min
 Lab File: BF133373.D
 Acq: 12 May 2023 17:12

Tgt Ion:266 Resp: 311428
 Ion Ratio Lower Upper
 266 100
 268 63.7 48.8 73.2
 264 65.1 50.6 76.0

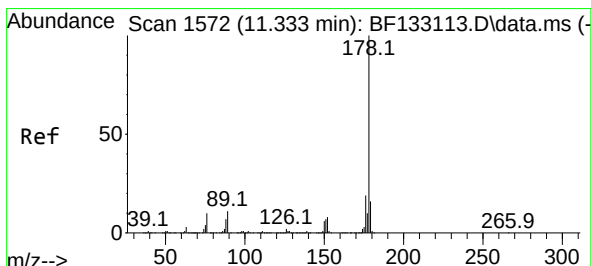
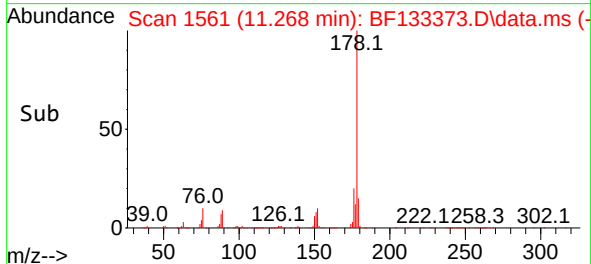
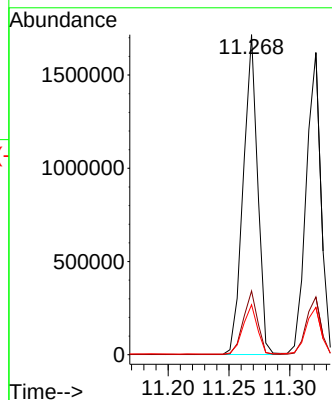
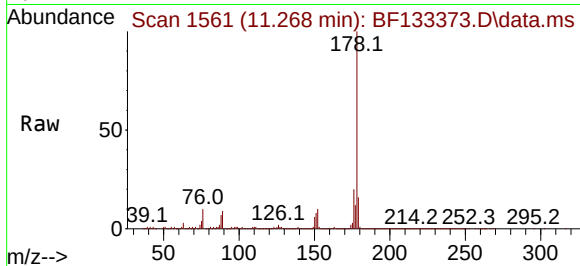




#71
Phenanthrene
Concen: 53.964 ng
RT: 11.268 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

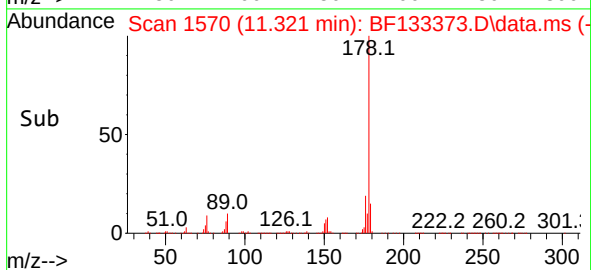
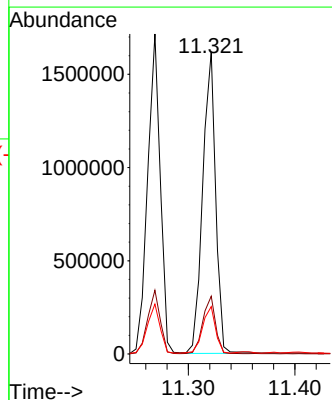
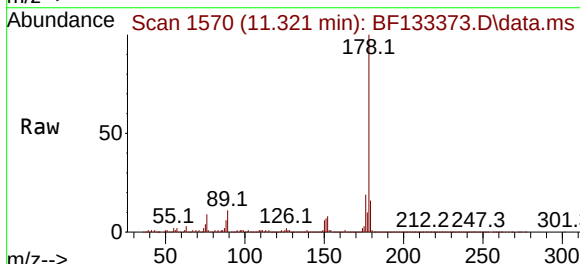
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

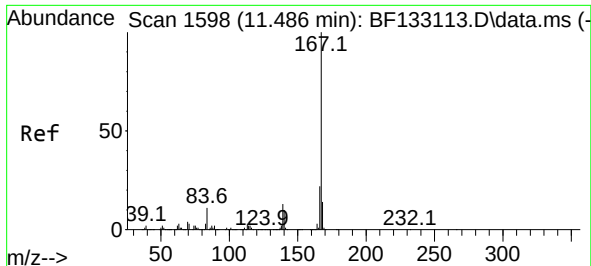
Tgt Ion:178 Resp: 1412005
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 51.275 ng
RT: 11.321 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:178 Resp: 1373029
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.7 12.4 18.6

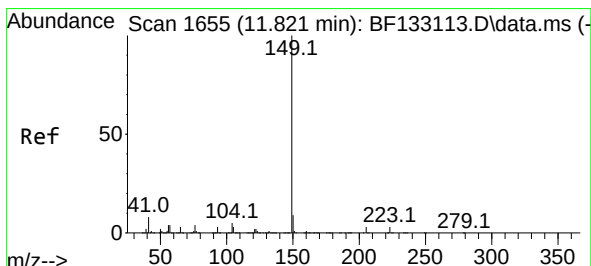
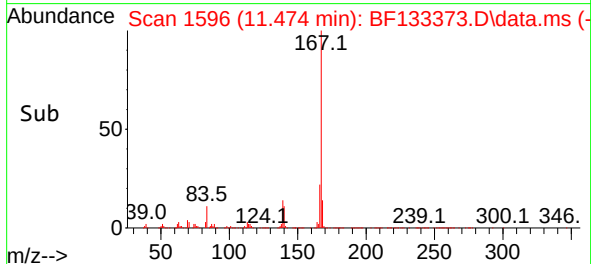
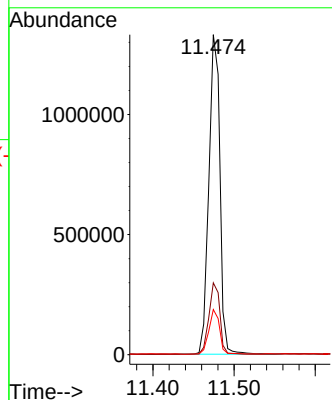
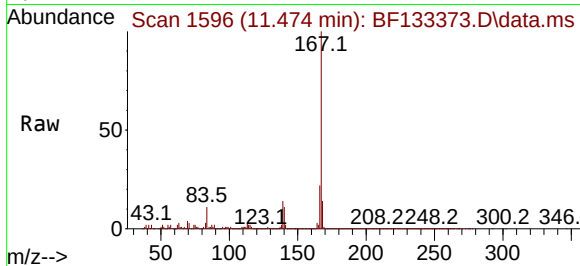




#73
 Carbazole
 Concen: 52.574 ng
 RT: 11.474 min Scan# 1596
 Delta R.T. -0.000 min
 Lab File: BF133373.D
 Acq: 12 May 2023 17:12

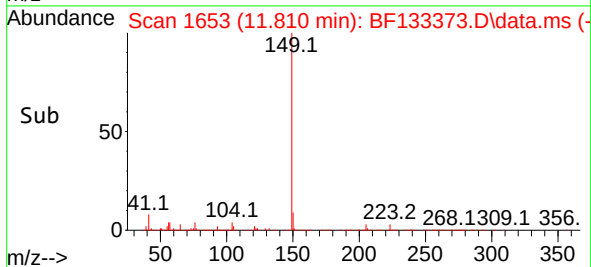
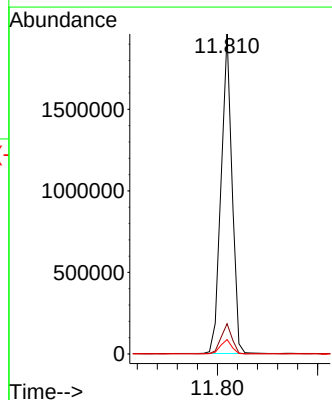
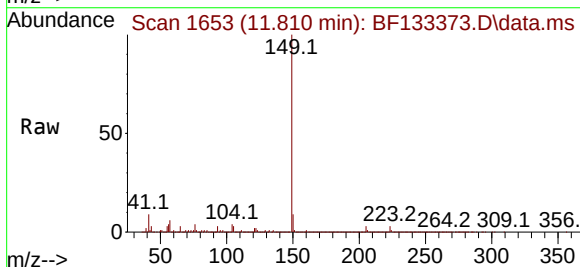
Instrument :
 BNA_F
 ClientSampleId :
 HR-2-051123MSD

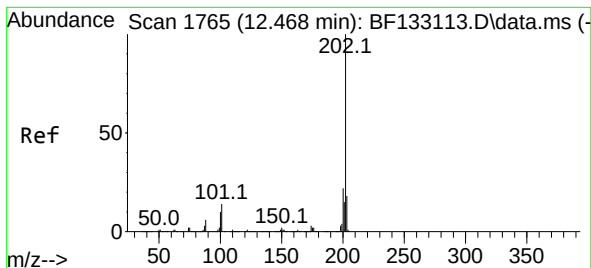
Tgt Ion:167 Resp: 1253556
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.4 26.0
 139 14.1 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 54.782 ng
 RT: 11.810 min Scan# 1653
 Delta R.T. 0.006 min
 Lab File: BF133373.D
 Acq: 12 May 2023 17:12

Tgt Ion:149 Resp: 1478184
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.6 11.4
 104 4.5 4.0 6.0





#75

Fluoranthene

Concen: 55.066 ng

RT: 12.463 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

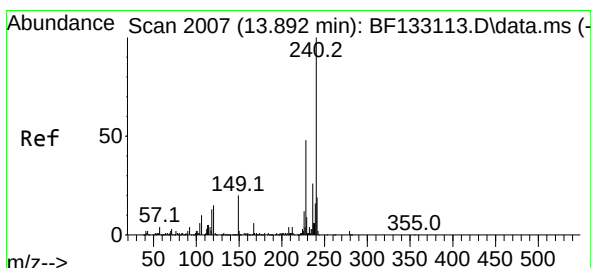
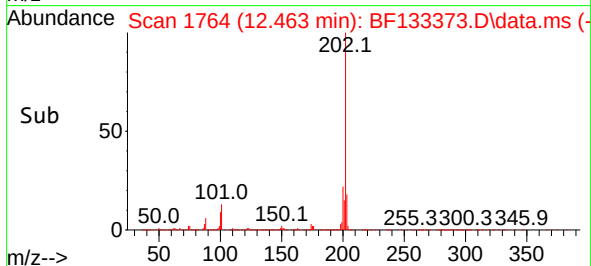
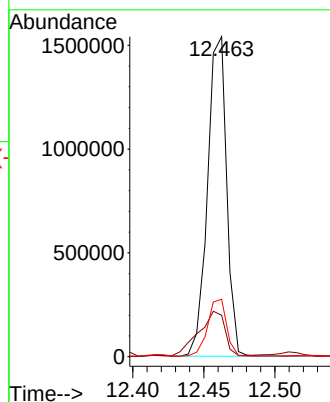
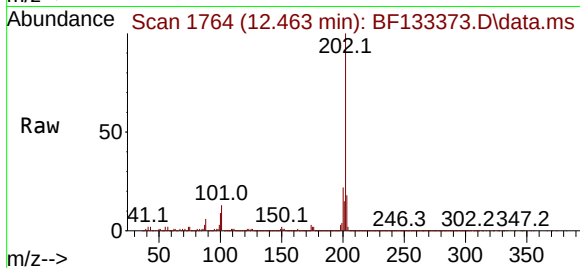
Tgt Ion:202 Resp: 1446040

Ion Ratio Lower Upper

202 100

101 13.0 0.0 35.3

203 18.0 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.886 min Scan# 2006

Delta R.T. 0.006 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

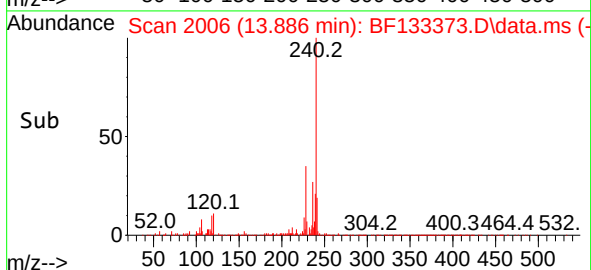
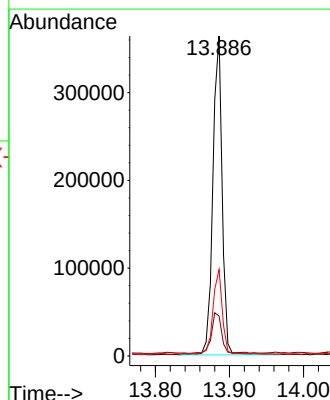
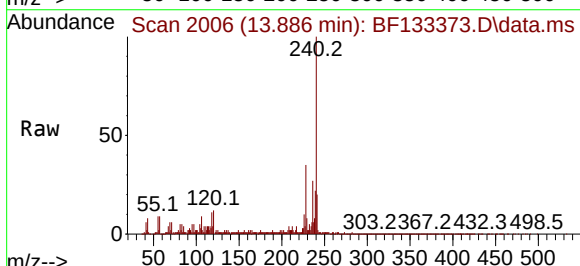
Tgt Ion:240 Resp: 314853

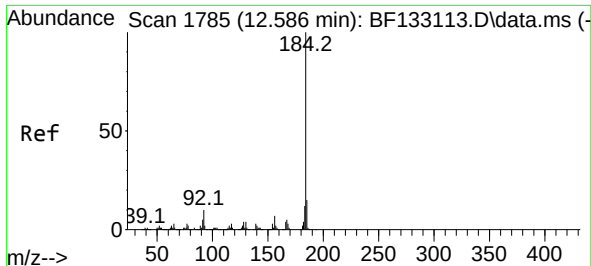
Ion Ratio Lower Upper

240 100

120 12.4 10.5 15.7

236 27.0 21.5 32.3

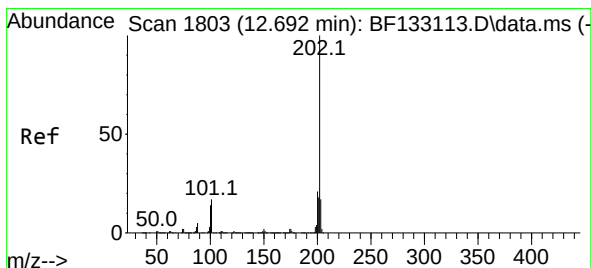
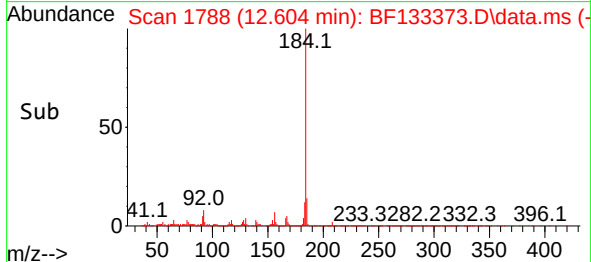
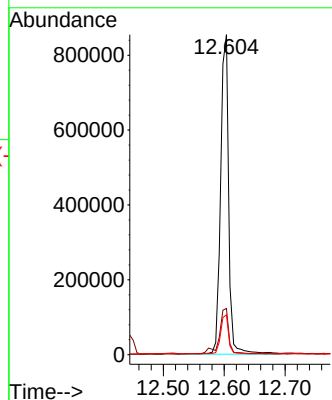
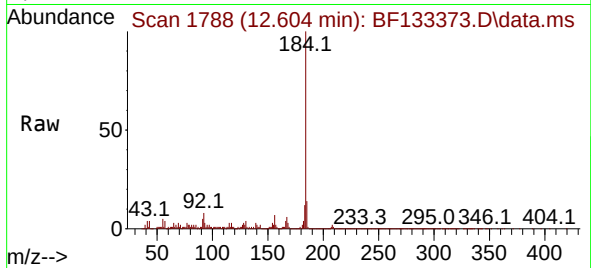




#77
Benzidine
Concen: 147.877 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.029 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

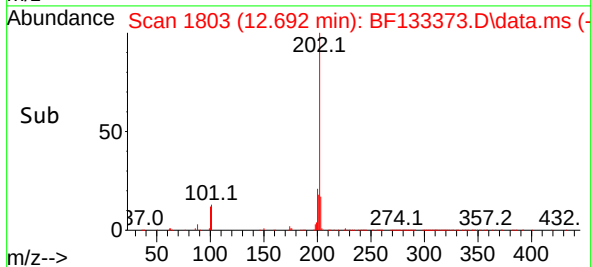
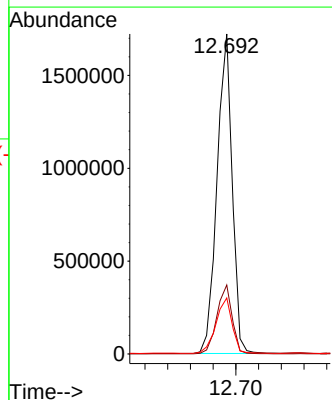
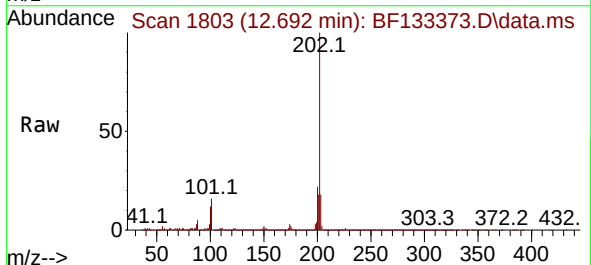
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

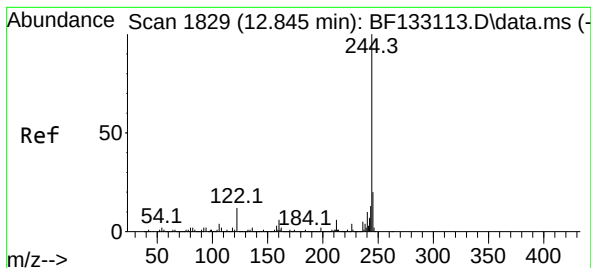
Tgt Ion:184 Resp: 787348
Ion Ratio Lower Upper
184 100
185 14.5 15.4 23.2#
183 12.4 9.4 14.0



#78
Pyrene
Concen: 59.153 ng
RT: 12.692 min Scan# 1803
Delta R.T. 0.012 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:202 Resp: 1596561
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 71.289 ng

RT: 12.833 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

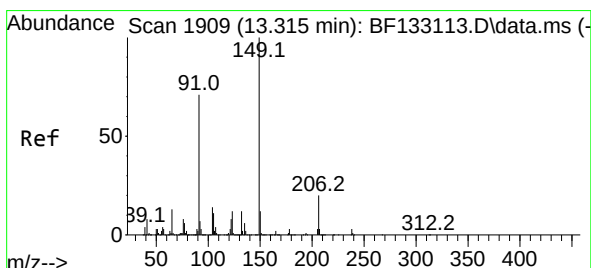
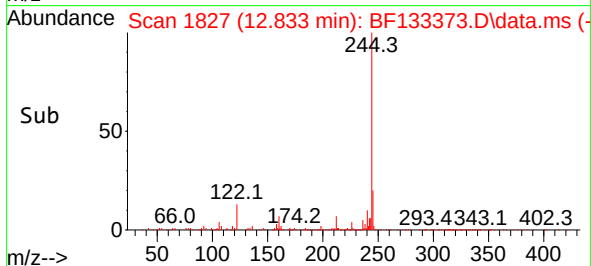
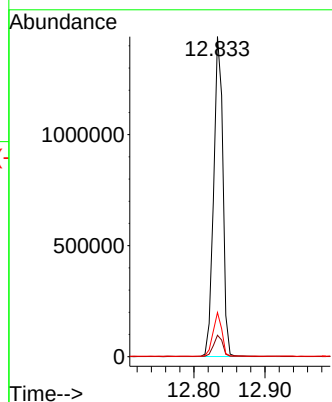
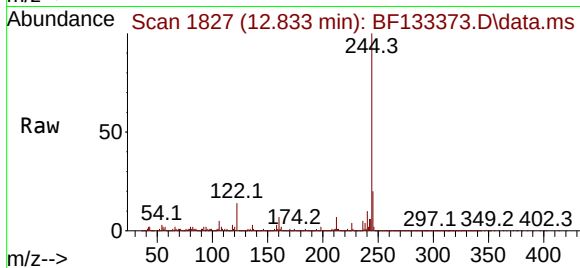
Tgt Ion:244 Resp: 1301438

Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 13.8 8.6 13.0#



#80

Butylbenzylphthalate

Concen: 65.135 ng

RT: 13.304 min Scan# 1907

Delta R.T. -0.000 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

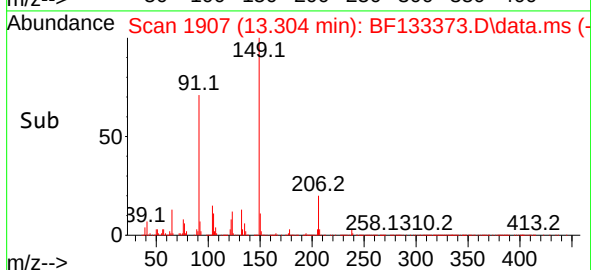
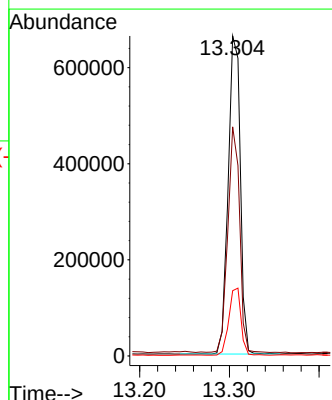
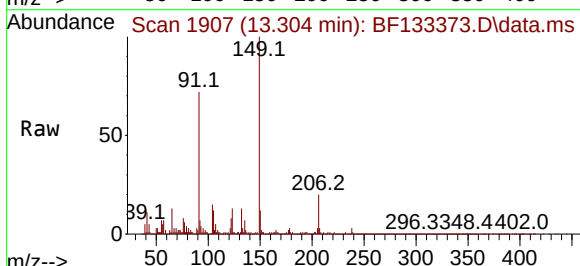
Tgt Ion:149 Resp: 622466

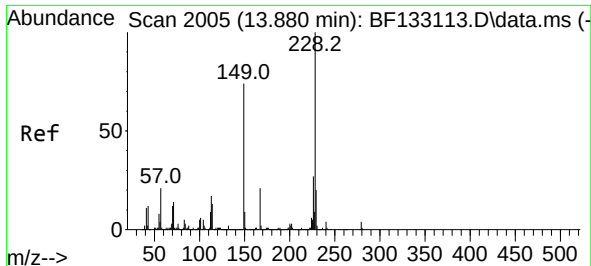
Ion Ratio Lower Upper

149 100

91 71.6 53.8 80.6

206 20.4 17.5 26.3

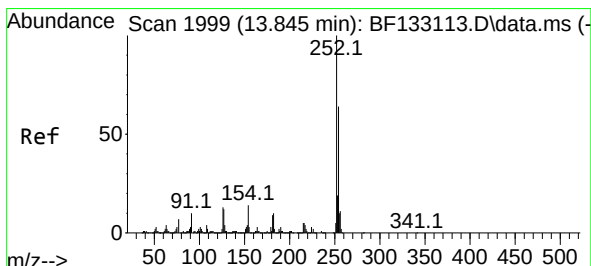
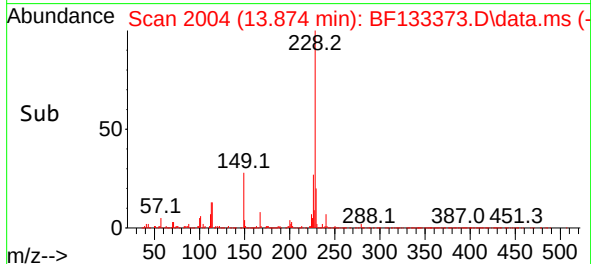
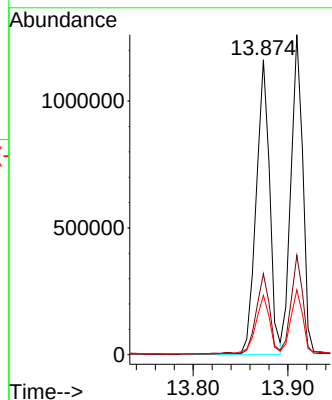
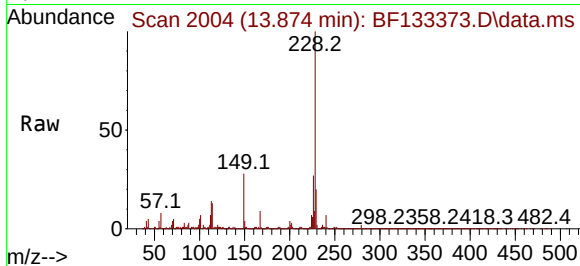




#81
Benzo(a)anthracene
Concen: 52.892 ng
RT: 13.874 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

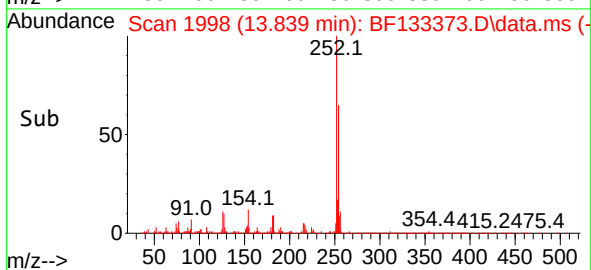
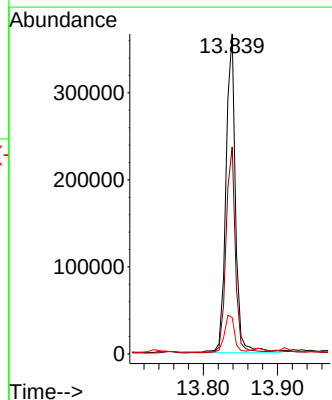
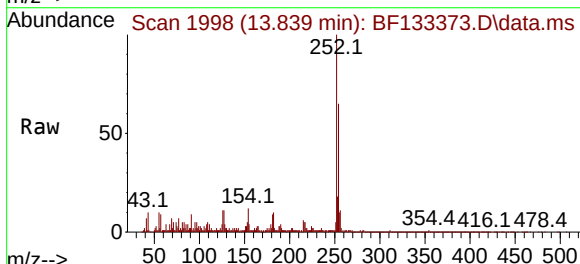
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

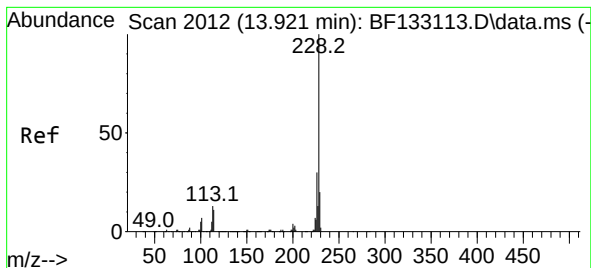
Tgt Ion:228 Resp: 1145198
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.4
229 20.1 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 55.072 ng
RT: 13.839 min Scan# 1998
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:252 Resp: 329399
Ion Ratio Lower Upper
252 100
254 64.7 51.5 77.3
126 11.4 9.5 14.3





#83

Chrysene

Concen: 50.266 ng

RT: 13.909 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

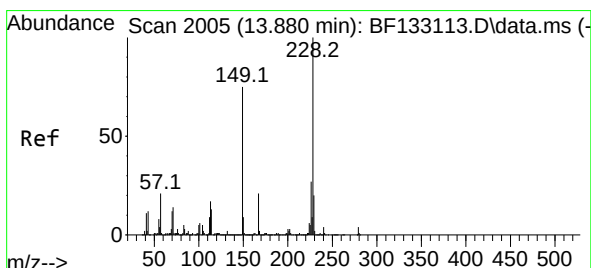
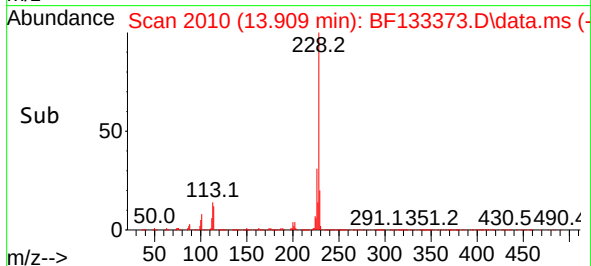
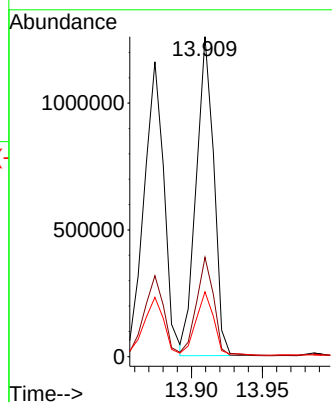
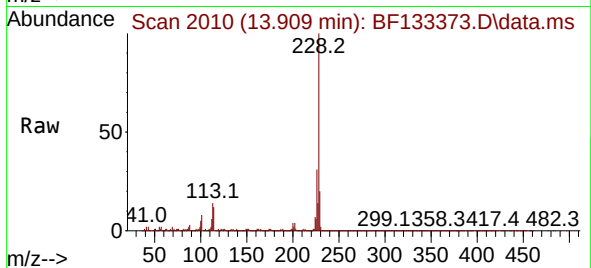
Tgt Ion:228 Resp: 1088072

Ion Ratio Lower Upper

228 100

226 31.0 24.7 37.1

229 20.2 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 64.706 ng

RT: 13.868 min Scan# 2003

Delta R.T. 0.006 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

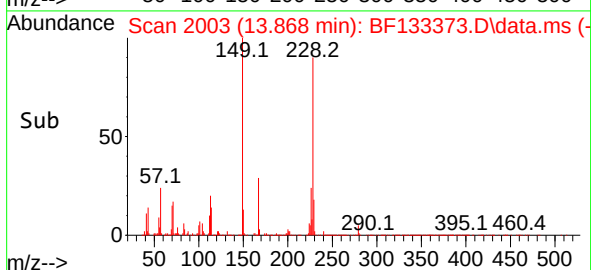
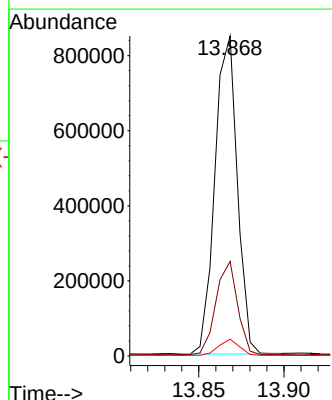
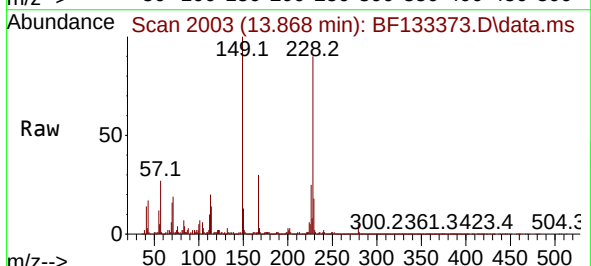
Tgt Ion:149 Resp: 776155

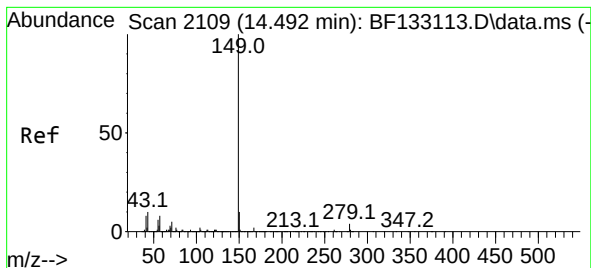
Ion Ratio Lower Upper

149 100

167 29.6 22.5 33.7

279 5.3 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 65.402 ng

RT: 14.480 min Scan# 2109

Delta R.T. 0.006 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

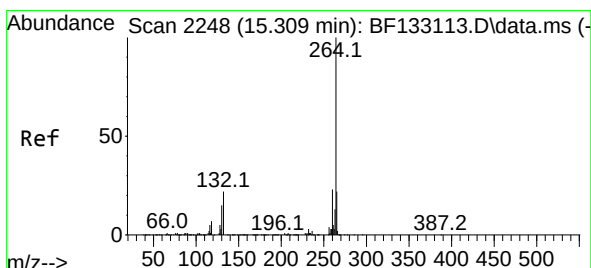
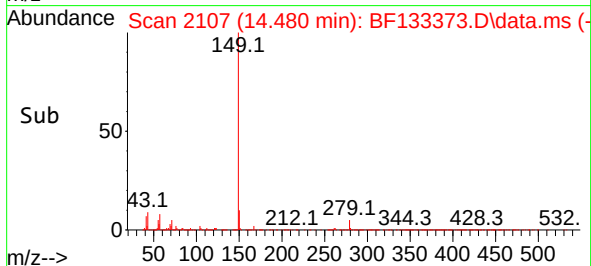
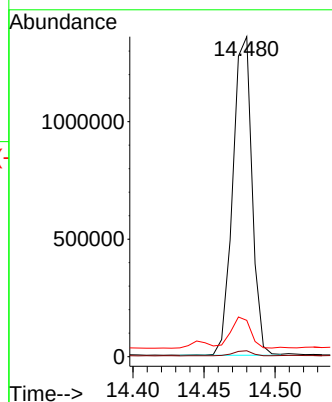
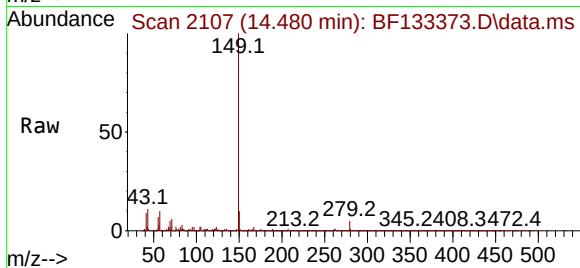
Tgt Ion:149 Resp: 1279180

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 9.9 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: BF133373.D

Acq: 12 May 2023 17:12

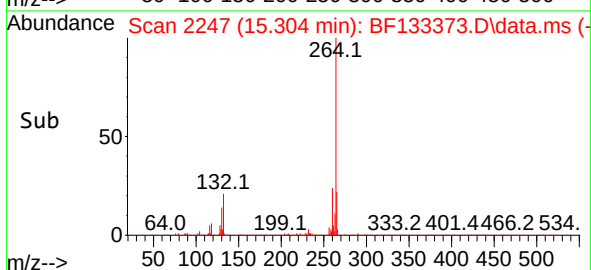
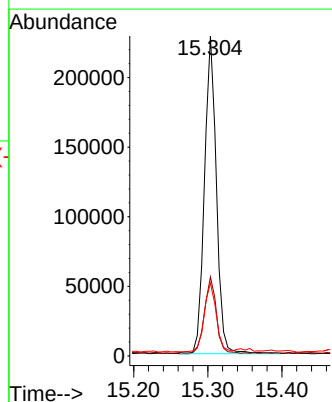
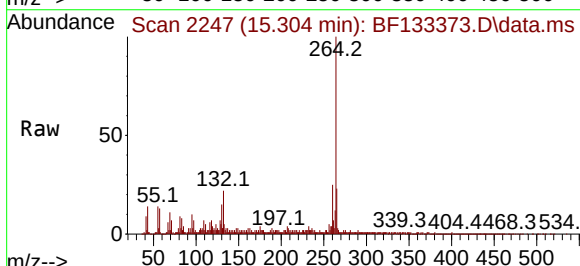
Tgt Ion:264 Resp: 255145

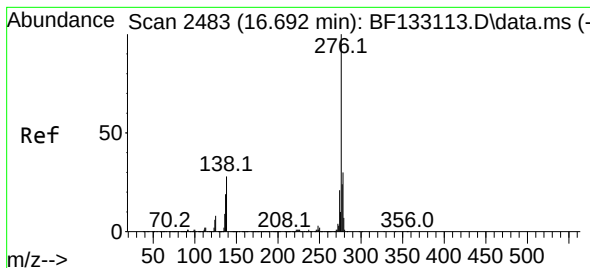
Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

265 22.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 58.217 ng

RT: 16.698 min Scan# 2483

Delta R.T. 0.018 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

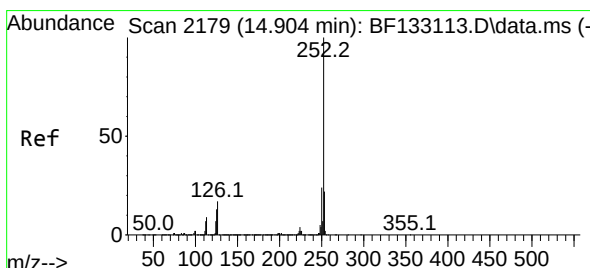
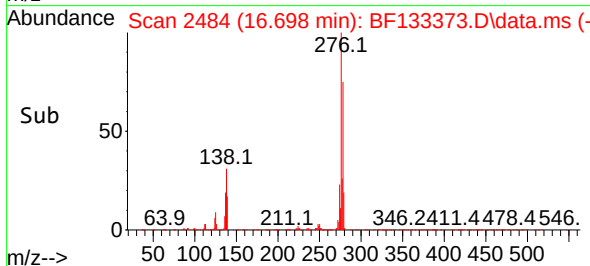
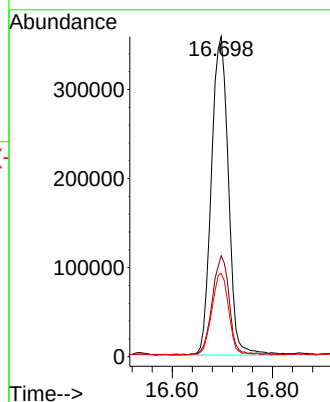
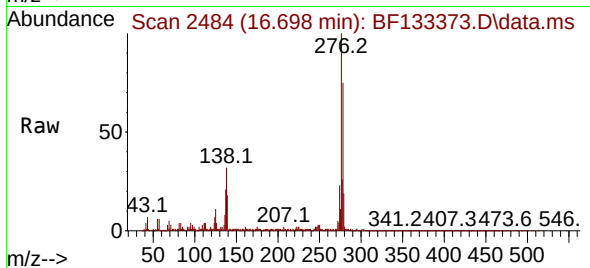
Tgt Ion:276 Resp: 844920

Ion Ratio Lower Upper

276 100

138 30.6 25.5 38.3

277 25.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 47.987 ng

RT: 14.927 min Scan# 2183

Delta R.T. 0.035 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

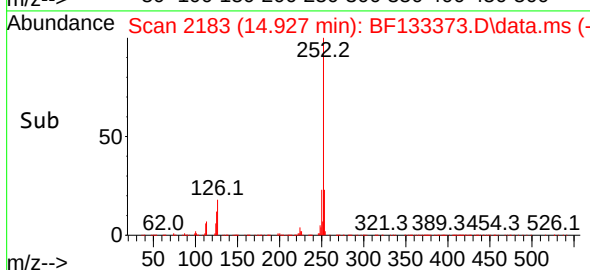
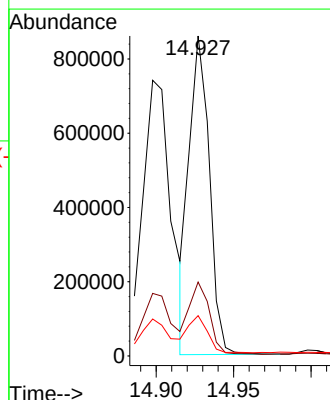
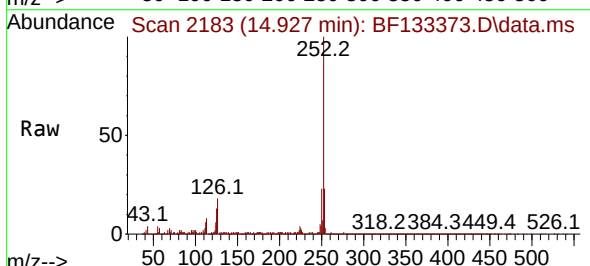
Tgt Ion:252 Resp: 778934

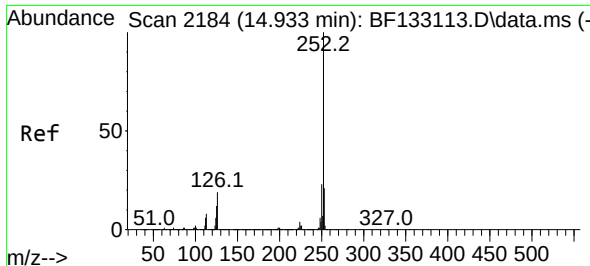
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 12.6 8.9 13.3

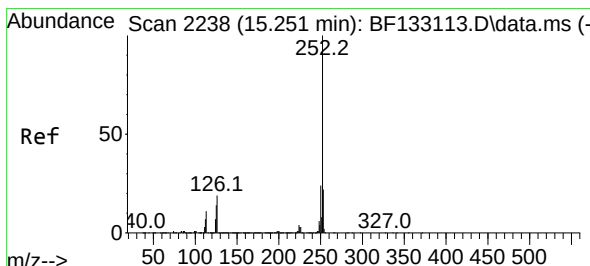
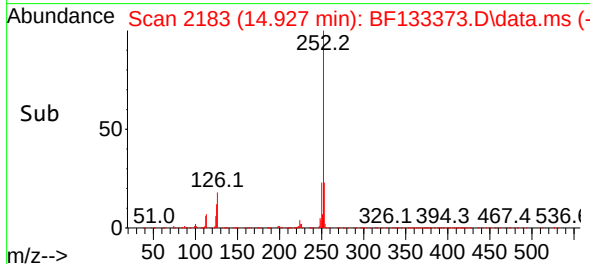
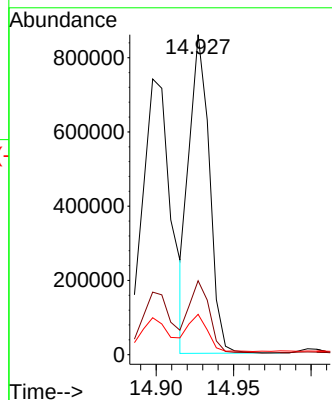
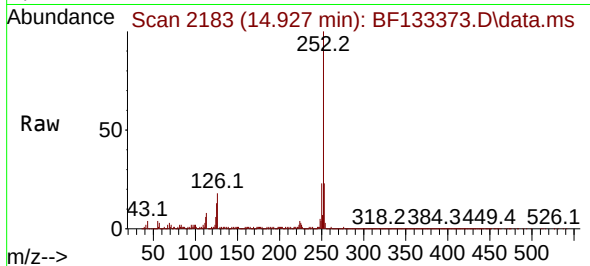




#89
Benzo(k)fluoranthene
Concen: 48.409 ng
RT: 14.927 min Scan# 2184
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

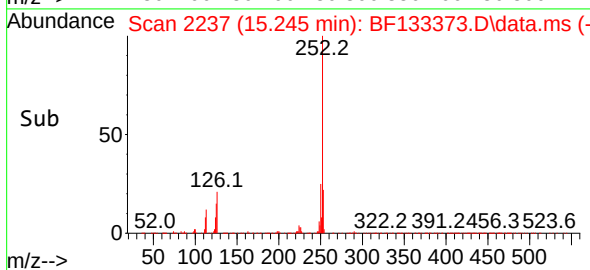
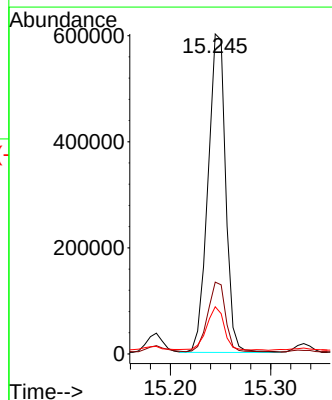
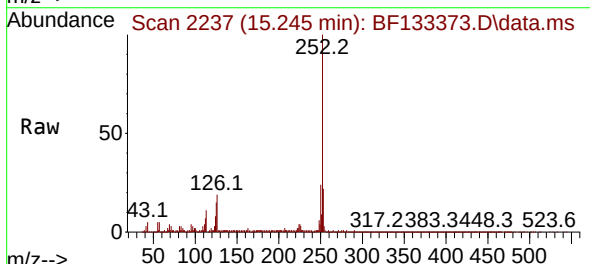
Instrument :
BNA_F
ClientSampleId :
HR-2-051123MSD

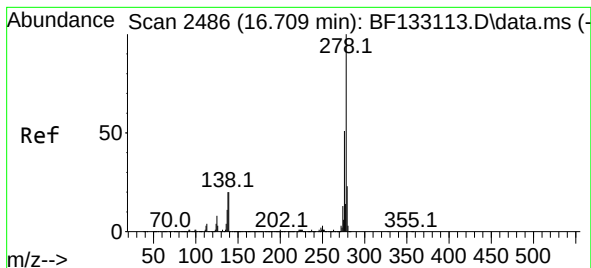
Tgt Ion:252 Resp: 778934
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 12.6 9.0 13.4



#90
Benzo(a)pyrene
Concen: 49.973 ng
RT: 15.245 min Scan# 2237
Delta R.T. 0.006 min
Lab File: BF133373.D
Acq: 12 May 2023 17:12

Tgt Ion:252 Resp: 738329
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 14.8 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 56.906 ng

RT: 16.709 min Scan# 2486

Delta R.T. 0.018 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Instrument :

BNA_F

ClientSampleId :

HR-2-051123MSD

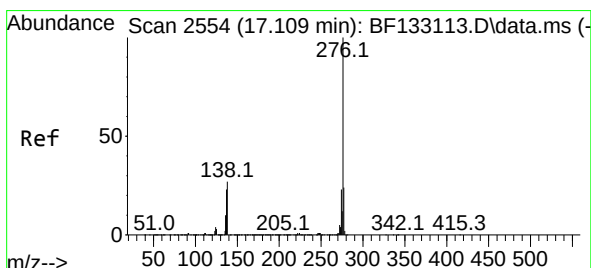
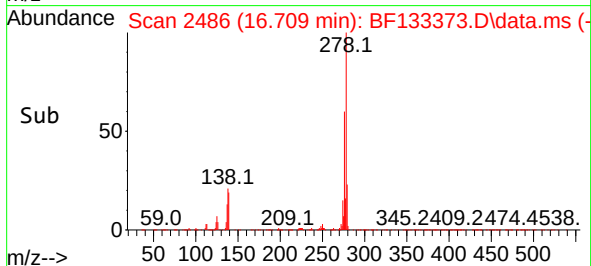
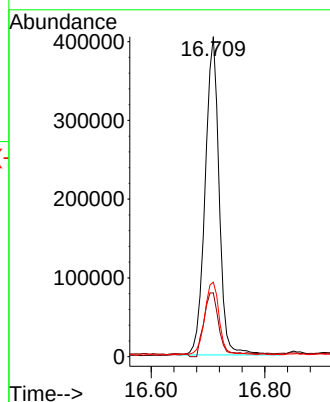
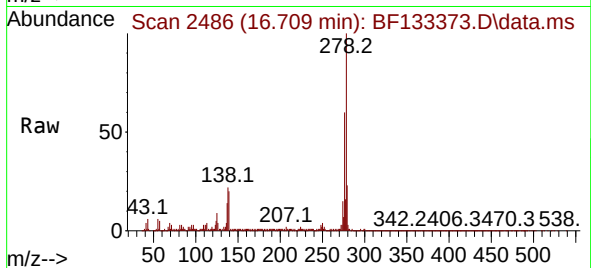
Tgt Ion:278 Resp: 688830

Ion Ratio Lower Upper

278 100

139 19.9 16.6 24.8

279 23.3 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 57.292 ng

RT: 17.115 min Scan# 2555

Delta R.T. 0.023 min

Lab File: BF133373.D

Acq: 12 May 2023 17:12

Tgt Ion:276 Resp: 684666

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.0

138 26.3 22.7 34.1

