

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051023\
 Data File : BF133332.D
 Acq On : 10 May 2023 15:56
 Operator : CG\JU
 Sample : 02719-02MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04_0-2_20230509MSD

Quant Time: May 10 16:33:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	205454	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	842513	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	434600	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	750294	20.000	ng	# 0.00
76) Chrysene-d12	13.880	240	378835	20.000	ng	0.00
86) Perylene-d12	15.298	264	467442	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1619161	119.050	ng	0.02
7) Phenol-d6	6.375	99	1935631	114.661	ng	0.00
23) Nitrobenzene-d5	7.292	82	1233968	79.056	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	460177	105.286	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	2012863	77.485	ng	0.00
79) Terphenyl-d14	12.827	244	1980369	90.157	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.440	88	257131	40.759	ng	98
3) Pyridine	3.134	79	657513	39.242	ng	96
4) n-Nitrosodimethylamine	3.093	42	364056	41.948	ng	99
6) Aniline	6.387	93	609926	28.052	ng	# 5
8) 2-Chlorophenol	6.510	128	672081	48.669	ng	96
9) Benzaldehyde	6.269	77	458810	90.881	ng	98
10) Phenol	6.387	94	779564	41.860	ng	77
11) bis(2-Chloroethyl)ether	6.463	93	634718	45.418	ng	96
12) 1,3-Dichlorobenzene	6.663	146	699039	47.613	ng	99
13) 1,4-Dichlorobenzene	6.740	146	711591	48.361	ng	99
14) 1,2-Dichlorobenzene	6.893	146	667411	49.199	ng	97
15) Benzyl Alcohol	6.875	79	557493	47.808	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.004	45	1005132	41.410	ng	84
17) 2-Methylphenol	6.992	107	539517	42.667	ng	97
18) Hexachloroethane	7.234	117	249233	48.719	ng	95
19) n-Nitroso-di-n-propyla...	7.145	70	430084	40.923	ng	97
20) 3+4-Methylphenols	7.145	107	662901	44.516	ng	# 78
22) Acetophenone	7.134	105	901870	46.211	ng	# 94
24) Nitrobenzene	7.310	77	674021	42.614	ng	98
25) Isophorone	7.551	82	1263546	42.636	ng	99
26) 2-Nitrophenol	7.628	139	375252	49.188	ng	95
27) 2,4-Dimethylphenol	7.675	122	600997	45.943	ng	99
28) bis(2-Chloroethoxy)met...	7.763	93	763399	43.543	ng	99
29) 2,4-Dichlorophenol	7.875	162	552300	46.378	ng	97
30) 1,2,4-Trichlorobenzene	7.951	180	567267	45.980	ng	99
31) Naphthalene	8.034	128	1838796	43.653	ng	100
32) Benzoic acid	7.675	122	600997	74.378	ng	# 12
33) 4-Chloroaniline	8.081	127	350018	20.566	ng	99
34) Hexachlorobutadiene	8.151	225	307151	44.919	ng	99
35) Caprolactam	8.451	113	128747	32.182	ng	94
36) 4-Chloro-3-methylphenol	8.575	107	589085	45.872	ng	99
37) 2-Methylnaphthalene	8.722	142	1225180	42.543	ng	99
38) 1-Methylnaphthalene	8.822	142	1139369	42.292	ng	99
40) 1,2,4,5-Tetrachloroben...	8.892	216	504437	43.169	ng	99
41) Hexachlorocyclopentadiene	8.875	237	562657	82.564	ng	99
43) 2,4,6-Trichlorophenol	9.004	196	358893	44.411	ng	99

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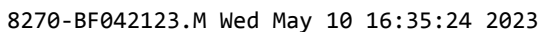
Instrument :
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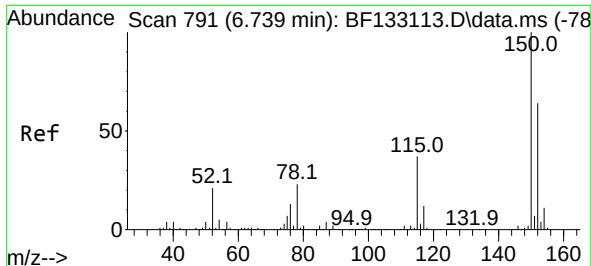
Quant Time: May 10 16:33:05 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.051	196	381763	40.848	ng	96
46) 1,1'-Biphenyl	9.186	154	1506898	43.727	ng	99
47) 2-Chloronaphthalene	9.210	162	1140343	45.209	ng	99
48) 2-Nitroaniline	9.310	65	369641	44.341	ng	99
49) Acenaphthylene	9.622	152	1768873	43.889	ng	100
50) Dimethylphthalate	9.492	163	1339929	44.216	ng	99
51) 2,6-Dinitrotoluene	9.551	165	312854	45.869	ng	93
52) Acenaphthene	9.798	154	1080929	40.044	ng	99
53) 3-Nitroaniline	9.722	138	249770	30.798	ng	97
54) 2,4-Dinitrophenol	9.828	184	82675	24.115	ng	97
55) Dibenzofuran	9.969	168	1554091	42.206	ng	98
56) 4-Nitrophenol	9.898	139	445303	70.894	ng	98
57) 2,4-Dinitrotoluene	9.957	165	394112	45.310	ng	94
58) Fluorene	10.310	166	1179415	43.719	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.092	232	272023	37.543	ng	99
60) Diethylphthalate	10.186	149	1265053	44.196	ng	99
61) 4-Chlorophenyl-phenyle...	10.304	204	560494	42.634	ng	98
62) 4-Nitroaniline	10.339	138	352958	47.353	ng	97
63) Azobenzene	10.463	77	1320202	43.539	ng	99
65) 4,6-Dinitro-2-methylph...	10.363	198	119012	26.170	ng	77
66) n-Nitrosodiphenylamine	10.422	169	1076247	44.222	ng	100
67) 4-Bromophenyl-phenylether	10.792	248	357207	43.897	ng	99
68) Hexachlorobenzene	10.857	284	380747	45.663	ng	93
69) Atrazine	10.951	200	368389	52.531	ng	97
70) Pentachlorophenol	11.057	266	233253	39.278	ng	97
71) Phenanthrene	11.269	178	1772127	43.945	ng	99
72) Anthracene	11.322	178	1817904	44.050	ng	99
73) Carbazole	11.480	167	1623844	44.189	ng	100
74) Di-n-butylphthalate	11.810	149	1934581	46.521	ng	100
75) Fluoranthene	12.457	202	1678728	41.479	ng	98
77) Benzidine	12.580	184	753357	117.596	ng	# 93
78) Pyrene	12.686	202	1679157	51.706	ng	100
80) Butylbenzylphthalate	13.304	149	677163	58.891	ng	95
81) Benzo(a)anthracene	13.869	228	1133675	43.517	ng	100
82) 3,3'-Dichlorobenzidine	13.833	252	176524	24.528	ng	99
83) Chrysene	13.904	228	1129932	43.384	ng	100
84) Bis(2-ethylhexyl)phtha...	13.869	149	768625	53.256	ng	99
85) Di-n-octyl phthalate	14.480	149	1391916	59.146	ng	97
87) Indeno(1,2,3-cd)pyrene	16.692	276	1537235	57.815	ng	99
88) Benzo(b)fluoranthene	14.898	252	1278822	43.003	ng	99
89) Benzo(k)fluoranthene	14.927	252	1223877	41.517	ng	99
90) Benzo(a)pyrene	15.245	252	1170404	43.240	ng	100
91) Dibenzo(a,h)anthracene	16.704	278	1265570	57.068	ng	99
92) Benzo(g,h,i)perylene	17.109	276	1270491	58.029	ng	97

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

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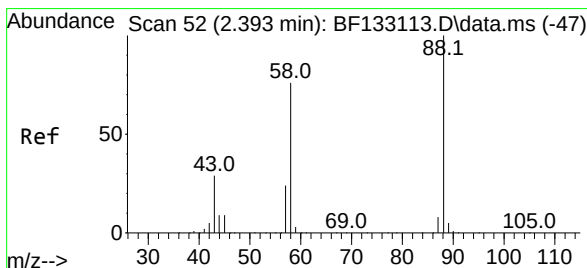
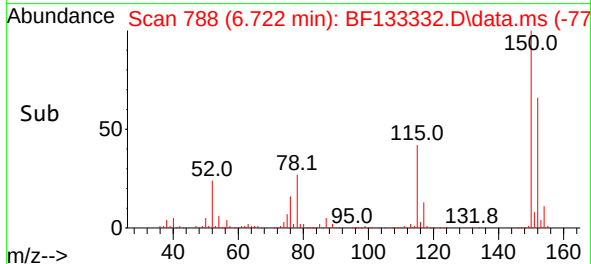
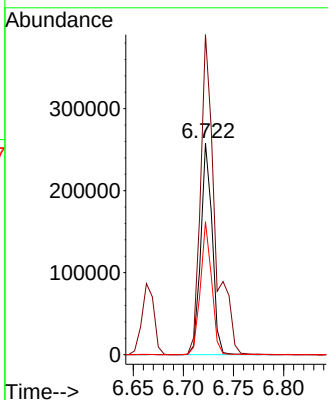
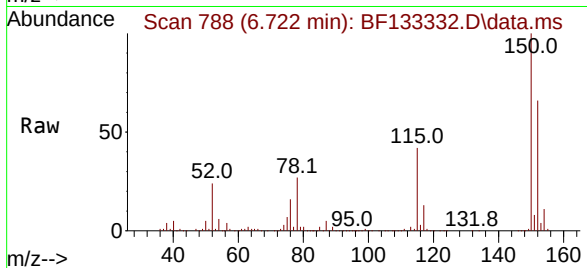




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133332.D
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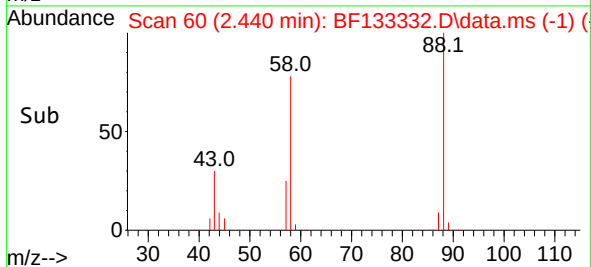
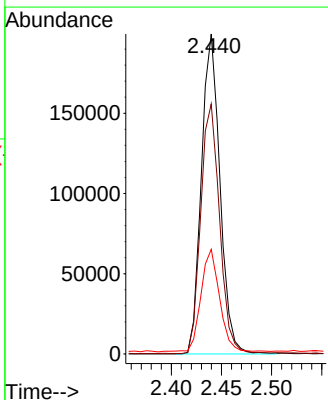
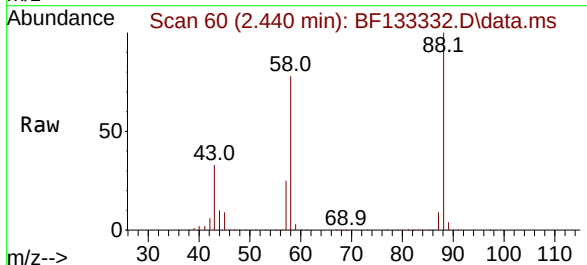
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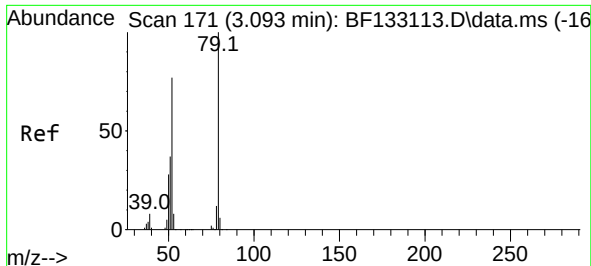
Tgt Ion:152 Resp: 205454
Ion Ratio Lower Upper
152 100
150 151.3 124.8 187.2
115 62.9 49.9 74.9



#2
1,4-Dioxane
Concen: 40.759 ng
RT: 2.440 min Scan# 60
Delta R.T. 0.071 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion: 88 Resp: 257131
Ion Ratio Lower Upper
88 100
58 78.9 64.7 97.1
43 32.3 26.2 39.2

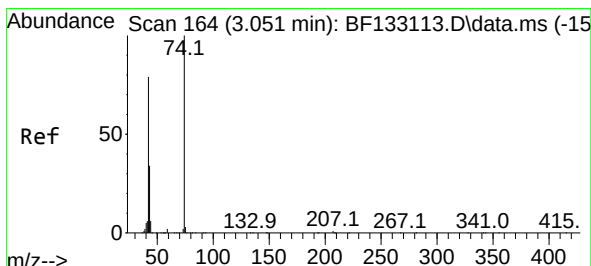
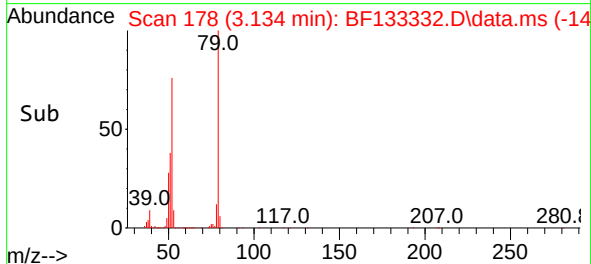
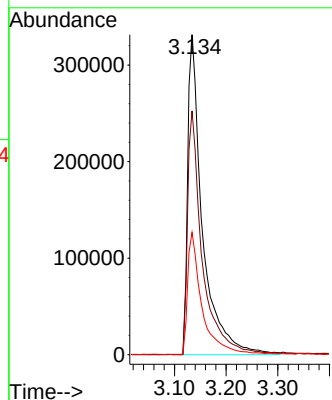
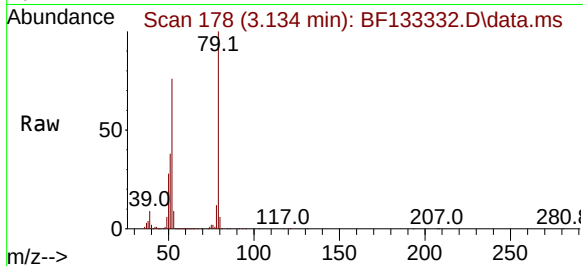




#3
Pyridine
Concen: 39.242 ng
RT: 3.134 min Scan# 171
Delta R.T. 0.071 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

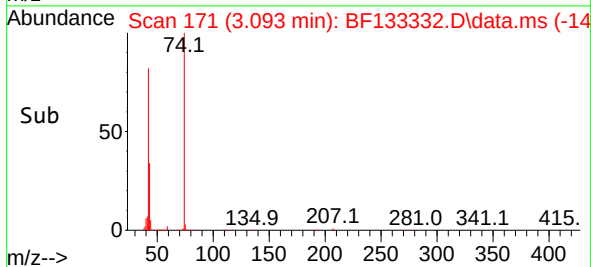
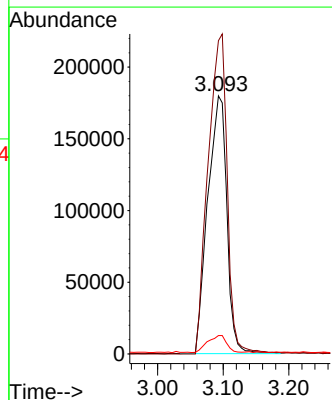
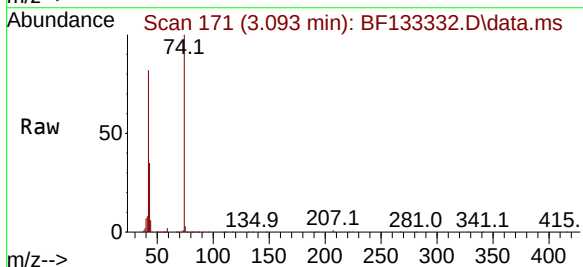
Instrument :
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ClientSampleId :
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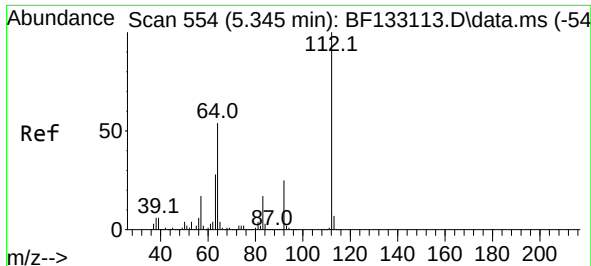
Tgt Ion: 79 Resp: 657513
Ion Ratio Lower Upper
79 100
52 76.2 64.6 96.8
51 38.2 30.0 45.0



#4
n-Nitrosodimethylamine
Concen: 41.948 ng
RT: 3.093 min Scan# 171
Delta R.T. 0.059 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion: 42 Resp: 364056
Ion Ratio Lower Upper
42 100
74 121.3 98.0 147.0
44 7.1 5.8 8.8

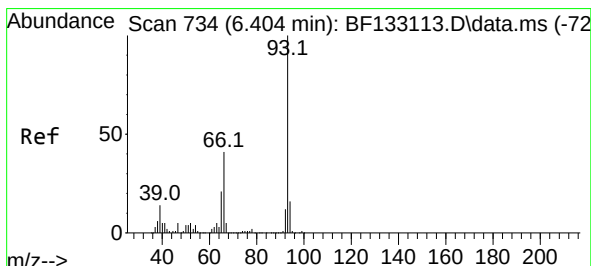
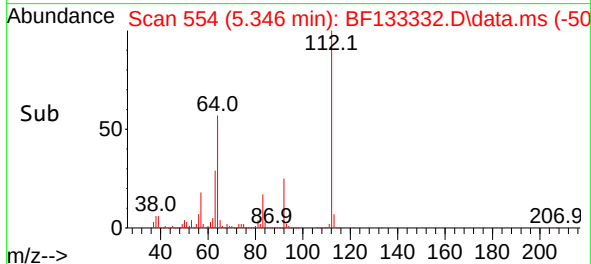
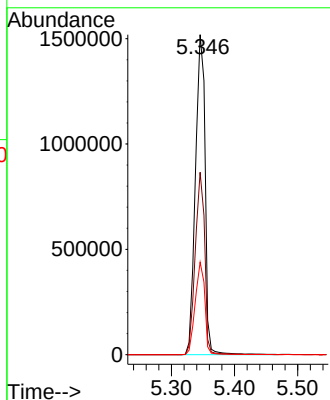
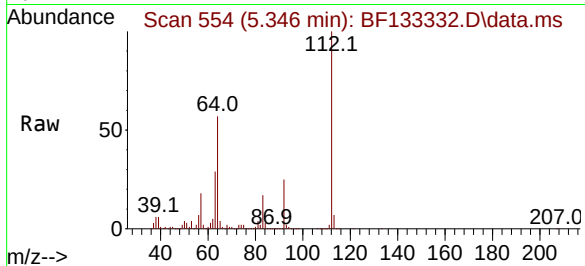




#5
2-Fluorophenol
Concen: 119.050 ng
RT: 5.346 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

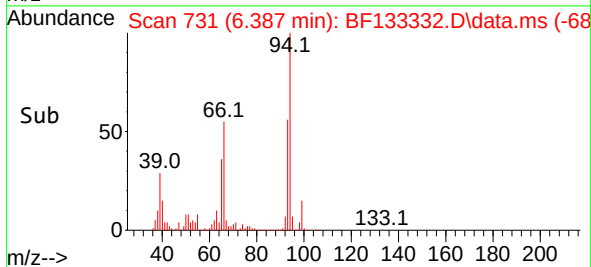
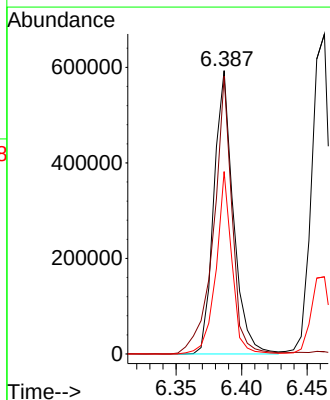
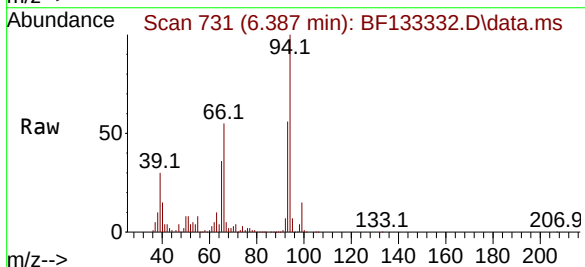
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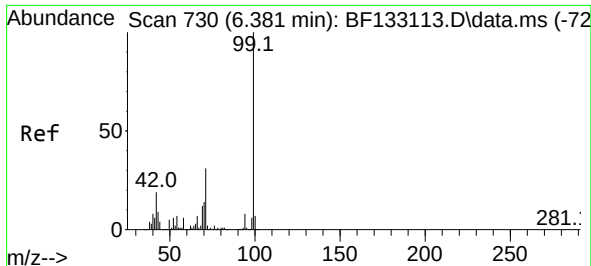
Tgt Ion:112 Resp: 1619161
Ion Ratio Lower Upper
112 100
64 57.0 46.8 70.2
63 28.9 23.8 35.8



#6
Aniline
Concen: 28.052 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion: 93 Resp: 609926
Ion Ratio Lower Upper
93 100
66 98.0 31.5 47.3#
65 64.4 16.4 24.6#

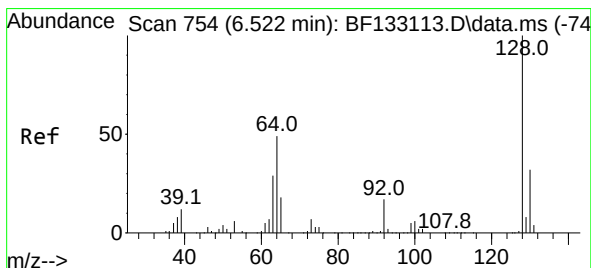
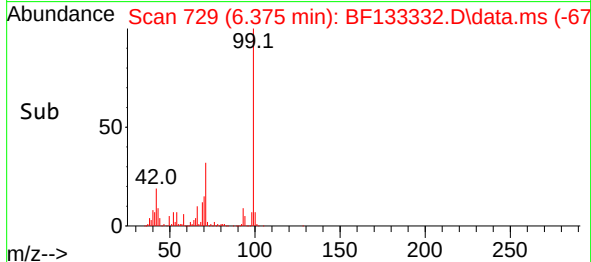
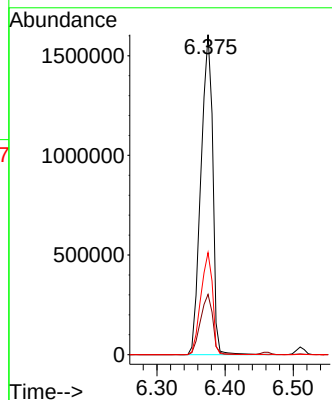
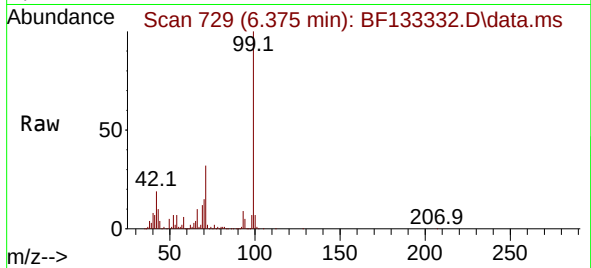




#7
Phenol-d6
Concen: 114.661 ng
RT: 6.375 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

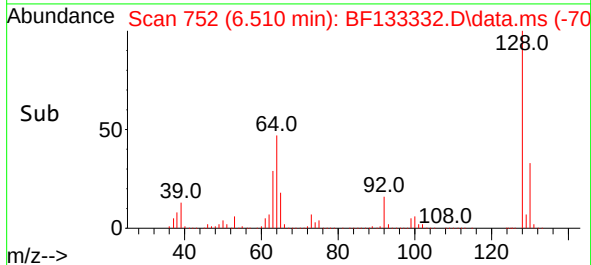
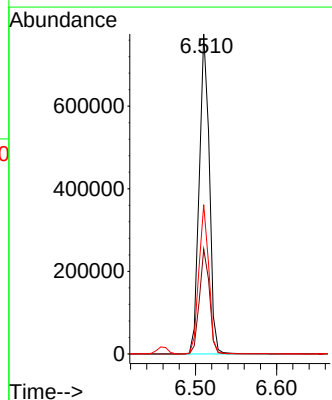
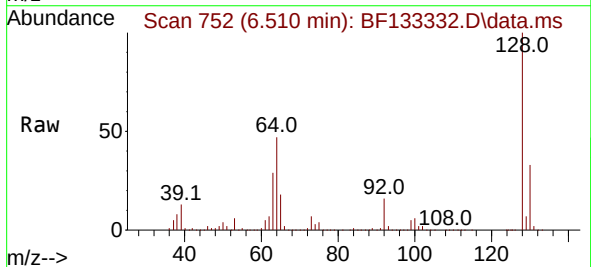
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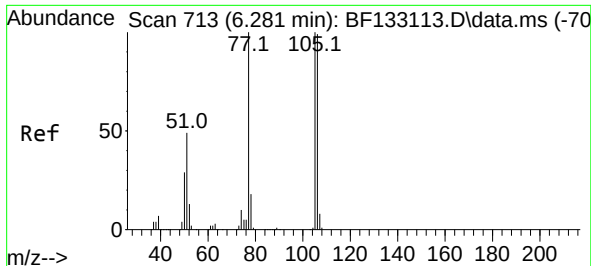
Tgt Ion: 99 Resp: 1935631
Ion Ratio Lower Upper
99 100
42 18.9 16.3 24.5
71 31.9 25.6 38.4



#8
2-Chlorophenol
Concen: 48.669 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:128 Resp: 672081
Ion Ratio Lower Upper
128 100
130 32.8 12.2 52.2
64 46.7 30.3 70.3

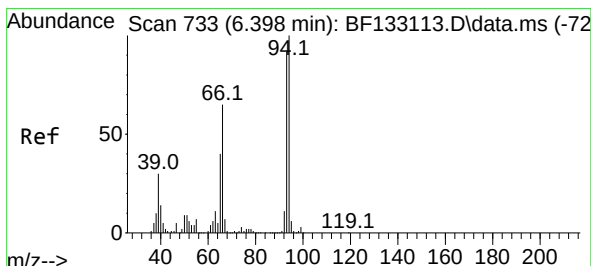
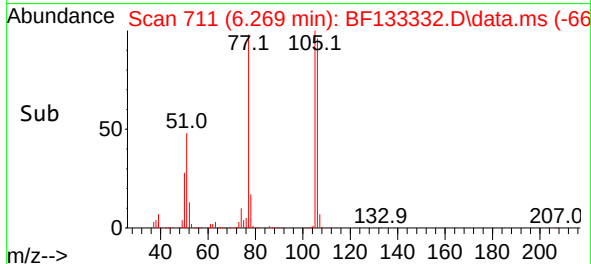
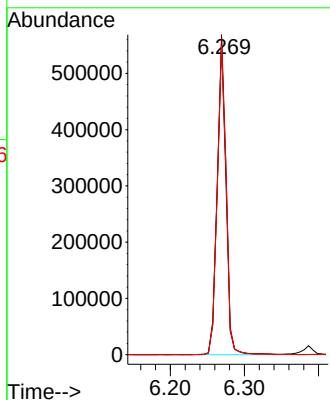
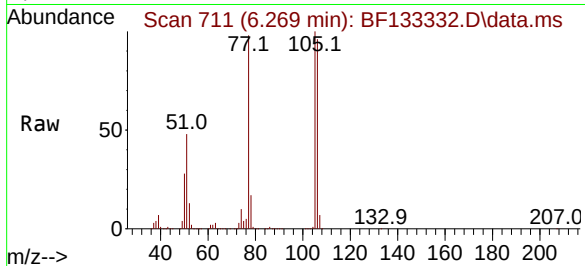




#9
Benzaldehyde
Concen: 90.881 ng
RT: 6.269 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

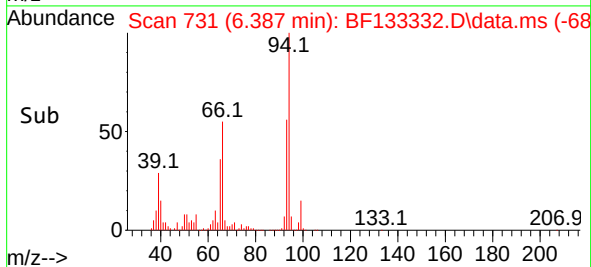
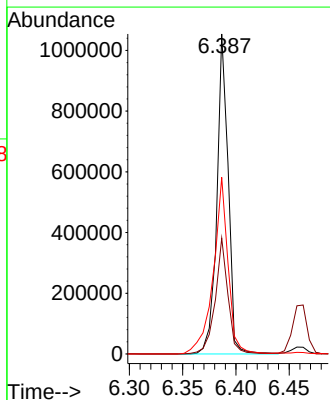
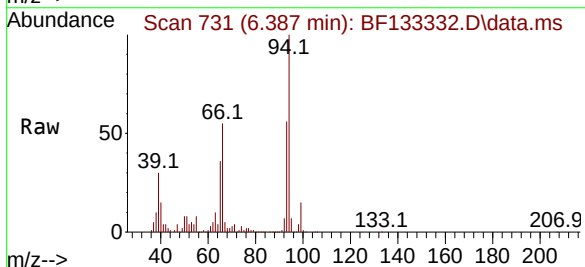
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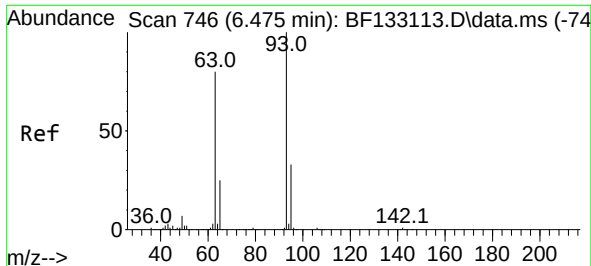
Tgt Ion: 77 Resp: 458810
Ion Ratio Lower Upper
77 100
105 101.7 82.3 122.3
106 98.0 80.8 120.8



#10
Phenol
Concen: 41.860 ng
RT: 6.387 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion: 94 Resp: 779564
Ion Ratio Lower Upper
94 100
65 36.2 8.6 48.6
66 55.2 17.3 57.3

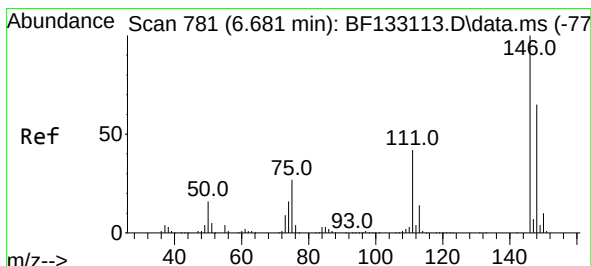
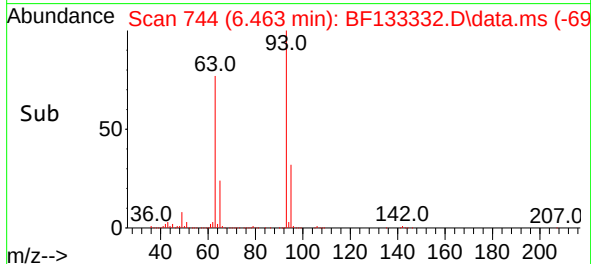
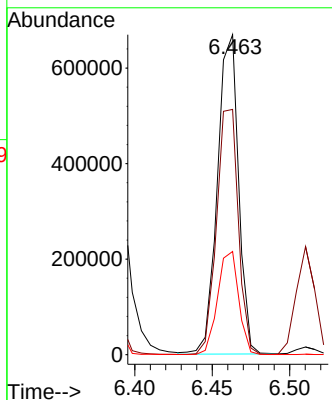
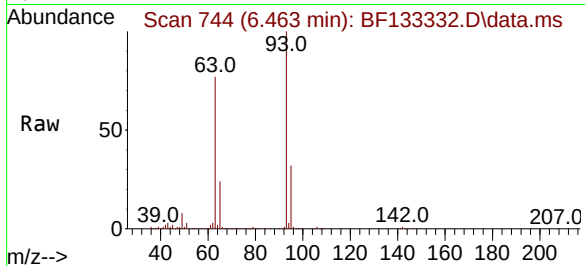




#11
bis(2-Chloroethyl)ether
Concen: 45.418 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

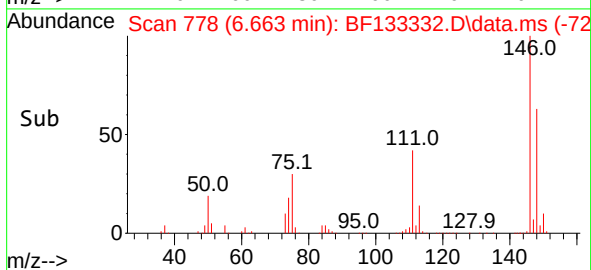
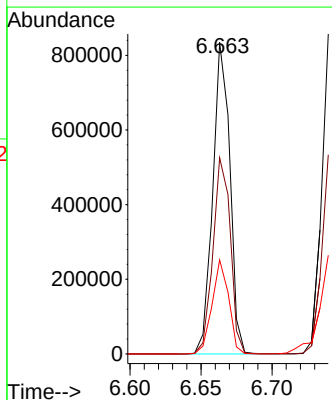
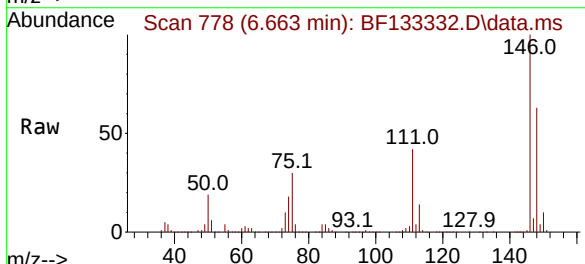
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

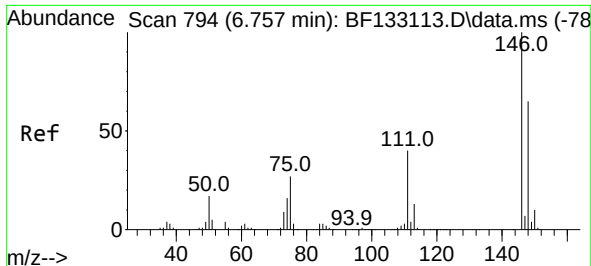
Tgt Ion: 93 Resp: 634718
Ion Ratio Lower Upper
93 100
63 76.7 60.6 100.6
95 32.2 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 47.613 ng
RT: 6.663 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion: 146 Resp: 699039
Ion Ratio Lower Upper
146 100
148 63.0 51.0 76.4
75 30.2 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 48.361 ng

RT: 6.740 min Scan# 794

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

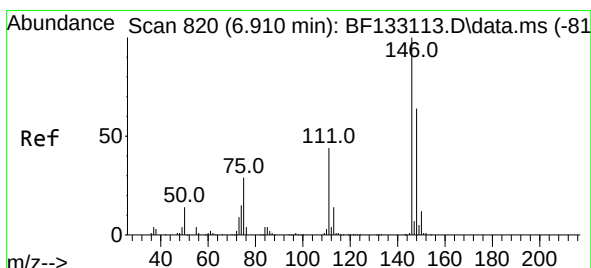
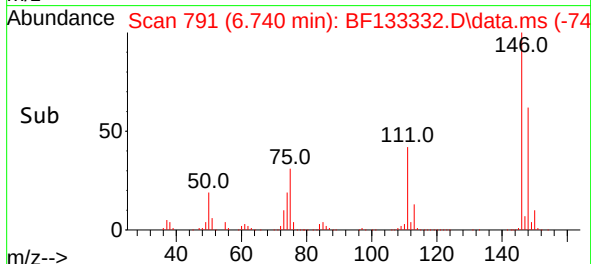
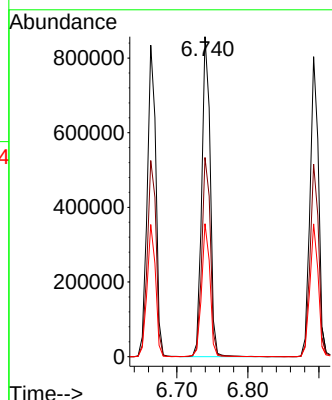
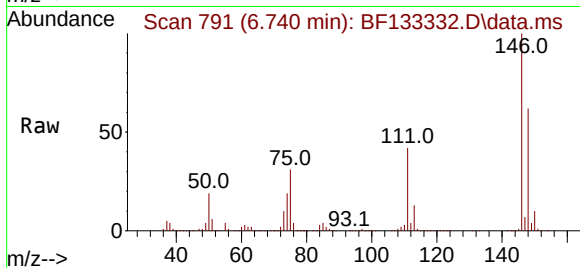
Tgt Ion:146 Resp: 711591

Ion Ratio Lower Upper

146 100

148 62.3 50.3 75.5

111 41.6 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 49.199 ng

RT: 6.893 min Scan# 817

Delta R.T. -0.006 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

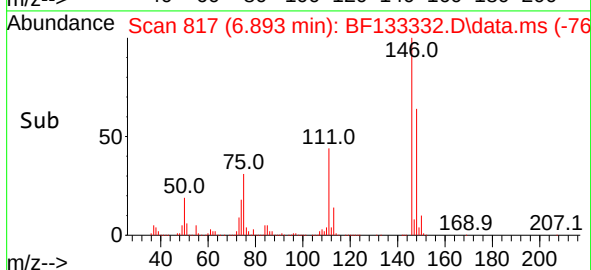
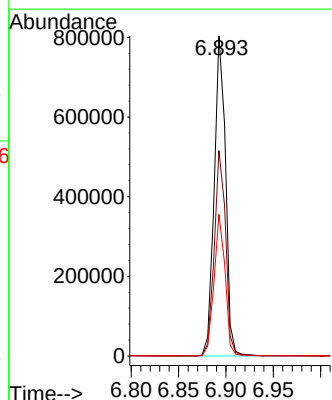
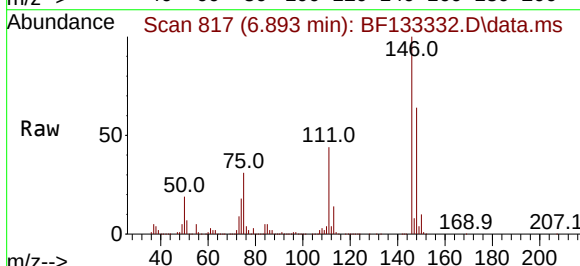
Tgt Ion:146 Resp: 667411

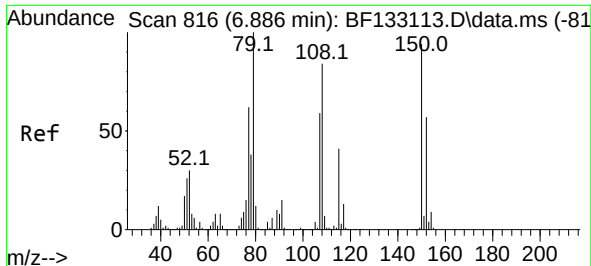
Ion Ratio Lower Upper

146 100

148 64.2 52.2 78.2

111 44.3 32.8 49.2

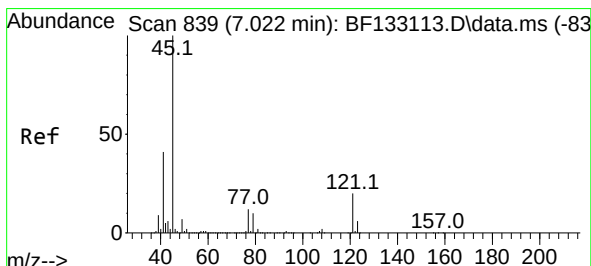
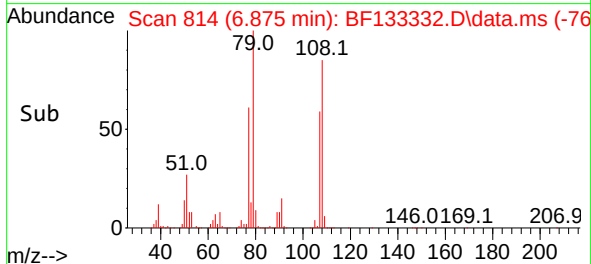
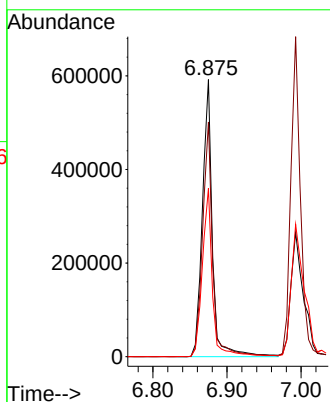
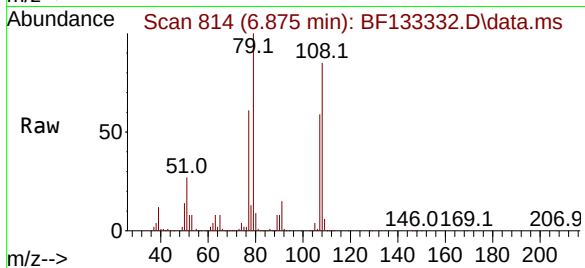




#15
Benzyl Alcohol
Concen: 47.808 ng
RT: 6.875 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

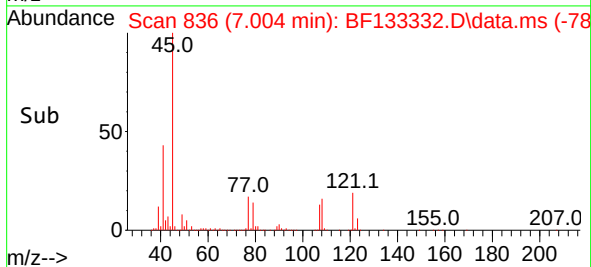
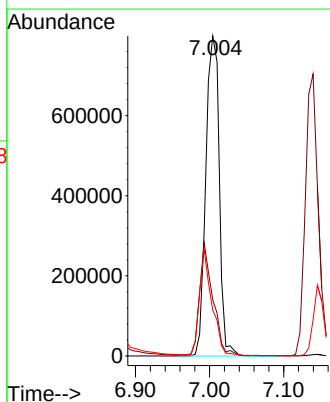
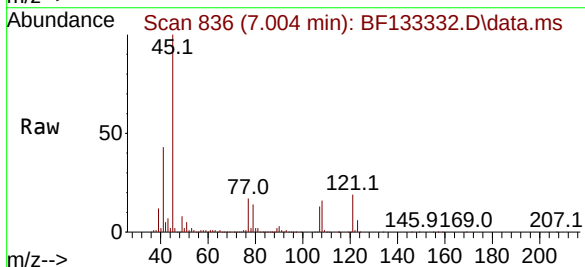
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

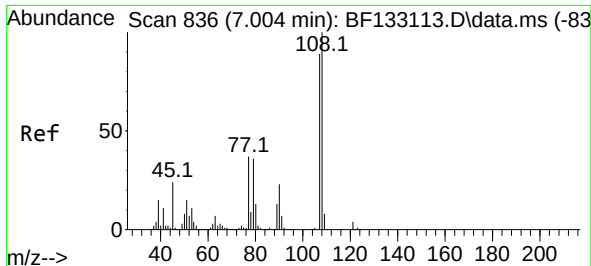
Tgt Ion: 79 Resp: 557493
Ion Ratio Lower Upper
79 100
108 84.7 66.6 99.8
77 60.8 49.2 73.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.410 ng
RT: 7.004 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

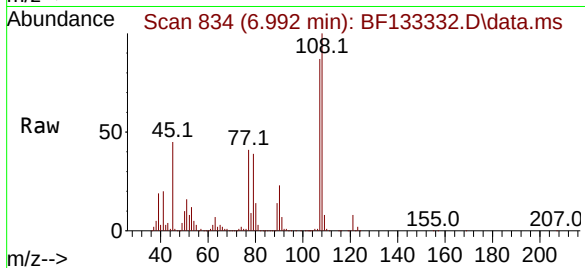
Tgt Ion: 45 Resp: 1005132
Ion Ratio Lower Upper
45 100
77 17.5 0.0 31.5
79 14.3 0.0 28.7



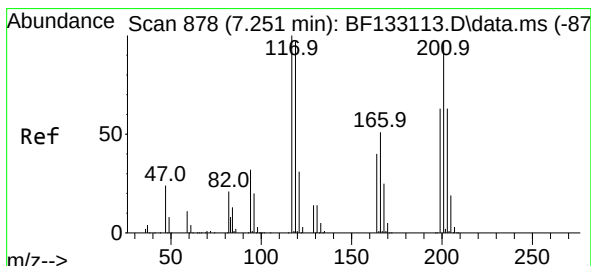
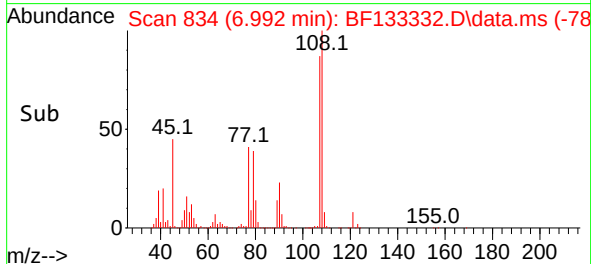
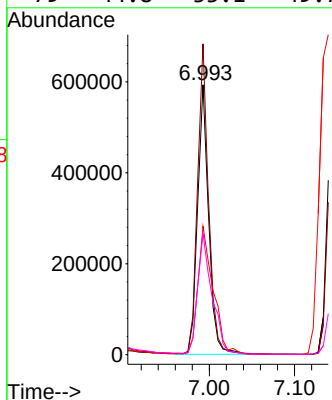


#17
2-Methylphenol
Concen: 42.667 ng
RT: 6.992 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

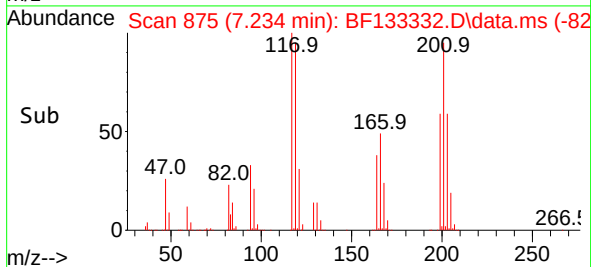
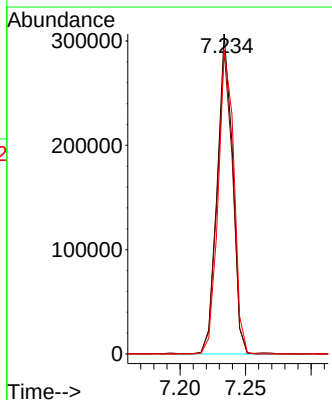
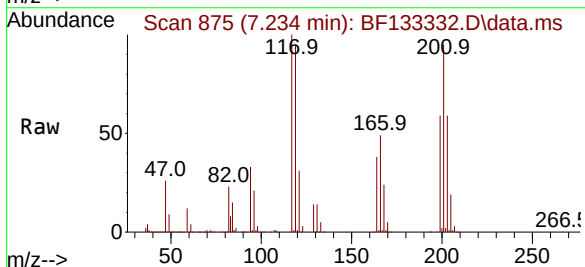


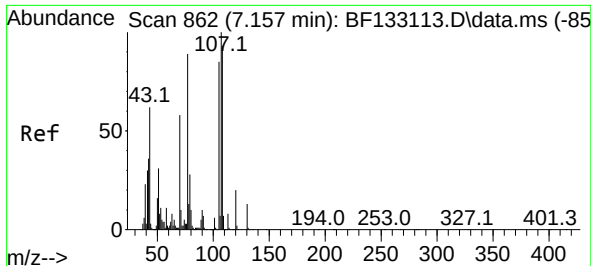
Tgt Ion:	107	Resp:	539517
Ion	Ratio	Lower	Upper
107	100		
108	115.2	92.4	138.6
77	47.6	33.8	50.8
79	44.8	33.1	49.7



#18
Hexachloroethane
Concen: 48.719 ng
RT: 7.234 min Scan# 875
Delta R.T. -0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:	117	Resp:	249233
Ion	Ratio	Lower	Upper
117	100		
119	94.7	78.2	117.4
201	95.1	81.7	122.5

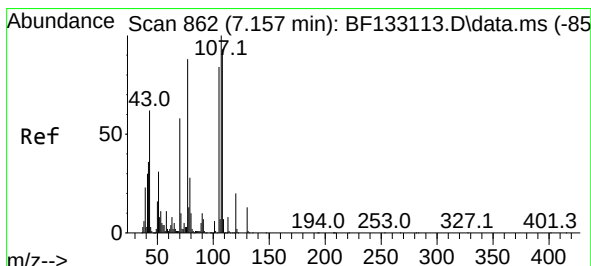
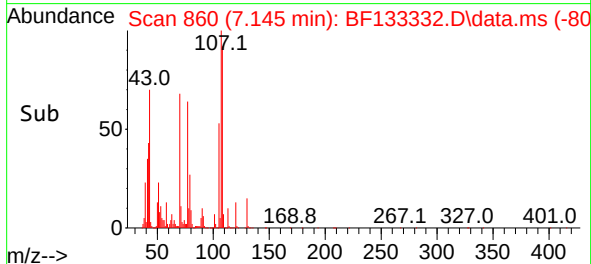
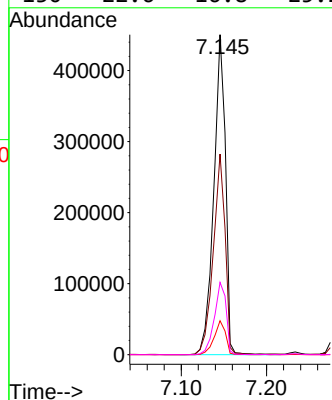
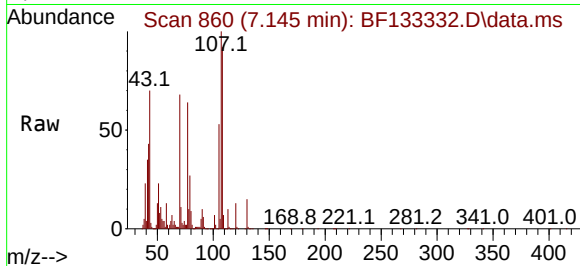




#19
n-Nitroso-di-n-propylamine
Concen: 40.923 ng
RT: 7.145 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

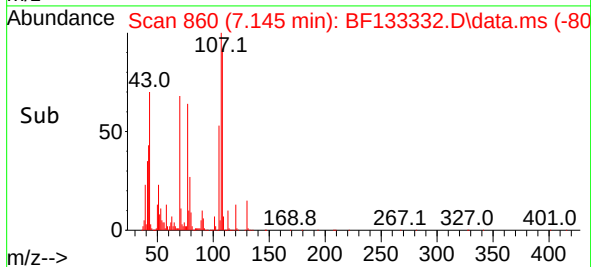
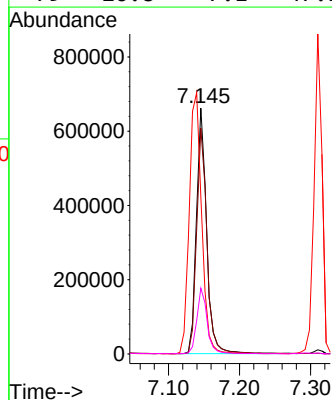
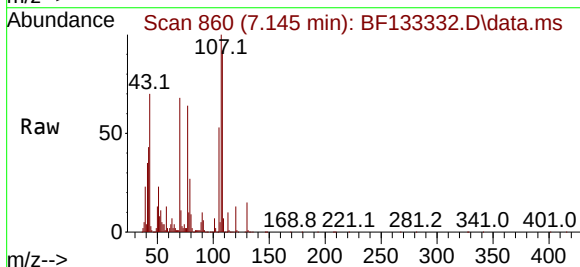
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

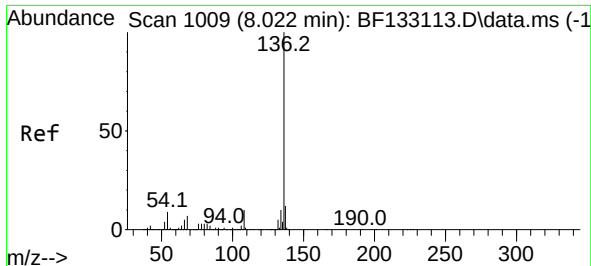
Tgt Ion: 70 Resp: 430084
Ion Ratio Lower Upper
70 100
42 62.7 51.8 77.6
101 10.6 8.0 12.0
130 22.6 16.8 25.2



#20
3+4-Methylphenols
Concen: 44.516 ng
RT: 7.145 min Scan# 860
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion: 107 Resp: 662901
Ion Ratio Lower Upper
107 100
108 91.9 70.5 110.5
77 63.9 91.7 131.7#
79 26.8 7.1 47.1

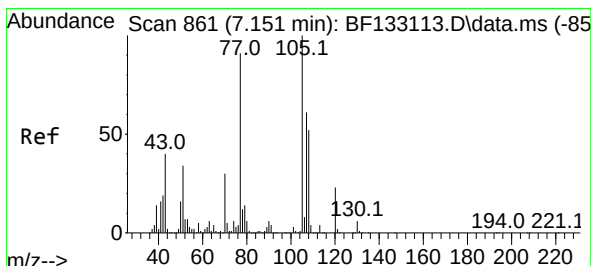
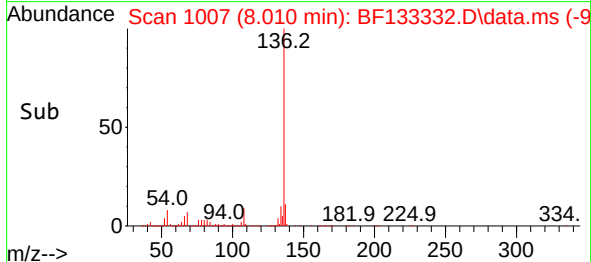
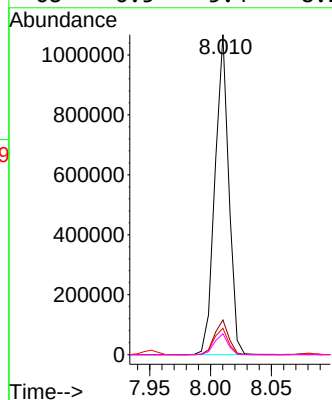
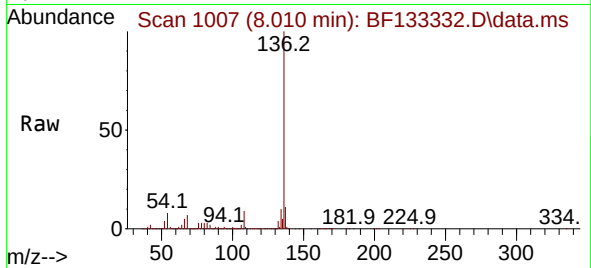




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

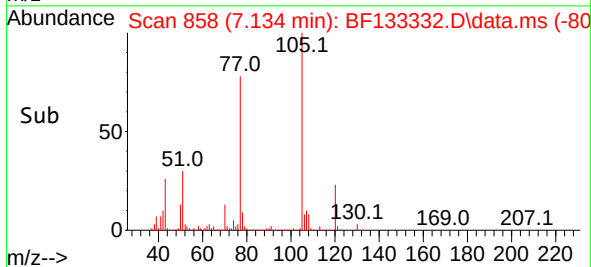
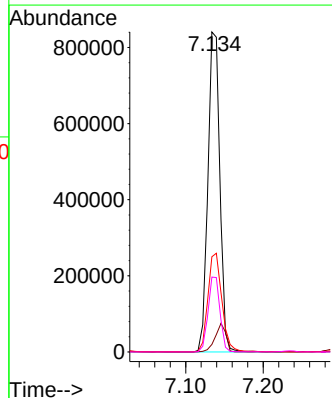
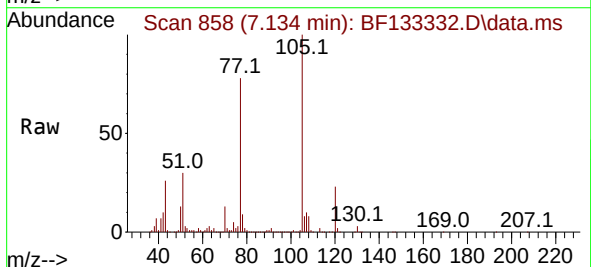
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

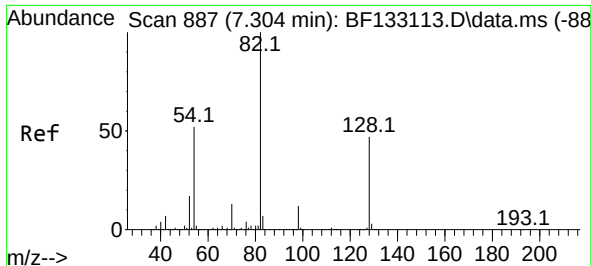
Tgt Ion:136 Resp: 842513
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.0 10.4
68 6.5 5.4 8.2



#22
Acetophenone
Concen: 46.211 ng
RT: 7.134 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:105 Resp: 901870
Ion Ratio Lower Upper
105 100
71 2.3 4.6 7.0#
51 29.8 28.2 42.2
120 23.4 18.4 27.6





#23

Nitrobenzene-d5

Concen: 79.056 ng

RT: 7.292 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

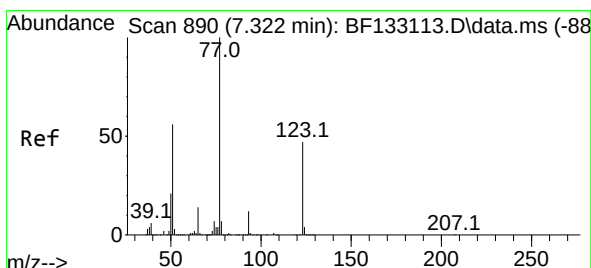
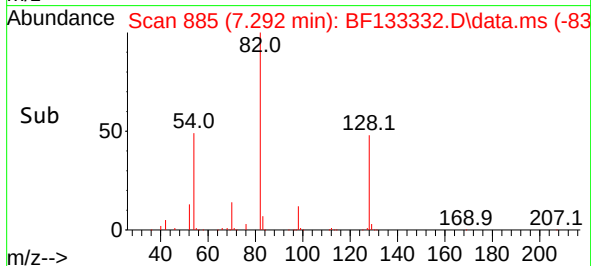
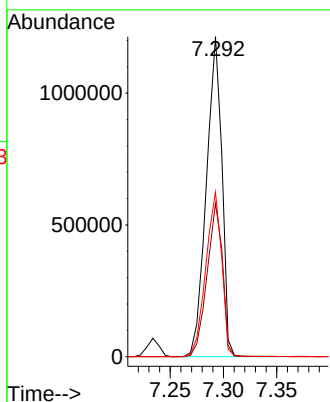
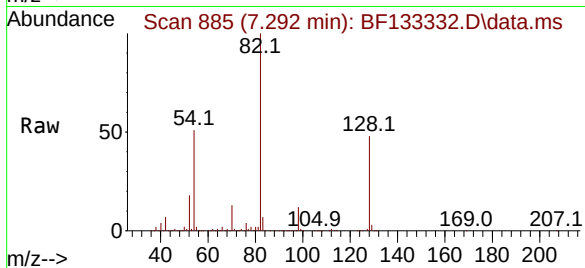
Tgt Ion: 82 Resp: 1233968

Ion Ratio Lower Upper

82 100

128 47.9 37.7 56.5

54 51.4 43.0 64.4



#24

Nitrobenzene

Concen: 42.614 ng

RT: 7.310 min Scan# 888

Delta R.T. -0.006 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

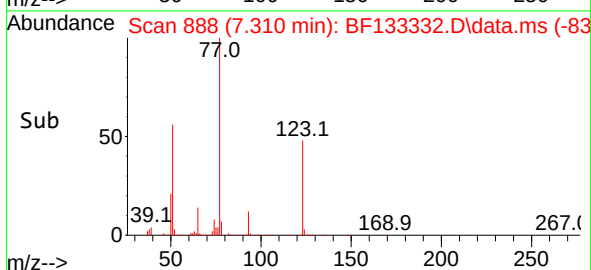
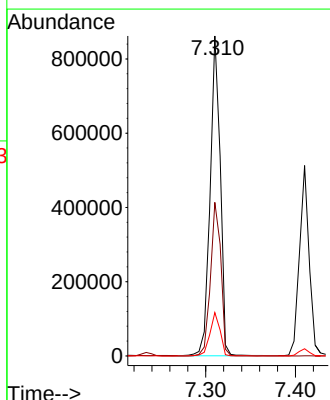
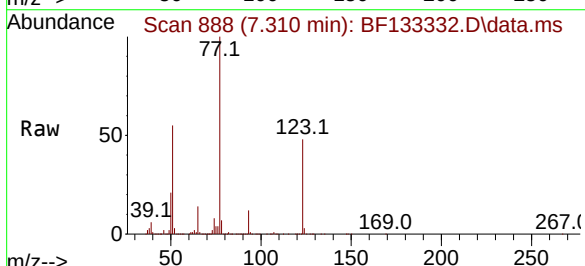
Tgt Ion: 77 Resp: 674021

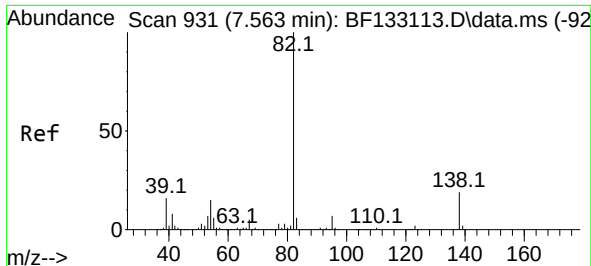
Ion Ratio Lower Upper

77 100

123 48.0 39.9 59.9

65 13.6 10.7 16.1

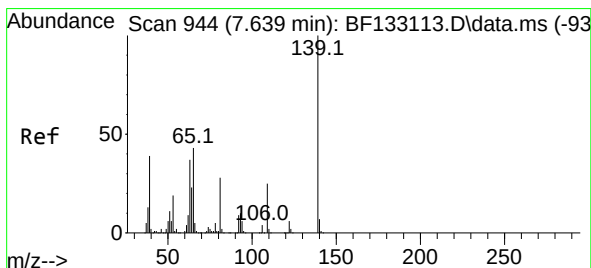
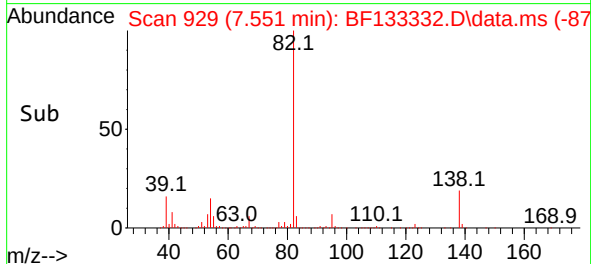
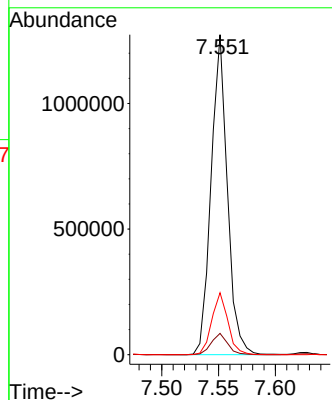
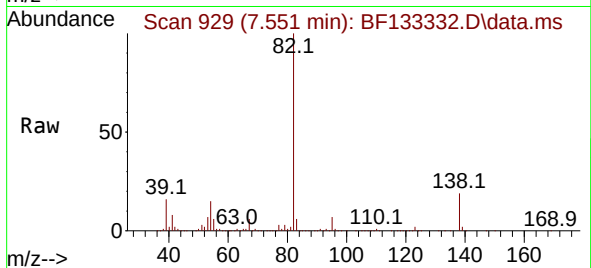




#25
Isophorone
Concen: 42.636 ng
RT: 7.551 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

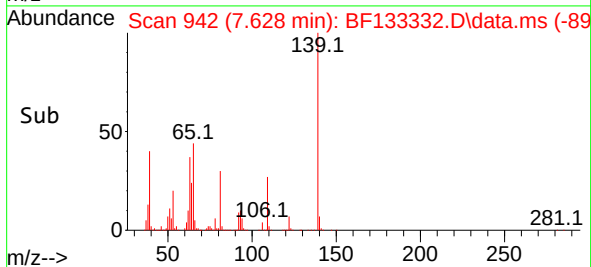
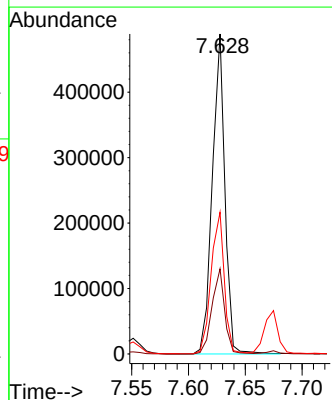
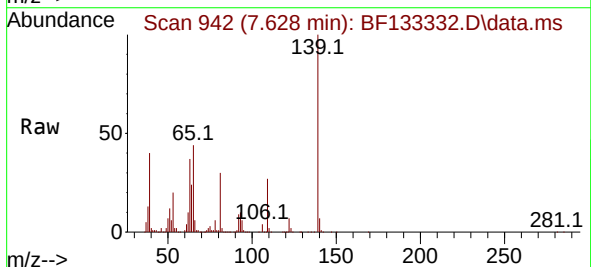
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

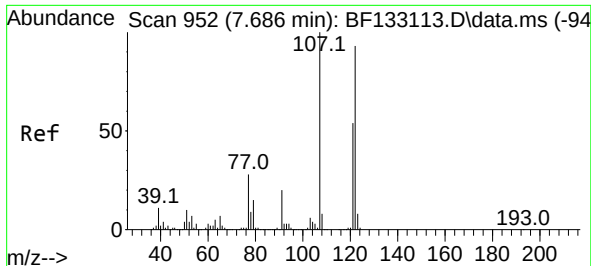
Tgt Ion: 82 Resp: 1263546
Ion Ratio Lower Upper
82 100
95 6.6 5.4 8.0
138 19.3 16.0 24.0



#26
2-Nitrophenol
Concen: 49.188 ng
RT: 7.628 min Scan# 942
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion: 139 Resp: 375252
Ion Ratio Lower Upper
139 100
109 26.6 21.6 32.4
65 44.3 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 45.943 ng

RT: 7.675 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF133332.D

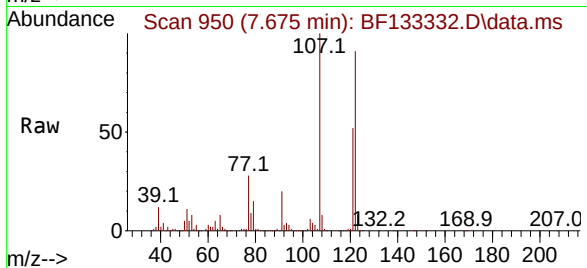
Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD



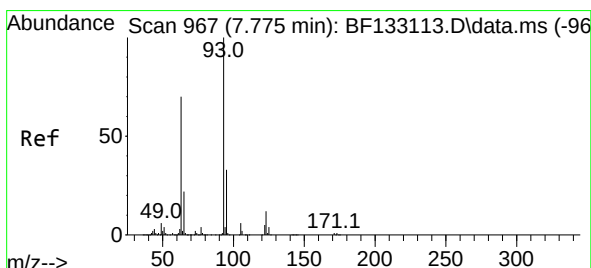
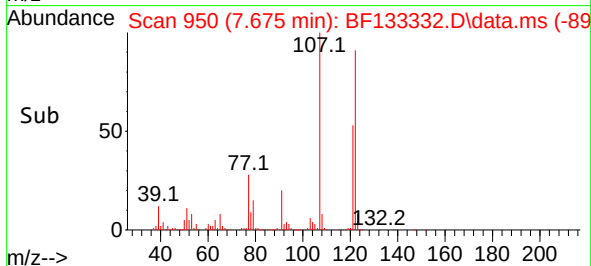
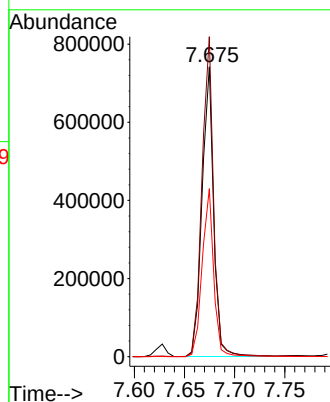
Tgt Ion:122 Resp: 600997

Ion Ratio Lower Upper

122 100

107 110.3 89.7 134.5

121 57.9 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 43.543 ng

RT: 7.763 min Scan# 965

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

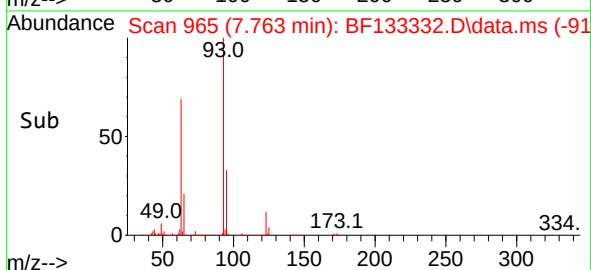
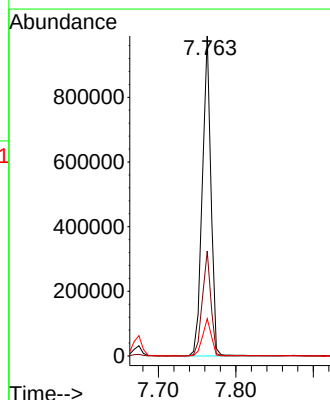
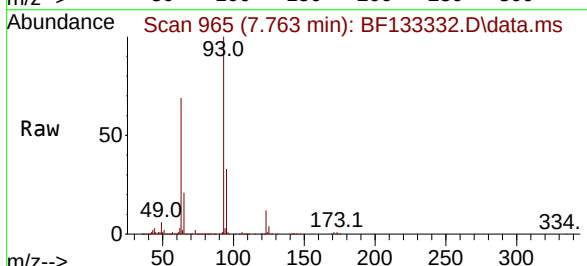
Tgt Ion: 93 Resp: 763399

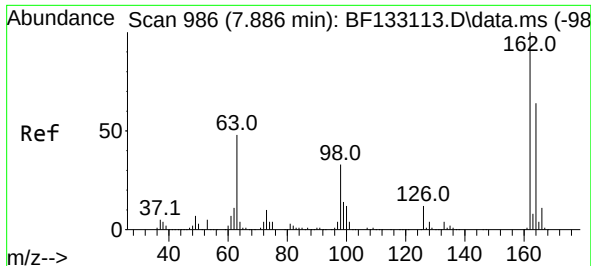
Ion Ratio Lower Upper

93 100

95 32.8 26.4 39.6

123 11.7 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 46.378 ng

RT: 7.875 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

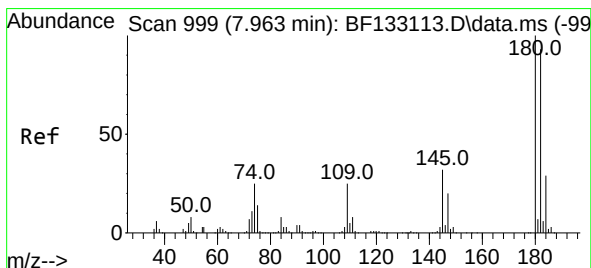
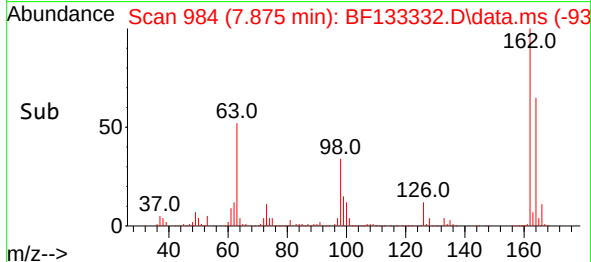
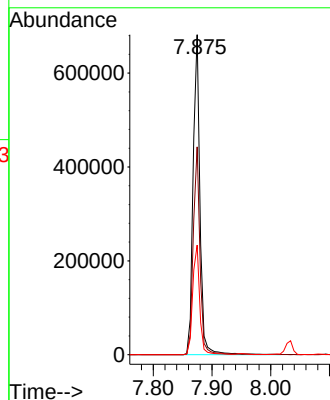
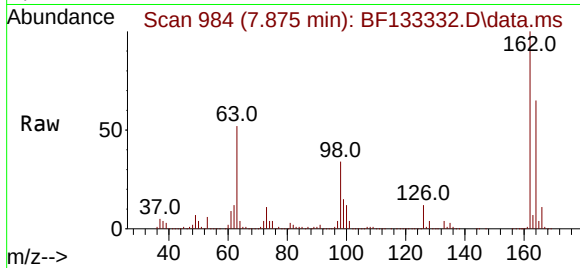
Tgt Ion:162 Resp: 552300

Ion Ratio Lower Upper

162 100

164 64.9 43.9 83.9

98 34.2 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 45.980 ng

RT: 7.951 min Scan# 997

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

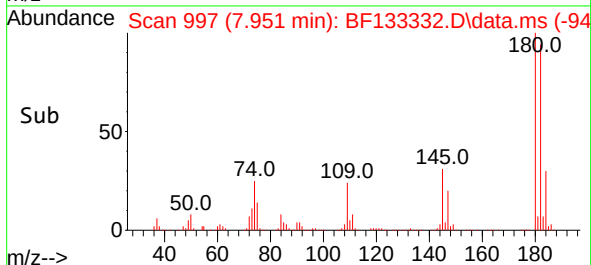
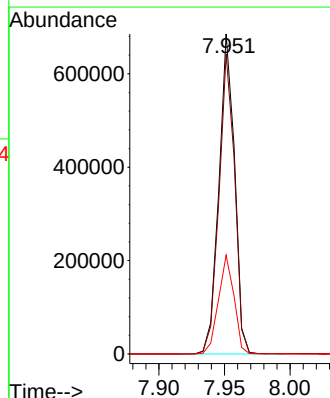
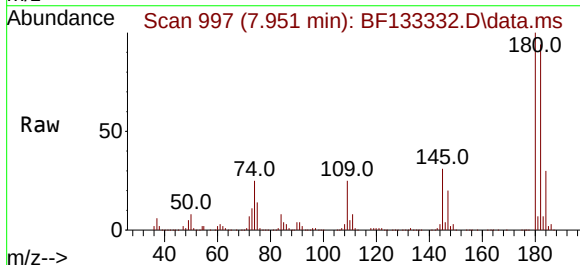
Tgt Ion:180 Resp: 567267

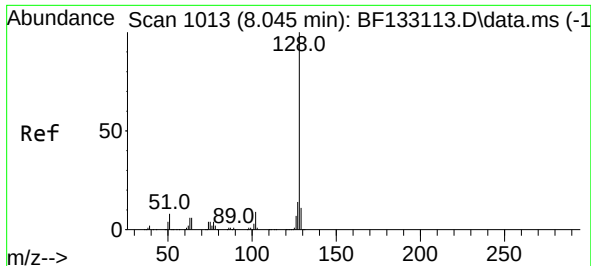
Ion Ratio Lower Upper

180 100

182 93.7 75.9 113.9

145 30.9 25.3 37.9

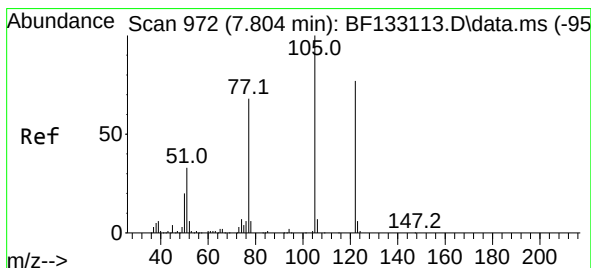
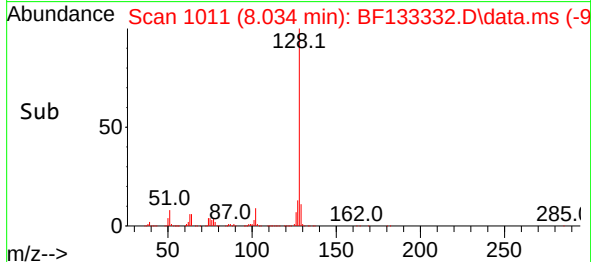
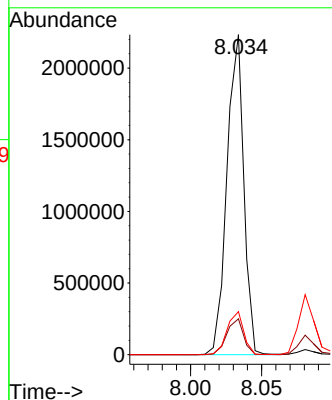
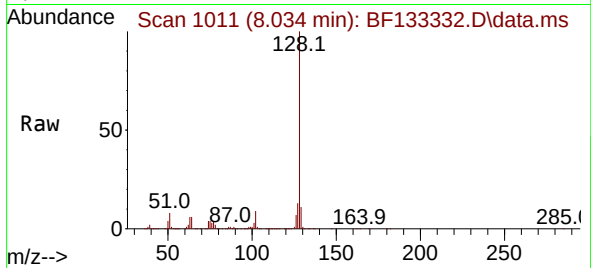




#31
Naphthalene
Concen: 43.653 ng
RT: 8.034 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

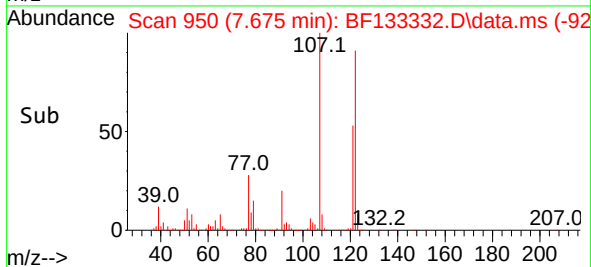
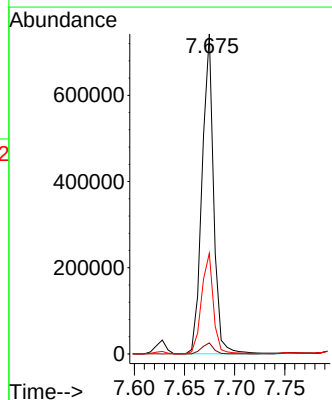
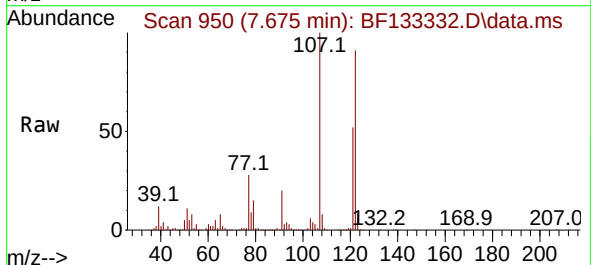
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

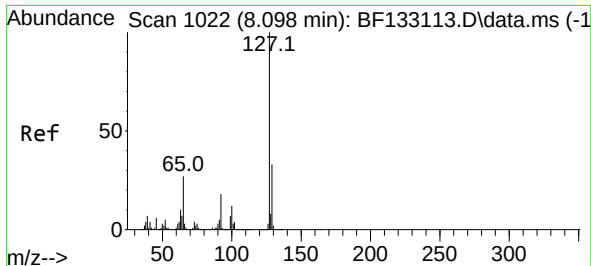
Tgt Ion:128 Resp: 1838796
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 74.378 ng
RT: 7.675 min Scan# 950
Delta R.T. -0.129 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

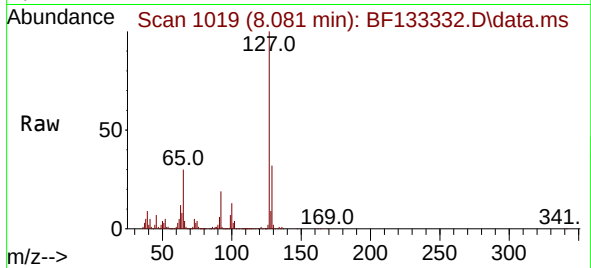
Tgt Ion:122 Resp: 600997
Ion Ratio Lower Upper
122 100
105 3.4 104.2 144.2#
77 31.4 69.7 109.7#



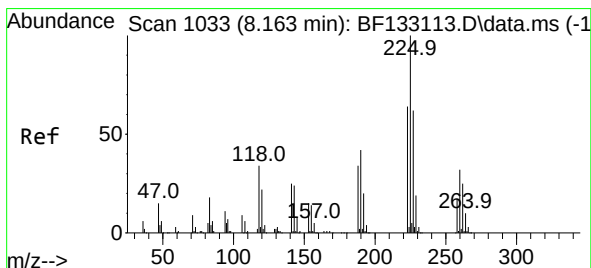
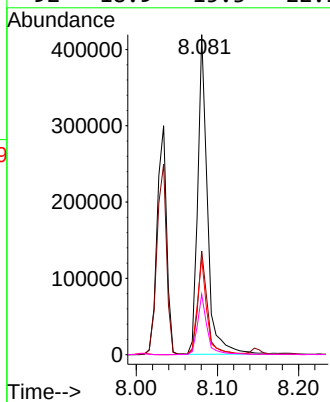
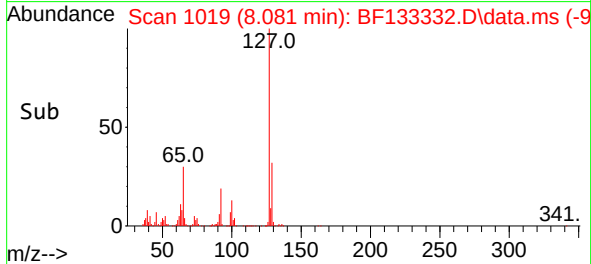


#33
4-Chloroaniline
Concen: 20.566 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

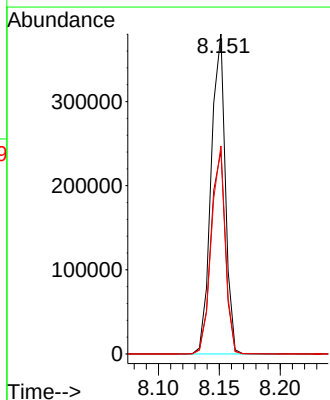
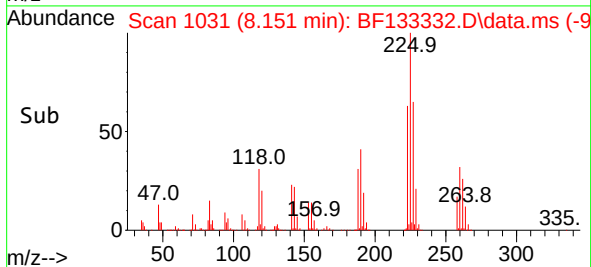
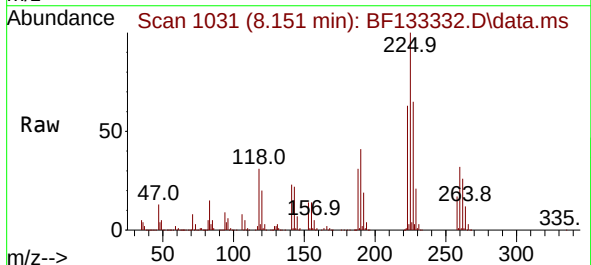


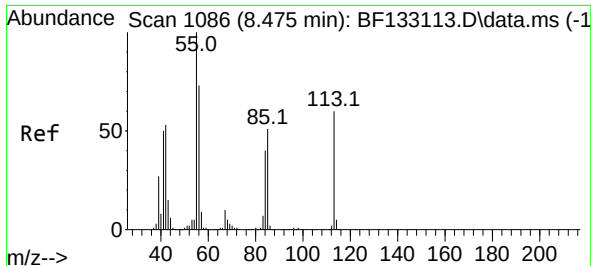
Tgt Ion:	127	Resp:	350018
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.8
65	30.2	23.6	35.4
92	18.9	15.3	22.9



#34
Hexachlorobutadiene
Concen: 44.919 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:	225	Resp:	307151
Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.9	76.3
227	65.0	50.3	75.5

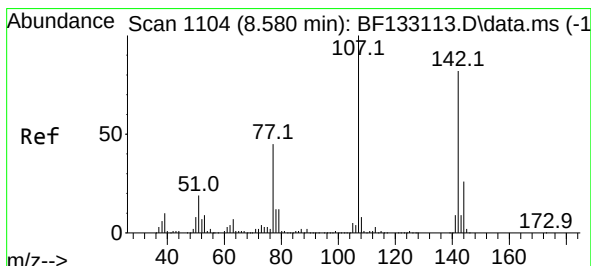
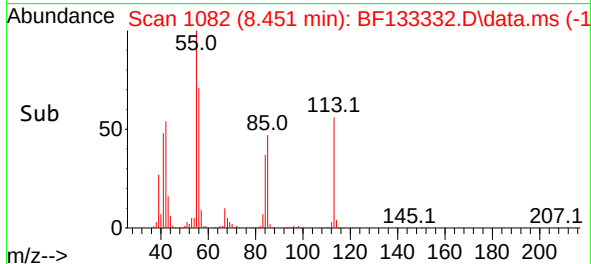
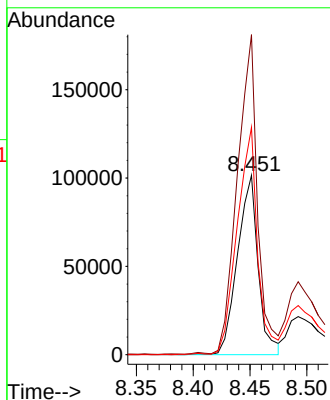
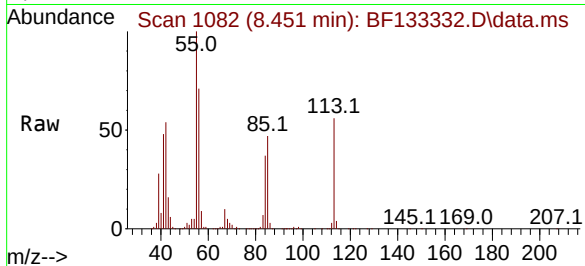




#35
 Caprolactam
 Concen: 32.182 ng
 RT: 8.451 min Scan# 1103
 Delta R.T. -0.012 min
 Lab File: BF133332.D
 Acq: 10 May 2023 15:56

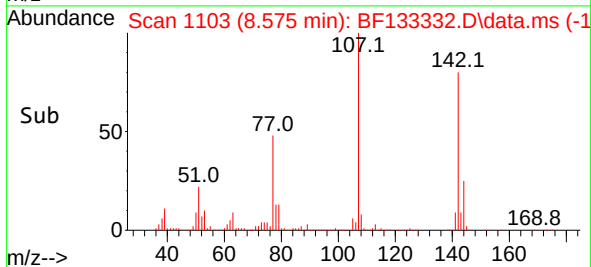
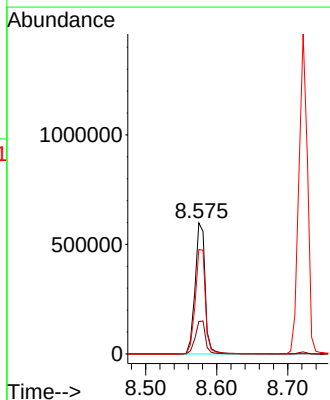
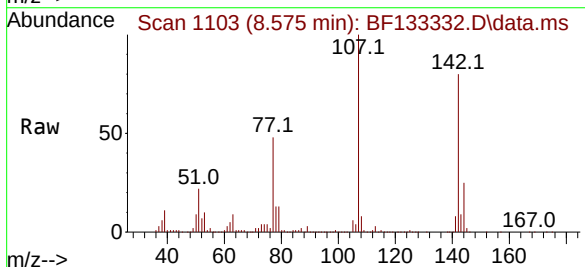
Instrument :
 BNA_F
 ClientSampleId :
 SB-04_0-2_20230509MSD

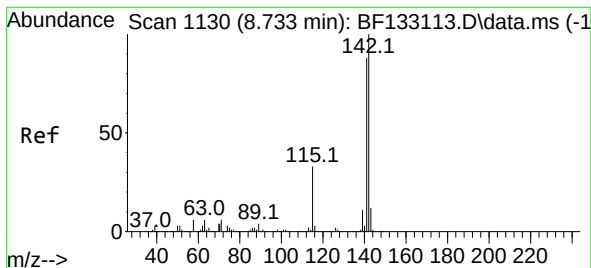
Tgt Ion:113 Resp: 128747
 Ion Ratio Lower Upper
 113 100
 55 178.4 167.1 207.1
 56 126.8 114.5 154.5



#36
 4-Chloro-3-methylphenol
 Concen: 45.872 ng
 RT: 8.575 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: BF133332.D
 Acq: 10 May 2023 15:56

Tgt Ion:107 Resp: 589085
 Ion Ratio Lower Upper
 107 100
 144 24.8 20.6 30.8
 142 79.5 62.8 94.2





#37

2-Methylnaphthalene

Concen: 42.543 ng

RT: 8.722 min Scan# 1128

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

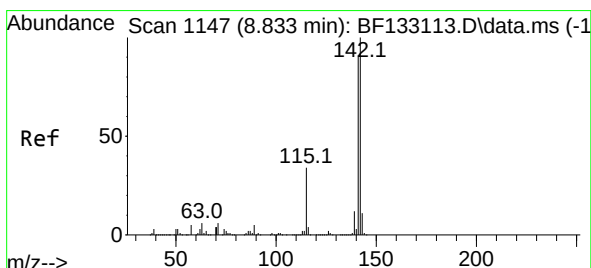
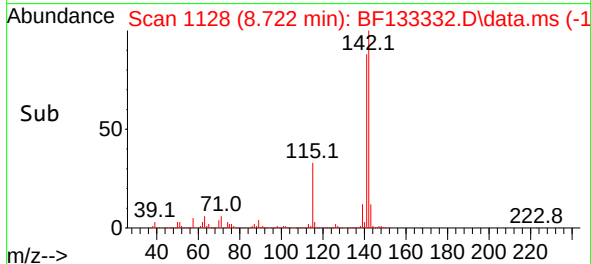
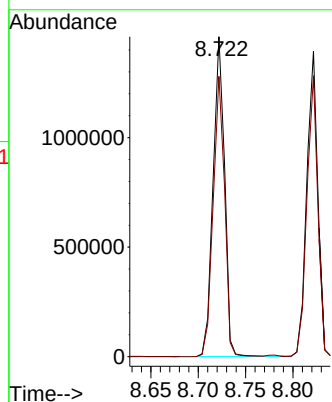
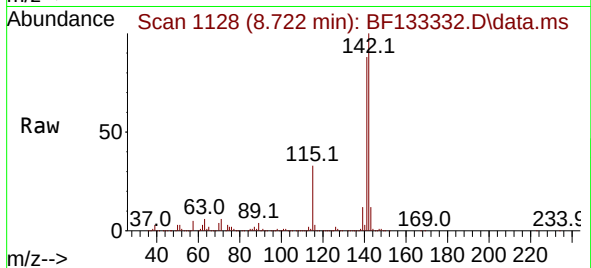
SB-04_0-2_20230509MSD

Tgt Ion:142 Resp: 1225180

Ion Ratio Lower Upper

142 100

141 87.6 69.4 104.0



#38

1-Methylnaphthalene

Concen: 42.292 ng

RT: 8.822 min Scan# 1145

Delta R.T. 0.000 min

Lab File: BF133332.D

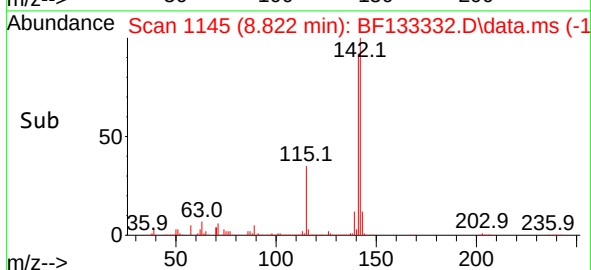
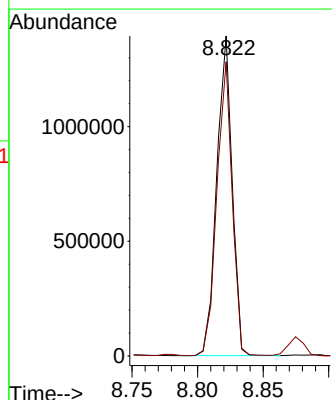
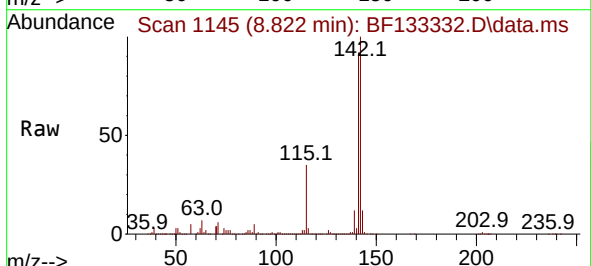
Acq: 10 May 2023 15:56

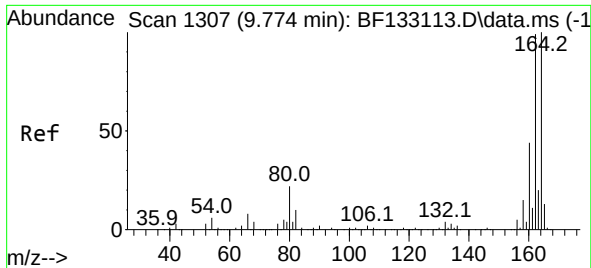
Tgt Ion:142 Resp: 1139369

Ion Ratio Lower Upper

142 100

141 91.9 73.1 109.7

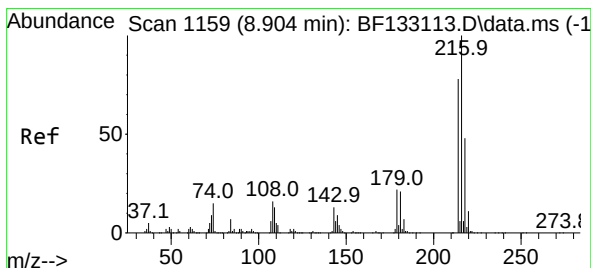
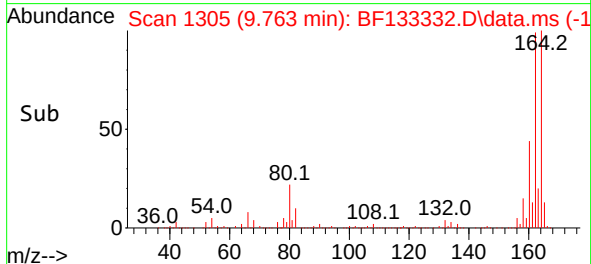
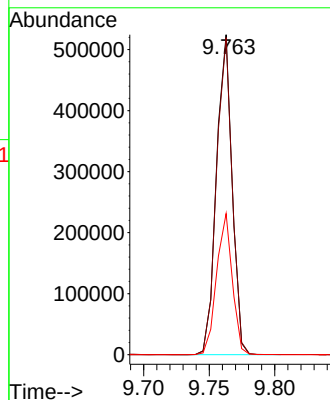
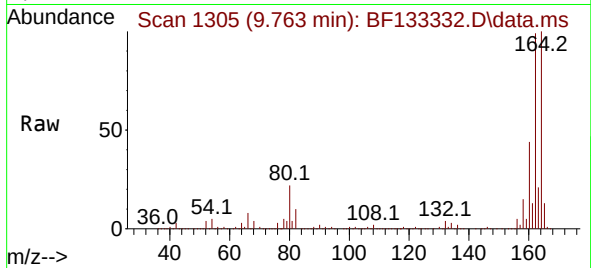




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1105
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

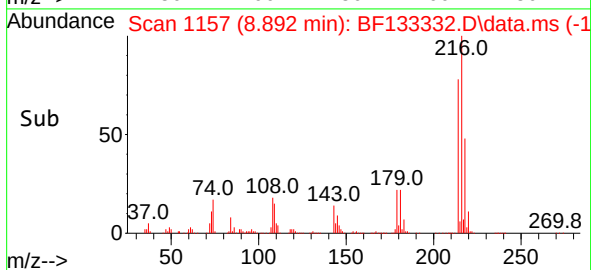
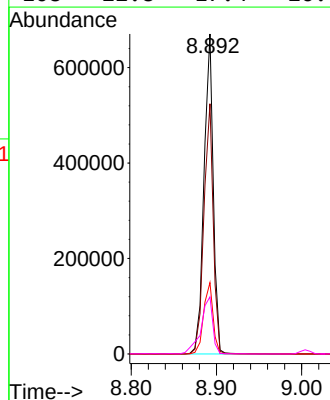
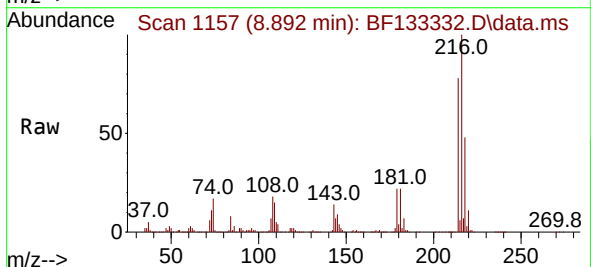
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

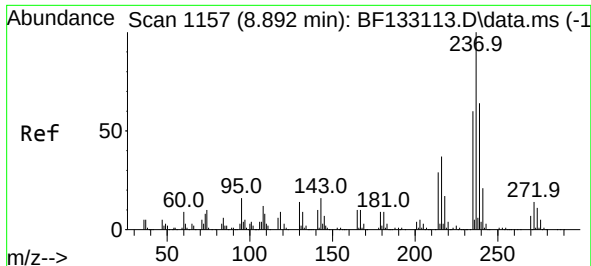
Tgt Ion:164 Resp: 434600
Ion Ratio Lower Upper
164 100
162 99.1 78.7 118.1
160 44.1 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.169 ng
RT: 8.892 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:216 Resp: 504437
Ion Ratio Lower Upper
216 100
214 79.1 63.5 95.3
179 22.8 17.4 26.2
108 22.8 17.4 26.0

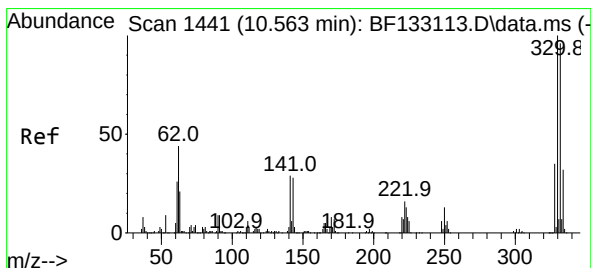
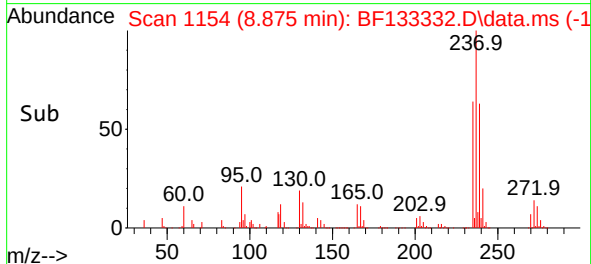
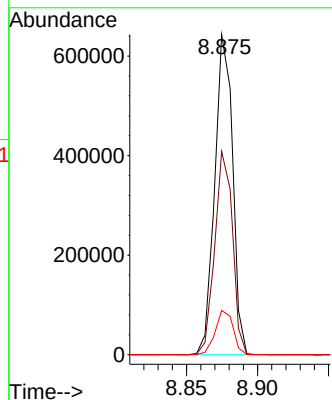
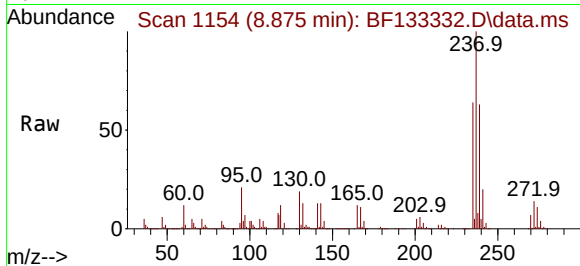




#41
Hexachlorocyclopentadiene
Concen: 82.564 ng
RT: 8.875 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

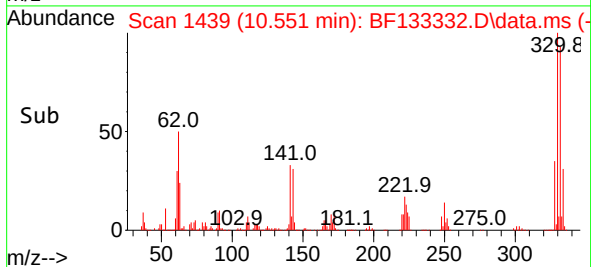
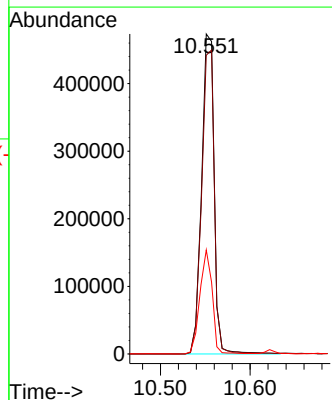
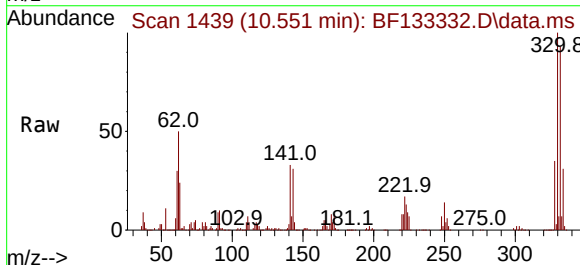
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

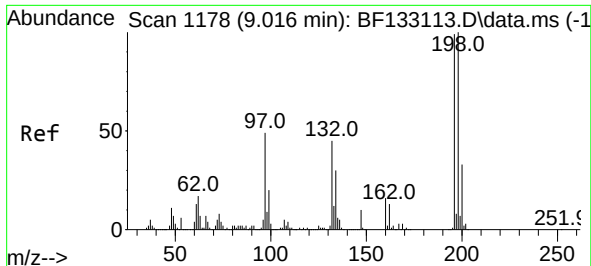
Tgt Ion:237 Resp: 562657
Ion Ratio Lower Upper
237 100
235 63.6 43.5 83.5
272 13.8 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 105.286 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:330 Resp: 460177
Ion Ratio Lower Upper
330 100
332 95.7 77.1 115.7
141 31.8 25.8 38.8





#43

2,4,6-Trichlorophenol

Concen: 44.411 ng

RT: 9.004 min Scan# 1176

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

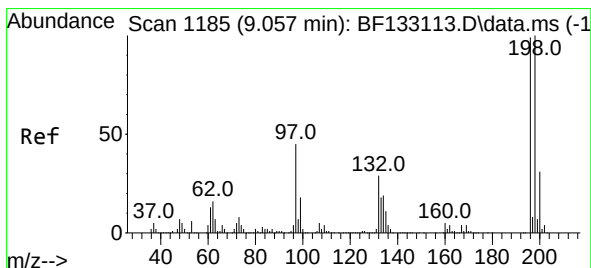
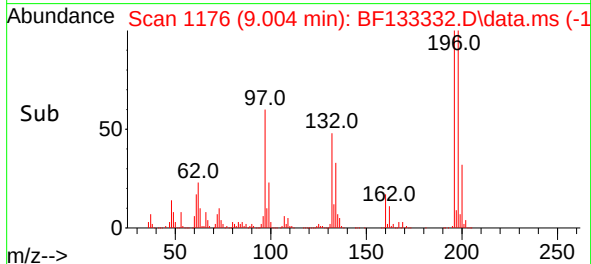
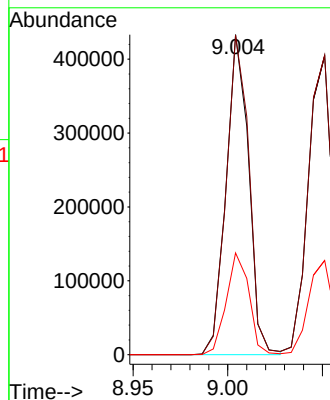
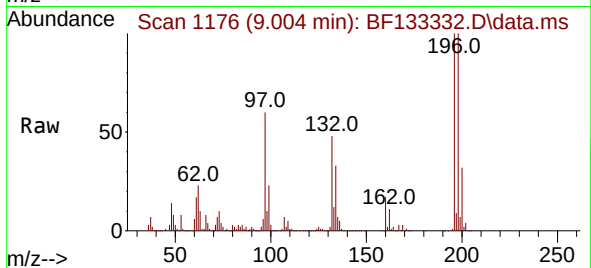
Tgt Ion:196 Resp: 358893

Ion Ratio Lower Upper

196 100

198 99.9 81.0 121.6

200 31.8 26.1 39.1



#44

2,4,5-Trichlorophenol

Concen: 40.848 ng

RT: 9.051 min Scan# 1184

Delta R.T. 0.006 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Tgt Ion:196 Resp: 381763

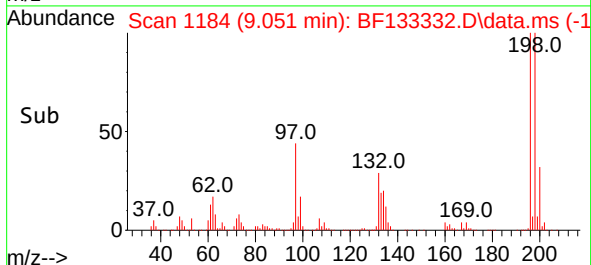
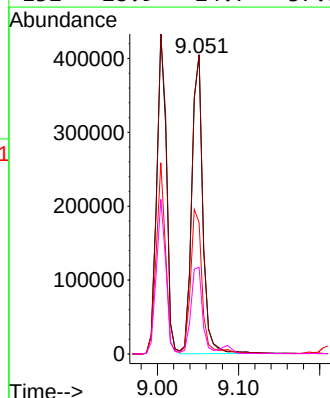
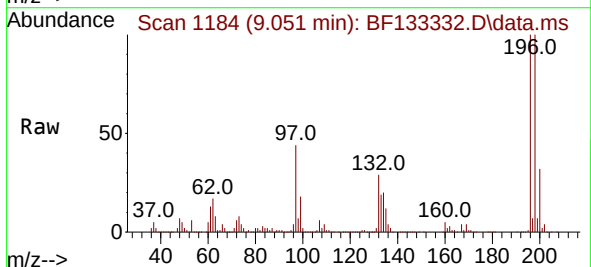
Ion Ratio Lower Upper

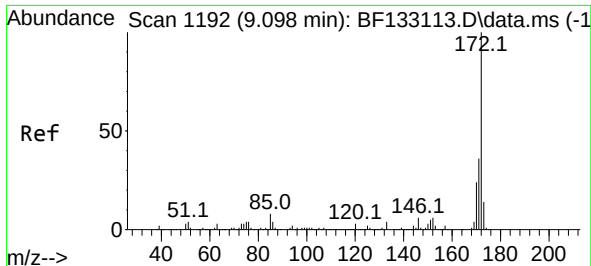
196 100

198 100.1 80.9 121.3

97 44.0 41.3 61.9

132 28.9 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 77.485 ng

RT: 9.086 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

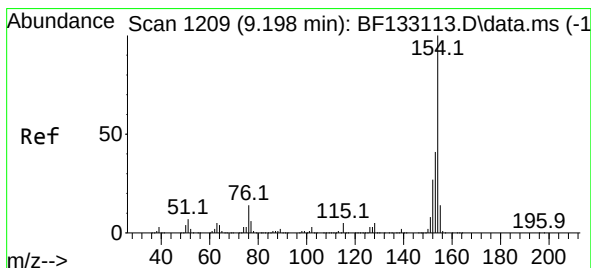
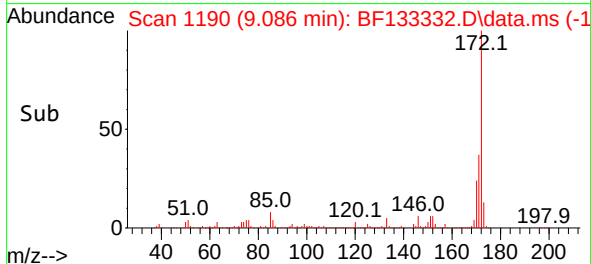
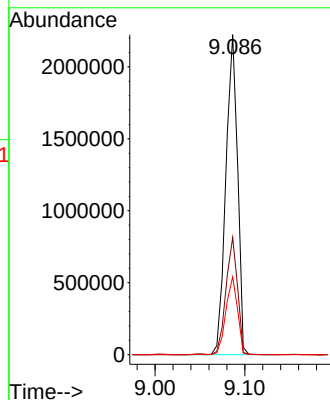
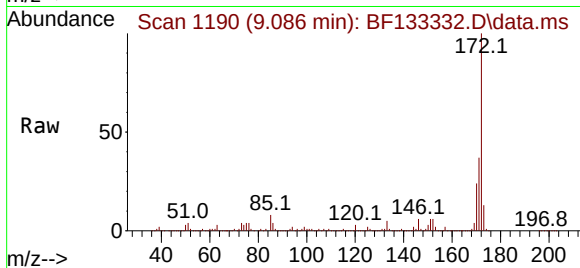
Tgt Ion:172 Resp: 2012863

Ion Ratio Lower Upper

172 100

171 36.6 28.8 43.2

170 24.4 19.4 29.2



#46

1,1'-Biphenyl

Concen: 43.727 ng

RT: 9.186 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

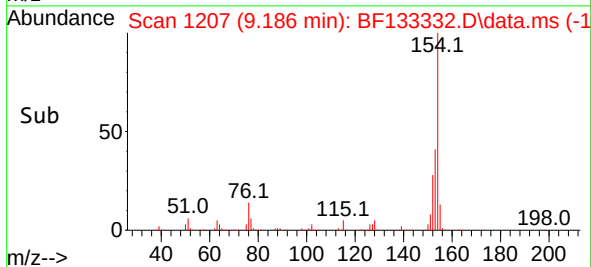
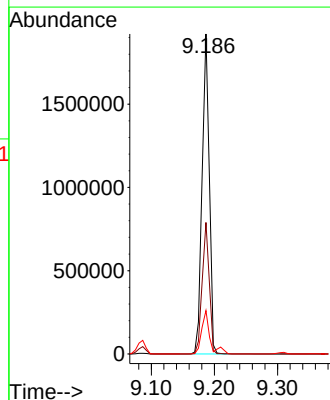
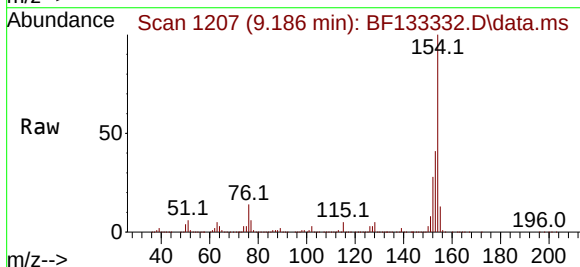
Tgt Ion:154 Resp: 1506898

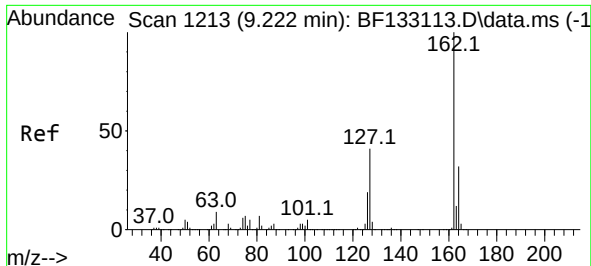
Ion Ratio Lower Upper

154 100

153 41.1 21.0 61.0

76 13.6 0.0 34.5





#47

2-Chloronaphthalene

Concen: 45.209 ng

RT: 9.210 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

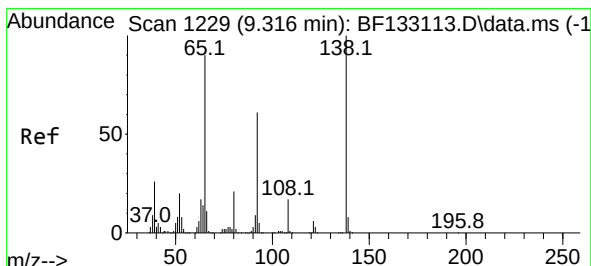
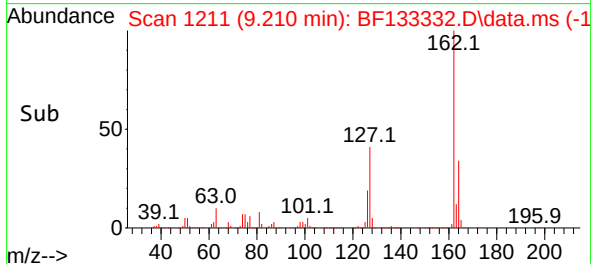
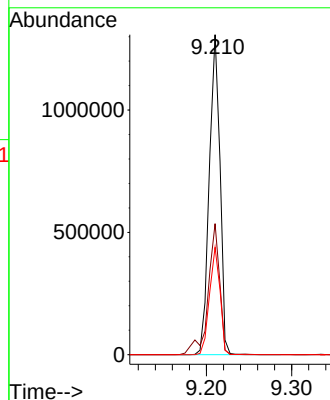
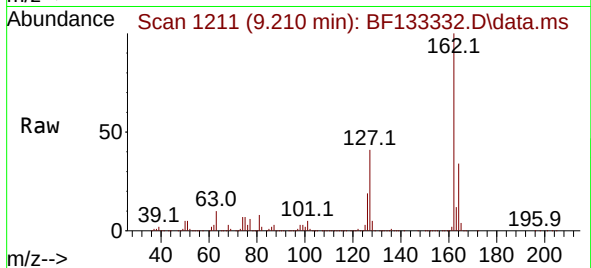
Tgt Ion:162 Resp: 1140343

Ion Ratio Lower Upper

162 100

127 40.9 32.3 48.5

164 33.6 26.8 40.2



#48

2-Nitroaniline

Concen: 44.341 ng

RT: 9.310 min Scan# 1228

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

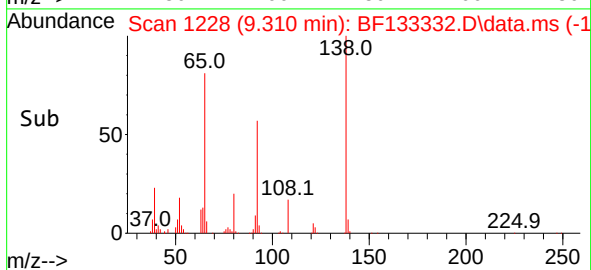
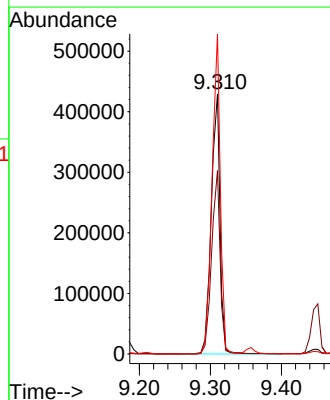
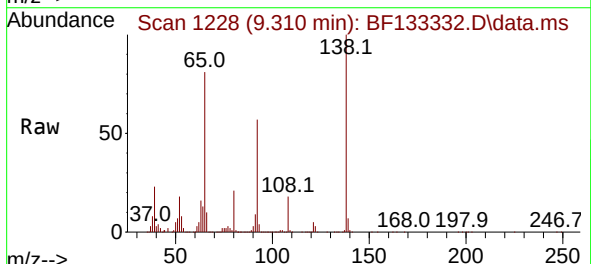
Tgt Ion: 65 Resp: 369641

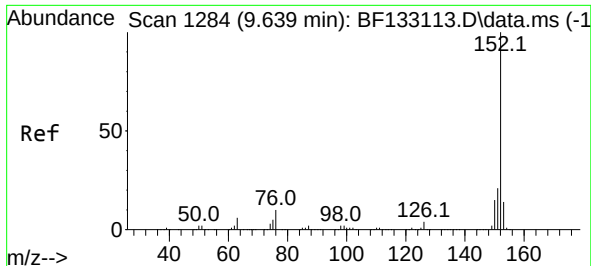
Ion Ratio Lower Upper

65 100

92 70.5 55.4 83.0

138 123.0 98.2 147.2

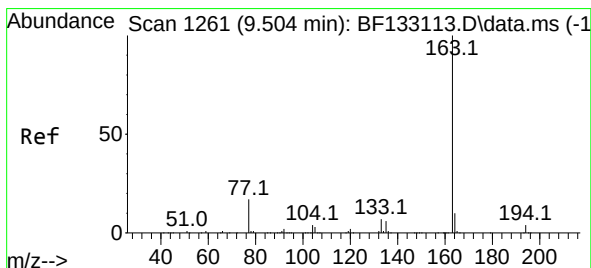
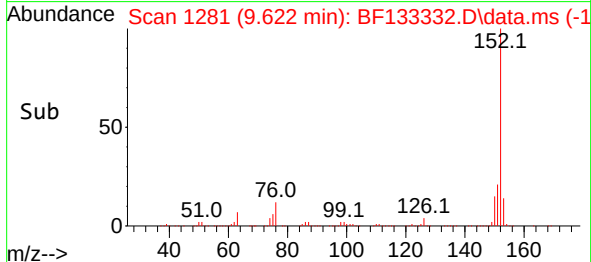
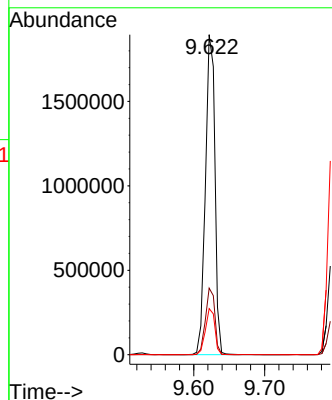
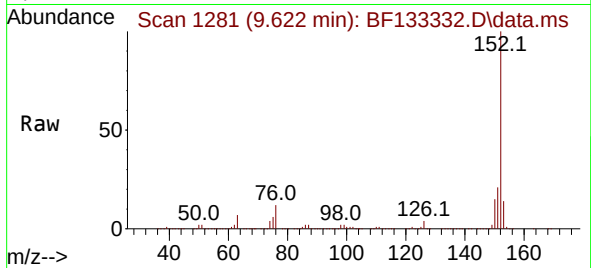




#49
Acenaphthylene
Concen: 43.889 ng
RT: 9.622 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

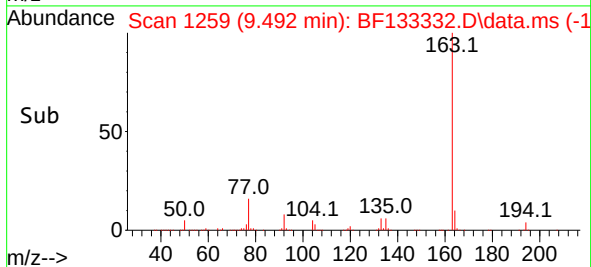
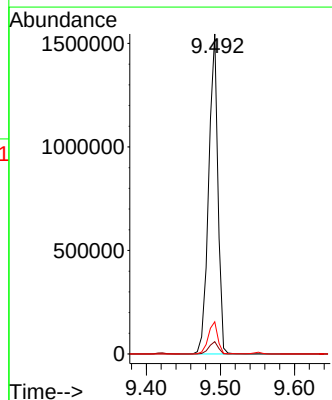
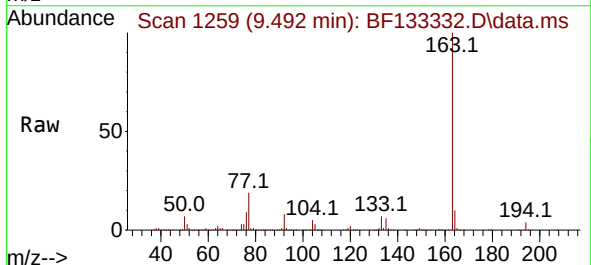
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

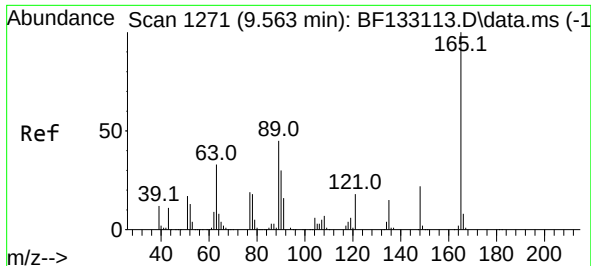
Tgt Ion:152 Resp: 1768873
Ion Ratio Lower Upper
152 100
151 20.8 16.6 24.8
153 14.4 11.5 17.3



#50
Dimethylphthalate
Concen: 44.216 ng
RT: 9.492 min Scan# 1259
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:163 Resp: 1339929
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.0 8.5 12.7

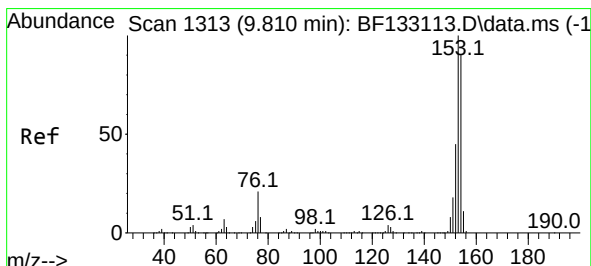
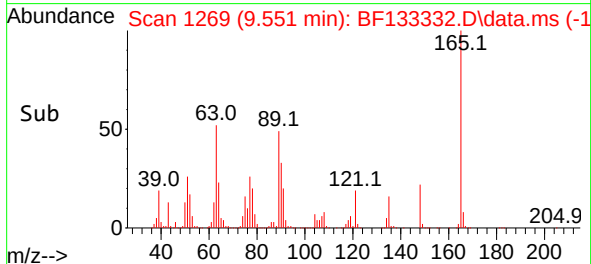
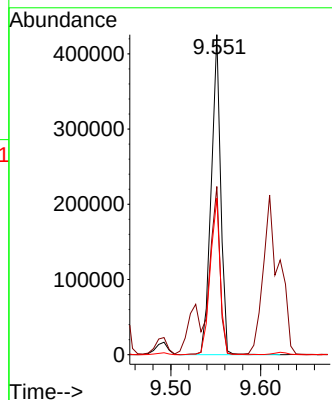
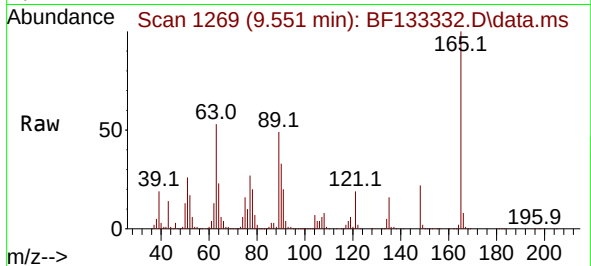




#51
2,6-Dinitrotoluene
Concen: 45.869 ng
RT: 9.551 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

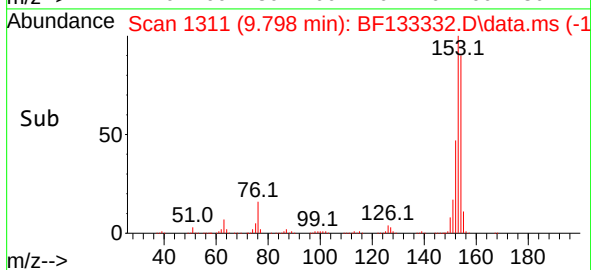
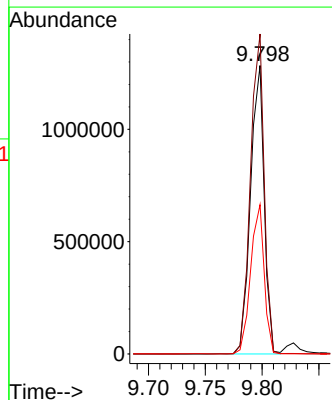
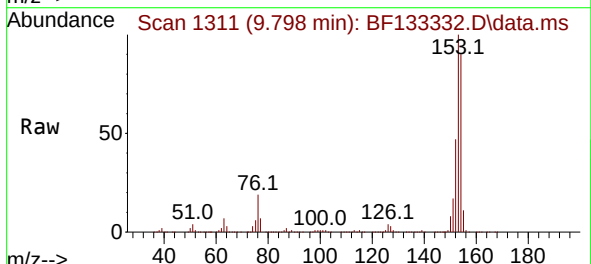
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

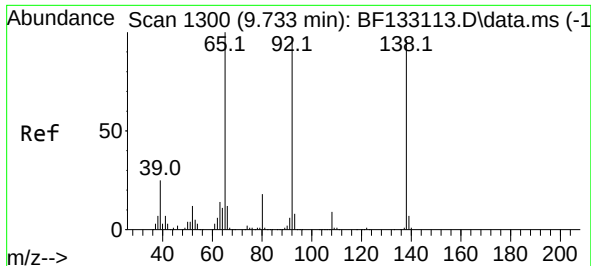
Tgt Ion:165 Resp: 312854
Ion Ratio Lower Upper
165 100
63 52.6 45.9 68.9
89 48.9 44.0 66.0



#52
Acenaphthene
Concen: 40.044 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:154 Resp: 1080929
Ion Ratio Lower Upper
154 100
153 110.9 89.0 133.6
152 51.8 40.4 60.6

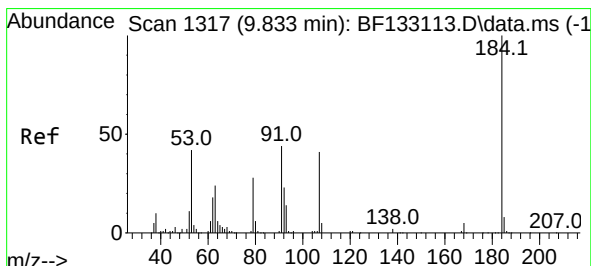
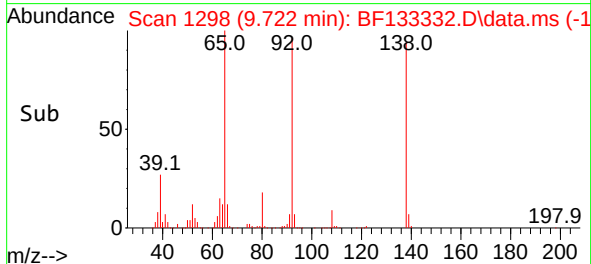
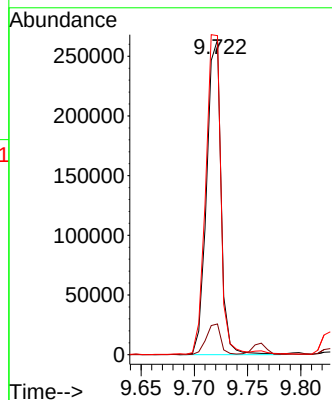
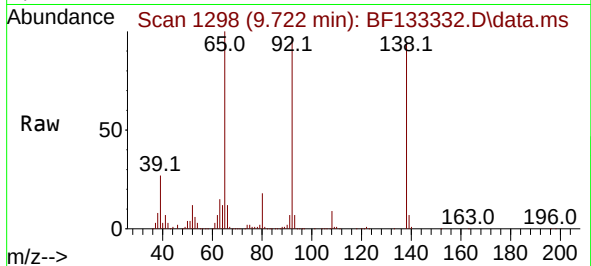




#53
3-Nitroaniline
Concen: 30.798 ng
RT: 9.722 min Scan# 1300
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

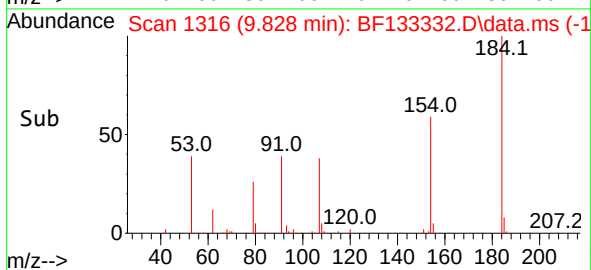
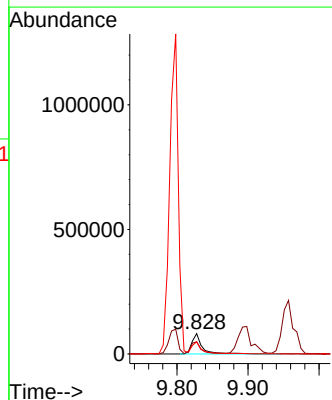
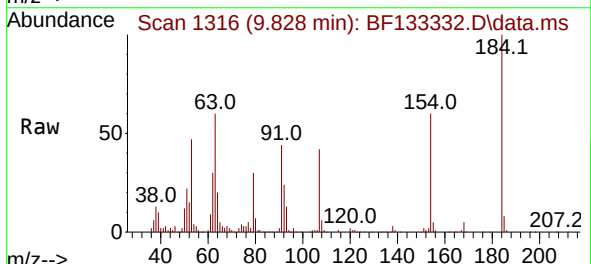
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

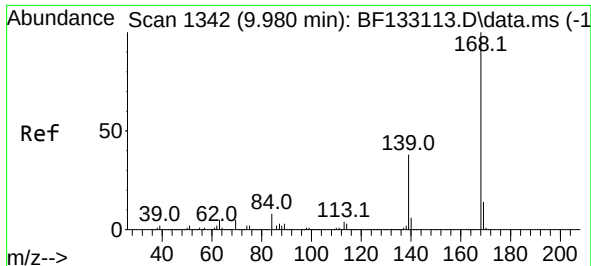
Tgt Ion:138 Resp: 249770
Ion Ratio Lower Upper
138 100
108 9.8 8.0 12.0
92 101.3 83.6 125.4



#54
2,4-Dinitrophenol
Concen: 24.115 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:184 Resp: 82675
Ion Ratio Lower Upper
184 100
63 60.2 49.8 74.8
154 60.1 49.5 74.3





#55

Dibenzenofuran

Concen: 42.206 ng

RT: 9.969 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

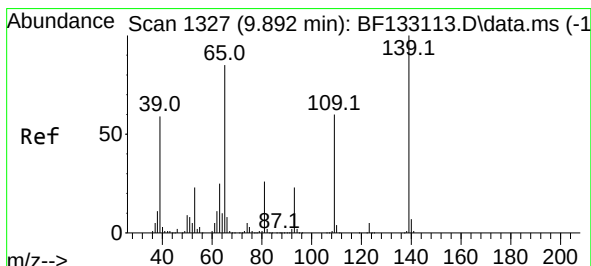
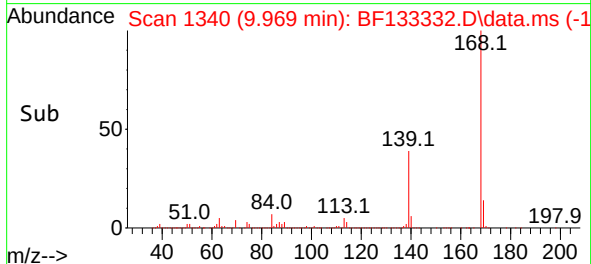
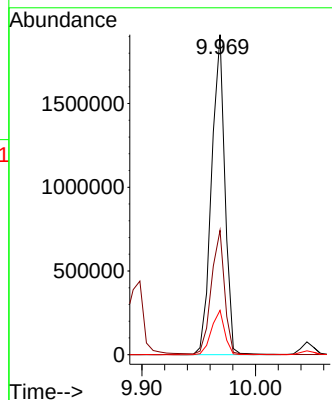
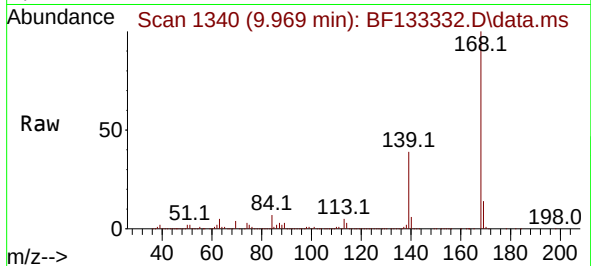
Tgt Ion:168 Resp: 1554091

Ion Ratio Lower Upper

168 100

139 38.8 29.8 44.8

169 13.9 10.8 16.2



#56

4-Nitrophenol

Concen: 70.894 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.012 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

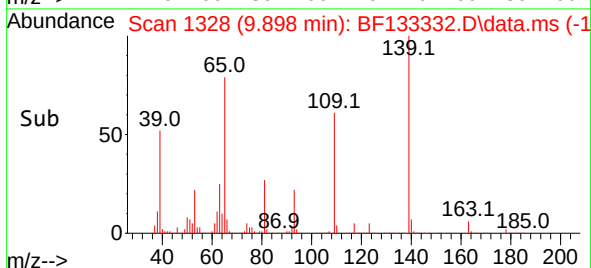
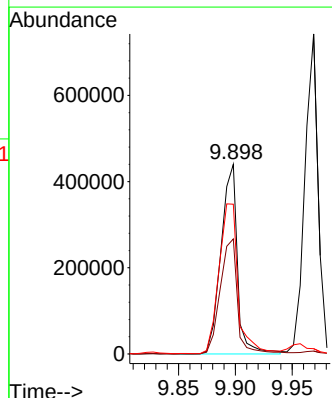
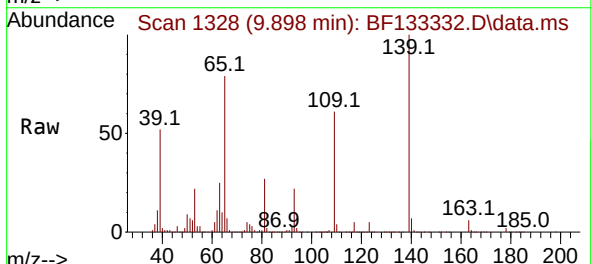
Tgt Ion:139 Resp: 445303

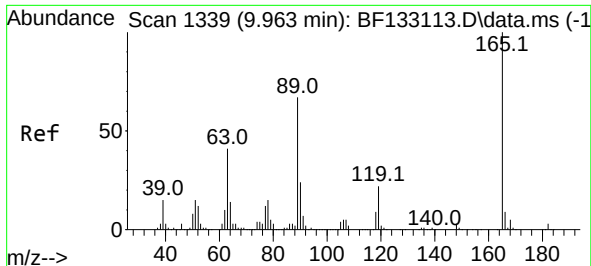
Ion Ratio Lower Upper

139 100

109 60.7 39.4 79.4

65 79.0 57.5 97.5





#57

2,4-Dinitrotoluene

Concen: 45.310 ng

RT: 9.957 min Scan# 1338

Delta R.T. 0.000 min

Lab File: BF133332.D

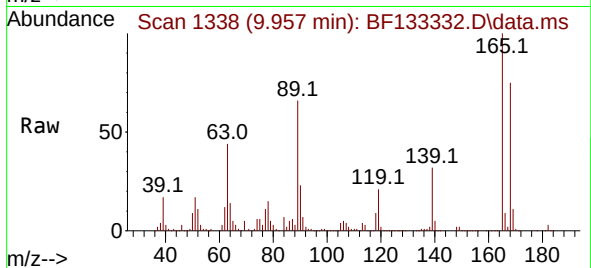
Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD



Tgt Ion:165 Resp: 394112

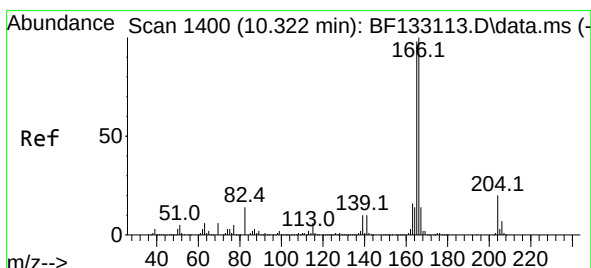
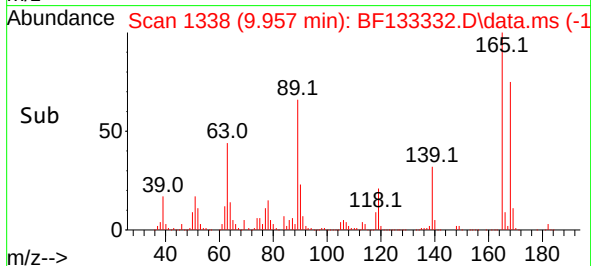
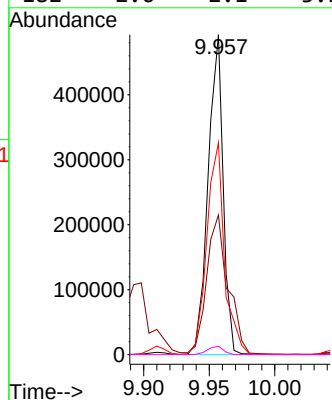
Ion Ratio Lower Upper

165 100

63 43.7 37.7 56.5

89 66.3 57.0 85.4

182 2.6 2.1 3.1



#58

Fluorene

Concen: 43.719 ng

RT: 10.310 min Scan# 1398

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

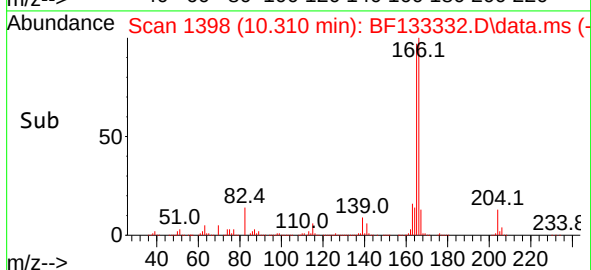
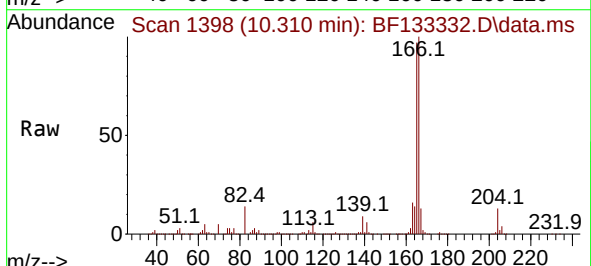
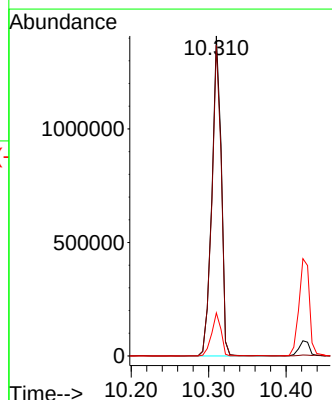
Tgt Ion:166 Resp: 1179415

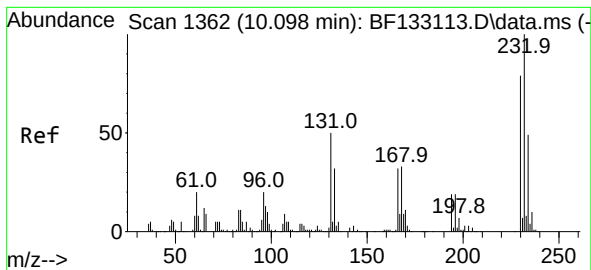
Ion Ratio Lower Upper

166 100

165 97.1 78.6 117.8

167 13.5 11.0 16.4

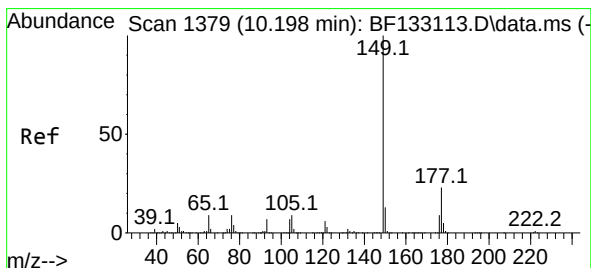
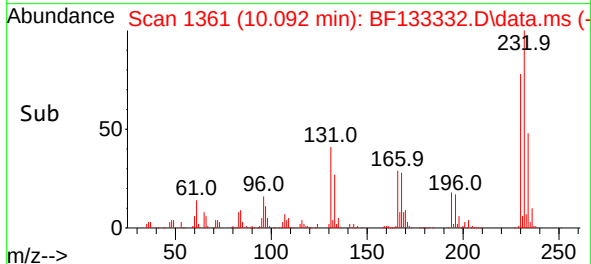
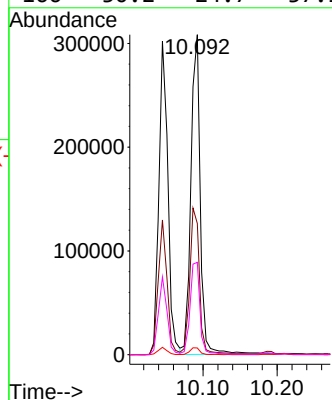
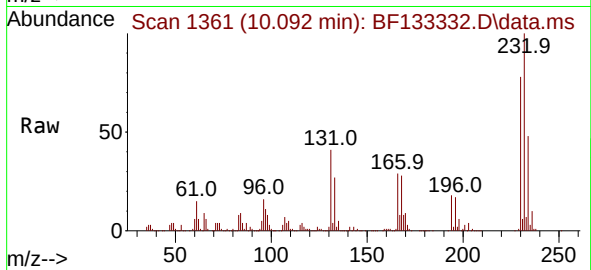




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.543 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

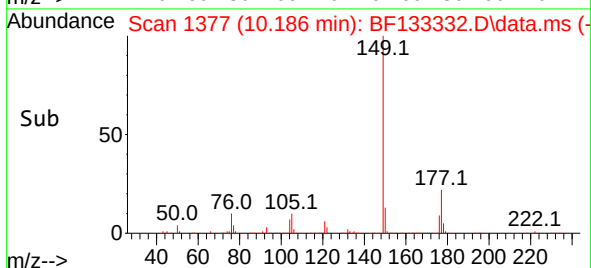
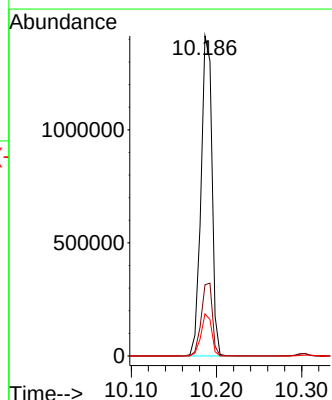
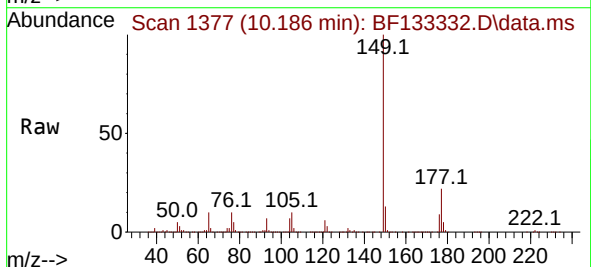
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

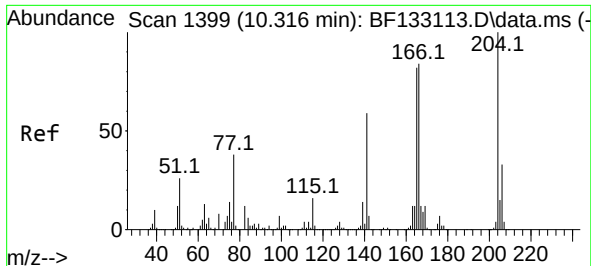
Tgt Ion:232 Resp: 272023
Ion Ratio Lower Upper
232 100
131 46.8 38.0 57.0
130 2.4 1.8 2.8
166 30.2 24.7 37.1



#60
Diethylphthalate
Concen: 44.196 ng
RT: 10.186 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:149 Resp: 1265053
Ion Ratio Lower Upper
149 100
177 22.3 18.2 27.4
150 13.2 10.2 15.4

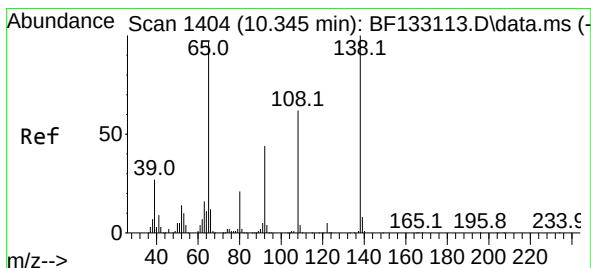
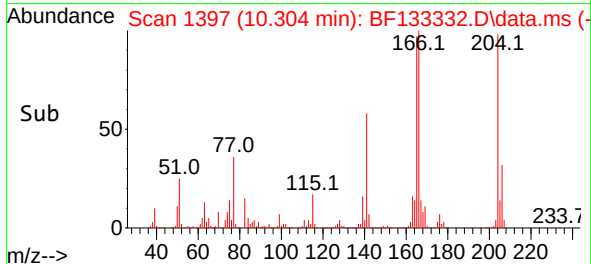
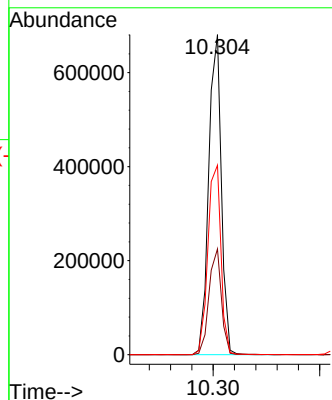
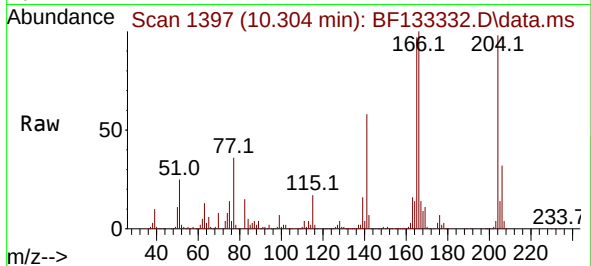




#61
4-Chlorophenyl-phenylether
Concen: 42.634 ng
RT: 10.304 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

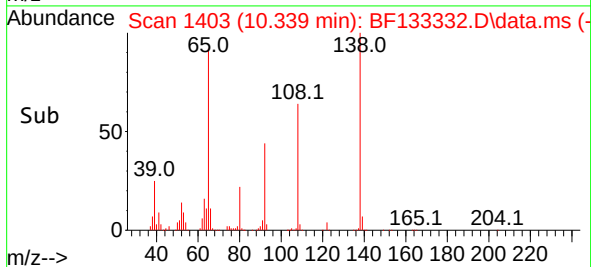
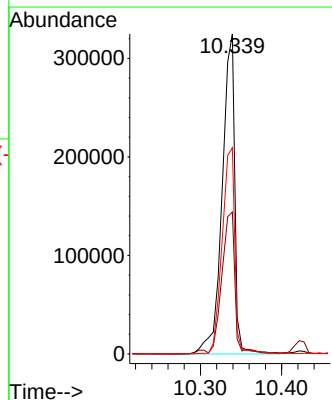
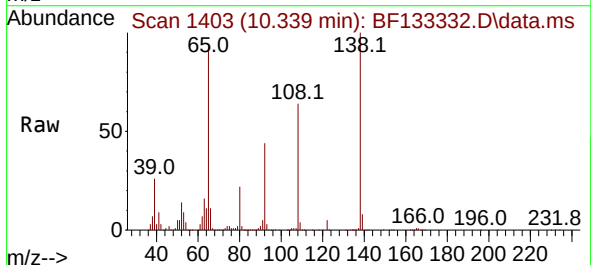
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

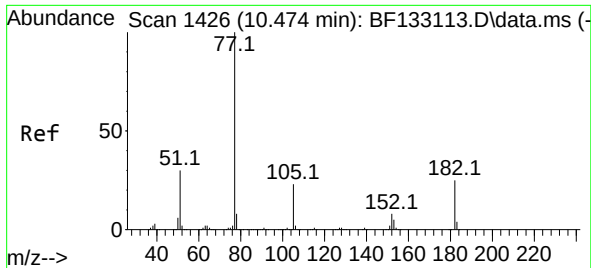
Tgt Ion:204 Resp: 560494
Ion Ratio Lower Upper
204 100
206 33.1 26.1 39.1
141 59.2 46.1 69.1



#62
4-Nitroaniline
Concen: 47.353 ng
RT: 10.339 min Scan# 1403
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:138 Resp: 352958
Ion Ratio Lower Upper
138 100
92 44.4 27.7 67.7
108 64.4 45.2 85.2



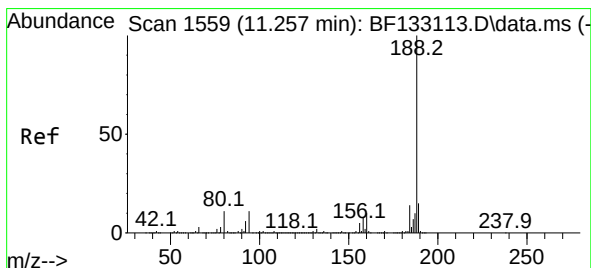
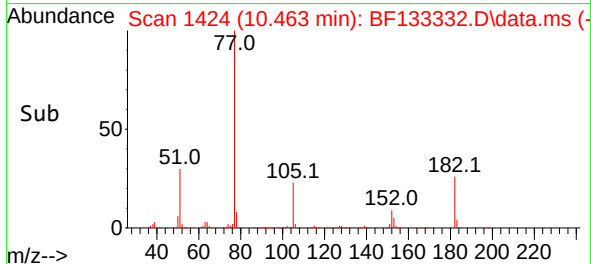
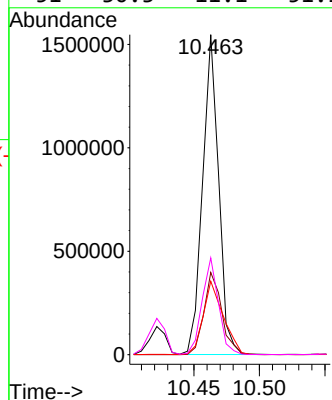
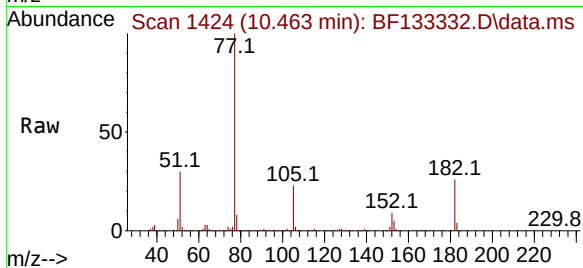


#63
Azobenzene
Concen: 43.539 ng
RT: 10.463 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

Tgt Ion: 77 Resp: 1320202

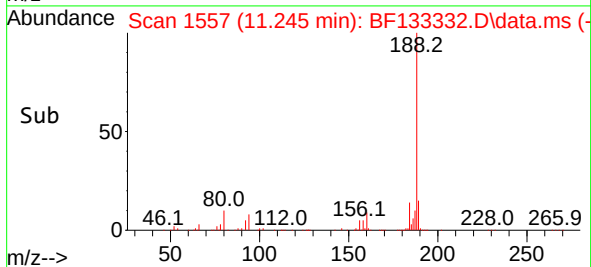
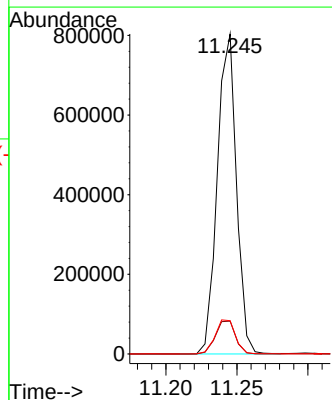
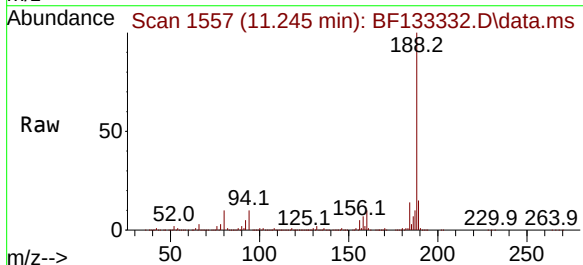
Ion	Ratio	Lower	Upper
77	100		
182	25.7	5.9	45.9
105	23.0	2.3	42.3
51	30.3	11.1	51.1

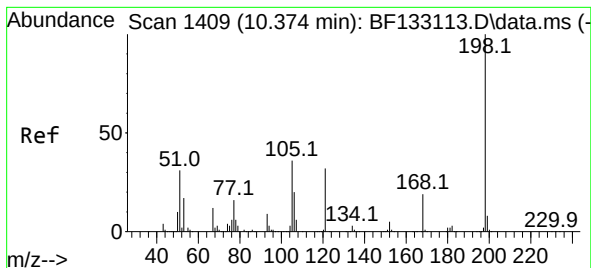


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 1557
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion: 188 Resp: 750294

Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.7	14.5
80	10.4	10.4	15.6

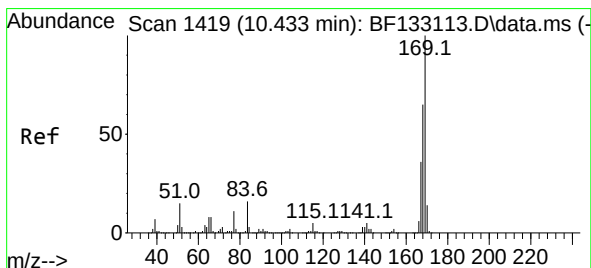
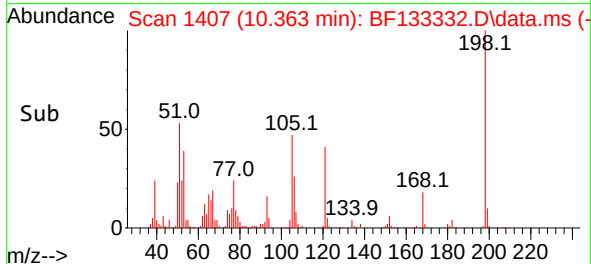
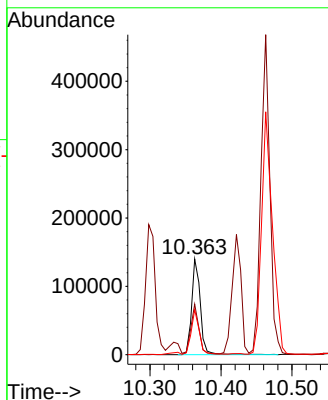
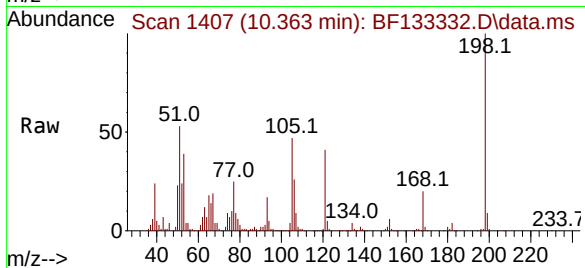




#65
4,6-Dinitro-2-methylphenol
Concen: 26.170 ng
RT: 10.363 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

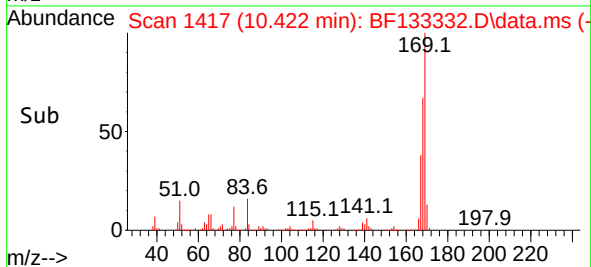
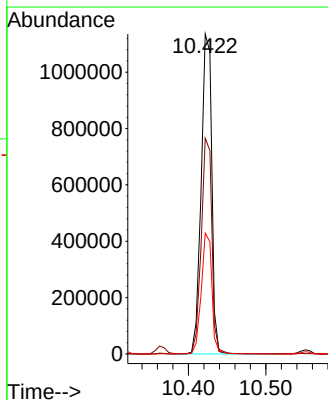
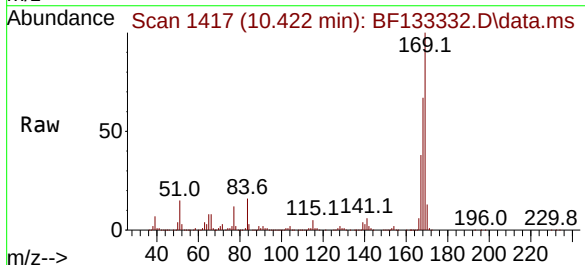
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

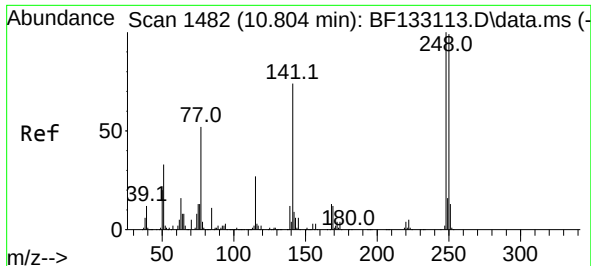
Tgt Ion:198 Resp: 119012
Ion Ratio Lower Upper
198 100
51 52.9 15.5 55.5
105 47.0 16.7 56.7



#66
n-Nitrosodiphenylamine
Concen: 44.222 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:169 Resp: 1076247
Ion Ratio Lower Upper
169 100
168 67.4 53.8 80.8
167 37.7 29.7 44.5





#67

4-Bromophenyl-phenylether

Concen: 43.897 ng

RT: 10.792 min Scan# 1480

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

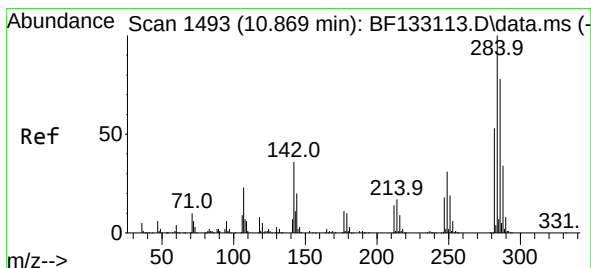
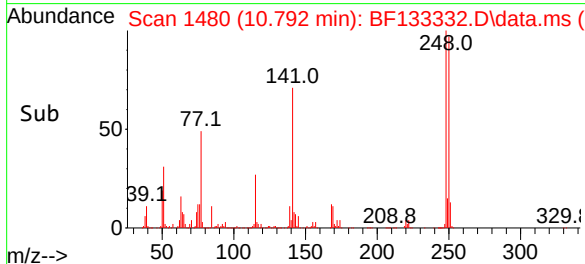
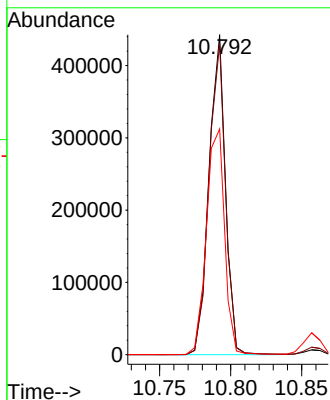
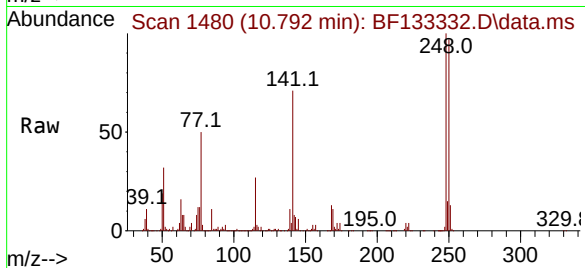
Tgt Ion:248 Resp: 357207

Ion Ratio Lower Upper

248 100

250 97.2 78.7 118.1

141 70.6 56.3 84.5



#68

Hexachlorobenzene

Concen: 45.663 ng

RT: 10.857 min Scan# 1491

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

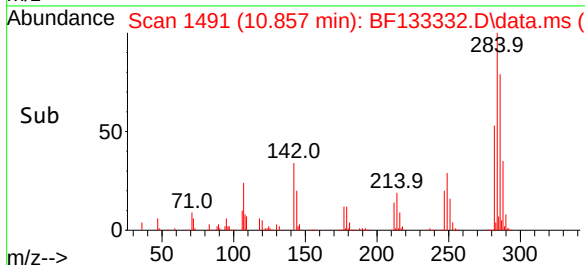
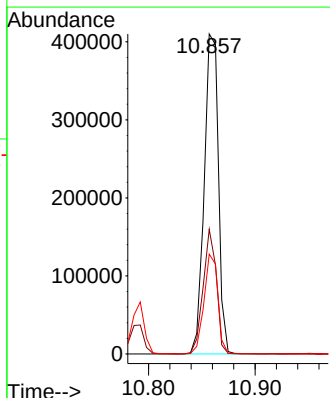
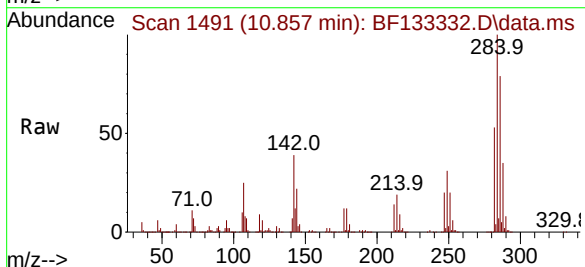
Tgt Ion:284 Resp: 380747

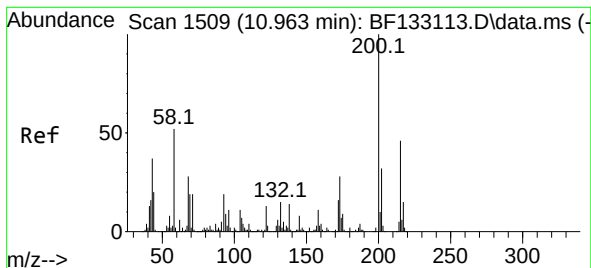
Ion Ratio Lower Upper

284 100

142 39.0 26.0 39.0

249 31.2 23.7 35.5





#69

Atrazine

Concen: 52.531 ng

RT: 10.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

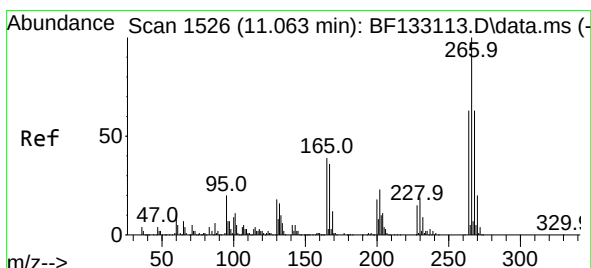
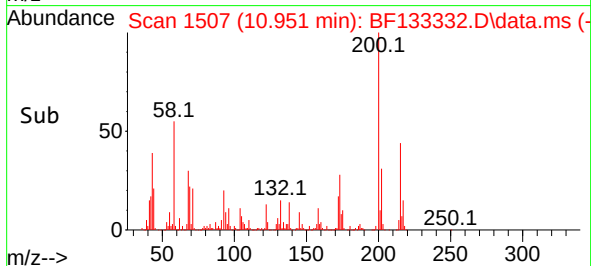
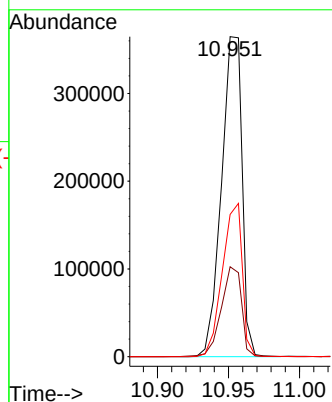
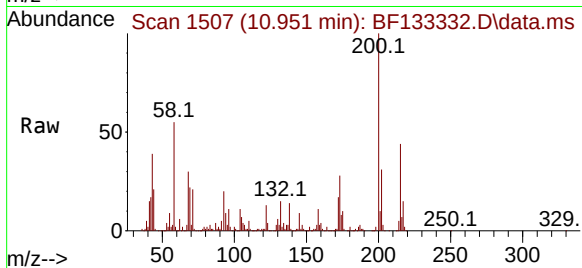
Tgt Ion:200 Resp: 368389

Ion Ratio Lower Upper

200 100

173 28.1 6.2 46.2

215 44.4 26.3 66.3



#70

Pentachlorophenol

Concen: 39.278 ng

RT: 11.057 min Scan# 1525

Delta R.T. 0.006 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

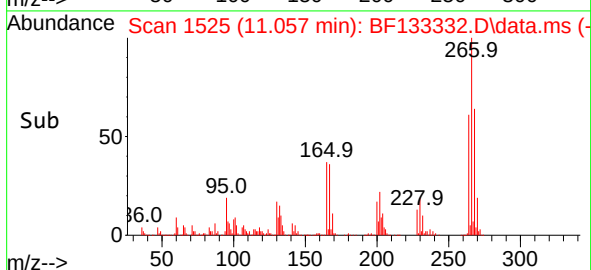
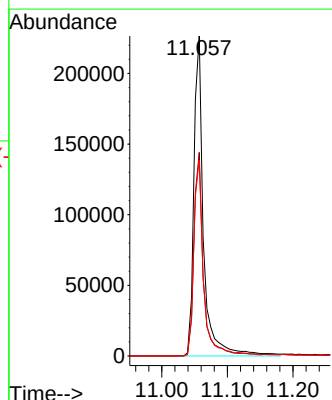
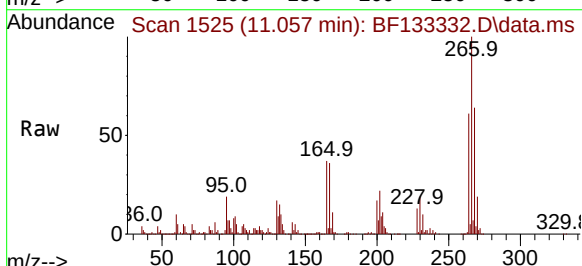
Tgt Ion:266 Resp: 233253

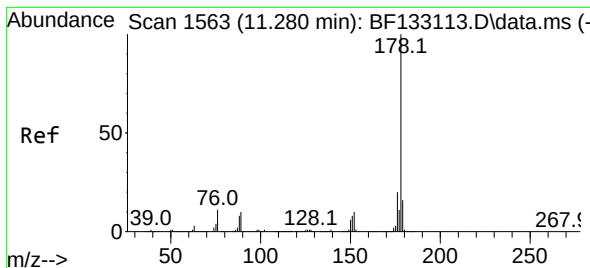
Ion Ratio Lower Upper

266 100

268 63.6 48.8 73.2

264 61.3 50.6 76.0





#71

Phenanthrene

Concen: 43.945 ng

RT: 11.269 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

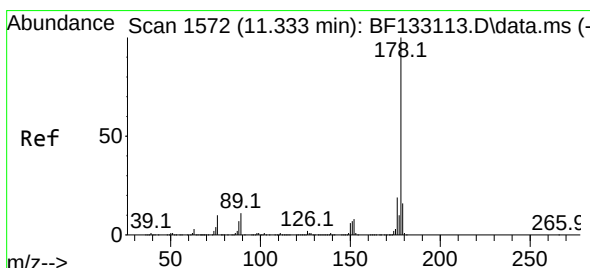
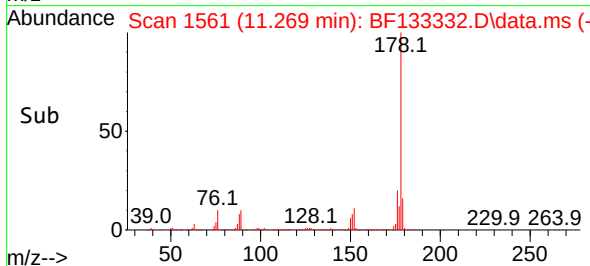
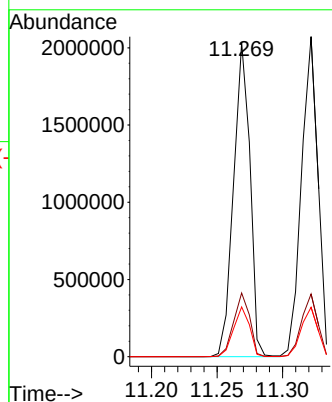
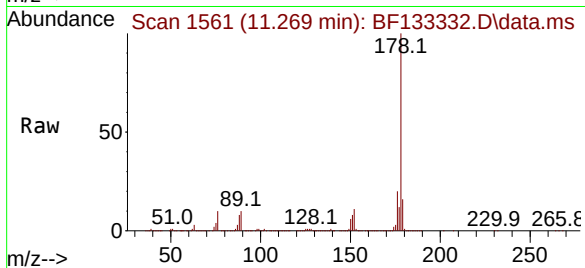
Tgt Ion:178 Resp: 1772127

Ion Ratio Lower Upper

178 100

176 20.3 15.9 23.9

179 15.8 12.5 18.7



#72

Anthracene

Concen: 44.050 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

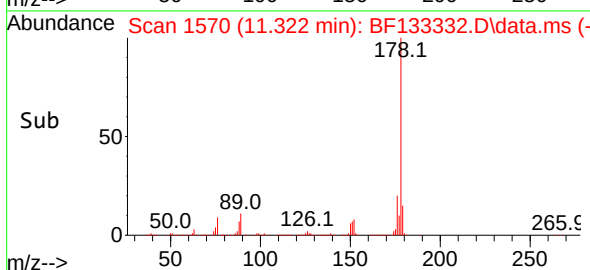
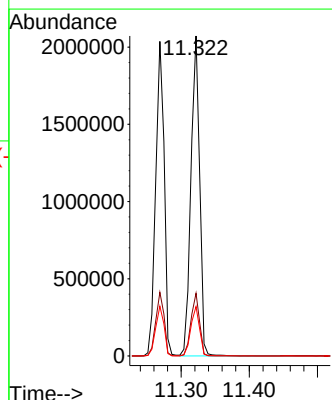
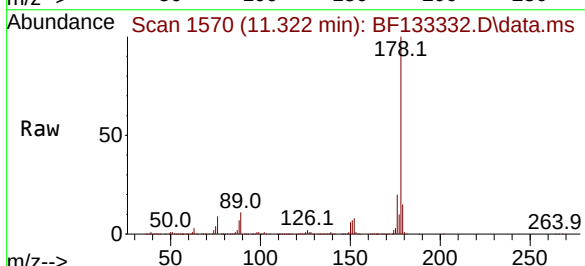
Tgt Ion:178 Resp: 1817904

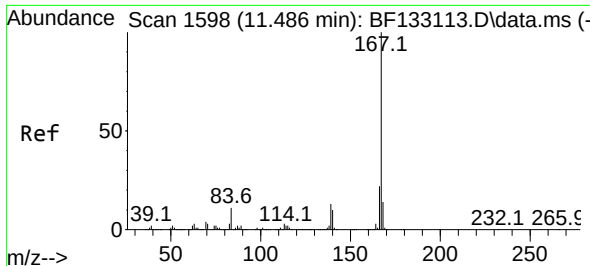
Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 15.5 12.4 18.6

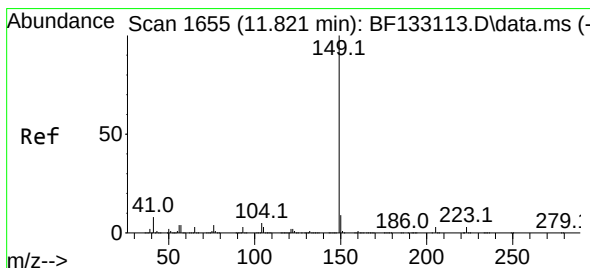
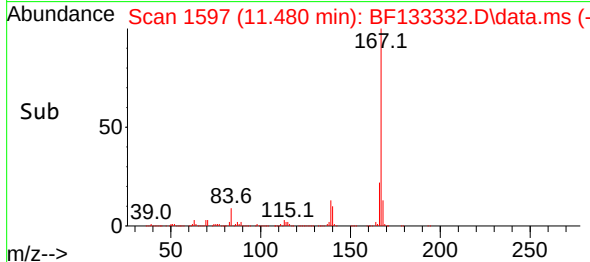
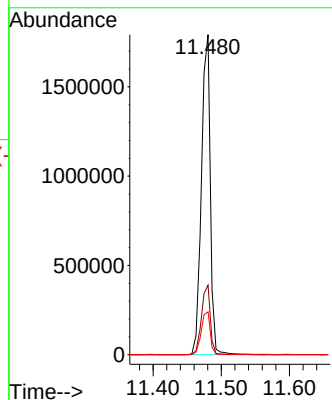
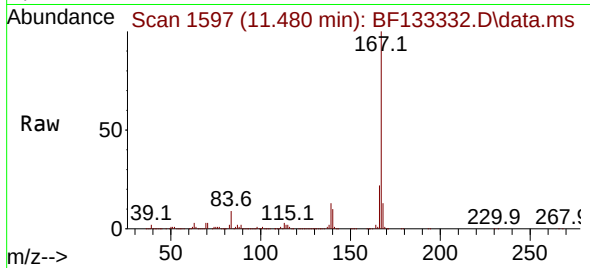




#73
Carbazole
Concen: 44.189 ng
RT: 11.480 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

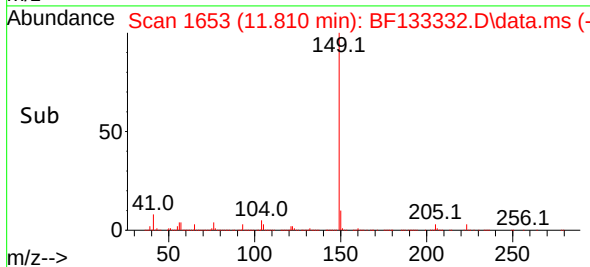
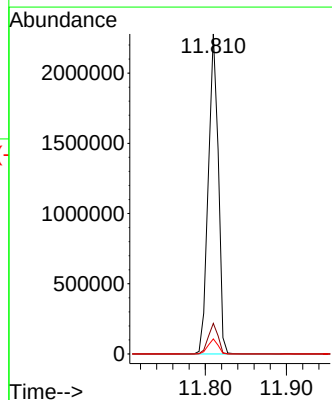
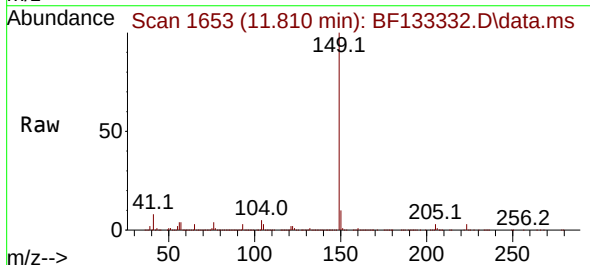
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

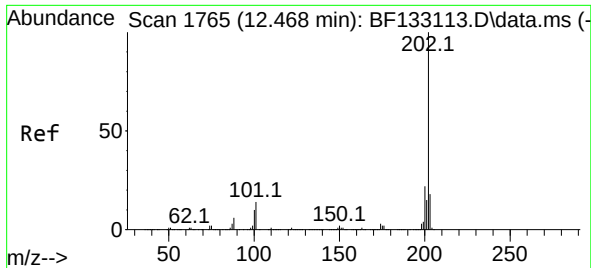
Tgt Ion:167 Resp: 1623844
Ion Ratio Lower Upper
167 100
166 21.7 17.4 26.0
139 13.4 10.6 16.0



#74
Di-n-butylphthalate
Concen: 46.521 ng
RT: 11.810 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:149 Resp: 1934581
Ion Ratio Lower Upper
149 100
150 9.6 7.6 11.4
104 4.7 4.0 6.0

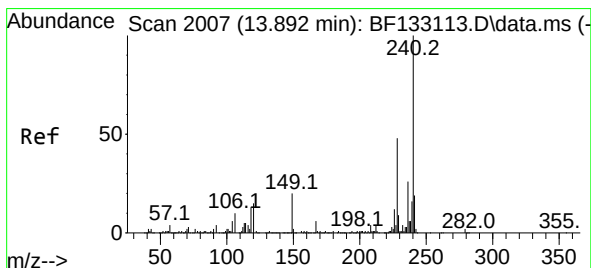
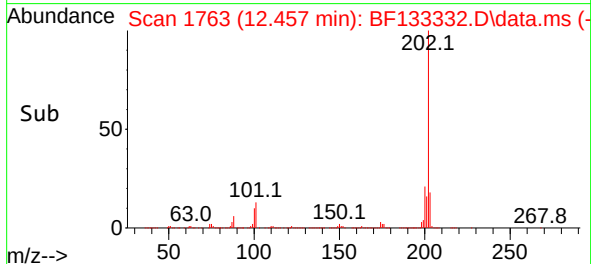
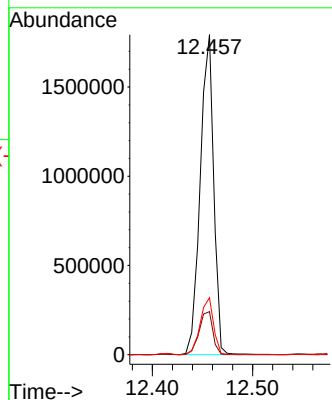
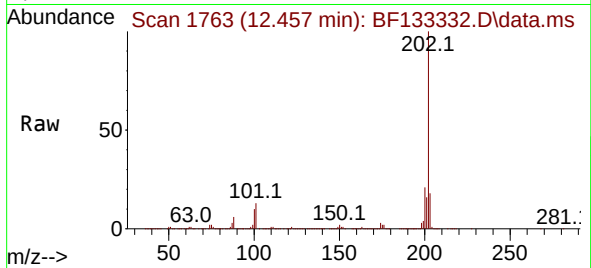




#75
Fluoranthene
Concen: 41.479 ng
RT: 12.457 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

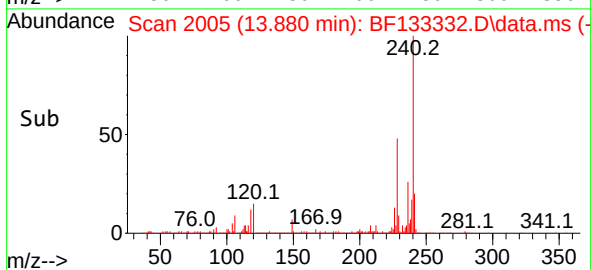
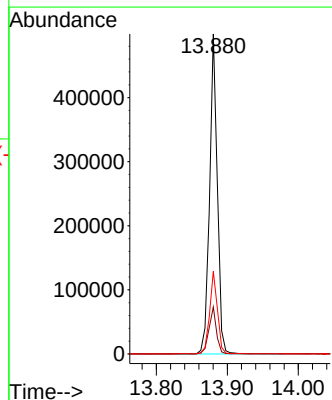
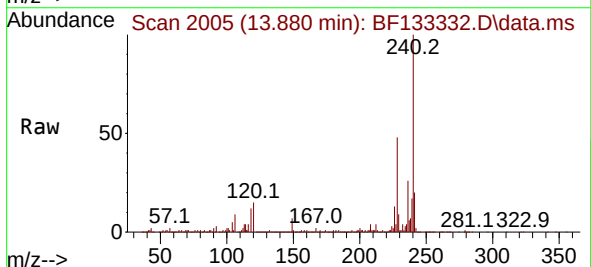
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

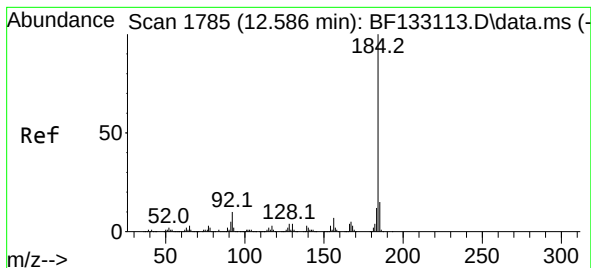
Tgt Ion:202 Resp: 1678728
Ion Ratio Lower Upper
202 100
101 13.5 0.0 35.3
203 17.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:240 Resp: 378835
Ion Ratio Lower Upper
240 100
120 14.7 10.5 15.7
236 25.9 21.5 32.3





#77

Benzidine

Concen: 117.596 ng

RT: 12.580 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

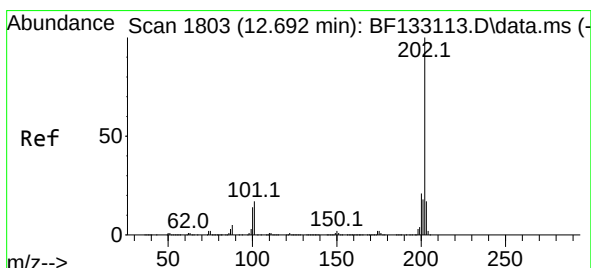
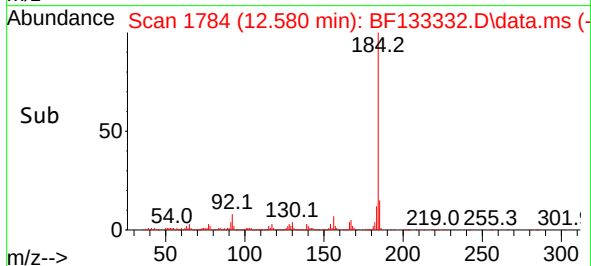
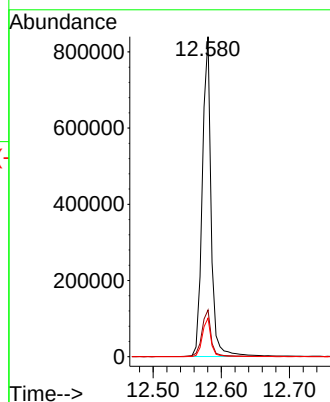
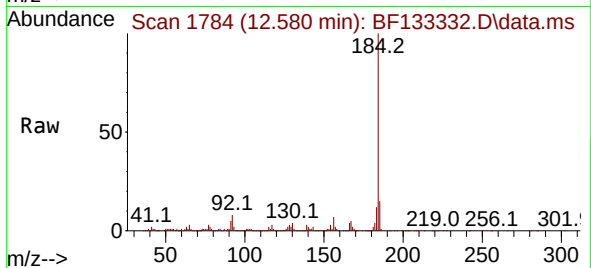
Tgt Ion:184 Resp: 753357

Ion Ratio Lower Upper

184 100

185 14.6 15.4 23.2#

183 12.1 9.4 14.0



#78

Pyrene

Concen: 51.706 ng

RT: 12.686 min Scan# 1802

Delta R.T. 0.006 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

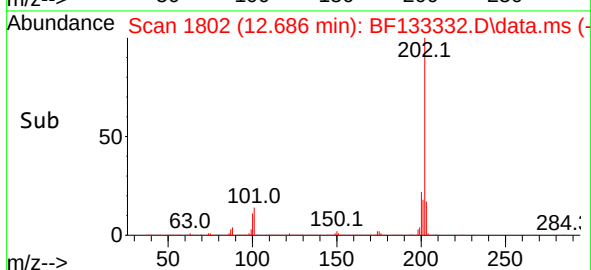
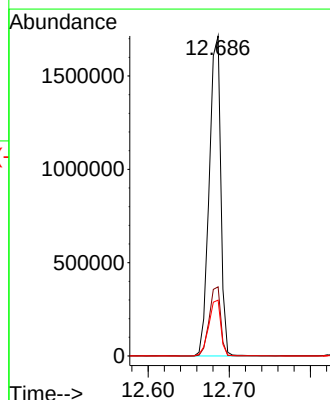
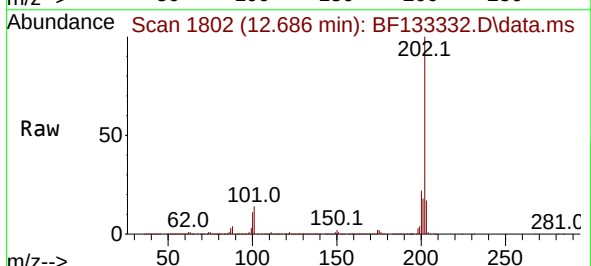
Tgt Ion:202 Resp: 1679157

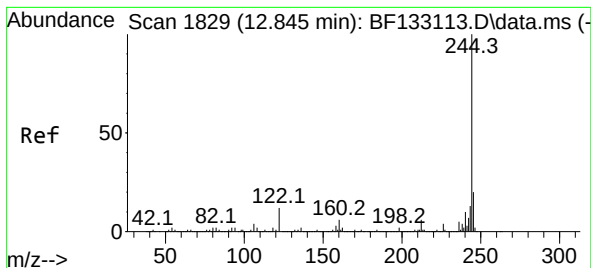
Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 90.157 ng

RT: 12.827 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

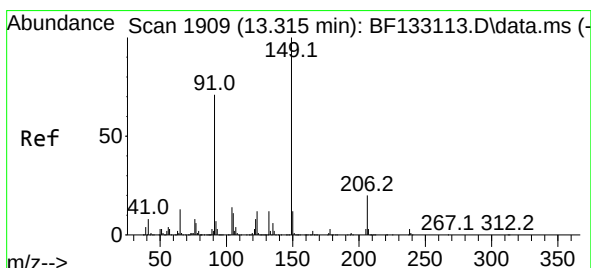
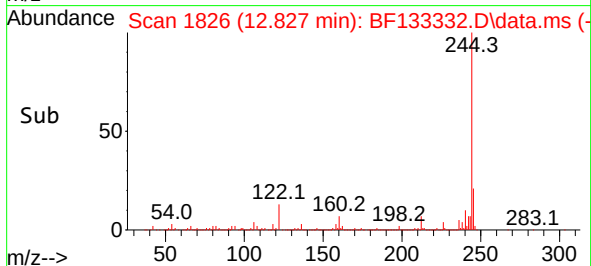
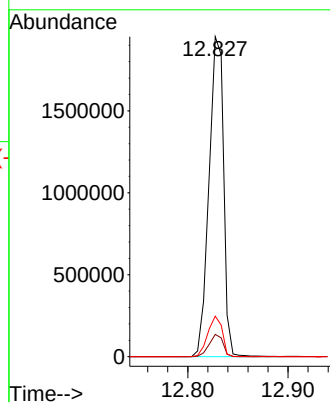
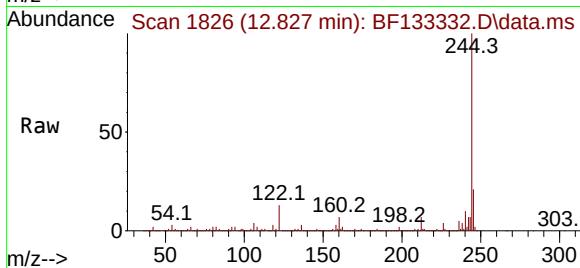
Tgt Ion:244 Resp: 1980369

Ion Ratio Lower Upper

244 100

212 6.9 5.1 7.7

122 12.7 8.6 13.0



#80

Butylbenzylphthalate

Concen: 58.891 ng

RT: 13.304 min Scan# 1907

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

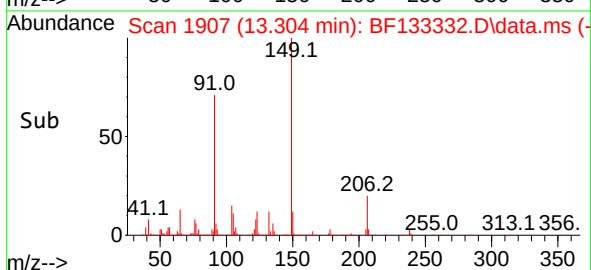
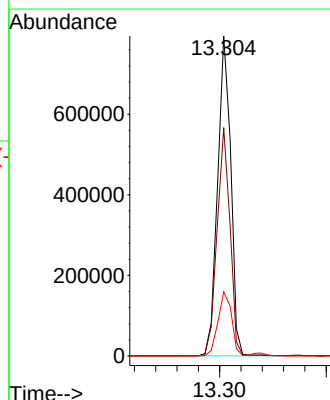
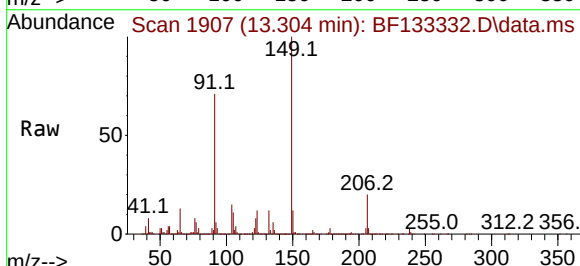
Tgt Ion:149 Resp: 677163

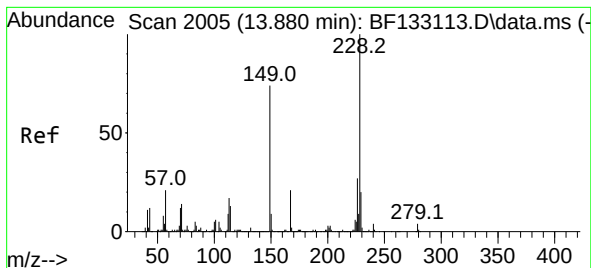
Ion Ratio Lower Upper

149 100

91 71.4 53.8 80.6

206 20.1 17.5 26.3





#81

Benzo(a)anthracene

Concen: 43.517 ng

RT: 13.869 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

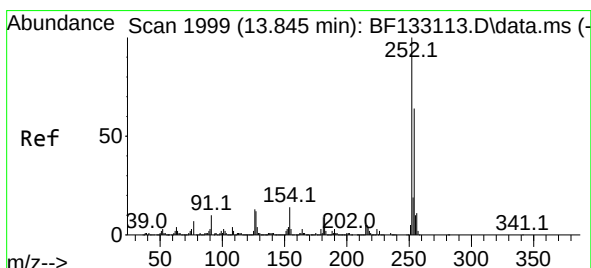
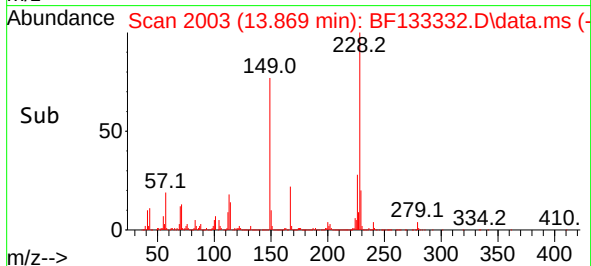
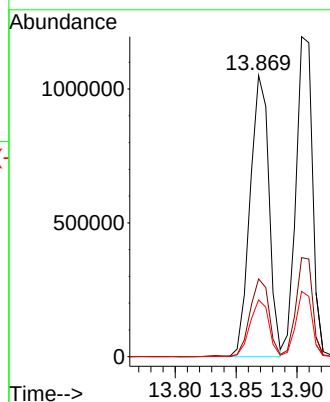
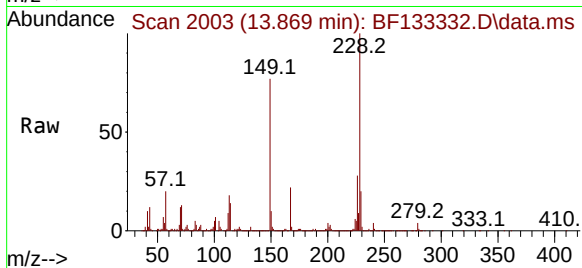
Tgt Ion:228 Resp: 1133675

Ion Ratio Lower Upper

228 100

226 27.6 22.2 33.4

229 20.2 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 24.528 ng

RT: 13.833 min Scan# 1997

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

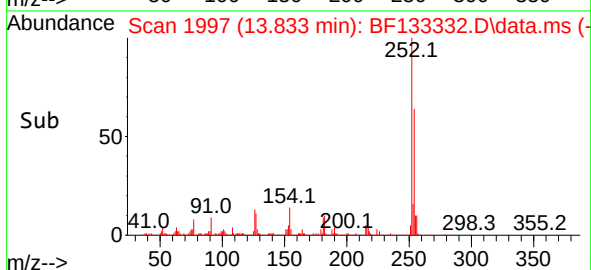
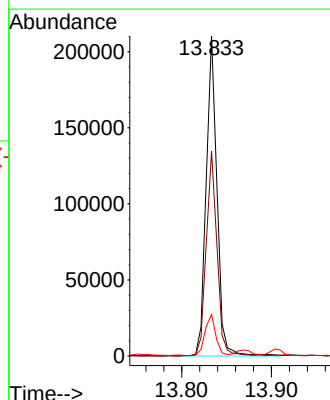
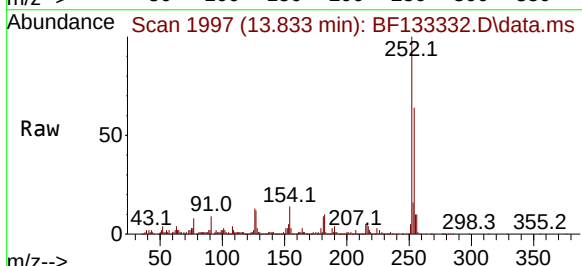
Tgt Ion:252 Resp: 176524

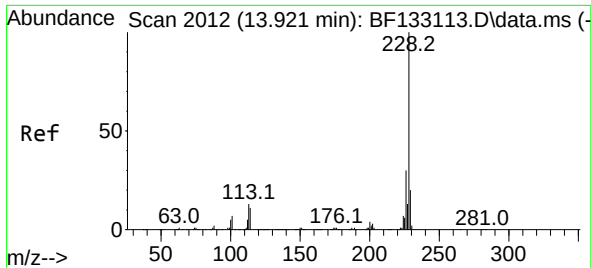
Ion Ratio Lower Upper

252 100

254 64.0 51.5 77.3

126 13.0 9.5 14.3





#83

Chrysene

Concen: 43.384 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

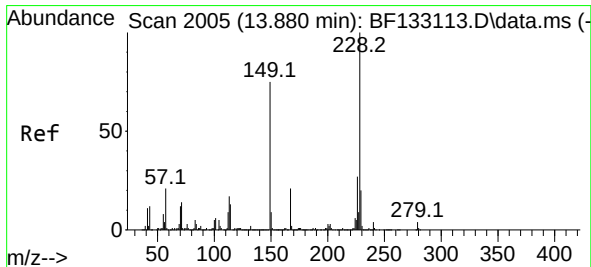
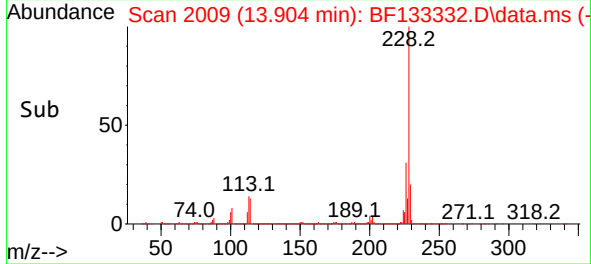
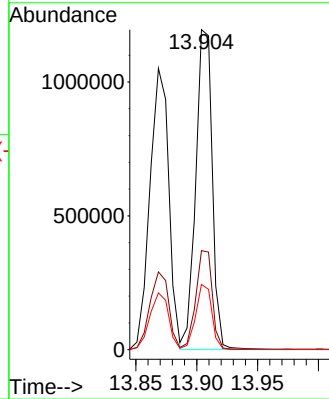
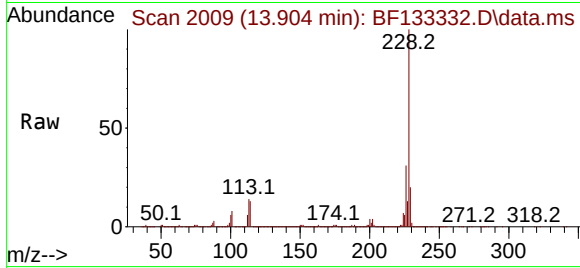
Tgt Ion:228 Resp: 1129932

Ion Ratio Lower Upper

228 100

226 31.0 24.7 37.1

229 20.4 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.256 ng

RT: 13.869 min Scan# 2003

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

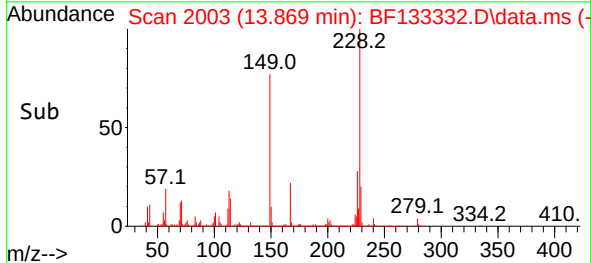
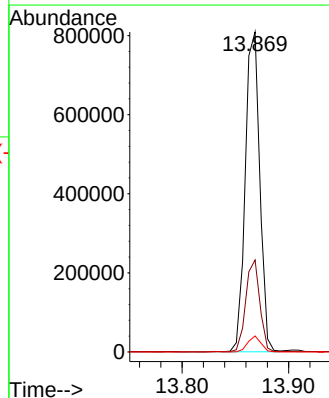
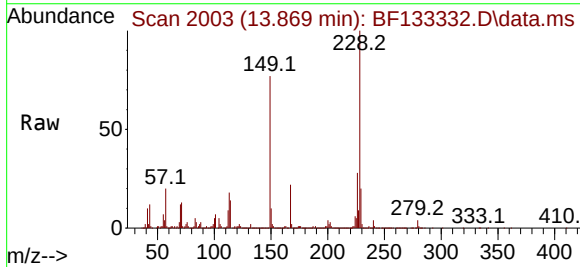
Tgt Ion:149 Resp: 768625

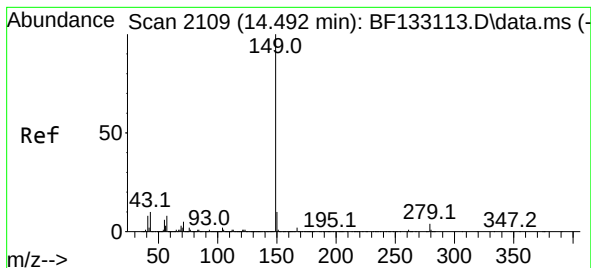
Ion Ratio Lower Upper

149 100

167 28.7 22.5 33.7

279 5.0 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 59.146 ng

RT: 14.480 min Scan# 2109

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

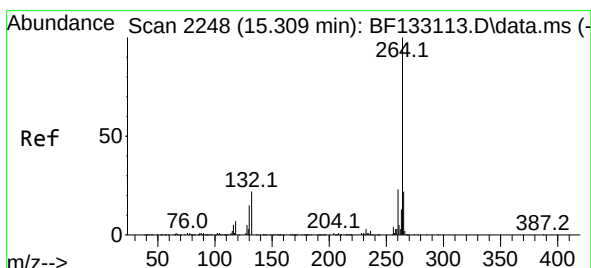
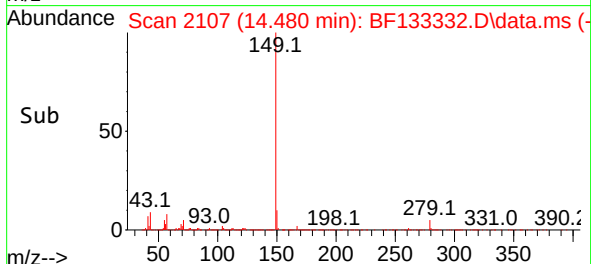
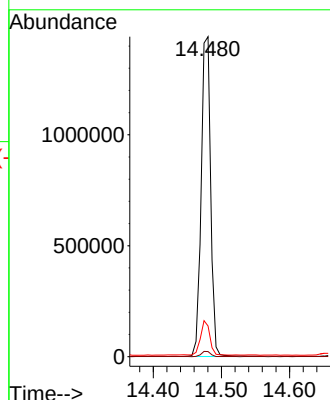
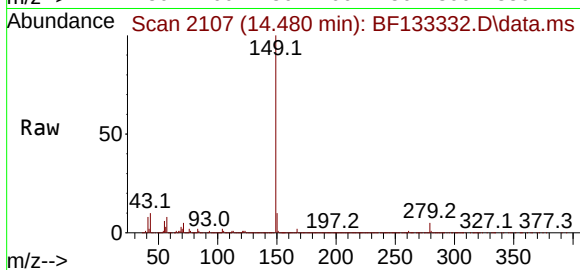
Tgt Ion:149 Resp: 1391916

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.5 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 2246

Delta R.T. 0.006 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

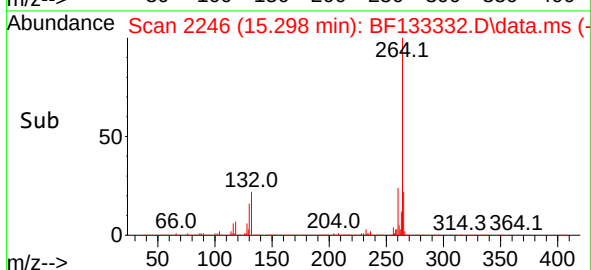
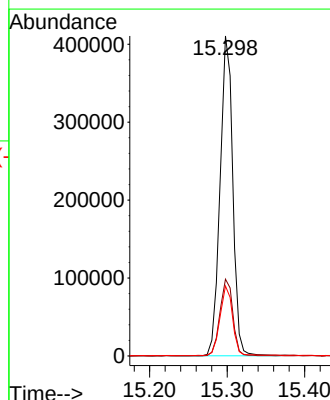
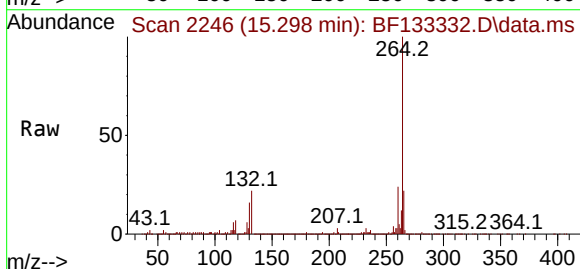
Tgt Ion:264 Resp: 467442

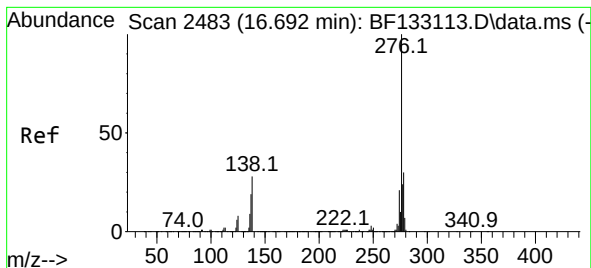
Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 21.9 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 57.815 ng

RT: 16.692 min Scan# 2483

Delta R.T. 0.018 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

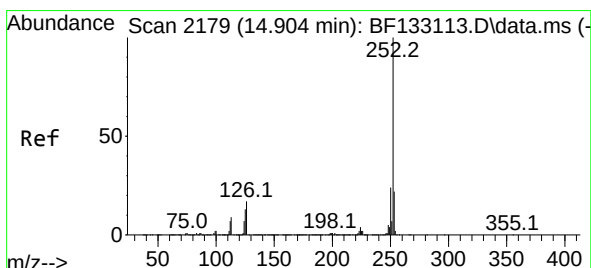
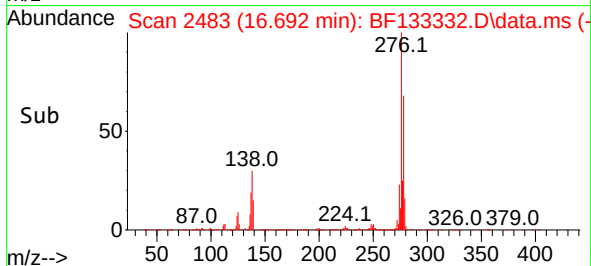
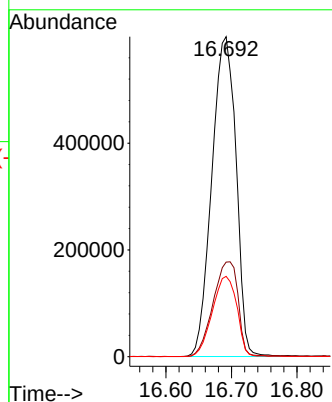
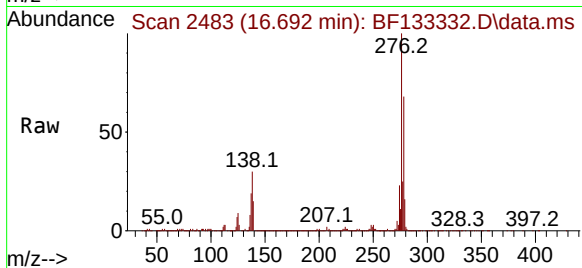
Tgt Ion:276 Resp: 1537235

Ion Ratio Lower Upper

276 100

138 30.7 25.5 38.3

277 25.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 43.003 ng

RT: 14.898 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

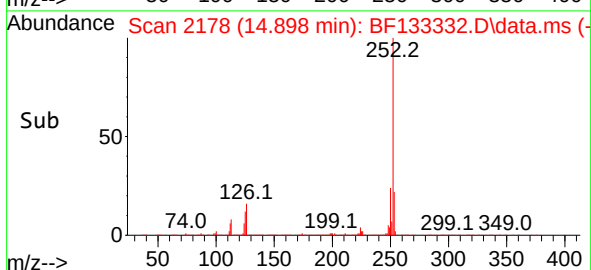
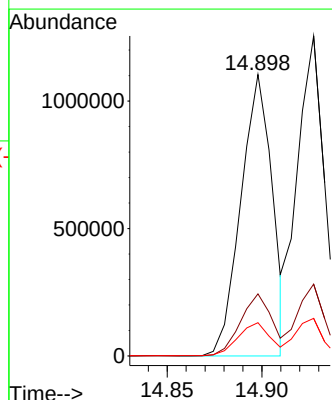
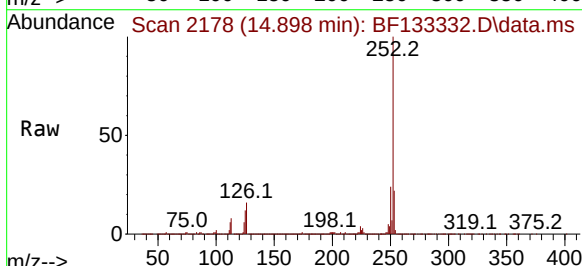
Tgt Ion:252 Resp: 1278822

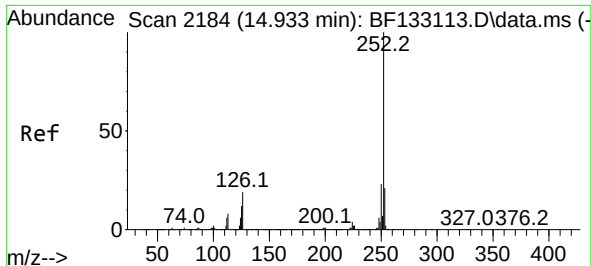
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 11.8 8.9 13.3

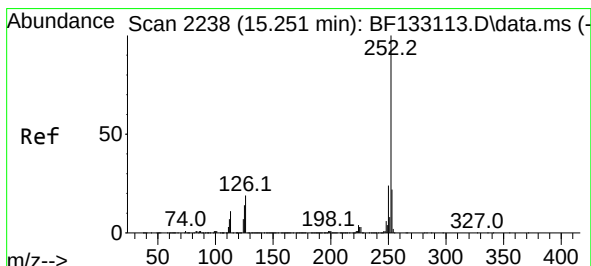
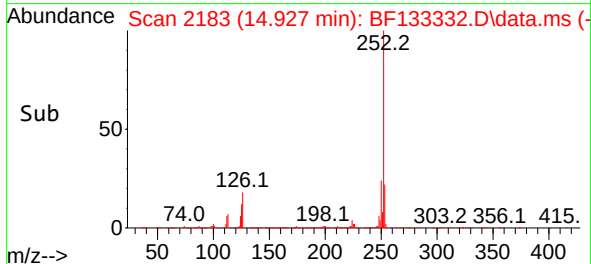
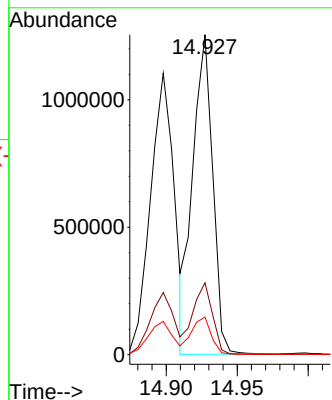
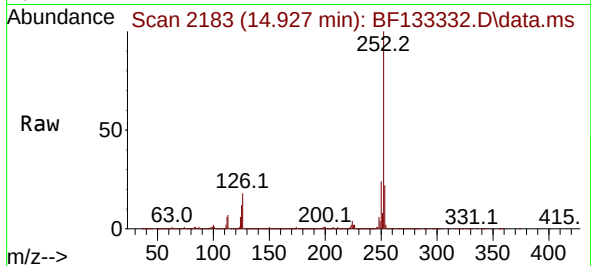




#89
Benzo(k)fluoranthene
Concen: 41.517 ng
RT: 14.927 min Scan# 2184
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

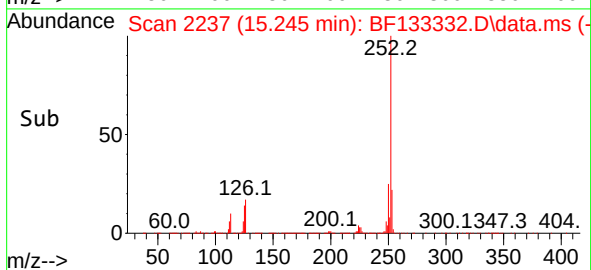
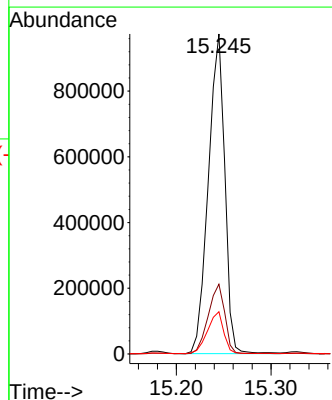
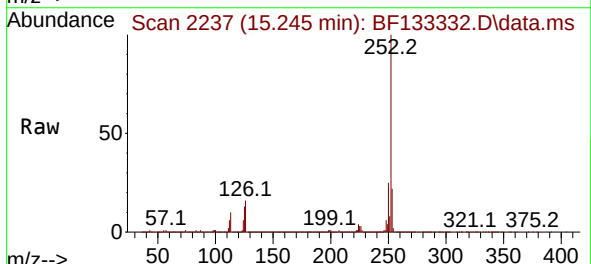
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

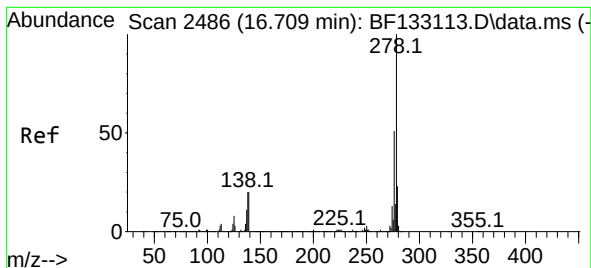
Tgt Ion:252 Resp: 1223877
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 11.7 9.0 13.4



#90
Benzo(a)pyrene
Concen: 43.240 ng
RT: 15.245 min Scan# 2237
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:252 Resp: 1170404
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 13.2 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 57.068 ng

RT: 16.704 min Scan# 2486

Delta R.T. 0.012 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

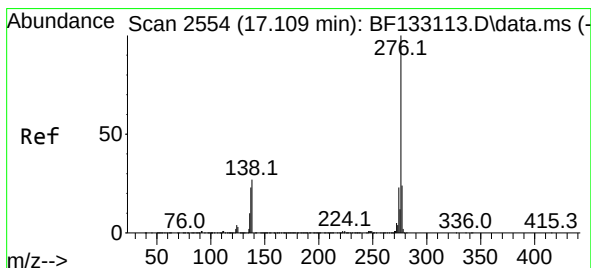
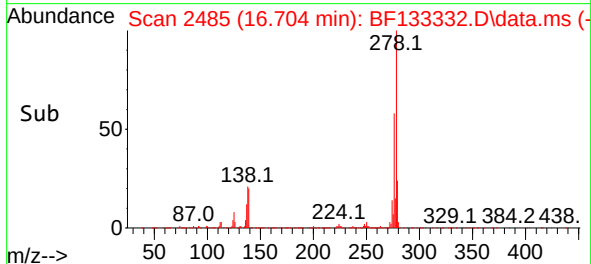
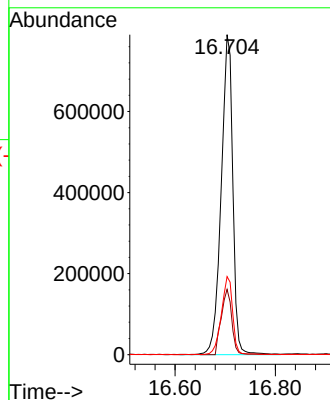
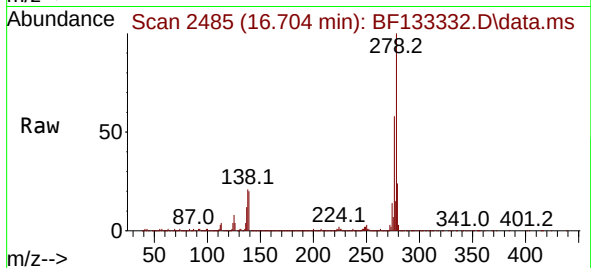
Tgt Ion:278 Resp: 1265570

Ion Ratio Lower Upper

278 100

139 20.4 16.6 24.8

279 24.4 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 58.029 ng

RT: 17.109 min Scan# 2554

Delta R.T. 0.024 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Tgt Ion:276 Resp: 1270491

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.0

138 25.8 22.7 34.1

