

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
 Data File : BF136053.D
 Acq On : 31 Oct 2023 16:03
 Operator : CG\JU
 Sample : 04805-02MSD 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1(0-5)MSD

Quant Time: Oct 31 16:58:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	119465	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	408731	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	174432	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	317080	20.000	ng	0.00
76) Chrysene-d12	14.021	240	285366	20.000	ng	0.00
86) Perylene-d12	15.515	264	267328	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	166402	21.888	ng	0.00
7) Phenol-d6	6.446	99	190295	20.090	ng	-0.01
23) Nitrobenzene-d5	7.381	82	100568	14.832	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	36361	19.530	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	177216	16.195	ng	0.00
79) Terphenyl-d14	12.957	244	217358	11.837	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.581	88	34586	10.447	ng	98
3) Pyridine	3.346	79	79752	8.826	ng	97
4) n-Nitrosodimethylamine	3.281	42	39780	10.529	ng	96
6) Aniline	6.487	93	47053	3.837	ng	98
8) 2-Chlorophenol	6.604	128	87794	10.802	ng	100
9) Benzaldehyde	6.375	77	40304	7.631	ng	98
10) Phenol	6.457	94	108803	11.106	ng	98
11) bis(2-Chloroethyl)ether	6.557	93	86094	11.225	ng	100
12) 1,3-Dichlorobenzene	6.763	146	96238	11.376	ng	99
13) 1,4-Dichlorobenzene	6.840	146	98195	11.583	ng	98
14) 1,2-Dichlorobenzene	6.993	146	91208	11.506	ng	99
15) Benzyl Alcohol	6.957	79	69702	10.378	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.098	45	115994	10.987	ng	100
17) 2-Methylphenol	7.069	107	67180	9.743	ng	98
18) Hexachloroethane	7.334	117	30514	10.241	ng	97
19) n-Nitroso-di-n-propyla...	7.228	70	56943	10.521	ng	97
20) 3+4-Methylphenols	7.222	107	85354	10.152	ng	97
22) Acetophenone	7.228	105	120393	13.284	ng	97
24) Nitrobenzene	7.398	77	78745	11.482	ng	99
25) Isophorone	7.634	82	144740	11.307	ng	98
26) 2-Nitrophenol	7.716	139	36157	11.555	ng	96
27) 2,4-Dimethylphenol	7.751	122	61316	10.370	ng	100
28) bis(2-Chloroethoxy)met...	7.851	93	93702	11.947	ng	99
29) 2,4-Dichlorophenol	7.957	162	60003	10.764	ng	97
30) 1,2,4-Trichlorobenzene	8.045	180	70946	11.667	ng	98
31) Naphthalene	8.128	128	457266	23.200	ng	100
32) Benzoic acid	7.810	122	32789	11.299	ng	97
33) 4-Chloroaniline	8.169	127	43533	5.043	ng	98
34) Hexachlorobutadiene	8.245	225	42676	12.237	ng	95
35) Caprolactam	8.504	113	17440	9.622	ng	# 80
36) 4-Chloro-3-methylphenol	8.645	107	57996	9.910	ng	95
37) 2-Methylnaphthalene	8.816	142	231396	17.509	ng	98
38) 1-Methylnaphthalene	8.916	142	198982	16.179	ng	99
40) 1,2,4,5-Tetrachloroben...	8.981	216	62319	12.527	ng	100
43) 2,4,6-Trichlorophenol	9.092	196	36261	11.179	ng	99
44) 2,4,5-Trichlorophenol	9.128	196	36334	9.670	ng	97

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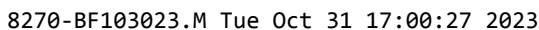
Instrument :
 BNA_F
 ClientSampleId :
 B-1(0-5)MSD

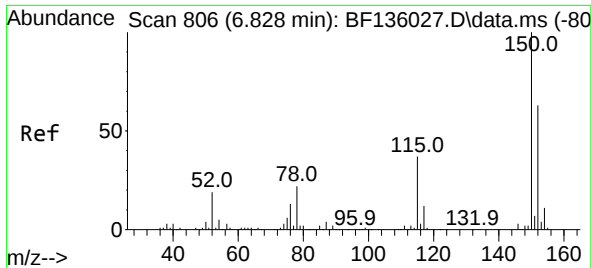
Quant Time: Oct 31 16:58:39 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.281	154	177358	13.338	ng	99
47) 2-Chloronaphthalene	9.304	162	122938	12.541	ng	98
48) 2-Nitroaniline	9.398	65	31440	10.837	ng	99
49) Acenaphthylene	9.722	152	344666	22.538	ng	99
50) Dimethylphthalate	9.581	163	136644	11.876	ng	99
51) 2,6-Dinitrotoluene	9.639	165	27126	11.023	ng	91
52) Acenaphthene	9.892	154	231517	23.815	ng	99
53) 3-Nitroaniline	9.810	138	24692	8.599	ng	98
54) 2,4-Dinitrophenol	9.916	184	1933	9.282	ng #	65
55) Dibenzofuran	10.069	168	290362	20.483	ng	99
56) 4-Nitrophenol	9.963	139	44872	20.892	ng	89
57) 2,4-Dinitrotoluene	10.045	165	32267	10.363	ng #	94
58) Fluorene	10.410	166	356581	33.597	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.181	232	28947	9.691	ng #	78
60) Diethylphthalate	10.286	149	124947	11.366	ng	98
61) 4-Chlorophenyl-phenyle...	10.404	204	60484	11.416	ng	96
62) 4-Nitroaniline	10.416	138	28767	10.404	ng	92
63) Azobenzene	10.563	77	110887	10.474	ng	88
65) 4,6-Dinitro-2-methylph...	10.451	198	2099	6.850	ng #	40
66) n-Nitrosodiphenylamine	10.522	169	114216	11.941	ng	98
67) 4-Bromophenyl-phenylether	10.898	248	36015	10.834	ng	92
68) Hexachlorobenzene	10.957	284	39612	11.157	ng #	89
69) Atrazine	11.057	200	36486	14.020	ng	98
70) Pentachlorophenol	11.157	266	40283	17.667	ng	96
71) Phenanthrene	11.386	178	1588472	99.497	ng	99
72) Anthracene	11.433	178	715089	43.711	ng	100
73) Carbazole	11.586	167	235654	16.577	ng	99
74) Di-n-butylphthalate	11.928	149	199858	12.303	ng	98
75) Fluoranthene	12.586	202	2555190	155.794	ng	99
77) Benzidine	12.704	184	21661	3.894	ng #	86
78) Pyrene	12.816	202	2399004	95.353	ng	99
80) Butylbenzylphthalate	13.439	149	94968	10.545	ng	99
81) Benzo(a)anthracene	14.016	228	1502758	79.544	ng	97
82) 3,3'-Dichlorobenzidine	13.974	252	61289	10.164	ng #	97
83) Chrysene	14.051	228	1327358	71.343	ng	98
84) Bis(2-ethylhexyl)phtha...	14.010	149	124398	11.856	ng	100
85) Di-n-octyl phthalate	14.633	149	242017	15.397	ng #	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	681168	38.987	ng	97
88) Benzo(b)fluoranthene	15.086	252	2371964	149.951	ng	97
89) Benzo(k)fluoranthene	15.086	252	2371964	151.550	ng	97
90) Benzo(a)pyrene	15.463	252	1216086	82.740	ng	97
91) Dibenzo(a,h)anthracene	17.057	278	253017	17.679	ng	95
92) Benzo(g,h,i)perylene	17.504	276	589997	36.921	ng	99

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

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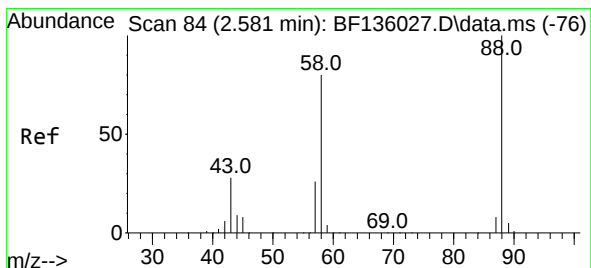
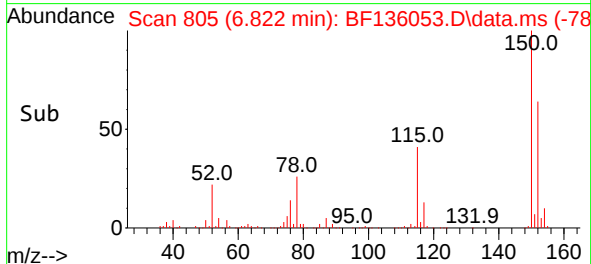
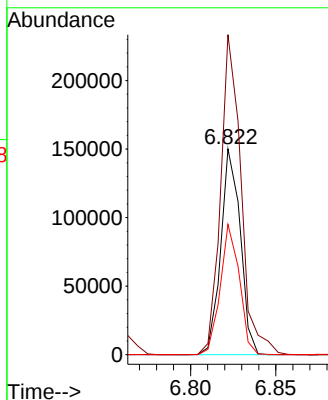
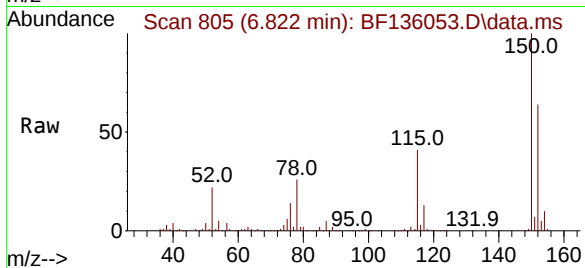




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF136053.D
 Acq: 31 Oct 2023 16:03

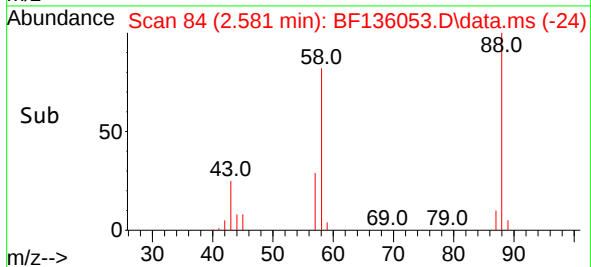
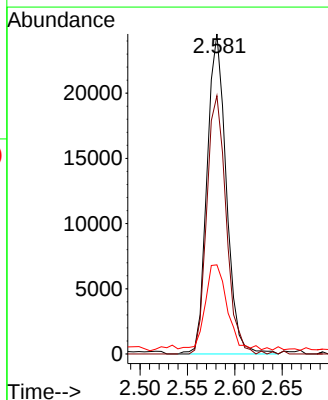
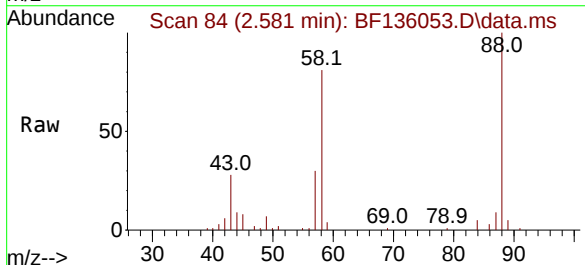
Instrument :
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 B-1(0-5)MSD

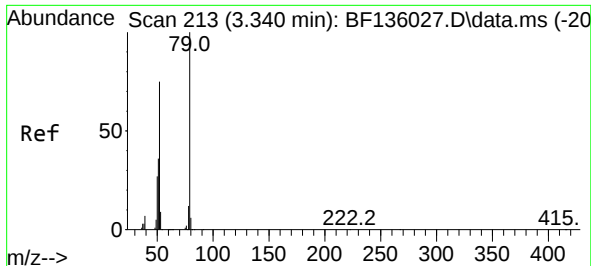
Tgt Ion:152 Resp: 119465
 Ion Ratio Lower Upper
 152 100
 150 155.6 126.4 189.6
 115 63.3 47.0 70.4



#2
 1,4-Dioxane
 Concen: 10.447 ng
 RT: 2.581 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: BF136053.D
 Acq: 31 Oct 2023 16:03

Tgt Ion: 88 Resp: 34586
 Ion Ratio Lower Upper
 88 100
 58 81.3 64.3 96.5
 43 30.1 22.3 33.5

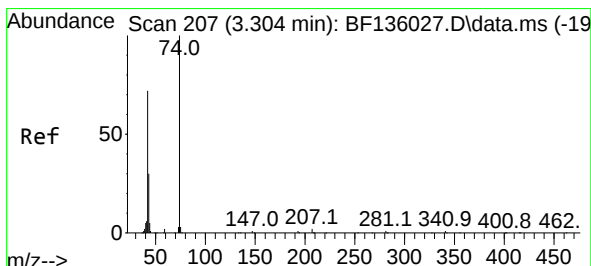
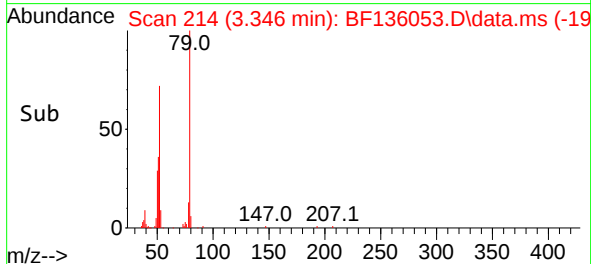
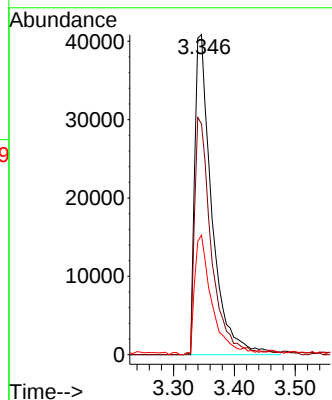
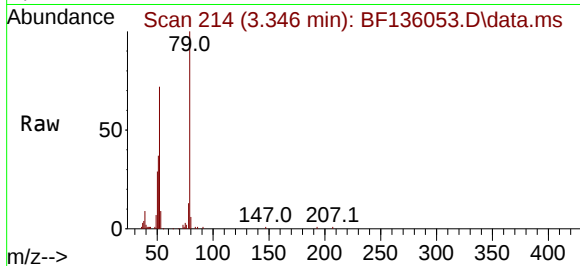




#3
Pyridine
Concen: 8.826 ng
RT: 3.346 min Scan# 213
Delta R.T. 0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

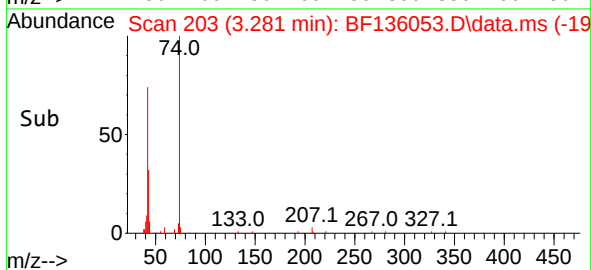
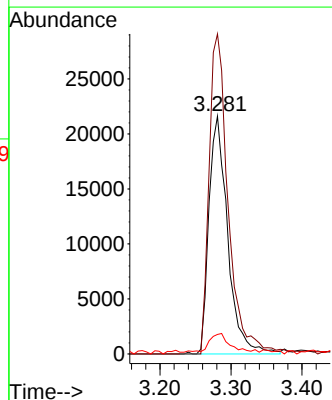
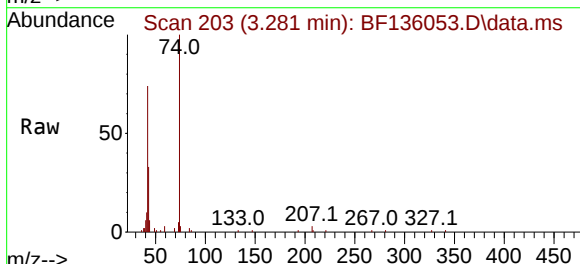
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

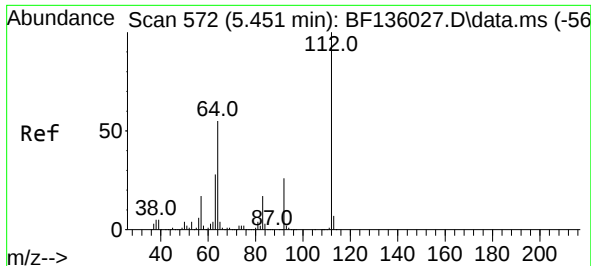
Tgt Ion: 79 Resp: 79752
Ion Ratio Lower Upper
79 100
52 72.2 60.3 90.5
51 37.4 29.3 43.9



#4
n-Nitrosodimethylamine
Concen: 10.529 ng
RT: 3.281 min Scan# 203
Delta R.T. -0.023 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion: 42 Resp: 39780
Ion Ratio Lower Upper
42 100
74 134.6 111.8 167.6
44 8.2 6.2 9.4

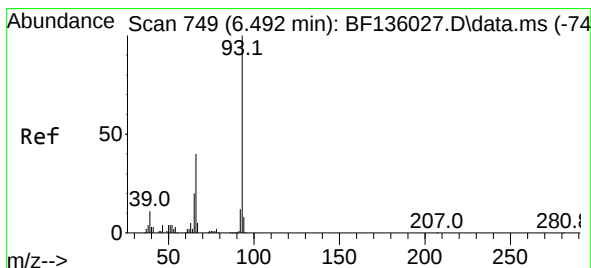
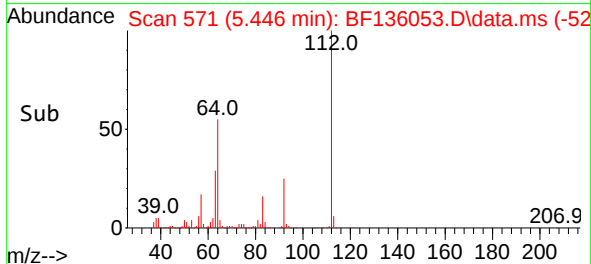
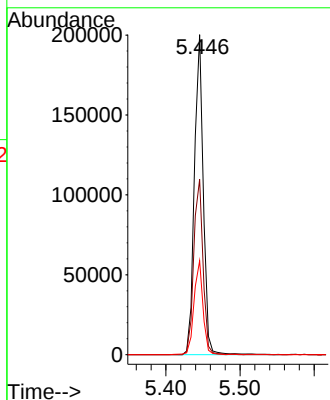
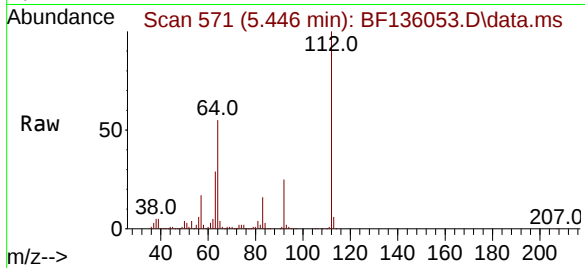




#5
2-Fluorophenol
Concen: 21.888 ng
RT: 5.446 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

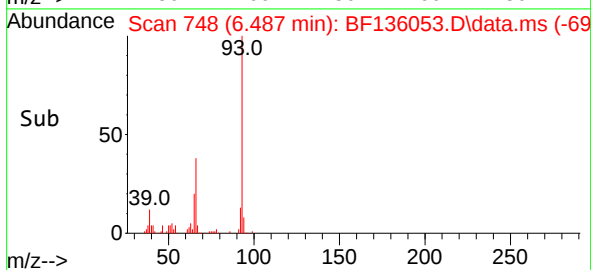
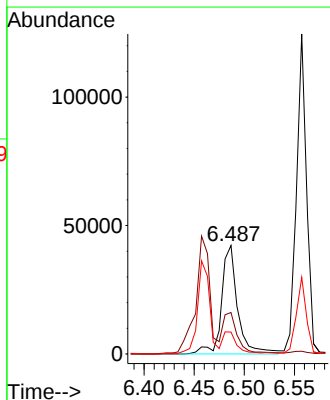
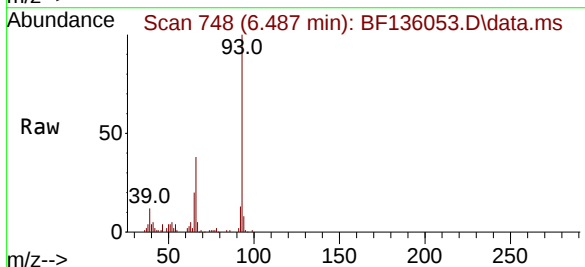
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

Tgt Ion:112 Resp: 166402
Ion Ratio Lower Upper
112 100
64 54.8 43.9 65.9
63 29.3 22.4 33.6



#6
Aniline
Concen: 3.837 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion: 93 Resp: 47053
Ion Ratio Lower Upper
93 100
66 38.3 32.4 48.6
65 20.3 16.2 24.2

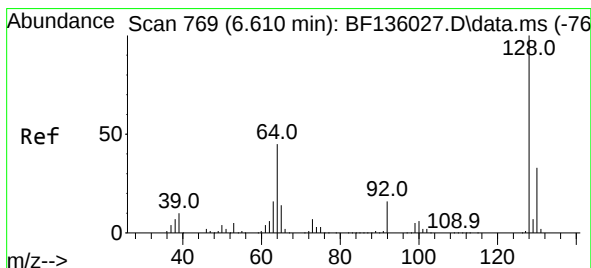
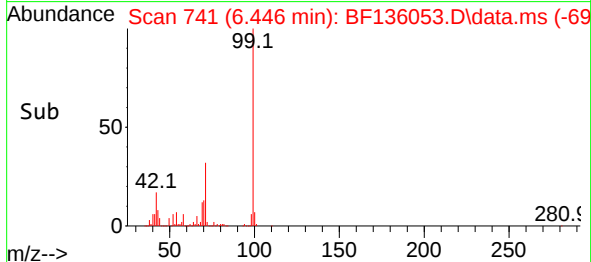
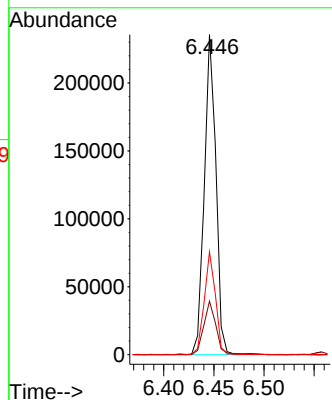
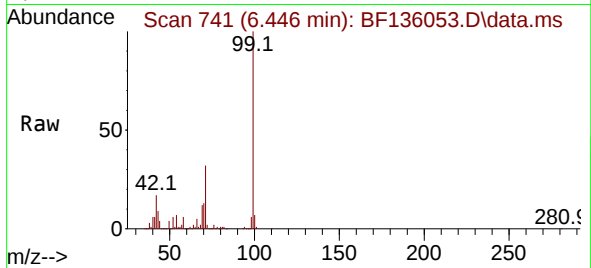




#7
Phenol-d6
Concen: 20.090 ng
RT: 6.446 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

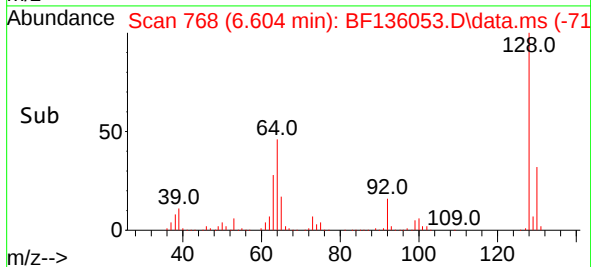
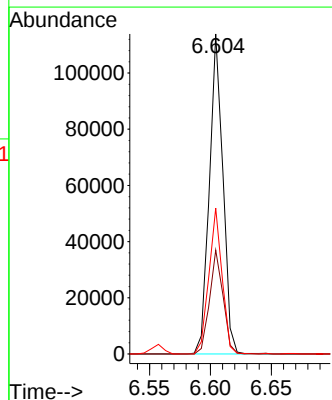
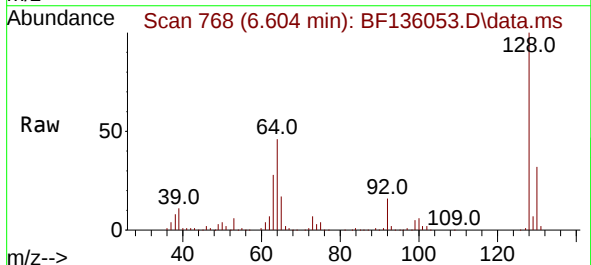
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

Tgt Ion: 99 Resp: 190295
Ion Ratio Lower Upper
99 100
42 16.7 13.7 20.5
71 32.1 25.9 38.9



#8
2-Chlorophenol
Concen: 10.802 ng
RT: 6.604 min Scan# 768
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion:128 Resp: 87794
Ion Ratio Lower Upper
128 100
130 32.5 12.8 52.8
64 45.6 25.8 65.8





#9

Benzaldehyde

Concen: 7.631 ng

RT: 6.375 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

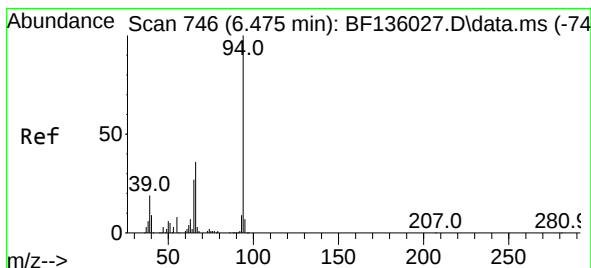
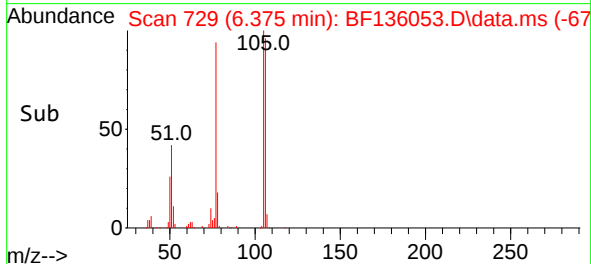
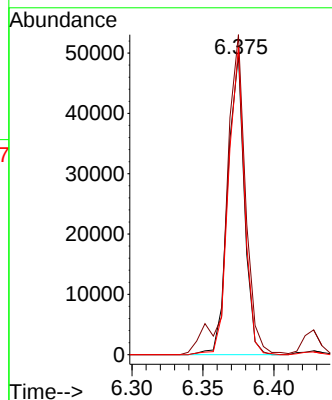
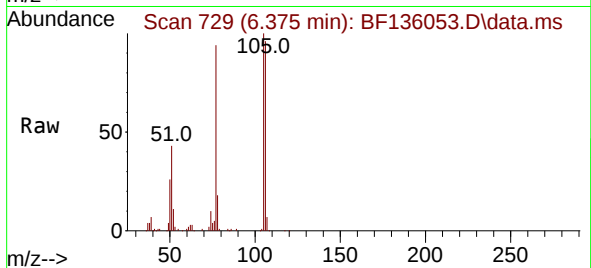
Tgt Ion: 77 Resp: 40304

Ion Ratio Lower Upper

77 100

105 106.7 85.7 125.7

106 102.5 79.8 119.8



#10

Phenol

Concen: 11.106 ng

RT: 6.457 min Scan# 743

Delta R.T. -0.017 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

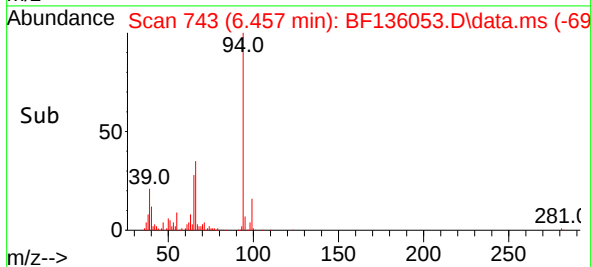
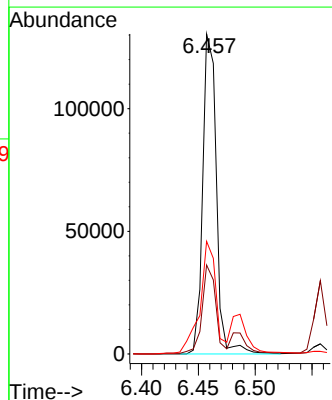
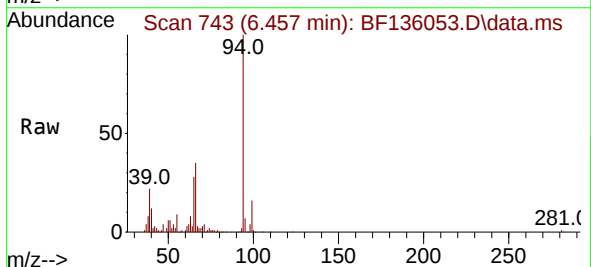
Tgt Ion: 94 Resp: 108803

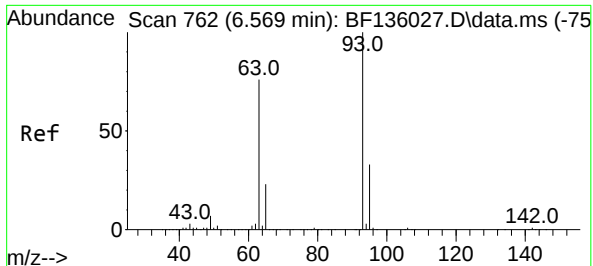
Ion Ratio Lower Upper

94 100

65 27.8 7.5 47.5

66 35.2 17.1 57.1

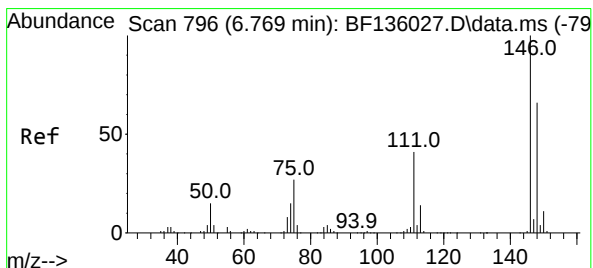
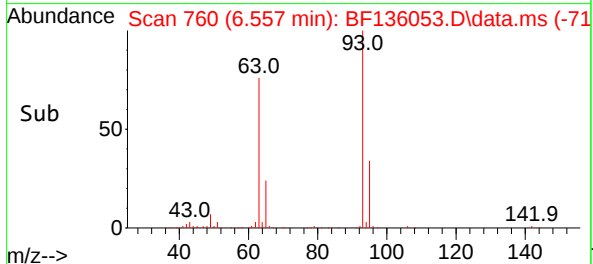
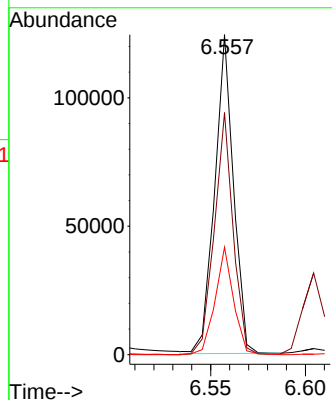
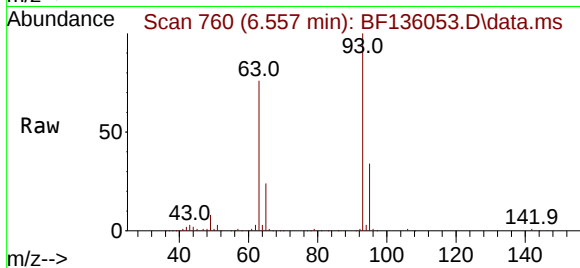




#11
bis(2-Chloroethyl)ether
Concen: 11.225 ng
RT: 6.557 min Scan# 760
Delta R.T. -0.012 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

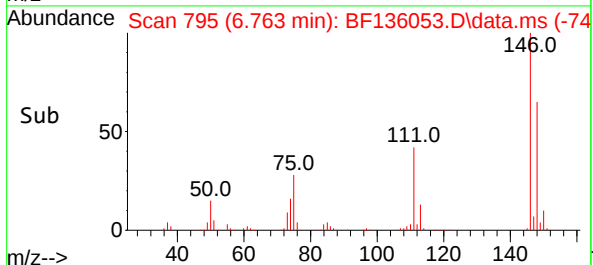
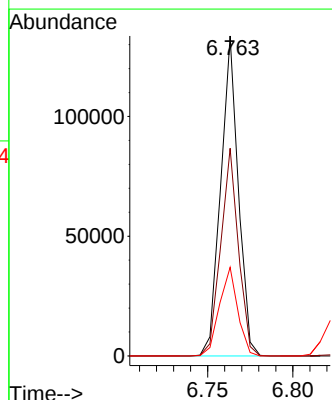
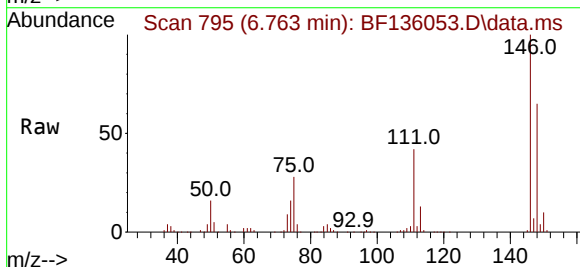
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

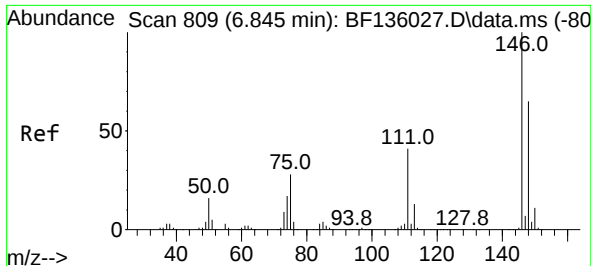
Tgt Ion: 93 Resp: 86094
Ion Ratio Lower Upper
93 100
63 75.7 55.8 95.8
95 33.6 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 11.376 ng
RT: 6.763 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion: 146 Resp: 96238
Ion Ratio Lower Upper
146 100
148 64.9 52.6 78.8
75 27.7 21.6 32.4





#13

1,4-Dichlorobenzene

Concen: 11.583 ng

RT: 6.840 min Scan# 809

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

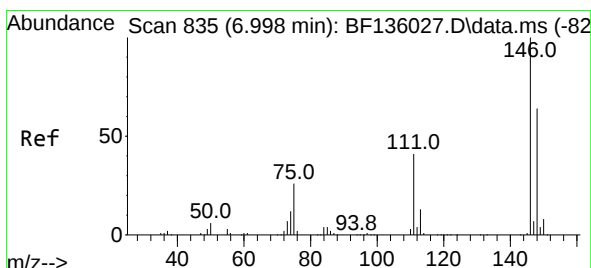
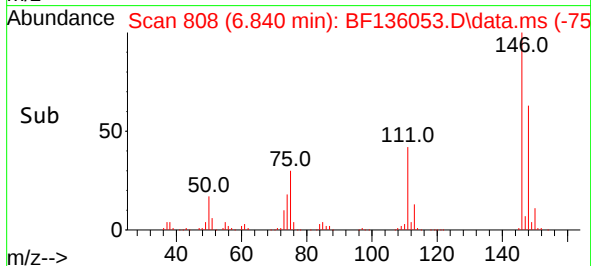
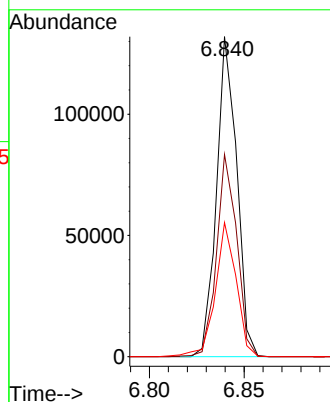
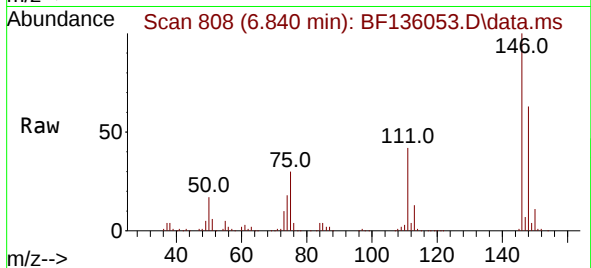
Tgt Ion:146 Resp: 98195

Ion Ratio Lower Upper

146 100

148 63.2 52.1 78.1

111 41.9 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 11.506 ng

RT: 6.993 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

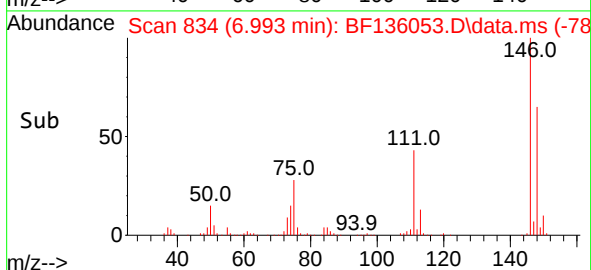
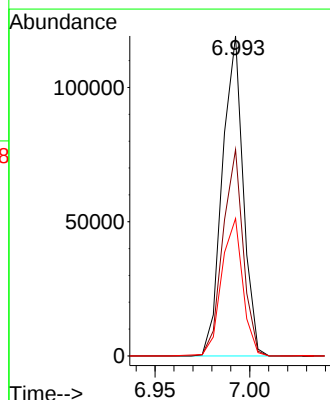
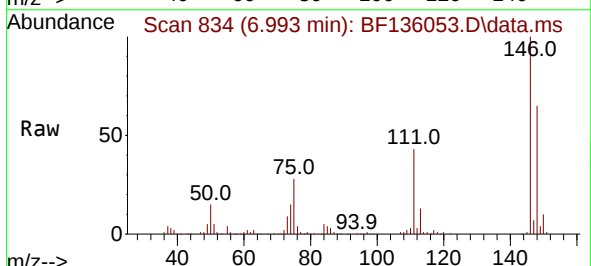
Tgt Ion:146 Resp: 91208

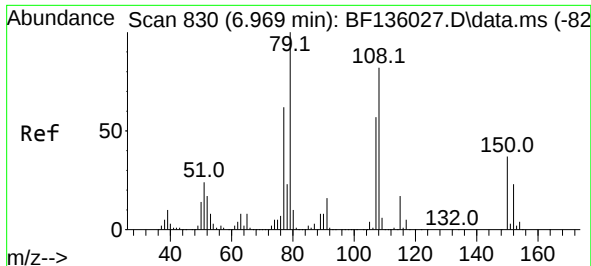
Ion Ratio Lower Upper

146 100

148 64.5 51.4 77.2

111 43.0 33.0 49.4

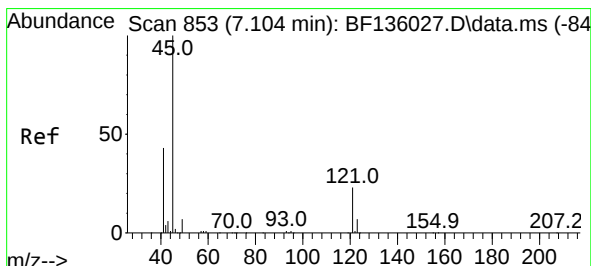
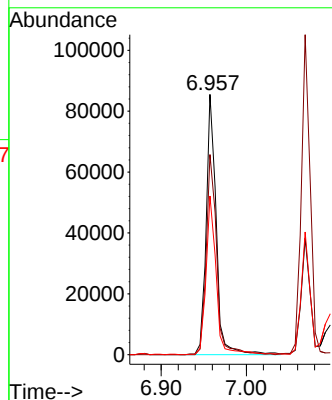
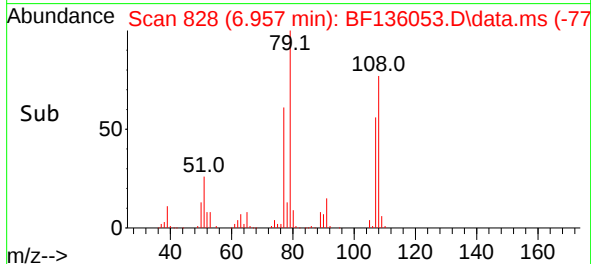
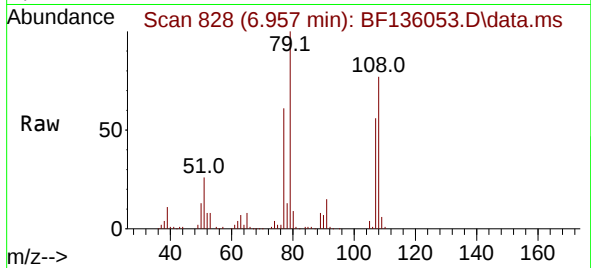




#15
Benzyl Alcohol
Concen: 10.378 ng
RT: 6.957 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

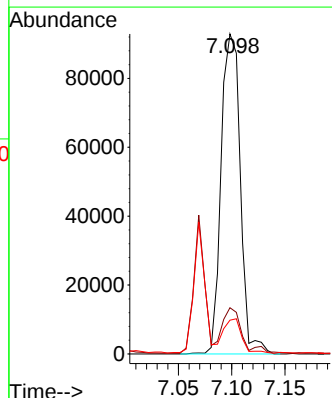
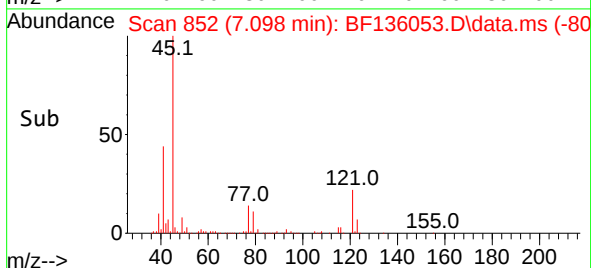
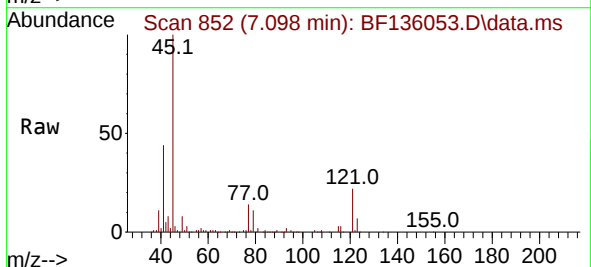
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

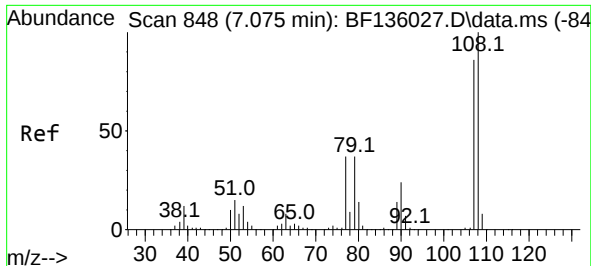
Tgt Ion: 79 Resp: 69702
Ion Ratio Lower Upper
79 100
108 76.9 65.9 98.9
77 61.0 49.4 74.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.987 ng
RT: 7.098 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion: 45 Resp: 115994
Ion Ratio Lower Upper
45 100
77 14.5 0.0 34.6
79 10.5 0.0 30.6

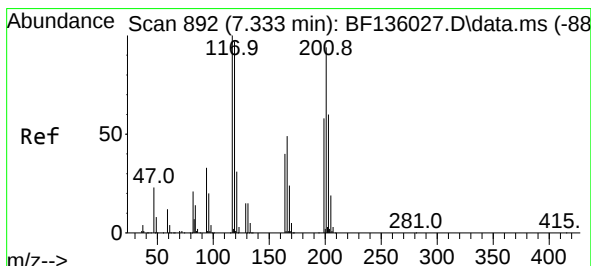
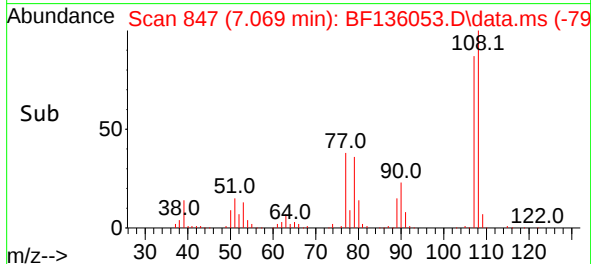
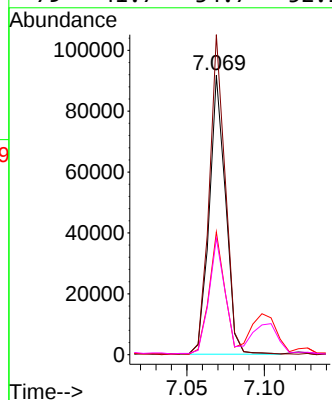
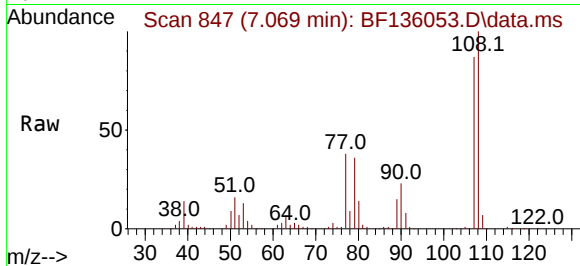




#17
2-Methylphenol
Concen: 9.743 ng
RT: 7.069 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

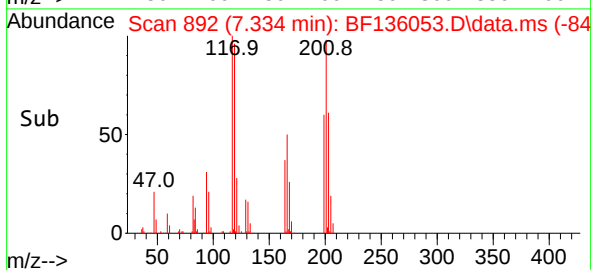
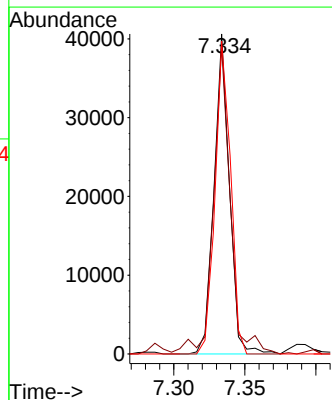
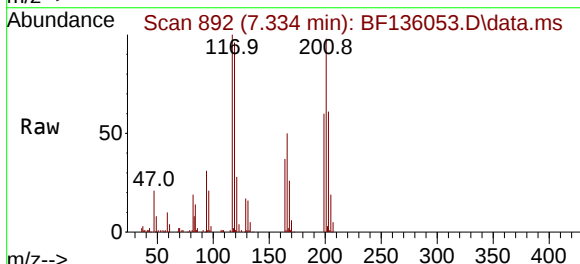
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

Tgt Ion:	107	Resp:	67180
Ion	Ratio	Lower	Upper
107	100		
108	114.5	93.4	140.2
77	43.9	34.4	51.6
79	41.7	34.7	52.1



#18
Hexachloroethane
Concen: 10.241 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion:	117	Resp:	30514
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.7	116.5
201	97.8	75.0	112.6

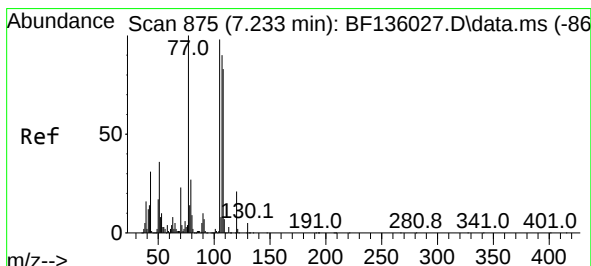
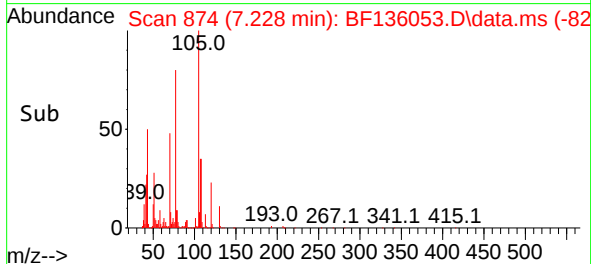
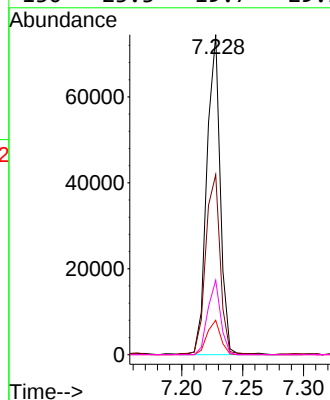
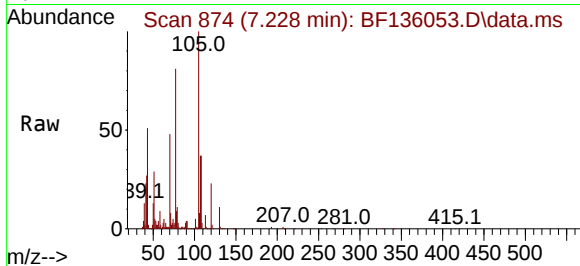




#19
n-Nitroso-di-n-propylamine
Concen: 10.521 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.017 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

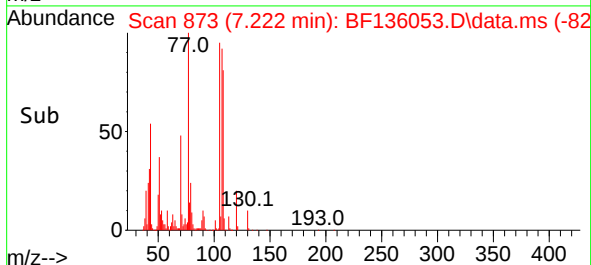
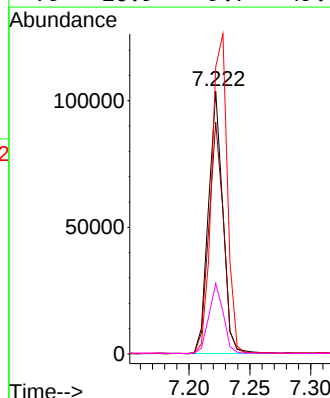
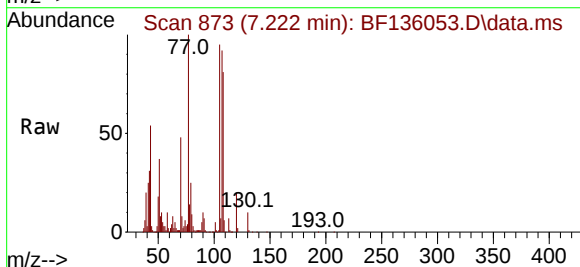
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

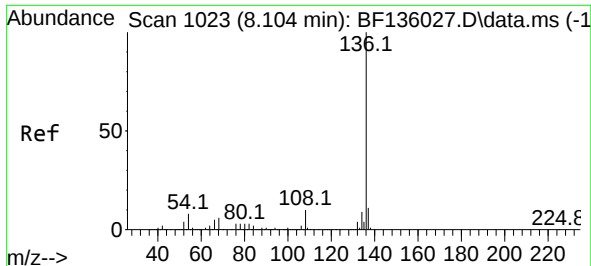
Tgt Ion: 70	Resp: 56943
Ion Ratio	Lower Upper
70 100	
42 56.3	43.0 64.4
101 10.8	8.0 12.0
130 23.3	19.7 29.5



#20
3+4-Methylphenols
Concen: 10.152 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt	Ion:107	Resp:	85354
Ion	Ratio	Lower	Upper
107	100		
108	88.3	72.3	112.3
77	109.2	91.4	131.4
79	26.9	9.7	49.7

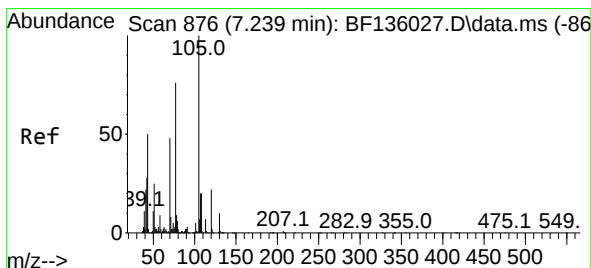
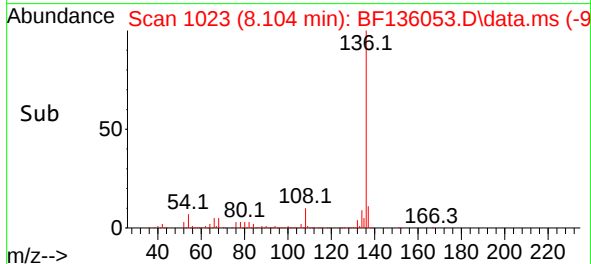
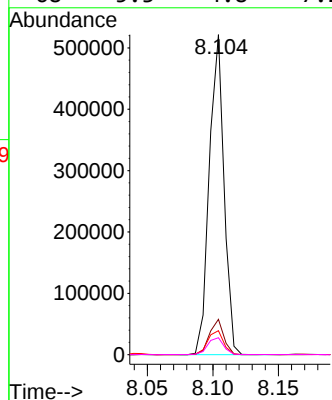
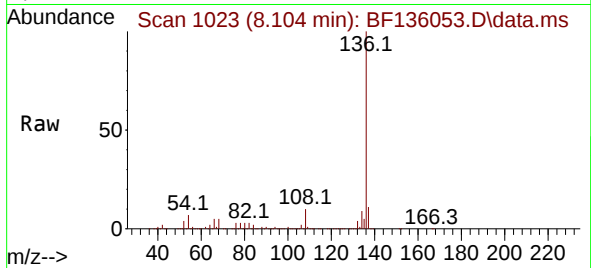




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

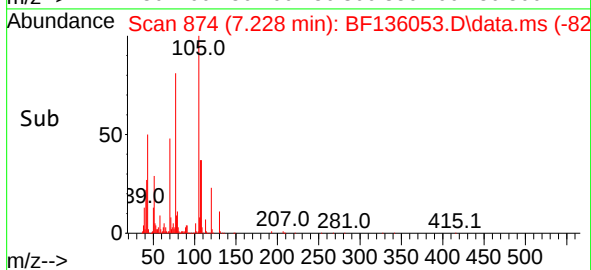
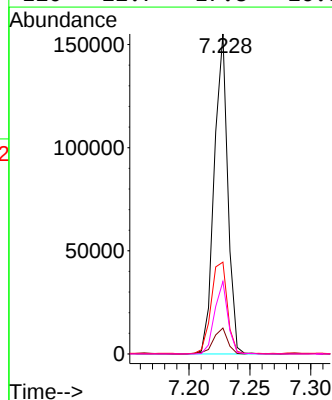
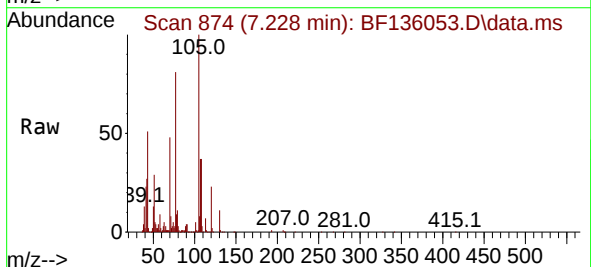
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

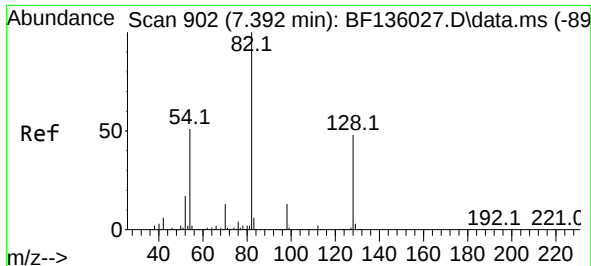
Tgt Ion:136 Resp: 408731
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.5 6.6 9.8
68 5.3 4.8 7.2



#22
Acetophenone
Concen: 13.284 ng
RT: 7.228 min Scan# 874
Delta R.T. -0.012 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion:105 Resp: 120393
Ion Ratio Lower Upper
105 100
71 8.1 6.5 9.7
51 28.7 20.3 30.5
120 22.7 17.8 26.8





#23

Nitrobenzene-d5

Concen: 14.832 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

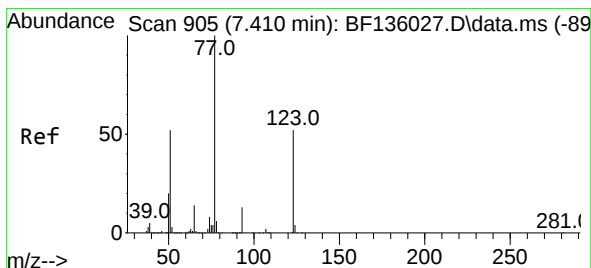
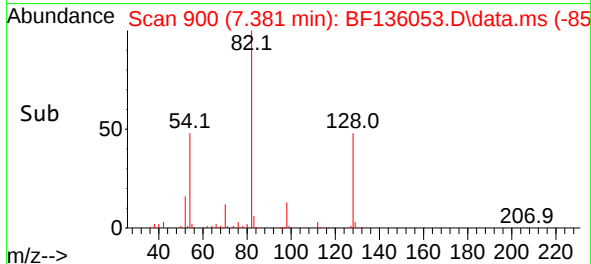
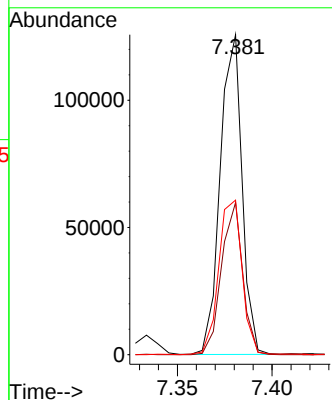
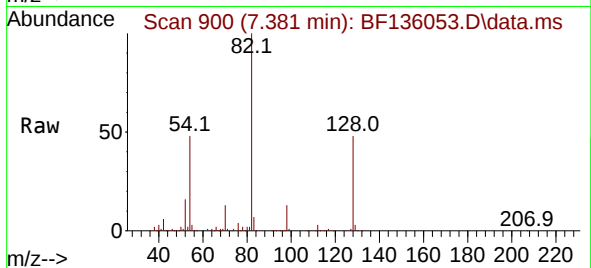
Tgt Ion: 82 Resp: 100568

Ion Ratio Lower Upper

82 100

128 47.6 38.6 57.8

54 48.3 40.8 61.2



#24

Nitrobenzene

Concen: 11.482 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

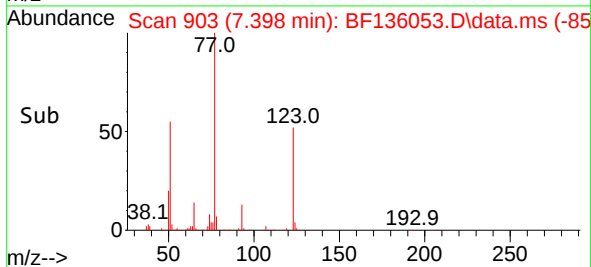
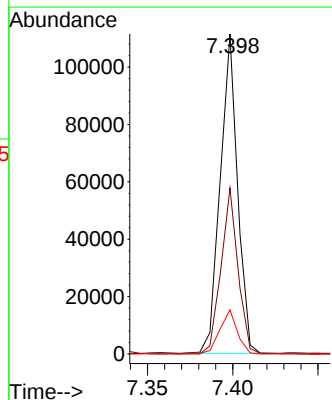
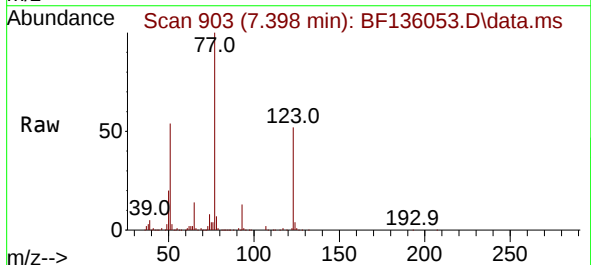
Tgt Ion: 77 Resp: 78745

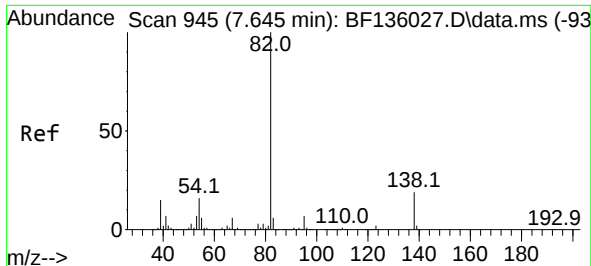
Ion Ratio Lower Upper

77 100

123 51.8 42.3 63.5

65 13.8 11.0 16.6

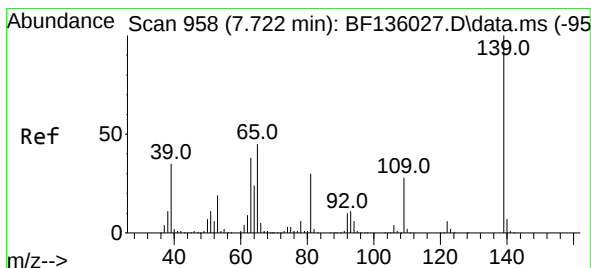
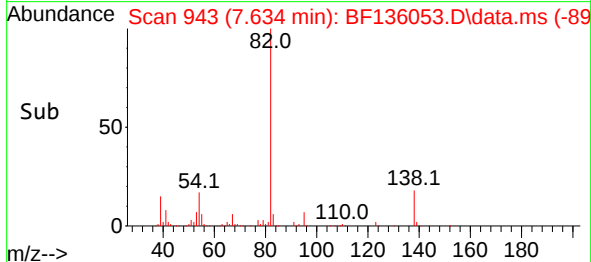
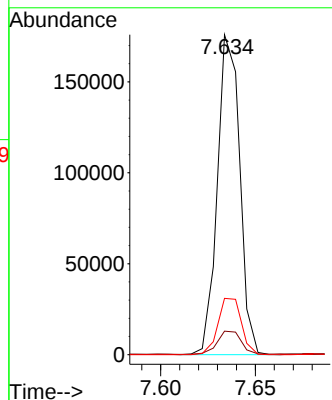
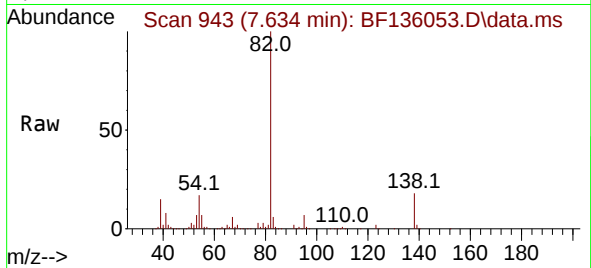




#25
Isophorone
Concen: 11.307 ng
RT: 7.634 min Scan# 945
Delta R.T. -0.012 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

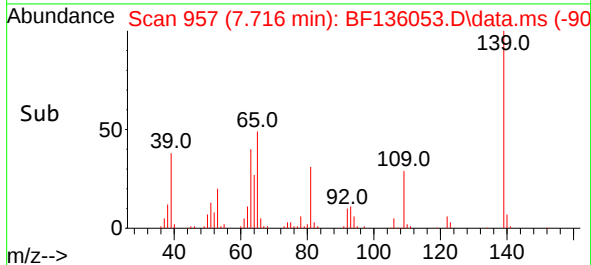
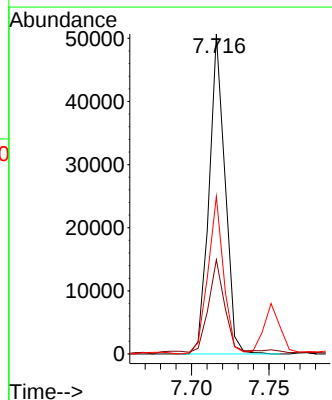
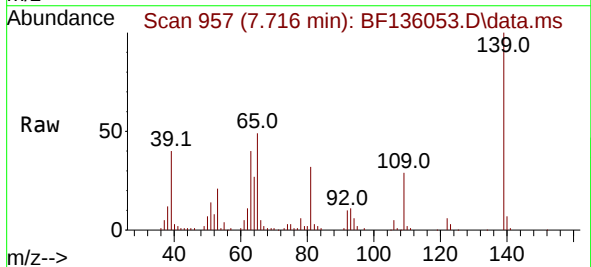
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

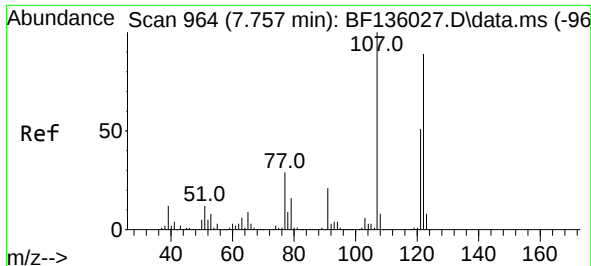
Tgt Ion: 82 Resp: 144740
Ion Ratio Lower Upper
82 100
95 7.3 5.9 8.9
138 17.6 15.3 22.9



#26
2-Nitrophenol
Concen: 11.555 ng
RT: 7.716 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion:139 Resp: 36157
Ion Ratio Lower Upper
139 100
109 29.4 22.6 34.0
65 49.2 36.3 54.5





#27

2,4-Dimethylphenol

Concen: 10.370 ng

RT: 7.751 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

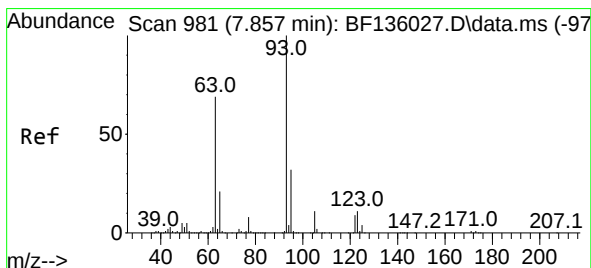
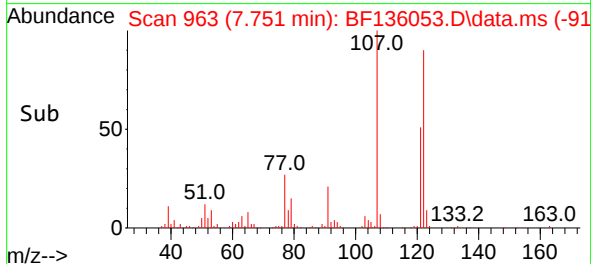
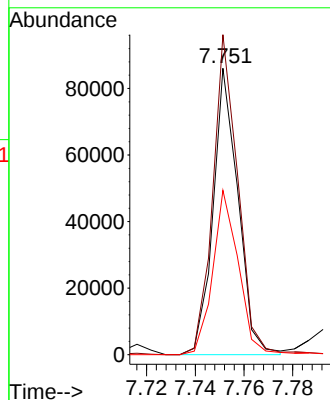
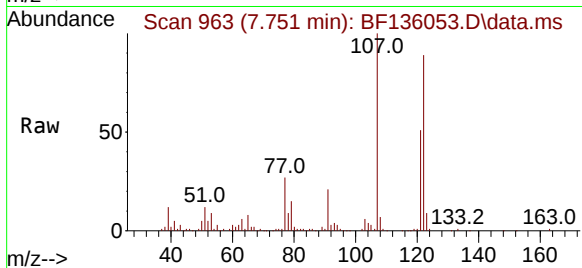
Tgt Ion:122 Resp: 61316

Ion Ratio Lower Upper

122 100

107 111.8 89.6 134.4

121 57.4 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 11.947 ng

RT: 7.851 min Scan# 980

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

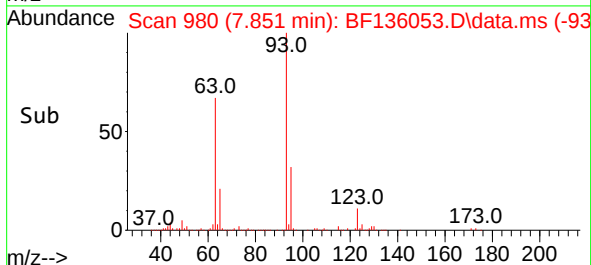
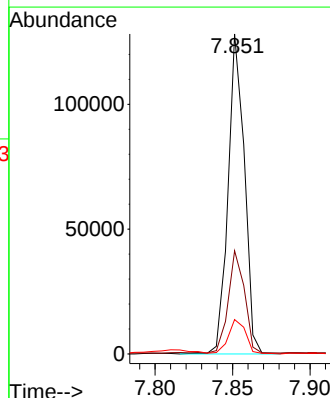
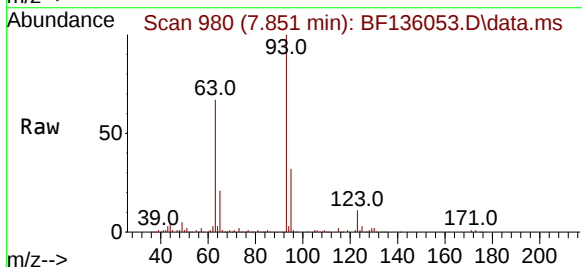
Tgt Ion: 93 Resp: 93702

Ion Ratio Lower Upper

93 100

95 32.3 25.7 38.5

123 10.7 9.1 13.7

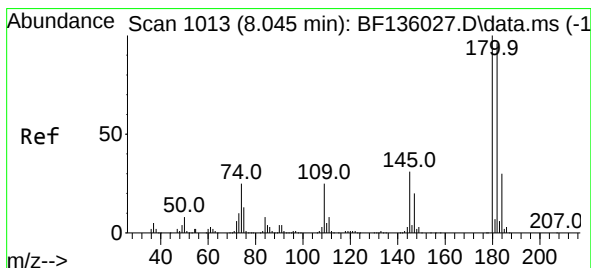
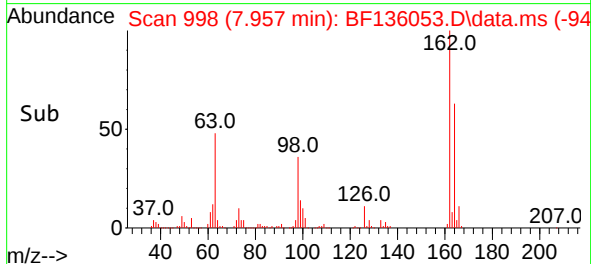
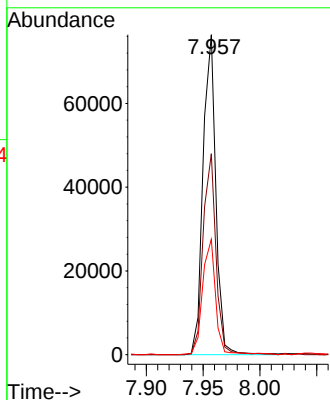
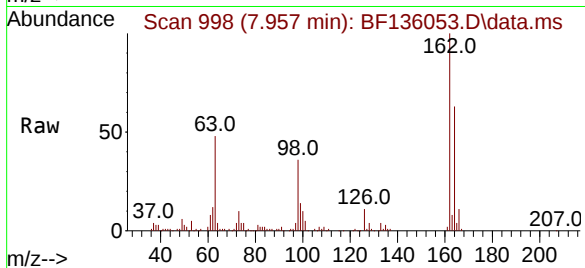




#29
2,4-Dichlorophenol
Concen: 10.764 ng
RT: 7.957 min Scan# 999
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

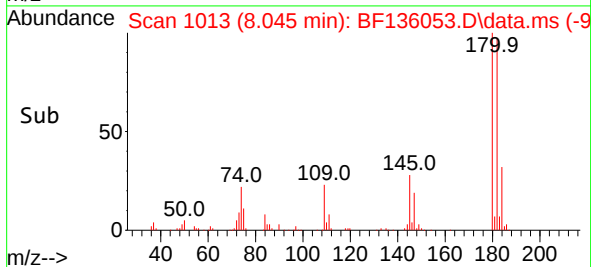
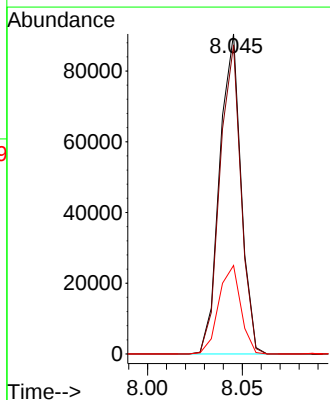
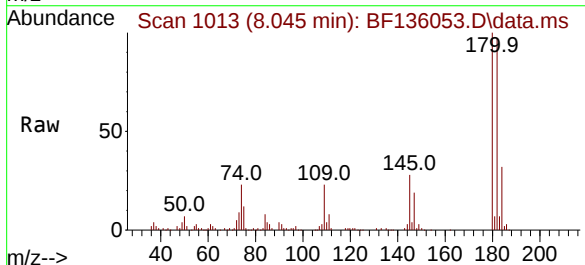
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

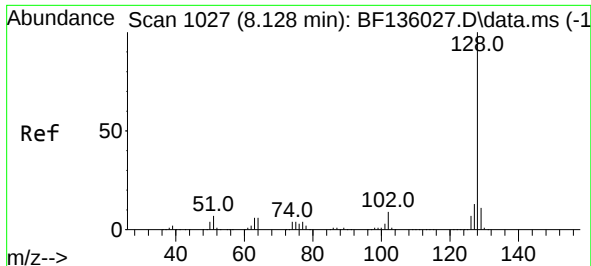
Tgt Ion:162 Resp: 60003
Ion Ratio Lower Upper
162 100
164 62.8 45.5 85.5
98 36.1 14.4 54.4



#30
1,2,4-Trichlorobenzene
Concen: 11.667 ng
RT: 8.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

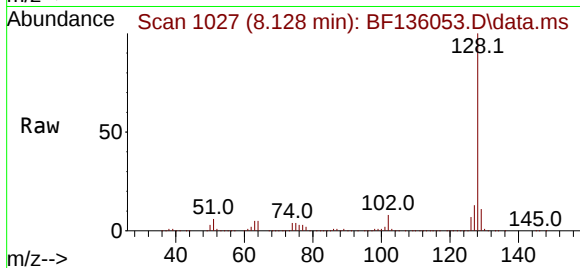
Tgt Ion:180 Resp: 70946
Ion Ratio Lower Upper
180 100
182 96.6 76.9 115.3
145 27.7 24.7 37.1



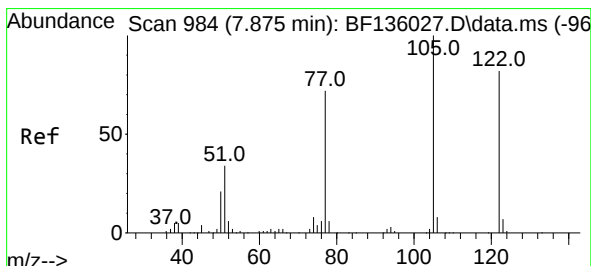
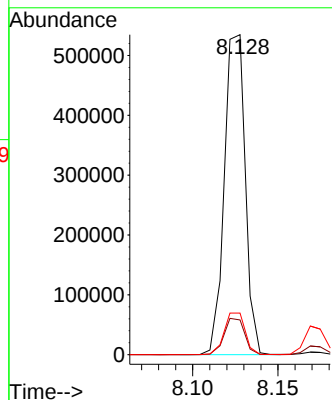
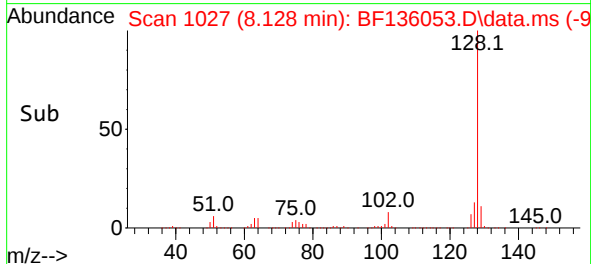


#31
Naphthalene
Concen: 23.200 ng
RT: 8.128 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

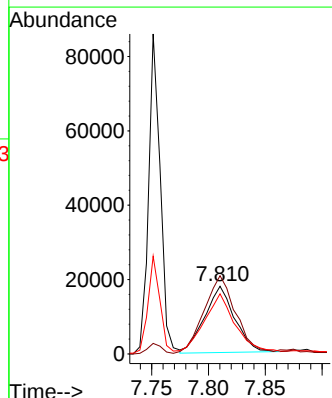
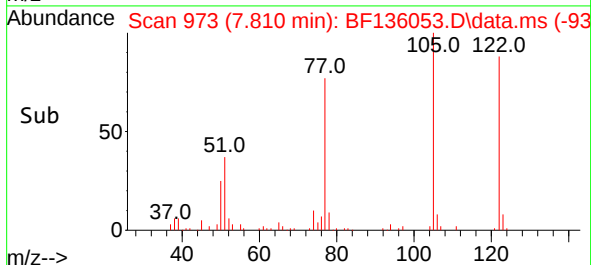
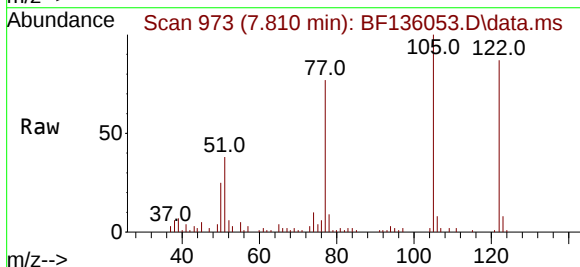


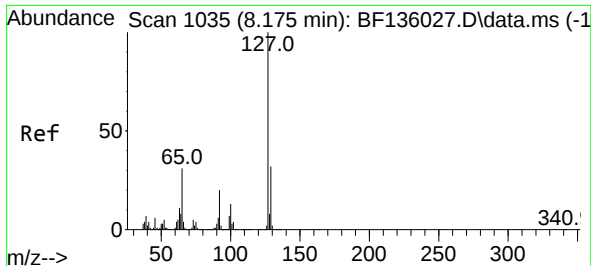
Tgt Ion:128 Resp: 457266
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.0 10.5 15.7



#32
Benzoic acid
Concen: 11.299 ng
RT: 7.810 min Scan# 973
Delta R.T. -0.065 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion:122 Resp: 32789
Ion Ratio Lower Upper
122 100
105 115.5 99.5 139.5
77 88.9 66.8 106.8

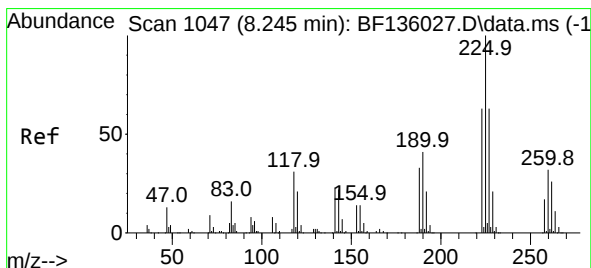
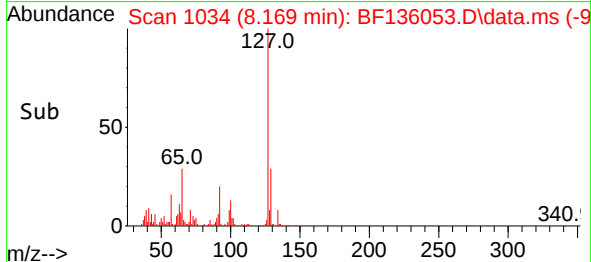
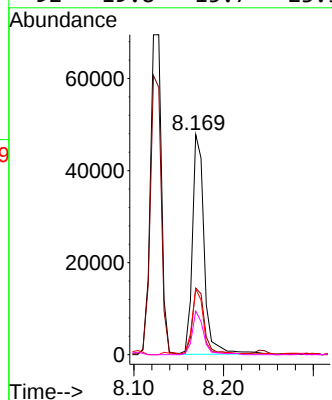
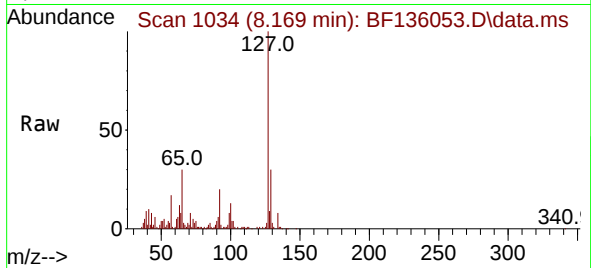




#33
4-Chloroaniline
Concen: 5.043 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

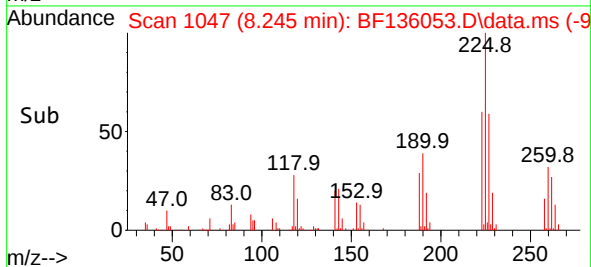
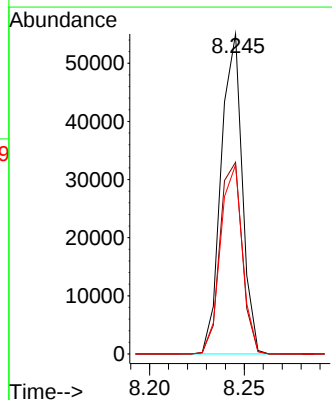
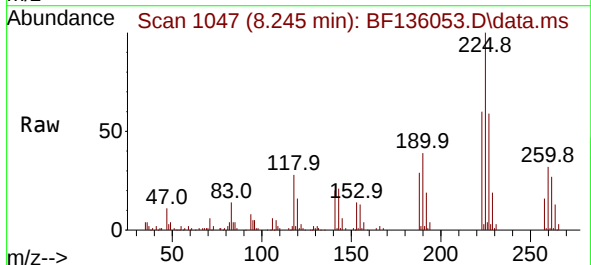
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

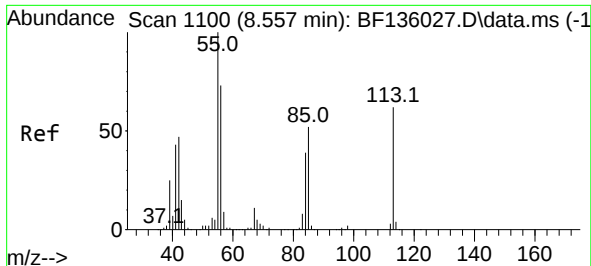
Tgt Ion:	127	Resp:	43533
Ion	Ratio	Lower	Upper
127	100		
129	30.2	25.9	38.9
65	29.9	24.6	37.0
92	19.8	15.7	23.5



#34
Hexachlorobutadiene
Concen: 12.237 ng
RT: 8.245 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion:	225	Resp:	42676
Ion	Ratio	Lower	Upper
225	100		
223	59.9	50.3	75.5
227	59.1	50.6	75.8

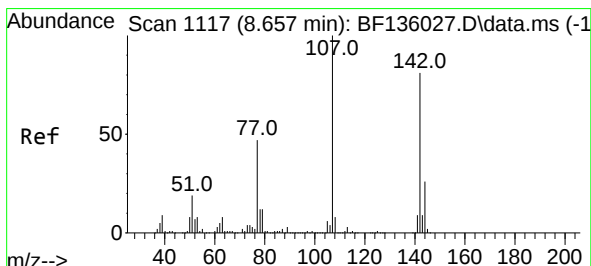
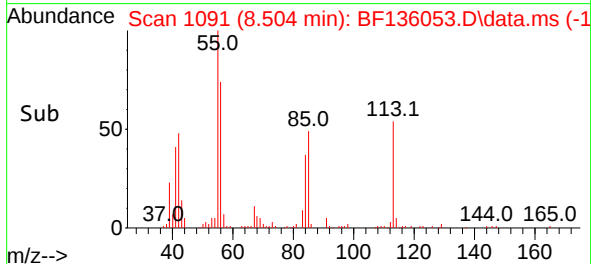
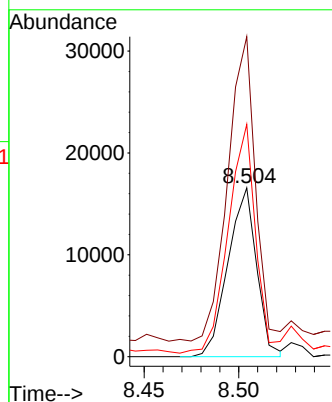
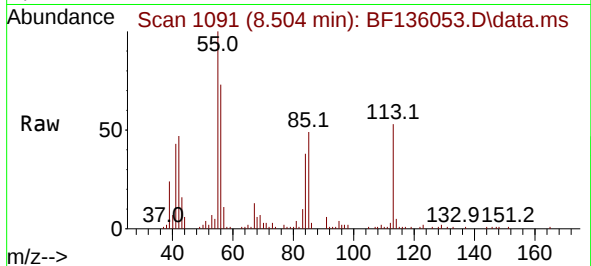




#35
 Caprolactam
 Concen: 9.622 ng
 RT: 8.504 min Scan# 1100
 Delta R.T. -0.053 min
 Lab File: BF136053.D
 Acq: 31 Oct 2023 16:03

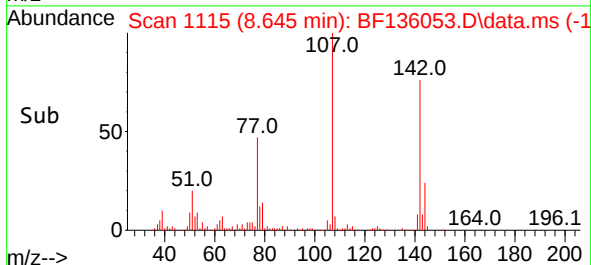
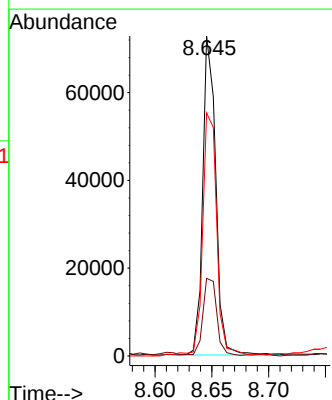
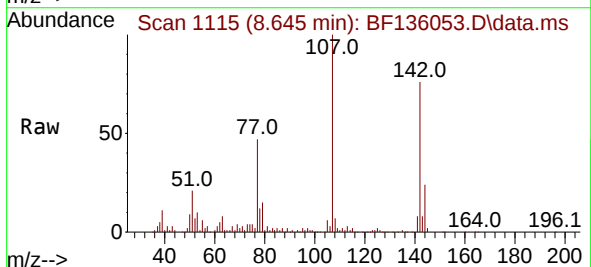
Instrument :
 BNA_F
 ClientSampleId :
 B-1(0-5)MSD

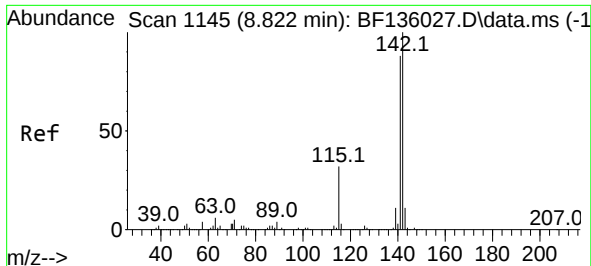
Tgt Ion:113 Resp: 17440
 Ion Ratio Lower Upper
 113 100
 55 189.5 142.2 182.2#
 56 137.6 97.7 137.7



#36
 4-Chloro-3-methylphenol
 Concen: 9.910 ng
 RT: 8.645 min Scan# 1115
 Delta R.T. -0.012 min
 Lab File: BF136053.D
 Acq: 31 Oct 2023 16:03

Tgt Ion:107 Resp: 57996
 Ion Ratio Lower Upper
 107 100
 144 24.2 20.6 31.0
 142 76.0 64.6 97.0





#37

2-Methylnaphthalene

Concen: 17.509 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

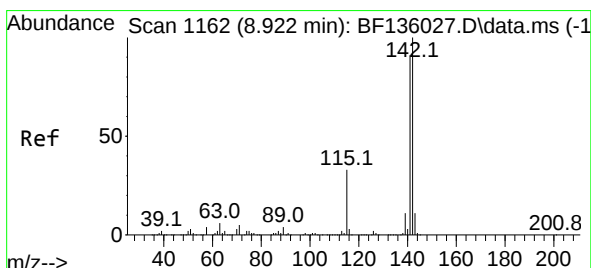
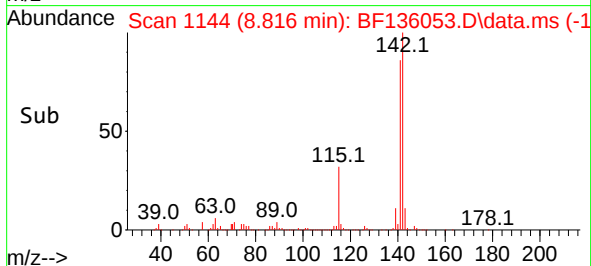
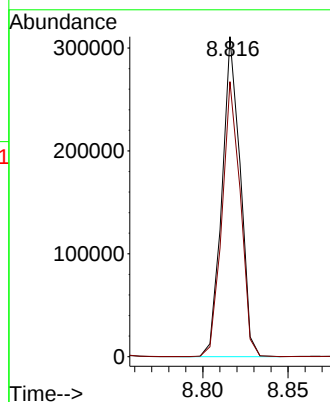
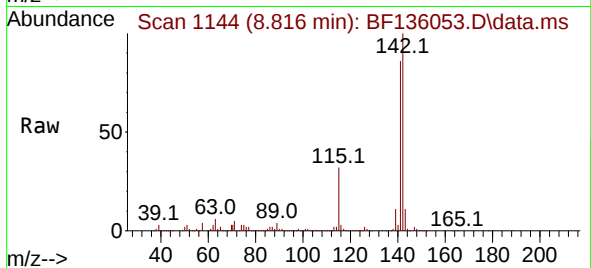
B-1(0-5)MSD

Tgt Ion:142 Resp: 231396

Ion Ratio Lower Upper

142 100

141 85.9 70.4 105.6



#38

1-Methylnaphthalene

Concen: 16.179 ng

RT: 8.916 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF136053.D

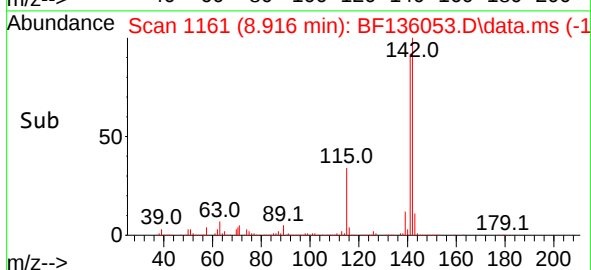
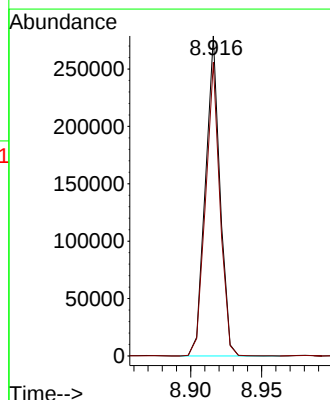
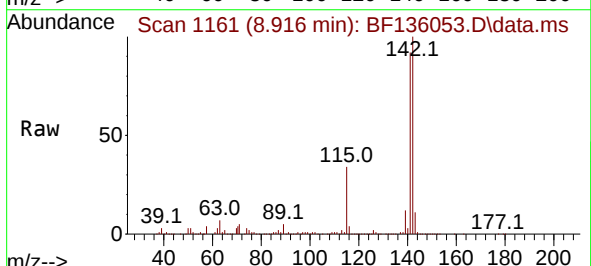
Acq: 31 Oct 2023 16:03

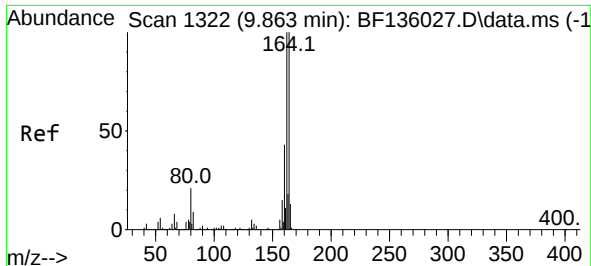
Tgt Ion:142 Resp: 198982

Ion Ratio Lower Upper

142 100

141 91.7 72.6 109.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

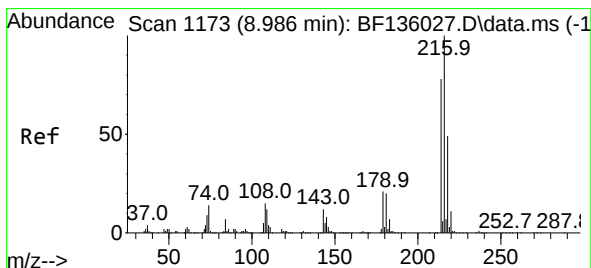
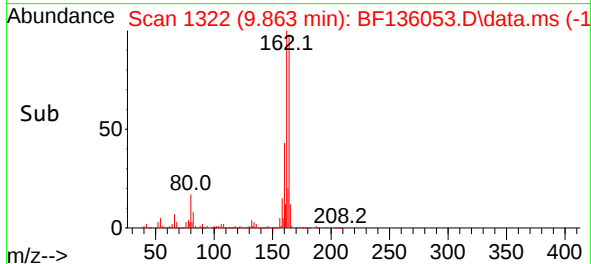
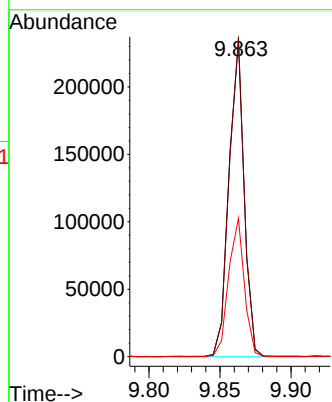
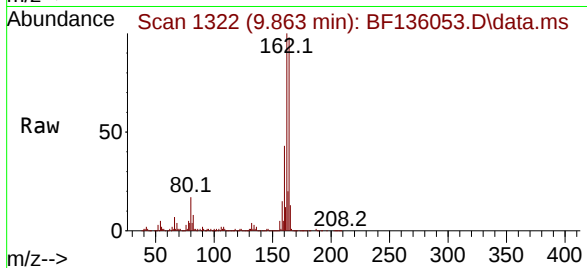
Tgt Ion:164 Resp: 174432

Ion Ratio Lower Upper

164 100

162 101.6 80.1 120.1

160 44.0 34.8 52.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 12.527 ng

RT: 8.981 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Tgt Ion:216 Resp: 62319

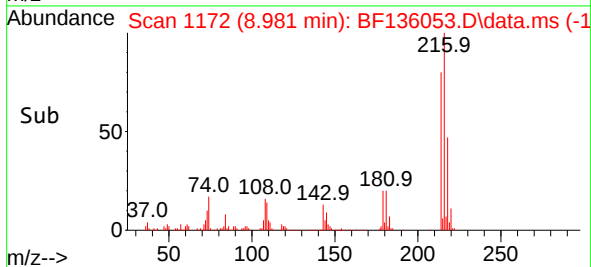
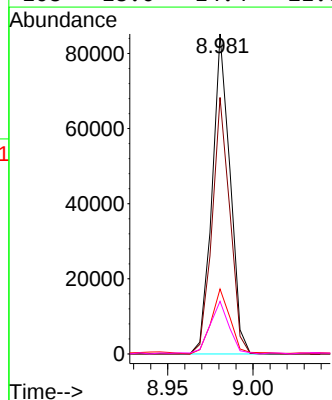
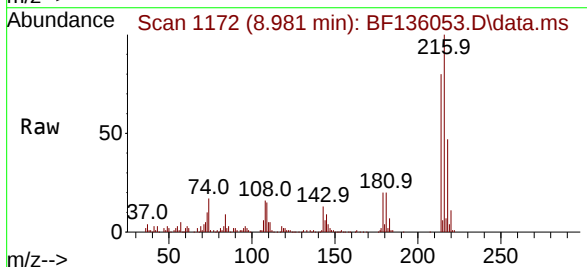
Ion Ratio Lower Upper

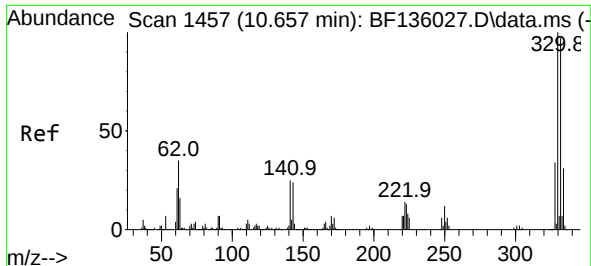
216 100

214 79.1 63.8 95.6

179 21.9 17.5 26.3

108 18.0 14.4 21.6





#42

2,4,6-Tribromophenol

Concen: 19.530 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF136053.D

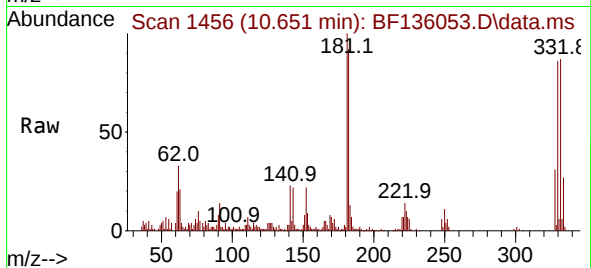
Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD



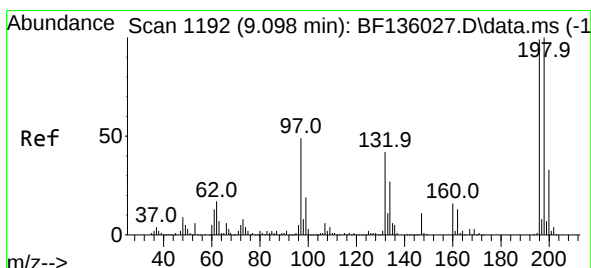
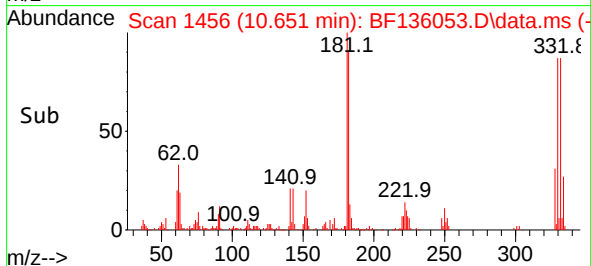
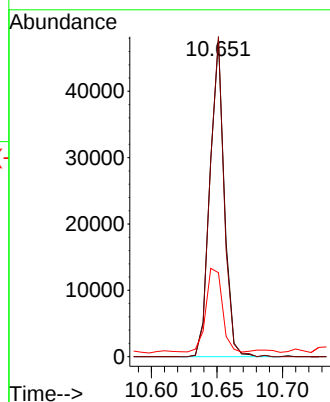
Tgt Ion:330 Resp: 36361

Ion Ratio Lower Upper

330 100

332 99.1 76.9 115.3

141 30.0 23.2 34.8



#43

2,4,6-Trichlorophenol

Concen: 11.179 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

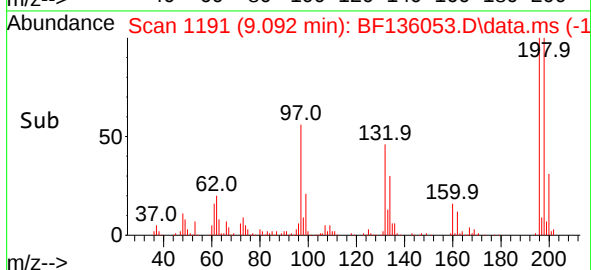
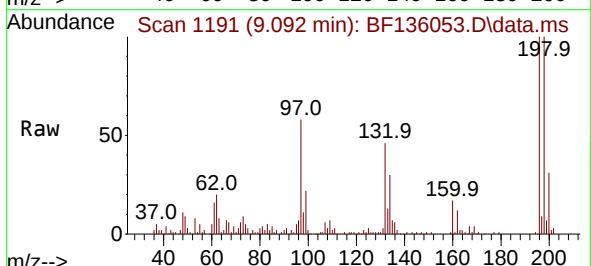
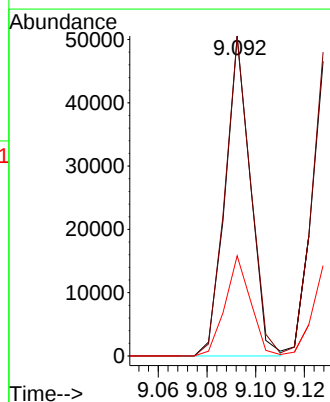
Tgt Ion:196 Resp: 36261

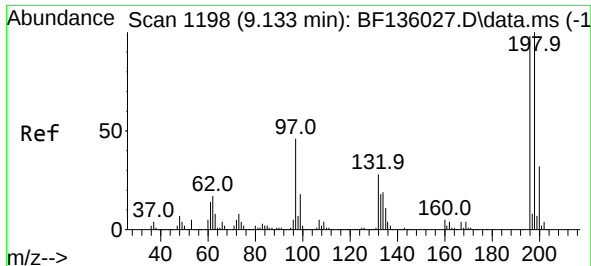
Ion Ratio Lower Upper

196 100

198 100.3 80.7 121.1

200 31.4 26.8 40.2

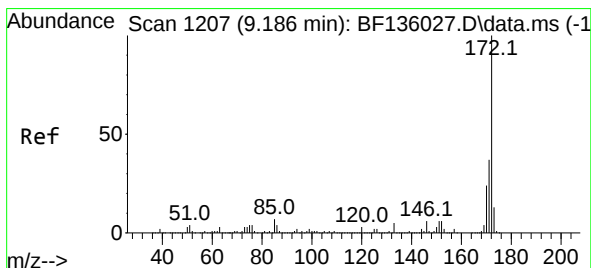
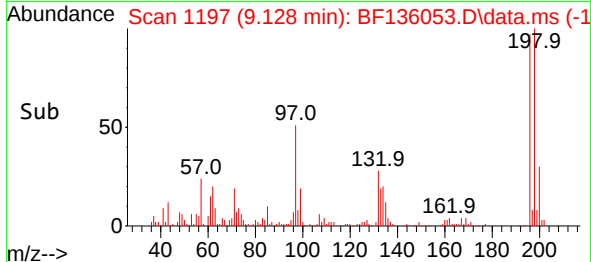
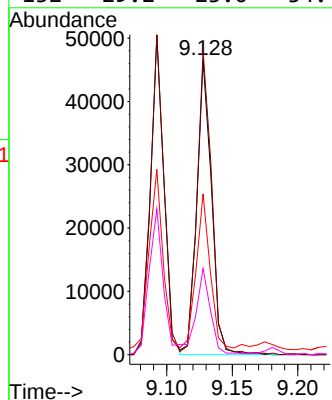
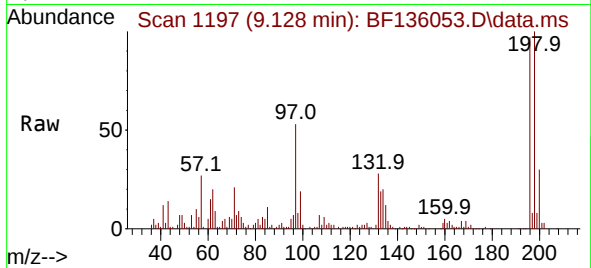




#44
2,4,5-Trichlorophenol
Concen: 9.670 ng
RT: 9.128 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

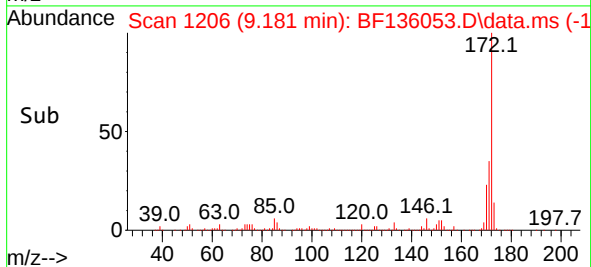
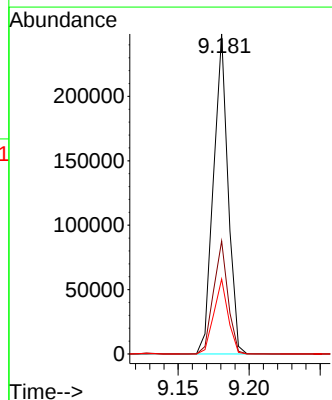
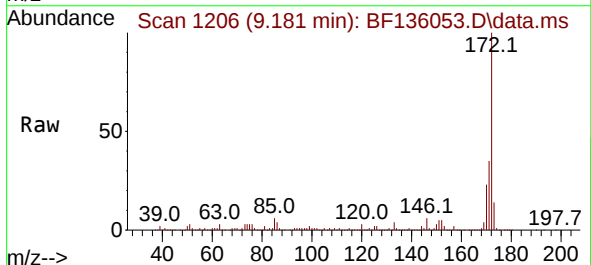
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

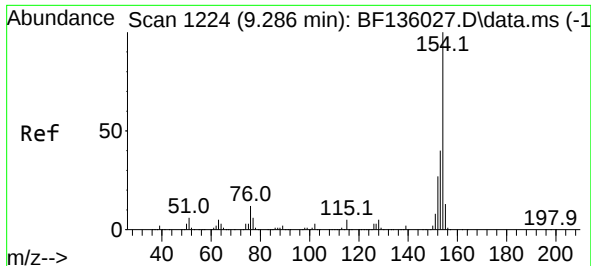
Tgt Ion:196	Resp:	36334
Ion Ratio	Lower	Upper
196	100	
198	103.1	81.6 122.4
97	54.6	38.2 57.2
132	29.2	23.0 34.4



#45
2-Fluorobiphenyl
Concen: 16.195 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion:172	Resp:	177216
Ion Ratio	Lower	Upper
172	100	
171	35.3	29.4 44.0
170	23.4	19.3 28.9

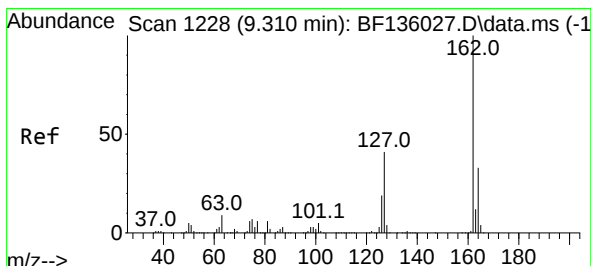
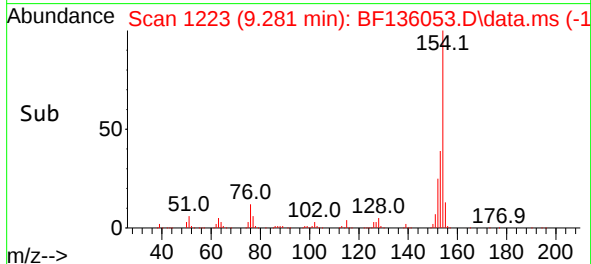
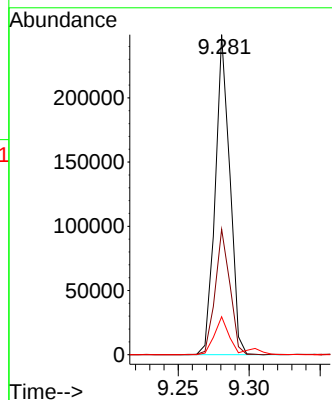
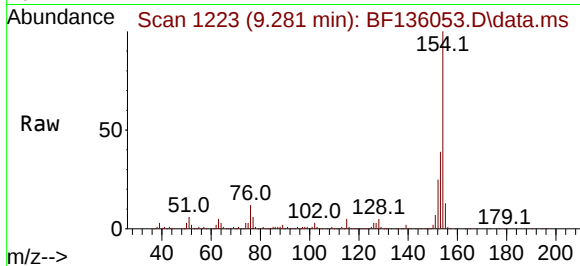




#46
1,1'-Biphenyl
Concen: 13.338 ng
RT: 9.281 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

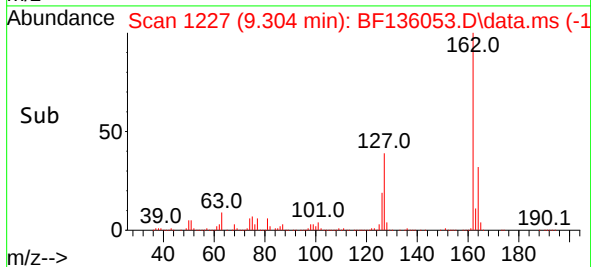
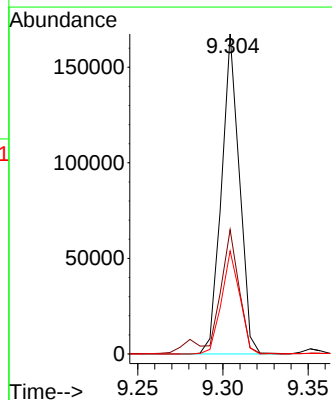
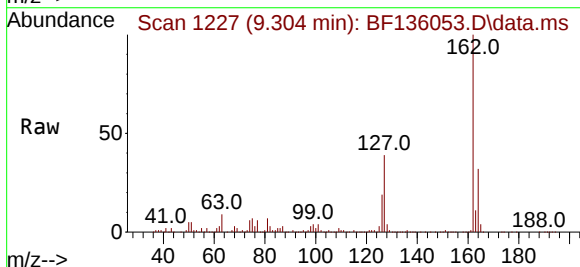
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

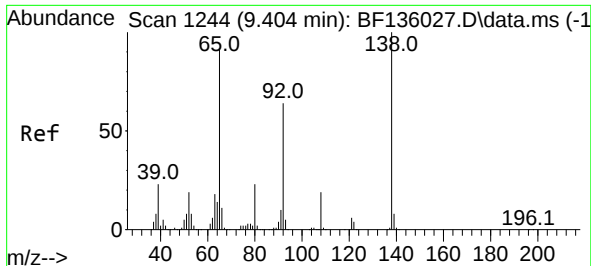
Tgt Ion:154 Resp: 177358
Ion Ratio Lower Upper
154 100
153 39.2 20.1 60.1
76 11.8 0.0 32.5



#47
2-Chloronaphthalene
Concen: 12.541 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion:162 Resp: 122938
Ion Ratio Lower Upper
162 100
127 38.8 32.4 48.6
164 32.2 26.7 40.1





#48

2-Nitroaniline

Concen: 10.837 ng

RT: 9.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

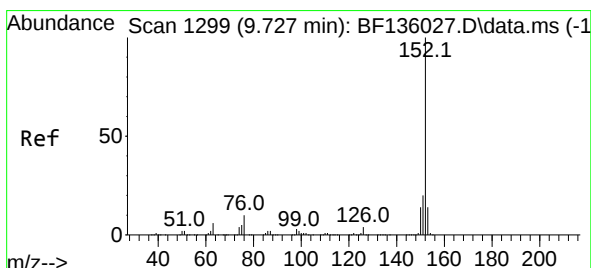
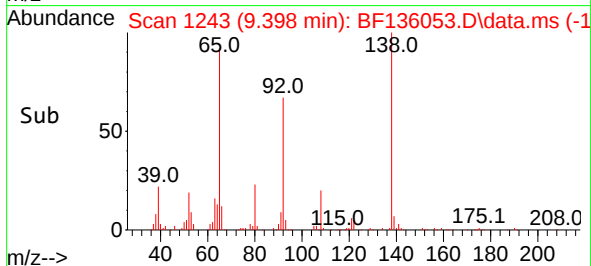
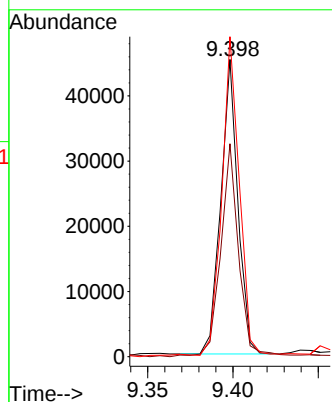
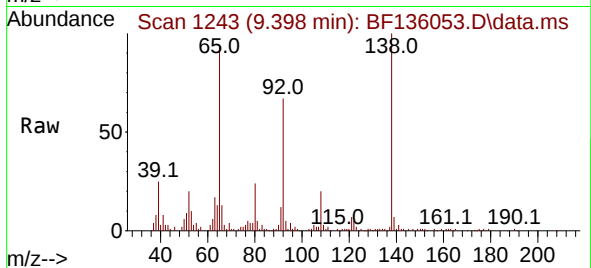
Tgt Ion: 65 Resp: 31440

Ion Ratio Lower Upper

65 100

92 71.7 55.7 83.5

138 107.7 86.8 130.2



#49

Acenaphthylene

Concen: 22.538 ng

RT: 9.722 min Scan# 1298

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

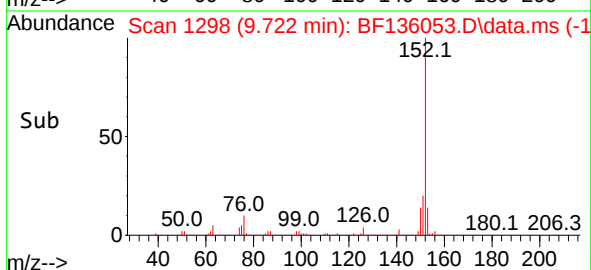
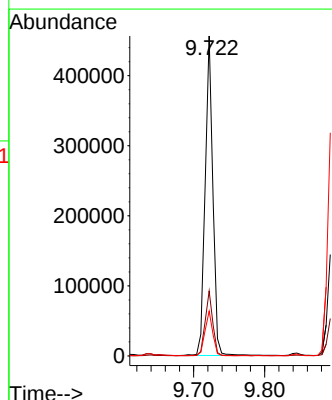
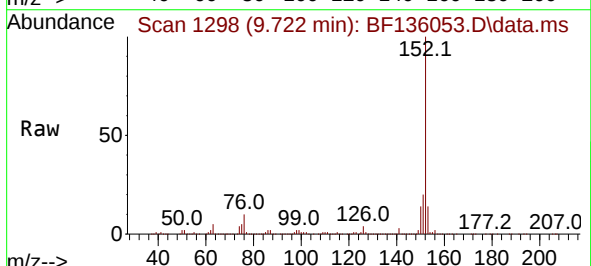
Tgt Ion: 152 Resp: 344666

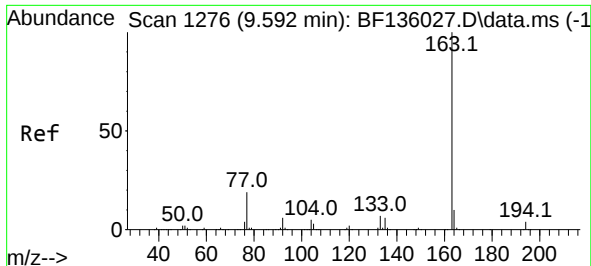
Ion Ratio Lower Upper

152 100

151 20.3 16.1 24.1

153 14.0 11.4 17.2

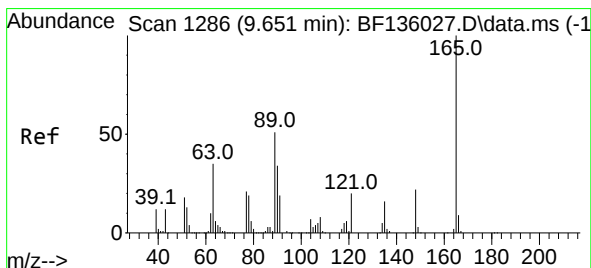
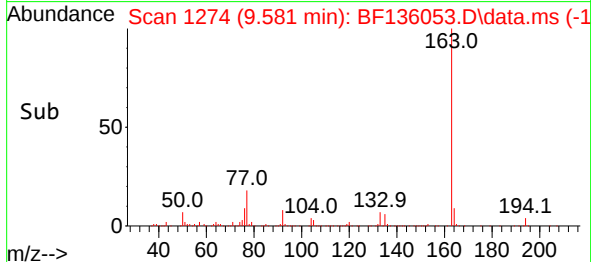
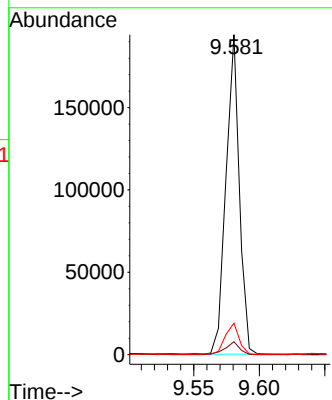
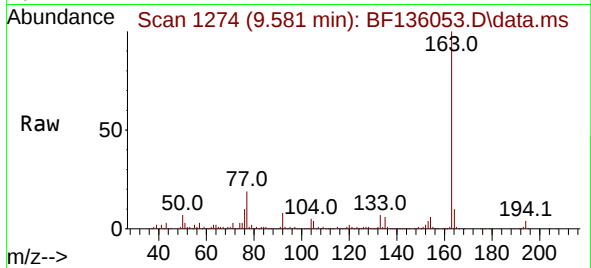




#50
Dimethylphthalate
Concen: 11.876 ng
RT: 9.581 min Scan# 1274
Delta R.T. -0.011 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

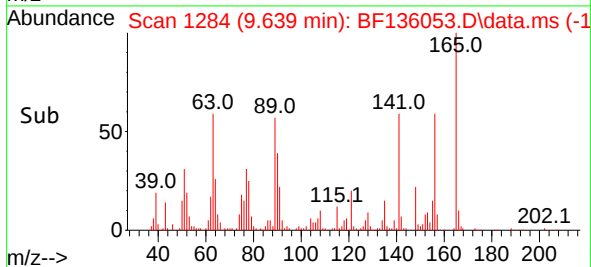
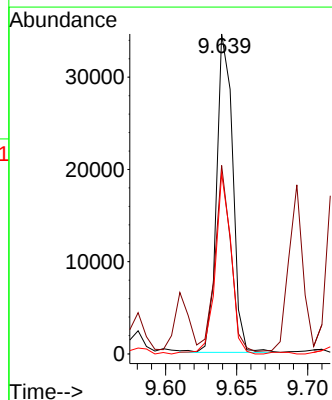
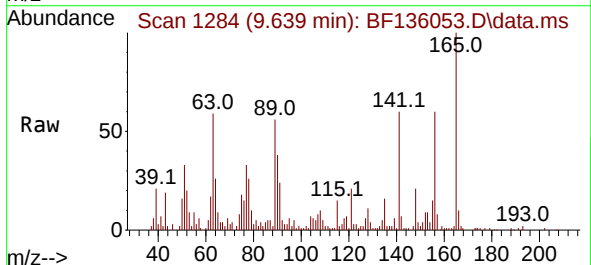
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

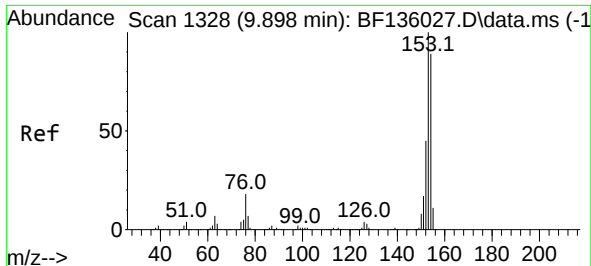
Tgt Ion:163 Resp: 136644
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 9.8 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 11.023 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion:165 Resp: 27126
Ion Ratio Lower Upper
165 100
63 58.9 40.8 61.2
89 56.4 41.1 61.7

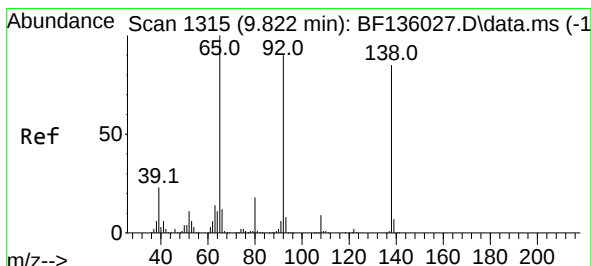
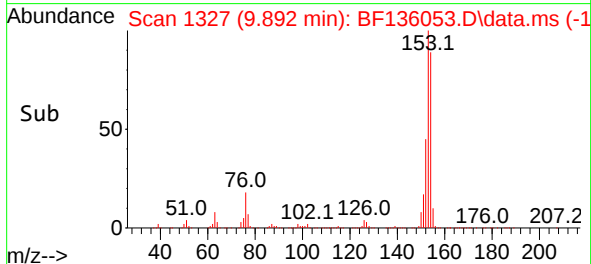
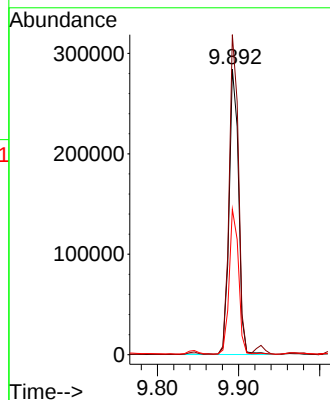
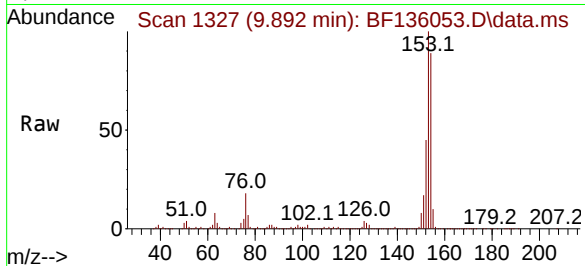




#52
Acenaphthene
Concen: 23.815 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

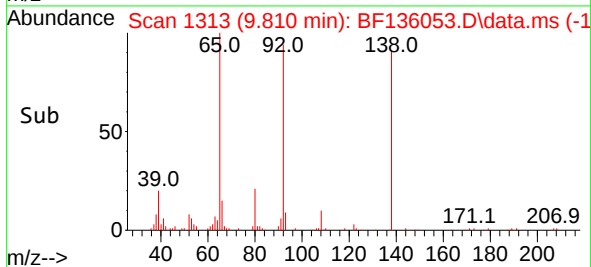
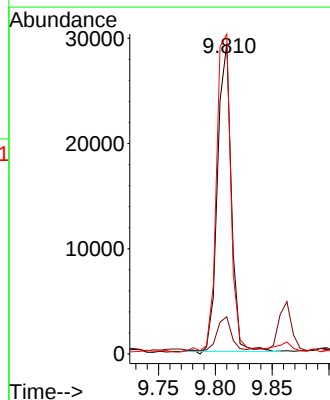
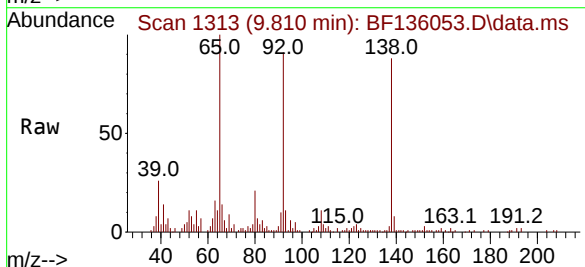
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

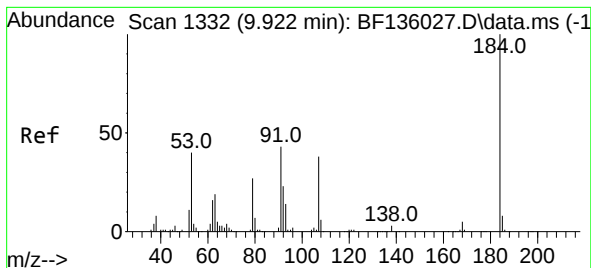
Tgt Ion:154 Resp: 231517
Ion Ratio Lower Upper
154 100
153 112.1 89.9 134.9
152 50.9 40.2 60.2



#53
3-Nitroaniline
Concen: 8.599 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion:138 Resp: 24692
Ion Ratio Lower Upper
138 100
108 12.0 8.8 13.2
92 103.1 84.6 126.8





#54

2,4-Dinitrophenol

Concen: 9.282 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

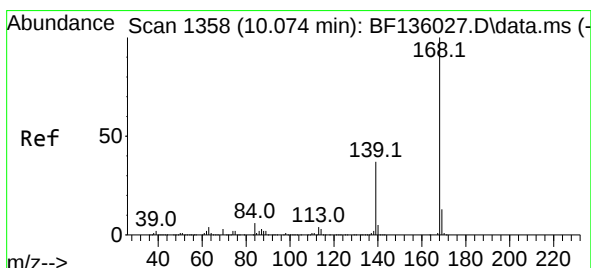
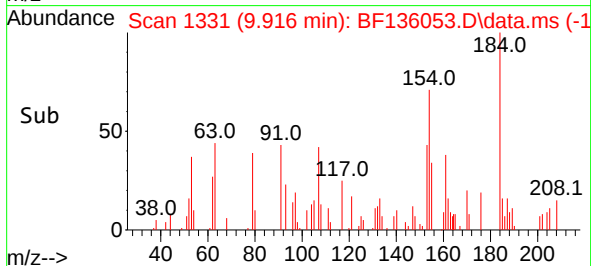
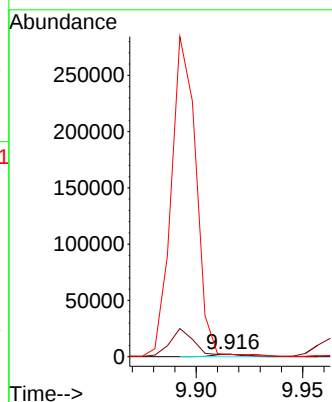
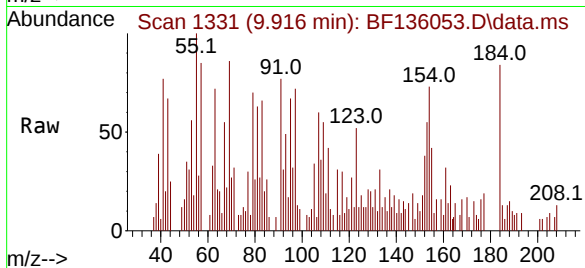
Tgt Ion:184 Resp: 1933

Ion Ratio Lower Upper

184 100

63 85.8 43.7 65.5#

154 86.5 51.2 76.8#



#55

Dibenzofuran

Concen: 20.483 ng

RT: 10.069 min Scan# 1357

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

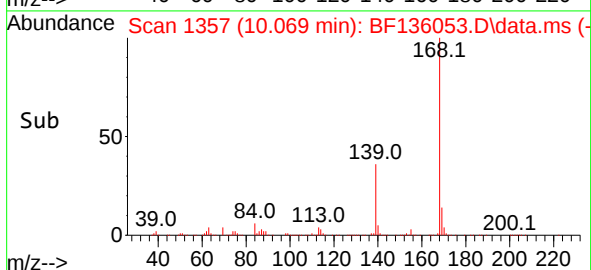
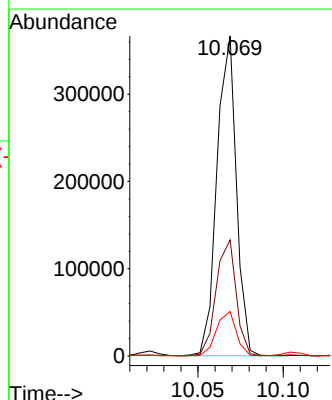
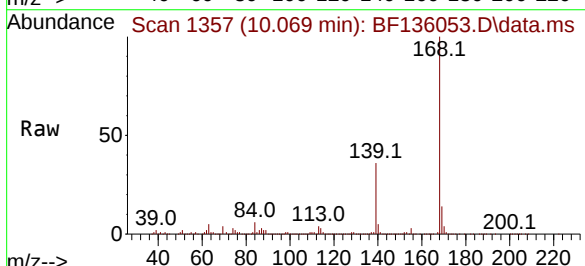
Tgt Ion:168 Resp: 290362

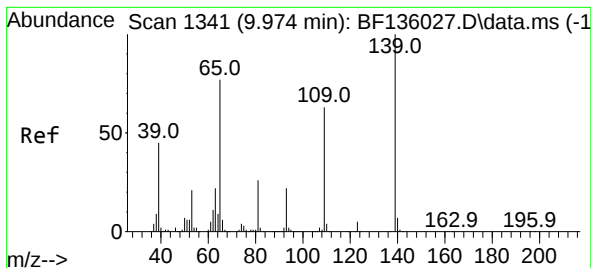
Ion Ratio Lower Upper

168 100

139 36.2 29.4 44.0

169 13.9 10.5 15.7

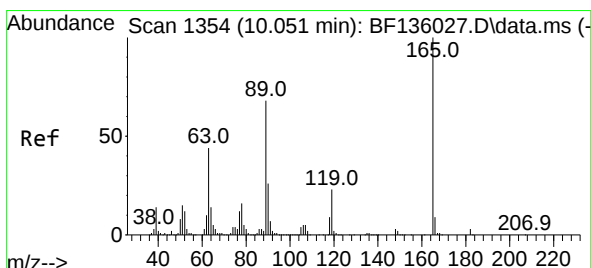
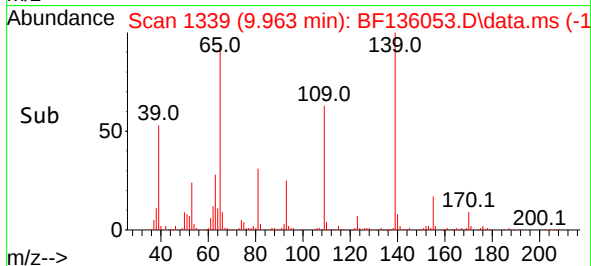
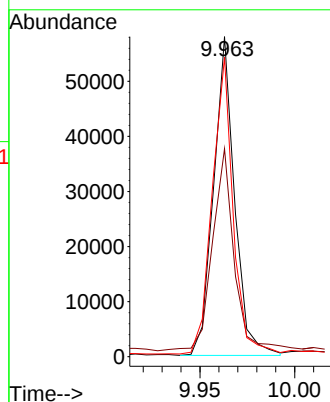
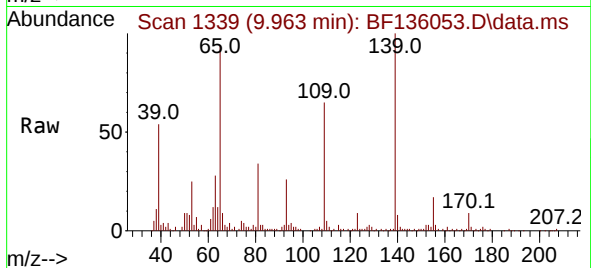




#56
4-Nitrophenol
Concen: 20.892 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.012 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

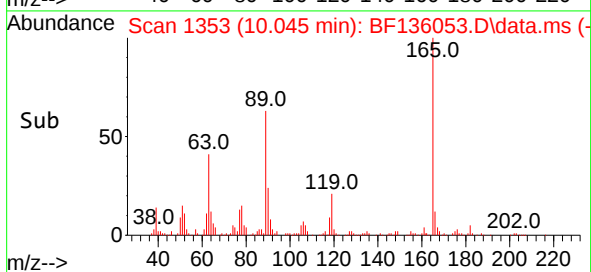
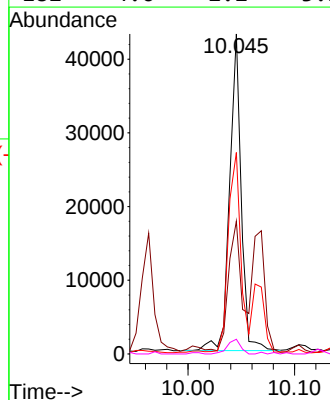
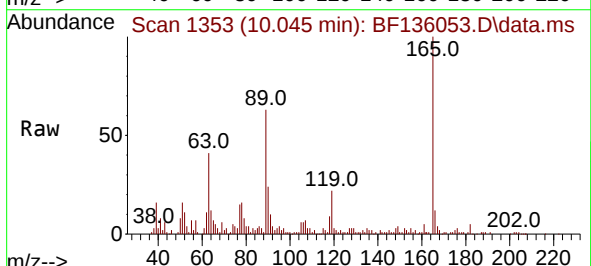
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

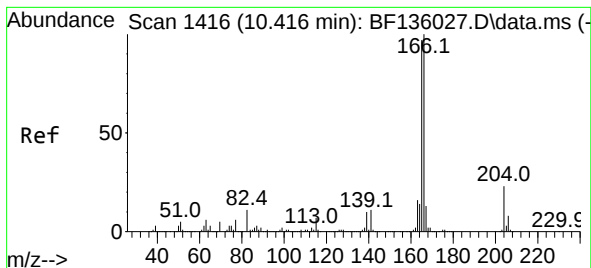
Tgt Ion:139 Resp: 44872
Ion Ratio Lower Upper
139 100
109 65.0 43.2 83.2
65 93.7 57.6 97.6



#57
2,4-Dinitrotoluene
Concen: 10.363 ng
RT: 10.045 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion:165 Resp: 32267
Ion Ratio Lower Upper
165 100
63 41.5 35.2 52.8
89 62.9 54.8 82.2
182 4.6 2.2 3.2#





#58

Fluorene

Concen: 33.597 ng

RT: 10.410 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

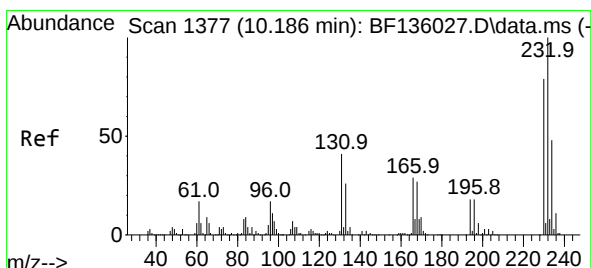
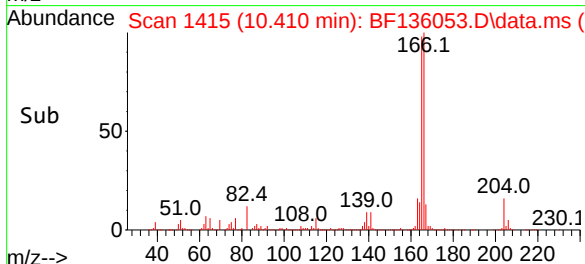
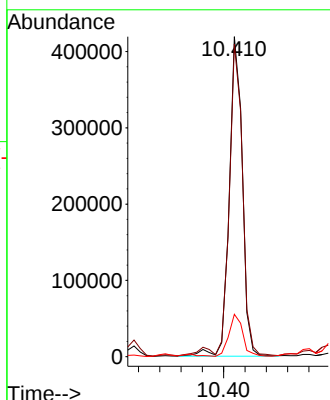
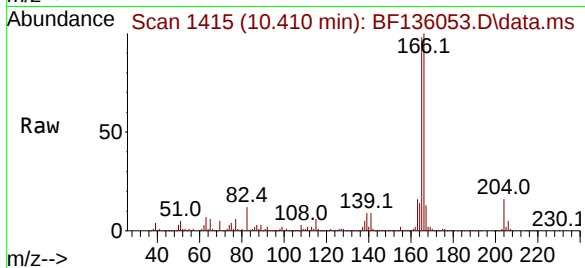
Tgt Ion:166 Resp: 356581

Ion Ratio Lower Upper

166 100

165 97.7 77.7 116.5

167 13.3 10.6 16.0



#59

2,3,4,6-Tetrachlorophenol

Concen: 9.691 ng

RT: 10.181 min Scan# 1376

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Tgt Ion:232 Resp: 28947

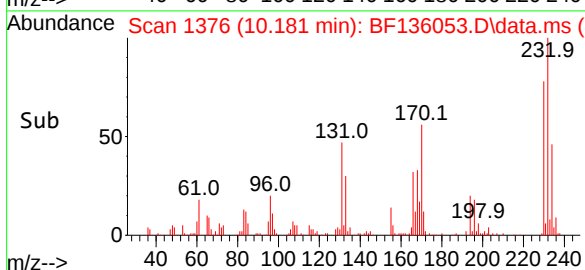
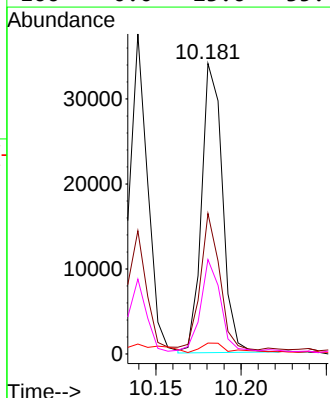
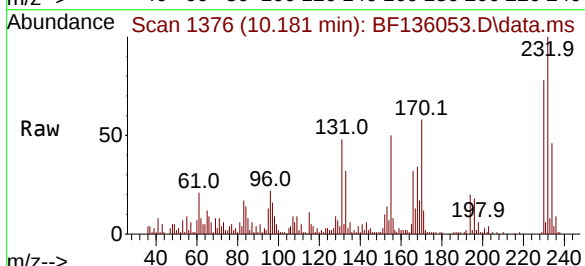
Ion Ratio Lower Upper

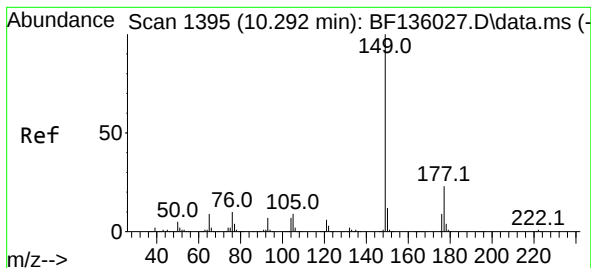
232 100

131 43.7 34.6 52.0

130 4.7 1.6 2.4#

166 0.0 23.6 35.4#





#60

Diethylphthalate

Concen: 11.366 ng

RT: 10.286 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

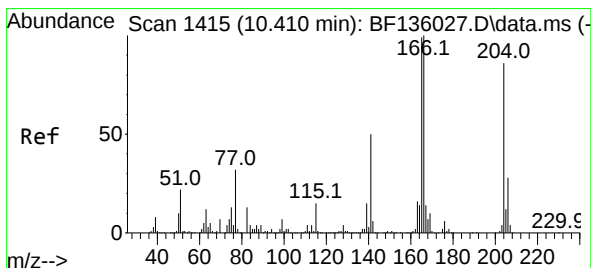
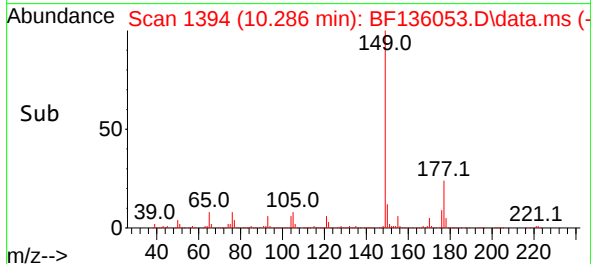
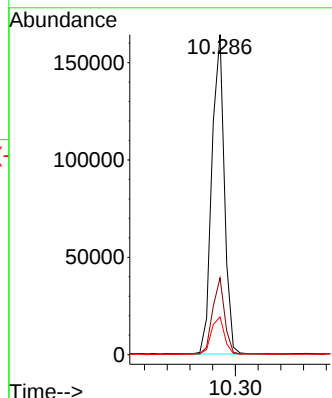
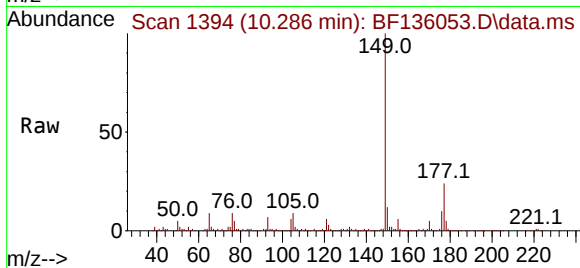
Tgt Ion:149 Resp: 124947

Ion Ratio Lower Upper

149 100

177 24.0 18.2 27.4

150 11.8 9.9 14.9



#61

4-Chlorophenyl-phenylether

Concen: 11.416 ng

RT: 10.404 min Scan# 1414

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

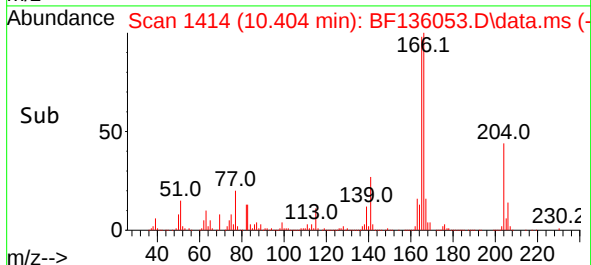
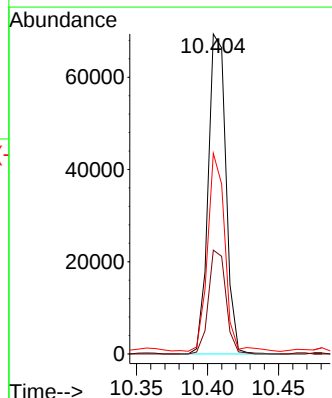
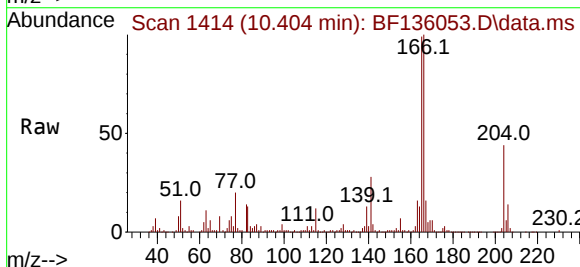
Tgt Ion:204 Resp: 60484

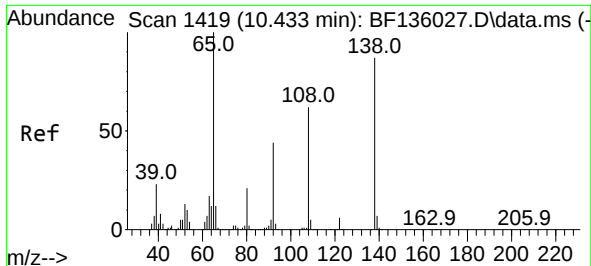
Ion Ratio Lower Upper

204 100

206 32.4 26.6 39.8

141 62.7 46.8 70.2





#62

4-Nitroaniline

Concen: 10.404 ng

RT: 10.416 min Scan# 1416

Delta R.T. -0.017 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

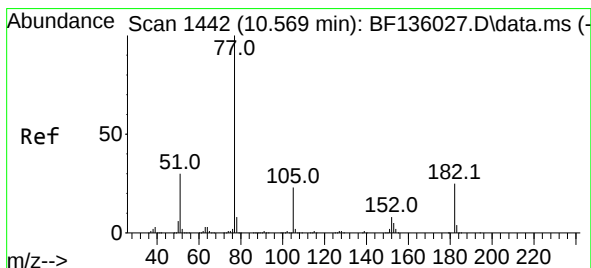
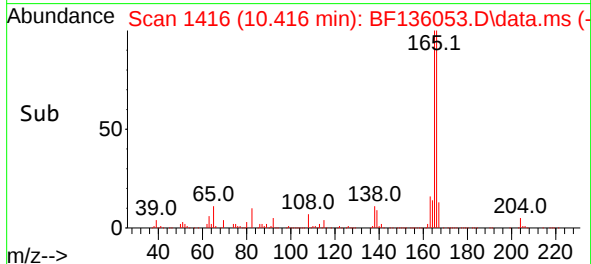
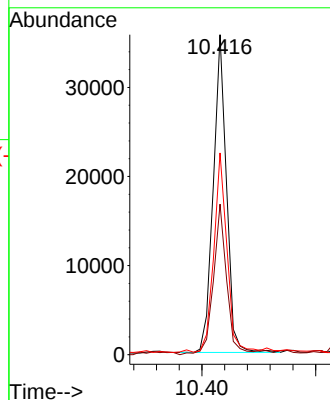
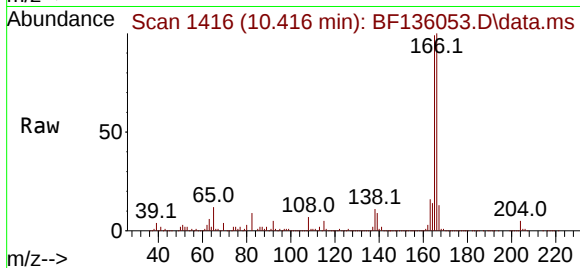
Tgt Ion:138 Resp: 28767

Ion Ratio Lower Upper

138 100

92 47.1 30.6 70.6

108 63.0 51.5 91.5



#63

Azobenzene

Concen: 10.474 ng

RT: 10.563 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Tgt Ion: 77 Resp: 110887

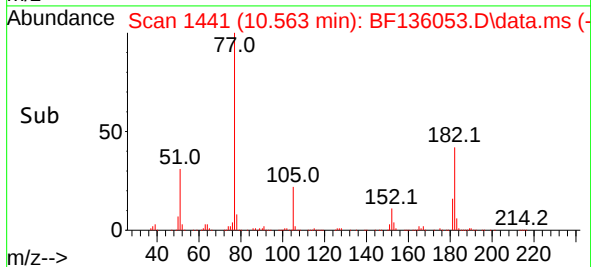
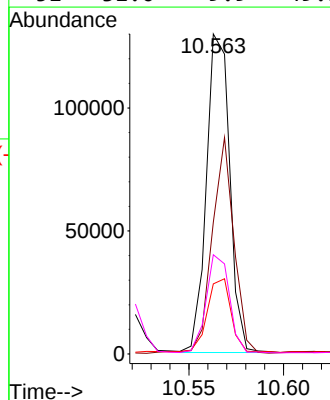
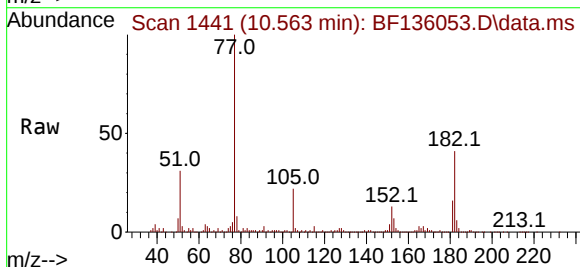
Ion Ratio Lower Upper

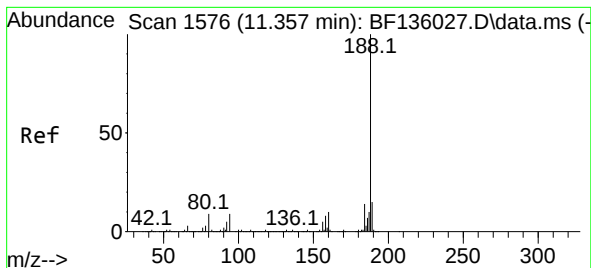
77 100

182 41.1 5.0 45.0

105 21.9 2.6 42.6

51 31.0 9.9 49.9

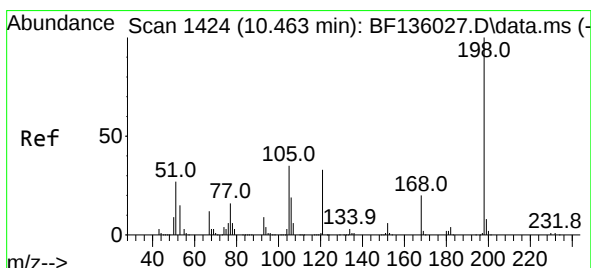
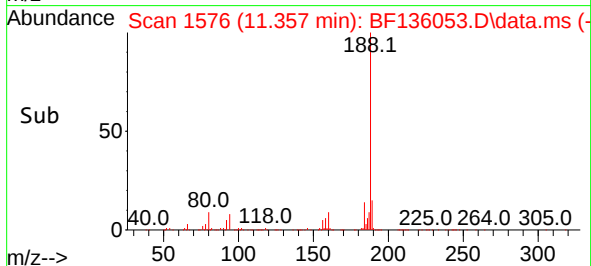
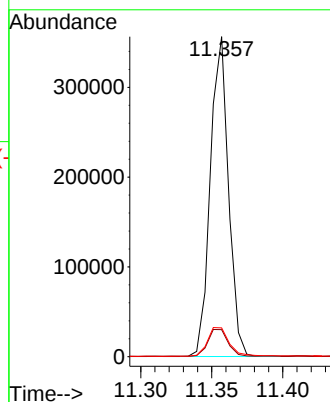
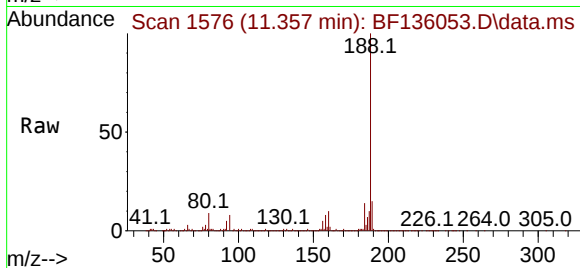




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

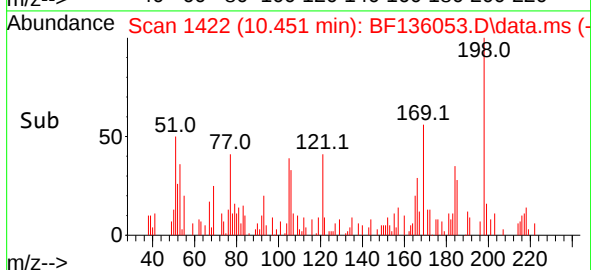
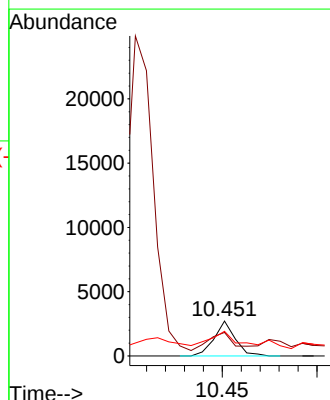
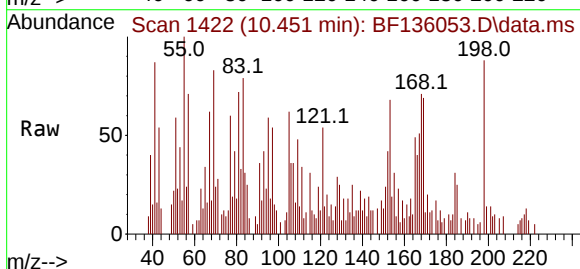
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

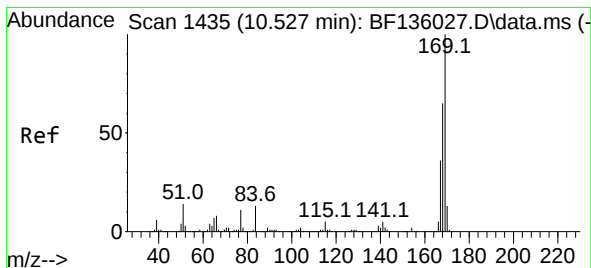
Tgt Ion:188 Resp: 317080
Ion Ratio Lower Upper
188 100
94 8.4 7.2 10.8
80 9.0 7.4 11.0



#65
4,6-Dinitro-2-methylphenol
Concen: 6.850 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion:198 Resp: 2099
Ion Ratio Lower Upper
198 100
51 67.3 12.9 52.9#
105 70.8 16.0 56.0#

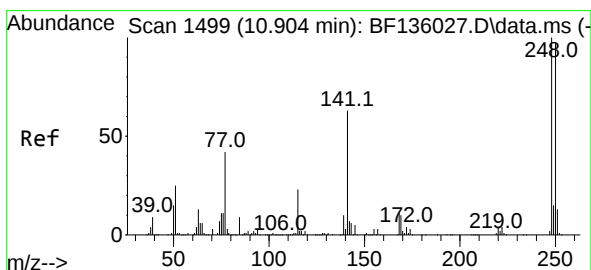
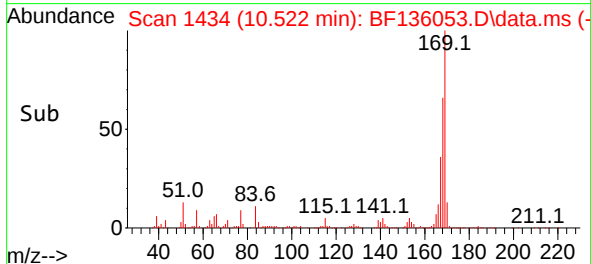
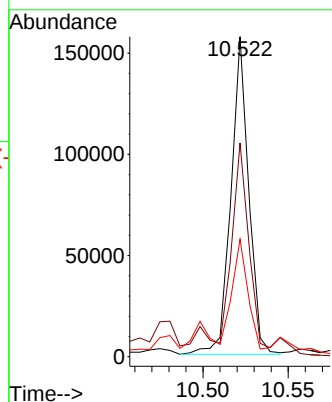
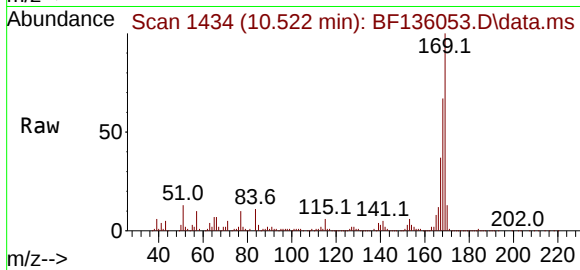




#66
n-Nitrosodiphenylamine
Concen: 11.941 ng
RT: 10.522 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

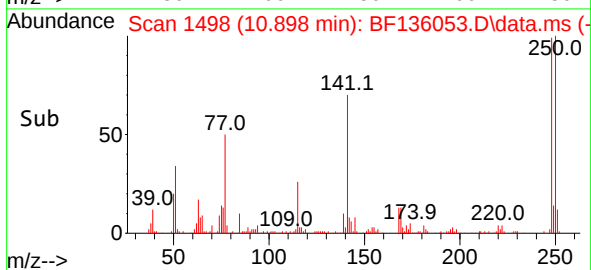
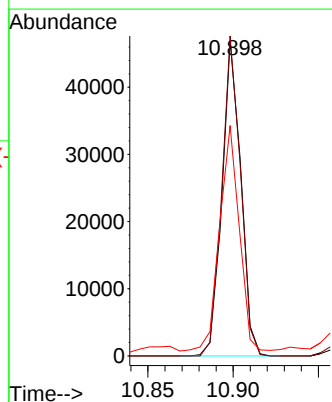
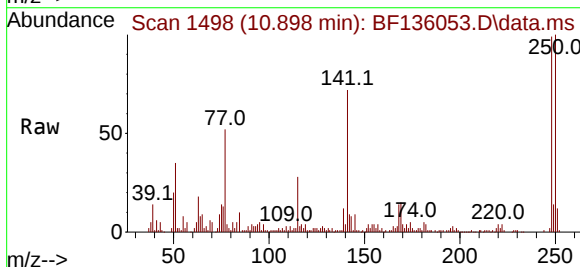
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

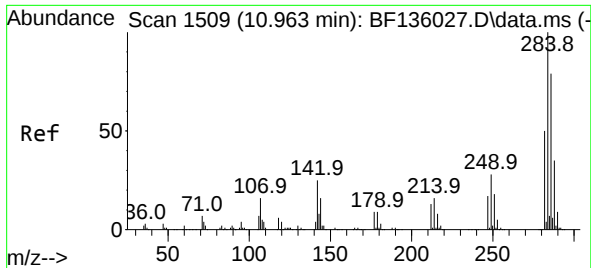
Tgt Ion:169 Resp: 114216
Ion Ratio Lower Upper
169 100
168 66.8 52.2 78.2
167 36.7 28.7 43.1



#67
4-Bromophenyl-phenylether
Concen: 10.834 ng
RT: 10.898 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion:248 Resp: 36015
Ion Ratio Lower Upper
248 100
250 101.5 77.6 116.4
141 73.1 50.4 75.6

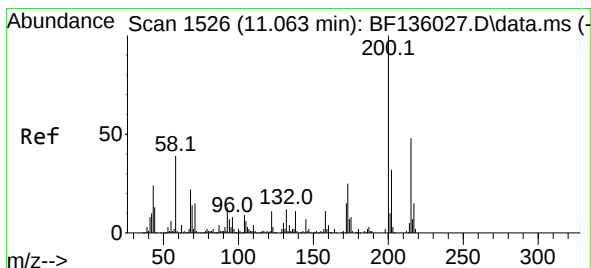
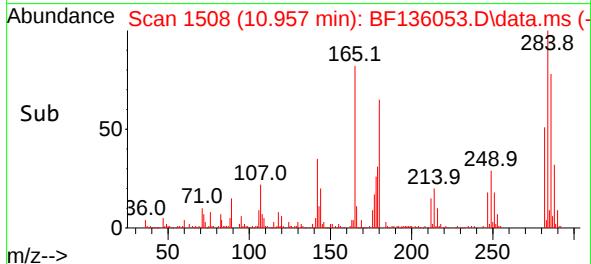
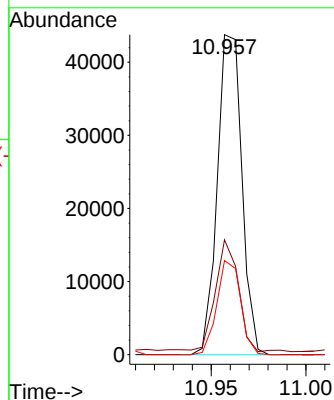
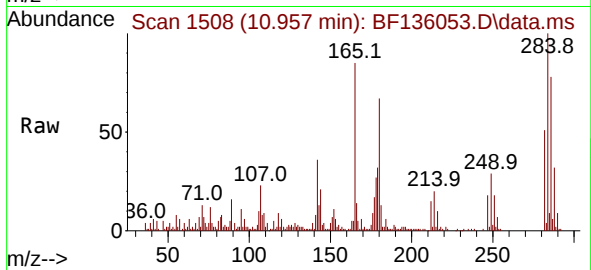




#68
Hexachlorobenzene
Concen: 11.157 ng
RT: 10.957 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

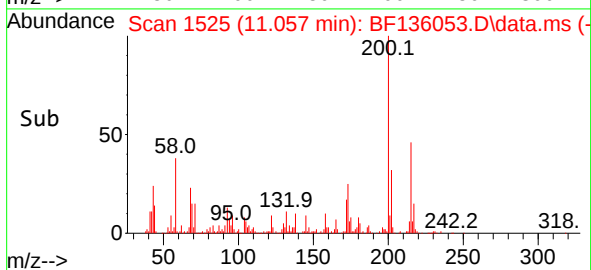
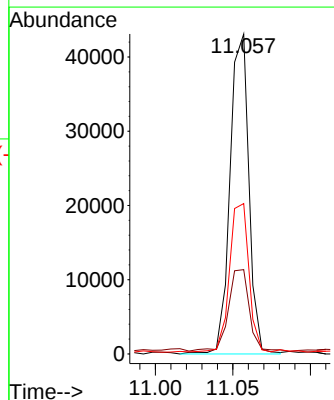
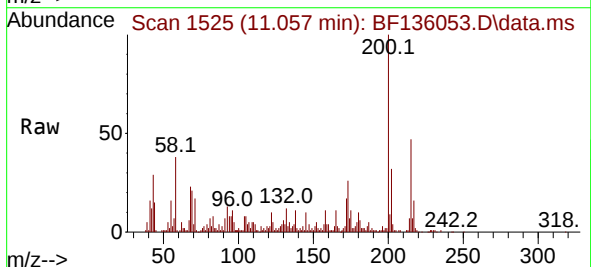
Instrument :
BNA_F
ClientSampleId :
B-1(0-5)MSD

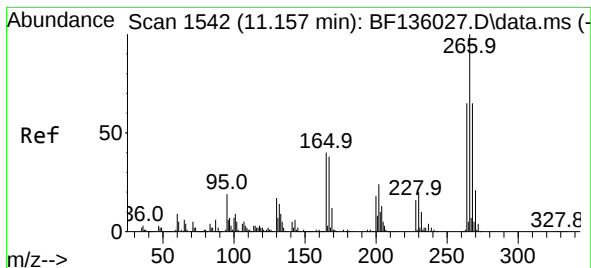
Tgt Ion:284 Resp: 39612
Ion Ratio Lower Upper
284 100
142 35.9 20.2 30.4#
249 29.4 22.6 33.8



#69
Atrazine
Concen: 14.020 ng
RT: 11.057 min Scan# 1525
Delta R.T. -0.006 min
Lab File: BF136053.D
Acq: 31 Oct 2023 16:03

Tgt Ion:200 Resp: 36486
Ion Ratio Lower Upper
200 100
173 26.3 5.2 45.2
215 47.0 28.4 68.4





#70

Pentachlorophenol

Concen: 17.667 ng

RT: 11.157 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

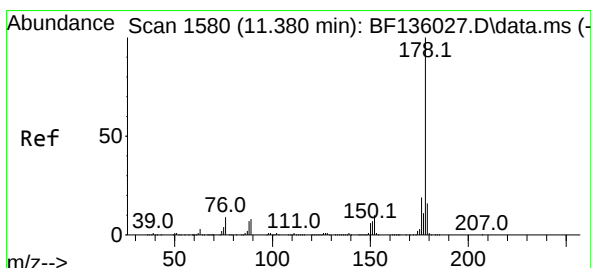
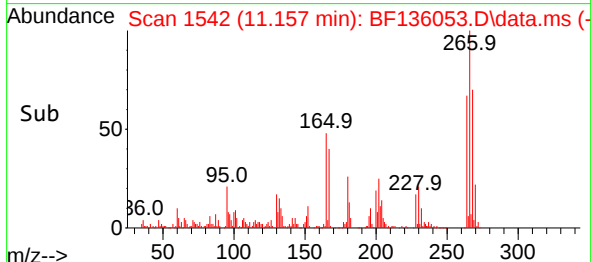
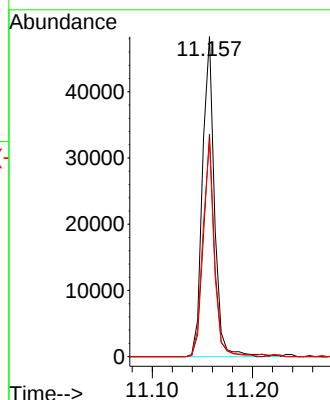
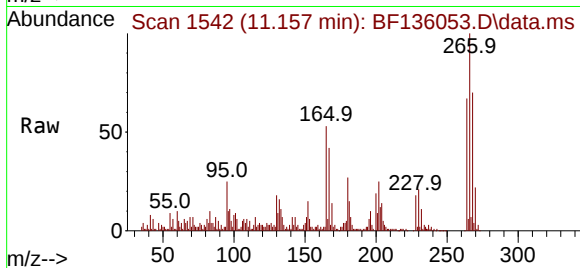
Tgt Ion:266 Resp: 40283

Ion Ratio Lower Upper

266 100

268 69.6 52.2 78.4

264 67.5 52.2 78.4



#71

Phenanthrene

Concen: 99.497 ng

RT: 11.386 min Scan# 1581

Delta R.T. 0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

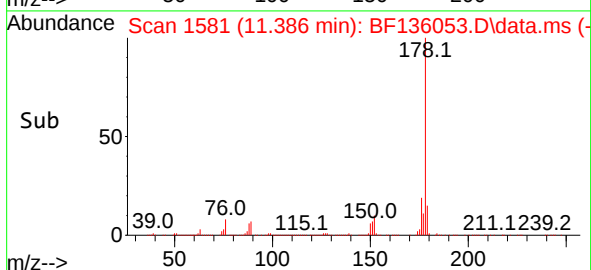
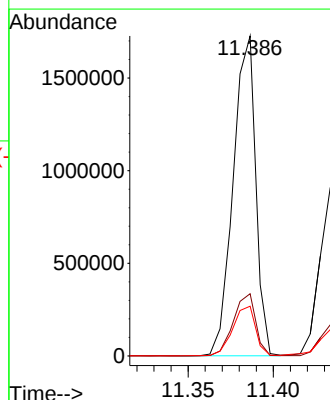
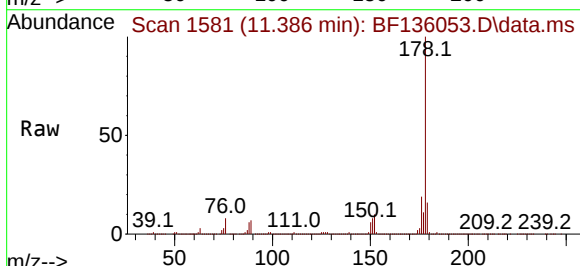
Tgt Ion:178 Resp: 1588472

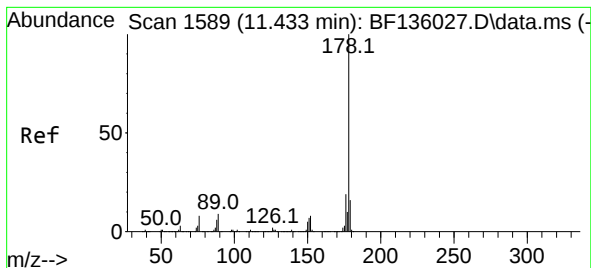
Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 15.5 12.9 19.3





#72

Anthracene

Concen: 43.711 ng

RT: 11.433 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

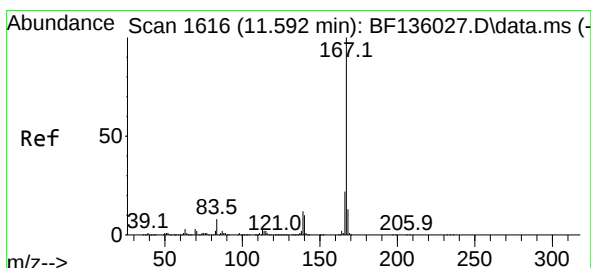
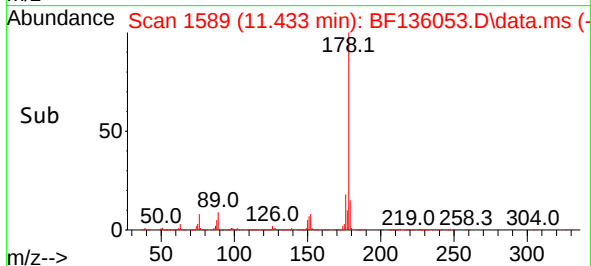
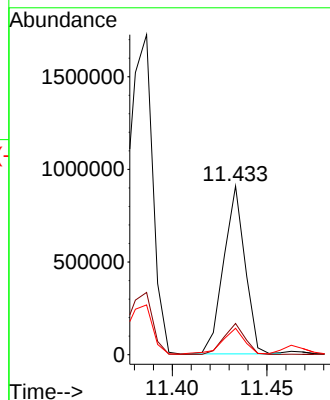
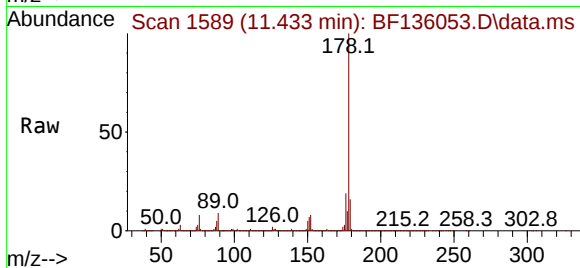
Tgt Ion:178 Resp: 715089

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.6 12.6 18.8



#73

Carbazole

Concen: 16.577 ng

RT: 11.586 min Scan# 1615

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

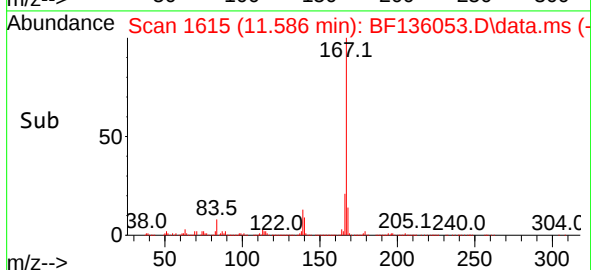
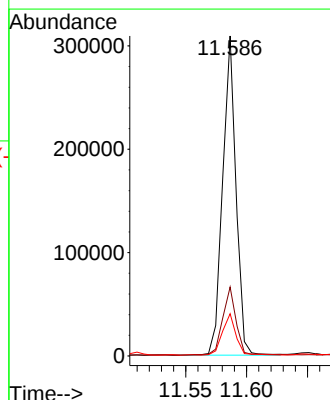
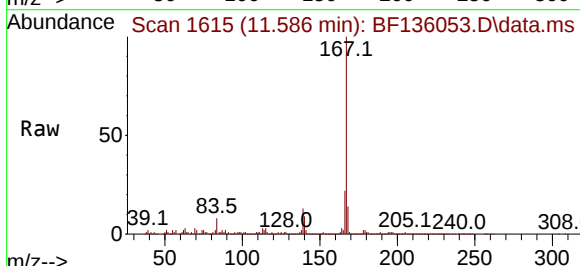
Tgt Ion:167 Resp: 235654

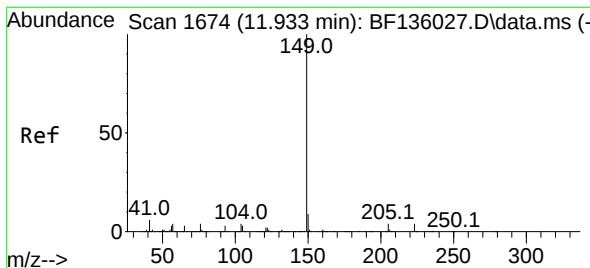
Ion Ratio Lower Upper

167 100

166 21.5 17.2 25.8

139 13.2 9.9 14.9





#74

Di-n-butylphthalate

Concen: 12.303 ng

RT: 11.928 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

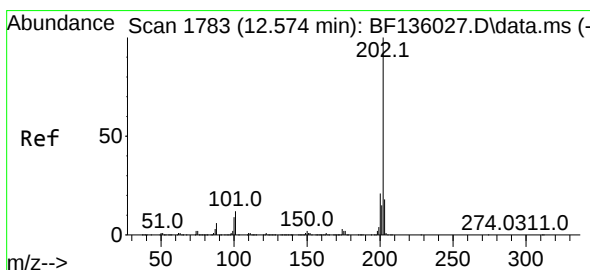
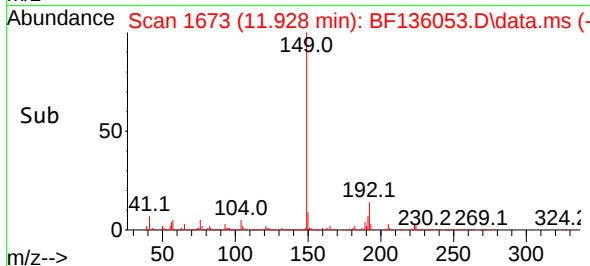
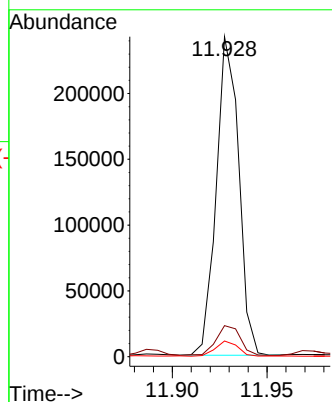
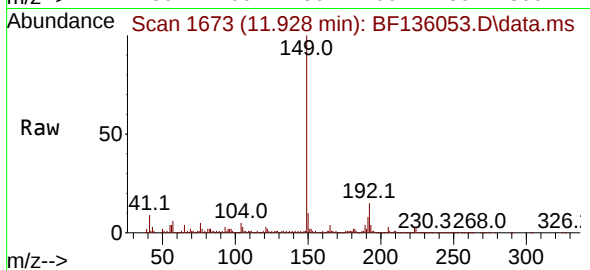
Tgt Ion:149 Resp: 199858

Ion Ratio Lower Upper

149 100

150 9.7 7.3 10.9

104 4.9 3.6 5.4



#75

Fluoranthene

Concen: 155.794 ng

RT: 12.586 min Scan# 1785

Delta R.T. 0.012 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

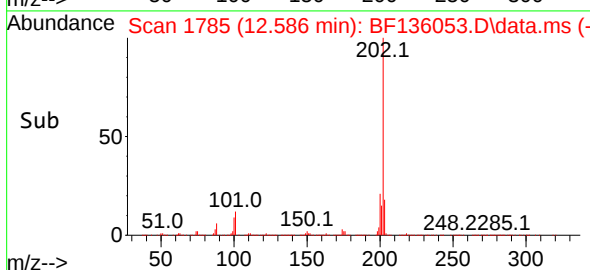
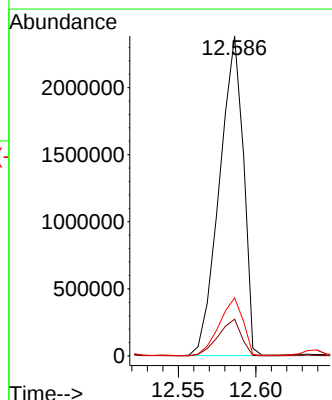
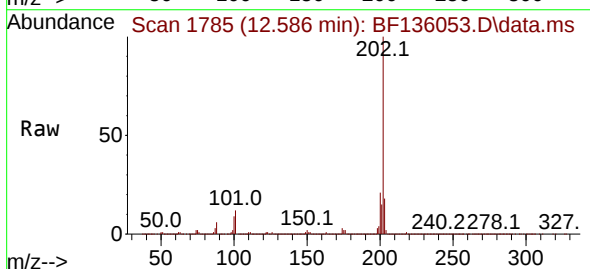
Tgt Ion:202 Resp: 2555190

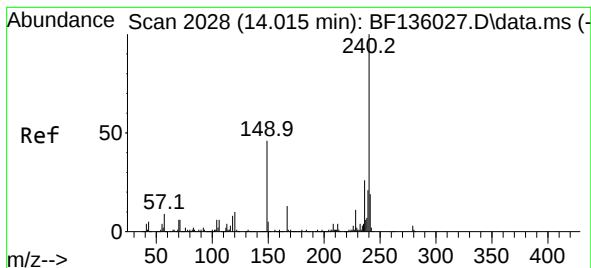
Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.8

203 18.2 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

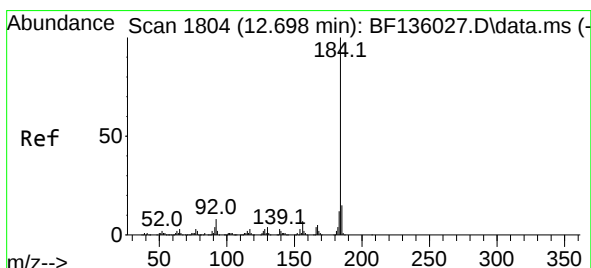
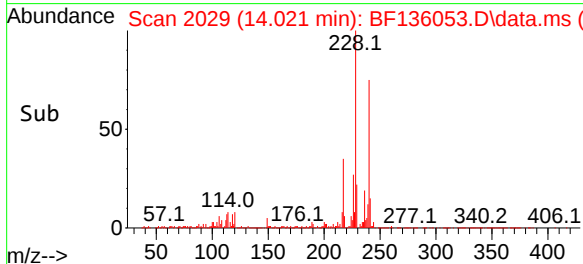
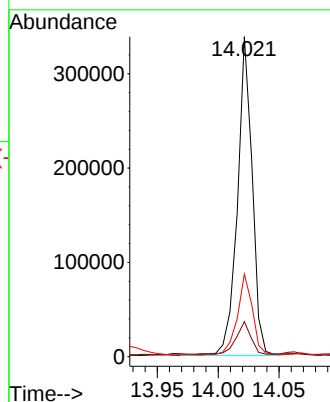
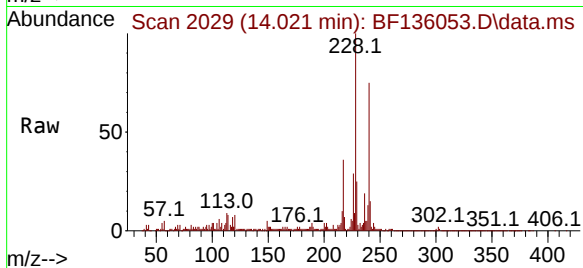
Tgt Ion:240 Resp: 285366

Ion Ratio Lower Upper

240 100

120 11.0 7.6 11.4

236 25.8 20.6 31.0



#77

Benzidine

Concen: 3.894 ng

RT: 12.704 min Scan# 1805

Delta R.T. 0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

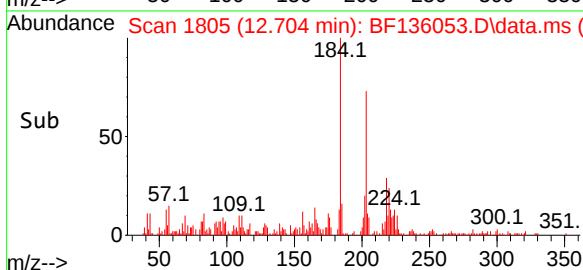
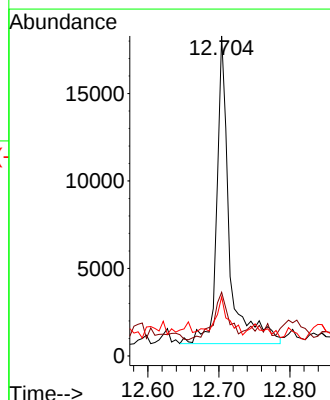
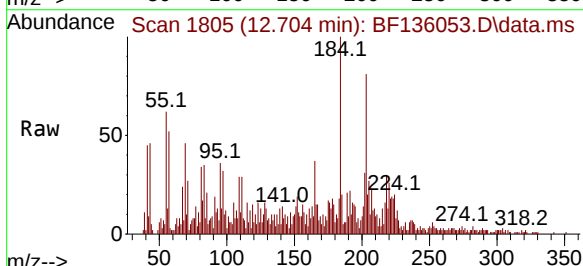
Tgt Ion:184 Resp: 21661

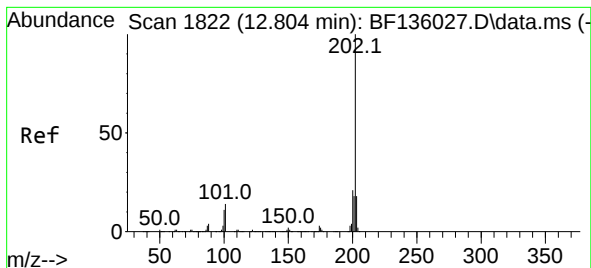
Ion Ratio Lower Upper

184 100

185 19.9 11.8 17.8#

183 18.4 9.5 14.3#





#78

Pyrene

Concen: 95.353 ng

RT: 12.816 min Scan# 1824

Delta R.T. 0.012 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

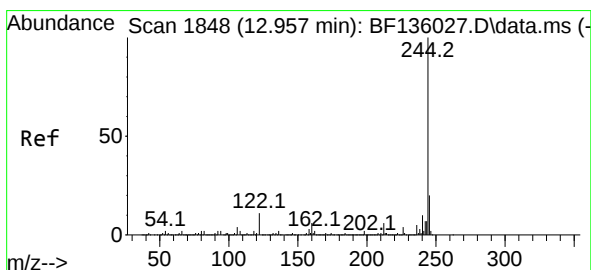
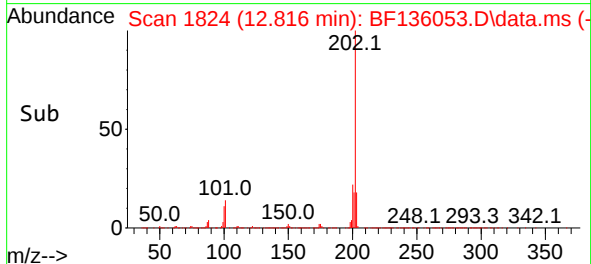
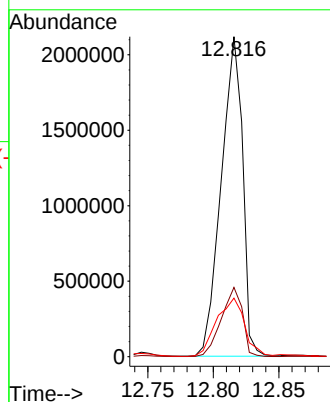
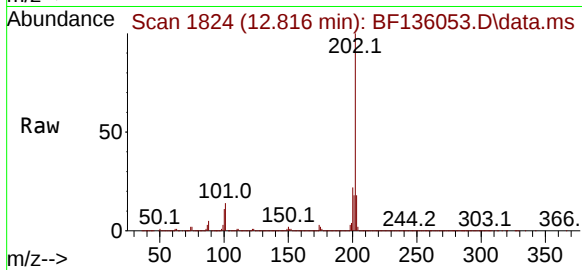
Tgt Ion:202 Resp: 2399004

Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.4

203 18.3 14.4 21.6



#79

Terphenyl-d14

Concen: 11.837 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

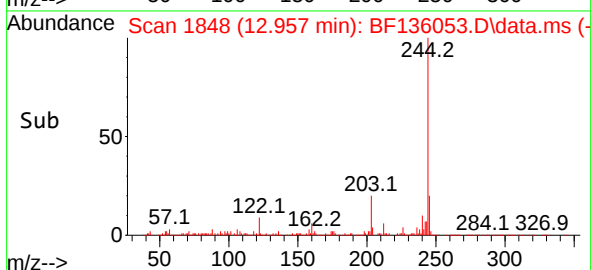
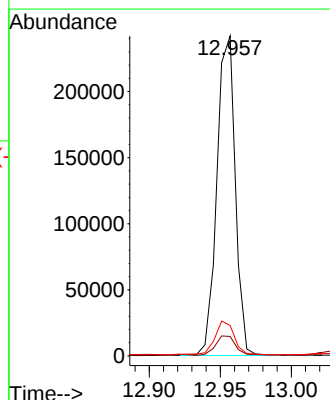
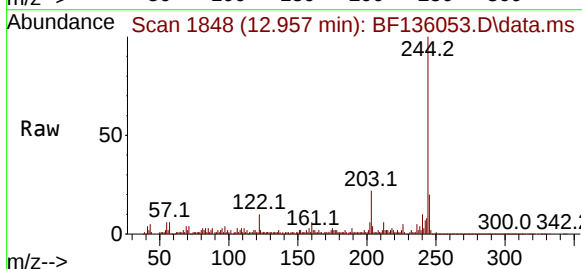
Tgt Ion:244 Resp: 217358

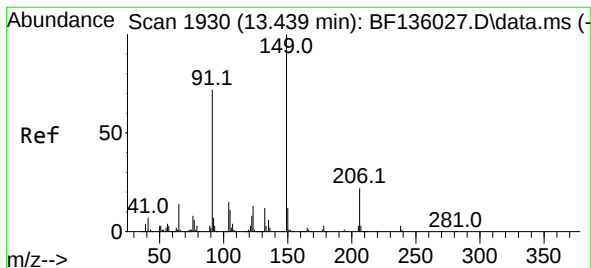
Ion Ratio Lower Upper

244 100

212 6.1 5.1 7.7

122 9.5 8.6 12.8





#80

Butylbenzylphthalate

Concen: 10.545 ng

RT: 13.439 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

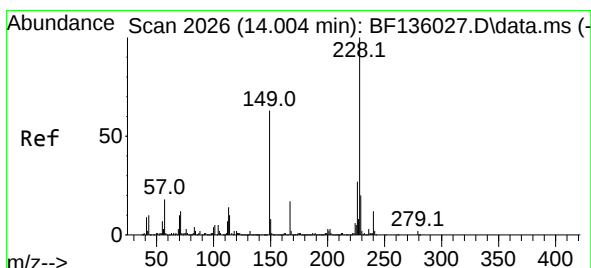
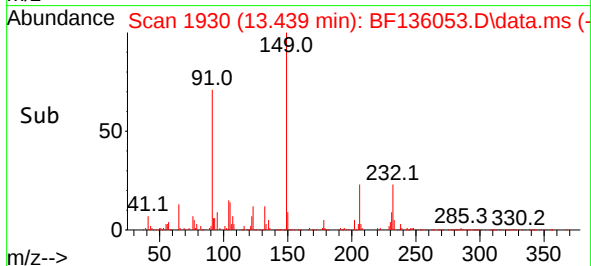
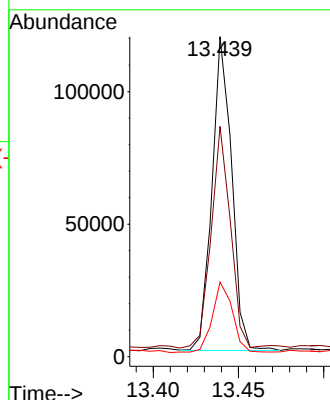
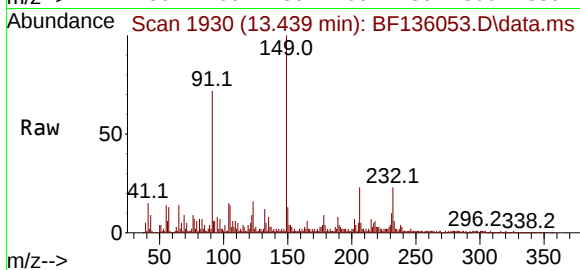
Tgt Ion:149 Resp: 94968

Ion Ratio Lower Upper

149 100

91 72.0 57.6 86.4

206 23.3 17.4 26.0



#81

Benzo(a)anthracene

Concen: 79.544 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.012 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

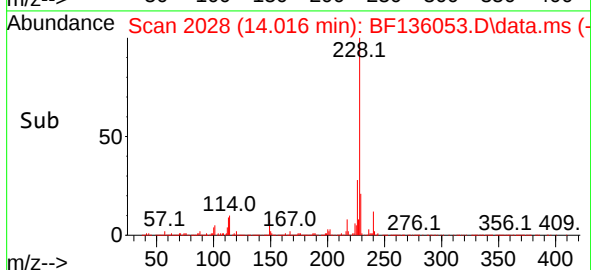
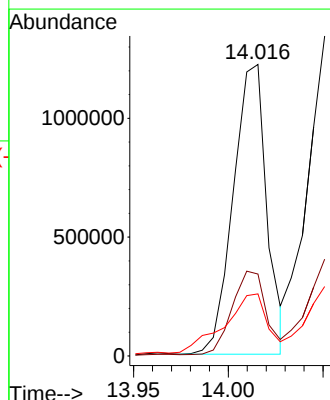
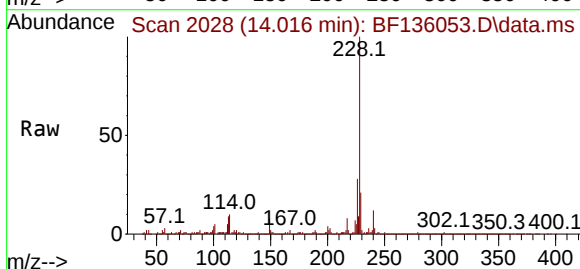
Tgt Ion:228 Resp: 1502758

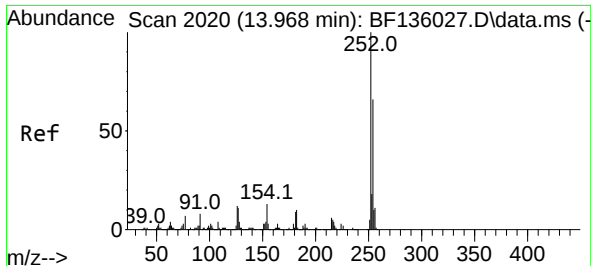
Ion Ratio Lower Upper

228 100

226 28.1 21.5 32.3

229 21.3 15.8 23.6

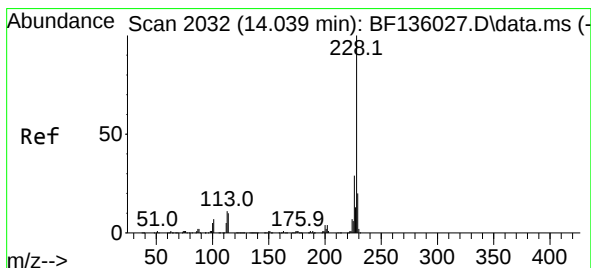
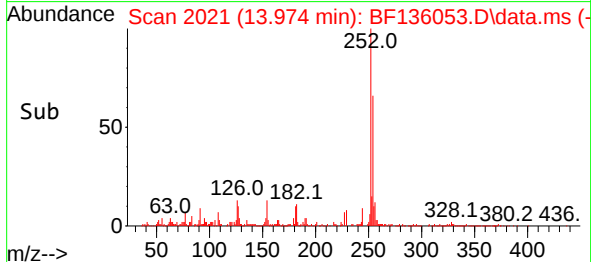
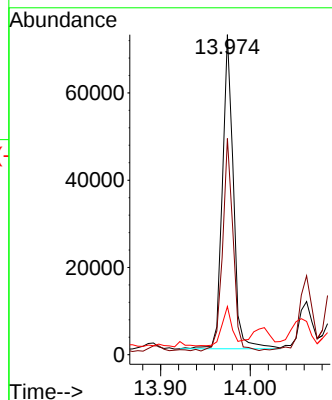
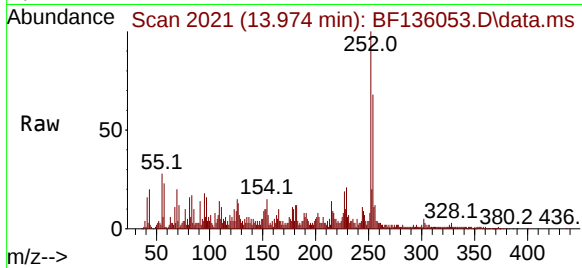




#82
 3,3'-Dichlorobenzidine
 Concen: 10.164 ng
 RT: 13.974 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF136053.D
 Acq: 31 Oct 2023 16:03

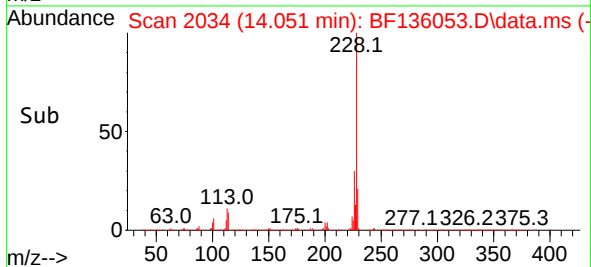
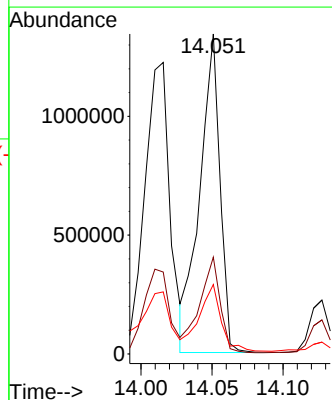
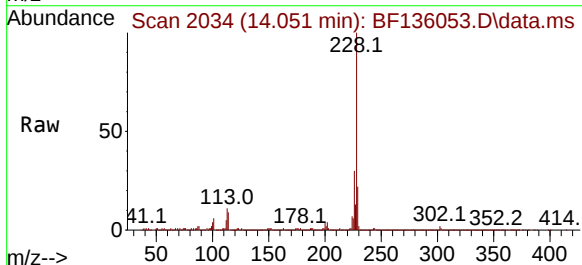
Instrument :
 BNA_F
 ClientSampleId :
 B-1(0-5)MSD

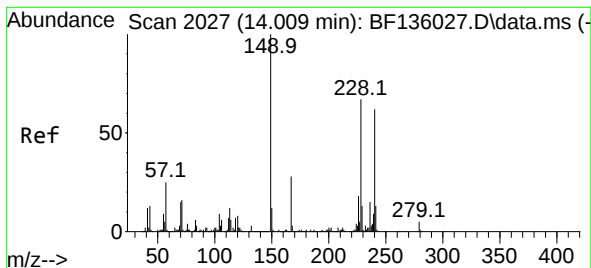
Tgt Ion:252 Resp: 61289
 Ion Ratio Lower Upper
 252 100
 254 67.5 52.5 78.7
 126 15.0 9.4 14.2#



#83
 Chrysene
 Concen: 71.343 ng
 RT: 14.051 min Scan# 2034
 Delta R.T. 0.012 min
 Lab File: BF136053.D
 Acq: 31 Oct 2023 16:03

Tgt Ion:228 Resp: 1327358
 Ion Ratio Lower Upper
 228 100
 226 30.2 23.5 35.3
 229 21.7 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 11.856 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

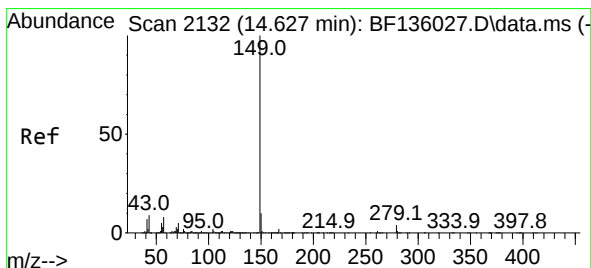
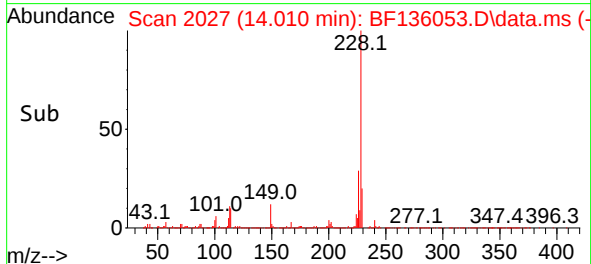
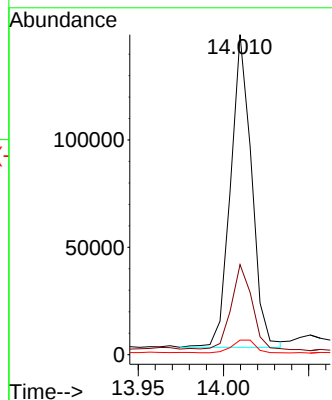
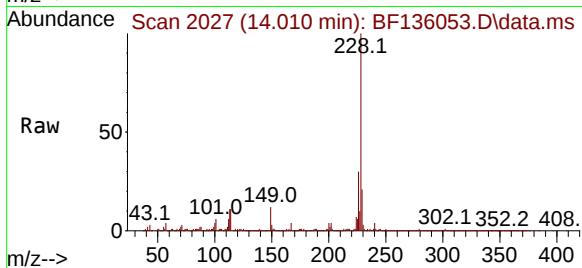
Tgt Ion:149 Resp: 124398

Ion Ratio Lower Upper

149 100

167 28.2 22.6 33.8

279 4.6 4.1 6.1



#85

Di-n-octyl phthalate

Concen: 15.397 ng

RT: 14.633 min Scan# 2133

Delta R.T. 0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

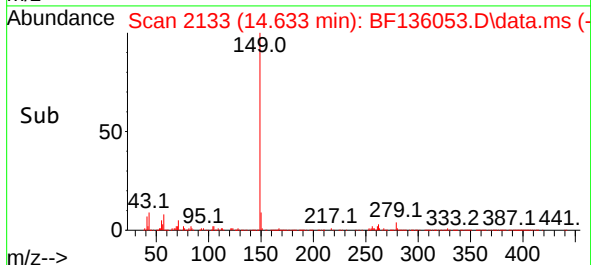
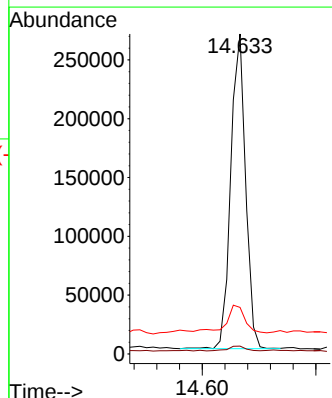
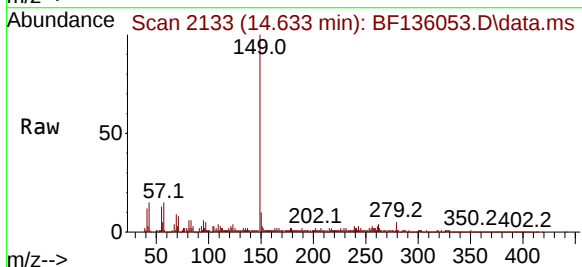
Tgt Ion:149 Resp: 242017

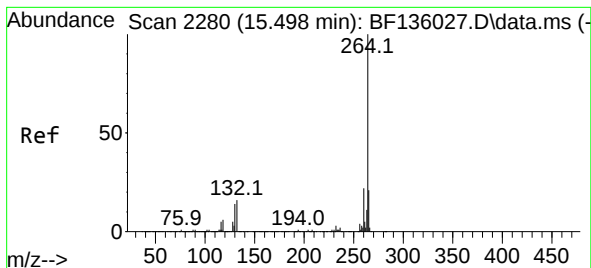
Ion Ratio Lower Upper

149 100

167 2.0 1.3 1.9#

43 10.9 7.6 11.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

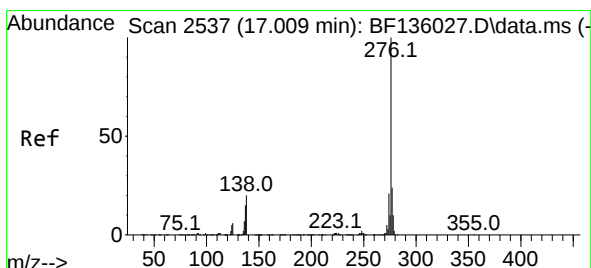
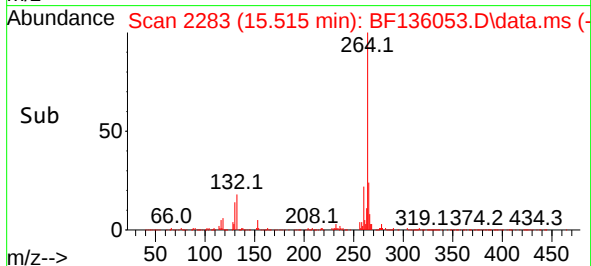
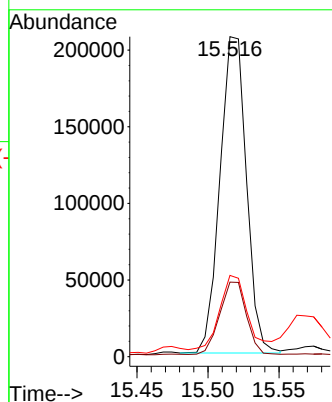
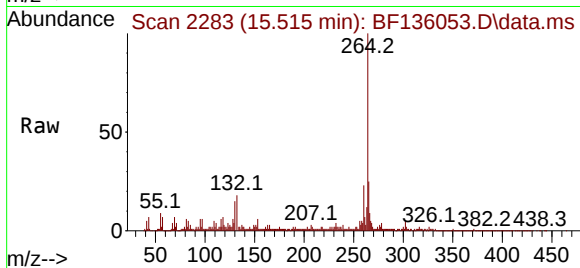
Tgt Ion:264 Resp: 267328

Ion Ratio Lower Upper

264 100

260 23.3 17.9 26.9

265 25.4 16.8 25.2#



#87

Indeno(1,2,3-cd)pyrene

Concen: 38.987 ng

RT: 17.039 min Scan# 2542

Delta R.T. 0.030 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

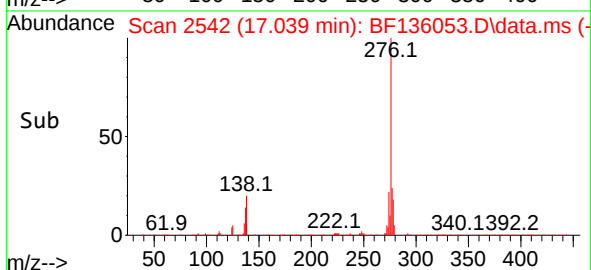
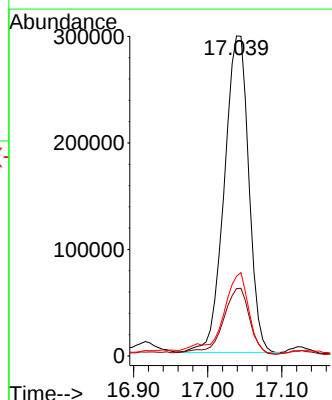
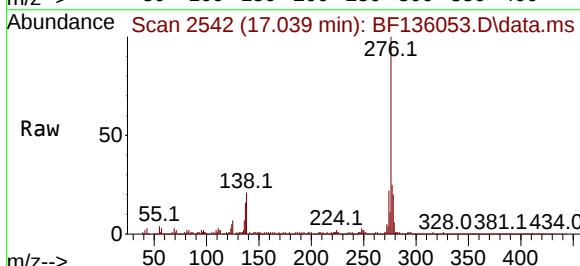
Tgt Ion:276 Resp: 681168

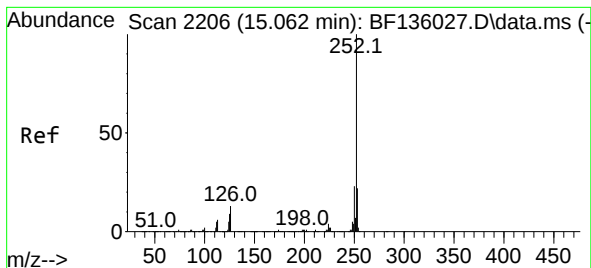
Ion Ratio Lower Upper

276 100

138 22.6 20.4 30.6

277 25.0 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 149.951 ng

RT: 15.086 min Scan# 2110

Delta R.T. 0.024 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

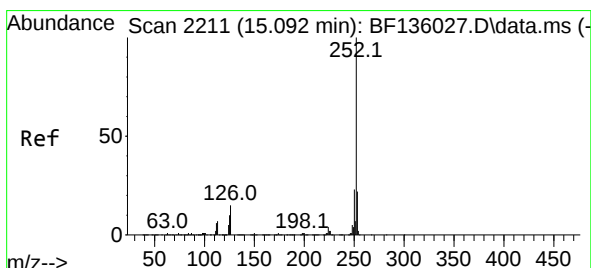
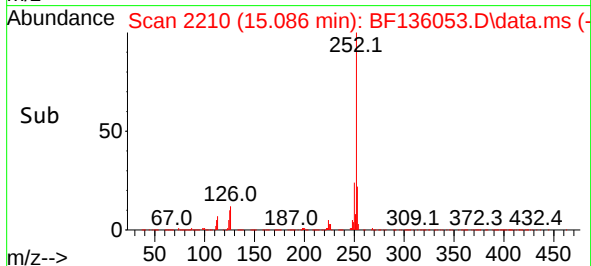
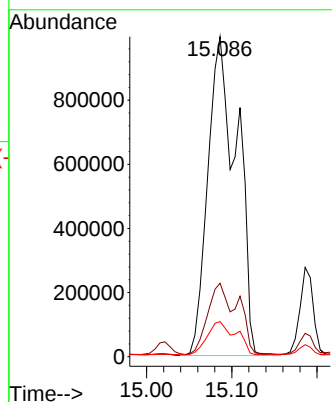
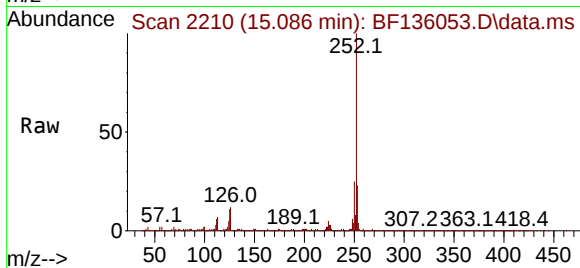
Tgt Ion:252 Resp: 2371964

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 11.0 7.5 11.3



#89

Benzo(k)fluoranthene

Concen: 151.550 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

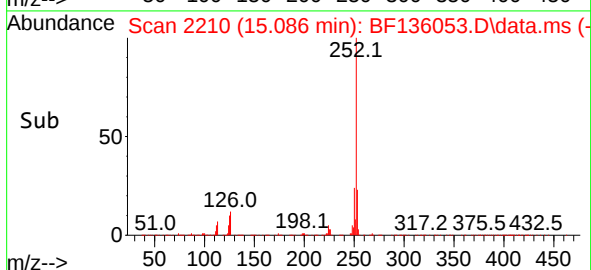
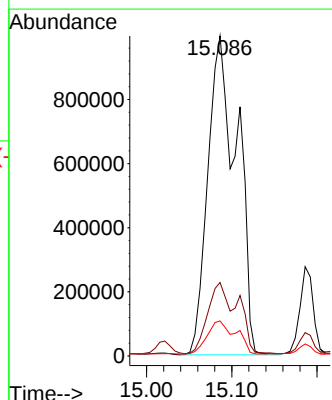
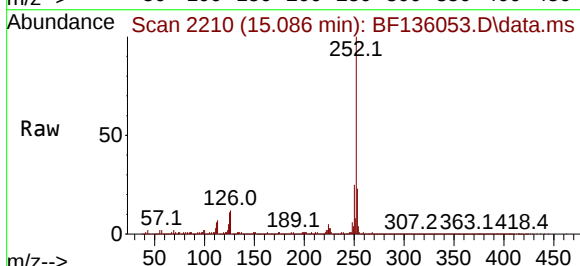
Tgt Ion:252 Resp: 2371964

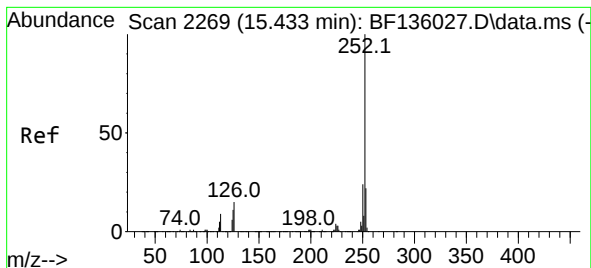
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 11.0 8.0 12.0





#90

Benzo(a)pyrene

Concen: 82.740 ng

RT: 15.463 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD

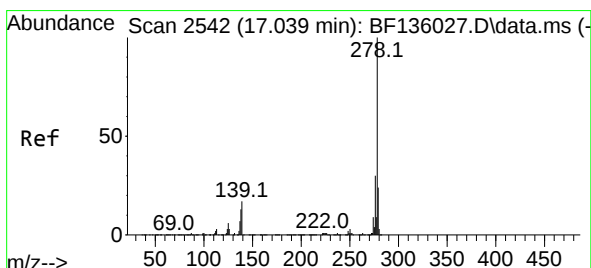
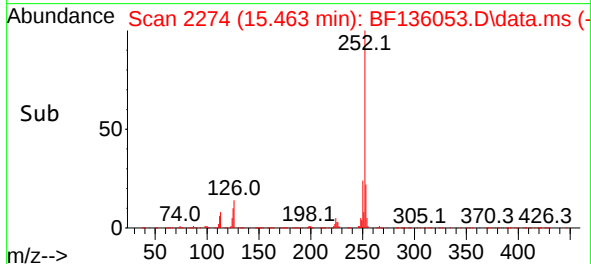
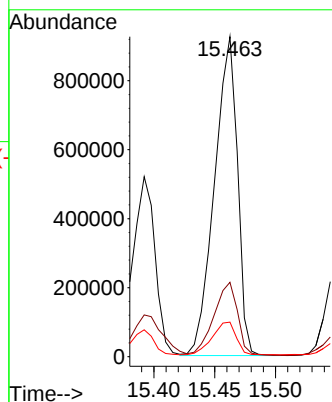
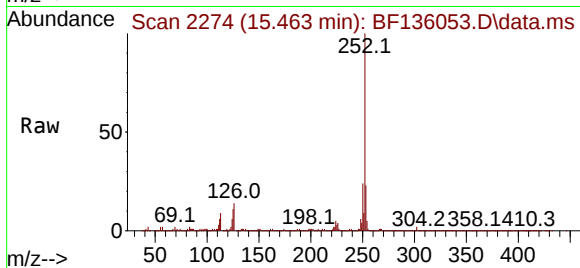
Tgt Ion:252 Resp: 1216086

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 10.8 9.0 13.6



#91

Dibenzo(a,h)anthracene

Concen: 17.679 ng

RT: 17.057 min Scan# 2545

Delta R.T. 0.018 min

Lab File: BF136053.D

Acq: 31 Oct 2023 16:03

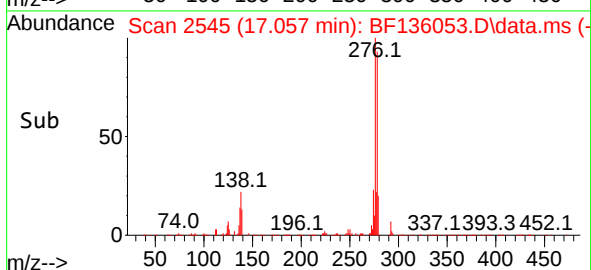
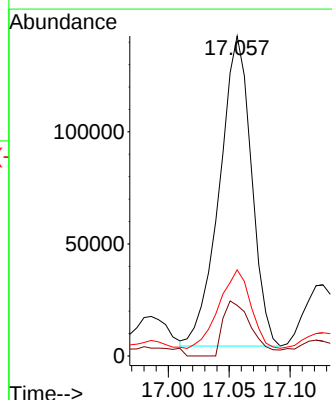
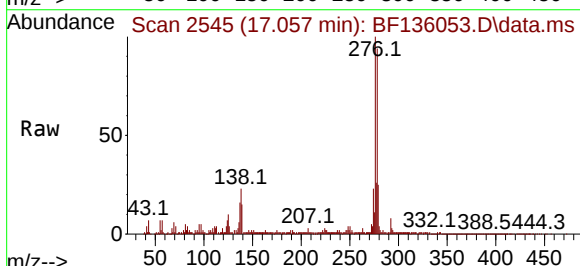
Tgt Ion:278 Resp: 253017

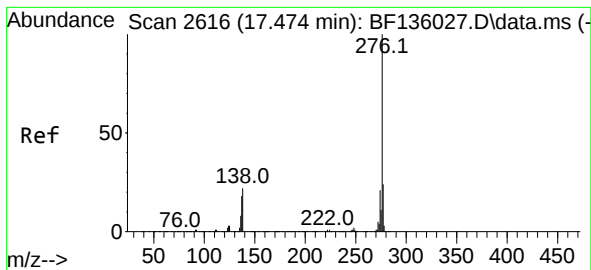
Ion Ratio Lower Upper

278 100

139 15.8 13.7 20.5

279 26.9 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 36.921 ng

RT: 17.504 min Scan# 20

Delta R.T. 0.030 min

Lab File: BF136053.D

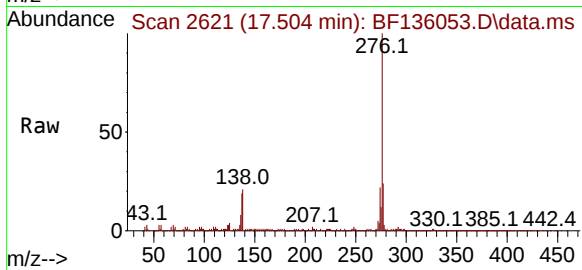
Acq: 31 Oct 2023 16:03

Instrument :

BNA_F

ClientSampleId :

B-1(0-5)MSD



Tgt Ion:276 Resp: 589997

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 21.3 17.4 26.2

