

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
 Data File : BF136046.D
 Acq On : 31 Oct 2023 12:27
 Operator : CG\JU
 Sample : PB156648BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB156648BS

Quant Time: Oct 31 13:00:27 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	6.828	152	156921	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	645577	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	338471	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	624459	20.000	ng	0.00
76) Chrysene-d12	14.016	240	320588	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	318491	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1305780	130.761	ng	0.01
7) Phenol-d6	6.469	99	1623471	130.483	ng	0.01
23) Nitrobenzene-d5	7.393	82	979114	91.427	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	502674	139.138	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1800991	84.821	ng	0.00
79) Terphenyl-d14	12.957	244	2043050	99.036	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	182366	41.939	ng	99
3) Pyridine	3.422	79	404119	34.048	ng	99
4) n-Nitrosodimethylamine	3.387	42	225303	45.401	ng	94
6) Aniline	6.487	93	580658	36.047	ng	94
8) 2-Chlorophenol	6.610	128	525599	49.231	ng	99
10) Phenol	6.481	94	621086	48.263	ng	88
11) bis(2-Chloroethyl)ether	6.569	93	485613	48.202	ng	99
12) 1,3-Dichlorobenzene	6.769	146	533180	47.983	ng	97
13) 1,4-Dichlorobenzene	6.846	146	533802	47.936	ng	99
14) 1,2-Dichlorobenzene	6.993	146	511505	49.124	ng	97
15) Benzyl Alcohol	6.969	79	422664	47.910	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.104	45	685366	49.424	ng	99
17) 2-Methylphenol	7.081	107	406973	44.935	ng	97
18) Hexachloroethane	7.340	117	191949	49.042	ng	90
19) n-Nitroso-di-n-propyla...	7.245	70	330524	46.493	ng	98
20) 3+4-Methylphenols	7.234	107	488298	44.214	ng	93
22) Acetophenone	7.240	105	659658	46.081	ng	# 93
24) Nitrobenzene	7.410	77	495778	45.767	ng	96
25) Isophorone	7.651	82	948222	46.900	ng	98
26) 2-Nitrophenol	7.722	139	260930	52.795	ng	95
27) 2,4-Dimethylphenol	7.763	122	455077	48.727	ng	99
28) bis(2-Chloroethoxy)met...	7.863	93	578115	46.669	ng	97
29) 2,4-Dichlorophenol	7.963	162	422387	47.974	ng	97
30) 1,2,4-Trichlorobenzene	8.051	180	458993	47.788	ng	98
31) Naphthalene	8.134	128	1432997	46.031	ng	100
32) Benzoic acid	7.892	122	358584	47.936	ng	98
33) 4-Chloroaniline	8.175	127	432695	31.738	ng	99
34) Hexachlorobutadiene	8.245	225	263392	47.818	ng	100
35) Caprolactam	8.557	113	92773	32.406	ng	97
36) 4-Chloro-3-methylphenol	8.663	107	444126	48.048	ng	98
37) 2-Methylnaphthalene	8.822	142	930779	44.591	ng	99
38) 1-Methylnaphthalene	8.922	142	868572	44.713	ng	99
40) 1,2,4,5-Tetrachloroben...	8.987	216	442419	45.833	ng	98
41) Hexachlorocyclopentadiene	8.975	237	537162	104.161	ng	99
43) 2,4,6-Trichlorophenol	9.098	196	300355	47.722	ng	99
44) 2,4,5-Trichlorophenol	9.145	196	326773	44.821	ng	98

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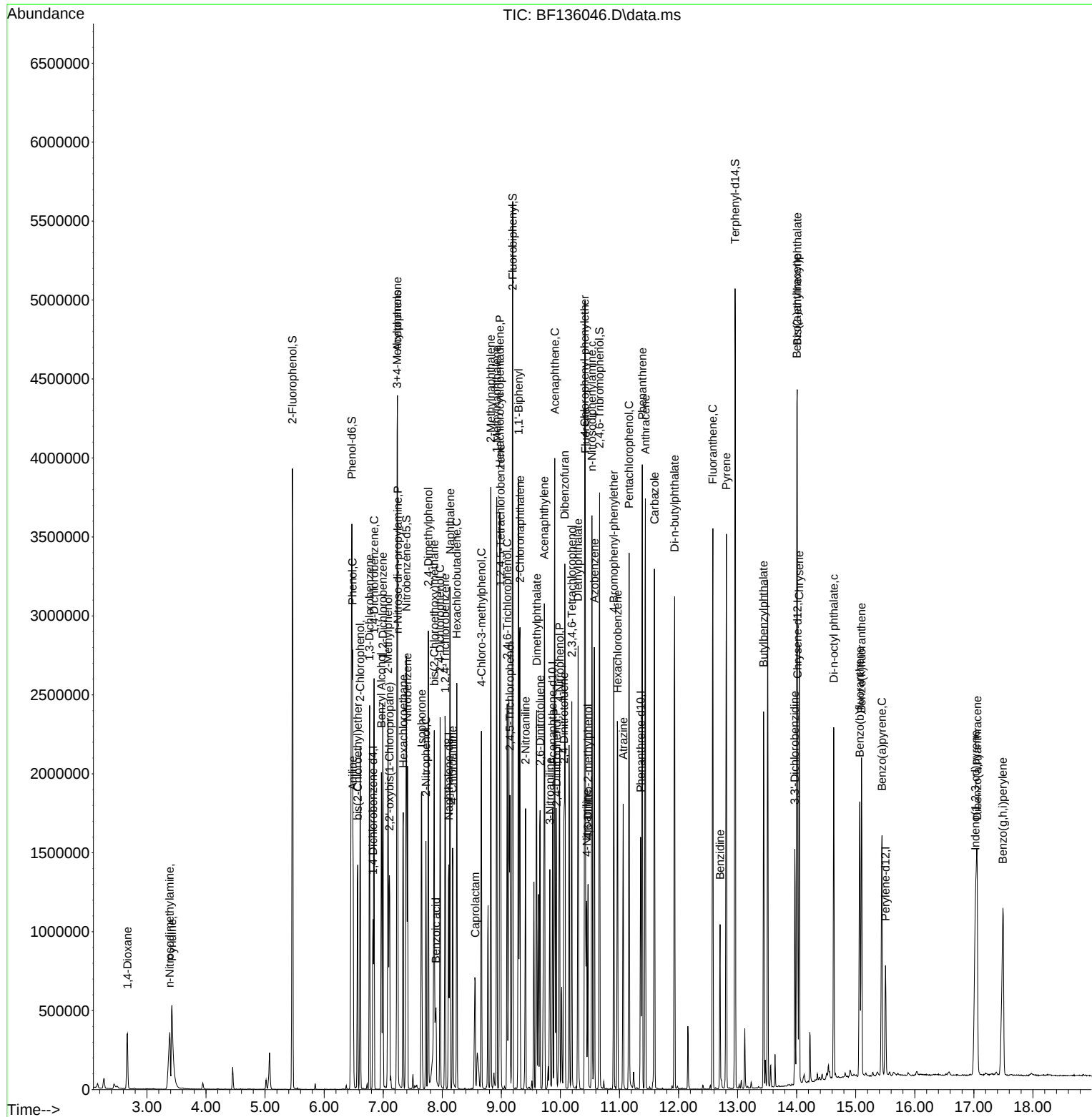
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.292	154	1183002	45.849	ng	98
47) 2-Chloronaphthalene	9.316	162	896409	47.127	ng	99
48) 2-Nitroaniline	9.410	65	271561	48.241	ng	99
49) Acenaphthylene	9.728	152	1368501	46.118	ng	99
50) Dimethylphthalate	9.598	163	1034266	46.326	ng	99
51) 2,6-Dinitrotoluene	9.657	165	238140	49.871	ng	94
52) Acenaphthene	9.904	154	885425	46.938	ng	98
53) 3-Nitroaniline	9.822	138	212478	38.136	ng	95
54) 2,4-Dinitrophenol	9.934	184	252427	95.790	ng	93
55) Dibenzofuran	10.075	168	1259902	45.804	ng	97
56) 4-Nitrophenol	9.986	139	397378	95.348	ng	90
57) 2,4-Dinitrotoluene	10.063	165	311958	51.635	ng	89
58) Fluorene	10.422	166	930648	45.189	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.192	232	282432	48.726	ng	100
60) Diethylphthalate	10.298	149	1008653	47.284	ng	99
61) 4-Chlorophenyl-phenyle...	10.410	204	464518	45.185	ng	96
62) 4-Nitroaniline	10.445	138	249233	46.455	ng	95
63) Azobenzene	10.575	77	954108	46.442	ng	97
65) 4,6-Dinitro-2-methylph...	10.469	198	171530	49.751	ng	90
66) n-Nitrosodiphenylamine	10.533	169	885169	46.989	ng	99
67) 4-Bromophenyl-phenylether	10.904	248	314393	48.021	ng	94
68) Hexachlorobenzene	10.969	284	350249	50.091	ng	99
69) Atrazine	11.063	200	200539	39.127	ng	99
70) Pentachlorophenol	11.163	266	393656	87.662	ng	99
71) Phenanthrene	11.386	178	1447685	46.043	ng	99
72) Anthracene	11.439	178	1480362	45.948	ng	100
73) Carbazole	11.592	167	1295042	46.256	ng	99
74) Di-n-butylphthalate	11.933	149	1536525	48.029	ng	99
75) Fluoranthene	12.580	202	1428821	44.236	ng	99
77) Benzidine	12.704	184	381641	61.077	ng	99
78) Pyrene	12.810	202	1454142	51.447	ng	100
80) Butylbenzylphthalate	13.439	149	529907	52.376	ng	99
81) Benzo(a)anthracene	14.004	228	992230	46.751	ng	99
82) 3,3'-Dichlorobenzidine	13.969	252	320253	47.277	ng	98
83) Chrysene	14.045	228	955247	45.702	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	633485	53.743	ng	99
85) Di-n-octyl phthalate	14.627	149	1024228	58.003	ng	100
87) Indeno(1,2,3-cd)pyrene	17.027	276	1135170	54.535	ng	99
88) Benzo(b)fluoranthene	15.068	252	887907	47.115	ng	99
89) Benzo(k)fluoranthene	15.098	252	878254	47.100	ng	99
90) Benzo(a)pyrene	15.445	252	792693	45.270	ng	99
91) Dibenzo(a,h)anthracene	17.057	278	934634	54.816	ng	98
92) Benzo(g,h,i)perylene	17.492	276	953567	49.055	ng	100

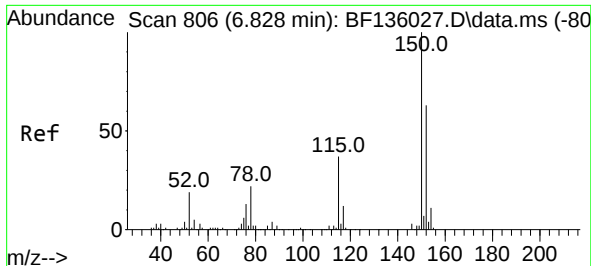
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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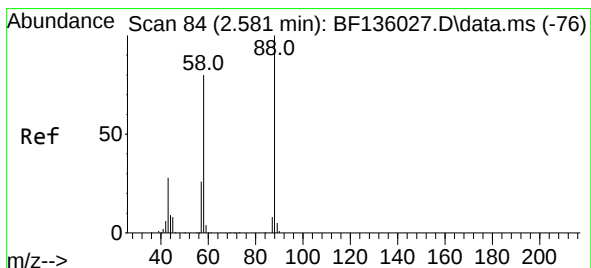
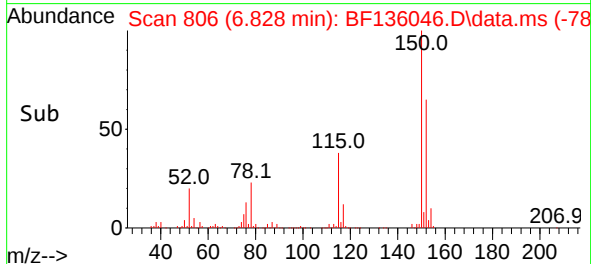
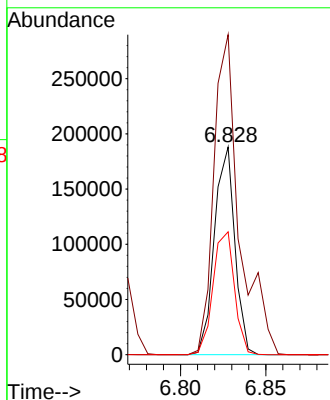
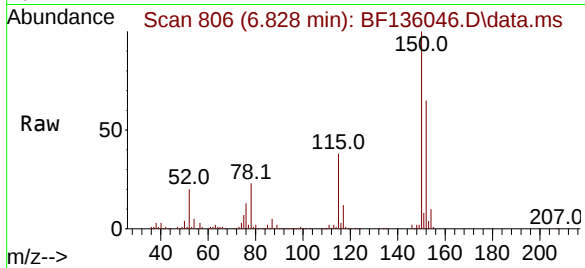




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF136046.D
 Acq: 31 Oct 2023 12:27

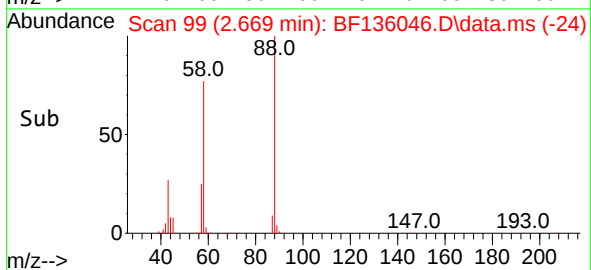
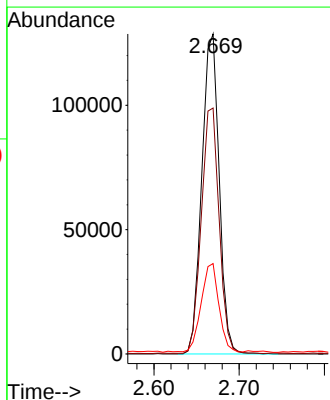
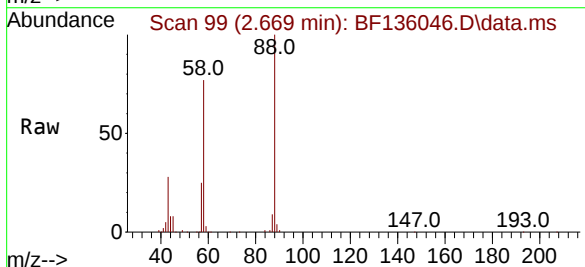
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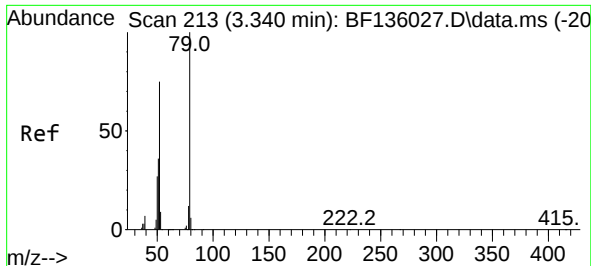
Tgt Ion:152 Resp: 156921
 Ion Ratio Lower Upper
 152 100
 150 154.1 126.4 189.6
 115 59.2 47.0 70.4



#2
 1,4-Dioxane
 Concen: 41.939 ng
 RT: 2.669 min Scan# 99
 Delta R.T. 0.088 min
 Lab File: BF136046.D
 Acq: 31 Oct 2023 12:27

Tgt Ion: 88 Resp: 182366
 Ion Ratio Lower Upper
 88 100
 58 78.7 64.3 96.5
 43 28.1 22.3 33.5

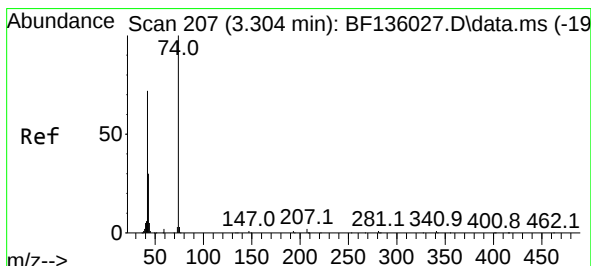
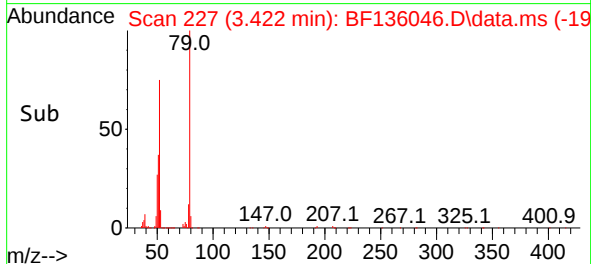
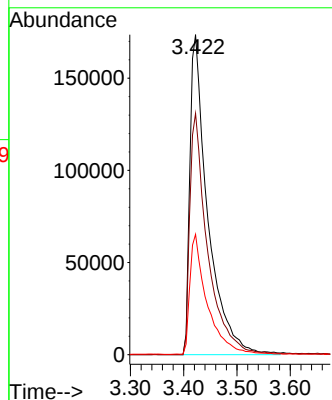
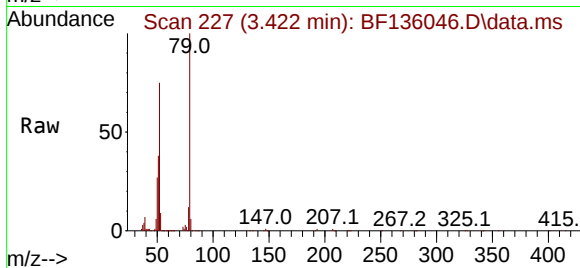




#3
Pyridine
Concen: 34.048 ng
RT: 3.422 min Scan# 21
Delta R.T. 0.083 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

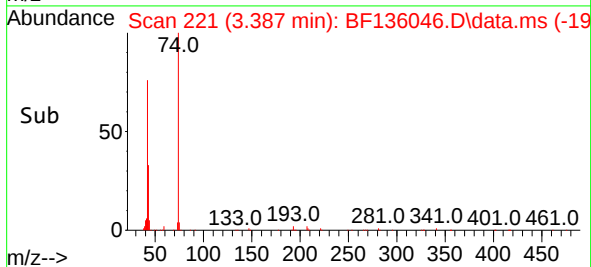
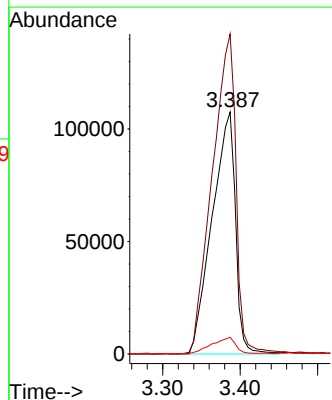
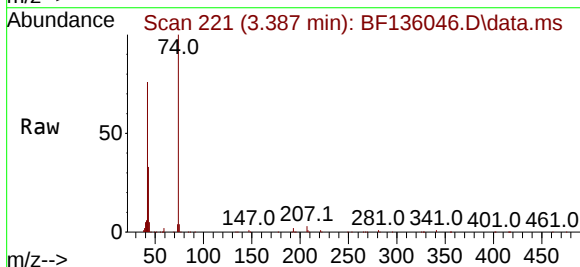
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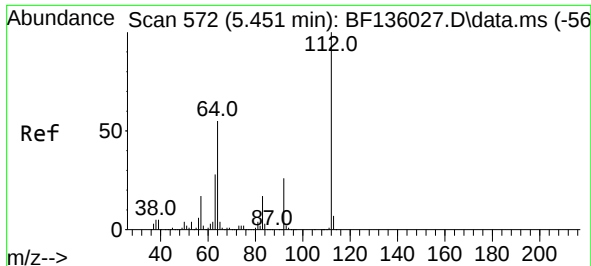
Tgt Ion: 79 Resp: 404119
Ion Ratio Lower Upper
79 100
52 75.4 60.3 90.5
51 37.6 29.3 43.9



#4
n-Nitrosodimethylamine
Concen: 45.401 ng
RT: 3.387 min Scan# 221
Delta R.T. 0.083 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion: 42 Resp: 225303
Ion Ratio Lower Upper
42 100
74 132.3 111.8 167.6
44 6.9 6.2 9.4

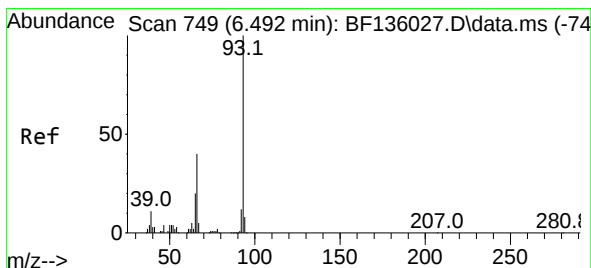
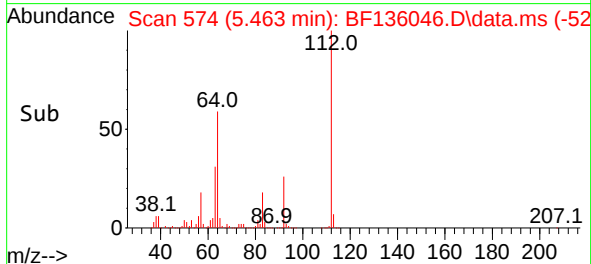
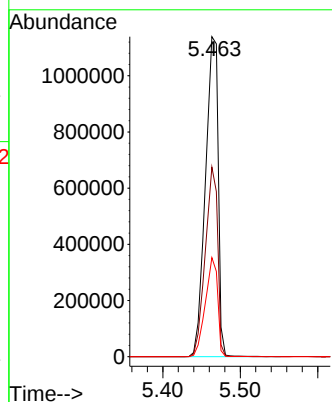
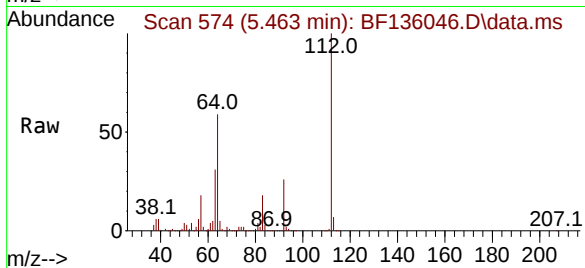




#5
2-Fluorophenol
Concen: 130.761 ng
RT: 5.463 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

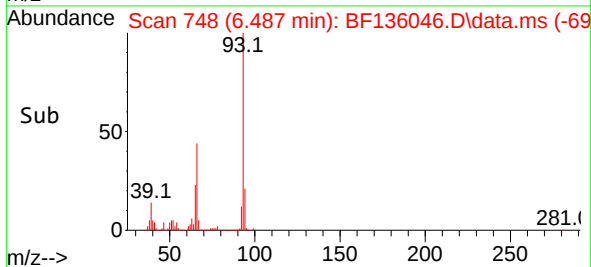
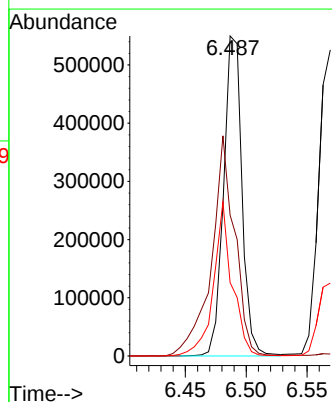
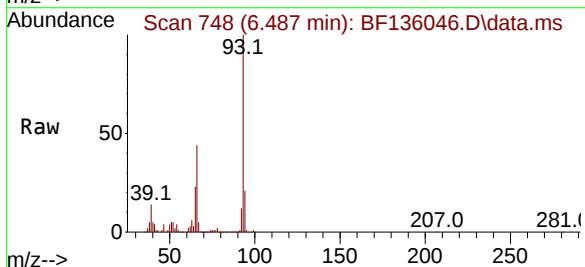
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Tgt Ion:112 Resp: 1305780
Ion Ratio Lower Upper
112 100
64 59.2 43.9 65.9
63 30.9 22.4 33.6



#6
Aniline
Concen: 36.047 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion: 93 Resp: 580658
Ion Ratio Lower Upper
93 100
66 44.0 32.4 48.6
65 22.9 16.2 24.2

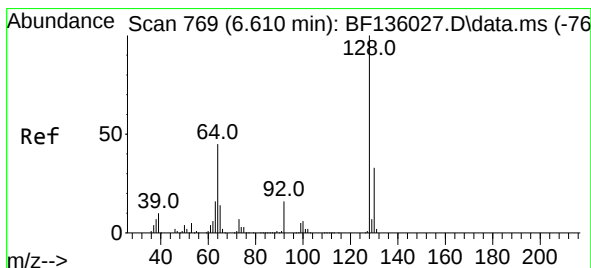
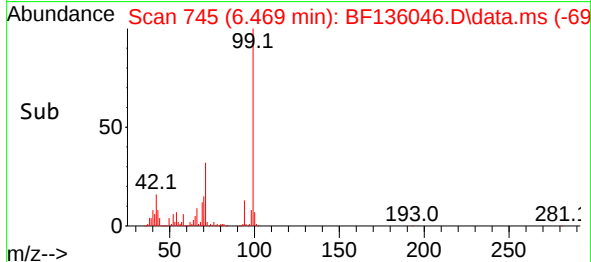
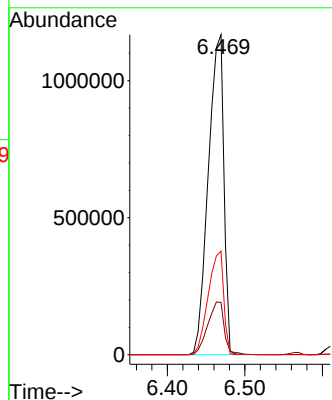
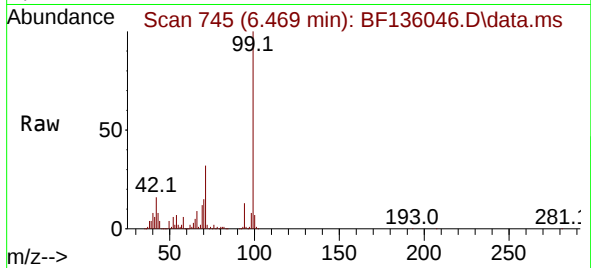




#7
Phenol-d6
Concen: 130.483 ng
RT: 6.469 min Scan# 743
Delta R.T. 0.012 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

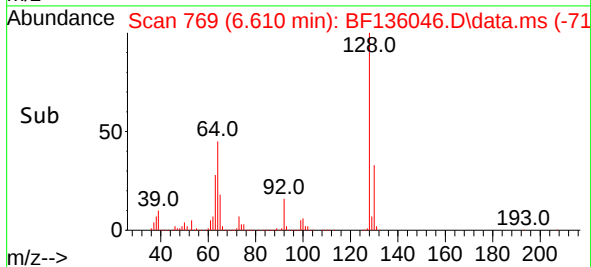
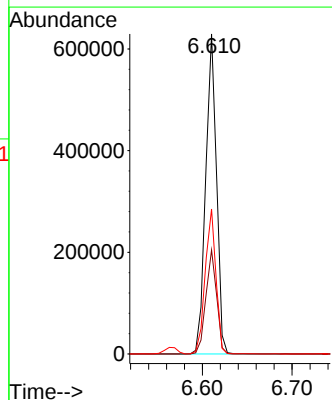
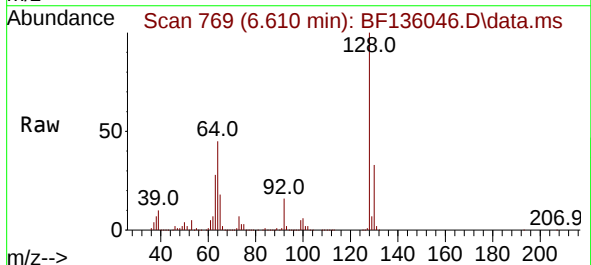
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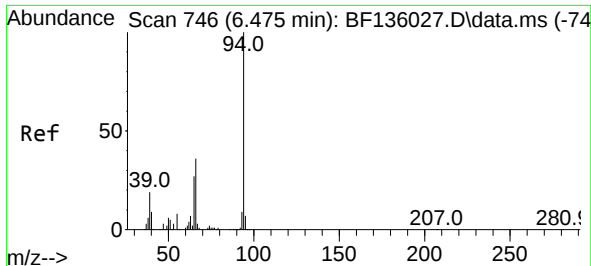
Tgt Ion: 99 Resp: 1623471
Ion Ratio Lower Upper
99 100
42 16.3 13.7 20.5
71 32.3 25.9 38.9



#8
2-Chlorophenol
Concen: 49.231 ng
RT: 6.610 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion: 128 Resp: 525599
Ion Ratio Lower Upper
128 100
130 32.5 12.8 52.8
64 45.3 25.8 65.8

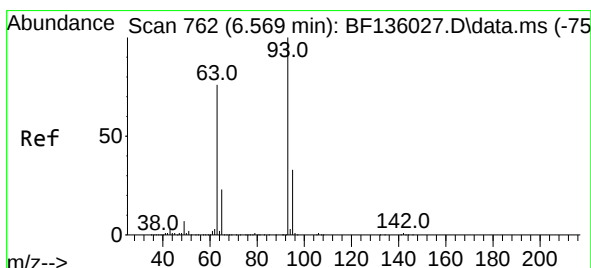
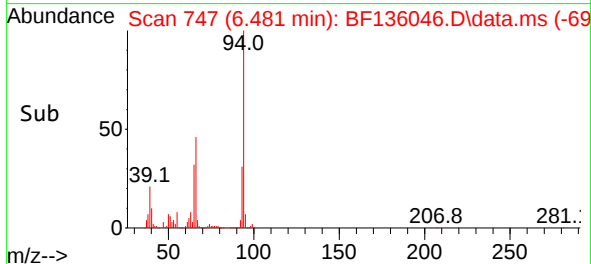
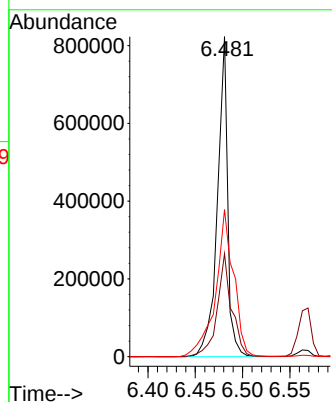
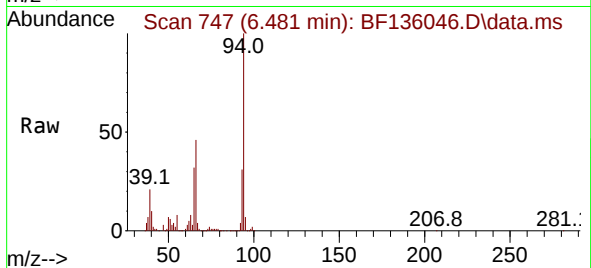




#10
Phenol
Concen: 48.263 ng
RT: 6.481 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF136046.D
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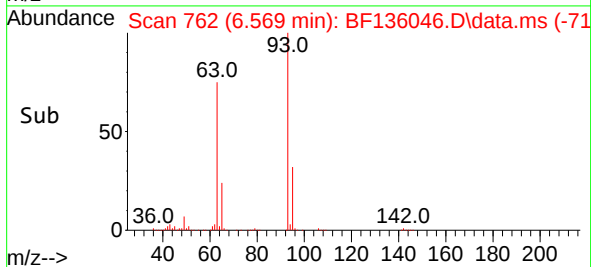
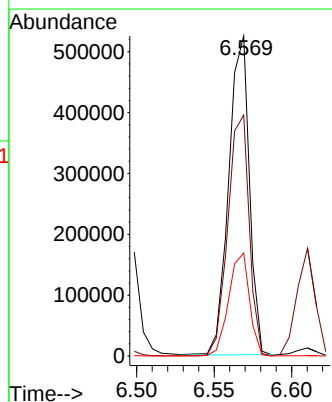
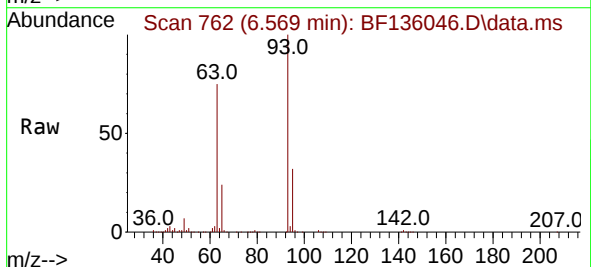
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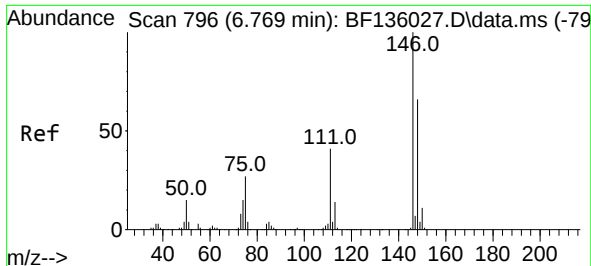
Tgt Ion: 94 Resp: 621086
Ion Ratio Lower Upper
94 100
65 32.2 7.5 47.5
66 46.0 17.1 57.1



#11
bis(2-Chloroethyl)ether
Concen: 48.202 ng
RT: 6.569 min Scan# 762
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion: 93 Resp: 485613
Ion Ratio Lower Upper
93 100
63 75.3 55.8 95.8
95 32.1 12.9 52.9

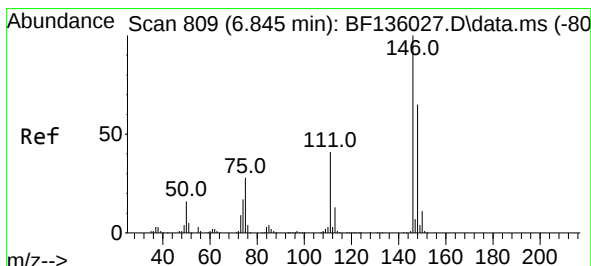
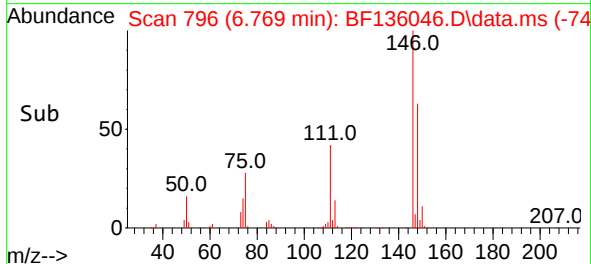
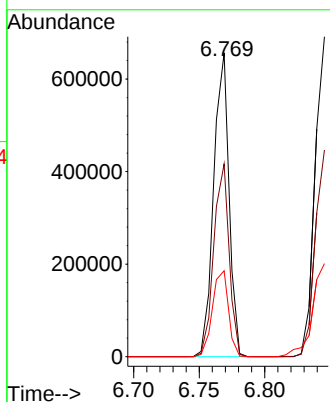
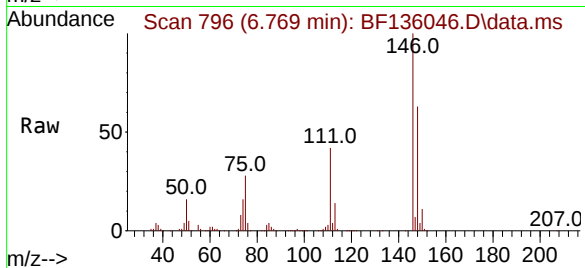




#12
1,3-Dichlorobenzene
Concen: 47.983 ng
RT: 6.769 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

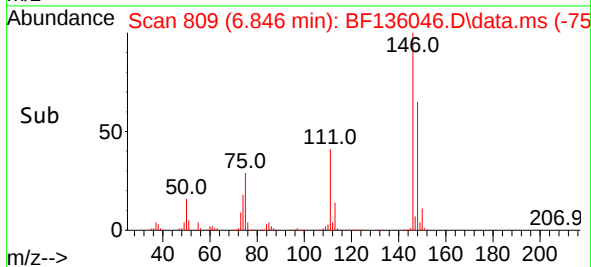
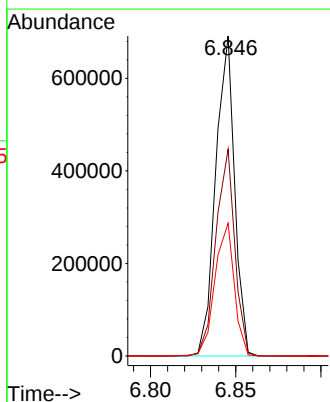
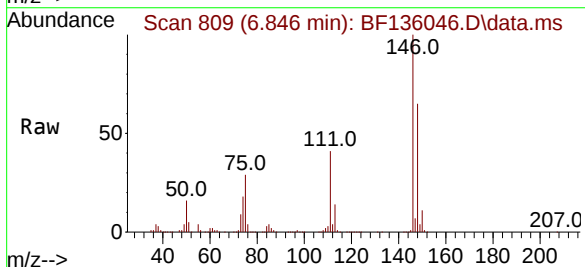
Instrument :
BNA_F
ClientSampleId :
PB156648BS

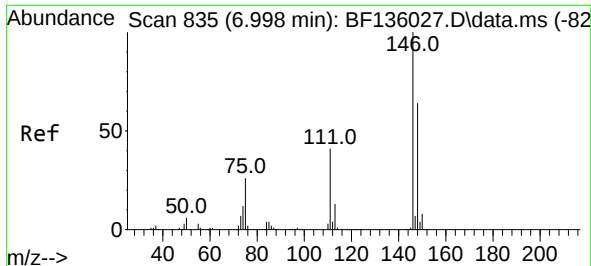
Tgt Ion:146 Resp: 533180
Ion Ratio Lower Upper
146 100
148 63.5 52.6 78.8
75 28.3 21.6 32.4



#13
1,4-Dichlorobenzene
Concen: 47.936 ng
RT: 6.846 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:146 Resp: 533802
Ion Ratio Lower Upper
146 100
148 64.6 52.1 78.1
111 41.5 32.6 48.8

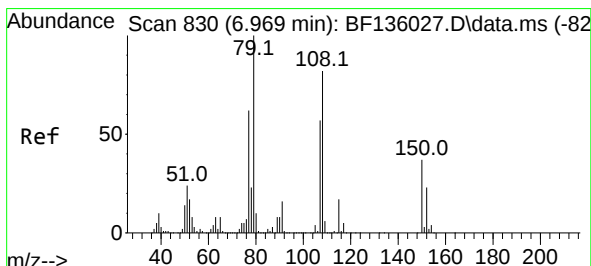
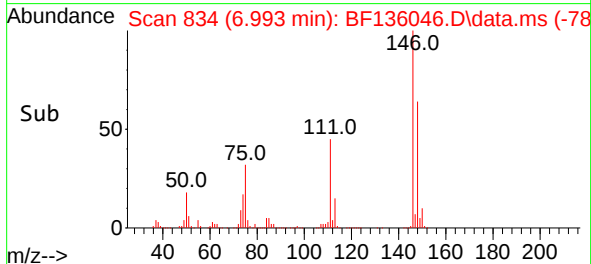
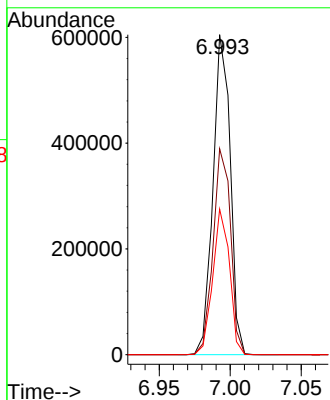
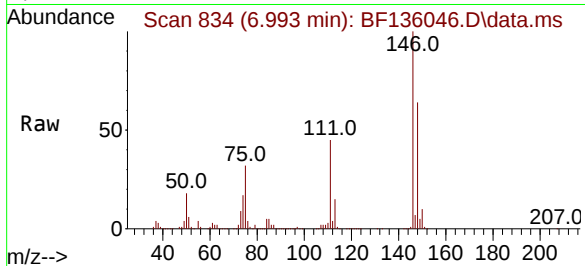




#14
1,2-Dichlorobenzene
Concen: 49.124 ng
RT: 6.993 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

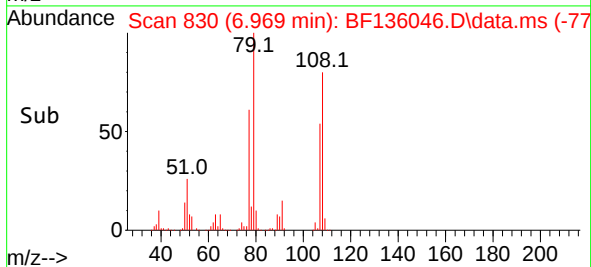
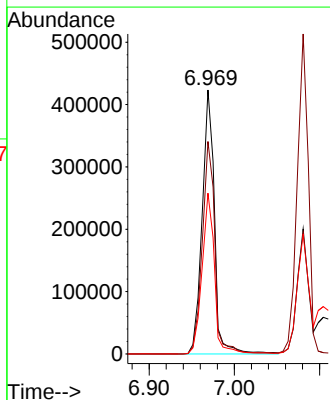
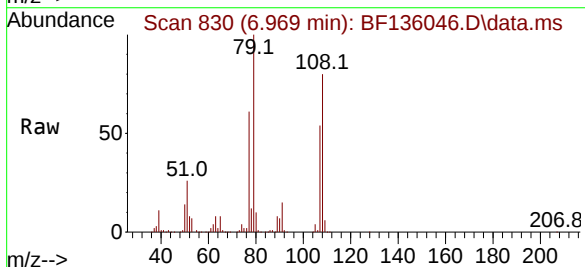
Instrument :
BNA_F
ClientSampleId :
PB156648BS

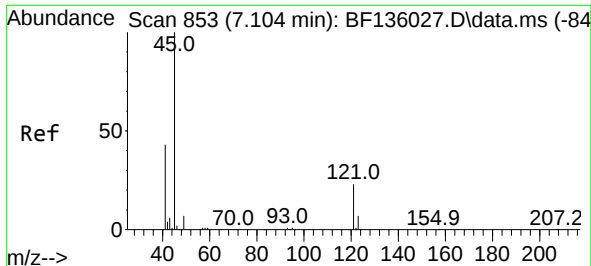
Tgt Ion:146 Resp: 511505
Ion Ratio Lower Upper
146 100
148 64.3 51.4 77.2
111 45.5 33.0 49.4



#15
Benzyl Alcohol
Concen: 47.910 ng
RT: 6.969 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion: 79 Resp: 422664
Ion Ratio Lower Upper
79 100
108 80.5 65.9 98.9
77 60.9 49.4 74.2

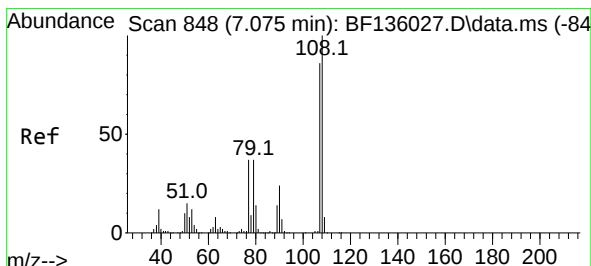
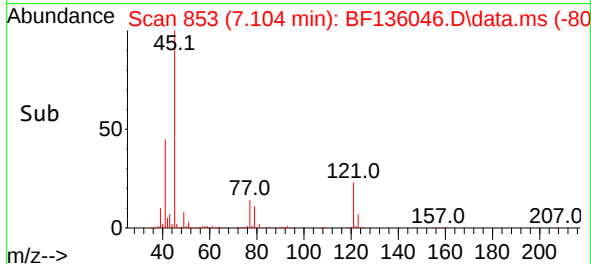
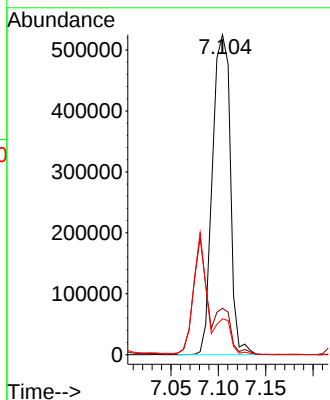
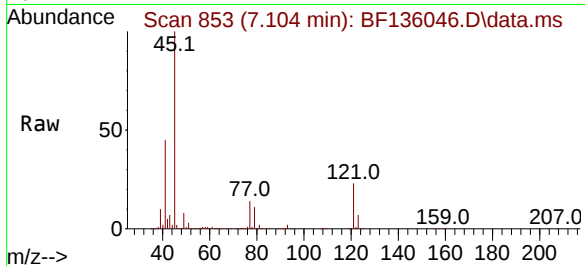




#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.424 ng
RT: 7.104 min Scan# 853
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

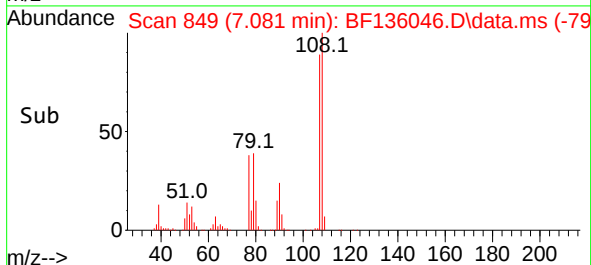
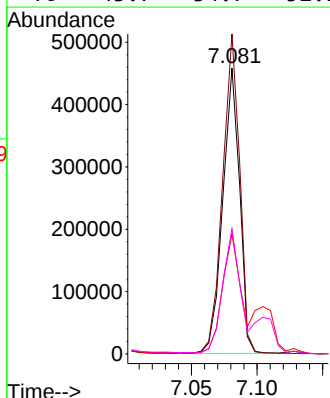
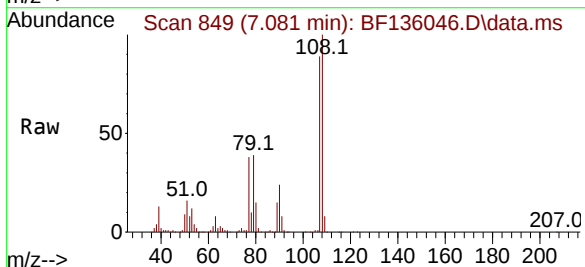
Instrument :
BNA_F
ClientSampleId :
PB156648BS

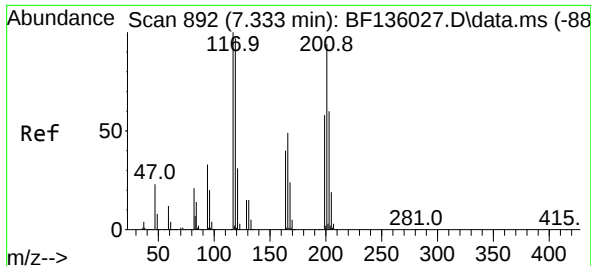
Tgt Ion: 45 Resp: 685366
Ion Ratio Lower Upper
45 100
77 14.5 0.0 34.6
79 11.2 0.0 30.6



#17
2-Methylphenol
Concen: 44.935 ng
RT: 7.081 min Scan# 849
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion: 107 Resp: 406973
Ion Ratio Lower Upper
107 100
108 112.0 93.4 140.2
77 42.0 34.4 51.6
79 43.7 34.7 52.1

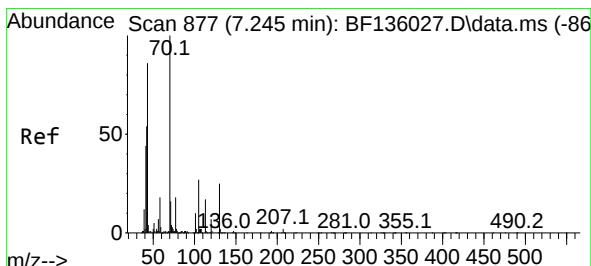
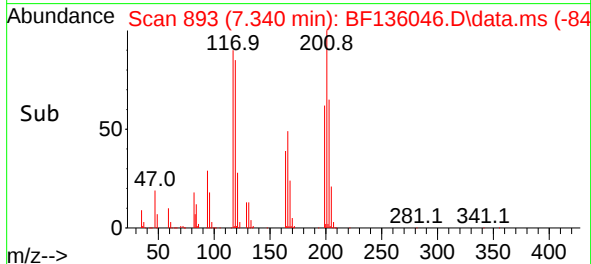
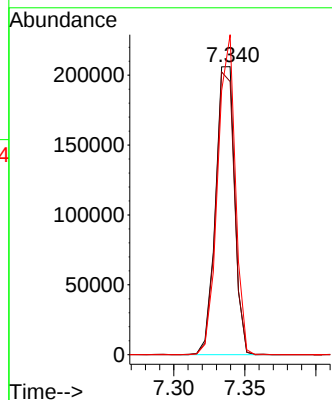
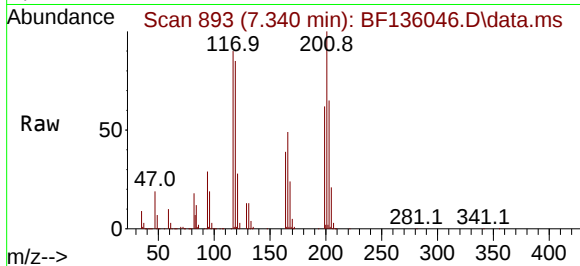




#18
Hexachloroethane
Concen: 49.042 ng
RT: 7.340 min Scan# 892
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

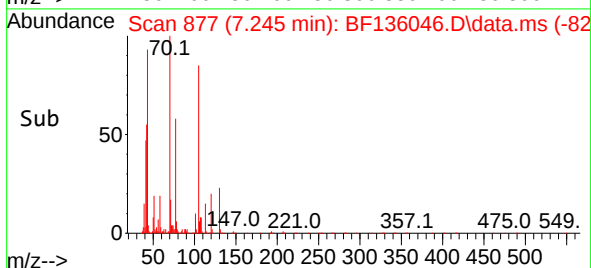
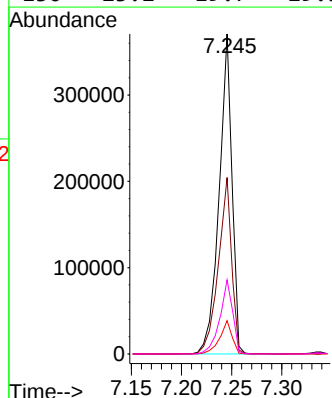
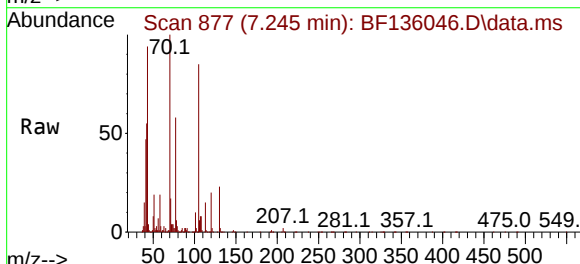
Instrument :
BNA_F
ClientSampleId :
PB156648BS

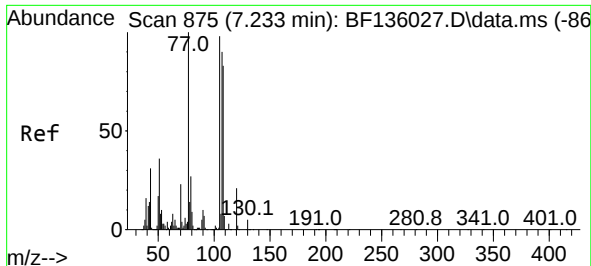
Tgt Ion:117 Resp: 191949
Ion Ratio Lower Upper
117 100
119 94.8 77.7 116.5
201 111.1 75.0 112.6



#19
n-Nitroso-di-n-propylamine
Concen: 46.493 ng
RT: 7.245 min Scan# 877
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion: 70 Resp: 330524
Ion Ratio Lower Upper
70 100
42 55.2 43.0 64.4
101 10.4 8.0 12.0
130 23.2 19.7 29.5





#20

3+4-Methylphenols

Concen: 44.214 ng

RT: 7.234 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF136046.D

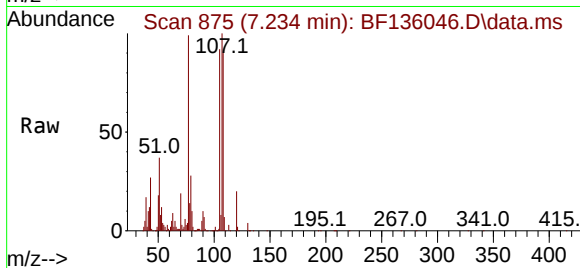
Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS



Tgt Ion:107 Resp: 488298

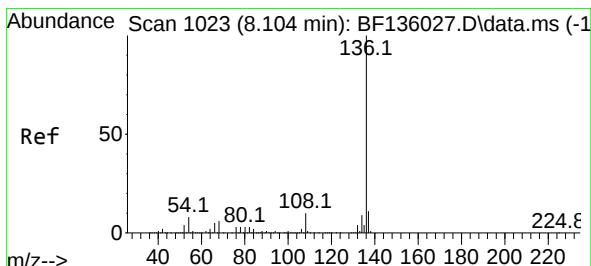
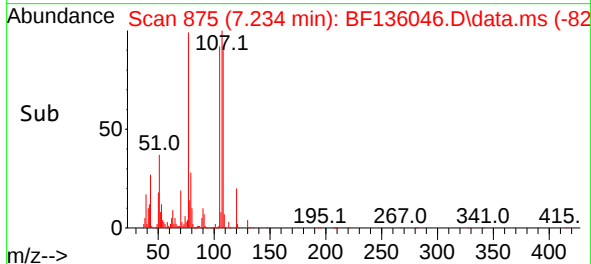
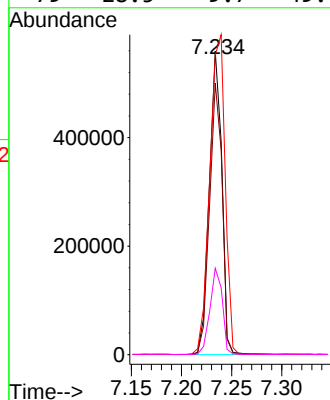
Ion Ratio Lower Upper

107 100

108 89.5 72.3 112.3

77 98.6 91.4 131.4

79 28.5 9.7 49.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1024

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Tgt Ion:136 Resp: 645577

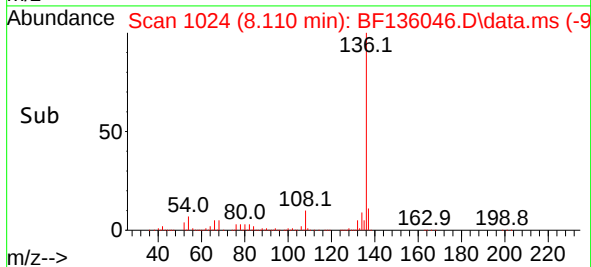
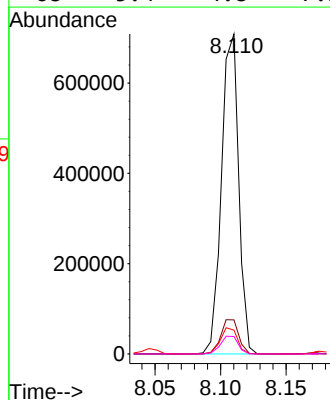
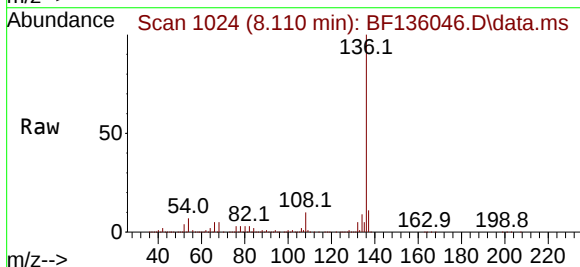
Ion Ratio Lower Upper

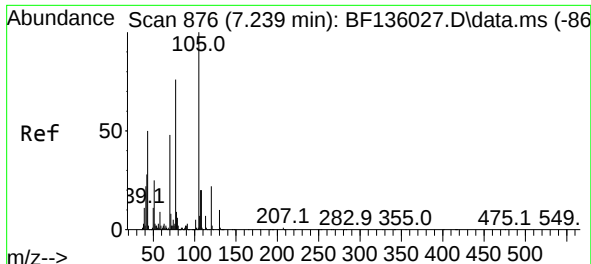
136 100

137 10.6 8.6 13.0

54 7.5 6.6 9.8

68 5.4 4.8 7.2

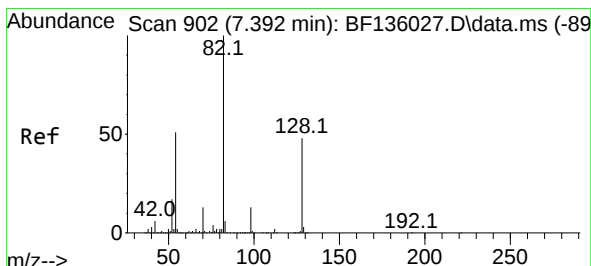
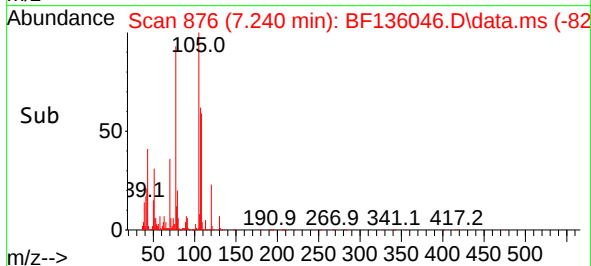
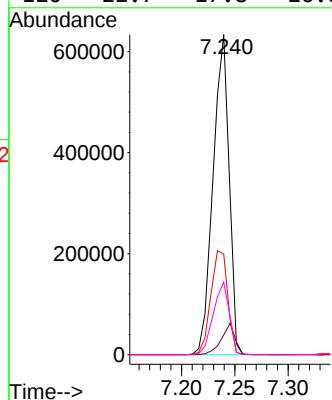
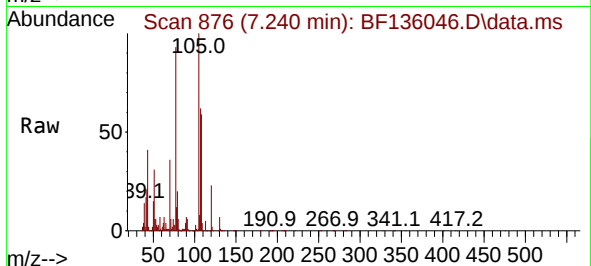




#22
Acetophenone
Concen: 46.081 ng
RT: 7.240 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

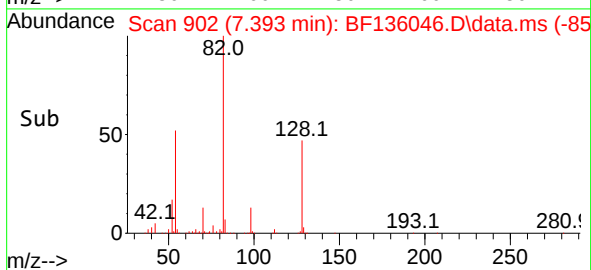
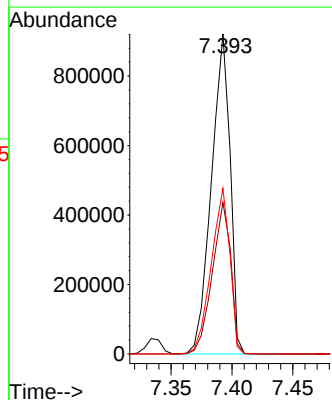
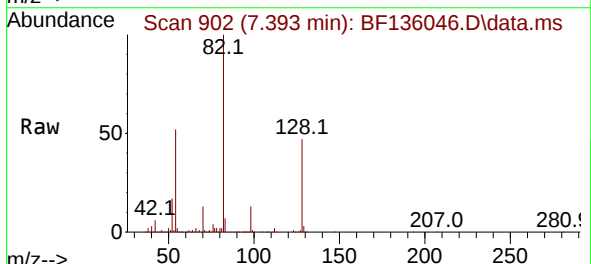
Instrument :
BNA_F
ClientSampleId :
PB156648BS

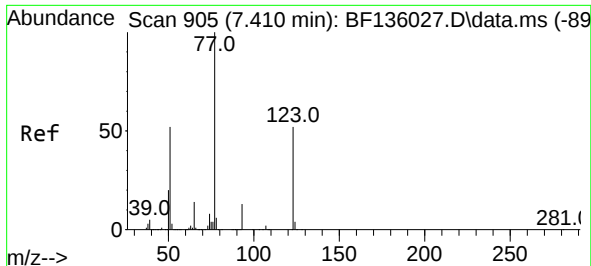
Tgt Ion:105 Resp: 659658
Ion Ratio Lower Upper
105 100
71 6.2 6.5 9.7#
51 31.5 20.3 30.5#
120 22.7 17.8 26.8



#23
Nitrobenzene-d5
Concen: 91.427 ng
RT: 7.393 min Scan# 902
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion: 82 Resp: 979114
Ion Ratio Lower Upper
82 100
128 47.3 38.6 57.8
54 51.7 40.8 61.2

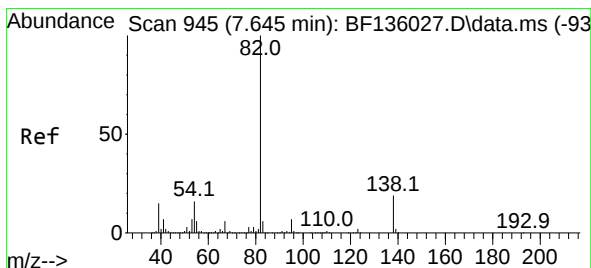
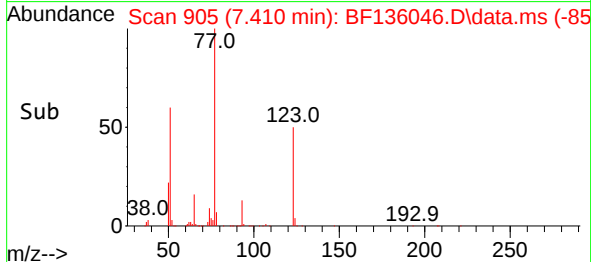
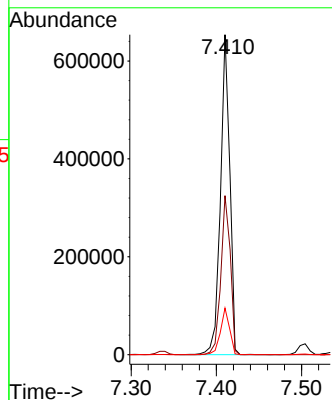
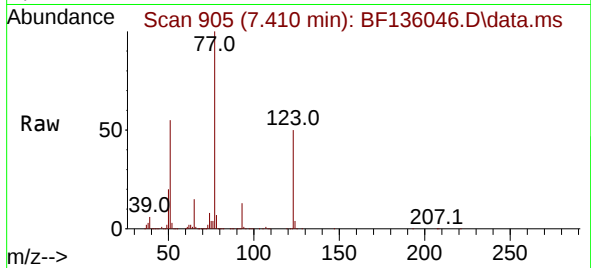




#24
Nitrobenzene
Concen: 45.767 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

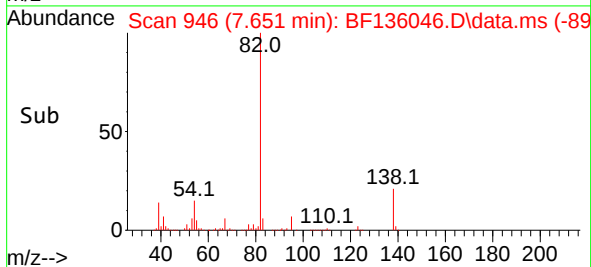
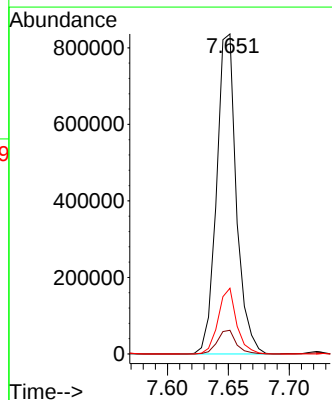
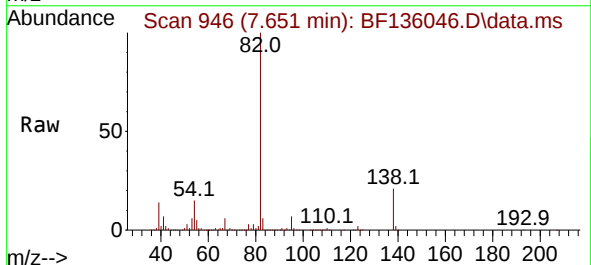
Instrument :
BNA_F
ClientSampleId :
PB156648BS

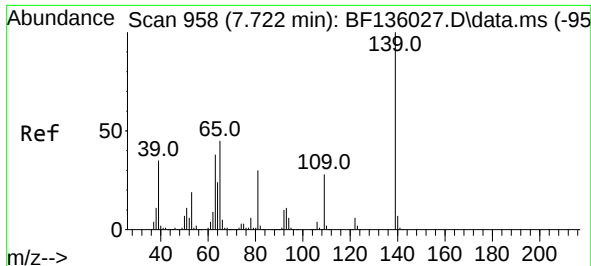
Tgt Ion: 77 Resp: 495778
Ion Ratio Lower Upper
77 100
123 49.7 42.3 63.5
65 14.5 11.0 16.6



#25
Isophorone
Concen: 46.900 ng
RT: 7.651 min Scan# 946
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion: 82 Resp: 948222
Ion Ratio Lower Upper
82 100
95 7.4 5.9 8.9
138 20.6 15.3 22.9

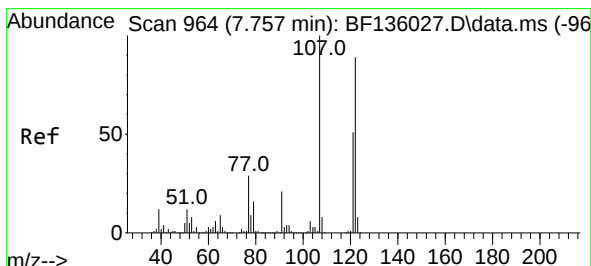
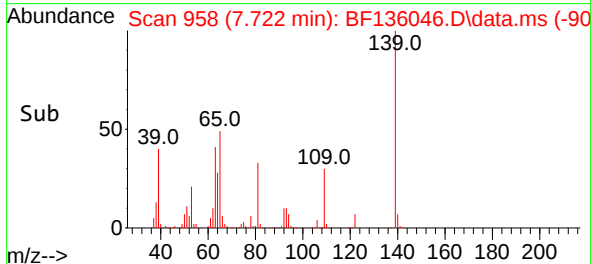
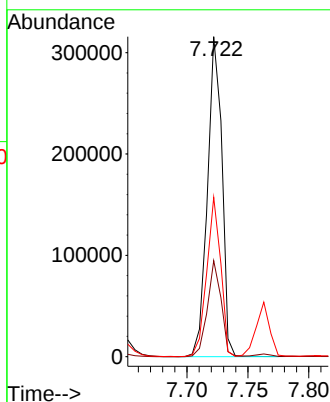
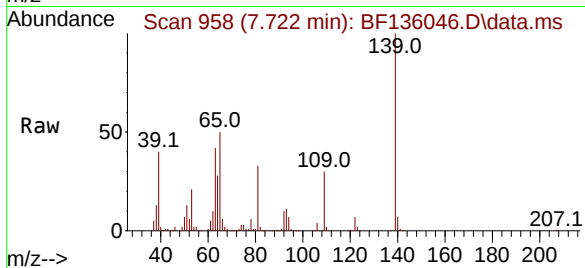




#26
2-Nitrophenol
Concen: 52.795 ng
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

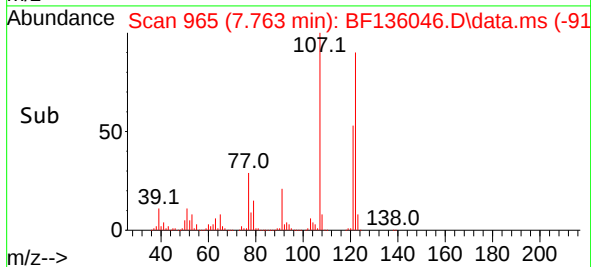
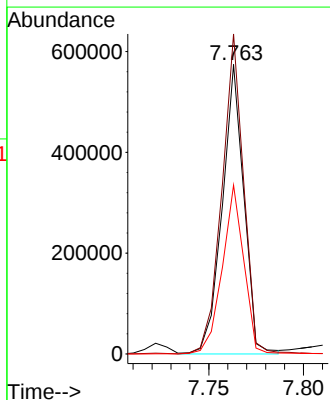
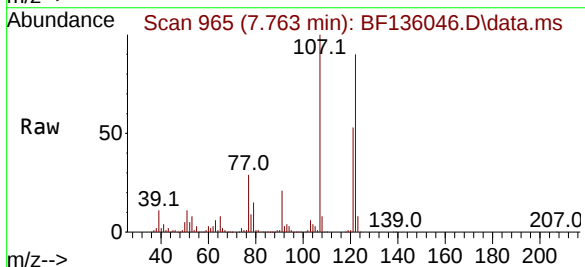
Instrument :
BNA_F
ClientSampleId :
PB156648BS

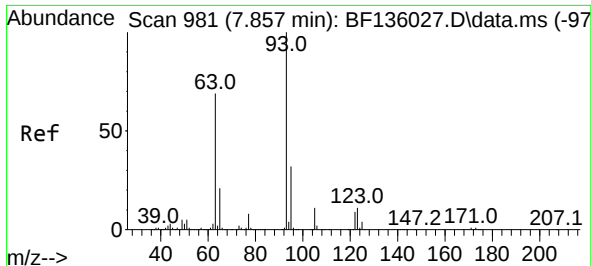
Tgt Ion:139 Resp: 260930
Ion Ratio Lower Upper
139 100
109 30.0 22.6 34.0
65 49.8 36.3 54.5



#27
2,4-Dimethylphenol
Concen: 48.727 ng
RT: 7.763 min Scan# 965
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:122 Resp: 455077
Ion Ratio Lower Upper
122 100
107 110.5 89.6 134.4
121 58.3 46.0 69.0





#28
bis(2-Chloroethoxy)methane
Concen: 46.669 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

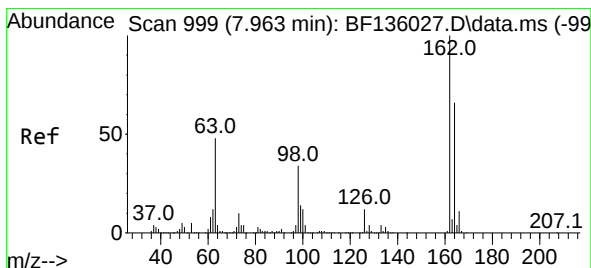
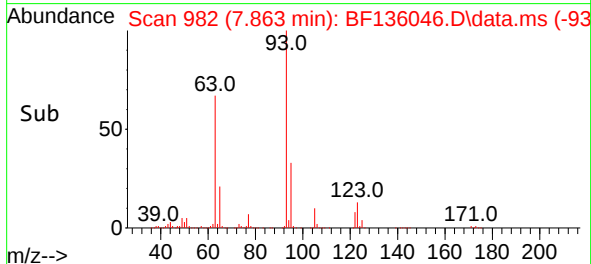
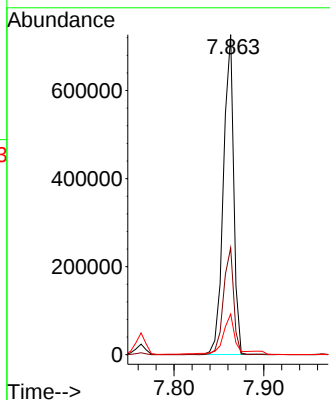
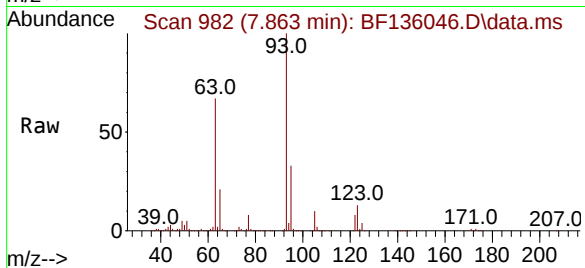
Instrument :

BNA_F

ClientSampleId :

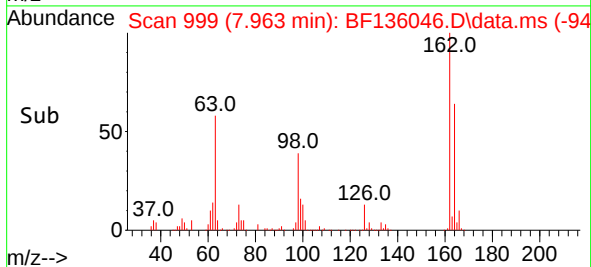
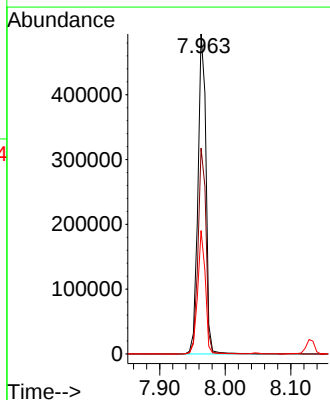
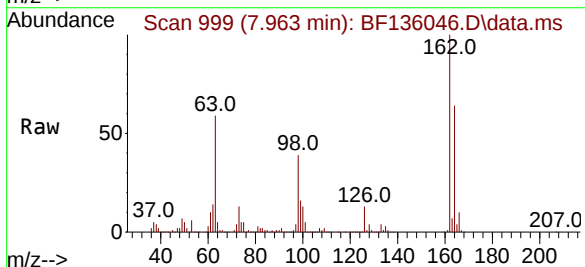
PB156648BS

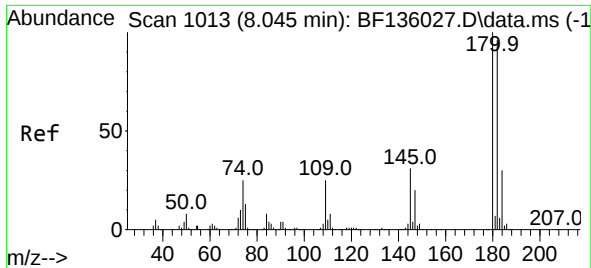
Tgt Ion: 93 Resp: 578115
Ion Ratio Lower Upper
93 100
95 33.4 25.7 38.5
123 12.7 9.1 13.7



#29
2,4-Dichlorophenol
Concen: 47.974 ng
RT: 7.963 min Scan# 999
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:162 Resp: 422387
Ion Ratio Lower Upper
162 100
164 64.3 45.5 85.5
98 38.6 14.4 54.4

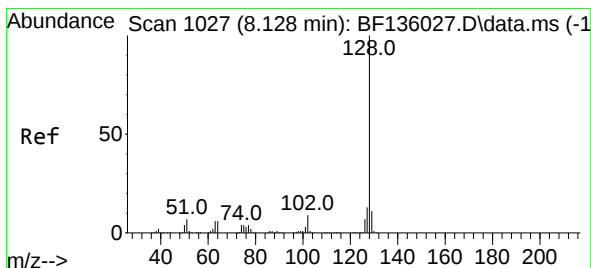
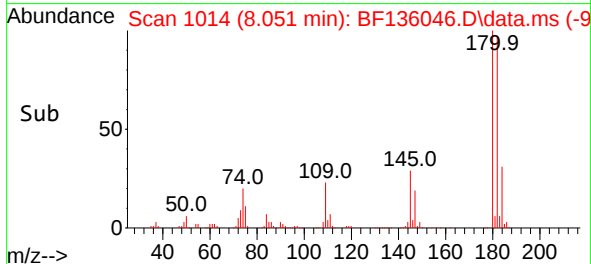
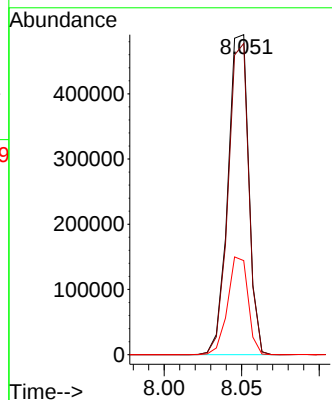
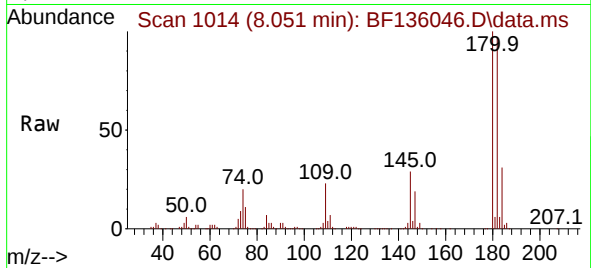




#30
1,2,4-Trichlorobenzene
Concen: 47.788 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

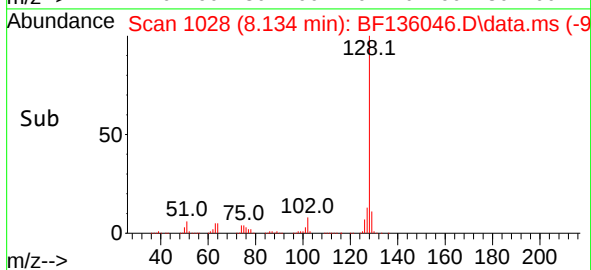
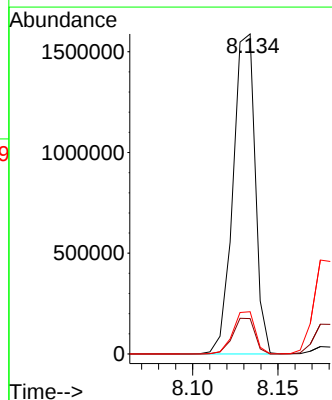
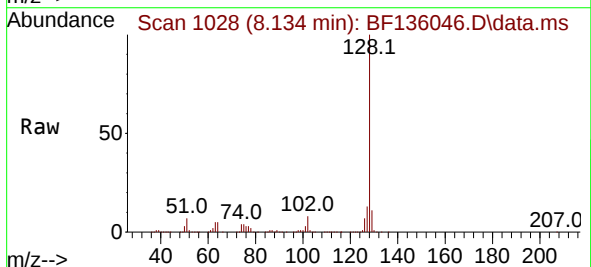
Instrument :
BNA_F
ClientSampleId :
PB156648BS

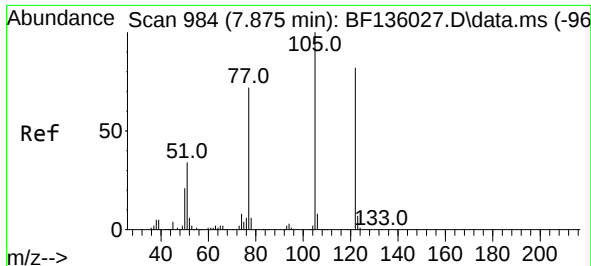
Tgt Ion:180 Resp: 458993
Ion Ratio Lower Upper
180 100
182 97.2 76.9 115.3
145 29.4 24.7 37.1



#31
Naphthalene
Concen: 46.031 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:128 Resp: 1432997
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.2 10.5 15.7

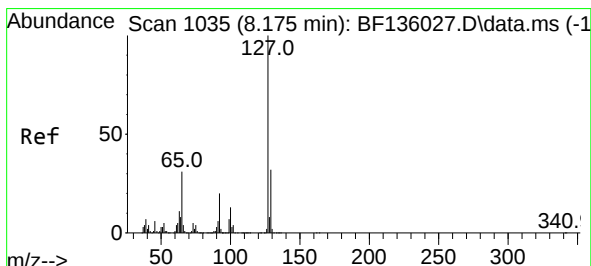
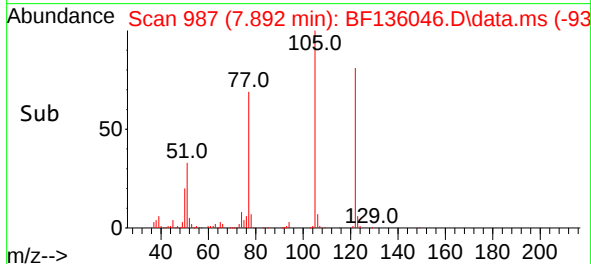
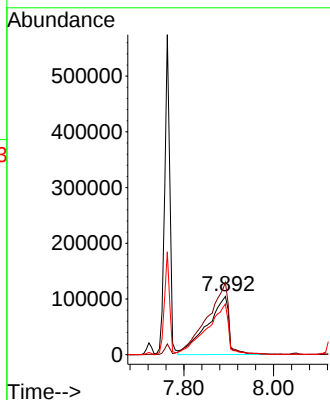
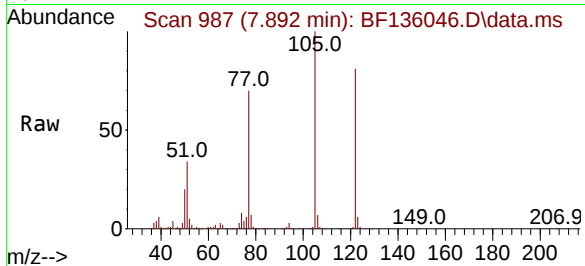




#32
Benzoic acid
Concen: 47.936 ng
RT: 7.892 min Scan# 91
Delta R.T. 0.017 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

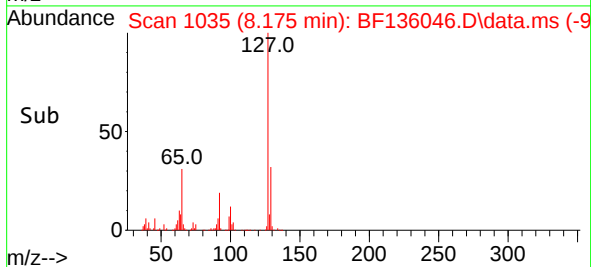
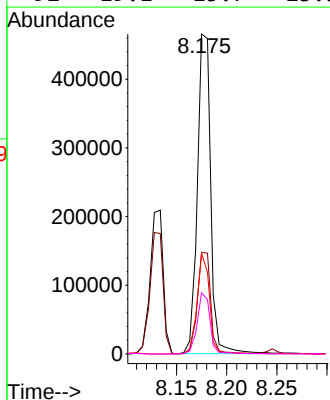
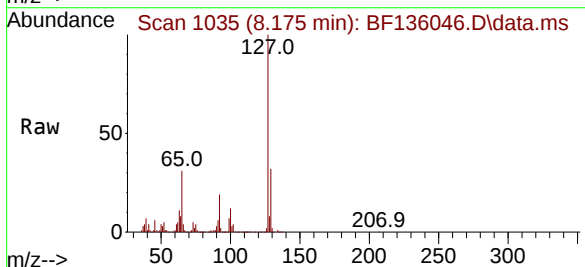
Instrument :
BNA_F
ClientSampleId :
PB156648BS

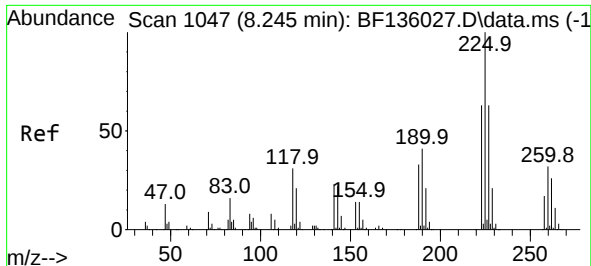
Tgt Ion:122 Resp: 358584
Ion Ratio Lower Upper
122 100
105 124.1 99.5 139.5
77 87.0 66.8 106.8



#33
4-Chloroaniline
Concen: 31.738 ng
RT: 8.175 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:127 Resp: 432695
Ion Ratio Lower Upper
127 100
129 31.7 25.9 38.9
65 31.4 24.6 37.0
92 19.1 15.7 23.5

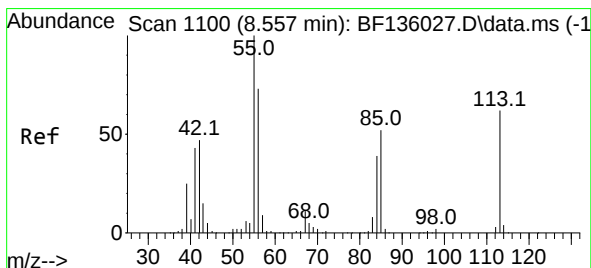
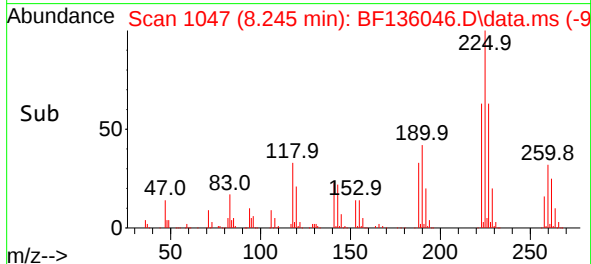
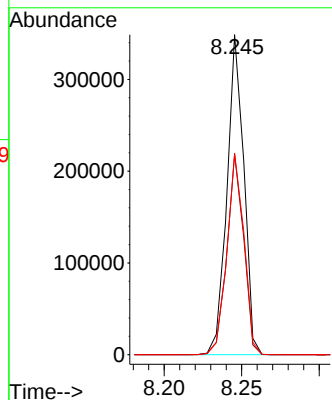
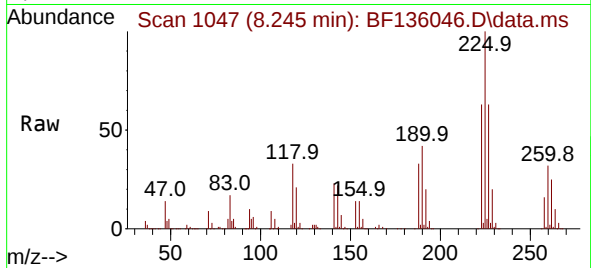




#34
Hexachlorobutadiene
Concen: 47.818 ng
RT: 8.245 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

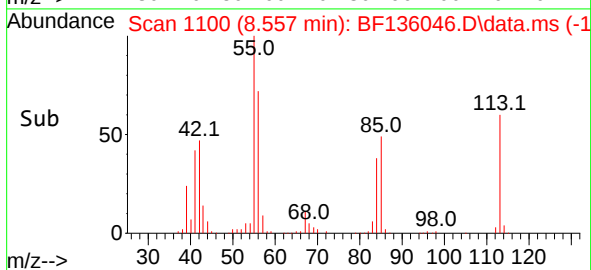
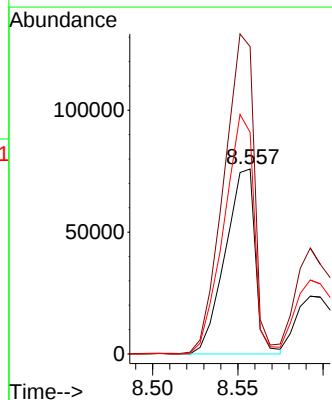
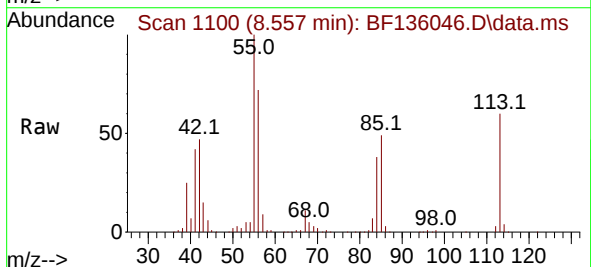
Instrument :
BNA_F
ClientSampleId :
PB156648BS

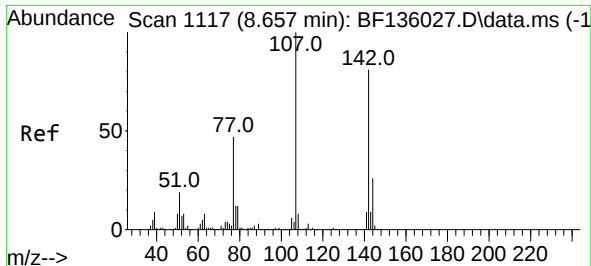
Tgt Ion:225 Resp: 263392
Ion Ratio Lower Upper
225 100
223 62.6 50.3 75.5
227 63.0 50.6 75.8



#35
Caprolactam
Concen: 32.406 ng
RT: 8.557 min Scan# 1100
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:113 Resp: 92773
Ion Ratio Lower Upper
113 100
55 166.2 142.2 182.2
56 119.8 97.7 137.7

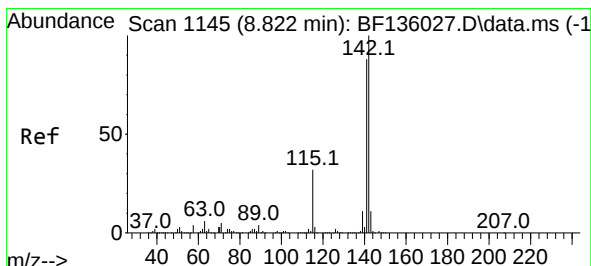
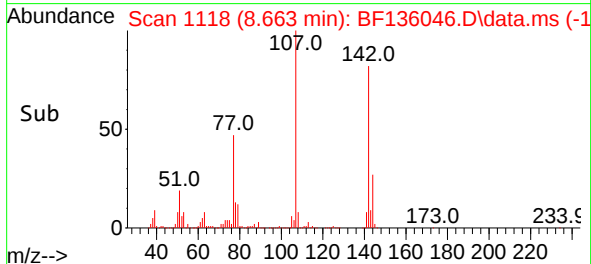
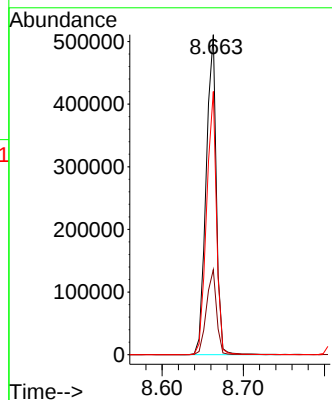
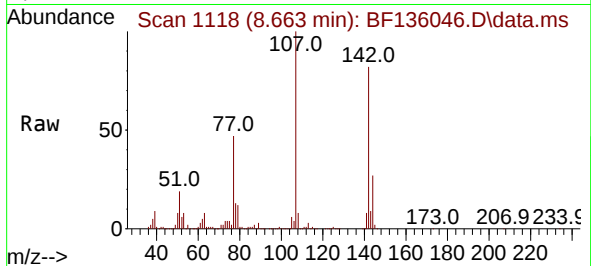




#36
4-Chloro-3-methylphenol
Concen: 48.048 ng
RT: 8.663 min Scan# 1118
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

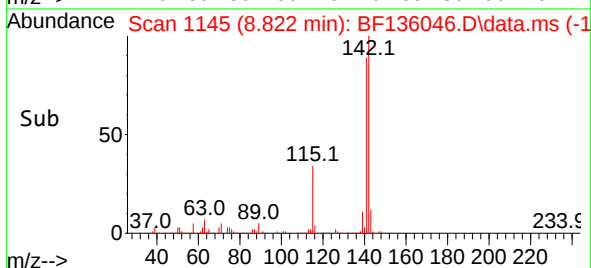
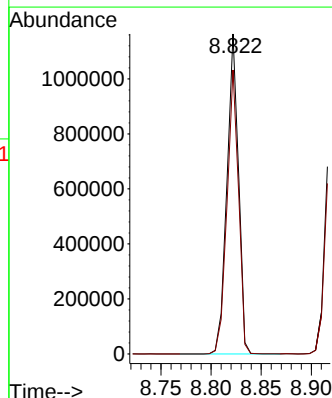
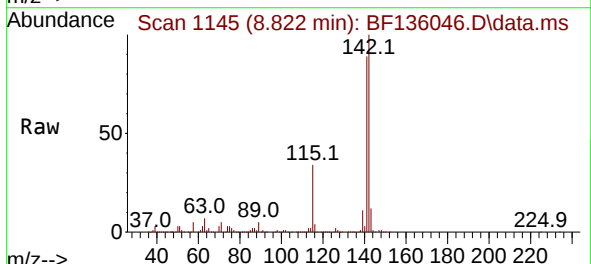
Instrument :
BNA_F
ClientSampleId :
PB156648BS

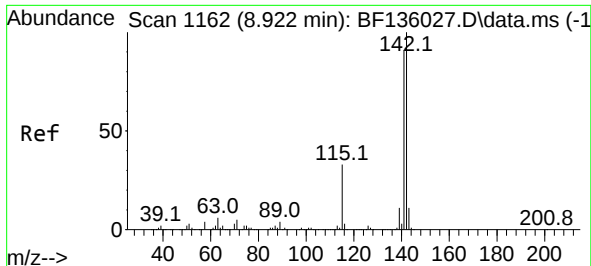
Tgt Ion:107 Resp: 444126
Ion Ratio Lower Upper
107 100
144 26.5 20.6 31.0
142 82.3 64.6 97.0



#37
2-Methylnaphthalene
Concen: 44.591 ng
RT: 8.822 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:142 Resp: 930779
Ion Ratio Lower Upper
142 100
141 88.8 70.4 105.6

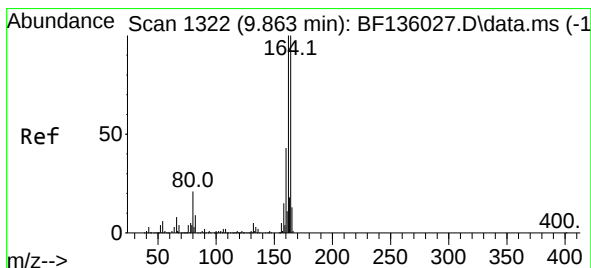
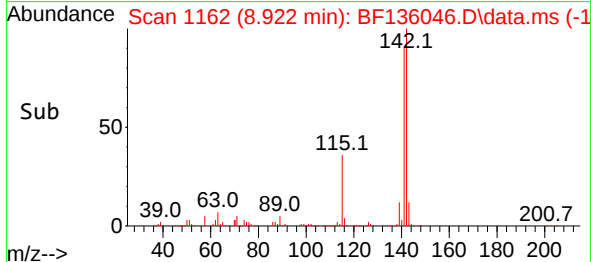
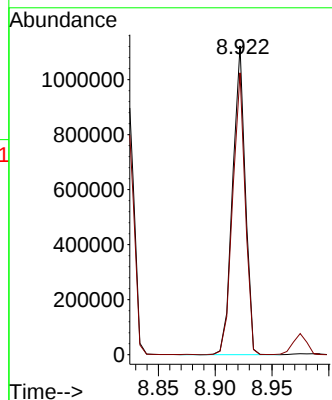
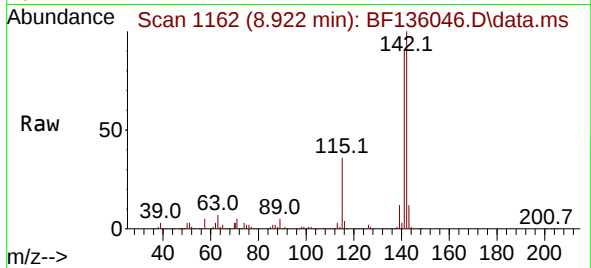




#38
1-Methylnaphthalene
Concen: 44.713 ng
RT: 8.922 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

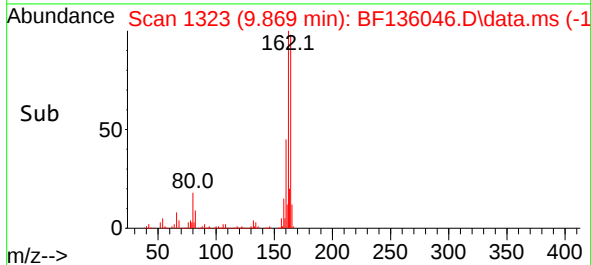
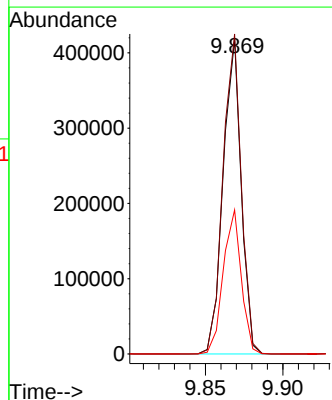
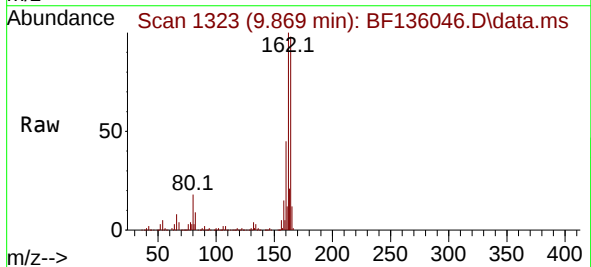
Instrument :
BNA_F
ClientSampleId :
PB156648BS

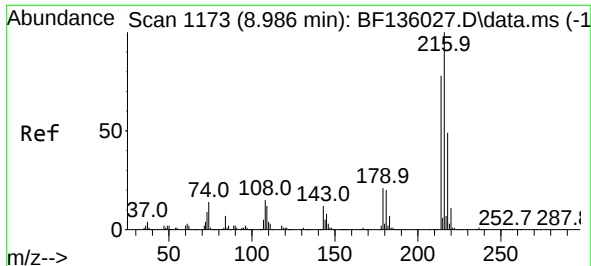
Tgt Ion:142 Resp: 868572
Ion Ratio Lower Upper
142 100
141 91.3 72.6 109.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:164 Resp: 338471
Ion Ratio Lower Upper
164 100
162 101.6 80.1 120.1
160 45.7 34.8 52.2

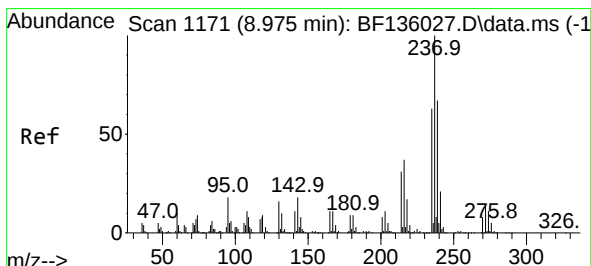
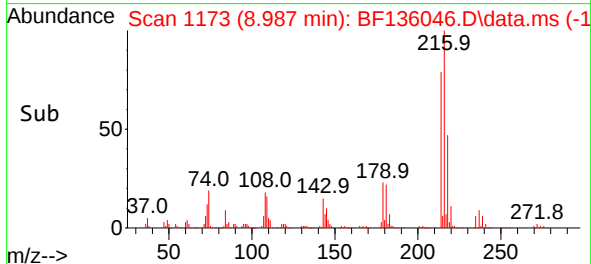
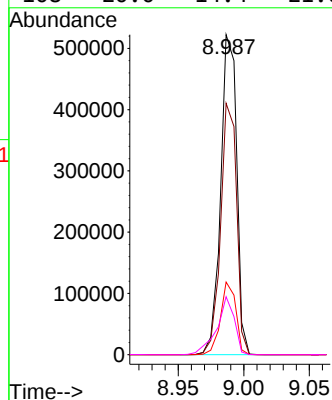
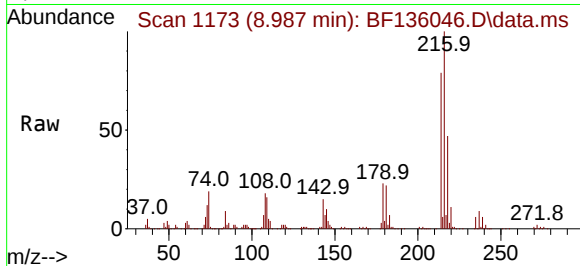




#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.833 ng
RT: 8.987 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

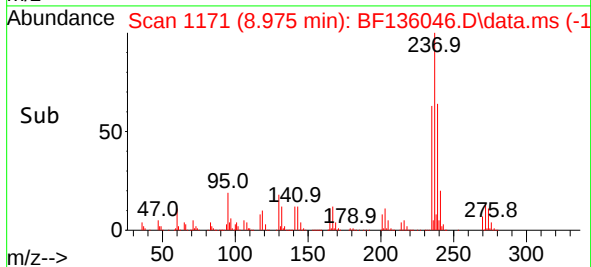
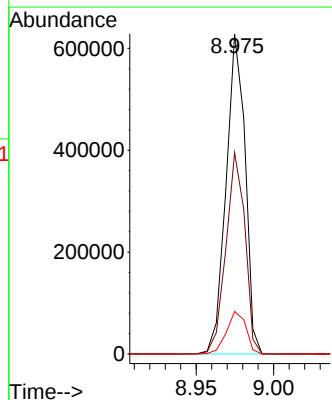
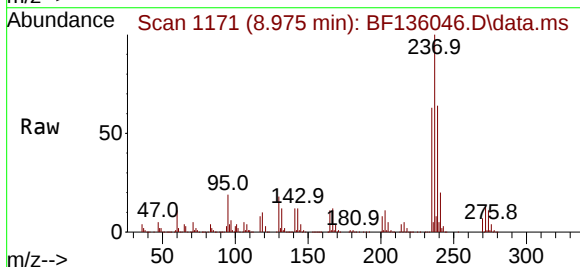
Instrument :
BNA_F
ClientSampleId :
PB156648BS

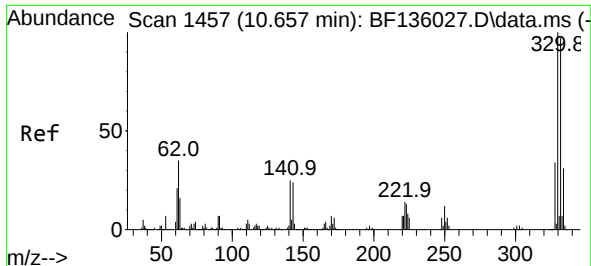
Tgt Ion:	216	Resp:	442419
Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.8	95.6
179	21.7	17.5	26.3
108	20.0	14.4	21.6



#41
Hexachlorocyclopentadiene
Concen: 104.161 ng
RT: 8.975 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:	237	Resp:	537162
Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.3	83.3
272	13.3	0.0	34.2





#42

2,4,6-Tribromophenol

Concen: 139.138 ng

RT: 10.663 min Scan# 1457

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

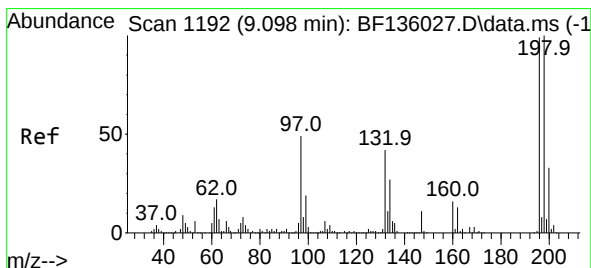
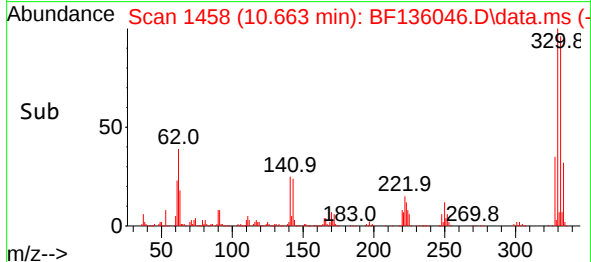
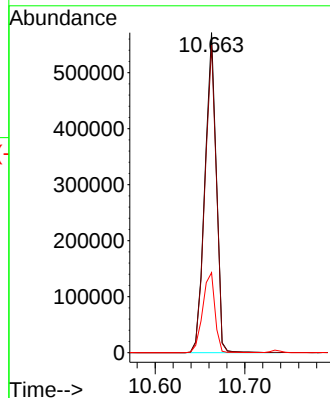
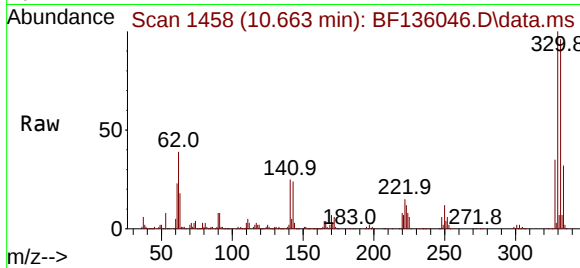
Tgt Ion:330 Resp: 502674

Ion Ratio Lower Upper

330 100

332 96.7 76.9 115.3

141 27.0 23.2 34.8



#43

2,4,6-Trichlorophenol

Concen: 47.722 ng

RT: 9.098 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

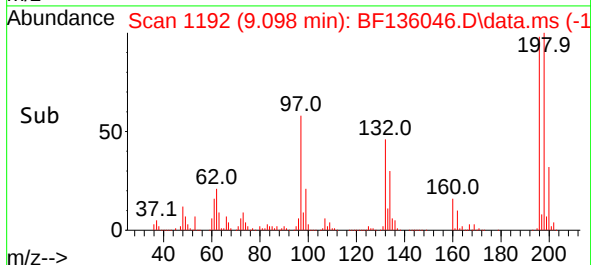
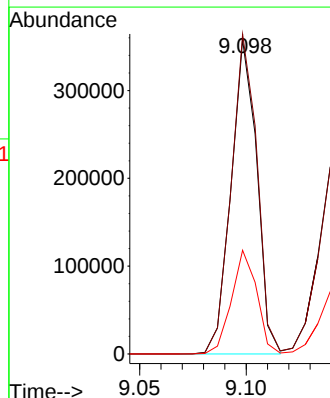
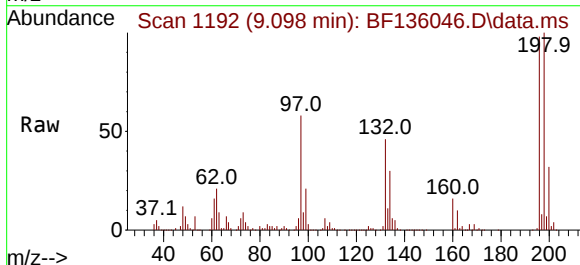
Tgt Ion:196 Resp: 300355

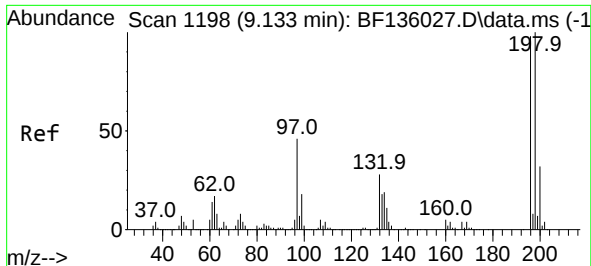
Ion Ratio Lower Upper

196 100

198 101.9 80.7 121.1

200 33.0 26.8 40.2

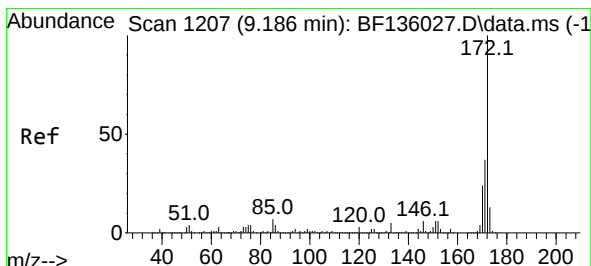
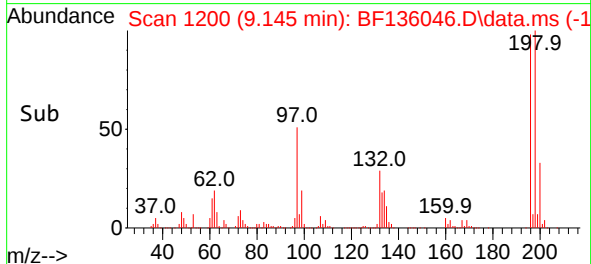
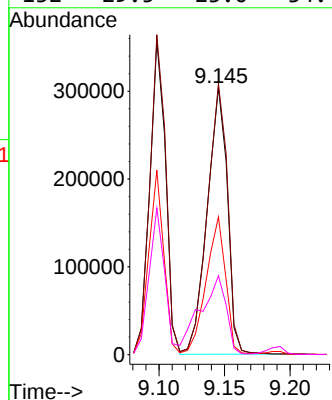
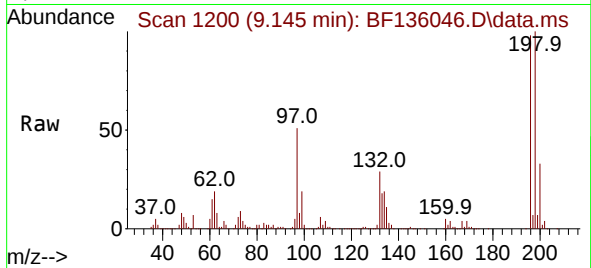




#44
2,4,5-Trichlorophenol
Concen: 44.821 ng
RT: 9.145 min Scan# 1198
Delta R.T. 0.012 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

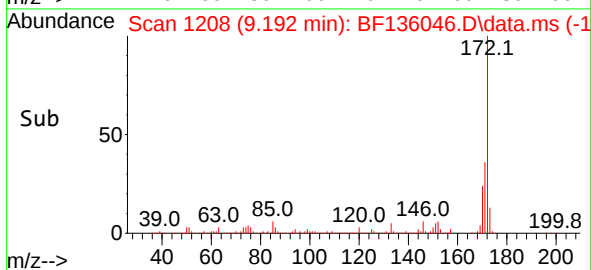
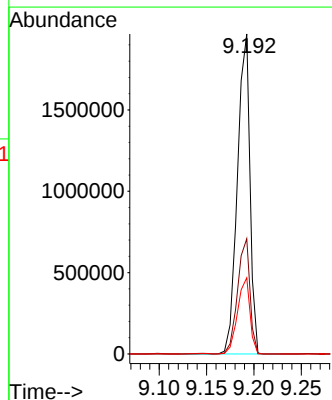
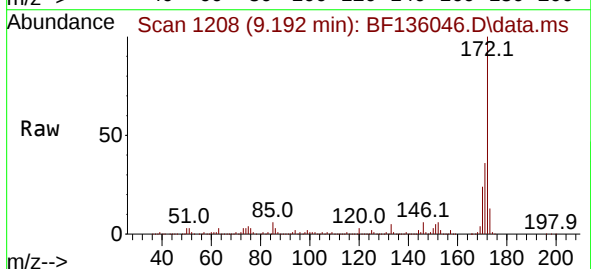
Instrument :
BNA_F
ClientSampleId :
PB156648BS

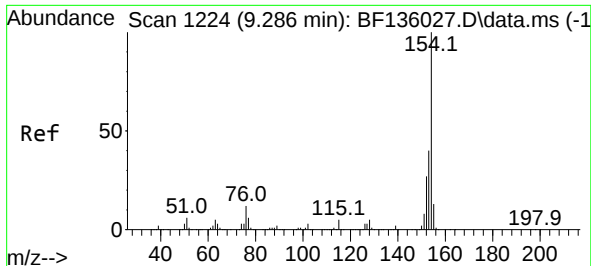
Tgt Ion:196 Resp: 326773
Ion Ratio Lower Upper
196 100
198 101.6 81.6 122.4
97 51.5 38.2 57.2
132 29.5 23.0 34.4



#45
2-Fluorobiphenyl
Concen: 84.821 ng
RT: 9.192 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:172 Resp: 1800991
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 23.8 19.3 28.9

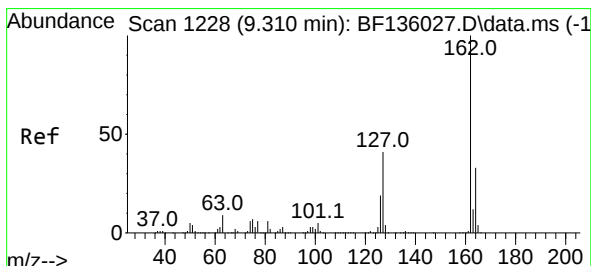
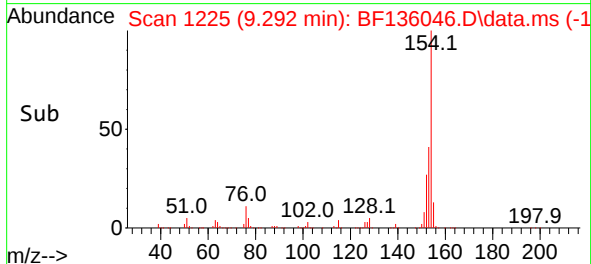
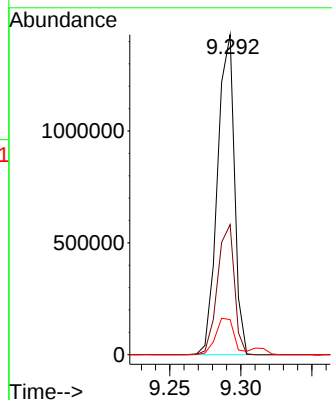
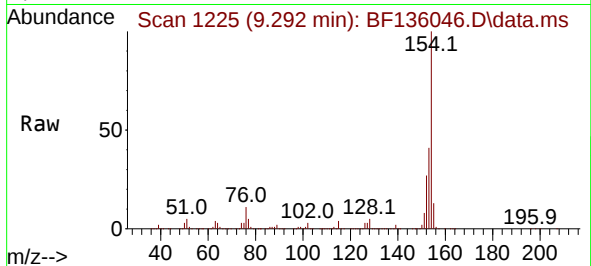




#46
1,1'-Biphenyl
Concen: 45.849 ng
RT: 9.292 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

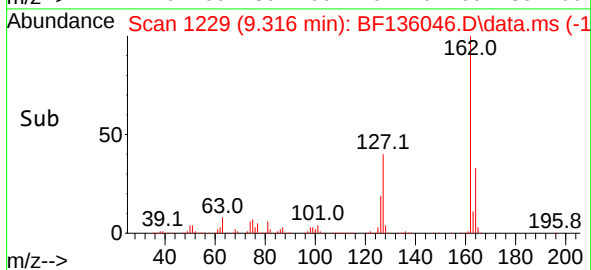
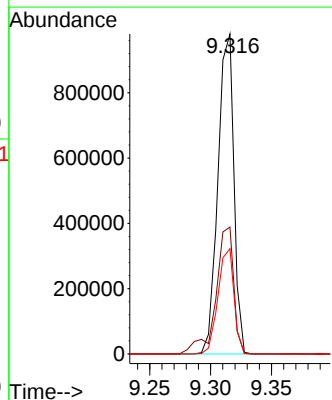
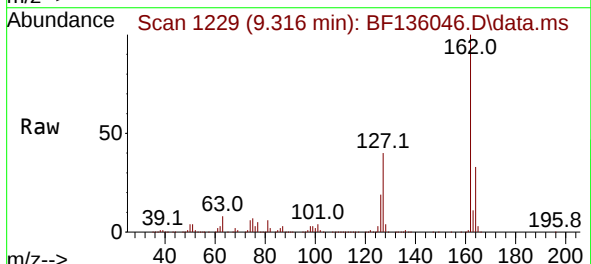
Instrument :
BNA_F
ClientSampleId :
PB156648BS

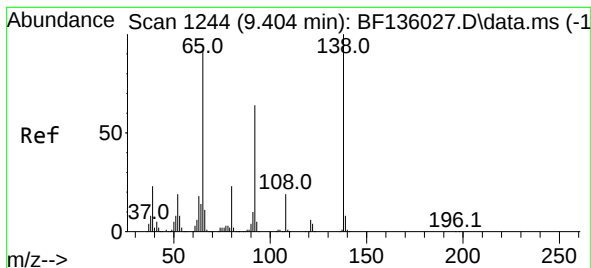
Tgt Ion:154 Resp: 1183002
Ion Ratio Lower Upper
154 100
153 40.7 20.1 60.1
76 10.9 0.0 32.5



#47
2-Chloronaphthalene
Concen: 47.127 ng
RT: 9.316 min Scan# 1229
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:162 Resp: 896409
Ion Ratio Lower Upper
162 100
127 39.7 32.4 48.6
164 32.9 26.7 40.1





#48

2-Nitroaniline

Concen: 48.241 ng

RT: 9.410 min Scan# 1245

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

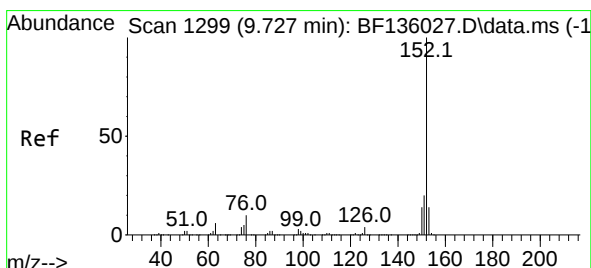
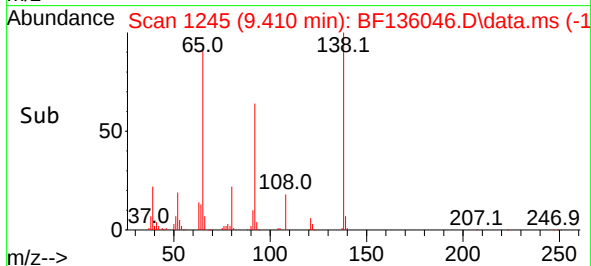
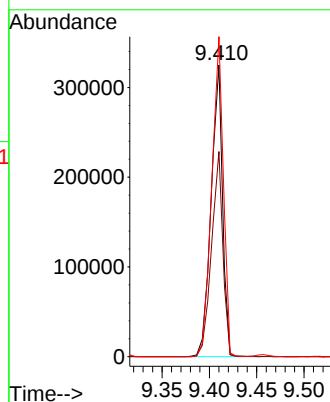
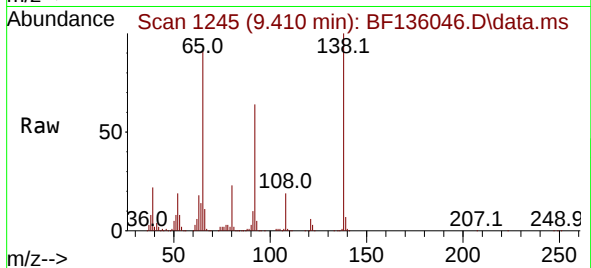
Tgt Ion: 65 Resp: 271561

Ion Ratio Lower Upper

65 100

92 70.3 55.7 83.5

138 109.7 86.8 130.2



#49

Acenaphthylene

Concen: 46.118 ng

RT: 9.728 min Scan# 1299

Delta R.T. 0.000 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

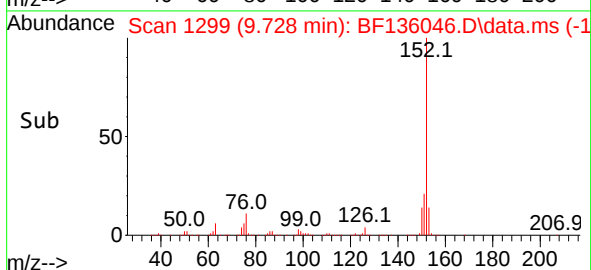
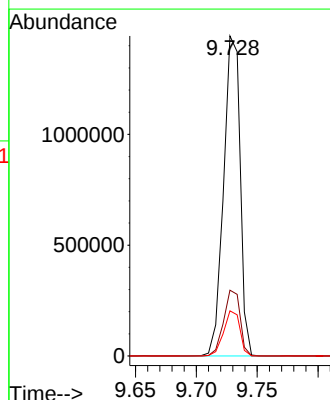
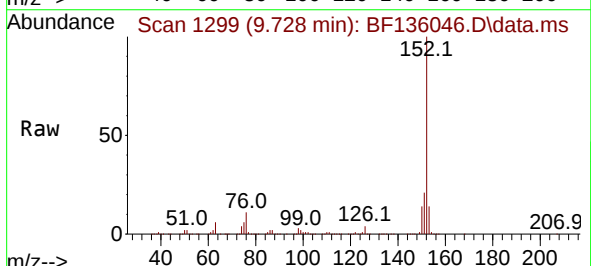
Tgt Ion: 152 Resp: 1368501

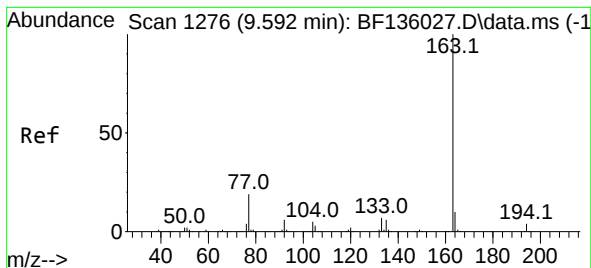
Ion Ratio Lower Upper

152 100

151 20.5 16.1 24.1

153 14.1 11.4 17.2





#50

Dimethylphthalate

Concen: 46.326 ng

RT: 9.598 min Scan# 1277

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

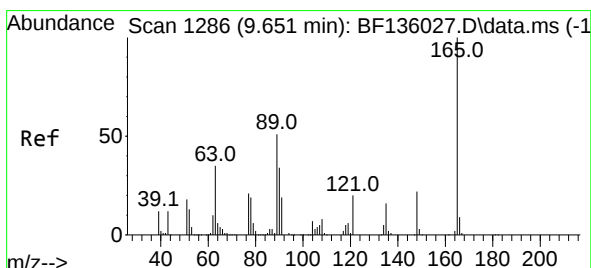
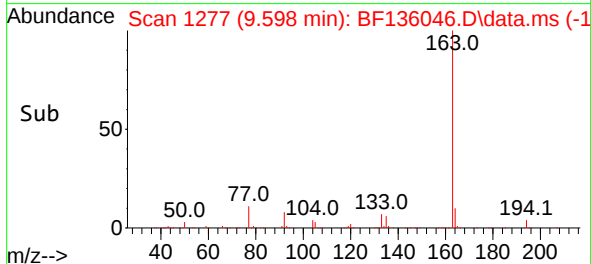
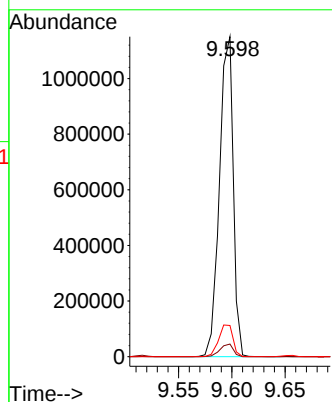
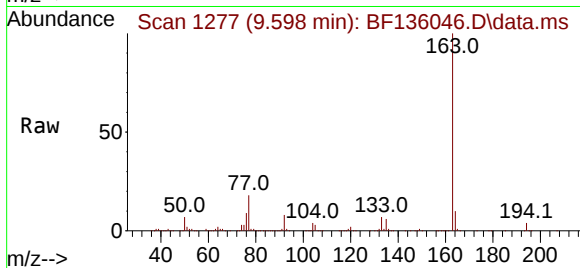
Tgt Ion:163 Resp: 1034266

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

164 9.8 8.1 12.1



#51

2,6-Dinitrotoluene

Concen: 49.871 ng

RT: 9.657 min Scan# 1287

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

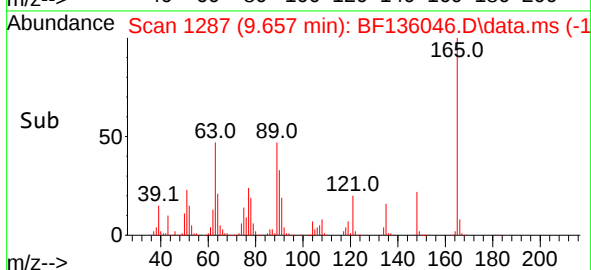
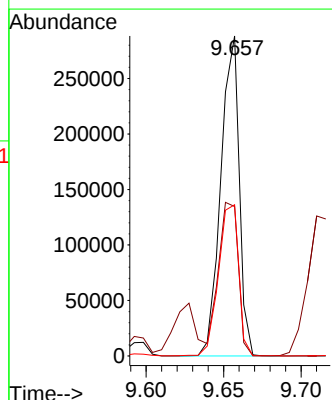
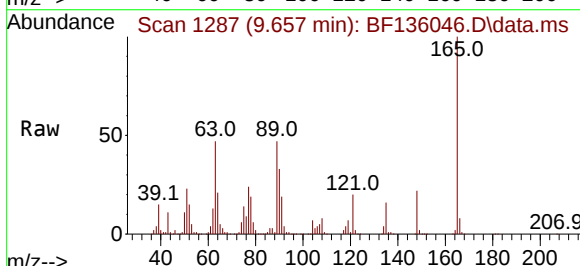
Tgt Ion:165 Resp: 238140

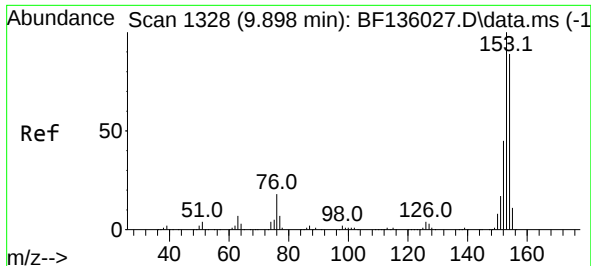
Ion Ratio Lower Upper

165 100

63 46.7 40.8 61.2

89 47.3 41.1 61.7

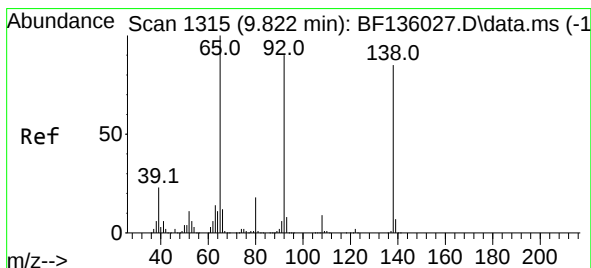
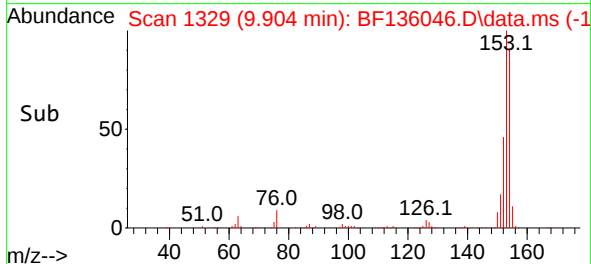
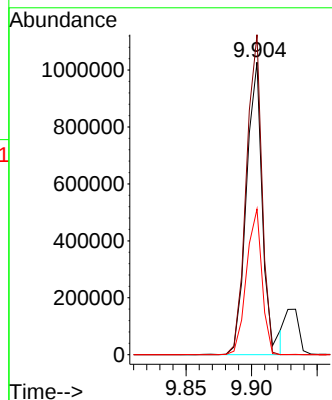
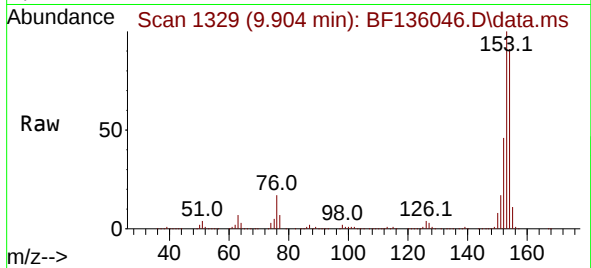




#52
Acenaphthene
Concen: 46.938 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

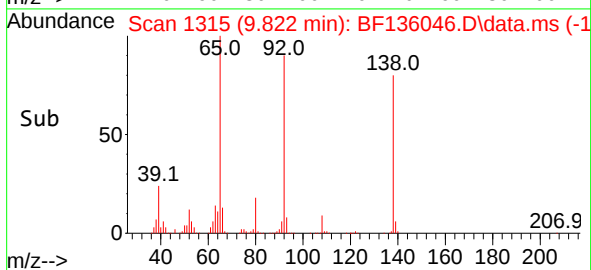
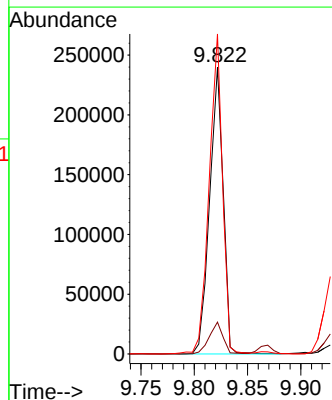
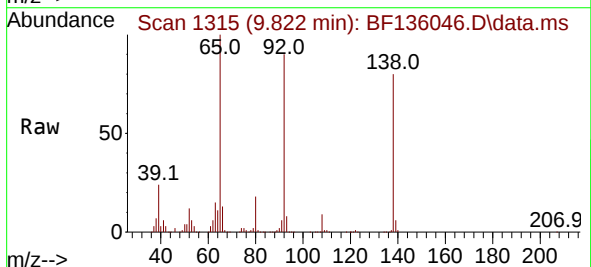
Instrument :
BNA_F
ClientSampleId :
PB156648BS

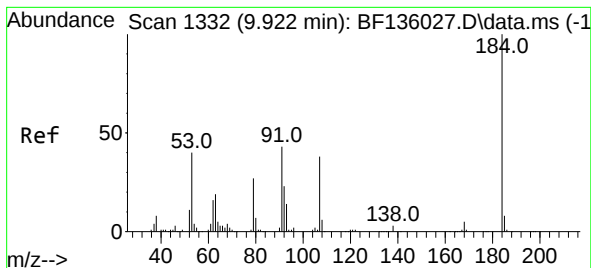
Tgt Ion:154 Resp: 885425
Ion Ratio Lower Upper
154 100
153 109.4 89.9 134.9
152 49.8 40.2 60.2



#53
3-Nitroaniline
Concen: 38.136 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:138 Resp: 212478
Ion Ratio Lower Upper
138 100
108 11.1 8.8 13.2
92 111.6 84.6 126.8





#54

2,4-Dinitrophenol

Concen: 95.790 ng

RT: 9.934 min Scan# 1334

Delta R.T. 0.012 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

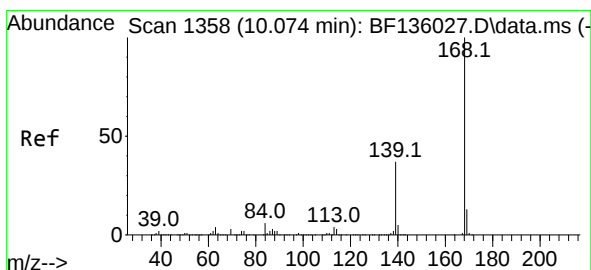
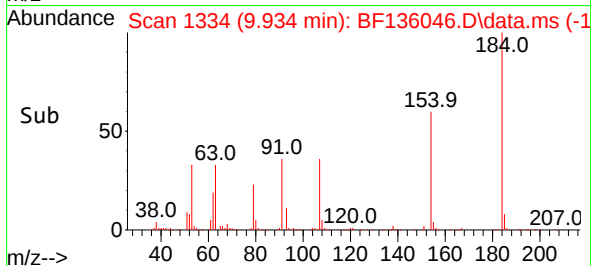
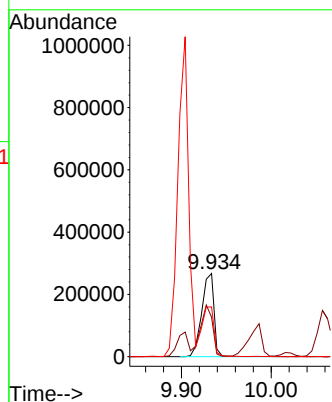
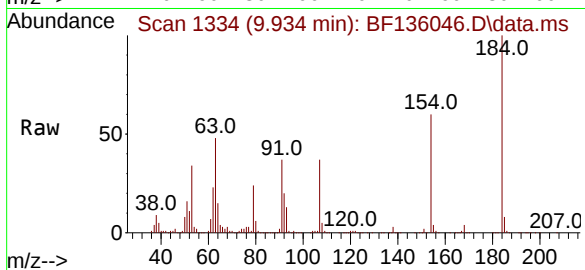
Tgt Ion:184 Resp: 252427

Ion Ratio Lower Upper

184 100

63 47.5 43.7 65.5

154 59.8 51.2 76.8



#55

Dibenzofuran

Concen: 45.804 ng

RT: 10.075 min Scan# 1358

Delta R.T. 0.000 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

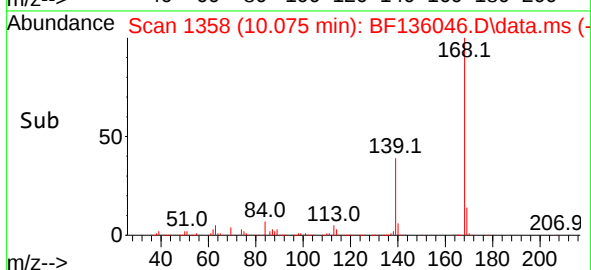
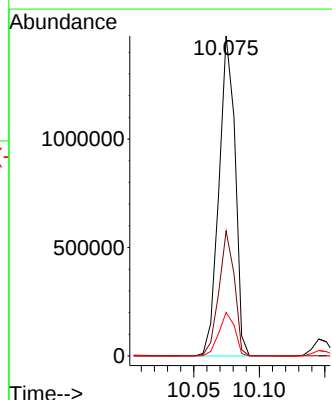
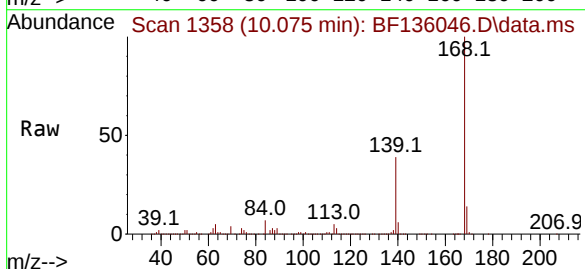
Tgt Ion:168 Resp: 1259902

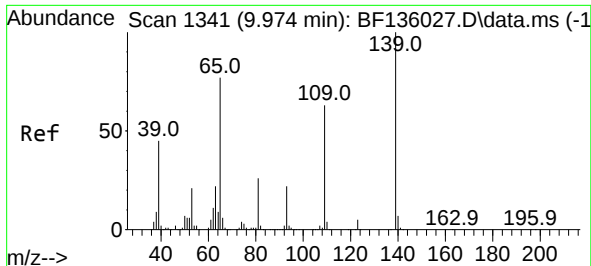
Ion Ratio Lower Upper

168 100

139 39.0 29.4 44.0

169 13.6 10.5 15.7

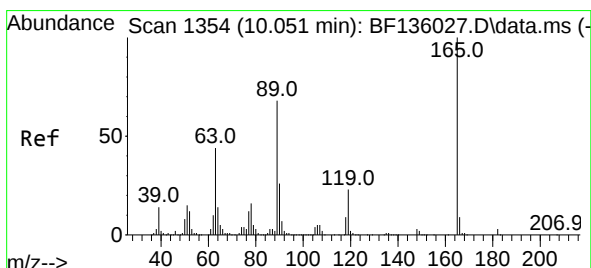
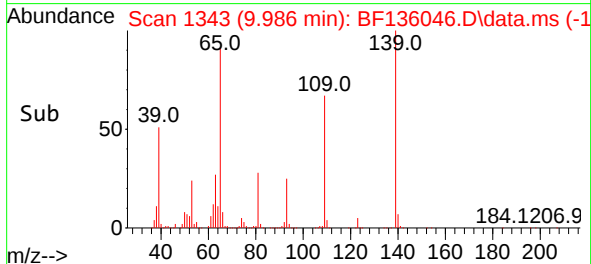
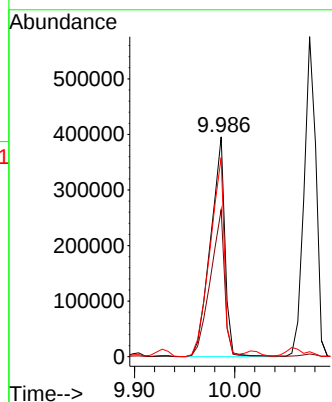
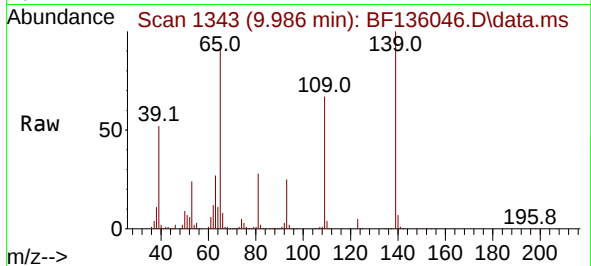




#56
4-Nitrophenol
Concen: 95.348 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.012 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

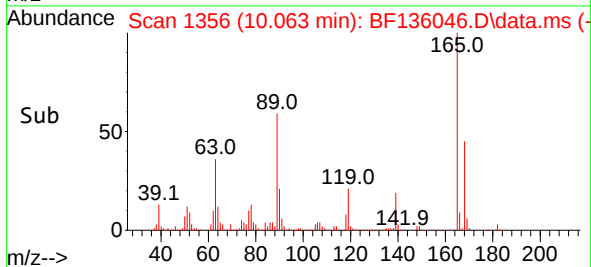
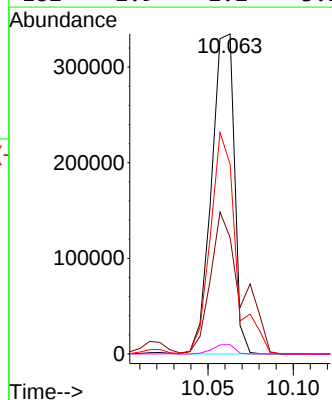
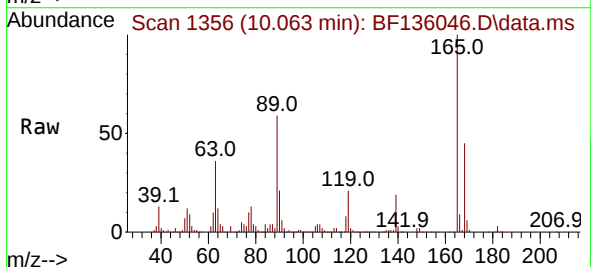
Instrument :
BNA_F
ClientSampleId :
PB156648BS

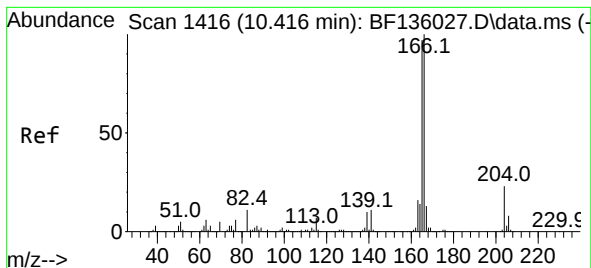
Tgt Ion:139 Resp: 397378
Ion Ratio Lower Upper
139 100
109 66.9 43.2 83.2
65 90.7 57.6 97.6



#57
2,4-Dinitrotoluene
Concen: 51.635 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.012 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:165 Resp: 311958
Ion Ratio Lower Upper
165 100
63 36.4 35.2 52.8
89 59.2 54.8 82.2
182 2.9 2.2 3.2





#58

Fluorene

Concen: 45.189 ng

RT: 10.422 min Scan# 1416

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

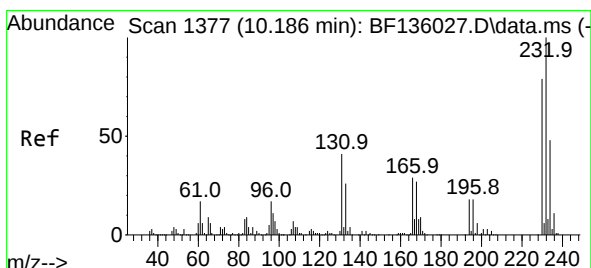
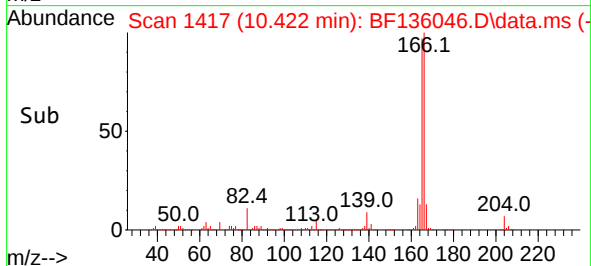
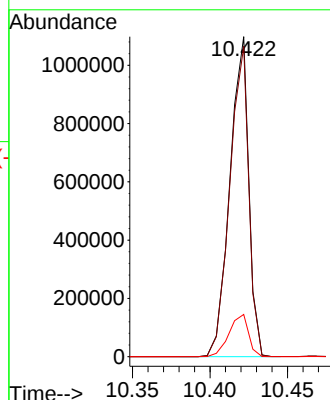
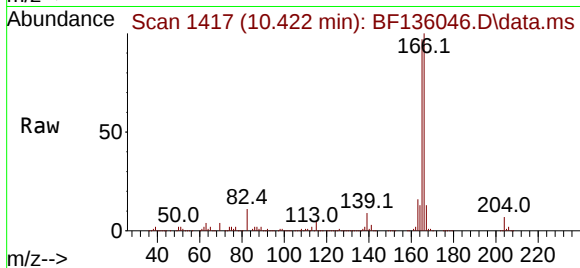
Tgt Ion:166 Resp: 930648

Ion Ratio Lower Upper

166 100

165 97.0 77.7 116.5

167 13.2 10.6 16.0



#59

2,3,4,6-Tetrachlorophenol

Concen: 48.726 ng

RT: 10.192 min Scan# 1378

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Tgt Ion:232 Resp: 282432

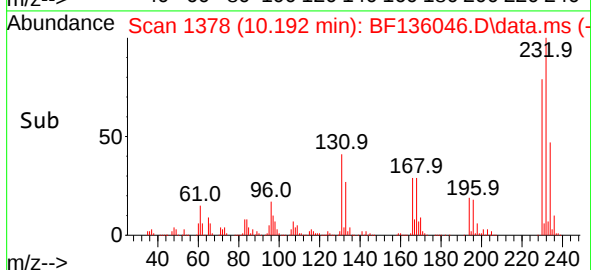
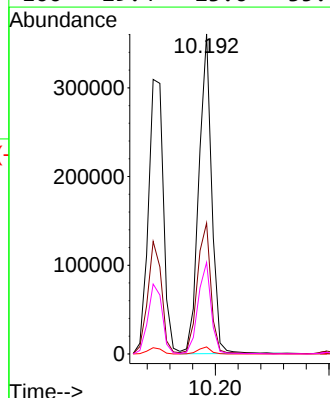
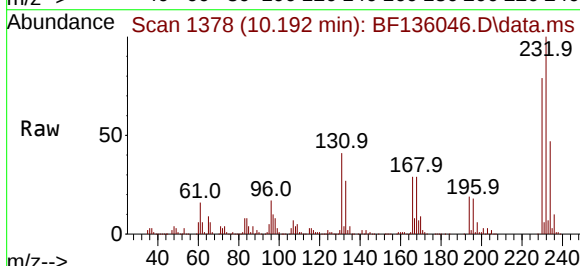
Ion Ratio Lower Upper

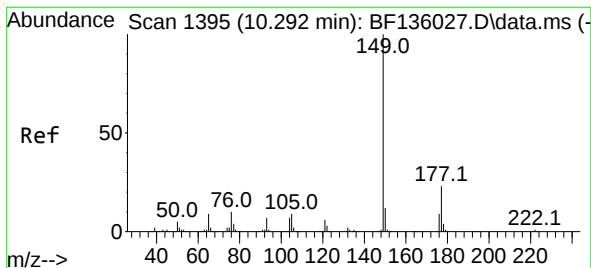
232 100

131 43.6 34.6 52.0

130 2.2 1.6 2.4

166 29.4 23.6 35.4





#60

Diethylphthalate

Concen: 47.284 ng

RT: 10.298 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

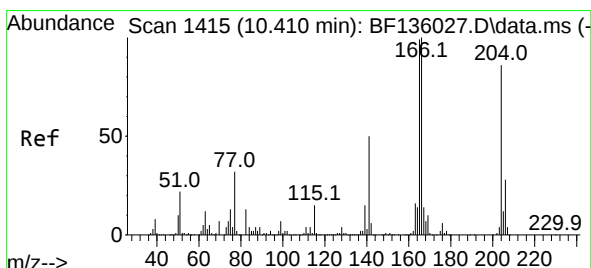
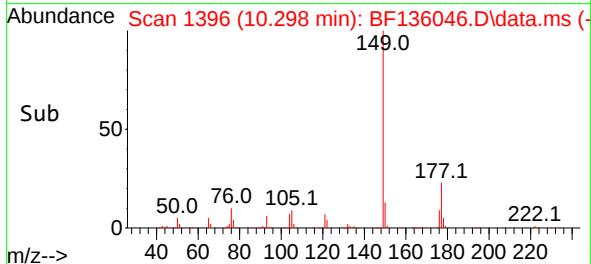
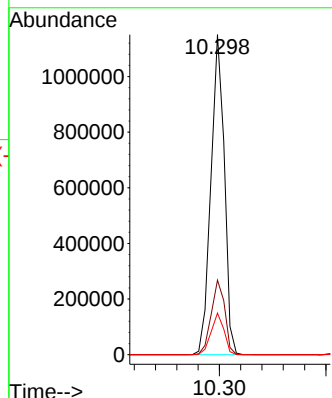
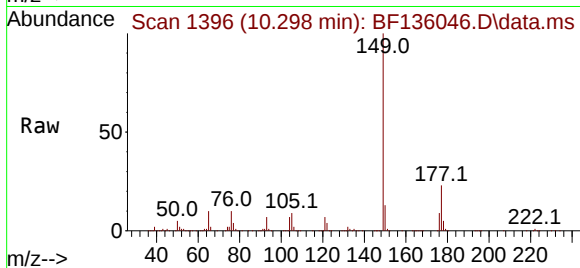
Tgt Ion:149 Resp: 1008653

Ion Ratio Lower Upper

149 100

177 23.3 18.2 27.4

150 13.0 9.9 14.9



#61

4-Chlorophenyl-phenylether

Concen: 45.185 ng

RT: 10.410 min Scan# 1415

Delta R.T. 0.000 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

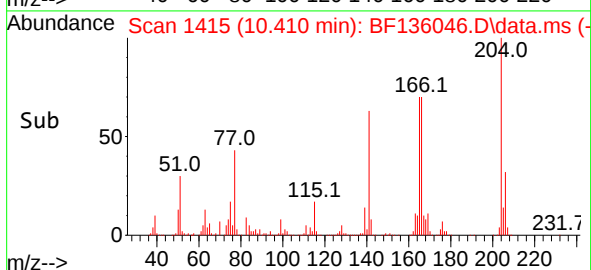
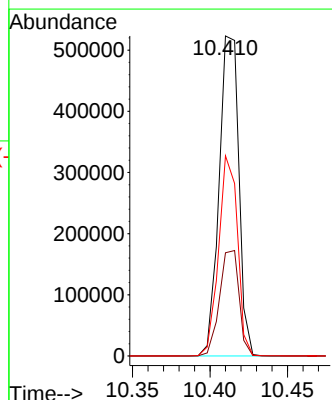
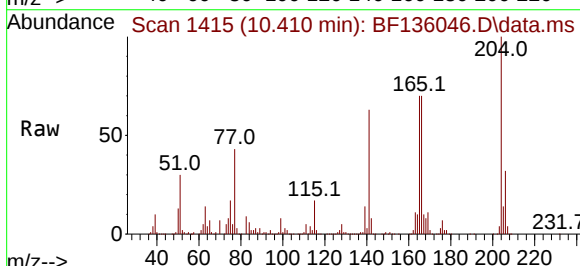
Tgt Ion:204 Resp: 464518

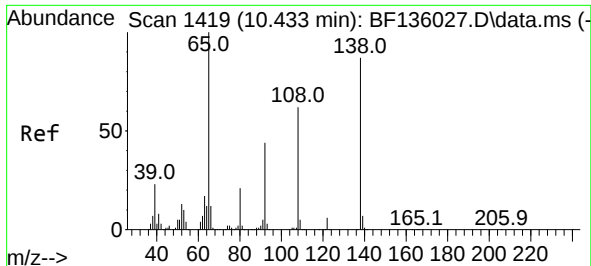
Ion Ratio Lower Upper

204 100

206 32.2 26.6 39.8

141 62.6 46.8 70.2

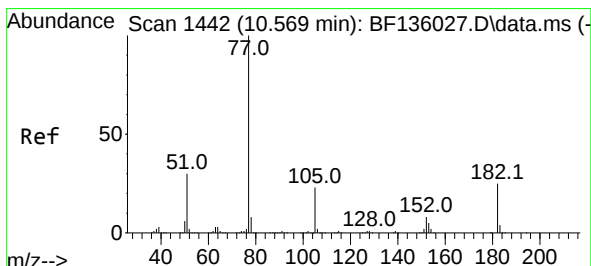
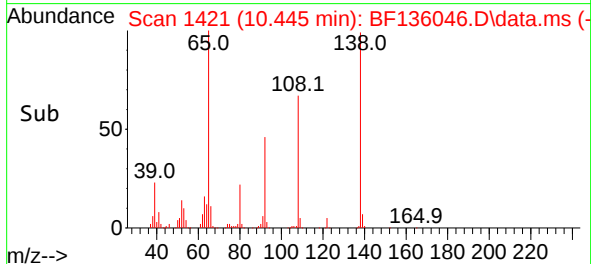
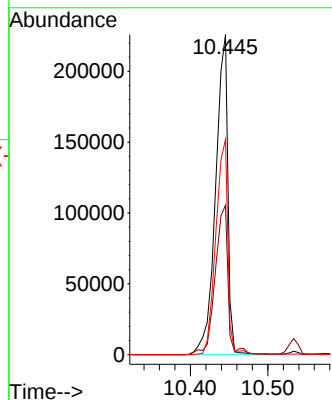
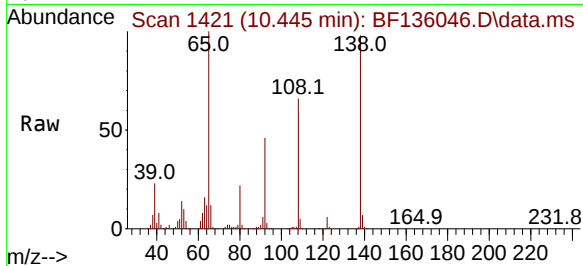




#62
4-Nitroaniline
Concen: 46.455 ng
RT: 10.445 min Scan# 1419
Delta R.T. 0.012 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

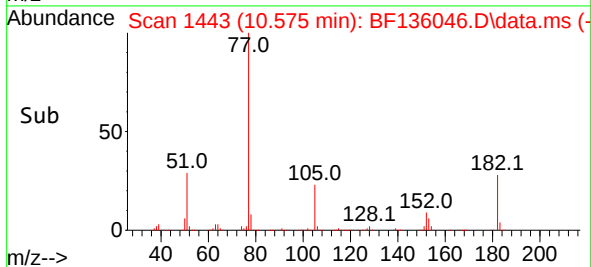
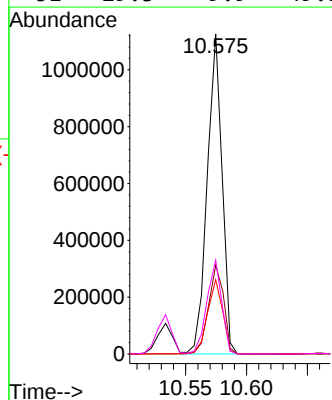
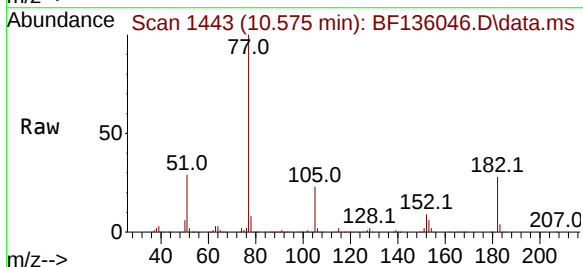
Instrument :
BNA_F
ClientSampleId :
PB156648BS

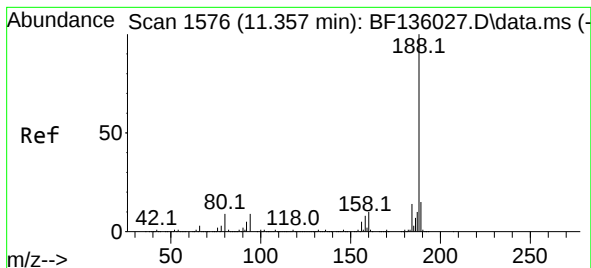
Tgt Ion:138 Resp: 249233
Ion Ratio Lower Upper
138 100
92 46.7 30.6 70.6
108 67.3 51.5 91.5



#63
Azobenzene
Concen: 46.442 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion: 77 Resp: 954108
Ion Ratio Lower Upper
77 100
182 27.7 5.0 45.0
105 23.2 2.6 42.6
51 29.3 9.9 49.9

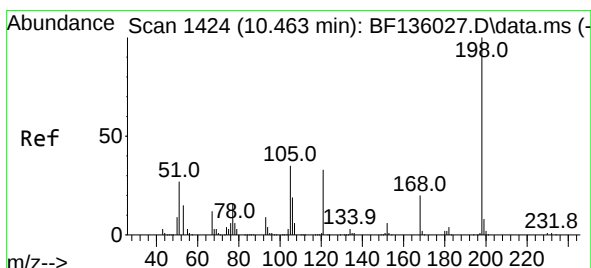
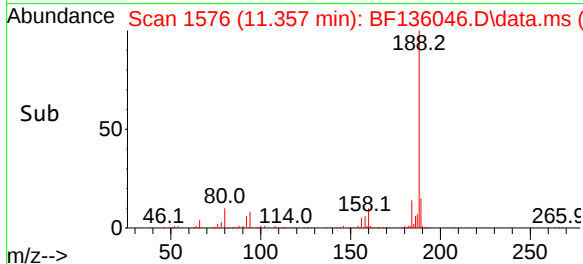
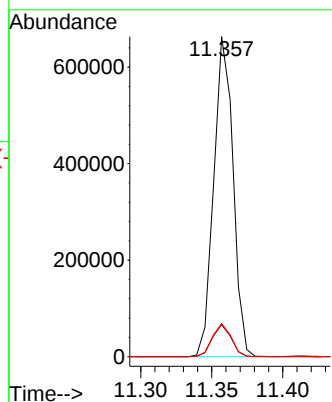
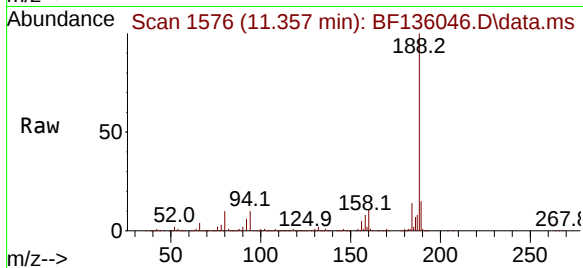




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

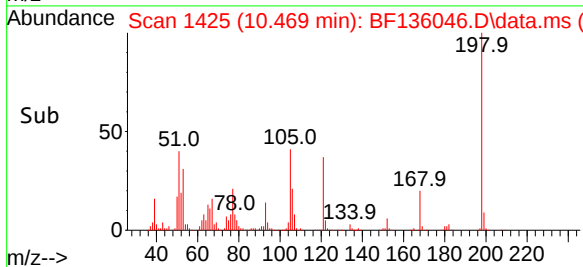
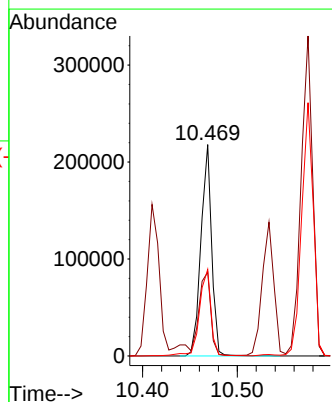
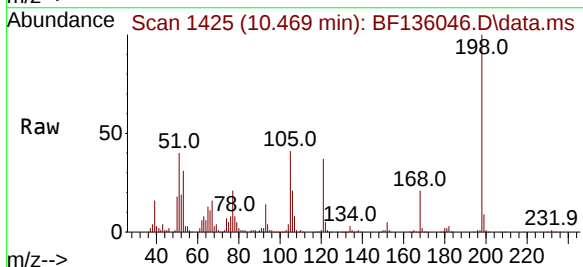
Instrument :
BNA_F
ClientSampleId :
PB156648BS

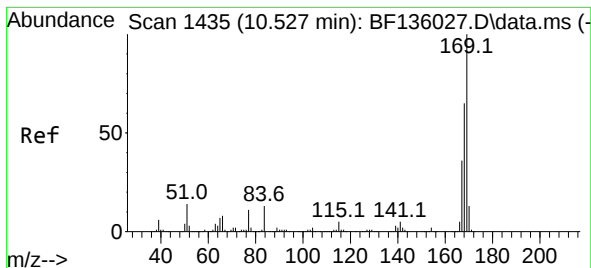
Tgt Ion:188 Resp: 624459
Ion Ratio Lower Upper
188 100
94 10.0 7.2 10.8
80 10.3 7.4 11.0



#65
4,6-Dinitro-2-methylphenol
Concen: 49.751 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:198 Resp: 171530
Ion Ratio Lower Upper
198 100
51 39.6 12.9 52.9
105 40.9 16.0 56.0





#66

n-Nitrosodiphenylamine

Concen: 46.989 ng

RT: 10.533 min Scan# 1435

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

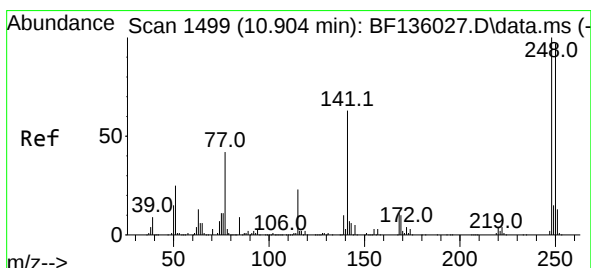
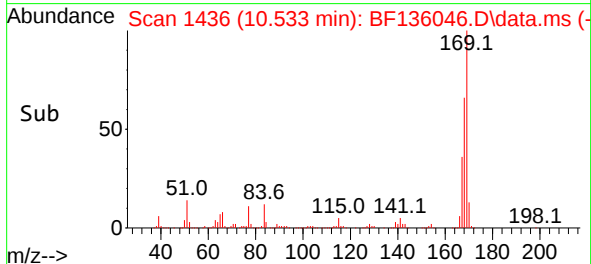
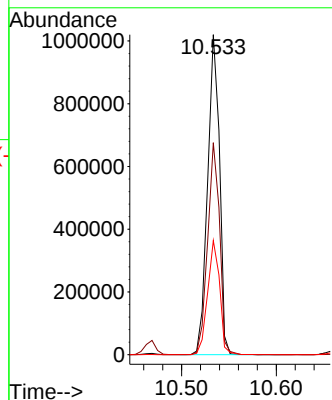
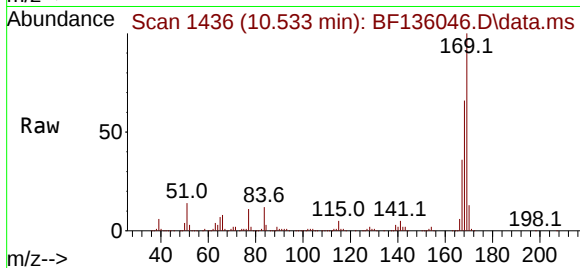
Tgt Ion:169 Resp: 885169

Ion Ratio Lower Upper

169 100

168 66.2 52.2 78.2

167 35.6 28.7 43.1



#67

4-Bromophenyl-phenylether

Concen: 48.021 ng

RT: 10.904 min Scan# 1499

Delta R.T. 0.000 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

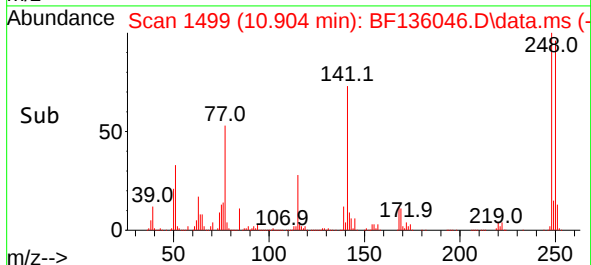
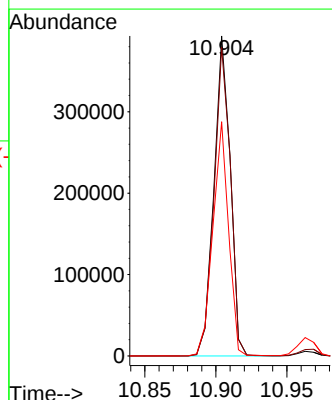
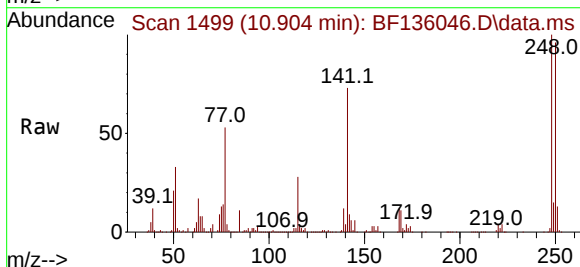
Tgt Ion:248 Resp: 314393

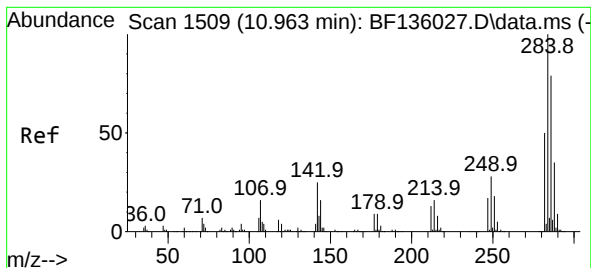
Ion Ratio Lower Upper

248 100

250 96.4 77.6 116.4

141 73.2 50.4 75.6





#68

Hexachlorobenzene

Concen: 50.091 ng

RT: 10.969 min Scan# 1510

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

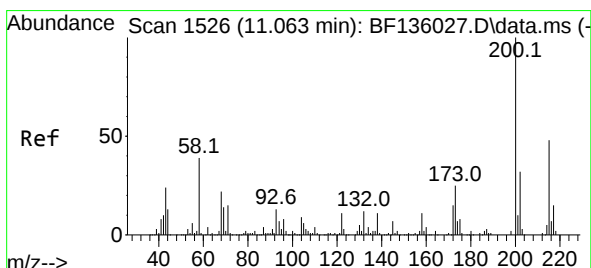
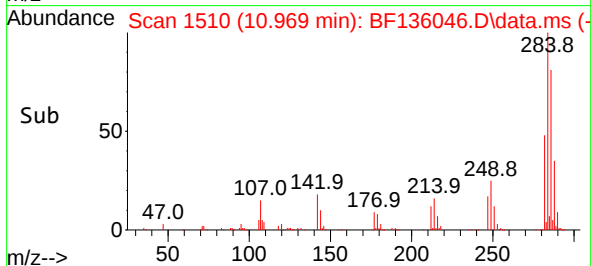
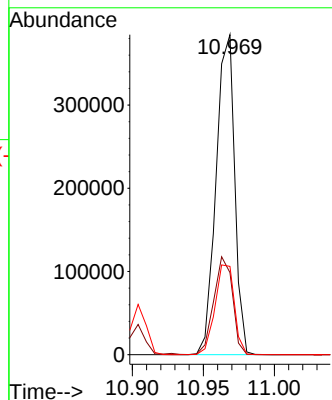
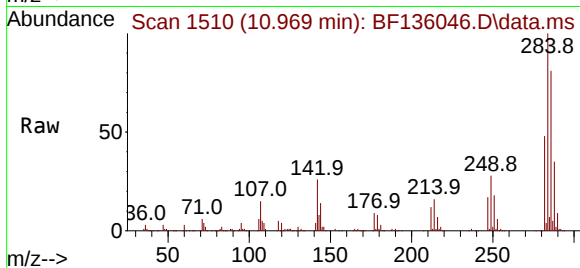
Tgt Ion:284 Resp: 350249

Ion Ratio Lower Upper

284 100

142 25.7 20.2 30.4

249 27.6 22.6 33.8



#69

Atrazine

Concen: 39.127 ng

RT: 11.063 min Scan# 1526

Delta R.T. 0.000 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

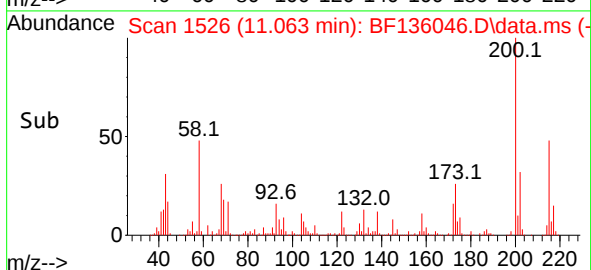
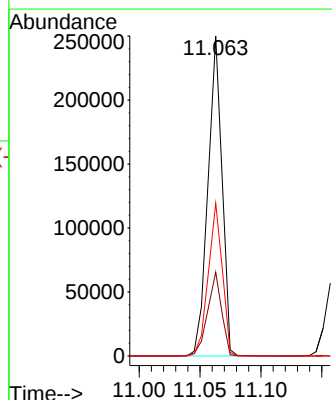
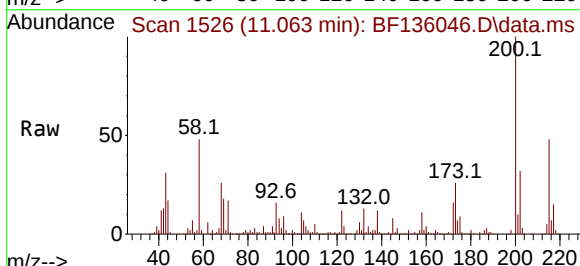
Tgt Ion:200 Resp: 200539

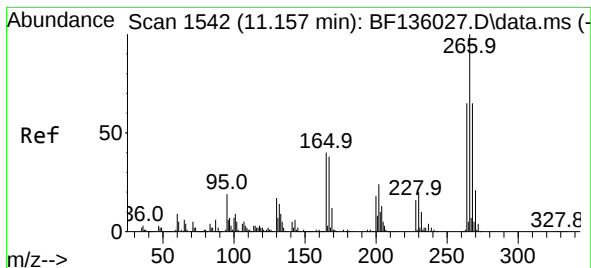
Ion Ratio Lower Upper

200 100

173 26.2 5.2 45.2

215 47.8 28.4 68.4





#70

Pentachlorophenol

Concen: 87.662 ng

RT: 11.163 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

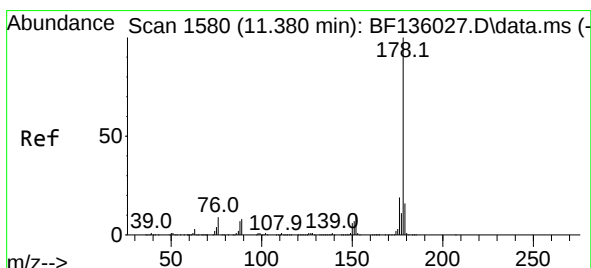
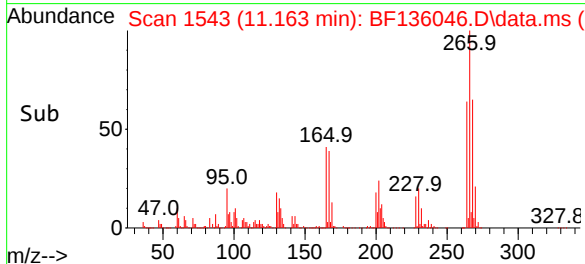
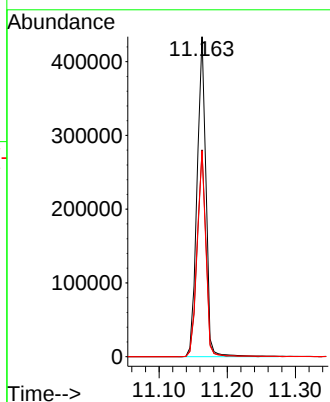
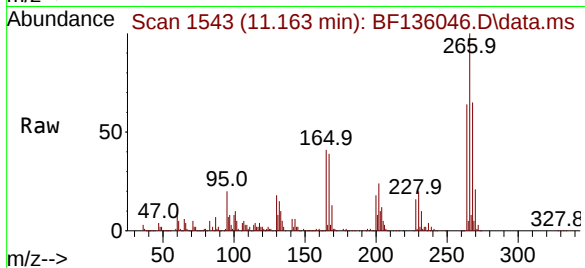
Tgt Ion:266 Resp: 393656

Ion Ratio Lower Upper

266 100

268 64.6 52.2 78.4

264 64.2 52.2 78.4



#71

Phenanthrene

Concen: 46.043 ng

RT: 11.386 min Scan# 1581

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

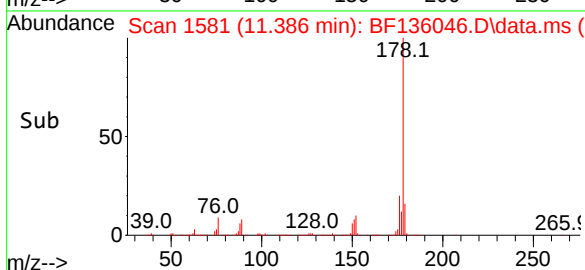
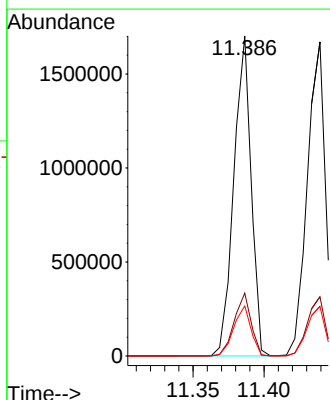
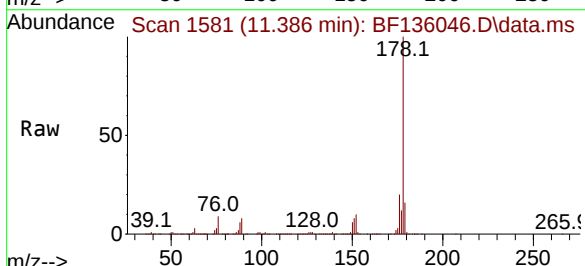
Tgt Ion:178 Resp: 1447685

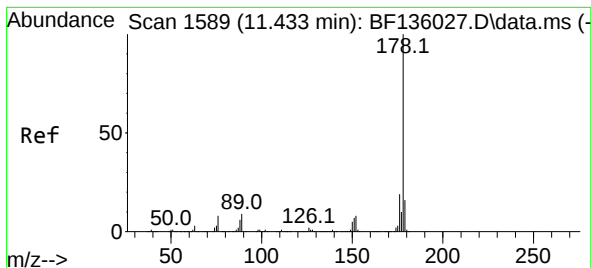
Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 15.6 12.9 19.3





#72

Anthracene

Concen: 45.948 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

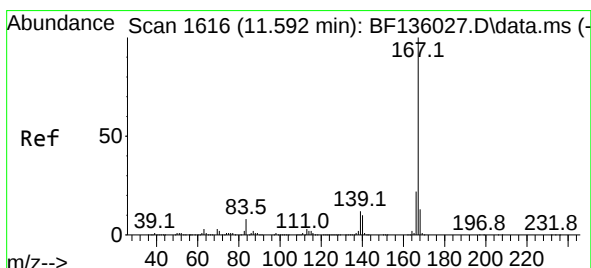
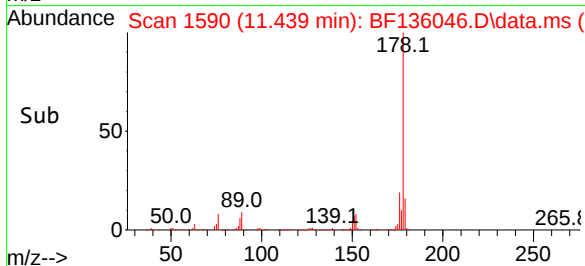
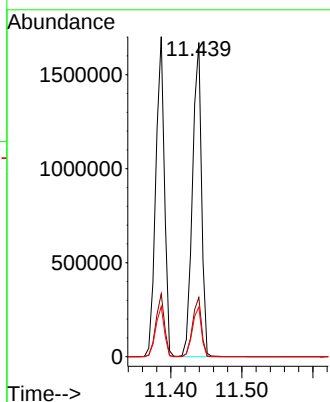
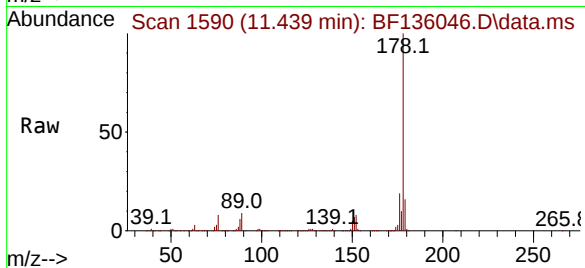
Tgt Ion:178 Resp: 1480362

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

179 15.8 12.6 18.8



#73

Carbazole

Concen: 46.256 ng

RT: 11.592 min Scan# 1616

Delta R.T. 0.000 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

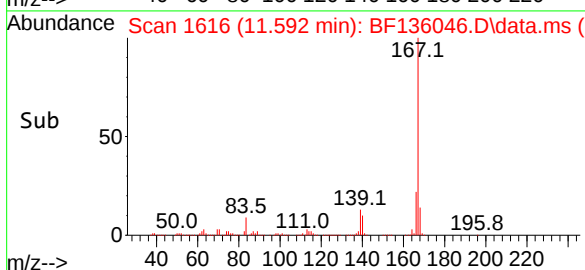
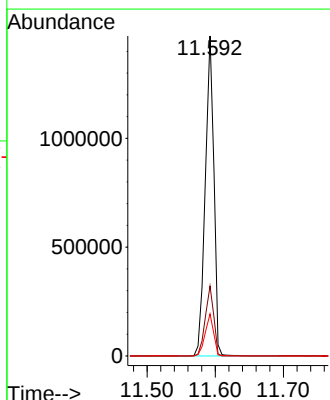
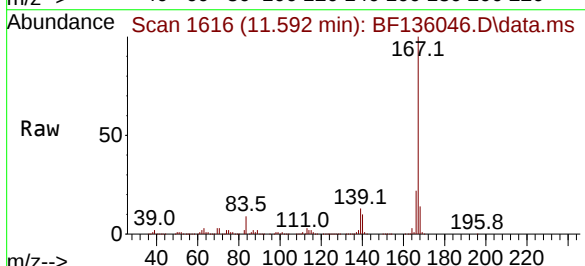
Tgt Ion:167 Resp: 1295042

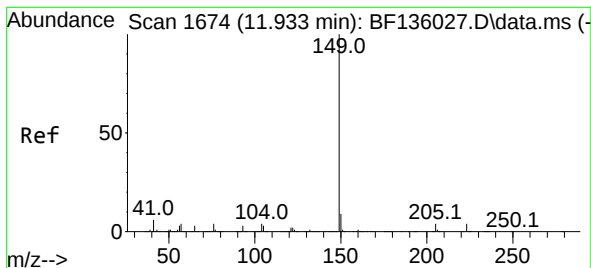
Ion Ratio Lower Upper

167 100

166 21.8 17.2 25.8

139 13.2 9.9 14.9





#74

Di-n-butylphthalate

Concen: 48.029 ng

RT: 11.933 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

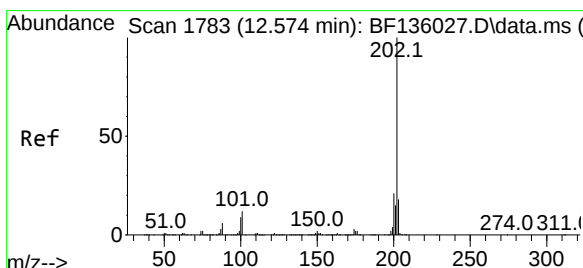
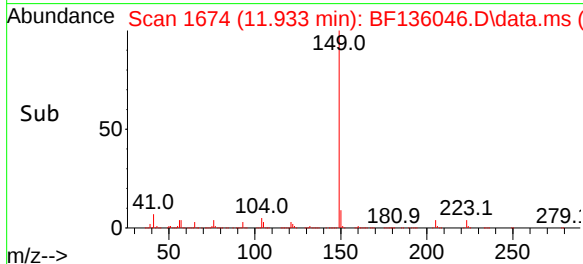
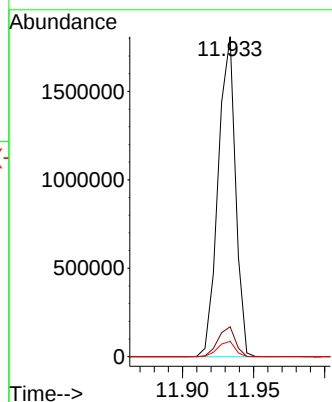
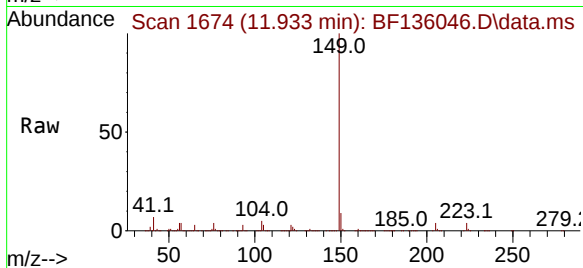
Tgt Ion:149 Resp: 1536525

Ion Ratio Lower Upper

149 100

150 9.4 7.3 10.9

104 4.8 3.6 5.4



#75

Fluoranthene

Concen: 44.236 ng

RT: 12.580 min Scan# 1784

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

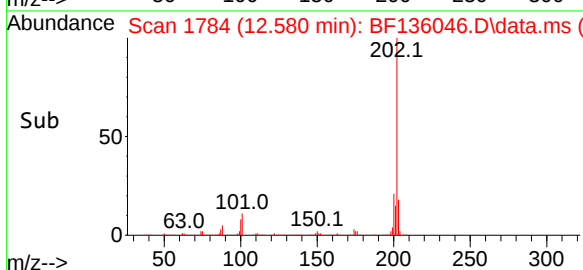
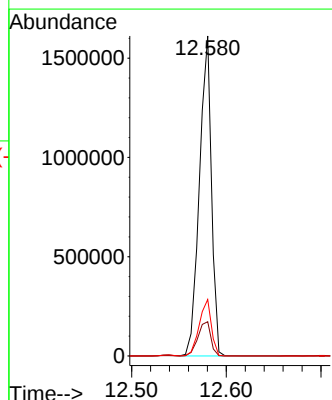
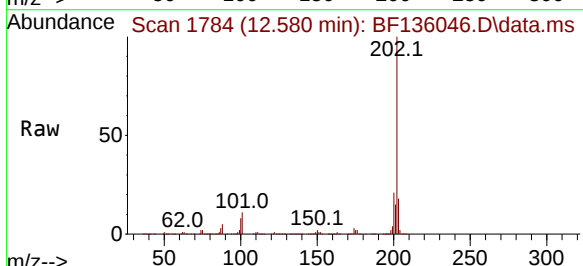
Tgt Ion:202 Resp: 1428821

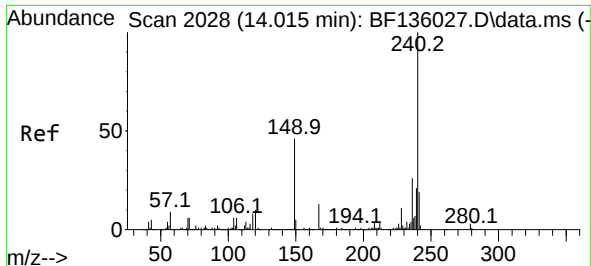
Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.8

203 17.7 0.0 37.9

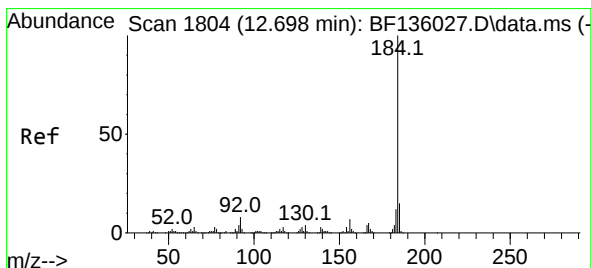
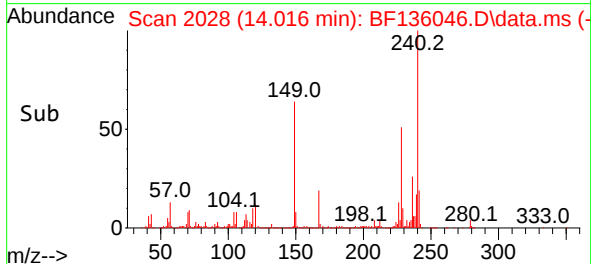
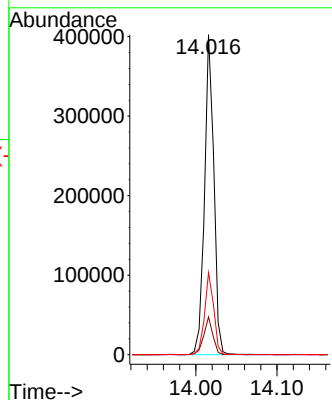
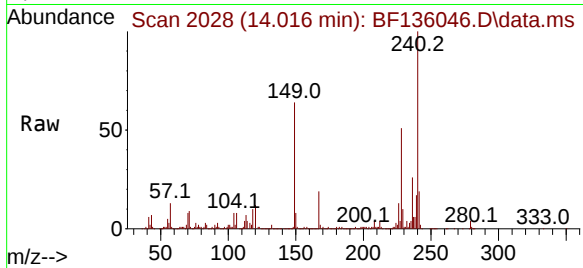




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

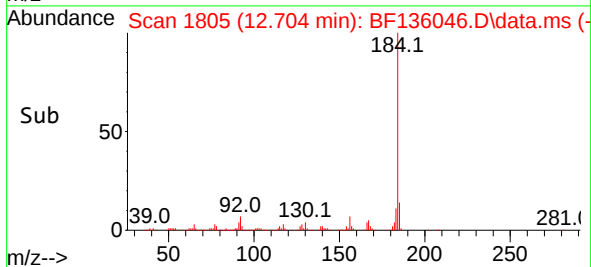
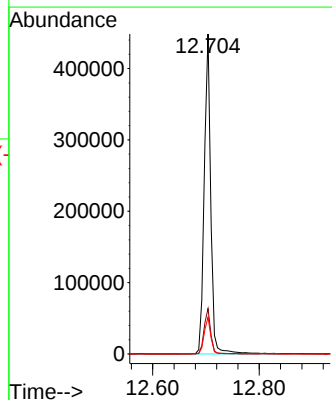
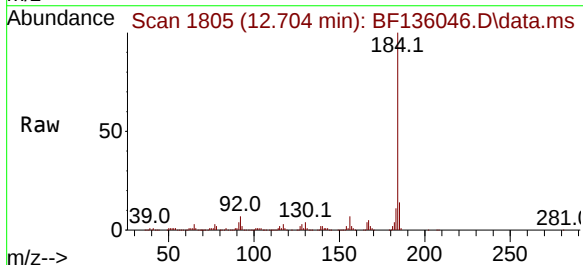
Instrument :
BNA_F
ClientSampleId :
PB156648BS

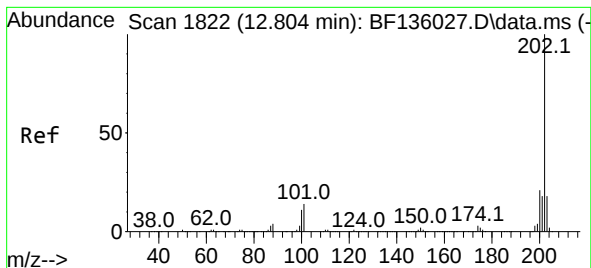
Tgt Ion:240 Resp: 320588
Ion Ratio Lower Upper
240 100
120 11.8 7.6 11.4#
236 25.7 20.6 31.0



#77
Benzidine
Concen: 61.077 ng
RT: 12.704 min Scan# 1805
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:184 Resp: 381641
Ion Ratio Lower Upper
184 100
185 14.2 11.8 17.8
183 11.4 9.5 14.3





#78

Pyrene

Concen: 51.447 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

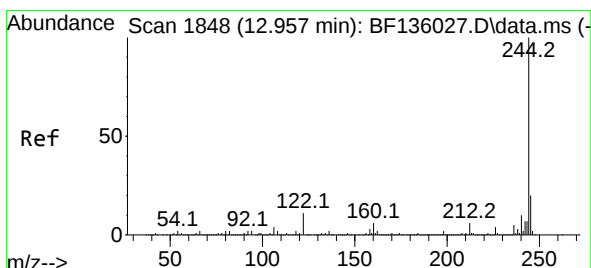
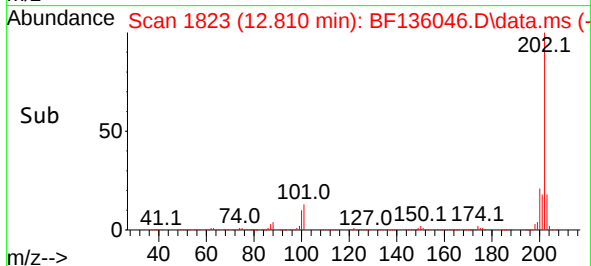
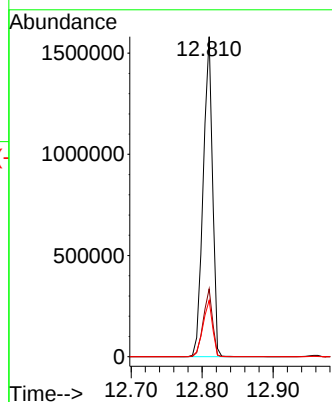
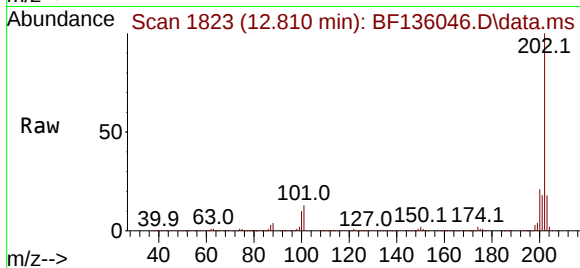
Tgt Ion:202 Resp: 1454142

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.6 14.4 21.6



#79

Terphenyl-d14

Concen: 99.036 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

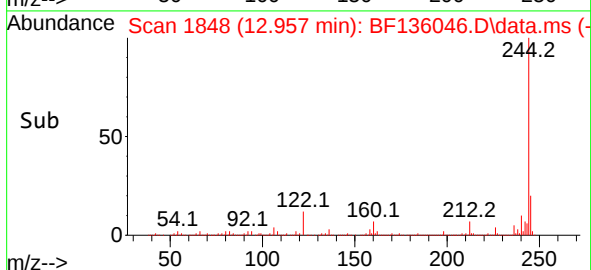
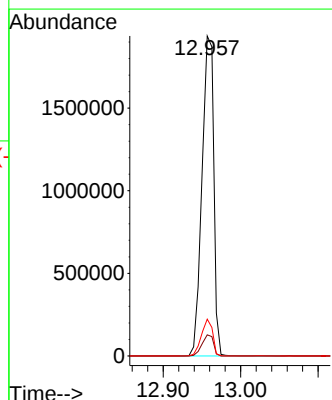
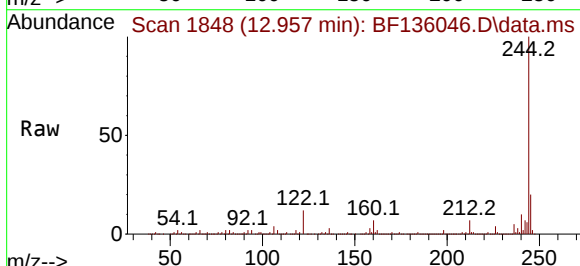
Tgt Ion:244 Resp: 2043050

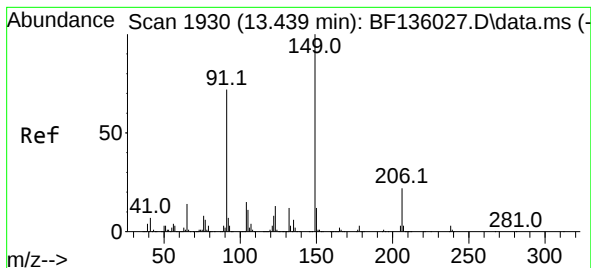
Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 11.5 8.6 12.8

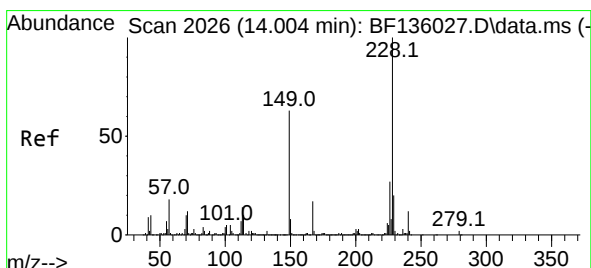
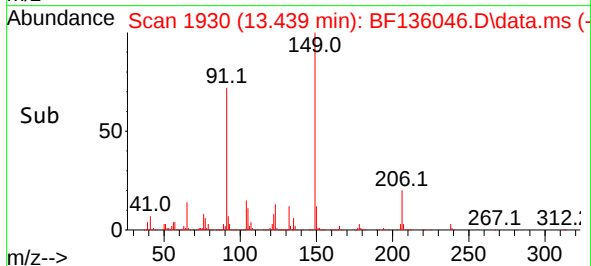
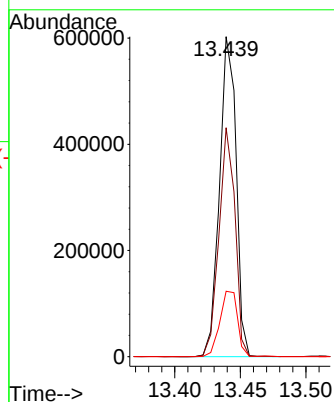
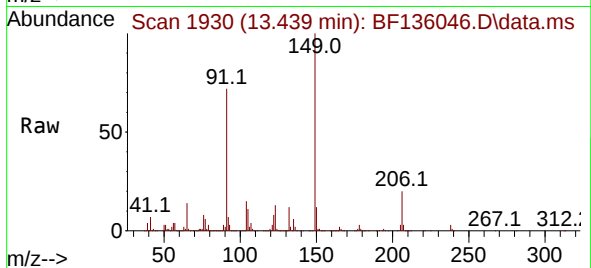




#80
 Butylbenzylphthalate
 Concen: 52.376 ng
 RT: 13.439 min Scan# 1930
 Delta R.T. 0.000 min
 Lab File: BF136046.D
 Acq: 31 Oct 2023 12:27

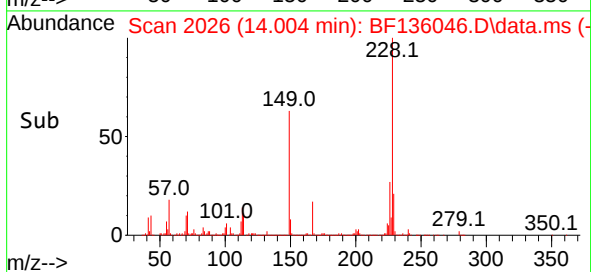
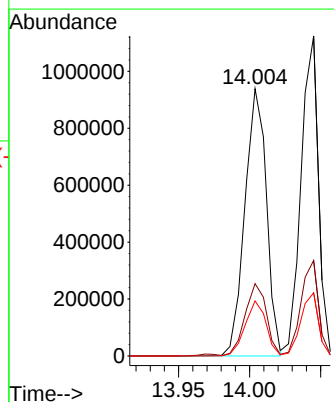
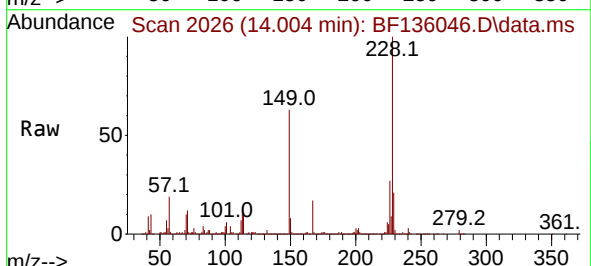
Instrument :
 BNA_F
 ClientSampleId :
 PB156648BS

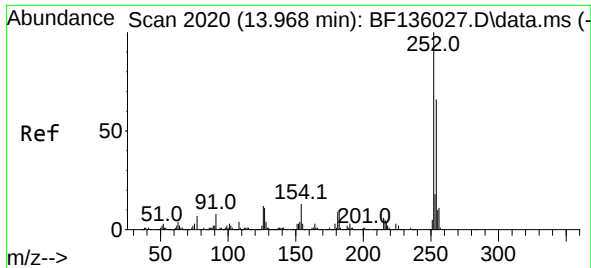
Tgt Ion:149 Resp: 529907
 Ion Ratio Lower Upper
 149 100
 91 71.6 57.6 86.4
 206 20.5 17.4 26.0



#81
 Benzo(a)anthracene
 Concen: 46.751 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.000 min
 Lab File: BF136046.D
 Acq: 31 Oct 2023 12:27

Tgt Ion:228 Resp: 992230
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.5 32.3
 229 20.6 15.8 23.6

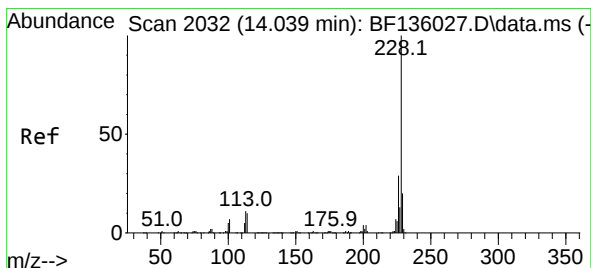
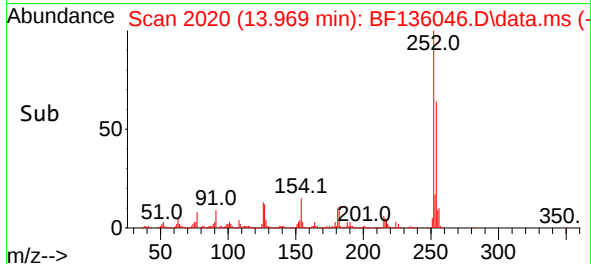
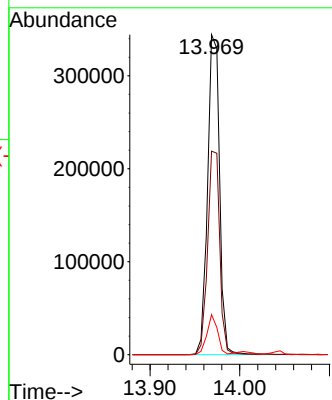
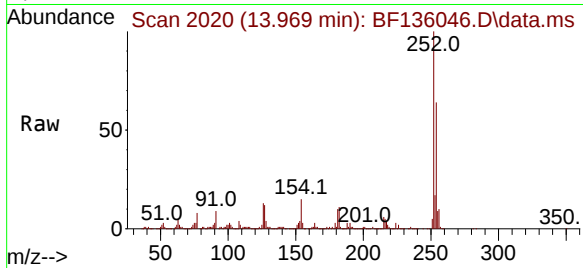




#82
3,3'-Dichlorobenzidine
Concen: 47.277 ng
RT: 13.969 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

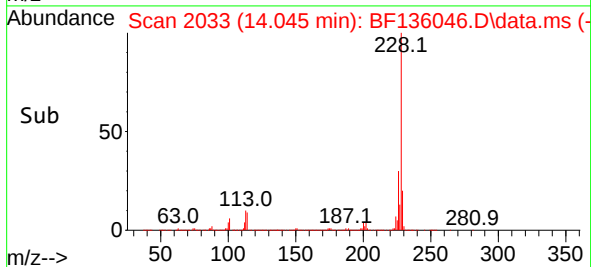
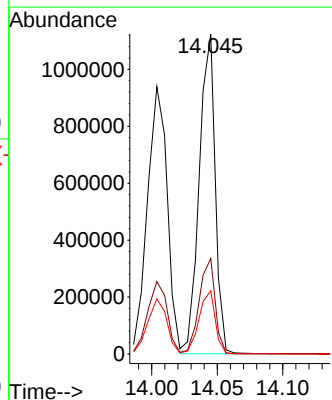
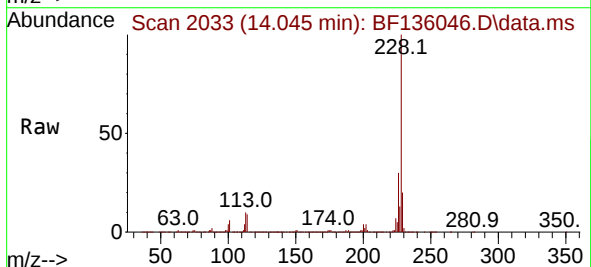
Instrument :
BNA_F
ClientSampleId :
PB156648BS

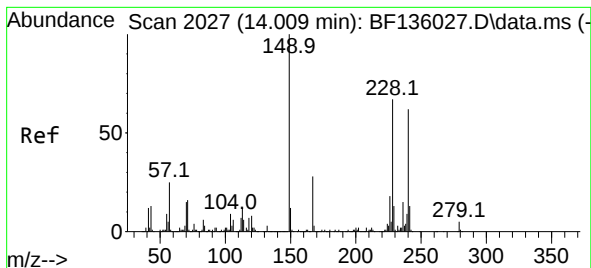
Tgt Ion:252 Resp: 320253
Ion Ratio Lower Upper
252 100
254 63.6 52.5 78.7
126 12.5 9.4 14.2



#83
Chrysene
Concen: 45.702 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF136046.D
Acq: 31 Oct 2023 12:27

Tgt Ion:228 Resp: 955247
Ion Ratio Lower Upper
228 100
226 29.9 23.5 35.3
229 19.8 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 53.743 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

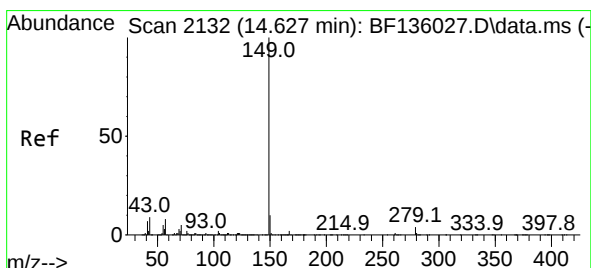
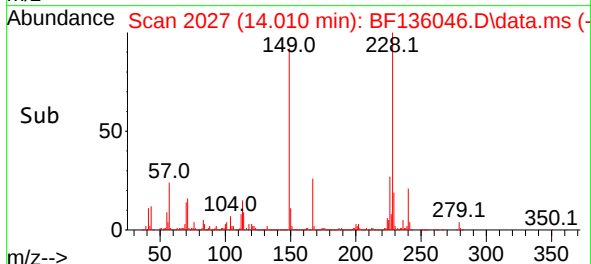
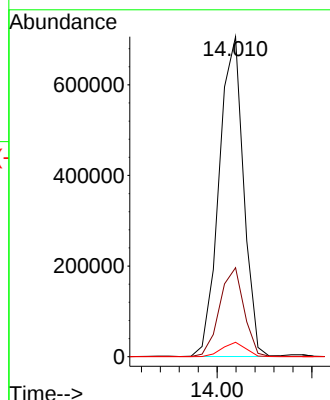
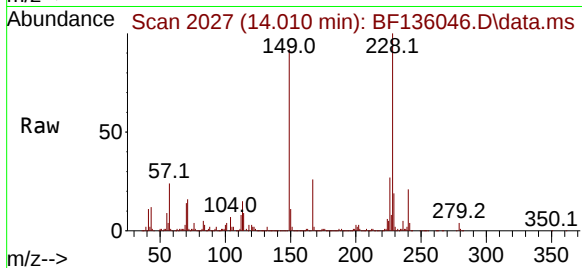
Tgt Ion:149 Resp: 633485

Ion Ratio Lower Upper

149 100

167 27.8 22.6 33.8

279 4.5 4.1 6.1



#85

Di-n-octyl phthalate

Concen: 58.003 ng

RT: 14.627 min Scan# 2132

Delta R.T. 0.000 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

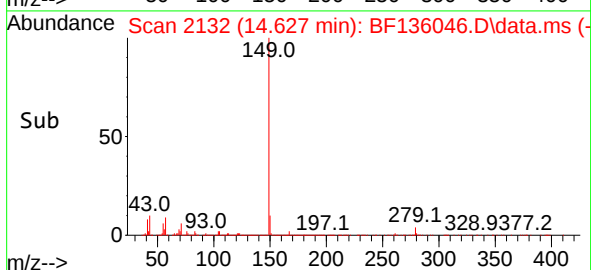
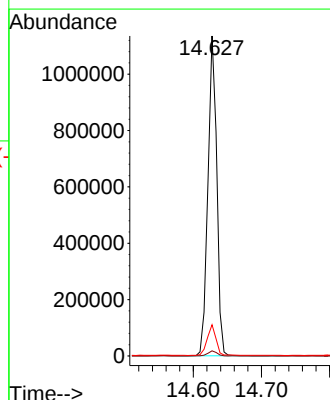
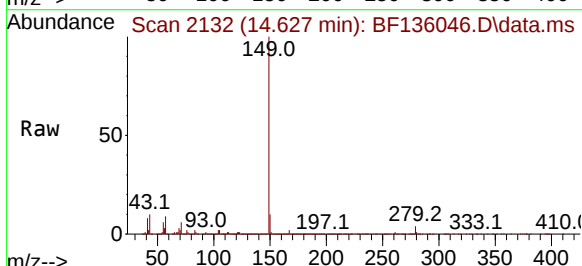
Tgt Ion:149 Resp: 1024228

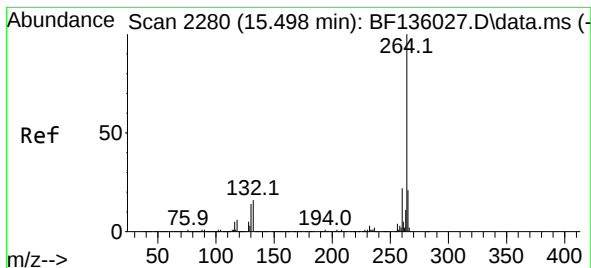
Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 9.6 7.6 11.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

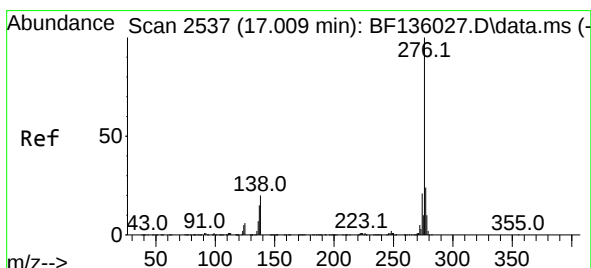
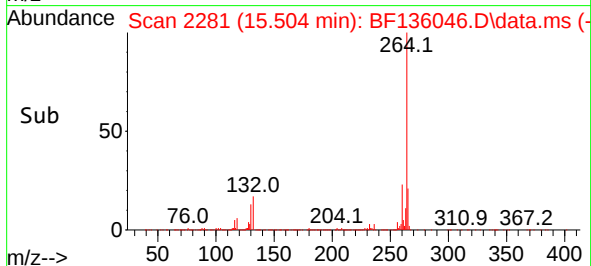
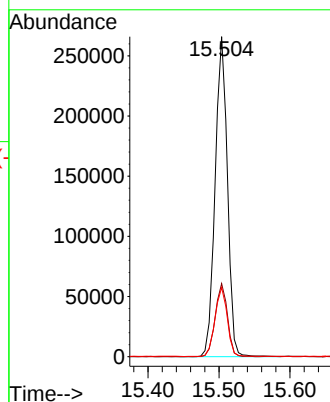
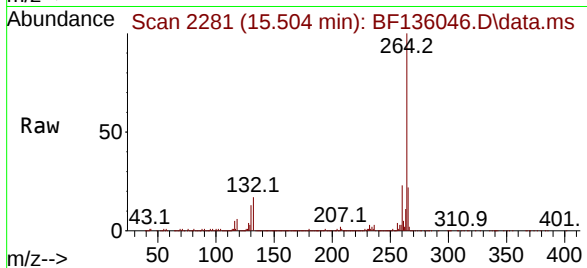
Tgt Ion:264 Resp: 318491

Ion Ratio Lower Upper

264 100

260 22.9 17.9 26.9

265 21.6 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 54.535 ng

RT: 17.027 min Scan# 2540

Delta R.T. 0.018 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

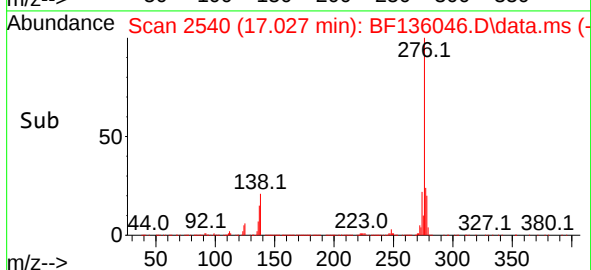
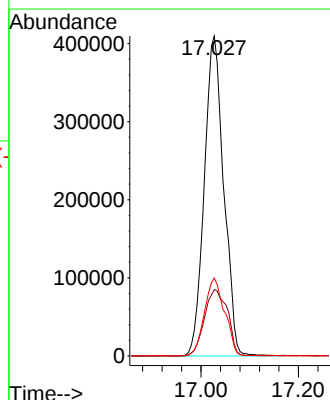
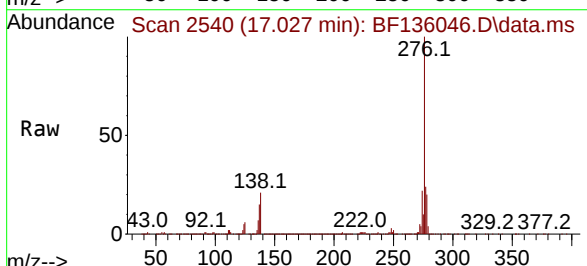
Tgt Ion:276 Resp: 1135170

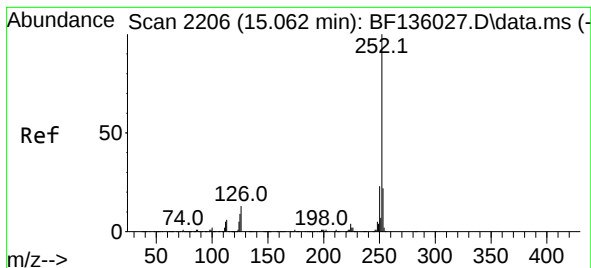
Ion Ratio Lower Upper

276 100

138 24.7 20.4 30.6

277 25.4 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 47.115 ng

RT: 15.068 min Scan# 2112

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

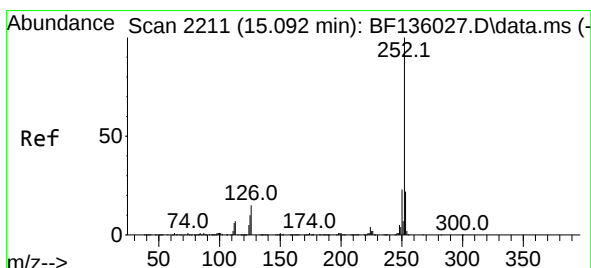
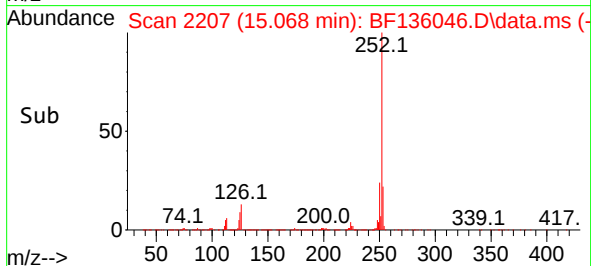
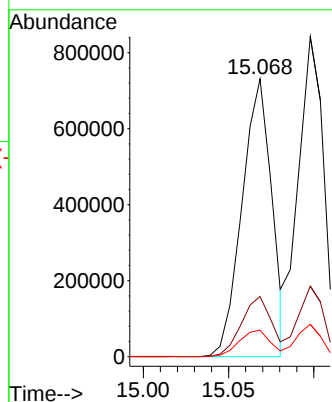
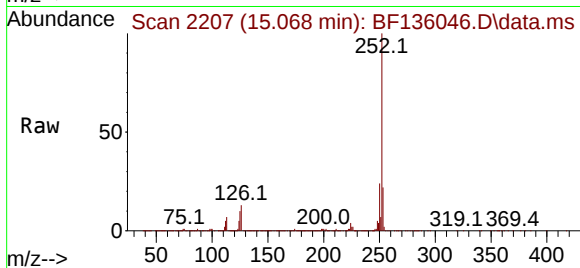
Tgt Ion:252 Resp: 887907

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 9.6 7.5 11.3



#89

Benzo(k)fluoranthene

Concen: 47.100 ng

RT: 15.098 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

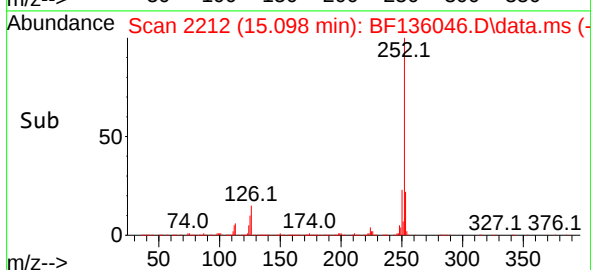
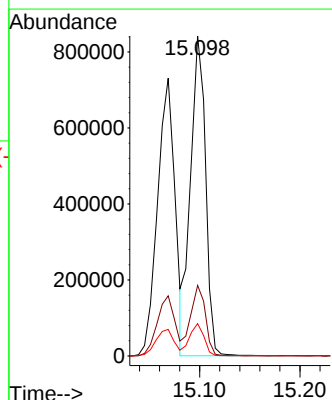
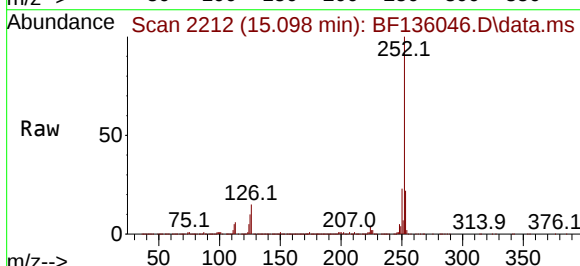
Tgt Ion:252 Resp: 878254

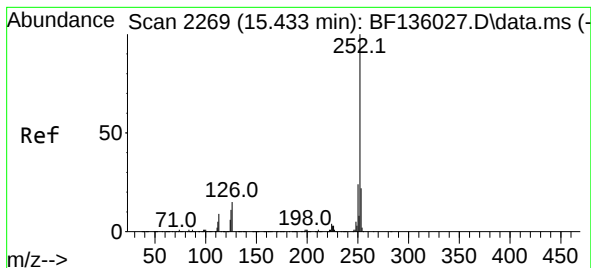
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 10.1 8.0 12.0





#90

Benzo(a)pyrene

Concen: 45.270 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

Instrument :

BNA_F

ClientSampleId :

PB156648BS

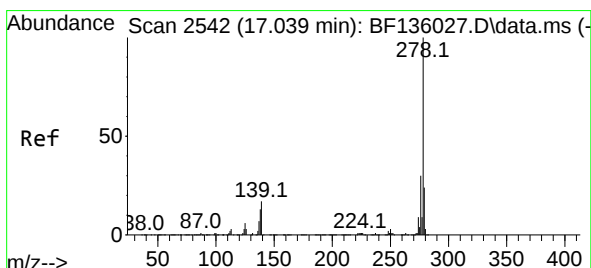
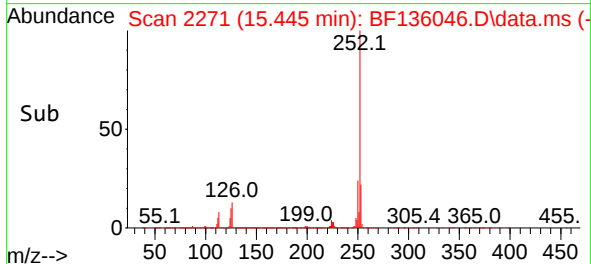
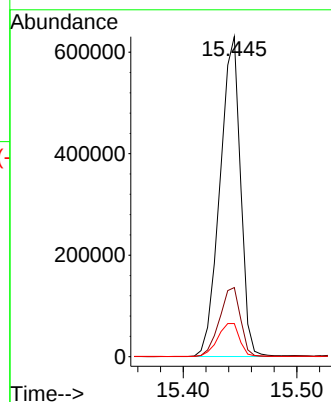
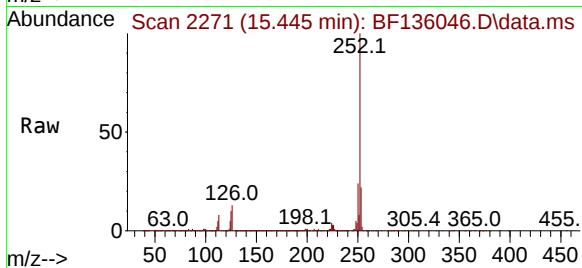
Tgt Ion:252 Resp: 792693

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 10.3 9.0 13.6



#91

Dibenzo(a,h)anthracene

Concen: 54.816 ng

RT: 17.057 min Scan# 2545

Delta R.T. 0.018 min

Lab File: BF136046.D

Acq: 31 Oct 2023 12:27

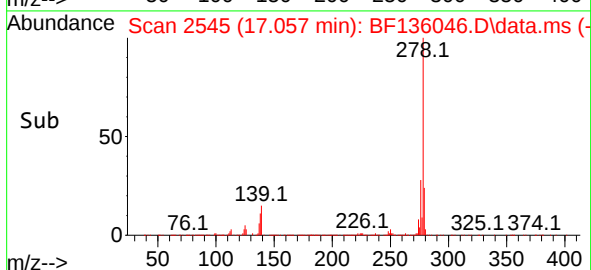
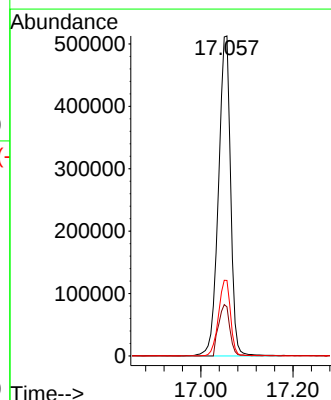
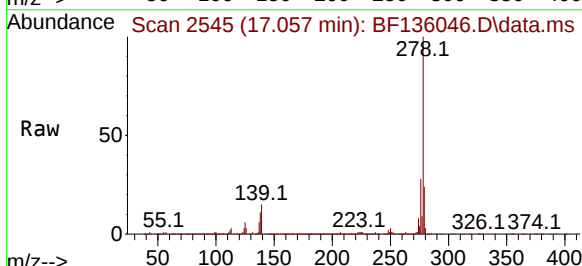
Tgt Ion:278 Resp: 934634

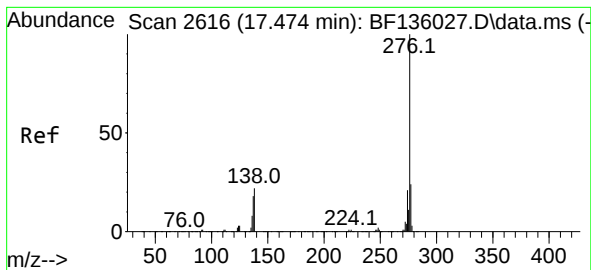
Ion Ratio Lower Upper

278 100

139 15.4 13.7 20.5

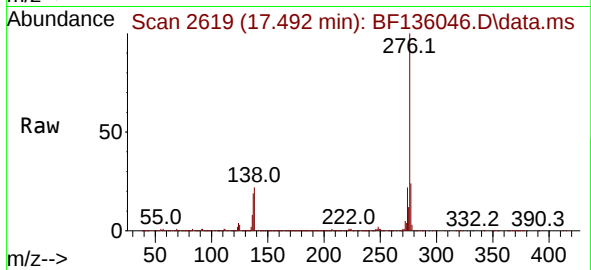
279 23.6 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 49.055 ng
 RT: 17.492 min Scan# 20
 Delta R.T. 0.018 min
 Lab File: BF136046.D
 Acq: 31 Oct 2023 12:27

Instrument :
 BNA_F
 ClientSampleId :
 PB156648BS



Tgt Ion:276 Resp: 953567

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	21.5	17.4	26.2

