

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136331.D
 Acq On : 01 Dec 2023 11:36
 Operator : CG\JU
 Sample : PB157389BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB157389BS

Quant Time: Dec 04 05:55:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	141142	20.000	ng	0.00
21) Naphthalene-d8	8.086	136	628744	20.000	ng	0.00
39) Acenaphthene-d10	9.845	164	323918	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	581043	20.000	ng	0.00
76) Chrysene-d12	13.992	240	262829	20.000	ng	0.00
86) Perylene-d12	15.474	264	264176	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	1177387	116.106	ng	0.02
7) Phenol-d6	6.451	99	1430421	112.814	ng	0.00
23) Nitrobenzene-d5	7.375	82	873121	73.382	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	456027	115.153	ng	0.00
45) 2-Fluorobiphenyl	9.169	172	1825558	71.987	ng	0.00
79) Terphenyl-d14	12.933	244	1711238	75.102	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.693	88	119746	31.209	ng	97
3) Pyridine	3.446	79	299985	31.672	ng	94
4) n-Nitrosodimethylamine	3.410	42	172893	36.111	ng	89
6) Aniline	6.475	93	380970	31.789	ng	98
8) 2-Chlorophenol	6.598	128	458897	41.561	ng	93
9) Benzaldehyde	6.363	77	21701	3.071	ng	91
10) Phenol	6.463	94	539603	39.668	ng	97
11) bis(2-Chloroethyl)ether	6.551	93	405218	40.606	ng	96
12) 1,3-Dichlorobenzene	6.751	146	470379	37.539	ng	100
13) 1,4-Dichlorobenzene	6.828	146	491505	38.585	ng	98
14) 1,2-Dichlorobenzene	6.975	146	461014	38.229	ng	96
15) Benzyl Alcohol	6.957	79	366038	41.175	ng	95
16) 2,2'-oxybis(1-Chloropr...	7.087	45	546564	39.431	ng	96
17) 2-Methylphenol	7.063	107	351766	40.523	ng	97
18) Hexachloroethane	7.316	117	167858	37.568	ng	93
19) n-Nitroso-di-n-propyla...	7.228	70	301195	39.718	ng	95
20) 3+4-Methylphenols	7.216	107	446493	39.577	ng	95
22) Acetophenone	7.216	105	630922	38.208	ng	# 96
24) Nitrobenzene	7.392	77	450116	37.331	ng	95
25) Isophorone	7.628	82	832388	38.798	ng	97
26) 2-Nitrophenol	7.704	139	232544	45.265	ng	99
27) 2,4-Dimethylphenol	7.745	122	362263	53.574	ng	95
28) bis(2-Chloroethoxy)met...	7.839	93	519680	40.046	ng	98
29) 2,4-Dichlorophenol	7.945	162	376431	41.272	ng	95
30) 1,2,4-Trichlorobenzene	8.028	180	419273	37.547	ng	97
31) Naphthalene	8.110	128	1348276	38.151	ng	98
32) Benzoic acid	7.881	122	278135	45.132	ng	99
33) 4-Chloroaniline	8.157	127	293144	24.403	ng	99
34) Hexachlorobutadiene	8.222	225	237691	36.384	ng	98
35) Caprolactam	8.539	113	71337	27.979	ng	98
36) 4-Chloro-3-methylphenol	8.645	107	396644	40.098	ng	97
37) 2-Methylnaphthalene	8.798	142	857419	38.677	ng	97
38) 1-Methylnaphthalene	8.898	142	806840	37.309	ng	95
40) 1,2,4,5-Tetrachloroben...	8.969	216	405590	39.344	ng	99
41) Hexachlorocyclopentadiene	8.951	237	400515	100.971	ng	97
43) 2,4,6-Trichlorophenol	9.081	196	270808	40.473	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	288468	39.506	ng	96
46) 1,1'-Biphenyl	9.269	154	1113427	38.979	ng	98
47) 2-Chloronaphthalene	9.292	162	843124	38.008	ng	98
48) 2-Nitroaniline	9.392	65	237511	41.010	ng	86
49) Acenaphthylene	9.710	152	1301278	41.106	ng	99
50) Dimethylphthalate	9.575	163	986134	40.279	ng	99
51) 2,6-Dinitrotoluene	9.639	165	206730	41.333	ng	# 85
52) Acenaphthene	9.880	154	769084	38.444	ng	99
53) 3-Nitroaniline	9.804	138	161635	32.570	ng	98
54) 2,4-Dinitrophenol	9.916	184	211573	90.954	ng	93
55) Dibenzofuran	10.057	168	1159230	38.941	ng	98
56) 4-Nitrophenol	9.975	139	290144	76.978	ng	91
57) 2,4-Dinitrotoluene	10.045	165	272719	40.820	ng	98
58) Fluorene	10.398	166	898970	38.500	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.175	232	238895	41.119	ng	97
60) Diethylphthalate	10.280	149	949064	38.753	ng	97
61) 4-Chlorophenyl-phenyle...	10.392	204	433887	38.263	ng	98
62) 4-Nitroaniline	10.422	138	181941	37.454	ng	95
63) Azobenzene	10.551	77	856950	37.744	ng	98
65) 4,6-Dinitro-2-methylph...	10.451	198	136454	42.945	ng	96
66) n-Nitrosodiphenylamine	10.516	169	788012	42.320	ng	99
67) 4-Bromophenyl-phenylether	10.880	248	281790	41.569	ng	99
68) Hexachlorobenzene	10.945	284	313673	39.981	ng	# 93
69) Atrazine	11.045	200	224679	40.676	ng	97
70) Pentachlorophenol	11.145	266	289577	65.297	ng	98
71) Phenanthrene	11.363	178	1335558	40.896	ng	99
72) Anthracene	11.416	178	1328606	40.569	ng	98
73) Carbazole	11.575	167	1067365	38.321	ng	99
74) Di-n-butylphthalate	11.904	149	1389238	39.862	ng	98
75) Fluoranthene	12.557	202	1180051	35.594	ng	97
77) Benzidine	12.680	184	101545	23.503	ng	99
78) Pyrene	12.786	202	1153589	40.077	ng	98
80) Butylbenzylphthalate	13.410	149	381391	42.574	ng	97
81) Benzo(a)anthracene	13.980	228	777232	39.813	ng	98
82) 3,3'-Dichlorobenzidine	13.945	252	213123	45.352	ng	96
83) Chrysene	14.016	228	742594	39.396	ng	98
84) Bis(2-ethylhexyl)phtha...	13.980	149	465364	43.285	ng	# 98
85) Di-n-octyl phthalate	14.598	149	831722	47.672	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	850741	43.357	ng	99
88) Benzo(b)fluoranthene	15.039	252	791253	42.692	ng	99
89) Benzo(k)fluoranthene	15.068	252	687909	39.079	ng	98
90) Benzo(a)pyrene	15.415	252	655362	43.255	ng	98
91) Dibenzo(a,h)anthracene	17.015	278	704865	44.674	ng	99
92) Benzo(g,h,i)perylene	17.451	276	681993	43.086	ng	99

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

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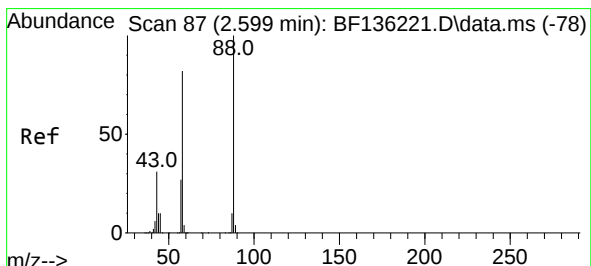
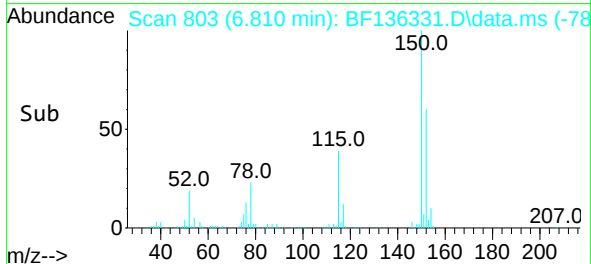
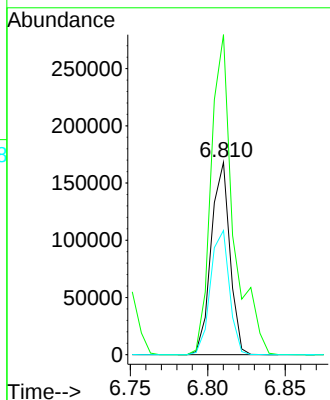
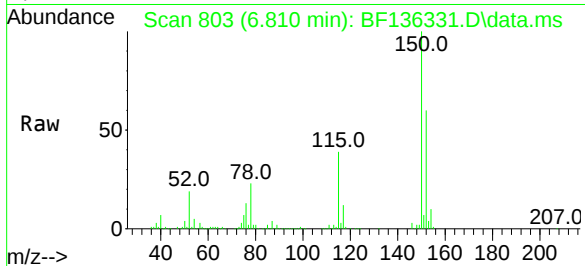




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.810 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF136331.D
 Acq: 01 Dec 2023 11:36

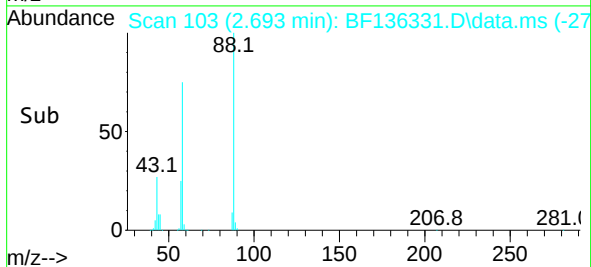
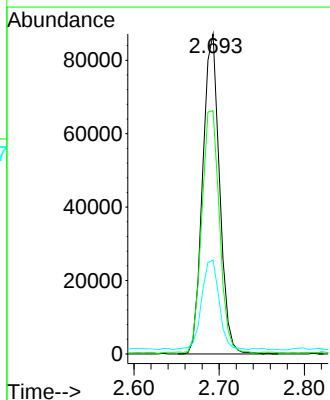
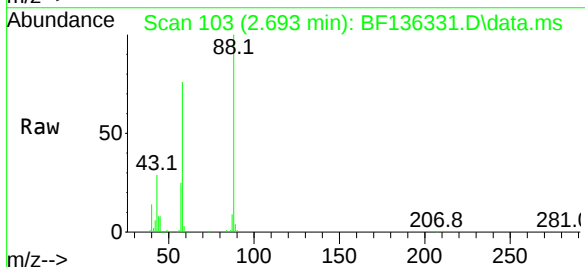
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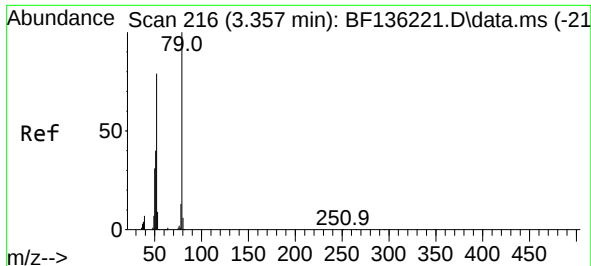
Tgt Ion:152 Resp: 141142
 Ion Ratio Lower Upper
 152 100
 150 166.3 137.8 206.8
 115 64.5 52.7 79.1



#2
 1,4-Dioxane
 Concen: 31.209 ng
 RT: 2.693 min Scan# 103
 Delta R.T. 0.094 min
 Lab File: BF136331.D
 Acq: 01 Dec 2023 11:36

Tgt Ion: 88 Resp: 119746
 Ion Ratio Lower Upper
 88 100
 58 80.4 65.9 98.9
 43 29.1 24.8 37.2

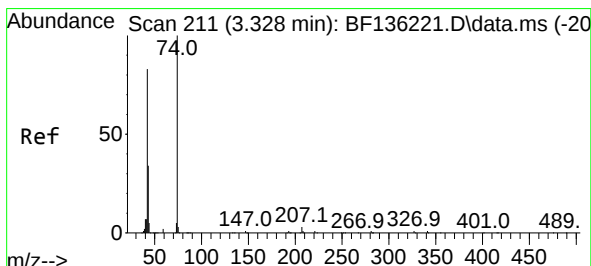
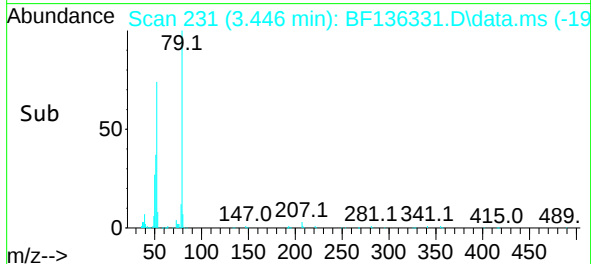
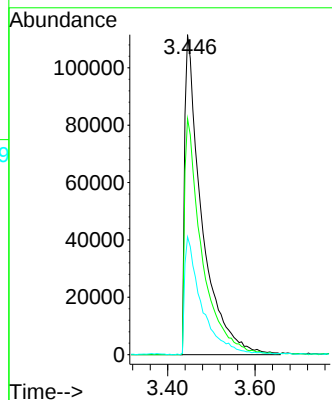
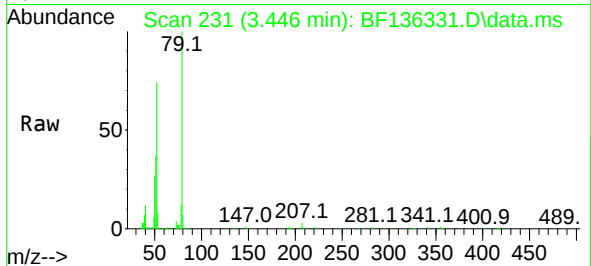




#3
Pyridine
Concen: 31.672 ng
RT: 3.446 min Scan# 216
Delta R.T. 0.088 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

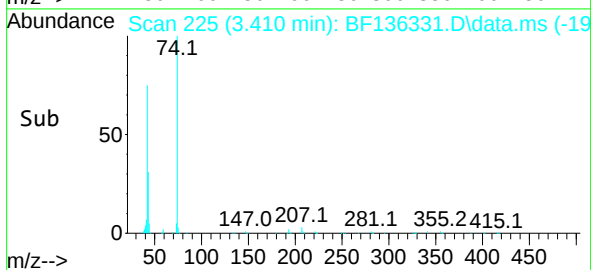
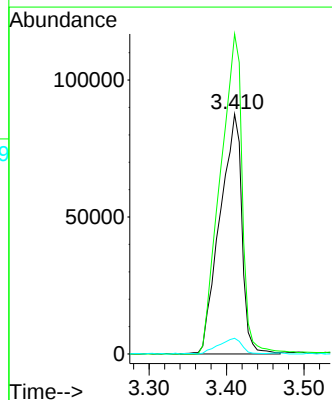
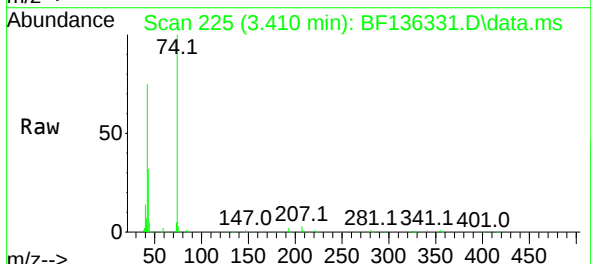
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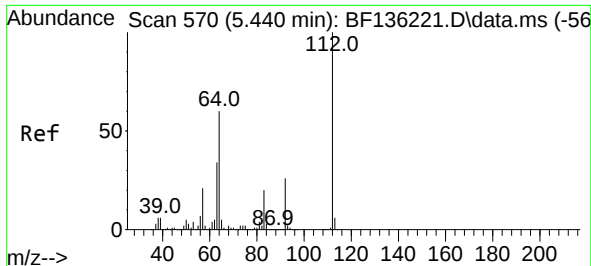
Tgt Ion: 79 Resp: 299985
Ion Ratio Lower Upper
79 100
52 73.7 63.2 94.8
51 36.8 32.6 49.0



#4
n-Nitrosodimethylamine
Concen: 36.111 ng
RT: 3.410 min Scan# 225
Delta R.T. 0.082 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion: 42 Resp: 172893
Ion Ratio Lower Upper
42 100
74 133.4 96.6 144.8
44 6.5 5.4 8.2

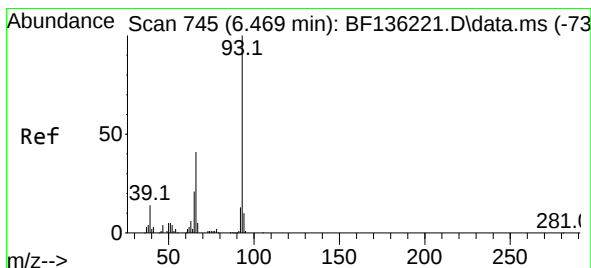
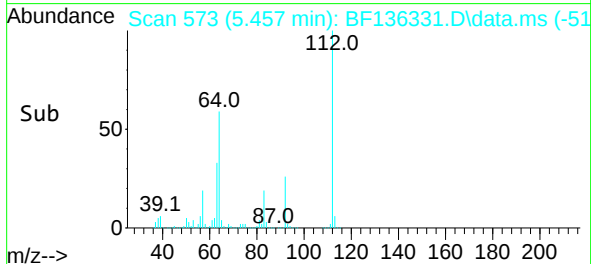
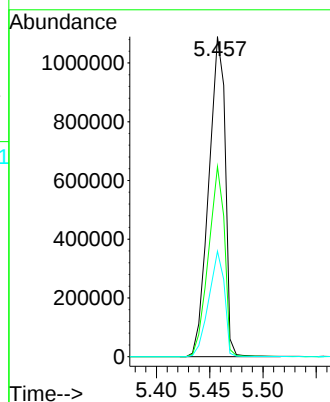
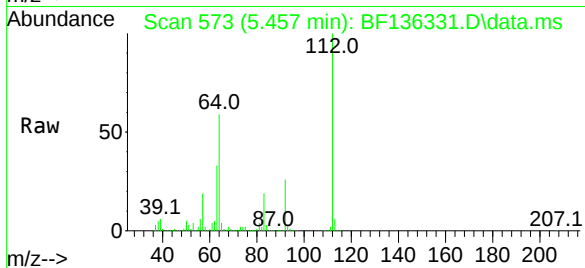




#5
2-Fluorophenol
Concen: 116.106 ng
RT: 5.457 min Scan# 511
Delta R.T. 0.018 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

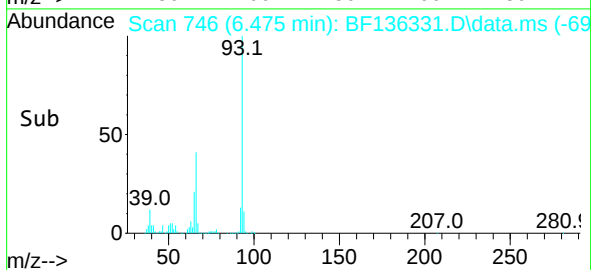
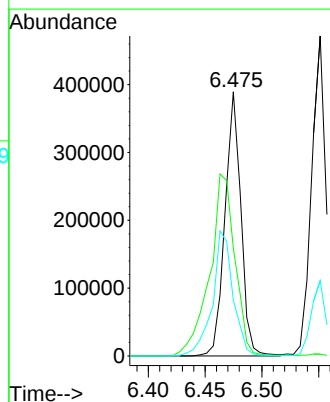
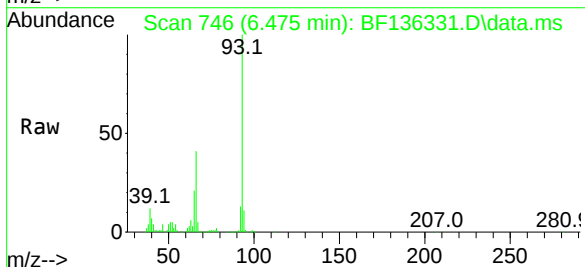
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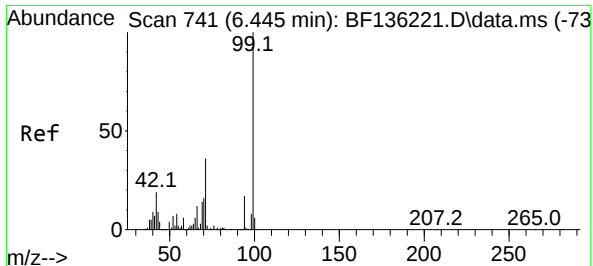
Tgt Ion:112 Resp: 1177387
Ion Ratio Lower Upper
112 100
64 59.4 48.2 72.4
63 33.0 27.0 40.6



#6
Aniline
Concen: 31.789 ng
RT: 6.475 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion: 93 Resp: 380970
Ion Ratio Lower Upper
93 100
66 40.8 34.1 51.1
65 21.2 17.3 25.9

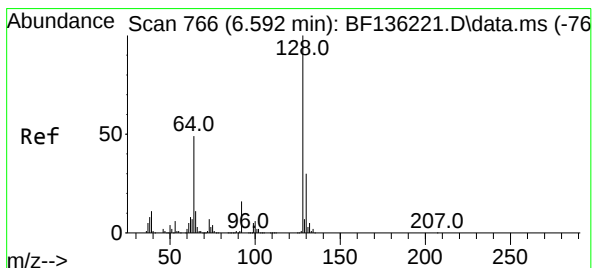
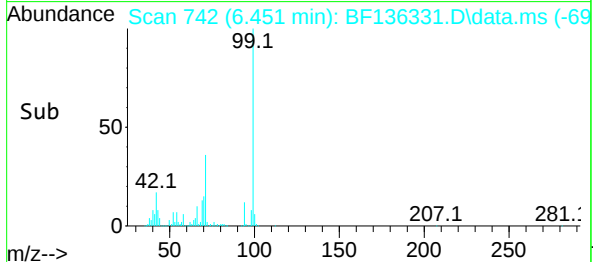
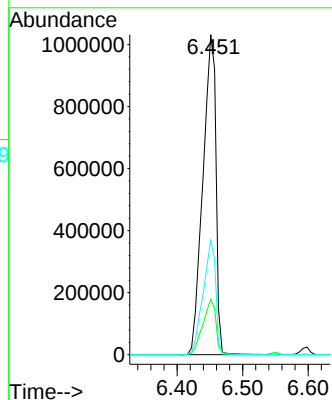
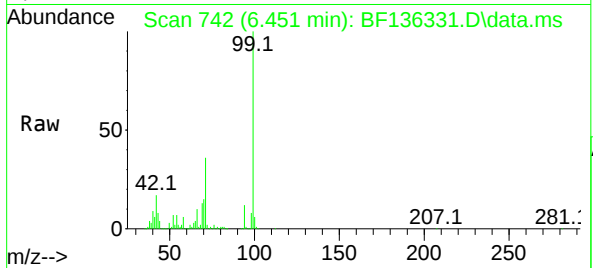




#7
Phenol-d6
Concen: 112.814 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

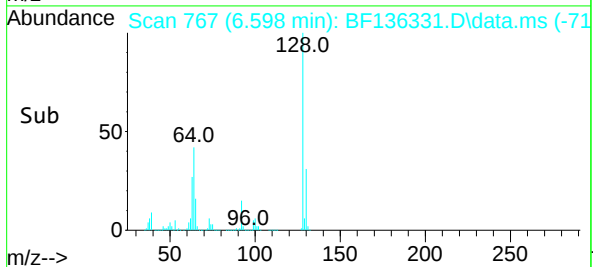
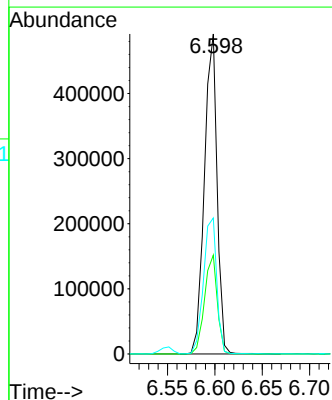
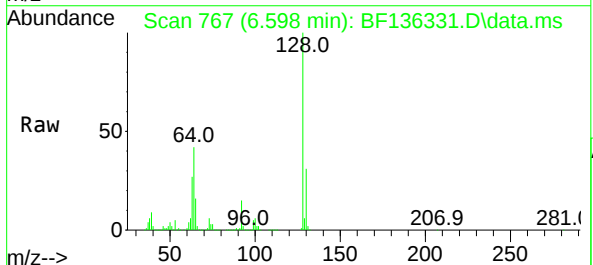
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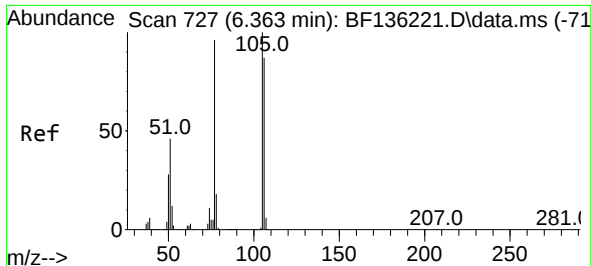
Tgt Ion: 99 Resp: 1430421
Ion Ratio Lower Upper
99 100
42 17.3 15.0 22.6
71 35.7 28.9 43.3



#8
2-Chlorophenol
Concen: 41.561 ng
RT: 6.598 min Scan# 767
Delta R.T. 0.006 min
Lab File: BF136331.D
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Tgt Ion: 128 Resp: 458897
Ion Ratio Lower Upper
128 100
130 30.9 10.3 50.3
64 42.5 30.0 70.0





#9

Benzaldehyde

Concen: 3.071 ng

RT: 6.363 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

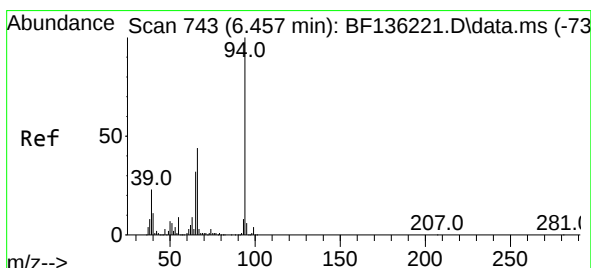
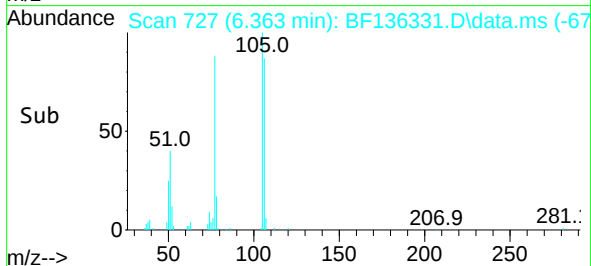
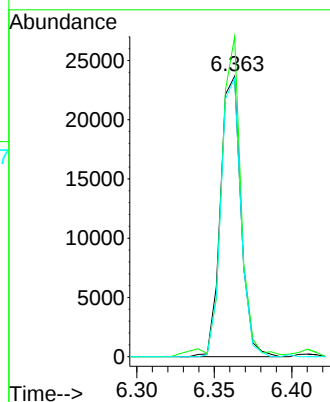
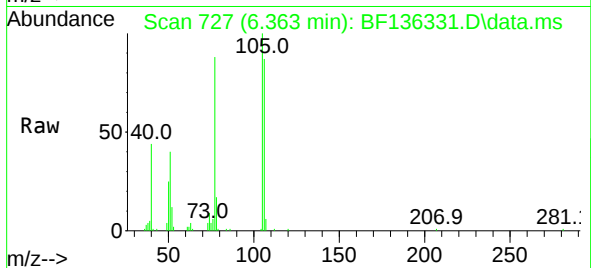
Tgt Ion: 77 Resp: 21701

Ion Ratio Lower Upper

77 100

105 114.1 84.3 124.3

106 99.3 71.0 111.0



#10

Phenol

Concen: 39.668 ng

RT: 6.463 min Scan# 744

Delta R.T. 0.006 min

Lab File: BF136331.D

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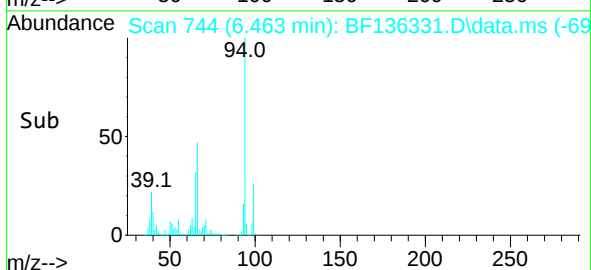
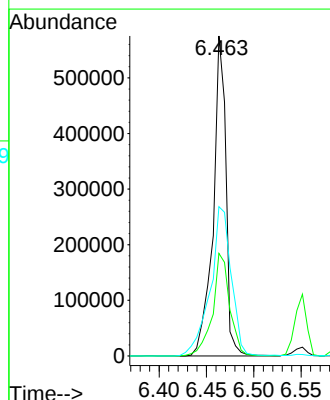
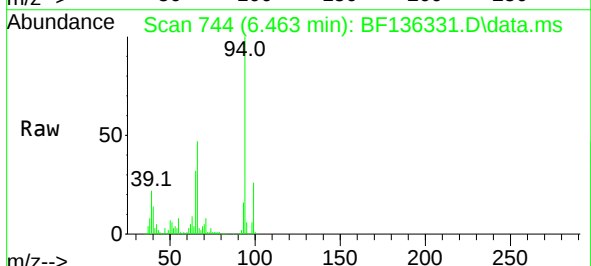
Tgt Ion: 94 Resp: 539603

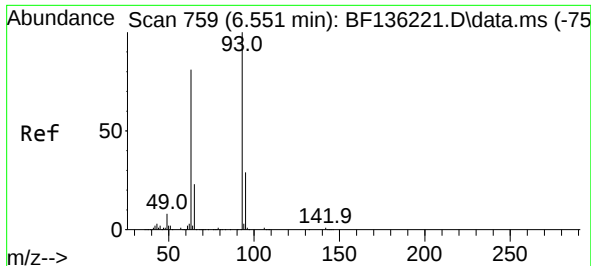
Ion Ratio Lower Upper

94 100

65 32.1 12.5 52.5

66 46.7 24.1 64.1

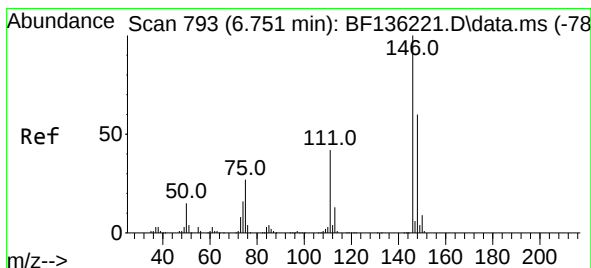
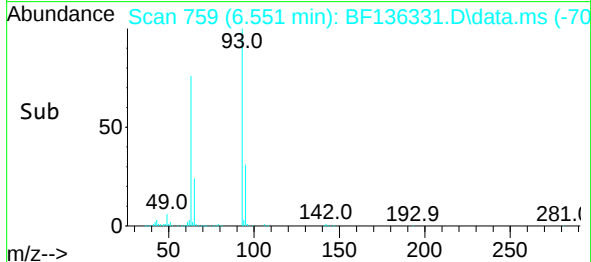
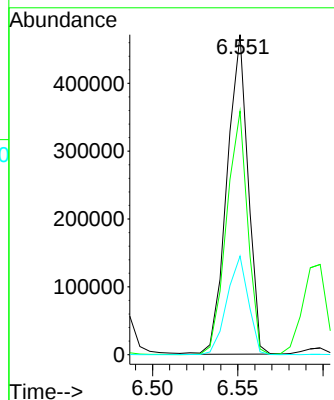
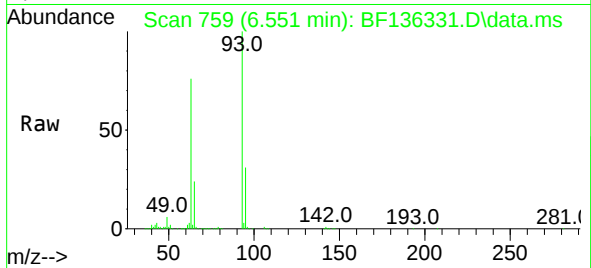




#11
bis(2-Chloroethyl)ether
Concen: 40.606 ng
RT: 6.551 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

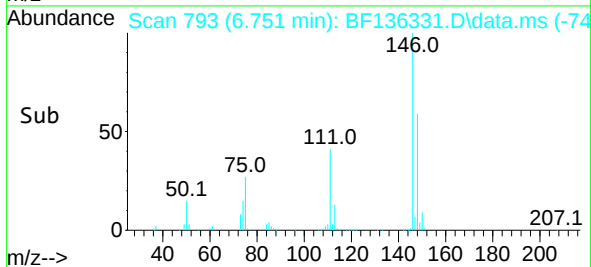
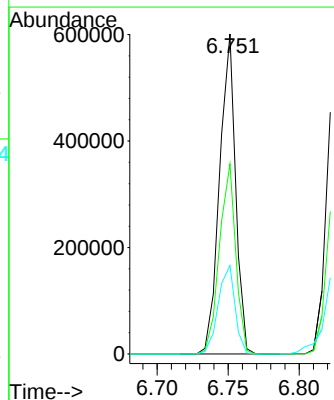
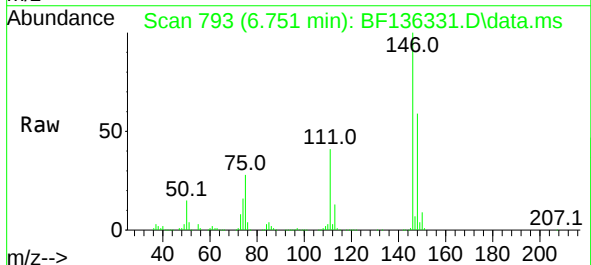
Instrument :
BNA_F
ClientSampleId :
PB157389BS

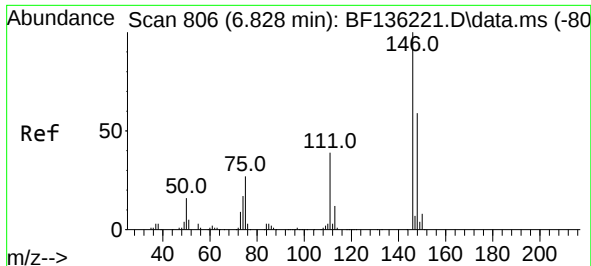
Tgt Ion: 93 Resp: 405218
Ion Ratio Lower Upper
93 100
63 76.1 60.2 100.2
95 30.8 9.1 49.1



#12
1,3-Dichlorobenzene
Concen: 37.539 ng
RT: 6.751 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:146 Resp: 470379
Ion Ratio Lower Upper
146 100
148 59.4 47.8 71.6
75 27.7 22.0 33.0





#13

1,4-Dichlorobenzene

Concen: 38.585 ng

RT: 6.828 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

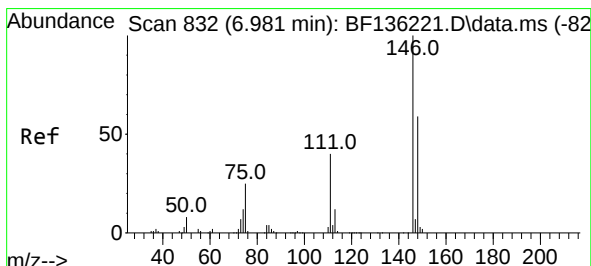
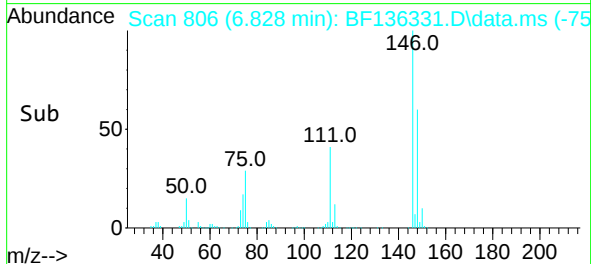
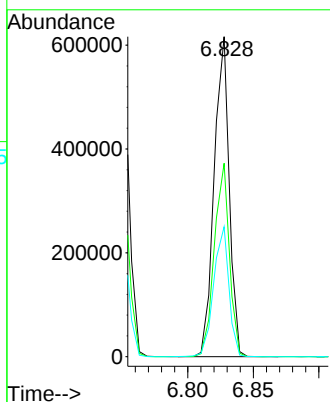
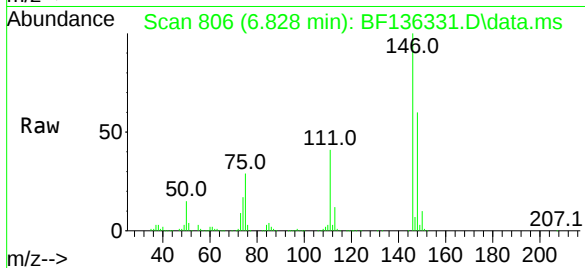
Tgt Ion:146 Resp: 491505

Ion Ratio Lower Upper

146 100

148 60.4 47.0 70.6

111 40.6 31.5 47.3



#14

1,2-Dichlorobenzene

Concen: 38.229 ng

RT: 6.975 min Scan# 831

Delta R.T. -0.006 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

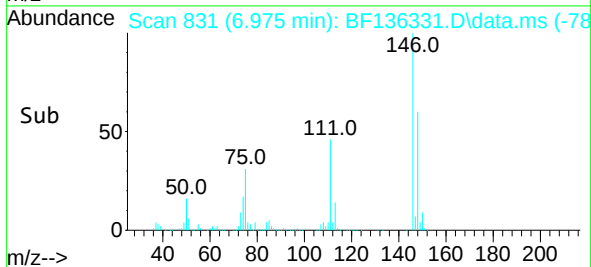
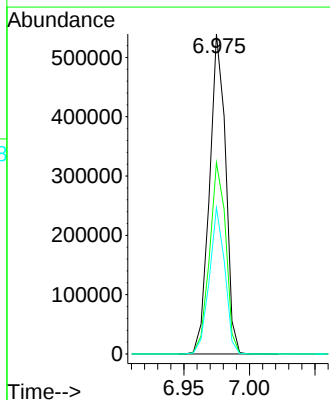
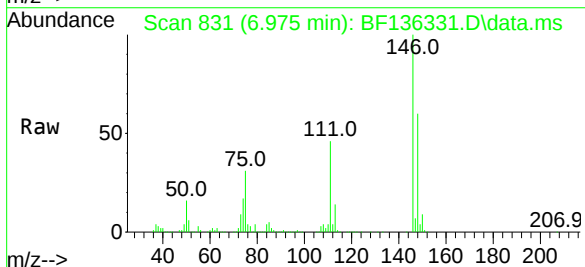
Tgt Ion:146 Resp: 461014

Ion Ratio Lower Upper

146 100

148 59.8 47.3 70.9

111 45.7 32.4 48.6

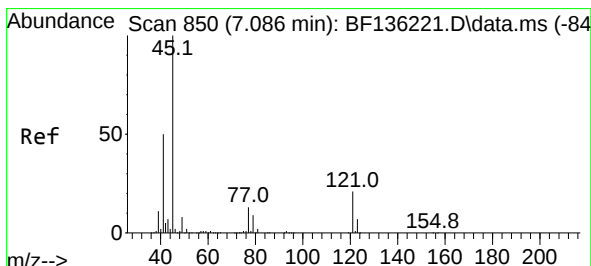
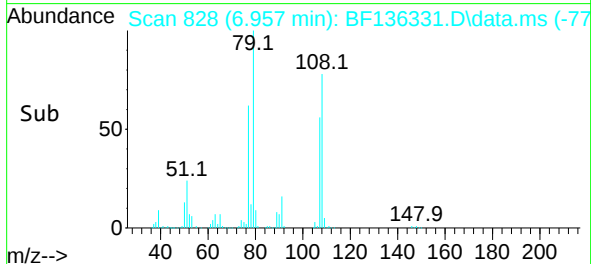
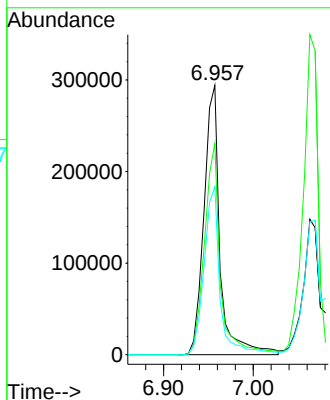
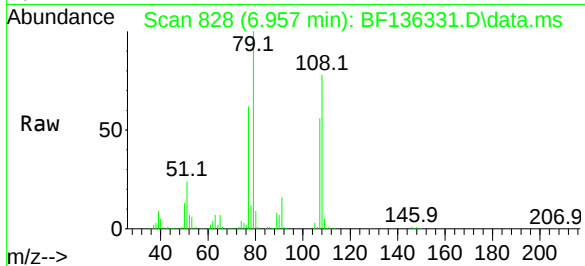




#15
Benzyl Alcohol
Concen: 41.175 ng
RT: 6.957 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

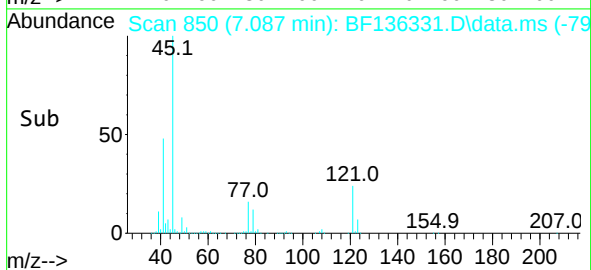
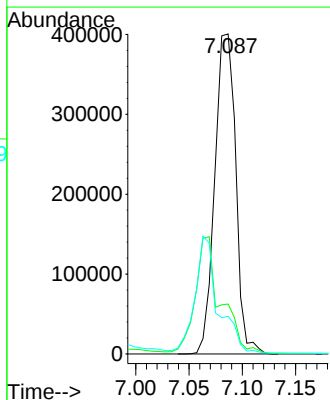
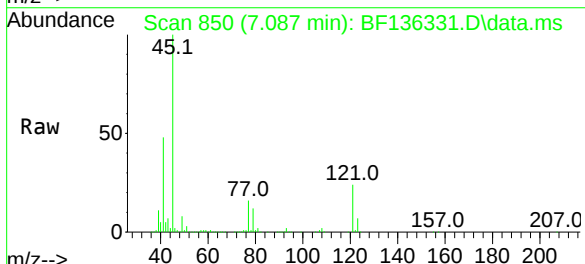
Instrument :
BNA_F
ClientSampleId :
PB157389BS

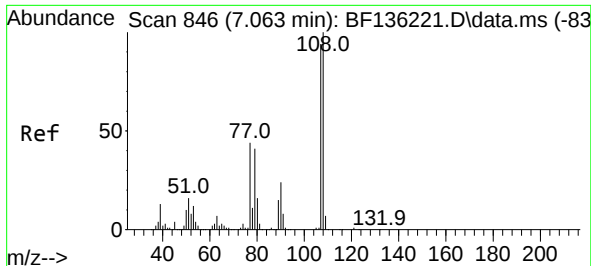
Tgt Ion: 79 Resp: 366038
Ion Ratio Lower Upper
79 100
108 78.5 58.1 87.1
77 62.4 51.8 77.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.431 ng
RT: 7.087 min Scan# 850
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

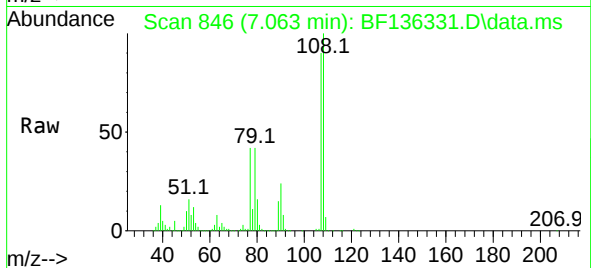
Tgt Ion: 45 Resp: 546564
Ion Ratio Lower Upper
45 100
77 15.6 0.0 34.0
79 11.7 0.0 30.1





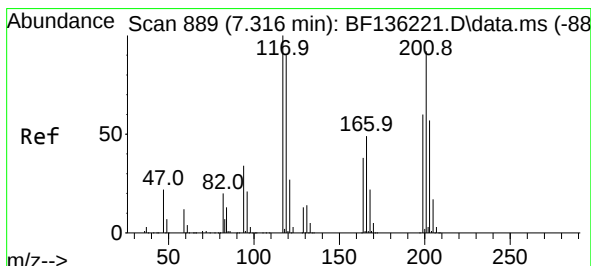
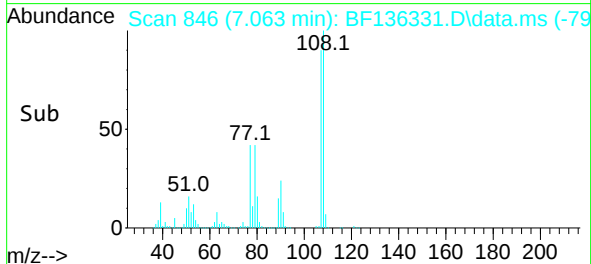
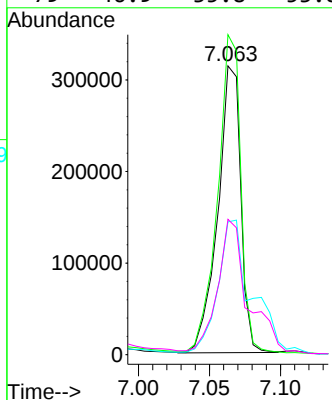
#17
2-Methylphenol
Concen: 40.523 ng
RT: 7.063 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Instrument :
BNA_F
ClientSampleId :
PB157389BS



Tgt Ion:107 Resp: 351766

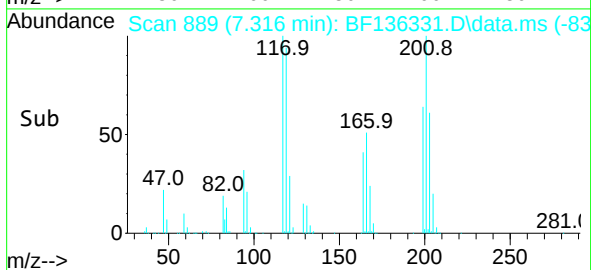
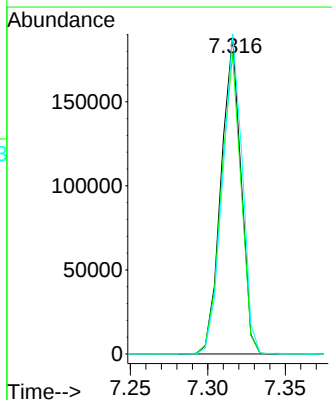
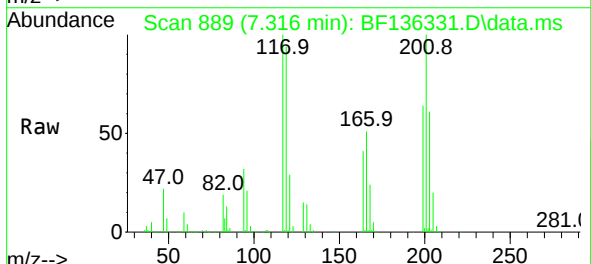
Ion	Ratio	Lower	Upper
107	100		
108	110.8	85.4	128.0
77	46.0	37.4	56.2
79	46.9	35.8	53.8



#18
Hexachloroethane
Concen: 37.568 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:117 Resp: 167858

Ion	Ratio	Lower	Upper
117	100		
119	94.2	71.6	107.4
201	100.4	73.4	110.2

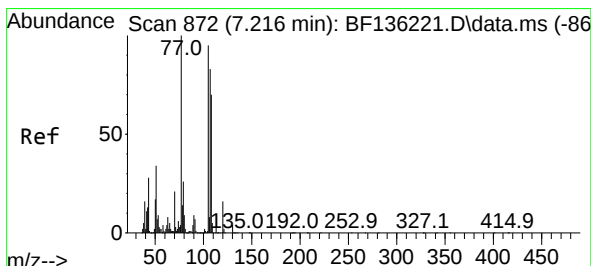
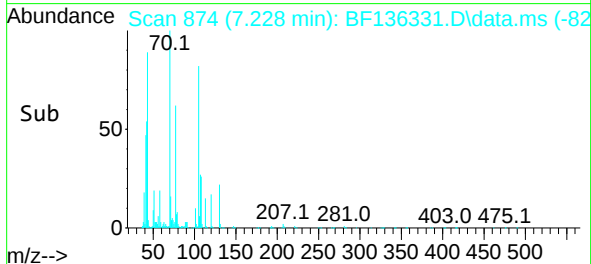
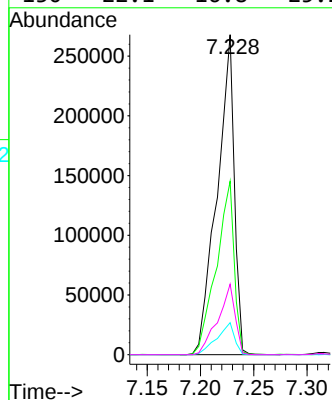
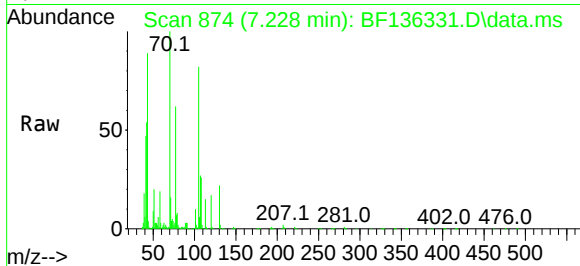




#19
n-Nitroso-di-n-propylamine
Concen: 39.718 ng
RT: 7.228 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

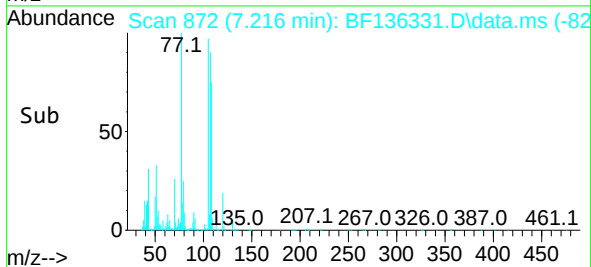
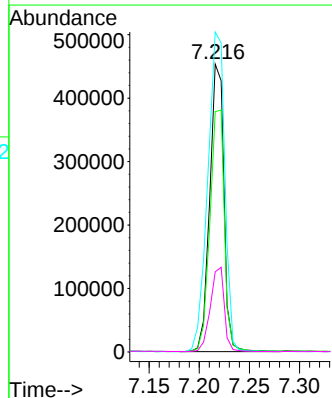
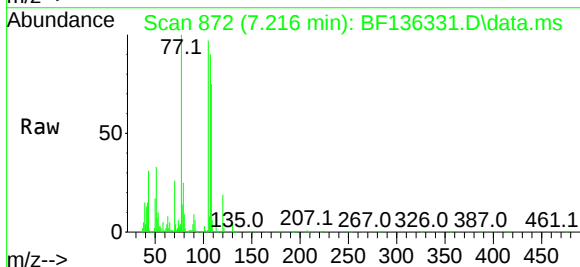
Instrument :
BNA_F
ClientSampleId :
PB157389BS

Tgt Ion:	70	Resp:	301195
Ion	Ratio	Lower	Upper
70	100		
42	54.2	47.0	70.4
101	10.0	7.8	11.8
130	22.1	16.8	25.2



#20
3+4-Methylphenols
Concen: 39.577 ng
RT: 7.216 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:	107	Resp:	446493
Ion	Ratio	Lower	Upper
107	100		
108	83.5	63.9	103.9
77	111.2	100.2	140.2
79	27.9	11.1	51.1



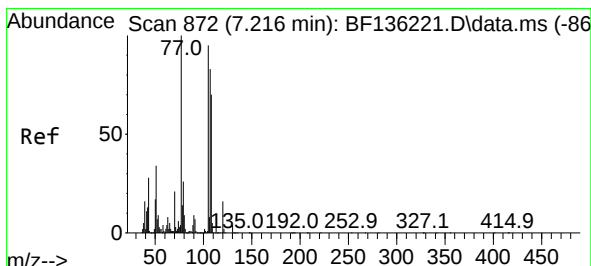
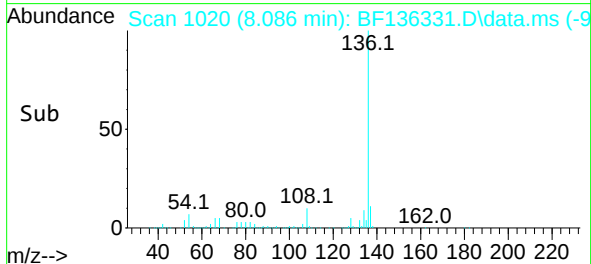
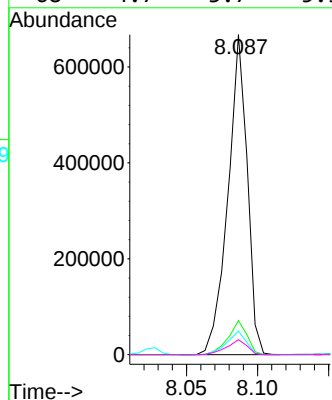
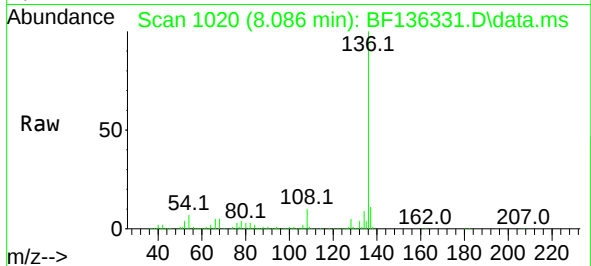


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Instrument :
BNA_F
ClientSampleId :
PB157389BS

Tgt Ion:136 Resp: 628744

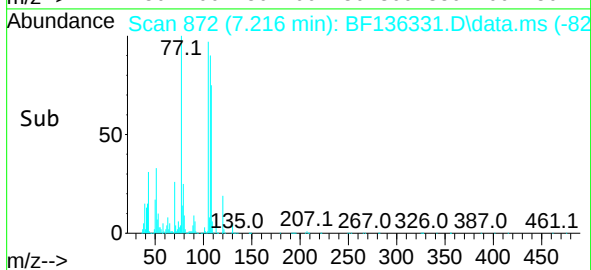
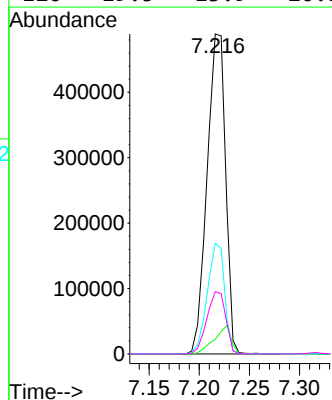
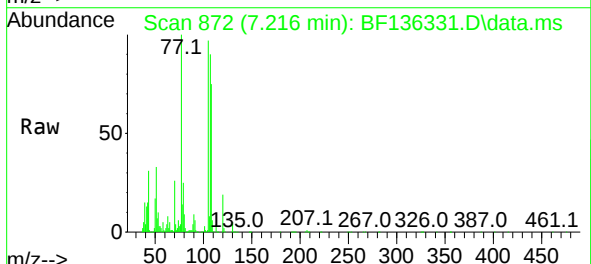
Ion	Ratio	Lower	Upper
136	100		
137	10.7	7.4	11.2
54	7.4	5.5	8.3
68	4.7	3.7	5.5

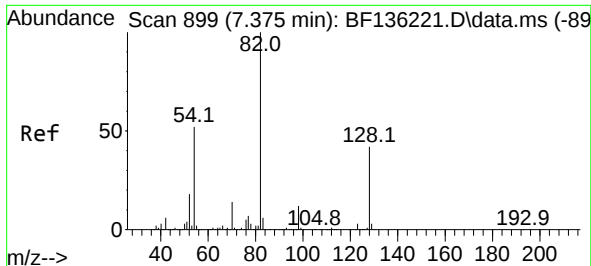


#22
Acetophenone
Concen: 38.208 ng
RT: 7.216 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:105 Resp: 630922

Ion	Ratio	Lower	Upper
105	100		
71	4.5	2.8	4.2#
51	34.5	29.0	43.6
120	19.5	13.9	20.9





#23

Nitrobenzene-d5

Concen: 73.382 ng

RT: 7.375 min Scan# 899

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

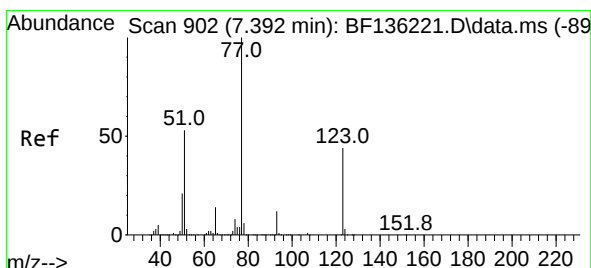
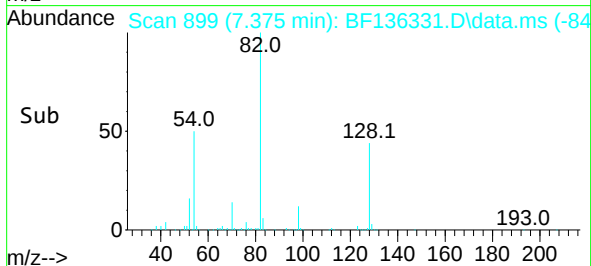
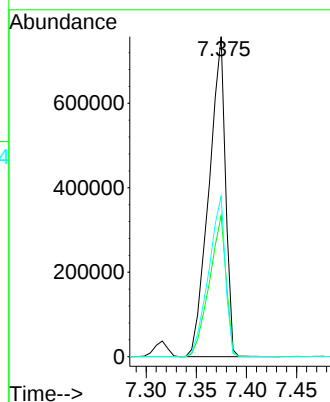
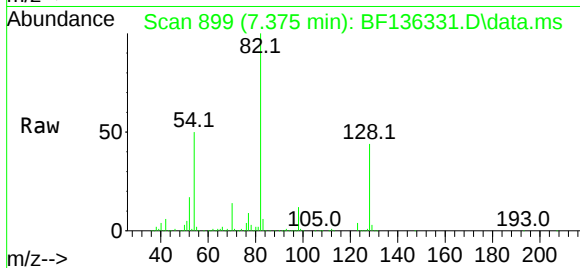
Tgt Ion: 82 Resp: 873121

Ion Ratio Lower Upper

82 100

128 44.1 33.4 50.2

54 50.2 41.7 62.5



#24

Nitrobenzene

Concen: 37.331 ng

RT: 7.392 min Scan# 902

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

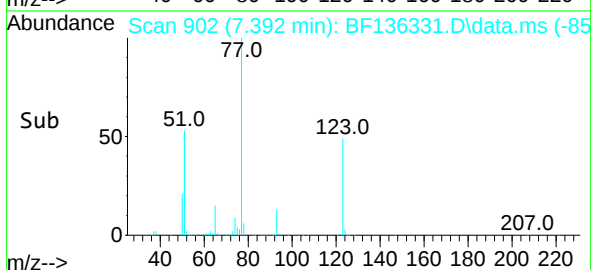
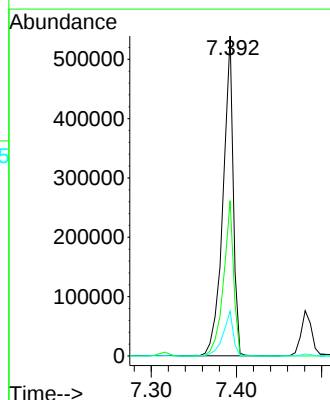
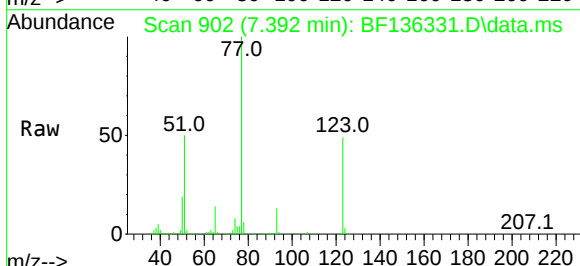
Tgt Ion: 77 Resp: 450116

Ion Ratio Lower Upper

77 100

123 48.5 35.4 53.2

65 14.0 11.0 16.6

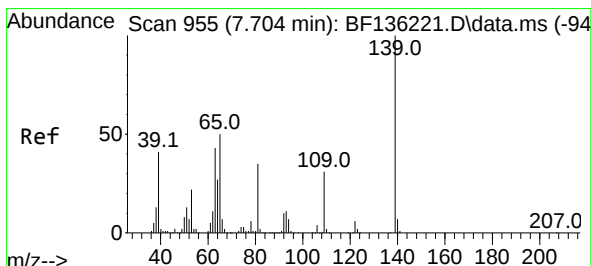
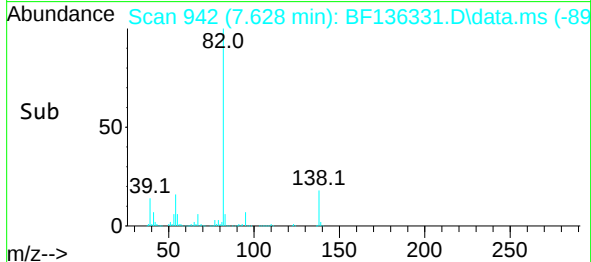
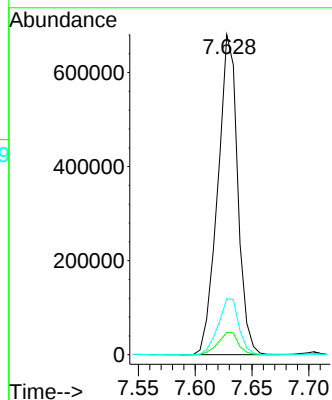
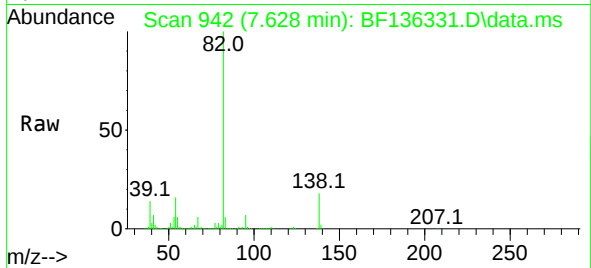




#25
Isophorone
Concen: 38.798 ng
RT: 7.628 min Scan# 942
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

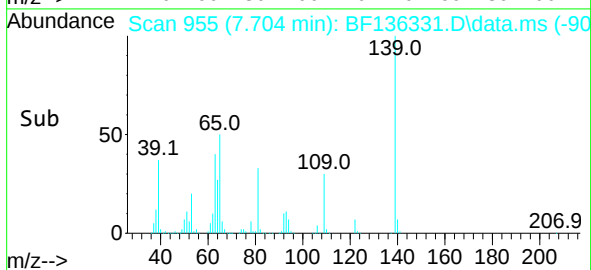
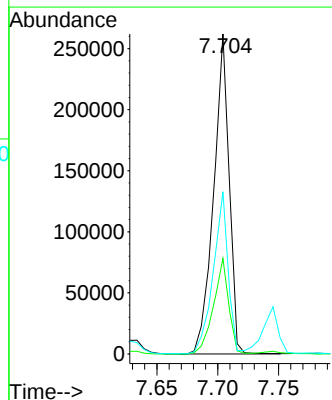
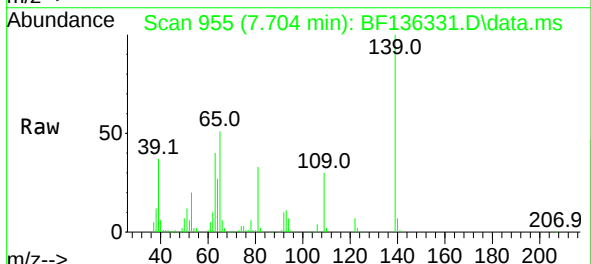
Instrument :
BNA_F
ClientSampleId :
PB157389BS

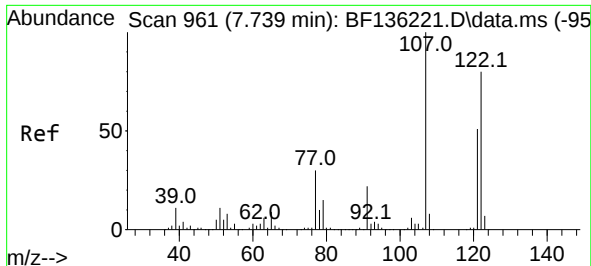
Tgt Ion: 82 Resp: 832388
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.5 12.8 19.2



#26
2-Nitrophenol
Concen: 45.265 ng
RT: 7.704 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion: 139 Resp: 232544
Ion Ratio Lower Upper
139 100
109 29.9 25.0 37.6
65 50.7 40.4 60.6

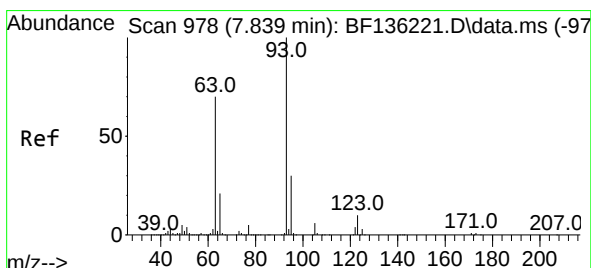
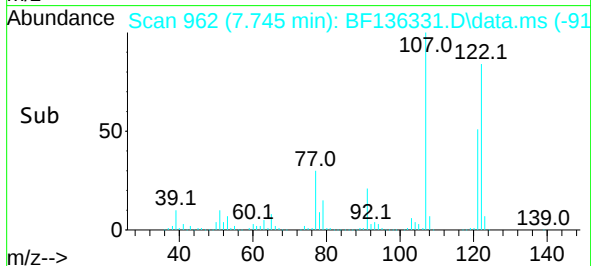
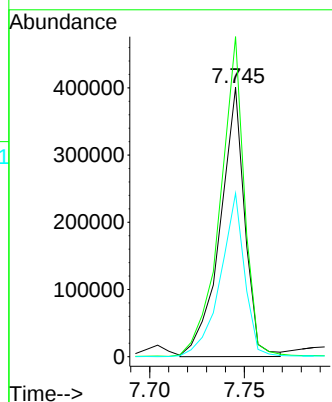
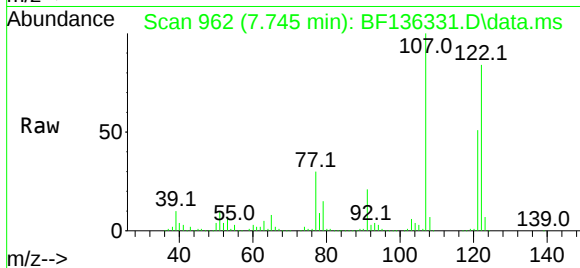




#27
2,4-Dimethylphenol
Concen: 53.574 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.006 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

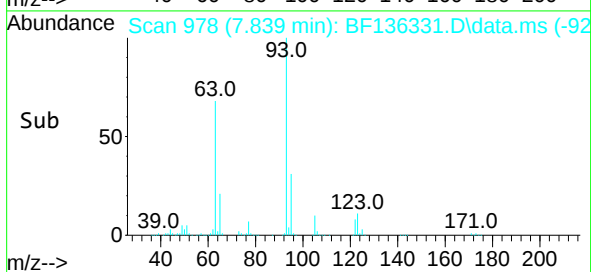
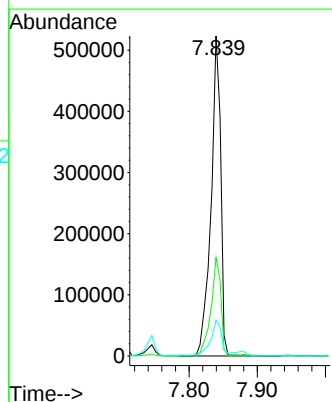
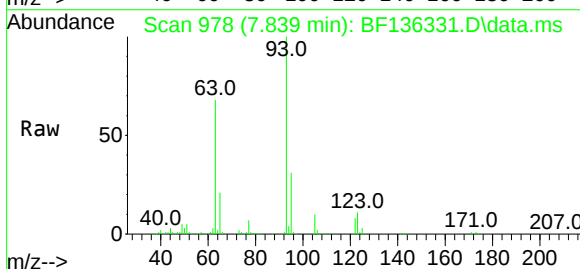
Instrument :
BNA_F
ClientSampleId :
PB157389BS

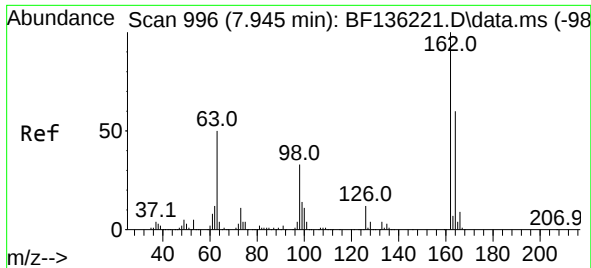
Tgt Ion:122 Resp: 362263
Ion Ratio Lower Upper
122 100
107 118.8 100.0 150.0
121 60.7 50.7 76.1



#28
bis(2-Chloroethoxy)methane
Concen: 40.046 ng
RT: 7.839 min Scan# 978
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion: 93 Resp: 519680
Ion Ratio Lower Upper
93 100
95 30.7 23.8 35.6
123 11.2 8.2 12.4





#29

2,4-Dichlorophenol

Concen: 41.272 ng

RT: 7.945 min Scan# 996

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

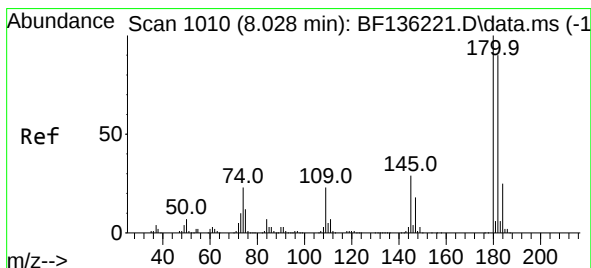
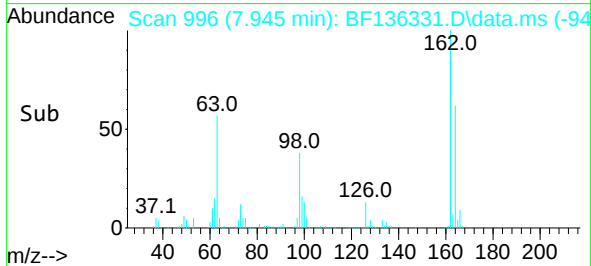
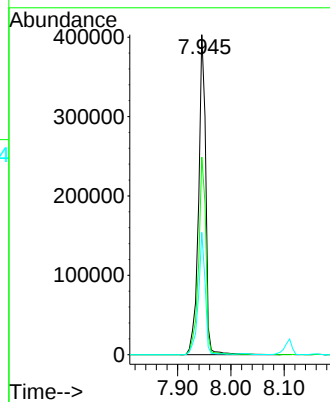
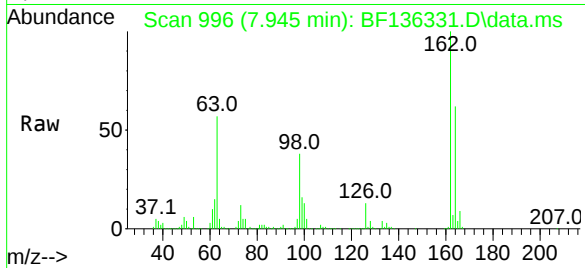
Tgt Ion:162 Resp: 376431

Ion Ratio Lower Upper

162 100

164 61.8 40.3 80.3

98 38.2 13.0 53.0



#30

1,2,4-Trichlorobenzene

Concen: 37.547 ng

RT: 8.028 min Scan# 1010

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

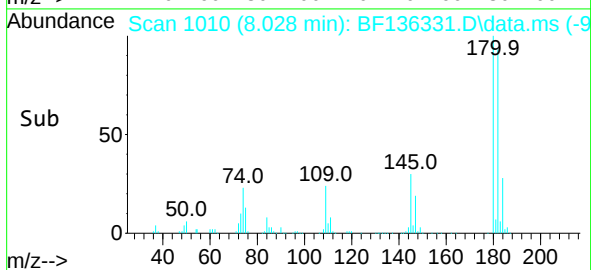
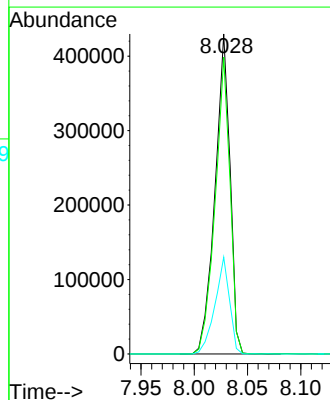
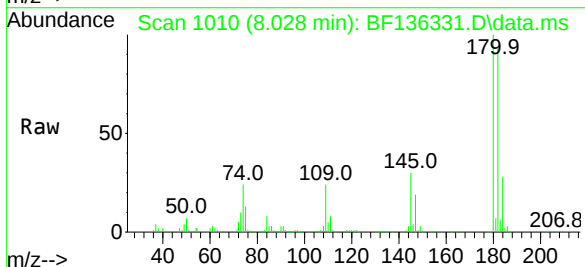
Tgt Ion:180 Resp: 419273

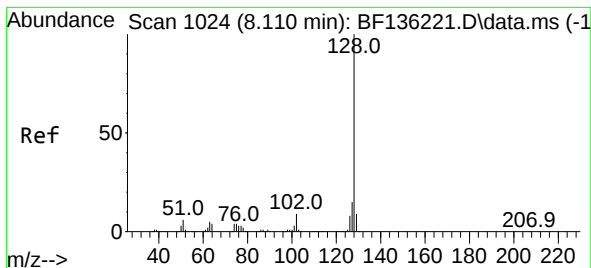
Ion Ratio Lower Upper

180 100

182 92.7 71.6 107.4

145 30.3 23.0 34.4

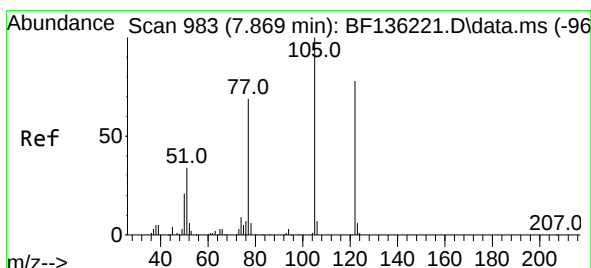
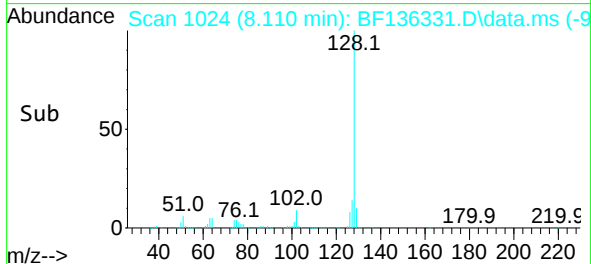
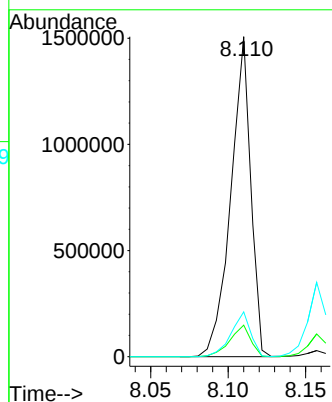
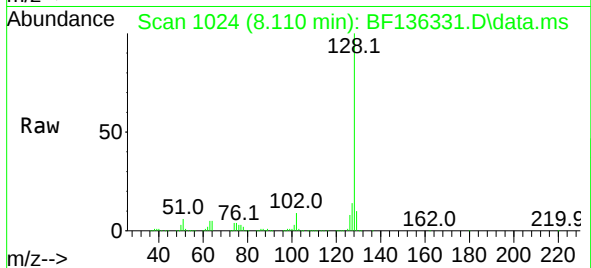




#31
Naphthalene
Concen: 38.151 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

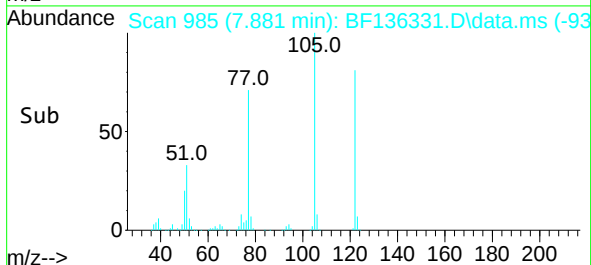
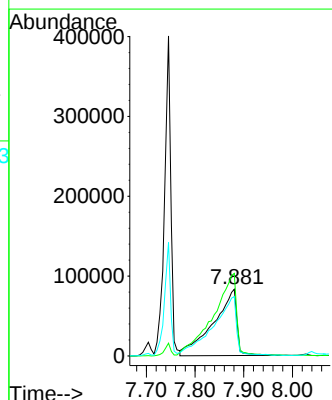
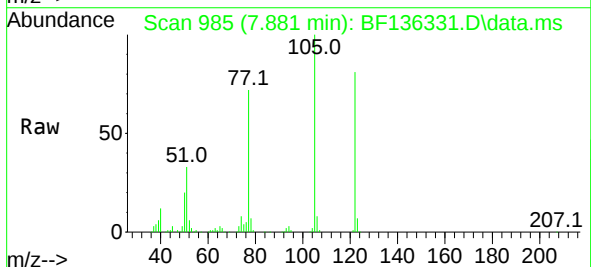
Instrument :
BNA_F
ClientSampleId :
PB157389BS

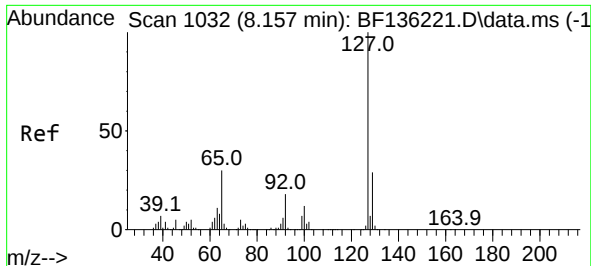
Tgt Ion:128 Resp: 1348276
Ion Ratio Lower Upper
128 100
129 9.9 7.3 10.9
127 14.0 11.8 17.6



#32
Benzoic acid
Concen: 45.132 ng
RT: 7.881 min Scan# 985
Delta R.T. 0.012 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:122 Resp: 278135
Ion Ratio Lower Upper
122 100
105 123.6 103.7 143.7
77 88.9 66.8 106.8

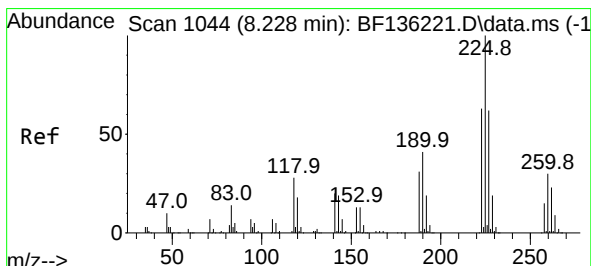
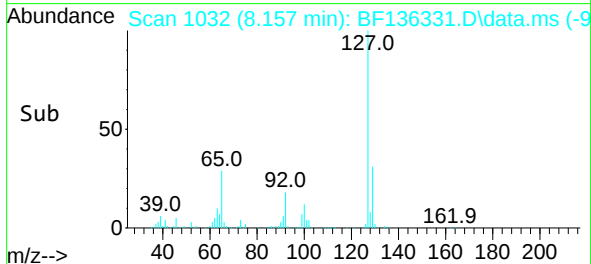
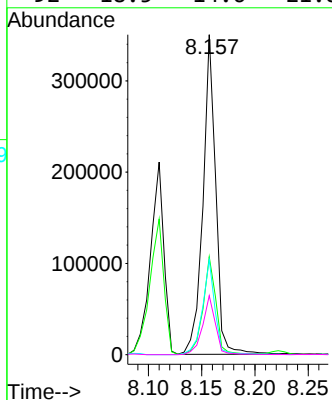
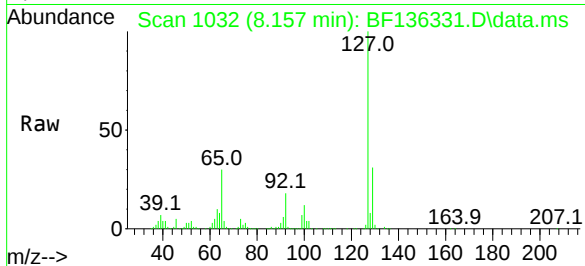




#33
4-Chloroaniline
Concen: 24.403 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

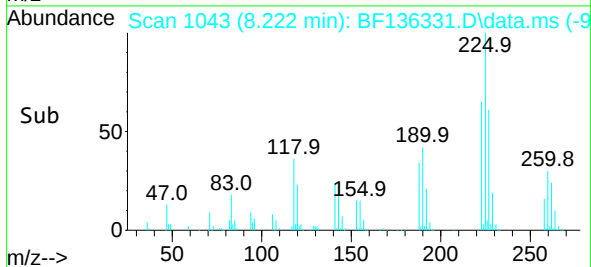
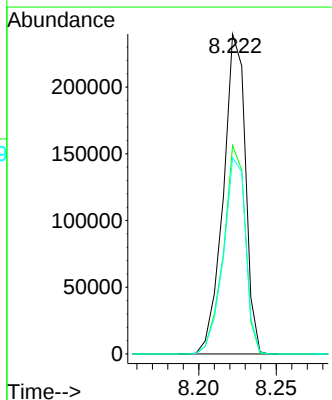
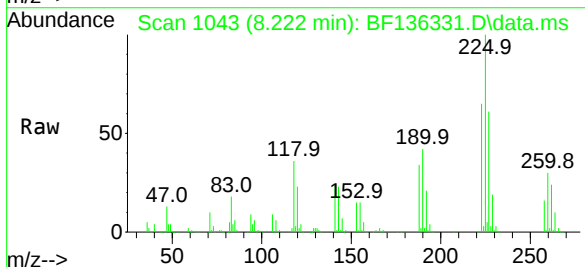
Instrument :
BNA_F
ClientSampleId :
PB157389BS

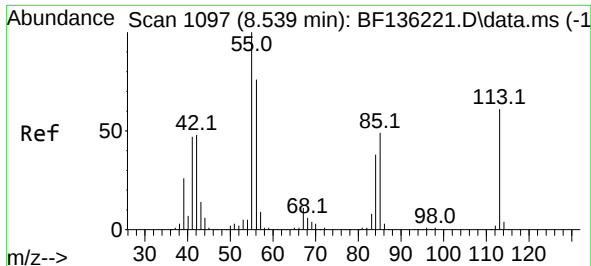
Tgt Ion:	127	Resp:	293144
Ion	Ratio	Lower	Upper
127	100		
129	30.6	23.4	35.2
65	29.7	23.8	35.6
92	18.5	14.6	21.8



#34
Hexachlorobutadiene
Concen: 36.384 ng
RT: 8.222 min Scan# 1043
Delta R.T. -0.006 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:	225	Resp:	237691
Ion	Ratio	Lower	Upper
225	100		
223	65.2	50.6	75.8
227	61.3	49.6	74.4

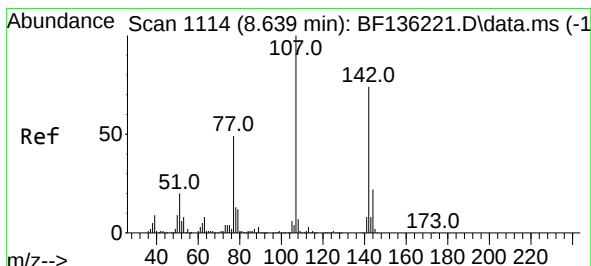
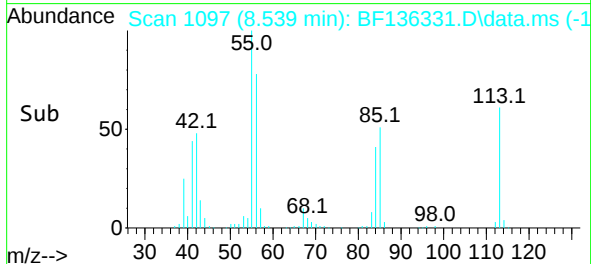
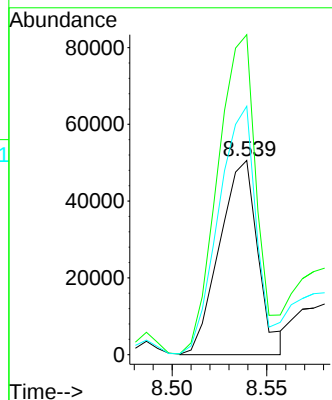
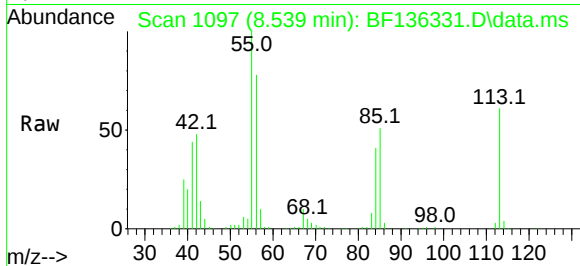




#35
 Caprolactam
 Concen: 27.979 ng
 RT: 8.539 min Scan# 1113
 Delta R.T. 0.000 min
 Lab File: BF136331.D
 Acq: 01 Dec 2023 11:36

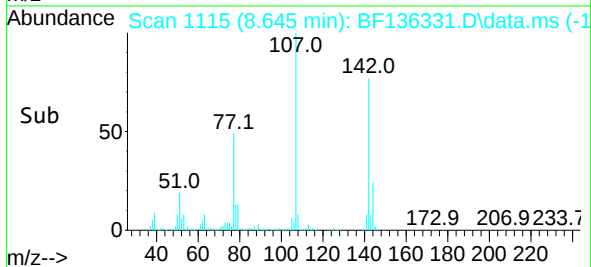
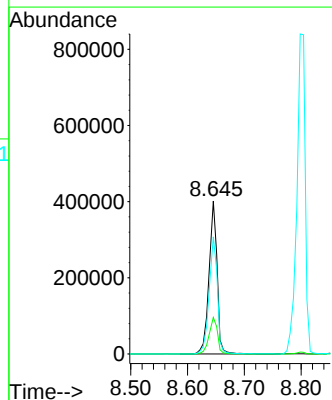
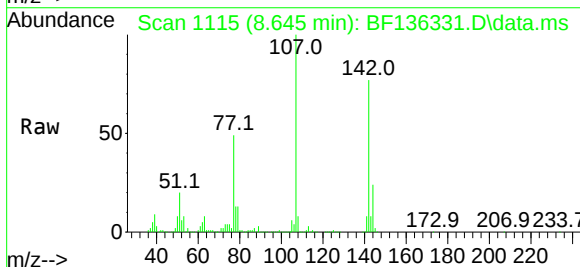
Instrument :
 BNA_F
 ClientSampleId :
 PB157389BS

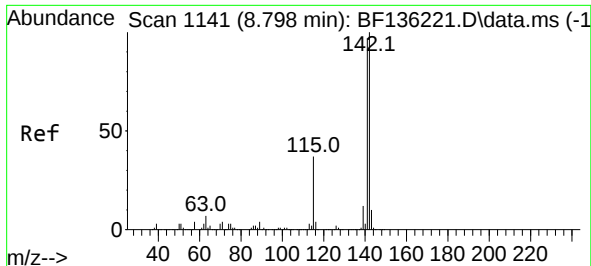
Tgt Ion:113 Resp: 71337
 Ion Ratio Lower Upper
 113 100
 55 164.8 143.1 183.1
 56 127.9 103.6 143.6



#36
 4-Chloro-3-methylphenol
 Concen: 40.098 ng
 RT: 8.645 min Scan# 1115
 Delta R.T. 0.006 min
 Lab File: BF136331.D
 Acq: 01 Dec 2023 11:36

Tgt Ion:107 Resp: 396644
 Ion Ratio Lower Upper
 107 100
 144 23.8 17.8 26.8
 142 76.5 59.4 89.0





#37

2-Methylnaphthalene

Concen: 38.677 ng

RT: 8.798 min Scan# 1141

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

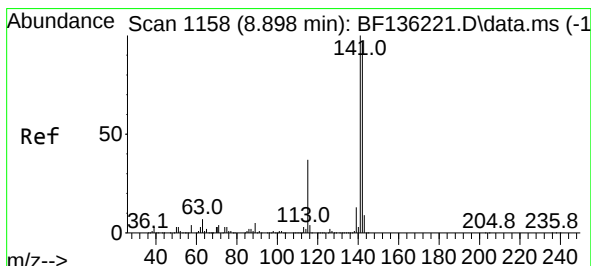
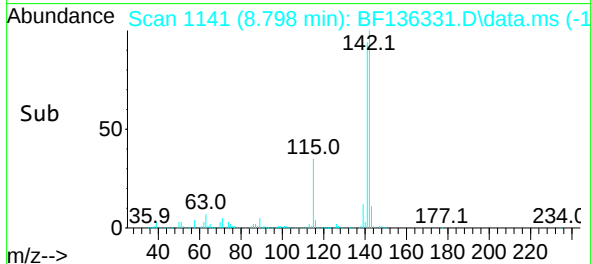
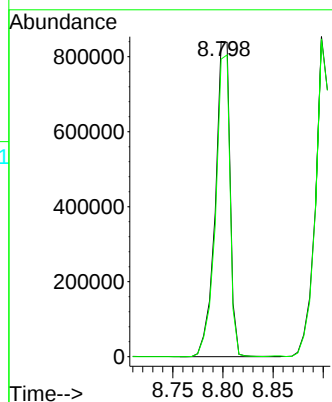
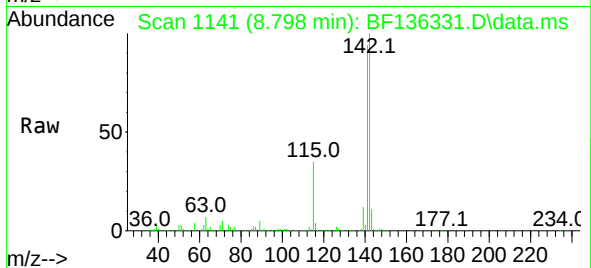
PB157389BS

Tgt Ion:142 Resp: 857419

Ion Ratio Lower Upper

142 100

141 94.4 77.8 116.8



#38

1-Methylnaphthalene

Concen: 37.309 ng

RT: 8.898 min Scan# 1158

Delta R.T. 0.000 min

Lab File: BF136331.D

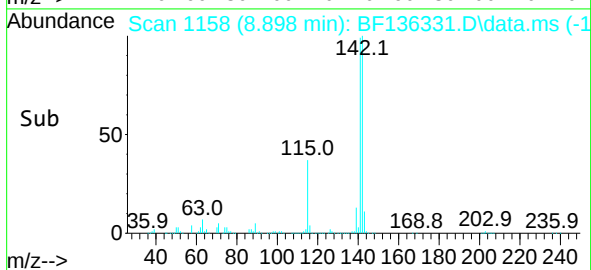
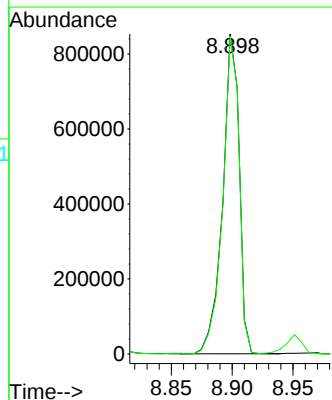
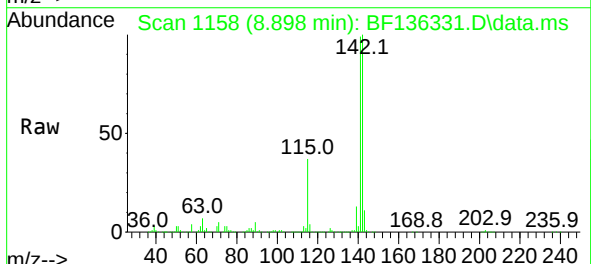
Acq: 01 Dec 2023 11:36

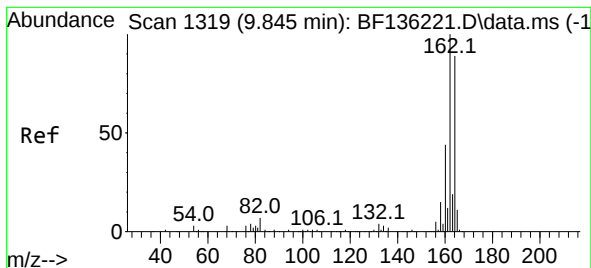
Tgt Ion:142 Resp: 806840

Ion Ratio Lower Upper

142 100

141 99.3 83.8 125.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

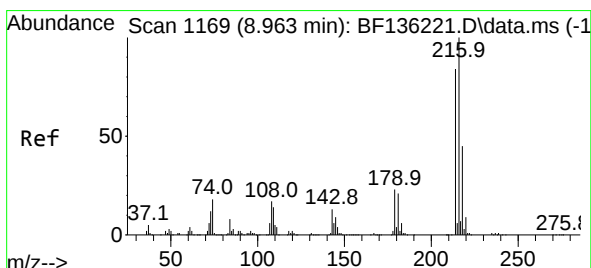
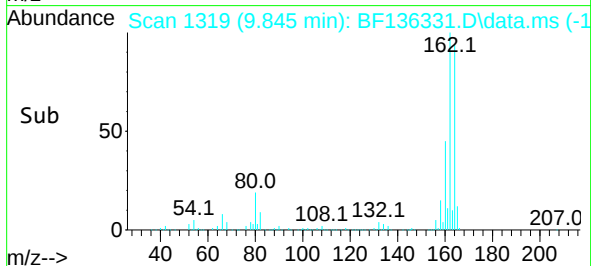
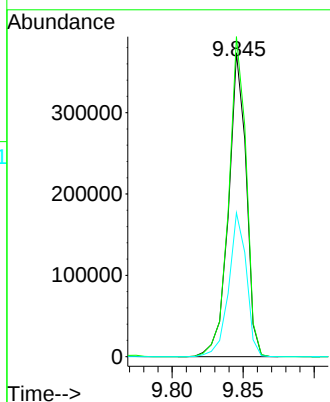
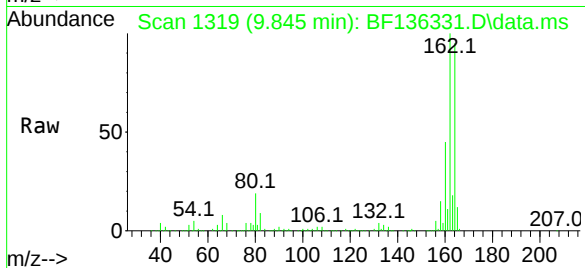
Tgt Ion:164 Resp: 323918

Ion Ratio Lower Upper

164 100

162 105.3 89.5 134.3

160 47.3 39.6 59.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.344 ng

RT: 8.969 min Scan# 1170

Delta R.T. 0.006 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Tgt Ion:216 Resp: 405590

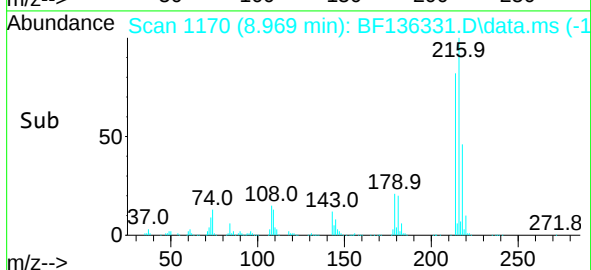
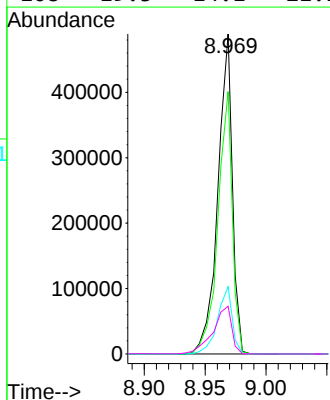
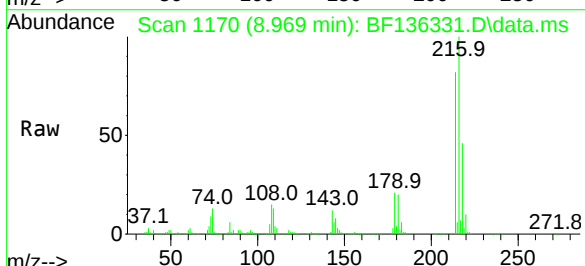
Ion Ratio Lower Upper

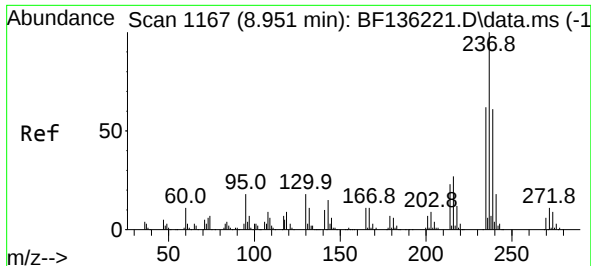
216 100

214 81.6 65.8 98.8

179 21.3 17.4 26.0

108 19.3 14.1 21.1

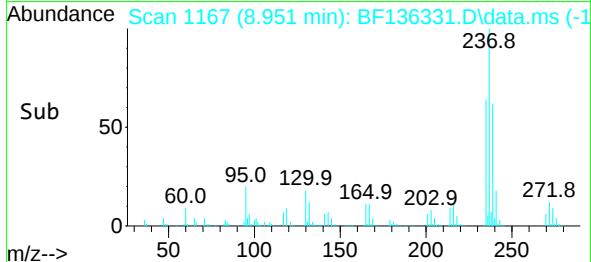
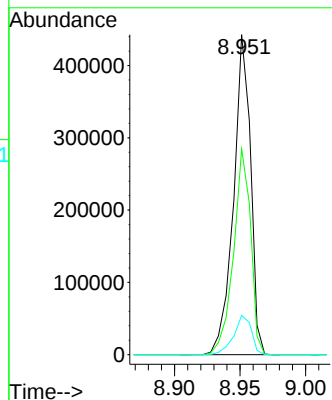
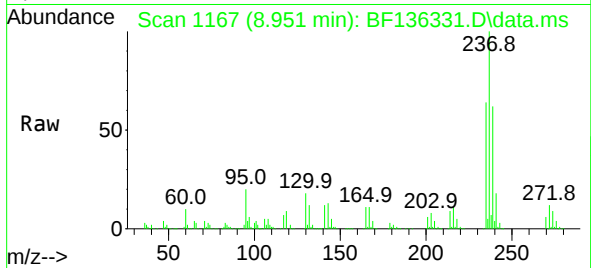




#41
Hexachlorocyclopentadiene
Concen: 100.971 ng
RT: 8.951 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

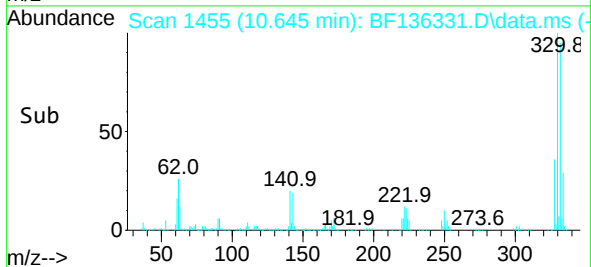
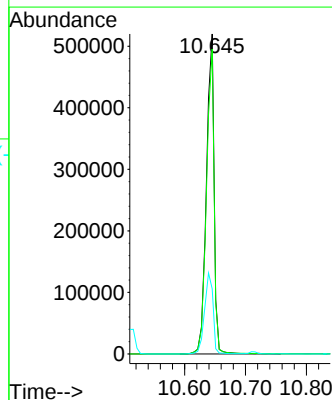
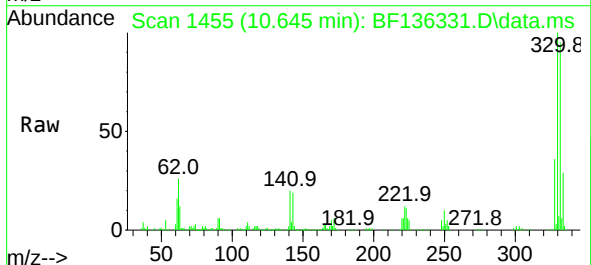
Instrument :
BNA_F
ClientSampleId :
PB157389BS

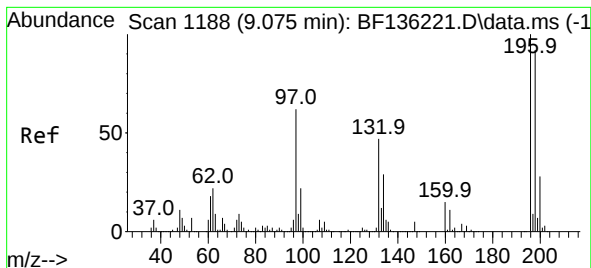
Tgt Ion:237 Resp: 400515
Ion Ratio Lower Upper
237 100
235 64.3 42.1 82.1
272 12.2 0.0 31.0



#42
2,4,6-Tribromophenol
Concen: 115.153 ng
RT: 10.645 min Scan# 1455
Delta R.T. 0.006 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:330 Resp: 456027
Ion Ratio Lower Upper
330 100
332 94.7 73.0 109.6
141 27.9 24.2 36.2





#43

2,4,6-Trichlorophenol

Concen: 40.473 ng

RT: 9.081 min Scan# 1188

Delta R.T. 0.006 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

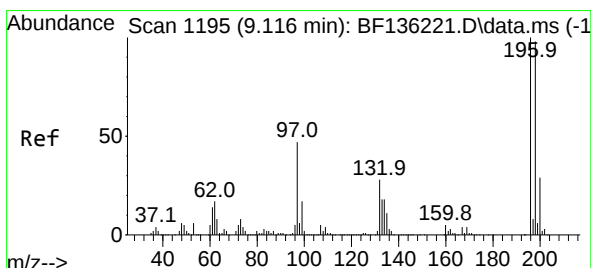
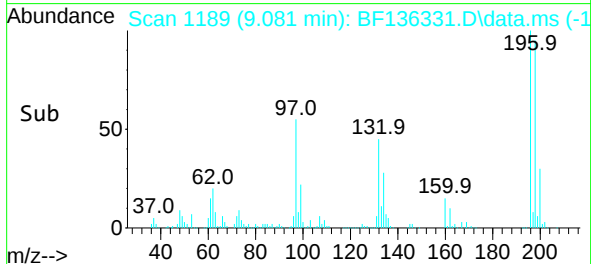
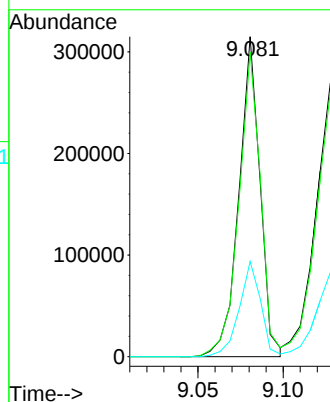
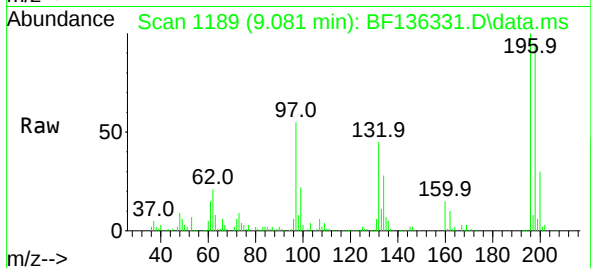
Tgt Ion:196 Resp: 270808

Ion Ratio Lower Upper

196 100

198 95.2 73.2 109.8

200 29.7 22.4 33.6



#44

2,4,5-Trichlorophenol

Concen: 39.506 ng

RT: 9.128 min Scan# 1197

Delta R.T. 0.012 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Tgt Ion:196 Resp: 288468

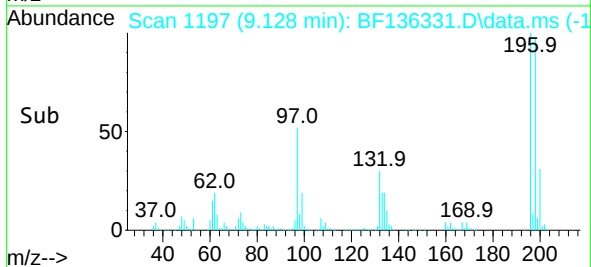
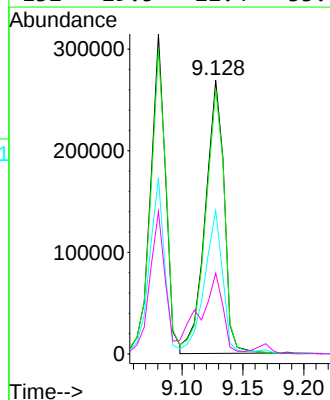
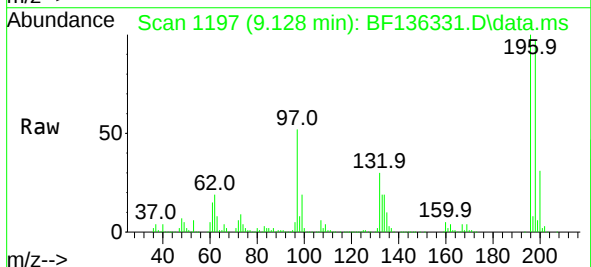
Ion Ratio Lower Upper

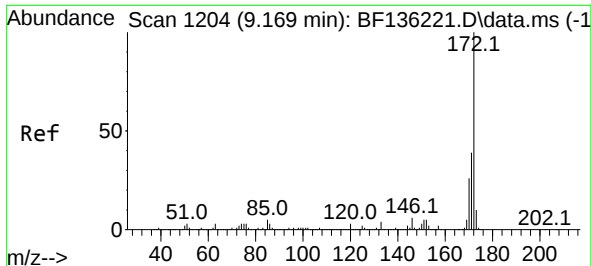
196 100

198 96.6 78.8 118.2

97 52.4 37.8 56.8

132 29.5 22.4 33.6





#45

2-Fluorobiphenyl

Concen: 71.987 ng

RT: 9.169 min Scan# 1204

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

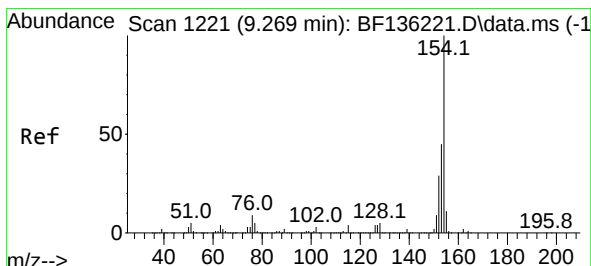
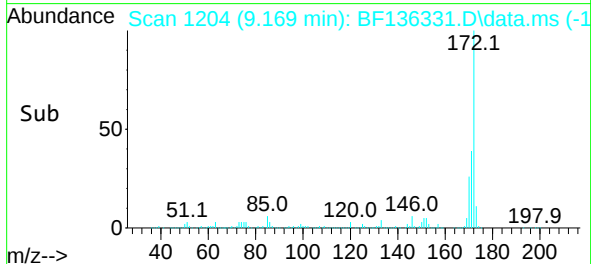
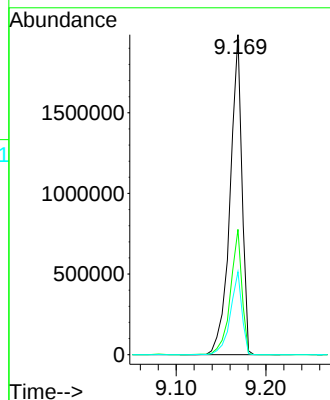
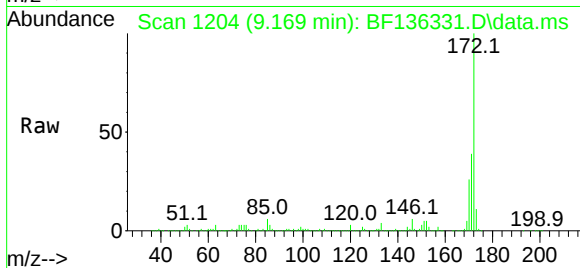
Tgt Ion:172 Resp: 1825558

Ion Ratio Lower Upper

172 100

171 39.2 31.5 47.3

170 25.9 20.8 31.2



#46

1,1'-Biphenyl

Concen: 38.979 ng

RT: 9.269 min Scan# 1221

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

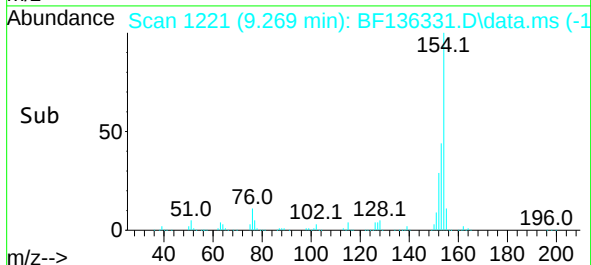
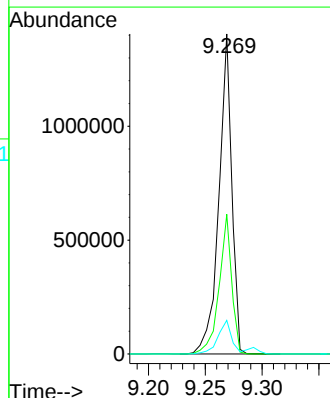
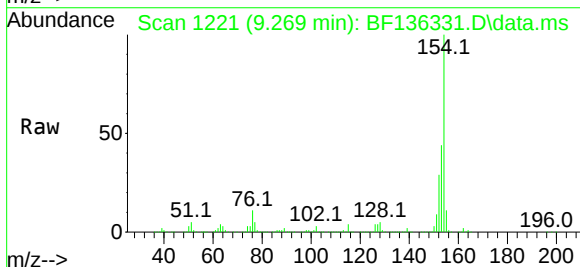
Tgt Ion:154 Resp: 1113427

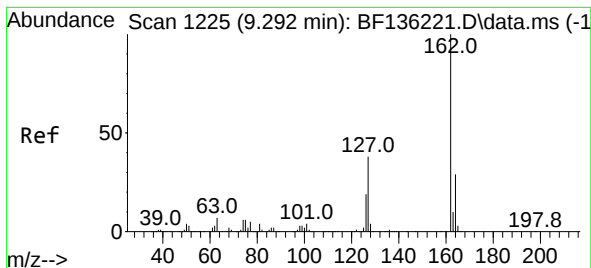
Ion Ratio Lower Upper

154 100

153 43.6 24.6 64.6

76 10.5 0.0 29.4





#47

2-Chloronaphthalene

Concen: 38.008 ng

RT: 9.292 min Scan# 1225

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

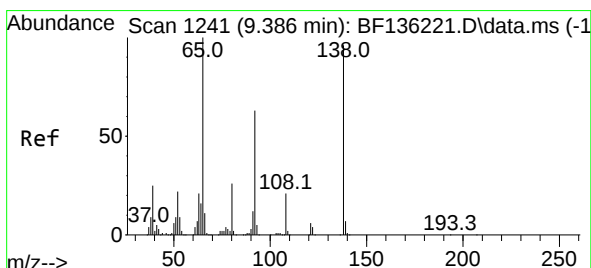
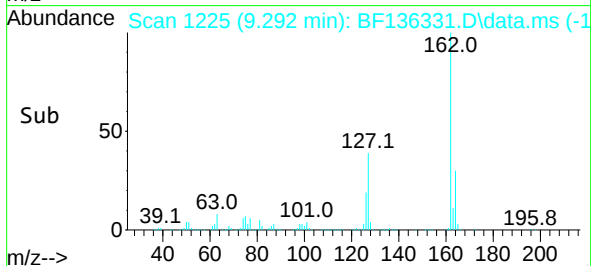
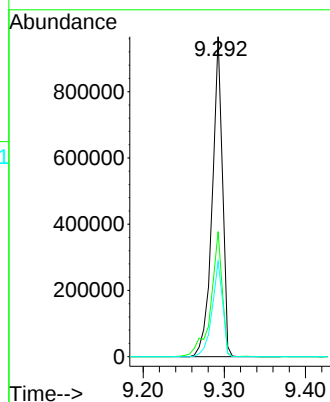
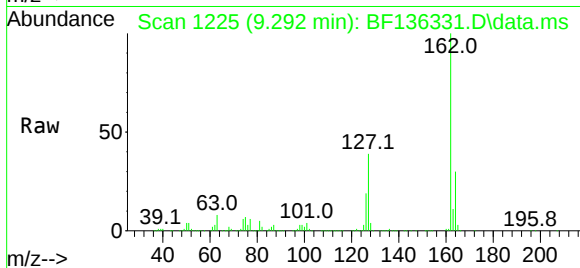
Tgt Ion:162 Resp: 843124

Ion Ratio Lower Upper

162 100

127 39.1 30.2 45.2

164 29.7 22.8 34.2



#48

2-Nitroaniline

Concen: 41.010 ng

RT: 9.392 min Scan# 1242

Delta R.T. 0.006 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

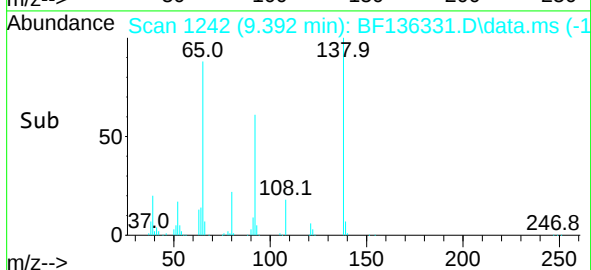
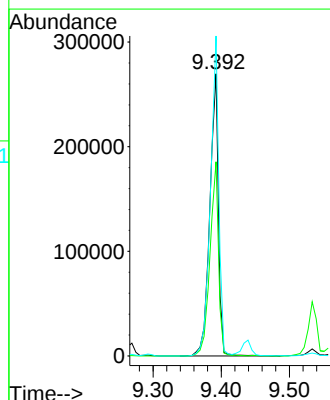
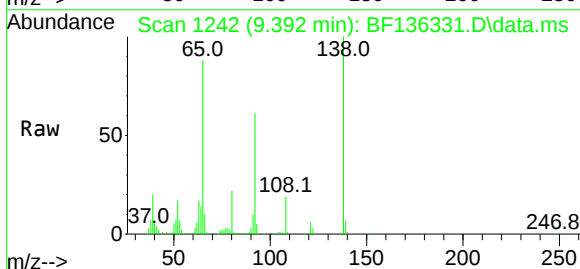
Tgt Ion: 65 Resp: 237511

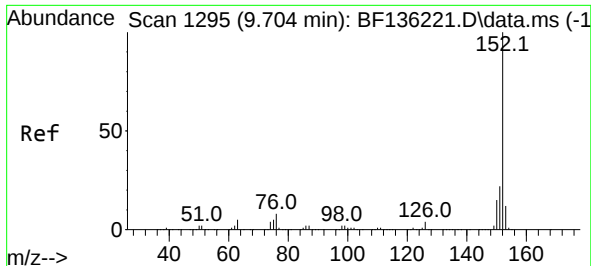
Ion Ratio Lower Upper

65 100

92 68.8 50.6 75.8

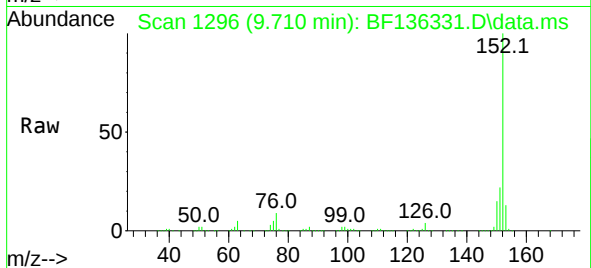
138 113.4 76.7 115.1



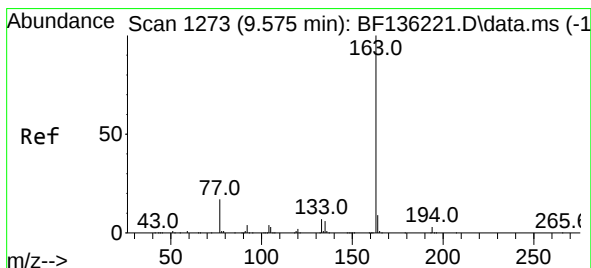
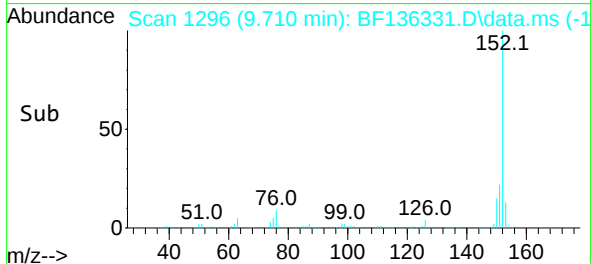
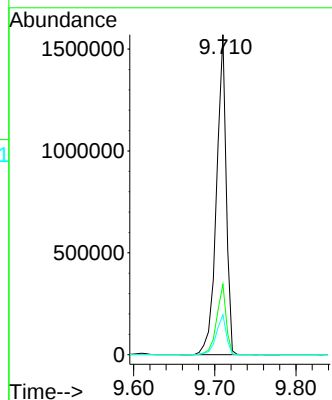


#49
Acenaphthylene
Concen: 41.106 ng
RT: 9.710 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Instrument :
BNA_F
ClientSampleId :
PB157389BS

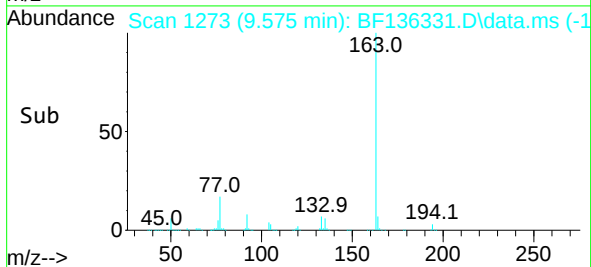
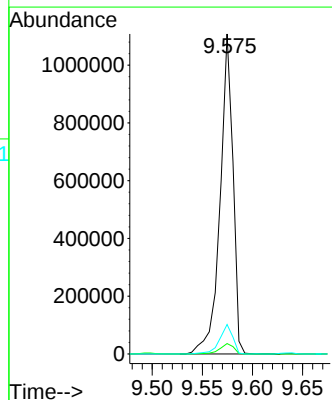
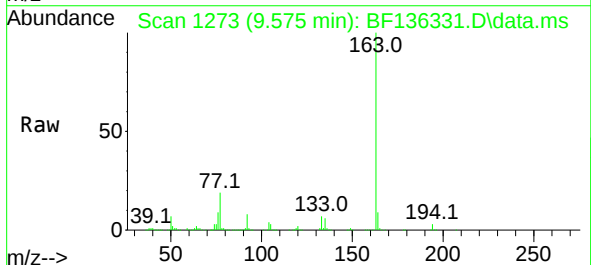


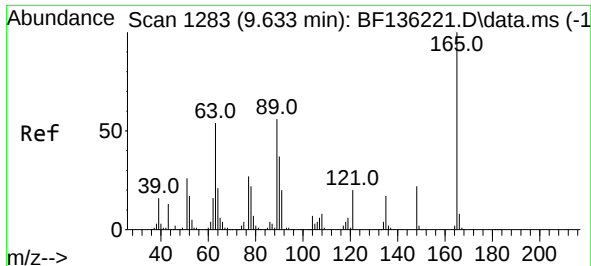
Tgt Ion:152 Resp: 1301278
Ion Ratio Lower Upper
152 100
151 22.0 17.5 26.3
153 12.5 9.6 14.4



#50
Dimethylphthalate
Concen: 40.279 ng
RT: 9.575 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:163 Resp: 986134
Ion Ratio Lower Upper
163 100
194 3.3 2.5 3.7
164 9.2 7.0 10.6

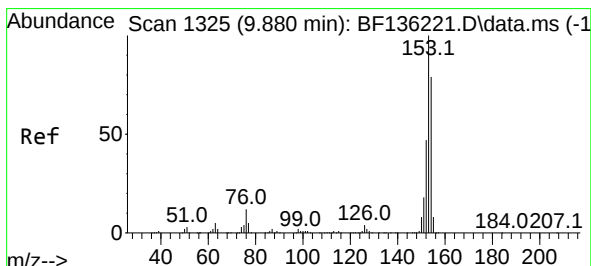
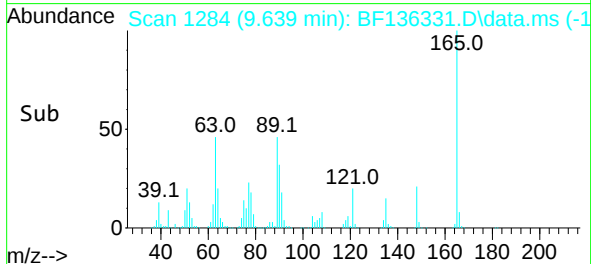
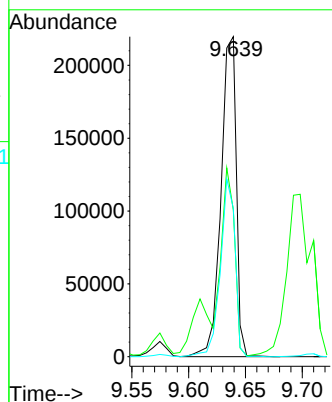
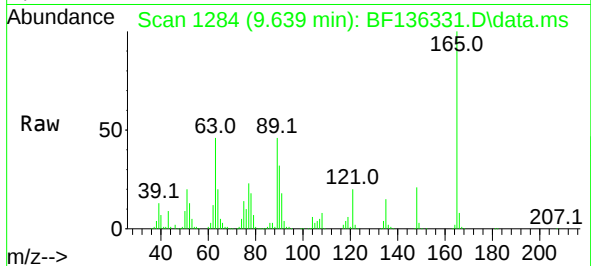




#51
2,6-Dinitrotoluene
Concen: 41.333 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

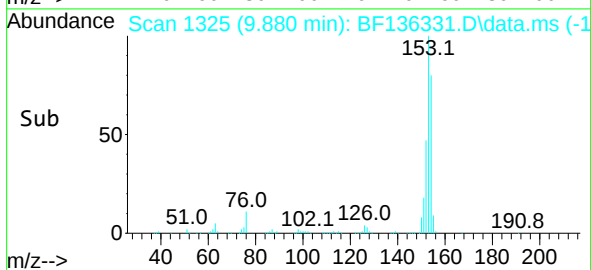
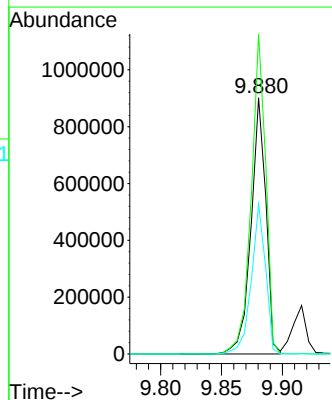
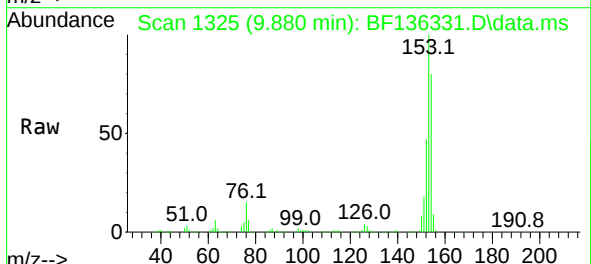
Instrument :
BNA_F
ClientSampleId :
PB157389BS

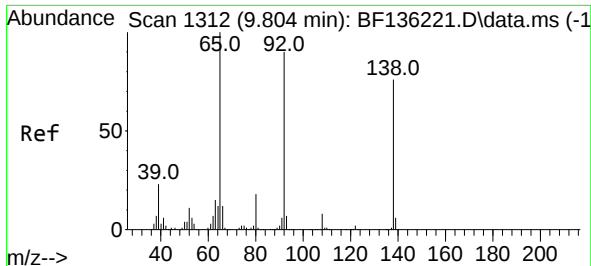
Tgt Ion:165 Resp: 206730
Ion Ratio Lower Upper
165 100
63 45.8 46.2 69.2#
89 46.3 44.9 67.3



#52
Acenaphthene
Concen: 38.444 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:154 Resp: 769084
Ion Ratio Lower Upper
154 100
153 124.9 100.8 151.2
152 58.5 47.0 70.6

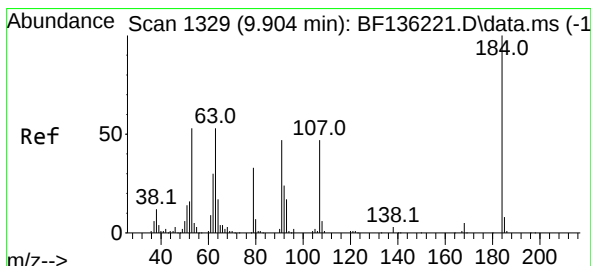
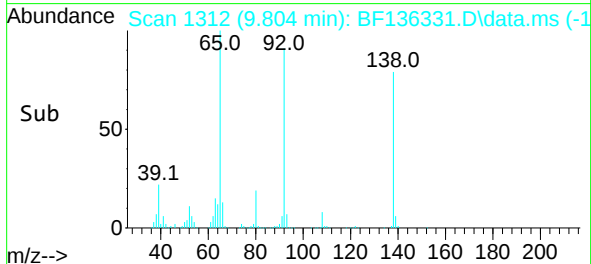
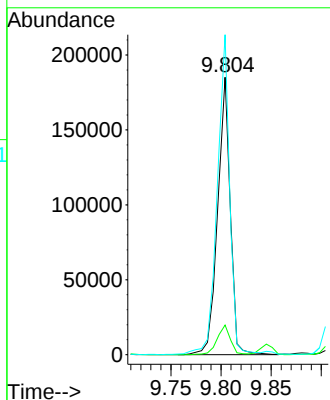
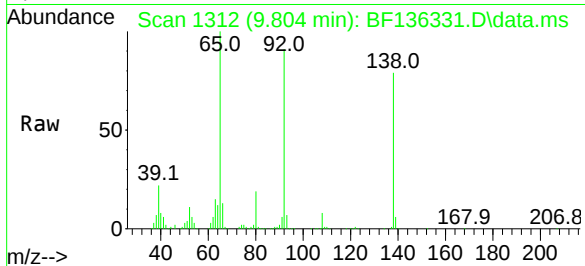




#53
3-Nitroaniline
Concen: 32.570 ng
RT: 9.804 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

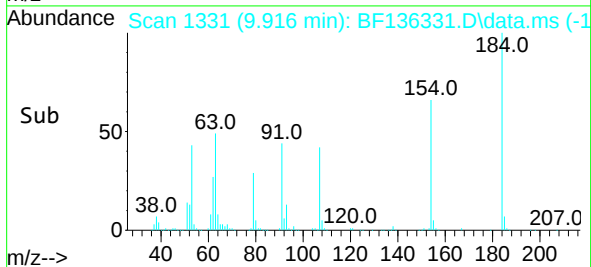
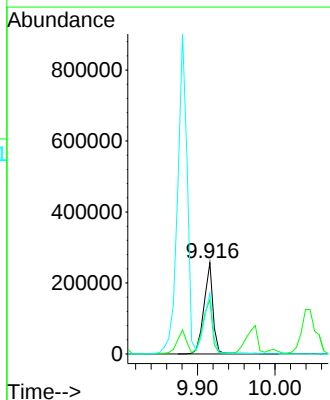
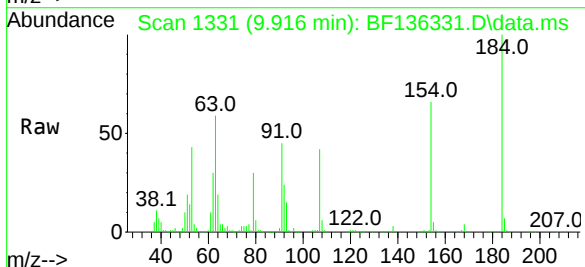
Instrument :
BNA_F
ClientSampleId :
PB157389BS

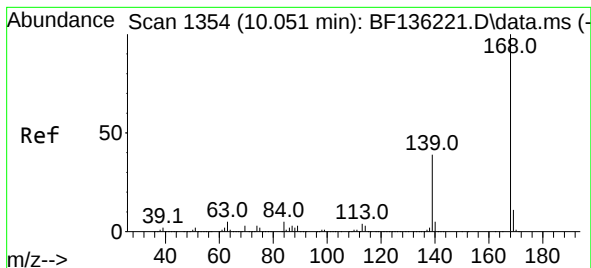
Tgt Ion:138 Resp: 161635
Ion Ratio Lower Upper
138 100
108 10.7 8.7 13.1
92 115.3 94.2 141.4



#54
2,4-Dinitrophenol
Concen: 90.954 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.012 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:184 Resp: 211573
Ion Ratio Lower Upper
184 100
63 59.1 55.0 82.4
154 66.2 54.9 82.3





#55

Dibenzenofuran

Concen: 38.941 ng

RT: 10.057 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

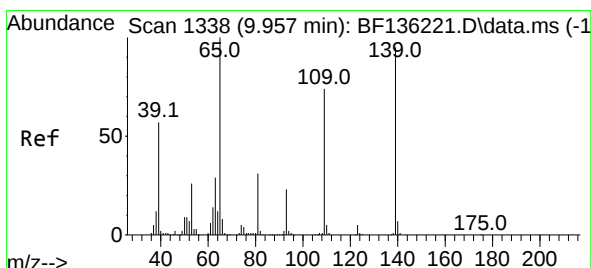
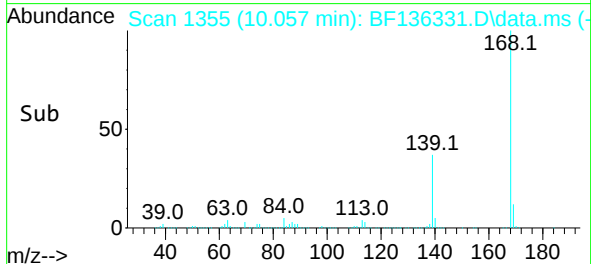
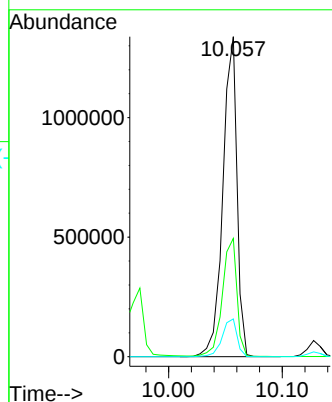
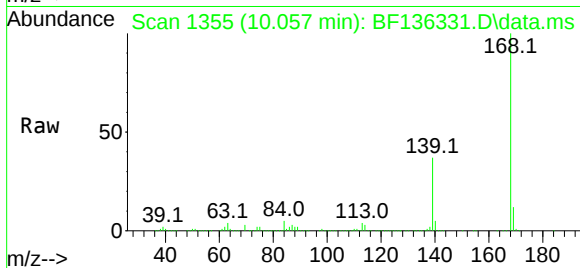
Tgt Ion:168 Resp: 1159230

Ion Ratio Lower Upper

168 100

139 37.0 30.9 46.3

169 11.8 9.1 13.7



#56

4-Nitrophenol

Concen: 76.978 ng

RT: 9.975 min Scan# 1341

Delta R.T. 0.018 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

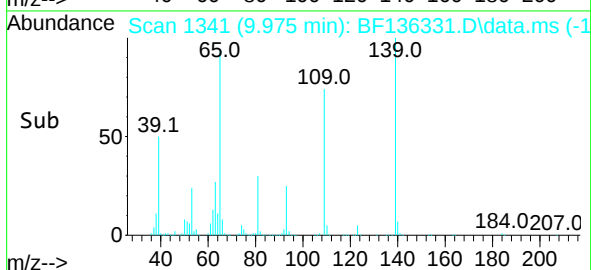
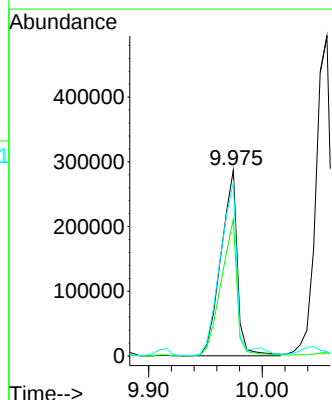
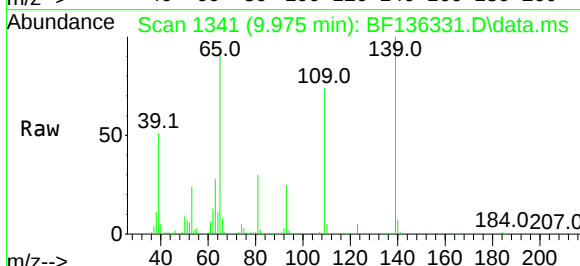
Tgt Ion:139 Resp: 290144

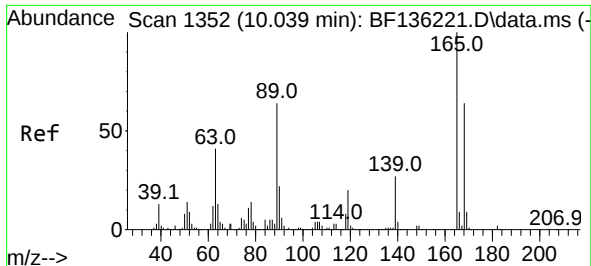
Ion Ratio Lower Upper

139 100

109 73.6 57.8 97.8

65 93.2 86.0 126.0

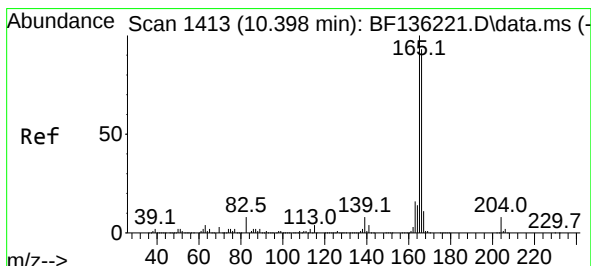
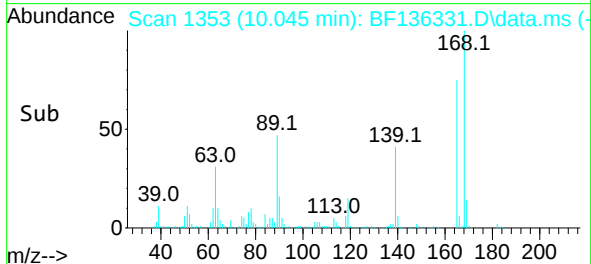
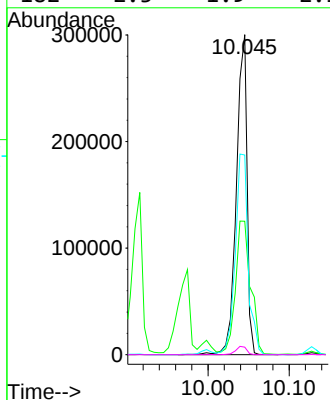
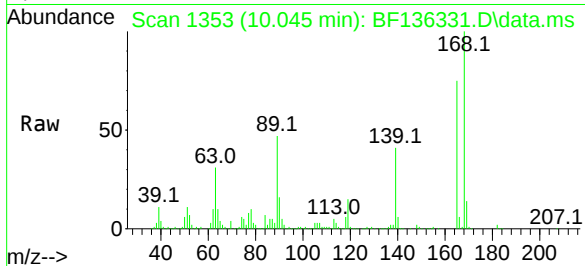




#57
2,4-Dinitrotoluene
Concen: 40.820 ng
RT: 10.045 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

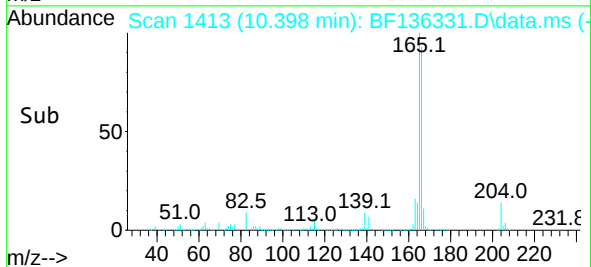
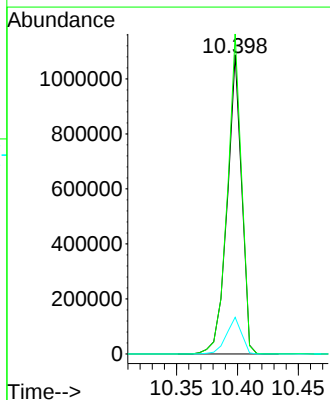
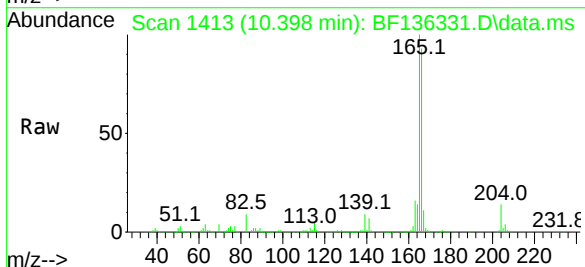
Instrument :
BNA_F
ClientSampleId :
PB157389BS

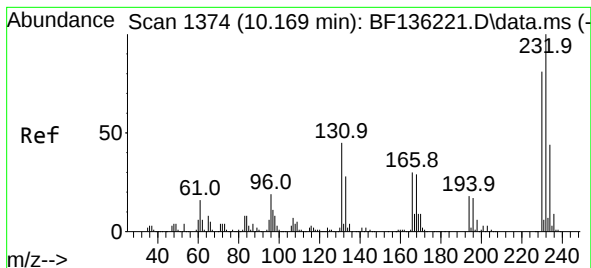
Tgt Ion:165 Resp: 272719
Ion Ratio Lower Upper
165 100
63 41.7 33.0 49.4
89 62.4 51.5 77.3
182 2.3 1.9 2.9



#58
Fluorene
Concen: 38.500 ng
RT: 10.398 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:166 Resp: 898970
Ion Ratio Lower Upper
166 100
165 107.0 86.2 129.4
167 12.2 9.1 13.7

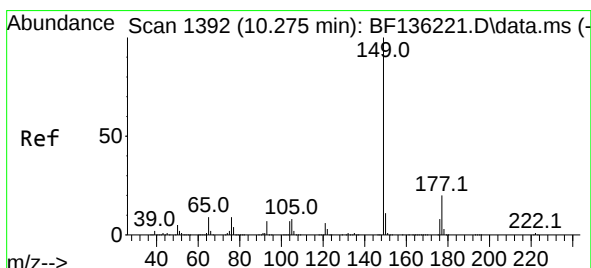
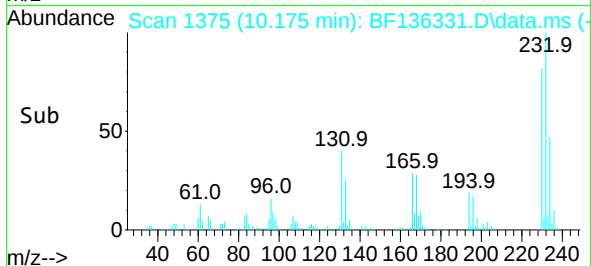
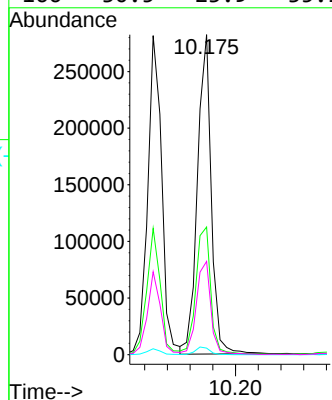
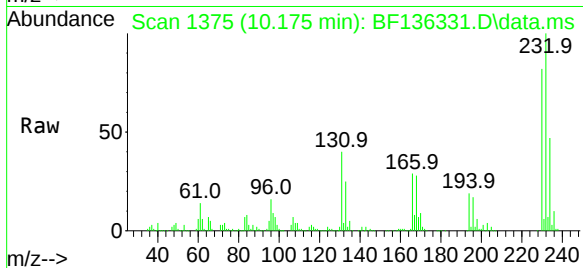




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.119 ng
RT: 10.175 min Scan# 1375
Delta R.T. 0.006 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

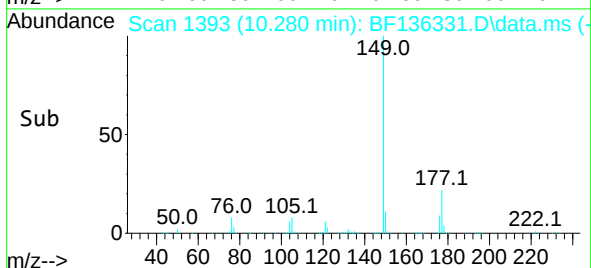
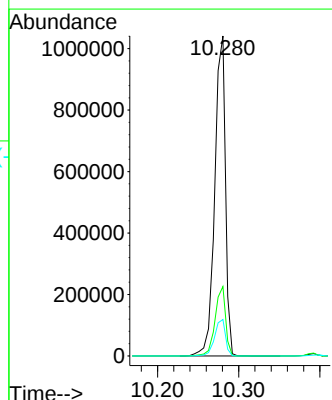
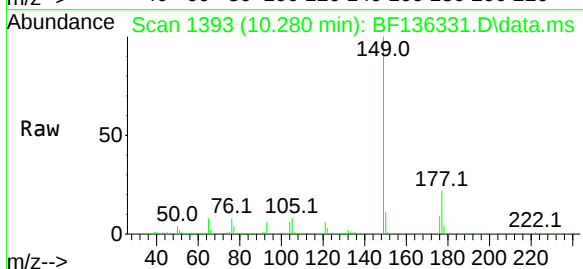
Instrument :
BNA_F
ClientSampleId :
PB157389BS

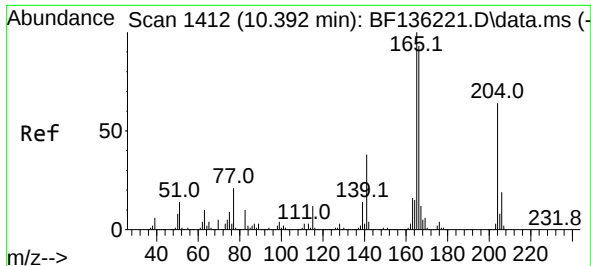
Tgt Ion:232 Resp: 238895
Ion Ratio Lower Upper
232 100
131 43.1 36.4 54.6
130 2.5 1.9 2.9
166 30.5 23.9 35.9



#60
Diethylphthalate
Concen: 38.753 ng
RT: 10.280 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:149 Resp: 949064
Ion Ratio Lower Upper
149 100
177 21.7 15.8 23.6
150 11.4 8.8 13.2

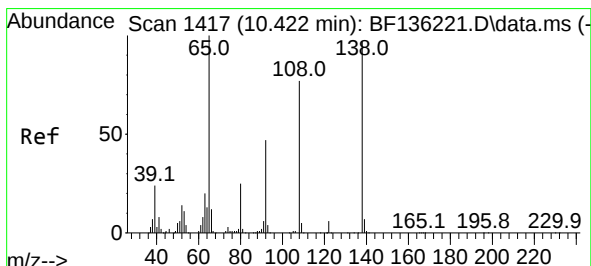
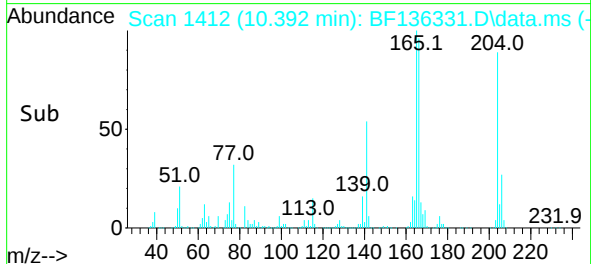
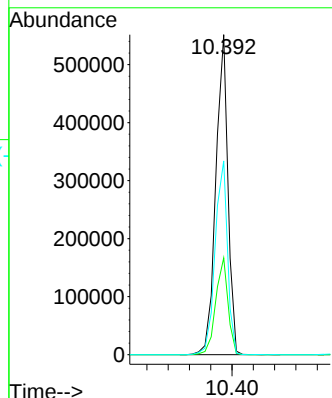
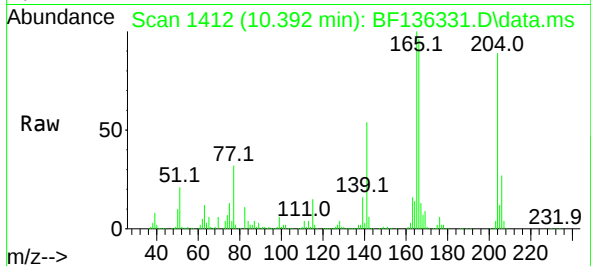




#61
4-Chlorophenyl-phenylether
Concen: 38.263 ng
RT: 10.392 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

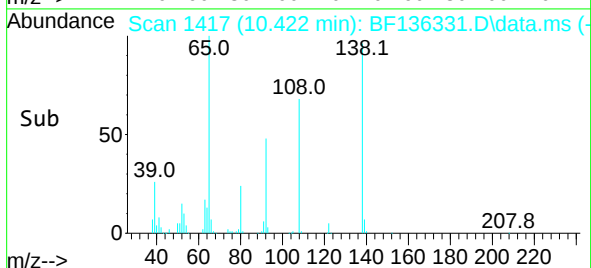
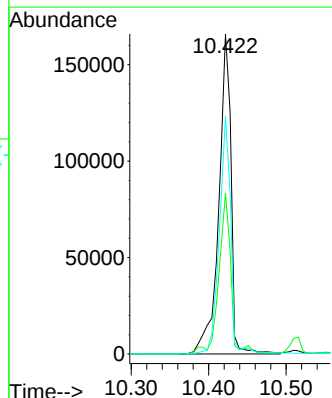
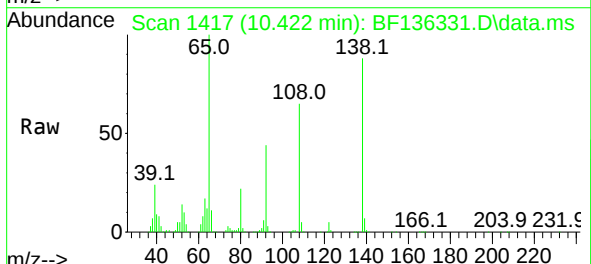
Instrument :
BNA_F
ClientSampleId :
PB157389BS

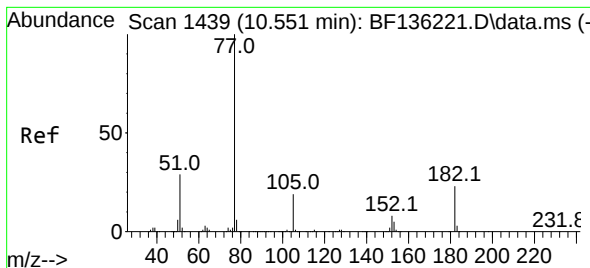
Tgt Ion:204 Resp: 433887
Ion Ratio Lower Upper
204 100
206 30.3 23.4 35.0
141 60.6 47.6 71.4



#62
4-Nitroaniline
Concen: 37.454 ng
RT: 10.422 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:138 Resp: 181941
Ion Ratio Lower Upper
138 100
92 50.3 28.5 68.5
108 74.2 59.8 99.8





#63

Azobenzene

Concen: 37.744 ng

RT: 10.551 min Scan# 1439

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

Tgt Ion: 77 Resp: 856950

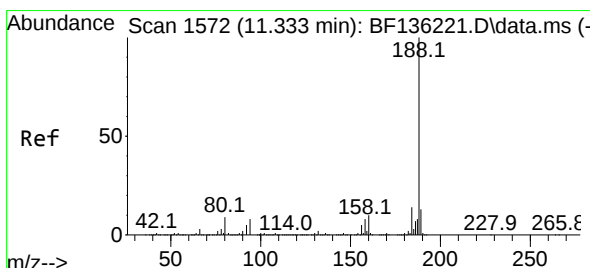
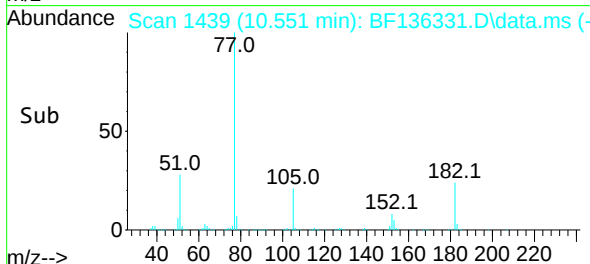
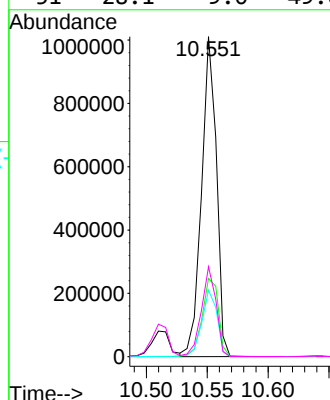
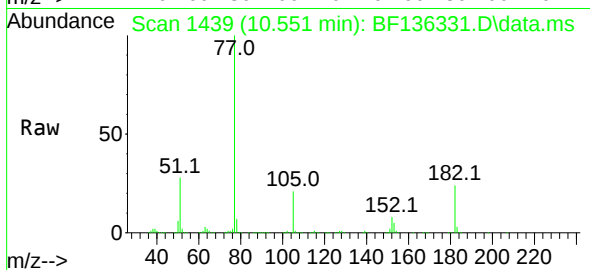
Ion Ratio Lower Upper

77 100

182 24.4 3.3 43.3

105 20.8 0.0 39.5

51 28.1 9.0 49.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1573

Delta R.T. 0.006 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

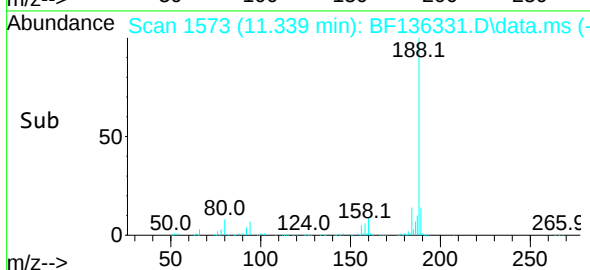
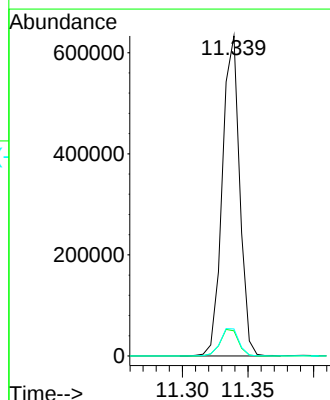
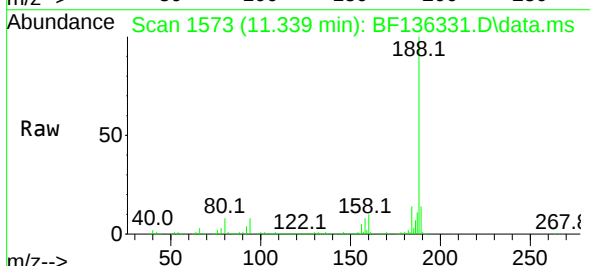
Tgt Ion: 188 Resp: 581043

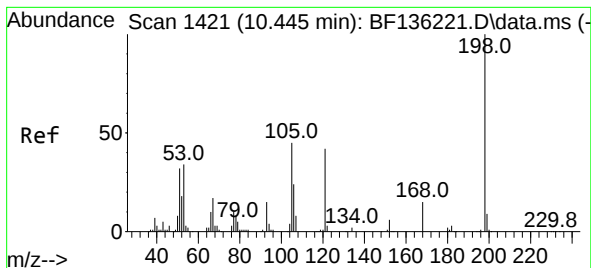
Ion Ratio Lower Upper

188 100

94 7.9 6.7 10.1

80 8.5 7.2 10.8

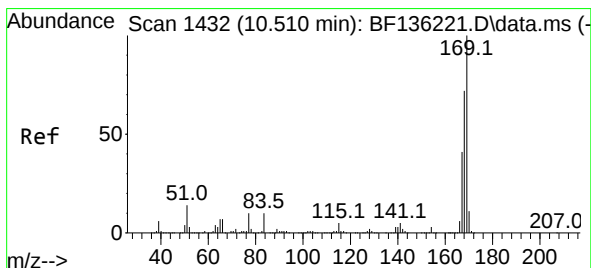
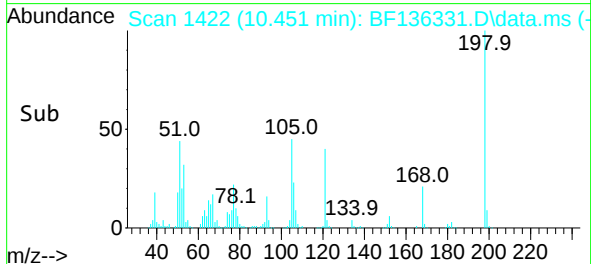
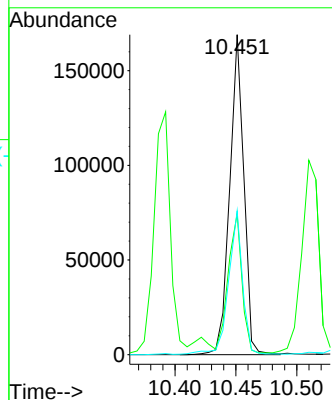
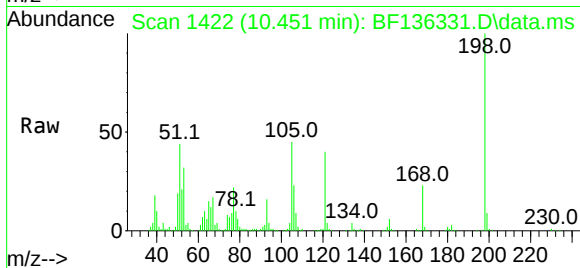




#65
4,6-Dinitro-2-methylphenol
Concen: 42.945 ng
RT: 10.451 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

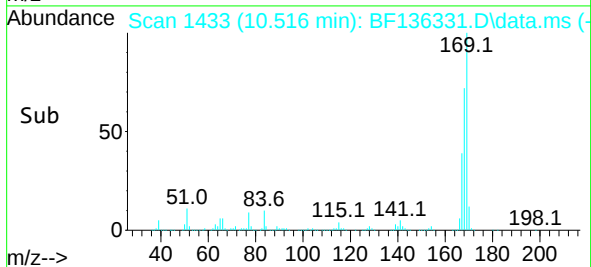
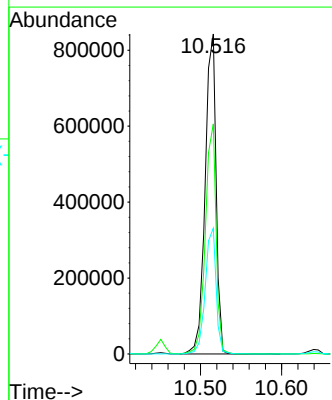
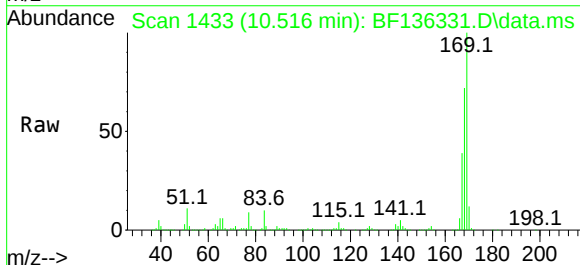
Instrument :
BNA_F
ClientSampleId :
PB157389BS

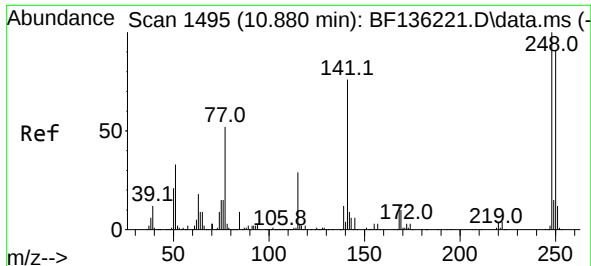
Tgt Ion:198 Resp: 136454
Ion Ratio Lower Upper
198 100
51 44.0 28.2 68.2
105 45.0 25.7 65.7



#66
n-Nitrosodiphenylamine
Concen: 42.320 ng
RT: 10.516 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:169 Resp: 788012
Ion Ratio Lower Upper
169 100
168 71.9 57.8 86.6
167 39.3 32.7 49.1

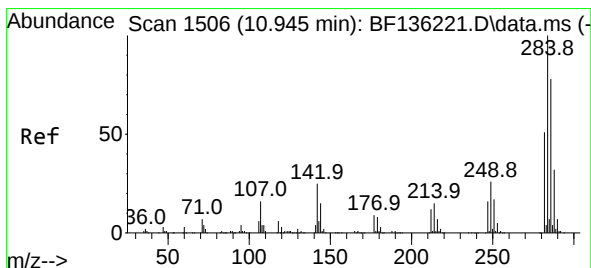
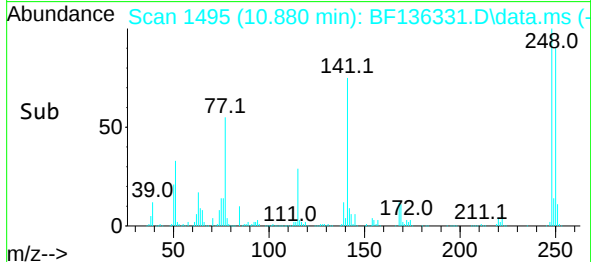
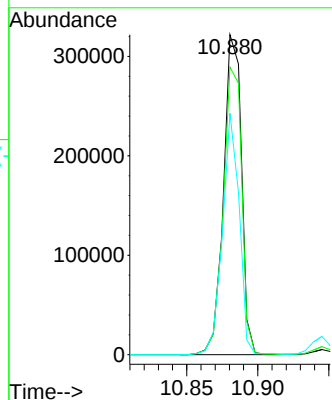
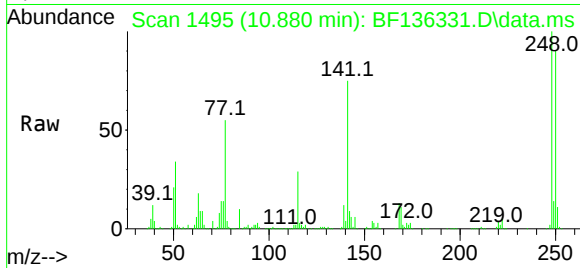




#67
4-Bromophenyl-phenylether
Concen: 41.569 ng
RT: 10.880 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

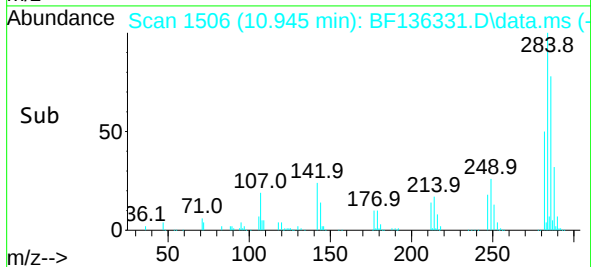
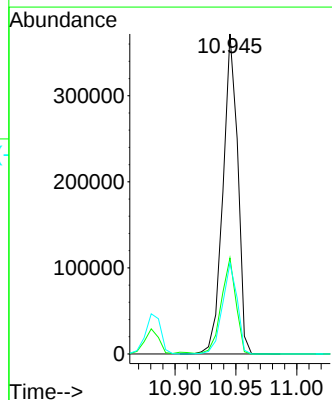
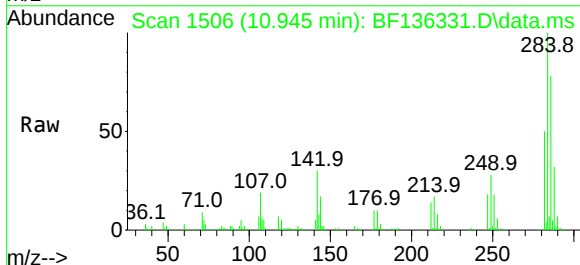
Instrument :
BNA_F
ClientSampleId :
PB157389BS

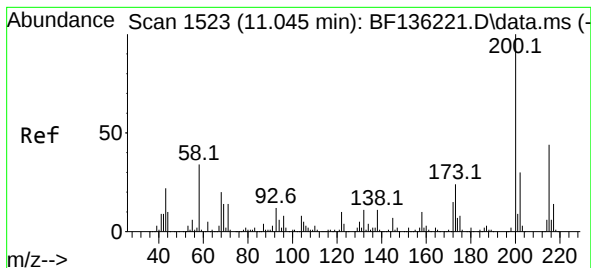
Tgt Ion:248 Resp: 281790
Ion Ratio Lower Upper
248 100
250 89.8 72.5 108.7
141 75.5 60.8 91.2



#68
Hexachlorobenzene
Concen: 39.981 ng
RT: 10.945 min Scan# 1506
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:284 Resp: 313673
Ion Ratio Lower Upper
284 100
142 30.0 19.8 29.8#
249 28.4 21.0 31.4





#69

Atrazine

Concen: 40.676 ng

RT: 11.045 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

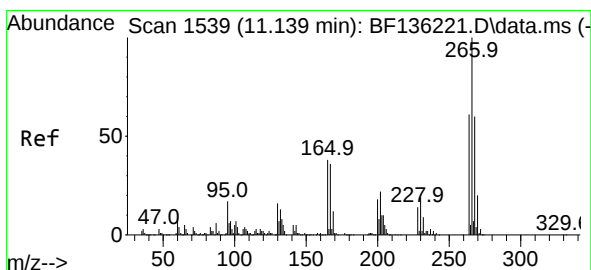
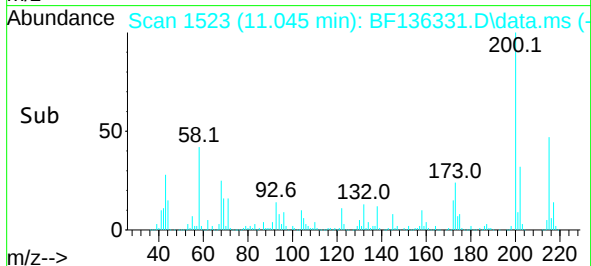
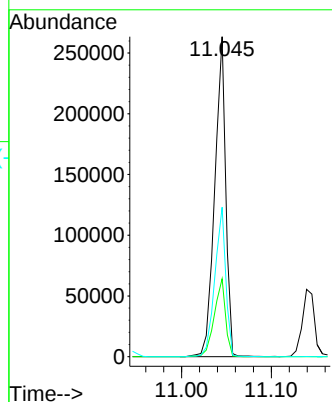
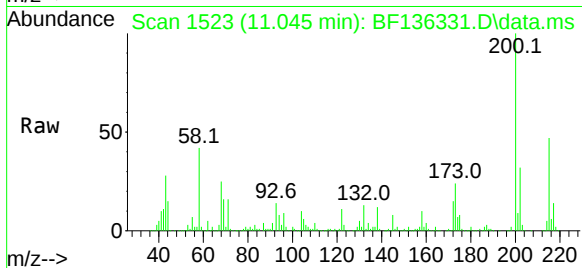
Tgt Ion:200 Resp: 224679

Ion Ratio Lower Upper

200 100

173 24.4 4.3 44.3

215 46.7 23.8 63.8



#70

Pentachlorophenol

Concen: 65.297 ng

RT: 11.145 min Scan# 1540

Delta R.T. 0.006 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

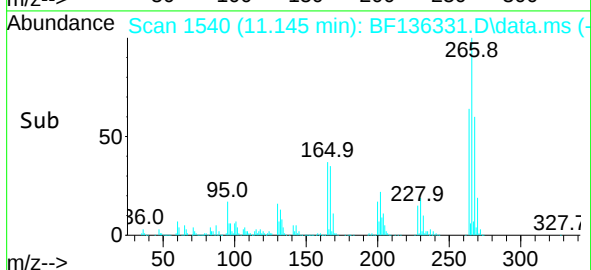
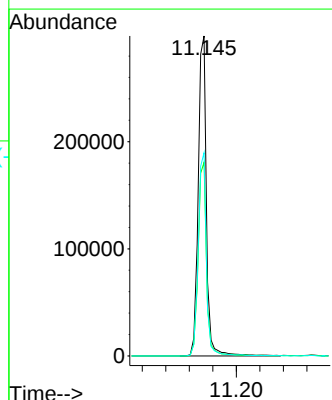
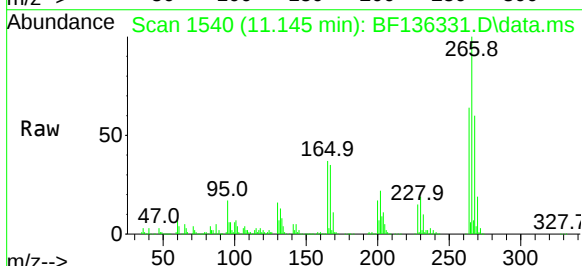
Tgt Ion:266 Resp: 289577

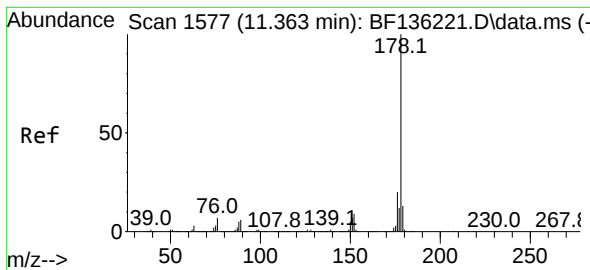
Ion Ratio Lower Upper

266 100

268 60.5 47.9 71.9

264 63.5 49.1 73.7





#71

Phenanthrene

Concen: 40.896 ng

RT: 11.363 min Scan# 1577

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

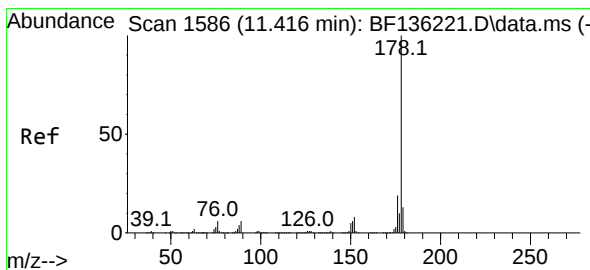
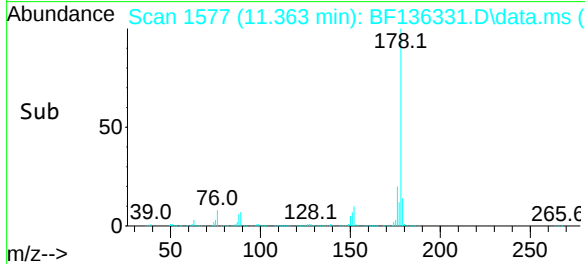
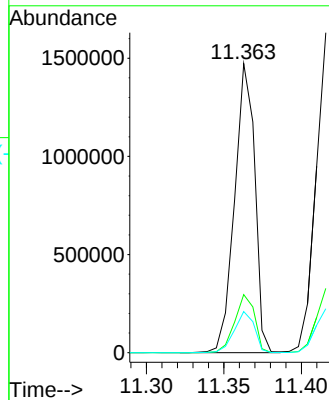
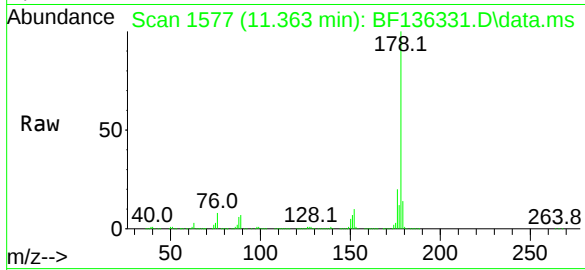
Tgt Ion:178 Resp: 1335558

Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.2

179 14.3 10.3 15.5



#72

Anthracene

Concen: 40.569 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

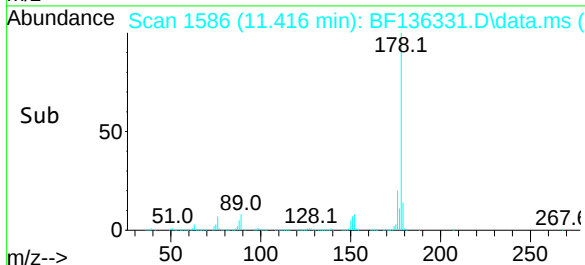
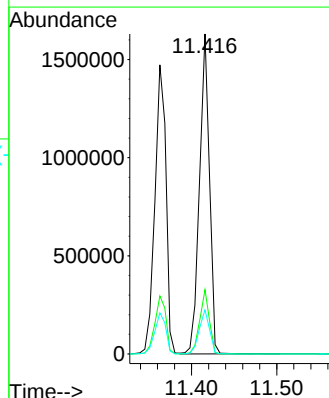
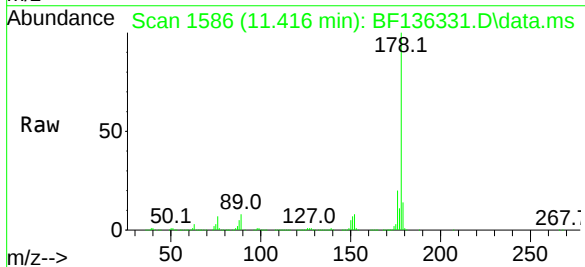
Tgt Ion:178 Resp: 1328606

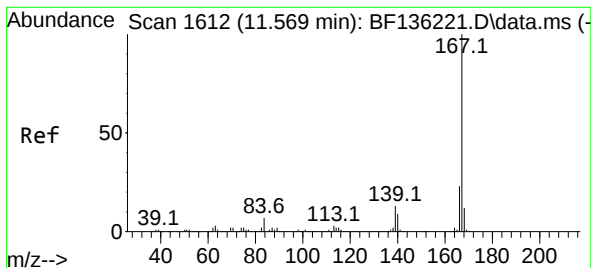
Ion Ratio Lower Upper

178 100

176 20.1 15.5 23.3

179 13.8 10.5 15.7





#73

Carbazole

Concen: 38.321 ng

RT: 11.575 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

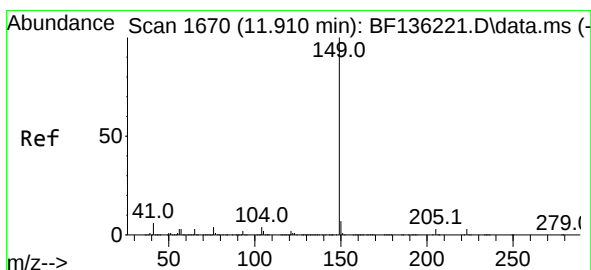
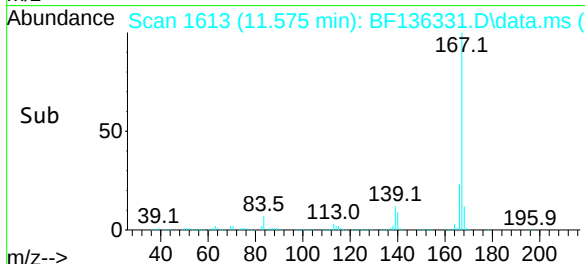
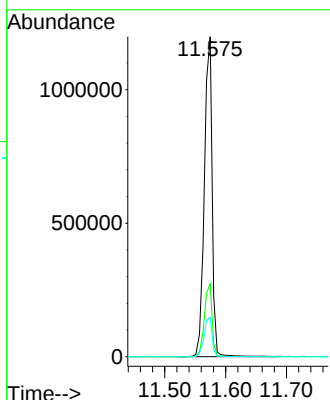
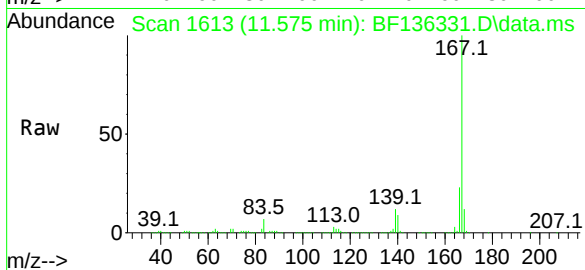
Tgt Ion:167 Resp: 1067365

Ion Ratio Lower Upper

167 100

166 22.7 18.4 27.6

139 12.3 10.5 15.7



#74

Di-n-butylphthalate

Concen: 39.862 ng

RT: 11.904 min Scan# 1669

Delta R.T. -0.006 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

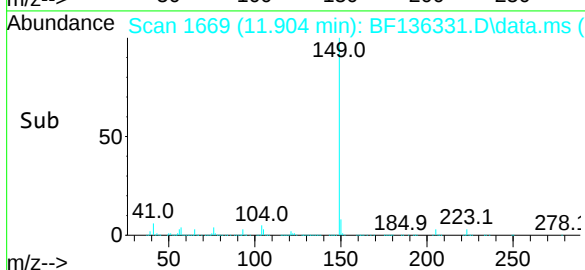
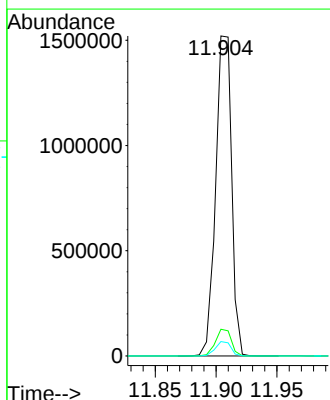
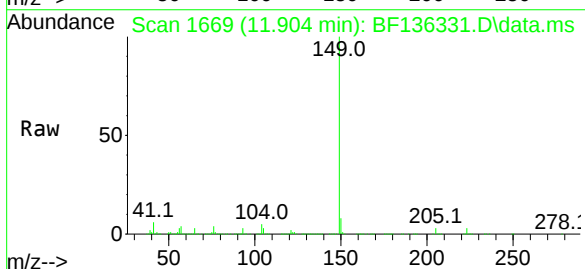
Tgt Ion:149 Resp: 1389238

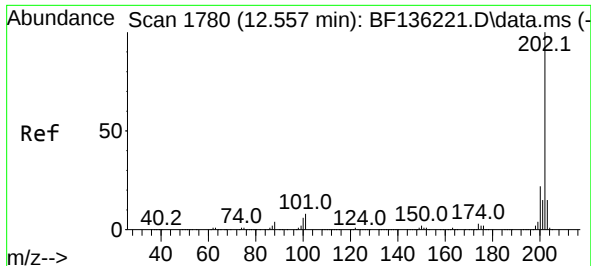
Ion Ratio Lower Upper

149 100

150 8.3 6.0 9.0

104 4.5 3.5 5.3

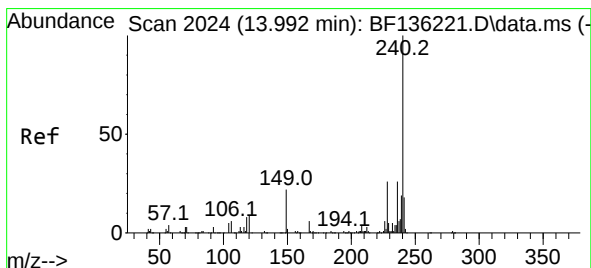
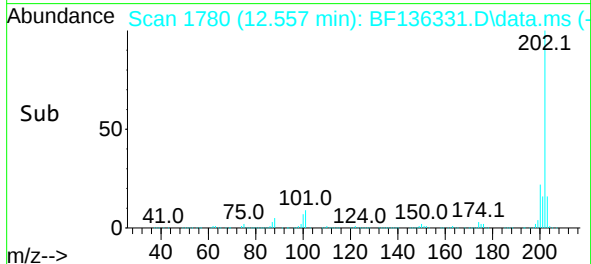
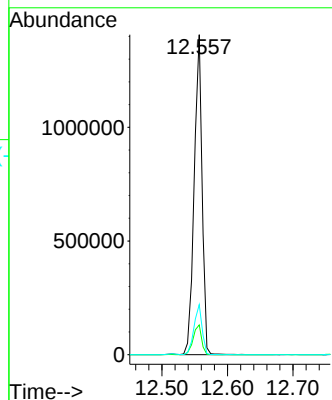
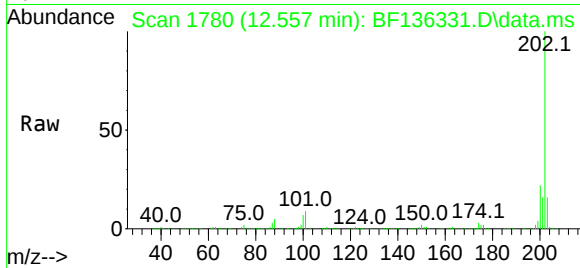




#75
Fluoranthene
Concen: 35.594 ng
RT: 12.557 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

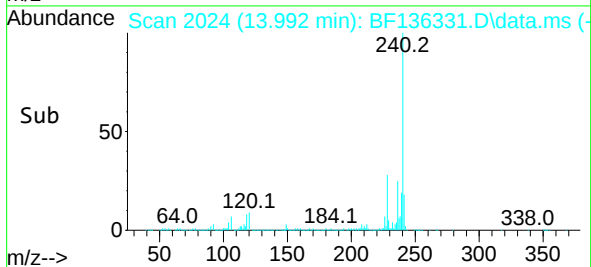
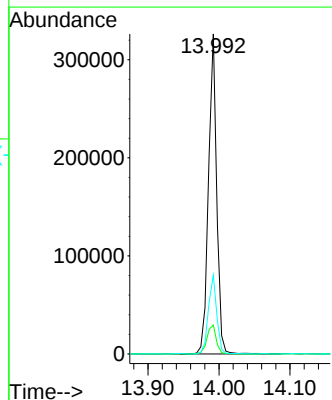
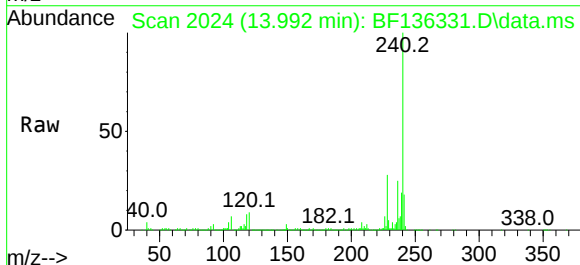
Instrument :
BNA_F
ClientSampleId :
PB157389BS

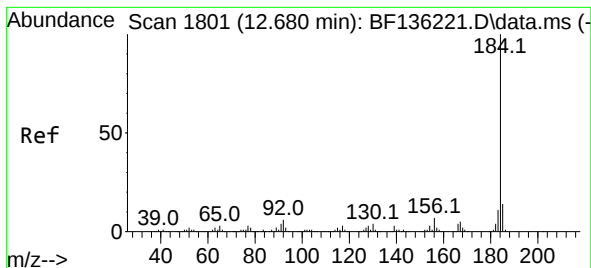
Tgt Ion:202 Resp: 1180051
Ion Ratio Lower Upper
202 100
101 9.3 0.0 27.8
203 15.7 0.0 34.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF136331.D
Acq: 01 Dec 2023 11:36

Tgt Ion:240 Resp: 262829
Ion Ratio Lower Upper
240 100
120 9.1 7.4 11.2
236 24.7 21.1 31.7





#77

Benzidine

Concen: 23.503 ng

RT: 12.680 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

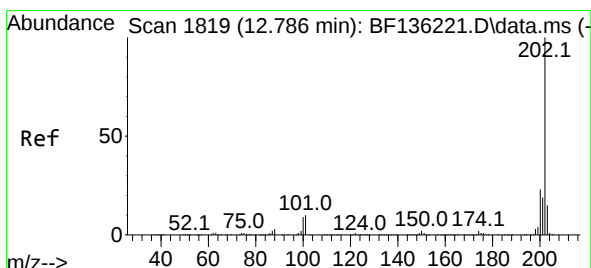
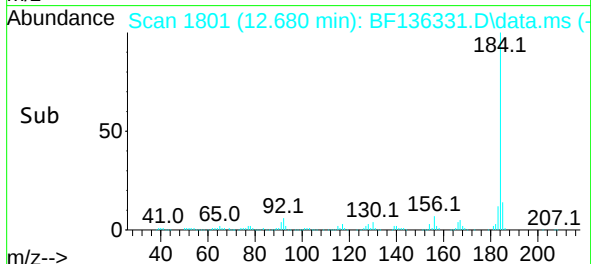
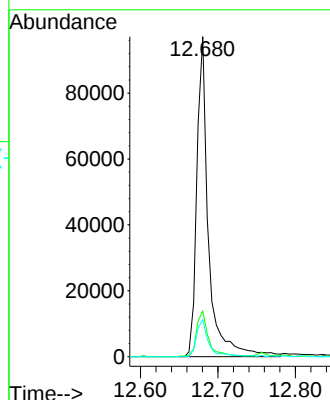
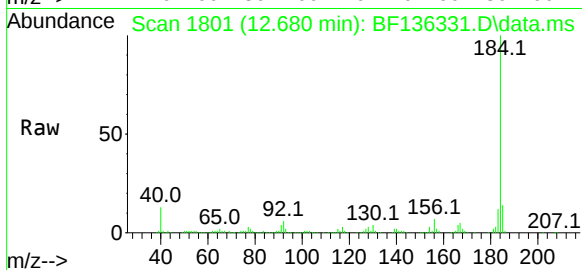
Tgt Ion:184 Resp: 101545

Ion Ratio Lower Upper

184 100

185 14.3 11.0 16.6

183 11.5 9.0 13.4



#78

Pyrene

Concen: 40.077 ng

RT: 12.786 min Scan# 1819

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

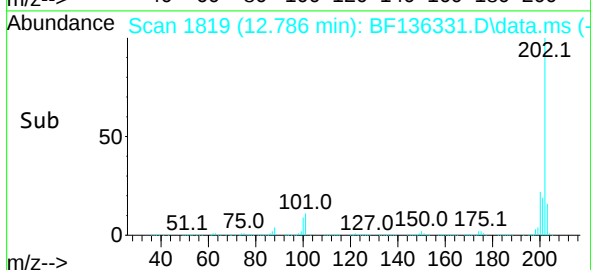
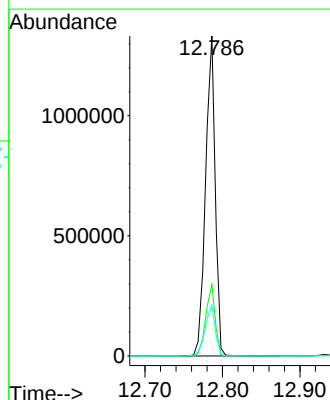
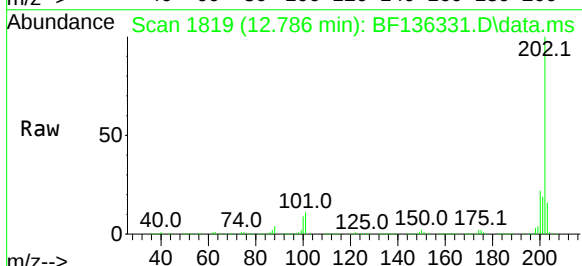
Tgt Ion:202 Resp: 1153589

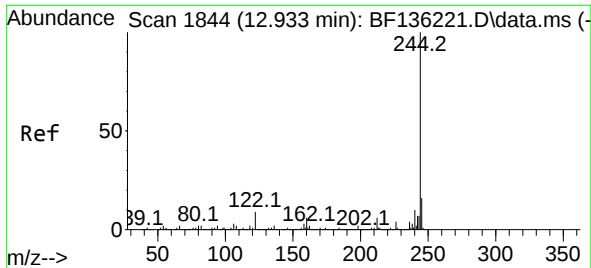
Ion Ratio Lower Upper

202 100

200 22.4 18.4 27.6

203 16.0 11.8 17.6

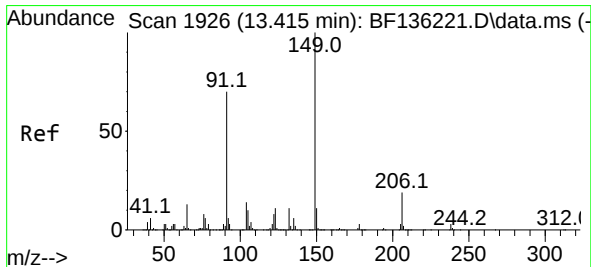
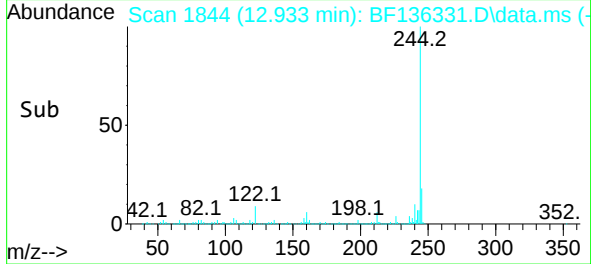
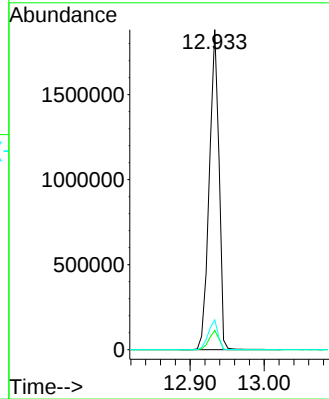
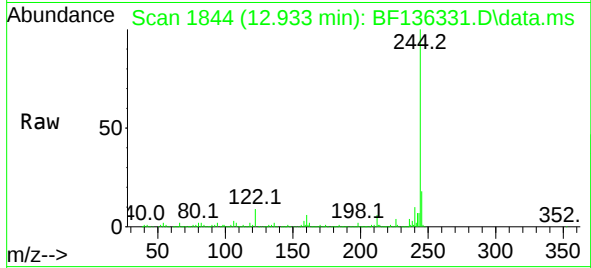




#79
 Terphenyl-d14
 Concen: 75.102 ng
 RT: 12.933 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF136331.D
 Acq: 01 Dec 2023 11:36

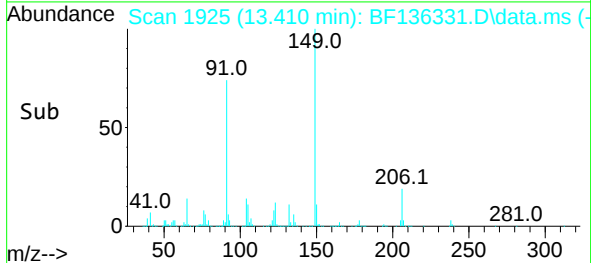
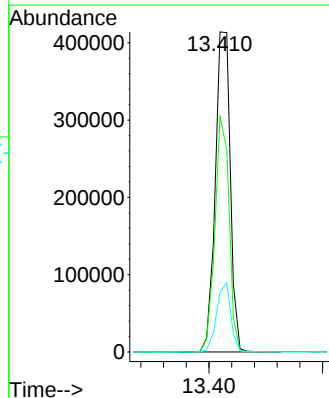
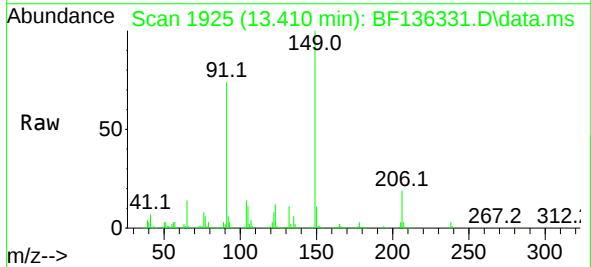
Instrument :
 BNA_F
 ClientSampleId :
 PB157389BS

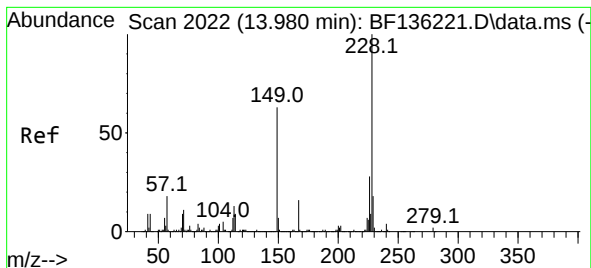
Tgt Ion:244 Resp: 1711238
 Ion Ratio Lower Upper
 244 100
 212 6.0 4.6 7.0
 122 9.4 7.3 10.9



#80
 Butylbenzylphthalate
 Concen: 42.574 ng
 RT: 13.410 min Scan# 1925
 Delta R.T. -0.006 min
 Lab File: BF136331.D
 Acq: 01 Dec 2023 11:36

Tgt Ion:149 Resp: 381391
 Ion Ratio Lower Upper
 149 100
 91 73.6 56.4 84.6
 206 18.9 14.8 22.2





#81

Benzo(a)anthracene

Concen: 39.813 ng

RT: 13.980 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

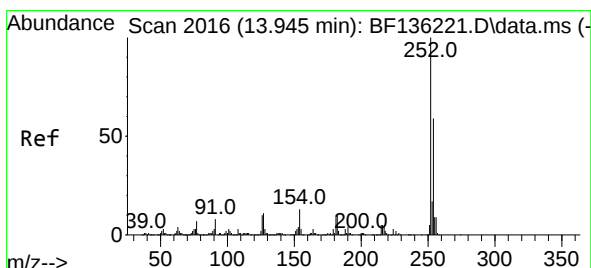
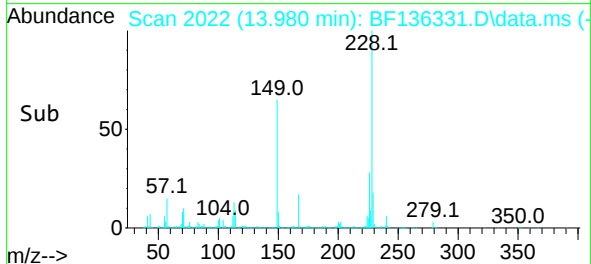
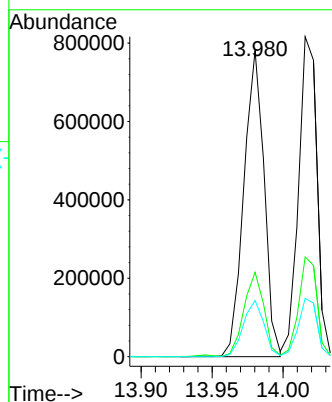
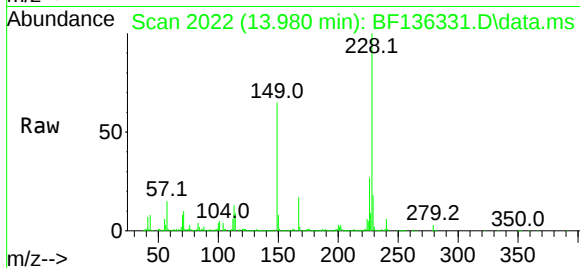
Tgt Ion:228 Resp: 777232

Ion Ratio Lower Upper

228 100

226 27.5 22.6 34.0

229 18.3 14.0 21.0



#82

3,3'-Dichlorobenzidine

Concen: 45.352 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

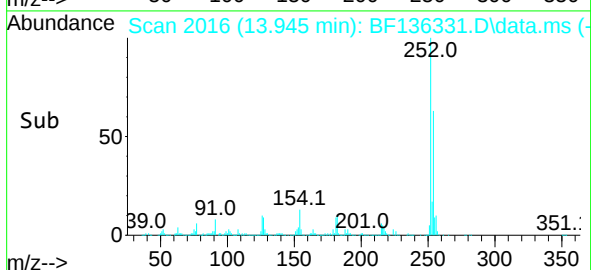
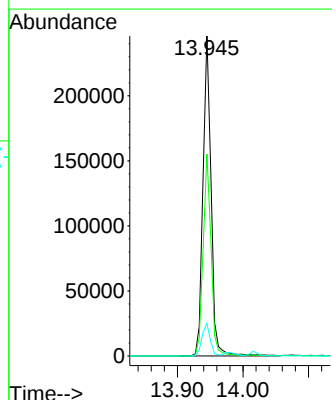
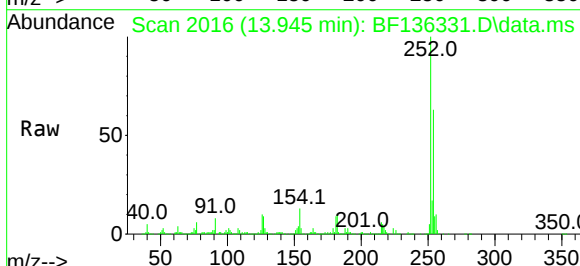
Tgt Ion:252 Resp: 213123

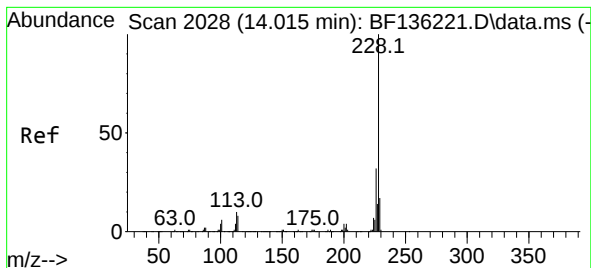
Ion Ratio Lower Upper

252 100

254 63.1 47.4 71.2

126 10.2 8.3 12.5





#83

Chrysene

Concen: 39.396 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

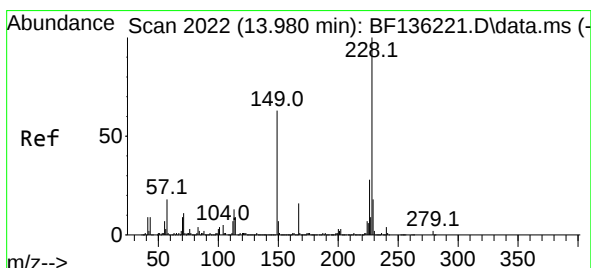
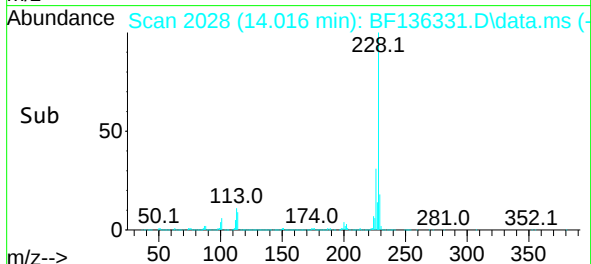
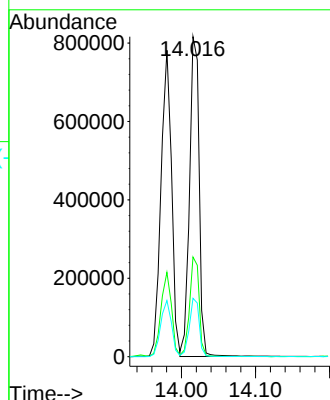
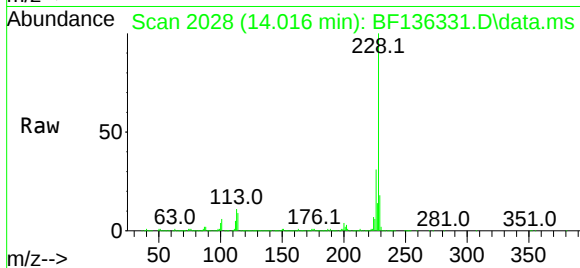
Tgt Ion:228 Resp: 742594

Ion Ratio Lower Upper

228 100

226 31.2 25.5 38.3

229 18.2 13.9 20.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.285 ng

RT: 13.980 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

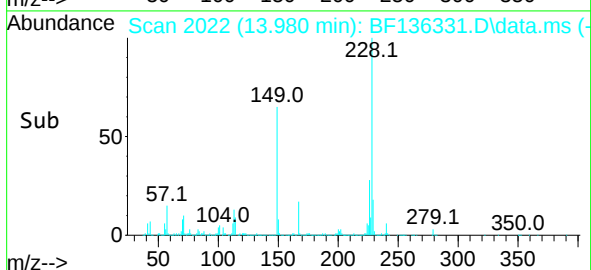
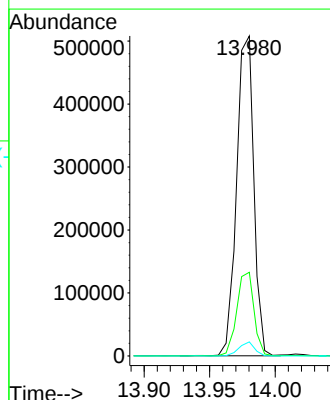
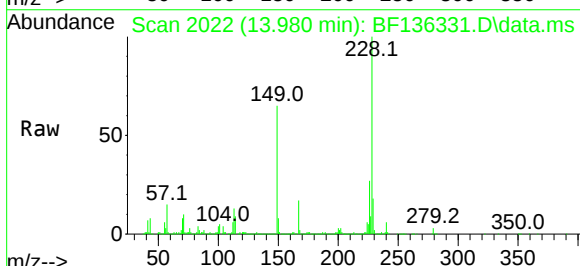
Tgt Ion:149 Resp: 465364

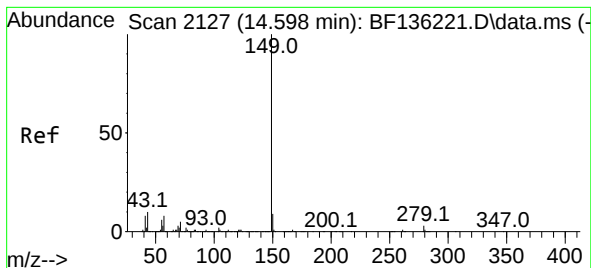
Ion Ratio Lower Upper

149 100

167 26.2 20.2 30.2

279 4.4 2.4 3.6#





#85

Di-n-octyl phthalate

Concen: 47.672 ng

RT: 14.598 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

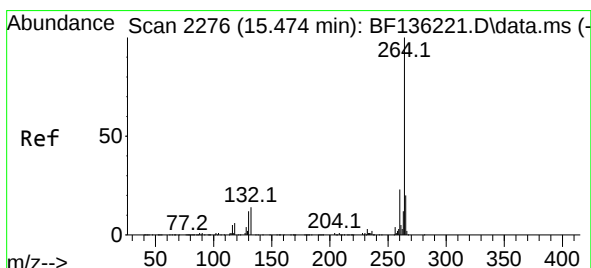
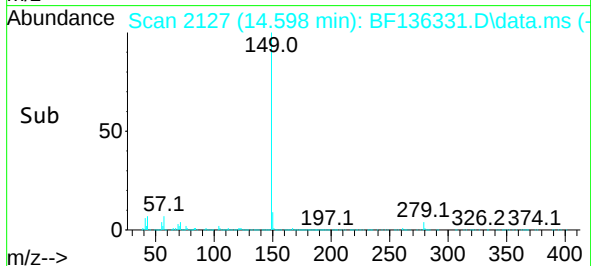
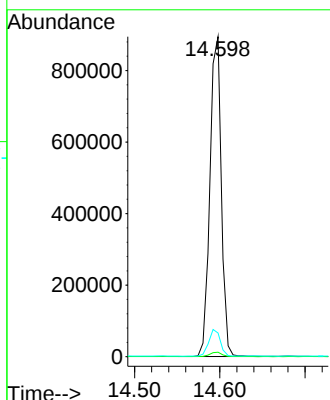
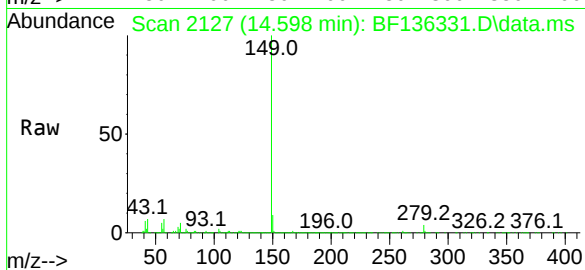
Tgt Ion:149 Resp: 831722

Ion Ratio Lower Upper

149 100

167 1.5 1.0 1.6

43 8.6 7.2 10.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2276

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

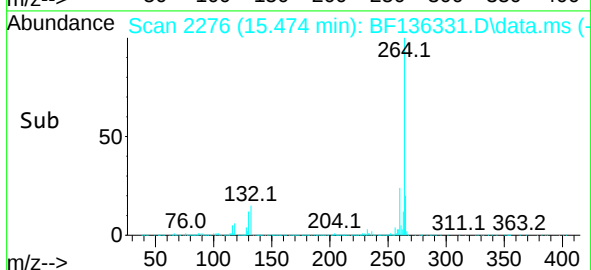
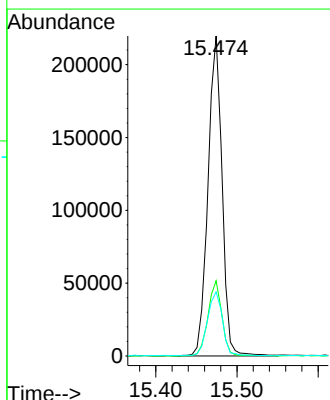
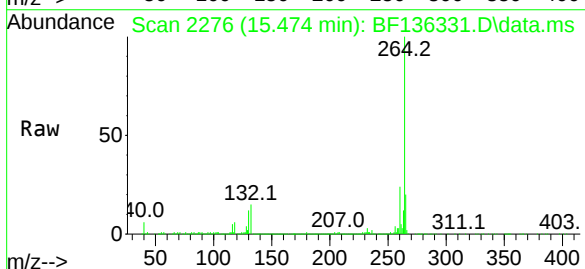
Tgt Ion:264 Resp: 264176

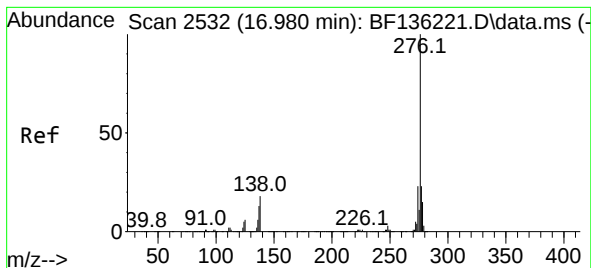
Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 20.1 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.357 ng

RT: 16.992 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

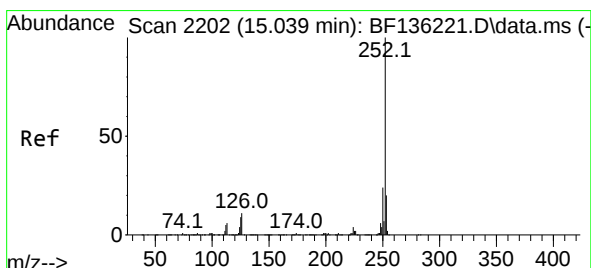
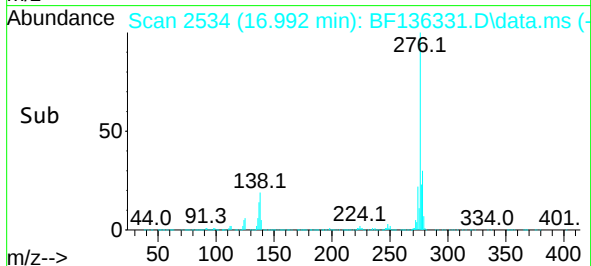
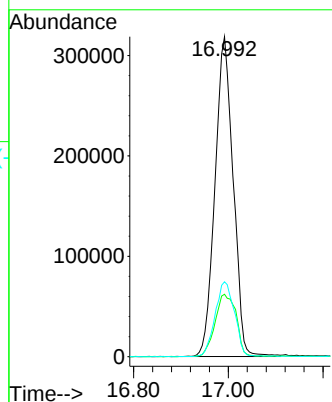
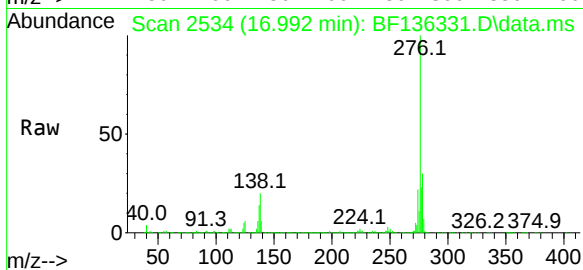
Tgt Ion:276 Resp: 850741

Ion Ratio Lower Upper

276 100

138 22.8 17.7 26.5

277 24.8 19.6 29.4



#88

Benzo(b)fluoranthene

Concen: 42.692 ng

RT: 15.039 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

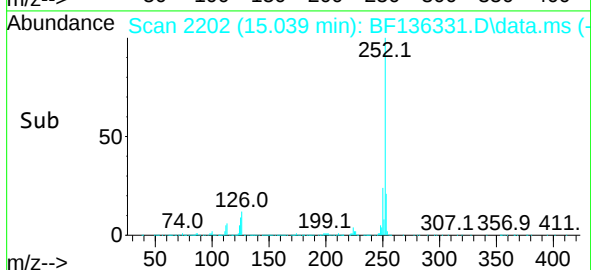
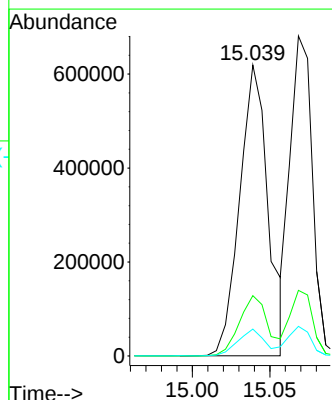
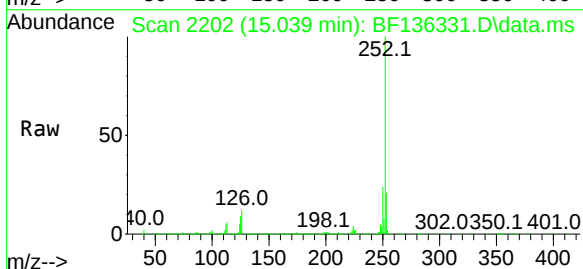
Tgt Ion:252 Resp: 791253

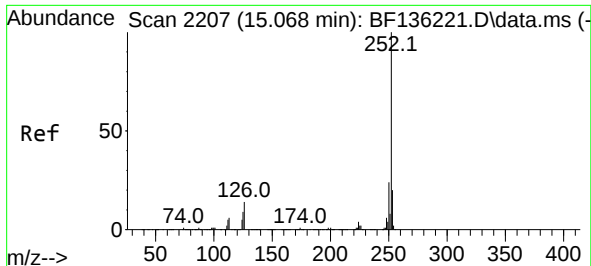
Ion Ratio Lower Upper

252 100

253 20.8 16.2 24.2

125 9.2 6.9 10.3





#89

Benzo(k)fluoranthene

Concen: 39.079 ng

RT: 15.068 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

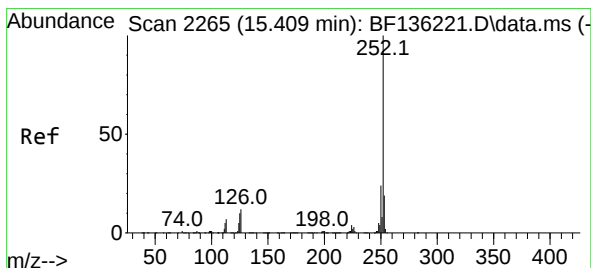
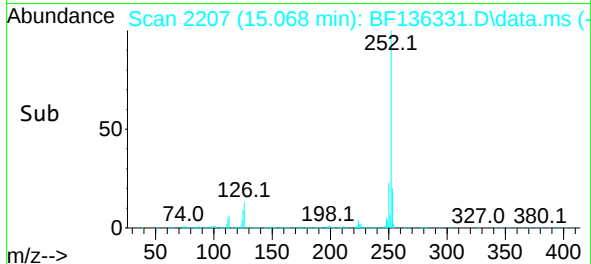
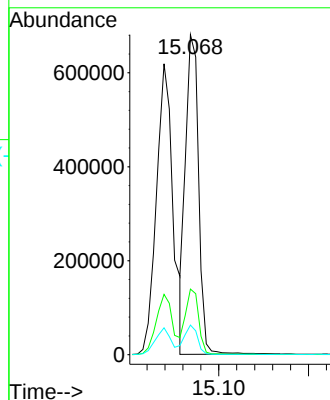
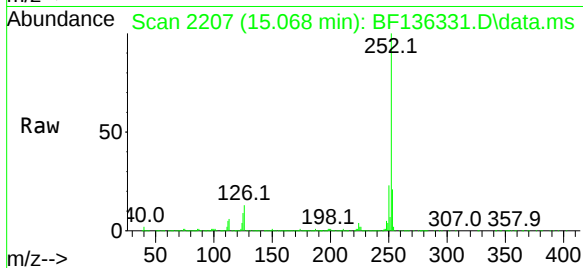
Tgt Ion:252 Resp: 687909

Ion Ratio Lower Upper

252 100

253 20.5 15.6 23.4

125 9.3 7.0 10.4



#90

Benzo(a)pyrene

Concen: 43.255 ng

RT: 15.415 min Scan# 2266

Delta R.T. 0.006 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

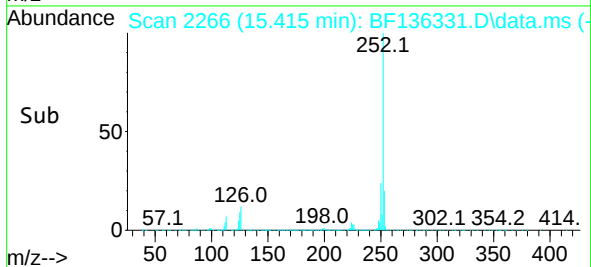
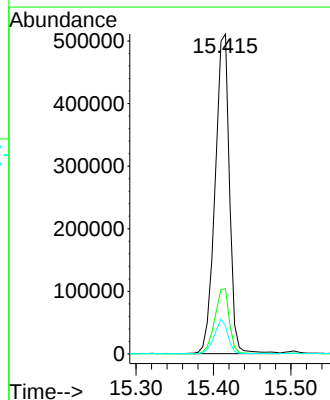
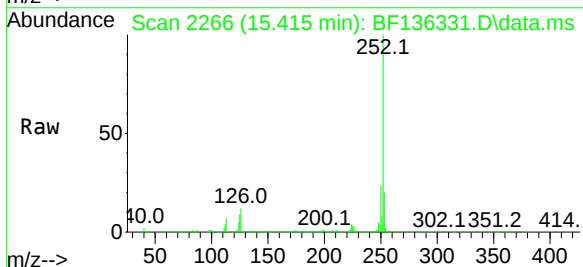
Tgt Ion:252 Resp: 655362

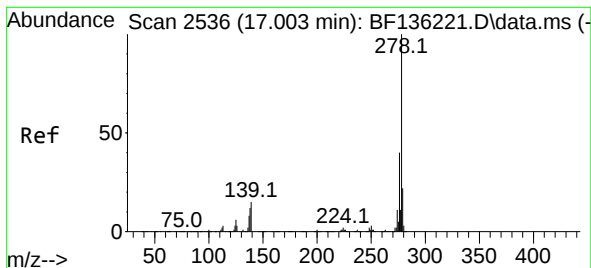
Ion Ratio Lower Upper

252 100

253 20.4 15.5 23.3

125 8.7 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 44.674 ng

RT: 17.015 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Instrument :

BNA_F

ClientSampleId :

PB157389BS

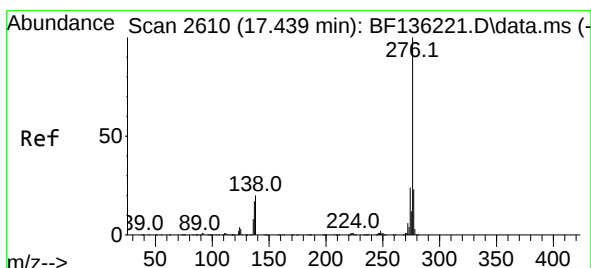
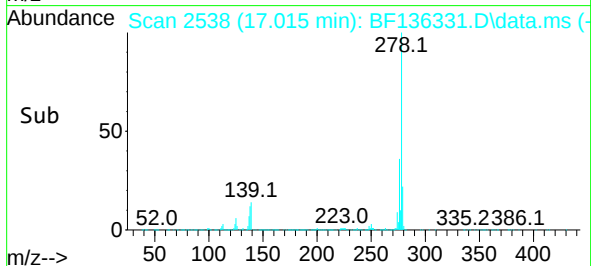
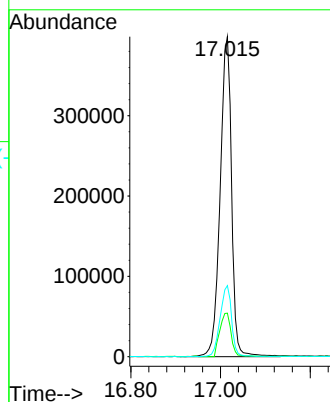
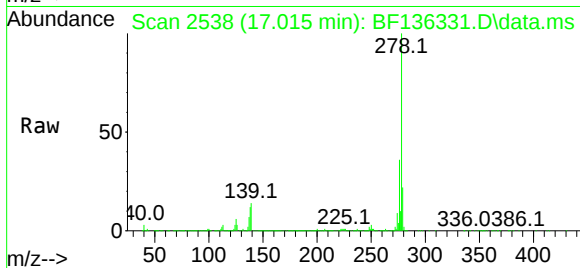
Tgt Ion:278 Resp: 704865

Ion Ratio Lower Upper

278 100

139 13.6 11.7 17.5

279 22.2 17.8 26.8



#92

Benzo(g,h,i)perylene

Concen: 43.086 ng

RT: 17.451 min Scan# 2612

Delta R.T. 0.012 min

Lab File: BF136331.D

Acq: 01 Dec 2023 11:36

Tgt Ion:276 Resp: 681993

Ion Ratio Lower Upper

276 100

277 22.2 18.6 27.8

138 19.5 15.8 23.8

