

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032124\
 Data File : BF137661.D
 Acq On : 21 Mar 2024 15:21
 Operator : CG\JU
 Sample : PB159709BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB159709BS

Quant Time: Mar 21 15:41:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	197121	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	774609	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	401368	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	672185	20.000	ng	0.00
76) Chrysene-d12	13.880	240	377607	20.000	ng	0.00
86) Perylene-d12	15.298	264	359324	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1580937	121.468	ng	0.02
7) Phenol-d6	6.375	99	2114293	112.539	ng	0.00
23) Nitrobenzene-d5	7.298	82	1364093	81.824	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	513185	145.597	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	2201149	85.846	ng	0.00
79) Terphenyl-d14	12.833	244	2207542	80.391	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	247086	34.720	ng	96
3) Pyridine	3.193	79	533901	31.107	ng	98
4) n-Nitrosodimethylamine	3.157	42	267211	39.192	ng	93
6) Aniline	6.392	93	504384	21.972	ng	# 50
8) 2-Chlorophenol	6.510	128	623543	45.422	ng	96
9) Benzaldehyde	6.387	77	19142	2.080	ng	# 6
10) Phenol	6.387	94	803492	39.735	ng	91
11) bis(2-Chloroethyl)ether	6.469	93	649141	43.808	ng	98
12) 1,3-Dichlorobenzene	6.669	146	648328	44.197	ng	95
13) 1,4-Dichlorobenzene	6.745	146	668423	44.535	ng	98
14) 1,2-Dichlorobenzene	6.892	146	617767	44.844	ng	99
15) Benzyl Alcohol	6.881	79	556506	47.581	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.004	45	962561	37.790	ng	89
17) 2-Methylphenol	6.992	107	512836	39.924	ng	98
18) Hexachloroethane	7.234	117	228315	46.199	ng	96
19) n-Nitroso-di-n-propyla...	7.151	70	452160	38.975	ng	97
20) 3+4-Methylphenols	7.145	107	579737	39.407	ng	97
22) Acetophenone	7.140	105	848504	45.273	ng	# 95
24) Nitrobenzene	7.316	77	704615	42.074	ng	98
25) Isophorone	7.551	82	1324744	41.827	ng	99
26) 2-Nitrophenol	7.628	139	320246	48.166	ng	99
27) 2,4-Dimethylphenol	7.669	122	481594	38.765	ng	98
28) bis(2-Chloroethoxy)met...	7.769	93	796298	42.851	ng	98
29) 2,4-Dichlorophenol	7.875	162	511750	44.882	ng	97
30) 1,2,4-Trichlorobenzene	7.951	180	542832	45.241	ng	99
31) Naphthalene	8.034	128	1723120	41.460	ng	99
32) Benzoic acid	7.828	122	272659	39.408	ng	99
33) 4-Chloroaniline	8.086	127	174146	10.686	ng	98
34) Hexachlorobutadiene	8.145	225	322204	45.485	ng	98
35) Caprolactam	8.510	113	58583	15.152	ng	90
36) 4-Chloro-3-methylphenol	8.581	107	552153	43.323	ng	97
37) 2-Methylnaphthalene	8.722	142	1050230	39.639	ng	98
38) 1-Methylnaphthalene	8.822	142	1021319	40.933	ng	100
40) 1,2,4,5-Tetrachloroben...	8.886	216	554219	49.461	ng	100
41) Hexachlorocyclopentadiene	8.875	237	397272	86.169	ng	99
43) 2,4,6-Trichlorophenol	9.004	196	343177	47.031	ng	99

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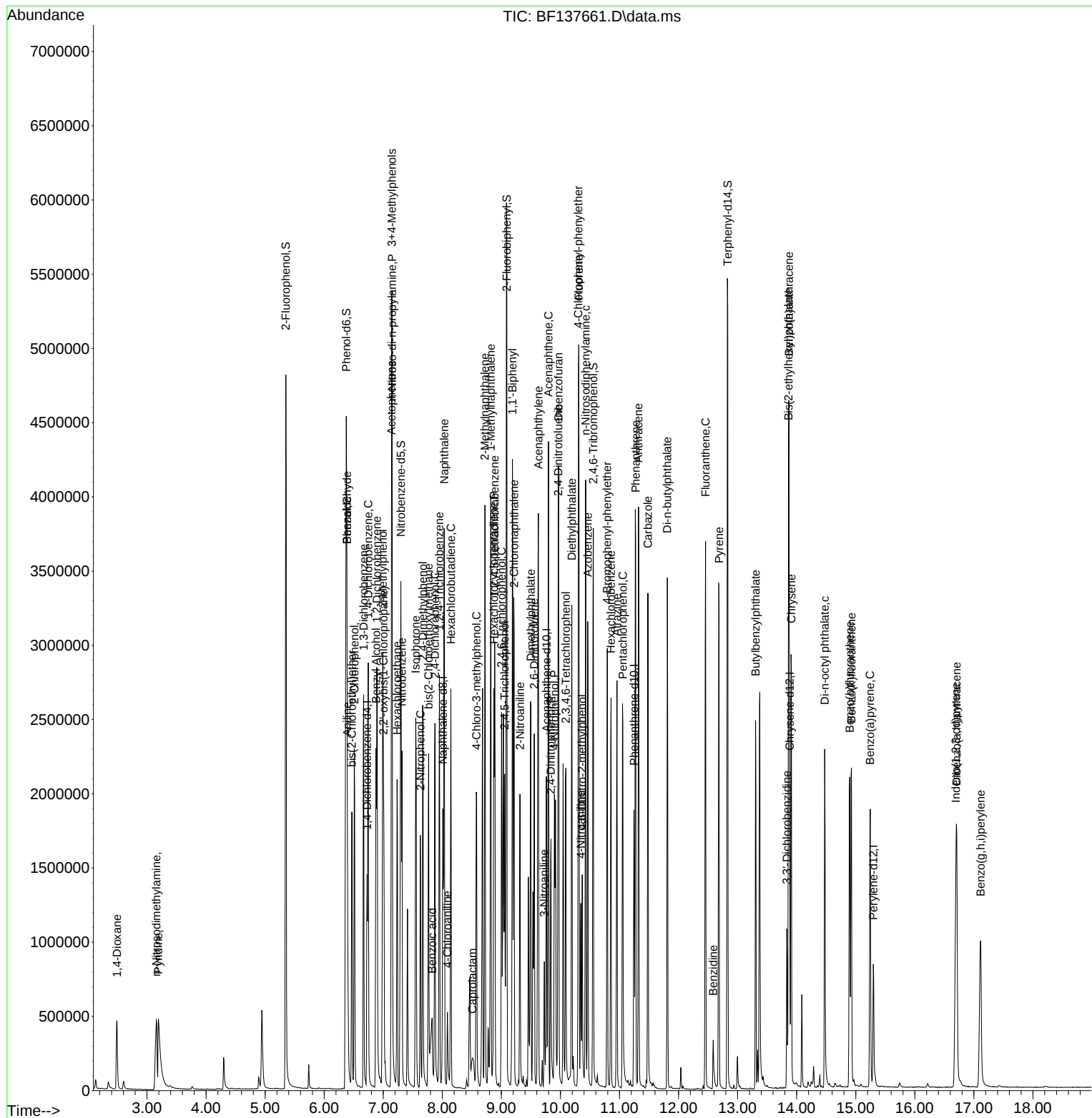
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.057	196	358903	42.698	ng	98
46) 1,1'-Biphenyl	9.186	154	1353136	46.062	ng	99
47) 2-Chloronaphthalene	9.216	162	1047937	46.789	ng	98
48) 2-Nitroaniline	9.316	65	347669	45.670	ng	99
49) Acenaphthylene	9.628	152	1609877	44.914	ng	99
50) Dimethylphthalate	9.498	163	1264391	45.254	ng	99
51) 2,6-Dinitrotoluene	9.557	165	278037	47.577	ng	93
52) Acenaphthene	9.798	154	912440	42.640	ng	99
53) 3-Nitroaniline	9.728	138	135867	21.980	ng	93
54) 2,4-Dinitrophenol	9.839	184	249926	86.893	ng	93
55) Dibenzofuran	9.969	168	1353253	41.521	ng	97
56) 4-Nitrophenol	9.898	139	346851	78.935	ng	97
57) 2,4-Dinitrotoluene	9.963	165	326837	45.523	ng	92
58) Fluorene	10.310	166	1062017	42.430	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.092	232	307153	45.568	ng	96
60) Diethylphthalate	10.192	149	1168394	44.284	ng	99
61) 4-Chlorophenyl-phenyle...	10.304	204	522506	42.594	ng	98
62) 4-Nitroaniline	10.345	138	216386	40.730	ng	96
63) Azobenzene	10.463	77	1216933	40.055	ng	99
65) 4,6-Dinitro-2-methylph...	10.369	198	183053	48.861	ng	87
66) n-Nitrosodiphenylamine	10.428	169	950636	43.919	ng	99
67) 4-Bromophenyl-phenylether	10.792	248	337109	46.045	ng	100
68) Hexachlorobenzene	10.857	284	371989	50.305	ng	# 89
69) Atrazine	10.957	200	310984	47.261	ng	98
70) Pentachlorophenol	11.057	266	374479	83.773	ng	99
71) Phenanthrene	11.275	178	1544429	42.219	ng	99
72) Anthracene	11.322	178	1581785	42.101	ng	99
73) Carbazole	11.480	167	1374929	42.723	ng	99
74) Di-n-butylphthalate	11.810	149	1697772	44.340	ng	99
75) Fluoranthene	12.457	202	1465937	40.996	ng	97
77) Benzidine	12.586	184	172231	18.638	ng	99
78) Pyrene	12.686	202	1482736	40.018	ng	99
80) Butylbenzylphthalate	13.304	149	551297	58.261	ng	100
81) Benzo(a)anthracene	13.868	228	1114020	42.092	ng	98
82) 3,3'-Dichlorobenzidine	13.833	252	239710	34.011	ng	99
83) Chrysene	13.910	228	1119419	41.849	ng	100
84) Bis(2-ethylhexyl)phtha...	13.863	149	708606	58.917	ng	98
85) Di-n-octyl phthalate	14.474	149	1196854	51.210	ng	96
87) Indeno(1,2,3-cd)pyrene	16.698	276	1041146	44.031	ng	96
88) Benzo(b)fluoranthene	14.898	252	1023362	48.146	ng	98
89) Benzo(k)fluoranthene	14.927	252	972518	42.598	ng	98
90) Benzo(a)pyrene	15.245	252	893659	42.665	ng	99
91) Dibenzo(a,h)anthracene	16.709	278	841948	43.893	ng	98
92) Benzo(g,h,i)perylene	17.115	276	854497	43.377	ng	96

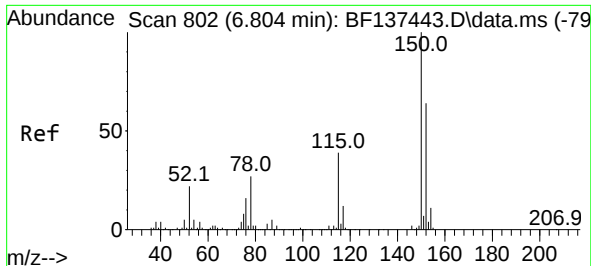
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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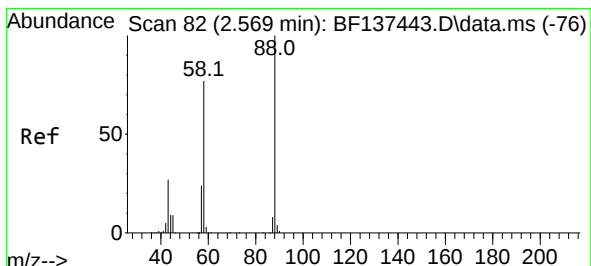
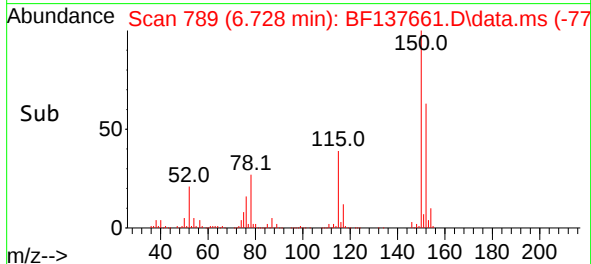
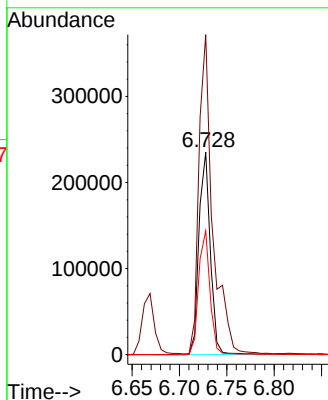
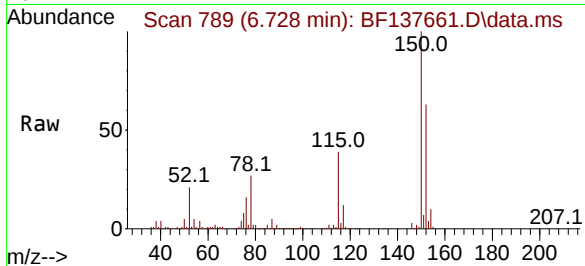




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.728 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF137661.D
 Acq: 21 Mar 2024 15:21

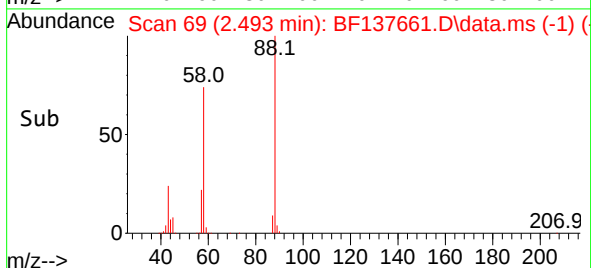
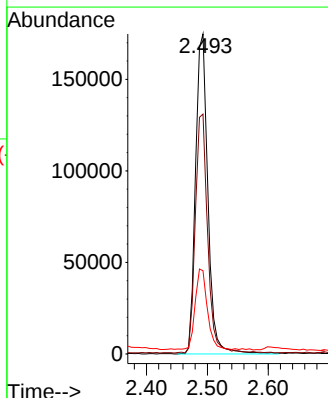
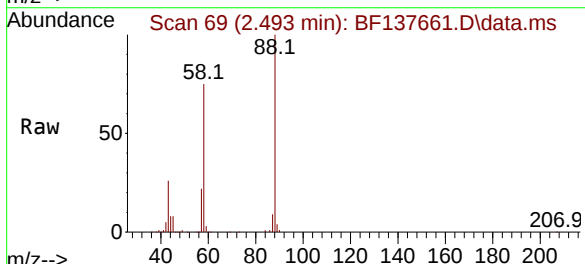
Instrument :
 BNA_F
 ClientSampleId :
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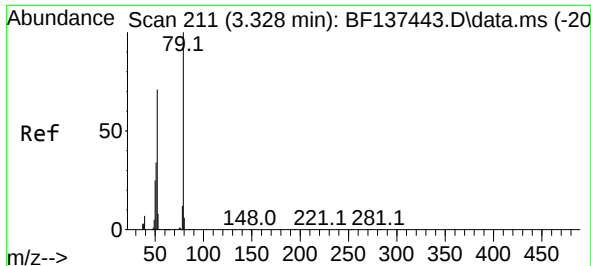
Tgt Ion:152 Resp: 197121
 Ion Ratio Lower Upper
 152 100
 150 157.9 125.8 188.6
 115 61.1 48.8 73.2



#2
 1,4-Dioxane
 Concen: 34.720 ng
 RT: 2.493 min Scan# 69
 Delta R.T. 0.123 min
 Lab File: BF137661.D
 Acq: 21 Mar 2024 15:21

Tgt Ion: 88 Resp: 247086
 Ion Ratio Lower Upper
 88 100
 58 74.2 61.8 92.8
 43 24.6 22.2 33.4

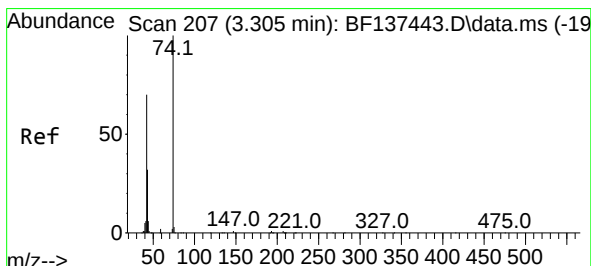
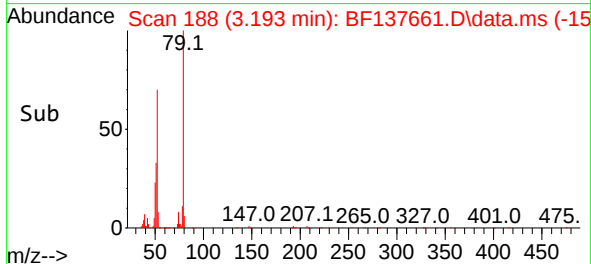
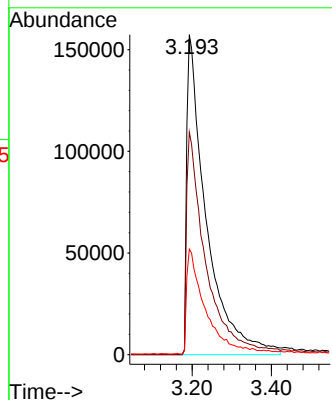
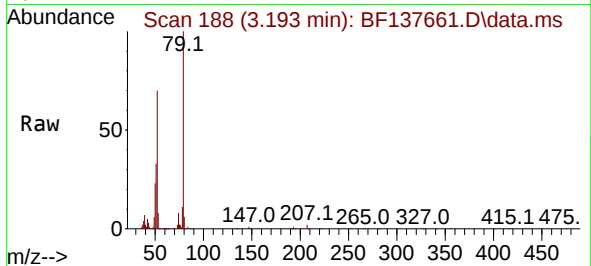




#3
Pyridine
Concen: 31.107 ng
RT: 3.193 min Scan# 188
Delta R.T. 0.123 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

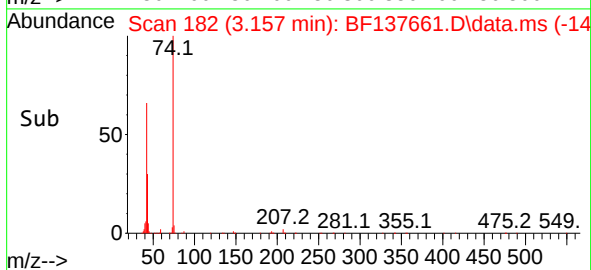
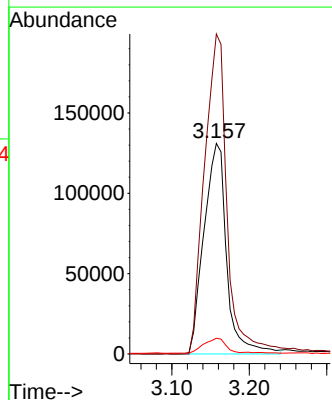
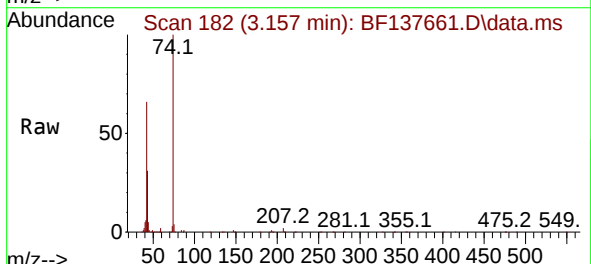
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ClientSampleId :
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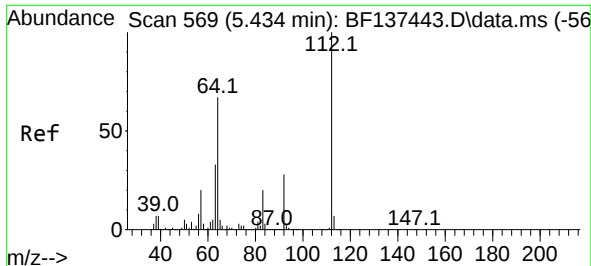
Tgt Ion: 79 Resp: 533901
Ion Ratio Lower Upper
79 100
52 69.5 57.0 85.4
51 33.0 27.5 41.3



#4
n-Nitrosodimethylamine
Concen: 39.192 ng
RT: 3.157 min Scan# 182
Delta R.T. 0.118 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion: 42 Resp: 267211
Ion Ratio Lower Upper
42 100
74 152.0 114.0 171.0
44 7.5 7.0 10.4

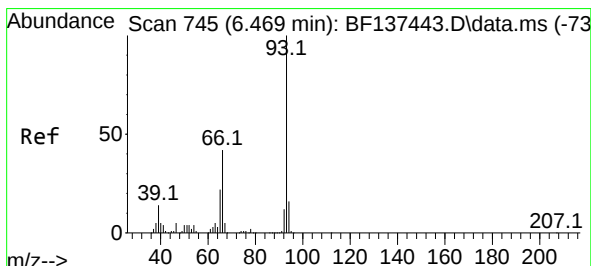
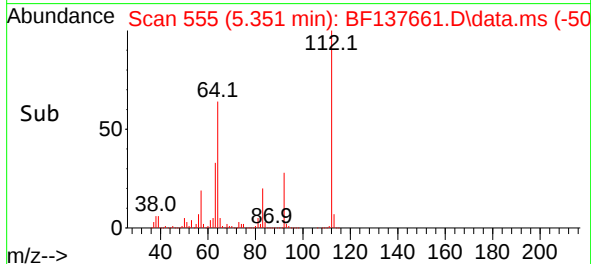
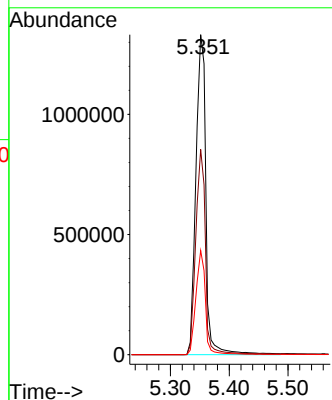
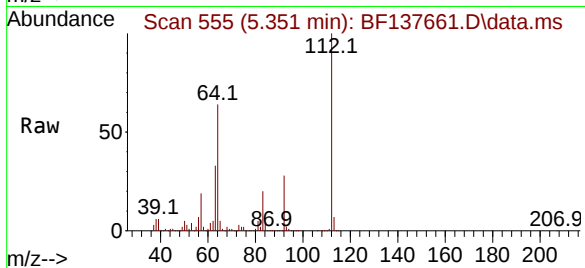




#5
2-Fluorophenol
Concen: 121.468 ng
RT: 5.351 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

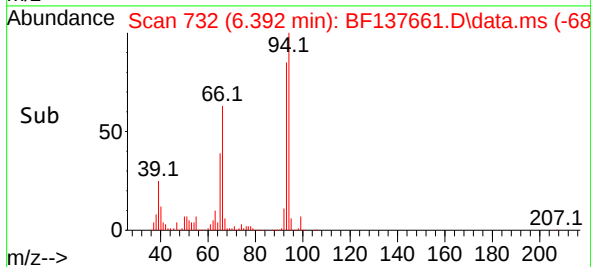
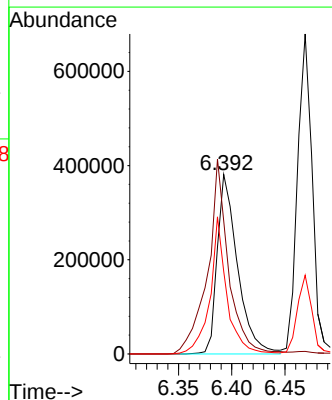
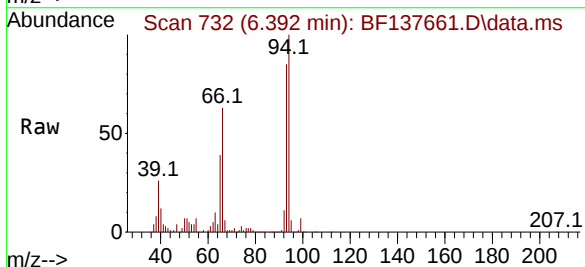
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:112 Resp: 1580937
Ion Ratio Lower Upper
112 100
64 64.1 53.4 80.2
63 32.5 26.2 39.2



#6
Aniline
Concen: 21.972 ng
RT: 6.392 min Scan# 732
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion: 93 Resp: 504384
Ion Ratio Lower Upper
93 100
66 74.1 34.0 51.0#
65 46.0 17.8 26.8#



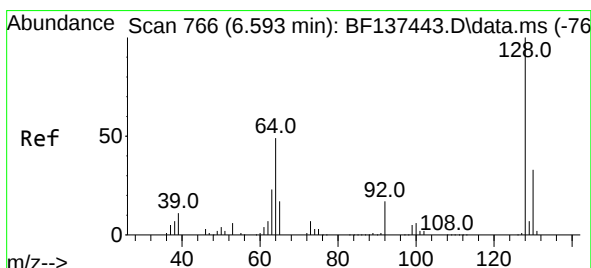
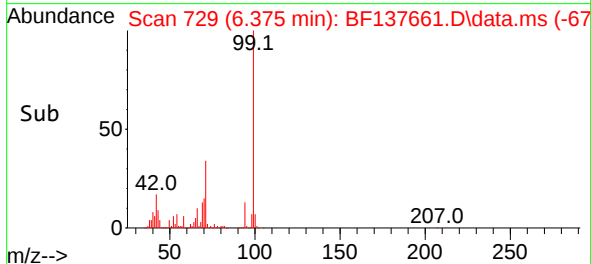
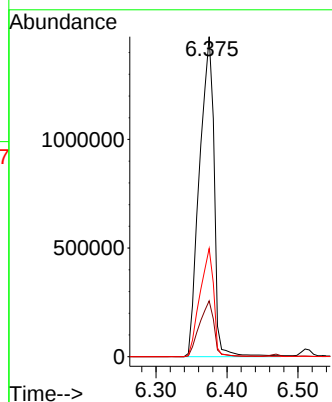
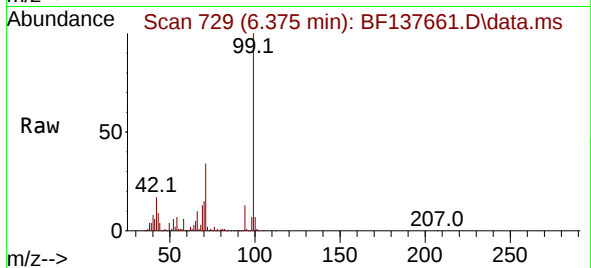


#7
Phenol-d6
Concen: 112.539 ng
RT: 6.375 min Scan# 711
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 2114293

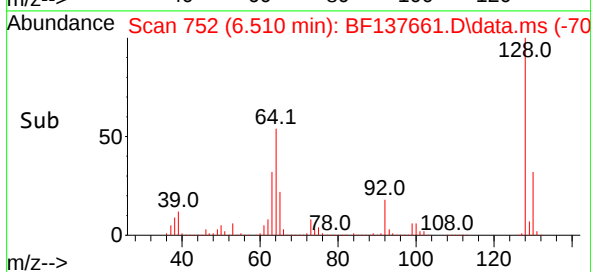
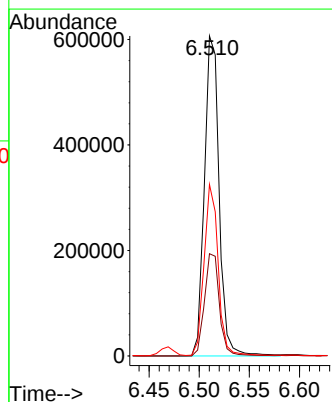
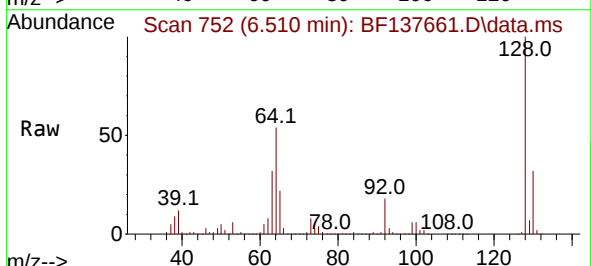
Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.6	21.8
71	33.8	25.3	37.9

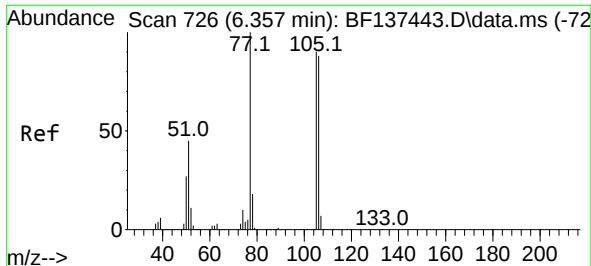


#8
2-Chlorophenol
Concen: 45.422 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:128 Resp: 623543

Ion	Ratio	Lower	Upper
128	100		
130	31.9	13.4	53.4
64	53.6	30.0	70.0





#9

Benzaldehyde

Concen: 2.080 ng

RT: 6.387 min Scan# 71

Delta R.T. 0.106 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

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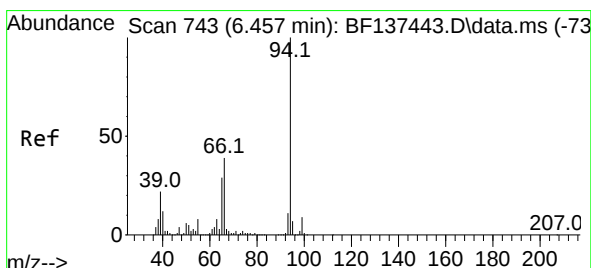
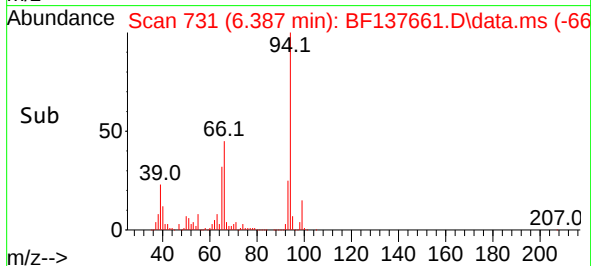
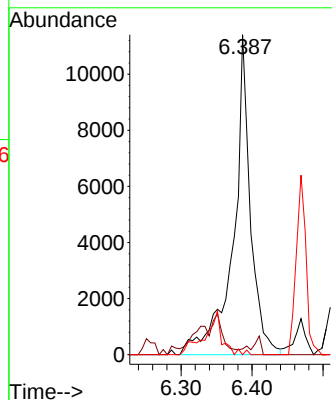
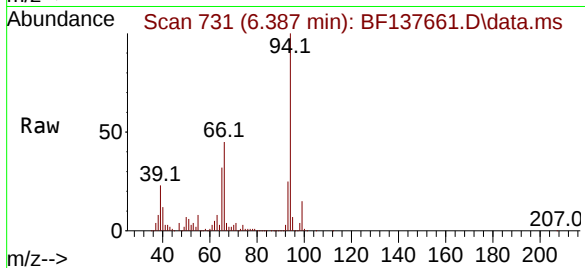
Tgt Ion: 77 Resp: 19142

Ion Ratio Lower Upper

77 100

105 1.8 69.8 109.8#

106 0.0 67.8 107.8#



#10

Phenol

Concen: 39.735 ng

RT: 6.387 min Scan# 731

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

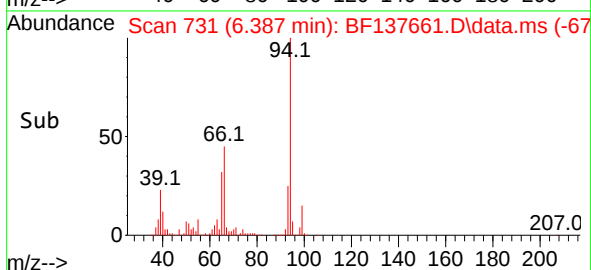
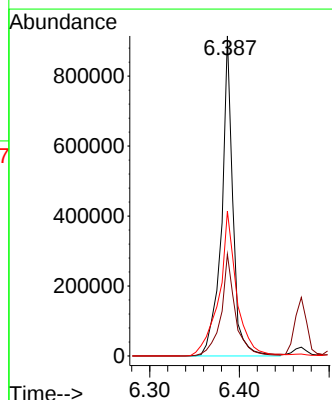
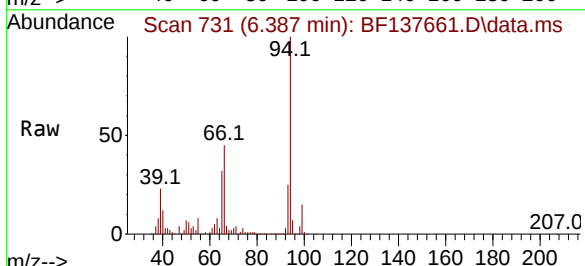
Tgt Ion: 94 Resp: 803492

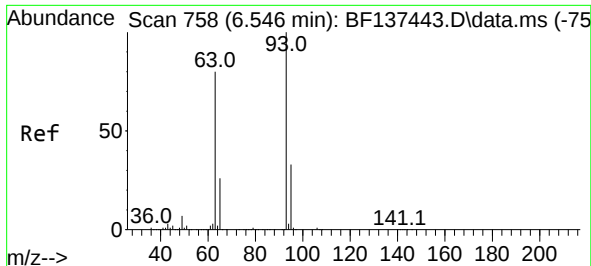
Ion Ratio Lower Upper

94 100

65 31.8 8.7 48.7

66 45.2 18.6 58.6

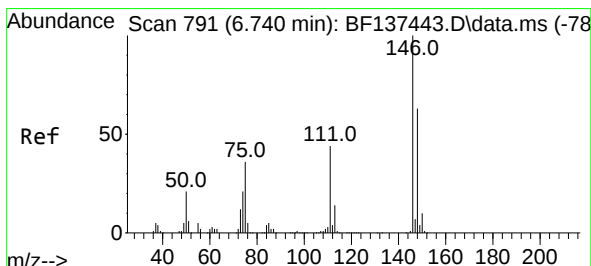
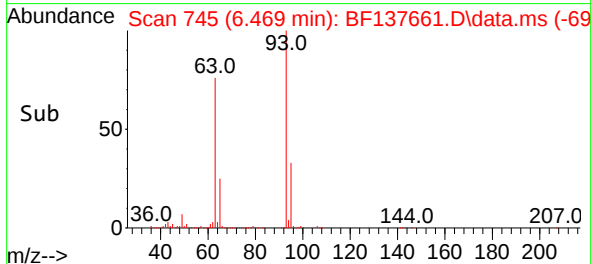
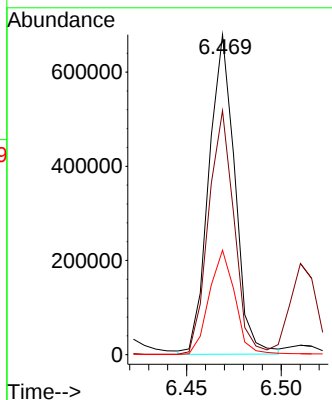
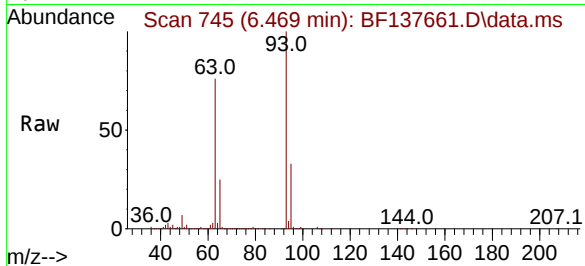




#11
bis(2-Chloroethyl)ether
Concen: 43.808 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

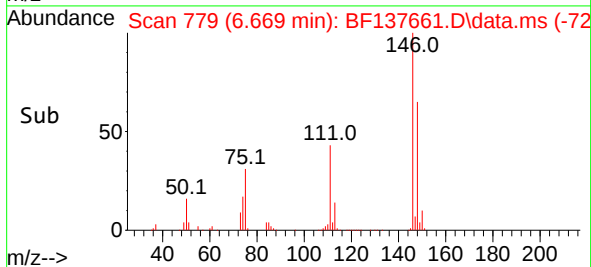
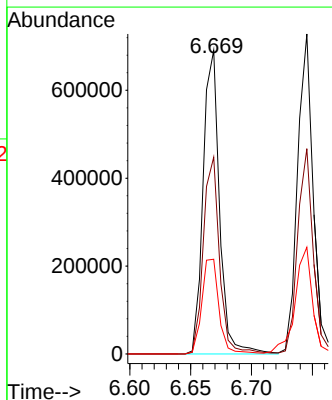
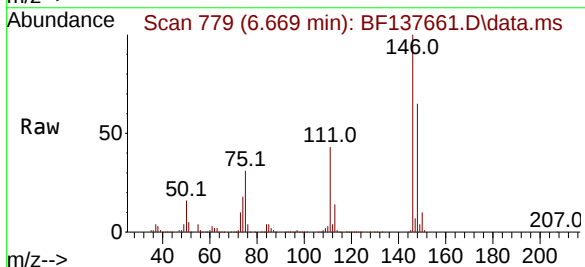
Instrument :
BNA_F
ClientSampleId :
PB159709BS

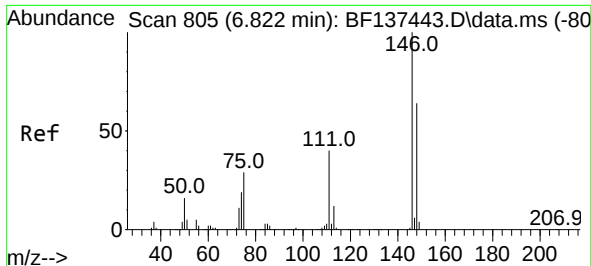
Tgt Ion: 93 Resp: 649141
Ion Ratio Lower Upper
93 100
63 76.3 58.9 98.9
95 32.7 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 44.197 ng
RT: 6.669 min Scan# 779
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion: 146 Resp: 648328
Ion Ratio Lower Upper
146 100
148 64.8 50.3 75.5
75 31.2 29.0 43.4





#13

1,4-Dichlorobenzene

Concen: 44.535 ng

RT: 6.745 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

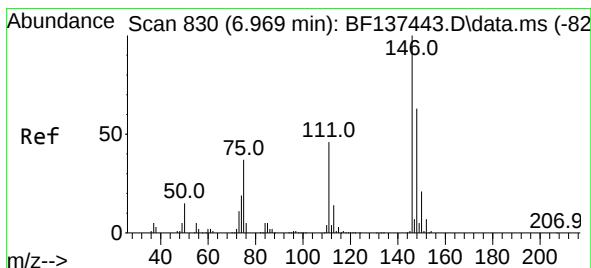
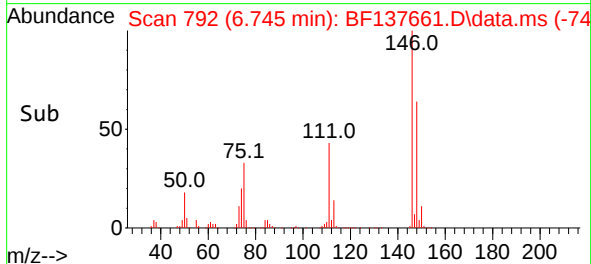
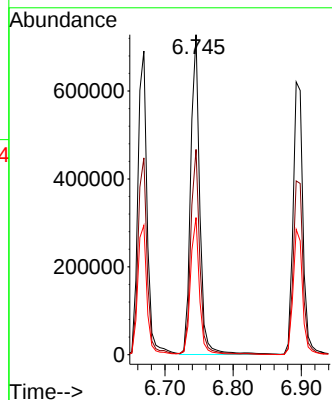
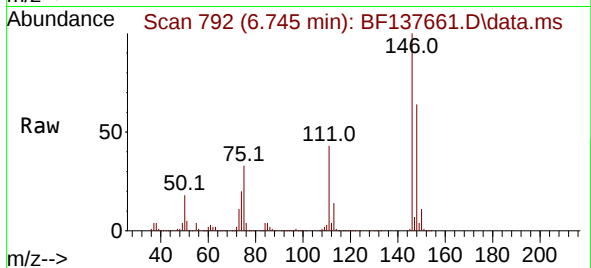
Tgt Ion:146 Resp: 668423

Ion Ratio Lower Upper

146 100

148 64.2 51.2 76.8

111 42.8 32.4 48.6



#14

1,2-Dichlorobenzene

Concen: 44.844 ng

RT: 6.892 min Scan# 817

Delta R.T. -0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

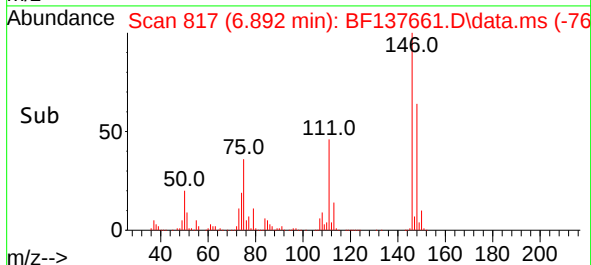
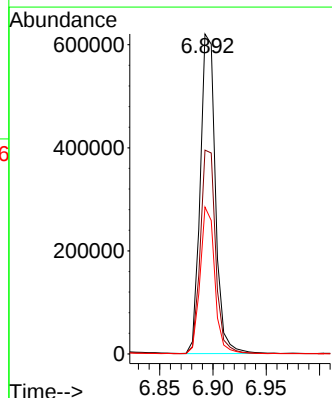
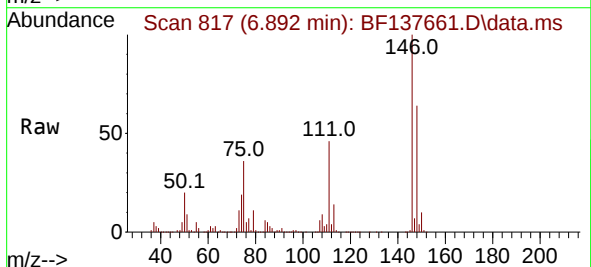
Tgt Ion:146 Resp: 617767

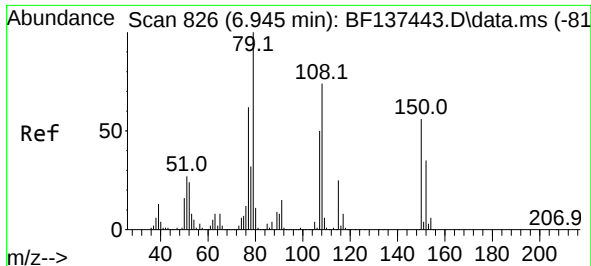
Ion Ratio Lower Upper

146 100

148 63.7 50.0 75.0

111 45.9 36.8 55.2

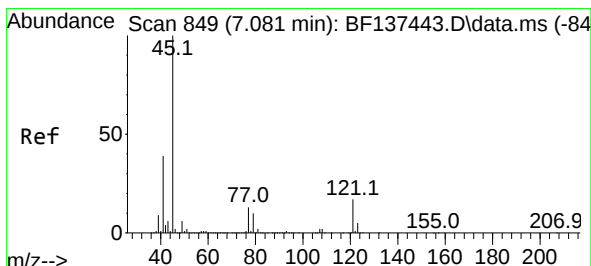
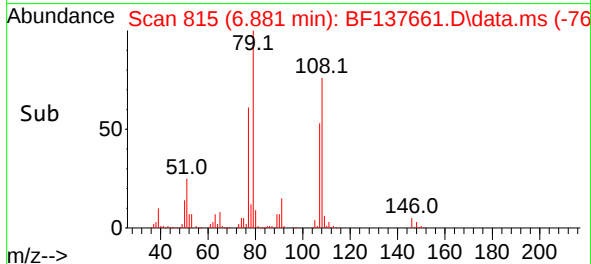
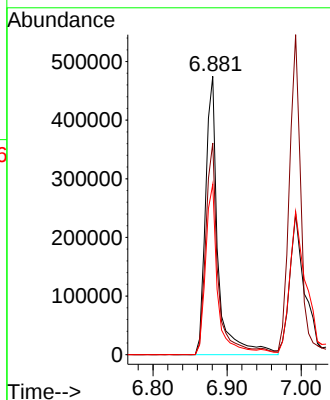
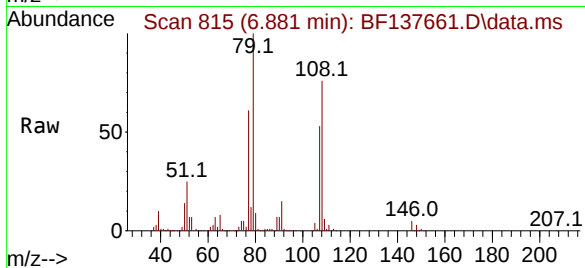




#15
Benzyl Alcohol
Concen: 47.581 ng
RT: 6.881 min Scan# 815
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

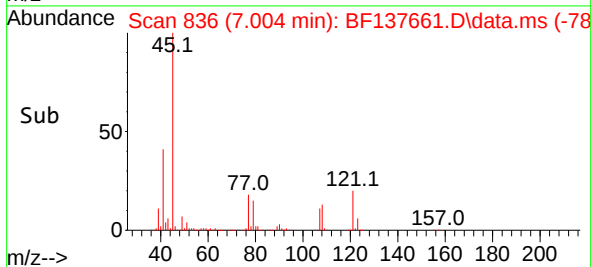
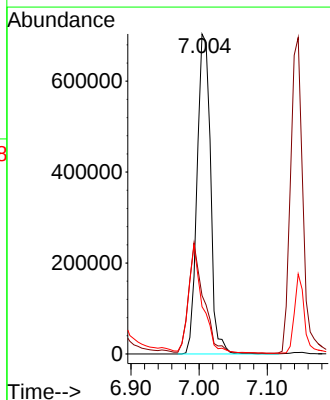
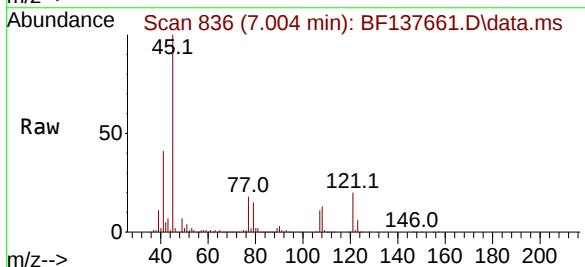
Instrument :
BNA_F
ClientSampleId :
PB159709BS

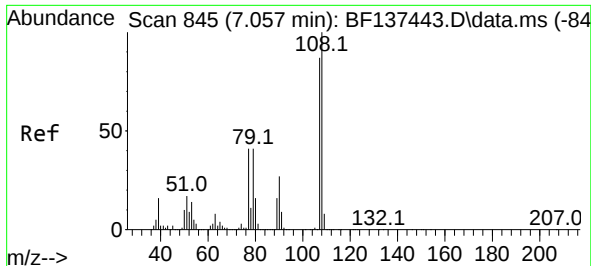
Tgt Ion: 79 Resp: 556506
Ion Ratio Lower Upper
79 100
108 76.0 59.5 89.3
77 61.2 50.0 75.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.790 ng
RT: 7.004 min Scan# 836
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion: 45 Resp: 962561
Ion Ratio Lower Upper
45 100
77 18.3 0.0 33.4
79 14.7 0.0 30.9

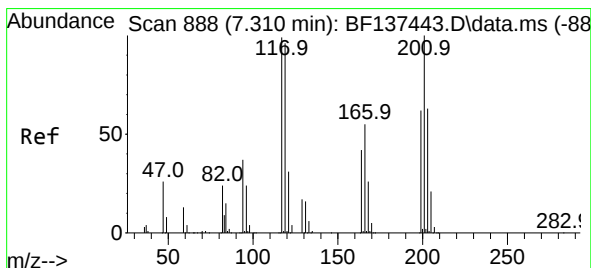
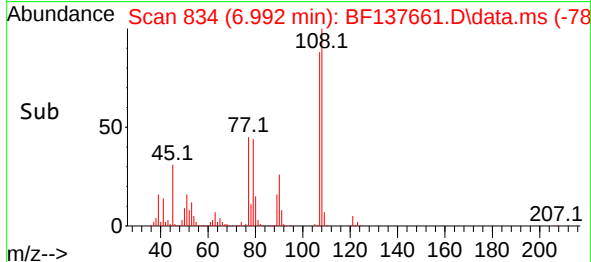
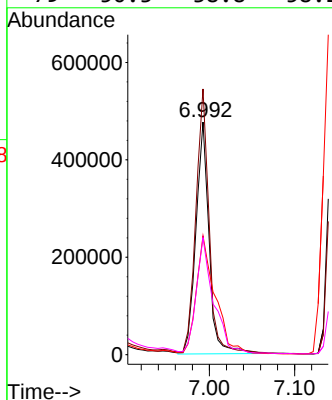
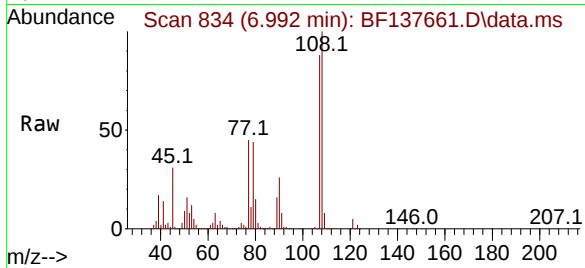




#17
2-Methylphenol
Concen: 39.924 ng
RT: 6.992 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

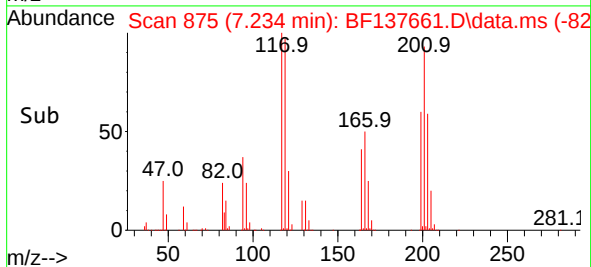
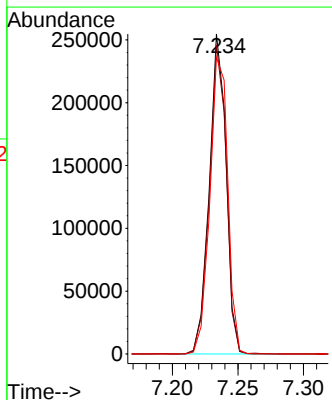
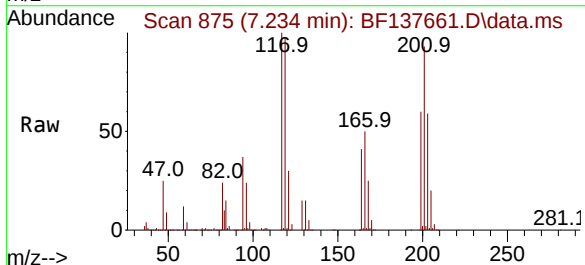
Instrument :
BNA_F
ClientSampleId :
PB159709BS

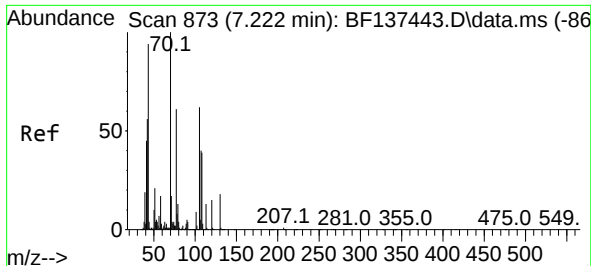
Tgt Ion:	107	Resp:	512836
Ion	Ratio	Lower	Upper
107	100		
108	114.3	92.2	138.4
77	51.1	38.6	57.8
79	50.3	38.8	58.2



#18
Hexachloroethane
Concen: 46.199 ng
RT: 7.234 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:	117	Resp:	228315
Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.5	116.3
201	92.7	80.6	121.0

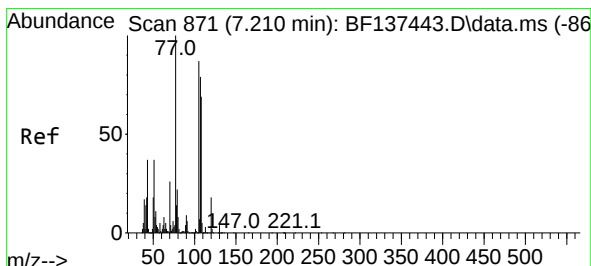
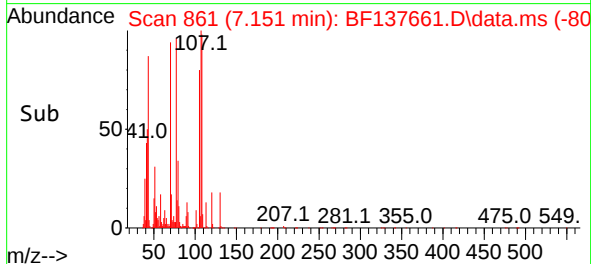
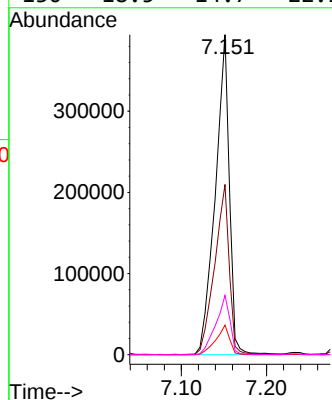
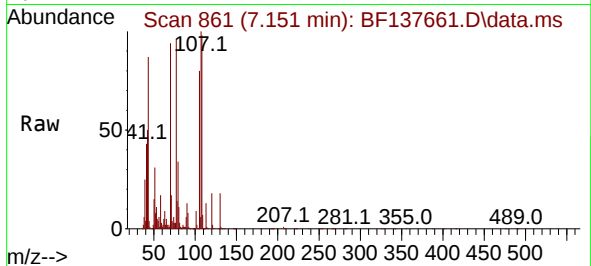




#19
n-Nitroso-di-n-propylamine
Concen: 38.975 ng
RT: 7.151 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

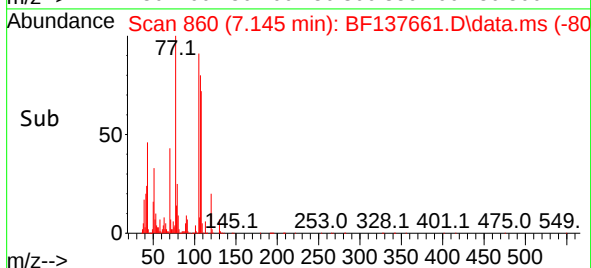
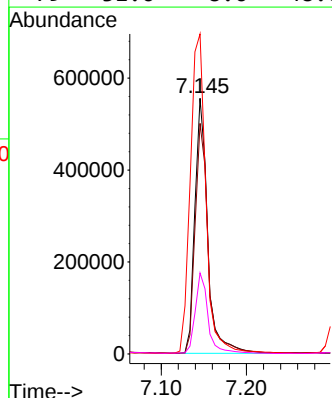
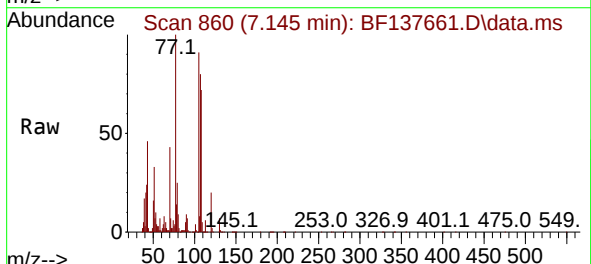
Instrument :
BNA_F
ClientSampleId :
PB159709BS

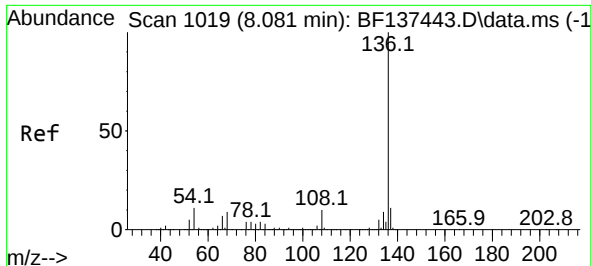
Tgt Ion:	70	Resp:	452160
Ion	Ratio	Lower	Upper
70	100		
42	53.2	45.2	67.8
101	9.2	7.3	10.9
130	18.5	14.7	22.1



#20
3+4-Methylphenols
Concen: 39.407 ng
RT: 7.145 min Scan# 860
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:	107	Resp:	579737
Ion	Ratio	Lower	Upper
107	100		
108	90.2	67.6	107.6
77	125.2	107.1	147.1
79	31.6	8.6	48.6

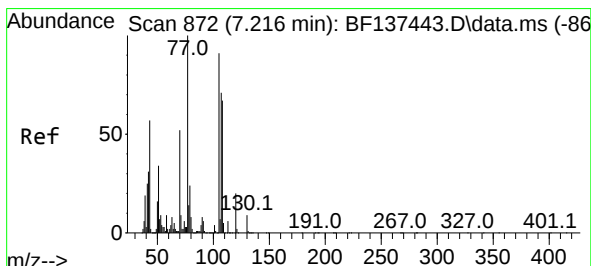
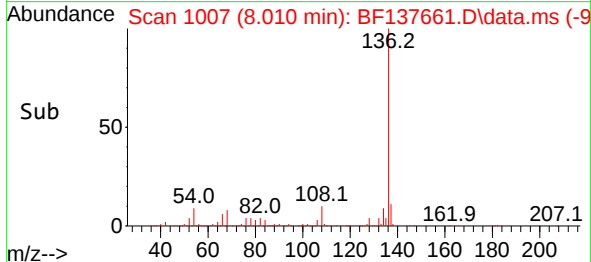
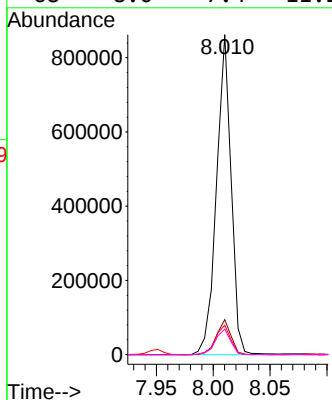
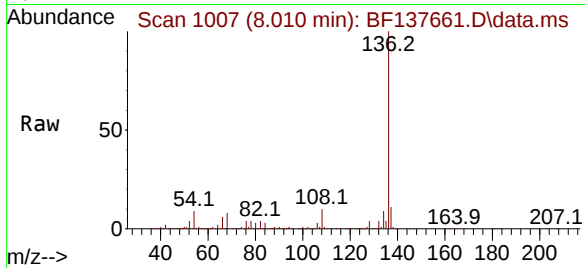




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

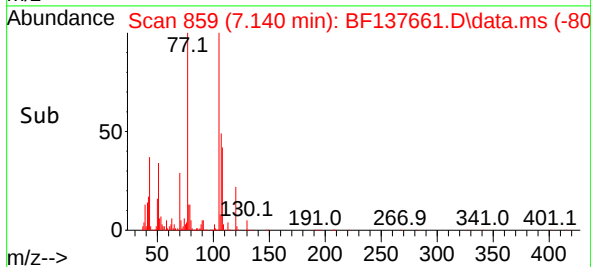
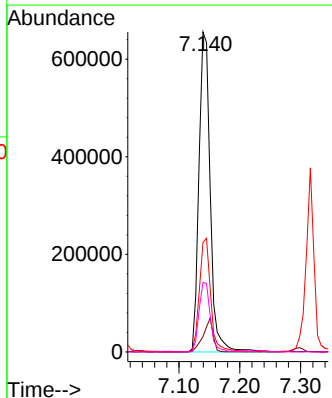
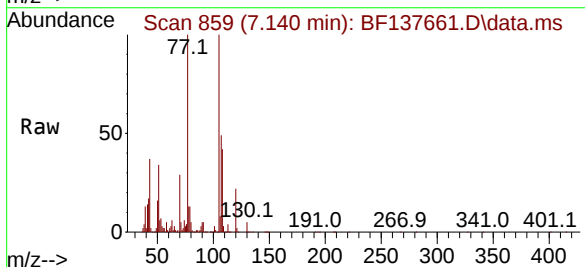
Instrument :
BNA_F
ClientSampleId :
PB159709BS

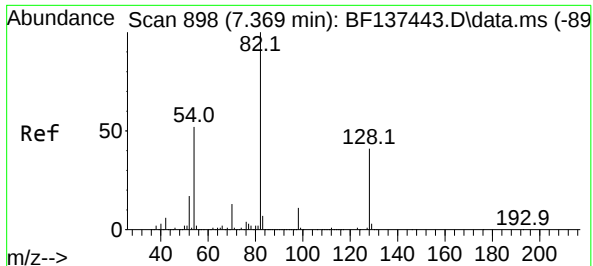
Tgt Ion:136 Resp: 774609
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 9.2 8.5 12.7
68 8.0 7.4 11.2



#22
Acetophenone
Concen: 45.273 ng
RT: 7.140 min Scan# 859
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:105 Resp: 848504
Ion Ratio Lower Upper
105 100
71 4.8 7.7 11.5#
51 34.2 30.4 45.6
120 21.8 17.4 26.0





#23

Nitrobenzene-d5

Concen: 81.824 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.000 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

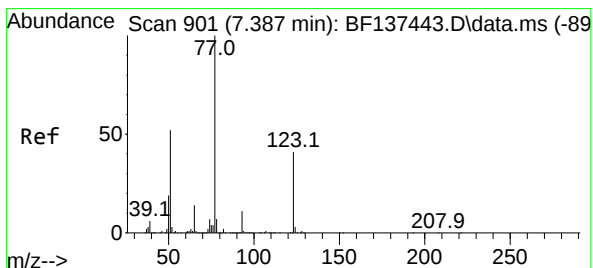
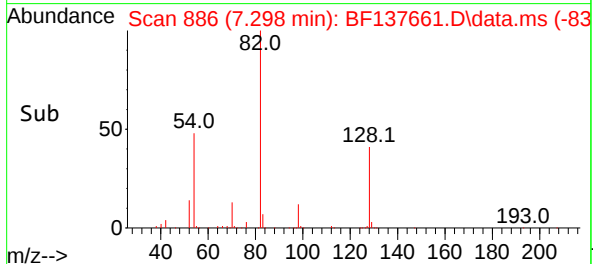
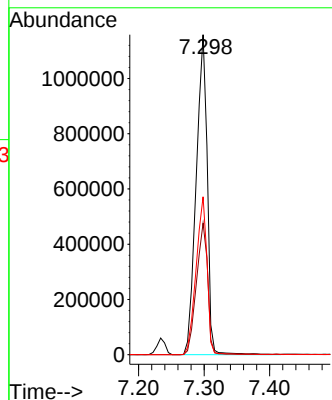
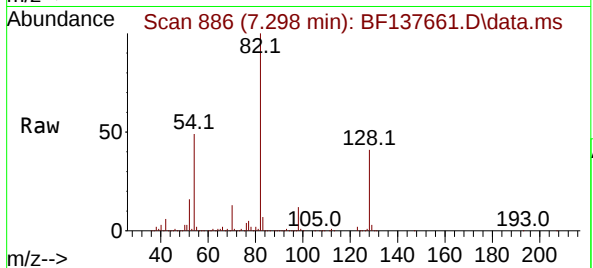
Tgt Ion: 82 Resp: 1364093

Ion Ratio Lower Upper

82 100

128 41.1 32.5 48.7

54 49.3 41.5 62.3



#24

Nitrobenzene

Concen: 42.074 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.000 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

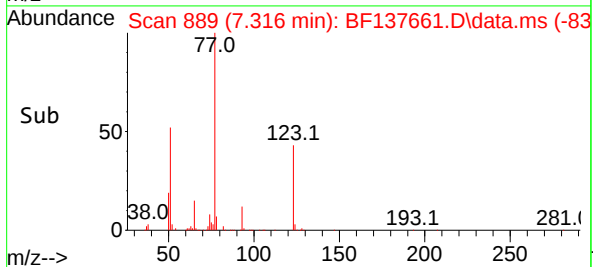
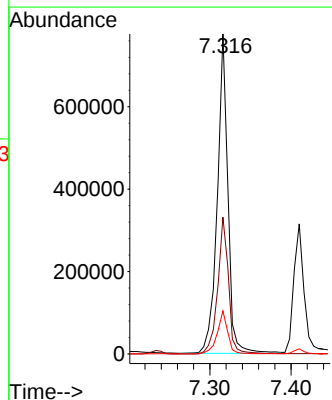
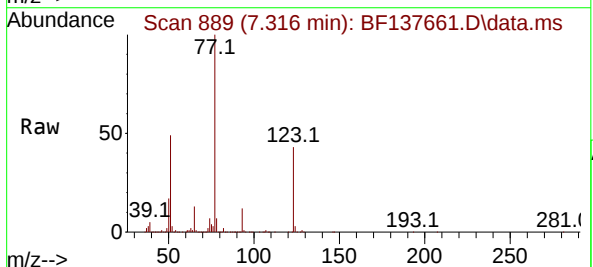
Tgt Ion: 77 Resp: 704615

Ion Ratio Lower Upper

77 100

123 42.8 33.0 49.6

65 13.4 10.9 16.3

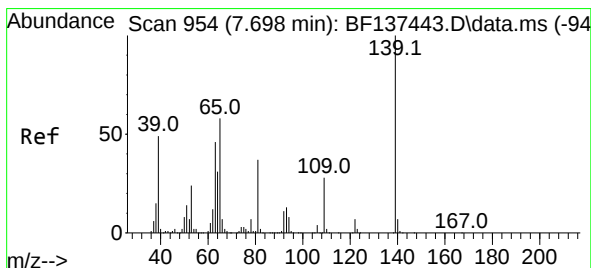
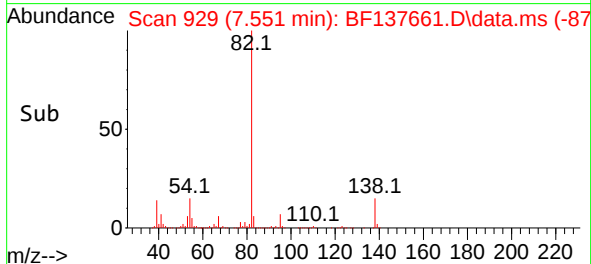
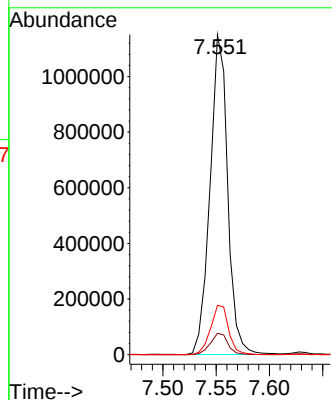
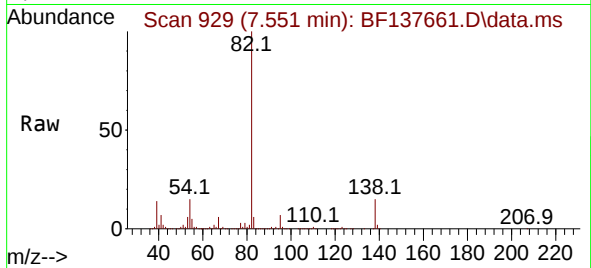




#25
Isophorone
Concen: 41.827 ng
RT: 7.551 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

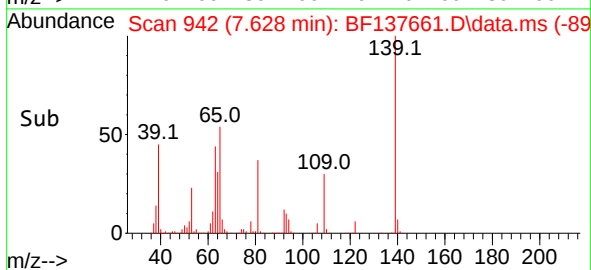
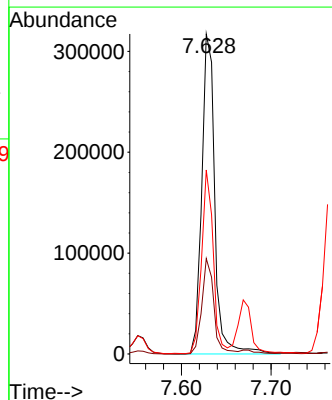
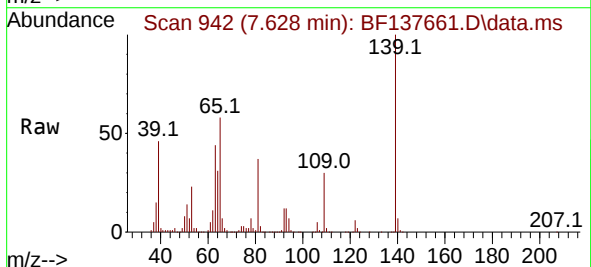
Instrument :
BNA_F
ClientSampleId :
PB159709BS

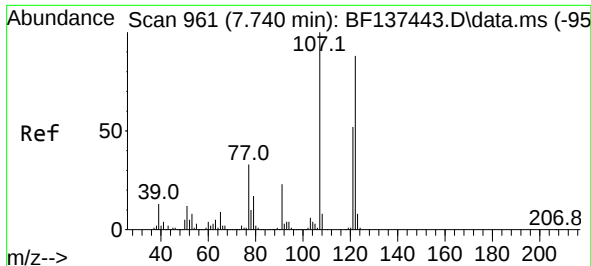
Tgt Ion: 82 Resp: 1324744
Ion Ratio Lower Upper
82 100
95 6.7 5.1 7.7
138 15.4 11.8 17.8



#26
2-Nitrophenol
Concen: 48.166 ng
RT: 7.628 min Scan# 942
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:139 Resp: 320246
Ion Ratio Lower Upper
139 100
109 29.8 22.2 33.4
65 57.5 46.2 69.2

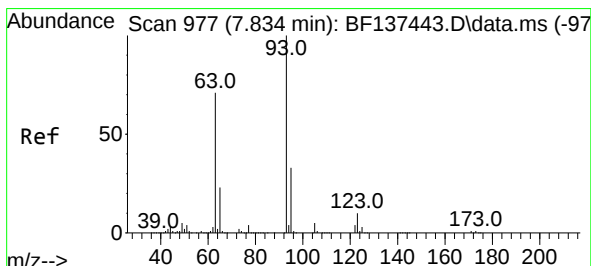
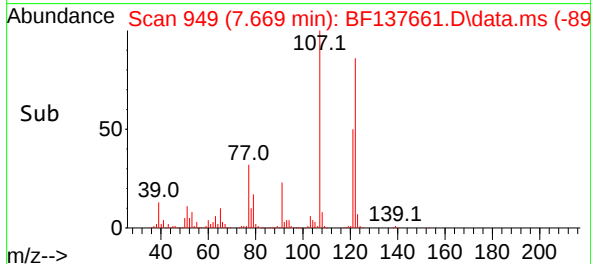
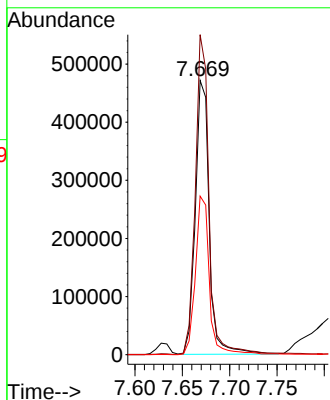
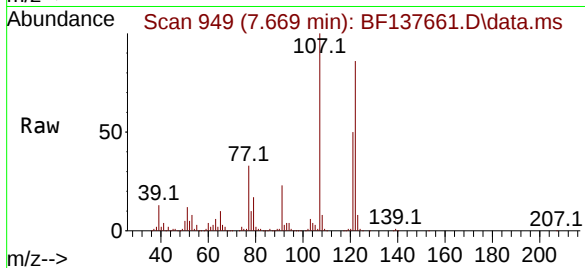




#27
2,4-Dimethylphenol
Concen: 38.765 ng
RT: 7.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

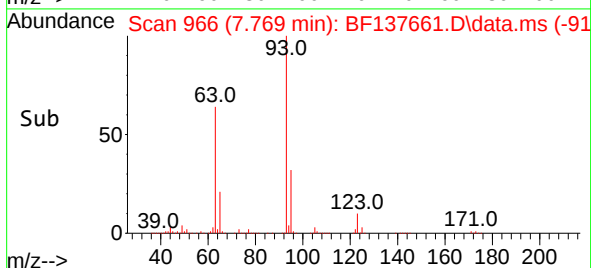
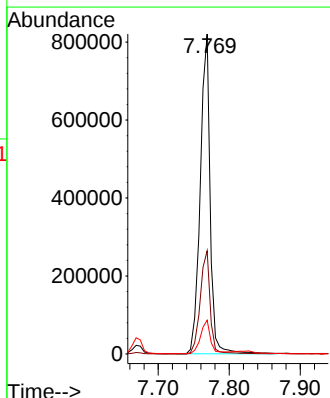
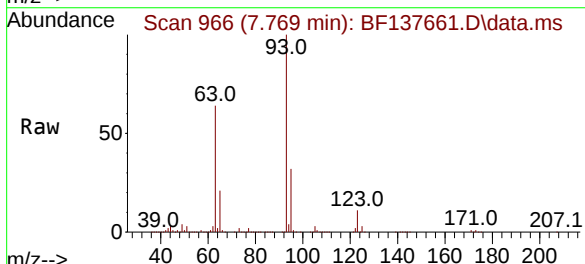
Instrument :
BNA_F
ClientSampleId :
PB159709BS

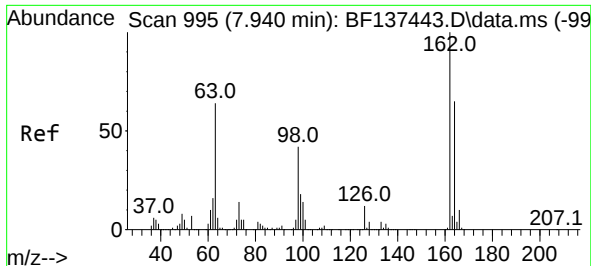
Tgt Ion:122 Resp: 481594
Ion Ratio Lower Upper
122 100
107 116.7 90.9 136.3
121 57.8 47.0 70.6



#28
bis(2-Chloroethoxy)methane
Concen: 42.851 ng
RT: 7.769 min Scan# 966
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion: 93 Resp: 796298
Ion Ratio Lower Upper
93 100
95 32.2 26.5 39.7
123 10.6 8.0 12.0

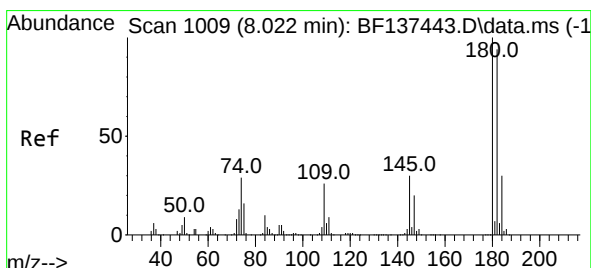
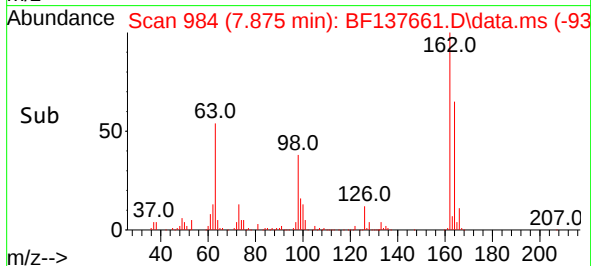
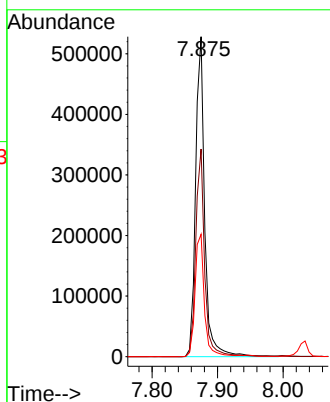
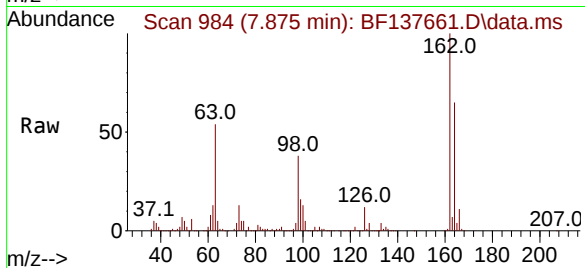




#29
2,4-Dichlorophenol
Concen: 44.882 ng
RT: 7.875 min Scan# 995
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

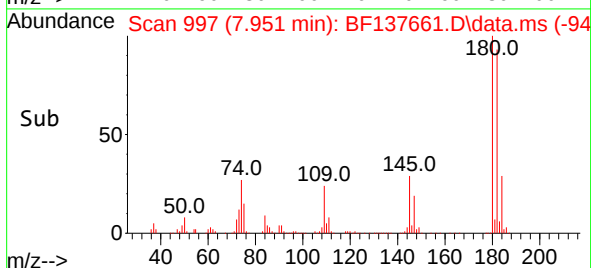
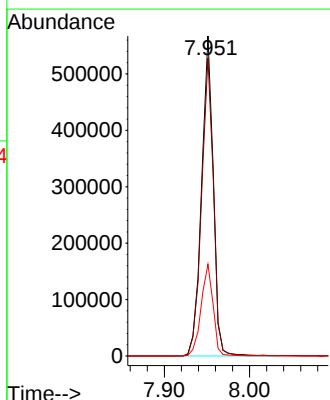
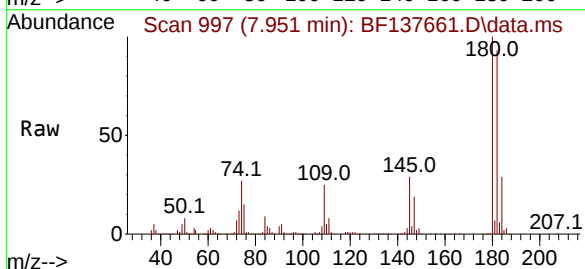
Instrument :
BNA_F
ClientSampleId :
PB159709BS

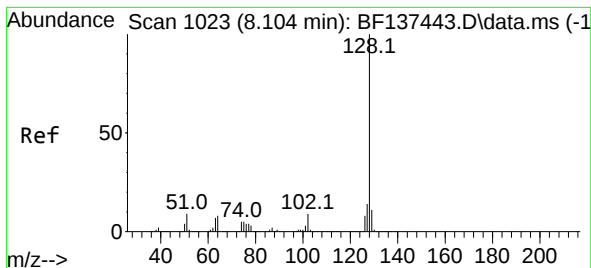
Tgt Ion:162 Resp: 511750
Ion Ratio Lower Upper
162 100
164 64.9 44.7 84.7
98 38.2 22.0 62.0



#30
1,2,4-Trichlorobenzene
Concen: 45.241 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:180 Resp: 542832
Ion Ratio Lower Upper
180 100
182 93.1 75.0 112.6
145 28.7 23.7 35.5





#31

Naphthalene

Concen: 41.460 ng

RT: 8.034 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

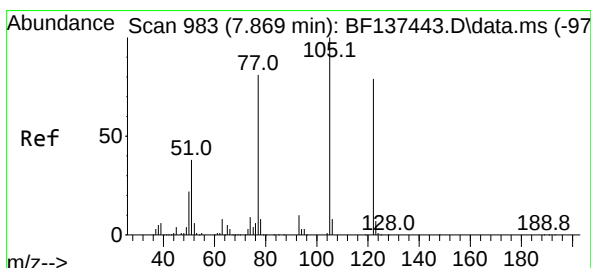
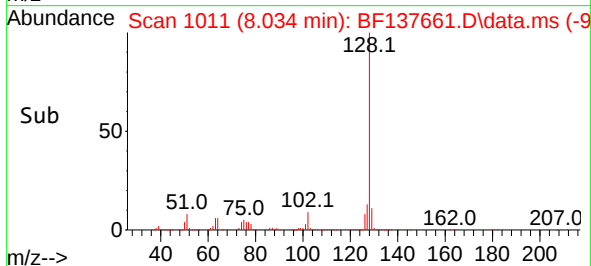
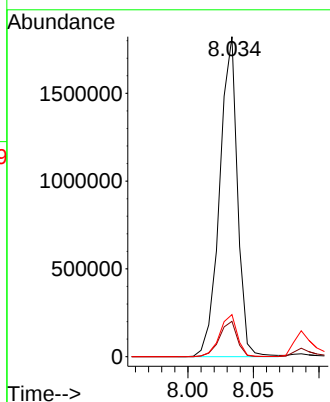
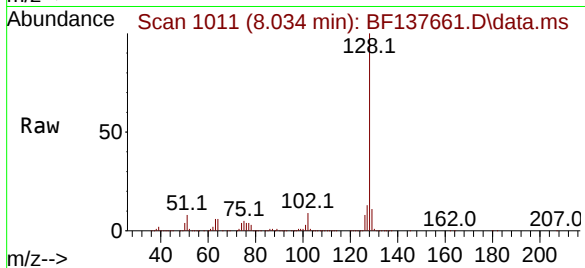
Tgt Ion:128 Resp: 1723120

Ion Ratio Lower Upper

128 100

129 11.1 9.2 13.8

127 13.2 10.8 16.2



#32

Benzoic acid

Concen: 39.408 ng

RT: 7.828 min Scan# 976

Delta R.T. 0.029 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

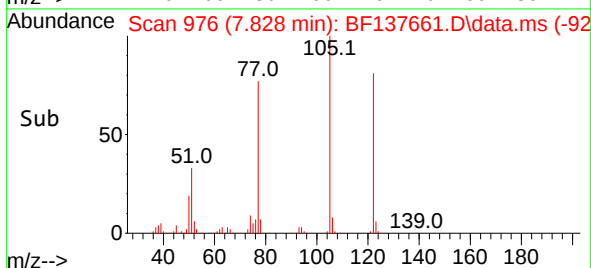
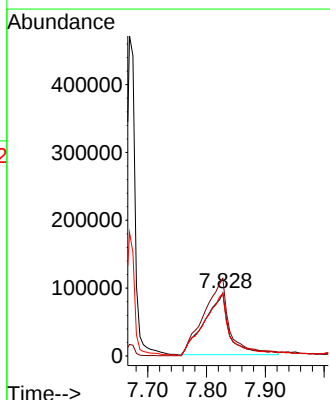
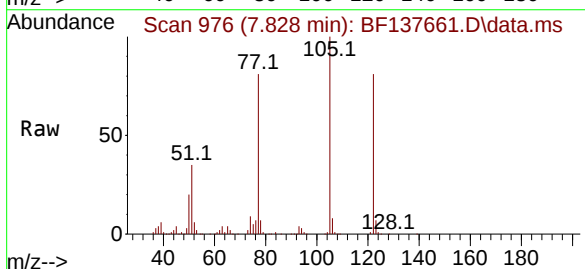
Tgt Ion:122 Resp: 272659

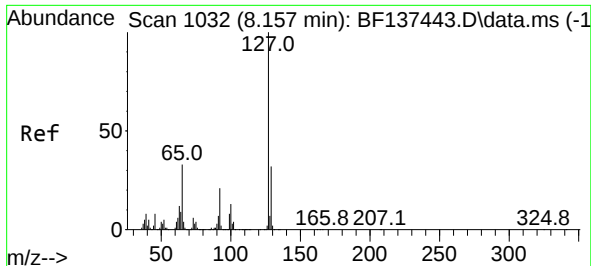
Ion Ratio Lower Upper

122 100

105 123.2 102.4 142.4

77 99.4 81.1 121.1

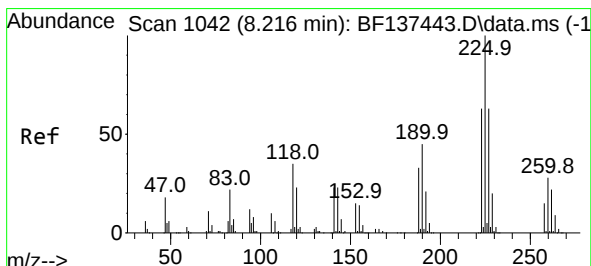
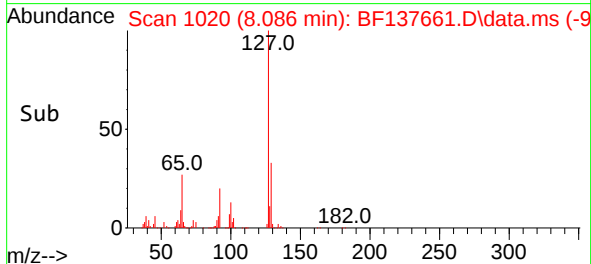
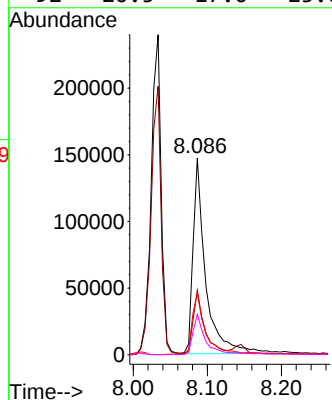
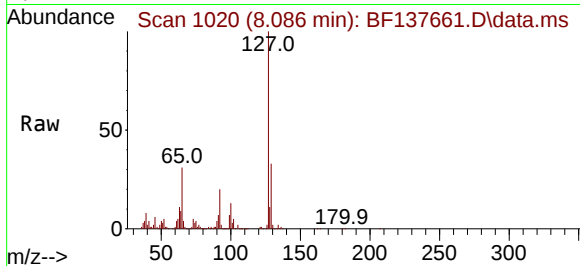




#33
4-Chloroaniline
Concen: 10.686 ng
RT: 8.086 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

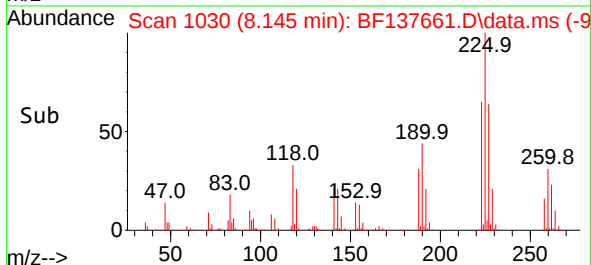
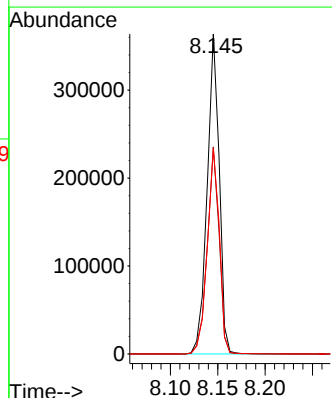
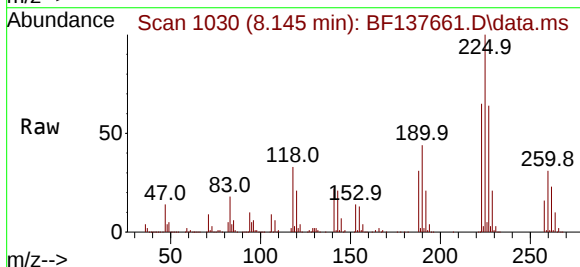
Instrument :
BNA_F
ClientSampleId :
PB159709BS

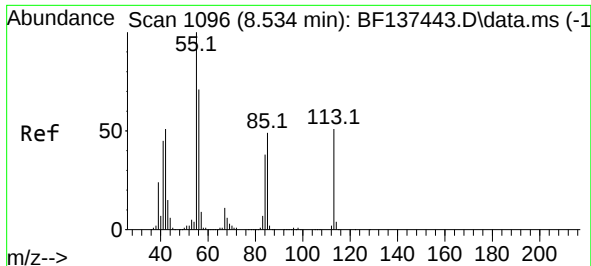
Tgt Ion:127	Resp:	174146	
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.0	39.0
65	31.3	26.8	40.2
92	20.5	17.0	25.6



#34
Hexachlorobutadiene
Concen: 45.485 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt	Ion:225	Resp:	322204
Ion	Ratio	Lower	Upper
225	100		
223	64.7	50.7	76.1
227	64.4	50.6	75.8

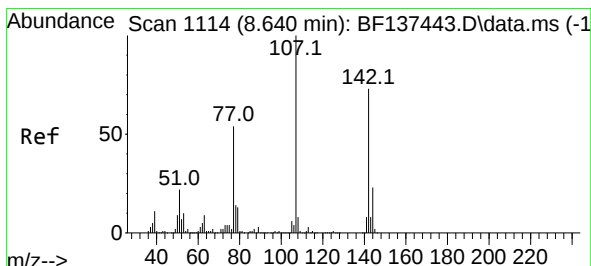
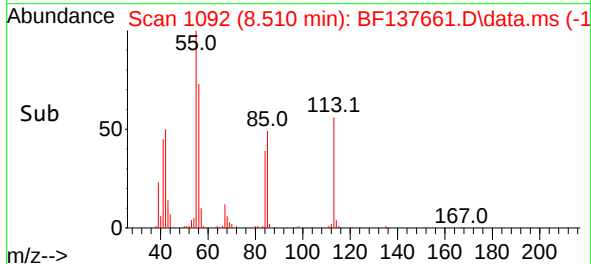
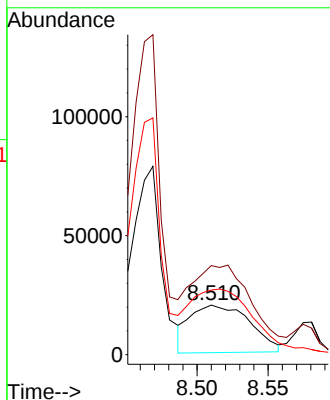
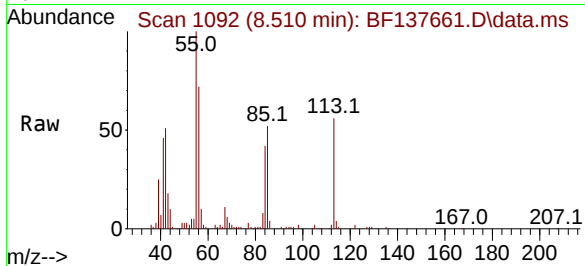




#35
 Caprolactam
 Concen: 15.152 ng
 RT: 8.510 min Scan# 1104
 Delta R.T. 0.053 min
 Lab File: BF137661.D
 Acq: 21 Mar 2024 15:21

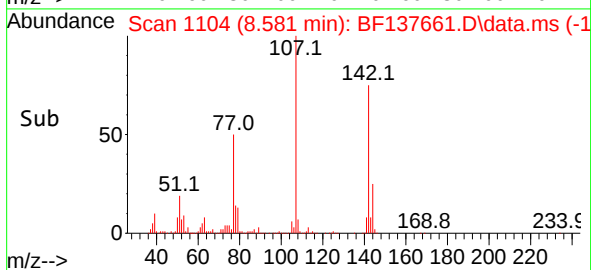
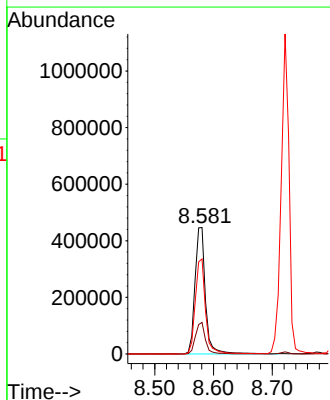
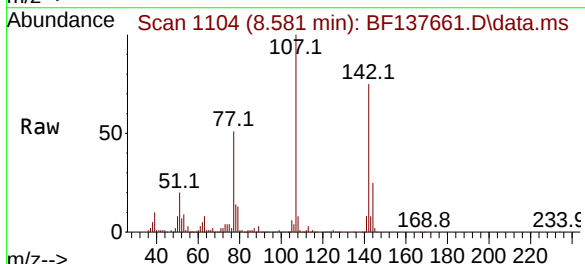
Instrument :
 BNA_F
 ClientSampleId :
 PB159709BS

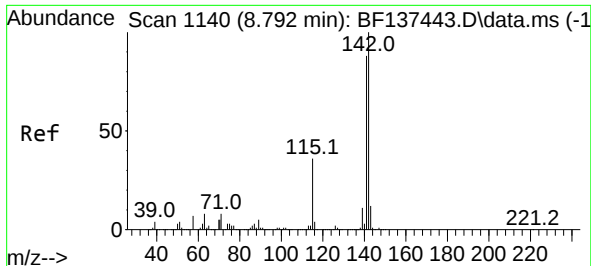
Tgt Ion:113 Resp: 58583
 Ion Ratio Lower Upper
 113 100
 55 179.9 176.7 216.7
 56 130.4 120.6 160.6



#36
 4-Chloro-3-methylphenol
 Concen: 43.323 ng
 RT: 8.581 min Scan# 1104
 Delta R.T. 0.012 min
 Lab File: BF137661.D
 Acq: 21 Mar 2024 15:21

Tgt Ion:107 Resp: 552153
 Ion Ratio Lower Upper
 107 100
 144 24.9 18.7 28.1
 142 75.1 58.2 87.2





#37

2-Methylnaphthalene

Concen: 39.639 ng

RT: 8.722 min Scan# 1140

Delta R.T. -0.000 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

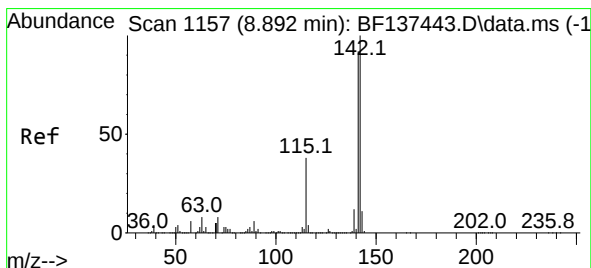
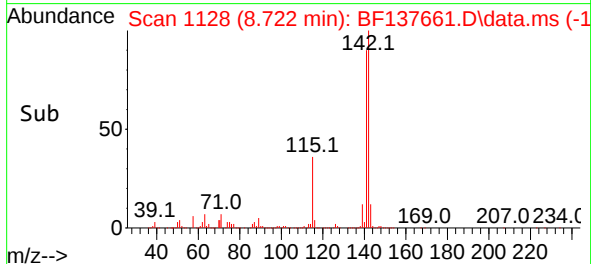
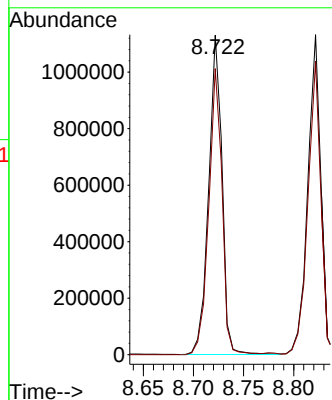
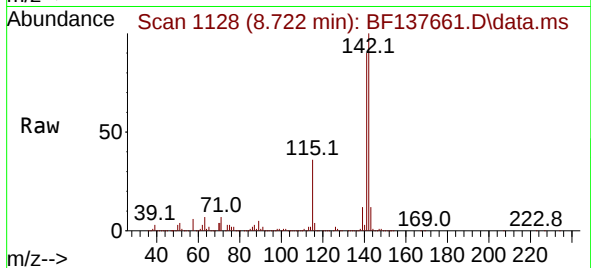
PB159709BS

Tgt Ion:142 Resp: 1050230

Ion Ratio Lower Upper

142 100

141 89.5 70.4 105.6



#38

1-Methylnaphthalene

Concen: 40.933 ng

RT: 8.822 min Scan# 1145

Delta R.T. -0.000 min

Lab File: BF137661.D

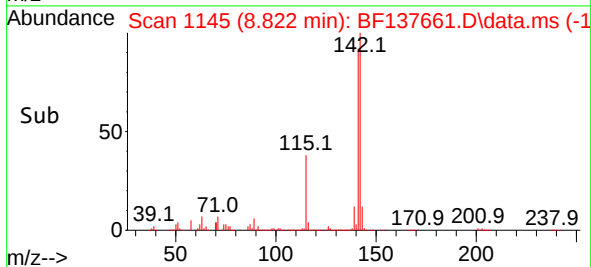
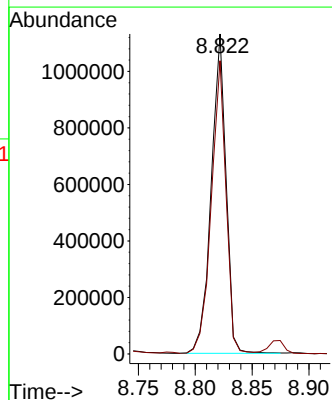
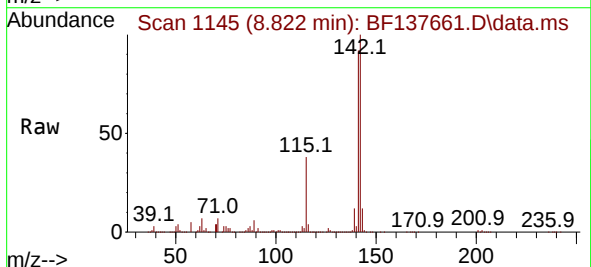
Acq: 21 Mar 2024 15:21

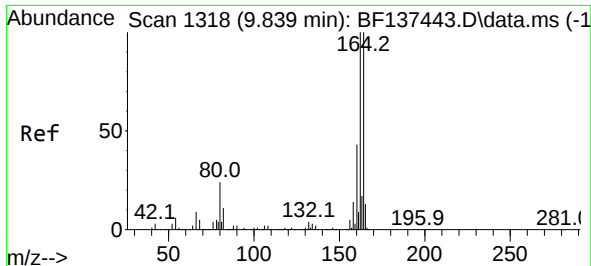
Tgt Ion:142 Resp: 1021319

Ion Ratio Lower Upper

142 100

141 91.6 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1156

Delta R.T. -0.000 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

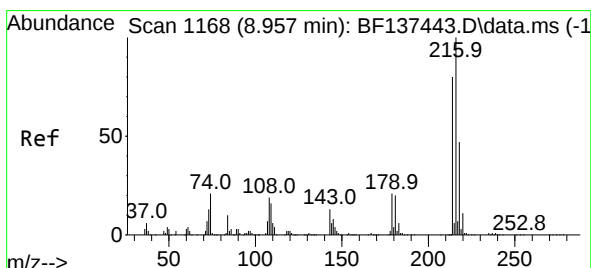
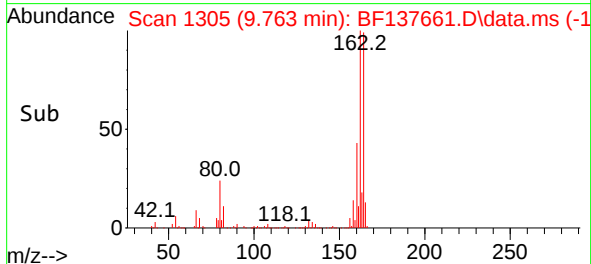
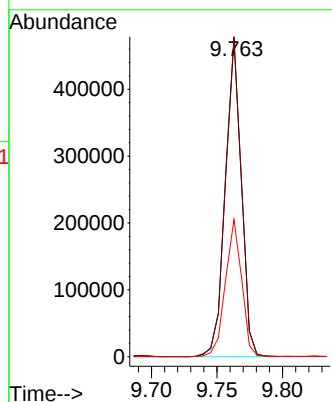
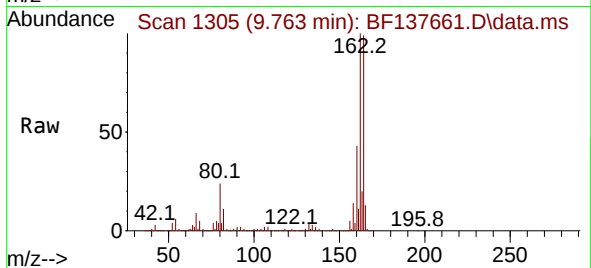
Tgt Ion:164 Resp: 401368

Ion Ratio Lower Upper

164 100

162 100.7 79.8 119.8

160 43.2 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.461 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.000 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Tgt Ion:216 Resp: 554219

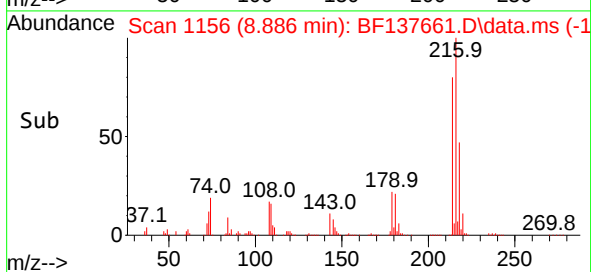
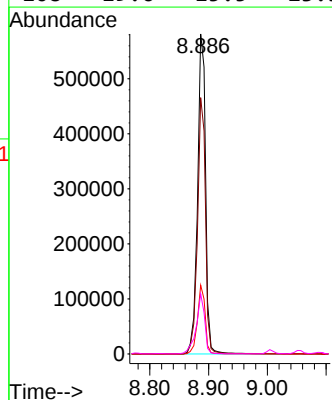
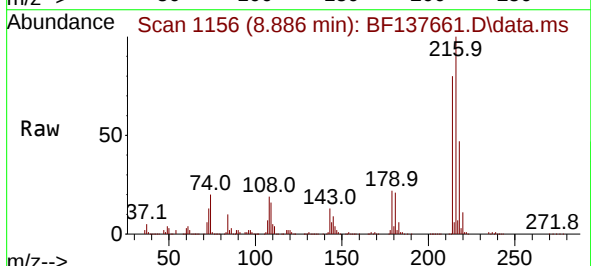
Ion Ratio Lower Upper

216 100

214 79.4 63.5 95.3

179 20.7 16.6 25.0

108 19.6 15.5 23.3

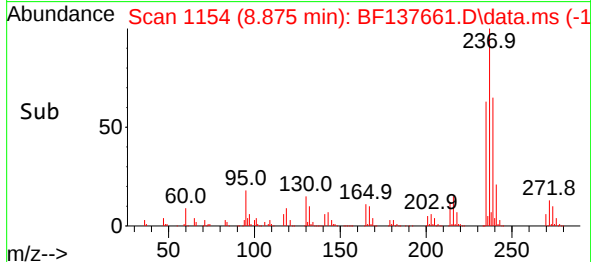
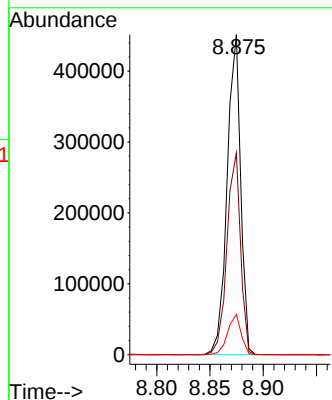
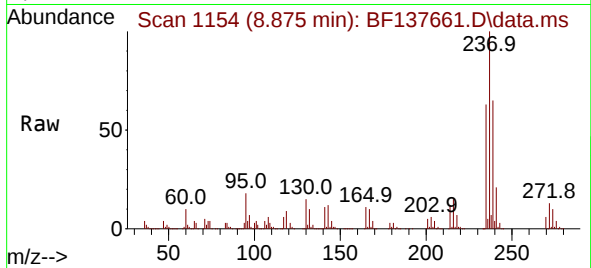




#41
Hexachlorocyclopentadiene
Concen: 86.169 ng
RT: 8.875 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

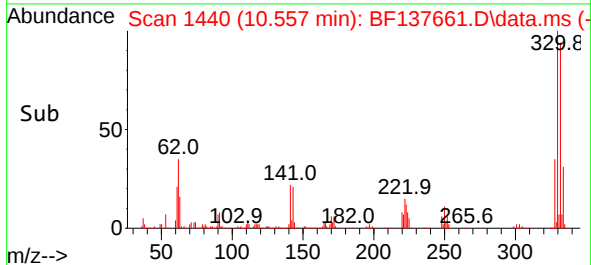
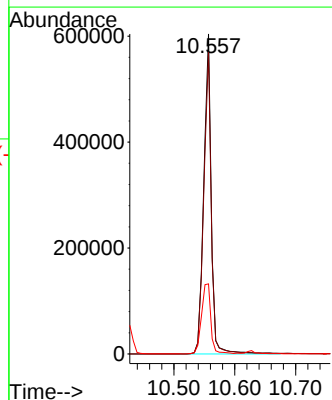
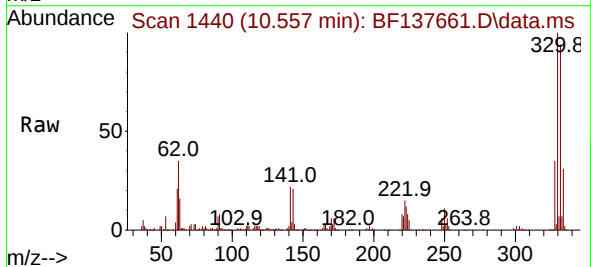
Instrument :
BNA_F
ClientSampleId :
PB159709BS

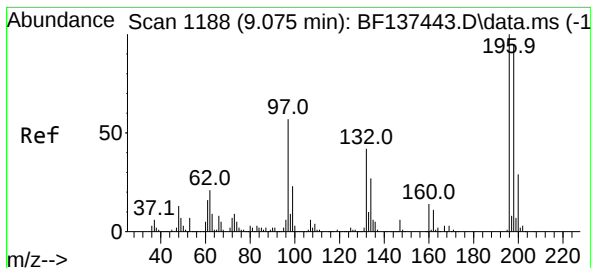
Tgt Ion:237 Resp: 397272
Ion Ratio Lower Upper
237 100
235 63.1 43.6 83.6
272 12.6 0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 145.597 ng
RT: 10.557 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:330 Resp: 513185
Ion Ratio Lower Upper
330 100
332 94.9 78.0 117.0
141 27.4 27.3 40.9





#43

2,4,6-Trichlorophenol

Concen: 47.031 ng

RT: 9.004 min Scan# 1188

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

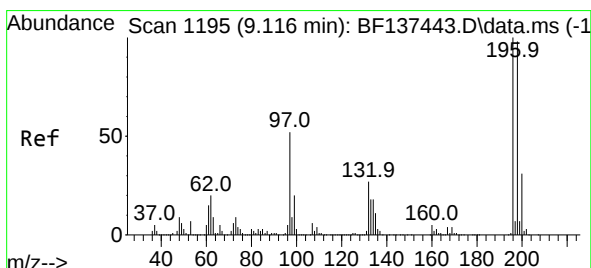
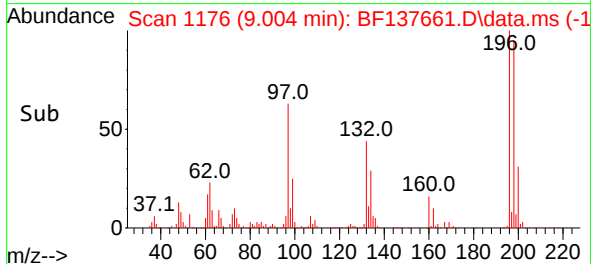
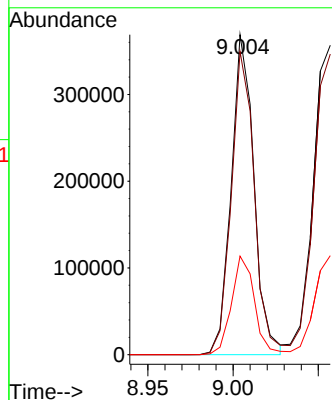
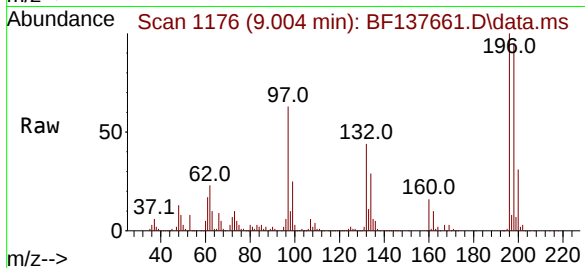
Tgt Ion:196 Resp: 343177

Ion Ratio Lower Upper

196 100

198 94.8 75.8 113.8

200 30.8 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 42.698 ng

RT: 9.057 min Scan# 1185

Delta R.T. 0.018 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Tgt Ion:196 Resp: 358903

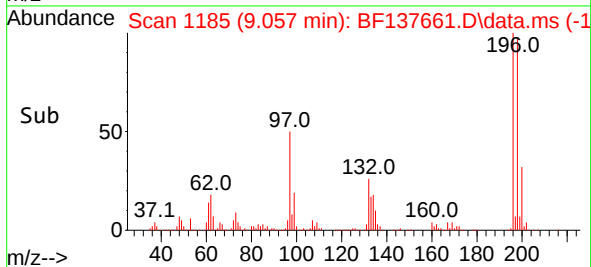
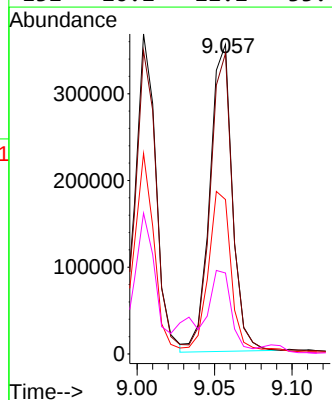
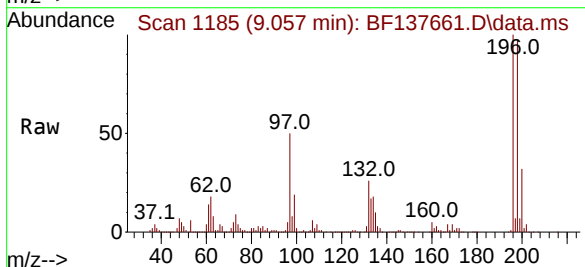
Ion Ratio Lower Upper

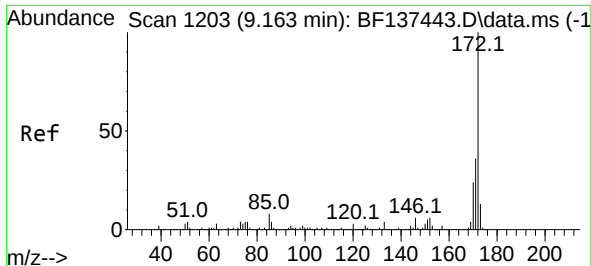
196 100

198 97.2 78.6 117.8

97 49.9 41.8 62.8

132 26.2 22.2 33.4





#45

2-Fluorobiphenyl

Concen: 85.846 ng

RT: 9.092 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

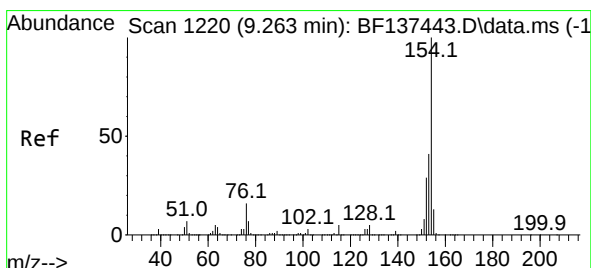
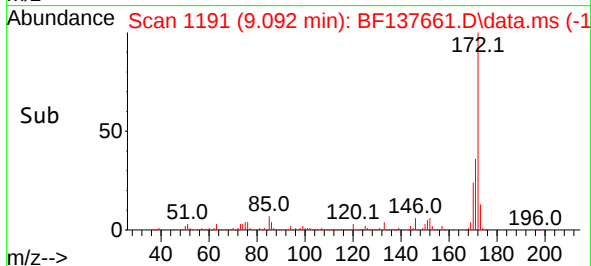
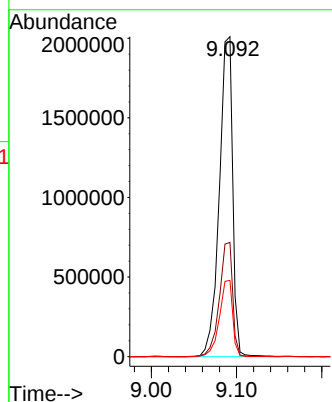
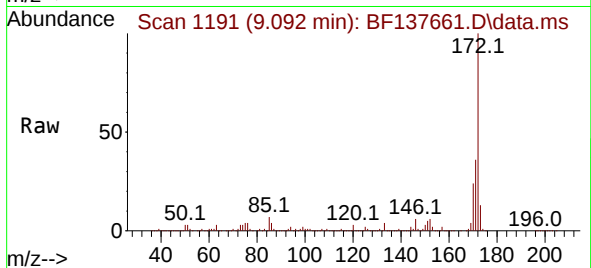
Tgt Ion:172 Resp: 2201149

Ion Ratio Lower Upper

172 100

171 35.7 28.5 42.7

170 23.9 19.0 28.6



#46

1,1'-Biphenyl

Concen: 46.062 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

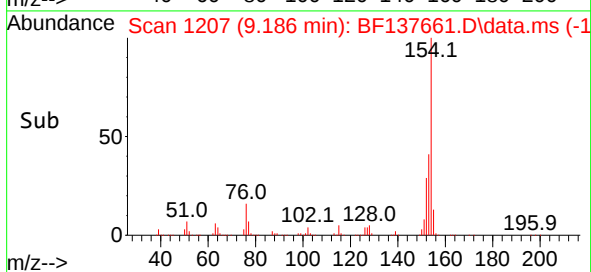
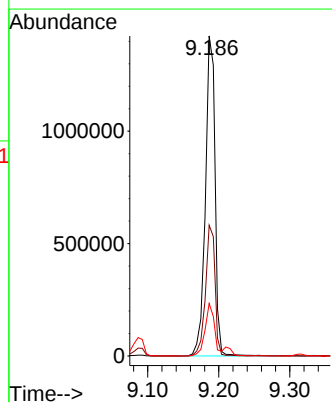
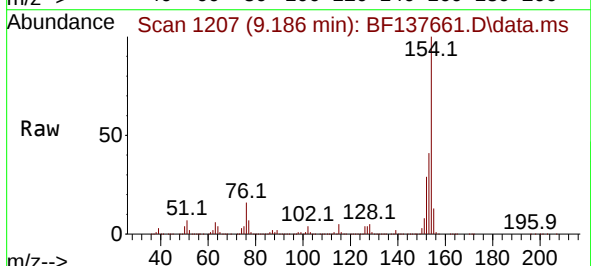
Tgt Ion:154 Resp: 1353136

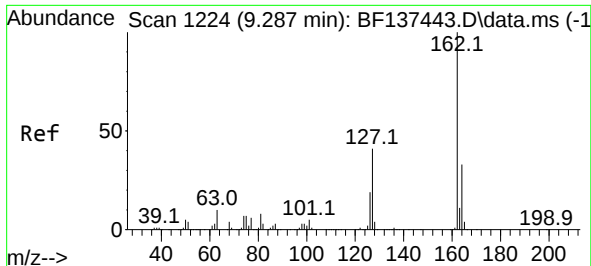
Ion Ratio Lower Upper

154 100

153 40.8 21.0 61.0

76 16.4 0.0 35.8





#47

2-Chloronaphthalene

Concen: 46.789 ng

RT: 9.216 min Scan# 1212

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

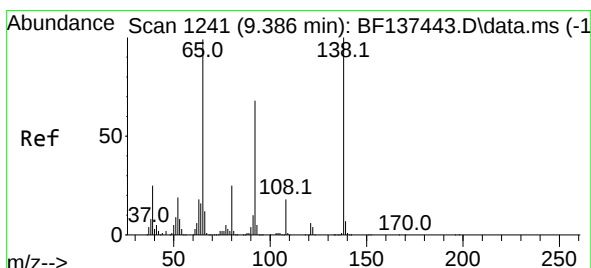
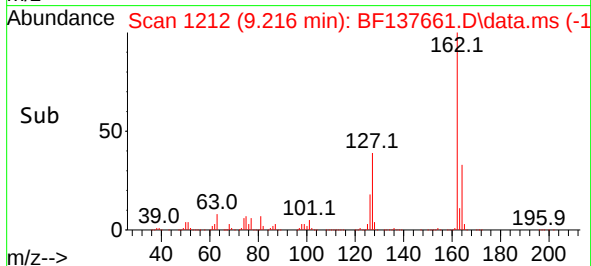
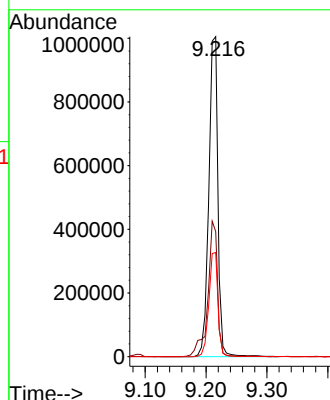
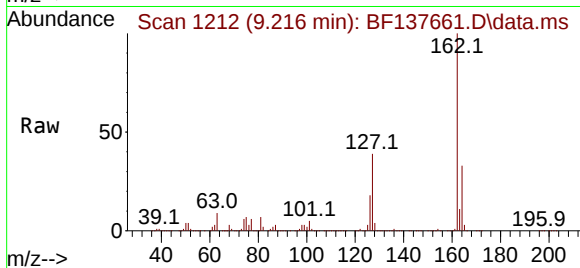
Tgt Ion:162 Resp: 1047937

Ion Ratio Lower Upper

162 100

127 39.1 32.6 49.0

164 32.6 26.5 39.7



#48

2-Nitroaniline

Concen: 45.670 ng

RT: 9.316 min Scan# 1229

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

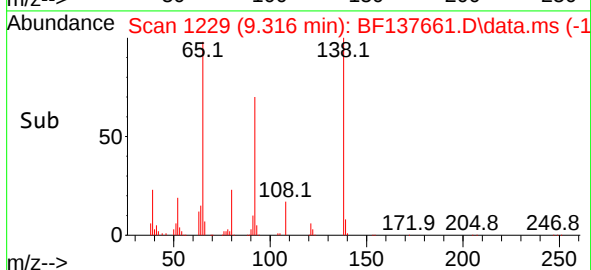
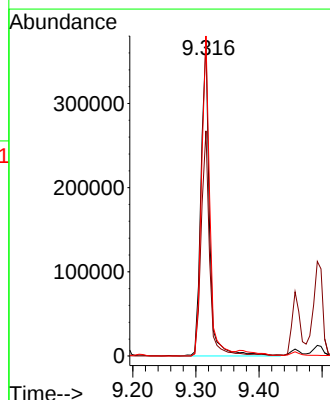
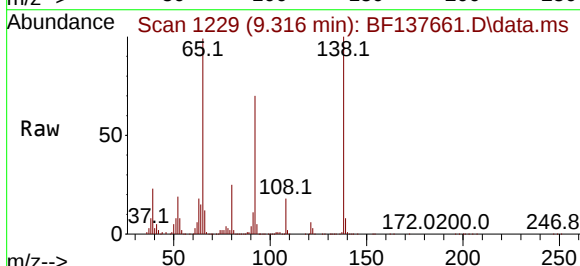
Tgt Ion: 65 Resp: 347669

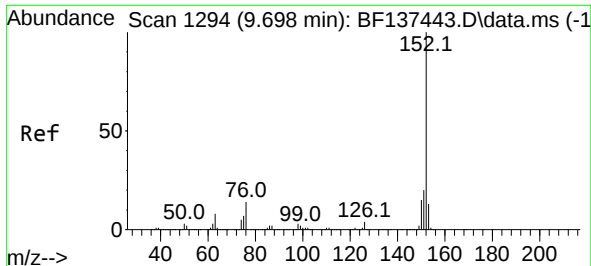
Ion Ratio Lower Upper

65 100

92 71.4 55.4 83.2

138 101.5 81.0 121.6





#49

Acenaphthylene

Concen: 44.914 ng

RT: 9.628 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

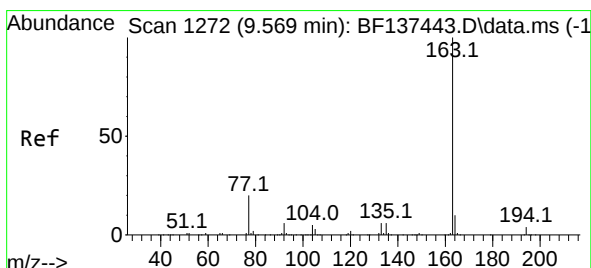
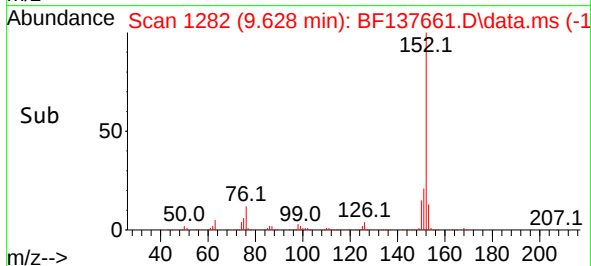
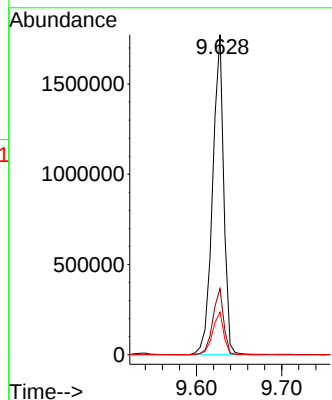
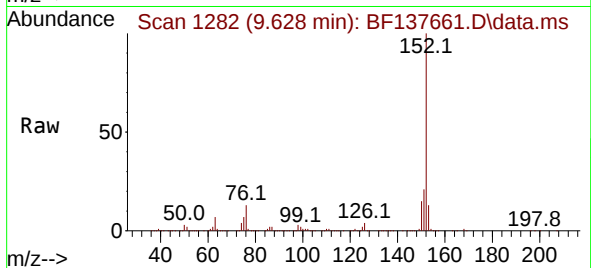
Tgt Ion:152 Resp: 1609877

Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.4

153 13.3 10.8 16.2



#50

Dimethylphthalate

Concen: 45.254 ng

RT: 9.498 min Scan# 1260

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

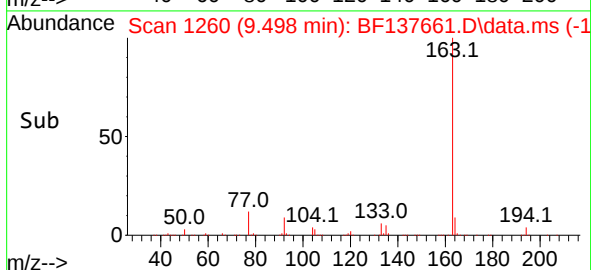
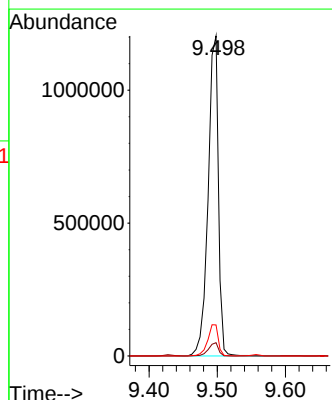
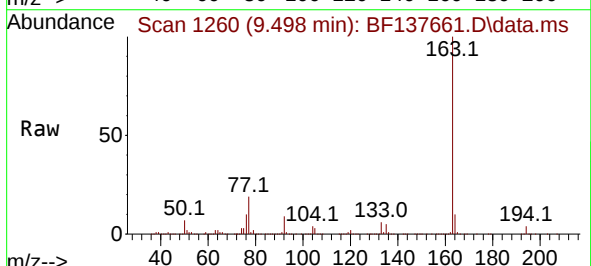
Tgt Ion:163 Resp: 1264391

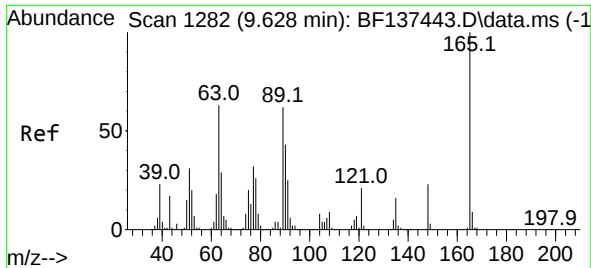
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 9.7 8.1 12.1

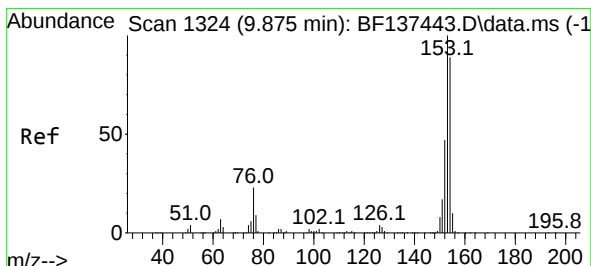
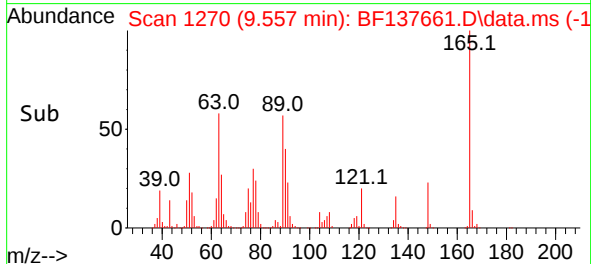
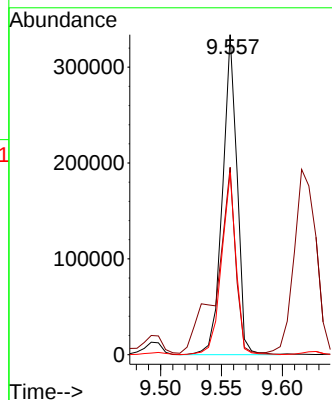
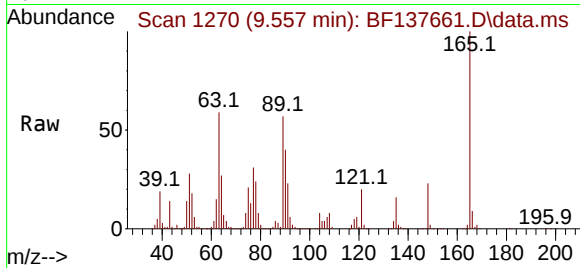




#51
2,6-Dinitrotoluene
Concen: 47.577 ng
RT: 9.557 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

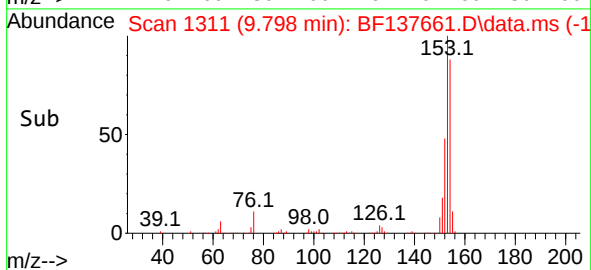
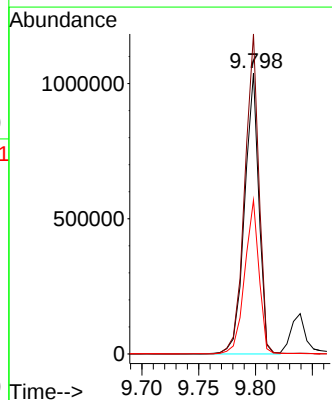
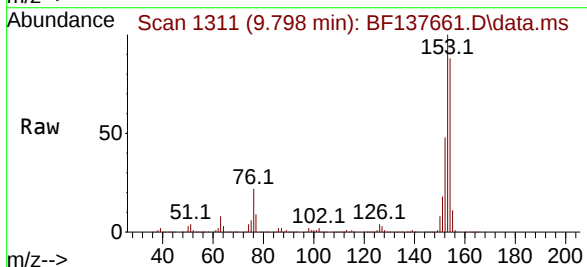
Instrument :
BNA_F
ClientSampleId :
PB159709BS

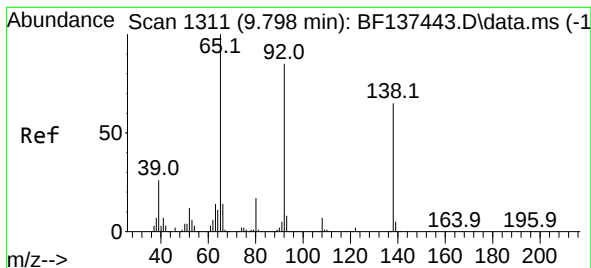
Tgt Ion:165 Resp: 278037
Ion Ratio Lower Upper
165 100
63 58.5 50.7 76.1
89 56.9 50.0 75.0



#52
Acenaphthene
Concen: 42.640 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:154 Resp: 912440
Ion Ratio Lower Upper
154 100
153 113.9 90.3 135.5
152 54.7 42.7 64.1





#53

3-Nitroaniline

Concen: 21.980 ng

RT: 9.728 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

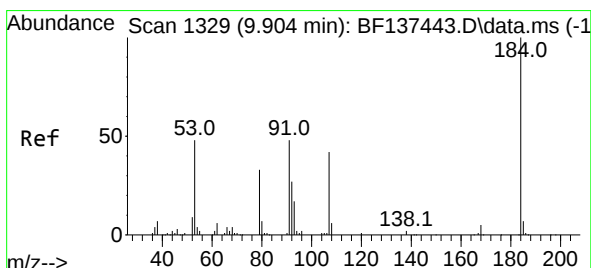
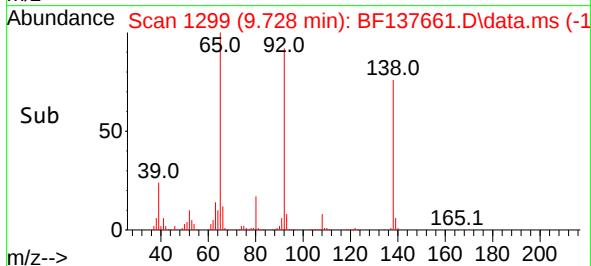
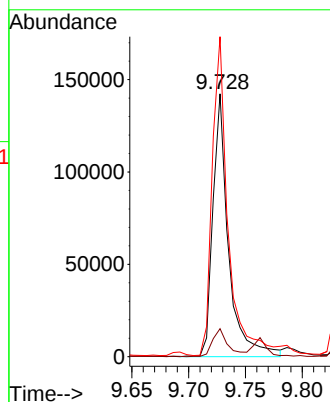
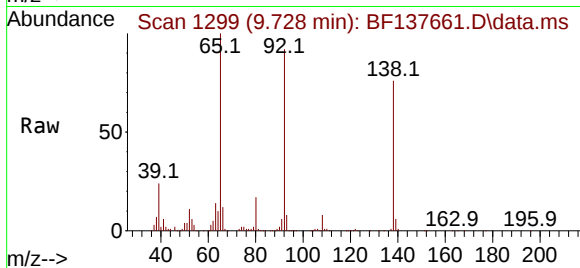
Tgt Ion:138 Resp: 135867

Ion Ratio Lower Upper

138 100

108 10.6 9.1 13.7

92 121.7 104.6 157.0



#54

2,4-Dinitrophenol

Concen: 86.893 ng

RT: 9.839 min Scan# 1318

Delta R.T. 0.012 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

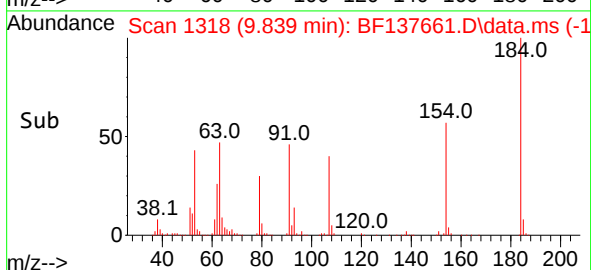
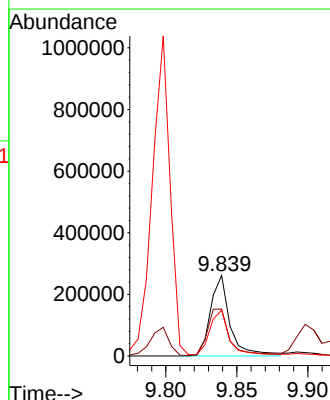
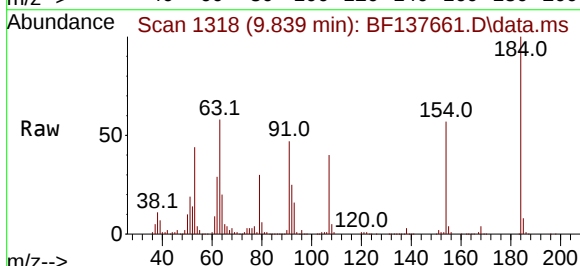
Tgt Ion:184 Resp: 249926

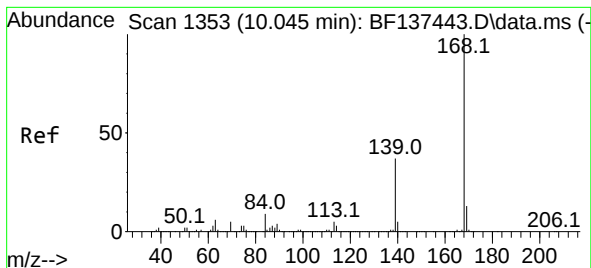
Ion Ratio Lower Upper

184 100

63 58.4 53.3 79.9

154 57.1 47.4 71.0

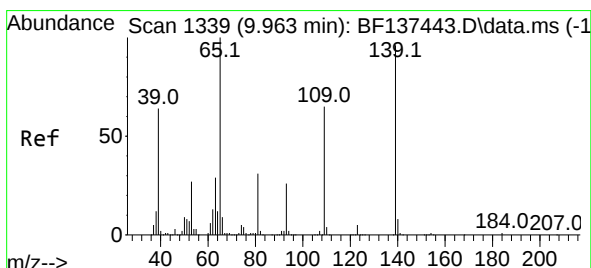
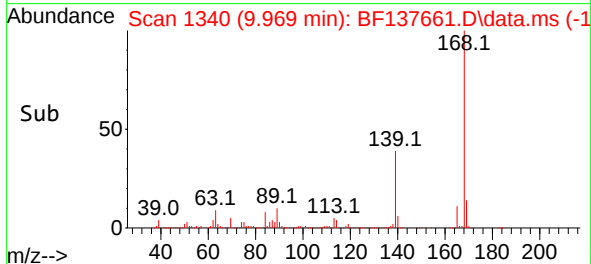
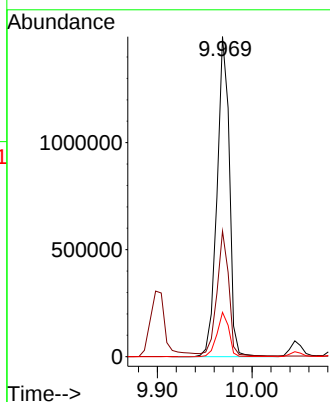
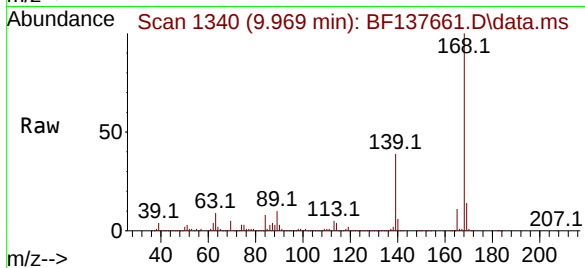




#55
Dibenzofuran
Concen: 41.521 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

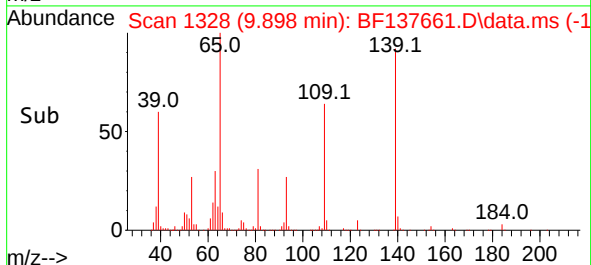
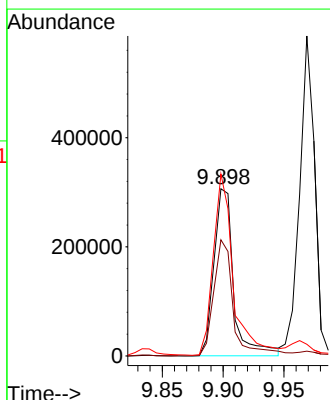
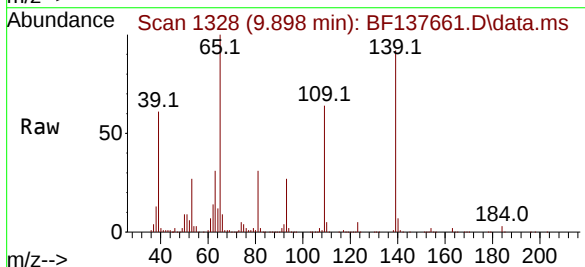
Instrument :
BNA_F
ClientSampleId :
PB159709BS

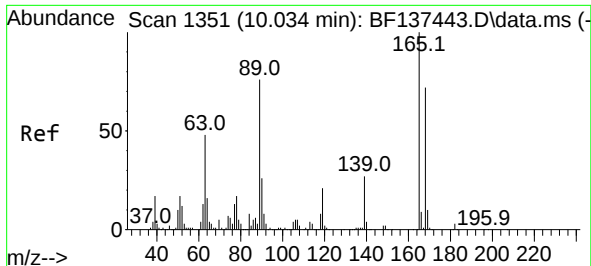
Tgt Ion:168 Resp: 1353253
Ion Ratio Lower Upper
168 100
139 39.2 29.8 44.6
169 13.9 10.8 16.2



#56
4-Nitrophenol
Concen: 78.935 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.012 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:139 Resp: 346851
Ion Ratio Lower Upper
139 100
109 69.5 47.1 87.1
65 108.7 85.1 125.1

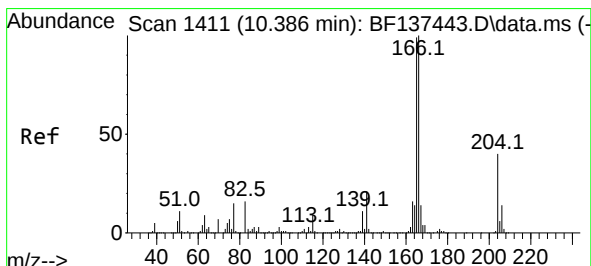
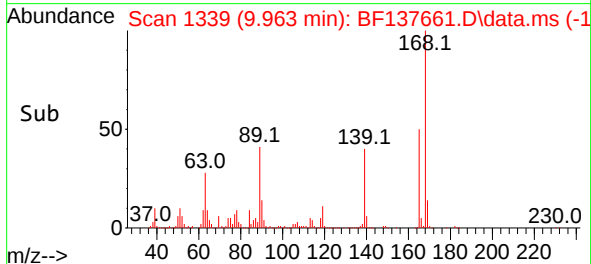
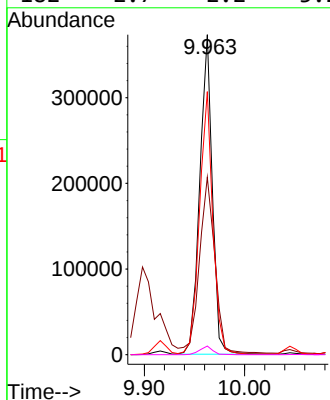
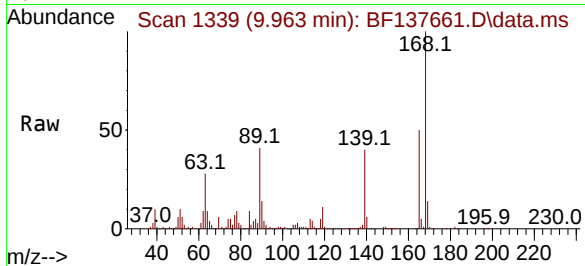




#57
2,4-Dinitrotoluene
Concen: 45.523 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

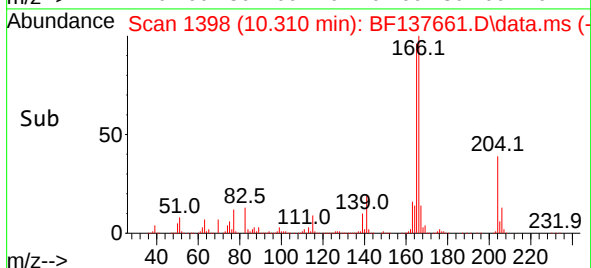
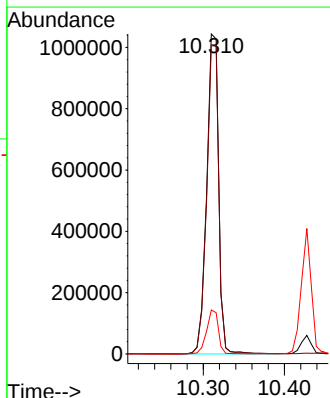
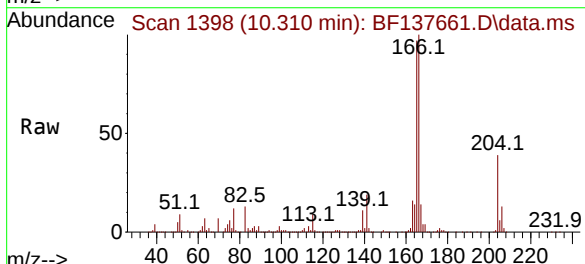
Instrument :
BNA_F
ClientSampleId :
PB159709BS

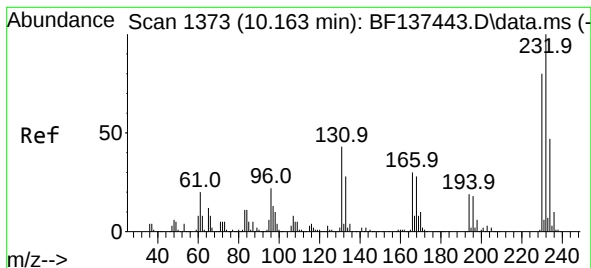
Tgt Ion:165 Resp: 326837
Ion Ratio Lower Upper
165 100
63 55.5 39.0 58.6
89 82.2 60.9 91.3
182 2.7 2.2 3.2



#58
Fluorene
Concen: 42.430 ng
RT: 10.310 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:166 Resp: 1062017
Ion Ratio Lower Upper
166 100
165 96.6 79.2 118.8
167 13.8 11.0 16.6

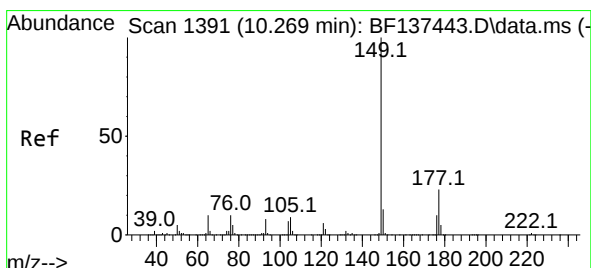
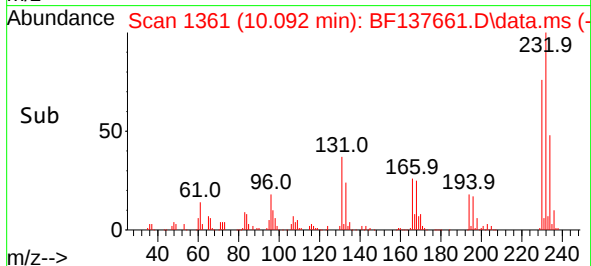
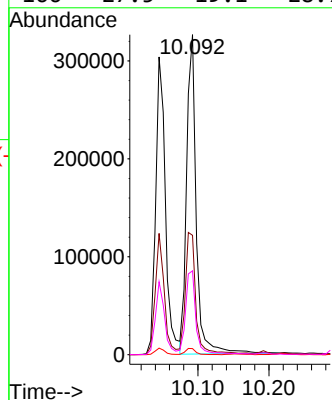
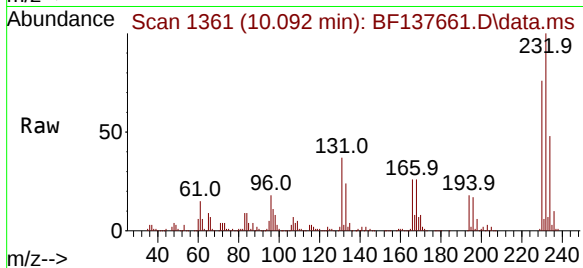




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.568 ng
RT: 10.092 min Scan# 1378
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

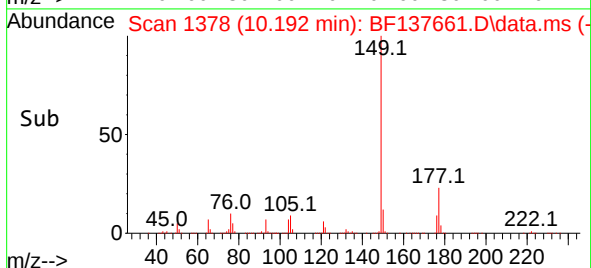
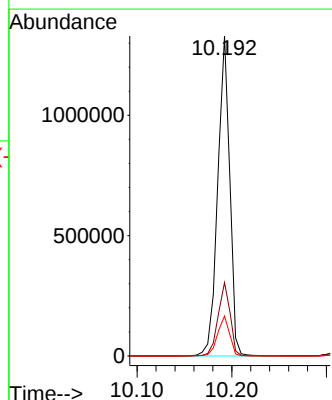
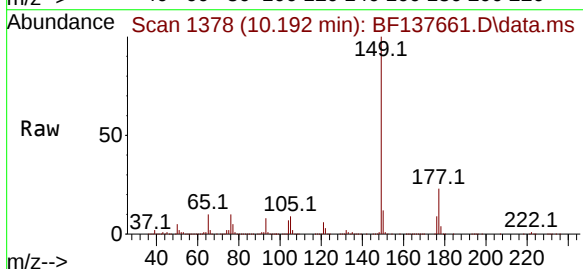
Instrument :
BNA_F
ClientSampleId :
PB159709BS

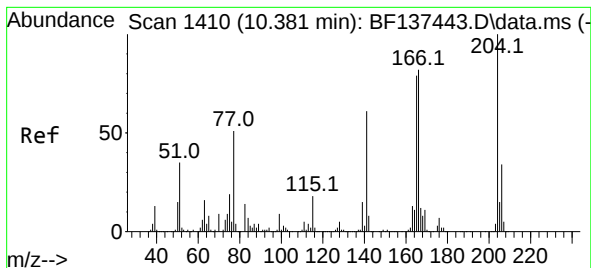
Tgt Ion:232 Resp: 307153
Ion Ratio Lower Upper
232 100
131 40.5 31.2 46.8
130 2.2 1.8 2.6
166 27.5 19.1 28.7



#60
Diethylphthalate
Concen: 44.284 ng
RT: 10.192 min Scan# 1378
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:149 Resp: 1168394
Ion Ratio Lower Upper
149 100
177 23.0 18.7 28.1
150 12.5 10.2 15.4

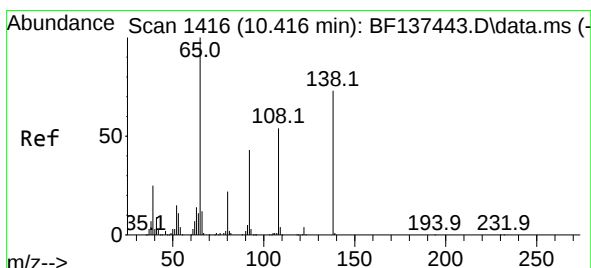
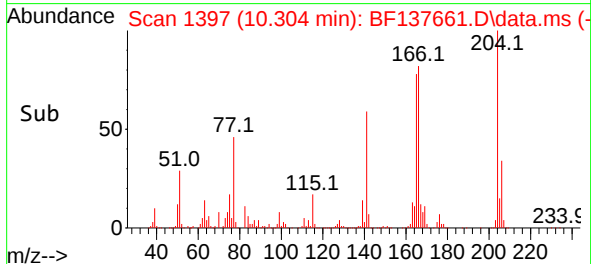
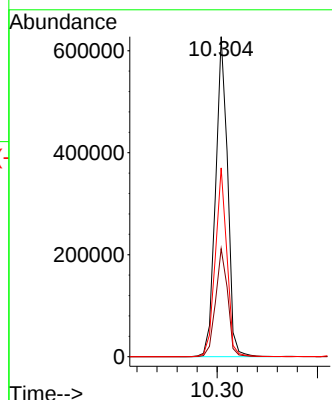
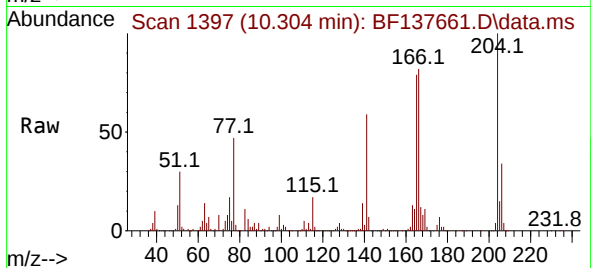




#61
4-Chlorophenyl-phenylether
Concen: 42.594 ng
RT: 10.304 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

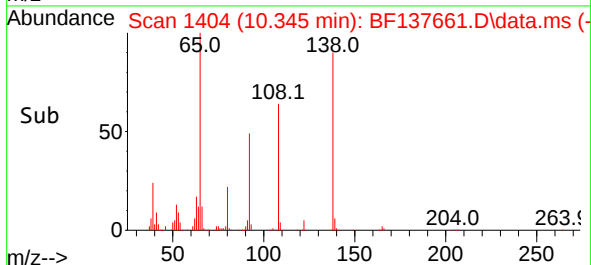
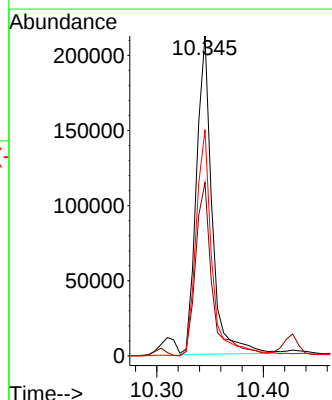
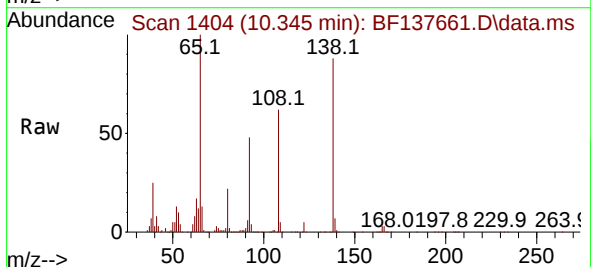
Instrument :
BNA_F
ClientSampleId :
PB159709BS

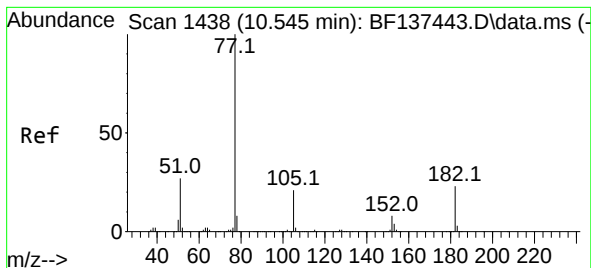
Tgt Ion:204 Resp: 522506
Ion Ratio Lower Upper
204 100
206 33.8 27.4 41.0
141 59.0 48.4 72.6



#62
4-Nitroaniline
Concen: 40.730 ng
RT: 10.345 min Scan# 1404
Delta R.T. 0.012 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:138 Resp: 216386
Ion Ratio Lower Upper
138 100
92 54.2 37.9 77.9
108 70.7 53.2 93.2





#63

Azobenzene

Concen: 40.055 ng

RT: 10.463 min Scan# 14

Delta R.T. -0.000 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

Tgt Ion: 77 Resp: 1216933

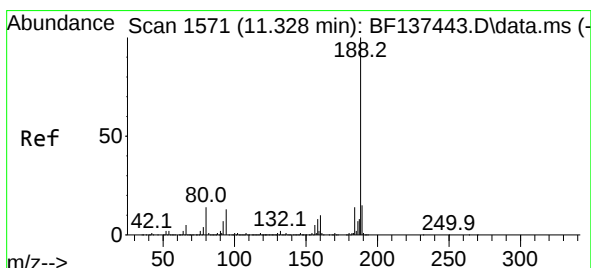
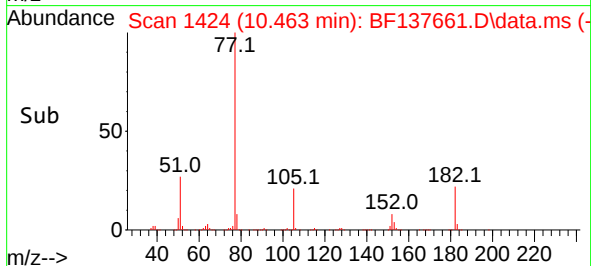
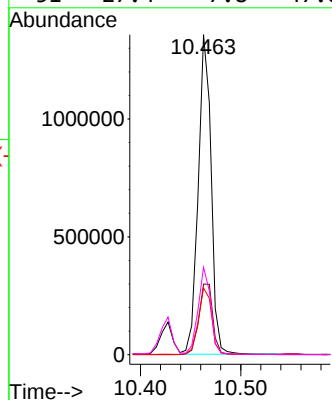
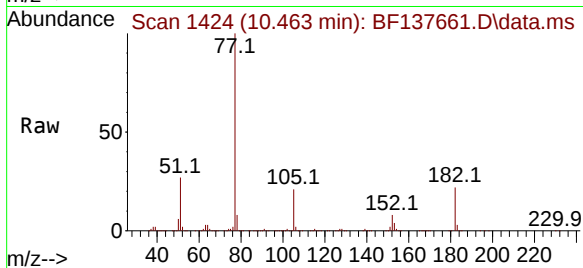
Ion Ratio Lower Upper

77 100

182 22.1 3.2 43.2

105 20.9 1.2 41.2

51 27.4 7.8 47.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 1557

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

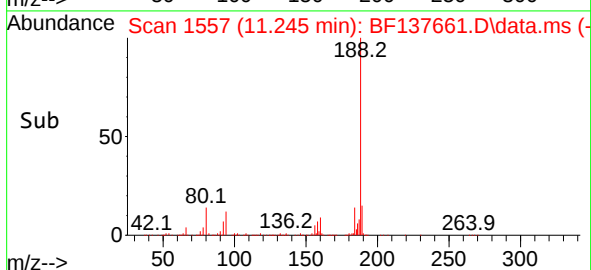
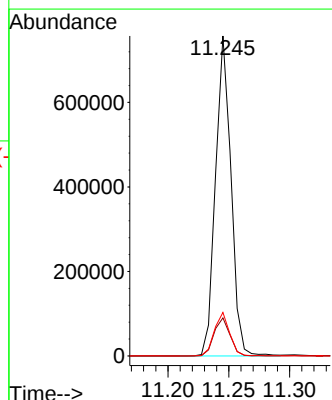
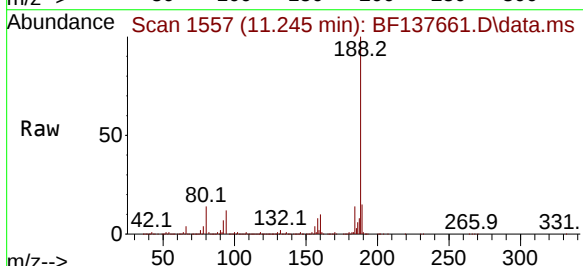
Tgt Ion:188 Resp: 672185

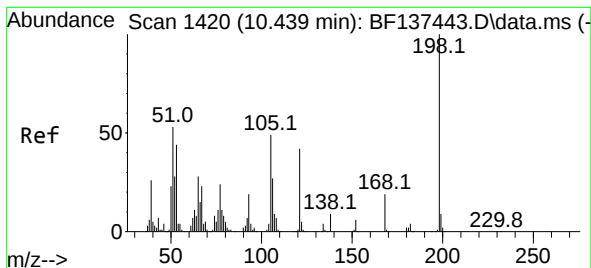
Ion Ratio Lower Upper

188 100

94 11.9 10.6 15.8

80 13.6 11.5 17.3

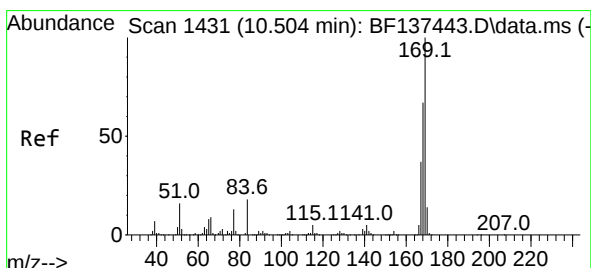
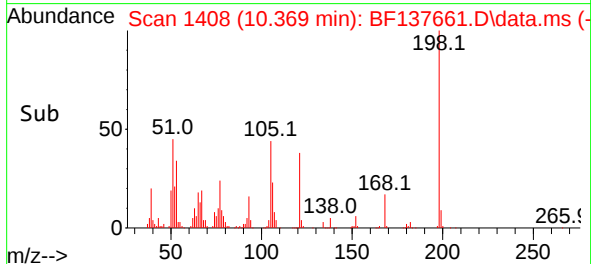
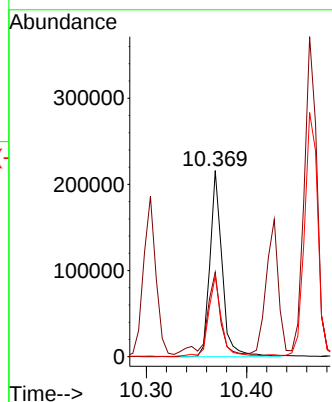
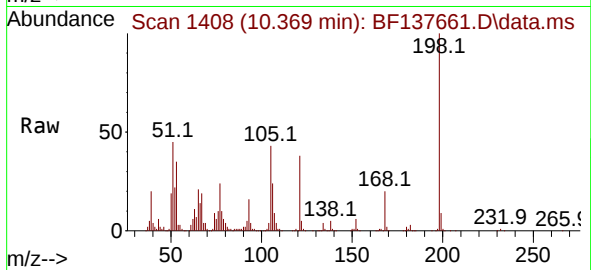




#65
4,6-Dinitro-2-methylphenol
Concen: 48.861 ng
RT: 10.369 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

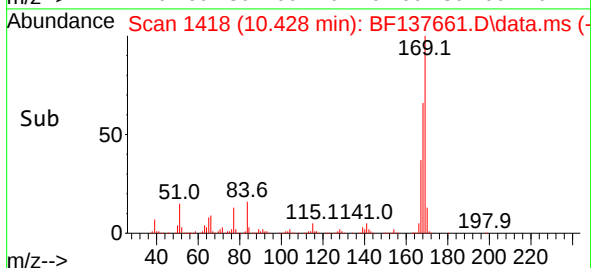
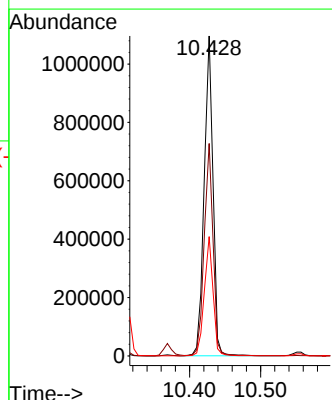
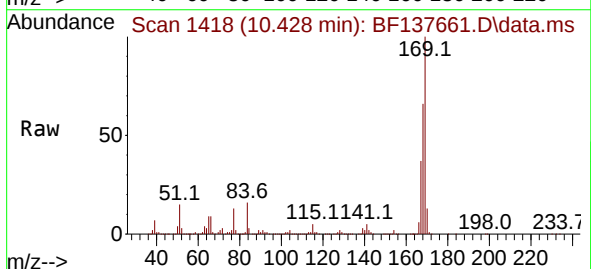
Instrument :
BNA_F
ClientSampleId :
PB159709BS

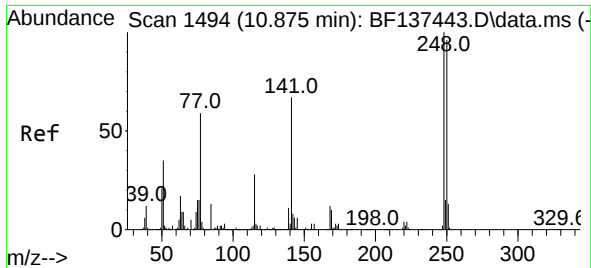
Tgt Ion:198 Resp: 183053
Ion Ratio Lower Upper
198 100
51 45.4 37.2 77.2
105 43.4 29.2 69.2



#66
n-Nitrosodiphenylamine
Concen: 43.919 ng
RT: 10.428 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:169 Resp: 950636
Ion Ratio Lower Upper
169 100
168 66.4 53.8 80.6
167 37.3 29.6 44.4

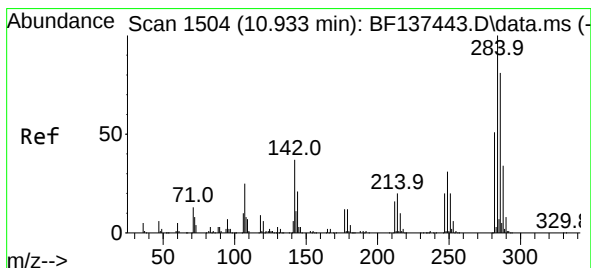
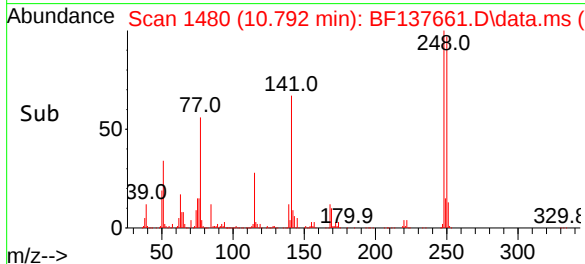
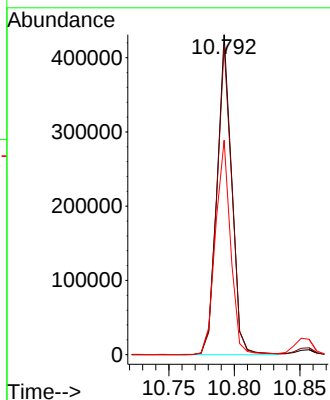
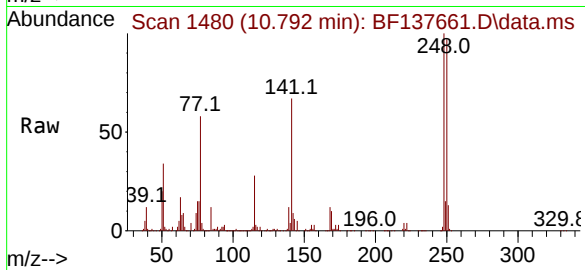




#67
4-Bromophenyl-phenylether
Concen: 46.045 ng
RT: 10.792 min Scan# 1480
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

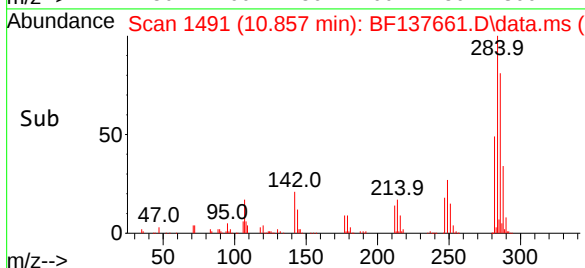
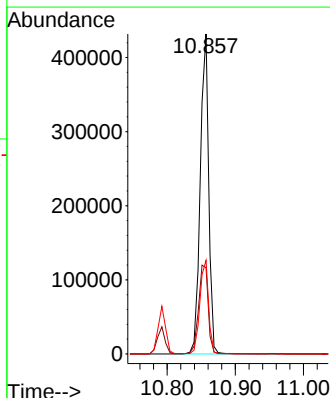
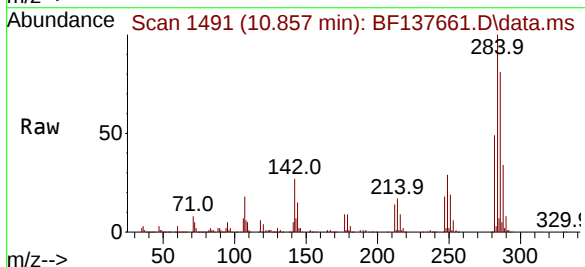
Instrument :
BNA_F
ClientSampleId :
PB159709BS

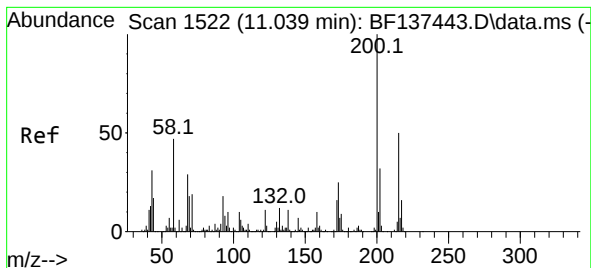
Tgt Ion:248 Resp: 337109
Ion Ratio Lower Upper
248 100
250 96.5 76.8 115.2
141 67.0 53.4 80.0



#68
Hexachlorobenzene
Concen: 50.305 ng
RT: 10.857 min Scan# 1491
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:284 Resp: 371989
Ion Ratio Lower Upper
284 100
142 26.9 29.4 44.0#
249 29.2 25.0 37.4





#69

Atrazine

Concen: 47.261 ng

RT: 10.957 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

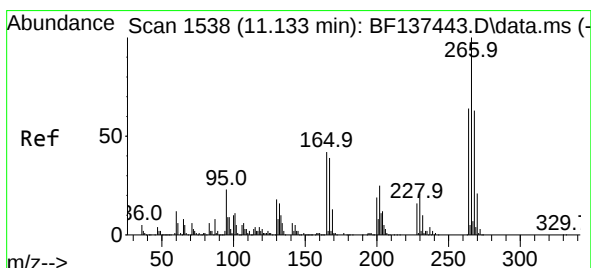
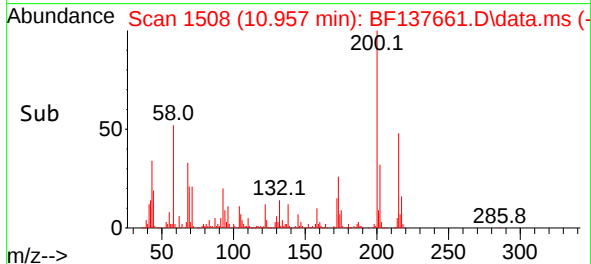
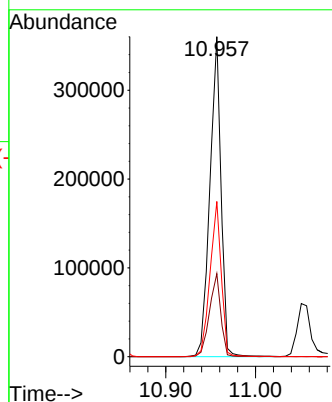
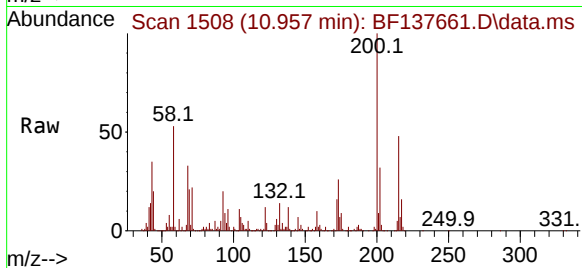
Tgt Ion:200 Resp: 310984

Ion Ratio Lower Upper

200 100

173 26.0 5.1 45.1

215 48.5 30.4 70.4



#70

Pentachlorophenol

Concen: 83.773 ng

RT: 11.057 min Scan# 1525

Delta R.T. 0.012 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

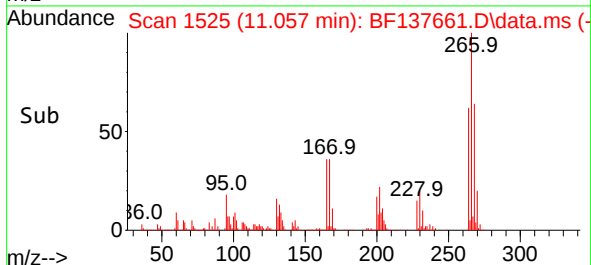
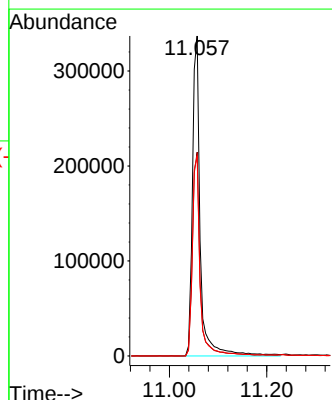
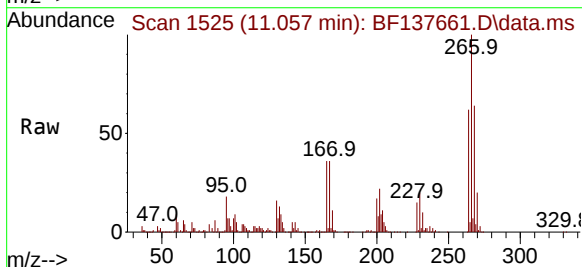
Tgt Ion:266 Resp: 374479

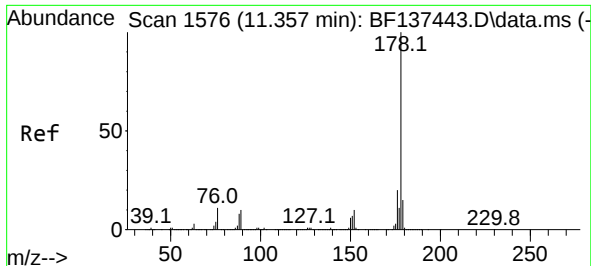
Ion Ratio Lower Upper

266 100

268 63.7 50.2 75.2

264 62.4 50.9 76.3

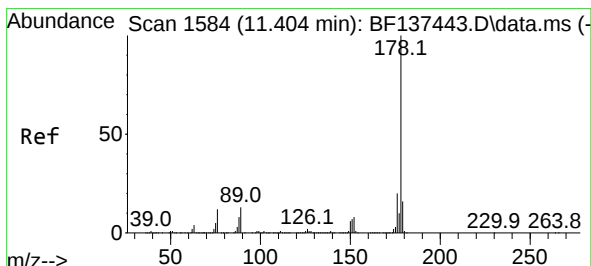
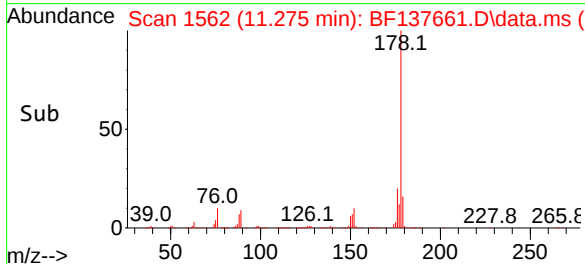
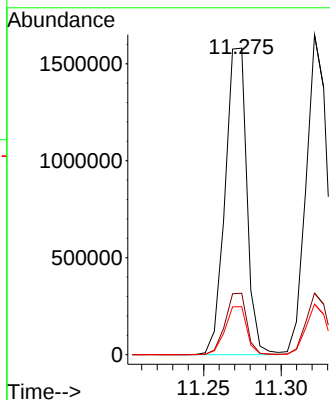
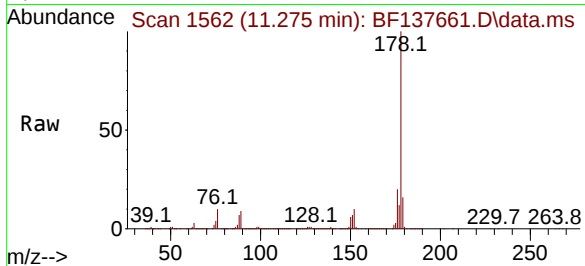




#71
Phenanthrene
Concen: 42.219 ng
RT: 11.275 min Scan# 1576
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

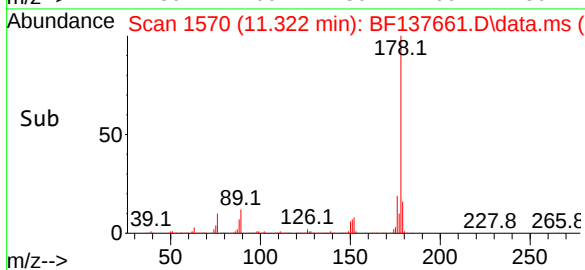
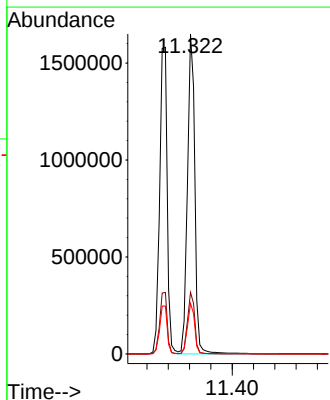
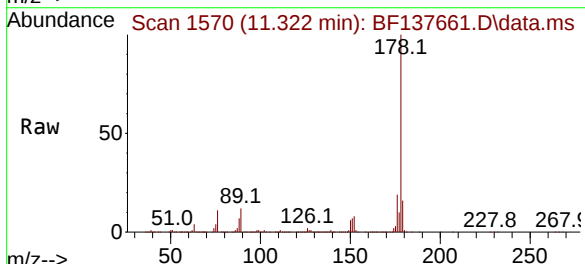
Instrument :
BNA_F
ClientSampleId :
PB159709BS

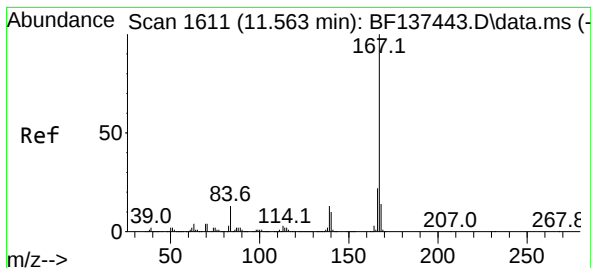
Tgt Ion:178 Resp: 1544429
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.7 12.2 18.2



#72
Anthracene
Concen: 42.101 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:178 Resp: 1581785
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.8 12.7 19.1





#73

Carbazole

Concen: 42.723 ng

RT: 11.480 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

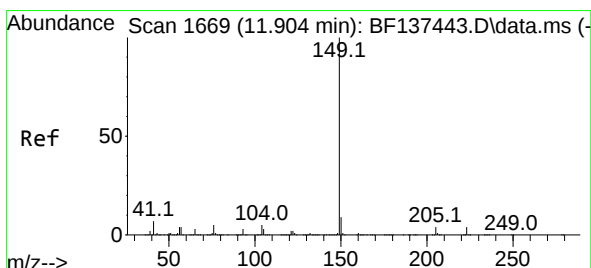
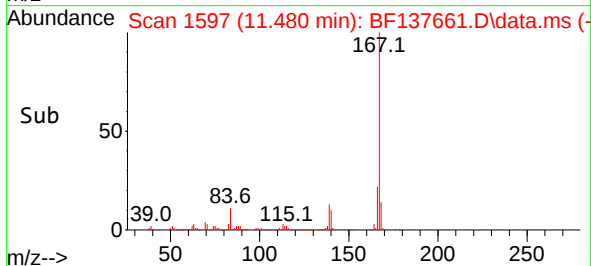
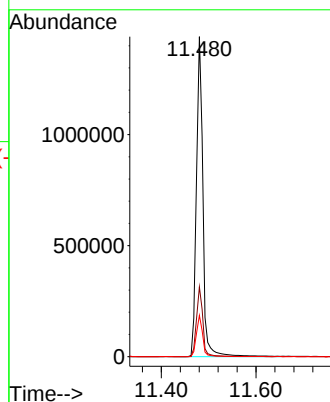
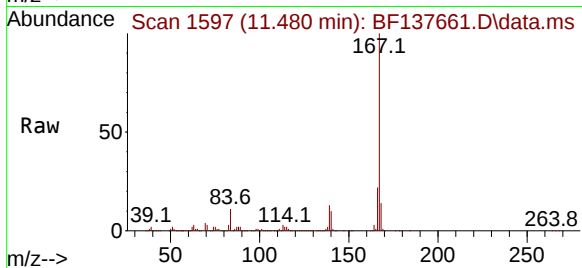
Tgt Ion:167 Resp: 1374929

Ion Ratio Lower Upper

167 100

166 21.8 17.8 26.8

139 12.9 10.5 15.7



#74

Di-n-butylphthalate

Concen: 44.340 ng

RT: 11.810 min Scan# 1653

Delta R.T. -0.000 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

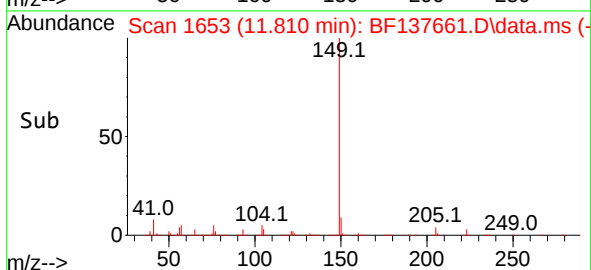
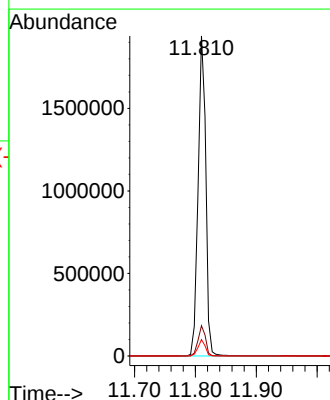
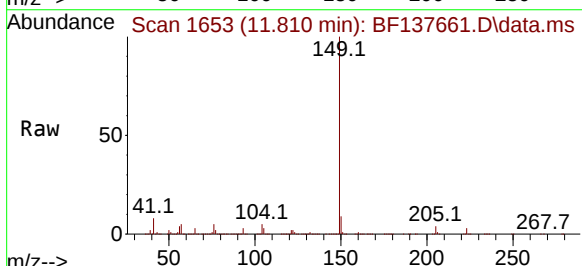
Tgt Ion:149 Resp: 1697772

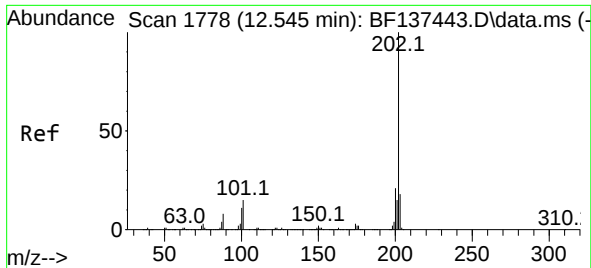
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

104 5.1 3.8 5.6

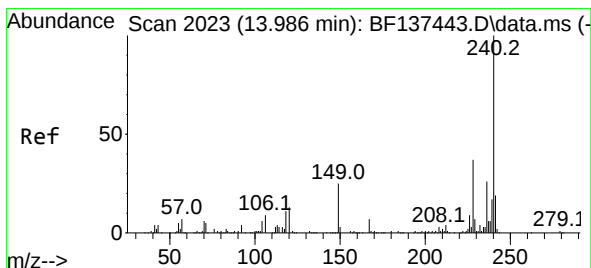
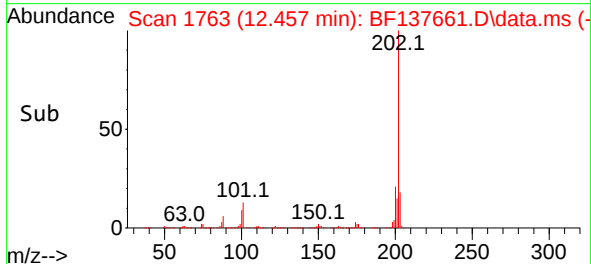
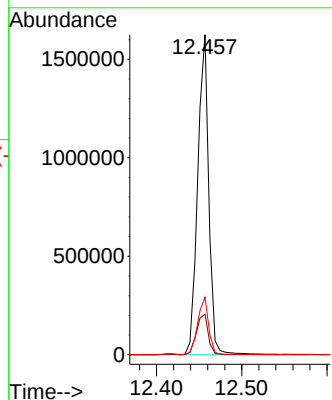
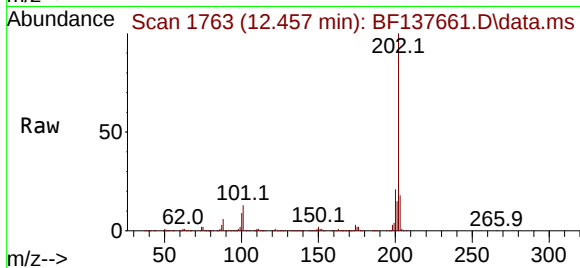




#75
Fluoranthene
Concen: 40.996 ng
RT: 12.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

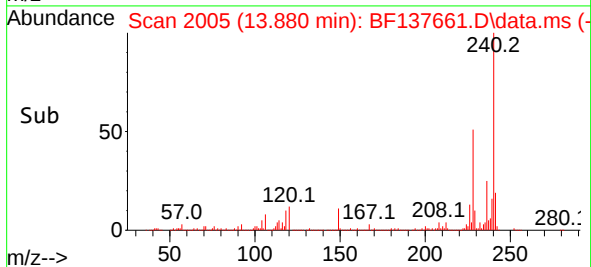
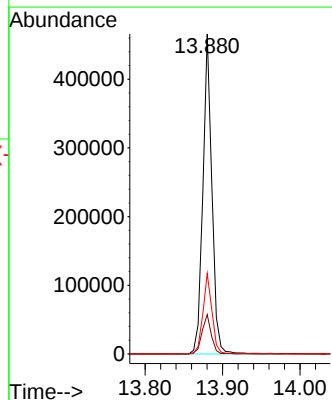
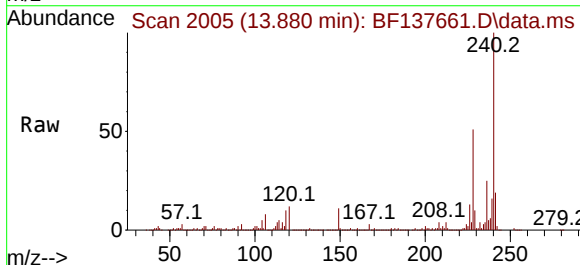
Instrument :
BNA_F
ClientSampleId :
PB159709BS

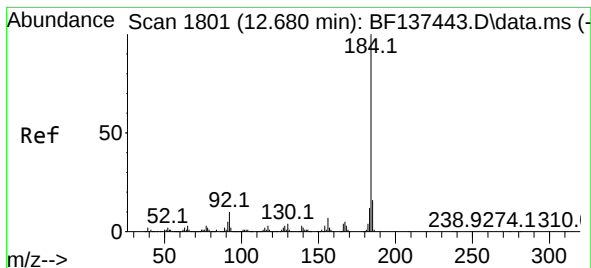
Tgt Ion:202 Resp: 1465937
Ion Ratio Lower Upper
202 100
101 12.6 0.0 35.0
203 18.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:240 Resp: 377607
Ion Ratio Lower Upper
240 100
120 12.3 10.4 15.6
236 25.2 20.9 31.3





#77

Benzidine

Concen: 18.638 ng

RT: 12.586 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

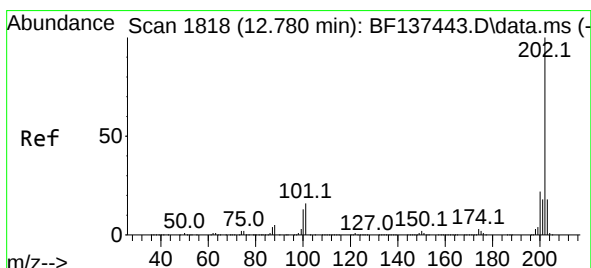
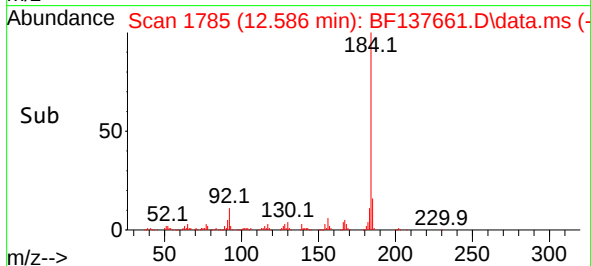
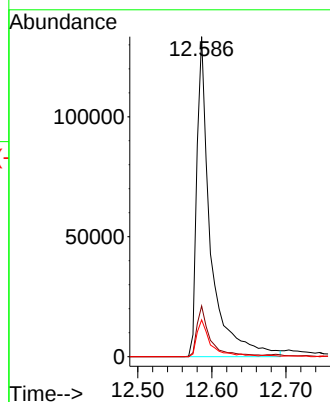
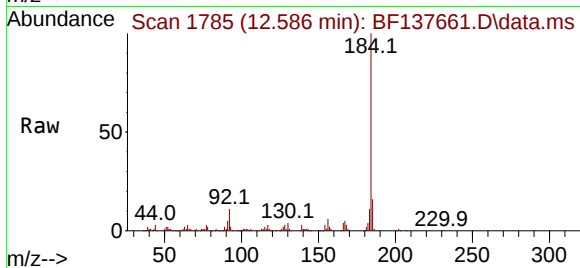
Tgt Ion:184 Resp: 172231

Ion Ratio Lower Upper

184 100

185 15.9 13.2 19.8

183 11.5 9.3 13.9



#78

Pyrene

Concen: 40.018 ng

RT: 12.686 min Scan# 1802

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

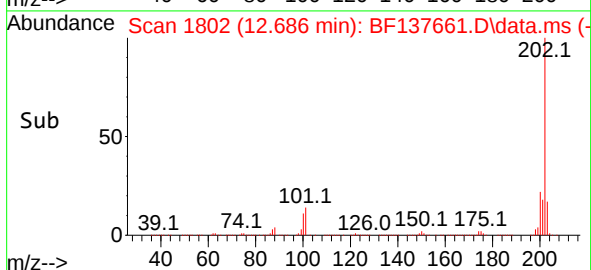
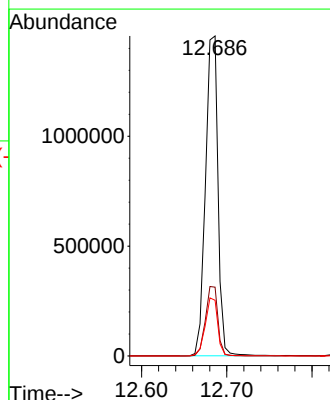
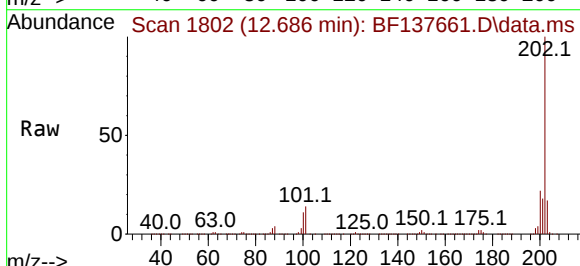
Tgt Ion:202 Resp: 1482736

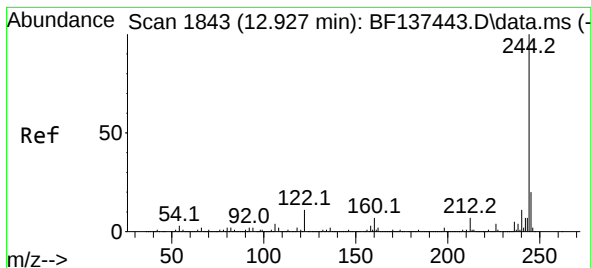
Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

203 17.4 14.1 21.1





#79

Terphenyl-d14

Concen: 80.391 ng

RT: 12.833 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

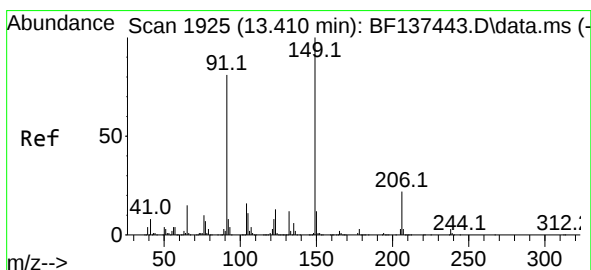
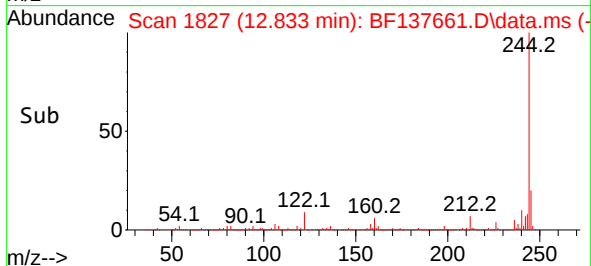
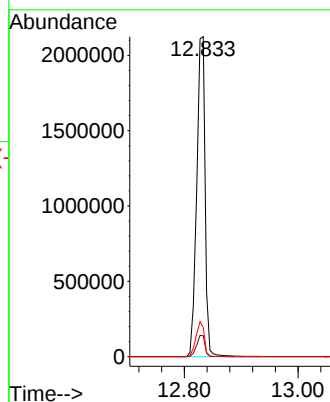
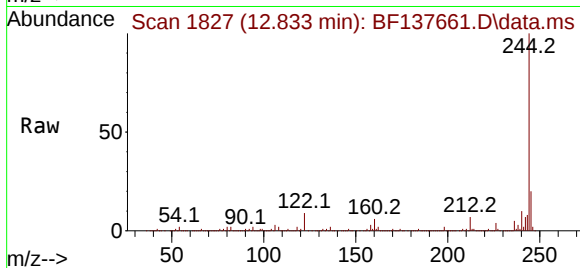
Tgt Ion:244 Resp: 2207542

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 9.2 9.1 13.7



#80

Butylbenzylphthalate

Concen: 58.261 ng

RT: 13.304 min Scan# 1907

Delta R.T. -0.000 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

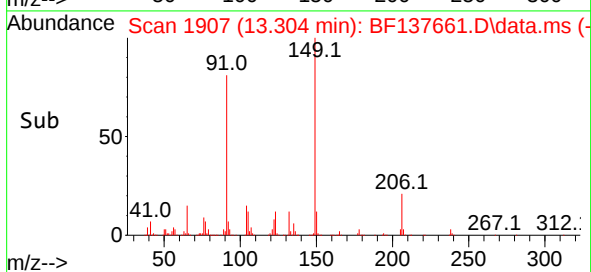
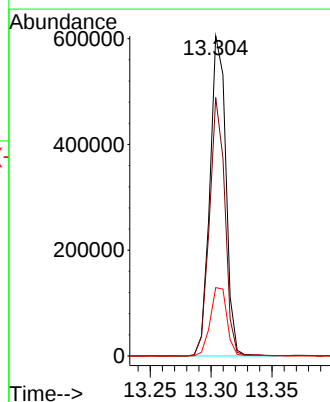
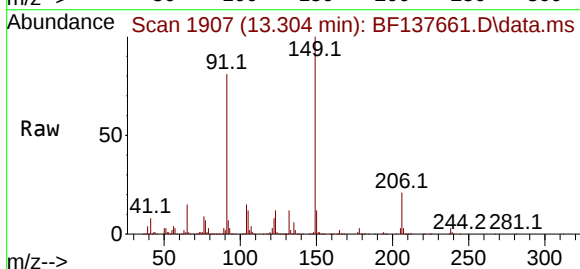
Tgt Ion:149 Resp: 551297

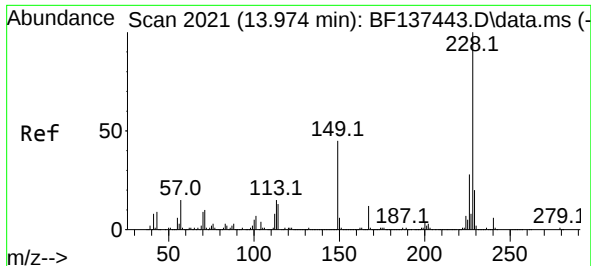
Ion Ratio Lower Upper

149 100

91 80.7 64.7 97.1

206 21.4 17.5 26.3

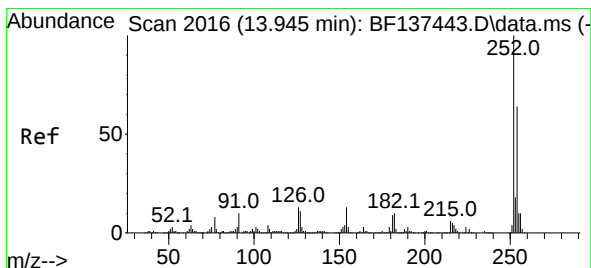
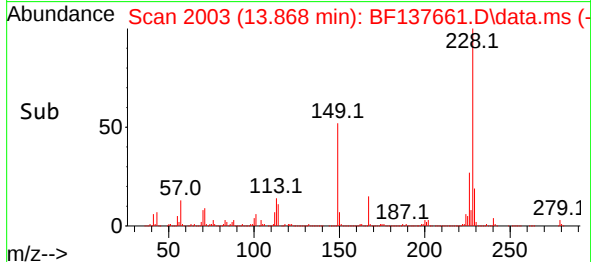
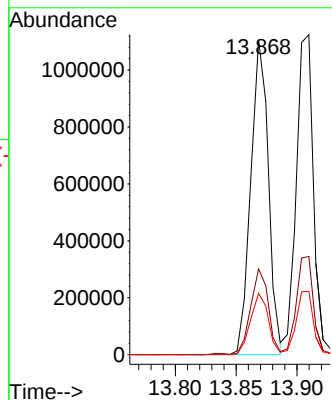
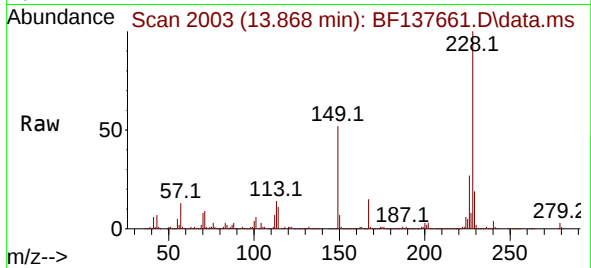




#81
Benzo(a)anthracene
Concen: 42.092 ng
RT: 13.868 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

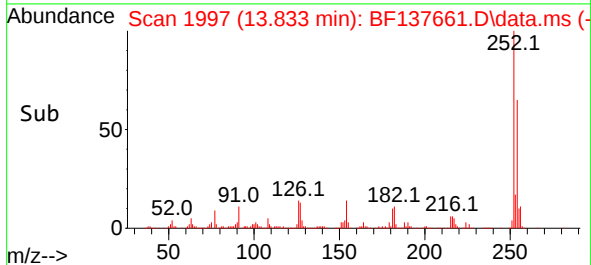
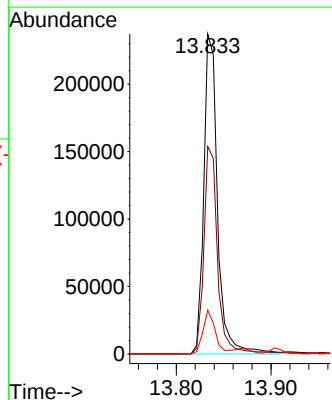
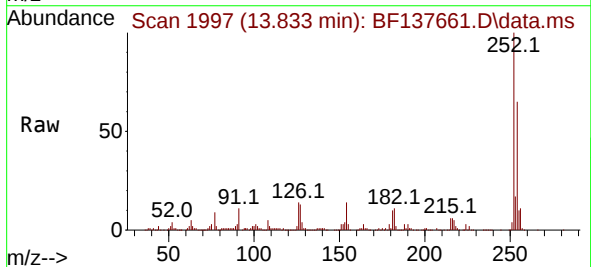
Instrument :
BNA_F
ClientSampleId :
PB159709BS

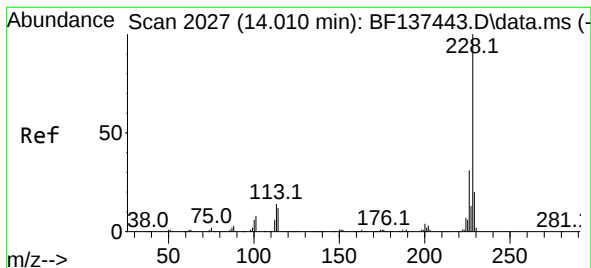
Tgt Ion:228 Resp: 1114020
Ion Ratio Lower Upper
228 100
226 27.2 22.3 33.5
229 19.5 16.3 24.5



#82
3,3'-Dichlorobenzidine
Concen: 34.011 ng
RT: 13.833 min Scan# 1997
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:252 Resp: 239710
Ion Ratio Lower Upper
252 100
254 64.8 51.4 77.2
126 13.6 10.4 15.6





#83

Chrysene

Concen: 41.849 ng

RT: 13.910 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

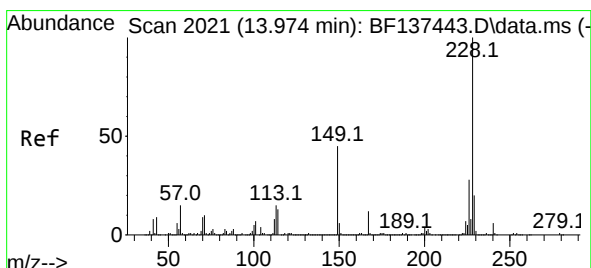
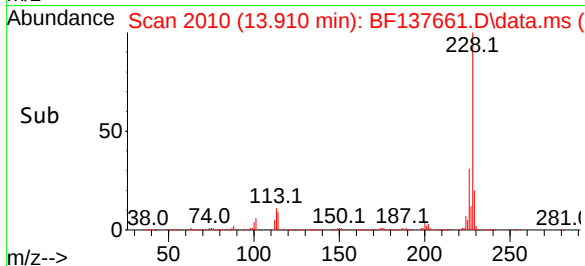
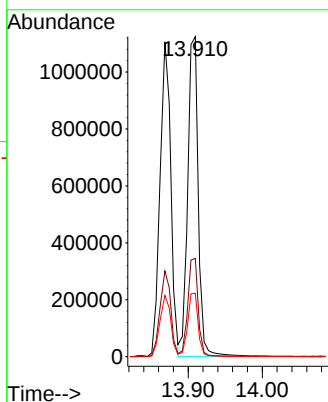
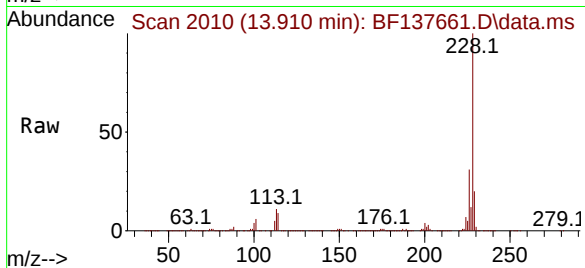
Tgt Ion:228 Resp: 1119419

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

229 19.8 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 58.917 ng

RT: 13.863 min Scan# 2002

Delta R.T. -0.000 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

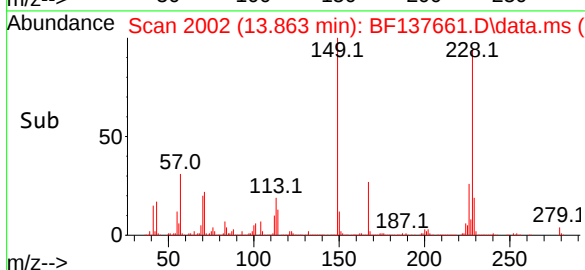
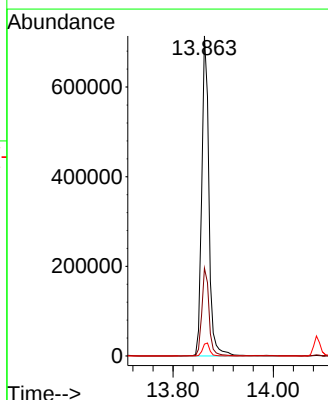
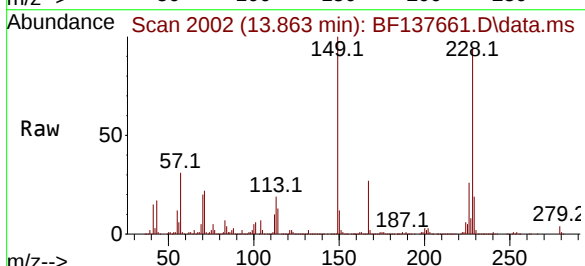
Tgt Ion:149 Resp: 708606

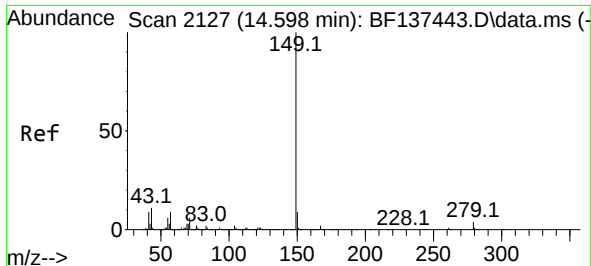
Ion Ratio Lower Upper

149 100

167 27.5 21.3 31.9

279 3.7 2.6 4.0

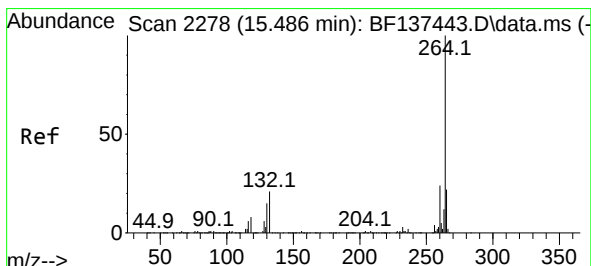
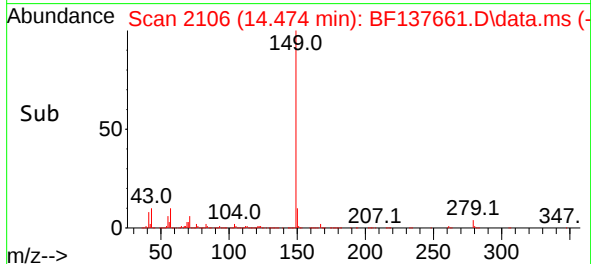
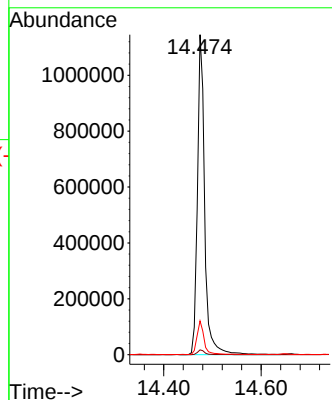
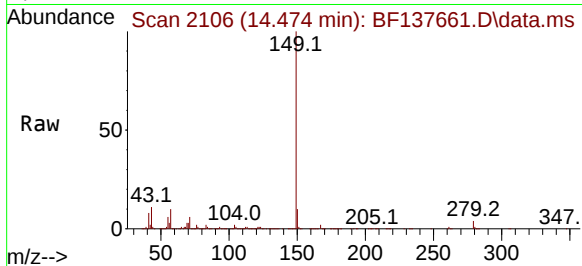




#85
Di-n-octyl phthalate
Concen: 51.210 ng
RT: 14.474 min Scan# 2127
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

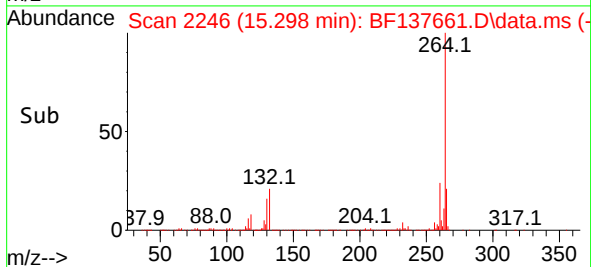
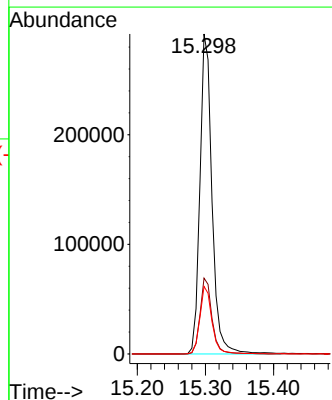
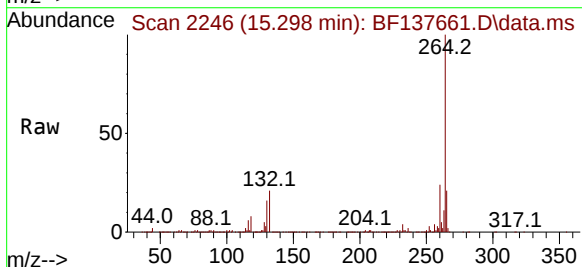
Instrument :
BNA_F
ClientSampleId :
PB159709BS

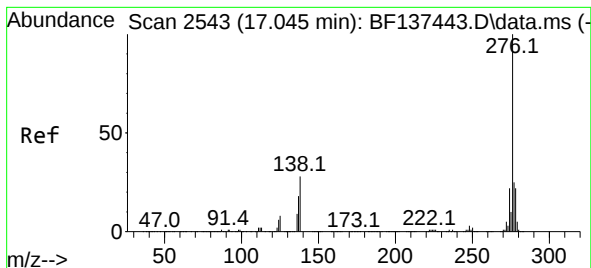
Tgt Ion:149 Resp: 1196854
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.5 9.6 14.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BF137661.D
Acq: 21 Mar 2024 15:21

Tgt Ion:264 Resp: 359324
Ion Ratio Lower Upper
264 100
260 23.7 19.3 28.9
265 21.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.031 ng

RT: 16.698 min Scan# 2178

Delta R.T. 0.012 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

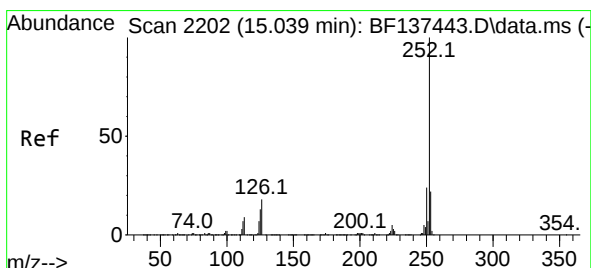
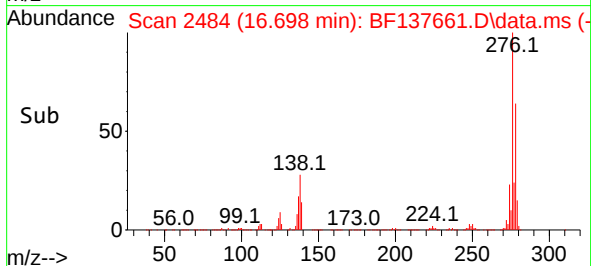
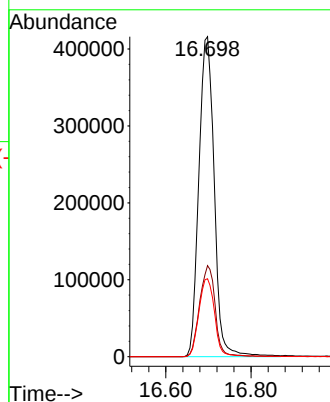
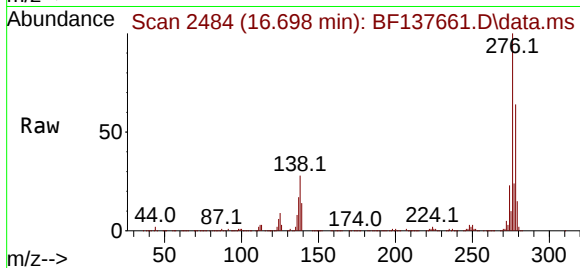
Tgt Ion:276 Resp: 1041146

Ion Ratio Lower Upper

276 100

138 28.8 25.8 38.8

277 24.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 48.146 ng

RT: 14.898 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

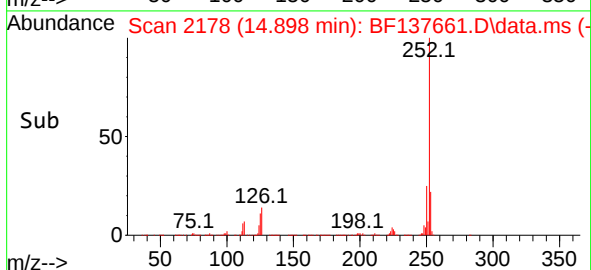
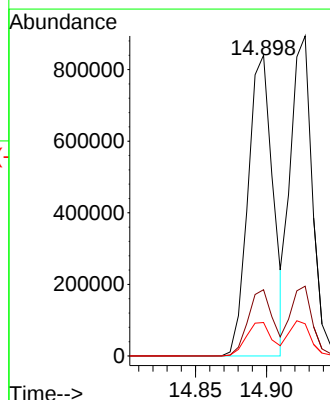
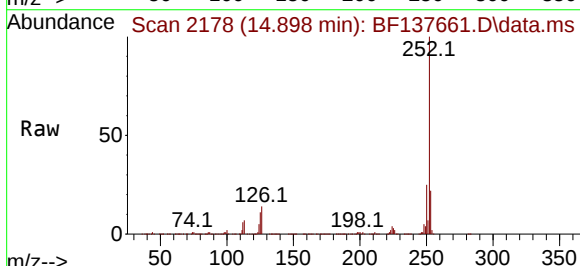
Tgt Ion:252 Resp: 1023362

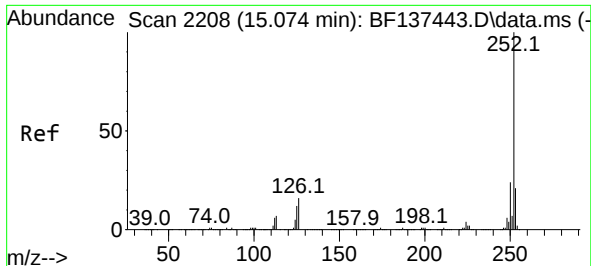
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 11.1 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 42.598 ng

RT: 14.927 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

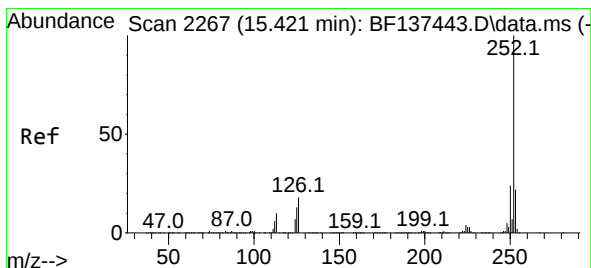
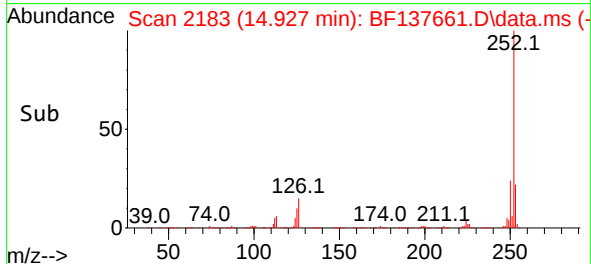
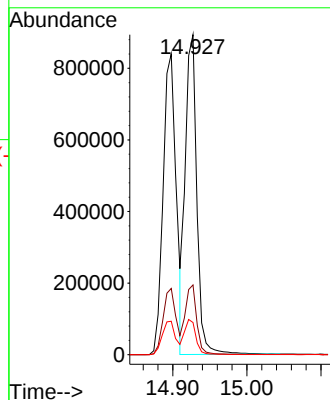
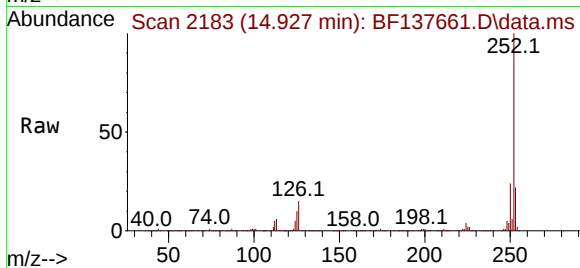
Tgt Ion:252 Resp: 972518

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 10.0 9.6 14.4



#90

Benzo(a)pyrene

Concen: 42.665 ng

RT: 15.245 min Scan# 2237

Delta R.T. 0.006 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

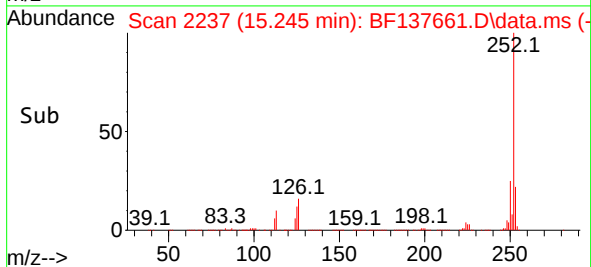
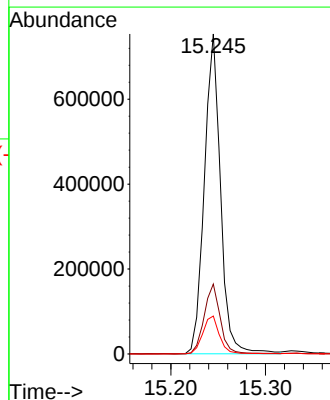
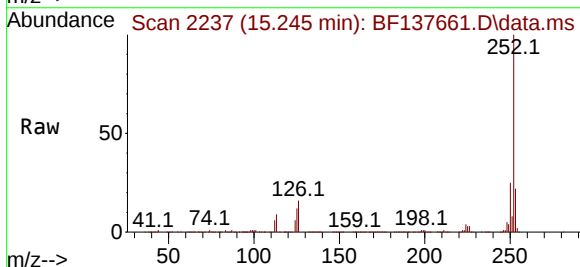
Tgt Ion:252 Resp: 893659

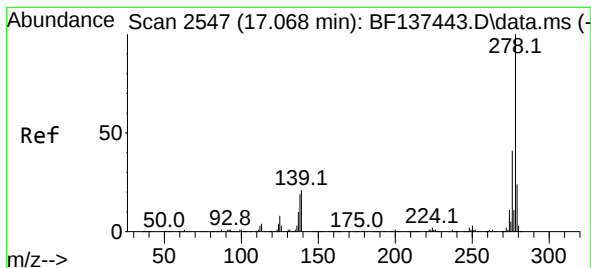
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 11.9 10.4 15.6





#91

Dibenzo(a,h)anthracene

Concen: 43.893 ng

RT: 16.709 min Scan# 2486

Delta R.T. 0.012 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Instrument :

BNA_F

ClientSampleId :

PB159709BS

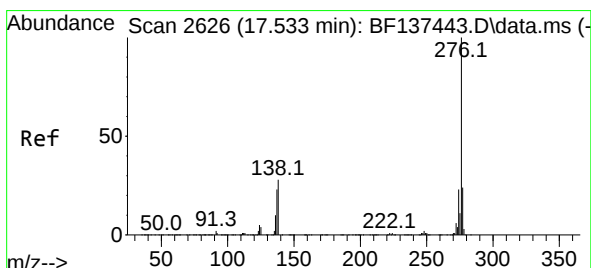
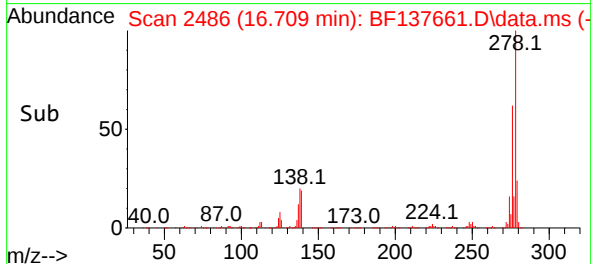
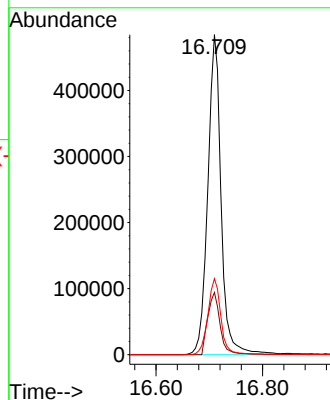
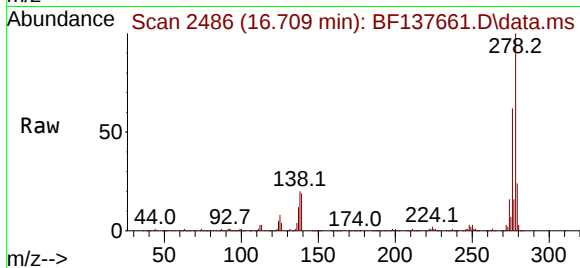
Tgt Ion:278 Resp: 841948

Ion Ratio Lower Upper

278 100

139 19.5 17.0 25.6

279 23.8 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 43.377 ng

RT: 17.115 min Scan# 2555

Delta R.T. 0.012 min

Lab File: BF137661.D

Acq: 21 Mar 2024 15:21

Tgt Ion:276 Resp: 854497

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.4

138 24.1 22.2 33.2

