

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143052.D
 Acq On : 09 Jul 2025 12:54
 Operator : RC/JU
 Sample : PB168750BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168750BS

Quant Time: Jul 09 13:29:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	56794	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	214539	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	112458	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	186535	20.000	ng	0.00
76) Chrysene-d12	14.057	240	95347	20.000	ng	0.00
86) Perylene-d12	15.551	264	120157	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	426340	124.982	ng	0.01
7) Phenol-d6	6.510	99	505681	125.649	ng	0.00
23) Nitrobenzene-d5	7.440	82	308602	78.900	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	155731	134.568	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	690721	80.686	ng	-0.01
79) Terphenyl-d14	12.992	244	595381	86.278	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.716	88	48675	35.675	ng	99
3) Pyridine	3.475	79	131179	38.351	ng	97
4) n-Nitrosodimethylamine	3.434	42	72068	40.744	ng	96
6) Aniline	6.534	93	194415	36.305	ng	# 69
8) 2-Chlorophenol	6.657	128	165209	44.897	ng	99
9) Benzaldehyde	6.422	77	102046	42.739	ng	99
10) Phenol	6.522	94	192952	43.131	ng	85
11) bis(2-Chloroethyl)ether	6.604	93	140095	43.816	ng	98
12) 1,3-Dichlorobenzene	6.810	146	177878	43.223	ng	99
13) 1,4-Dichlorobenzene	6.893	146	181148	43.629	ng	98
14) 1,2-Dichlorobenzene	7.040	146	170255	43.232	ng	98
15) Benzyl Alcohol	7.016	79	130183	44.744	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.146	45	203469	39.609	ng	81
17) 2-Methylphenol	7.134	107	125670	45.066	ng	95
18) Hexachloroethane	7.381	117	62809	43.249	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	104292	44.556	ng	97
20) 3+4-Methylphenols	7.287	107	159830	45.970	ng	96
22) Acetophenone	7.281	105	214673	45.376	ng	99
24) Nitrobenzene	7.457	77	153515	43.364	ng	98
25) Isophorone	7.698	82	279937	44.616	ng	100
26) 2-Nitrophenol	7.775	139	90174	46.760	ng	99
27) 2,4-Dimethylphenol	7.810	122	143349	42.914	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	176073	44.140	ng	100
29) 2,4-Dichlorophenol	8.022	162	138790	45.823	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	145173	43.589	ng	99
31) Naphthalene	8.181	128	467109	44.481	ng	100
32) Benzoic acid	7.940	122	69596	40.877	ng	99
33) 4-Chloroaniline	8.228	127	109926	25.744	ng	99
34) Hexachlorobutadiene	8.292	225	90524	44.435	ng	98
35) Caprolactam	8.604	113	25772	32.246	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	139043	46.191	ng	98
37) 2-Methylnaphthalene	8.869	142	293943	45.149	ng	100
38) 1-Methylnaphthalene	8.969	142	301516	44.739	ng	98
40) 1,2,4,5-Tetrachloroben...	9.040	216	149486	45.049	ng	99
41) Hexachlorocyclopentadiene	9.022	237	142408	75.626	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	91324	42.235	ng	99

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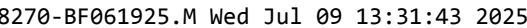
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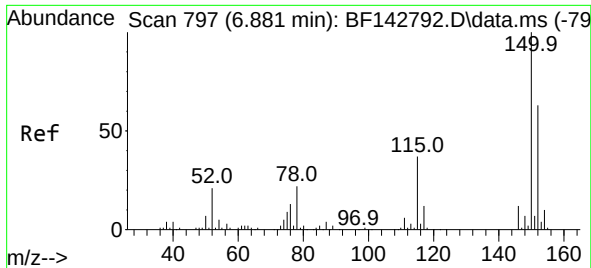
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 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	100167	44.007	ng	100
46) 1,1'-Biphenyl	9.334	154	406969	45.811	ng	99
47) 2-Chloronaphthalene	9.363	162	298312	44.748	ng	99
48) 2-Nitroaniline	9.463	65	84665	45.300	ng	94
49) Acenaphthylene	9.781	152	496079	45.203	ng	100
50) Dimethylphthalate	9.639	163	346580	47.611	ng	99
51) 2,6-Dinitrotoluene	9.704	165	75902	47.479	ng	97
52) Acenaphthene	9.951	154	283047	42.272	ng	100
53) 3-Nitroaniline	9.875	138	57210	32.504	ng	98
54) 2,4-Dinitrophenol	9.992	184	72852	91.012	ng	94
55) Dibenzofuran	10.122	168	433030	45.100	ng	100
56) 4-Nitrophenol	10.045	139	89195	74.022	ng	99
57) 2,4-Dinitrotoluene	10.110	165	100952	47.541	ng	93
58) Fluorene	10.469	166	347381	46.326	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	84193	45.889	ng	95
60) Diethylphthalate	10.339	149	339999	47.636	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	165430	46.232	ng	99
62) 4-Nitroaniline	10.492	138	73644	45.749	ng	97
63) Azobenzene	10.616	77	292044	45.781	ng	98
65) 4,6-Dinitro-2-methylph...	10.528	198	52422	46.462	ng	97
66) n-Nitrosodiphenylamine	10.575	169	300094	46.419	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	99688	46.957	ng	95
68) Hexachlorobenzene	11.016	284	111735	47.367	ng	99
69) Atrazine	11.104	200	84787	50.788	ng	100
70) Pentachlorophenol	11.216	266	90462	76.959	ng	99
71) Phenanthrene	11.433	178	467137	46.230	ng	100
72) Anthracene	11.486	178	478957	46.217	ng	100
73) Carbazole	11.639	167	409036	45.738	ng	100
74) Di-n-butylphthalate	11.963	149	461555	49.542	ng	99
75) Fluoranthene	12.622	202	430822	44.925	ng	100
77) Benzidine	12.745	184	167006	46.620	ng	99
78) Pyrene	12.851	202	425324	47.590	ng	99
80) Butylbenzylphthalate	13.463	149	129463	49.938	ng	97
81) Benzo(a)anthracene	14.045	228	303507	47.186	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	62521	29.967	ng	98
83) Chrysene	14.080	228	269701	46.990	ng	99
84) Bis(2-ethylhexyl)phtha...	14.022	149	188801	50.617	ng	99
85) Di-n-octyl phthalate	14.633	149	361435	51.389	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	410655	44.869	ng	98
88) Benzo(b)fluoranthene	15.110	252	308004	44.299	ng	99
89) Benzo(k)fluoranthene	15.139	252	310901	47.795	ng	99
90) Benzo(a)pyrene	15.486	252	314463	46.817	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	332919	44.769	ng	98
92) Benzo(g,h,i)perylene	17.533	276	324667	43.784	ng	98

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

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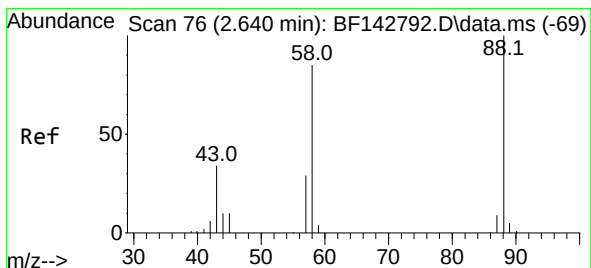
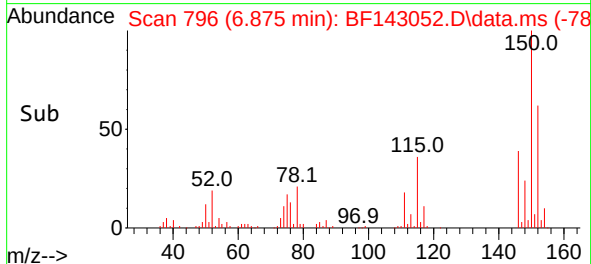
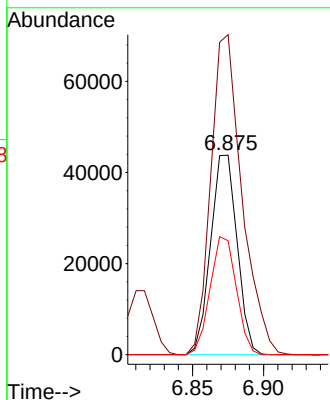
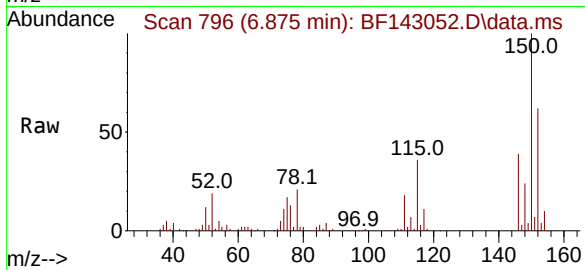




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF143052.D
 Acq: 09 Jul 2025 12:54

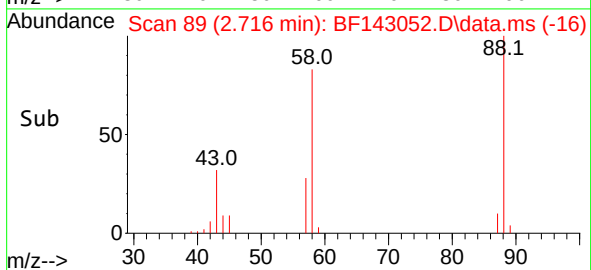
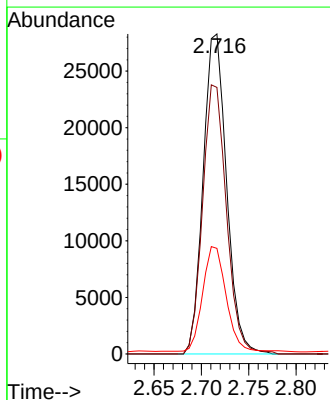
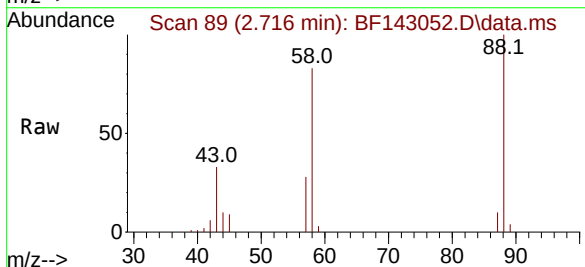
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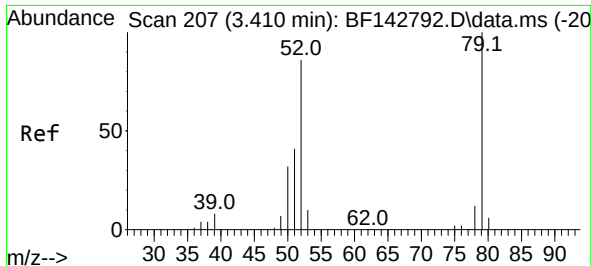
Tgt Ion:152 Resp: 56794
 Ion Ratio Lower Upper
 152 100
 150 160.4 127.2 190.8
 115 57.1 46.6 69.8



#2
 1,4-Dioxane
 Concen: 35.675 ng
 RT: 2.716 min Scan# 89
 Delta R.T. 0.077 min
 Lab File: BF143052.D
 Acq: 09 Jul 2025 12:54

Tgt Ion: 88 Resp: 48675
 Ion Ratio Lower Upper
 88 100
 58 85.7 69.1 103.7
 43 33.3 27.4 41.2

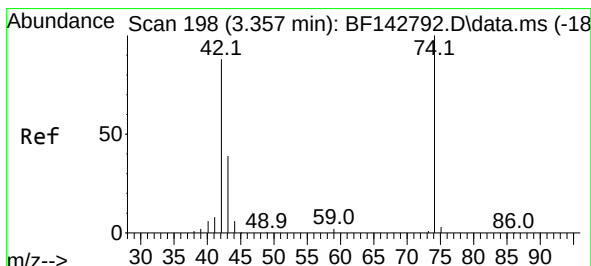
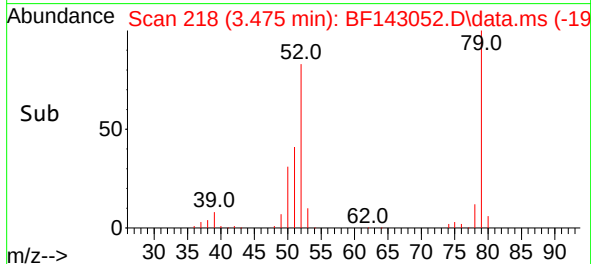
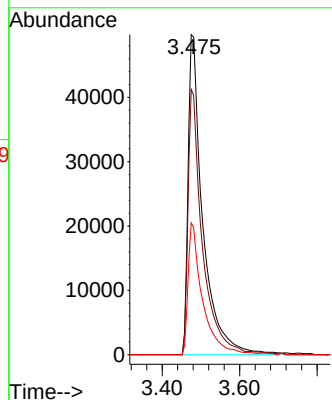
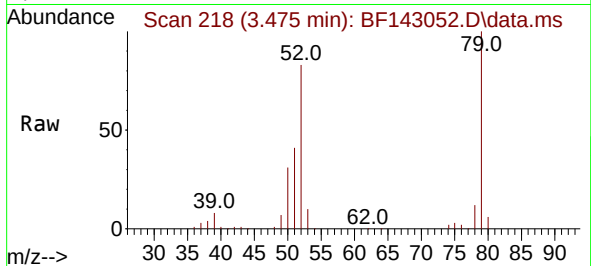




#3
Pyridine
Concen: 38.351 ng
RT: 3.475 min Scan# 211
Delta R.T. 0.065 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

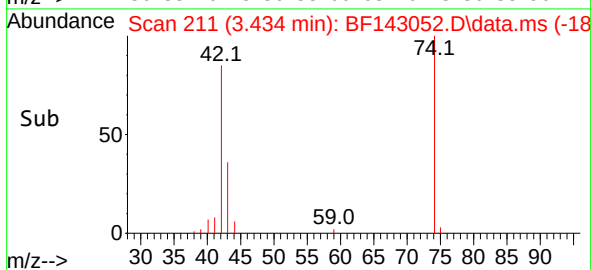
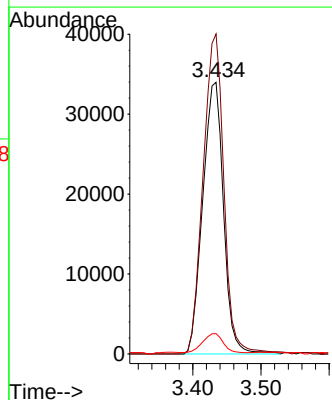
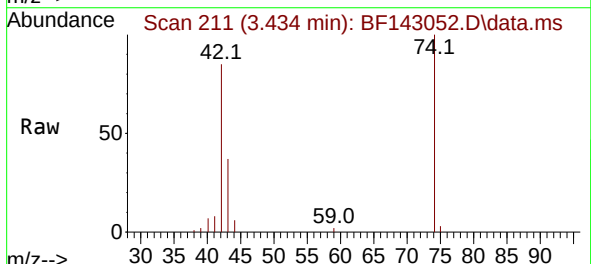
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ClientSampleId :
PB168750BS

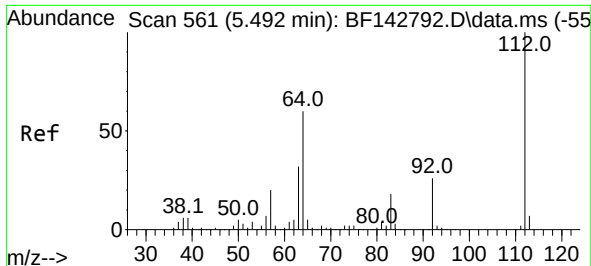
Tgt Ion: 79 Resp: 131179
Ion Ratio Lower Upper
79 100
52 82.9 69.2 103.8
51 41.2 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 40.744 ng
RT: 3.434 min Scan# 211
Delta R.T. 0.077 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion: 42 Resp: 72068
Ion Ratio Lower Upper
42 100
74 117.8 90.9 136.3
44 7.5 5.8 8.6

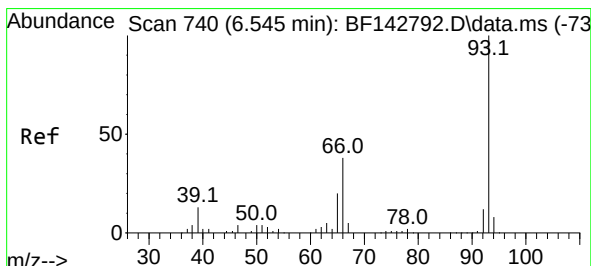
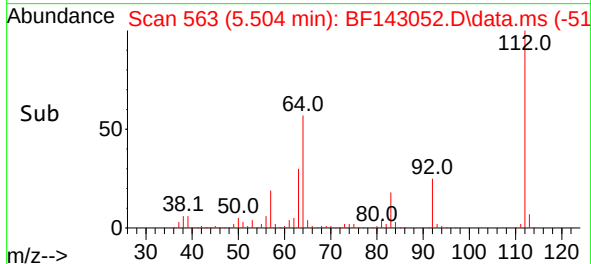
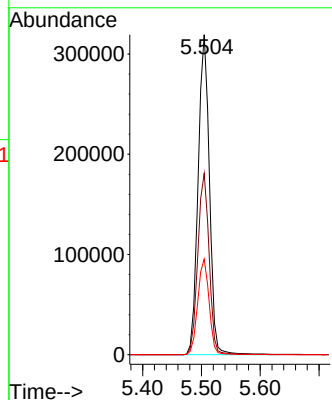
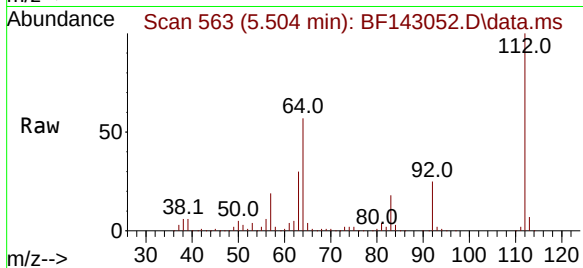




#5
2-Fluorophenol
Concen: 124.982 ng
RT: 5.504 min Scan# 501
Delta R.T. 0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

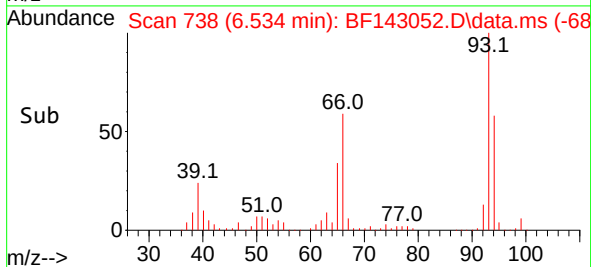
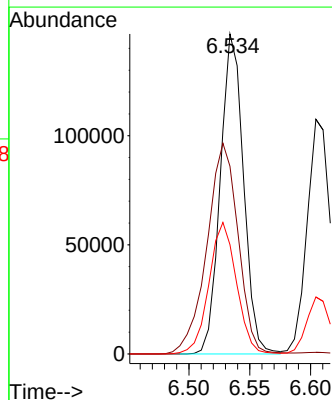
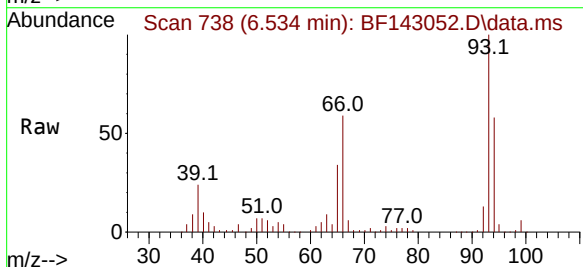
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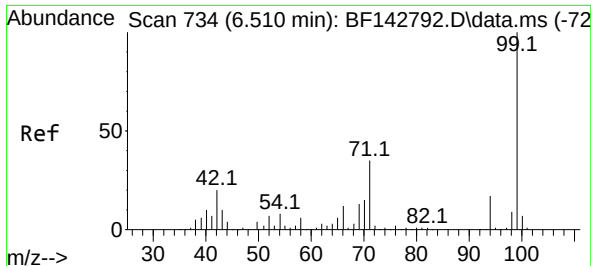
Tgt Ion:112 Resp: 426340
Ion Ratio Lower Upper
112 100
64 56.6 48.2 72.2
63 29.9 25.7 38.5



#6
Aniline
Concen: 36.305 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion: 93 Resp: 194415
Ion Ratio Lower Upper
93 100
66 58.7 31.8 47.6#
65 34.2 16.2 24.2#

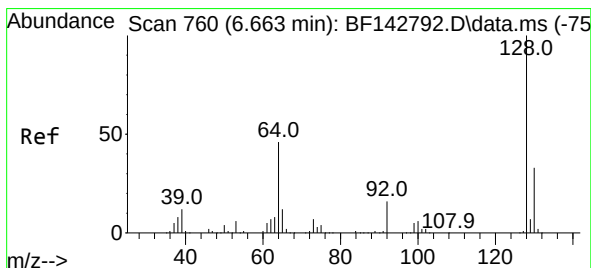
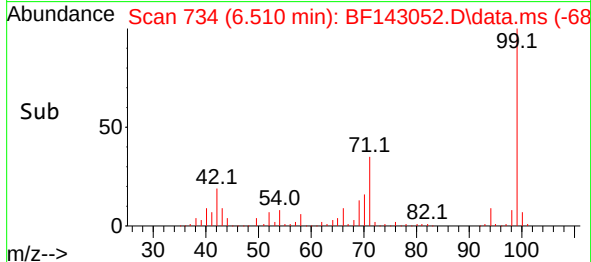
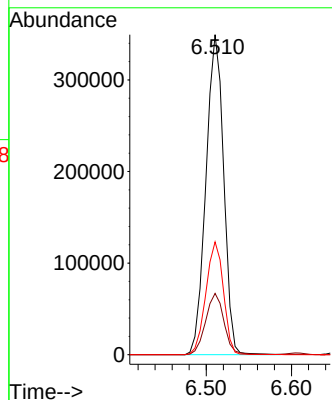
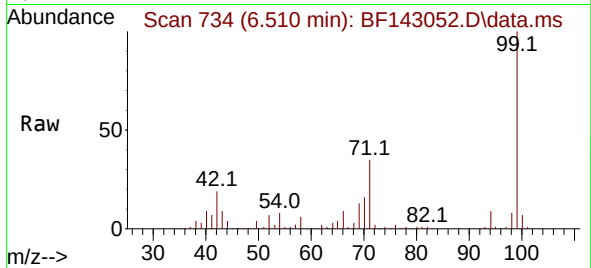




#7
Phenol-d6
Concen: 125.649 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

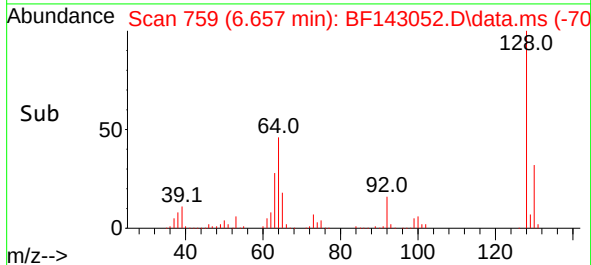
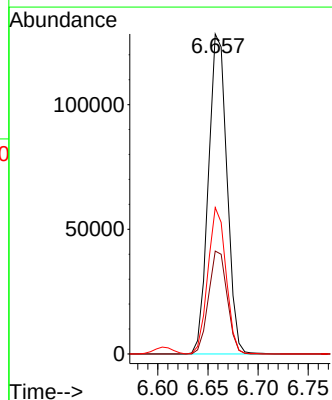
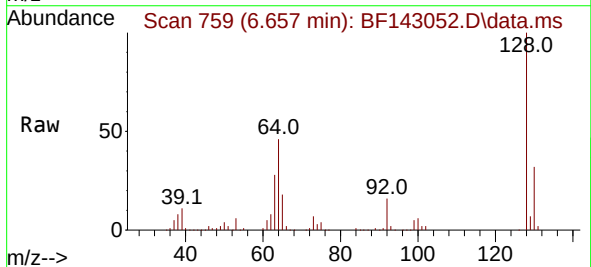
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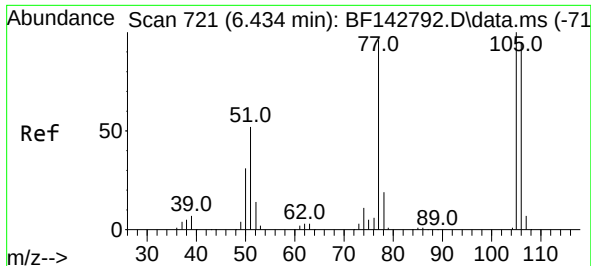
Tgt Ion: 99 Resp: 505681
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 35.3 27.8 41.8



#8
2-Chlorophenol
Concen: 44.897 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:128 Resp: 165209
Ion Ratio Lower Upper
128 100
130 32.2 12.7 52.7
64 45.8 26.5 66.5

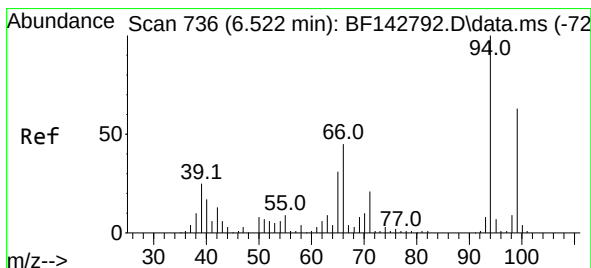
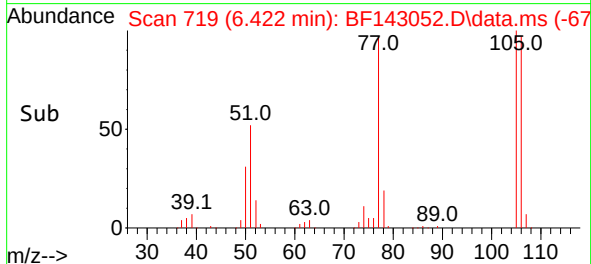
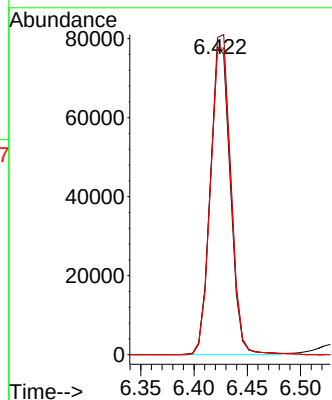
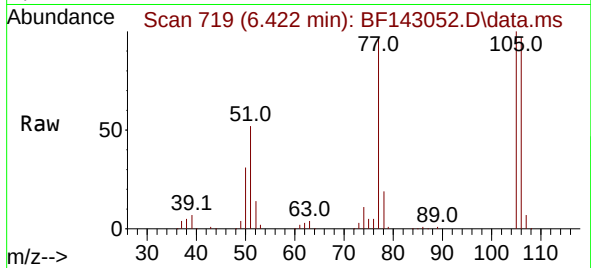




#9
Benzaldehyde
Concen: 42.739 ng
RT: 6.422 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

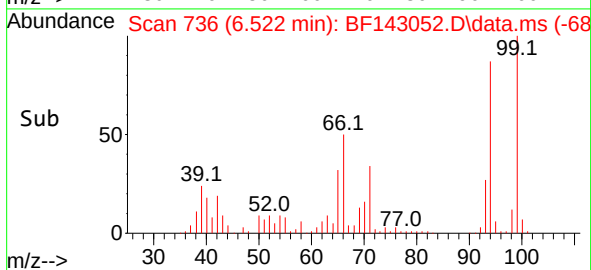
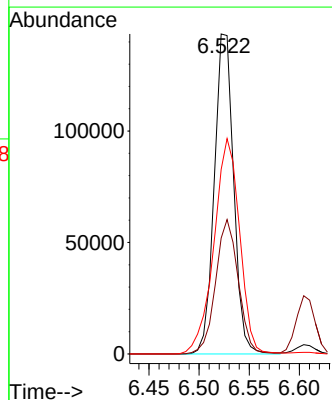
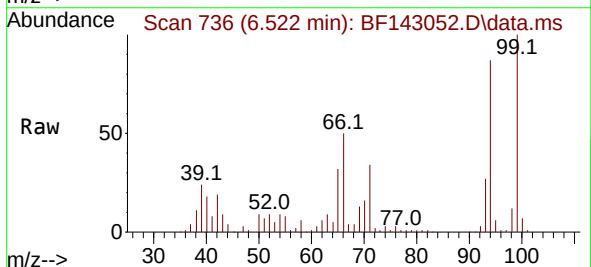
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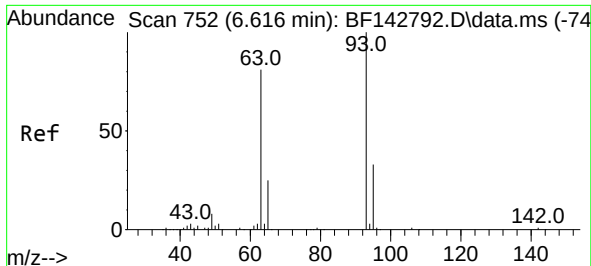
Tgt Ion: 77 Resp: 102046
Ion Ratio Lower Upper
77 100
105 103.2 83.8 123.8
106 99.7 78.7 118.7



#10
Phenol
Concen: 43.131 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF143052.D
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Tgt Ion: 94 Resp: 192952
Ion Ratio Lower Upper
94 100
65 36.2 11.3 51.3
66 57.7 24.9 64.9

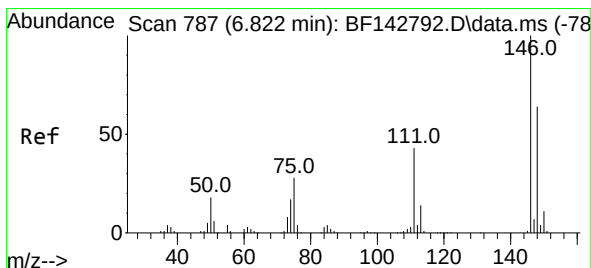
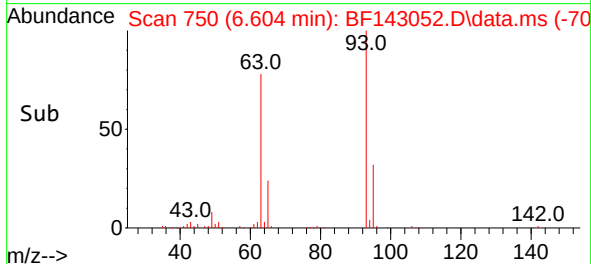
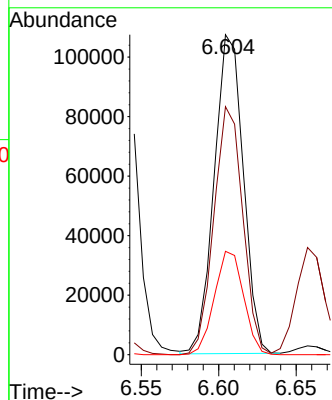
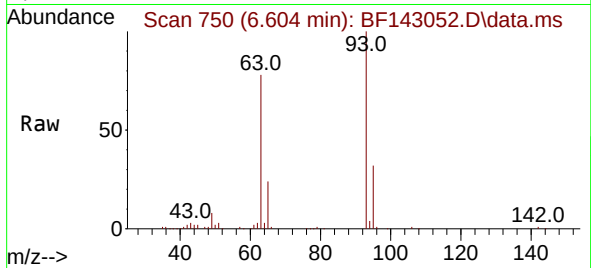




#11
bis(2-Chloroethyl)ether
Concen: 43.816 ng
RT: 6.604 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

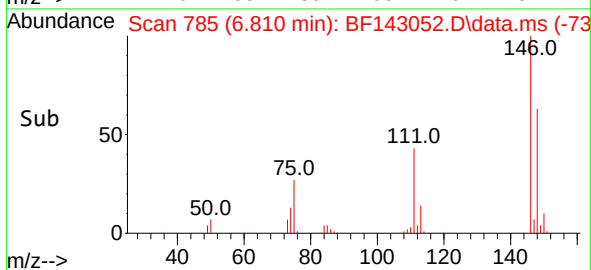
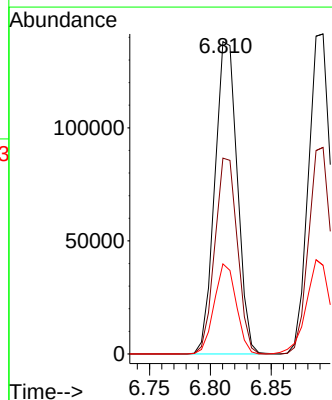
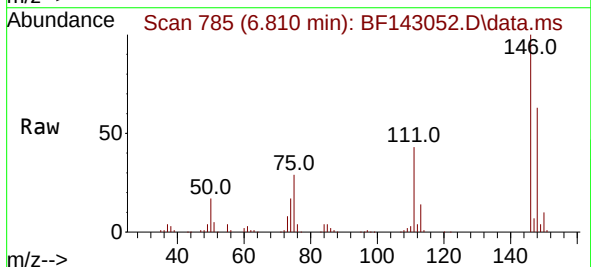
Instrument :
BNA_F
ClientSampleId :
PB168750BS

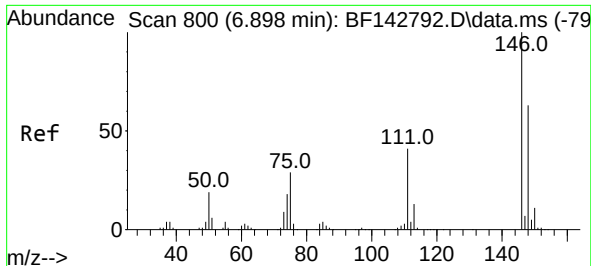
Tgt Ion: 93 Resp: 140095
Ion Ratio Lower Upper
93 100
63 77.5 60.3 100.3
95 32.3 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 43.223 ng
RT: 6.810 min Scan# 785
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:146 Resp: 177878
Ion Ratio Lower Upper
146 100
148 62.7 51.1 76.7
75 28.9 22.7 34.1

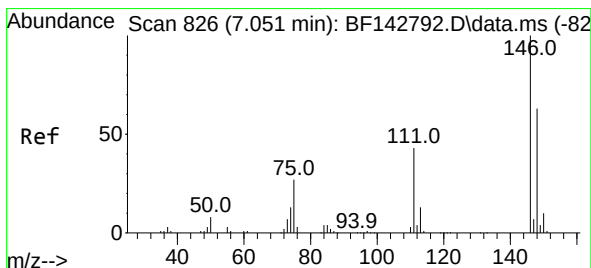
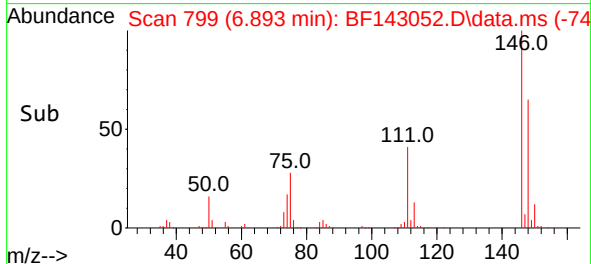
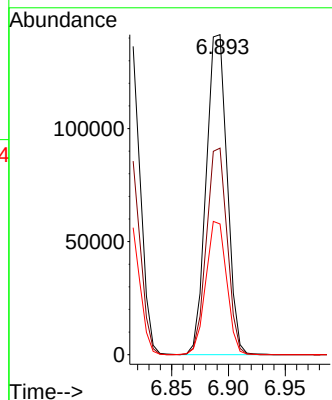
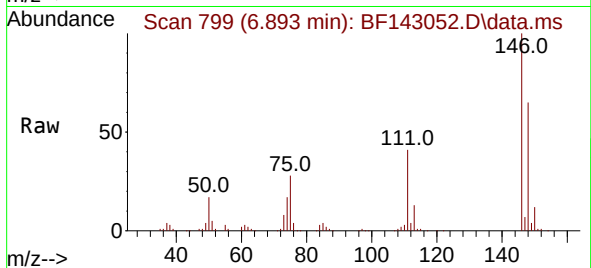




#13
1,4-Dichlorobenzene
Concen: 43.629 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

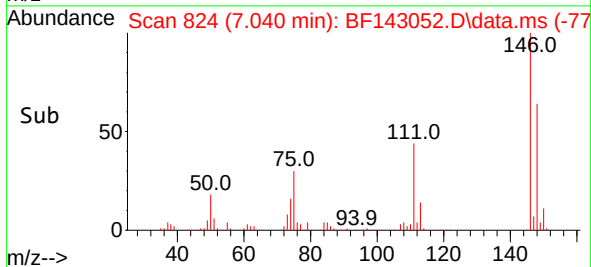
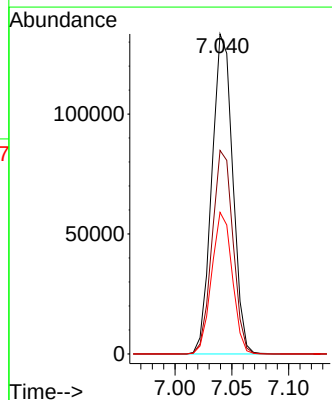
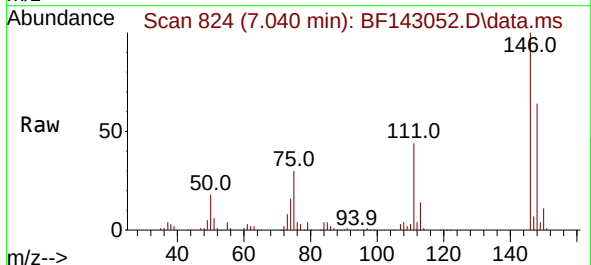
Instrument :
BNA_F
ClientSampleId :
PB168750BS

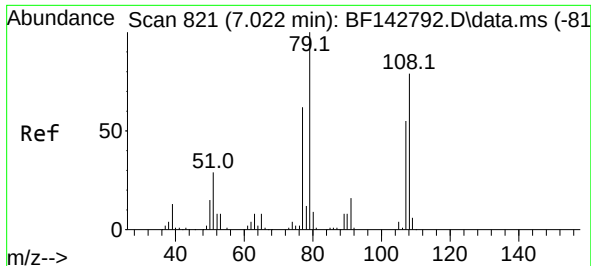
Tgt Ion:146 Resp: 181148
Ion Ratio Lower Upper
146 100
148 64.5 50.2 75.2
111 40.9 33.2 49.8



#14
1,2-Dichlorobenzene
Concen: 43.232 ng
RT: 7.040 min Scan# 824
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:146 Resp: 170255
Ion Ratio Lower Upper
146 100
148 63.6 50.4 75.6
111 44.3 34.1 51.1

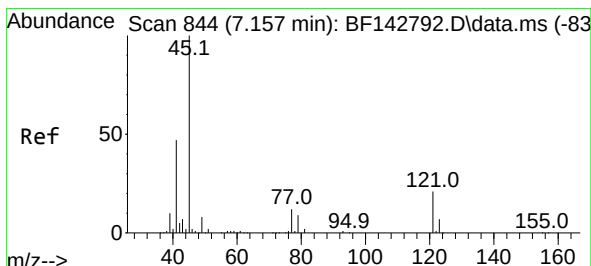
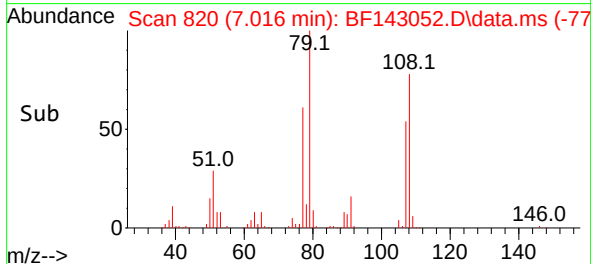
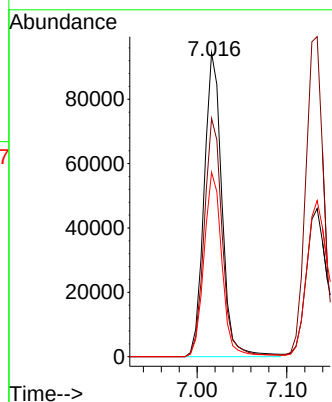
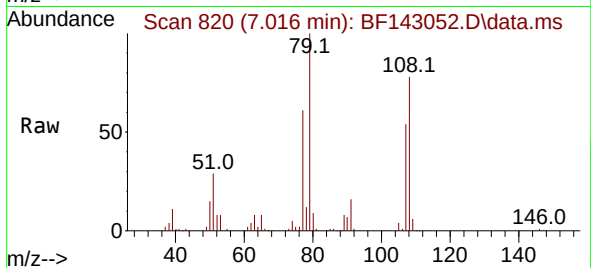




#15
Benzyl Alcohol
Concen: 44.744 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

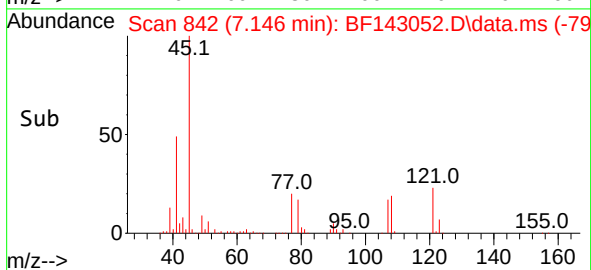
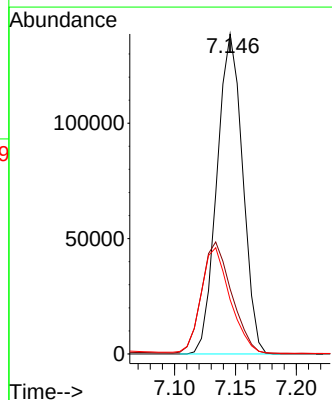
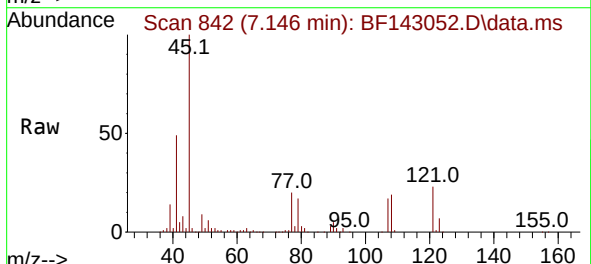
Instrument :
BNA_F
ClientSampleId :
PB168750BS

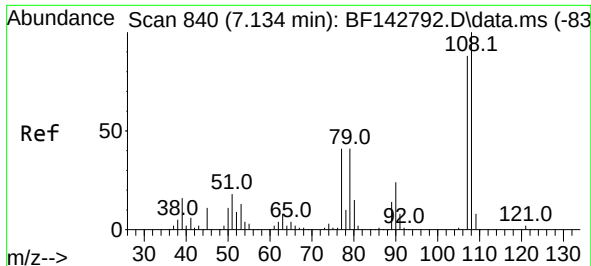
Tgt Ion: 79 Resp: 130183
Ion Ratio Lower Upper
79 100
108 78.4 63.4 95.0
77 60.7 49.5 74.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.609 ng
RT: 7.146 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

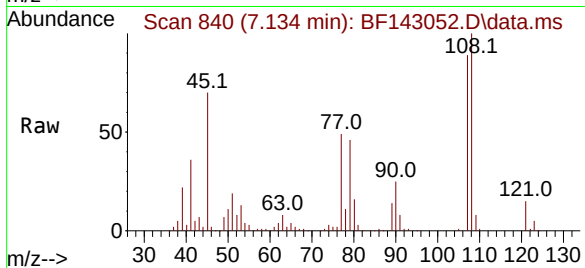
Tgt Ion: 45 Resp: 203469
Ion Ratio Lower Upper
45 100
77 20.3 0.0 32.8
79 16.9 0.0 29.8



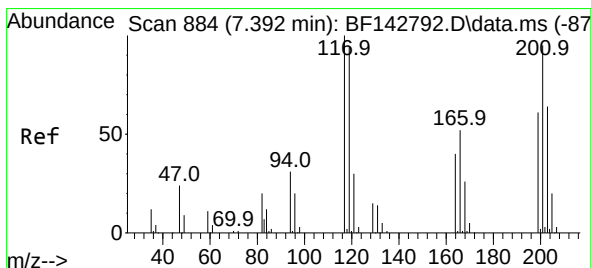
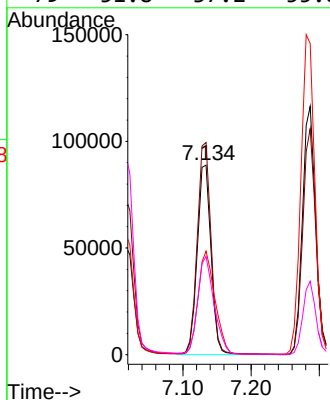
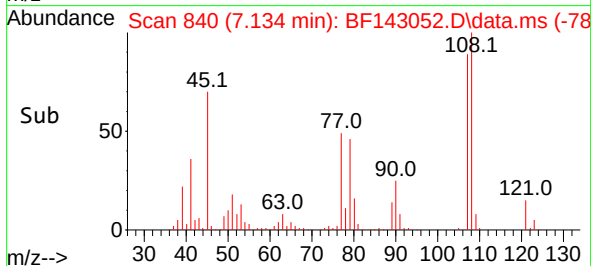


#17
2-Methylphenol
Concen: 45.066 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

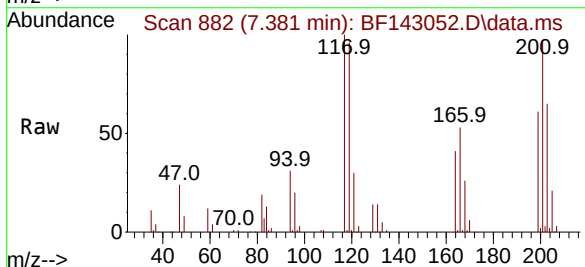
Instrument :
BNA_F
ClientSampleId :
PB168750BS



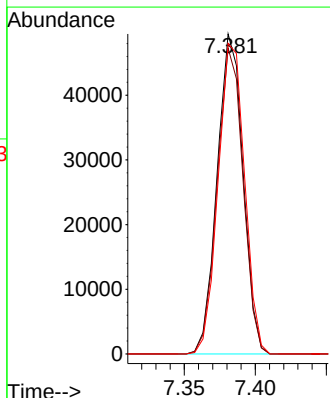
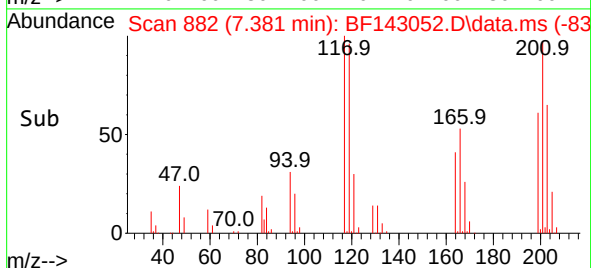
Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.9	90.9	136.3
77	54.6	37.3	55.9
79	51.8	37.2	55.8

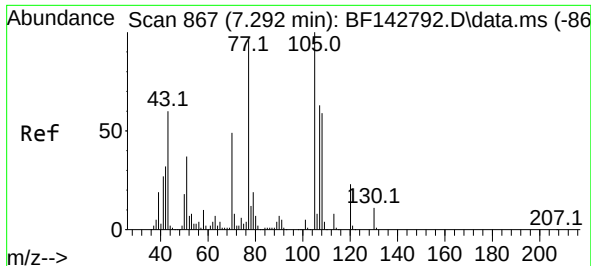


#18
Hexachloroethane
Concen: 43.249 ng
RT: 7.381 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54



Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.4	113.0
201	97.0	75.9	113.9

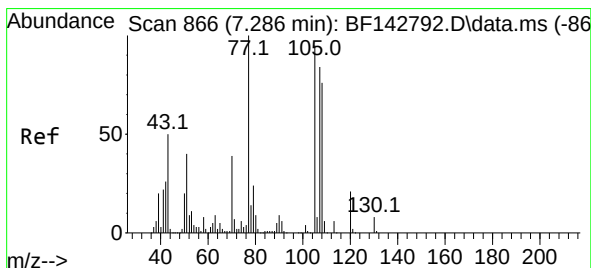
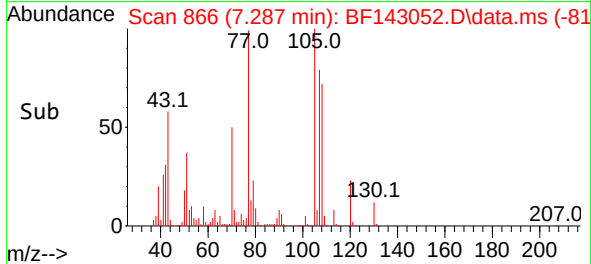
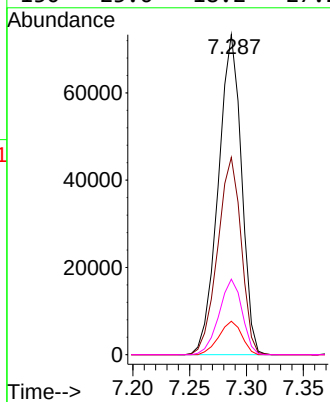
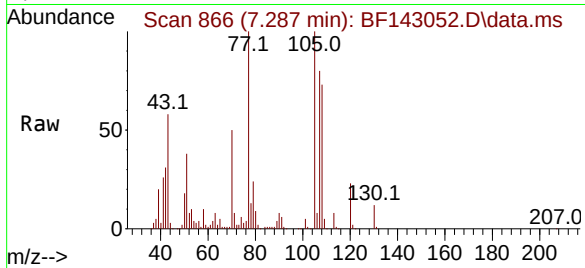




#19
n-Nitroso-di-n-propylamine
Concen: 44.556 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

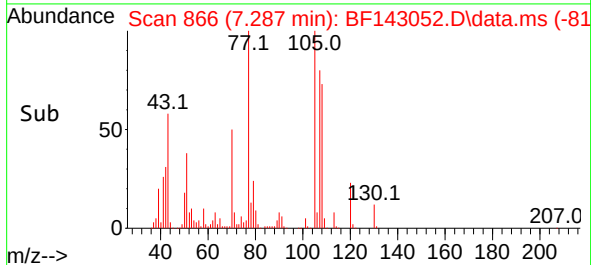
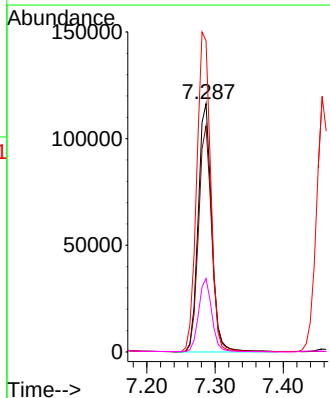
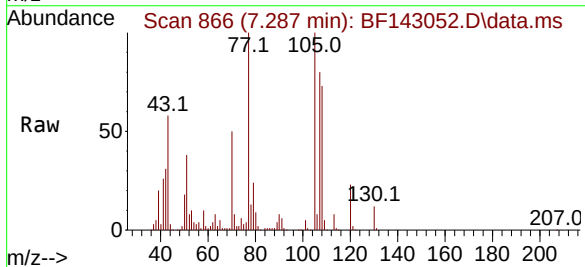
Instrument :
BNA_F
ClientSampleId :
PB168750BS

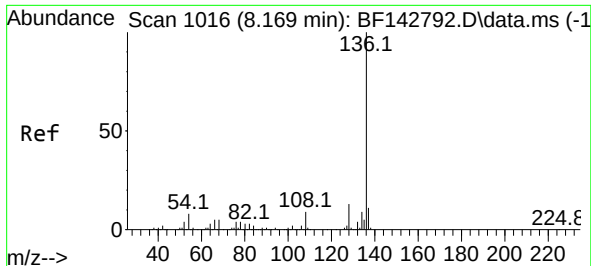
Tgt Ion: 70 Resp: 104292
Ion Ratio Lower Upper
70 100
42 61.6 52.1 78.1
101 10.5 8.2 12.2
130 23.6 18.2 27.2



#20
3+4-Methylphenols
Concen: 45.970 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:107 Resp: 159830
Ion Ratio Lower Upper
107 100
108 91.1 70.0 110.0
77 125.3 98.5 138.5
79 29.6 8.8 48.8

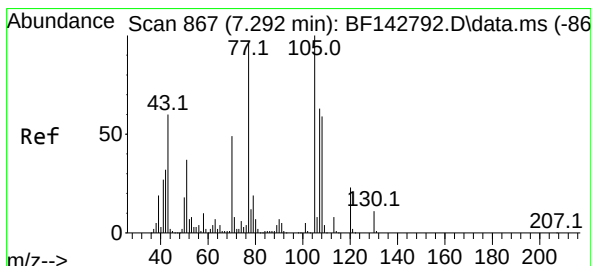
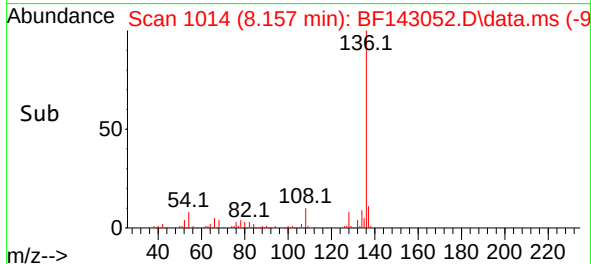
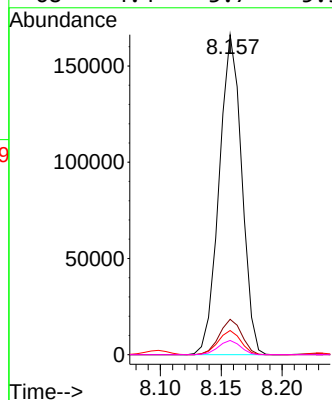
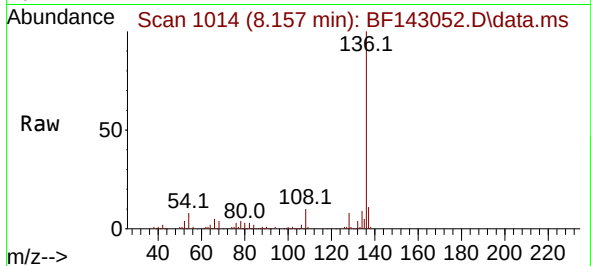




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

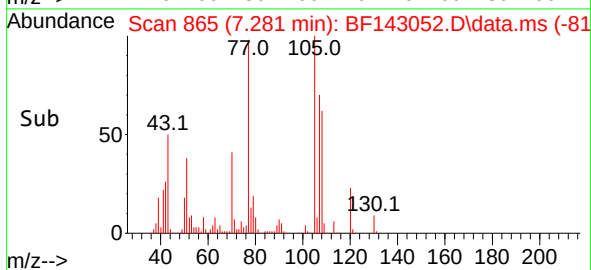
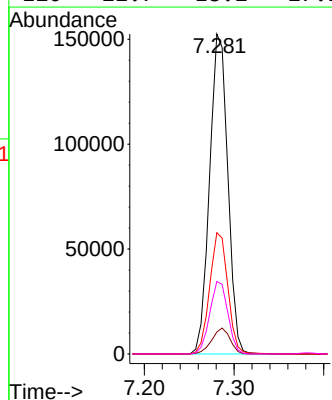
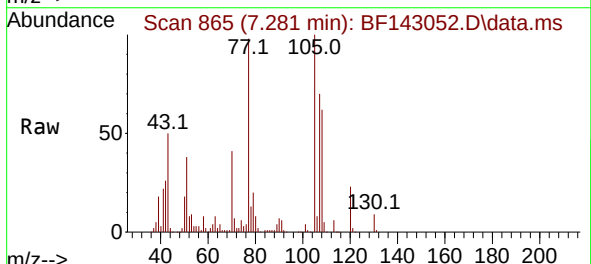
Instrument :
BNA_F
ClientSampleId :
PB168750BS

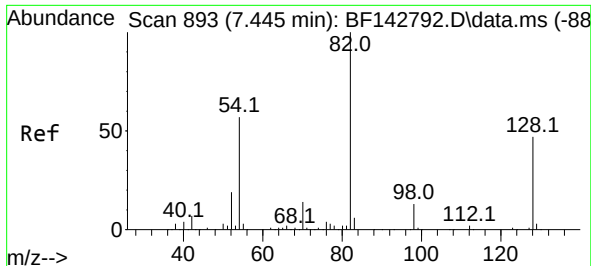
Tgt Ion:	136	Resp:	214539
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.6	6.3	9.5
68	4.4	3.7	5.5



#22
Acetophenone
Concen: 45.376 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:	105	Resp:	214673
Ion	Ratio	Lower	Upper
105	100		
71	6.8	6.5	9.7
51	37.9	29.8	44.8
120	22.7	18.2	27.2





#23

Nitrobenzene-d5

Concen: 78.900 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.005 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

Instrument :

BNA_F

ClientSampleId :

PB168750BS

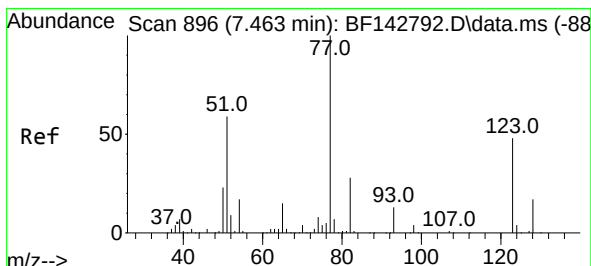
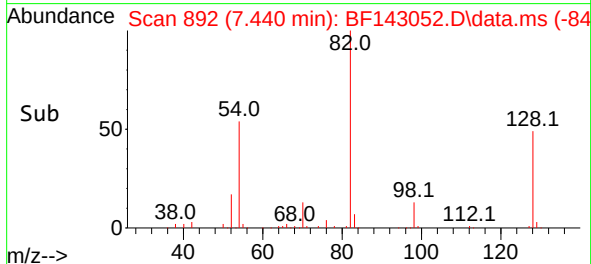
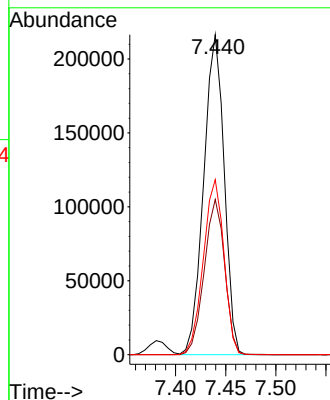
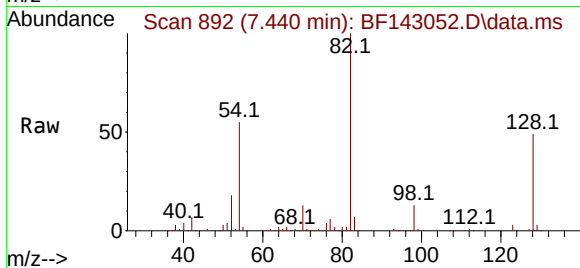
Tgt Ion: 82 Resp: 308602

Ion Ratio Lower Upper

82 100

128 48.5 37.7 56.5

54 54.7 45.7 68.5



#24

Nitrobenzene

Concen: 43.364 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

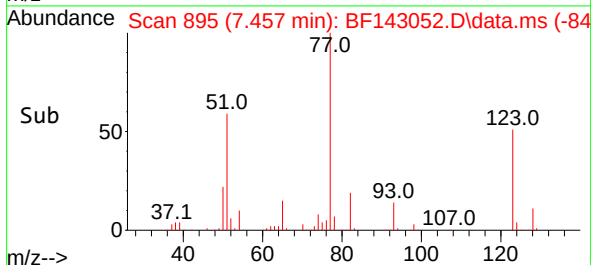
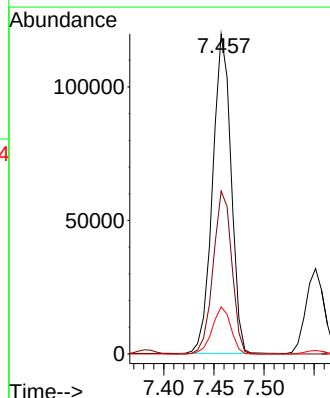
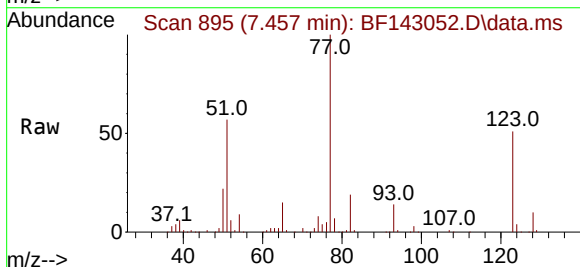
Tgt Ion: 77 Resp: 153515

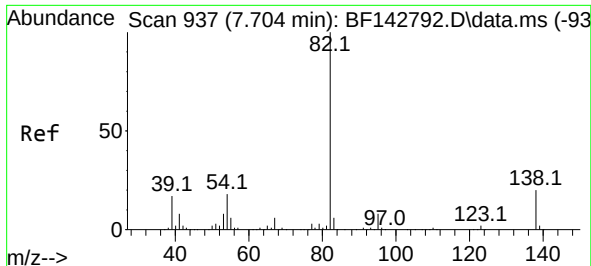
Ion Ratio Lower Upper

77 100

123 50.9 39.2 58.8

65 14.7 11.6 17.4

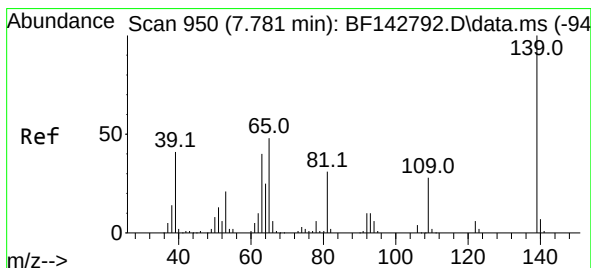
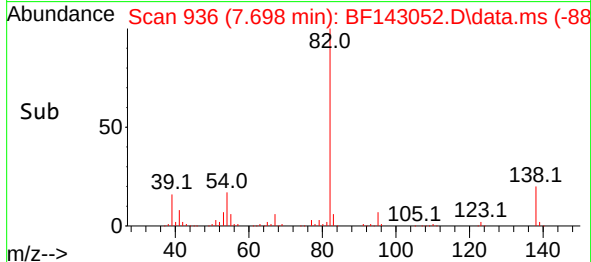
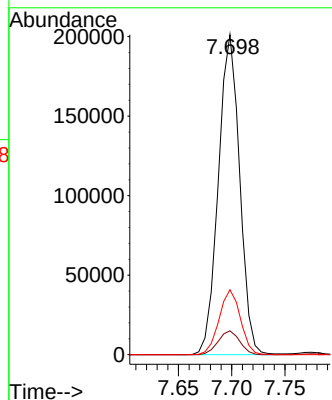
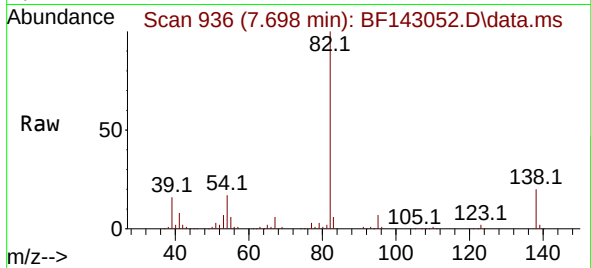




#25
Isophorone
Concen: 44.616 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

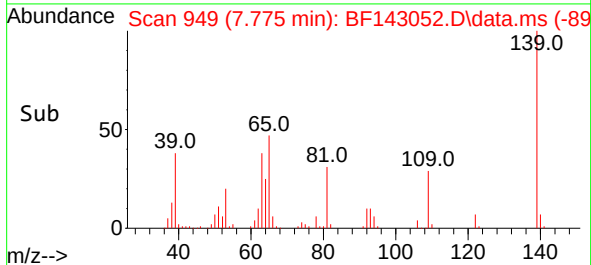
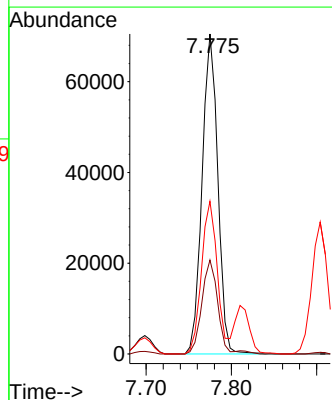
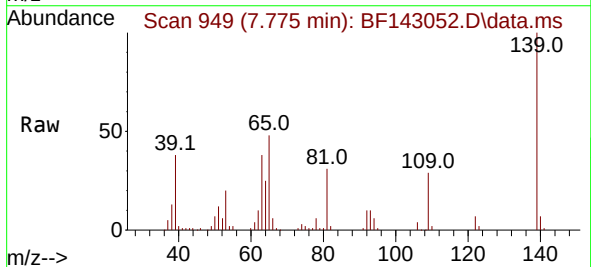
Instrument :
BNA_F
ClientSampleId :
PB168750BS

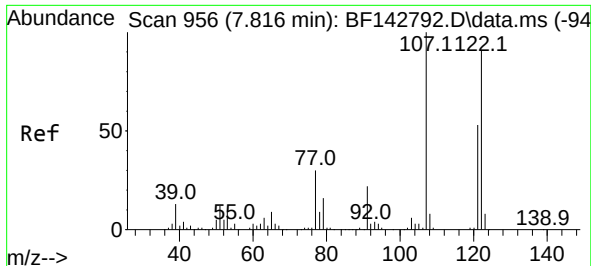
Tgt Ion: 82 Resp: 279937
Ion Ratio Lower Upper
82 100
95 7.5 6.2 9.2
138 20.3 16.2 24.4



#26
2-Nitrophenol
Concen: 46.760 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:139 Resp: 90174
Ion Ratio Lower Upper
139 100
109 29.3 22.7 34.1
65 47.7 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 42.914 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

Instrument :

BNA_F

ClientSampleId :

PB168750BS

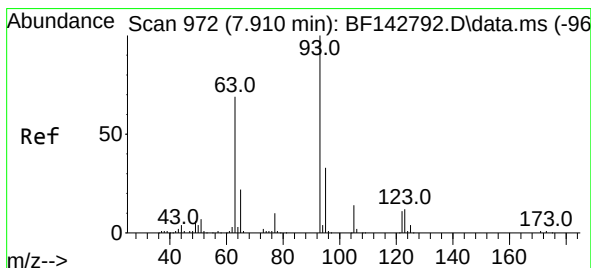
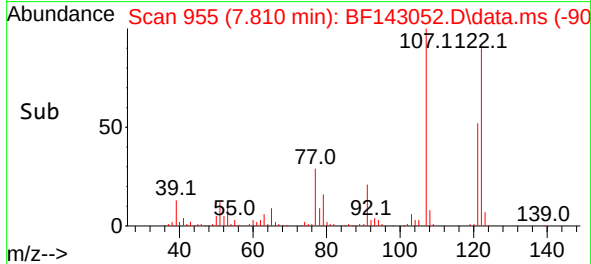
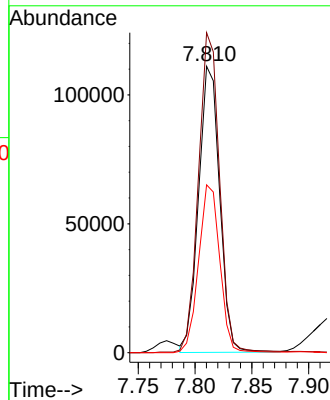
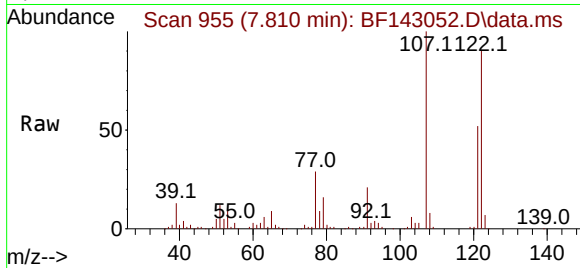
Tgt Ion:122 Resp: 143349

Ion Ratio Lower Upper

122 100

107 111.7 88.0 132.0

121 58.6 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 44.140 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

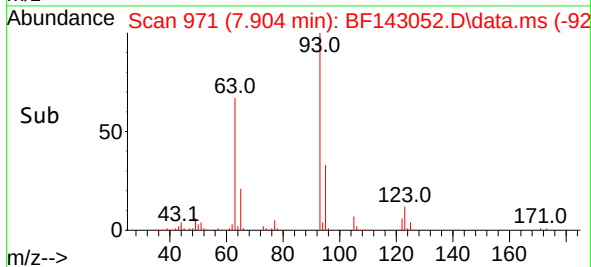
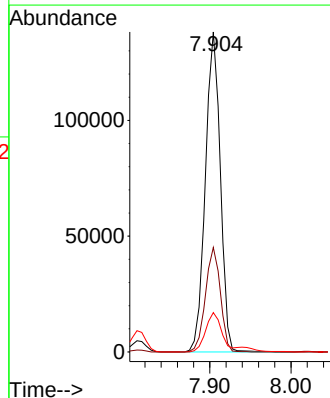
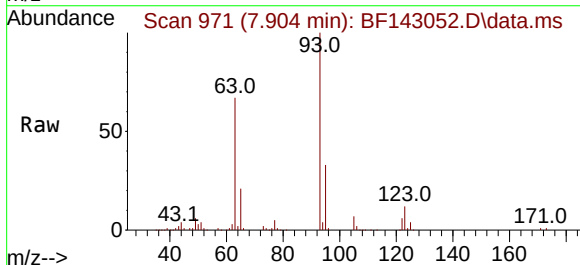
Tgt Ion: 93 Resp: 176073

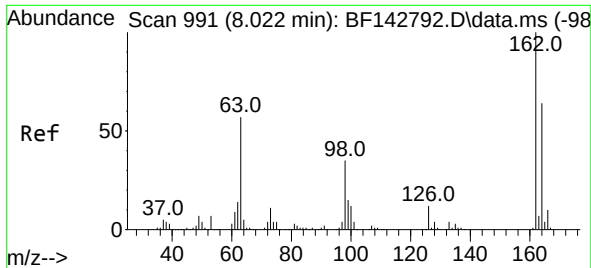
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 12.3 9.9 14.9

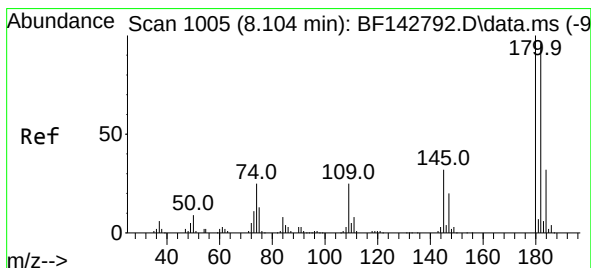
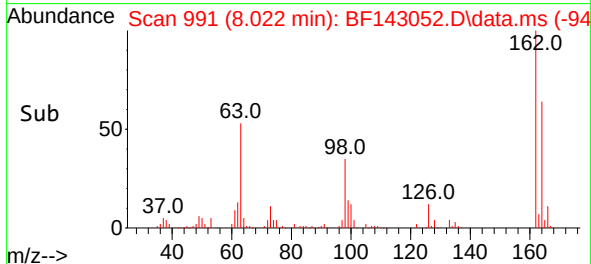
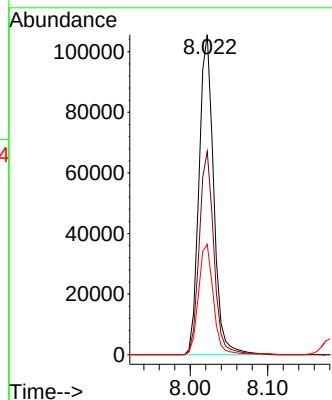
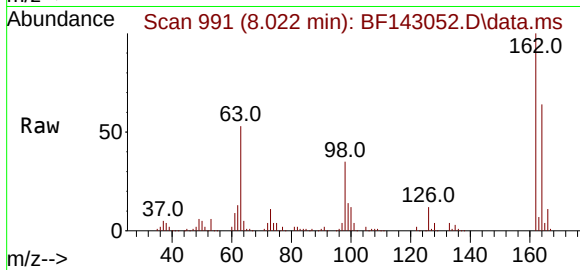




#29
2,4-Dichlorophenol
Concen: 45.823 ng
RT: 8.022 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

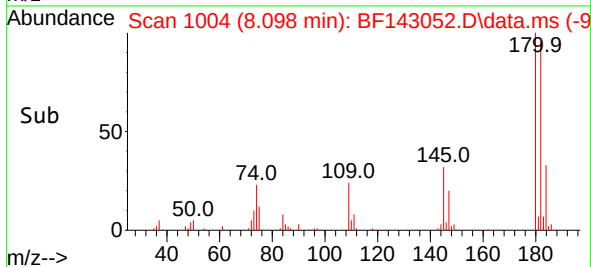
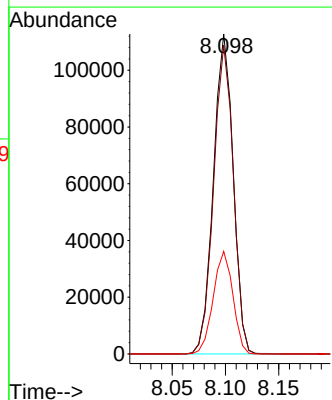
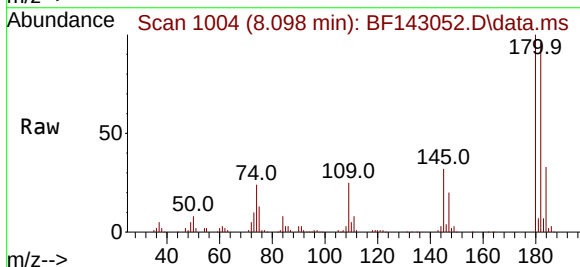
Instrument :
BNA_F
ClientSampleId :
PB168750BS

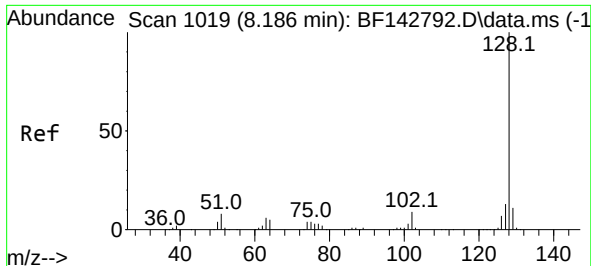
Tgt Ion:162 Resp: 138790
Ion Ratio Lower Upper
162 100
164 63.5 44.0 84.0
98 34.5 15.4 55.4



#30
1,2,4-Trichlorobenzene
Concen: 43.589 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:180 Resp: 145173
Ion Ratio Lower Upper
180 100
182 96.5 76.4 114.6
145 32.1 25.8 38.8

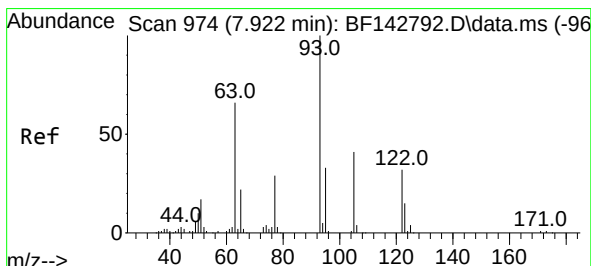
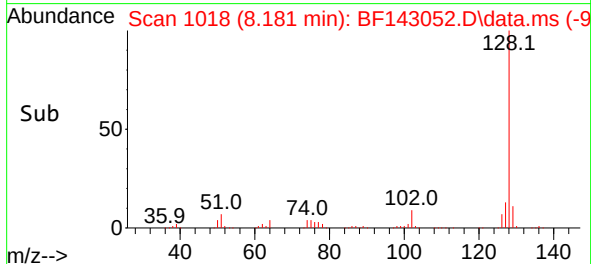
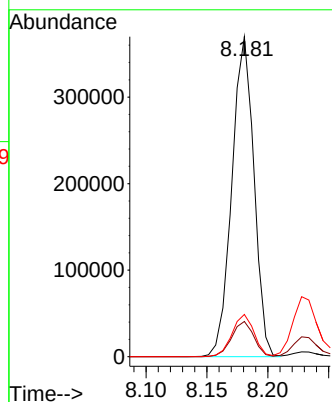
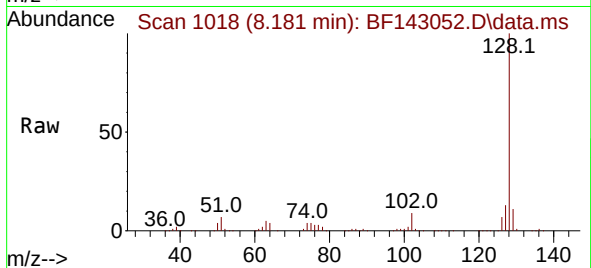




#31
Naphthalene
Concen: 44.481 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

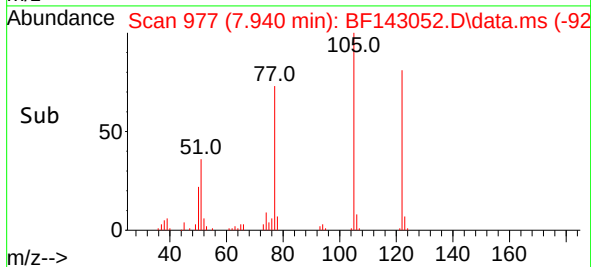
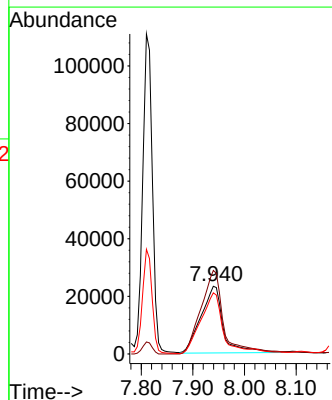
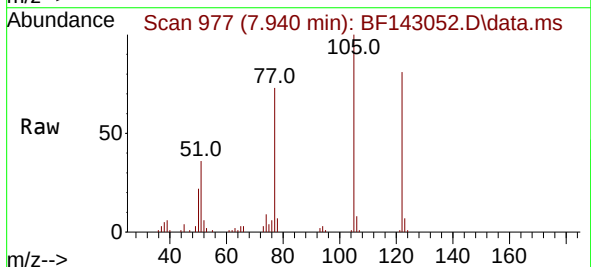
Instrument :
BNA_F
ClientSampleId :
PB168750BS

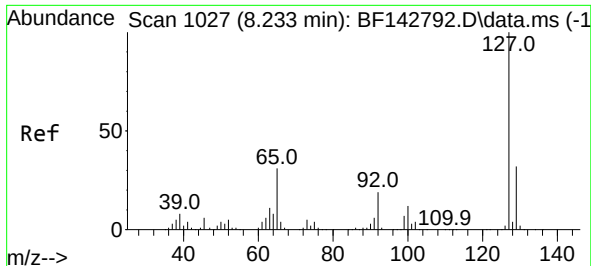
Tgt Ion:128 Resp: 467109
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.2 10.4 15.6



#32
Benzoic acid
Concen: 40.877 ng
RT: 7.940 min Scan# 977
Delta R.T. 0.018 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:122 Resp: 69596
Ion Ratio Lower Upper
122 100
105 123.3 104.7 144.7
77 90.3 70.2 110.2



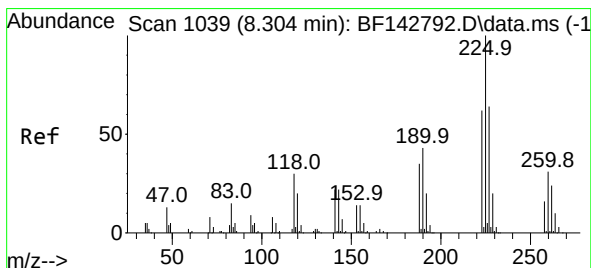
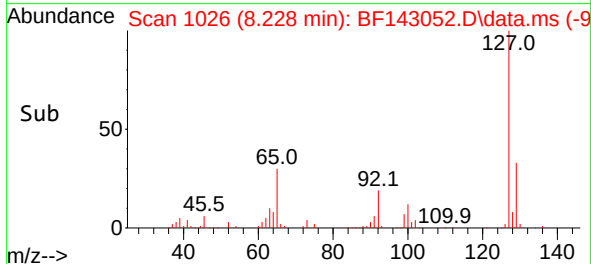
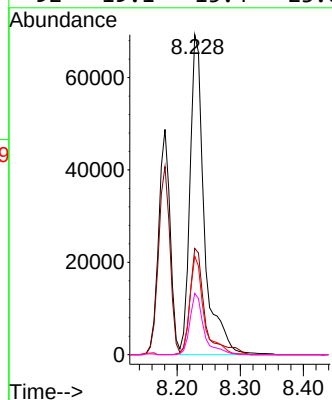
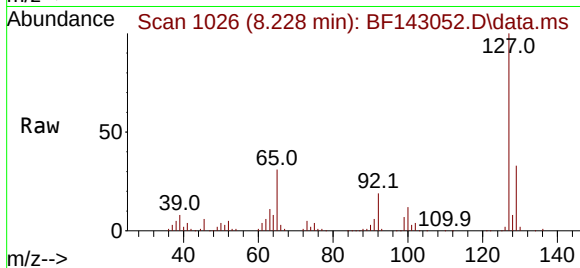


#33
4-Chloroaniline
Concen: 25.744 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Instrument :
BNA_F
ClientSampleId :
PB168750BS

Tgt Ion:127 Resp: 109926

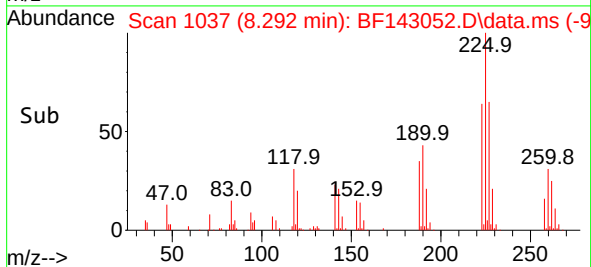
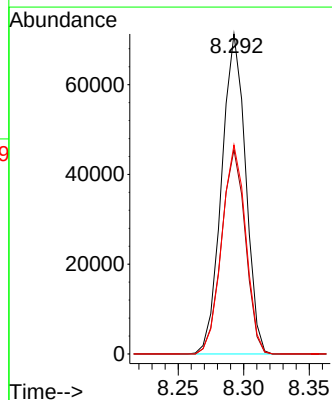
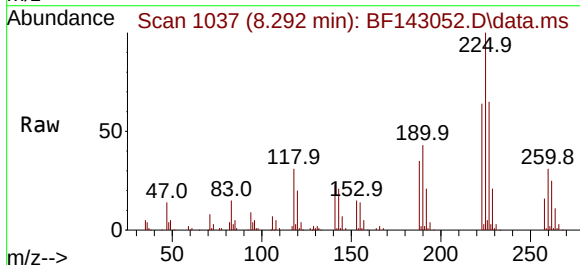
Ion	Ratio	Lower	Upper
127	100		
129	33.2	25.9	38.9
65	30.8	24.6	36.8
92	19.1	15.4	23.0

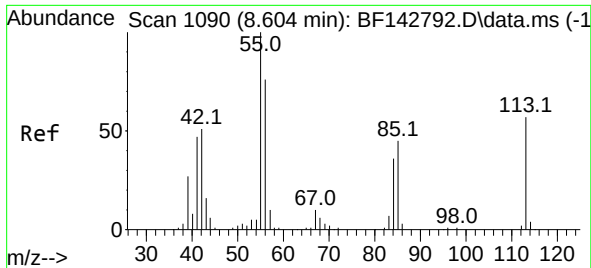


#34
Hexachlorobutadiene
Concen: 44.435 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:225 Resp: 90524

Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.9	74.9
227	65.3	51.4	77.0

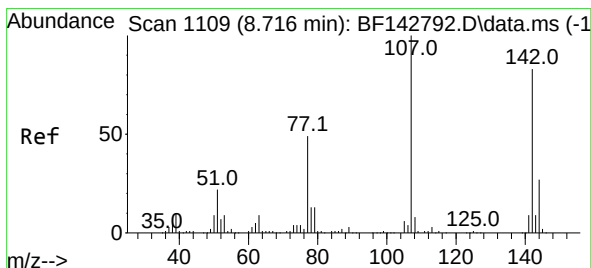
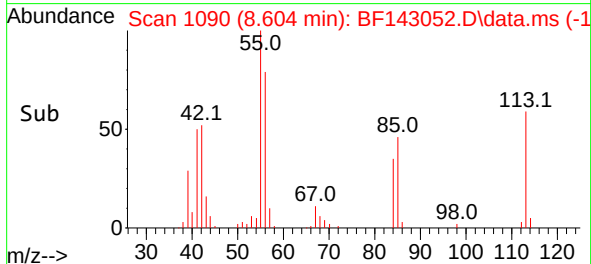
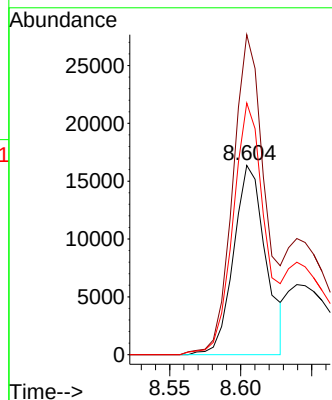
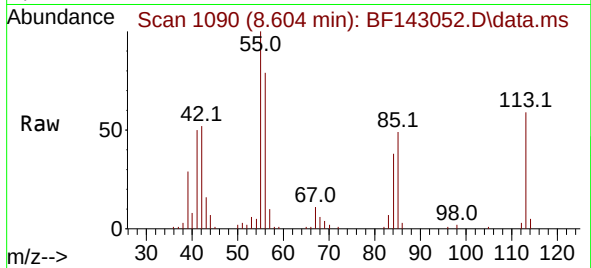




#35
 Caprolactam
 Concen: 32.246 ng
 RT: 8.604 min Scan# 1090
 Delta R.T. 0.000 min
 Lab File: BF143052.D
 Acq: 09 Jul 2025 12:54

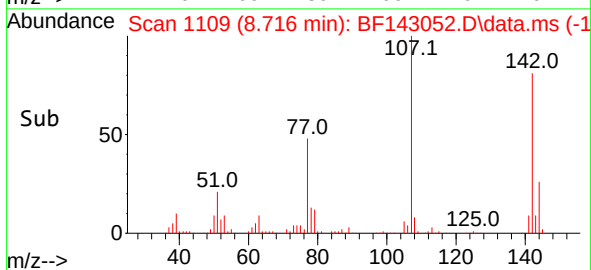
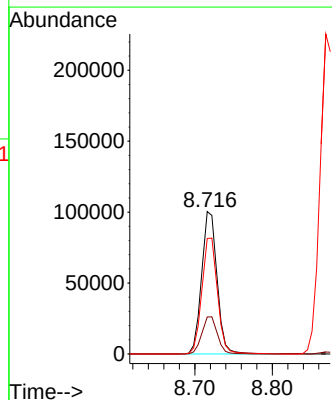
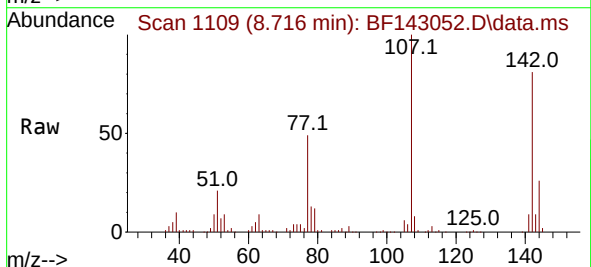
Instrument :
 BNA_F
 ClientSampleId :
 PB168750BS

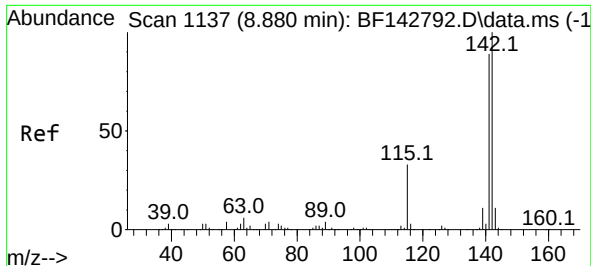
Tgt Ion:113 Resp: 25772
 Ion Ratio Lower Upper
 113 100
 55 169.0 154.4 194.4
 56 133.0 112.1 152.1



#36
 4-Chloro-3-methylphenol
 Concen: 46.191 ng
 RT: 8.716 min Scan# 1109
 Delta R.T. 0.000 min
 Lab File: BF143052.D
 Acq: 09 Jul 2025 12:54

Tgt Ion:107 Resp: 139043
 Ion Ratio Lower Upper
 107 100
 144 26.0 21.3 31.9
 142 81.1 66.6 100.0





#37

2-Methylnaphthalene

Concen: 45.149 ng

RT: 8.869 min Scan# 1135

Delta R.T. -0.012 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

Instrument :

BNA_F

ClientSampleId :

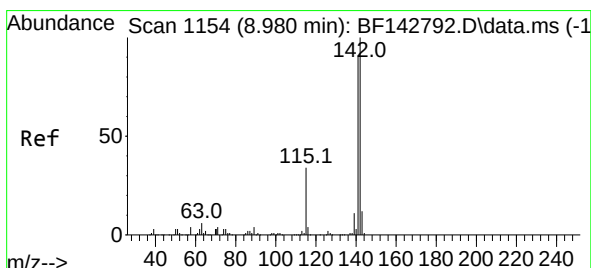
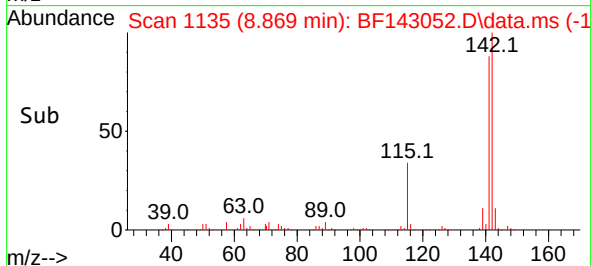
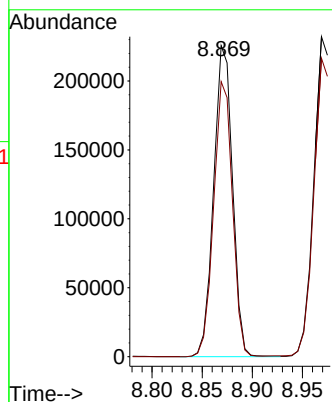
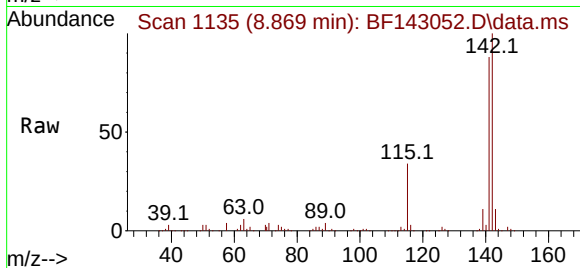
PB168750BS

Tgt Ion:142 Resp: 293943

Ion Ratio Lower Upper

142 100

141 88.4 70.9 106.3



#38

1-Methylnaphthalene

Concen: 44.739 ng

RT: 8.969 min Scan# 1152

Delta R.T. -0.012 min

Lab File: BF143052.D

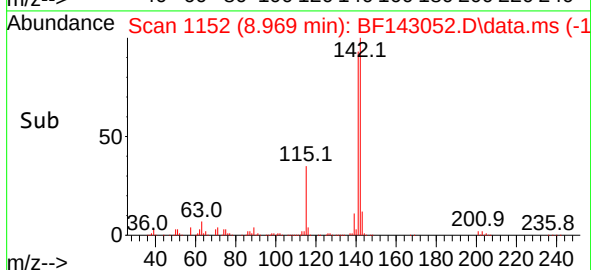
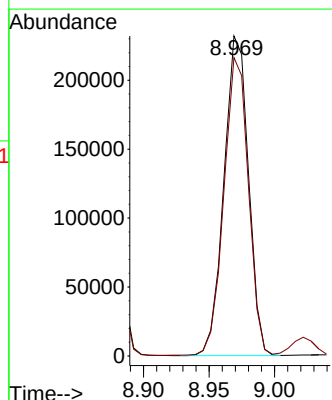
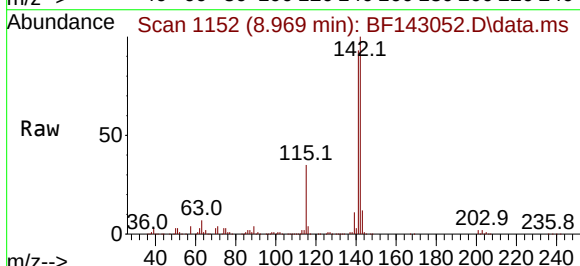
Acq: 09 Jul 2025 12:54

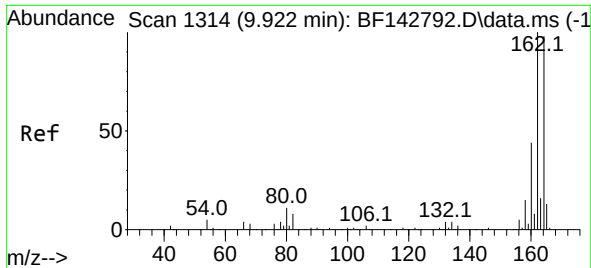
Tgt Ion:142 Resp: 301516

Ion Ratio Lower Upper

142 100

141 93.3 73.0 109.4

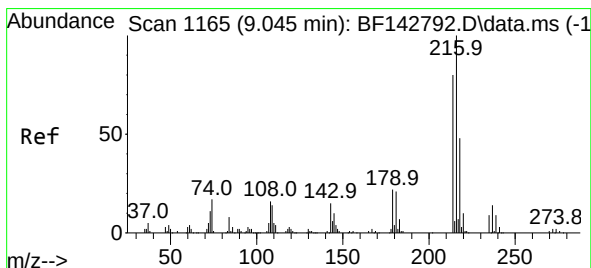
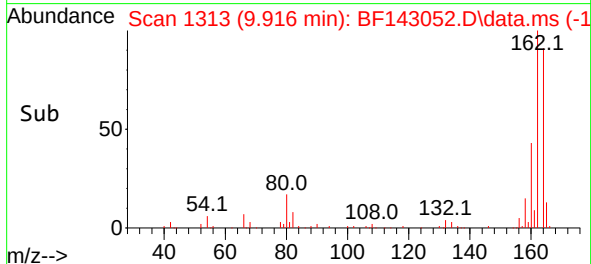
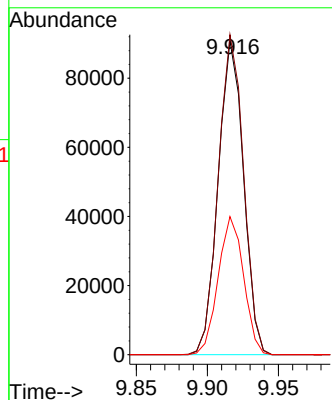
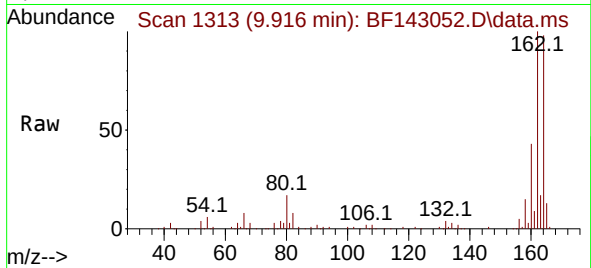




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1113
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

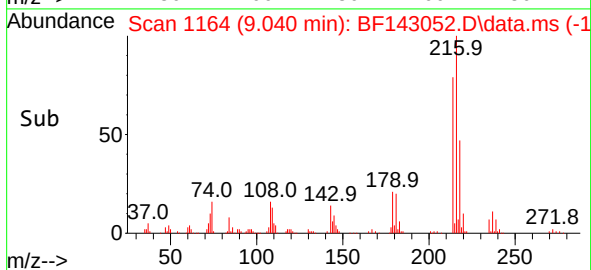
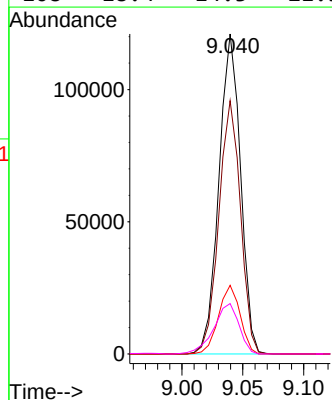
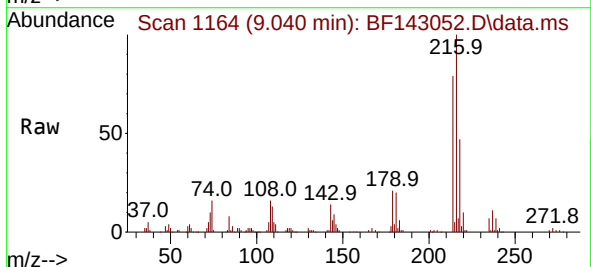
Instrument :
BNA_F
ClientSampleId :
PB168750BS

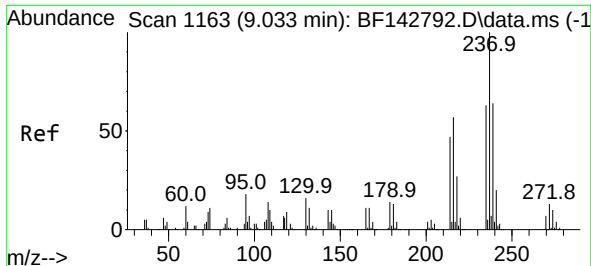
Tgt Ion:164 Resp: 112458
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.8
160 44.0 36.0 54.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.049 ng
RT: 9.040 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

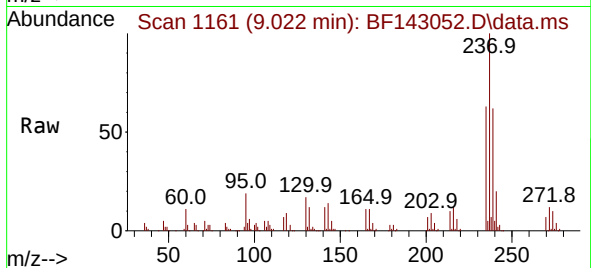
Tgt Ion:216 Resp: 149486
Ion Ratio Lower Upper
216 100
214 79.3 63.7 95.5
179 21.5 17.6 26.4
108 18.4 14.3 21.5



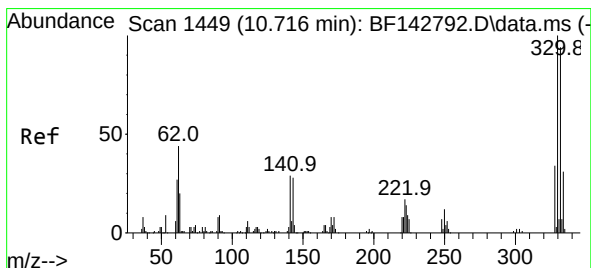
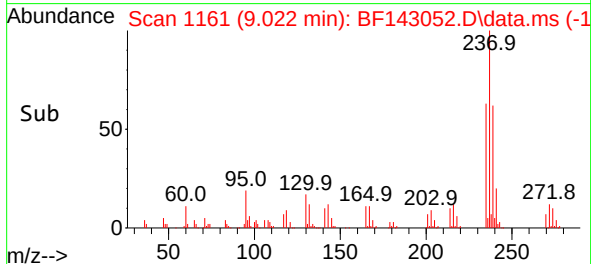
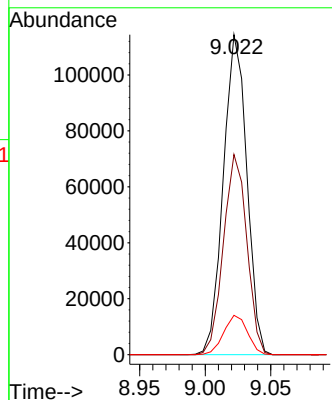


#41
Hexachlorocyclopentadiene
Concen: 75.626 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Instrument :
BNA_F
ClientSampleId :
PB168750BS

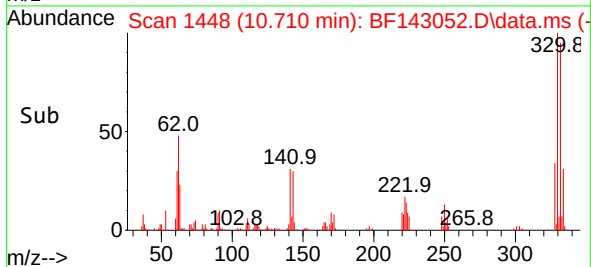
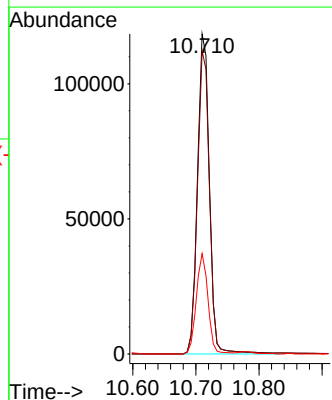
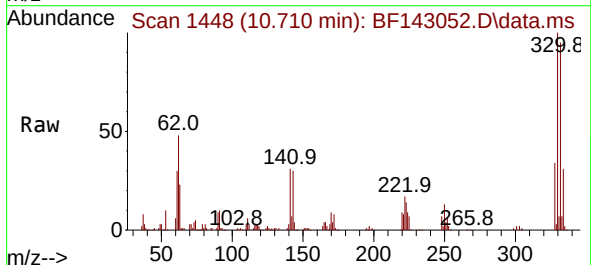


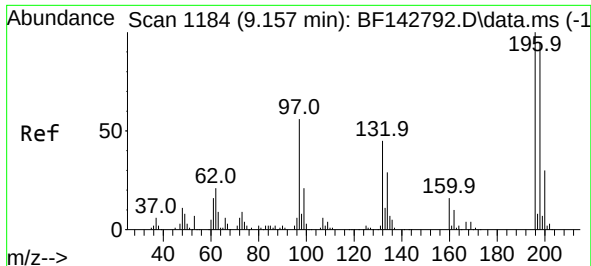
Tgt Ion:237 Resp: 142408
Ion Ratio Lower Upper
237 100
235 62.5 43.4 83.4
272 12.3 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 134.568 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:330 Resp: 155731
Ion Ratio Lower Upper
330 100
332 95.4 75.0 112.6
141 30.6 25.3 37.9

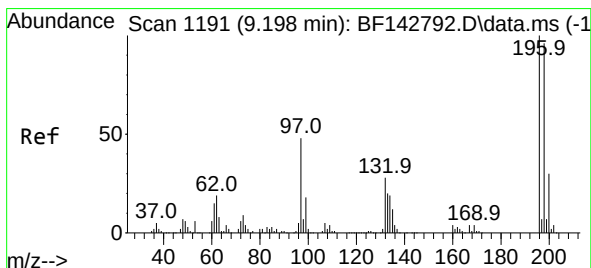
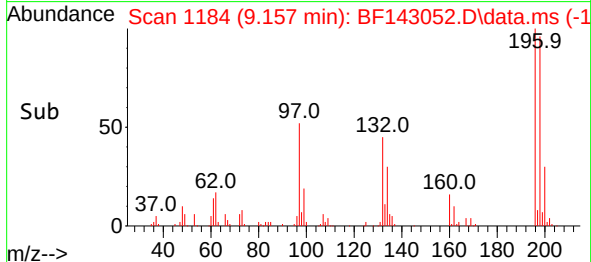
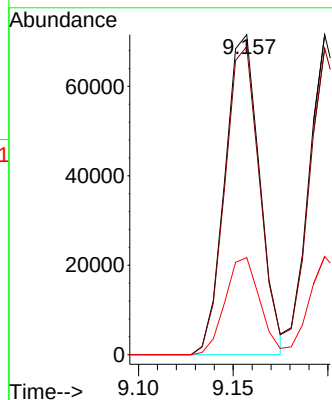
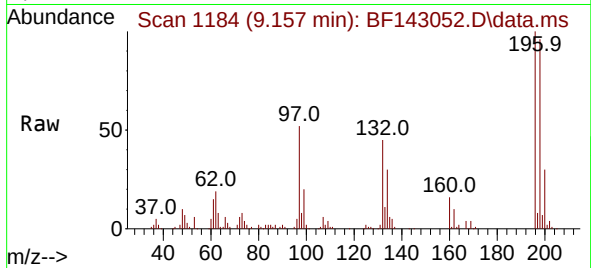




#43
2,4,6-Trichlorophenol
Concen: 42.235 ng
RT: 9.157 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

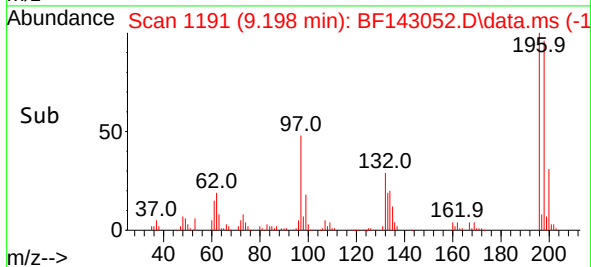
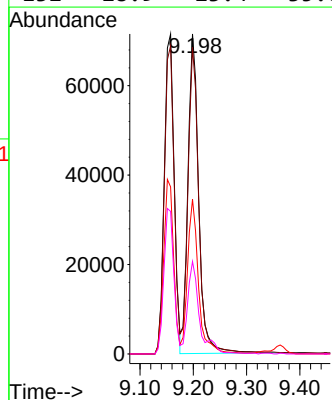
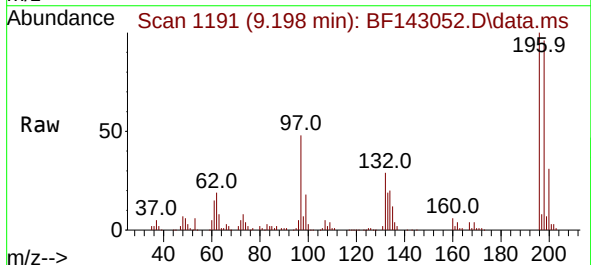
Instrument :
BNA_F
ClientSampleId :
PB168750BS

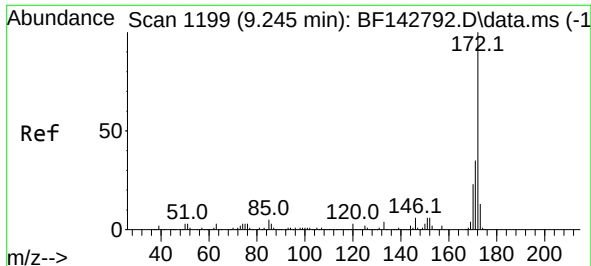
Tgt Ion:196 Resp: 91324
Ion Ratio Lower Upper
196 100
198 96.3 76.2 114.2
200 30.4 24.1 36.1



#44
2,4,5-Trichlorophenol
Concen: 44.007 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:196 Resp: 100167
Ion Ratio Lower Upper
196 100
198 95.8 76.6 115.0
97 48.3 38.2 57.2
132 28.9 23.4 35.0

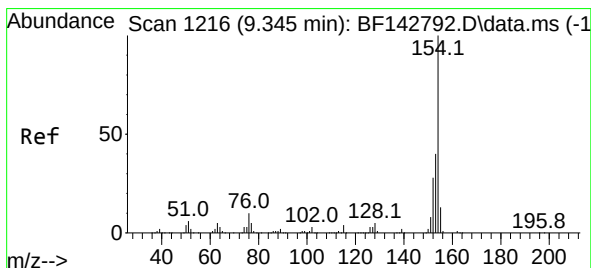
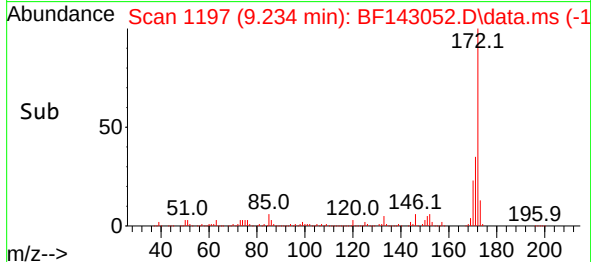
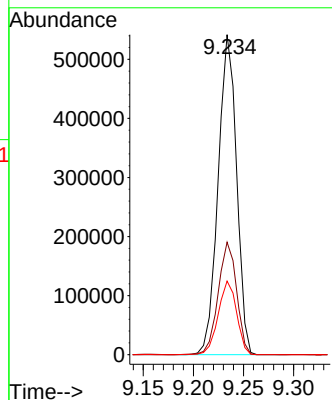
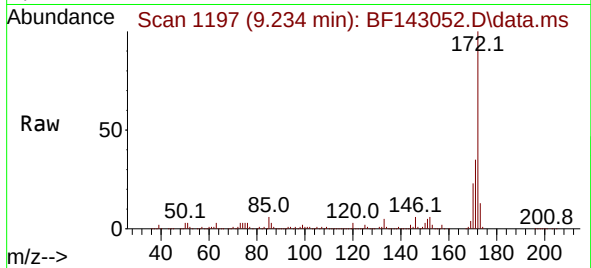




#45
2-Fluorobiphenyl
Concen: 80.686 ng
RT: 9.234 min Scan# 1199
Delta R.T. -0.011 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

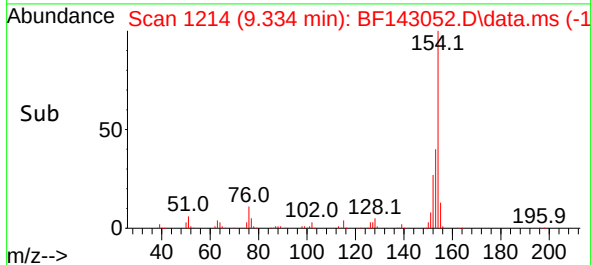
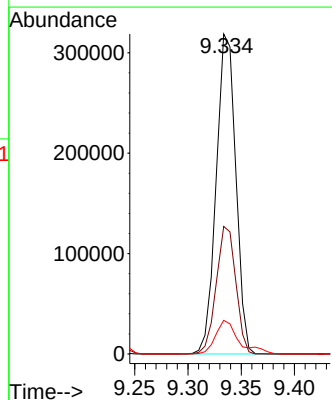
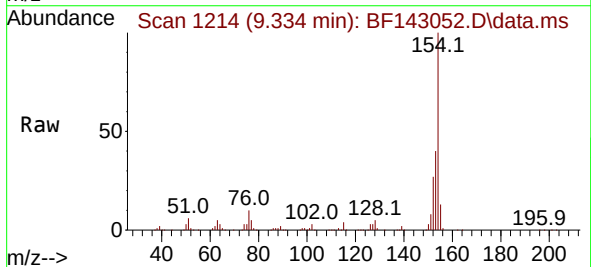
Instrument :
BNA_F
ClientSampleId :
PB168750BS

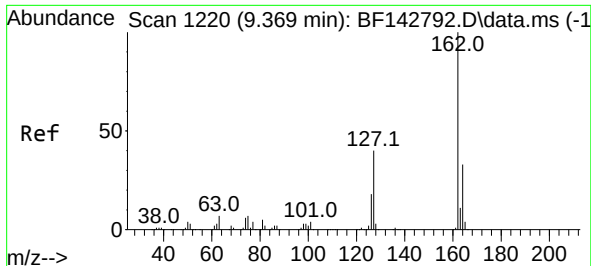
Tgt Ion:172 Resp: 690721
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 23.0 18.5 27.7



#46
1,1'-Biphenyl
Concen: 45.811 ng
RT: 9.334 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:154 Resp: 406969
Ion Ratio Lower Upper
154 100
153 39.8 20.3 60.3
76 10.5 0.0 30.3

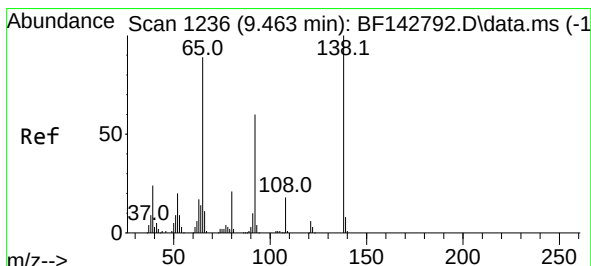
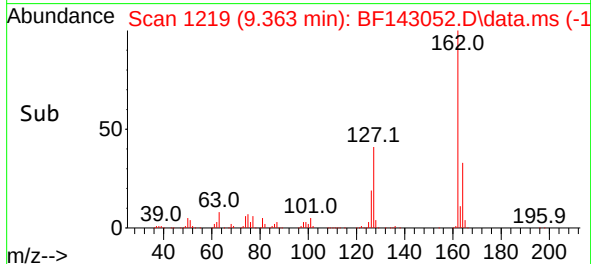
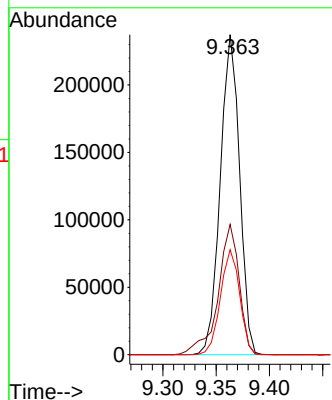
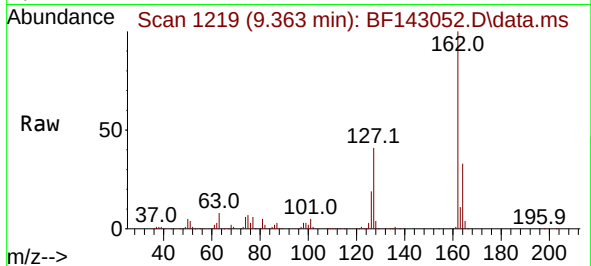




#47
2-Chloronaphthalene
Concen: 44.748 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

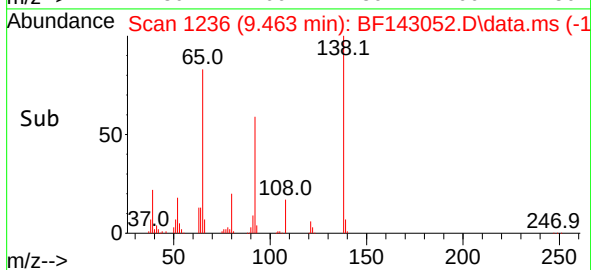
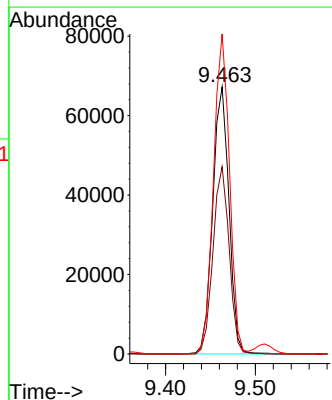
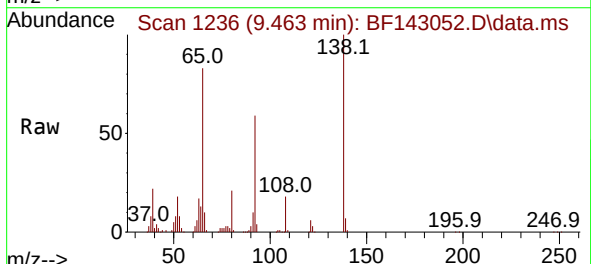
Instrument :
BNA_F
ClientSampleId :
PB168750BS

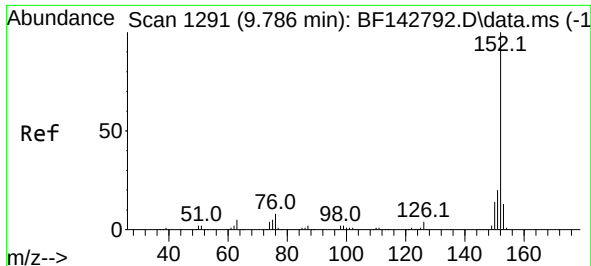
Tgt Ion:162 Resp: 298312
Ion Ratio Lower Upper
162 100
127 40.7 32.2 48.2
164 32.8 26.1 39.1



#48
2-Nitroaniline
Concen: 45.300 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion: 65 Resp: 84665
Ion Ratio Lower Upper
65 100
92 70.1 53.8 80.6
138 119.8 89.6 134.4





#49

Acenaphthylene

Concen: 45.203 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

Instrument :

BNA_F

ClientSampleId :

PB168750BS

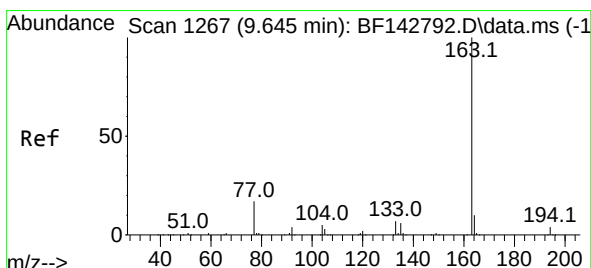
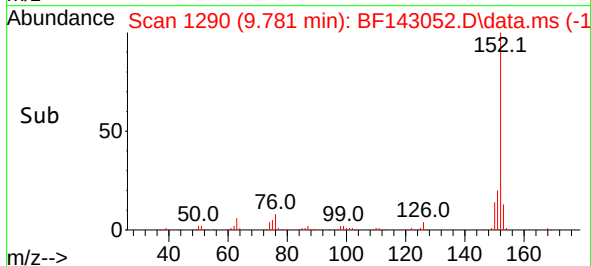
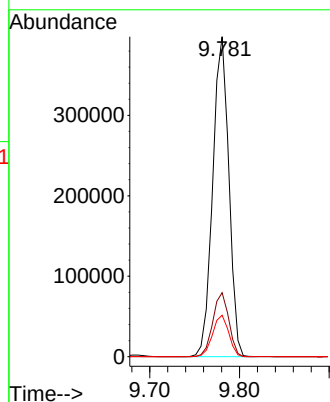
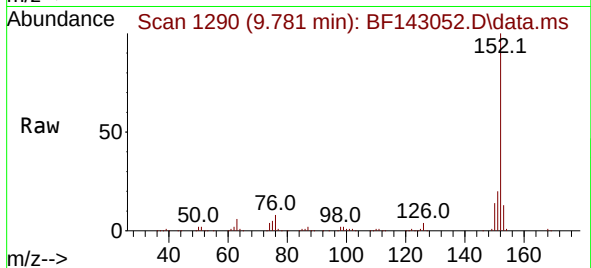
Tgt Ion:152 Resp: 496079

Ion Ratio Lower Upper

152 100

151 20.0 16.1 24.1

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 47.611 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

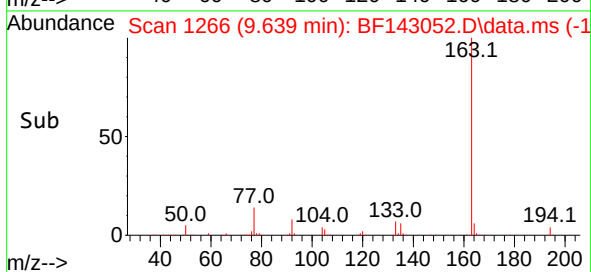
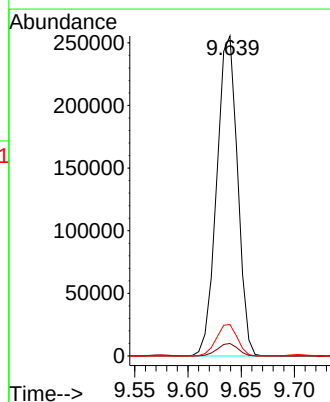
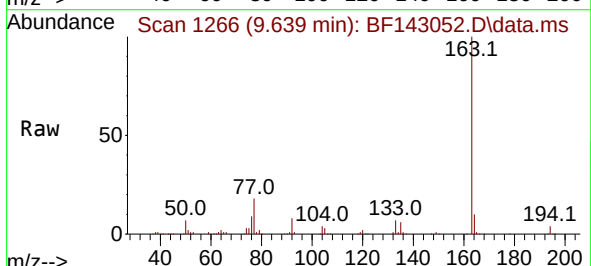
Tgt Ion:163 Resp: 346580

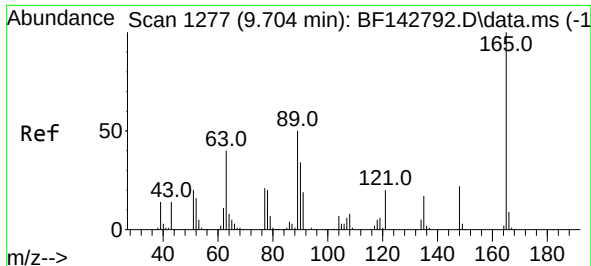
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 9.8 8.0 12.0

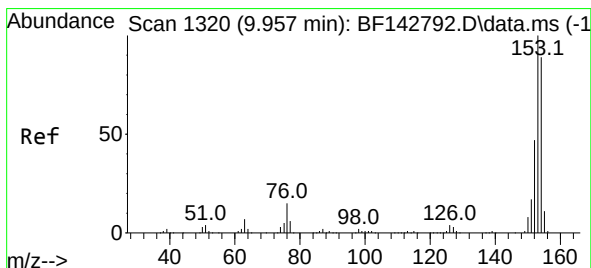
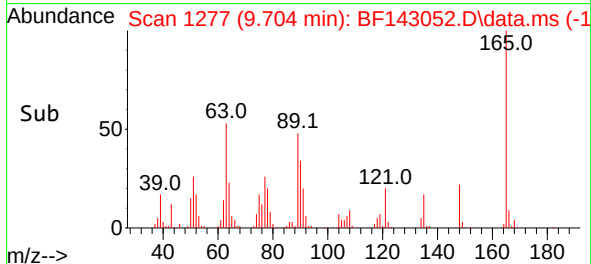
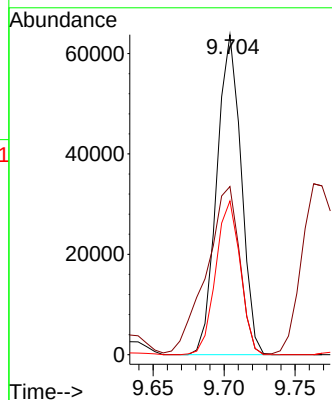
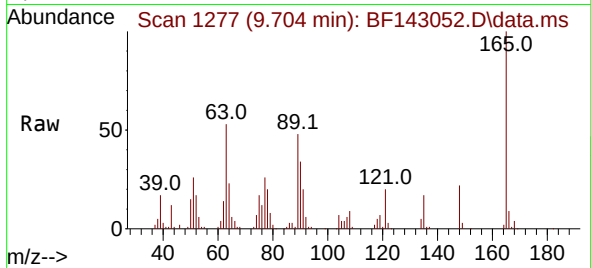




#51
2,6-Dinitrotoluene
Concen: 47.479 ng
RT: 9.704 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

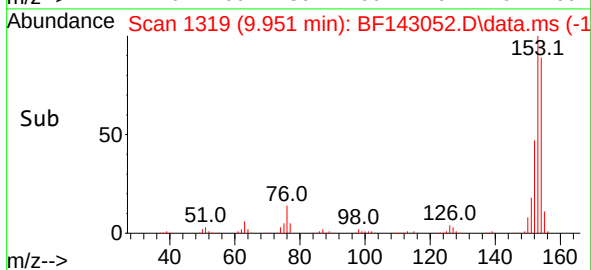
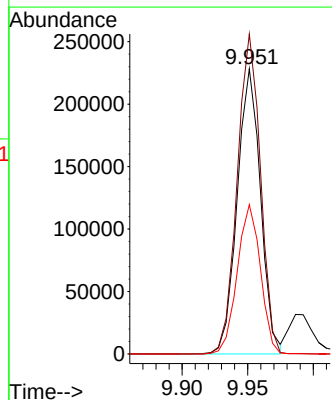
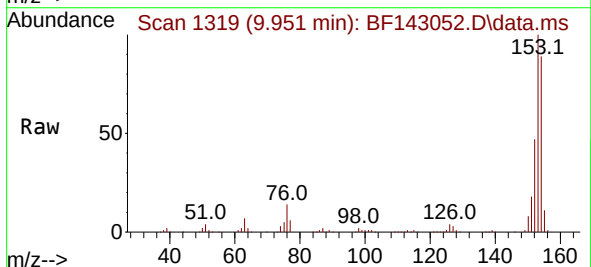
Instrument :
BNA_F
ClientSampleId :
PB168750BS

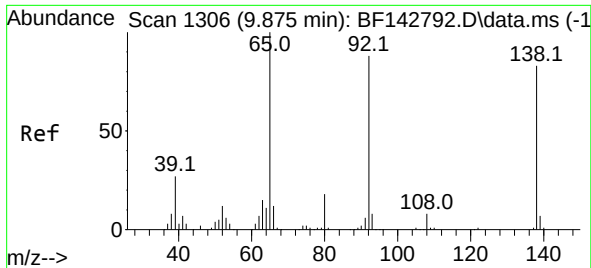
Tgt Ion:165 Resp: 75902
Ion Ratio Lower Upper
165 100
63 52.5 44.2 66.4
89 48.1 39.8 59.8



#52
Acenaphthene
Concen: 42.272 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:154 Resp: 283047
Ion Ratio Lower Upper
154 100
153 112.3 90.0 135.0
152 52.4 41.9 62.9

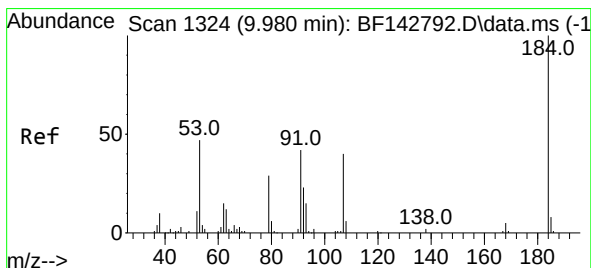
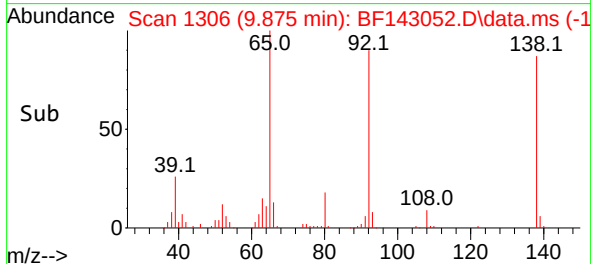
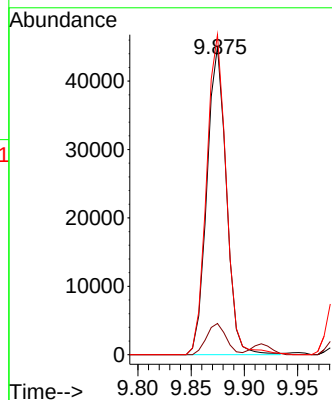
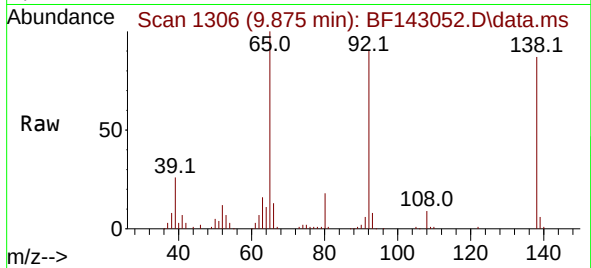




#53
3-Nitroaniline
Concen: 32.504 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

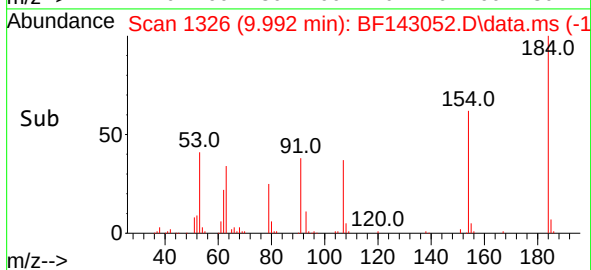
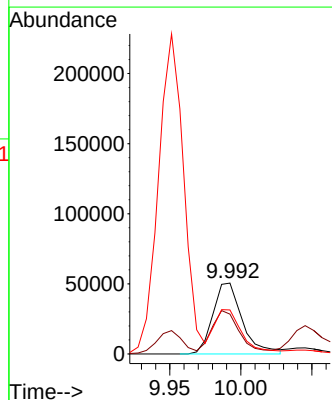
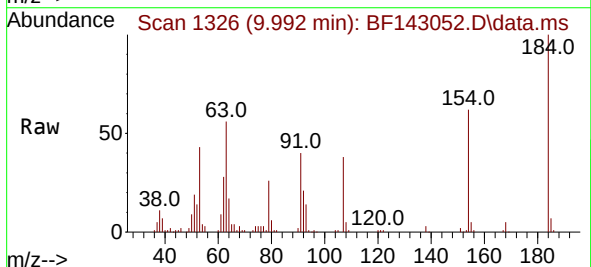
Instrument :
BNA_F
ClientSampleId :
PB168750BS

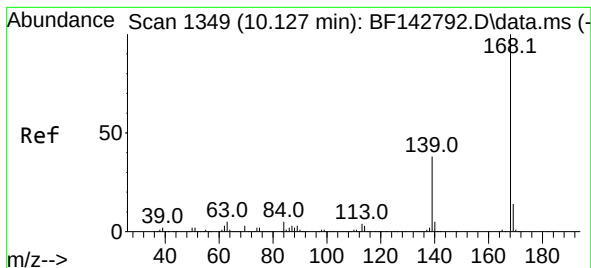
Tgt Ion:138 Resp: 57210
Ion Ratio Lower Upper
138 100
108 10.1 8.1 12.1
92 103.8 85.1 127.7



#54
2,4-Dinitrophenol
Concen: 91.012 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:184 Resp: 72852
Ion Ratio Lower Upper
184 100
63 56.2 50.6 75.8
154 62.1 51.8 77.8





#55

Dibenzenofuran

Concen: 45.100 ng

RT: 10.122 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

Instrument :

BNA_F

ClientSampleId :

PB168750BS

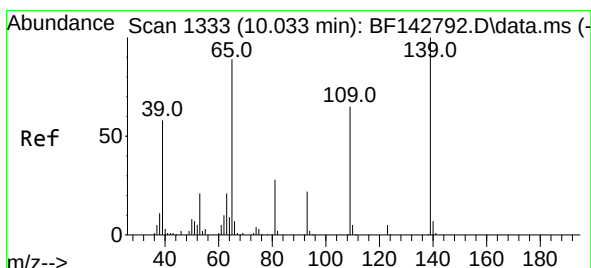
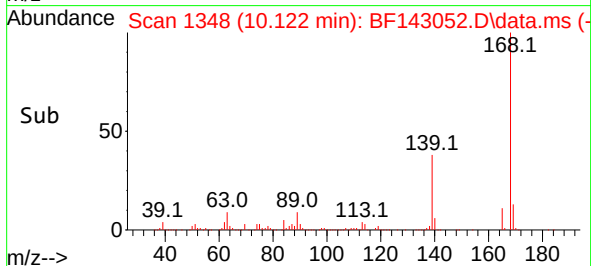
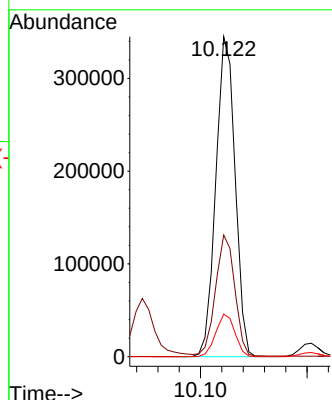
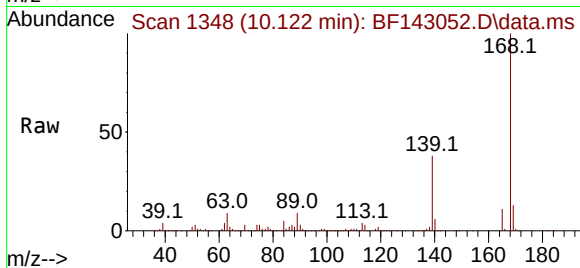
Tgt Ion:168 Resp: 433030

Ion Ratio Lower Upper

168 100

139 38.0 30.2 45.4

169 13.3 10.8 16.2



#56

4-Nitrophenol

Concen: 74.022 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.012 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

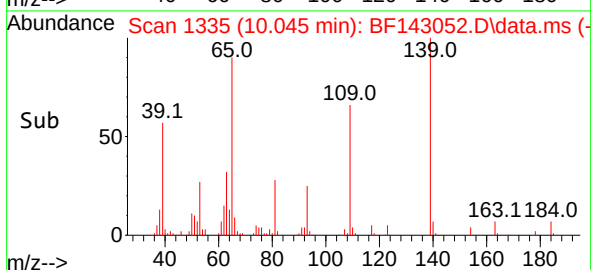
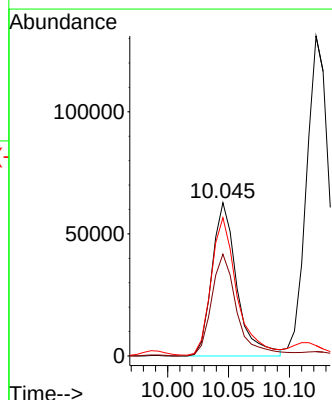
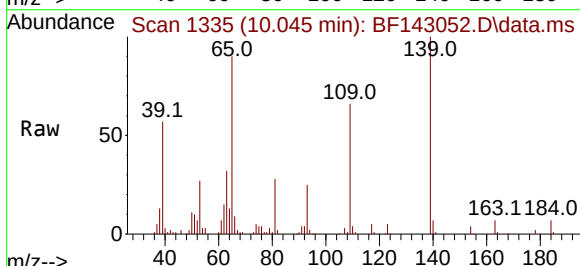
Tgt Ion:139 Resp: 89195

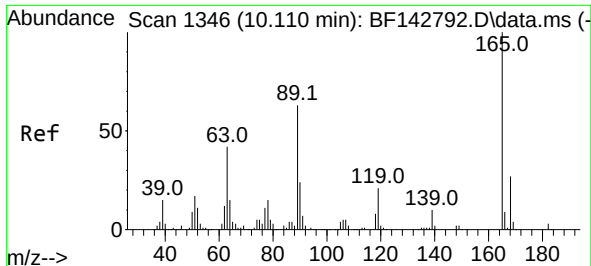
Ion Ratio Lower Upper

139 100

109 66.4 44.7 84.7

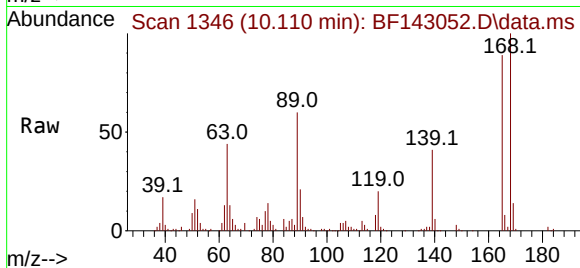
65 90.2 69.8 109.8



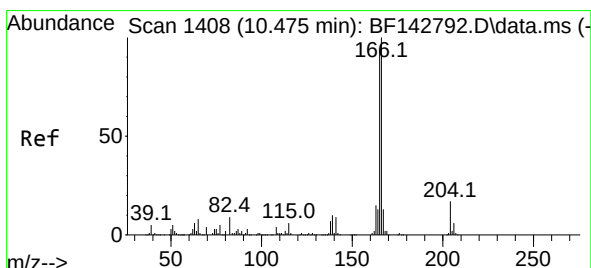
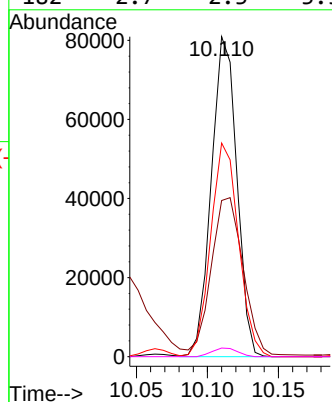
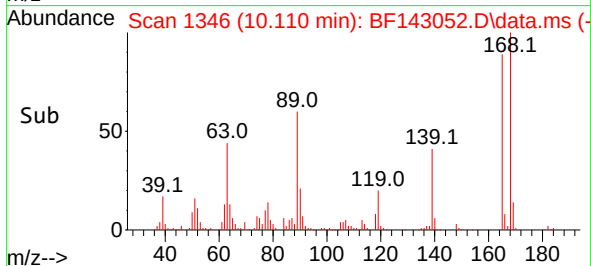


#57
2,4-Dinitrotoluene
Concen: 47.541 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

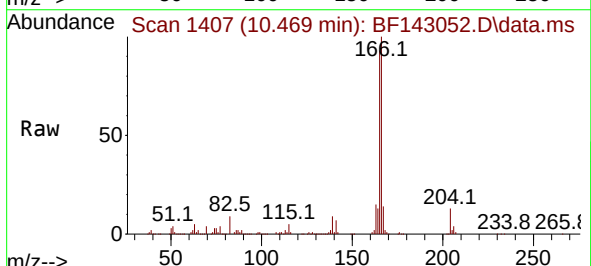
Instrument :
BNA_F
ClientSampleId :
PB168750BS



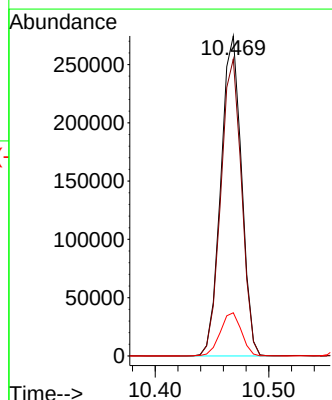
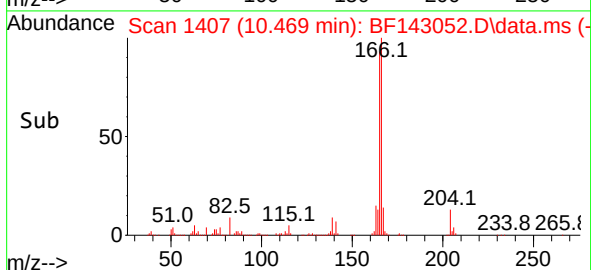
Tgt Ion:165 Resp: 100952
Ion Ratio Lower Upper
165 100
63 48.8 33.9 50.9
89 66.8 50.6 75.8
182 2.7 2.3 3.5

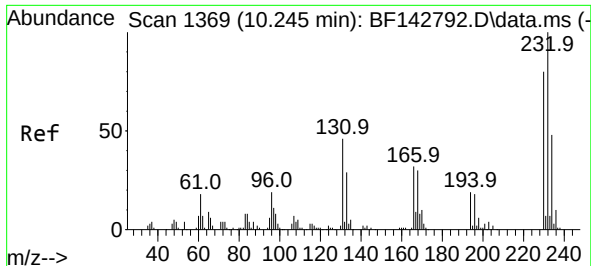


#58
Fluorene
Concen: 46.326 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54



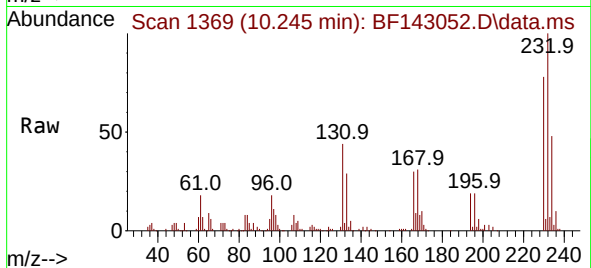
Tgt Ion:166 Resp: 347381
Ion Ratio Lower Upper
166 100
165 92.8 75.2 112.8
167 13.5 10.6 15.8



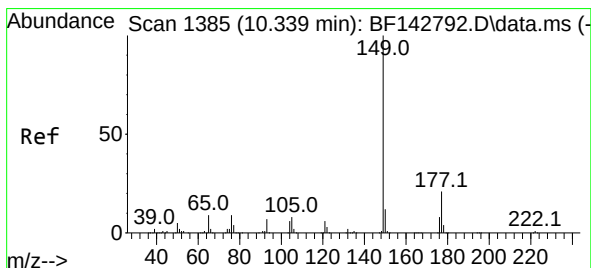
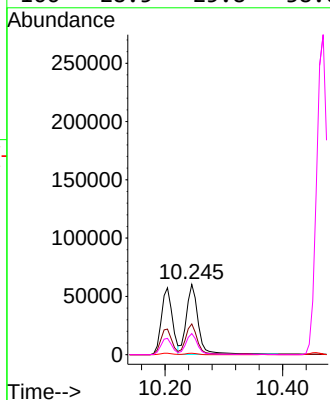
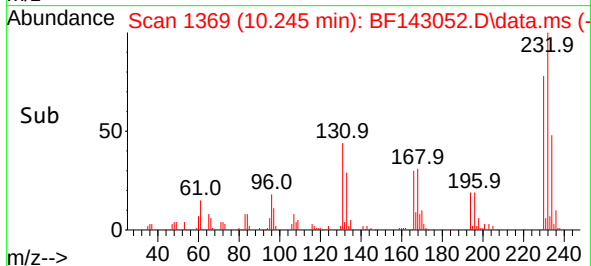


#59
2,3,4,6-Tetrachlorophenol
Concen: 45.889 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

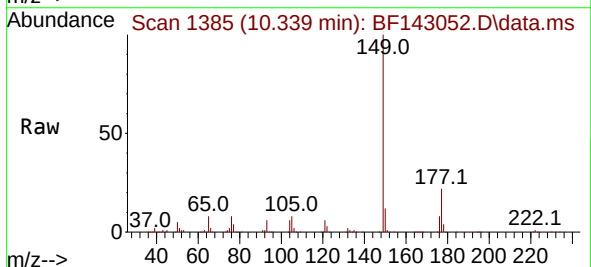
Instrument :
BNA_F
ClientSampleId :
PB168750BS



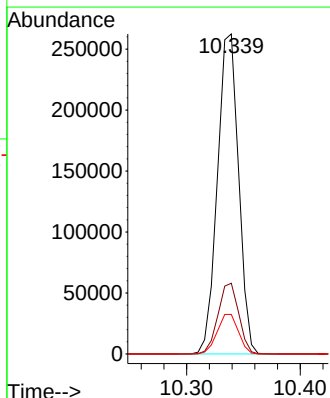
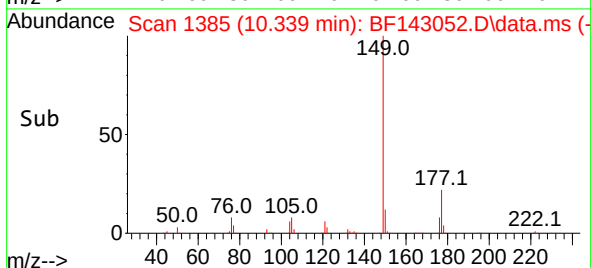
Tgt Ion:232 Resp: 84193
Ion Ratio Lower Upper
232 100
131 43.8 37.6 56.4
130 2.1 1.7 2.5
166 28.5 25.8 38.6

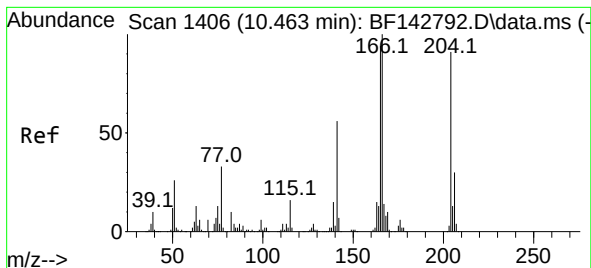


#60
Diethylphthalate
Concen: 47.636 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54



Tgt Ion:149 Resp: 339999
Ion Ratio Lower Upper
149 100
177 22.1 17.0 25.6
150 12.4 9.8 14.6

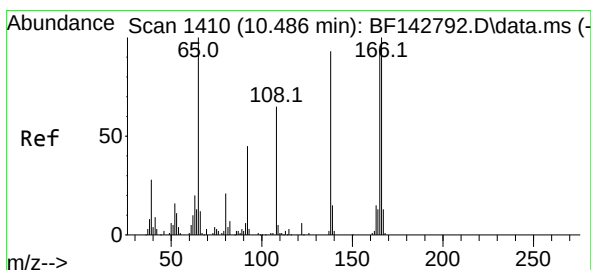
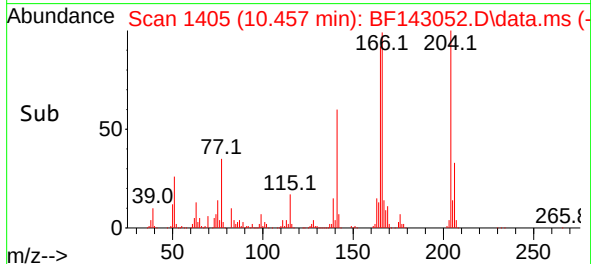
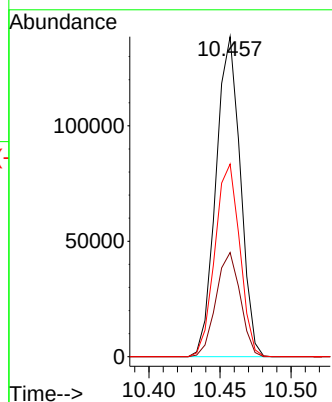
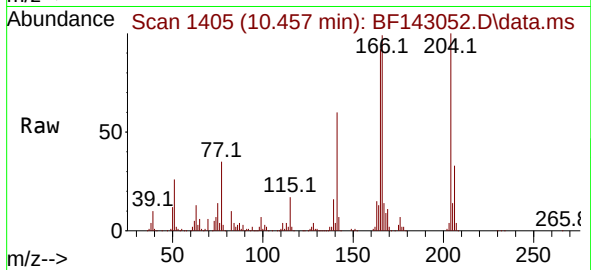




#61
4-Chlorophenyl-phenylether
Concen: 46.232 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

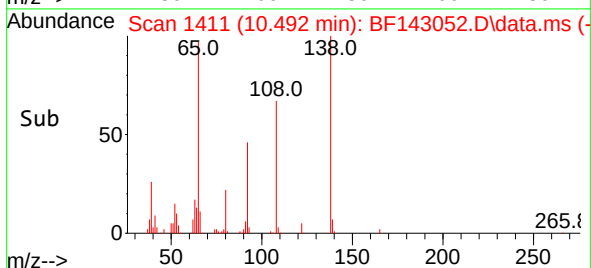
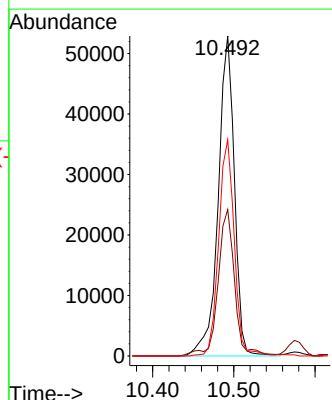
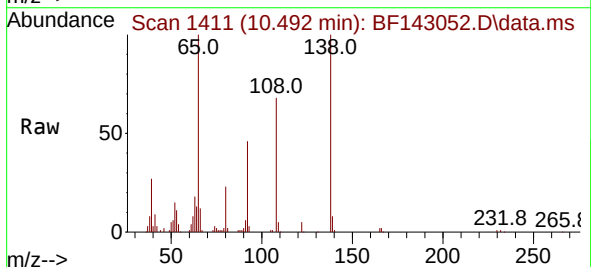
Instrument :
BNA_F
ClientSampleId :
PB168750BS

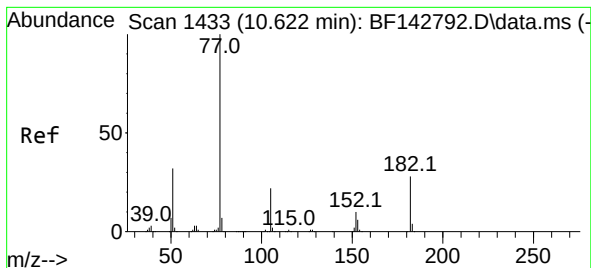
Tgt Ion:204 Resp: 165430
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 60.2 49.1 73.7



#62
4-Nitroaniline
Concen: 45.749 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:138 Resp: 73644
Ion Ratio Lower Upper
138 100
92 45.7 28.4 68.4
108 67.6 50.2 90.2





#63

Azobenzene

Concen: 45.781 ng

RT: 10.616 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

Instrument :

BNA_F

ClientSampleId :

PB168750BS

Tgt Ion: 77 Resp: 292044

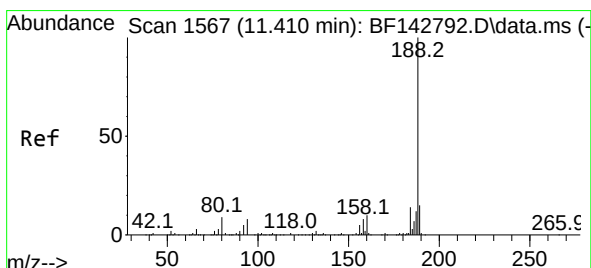
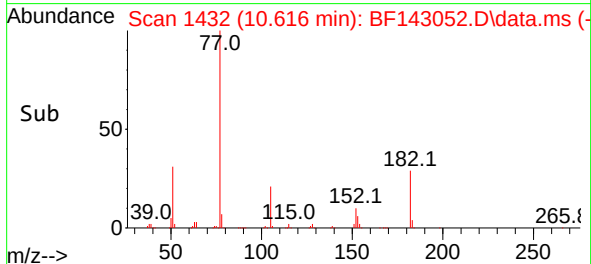
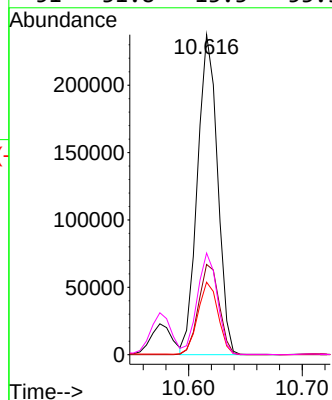
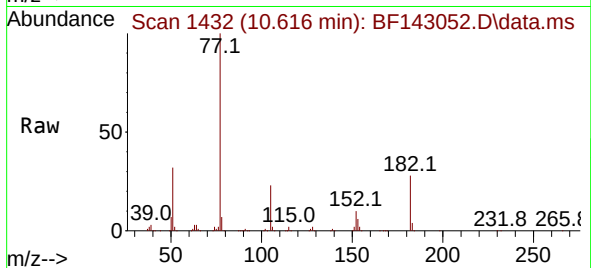
Ion Ratio Lower Upper

77 100

182 28.2 7.7 47.7

105 22.6 1.9 41.9

51 31.8 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

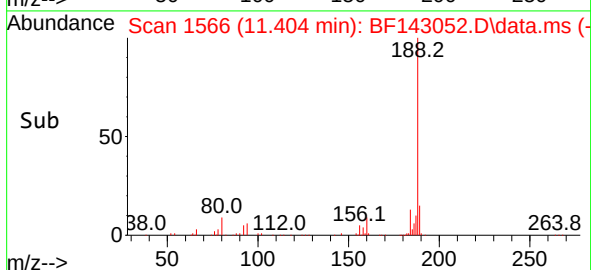
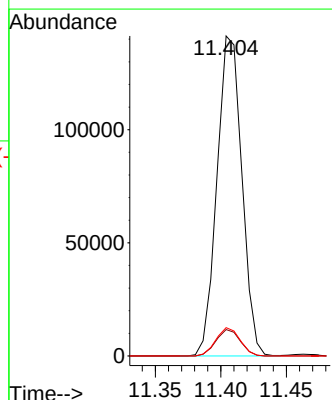
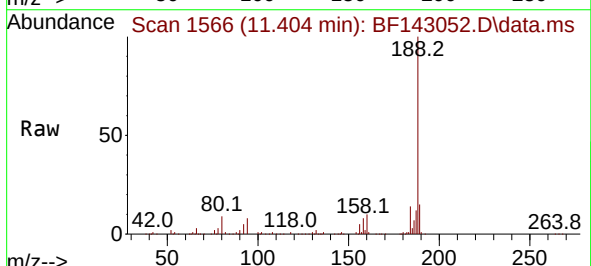
Tgt Ion: 188 Resp: 186535

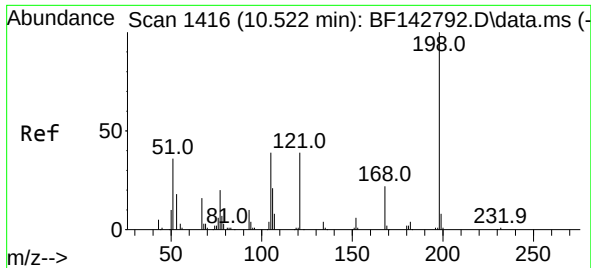
Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

80 8.8 6.9 10.3

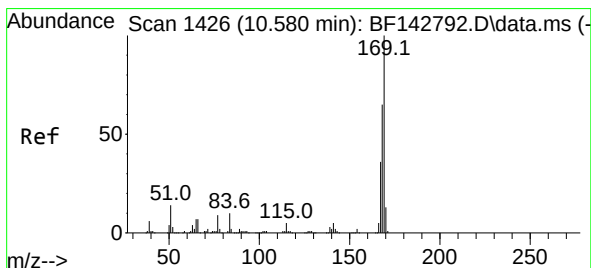
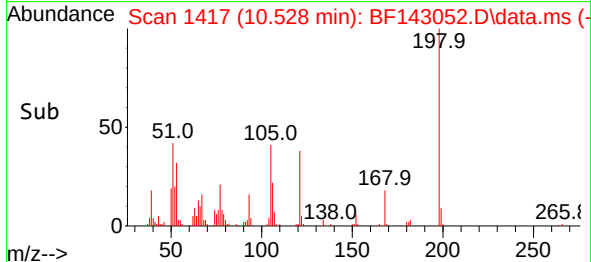
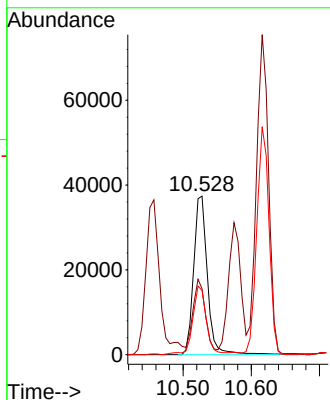
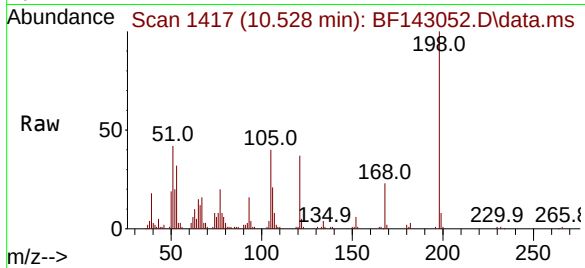




#65
4,6-Dinitro-2-methylphenol
Concen: 46.462 ng
RT: 10.528 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

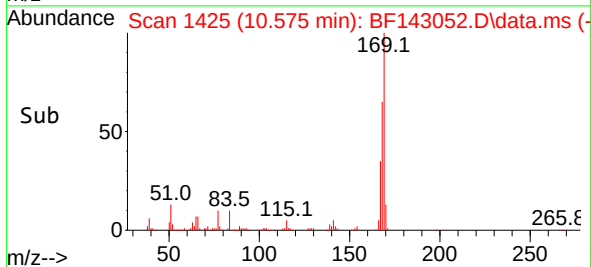
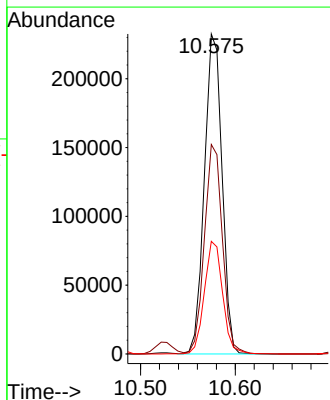
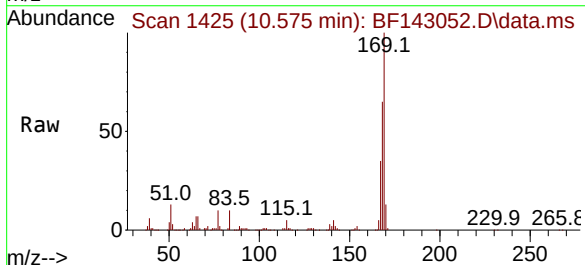
Instrument :
BNA_F
ClientSampleId :
PB168750BS

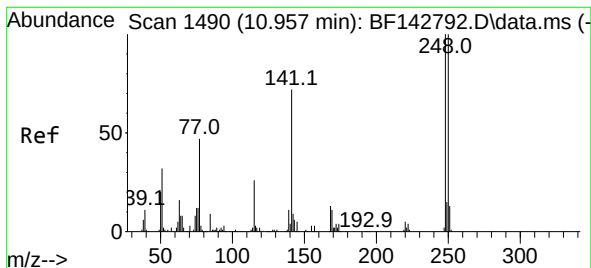
Tgt Ion:198 Resp: 52422
Ion Ratio Lower Upper
198 100
51 41.6 25.4 65.4
105 40.5 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 46.419 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:169 Resp: 300094
Ion Ratio Lower Upper
169 100
168 65.4 51.9 77.9
167 35.2 28.5 42.7

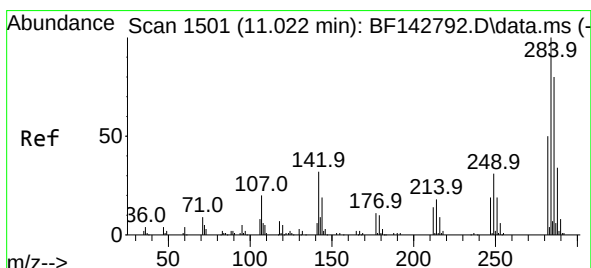
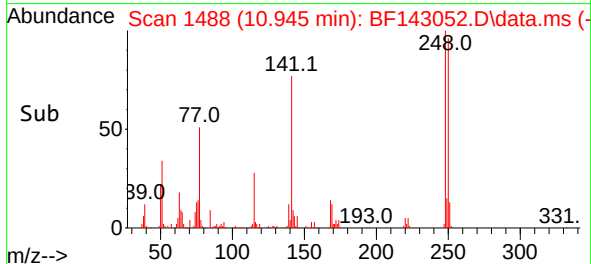
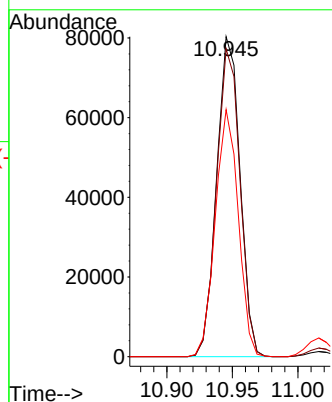
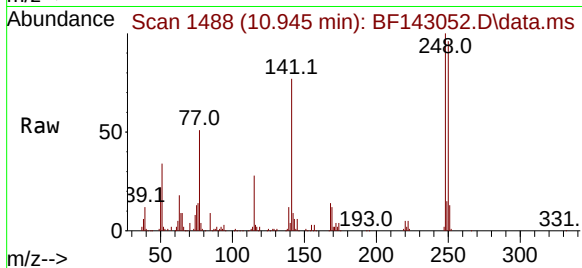




#67
4-Bromophenyl-phenylether
Concen: 46.957 ng
RT: 10.945 min Scan# 1490
Delta R.T. -0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

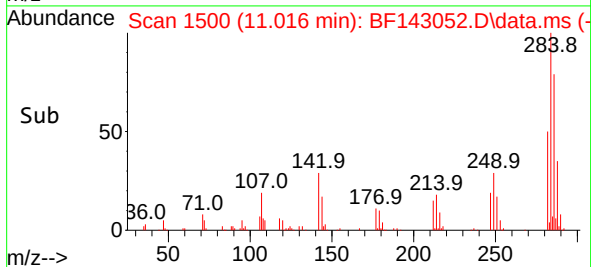
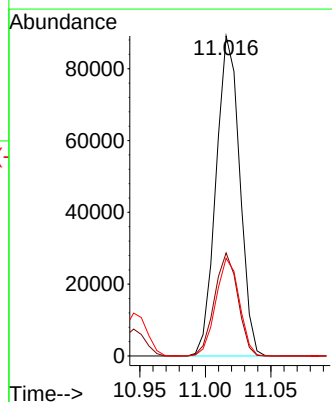
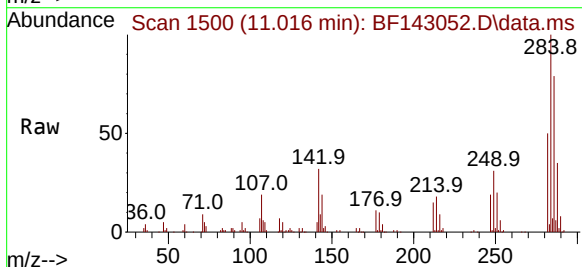
Instrument :
BNA_F
ClientSampleId :
PB168750BS

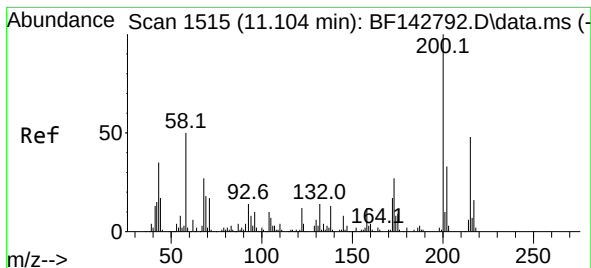
Tgt Ion:248 Resp: 99688
Ion Ratio Lower Upper
248 100
250 96.2 79.8 119.8
141 77.2 57.8 86.6



#68
Hexachlorobenzene
Concen: 47.367 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:284 Resp: 111735
Ion Ratio Lower Upper
284 100
142 32.2 25.5 38.3
249 30.5 24.9 37.3





#69

Atrazine

Concen: 50.788 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

Instrument :

BNA_F

ClientSampleId :

PB168750BS

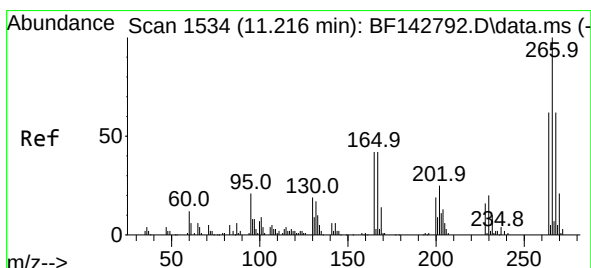
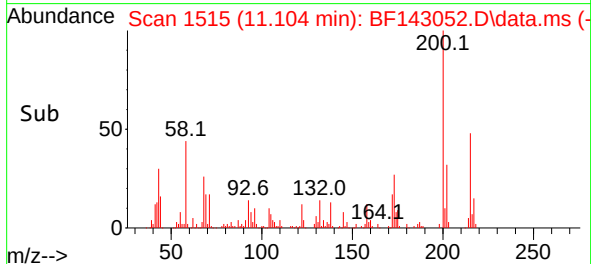
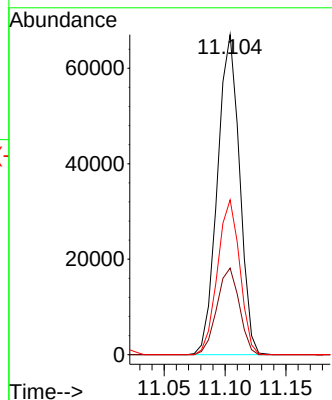
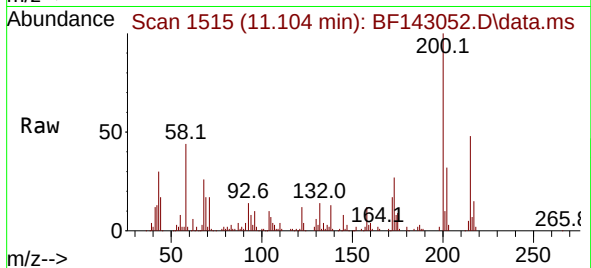
Tgt Ion:200 Resp: 84787

Ion Ratio Lower Upper

200 100

173 27.0 7.4 47.4

215 48.4 28.4 68.4



#70

Pentachlorophenol

Concen: 76.959 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

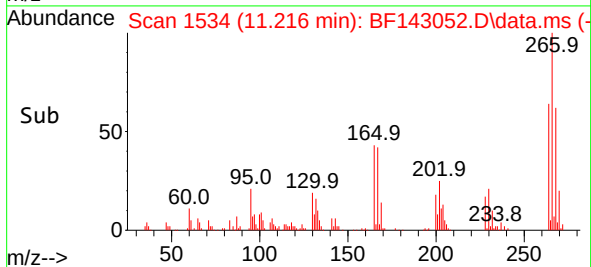
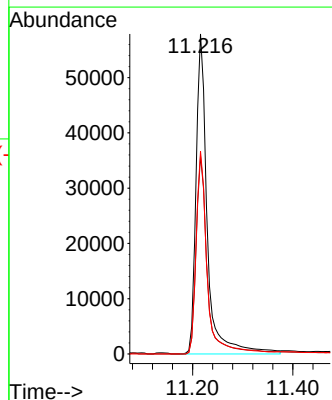
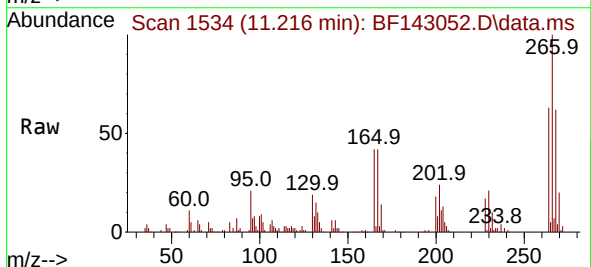
Tgt Ion:266 Resp: 90462

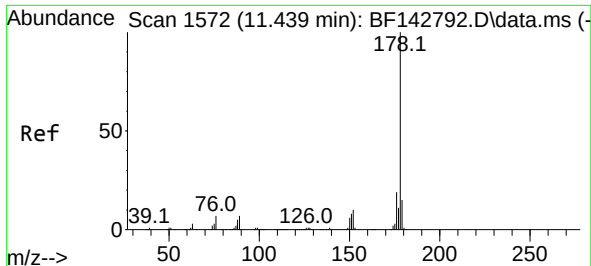
Ion Ratio Lower Upper

266 100

268 61.9 49.8 74.8

264 63.4 49.9 74.9

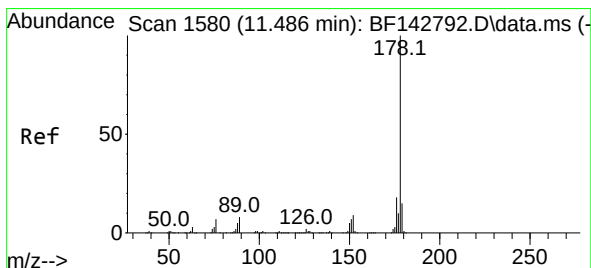
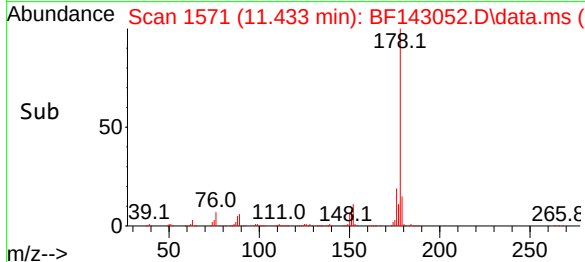
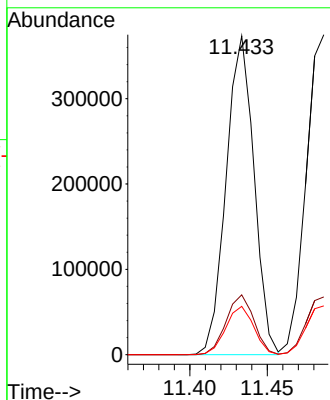
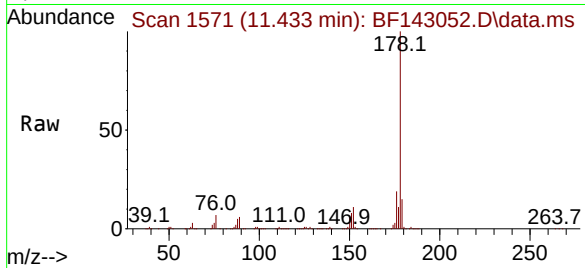




#71
Phenanthrene
Concen: 46.230 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

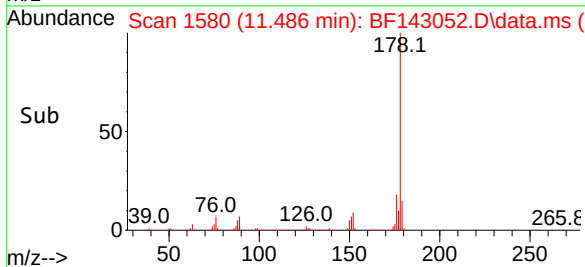
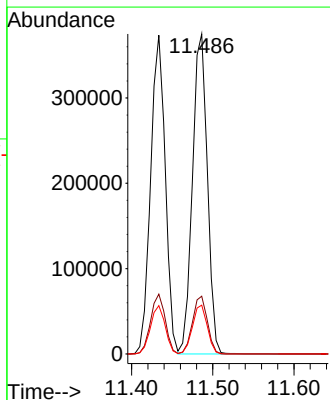
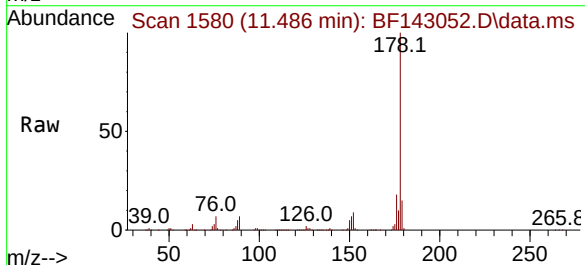
Instrument :
BNA_F
ClientSampleId :
PB168750BS

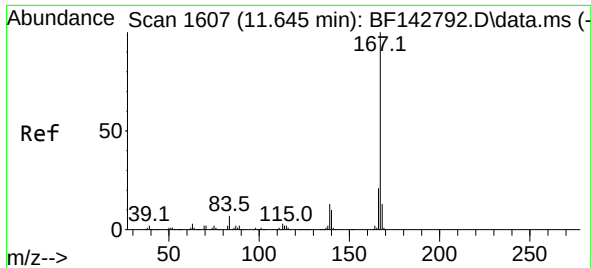
Tgt Ion:178 Resp: 467137
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.2 12.0 18.0



#72
Anthracene
Concen: 46.217 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:178 Resp: 478957
Ion Ratio Lower Upper
178 100
176 18.0 14.6 21.8
179 15.2 12.4 18.6

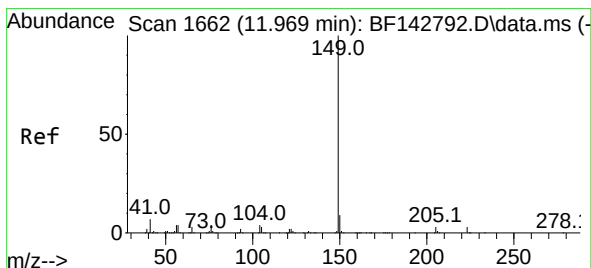
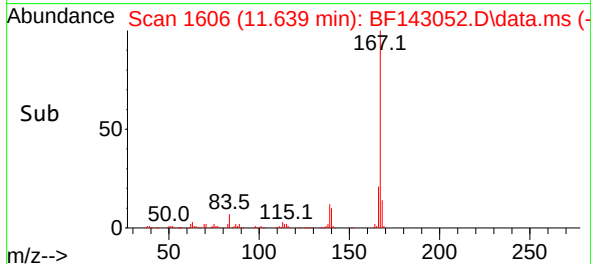
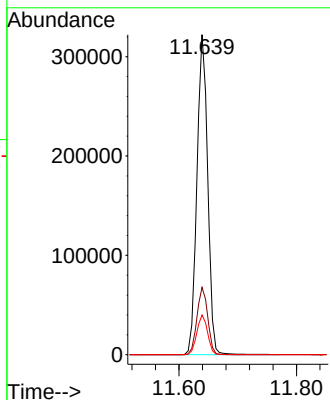
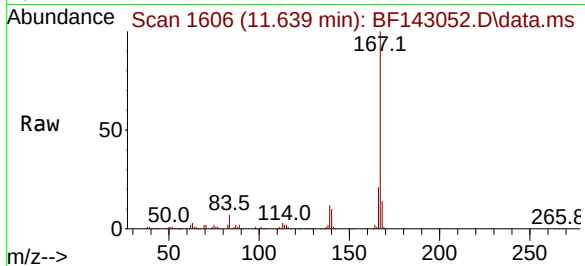




#73
 Carbazole
 Concen: 45.738 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF143052.D
 Acq: 09 Jul 2025 12:54

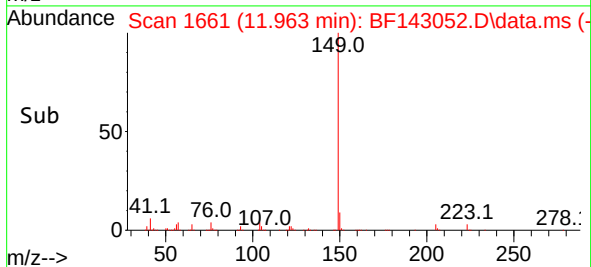
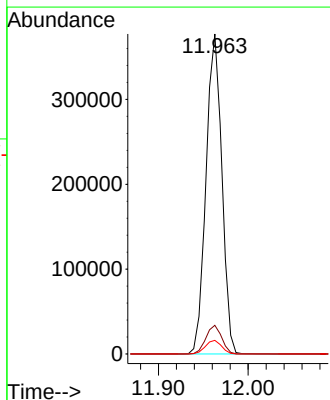
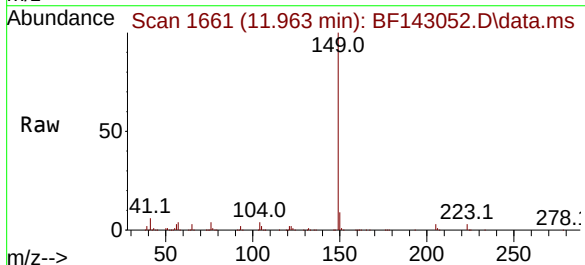
Instrument :
 BNA_F
 ClientSampleId :
 PB168750BS

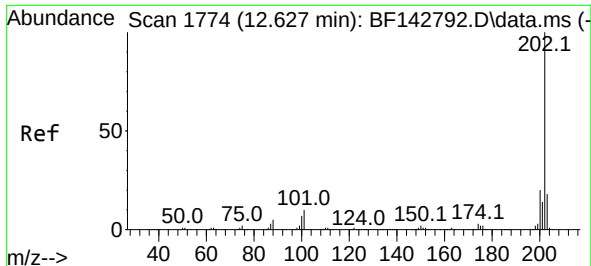
Tgt Ion:167 Resp: 409036
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.4
 139 12.4 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 49.542 ng
 RT: 11.963 min Scan# 1661
 Delta R.T. -0.006 min
 Lab File: BF143052.D
 Acq: 09 Jul 2025 12:54

Tgt Ion:149 Resp: 461555
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 4.3 3.5 5.3

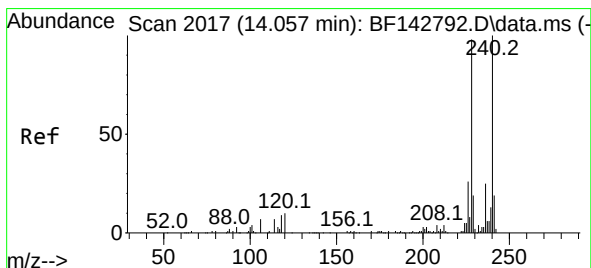
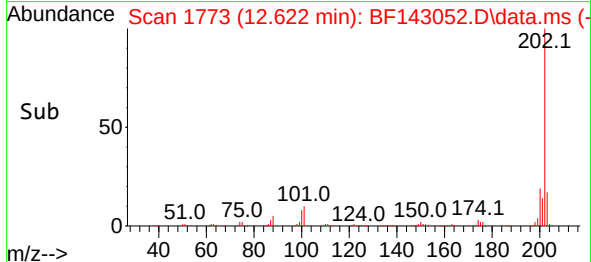
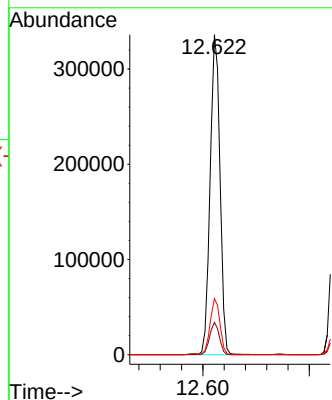
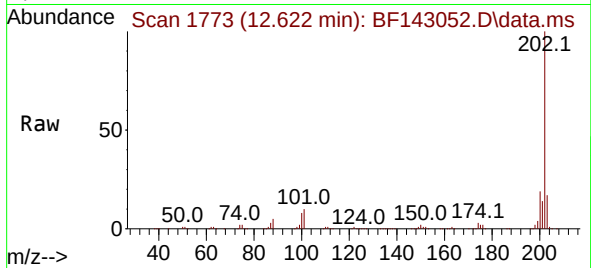




#75
Fluoranthene
Concen: 44.925 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

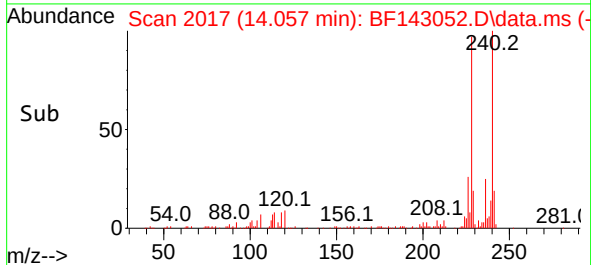
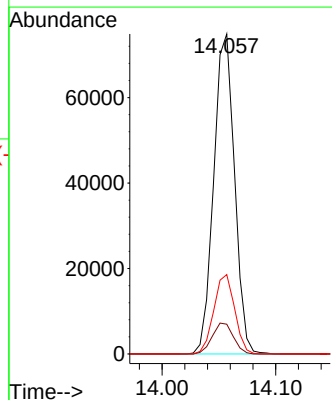
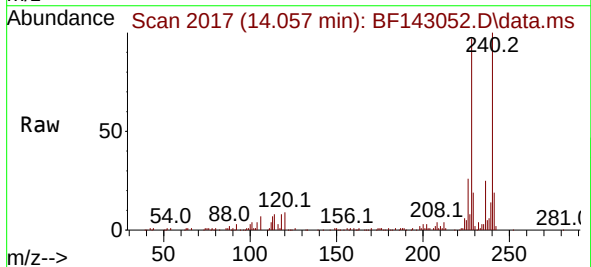
Instrument :
BNA_F
ClientSampleId :
PB168750BS

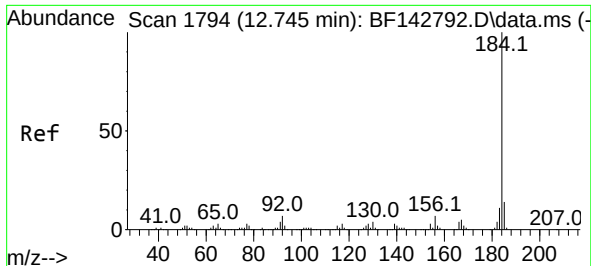
Tgt Ion:202 Resp: 430822
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.7
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:240 Resp: 95347
Ion Ratio Lower Upper
240 100
120 9.3 8.2 12.2
236 24.8 19.8 29.8

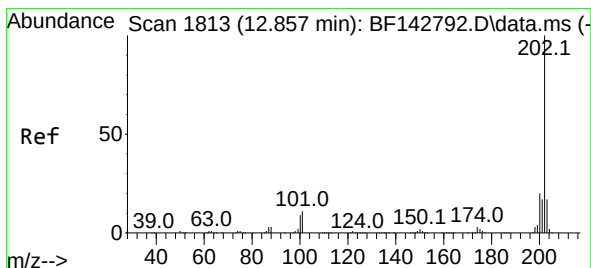
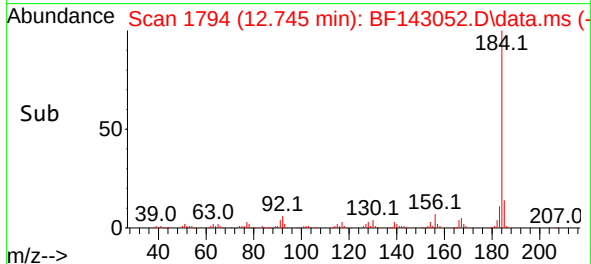
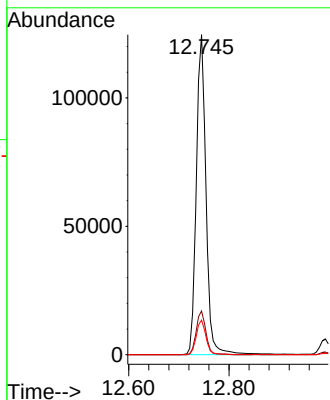
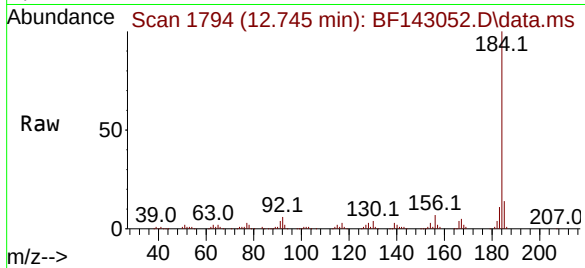




#77
Benzidine
Concen: 46.620 ng
RT: 12.745 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

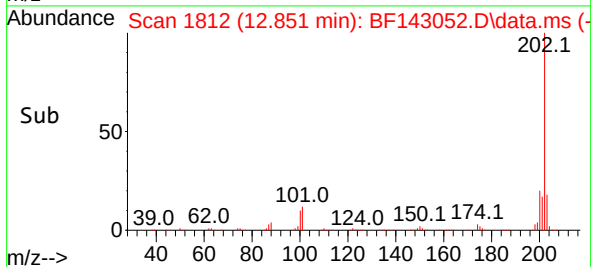
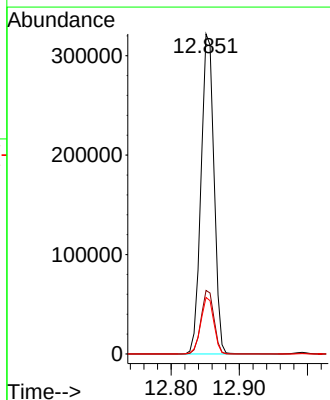
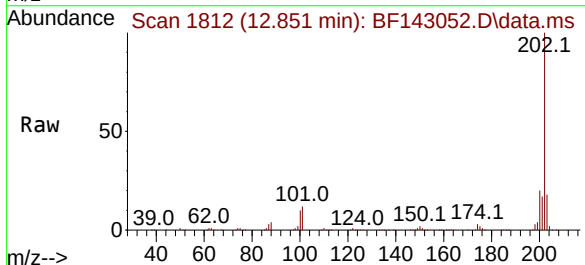
Instrument :
BNA_F
ClientSampleId :
PB168750BS

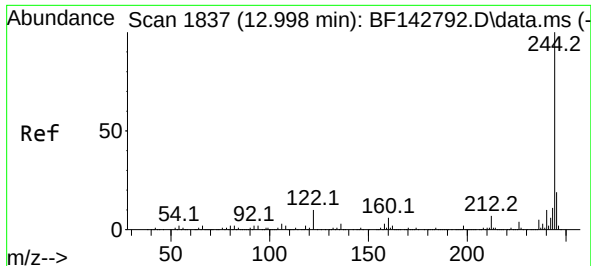
Tgt Ion:184 Resp: 167006
Ion Ratio Lower Upper
184 100
185 13.6 11.5 17.3
183 10.8 9.0 13.4



#78
Pyrene
Concen: 47.590 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:202 Resp: 425324
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 17.7 13.8 20.6

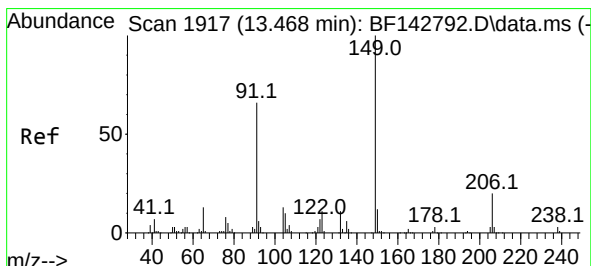
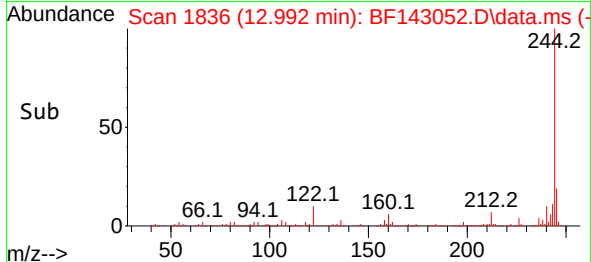
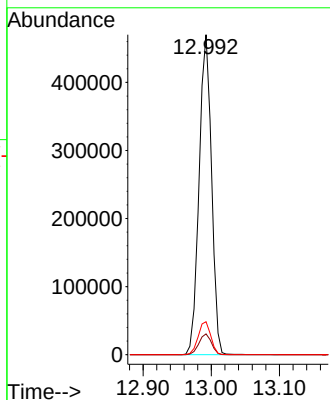
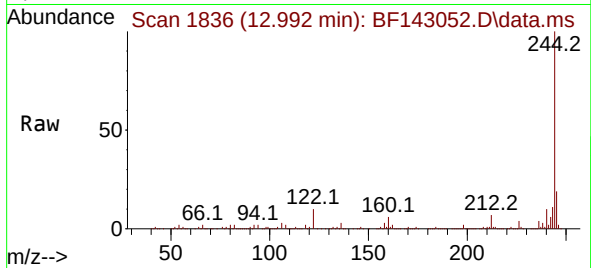




#79
 Terphenyl-d14
 Concen: 86.278 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF143052.D
 Acq: 09 Jul 2025 12:54

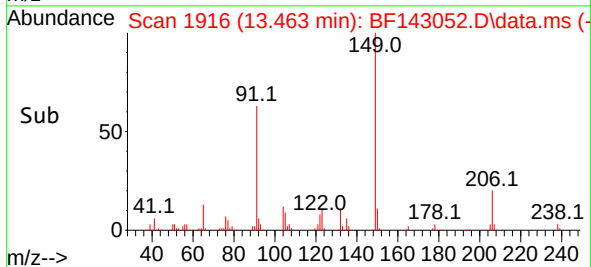
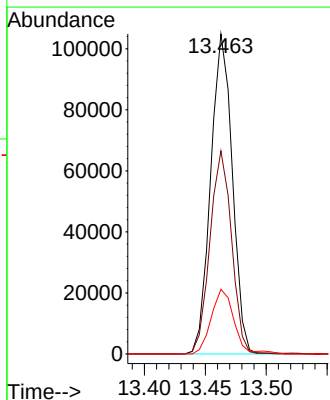
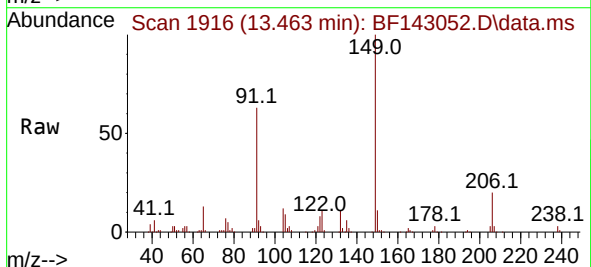
Instrument :
 BNA_F
 ClientSampleId :
 PB168750BS

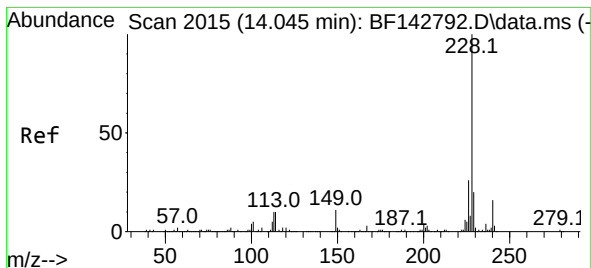
Tgt Ion:244 Resp: 595381
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.3 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 49.938 ng
 RT: 13.463 min Scan# 1916
 Delta R.T. -0.006 min
 Lab File: BF143052.D
 Acq: 09 Jul 2025 12:54

Tgt Ion:149 Resp: 129463
 Ion Ratio Lower Upper
 149 100
 91 63.5 52.9 79.3
 206 20.2 16.3 24.5





#81

Benzo(a)anthracene

Concen: 47.186 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

Instrument :

BNA_F

ClientSampleId :

PB168750BS

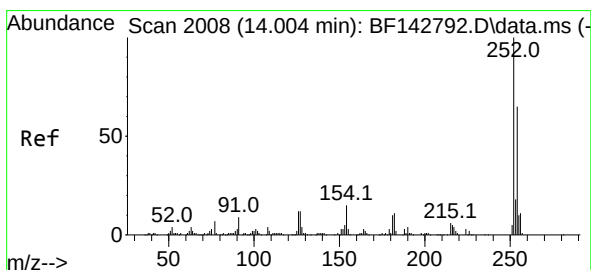
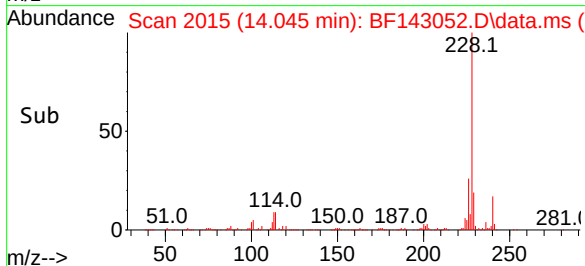
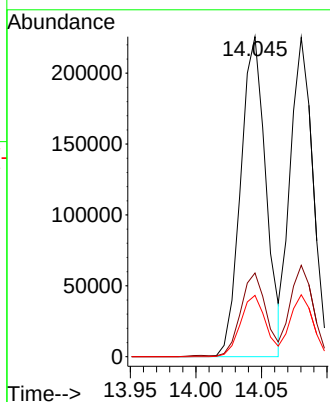
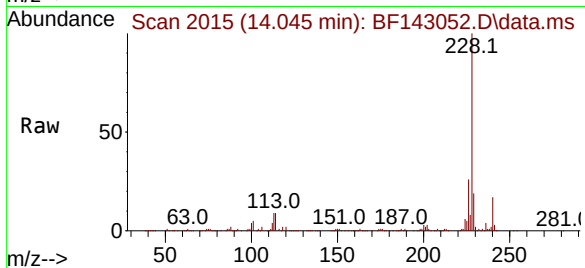
Tgt Ion:228 Resp: 303507

Ion Ratio Lower Upper

228 100

226 26.1 21.2 31.8

229 19.2 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 29.967 ng

RT: 14.004 min Scan# 2008

Delta R.T. 0.000 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

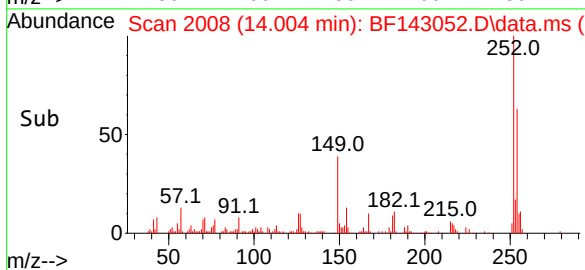
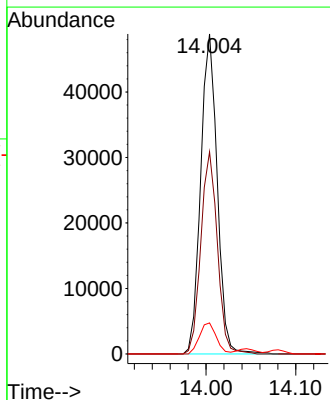
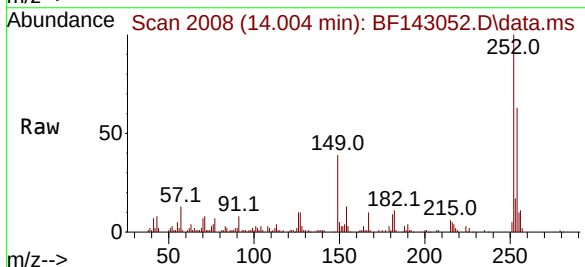
Tgt Ion:252 Resp: 62521

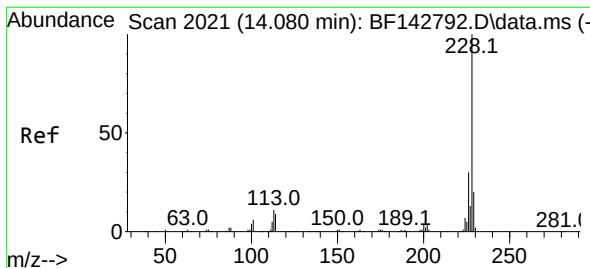
Ion Ratio Lower Upper

252 100

254 63.1 51.7 77.5

126 9.7 9.4 14.2





#83

Chrysene

Concen: 46.990 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

Instrument :

BNA_F

ClientSampleId :

PB168750BS

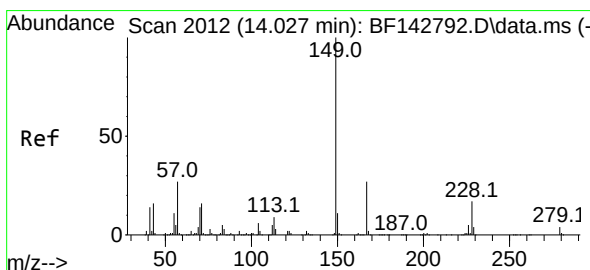
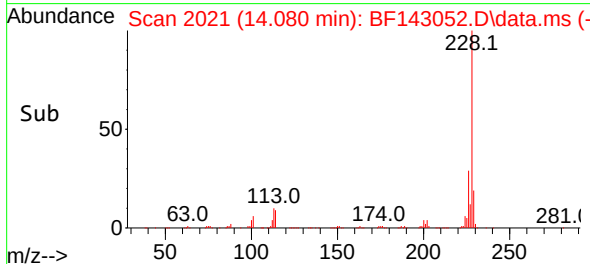
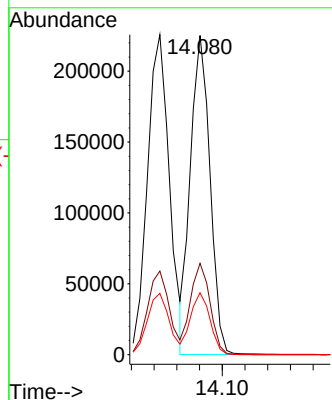
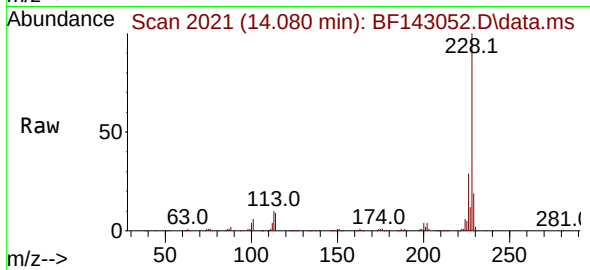
Tgt Ion:228 Resp: 269701

Ion Ratio Lower Upper

228 100

226 28.6 23.7 35.5

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.617 ng

RT: 14.022 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

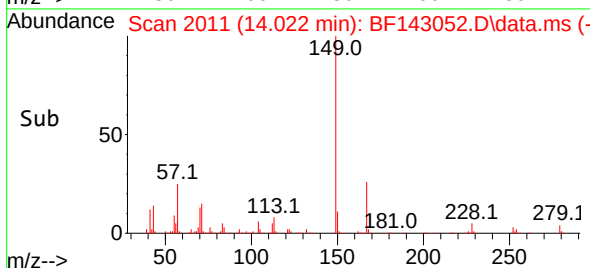
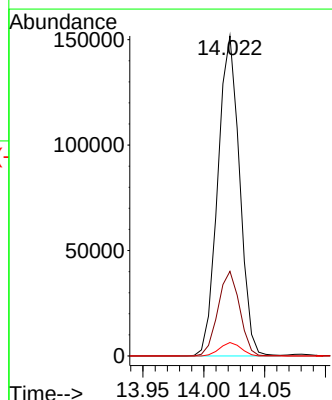
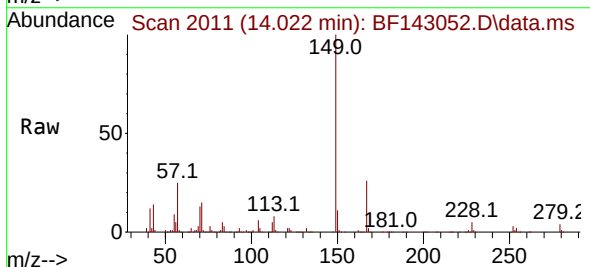
Tgt Ion:149 Resp: 188801

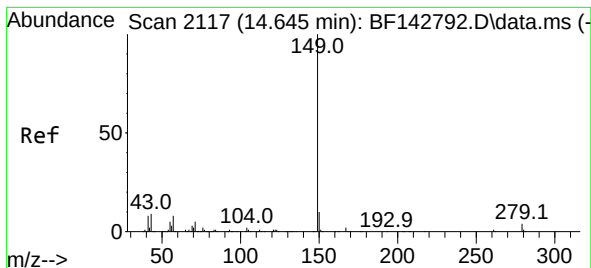
Ion Ratio Lower Upper

149 100

167 26.4 21.4 32.0

279 4.2 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 51.389 ng

RT: 14.633 min Scan# 2115

Delta R.T. -0.012 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

Instrument :

BNA_F

ClientSampleId :

PB168750BS

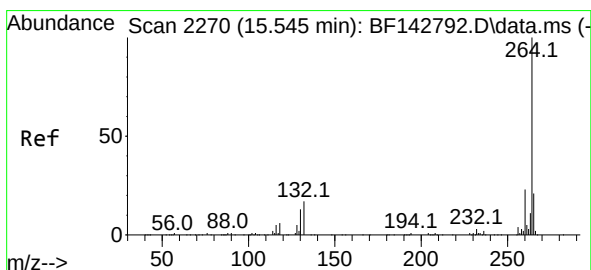
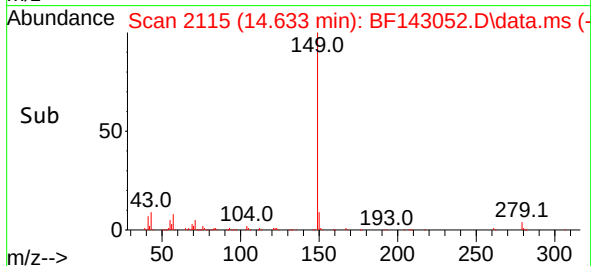
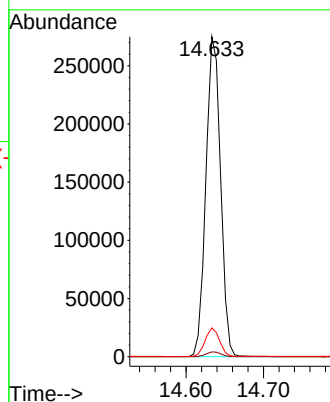
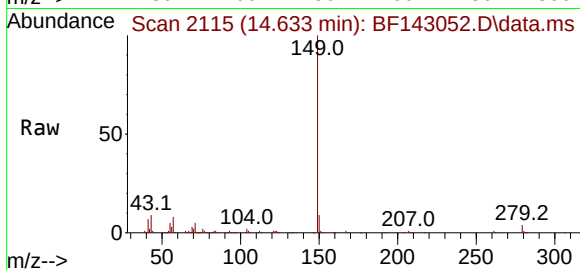
Tgt Ion:149 Resp: 361435

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 8.7 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

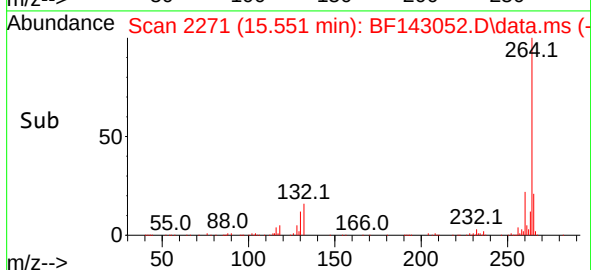
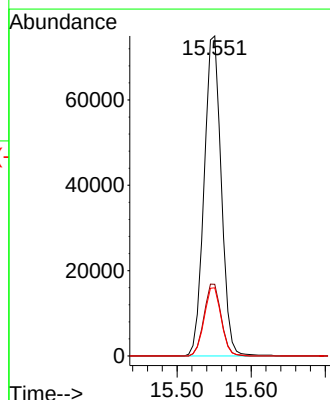
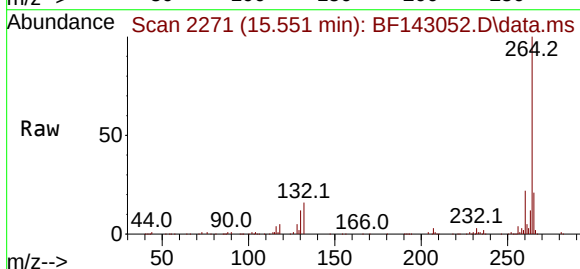
Tgt Ion:264 Resp: 120157

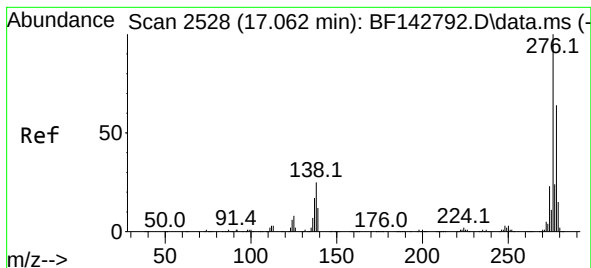
Ion Ratio Lower Upper

264 100

260 22.4 18.1 27.1

265 21.3 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.869 ng

RT: 17.074 min Scan# 2196

Delta R.T. 0.012 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

Instrument :

BNA_F

ClientSampleId :

PB168750BS

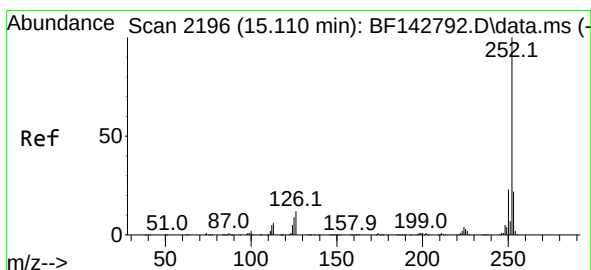
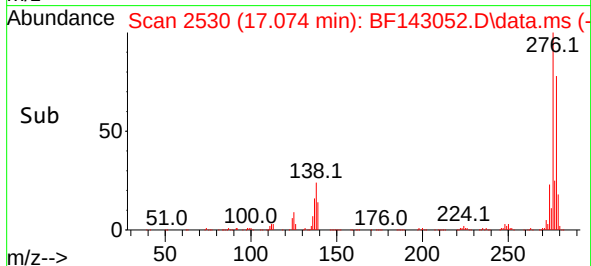
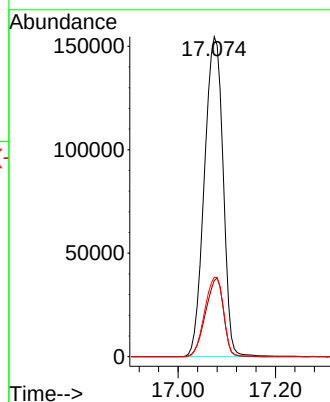
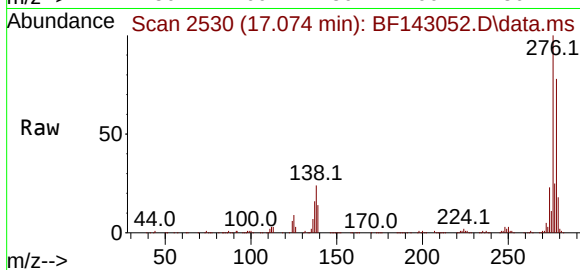
Tgt Ion:276 Resp: 410655

Ion Ratio Lower Upper

276 100

138 23.7 20.2 30.4

277 24.9 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 44.299 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

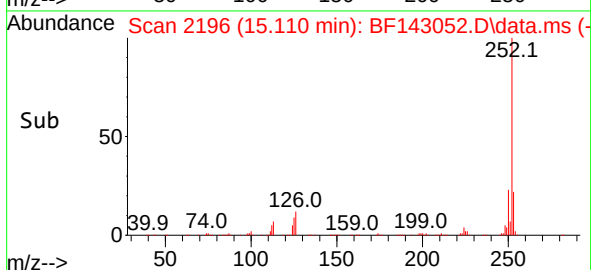
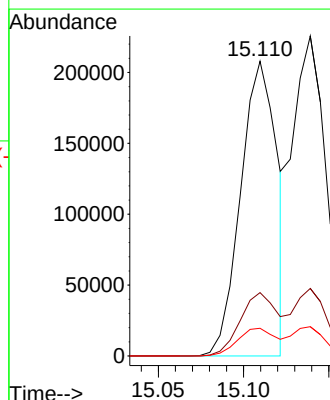
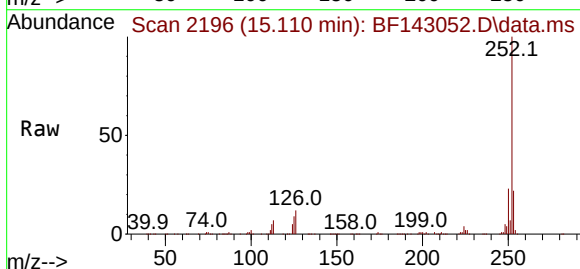
Tgt Ion:252 Resp: 308004

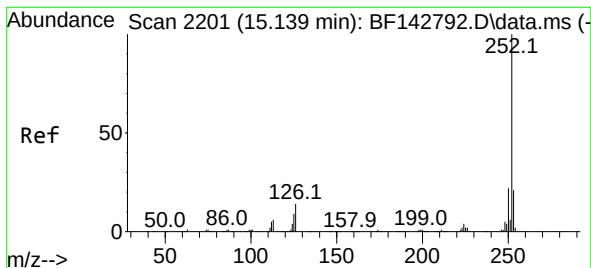
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 9.4 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 47.795 ng

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

Instrument :

BNA_F

ClientSampleId :

PB168750BS

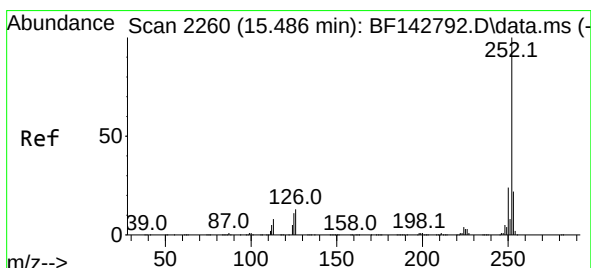
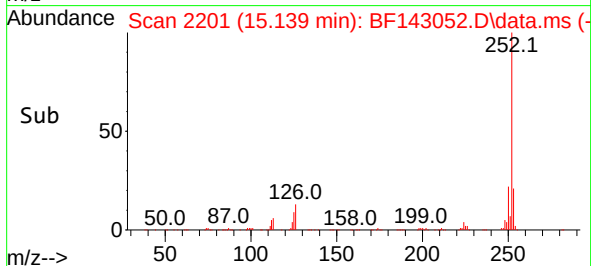
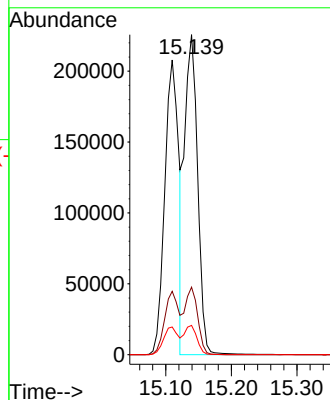
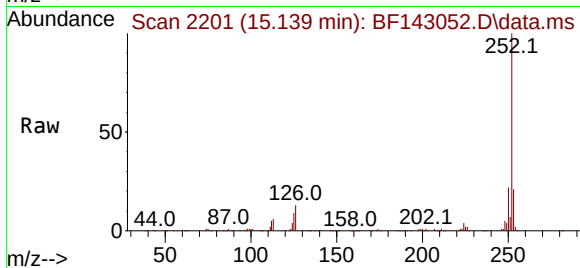
Tgt Ion:252 Resp: 310901

Ion Ratio Lower Upper

252 100

253 21.1 17.2 25.8

125 9.2 7.4 11.2



#90

Benzo(a)pyrene

Concen: 46.817 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF143052.D

Acq: 09 Jul 2025 12:54

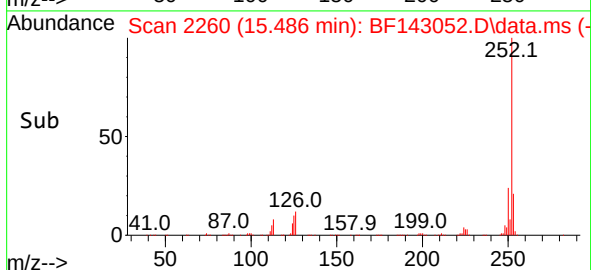
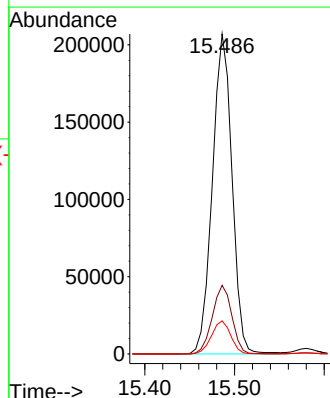
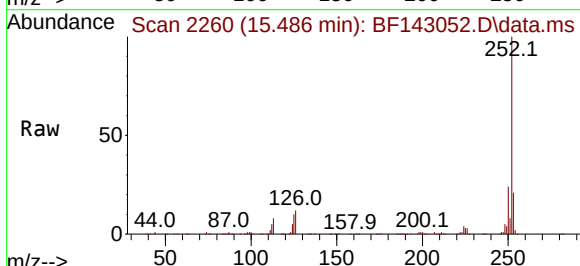
Tgt Ion:252 Resp: 314463

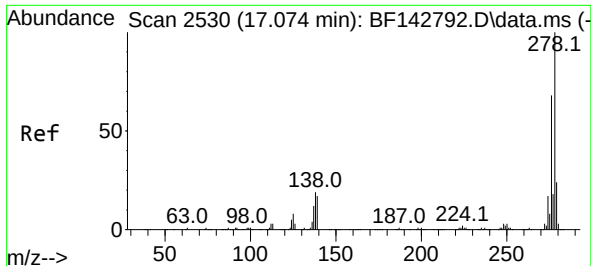
Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 10.3 8.6 12.8

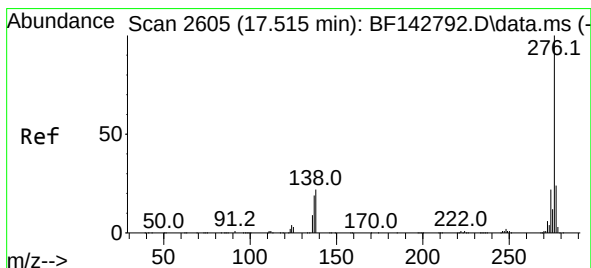
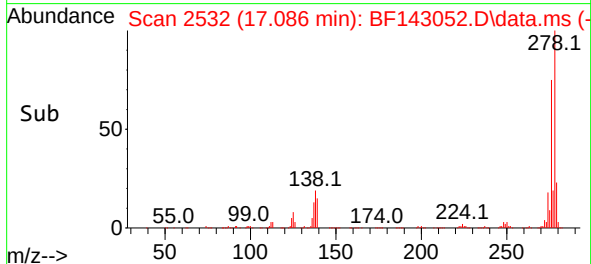
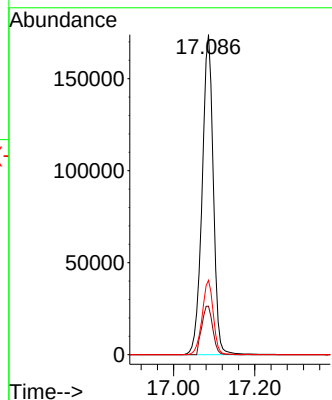
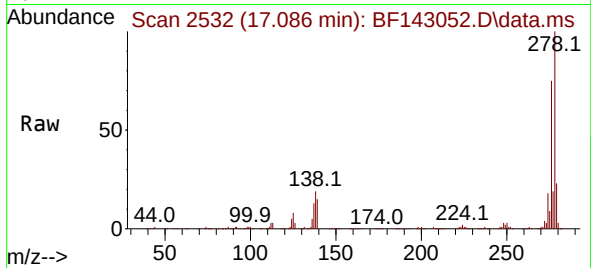




#91
Dibenzo(a,h)anthracene
Concen: 44.769 ng
RT: 17.086 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Instrument :
BNA_F
ClientSampleId :
PB168750BS

Tgt Ion:278 Resp: 332919
Ion Ratio Lower Upper
278 100
139 15.1 13.5 20.3
279 23.3 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 43.784 ng
RT: 17.533 min Scan# 2608
Delta R.T. 0.018 min
Lab File: BF143052.D
Acq: 09 Jul 2025 12:54

Tgt Ion:276 Resp: 324667
Ion Ratio Lower Upper
276 100
277 23.3 18.8 28.2
138 20.6 17.6 26.4

