

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144200.D
 Acq On : 11 Nov 2025 13:36
 Operator : RC/JU
 Sample : PB170478BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170478BS

Quant Time: Nov 11 13:56:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	75320	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	282587	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	160149	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	268017	20.000	ng	0.00
76) Chrysene-d12	14.063	240	166103	20.000	ng	0.01
86) Perylene-d12	15.545	264	208533	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	551140	114.507	ng	0.01
7) Phenol-d6	6.510	99	612261	112.265	ng	0.01
23) Nitrobenzene-d5	7.439	82	408124	83.412	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	243773	121.299	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	856486	78.987	ng	0.00
79) Terphenyl-d14	12.998	244	866540	82.865	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	69787	35.071	ng	96
3) Pyridine	3.469	79	192404	34.657	ng	99
4) n-Nitrosodimethylamine	3.410	42	136976	47.235	ng	94
6) Aniline	6.540	93	266948	34.355	ng	94
8) 2-Chlorophenol	6.663	128	202619	42.926	ng	98
9) Benzaldehyde	6.428	77	100143	32.518	ng	97
10) Phenol	6.522	94	279333	41.921	ng	93
11) bis(2-Chloroethyl)ether	6.610	93	208389	42.920	ng	97
12) 1,3-Dichlorobenzene	6.816	146	241625	41.484	ng	99
13) 1,4-Dichlorobenzene	6.892	146	253427	43.430	ng	99
14) 1,2-Dichlorobenzene	7.045	146	241447	43.169	ng	99
15) Benzyl Alcohol	7.016	79	196161	45.424	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	397303	44.436	ng	93
17) 2-Methylphenol	7.128	107	162150	43.181	ng	97
18) Hexachloroethane	7.386	117	83780	43.215	ng	99
19) n-Nitroso-di-n-propyla...	7.287	70	154528	43.042	ng	94
20) 3+4-Methylphenols	7.281	107	184122	41.595	ng	93
22) Acetophenone	7.287	105	290309	47.889	ng	96
24) Nitrobenzene	7.457	77	234871	44.211	ng	99
25) Isophorone	7.698	82	416737	45.029	ng	99
26) 2-Nitrophenol	7.775	139	115191	43.802	ng	96
27) 2,4-Dimethylphenol	7.810	122	190067	48.221	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	257957	44.634	ng	96
29) 2,4-Dichlorophenol	8.016	162	193822	42.664	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	208428	44.679	ng	98
31) Naphthalene	8.181	128	585699	43.571	ng	99
32) Benzoic acid	7.939	122	131726	45.592	ng	96
33) 4-Chloroaniline	8.228	127	124369	25.368	ng	99
34) Hexachlorobutadiene	8.292	225	154326	43.896	ng	99
35) Caprolactam	8.639	113	23976	19.264	ng	99
36) 4-Chloro-3-methylphenol	8.716	107	182799	44.898	ng	99
37) 2-Methylnaphthalene	8.869	142	356464	39.662	ng	99
38) 1-Methylnaphthalene	8.969	142	368954	42.546	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	246104	46.890	ng	98
41) Hexachlorocyclopentadiene	9.022	237	197419	91.222	ng	96
43) 2,4,6-Trichlorophenol	9.151	196	153139	42.869	ng	100

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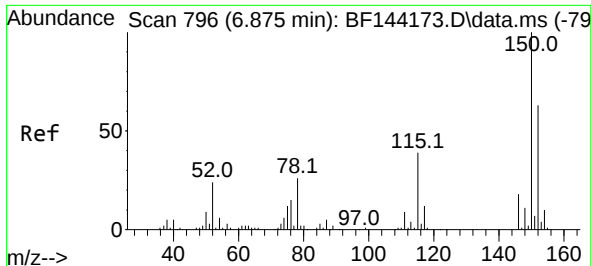
Quant Time: Nov 11 13:56:16 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	159933	41.540	ng	99
46) 1,1'-Biphenyl	9.339	154	524494	46.918	ng	99
47) 2-Chloronaphthalene	9.363	162	396675	41.599	ng	98
48) 2-Nitroaniline	9.463	65	126485	45.972	ng	99
49) Acenaphthylene	9.780	152	629798	48.466	ng	98
50) Dimethylphthalate	9.639	163	474893	44.761	ng	99
51) 2,6-Dinitrotoluene	9.704	165	102027	47.505	ng	98
52) Acenaphthene	9.951	154	345560	39.767	ng	98
53) 3-Nitroaniline	9.875	138	72985	31.087	ng	99
54) 2,4-Dinitrophenol	9.986	184	112309	86.597	ng	98
55) Dibenzofuran	10.122	168	509223	41.842	ng	98
56) 4-Nitrophenol	10.039	139	134569	79.237	ng	93
57) 2,4-Dinitrotoluene	10.110	165	130747	45.475	ng	93
58) Fluorene	10.469	166	403013	43.554	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	124788	45.811	ng	97
60) Diethylphthalate	10.339	149	442821	45.276	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	222229	42.162	ng	95
62) 4-Nitroaniline	10.492	138	98043	43.851	ng	98
63) Azobenzene	10.622	77	419160	46.050	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	77843	42.753	ng	97
66) n-Nitrosodiphenylamine	10.580	169	394291	45.741	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	151509	44.288	ng	98
68) Hexachlorobenzene	11.016	284	182575	45.310	ng	98
69) Atrazine	11.104	200	129589	47.271	ng	99
70) Pentachlorophenol	11.216	266	188539	93.963	ng	99
71) Phenanthrene	11.433	178	587824	44.051	ng	100
72) Anthracene	11.486	178	594138	43.787	ng	99
73) Carbazole	11.639	167	504944	43.764	ng	99
74) Di-n-butylphthalate	11.969	149	635124	45.535	ng	99
75) Fluoranthene	12.627	202	593499	43.055	ng	99
77) Benzidine	12.751	184	127913	26.035	ng	99
78) Pyrene	12.857	202	595945	44.498	ng	99
80) Butylbenzylphthalate	13.474	149	218599	47.094	ng	97
81) Benzo(a)anthracene	14.051	228	527718	45.840	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	137930	34.954	ng	96
83) Chrysene	14.086	228	467136	43.956	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	295568	46.515	ng	97
85) Di-n-octyl phthalate	14.645	149	506010	46.155	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	690764	46.145	ng	99
88) Benzo(b)fluoranthene	15.110	252	612732	51.683	ng	99
89) Benzo(k)fluoranthene	15.139	252	478154	43.090	ng	99
90) Benzo(a)pyrene	15.480	252	532196	48.659	ng	98
91) Dibenzo(a,h)anthracene	17.068	278	573506	47.705	ng	99
92) Benzo(g,h,i)perylene	17.509	276	584704	49.251	ng	99

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

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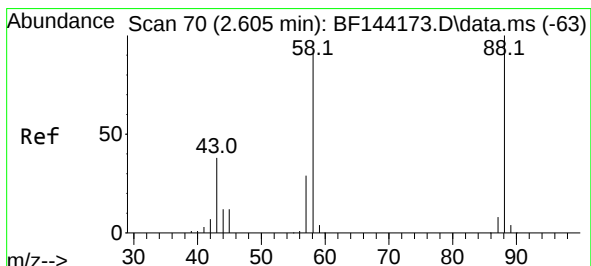
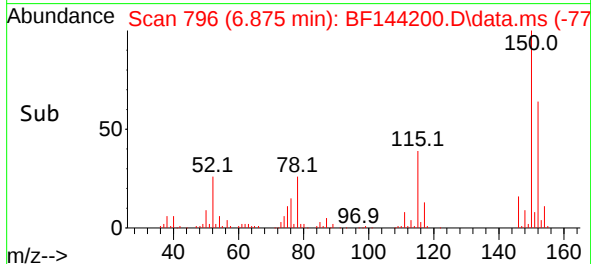
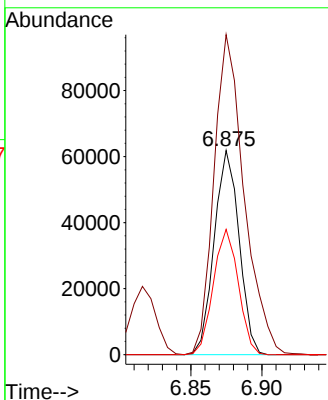
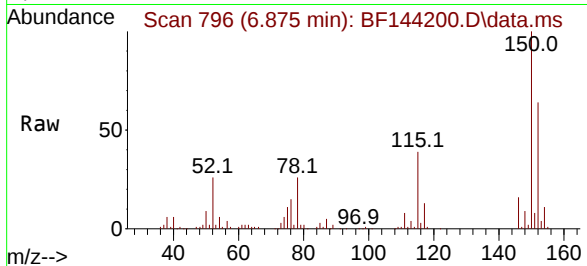




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF144200.D
 Acq: 11 Nov 2025 13:36

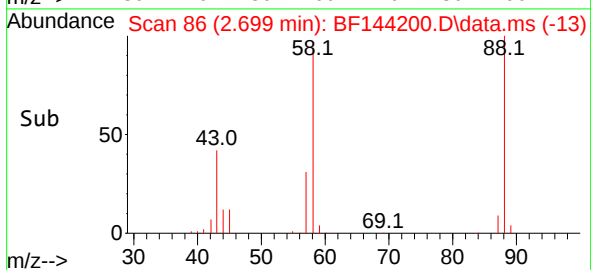
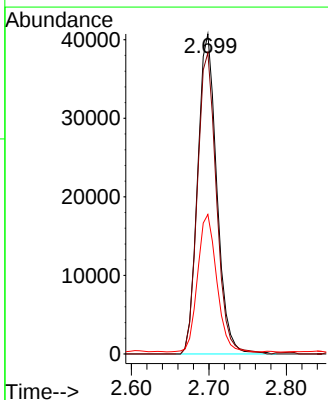
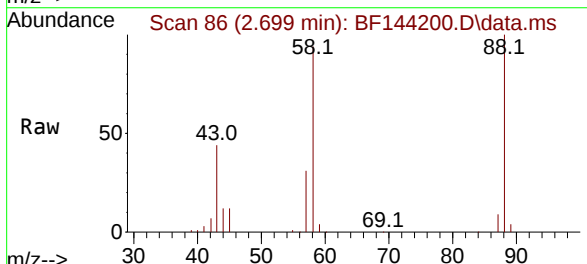
Instrument :
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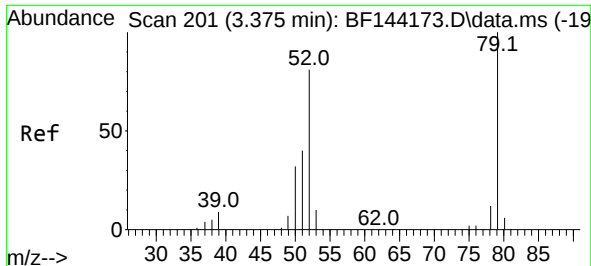
Tgt Ion:152 Resp: 75320
 Ion Ratio Lower Upper
 152 100
 150 156.7 127.4 191.0
 115 61.3 49.5 74.3



#2
 1,4-Dioxane
 Concen: 35.071 ng
 RT: 2.699 min Scan# 86
 Delta R.T. 0.082 min
 Lab File: BF144200.D
 Acq: 11 Nov 2025 13:36

Tgt Ion: 88 Resp: 69787
 Ion Ratio Lower Upper
 88 100
 58 93.6 73.1 109.7
 43 42.8 31.0 46.6

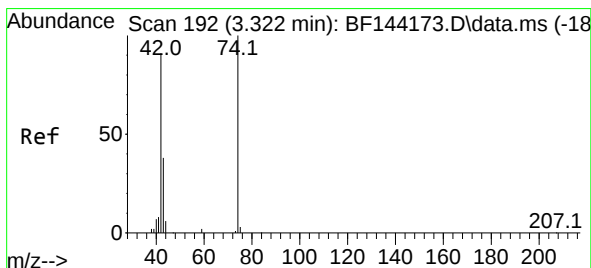
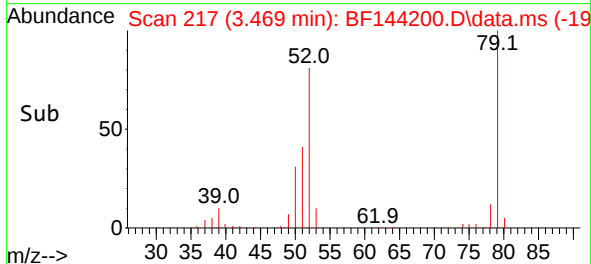
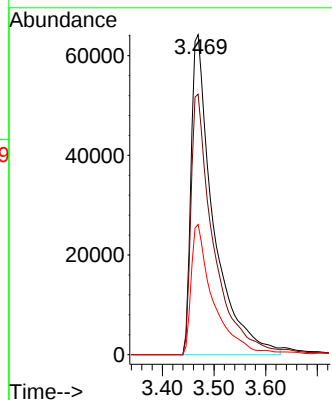
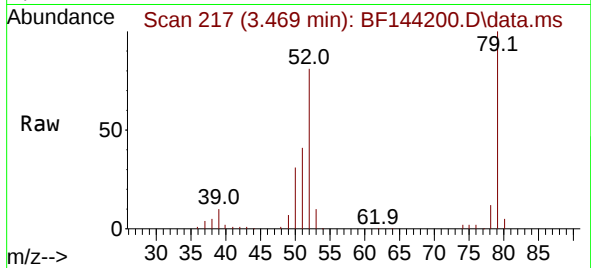




#3
Pyridine
Concen: 34.657 ng
RT: 3.469 min Scan# 21
Delta R.T. 0.059 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

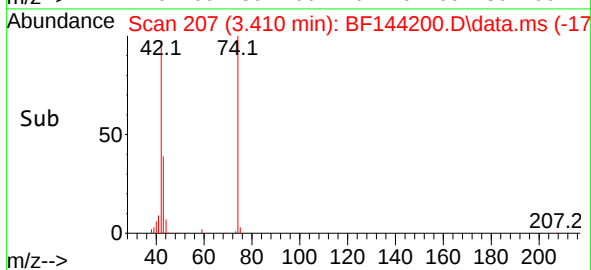
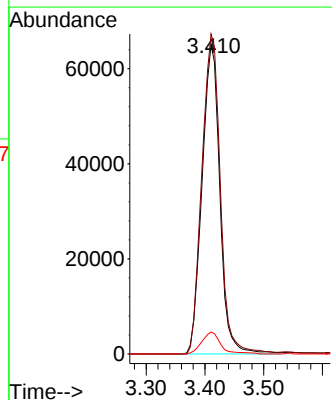
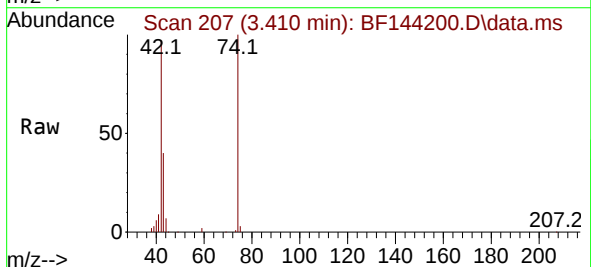
Instrument :
BNA_F
ClientSampleId :
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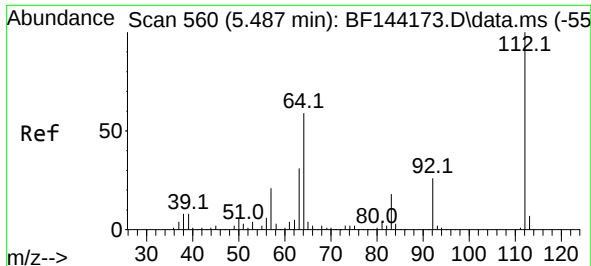
Tgt Ion: 79 Resp: 192404
Ion Ratio Lower Upper
79 100
52 81.4 64.5 96.7
51 40.7 31.7 47.5



#4
n-Nitrosodimethylamine
Concen: 47.235 ng
RT: 3.410 min Scan# 207
Delta R.T. 0.065 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion: 42 Resp: 136976
Ion Ratio Lower Upper
42 100
74 103.3 88.2 132.4
44 7.1 5.7 8.5

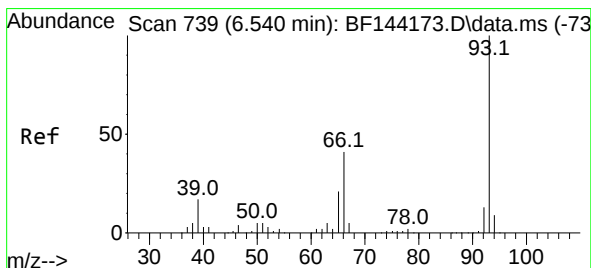
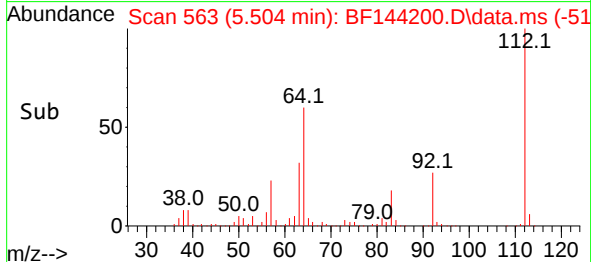
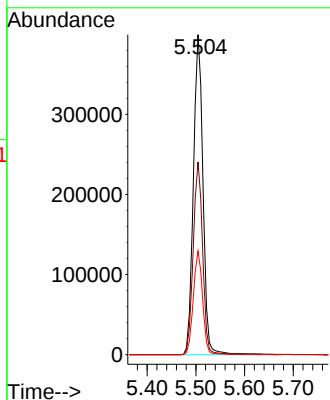
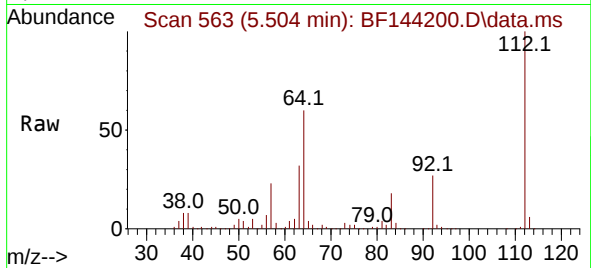




#5
2-Fluorophenol
Concen: 114.507 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

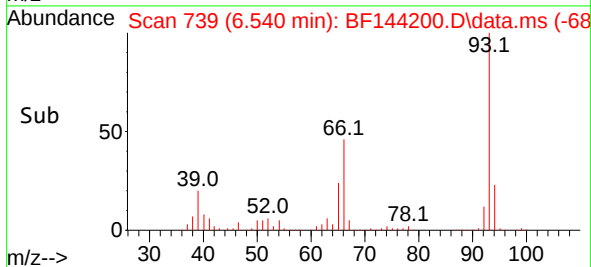
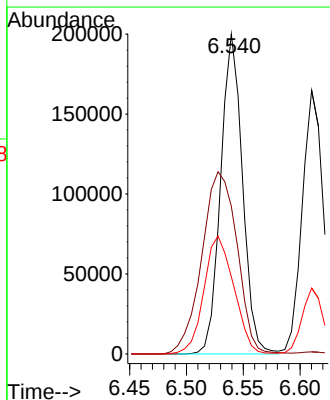
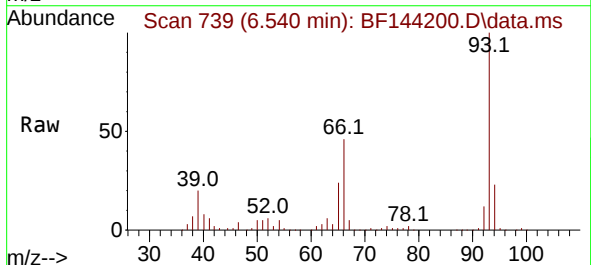
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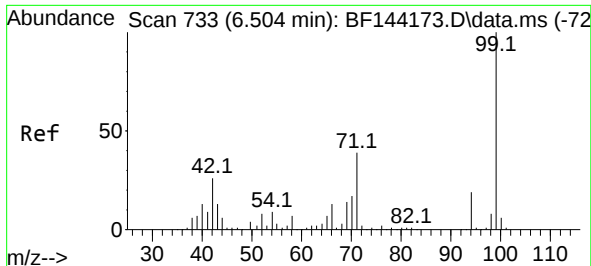
Tgt Ion:112 Resp: 551140
Ion Ratio Lower Upper
112 100
64 60.2 47.2 70.8
63 32.4 24.4 36.6



#6
Aniline
Concen: 34.355 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion: 93 Resp: 266948
Ion Ratio Lower Upper
93 100
66 46.2 34.3 51.5
65 24.1 16.9 25.3





#7

Phenol-d6

Concen: 112.265 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.012 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Instrument :

BNA_F

ClientSampleId :

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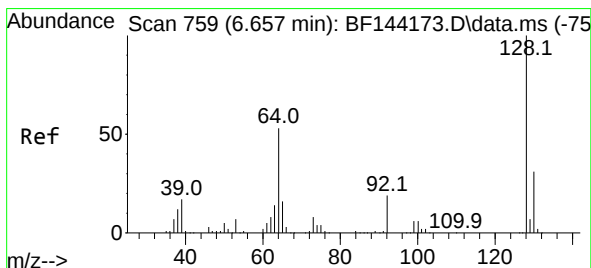
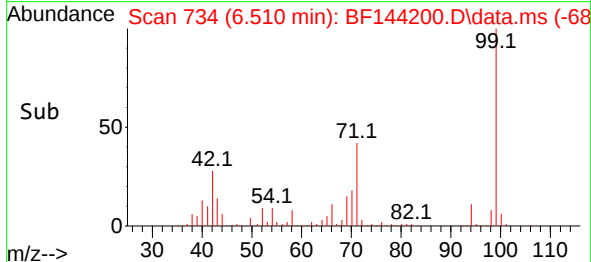
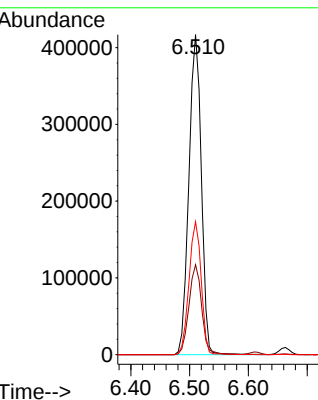
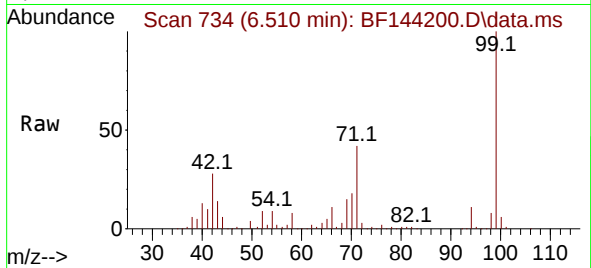
Tgt Ion: 99 Resp: 612261

Ion Ratio Lower Upper

99 100

42 28.1 20.9 31.3

71 41.5 31.4 47.2



#8

2-Chlorophenol

Concen: 42.926 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

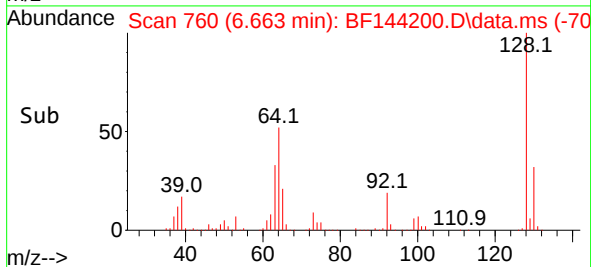
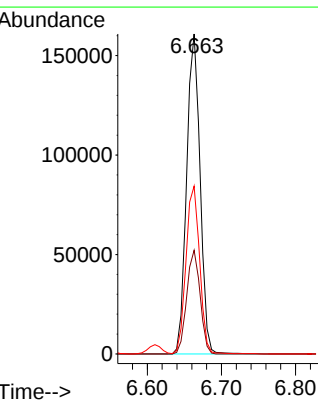
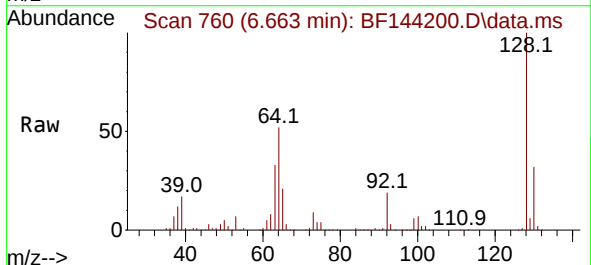
Tgt Ion:128 Resp: 202619

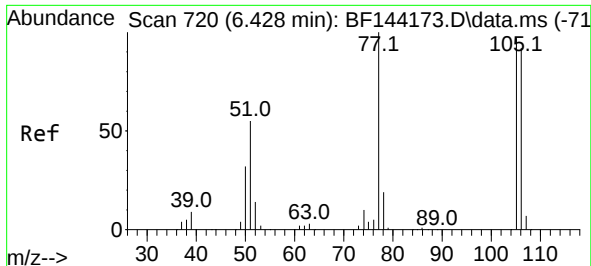
Ion Ratio Lower Upper

128 100

130 32.4 10.5 50.5

64 52.5 33.2 73.2





#9

Benzaldehyde

Concen: 32.518 ng

RT: 6.428 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Instrument :

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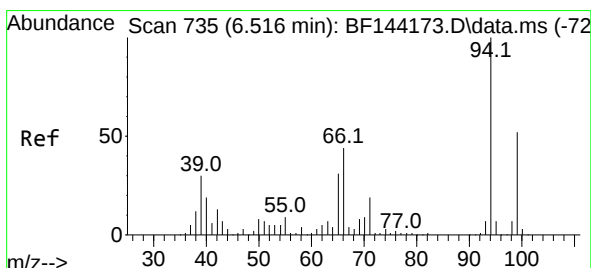
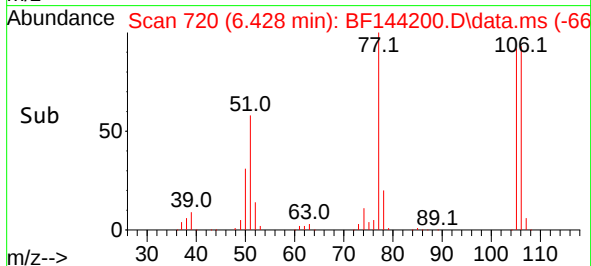
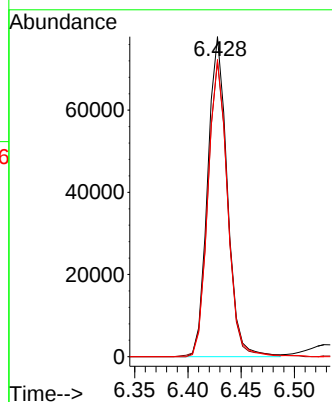
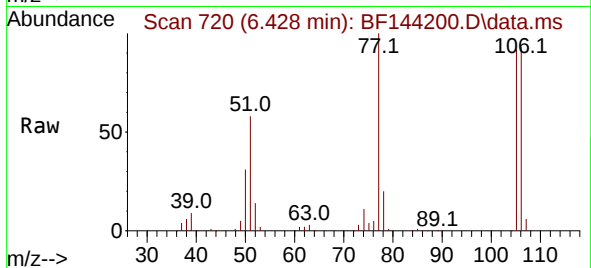
Tgt Ion: 77 Resp: 100143

Ion Ratio Lower Upper

77 100

105 92.2 77.2 117.2

106 92.9 72.2 112.2



#10

Phenol

Concen: 41.921 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.012 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

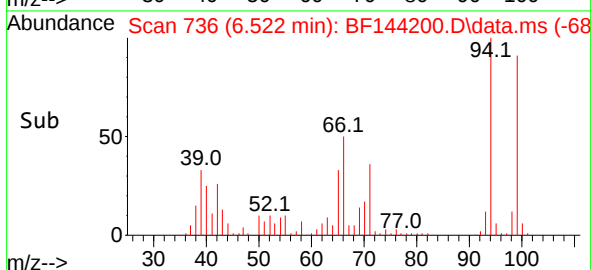
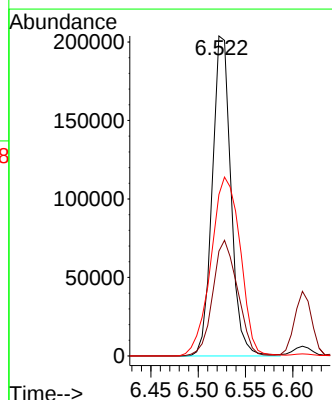
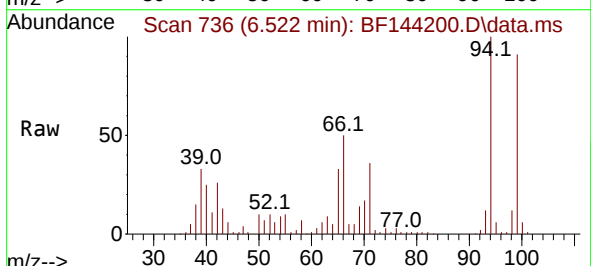
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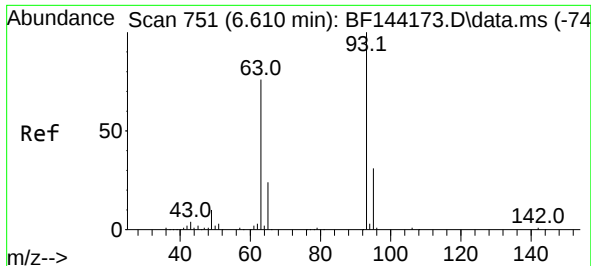
Ion Ratio Lower Upper

94 100

65 32.7 10.8 50.8

66 50.5 24.3 64.3

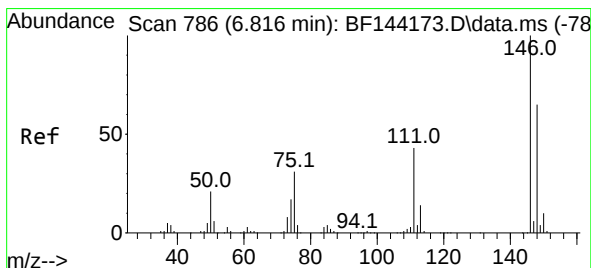
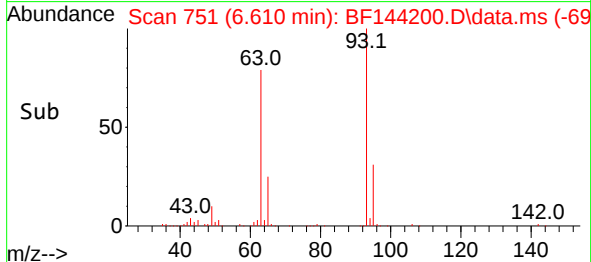
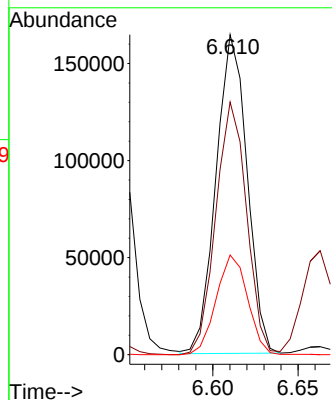
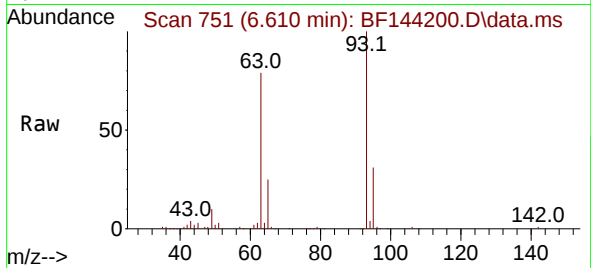




#11
bis(2-Chloroethyl)ether
Concen: 42.920 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

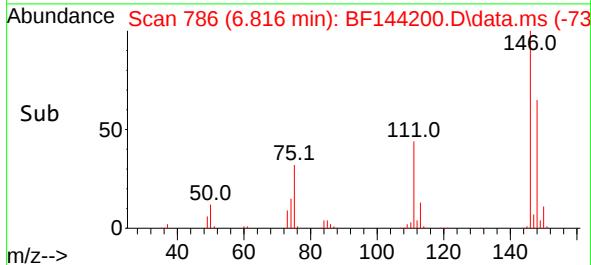
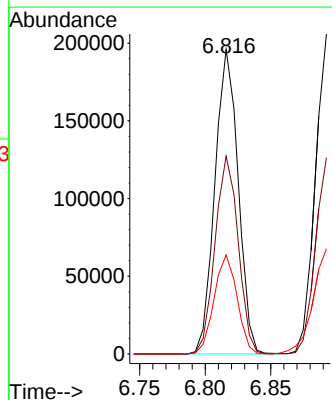
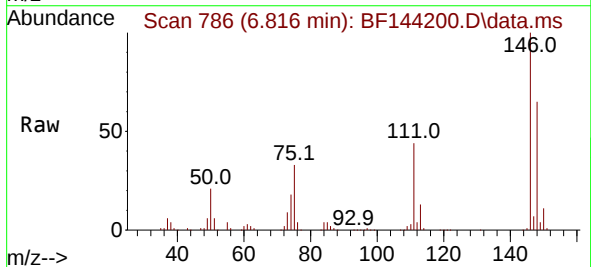
Instrument :
BNA_F
ClientSampleId :
PB170478BS

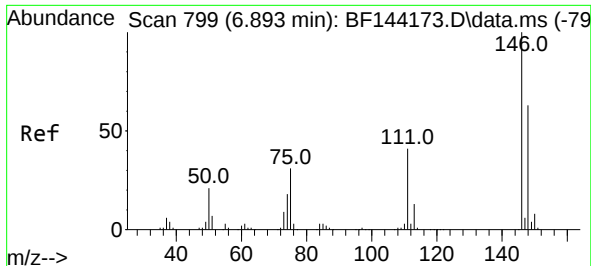
Tgt Ion: 93 Resp: 208389
Ion Ratio Lower Upper
93 100
63 79.0 55.2 95.2
95 31.1 11.2 51.2



#12
1,3-Dichlorobenzene
Concen: 41.484 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:146 Resp: 241625
Ion Ratio Lower Upper
146 100
148 65.0 51.8 77.8
75 32.5 25.0 37.4

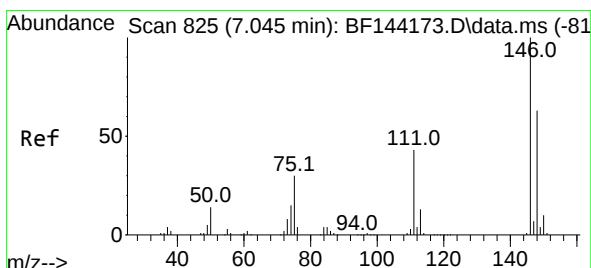
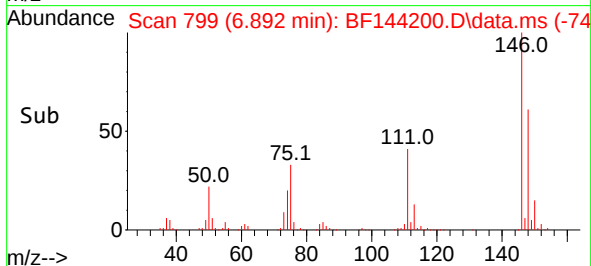
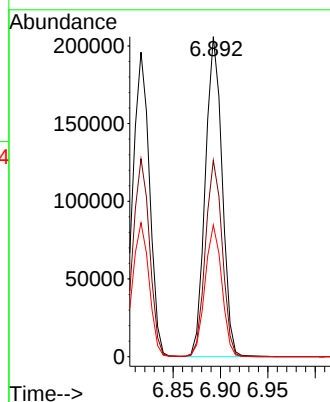
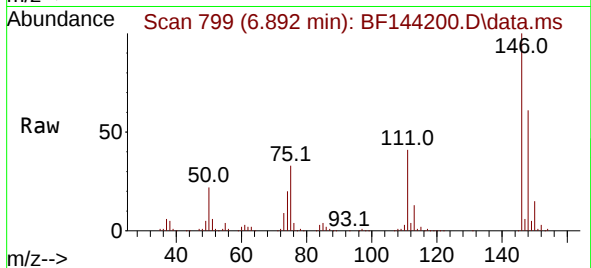




#13
1,4-Dichlorobenzene
Concen: 43.430 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

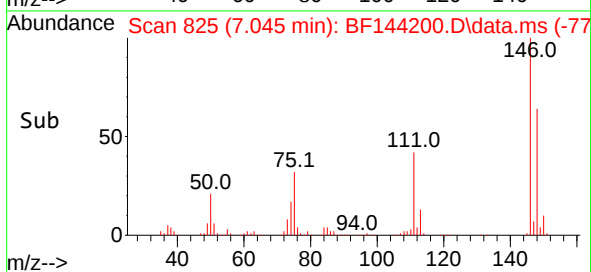
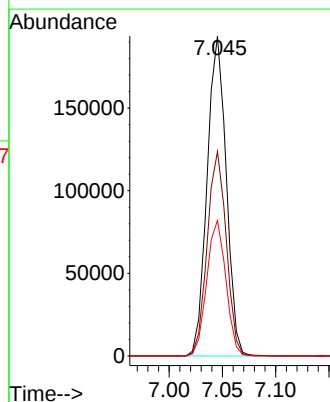
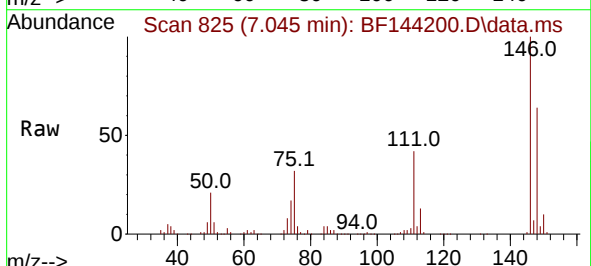
Instrument :
BNA_F
ClientSampleId :
PB170478BS

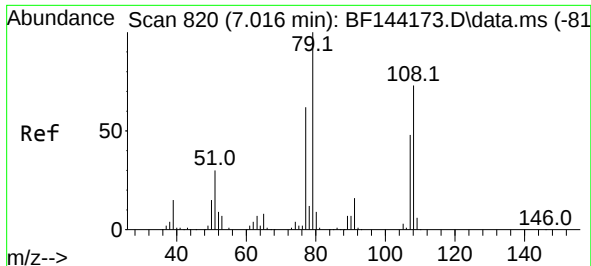
Tgt Ion:146 Resp: 253427
Ion Ratio Lower Upper
146 100
148 61.4 50.2 75.2
111 41.1 32.6 48.8



#14
1,2-Dichlorobenzene
Concen: 43.169 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:146 Resp: 241447
Ion Ratio Lower Upper
146 100
148 63.9 50.7 76.1
111 42.3 34.2 51.4

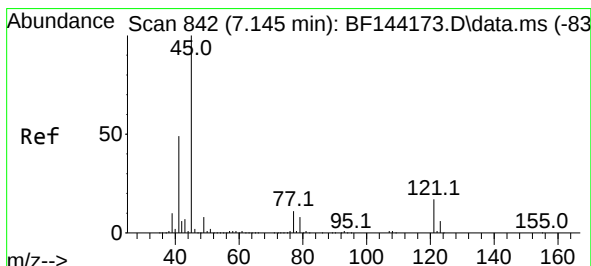
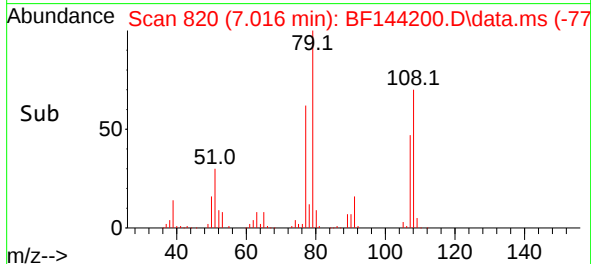
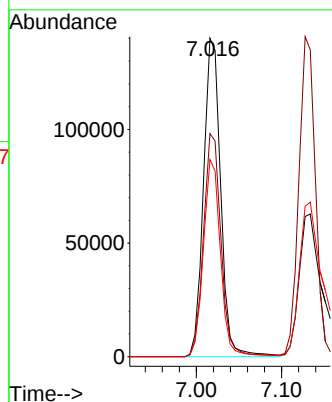
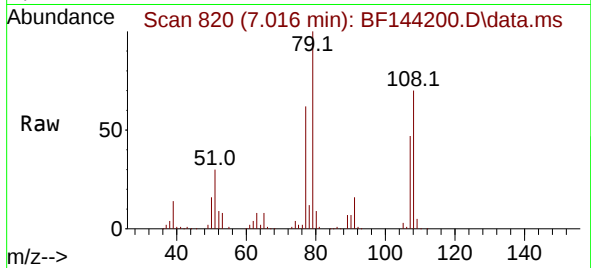




#15
Benzyl Alcohol
Concen: 45.424 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

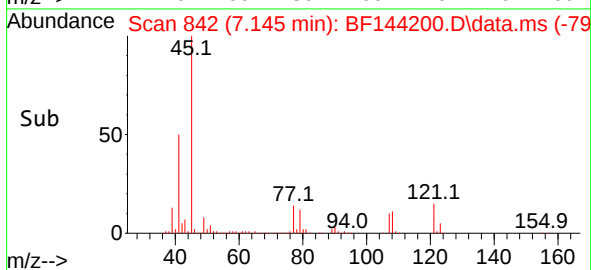
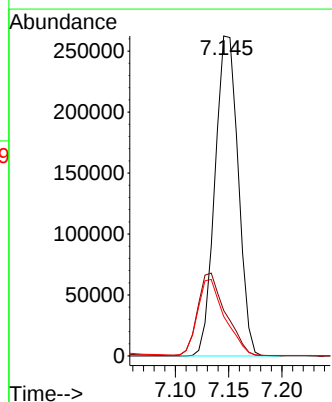
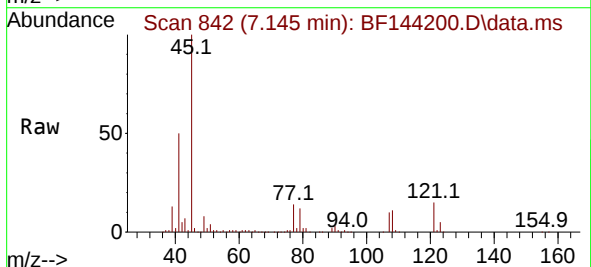
Instrument :
BNA_F
ClientSampleId :
PB170478BS

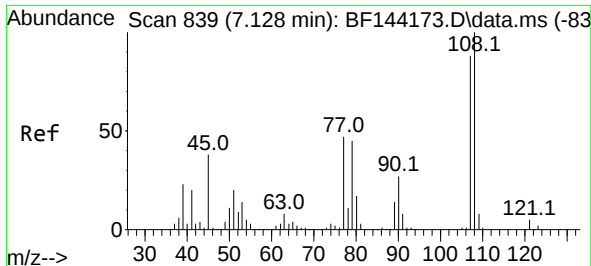
Tgt Ion: 79 Resp: 196161
Ion Ratio Lower Upper
79 100
108 70.0 58.2 87.4
77 61.9 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.436 ng
RT: 7.145 min Scan# 842
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion: 45 Resp: 397303
Ion Ratio Lower Upper
45 100
77 14.2 0.0 31.8
79 12.3 0.0 29.1

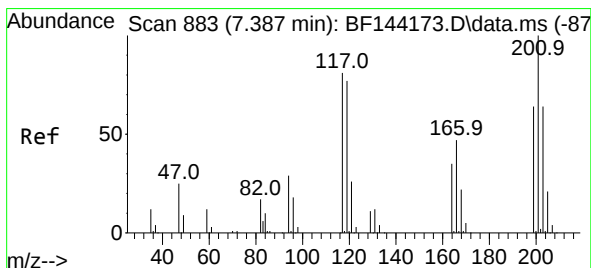
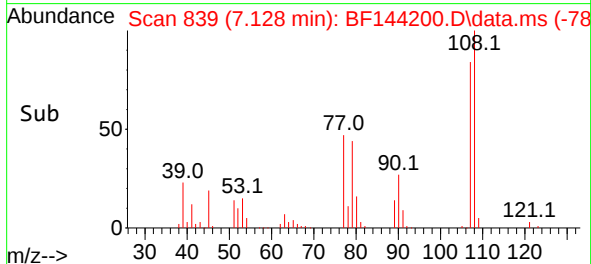
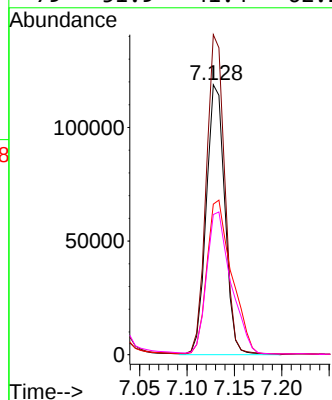
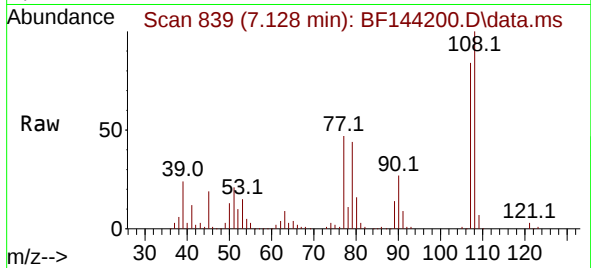




#17
2-Methylphenol
Concen: 43.181 ng
RT: 7.128 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

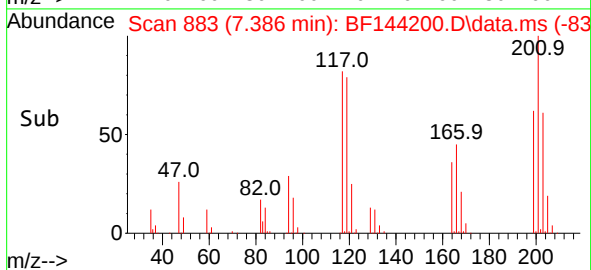
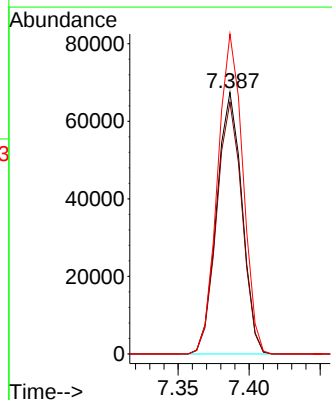
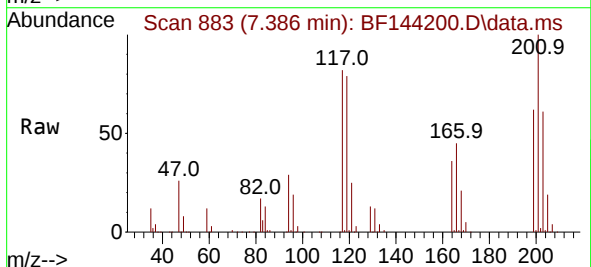
Instrument :
BNA_F
ClientSampleId :
PB170478BS

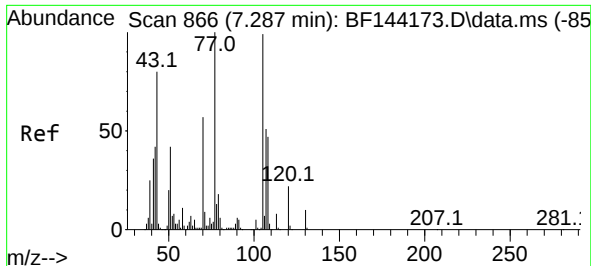
Tgt Ion:	107	Resp:	162150
Ion	Ratio	Lower	Upper
107	100		
108	118.5	91.0	136.4
77	55.8	42.7	64.1
79	51.9	41.4	62.2



#18
Hexachloroethane
Concen: 43.215 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:	117	Resp:	83780
Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.8	113.8
201	122.3	98.9	148.3

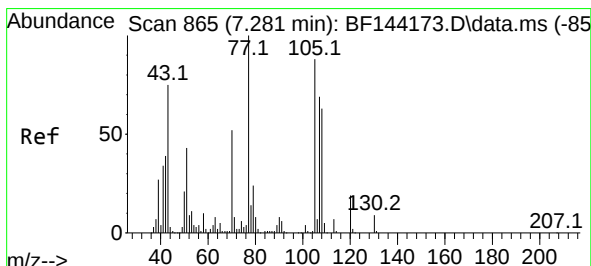
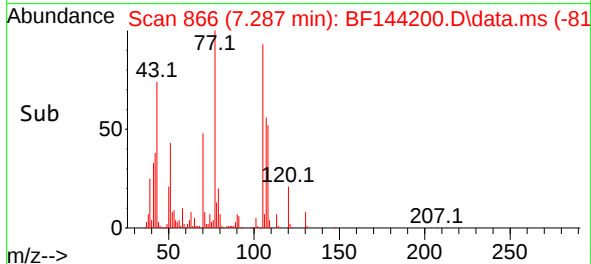
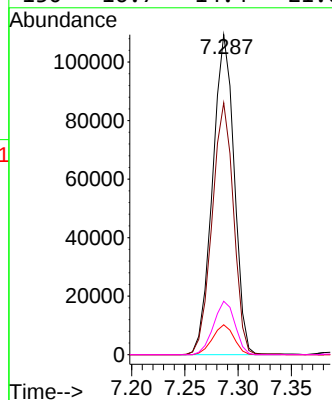
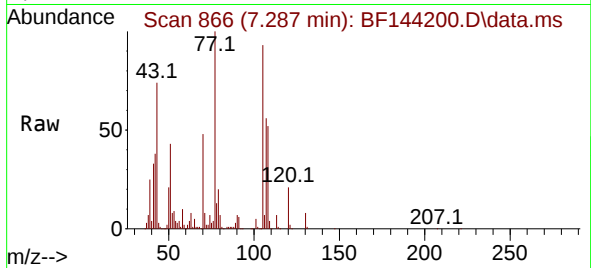




#19
n-Nitroso-di-n-propylamine
Concen: 43.042 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.012 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

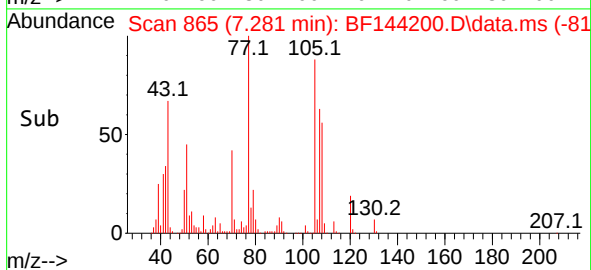
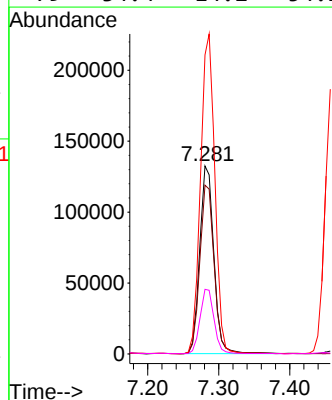
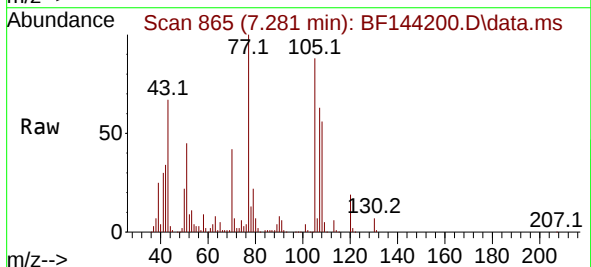
Instrument :
BNA_F
ClientSampleId :
PB170478BS

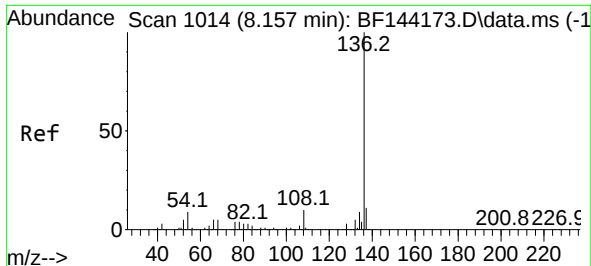
Tgt Ion: 70 Resp: 154528
Ion Ratio Lower Upper
70 100
42 78.7 58.3 87.5
101 9.3 7.0 10.6
130 16.7 14.4 21.6



#20
3+4-Methylphenols
Concen: 41.595 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion: 107 Resp: 184122
Ion Ratio Lower Upper
107 100
108 89.8 70.2 110.2
77 159.1 123.9 163.9
79 34.4 14.2 54.2

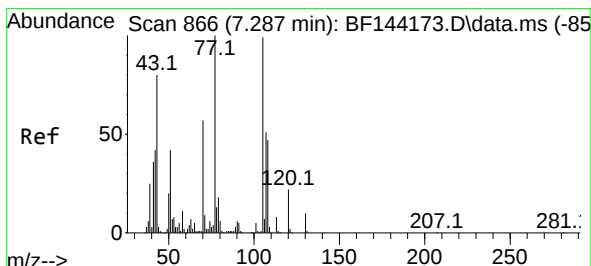
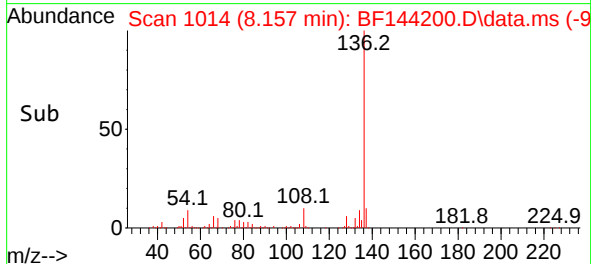
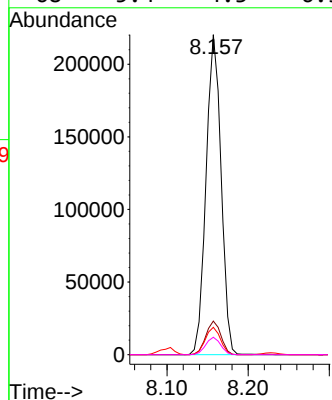
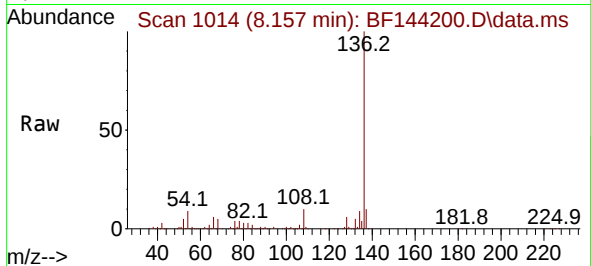




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

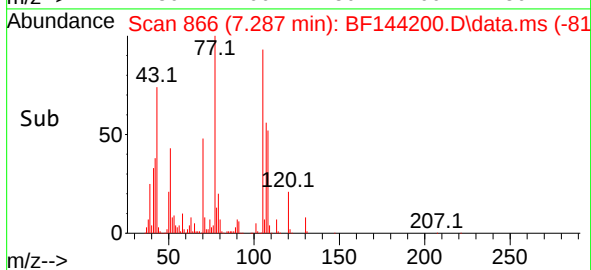
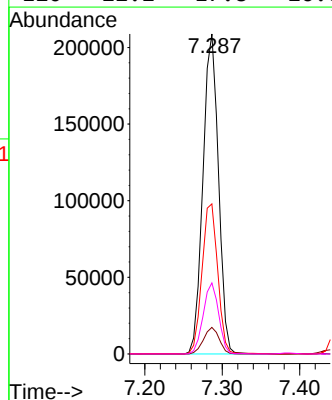
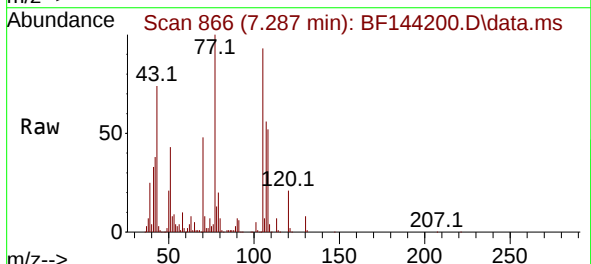
Instrument :
BNA_F
ClientSampleId :
PB170478BS

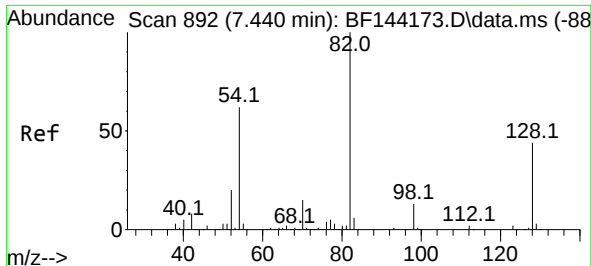
Tgt Ion:	136	Resp:	282587
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.6	13.0
54	8.6	7.0	10.6
68	5.4	4.3	6.5



#22
Acetophenone
Concen: 47.889 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:	105	Resp:	290309
Ion Ratio	Lower	Upper	
105	100		
71	8.3	7.2	10.8
51	46.9	34.0	51.0
120	22.2	17.8	26.6





#23

Nitrobenzene-d5

Concen: 83.412 ng

RT: 7.439 min Scan# 892

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Instrument :

BNA_F

ClientSampleId :

PB170478BS

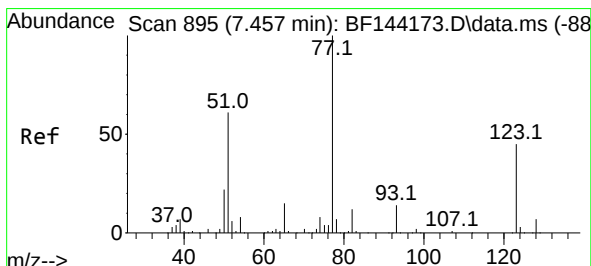
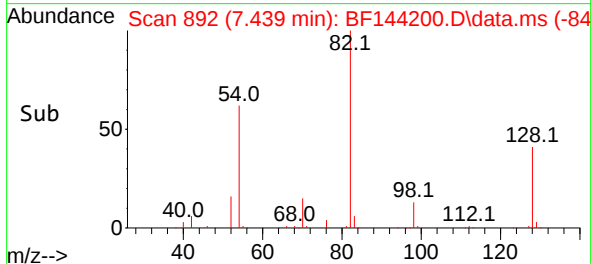
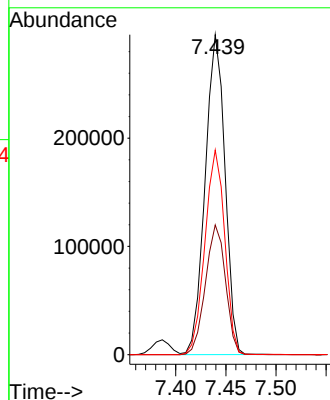
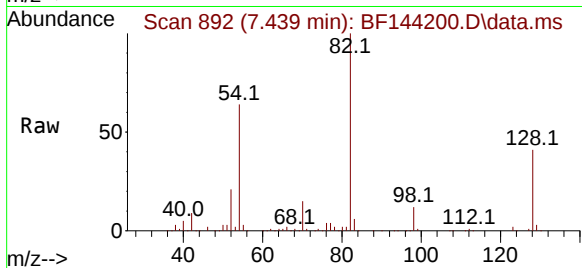
Tgt Ion: 82 Resp: 408124

Ion Ratio Lower Upper

82 100

128 40.6 34.7 52.1

54 64.0 49.5 74.3



#24

Nitrobenzene

Concen: 44.211 ng

RT: 7.457 min Scan# 895

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

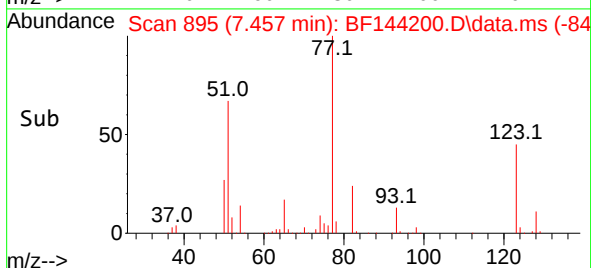
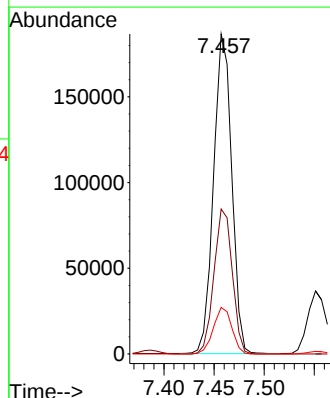
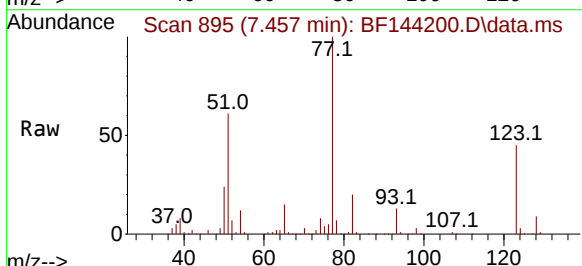
Tgt Ion: 77 Resp: 234871

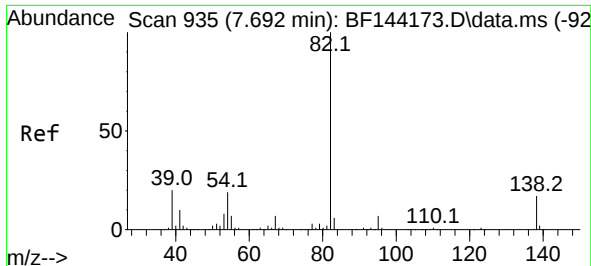
Ion Ratio Lower Upper

77 100

123 45.3 35.8 53.8

65 14.5 12.2 18.2

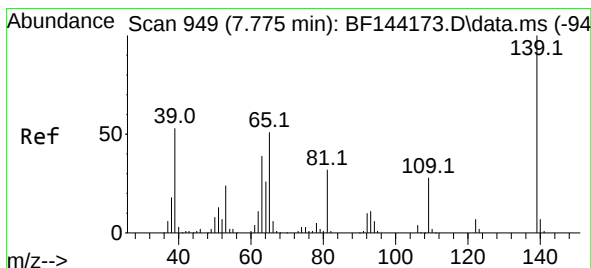
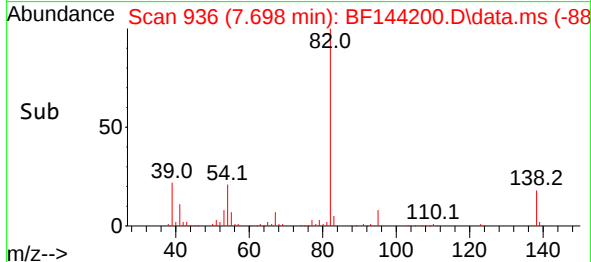
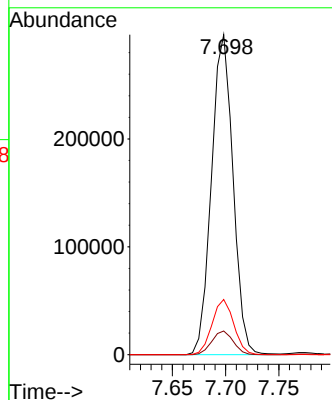
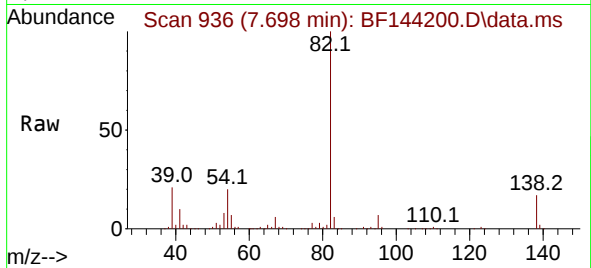




#25
Isophorone
Concen: 45.029 ng
RT: 7.698 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

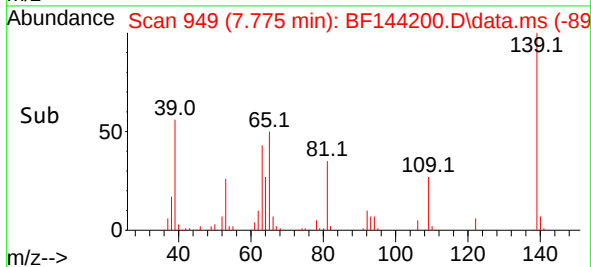
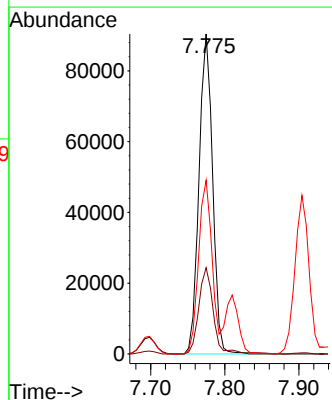
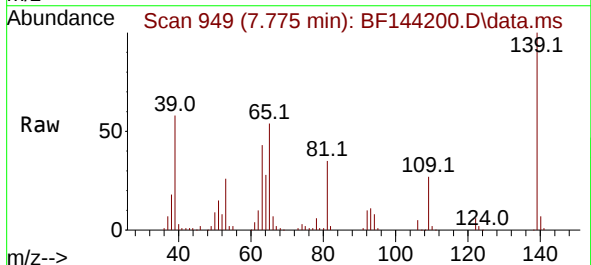
Instrument :
BNA_F
ClientSampleId :
PB170478BS

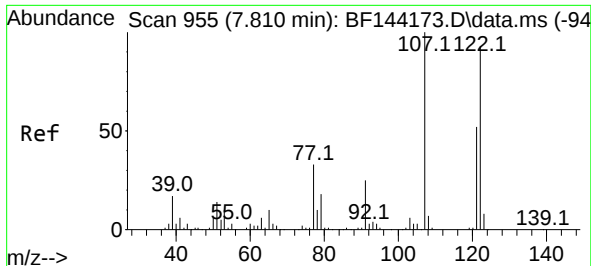
Tgt Ion: 82 Resp: 416737
Ion Ratio Lower Upper
82 100
95 7.4 5.5 8.3
138 17.2 13.7 20.5



#26
2-Nitrophenol
Concen: 43.802 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:139 Resp: 115191
Ion Ratio Lower Upper
139 100
109 27.0 22.2 33.2
65 54.3 40.7 61.1





#27

2,4-Dimethylphenol

Concen: 48.221 ng

RT: 7.810 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Instrument :

BNA_F

ClientSampleId :

PB170478BS

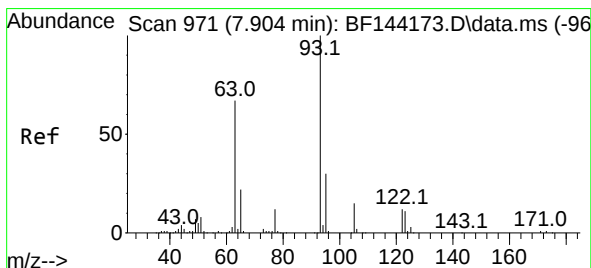
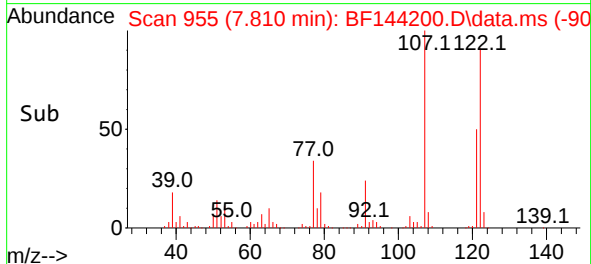
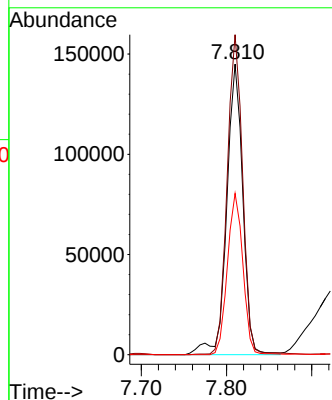
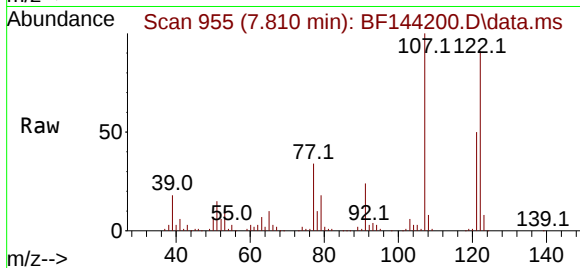
Tgt Ion:122 Resp: 190067

Ion Ratio Lower Upper

122 100

107 110.2 86.2 129.4

121 55.5 44.6 66.8



#28

bis(2-Chloroethoxy)methane

Concen: 44.634 ng

RT: 7.904 min Scan# 971

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

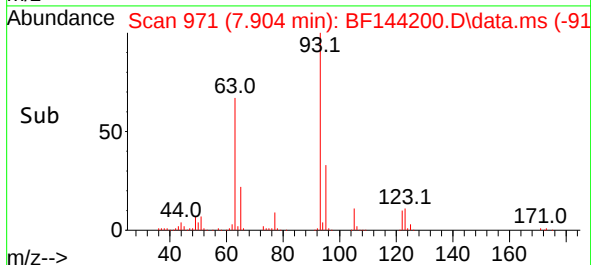
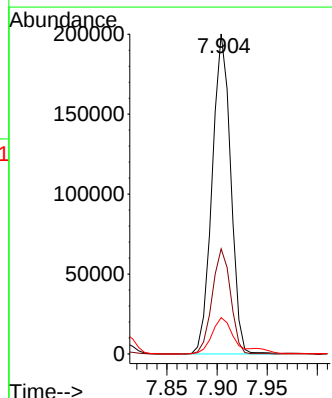
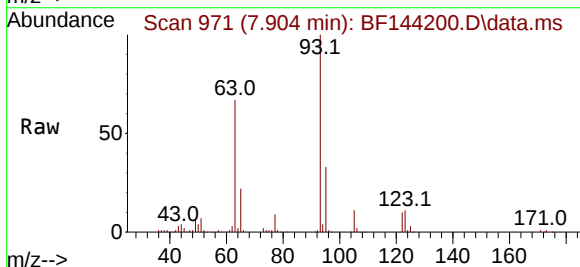
Tgt Ion: 93 Resp: 257957

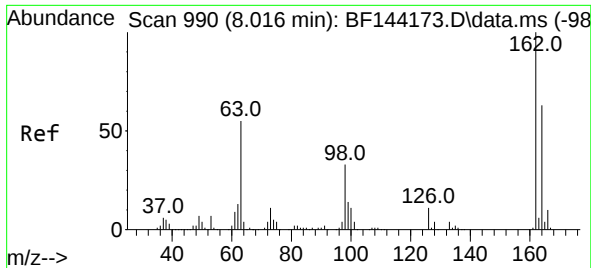
Ion Ratio Lower Upper

93 100

95 32.9 24.2 36.4

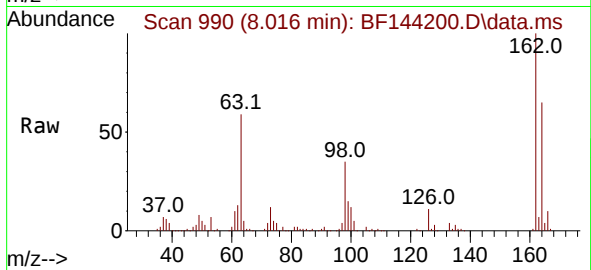
123 11.3 9.0 13.4



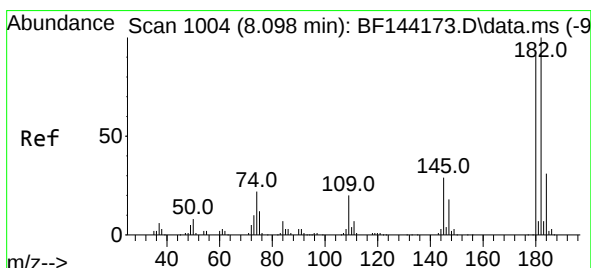
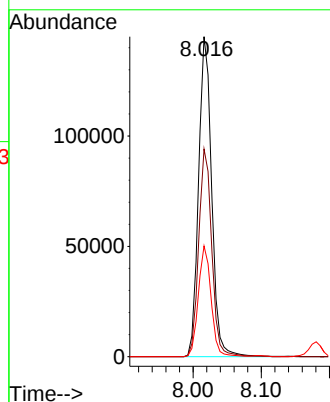
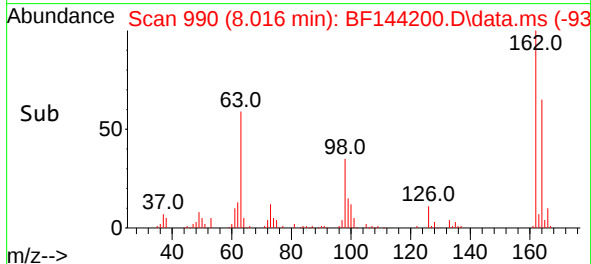


#29
2,4-Dichlorophenol
Concen: 42.664 ng
RT: 8.016 min Scan# 990
Delta R.T. -0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

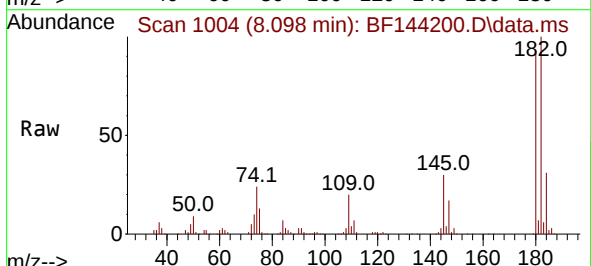
Instrument :
BNA_F
ClientSampleId :
PB170478BS



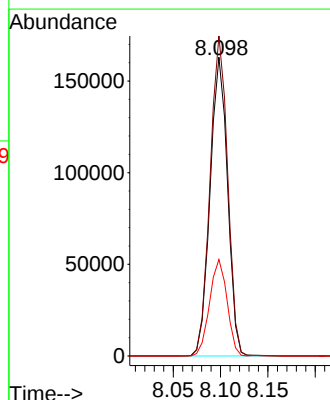
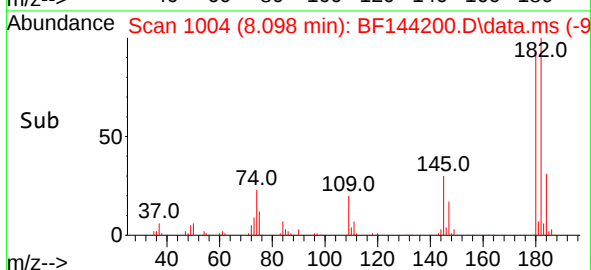
Tgt Ion:162 Resp: 193822
Ion Ratio Lower Upper
162 100
164 64.9 42.9 82.9
98 34.6 13.3 53.3

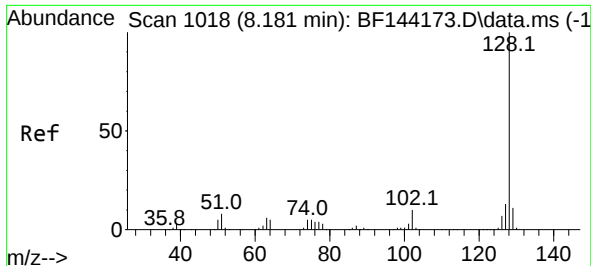


#30
1,2,4-Trichlorobenzene
Concen: 44.679 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36



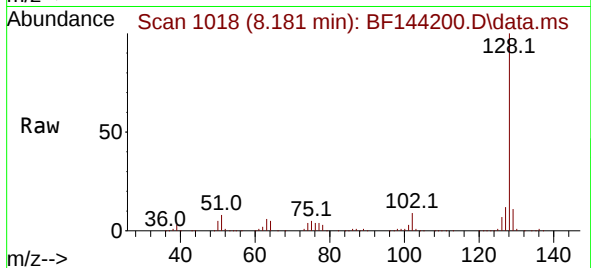
Tgt Ion:180 Resp: 208428
Ion Ratio Lower Upper
180 100
182 107.1 87.7 131.5
145 32.3 25.4 38.0



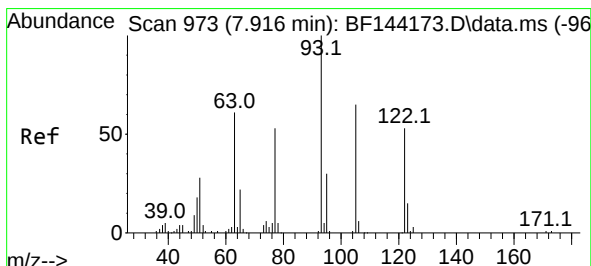
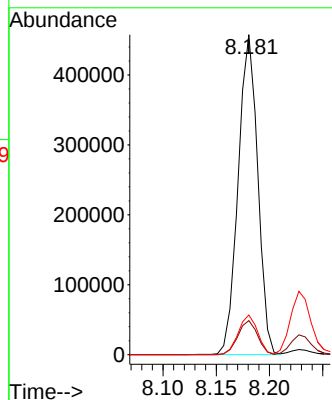
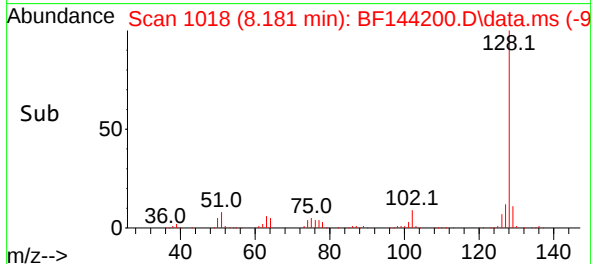


#31
Naphthalene
Concen: 43.571 ng
RT: 8.181 min Scan# 1018
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Instrument :
BNA_F
ClientSampleId :
PB170478BS

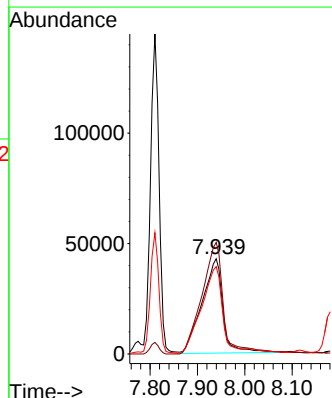
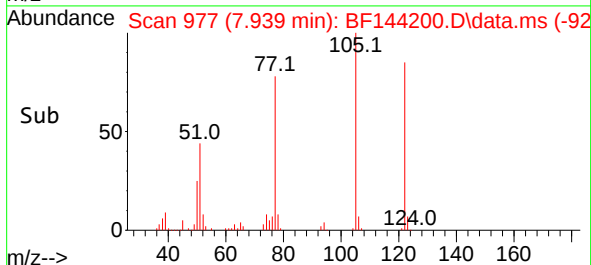
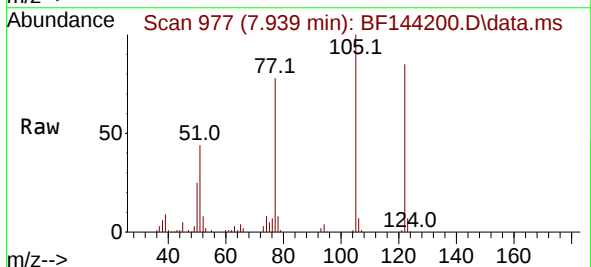


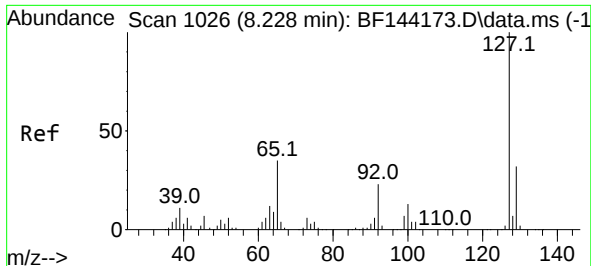
Tgt Ion:128 Resp: 585699
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 12.4 10.3 15.5



#32
Benzoic acid
Concen: 45.592 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.012 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:122 Resp: 131726
Ion Ratio Lower Upper
122 100
105 117.2 99.9 139.9
77 91.7 77.5 117.5

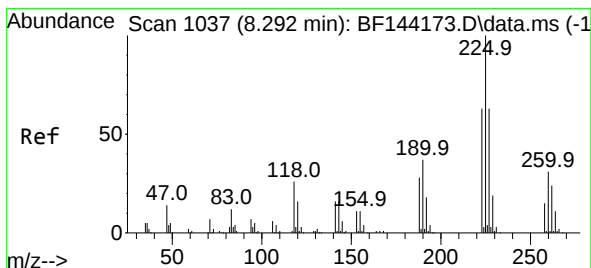
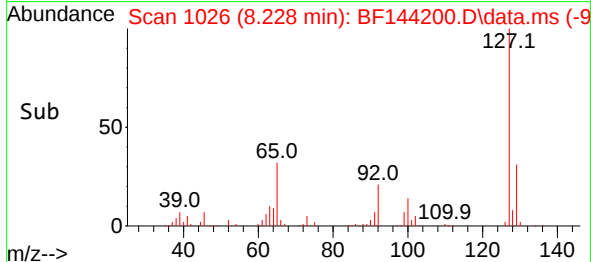
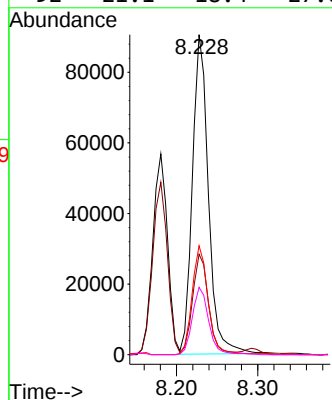
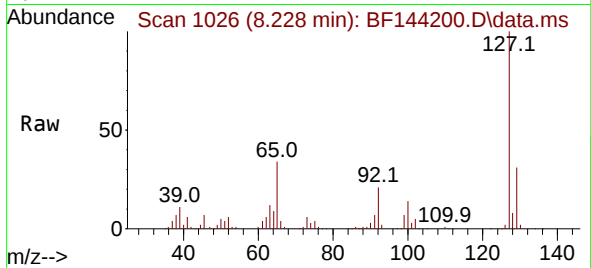




#33
4-Chloroaniline
Concen: 25.368 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

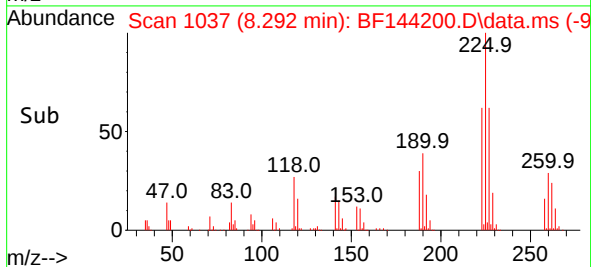
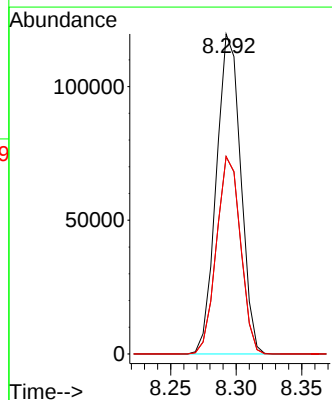
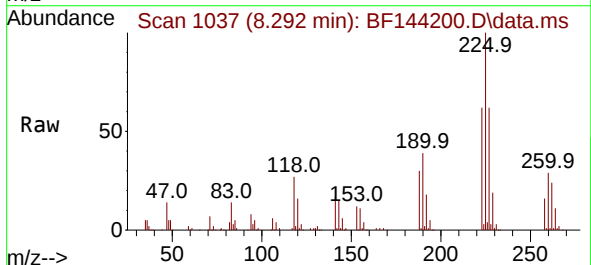
Instrument :
BNA_F
ClientSampleId :
PB170478BS

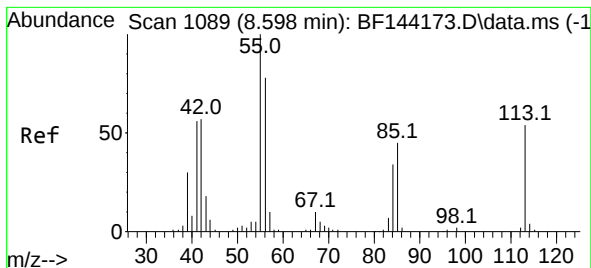
Tgt Ion:127	Resp: 124369
Ion Ratio	Lower Upper
127 100	
129 31.4	25.3 37.9
65 34.0	27.6 41.4
92 21.1	18.4 27.6



#34
Hexachlorobutadiene
Concen: 43.896 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:225	Resp: 154326
Ion Ratio	Lower Upper
225 100	
223 61.7	50.2 75.4
227 61.6	50.1 75.1





#35

Caprolactam

Concen: 19.264 ng

RT: 8.639 min Scan# 1109

Delta R.T. 0.018 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Instrument :

BNA_F

ClientSampleId :

PB170478BS

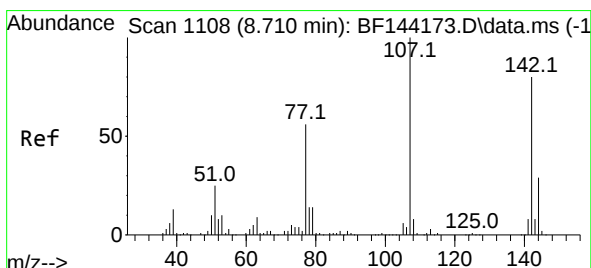
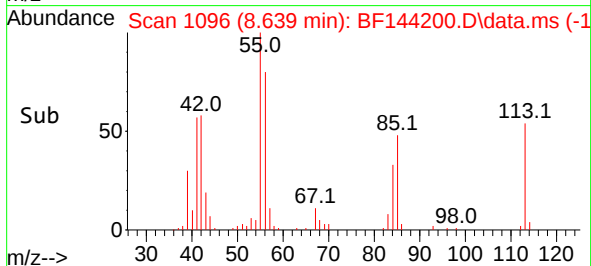
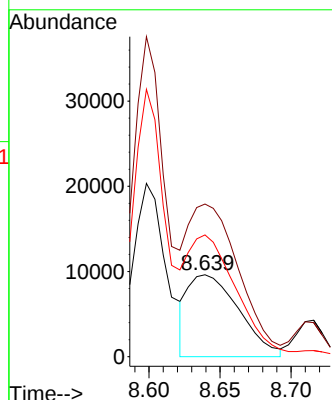
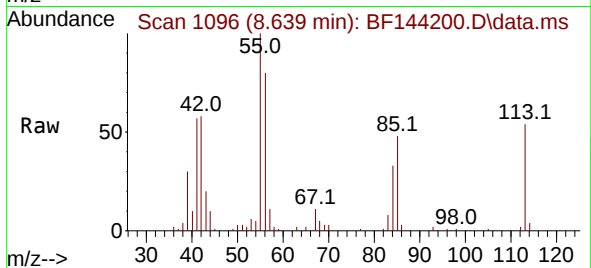
Tgt Ion:113 Resp: 23976

Ion Ratio Lower Upper

113 100

55 186.3 166.8 206.8

56 148.5 125.9 165.9



#36

4-Chloro-3-methylphenol

Concen: 44.898 ng

RT: 8.716 min Scan# 1109

Delta R.T. 0.012 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

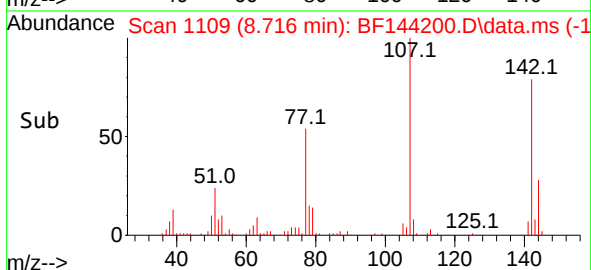
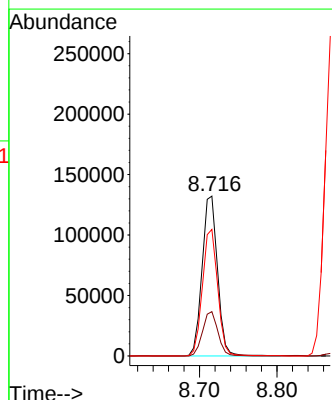
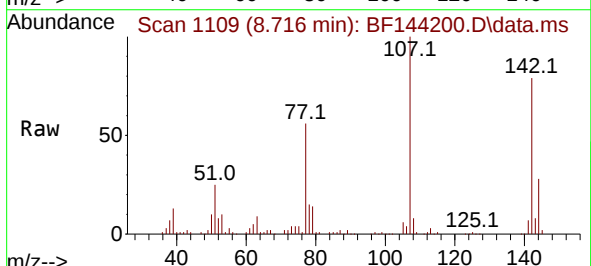
Tgt Ion:107 Resp: 182799

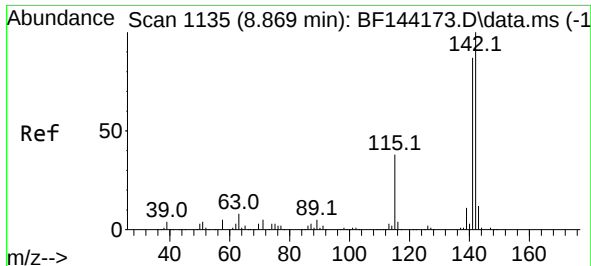
Ion Ratio Lower Upper

107 100

144 27.7 23.3 34.9

142 79.2 63.8 95.6

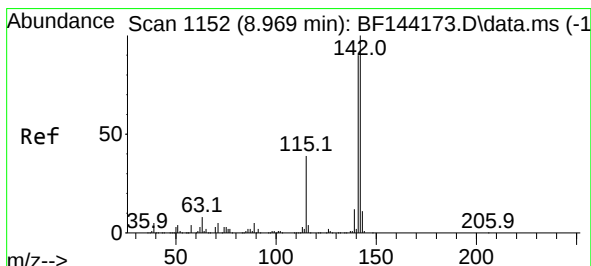
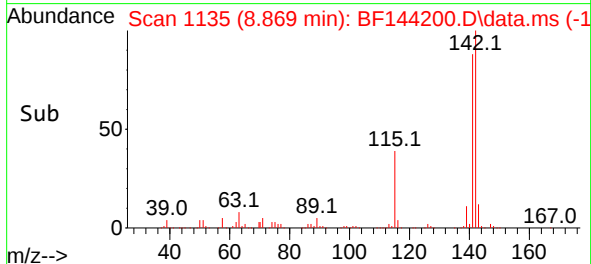
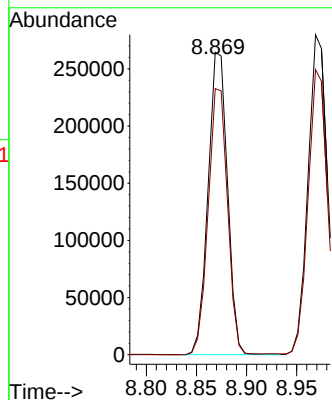
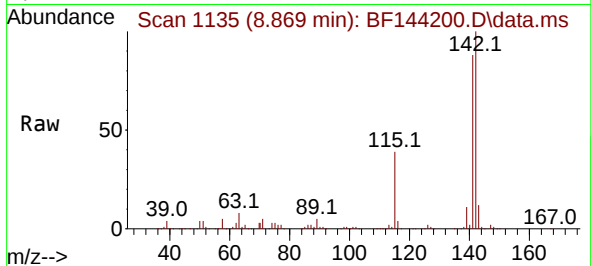




#37
2-Methylnaphthalene
Concen: 39.662 ng
RT: 8.869 min Scan# 1135
Delta R.T. -0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

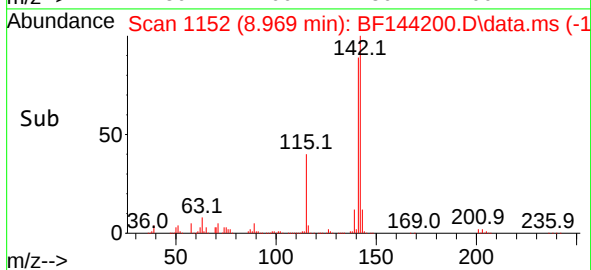
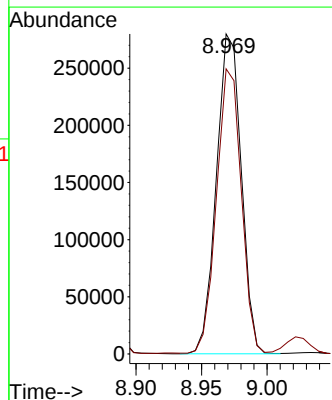
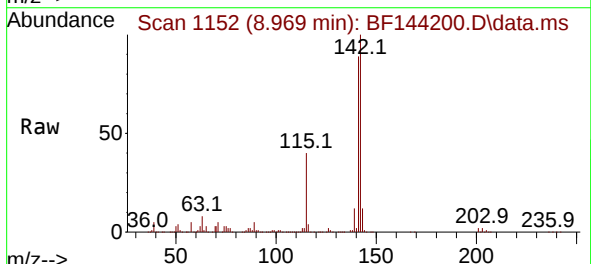
Instrument :
BNA_F
ClientSampleId :
PB170478BS

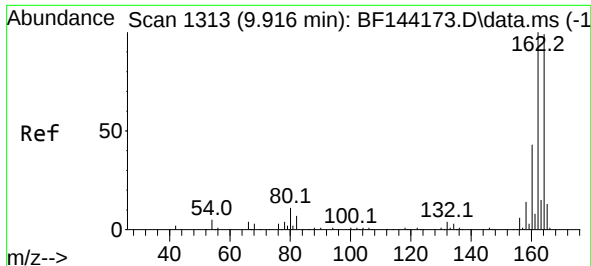
Tgt Ion:142 Resp: 356464
Ion Ratio Lower Upper
142 100
141 87.9 69.9 104.9



#38
1-Methylnaphthalene
Concen: 42.546 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:142 Resp: 368954
Ion Ratio Lower Upper
142 100
141 89.1 72.1 108.1

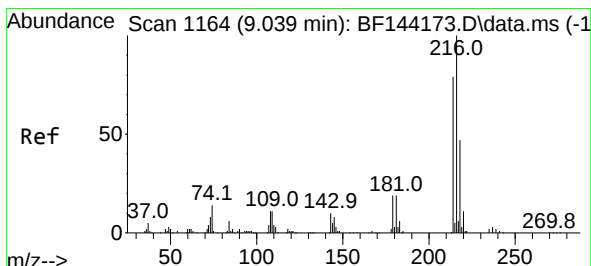
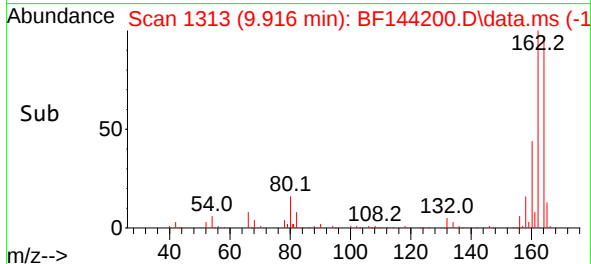
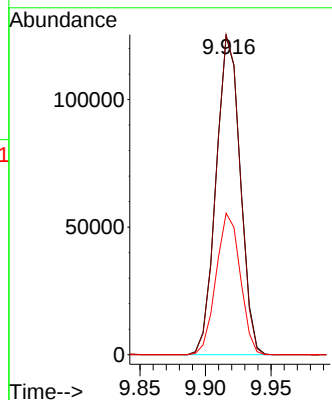
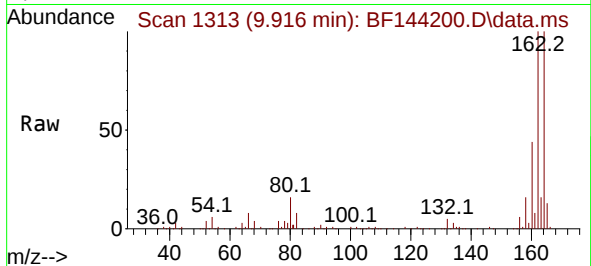




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

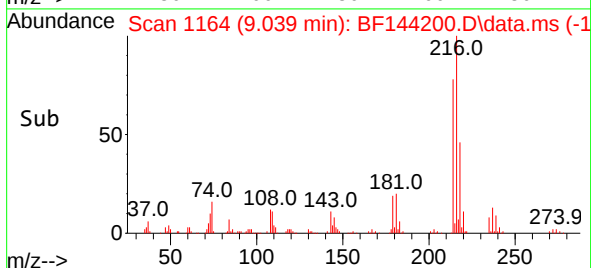
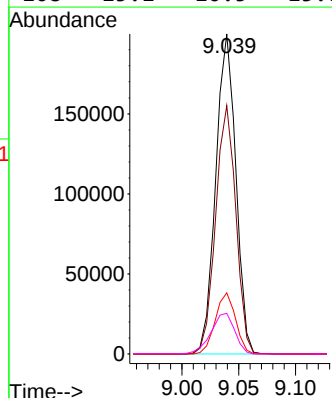
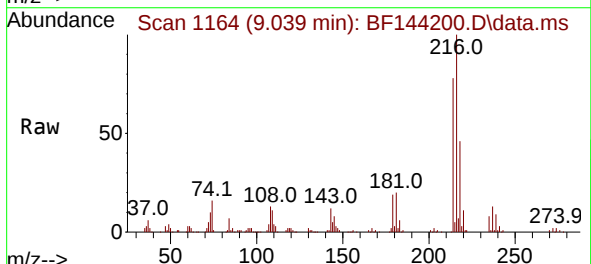
Instrument :
BNA_F
ClientSampleId :
PB170478BS

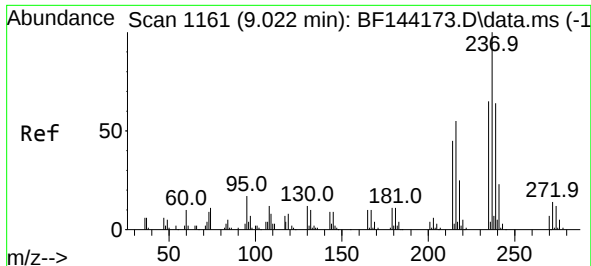
Tgt Ion:164 Resp: 160149
Ion Ratio Lower Upper
164 100
162 100.5 81.1 121.7
160 44.4 34.5 51.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.890 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

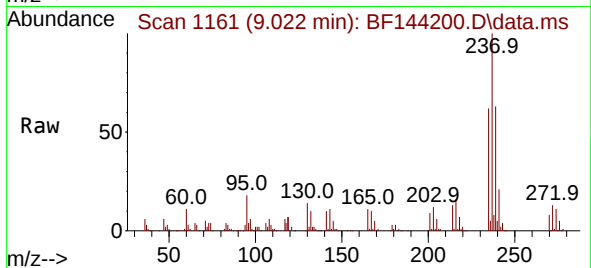
Tgt Ion:216 Resp: 246104
Ion Ratio Lower Upper
216 100
214 78.1 63.4 95.2
179 19.2 15.0 22.4
108 15.1 10.5 15.7



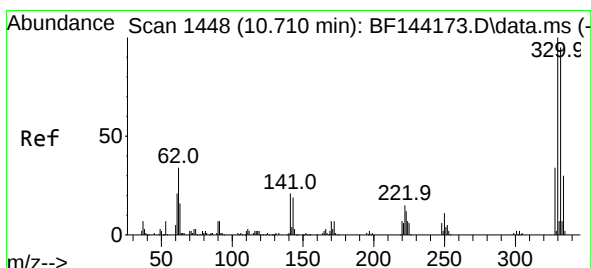
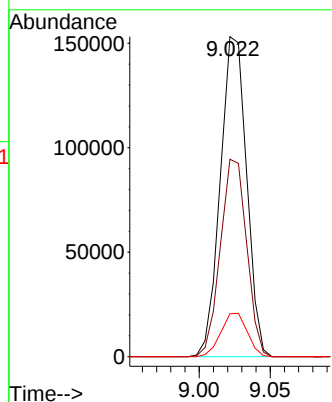
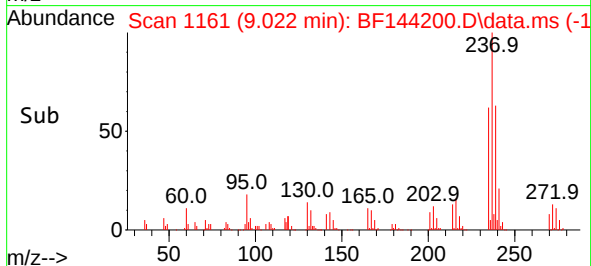


#41
Hexachlorocyclopentadiene
Concen: 91.222 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

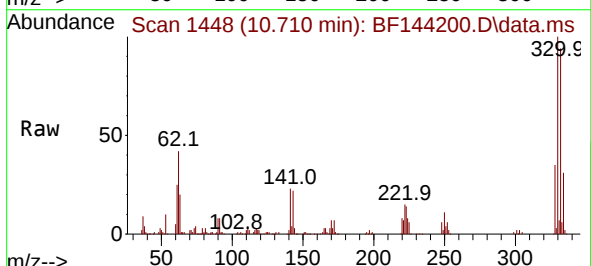
Instrument :
BNA_F
ClientSampleId :
PB170478BS



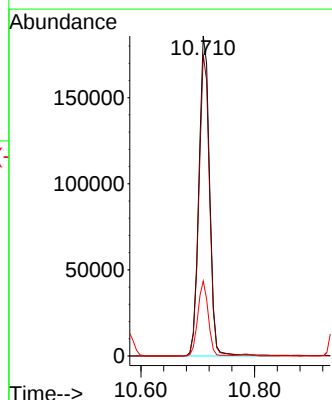
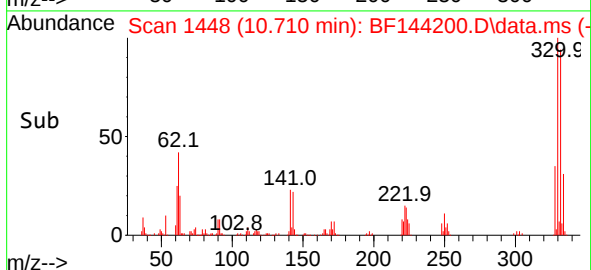
Tgt Ion:237 Resp: 197419
Ion Ratio Lower Upper
237 100
235 61.7 45.5 85.5
272 13.4 0.0 33.5

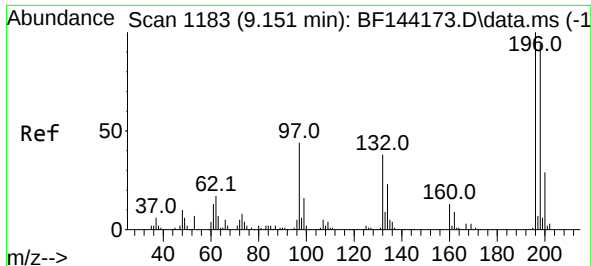


#42
2,4,6-Tribromophenol
Concen: 121.299 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36



Tgt Ion:330 Resp: 243773
Ion Ratio Lower Upper
330 100
332 94.4 76.7 115.1
141 22.7 17.8 26.8





#43

2,4,6-Trichlorophenol

Concen: 42.869 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Instrument :

BNA_F

ClientSampleId :

PB170478BS

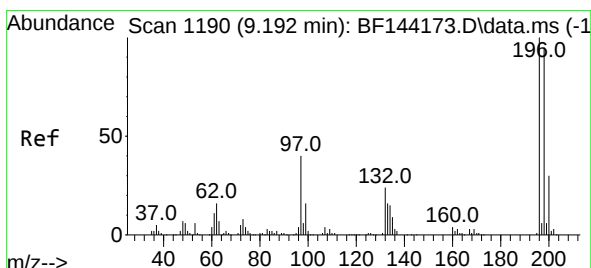
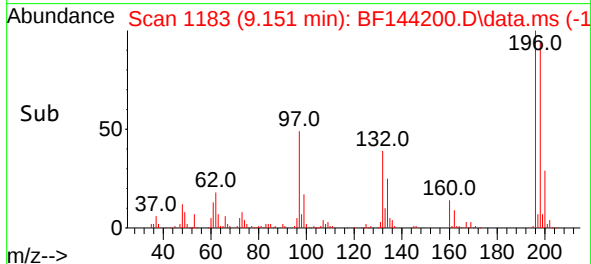
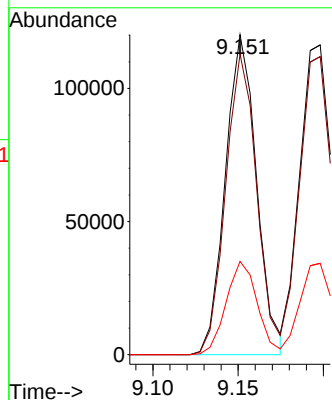
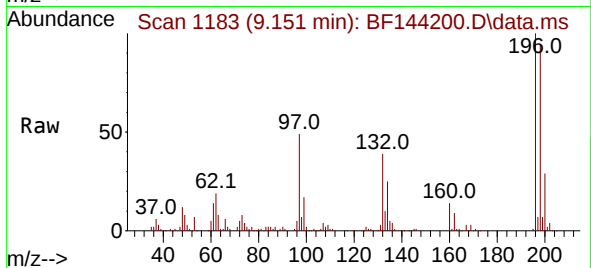
Tgt Ion:196 Resp: 153139

Ion Ratio Lower Upper

196 100

198 94.0 75.3 112.9

200 29.2 23.4 35.2



#44

2,4,5-Trichlorophenol

Concen: 41.540 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Tgt Ion:196 Resp: 159933

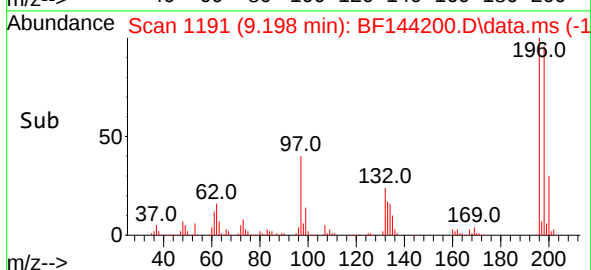
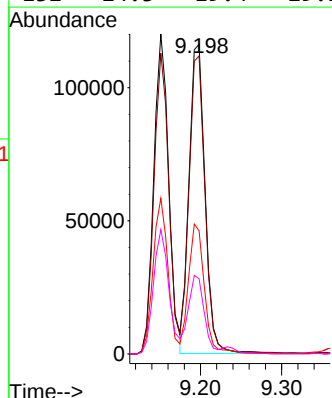
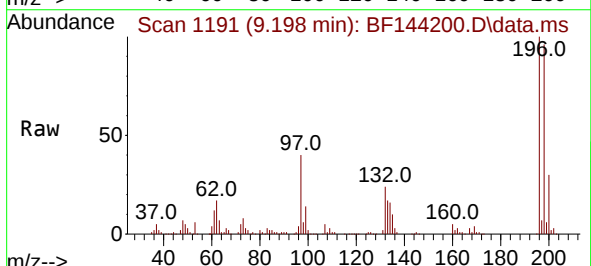
Ion Ratio Lower Upper

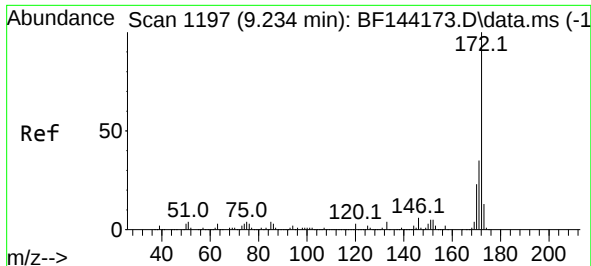
196 100

198 96.3 76.1 114.1

97 39.8 31.9 47.9

132 24.3 19.4 29.2





#45

2-Fluorobiphenyl

Concen: 78.987 ng

RT: 9.233 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Instrument :

BNA_F

ClientSampleId :

PB170478BS

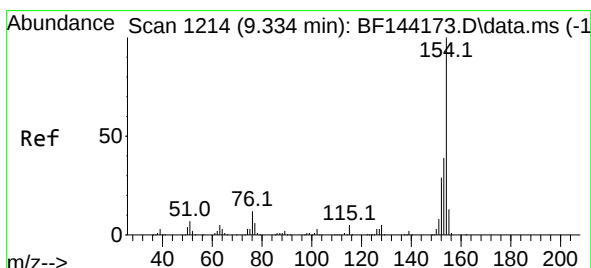
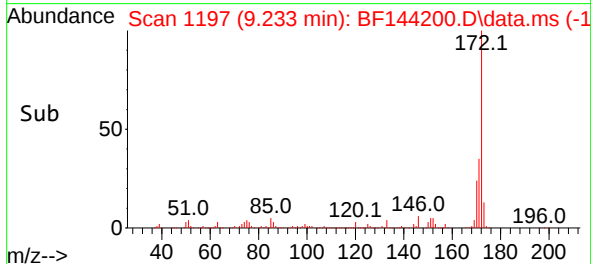
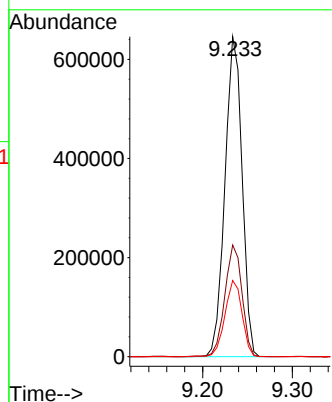
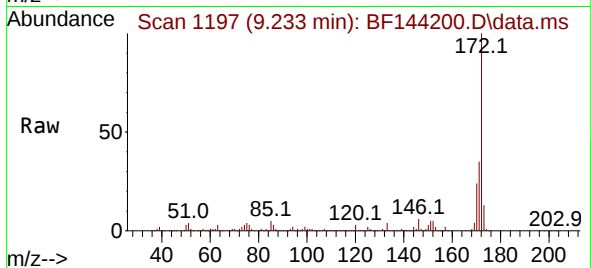
Tgt Ion:172 Resp: 856486

Ion Ratio Lower Upper

172 100

171 34.9 28.1 42.1

170 23.8 18.6 28.0



#46

1,1'-Biphenyl

Concen: 46.918 ng

RT: 9.339 min Scan# 1215

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

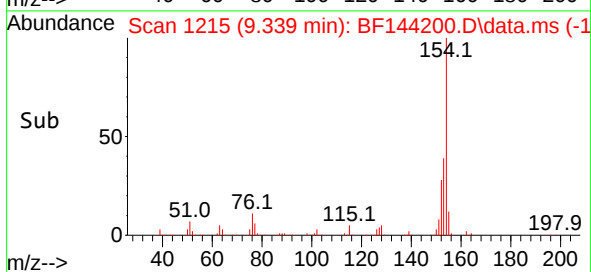
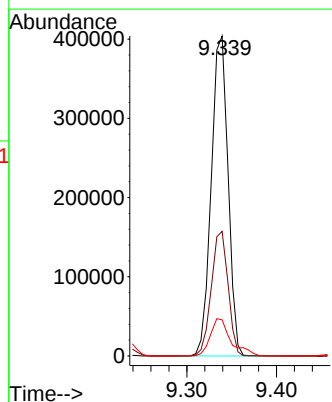
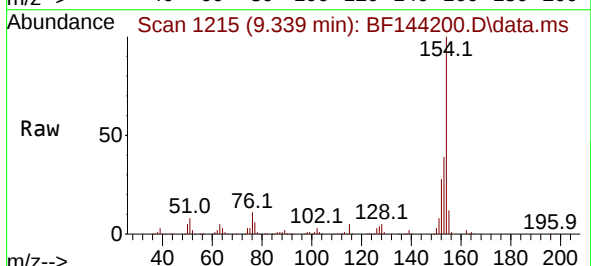
Tgt Ion:154 Resp: 524494

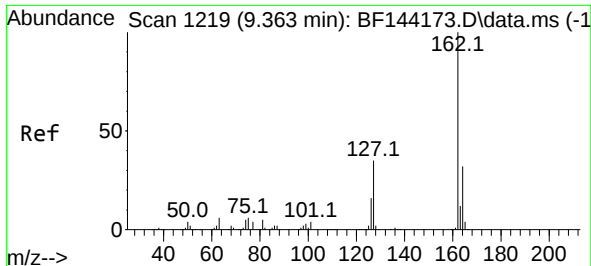
Ion Ratio Lower Upper

154 100

153 39.0 19.2 59.2

76 11.3 0.0 31.8

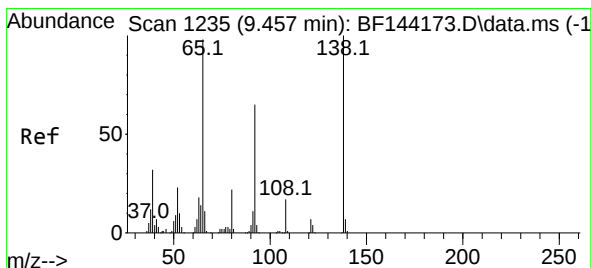
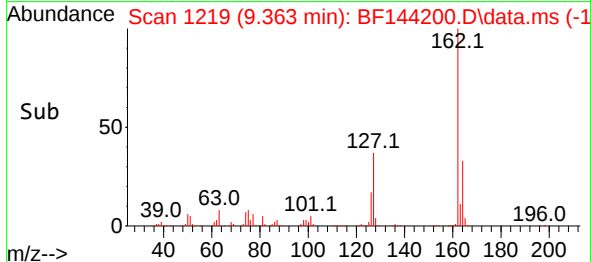
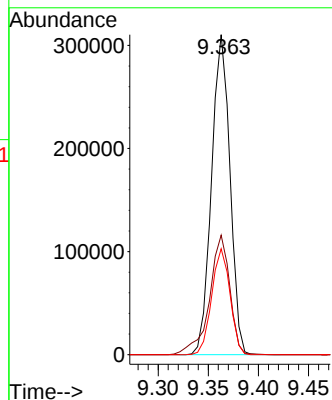
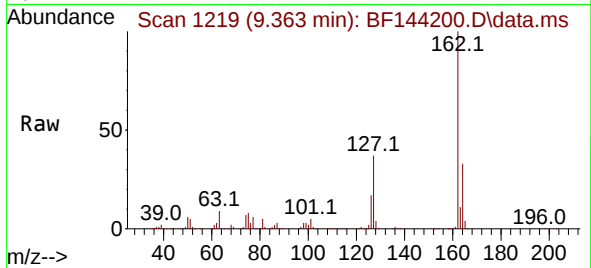




#47
2-Chloronaphthalene
Concen: 41.599 ng
RT: 9.363 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

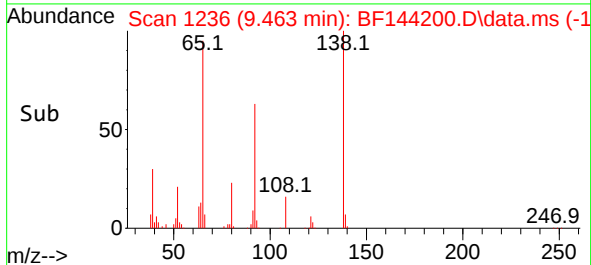
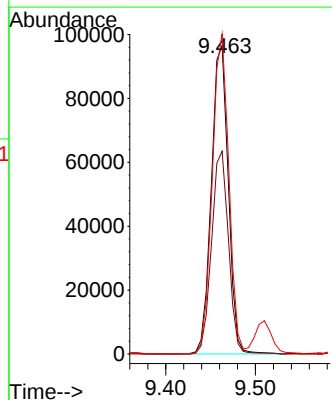
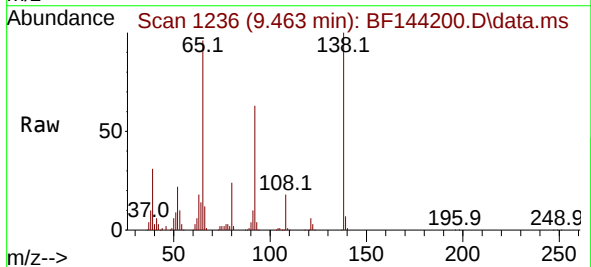
Instrument :
BNA_F
ClientSampleId :
PB170478BS

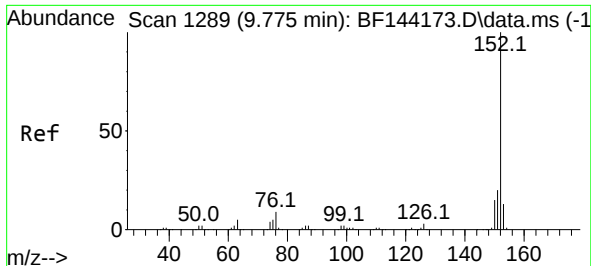
Tgt Ion:162 Resp: 396675
Ion Ratio Lower Upper
162 100
127 37.3 28.8 43.2
164 33.1 25.8 38.8



#48
2-Nitroaniline
Concen: 45.972 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion: 65 Resp: 126485
Ion Ratio Lower Upper
65 100
92 65.8 53.0 79.6
138 103.8 81.6 122.4





#49

Acenaphthylene

Concen: 48.466 ng

RT: 9.780 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Instrument :

BNA_F

ClientSampleId :

PB170478BS

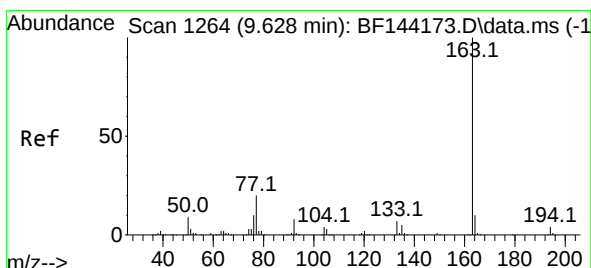
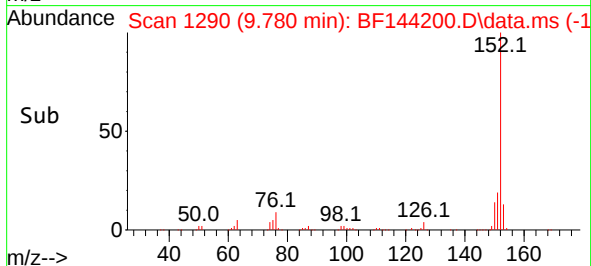
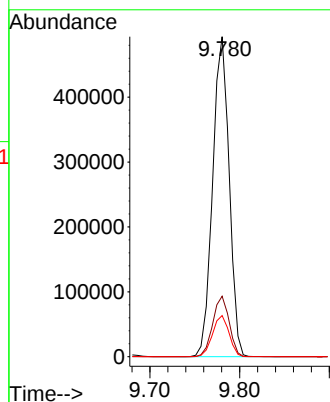
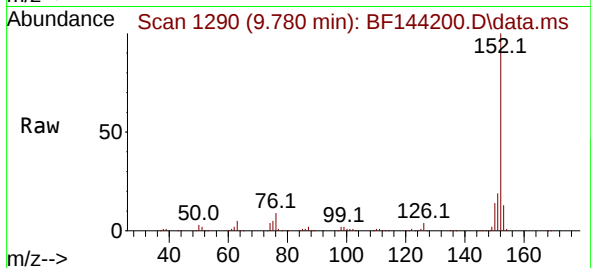
Tgt Ion:152 Resp: 629798

Ion Ratio Lower Upper

152 100

151 18.9 15.9 23.9

153 12.8 10.5 15.7



#50

Dimethylphthalate

Concen: 44.761 ng

RT: 9.639 min Scan# 1266

Delta R.T. 0.012 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

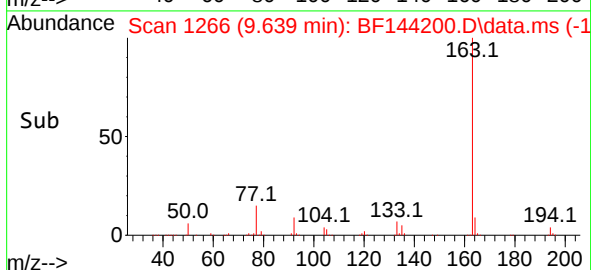
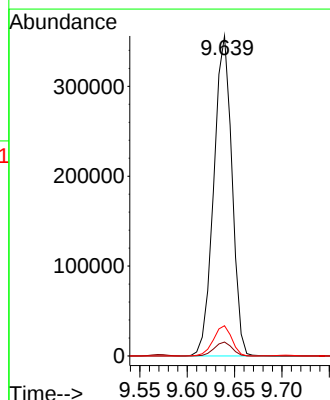
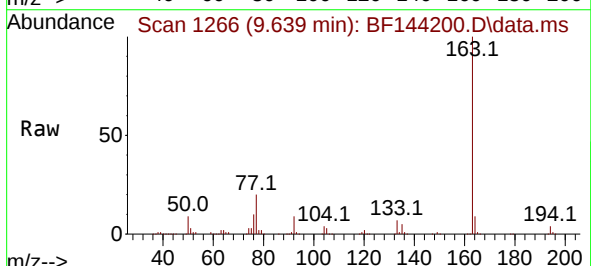
Tgt Ion:163 Resp: 474893

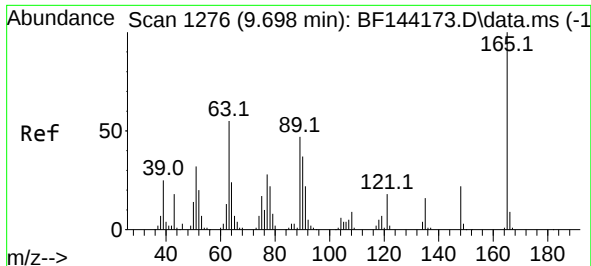
Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

164 9.5 8.1 12.1

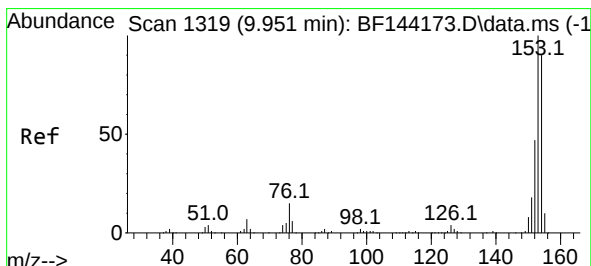
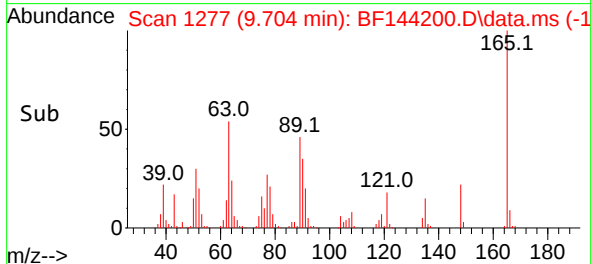
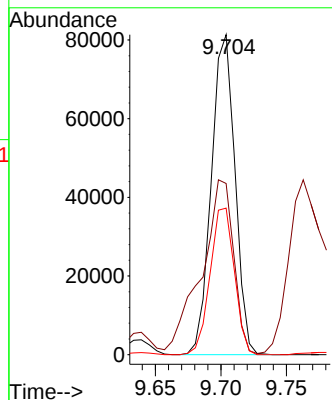
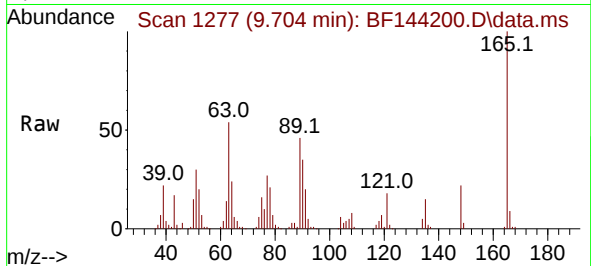




#51
2,6-Dinitrotoluene
Concen: 47.505 ng
RT: 9.704 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

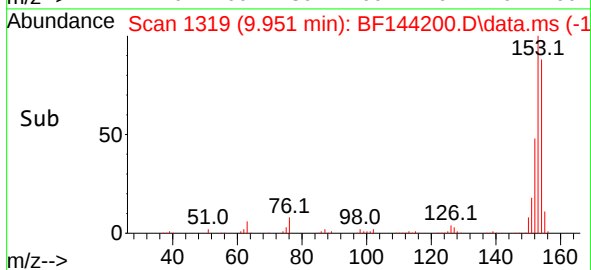
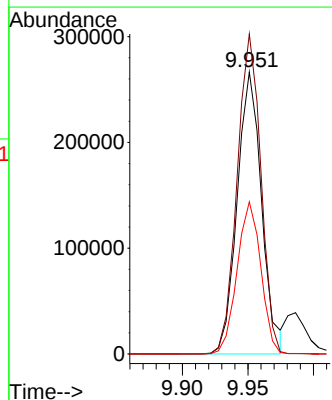
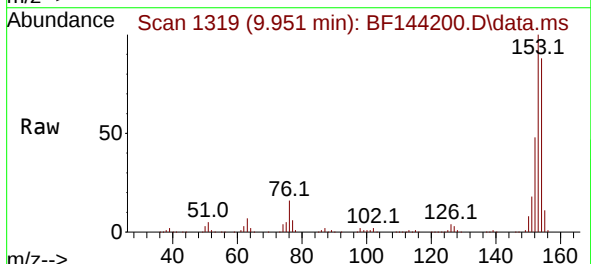
Instrument :
BNA_F
ClientSampleId :
PB170478BS

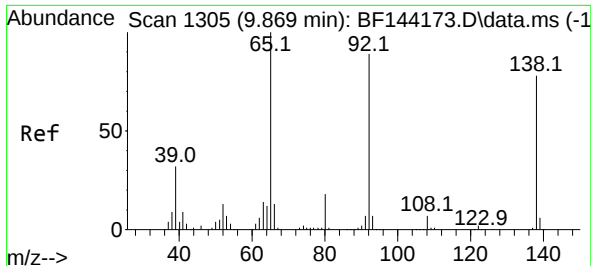
Tgt Ion:165 Resp: 102027
Ion Ratio Lower Upper
165 100
63 53.5 43.8 65.8
89 45.8 37.5 56.3



#52
Acenaphthene
Concen: 39.767 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:154 Resp: 345560
Ion Ratio Lower Upper
154 100
153 113.5 89.0 133.4
152 54.0 42.2 63.4

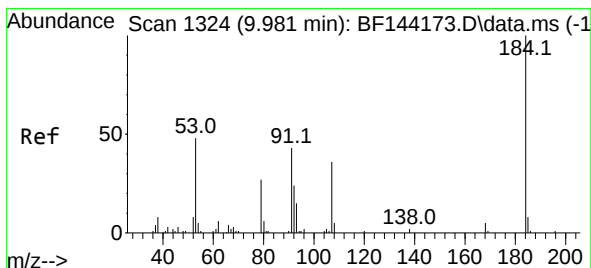
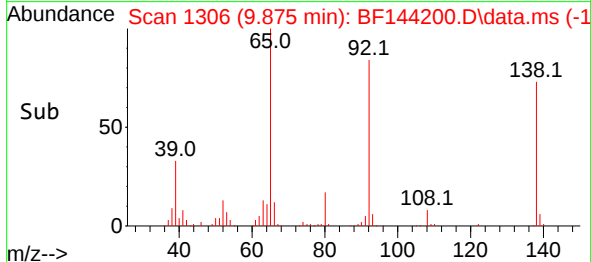
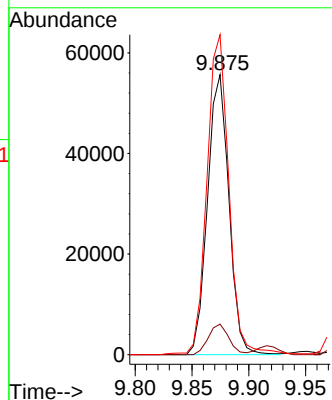
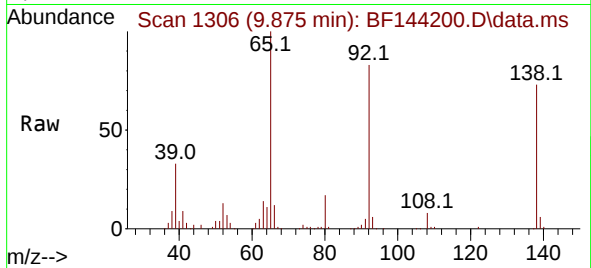




#53
3-Nitroaniline
Concen: 31.087 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

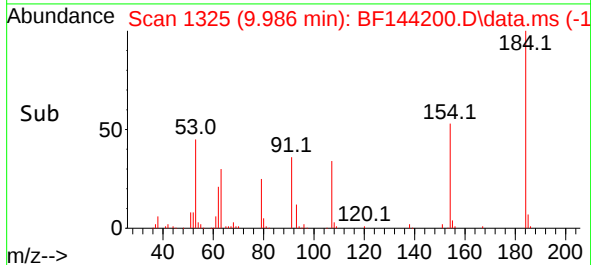
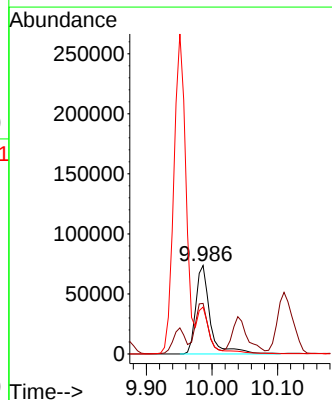
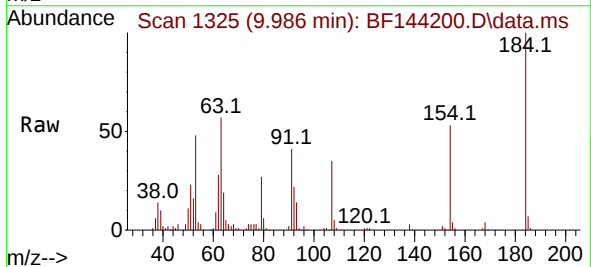
Instrument :
BNA_F
ClientSampleId :
PB170478BS

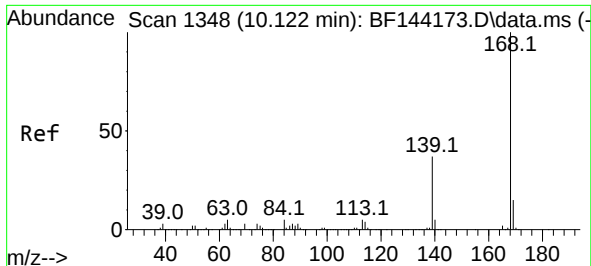
Tgt Ion:138 Resp: 72985
Ion Ratio Lower Upper
138 100
108 10.9 7.5 11.3
92 114.3 91.8 137.6



#54
2,4-Dinitrophenol
Concen: 86.597 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:184 Resp: 112309
Ion Ratio Lower Upper
184 100
63 57.2 44.0 66.0
154 53.1 42.4 63.6

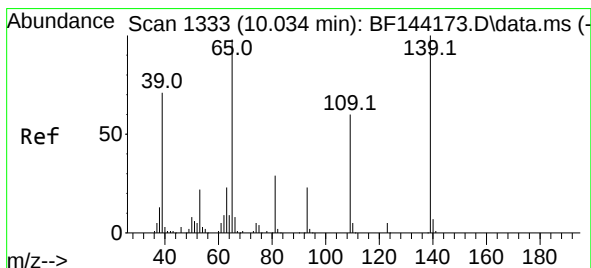
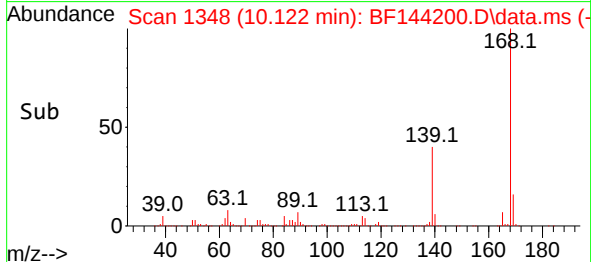
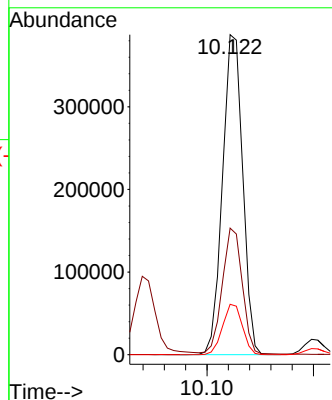
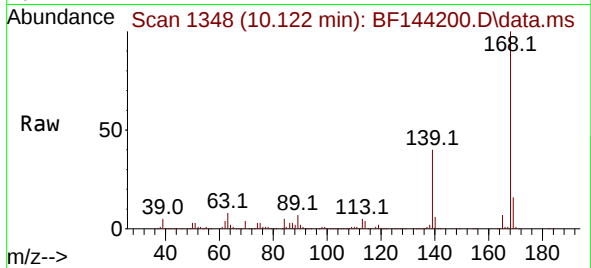




#55
Dibenzofuran
Concen: 41.842 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

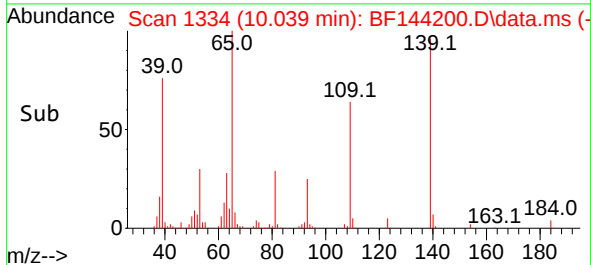
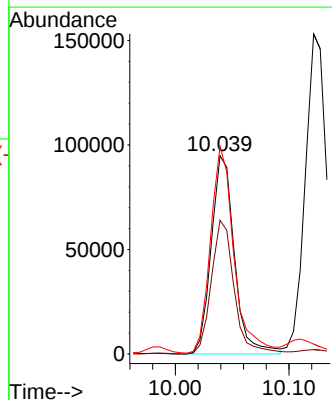
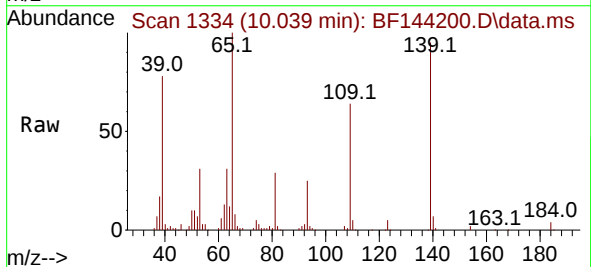
Instrument :
BNA_F
ClientSampleId :
PB170478BS

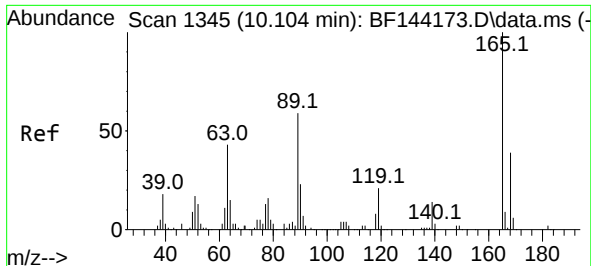
Tgt Ion:168 Resp: 509223
Ion Ratio Lower Upper
168 100
139 39.5 30.2 45.2
169 15.7 12.2 18.4



#56
4-Nitrophenol
Concen: 79.237 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

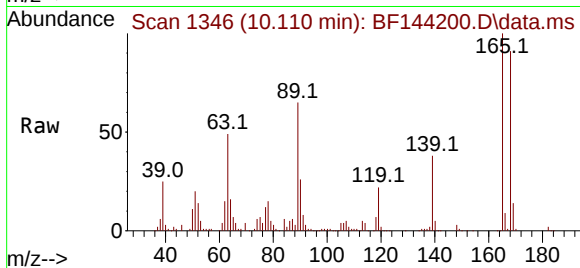
Tgt Ion:139 Resp: 134569
Ion Ratio Lower Upper
139 100
109 67.4 39.9 79.9
65 104.7 79.5 119.5



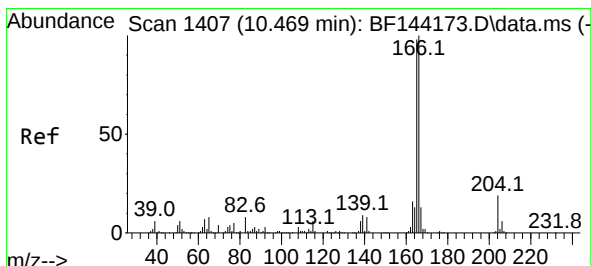
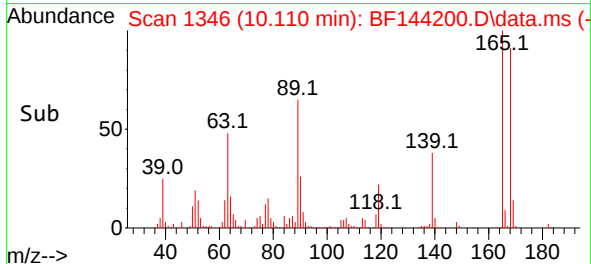
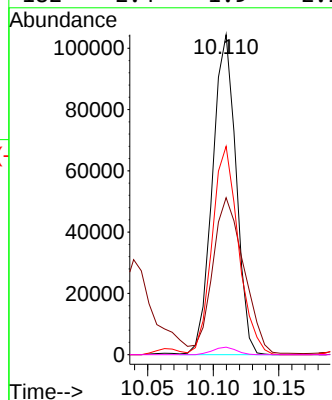


#57
2,4-Dinitrotoluene
Concen: 45.475 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.012 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Instrument :
BNA_F
ClientSampleId :
PB170478BS

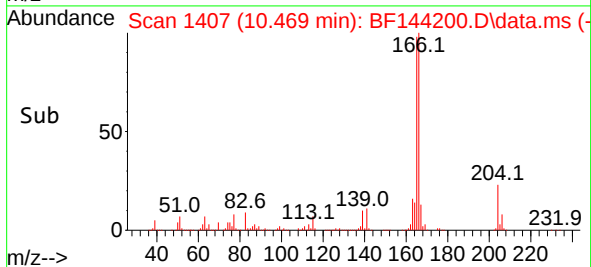
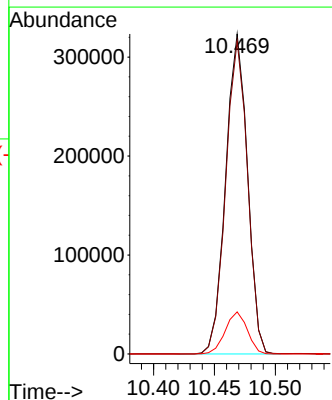
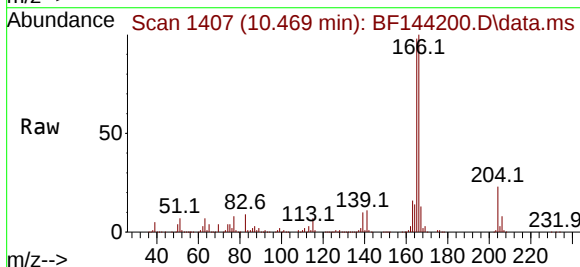


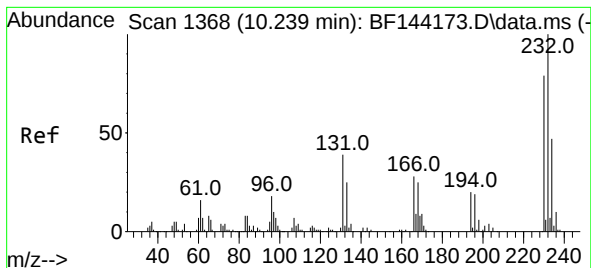
Tgt Ion:165 Resp: 130747
Ion Ratio Lower Upper
165 100
63 49.1 35.5 53.3
89 65.1 47.4 71.2
182 2.4 1.9 2.9



#58
Fluorene
Concen: 43.554 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:166 Resp: 403013
Ion Ratio Lower Upper
166 100
165 97.8 78.6 118.0
167 13.1 10.4 15.6

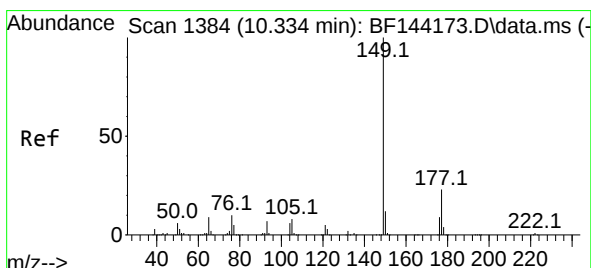
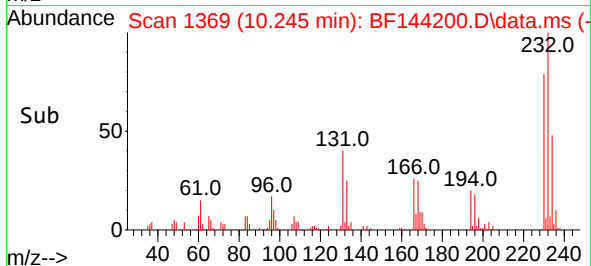
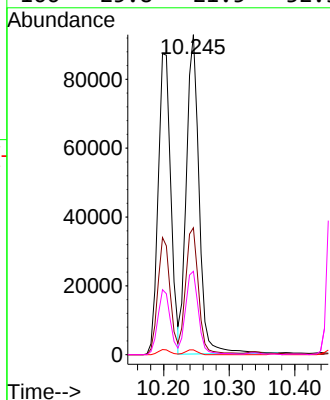
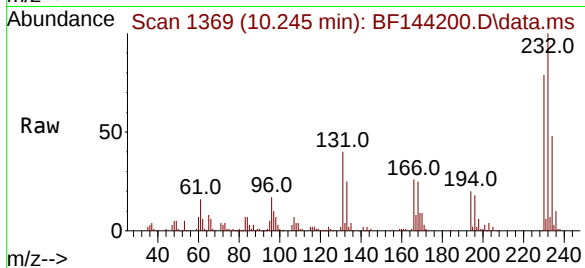




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.811 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

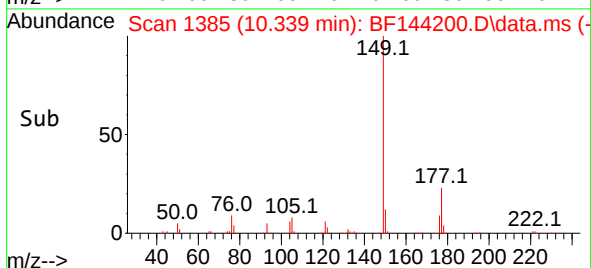
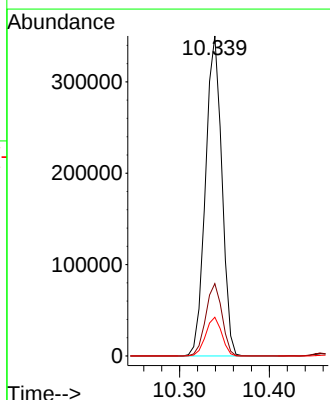
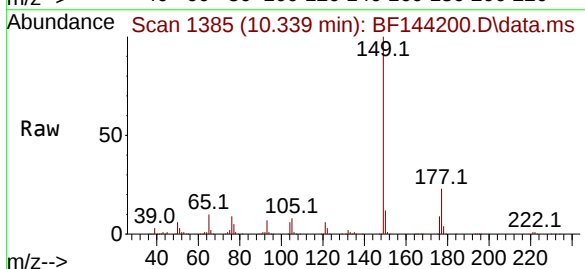
Instrument :
BNA_F
ClientSampleId :
PB170478BS

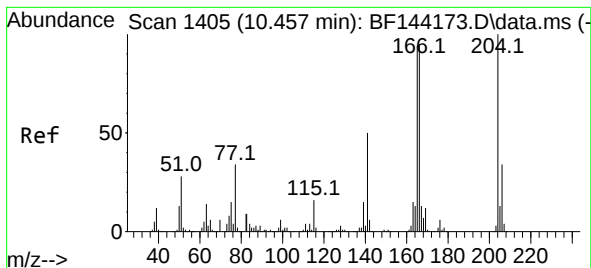
Tgt Ion:232 Resp: 124788
Ion Ratio Lower Upper
232 100
131 40.5 30.3 45.5
130 1.5 1.2 1.8
166 25.8 21.5 32.3



#60
Diethylphthalate
Concen: 45.276 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.012 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:149 Resp: 442821
Ion Ratio Lower Upper
149 100
177 22.6 18.3 27.5
150 12.1 9.8 14.6

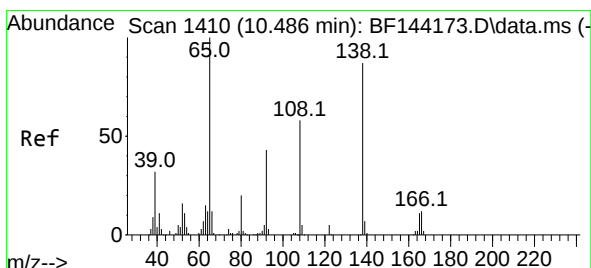
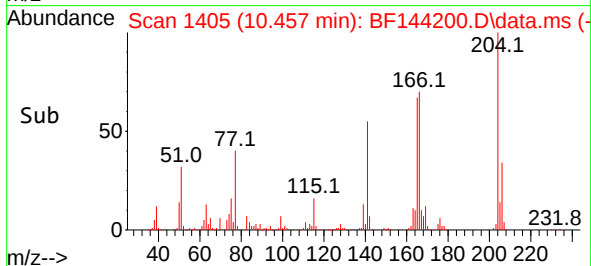
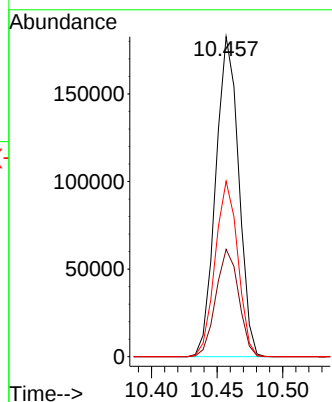
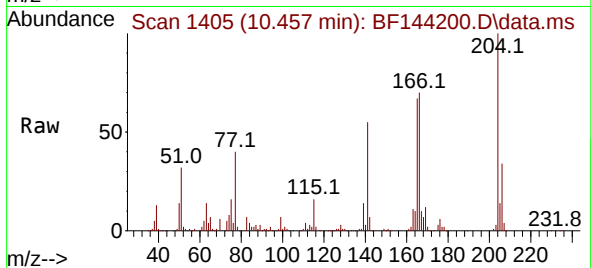




#61
4-Chlorophenyl-phenylether
Concen: 42.162 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

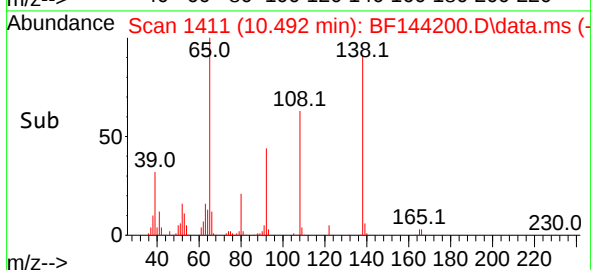
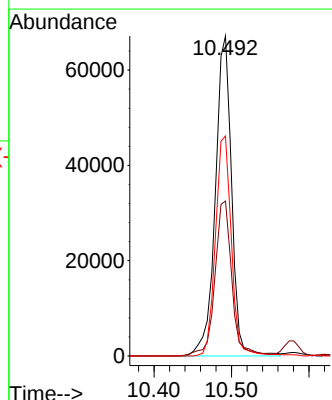
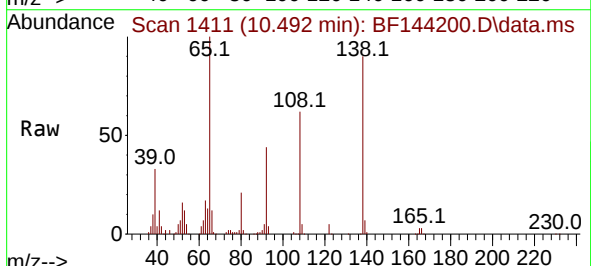
Instrument :
BNA_F
ClientSampleId :
PB170478BS

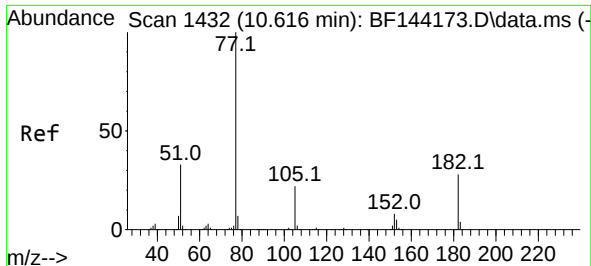
Tgt Ion:204 Resp: 222229
Ion Ratio Lower Upper
204 100
206 33.5 27.4 41.2
141 54.9 40.0 60.0



#62
4-Nitroaniline
Concen: 43.851 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.017 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:138 Resp: 98043
Ion Ratio Lower Upper
138 100
92 48.4 29.4 69.4
108 68.8 46.4 86.4

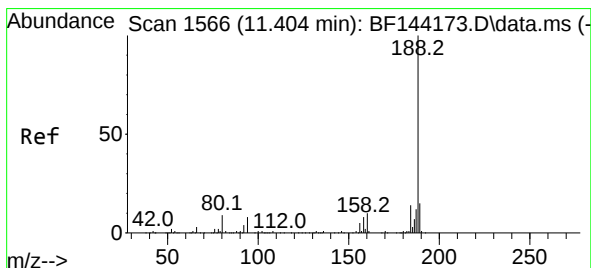
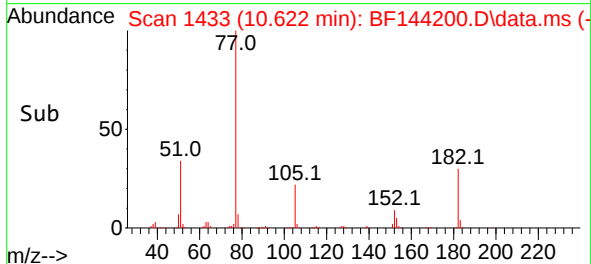
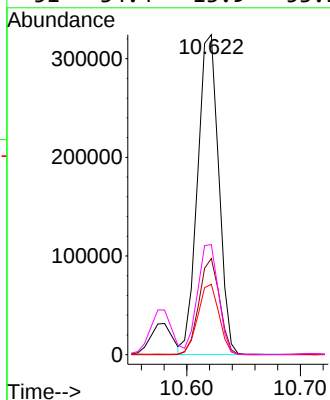
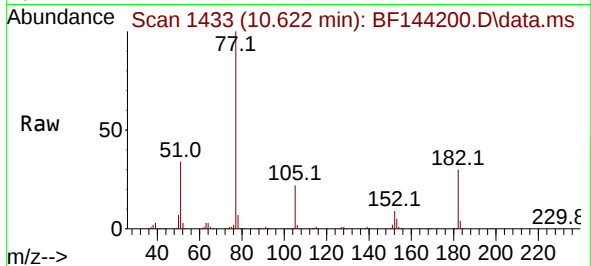




#63
Azobenzene
Concen: 46.050 ng
RT: 10.622 min Scan# 1432
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

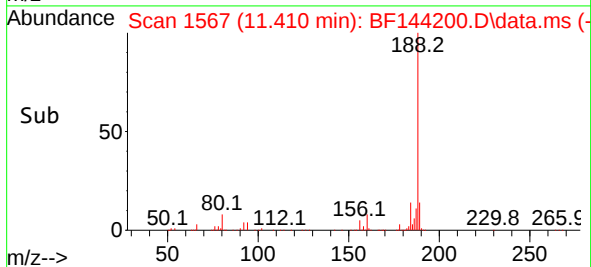
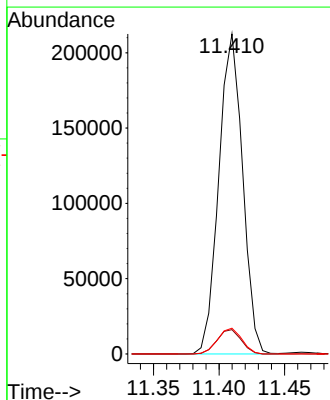
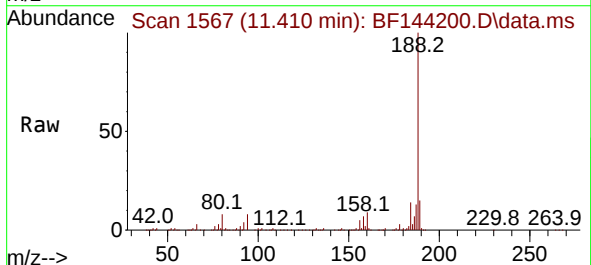
Instrument :
BNA_F
ClientSampleId :
PB170478BS

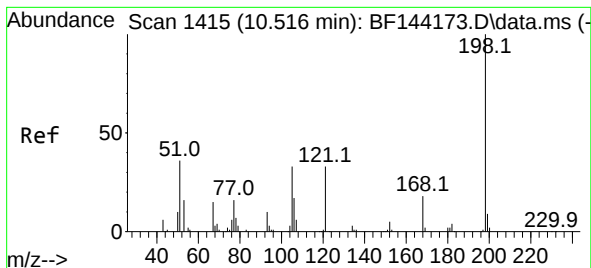
Tgt Ion:	77	Resp:	419160
Ion	Ratio	Lower	Upper
77	100		
182	30.0	8.1	48.1
105	22.0	2.0	42.0
51	34.4	13.9	53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:	188	Resp:	268017
Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.2	9.2
80	8.0	6.9	10.3

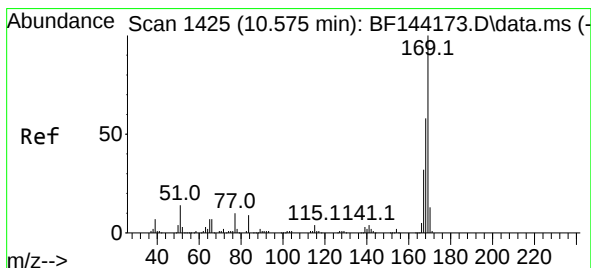
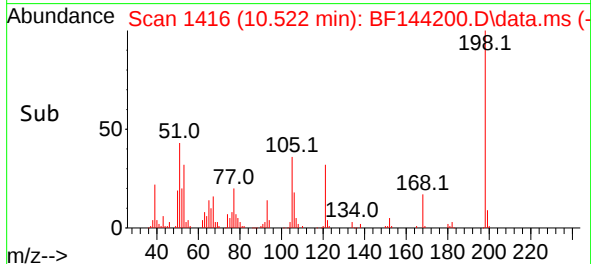
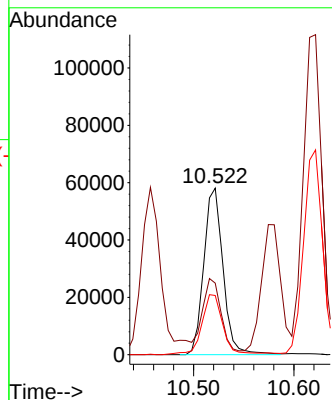
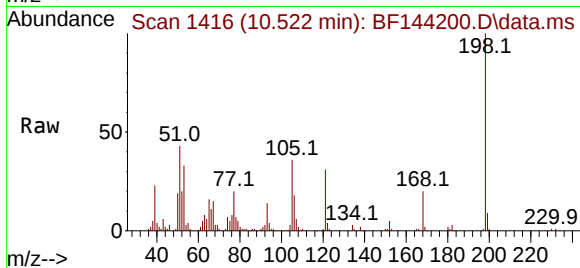




#65
4,6-Dinitro-2-methylphenol
Concen: 42.753 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

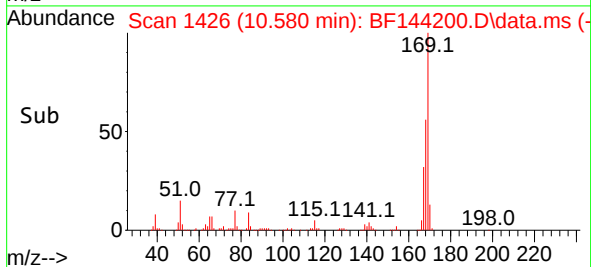
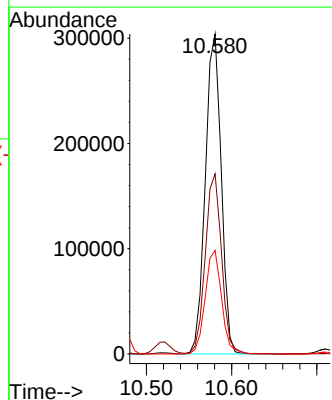
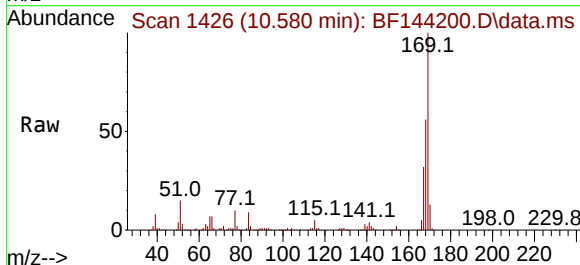
Instrument :
BNA_F
ClientSampleId :
PB170478BS

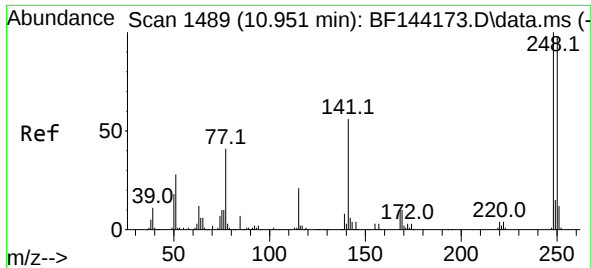
Tgt Ion:198 Resp: 77843
Ion Ratio Lower Upper
198 100
51 43.0 25.6 65.6
105 35.5 14.6 54.6



#66
n-Nitrosodiphenylamine
Concen: 45.741 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:169 Resp: 394291
Ion Ratio Lower Upper
169 100
168 56.3 46.2 69.2
167 32.3 25.7 38.5

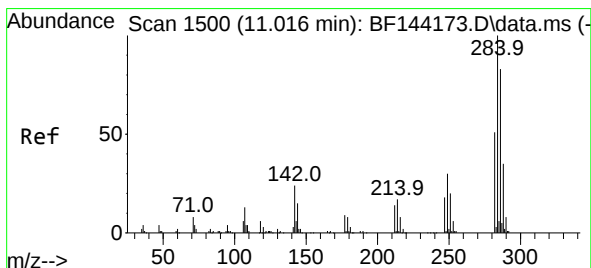
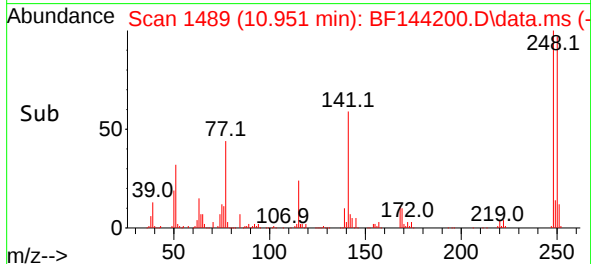
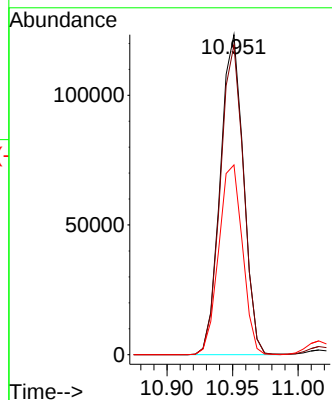
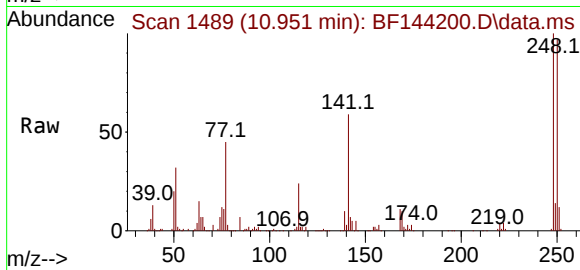




#67
4-Bromophenyl-phenylether
Concen: 44.288 ng
RT: 10.951 min Scan# 1489
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

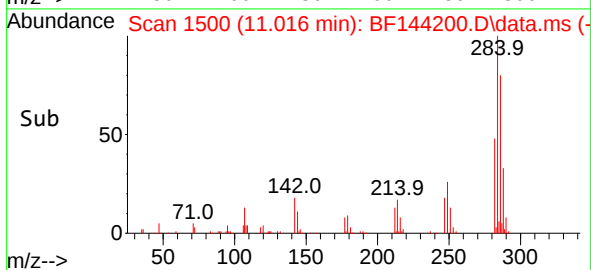
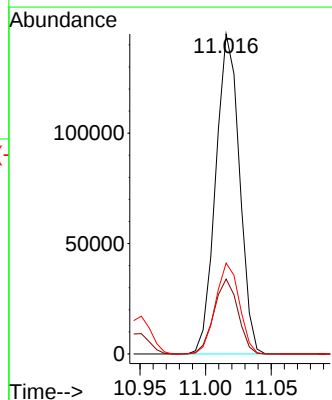
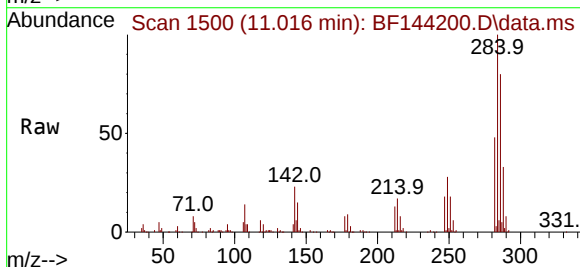
Instrument :
BNA_F
ClientSampleId :
PB170478BS

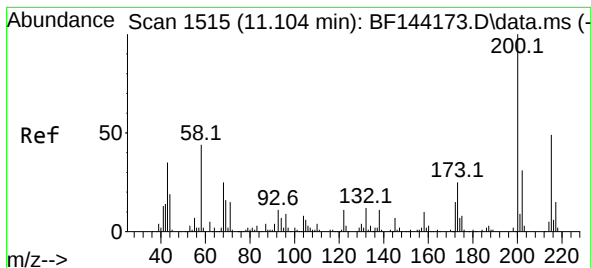
Tgt Ion:248 Resp: 151509
Ion Ratio Lower Upper
248 100
250 96.8 78.4 117.6
141 59.3 45.1 67.7



#68
Hexachlorobenzene
Concen: 45.310 ng
RT: 11.016 min Scan# 1500
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:284 Resp: 182575
Ion Ratio Lower Upper
284 100
142 23.4 19.2 28.8
249 28.4 23.8 35.8





#69

Atrazine

Concen: 47.271 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Instrument :

BNA_F

ClientSampleId :

PB170478BS

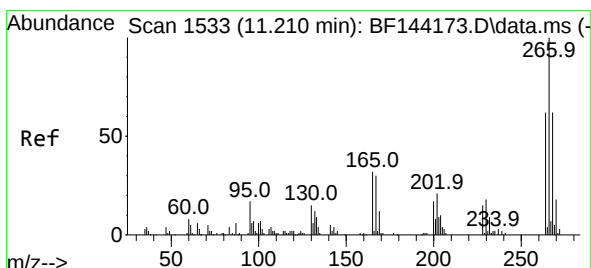
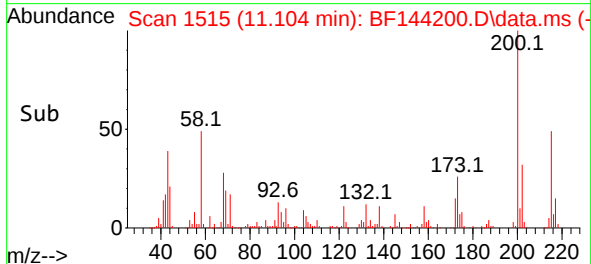
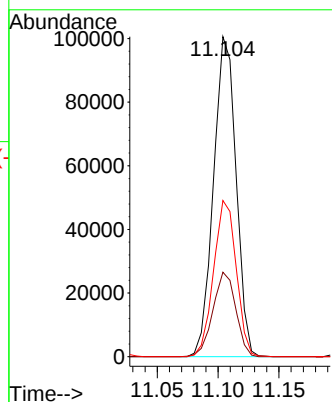
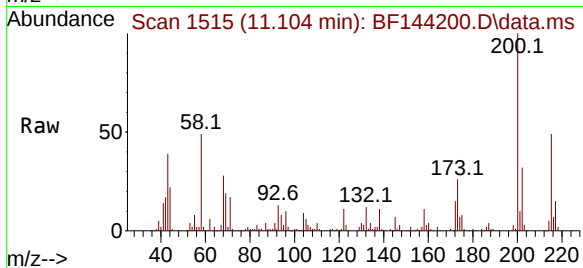
Tgt Ion:200 Resp: 129589

Ion Ratio Lower Upper

200 100

173 26.4 5.0 45.0

215 48.8 28.7 68.7



#70

Pentachlorophenol

Concen: 93.963 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

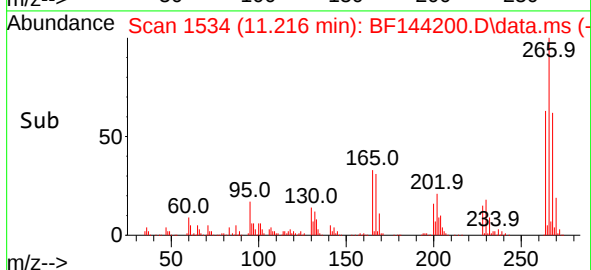
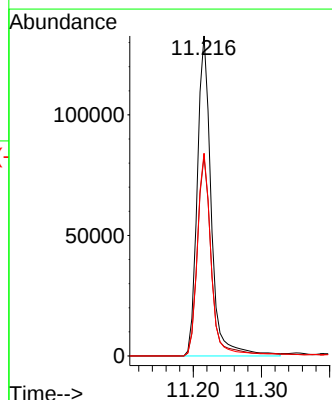
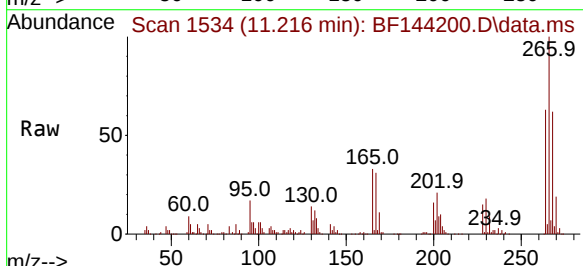
Tgt Ion:266 Resp: 188539

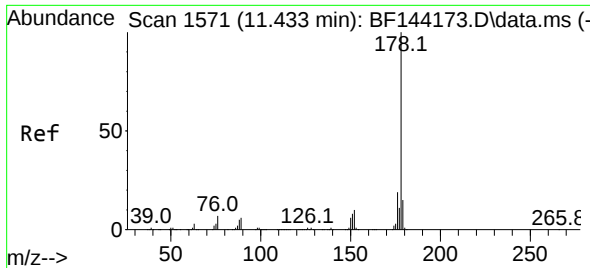
Ion Ratio Lower Upper

266 100

268 62.4 49.5 74.3

264 63.4 49.4 74.2

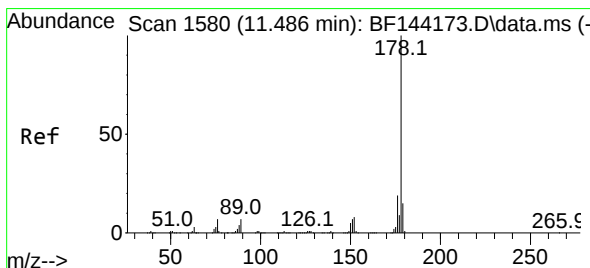
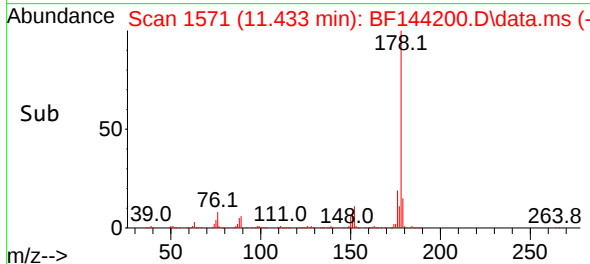
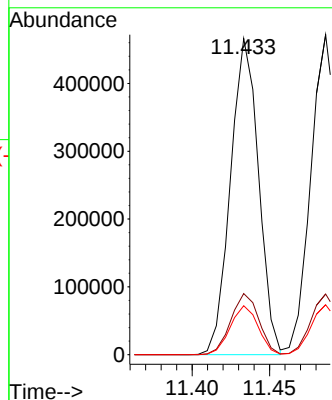
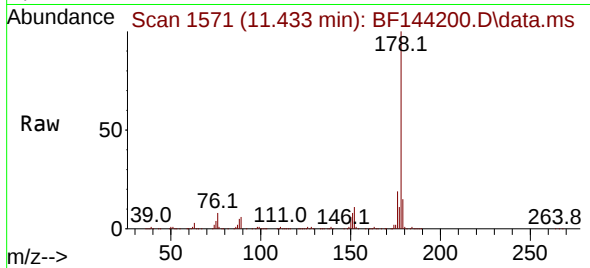




#71
Phenanthrene
Concen: 44.051 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

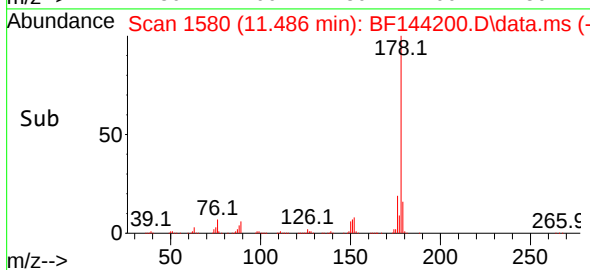
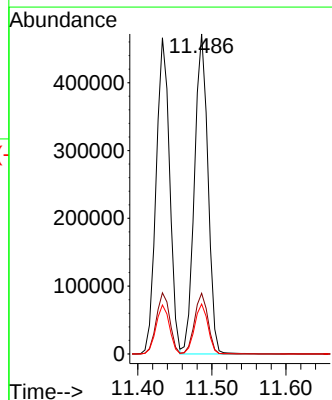
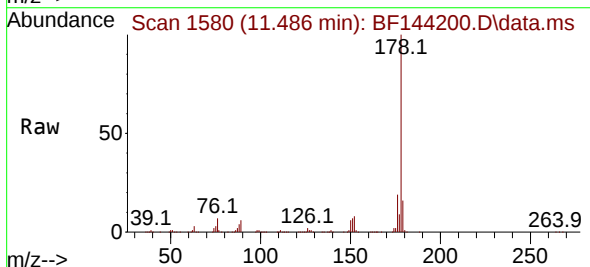
Instrument :
BNA_F
ClientSampleId :
PB170478BS

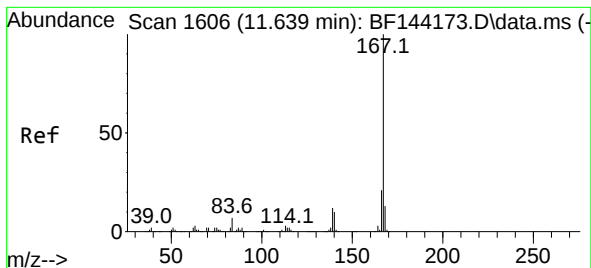
Tgt Ion:178 Resp: 587824
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.5 12.2 18.4



#72
Anthracene
Concen: 43.787 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:178 Resp: 594138
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.6 12.0 18.0





#73

Carbazole

Concen: 43.764 ng

RT: 11.639 min Scan# 1606

Delta R.T. -0.000 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Instrument :

BNA_F

ClientSampleId :

PB170478BS

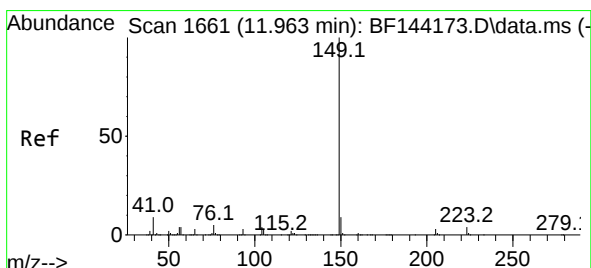
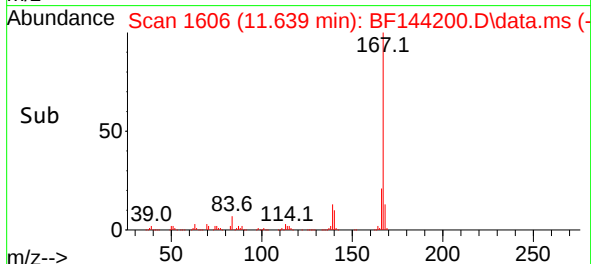
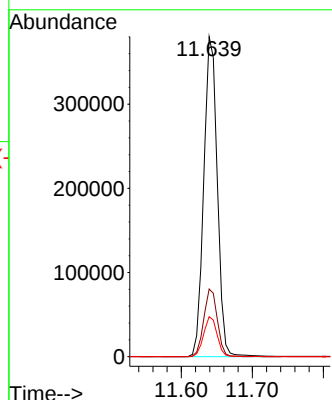
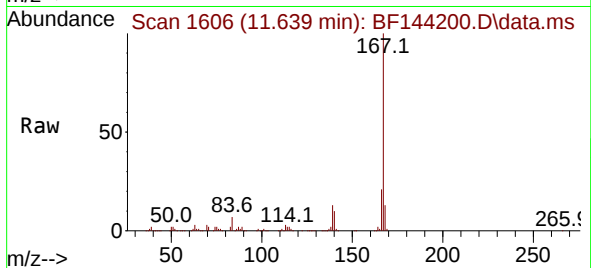
Tgt Ion:167 Resp: 504944

Ion Ratio Lower Upper

167 100

166 21.2 17.2 25.8

139 12.5 9.9 14.9



#74

Di-n-butylphthalate

Concen: 45.535 ng

RT: 11.969 min Scan# 1662

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

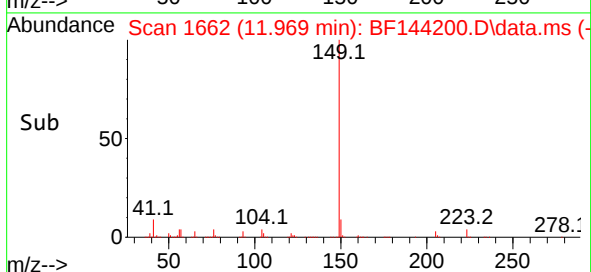
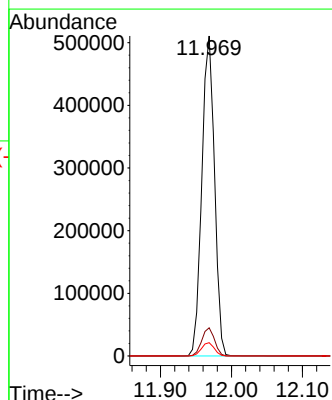
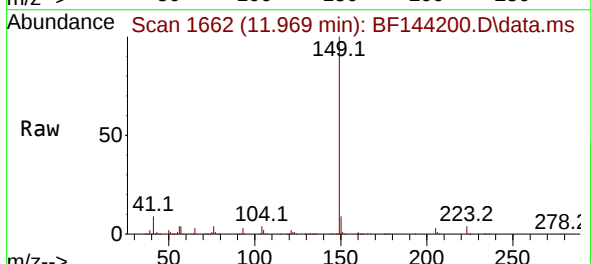
Tgt Ion:149 Resp: 635124

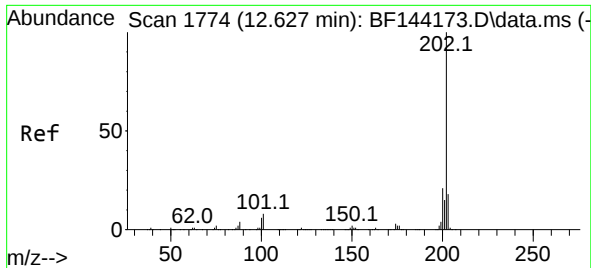
Ion Ratio Lower Upper

149 100

150 8.8 7.4 11.0

104 4.2 3.4 5.2

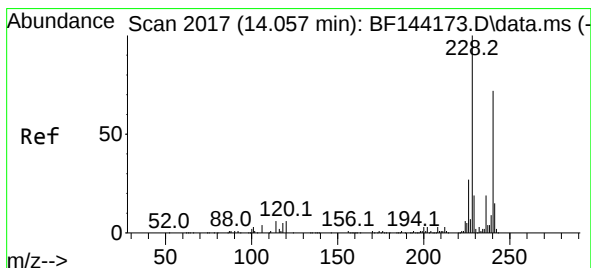
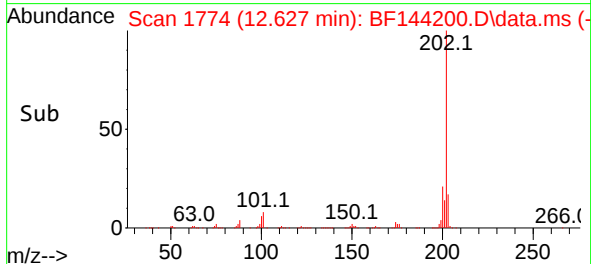
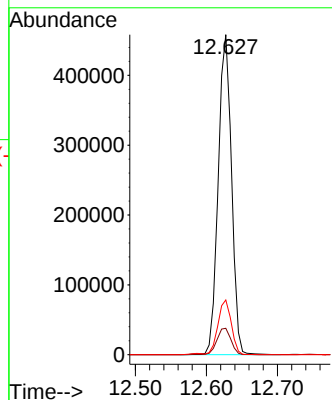
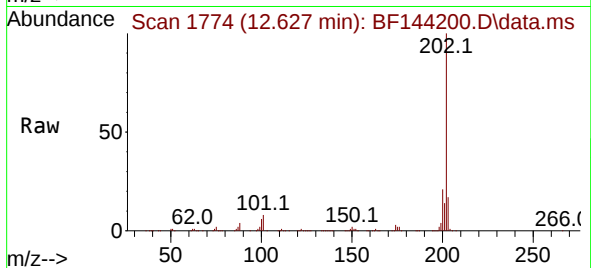




#75
Fluoranthene
Concen: 43.055 ng
RT: 12.627 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

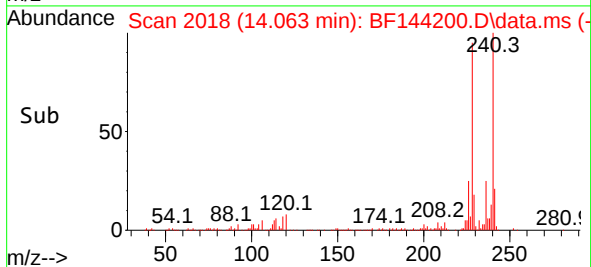
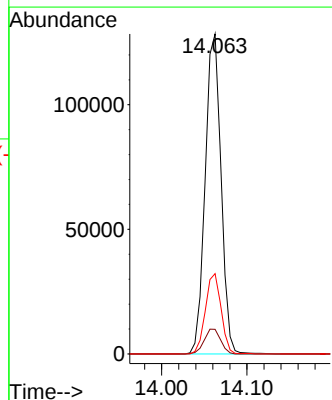
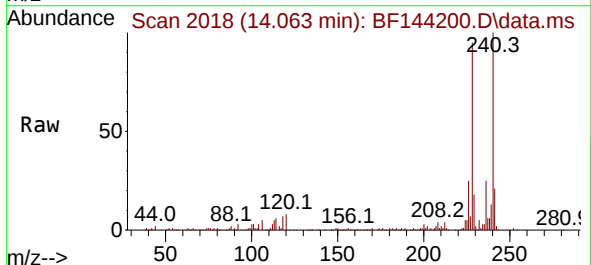
Instrument :
BNA_F
ClientSampleId :
PB170478BS

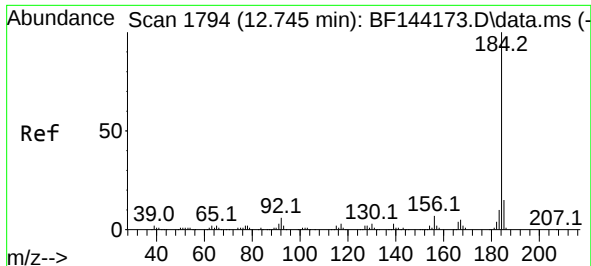
Tgt Ion:202 Resp: 593499
Ion Ratio Lower Upper
202 100
101 8.3 0.0 27.9
203 17.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.012 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:240 Resp: 166103
Ion Ratio Lower Upper
240 100
120 7.7 6.6 10.0
236 25.1 21.4 32.2

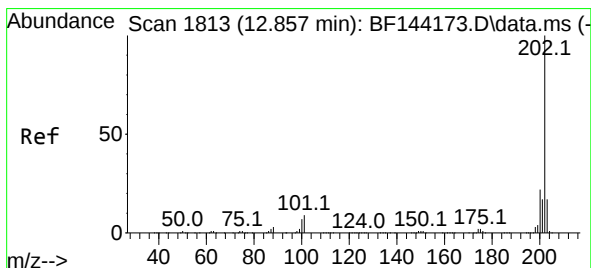
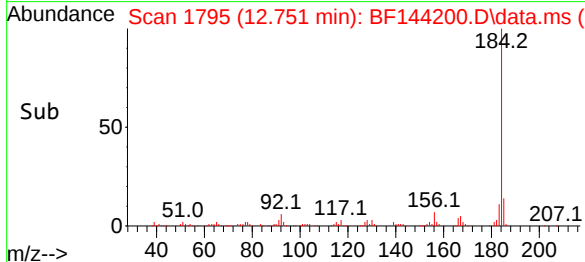
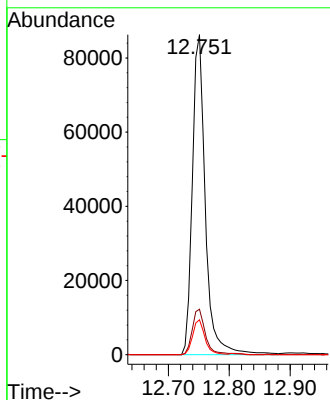
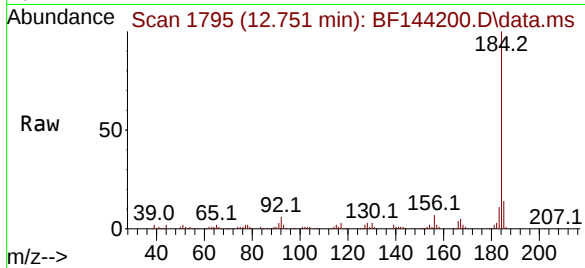




#77
Benzidine
Concen: 26.035 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

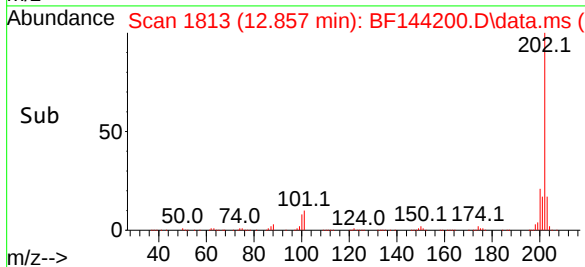
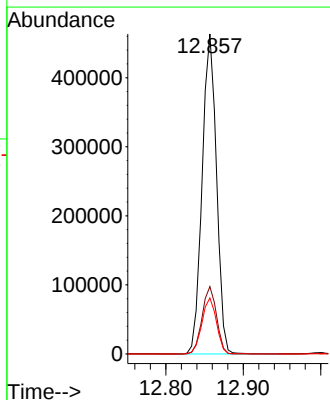
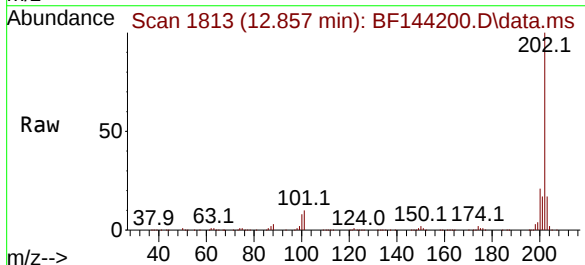
Instrument :
BNA_F
ClientSampleId :
PB170478BS

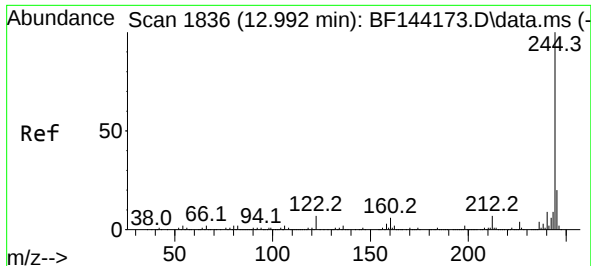
Tgt Ion:184 Resp: 127913
Ion Ratio Lower Upper
184 100
185 14.2 11.7 17.5
183 10.9 8.3 12.5



#78
Pyrene
Concen: 44.498 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:202 Resp: 595945
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 17.5 13.7 20.5

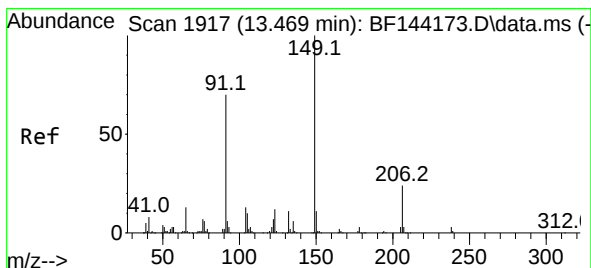
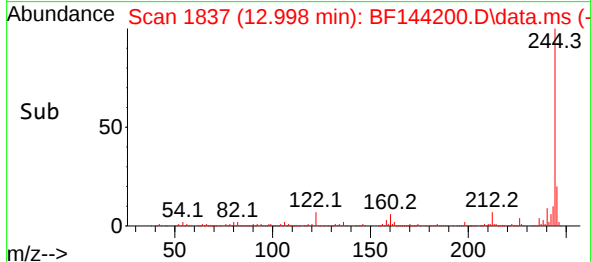
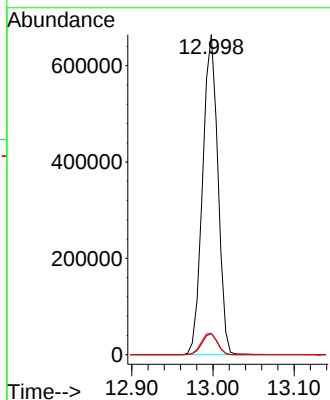
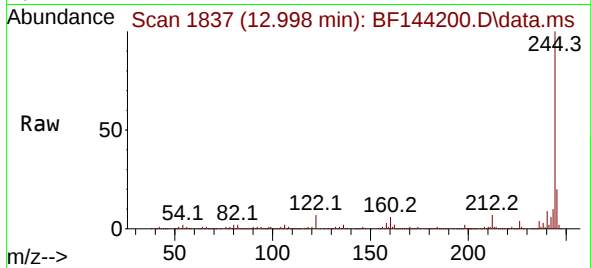




#79
 Terphenyl-d14
 Concen: 82.865 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF144200.D
 Acq: 11 Nov 2025 13:36

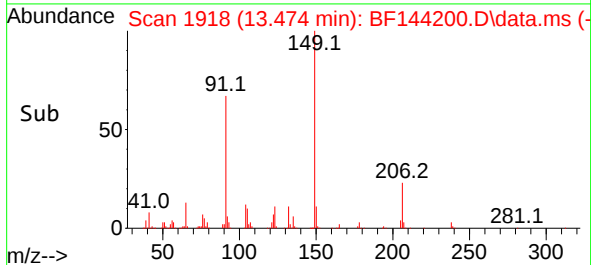
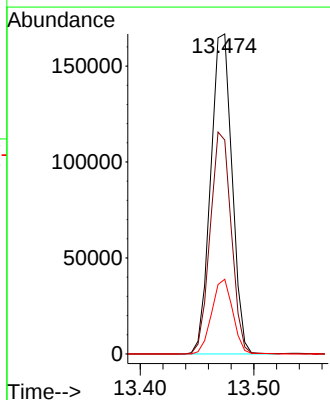
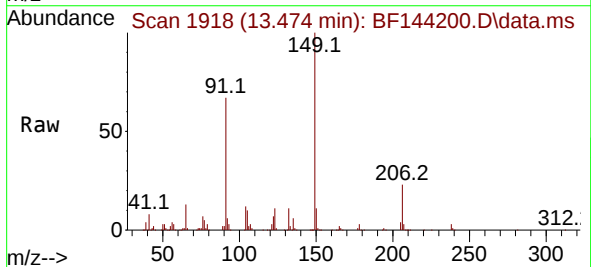
Instrument :
 BNA_F
 ClientSampleId :
 PB170478BS

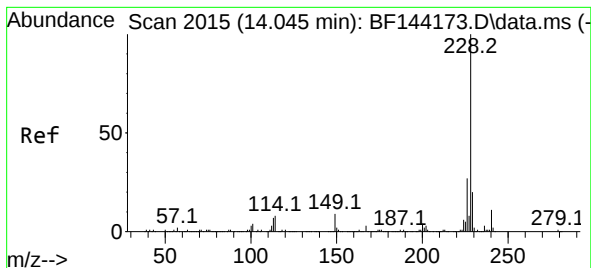
Tgt Ion:244 Resp: 866540
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 6.7 5.6 8.4



#80
 Butylbenzylphthalate
 Concen: 47.094 ng
 RT: 13.474 min Scan# 1918
 Delta R.T. 0.006 min
 Lab File: BF144200.D
 Acq: 11 Nov 2025 13:36

Tgt Ion:149 Resp: 218599
 Ion Ratio Lower Upper
 149 100
 91 66.9 56.1 84.1
 206 23.4 18.8 28.2





#81

Benzo(a)anthracene

Concen: 45.840 ng

RT: 14.051 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Instrument :

BNA_F

ClientSampleId :

PB170478BS

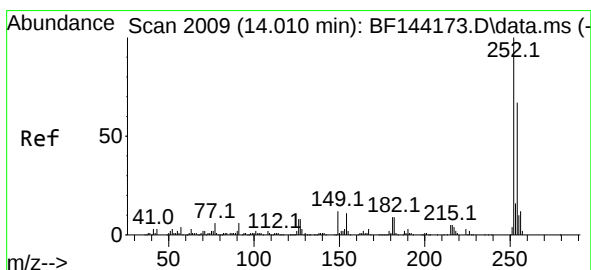
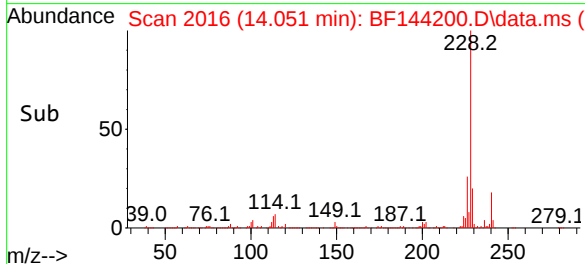
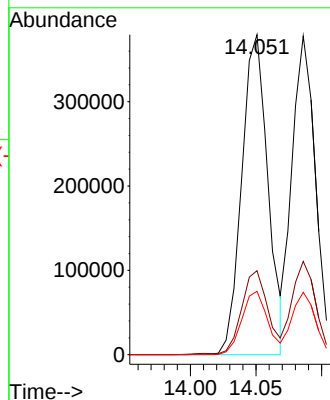
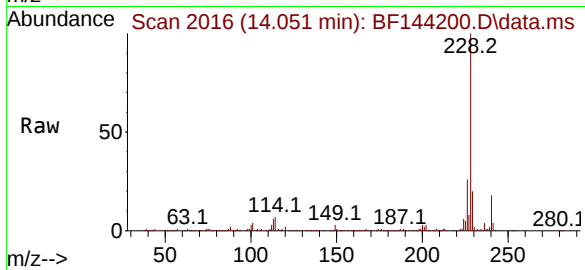
Tgt Ion:228 Resp: 527718

Ion Ratio Lower Upper

228 100

226 26.2 21.8 32.8

229 19.8 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 34.954 ng

RT: 14.010 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

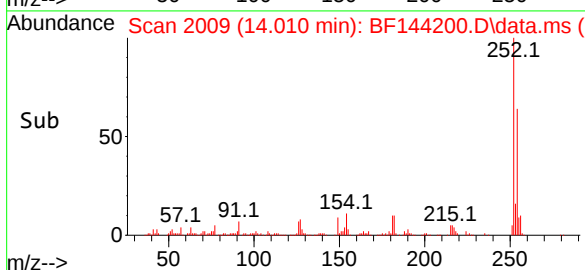
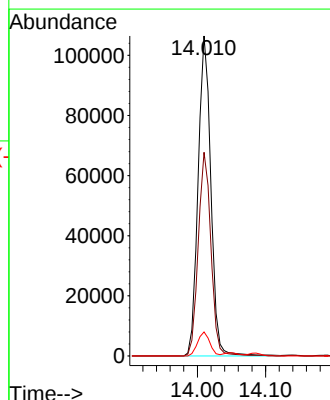
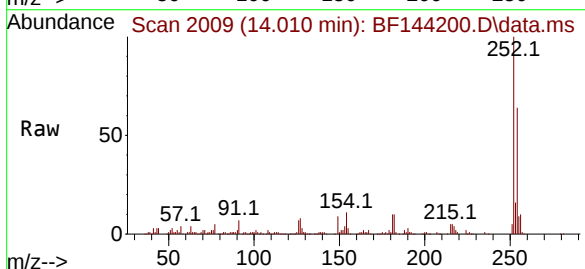
Tgt Ion:252 Resp: 137930

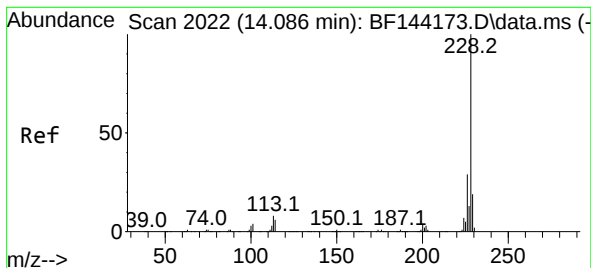
Ion Ratio Lower Upper

252 100

254 63.6 53.5 80.3

126 7.5 6.4 9.6





#83

Chrysene

Concen: 43.956 ng

RT: 14.086 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Instrument :

BNA_F

ClientSampleId :

PB170478BS

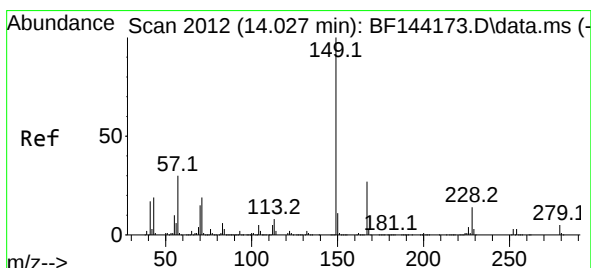
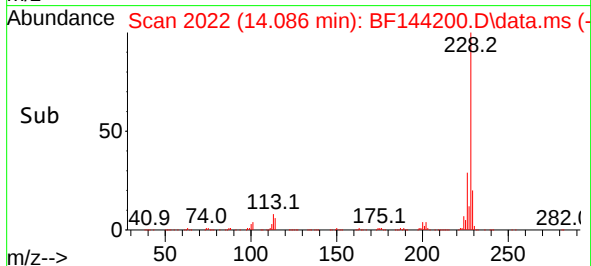
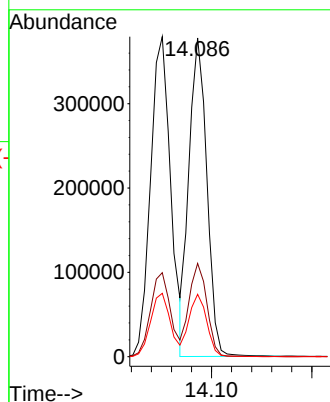
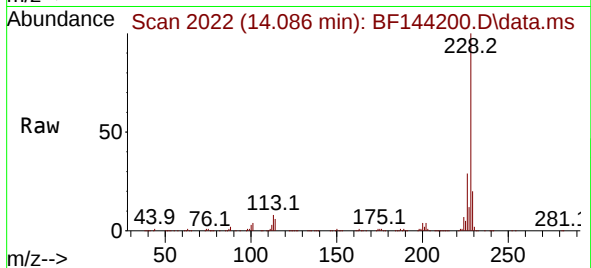
Tgt Ion:228 Resp: 467136

Ion Ratio Lower Upper

228 100

226 29.3 22.9 34.3

229 19.6 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.515 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

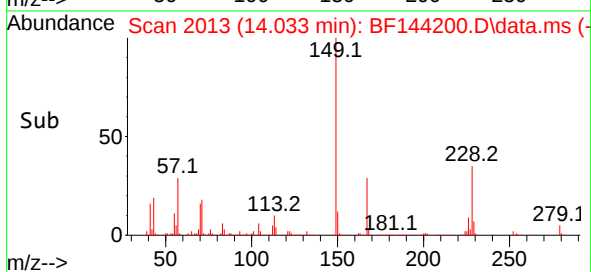
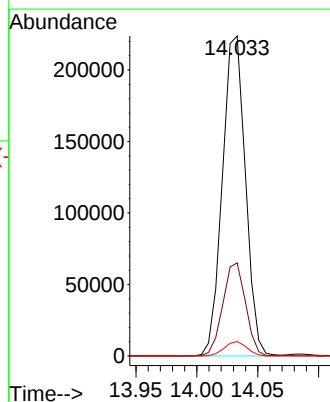
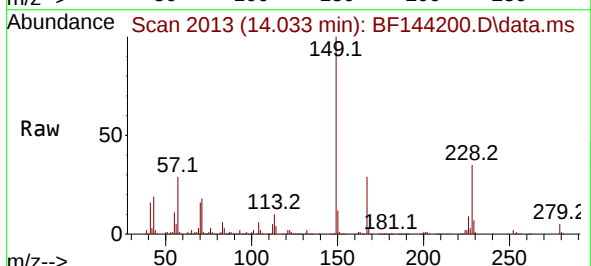
Tgt Ion:149 Resp: 295568

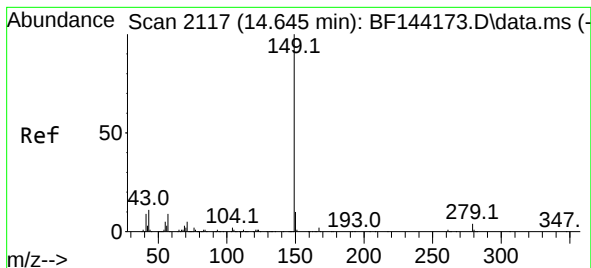
Ion Ratio Lower Upper

149 100

167 29.1 21.8 32.8

279 4.5 3.7 5.5

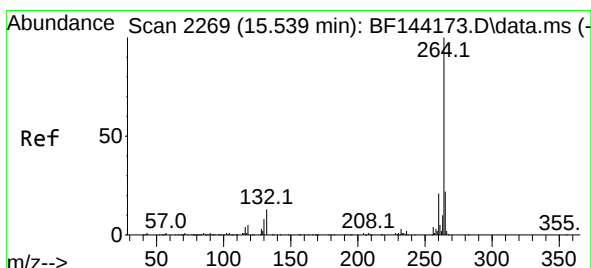
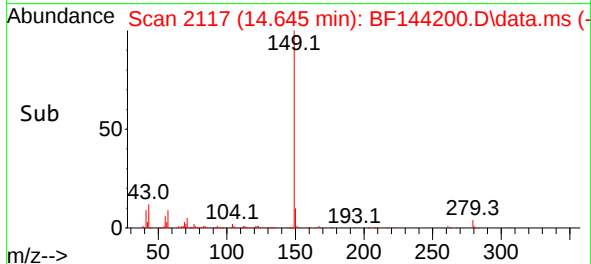
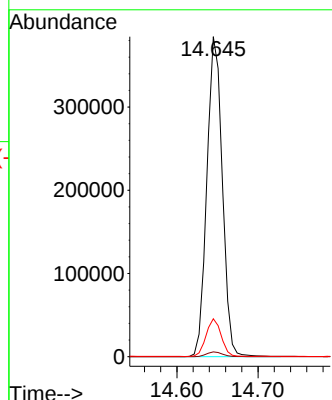
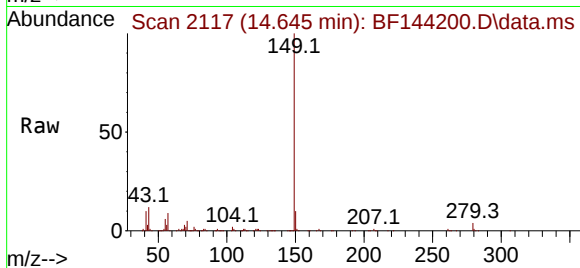




#85
Di-n-octyl phthalate
Concen: 46.155 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

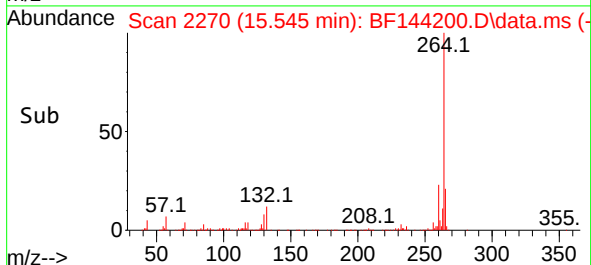
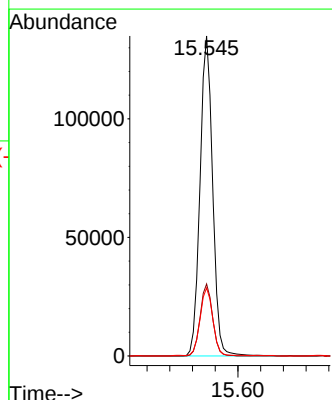
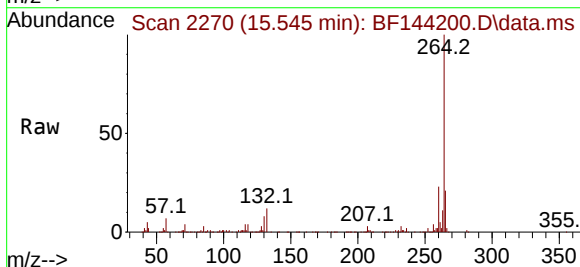
Instrument :
BNA_F
ClientSampleId :
PB170478BS

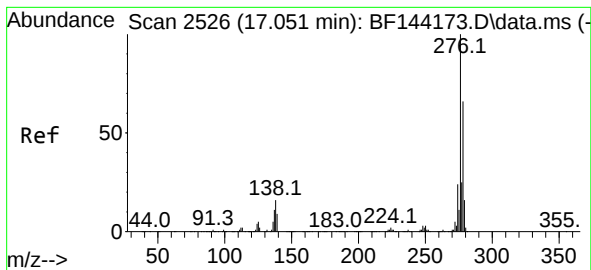
Tgt Ion:149 Resp: 506010
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.5 9.0 13.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:264 Resp: 208533
Ion Ratio Lower Upper
264 100
260 22.5 17.1 25.7
265 21.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.145 ng

RT: 17.056 min Scan# 2196

Delta R.T. 0.023 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Instrument :

BNA_F

ClientSampleId :

PB170478BS

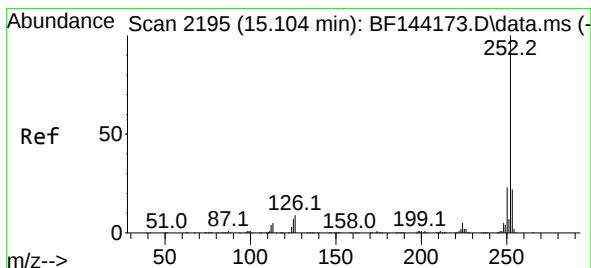
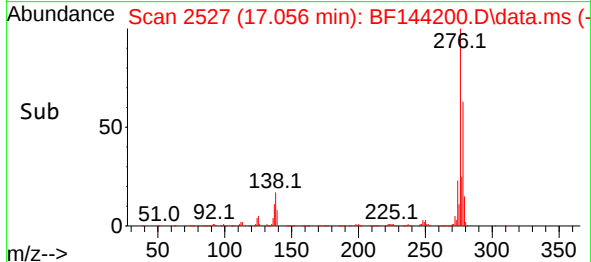
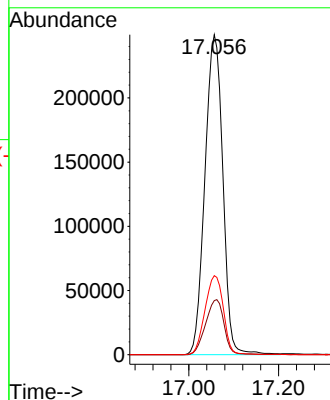
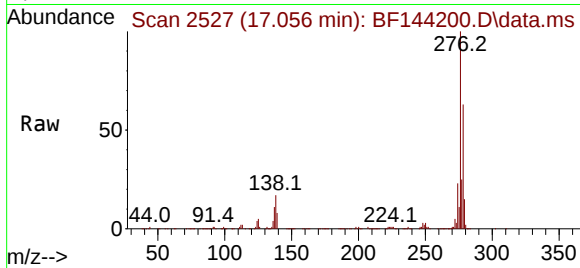
Tgt Ion:276 Resp: 690764

Ion Ratio Lower Upper

276 100

138 17.8 13.9 20.9

277 25.4 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 51.683 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.012 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

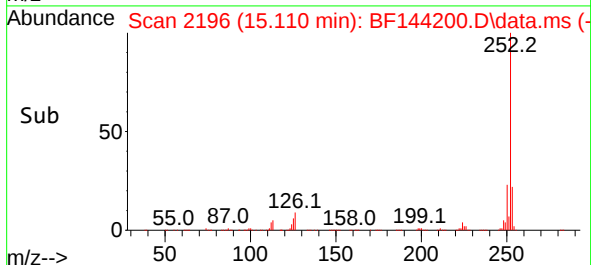
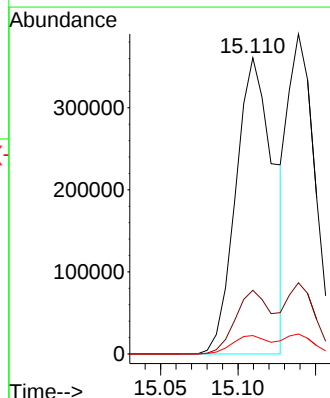
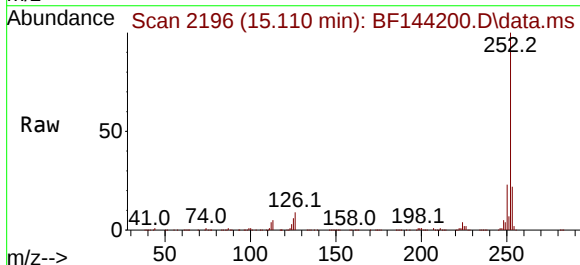
Tgt Ion:252 Resp: 612732

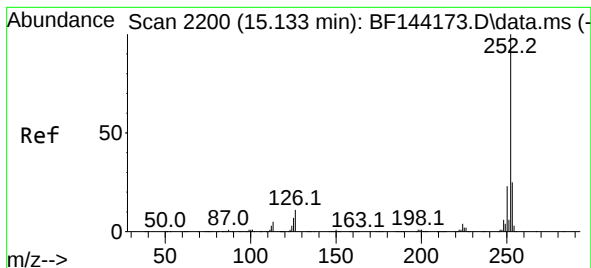
Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 6.2 5.3 7.9





#89

Benzo(k)fluoranthene

Concen: 43.090 ng

RT: 15.139 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

Instrument :

BNA_F

ClientSampleId :

PB170478BS

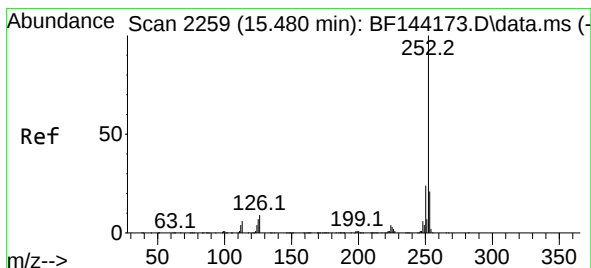
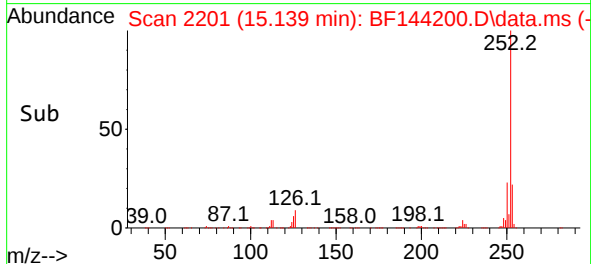
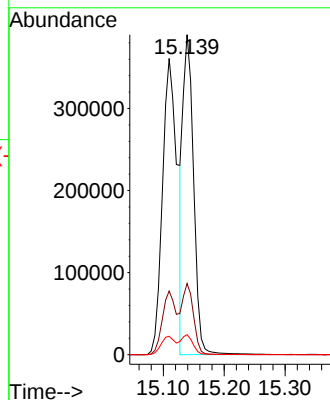
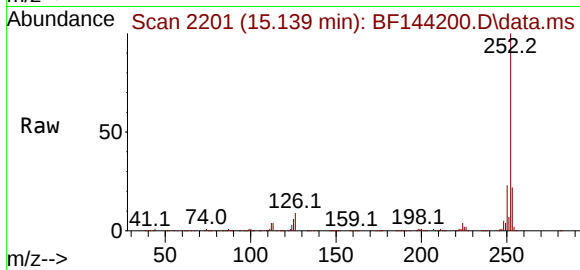
Tgt Ion:252 Resp: 478154

Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

125 6.3 5.4 8.2



#90

Benzo(a)pyrene

Concen: 48.659 ng

RT: 15.480 min Scan# 2259

Delta R.T. 0.006 min

Lab File: BF144200.D

Acq: 11 Nov 2025 13:36

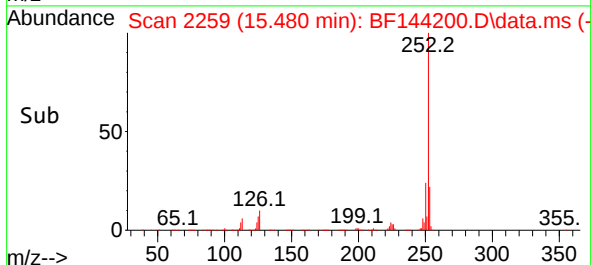
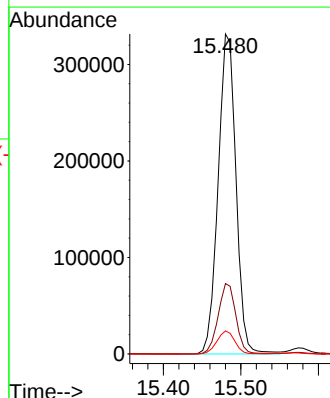
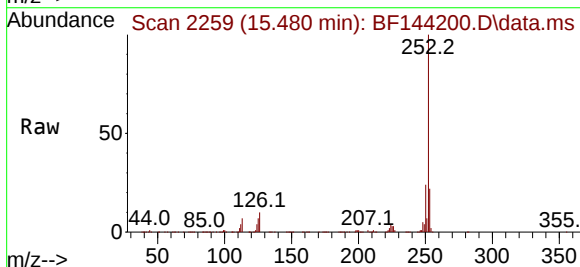
Tgt Ion:252 Resp: 532196

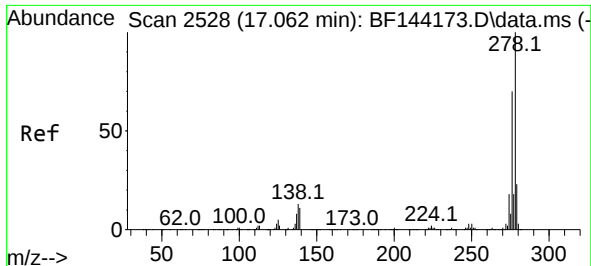
Ion Ratio Lower Upper

252 100

253 22.0 16.7 25.1

125 7.2 5.7 8.5

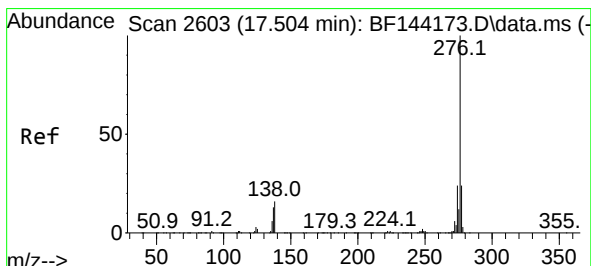
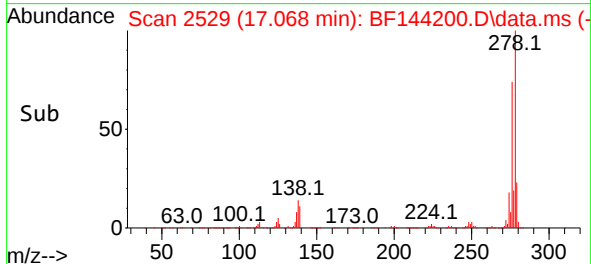
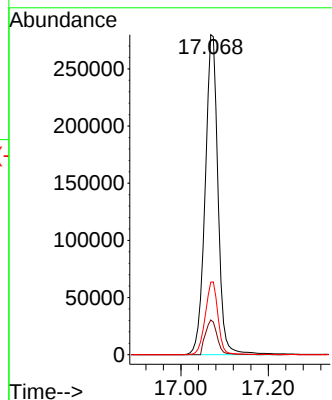
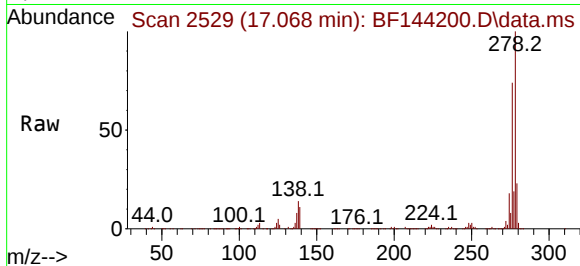




#91
Dibenzo(a,h)anthracene
Concen: 47.705 ng
RT: 17.068 min Scan# 21
Delta R.T. 0.017 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Instrument :
BNA_F
ClientSampleId :
PB170478BS

Tgt Ion:278 Resp: 573506
Ion Ratio Lower Upper
278 100
139 10.9 9.1 13.7
279 22.7 18.2 27.4



#92
Benzo(g,h,i)perylene
Concen: 49.251 ng
RT: 17.509 min Scan# 2604
Delta R.T. 0.017 min
Lab File: BF144200.D
Acq: 11 Nov 2025 13:36

Tgt Ion:276 Resp: 584704
Ion Ratio Lower Upper
276 100
277 23.2 19.0 28.4
138 15.7 12.9 19.3

