

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143500.D
 Acq On : 20 Aug 2025 23:03
 Operator : RC/JU
 Sample : PB169223BS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS

Quant Time: Aug 21 02:07:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	131186	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	492884	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	270237	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	416818	20.000	ng	0.00
76) Chrysene-d12	14.098	240	228118	20.000	ng	0.00
86) Perylene-d12	15.592	264	266176	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	844659	112.429	ng	0.01
7) Phenol-d6	6.569	99	1058961	114.184	ng	0.00
23) Nitrobenzene-d5	7.486	82	710526	84.122	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	322470	128.193	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1355856	82.919	ng	0.00
79) Terphenyl-d14	13.039	244	1200740	91.853	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.840	88	118960	34.181	ng	99
3) Pyridine	3.598	79	315644	34.051	ng	99
4) n-Nitrosodimethylamine	3.540	42	178922	42.937	ng	98
6) Aniline	6.592	93	455595	36.752	ng	96
8) 2-Chlorophenol	6.716	128	345347	41.618	ng	100
9) Benzaldehyde	6.475	77	202831	27.013	ng	97
10) Phenol	6.581	94	429646	40.214	ng	97
11) bis(2-Chloroethyl)ether	6.657	93	324476	40.641	ng	100
12) 1,3-Dichlorobenzene	6.869	146	378602	40.607	ng	99
13) 1,4-Dichlorobenzene	6.945	146	384169	41.077	ng	100
14) 1,2-Dichlorobenzene	7.098	146	365259	41.250	ng	99
15) Benzyl Alcohol	7.069	79	298873	43.044	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	523318	40.970	ng	98
17) 2-Methylphenol	7.181	107	284449	42.710	ng	96
18) Hexachloroethane	7.439	117	128886	40.532	ng	97
19) n-Nitroso-di-n-propyla...	7.339	70	240395	42.409	ng	99
20) 3+4-Methylphenols	7.334	107	342541	43.085	ng	99
22) Acetophenone	7.334	105	456555	42.875	ng	99
24) Nitrobenzene	7.510	77	367167	42.236	ng	99
25) Isophorone	7.745	82	679763	43.904	ng	99
26) 2-Nitrophenol	7.822	139	187617	44.059	ng	97
27) 2,4-Dimethylphenol	7.863	122	307096	46.263	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	411823	43.281	ng	100
29) 2,4-Dichlorophenol	8.069	162	302376	42.651	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	321220	44.069	ng	100
31) Naphthalene	8.233	128	978696	41.359	ng	100
32) Benzoic acid	7.992	122	153463	41.568	ng	99
33) 4-Chloroaniline	8.281	127	338991	40.362	ng	100
34) Hexachlorobutadiene	8.351	225	198748	41.793	ng	99
35) Caprolactam	8.681	113	37156	21.841	ng	97
36) 4-Chloro-3-methylphenol	8.763	107	317848	44.738	ng	99
37) 2-Methylnaphthalene	8.922	142	609862	38.588	ng	100
38) 1-Methylnaphthalene	9.022	142	628292	41.560	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	325599	42.123	ng	99
41) Hexachlorocyclopentadiene	9.080	237	312701	102.172	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	211292	44.423	ng	98

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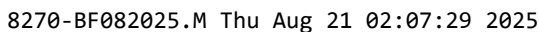
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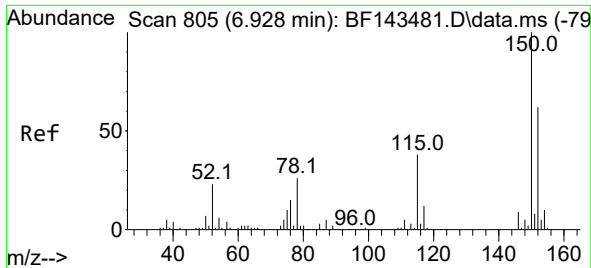
Quant Time: Aug 21 02:07:24 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	224442	43.200	ng	98
46) 1,1'-Biphenyl	9.386	154	831130	43.331	ng	100
47) 2-Chloronaphthalene	9.410	162	642470	42.690	ng	98
48) 2-Nitroaniline	9.504	65	201092	45.656	ng	99
49) Acenaphthylene	9.827	152	1028329	47.720	ng	100
50) Dimethylphthalate	9.686	163	745057	45.777	ng	100
51) 2,6-Dinitrotoluene	9.745	165	160042	47.445	ng	97
52) Acenaphthene	10.004	154	667045	45.591	ng	99
53) 3-Nitroaniline	9.916	138	144290	39.586	ng	99
54) 2,4-Dinitrophenol	10.027	184	138052	76.758	ng	99
55) Dibenzofuran	10.175	168	901702	43.227	ng	99
56) 4-Nitrophenol	10.086	139	201396	92.862	ng	96
57) 2,4-Dinitrotoluene	10.151	165	216352	48.035	ng	96
58) Fluorene	10.516	166	696847	43.405	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	190110	49.253	ng	99
60) Diethylphthalate	10.380	149	675090	46.264	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	343405	42.770	ng	99
62) 4-Nitroaniline	10.533	138	152819	45.645	ng	98
63) Azobenzene	10.663	77	684241	45.223	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	107407	45.701	ng	97
66) n-Nitrosodiphenylamine	10.622	169	603271	44.973	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	221455	44.529	ng	99
68) Hexachlorobenzene	11.069	284	240151	44.797	ng	99
69) Atrazine	11.145	200	167924	48.496	ng	99
70) Pentachlorophenol	11.263	266	220853	89.954	ng	99
71) Phenanthrene	11.480	178	965407	43.251	ng	100
72) Anthracene	11.533	178	981619	43.411	ng	100
73) Carbazole	11.686	167	819392	44.223	ng	100
74) Di-n-butylphthalate	12.010	149	833115	48.199	ng	99
75) Fluoranthene	12.668	202	859377	42.907	ng	100
77) Benzidine	12.786	184	398812	71.772	ng	99
78) Pyrene	12.898	202	851461	45.376	ng	100
80) Butylbenzylphthalate	13.510	149	246733	48.132	ng	99
81) Benzo(a)anthracene	14.086	228	634750	43.220	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	170528	40.545	ng	98
83) Chrysene	14.121	228	595587	45.126	ng	100
84) Bis(2-ethylhexyl)phtha...	14.068	149	358873	45.966	ng	100
85) Di-n-octyl phthalate	14.680	149	661323	45.724	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	888766	46.466	ng	100
88) Benzo(b)fluoranthene	15.157	252	660057	44.611	ng	99
89) Benzo(k)fluoranthene	15.186	252	624234	44.065	ng	100
90) Benzo(a)pyrene	15.533	252	643530	46.858	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	729486	47.620	ng	99
92) Benzo(g,h,i)perylene	17.592	276	718142	47.146	ng	100

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

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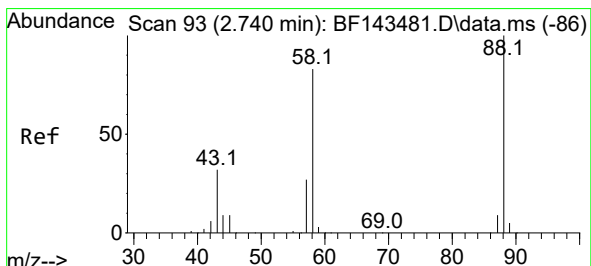
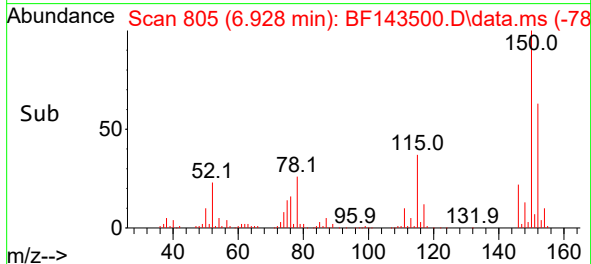
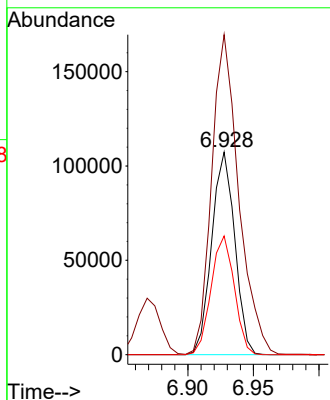
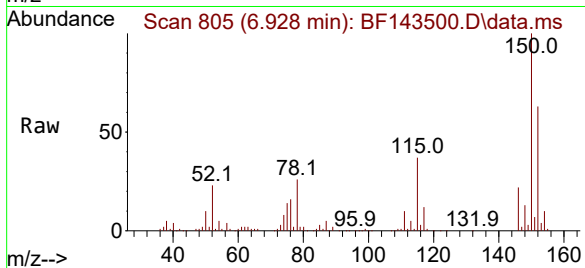




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF143500.D
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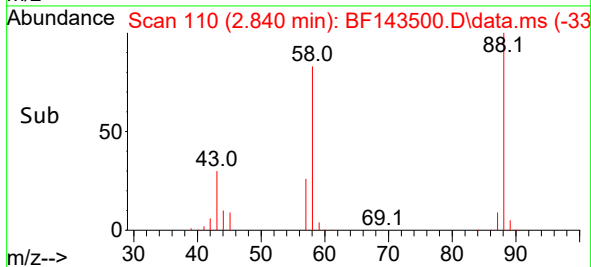
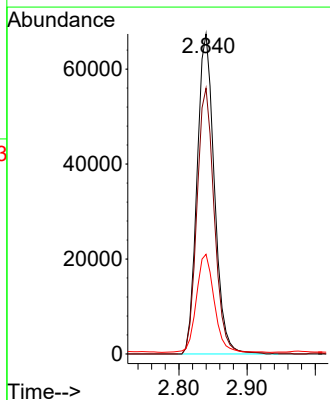
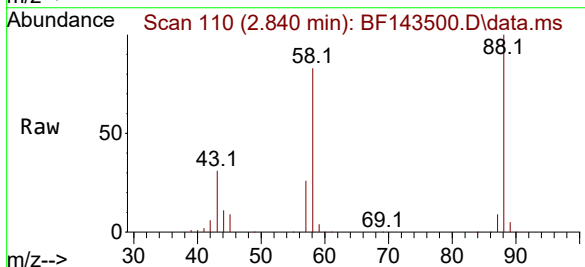
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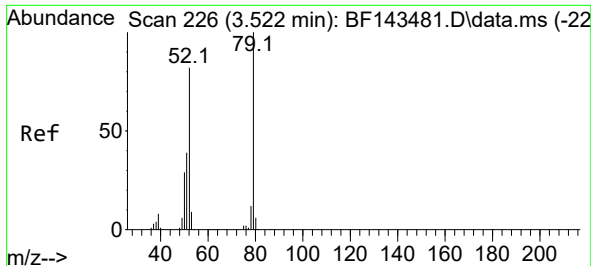
Tgt Ion:152 Resp: 131186
 Ion Ratio Lower Upper
 152 100
 150 157.9 128.9 193.3
 115 58.6 49.2 73.8



#2
 1,4-Dioxane
 Concen: 34.181 ng
 RT: 2.840 min Scan# 110
 Delta R.T. 0.106 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

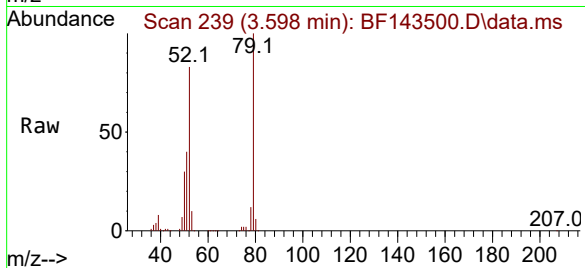
Tgt Ion: 88 Resp: 118960
 Ion Ratio Lower Upper
 88 100
 58 83.2 66.7 100.1
 43 31.6 25.8 38.8



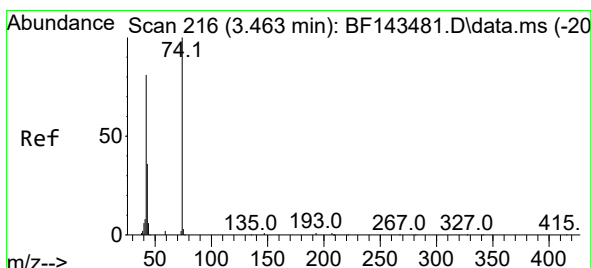
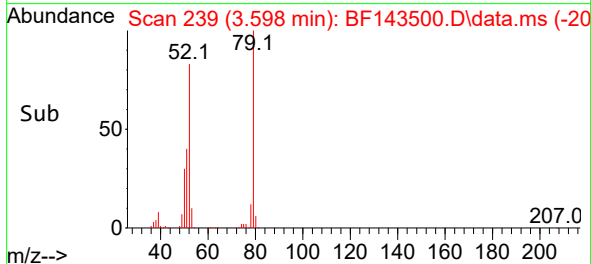
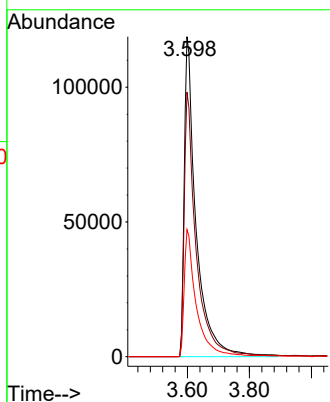


#3
Pyridine
Concen: 34.051 ng
RT: 3.598 min Scan# 21
Delta R.T. 0.082 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Instrument :
BNA_F
ClientSampleId :
PB169223BS

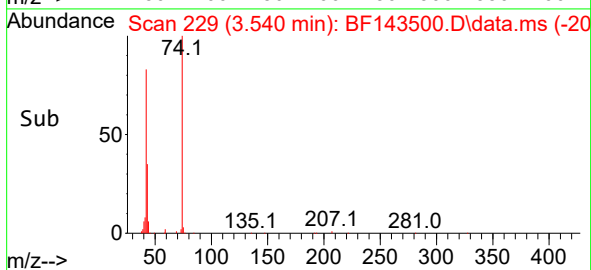
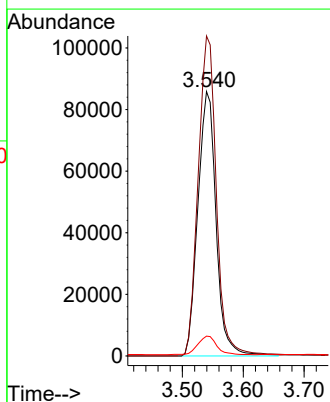
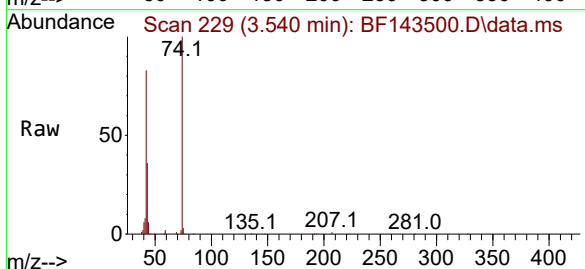


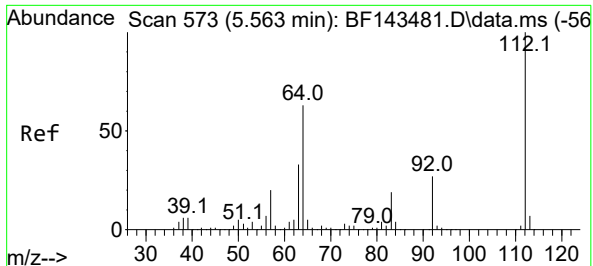
Tgt Ion: 79 Resp: 315644
Ion Ratio Lower Upper
79 100
52 82.6 65.6 98.4
51 39.7 31.2 46.8



#4
n-Nitrosodimethylamine
Concen: 42.937 ng
RT: 3.540 min Scan# 229
Delta R.T. 0.065 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion: 42 Resp: 178922
Ion Ratio Lower Upper
42 100
74 121.0 98.6 148.0
44 7.5 5.8 8.8

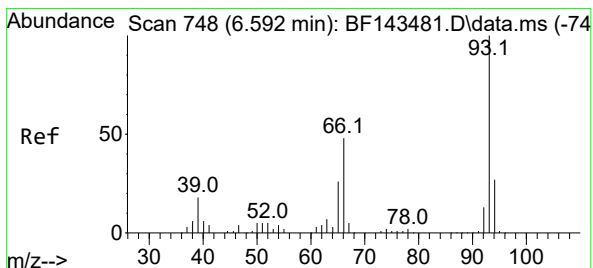
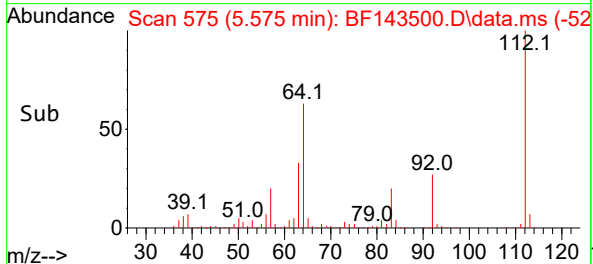
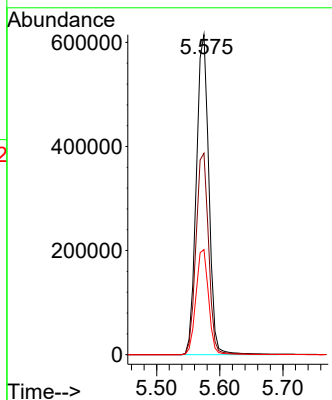
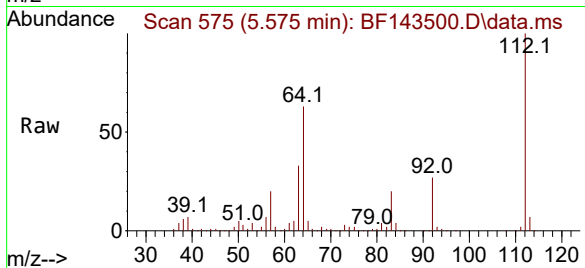




#5
2-Fluorophenol
Concen: 112.429 ng
RT: 5.575 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

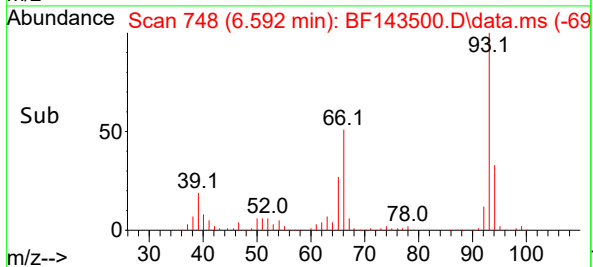
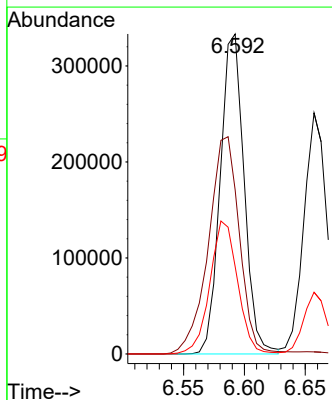
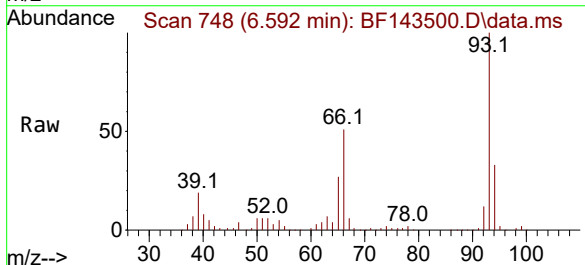
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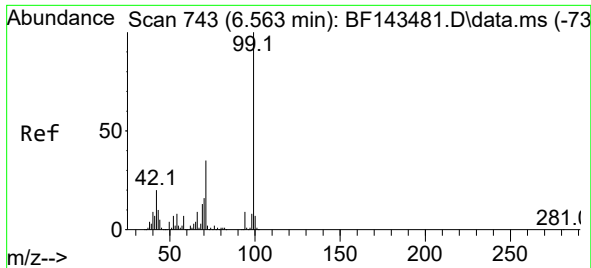
Tgt Ion:112 Resp: 844659
Ion Ratio Lower Upper
112 100
64 63.0 50.4 75.6
63 32.9 26.4 39.6



#6
Aniline
Concen: 36.752 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion: 93 Resp: 455595
Ion Ratio Lower Upper
93 100
66 51.2 38.9 58.3
65 27.3 20.6 30.8

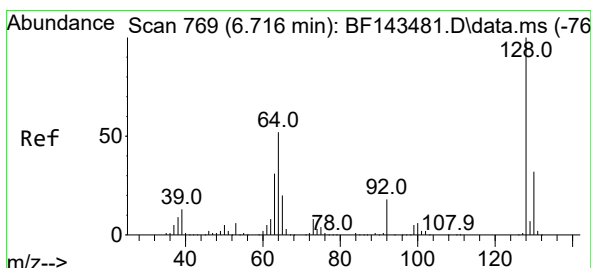
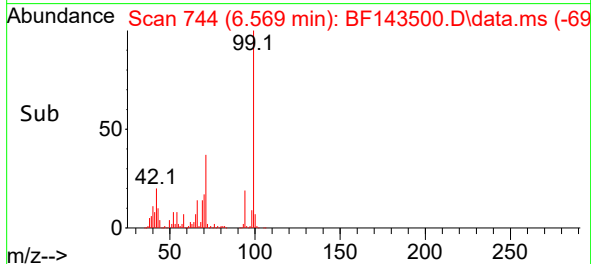
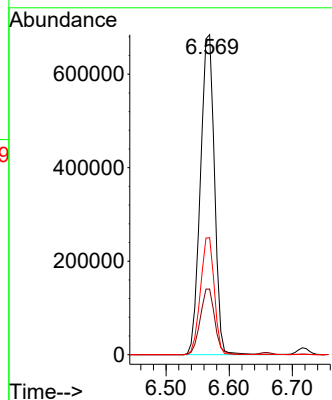
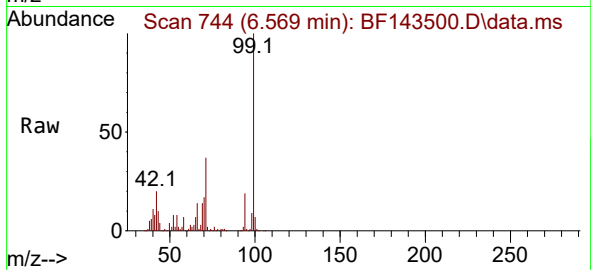




#7
Phenol-d6
Concen: 114.184 ng
RT: 6.569 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

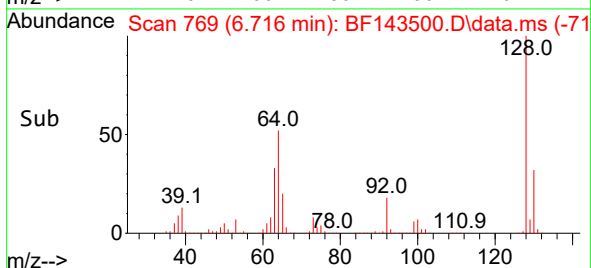
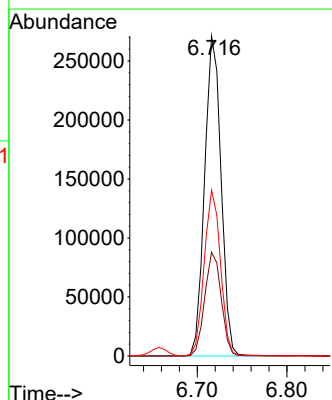
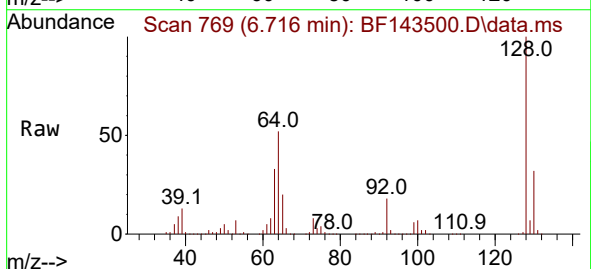
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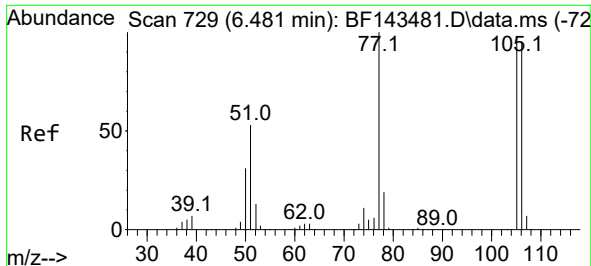
Tgt Ion: 99 Resp: 1058961
Ion Ratio Lower Upper
99 100
42 20.5 16.3 24.5
71 36.6 28.2 42.2



#8
2-Chlorophenol
Concen: 41.618 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion: 128 Resp: 345347
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 51.9 31.6 71.6

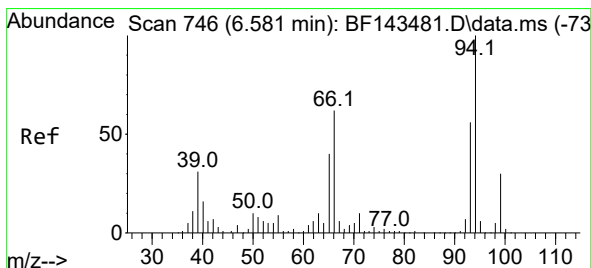
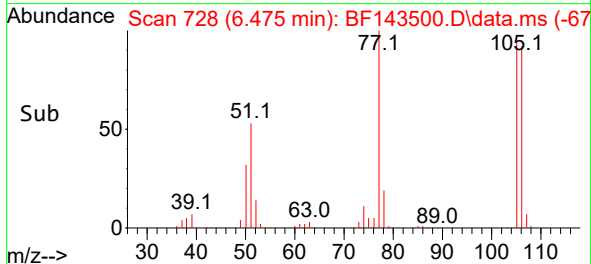
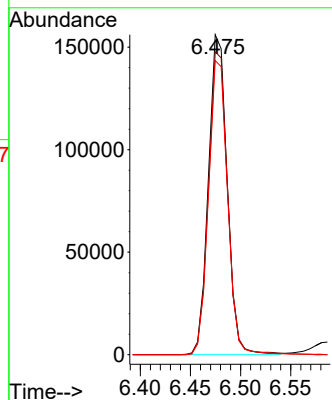
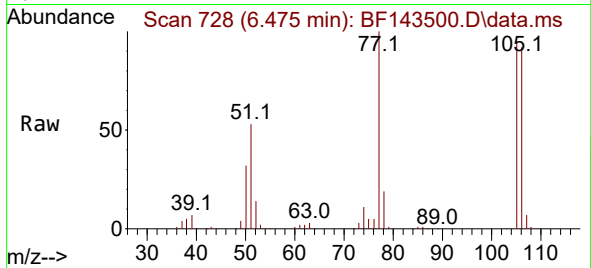




#9
Benzaldehyde
Concen: 27.013 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

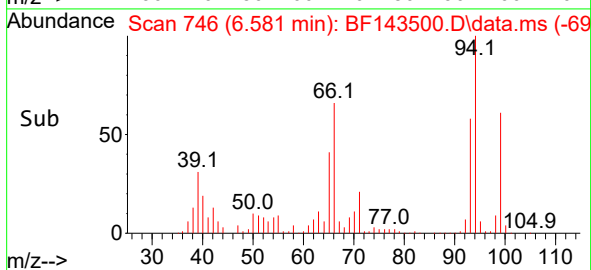
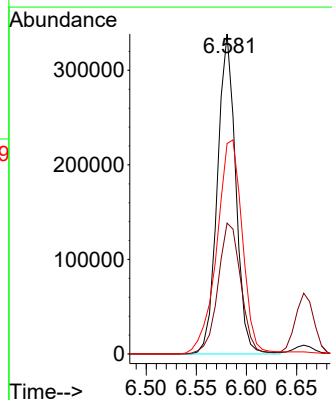
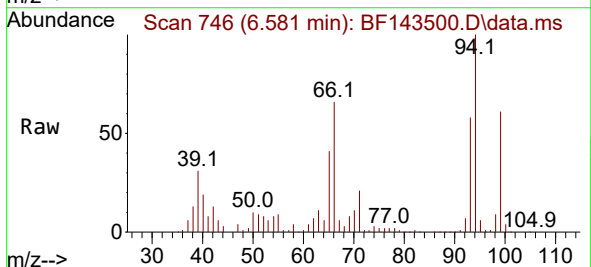
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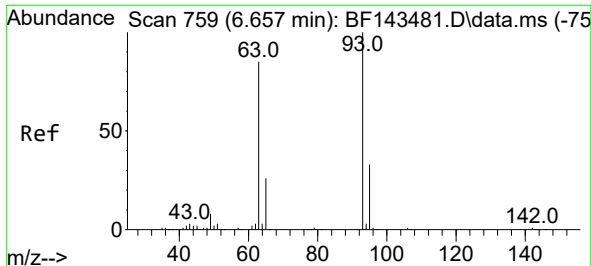
Tgt Ion: 77 Resp: 202831
Ion Ratio Lower Upper
77 100
105 94.7 78.1 118.1
106 91.9 74.9 114.9



#10
Phenol
Concen: 40.214 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion: 94 Resp: 429646
Ion Ratio Lower Upper
94 100
65 40.9 19.5 59.5
66 65.8 42.5 82.5

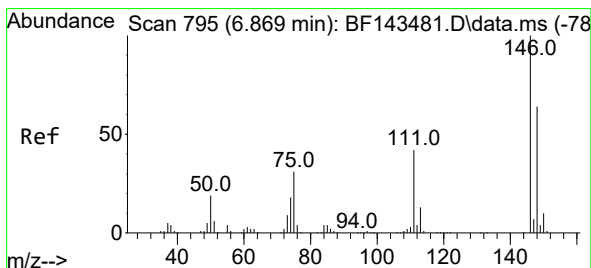
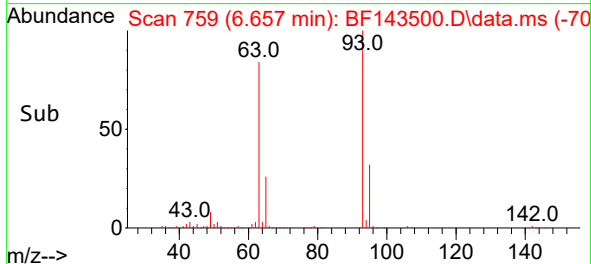
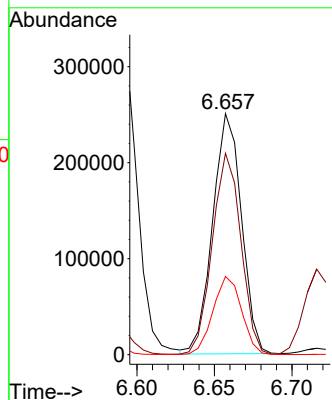
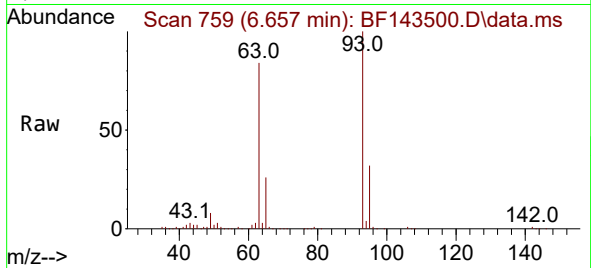




#11
bis(2-Chloroethyl)ether
Concen: 40.641 ng
RT: 6.657 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

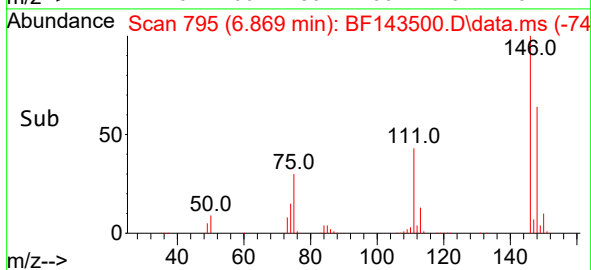
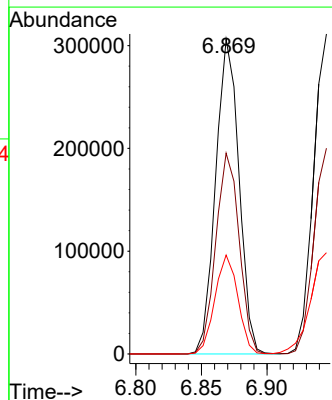
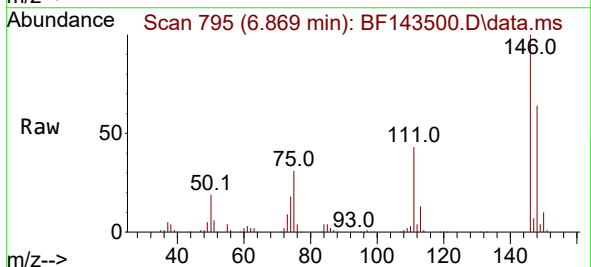
Instrument :
BNA_F
ClientSampleId :
PB169223BS

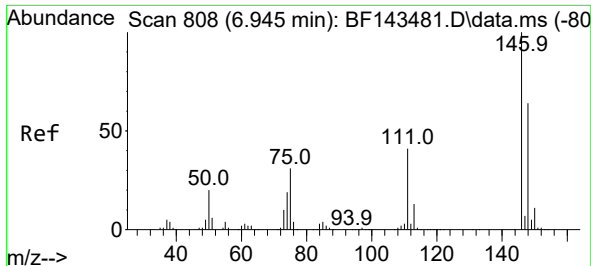
Tgt Ion: 93 Resp: 324476
Ion Ratio Lower Upper
93 100
63 83.6 63.6 103.6
95 32.5 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 40.607 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:146 Resp: 378602
Ion Ratio Lower Upper
146 100
148 63.8 51.3 76.9
75 31.4 24.7 37.1

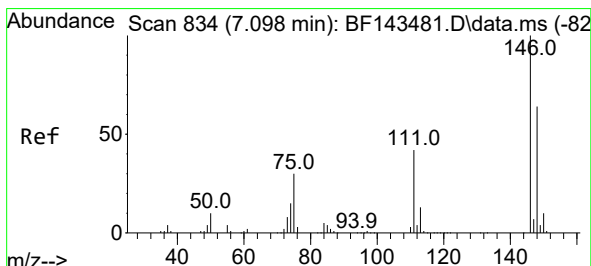
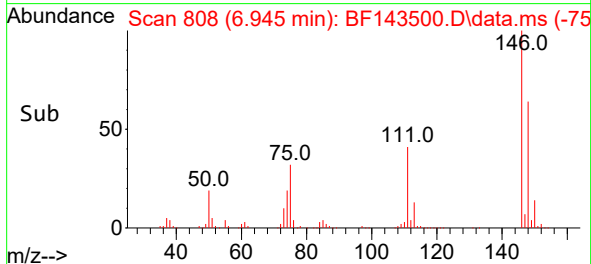
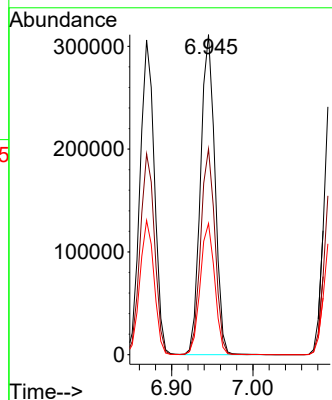
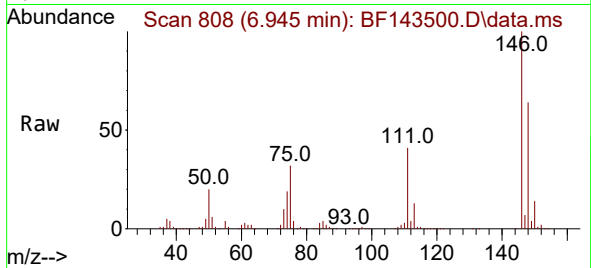




#13
1,4-Dichlorobenzene
Concen: 41.077 ng
RT: 6.945 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

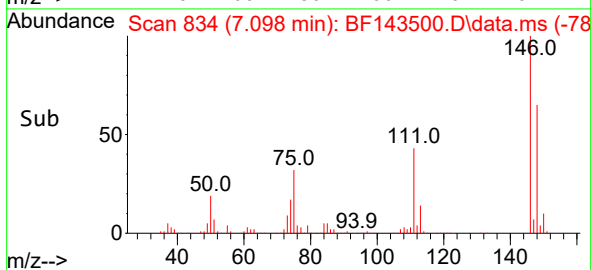
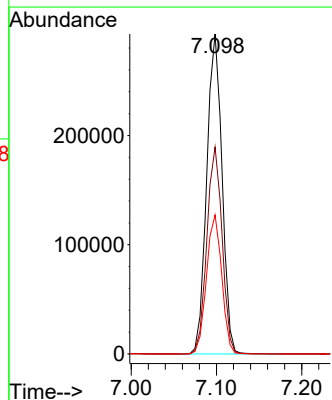
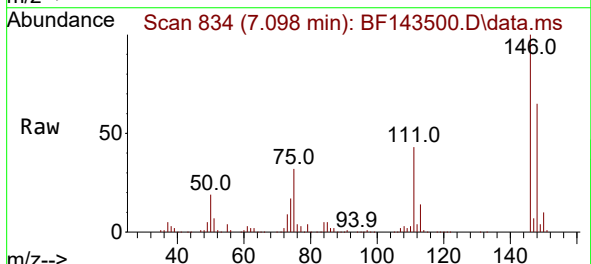
Instrument :
BNA_F
ClientSampleId :
PB169223BS

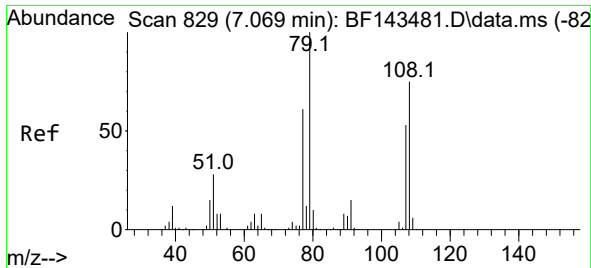
Tgt Ion:146 Resp: 384169
Ion Ratio Lower Upper
146 100
148 64.3 51.5 77.3
111 41.0 32.6 49.0



#14
1,2-Dichlorobenzene
Concen: 41.250 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:146 Resp: 365259
Ion Ratio Lower Upper
146 100
148 64.6 51.0 76.6
111 43.4 34.0 51.0

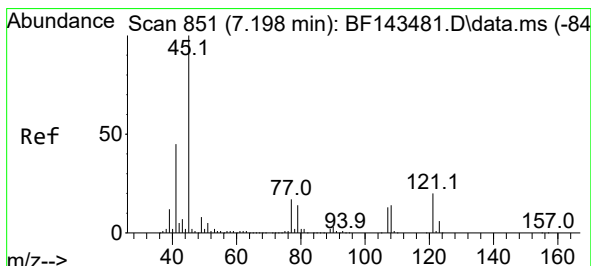
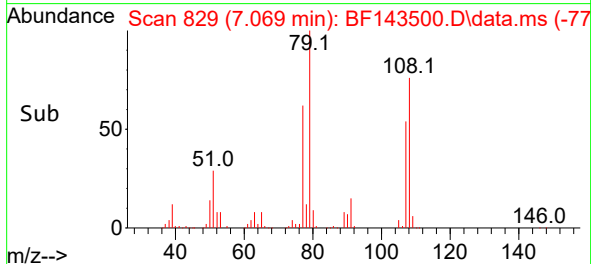
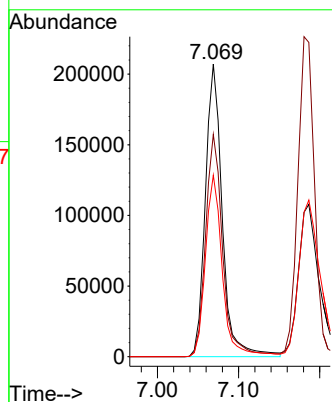
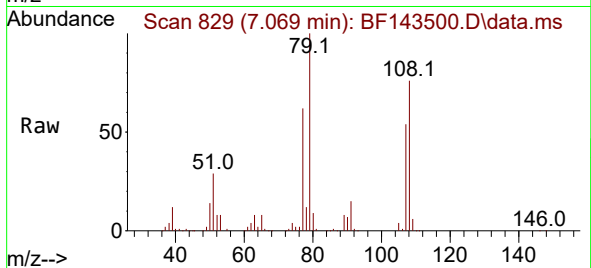




#15
Benzyl Alcohol
Concen: 43.044 ng
RT: 7.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

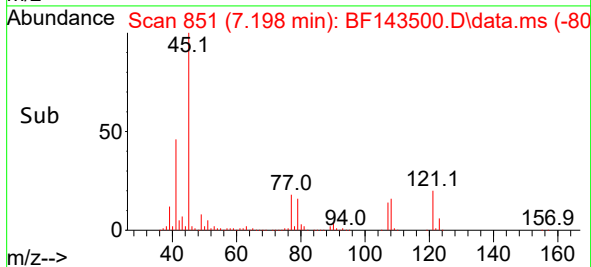
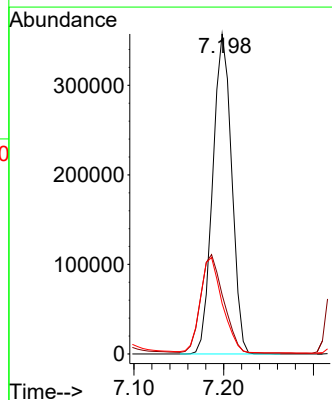
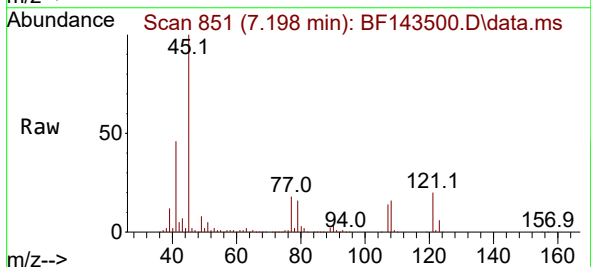
Instrument :
BNA_F
ClientSampleId :
PB169223BS

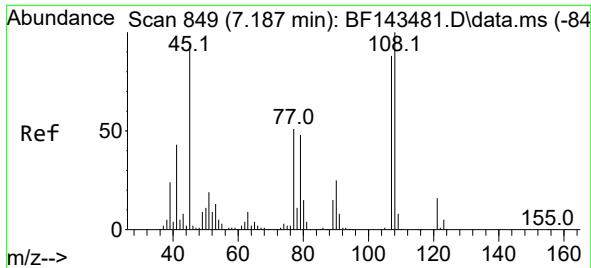
Tgt Ion: 79 Resp: 298873
Ion Ratio Lower Upper
79 100
108 76.0 59.8 89.6
77 62.0 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.970 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion: 45 Resp: 523318
Ion Ratio Lower Upper
45 100
77 18.5 0.0 37.9
79 15.7 0.0 34.7

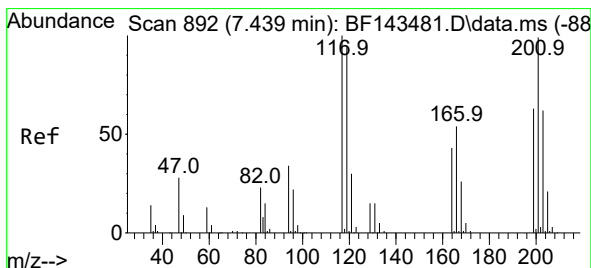
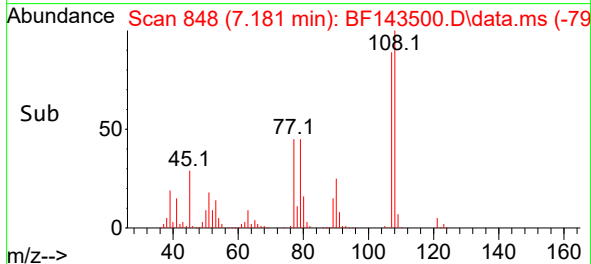
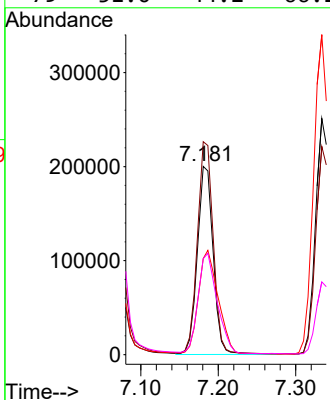
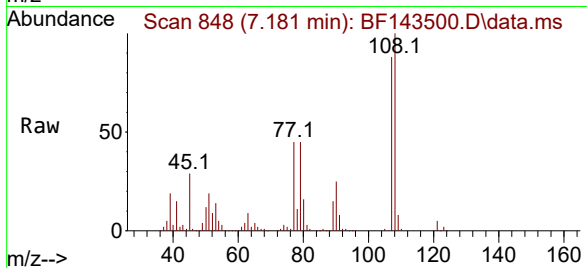




#17
2-Methylphenol
Concen: 42.710 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

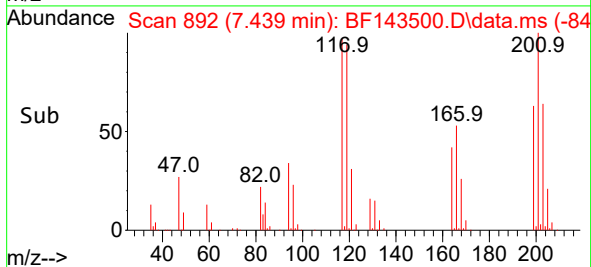
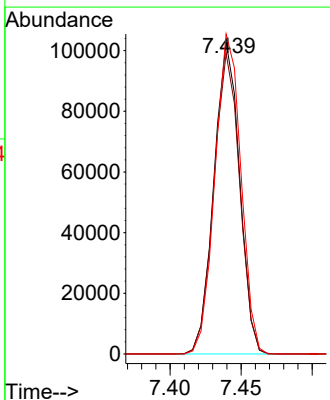
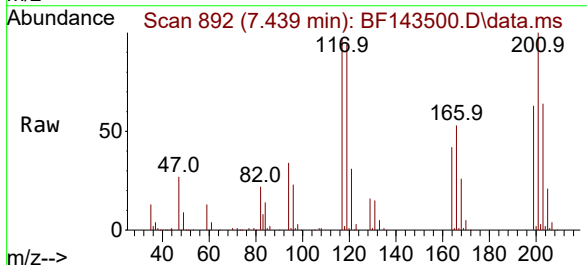
Instrument :
BNA_F
ClientSampleId :
PB169223BS

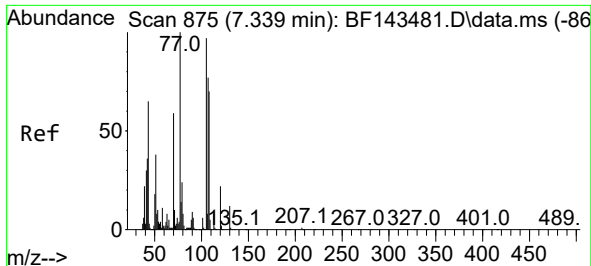
Tgt Ion:107 Resp: 284449
Ion Ratio Lower Upper
107 100
108 113.1 91.1 136.7
77 51.0 46.2 69.4
79 51.0 44.2 66.2



#18
Hexachloroethane
Concen: 40.532 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:117 Resp: 128886
Ion Ratio Lower Upper
117 100
119 96.4 75.4 113.0
201 102.6 79.0 118.4

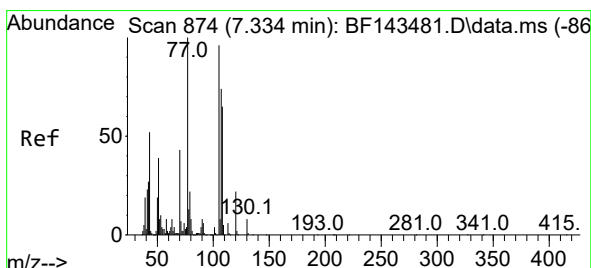
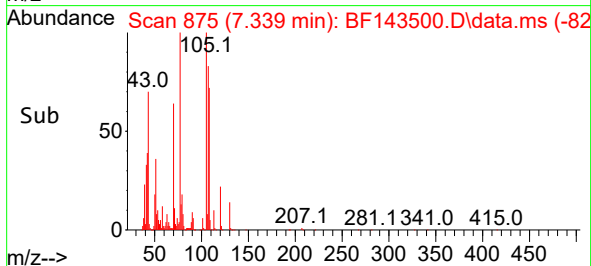
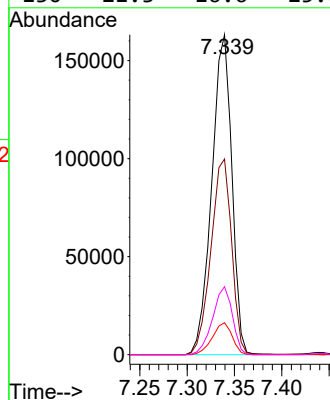
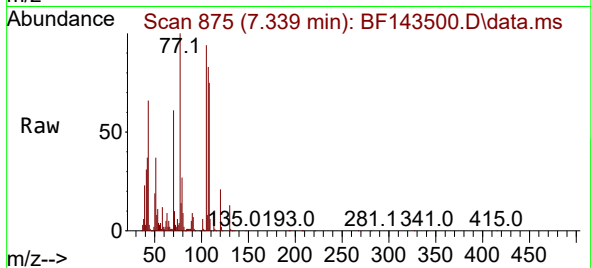




#19
n-Nitroso-di-n-propylamine
Concen: 42.409 ng
RT: 7.339 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

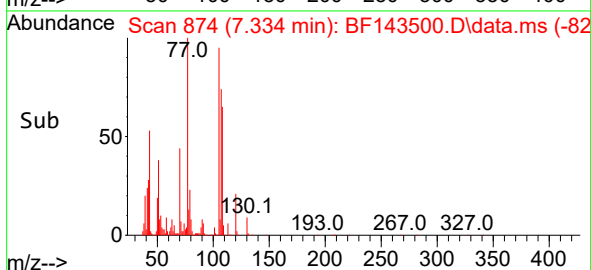
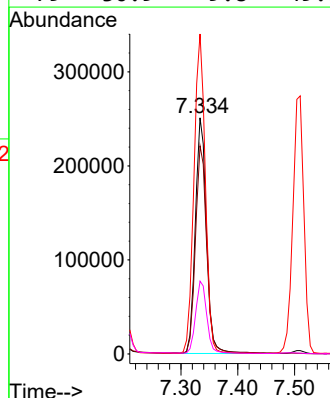
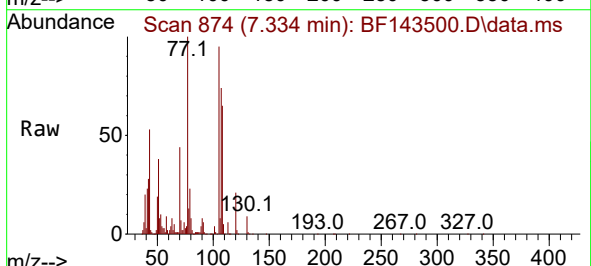
Instrument :
BNA_F
ClientSampleId :
PB169223BS

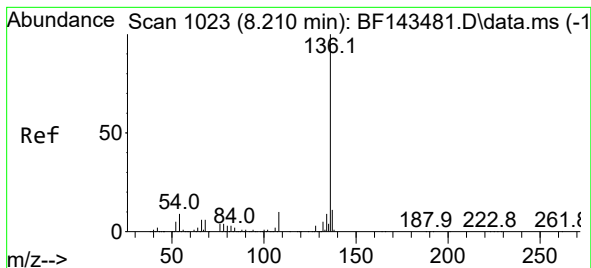
Tgt Ion: 70 Resp: 240395
Ion Ratio Lower Upper
70 100
42 61.2 49.3 73.9
101 10.0 7.8 11.8
130 21.3 16.6 25.0



#20
3+4-Methylphenols
Concen: 43.085 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion: 107 Resp: 342541
Ion Ratio Lower Upper
107 100
108 88.1 68.4 108.4
77 135.5 116.1 156.1
79 30.9 9.8 49.8

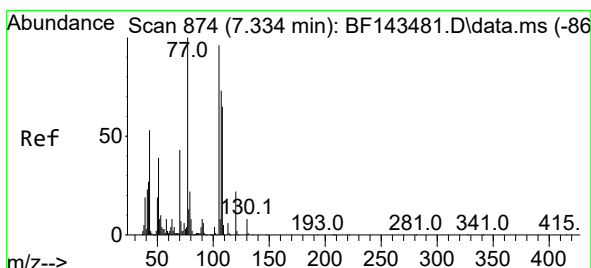
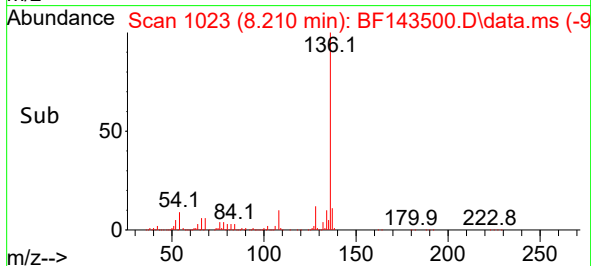
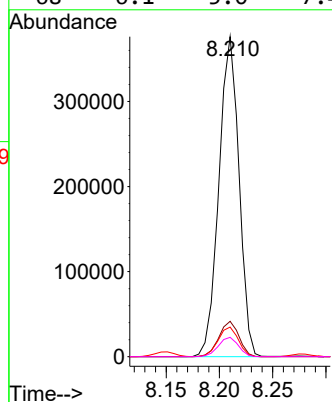
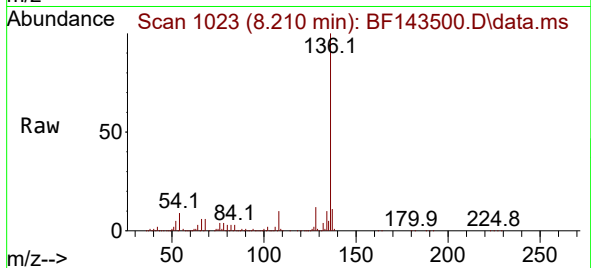




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

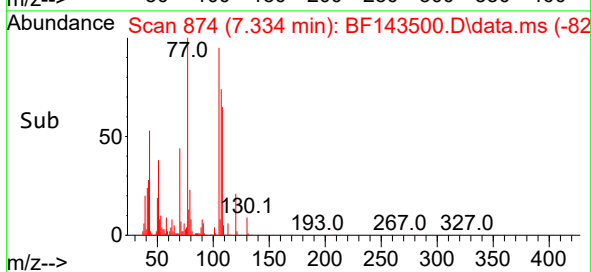
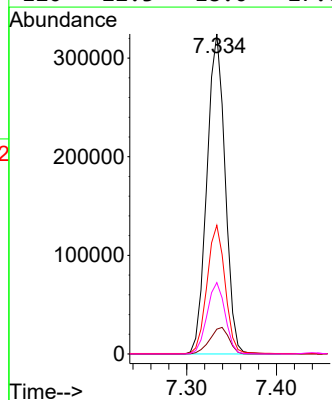
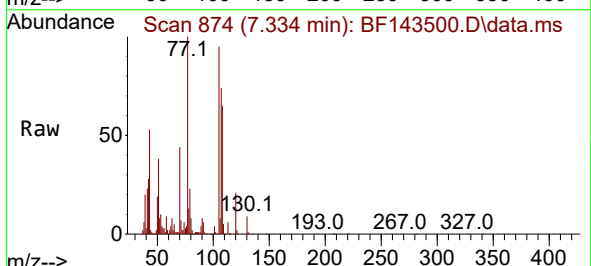
Instrument :
BNA_F
ClientSampleId :
PB169223BS

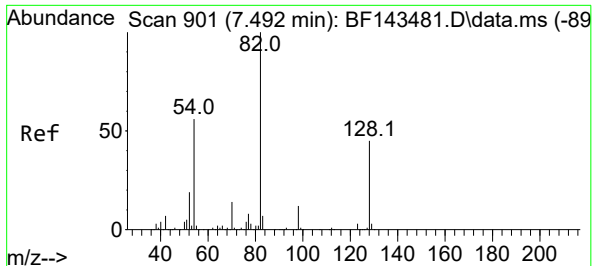
Tgt Ion:136	Resp: 492884
Ion Ratio	Lower Upper
136 100	
137 11.1	9.0 13.4
54 9.3	7.4 11.2
68 6.1	5.0 7.4



#22
Acetophenone
Concen: 42.875 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt	Ion:105	Resp:	456555
Ion	Ratio	Lower	Upper
105	100		
71	7.7	5.9	8.9
51	40.2	32.5	48.7
120	22.3	18.0	27.0





#23

Nitrobenzene-d5

Concen: 84.122 ng

RT: 7.486 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

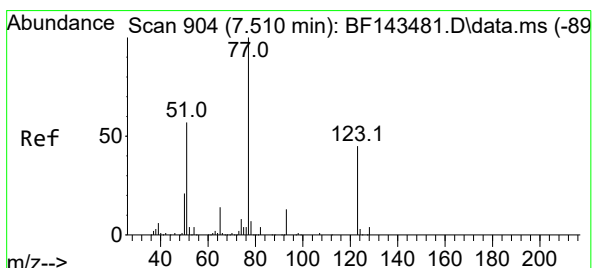
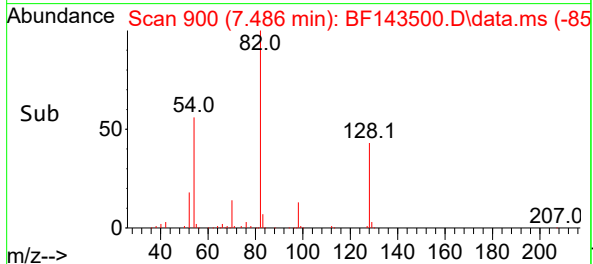
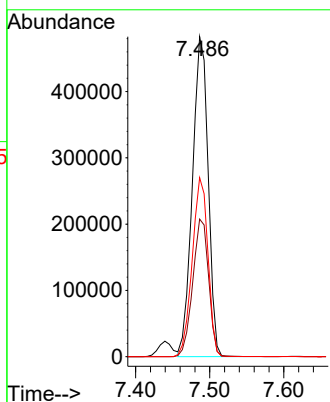
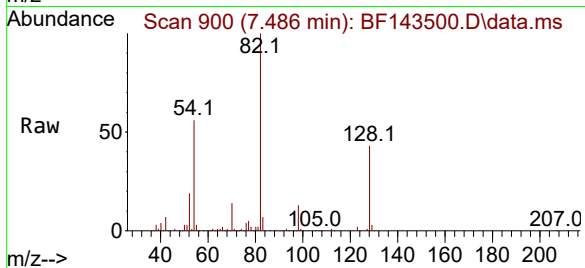
Tgt Ion: 82 Resp: 710526

Ion Ratio Lower Upper

82 100

128 43.0 35.5 53.3

54 55.9 44.3 66.5



#24

Nitrobenzene

Concen: 42.236 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

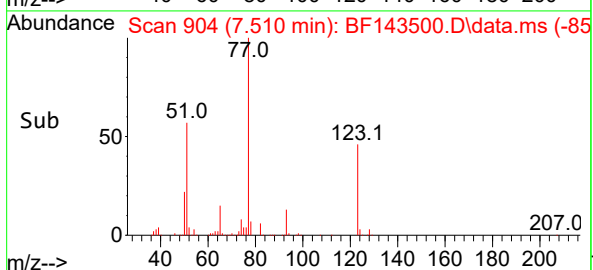
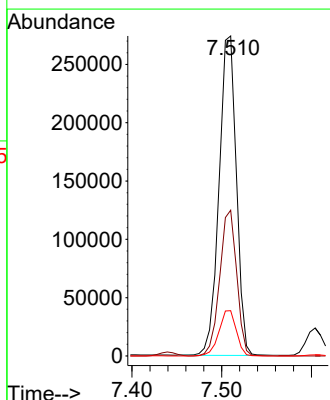
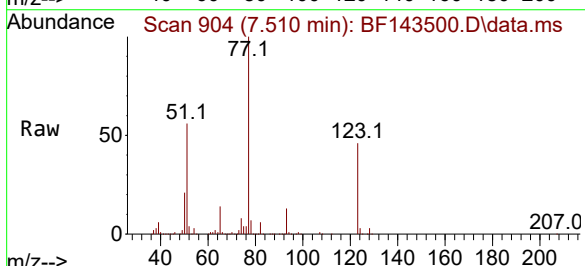
Tgt Ion: 77 Resp: 367167

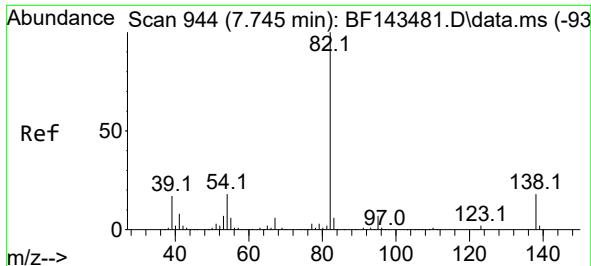
Ion Ratio Lower Upper

77 100

123 45.6 36.1 54.1

65 14.2 11.0 16.6

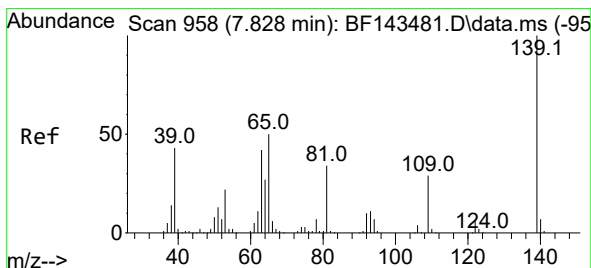
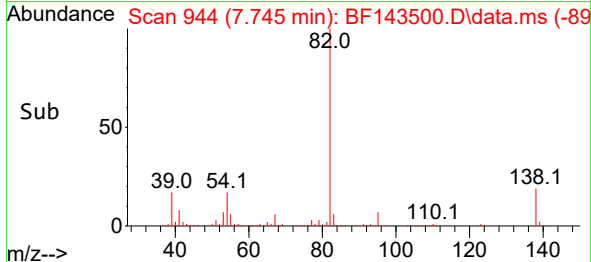
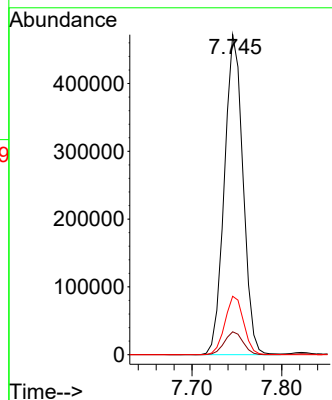
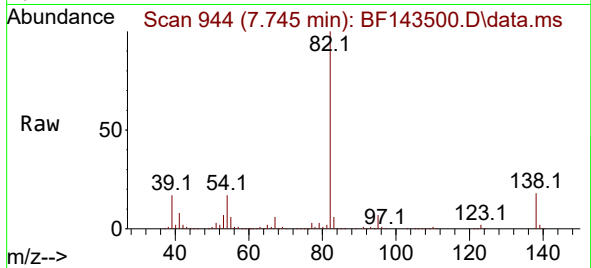




#25
Isophorone
Concen: 43.904 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

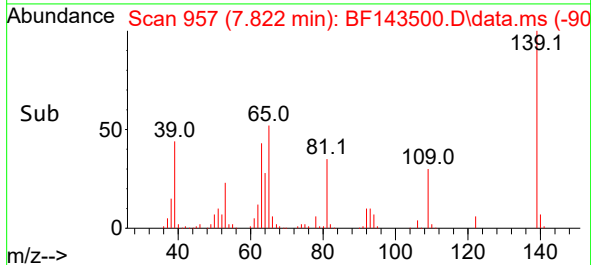
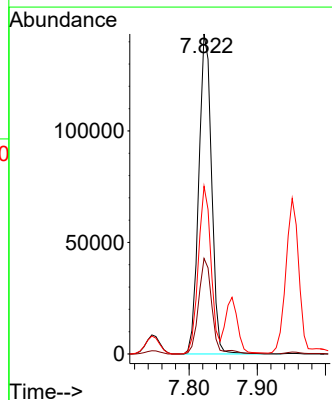
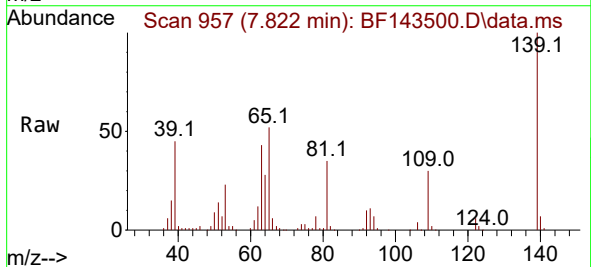
Instrument :
BNA_F
ClientSampleId :
PB169223BS

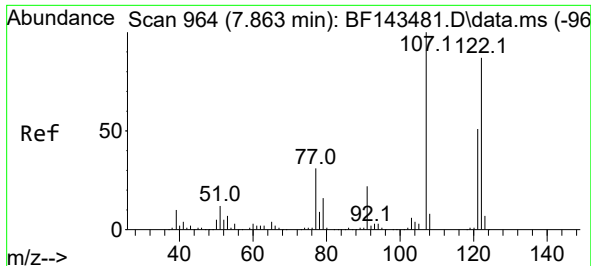
Tgt Ion: 82 Resp: 679763
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 18.2 14.2 21.4



#26
2-Nitrophenol
Concen: 44.059 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:139 Resp: 187617
Ion Ratio Lower Upper
139 100
109 29.9 23.0 34.6
65 52.4 40.3 60.5

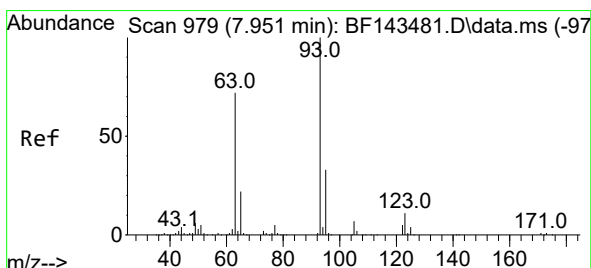
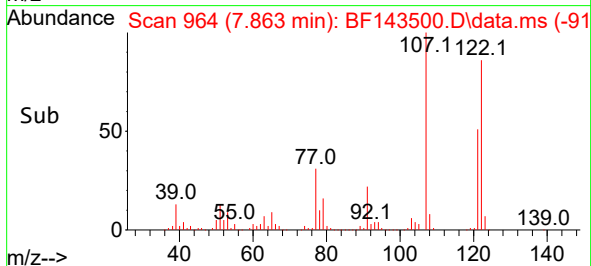
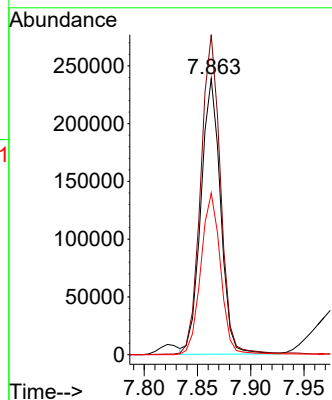
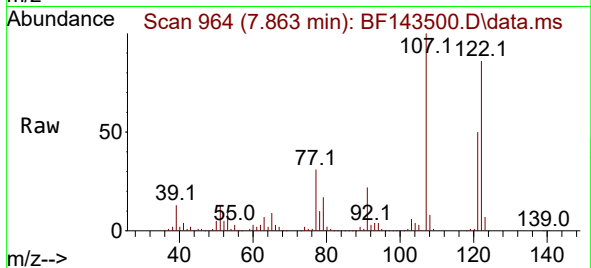




#27
2,4-Dimethylphenol
Concen: 46.263 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

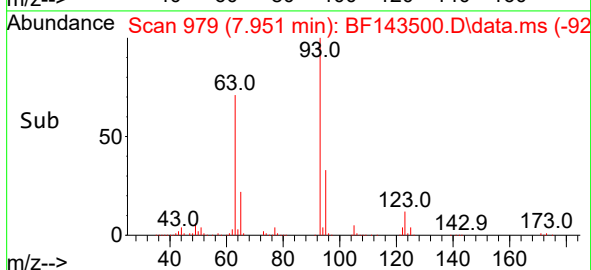
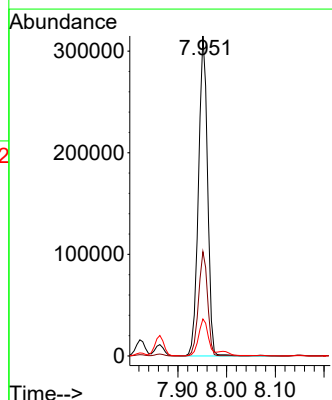
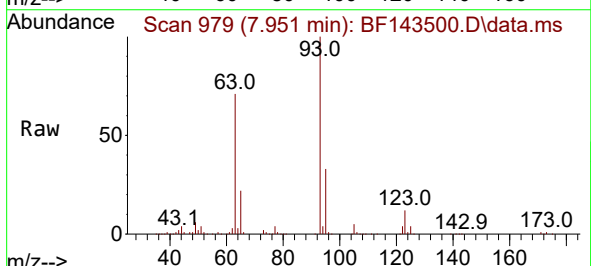
Instrument :
BNA_F
ClientSampleId :
PB169223BS

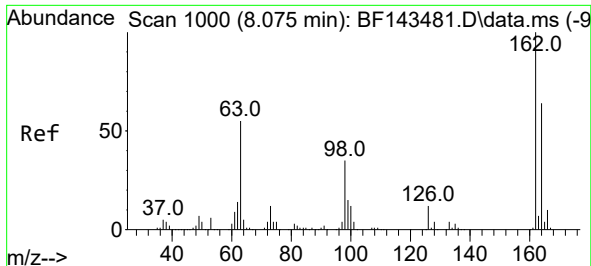
Tgt Ion:122 Resp: 307096
Ion Ratio Lower Upper
122 100
107 115.8 91.5 137.3
121 58.5 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 43.281 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion: 93 Resp: 411823
Ion Ratio Lower Upper
93 100
95 32.6 26.0 39.0
123 11.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 42.651 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

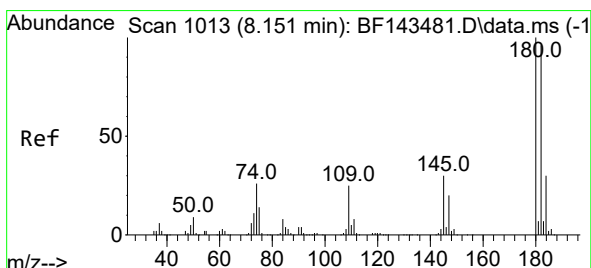
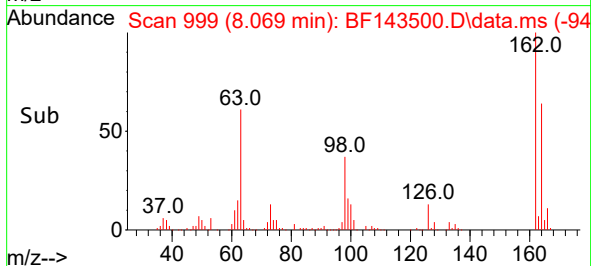
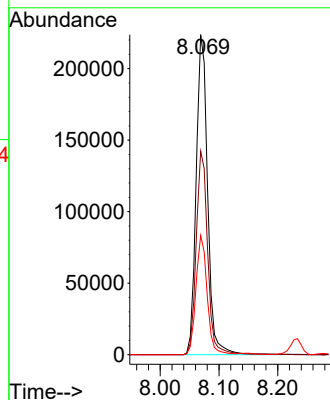
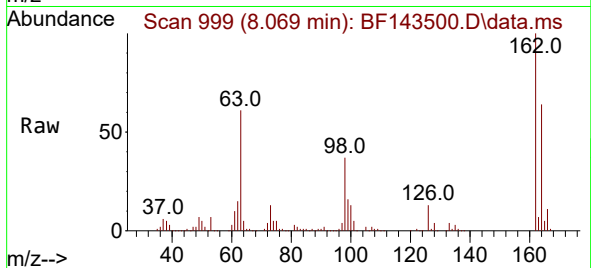
Tgt Ion:162 Resp: 302376

Ion Ratio Lower Upper

162 100

164 63.6 43.5 83.5

98 37.2 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 44.069 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

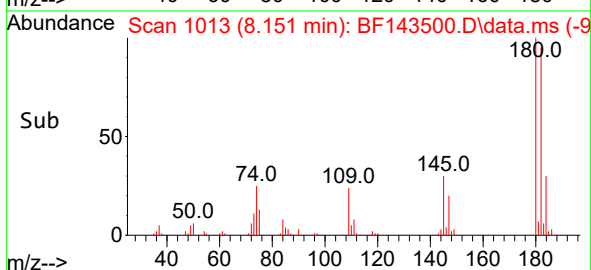
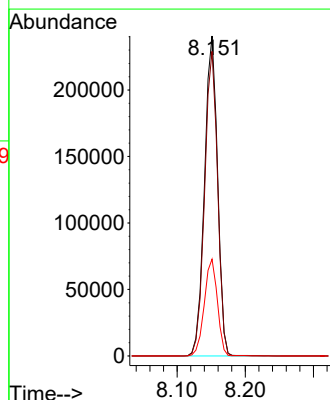
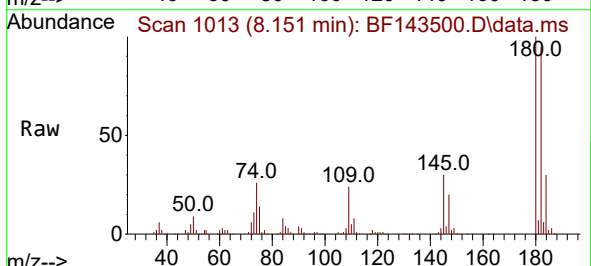
Tgt Ion:180 Resp: 321220

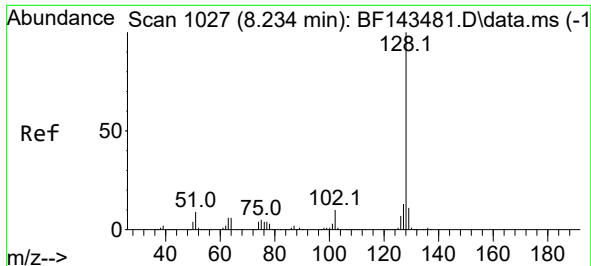
Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 30.2 24.3 36.5





#31

Naphthalene

Concen: 41.359 ng

RT: 8.233 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

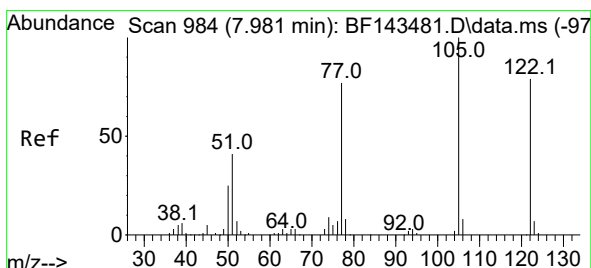
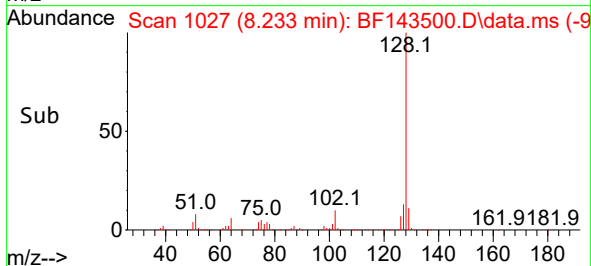
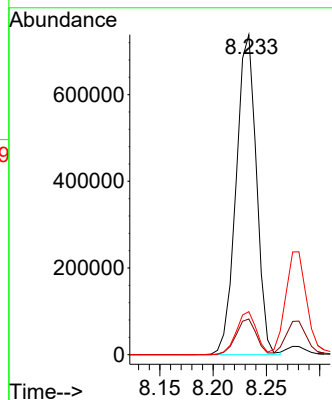
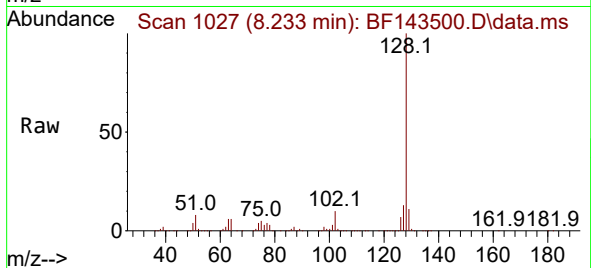
Tgt Ion:128 Resp: 978696

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 13.4 10.6 16.0



#32

Benzoic acid

Concen: 41.568 ng

RT: 7.992 min Scan# 986

Delta R.T. -0.018 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

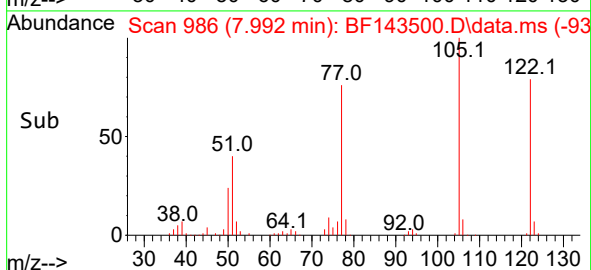
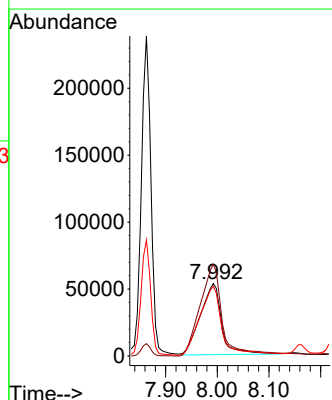
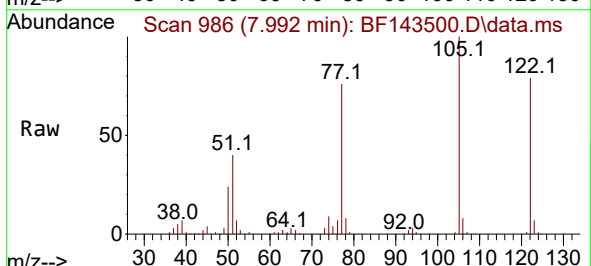
Tgt Ion:122 Resp: 153463

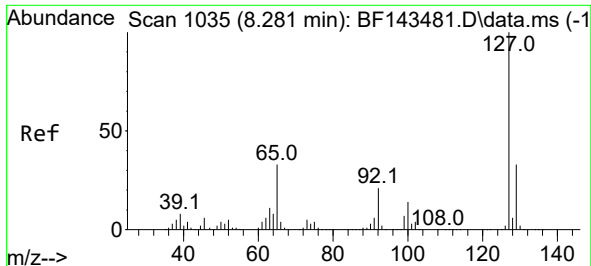
Ion Ratio Lower Upper

122 100

105 126.5 104.7 144.7

77 96.4 77.3 117.3

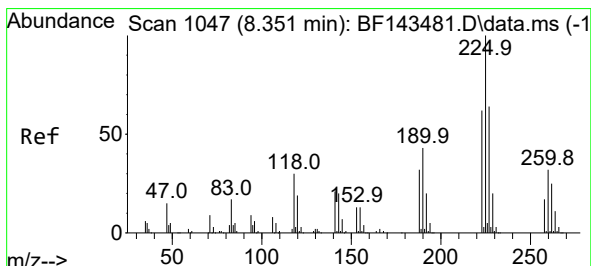
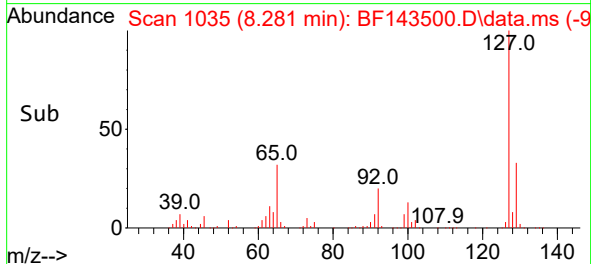
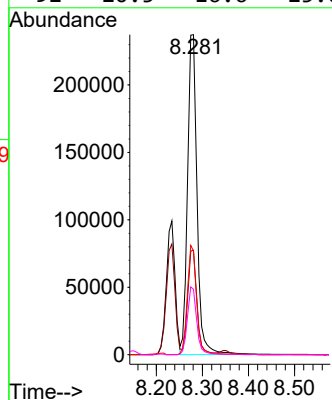
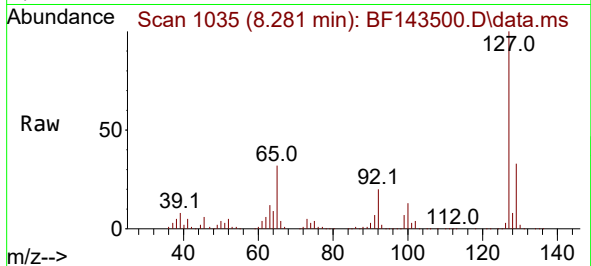




#33
4-Chloroaniline
Concen: 40.362 ng
RT: 8.281 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

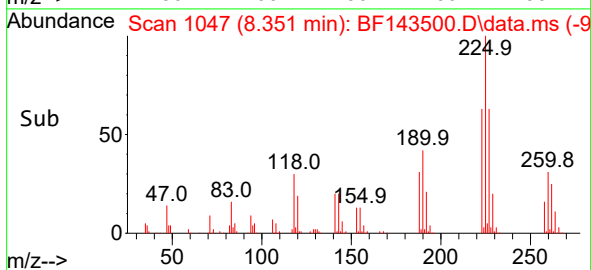
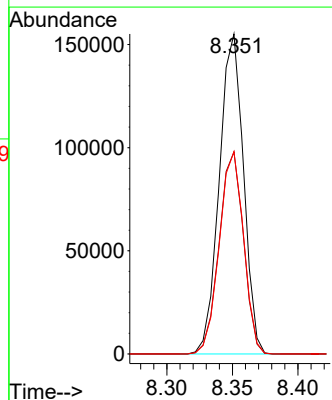
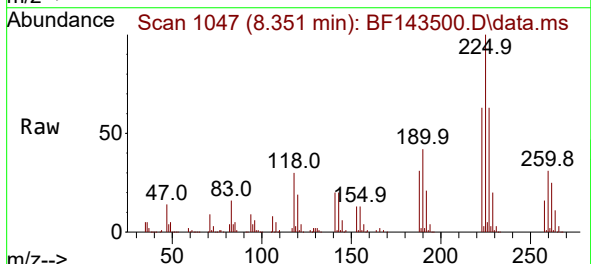
Instrument :
BNA_F
ClientSampleId :
PB169223BS

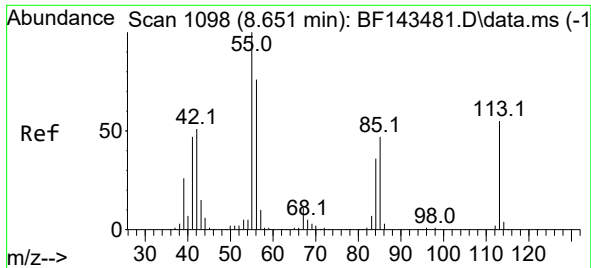
Tgt Ion:127 Resp: 338991
Ion Ratio Lower Upper
127 100
129 32.6 26.1 39.1
65 32.5 26.2 39.2
92 20.5 16.6 25.0



#34
Hexachlorobutadiene
Concen: 41.793 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:225 Resp: 198748
Ion Ratio Lower Upper
225 100
223 63.1 49.9 74.9
227 63.2 50.9 76.3

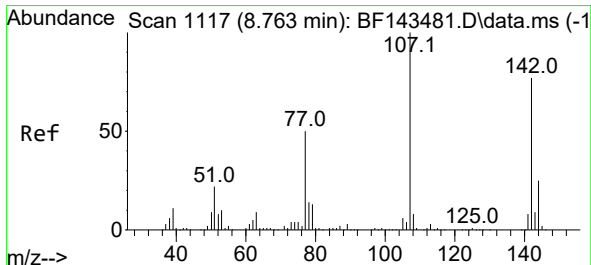
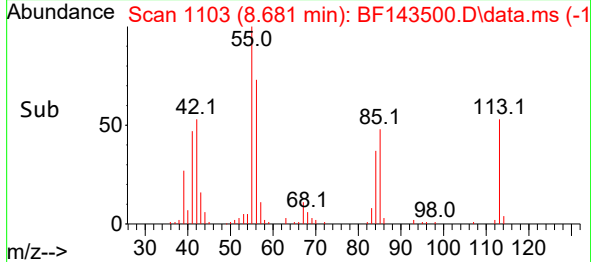
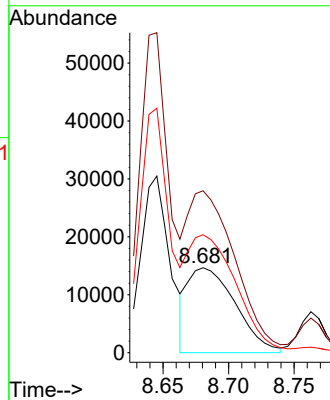
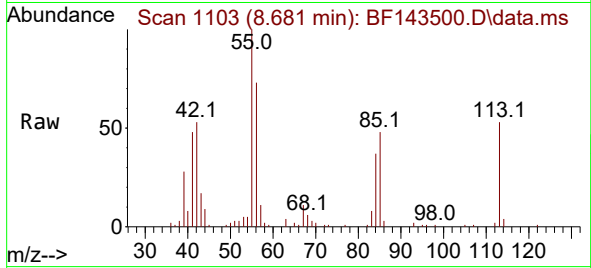




#35
 Caprolactam
 Concen: 21.841 ng
 RT: 8.681 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

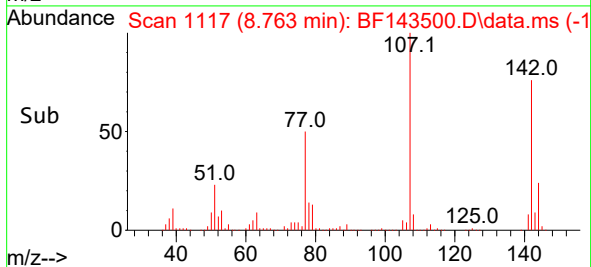
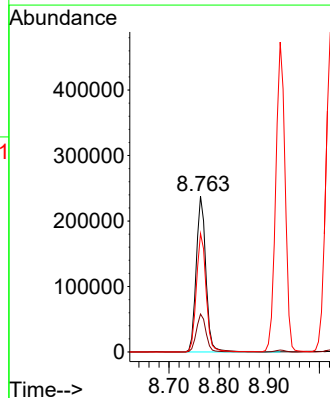
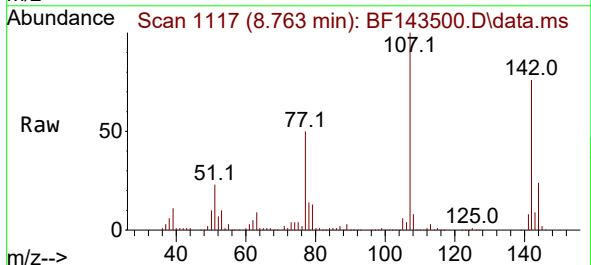
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS

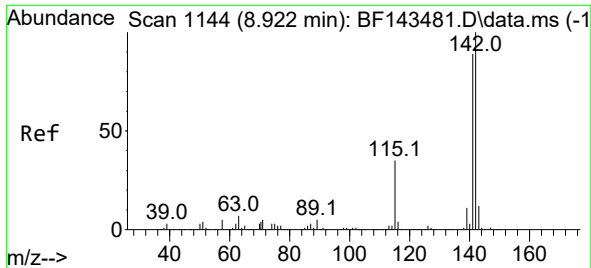
Tgt Ion:113 Resp: 37156
 Ion Ratio Lower Upper
 113 100
 55 190.4 162.8 202.8
 56 138.7 118.1 158.1



#36
 4-Chloro-3-methylphenol
 Concen: 44.738 ng
 RT: 8.763 min Scan# 1117
 Delta R.T. -0.006 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

Tgt Ion:107 Resp: 317848
 Ion Ratio Lower Upper
 107 100
 144 24.3 19.9 29.9
 142 75.9 61.8 92.8

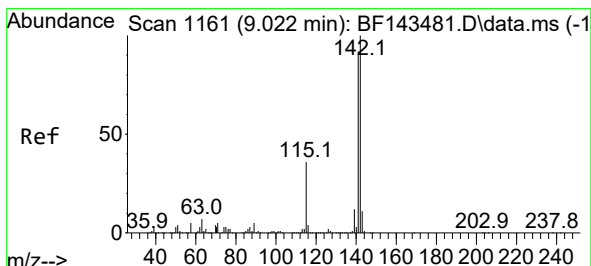
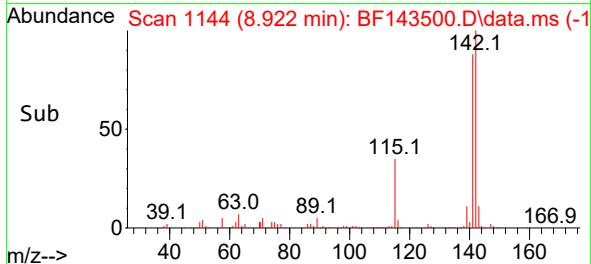
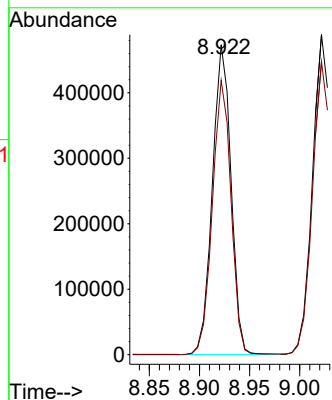
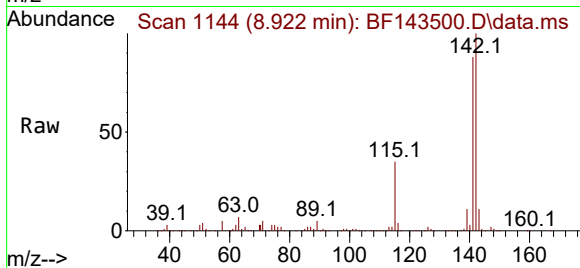




#37
2-Methylnaphthalene
Concen: 38.588 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

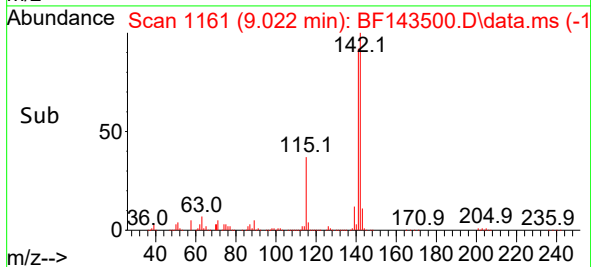
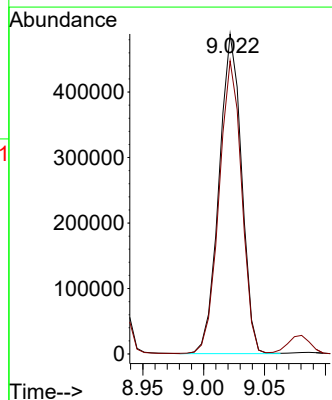
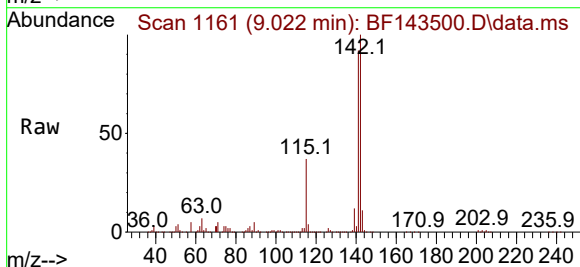
Instrument :
BNA_F
ClientSampleId :
PB169223BS

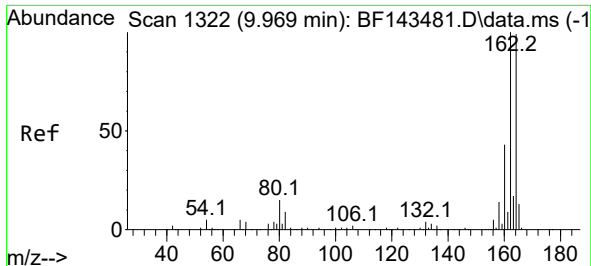
Tgt Ion:142 Resp: 609862
Ion Ratio Lower Upper
142 100
141 88.5 71.0 106.4



#38
1-Methylnaphthalene
Concen: 41.560 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:142 Resp: 628292
Ion Ratio Lower Upper
142 100
141 91.6 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

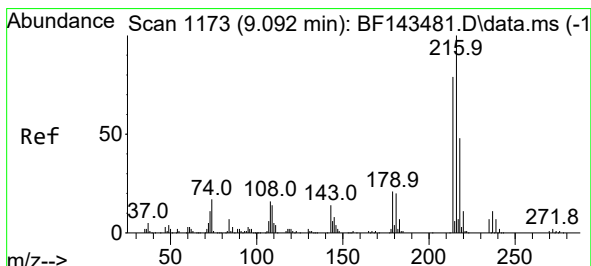
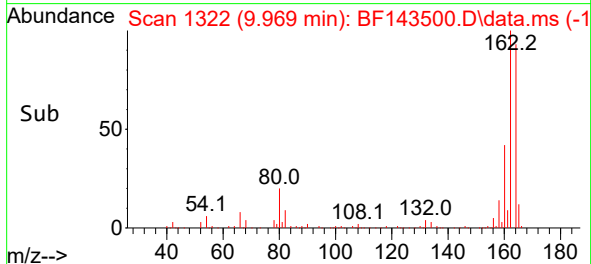
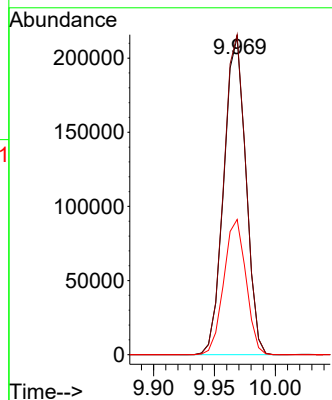
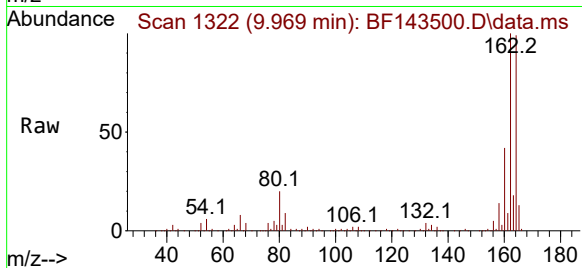
Tgt Ion:164 Resp: 270237

Ion Ratio Lower Upper

164 100

162 100.8 80.5 120.7

160 42.6 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.123 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Tgt Ion:216 Resp: 325599

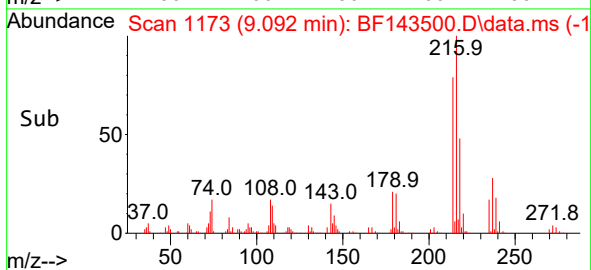
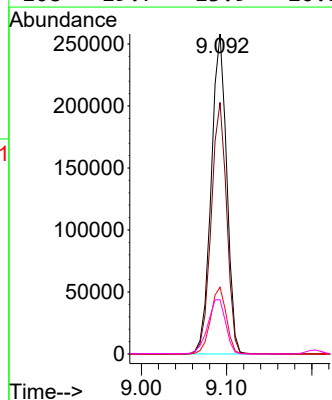
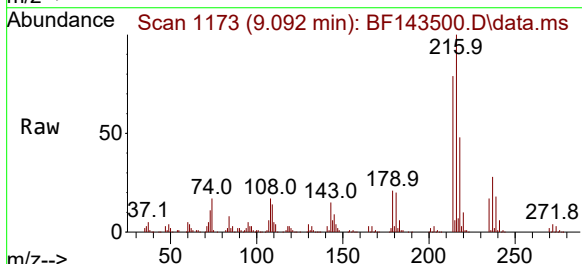
Ion Ratio Lower Upper

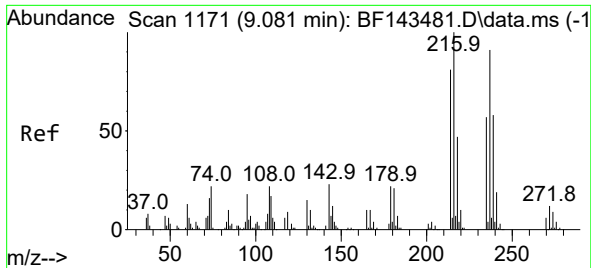
216 100

214 78.6 63.4 95.0

179 21.1 16.5 24.7

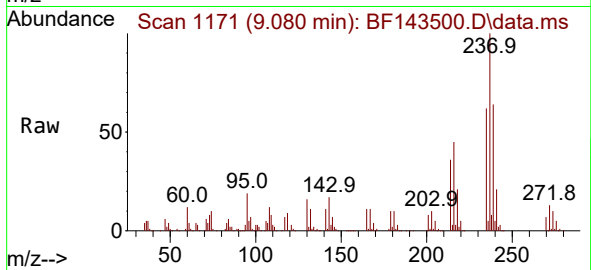
108 19.7 13.9 20.9





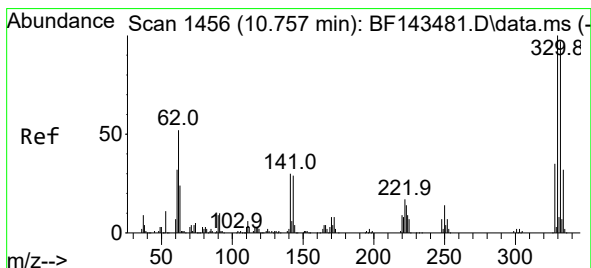
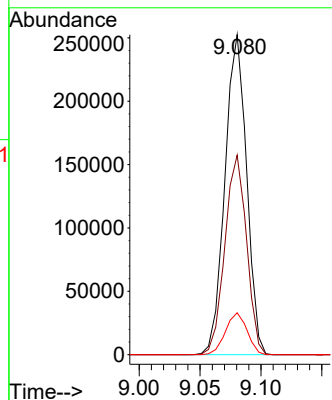
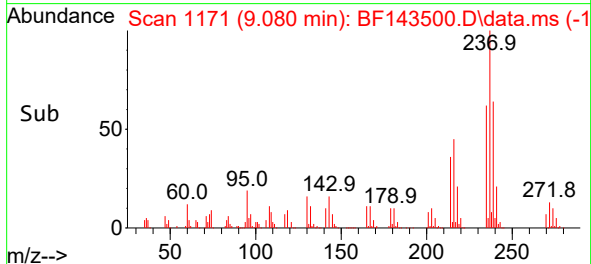
#41
Hexachlorocyclopentadiene
Concen: 102.172 ng
RT: 9.080 min Scan# 1171
Delta R.T. -0.001 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Instrument :
BNA_F
ClientSampleId :
PB169223BS

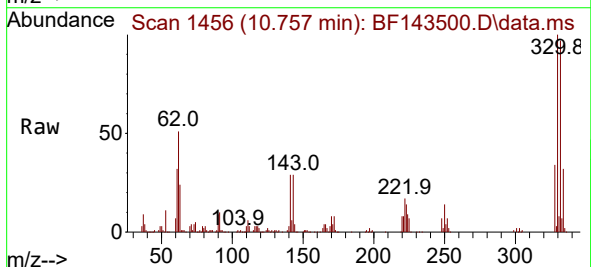


Tgt Ion: 237 Resp: 312701

Ion	Ratio	Lower	Upper
237	100		
235	62.4	42.6	82.6
272	13.1	0.0	33.4

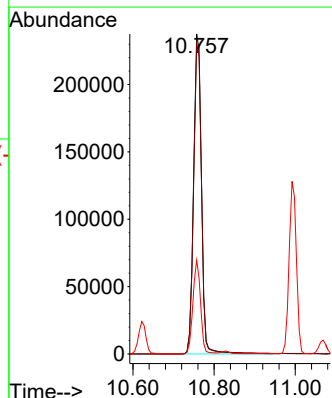
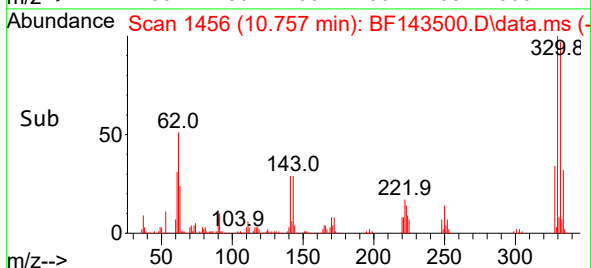


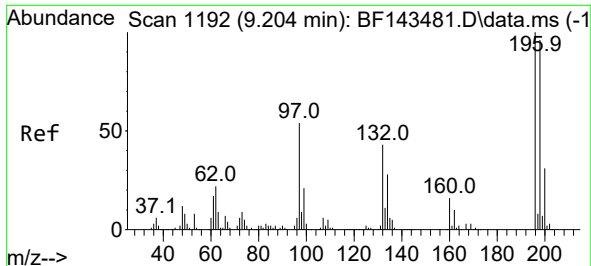
#42
2,4,6-Tribromophenol
Concen: 128.193 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion: 330 Resp: 322470

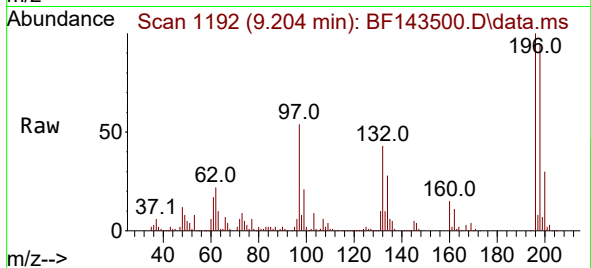
Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.0	117.0
141	28.1	23.7	35.5



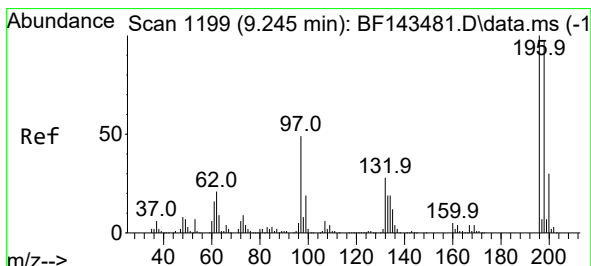
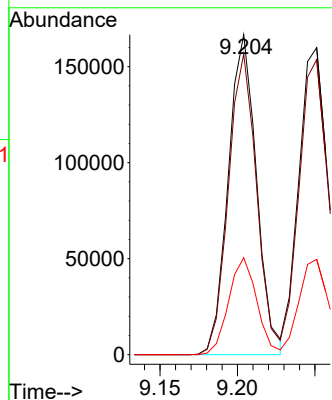
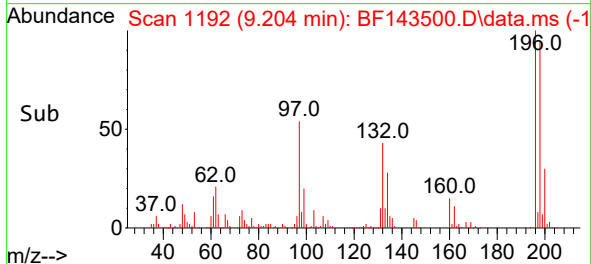


#43
2,4,6-Trichlorophenol
Concen: 44.423 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

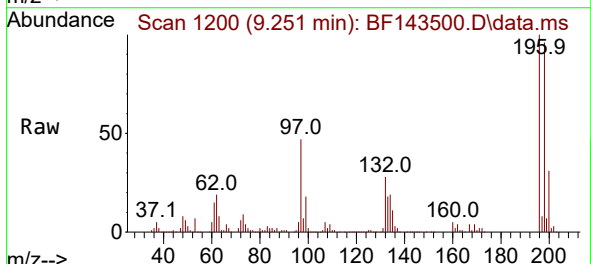
Instrument :
BNA_F
ClientSampleId :
PB169223BS



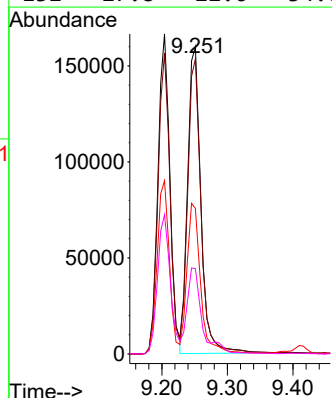
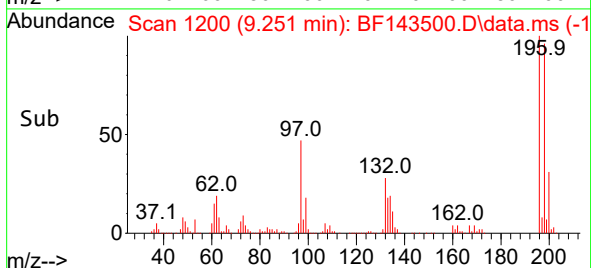
Tgt Ion:196 Resp: 211292
Ion Ratio Lower Upper
196 100
198 94.0 77.0 115.4
200 30.3 24.6 37.0

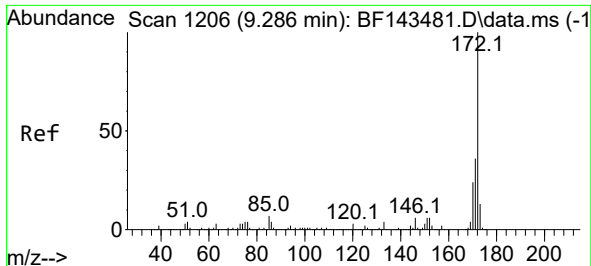


#44
2,4,5-Trichlorophenol
Concen: 43.200 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03



Tgt Ion:196 Resp: 224442
Ion Ratio Lower Upper
196 100
198 96.1 77.3 115.9
97 47.4 40.0 60.0
132 27.8 22.6 34.0

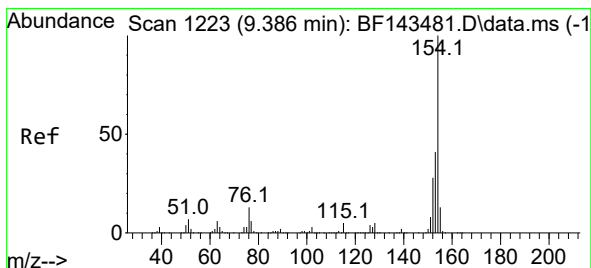
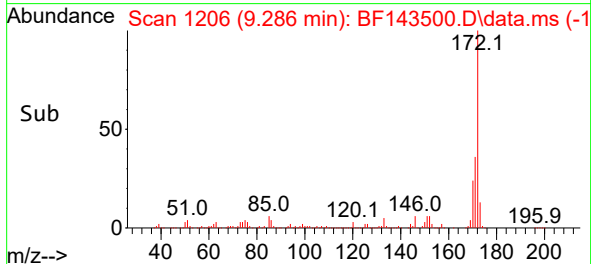
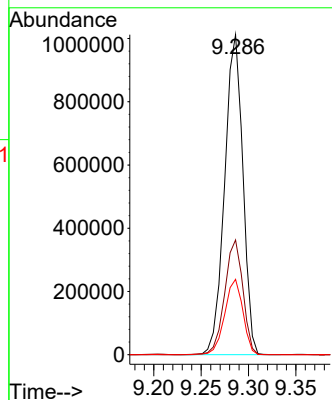
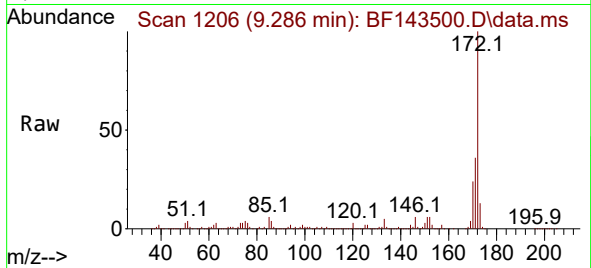




#45
2-Fluorobiphenyl
Concen: 82.919 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

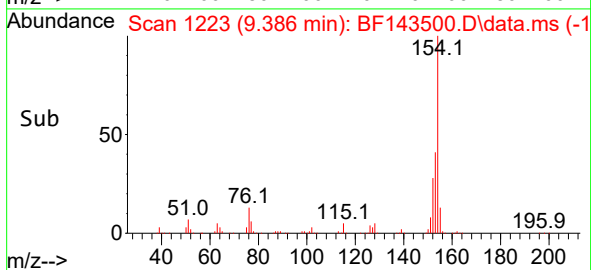
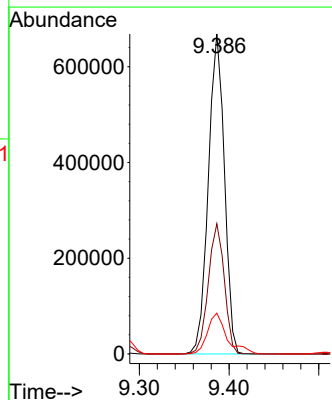
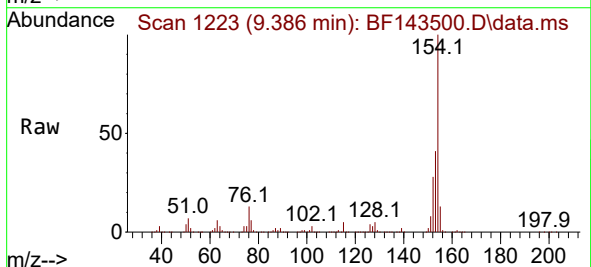
Instrument :
BNA_F
ClientSampleId :
PB169223BS

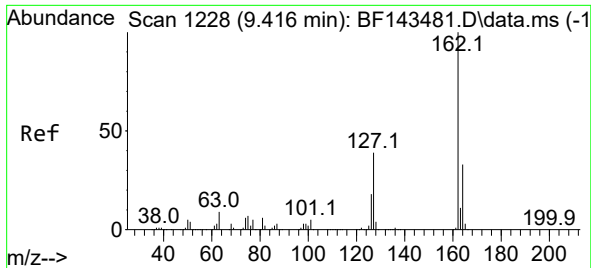
Tgt Ion:172 Resp: 1355856
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.6 18.8 28.2



#46
1,1'-Biphenyl
Concen: 43.331 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:154 Resp: 831130
Ion Ratio Lower Upper
154 100
153 40.7 20.6 60.6
76 12.8 0.0 33.0

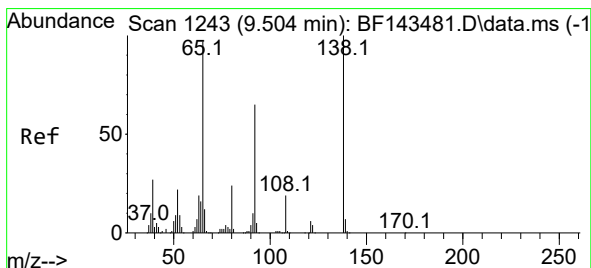
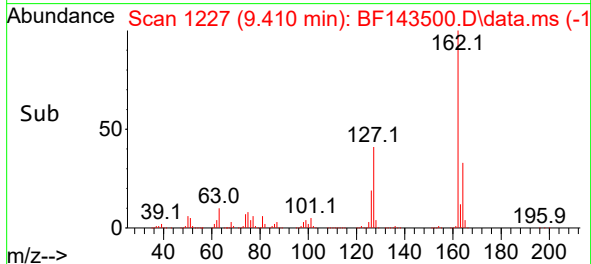
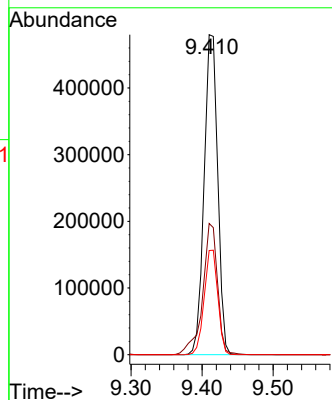
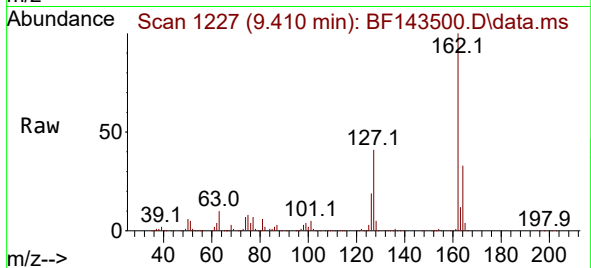




#47
2-Chloronaphthalene
Concen: 42.690 ng
RT: 9.410 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

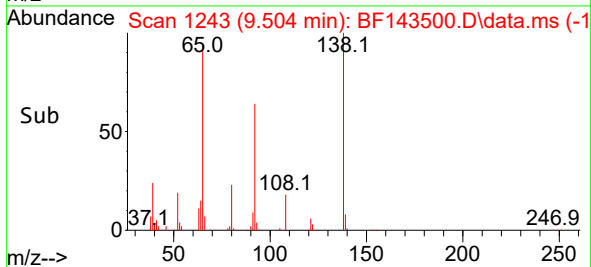
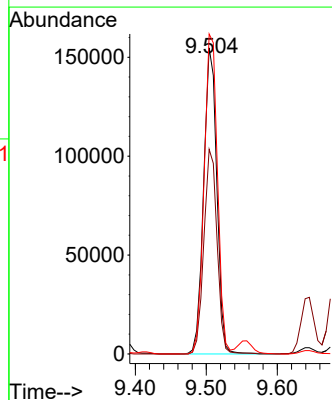
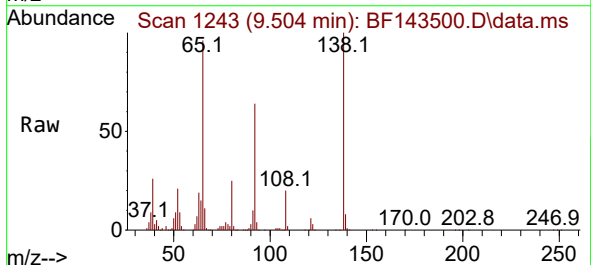
Instrument :
BNA_F
ClientSampleId :
PB169223BS

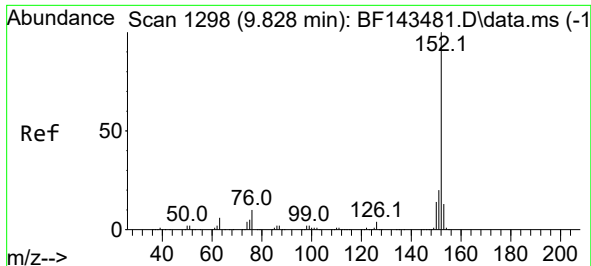
Tgt Ion:162 Resp: 642470
Ion Ratio Lower Upper
162 100
127 41.0 31.8 47.6
164 32.6 26.4 39.6



#48
2-Nitroaniline
Concen: 45.656 ng
RT: 9.504 min Scan# 1243
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion: 65 Resp: 201092
Ion Ratio Lower Upper
65 100
92 66.9 53.8 80.6
138 104.5 82.4 123.6





#49

Acenaphthylene

Concen: 47.720 ng

RT: 9.827 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

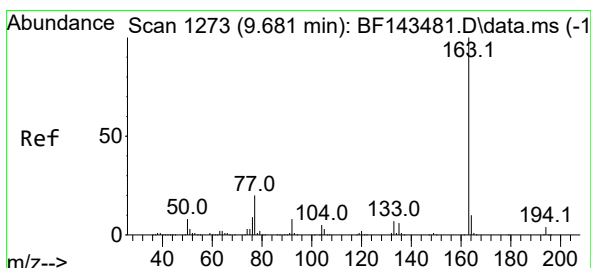
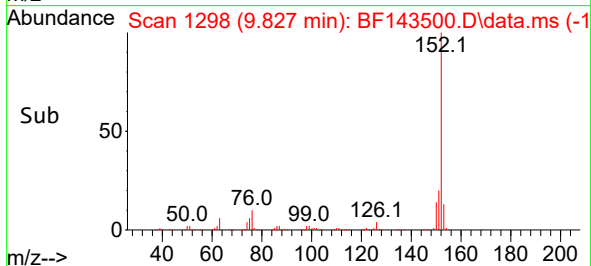
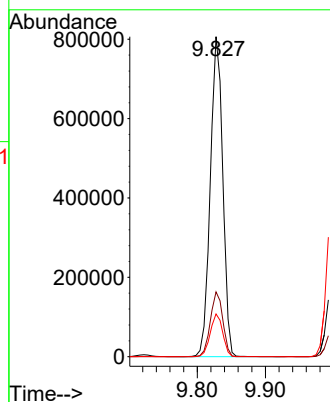
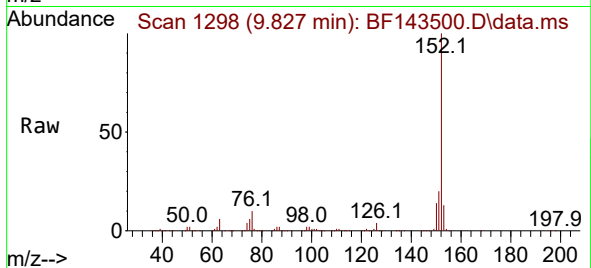
Tgt Ion:152 Resp: 1028329

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

153 13.4 10.6 15.8



#50

Dimethylphthalate

Concen: 45.777 ng

RT: 9.686 min Scan# 1274

Delta R.T. 0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

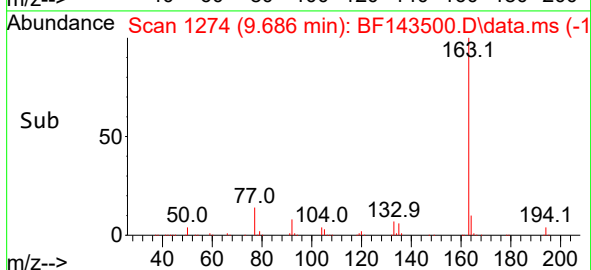
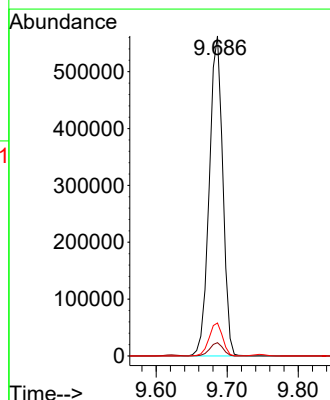
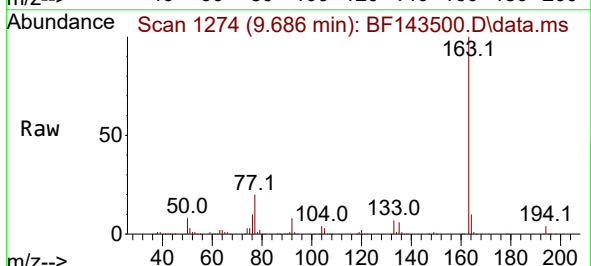
Tgt Ion:163 Resp: 745057

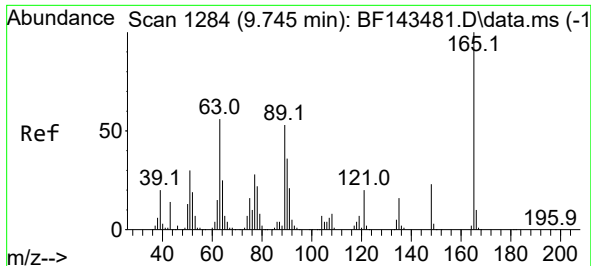
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.3 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 47.445 ng

RT: 9.745 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

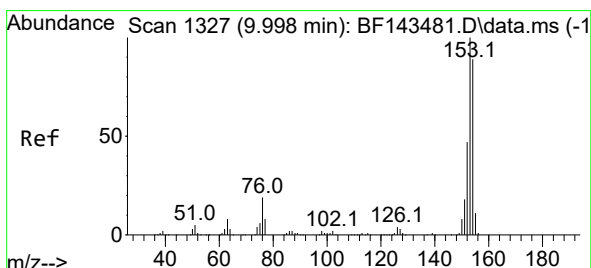
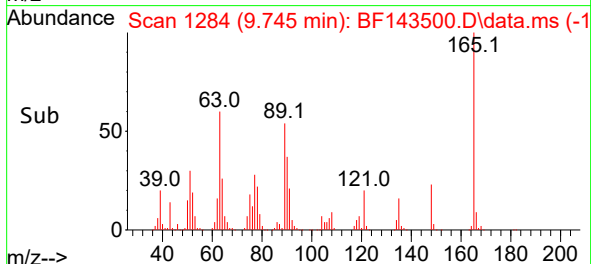
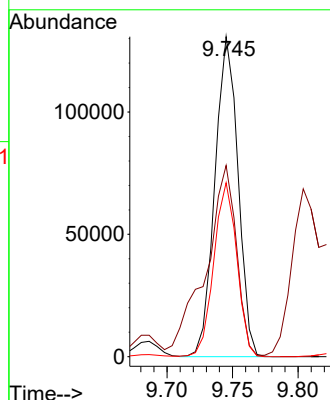
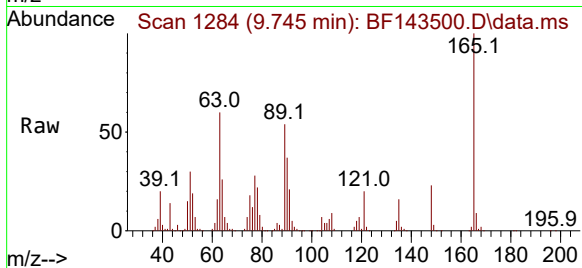
Tgt Ion:165 Resp: 160042

Ion Ratio Lower Upper

165 100

63 59.7 45.0 67.6

89 54.3 42.5 63.7



#52

Acenaphthene

Concen: 45.591 ng

RT: 10.004 min Scan# 1328

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

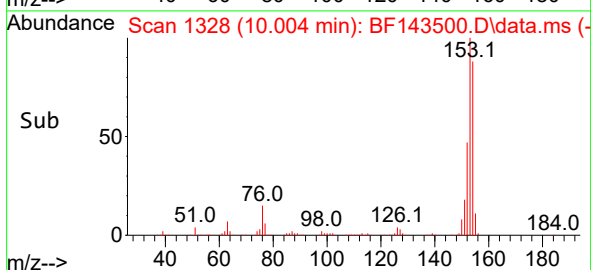
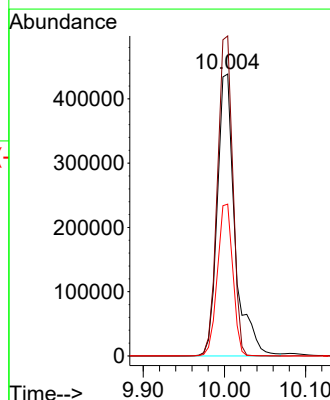
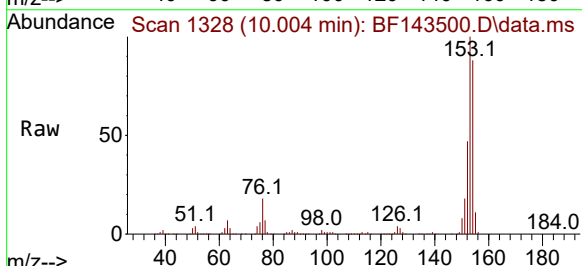
Tgt Ion:154 Resp: 667045

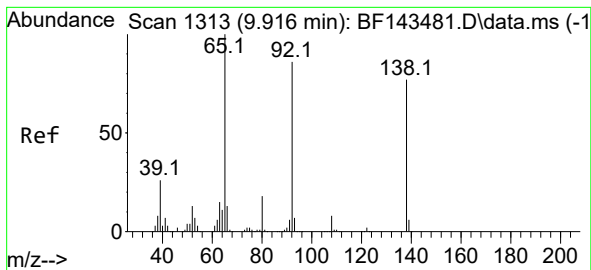
Ion Ratio Lower Upper

154 100

153 113.5 89.5 134.3

152 53.9 42.5 63.7





#53

3-Nitroaniline

Concen: 39.586 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

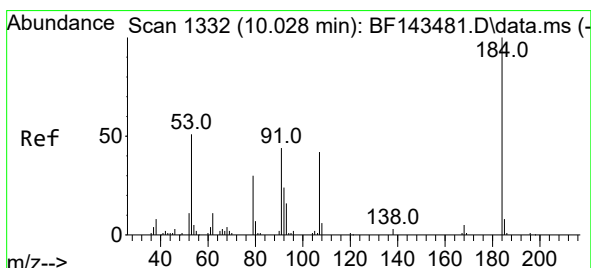
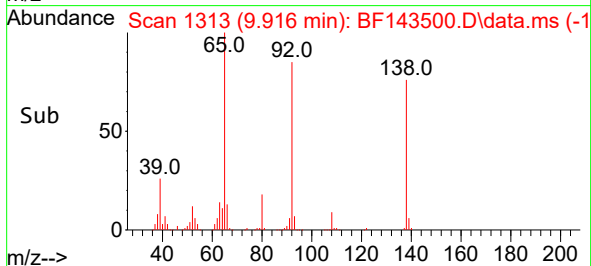
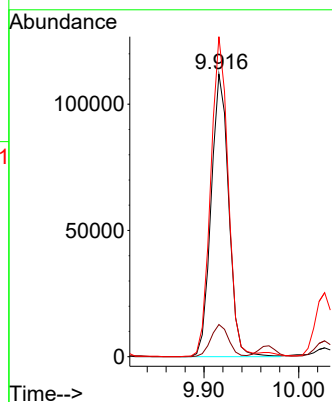
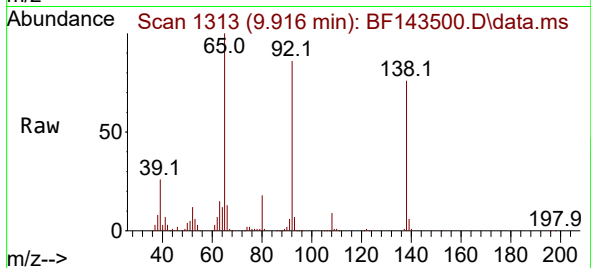
Tgt Ion:138 Resp: 144290

Ion Ratio Lower Upper

138 100

108 11.4 8.6 13.0

92 113.3 89.8 134.8



#54

2,4-Dinitrophenol

Concen: 76.758 ng

RT: 10.027 min Scan# 1332

Delta R.T. -0.001 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

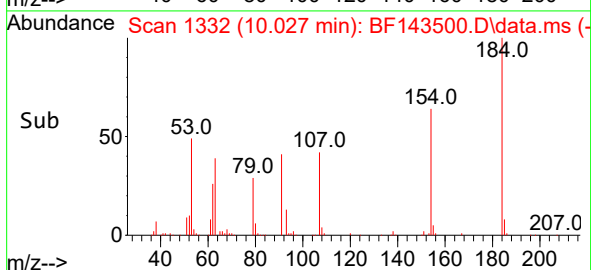
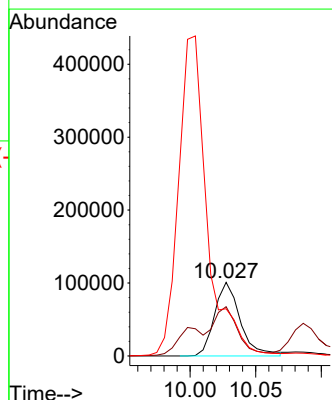
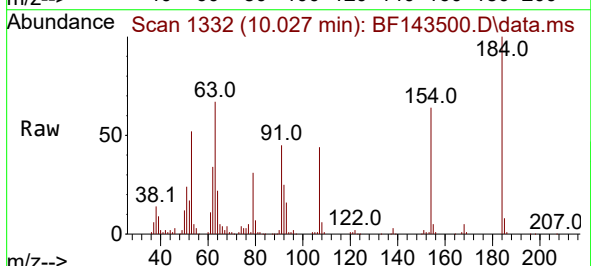
Tgt Ion:184 Resp: 138052

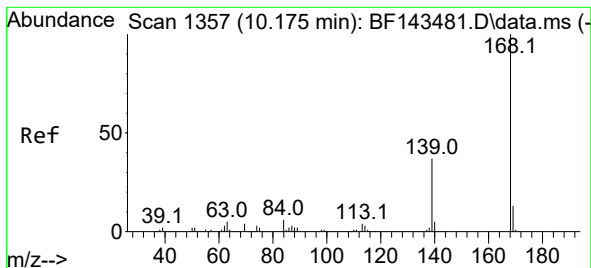
Ion Ratio Lower Upper

184 100

63 67.0 52.6 78.8

154 64.2 51.0 76.4





#55

Dibenzofuran

Concen: 43.227 ng

RT: 10.175 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

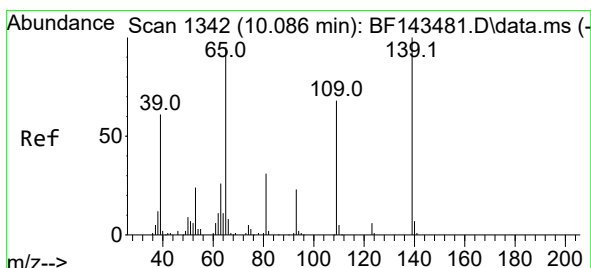
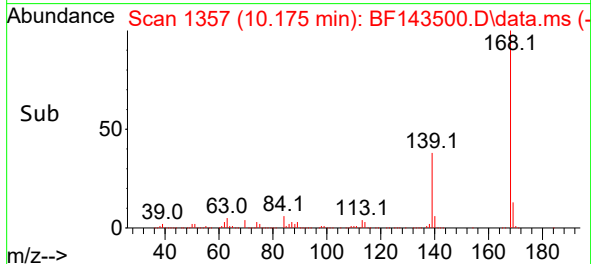
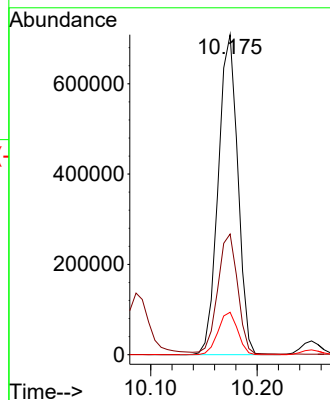
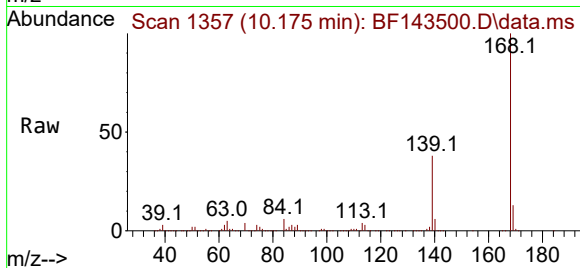
Tgt Ion:168 Resp: 901702

Ion Ratio Lower Upper

168 100

139 37.7 29.8 44.6

169 13.3 10.8 16.2



#56

4-Nitrophenol

Concen: 92.862 ng

RT: 10.086 min Scan# 1342

Delta R.T. 0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

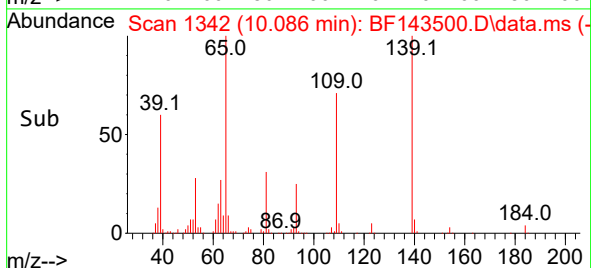
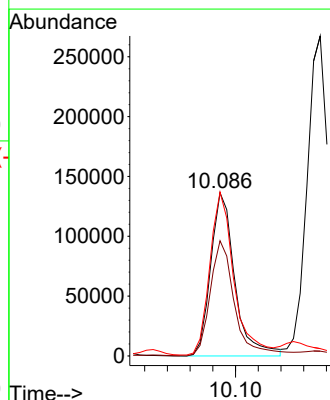
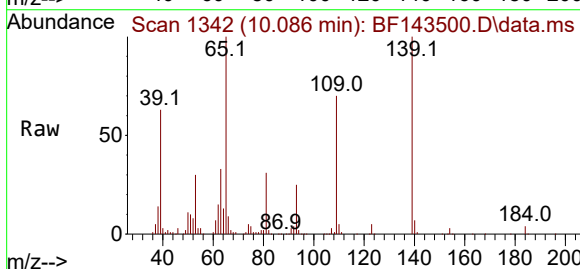
Tgt Ion:139 Resp: 201396

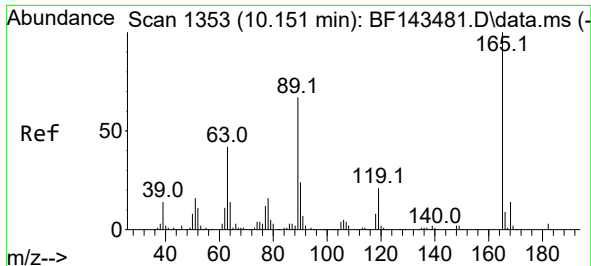
Ion Ratio Lower Upper

139 100

109 70.6 48.2 88.2

65 100.4 75.8 115.8

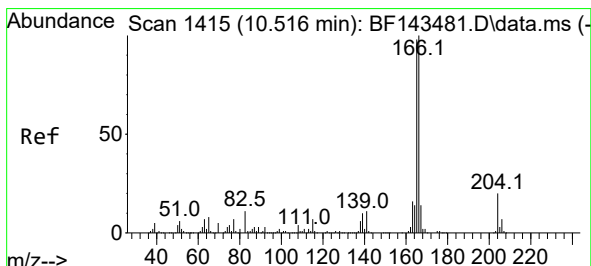
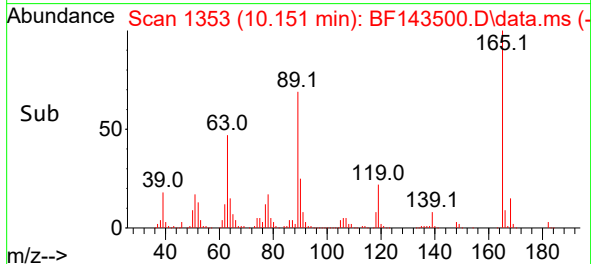
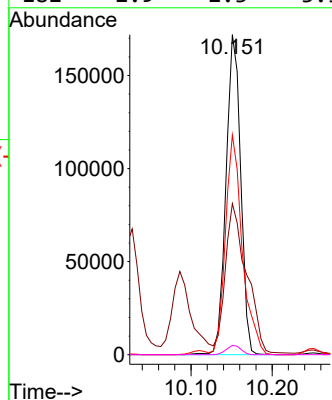
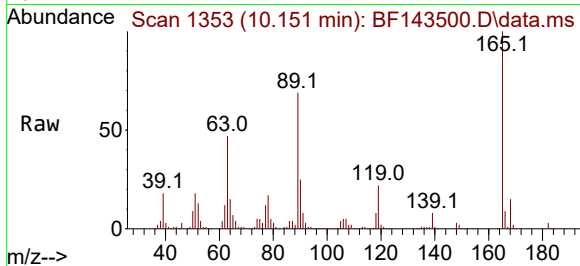




#57
2,4-Dinitrotoluene
Concen: 48.035 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

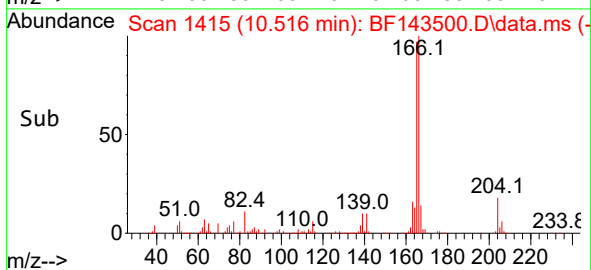
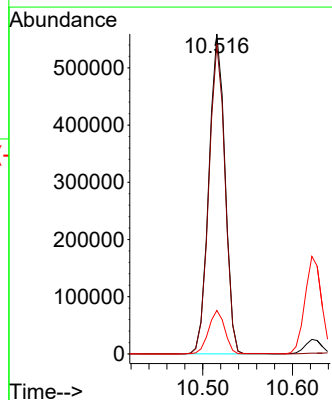
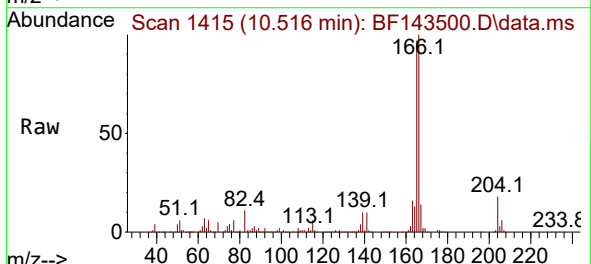
Instrument :
BNA_F
ClientSampleId :
PB169223BS

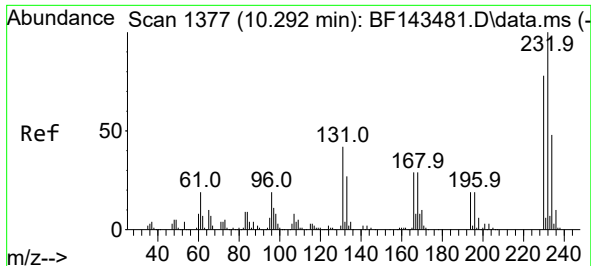
Tgt Ion:165 Resp: 216352
Ion Ratio Lower Upper
165 100
63 47.2 34.9 52.3
89 68.6 53.3 79.9
182 2.9 2.3 3.5



#58
Fluorene
Concen: 43.405 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:166 Resp: 696847
Ion Ratio Lower Upper
166 100
165 96.8 78.3 117.5
167 13.6 11.0 16.4

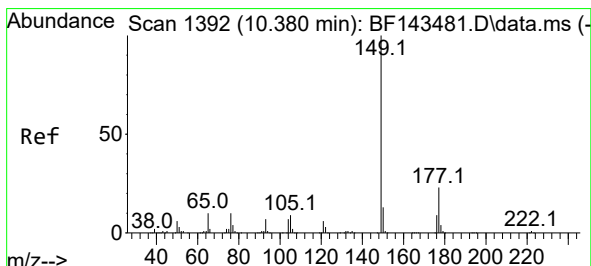
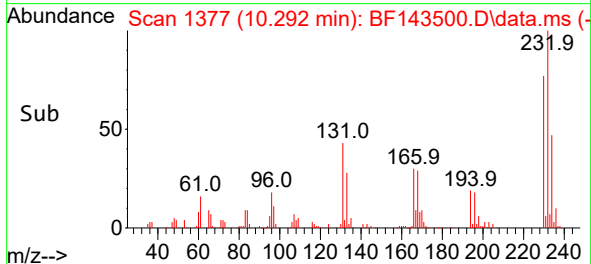
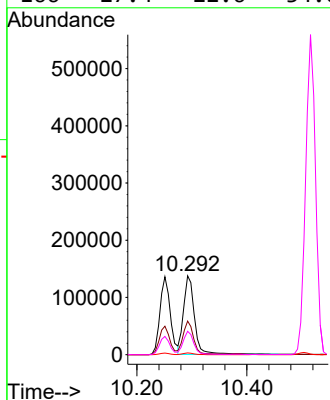
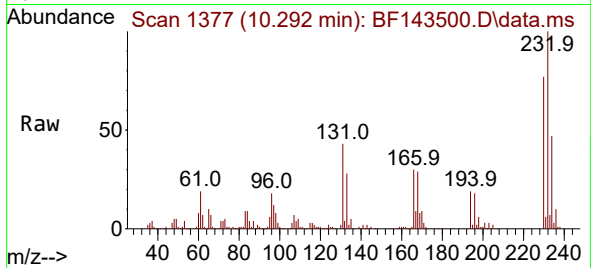




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.253 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

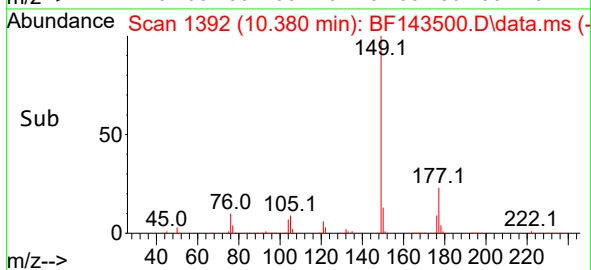
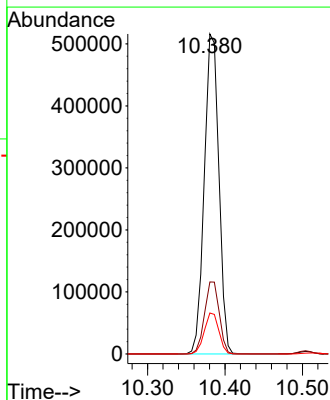
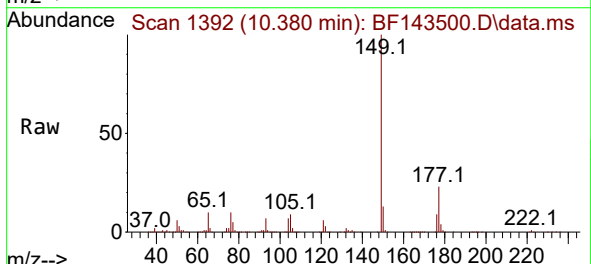
Instrument :
BNA_F
ClientSampleId :
PB169223BS

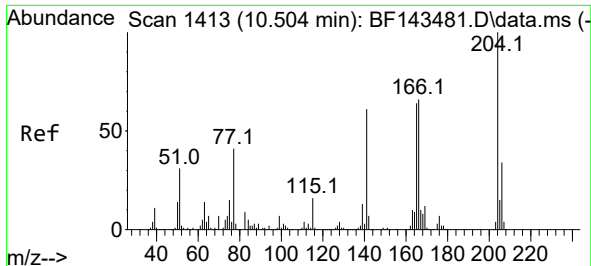
Tgt Ion:232 Resp: 190110
Ion Ratio Lower Upper
232 100
131 41.5 32.7 49.1
130 2.1 1.6 2.4
166 27.4 22.6 34.0



#60
Diethylphthalate
Concen: 46.264 ng
RT: 10.380 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:149 Resp: 675090
Ion Ratio Lower Upper
149 100
177 22.5 18.3 27.5
150 12.8 10.3 15.5

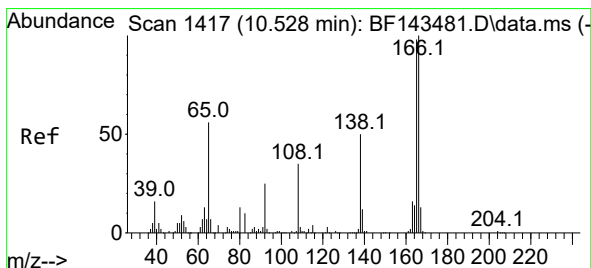
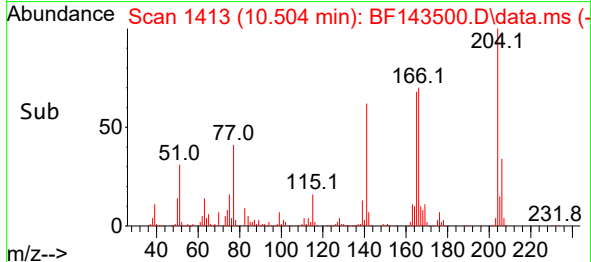
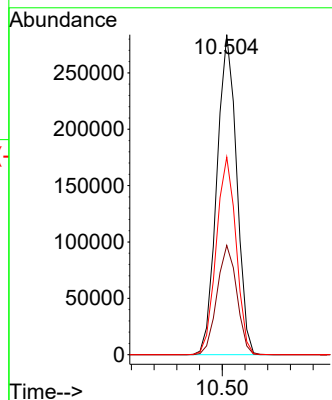
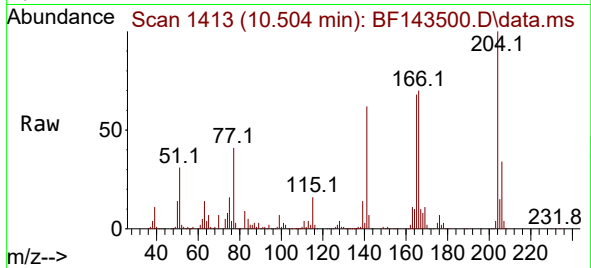




#61
4-Chlorophenyl-phenylether
Concen: 42.770 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

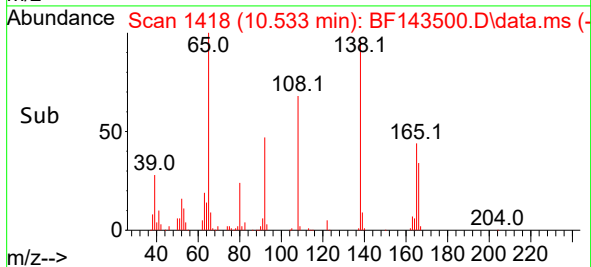
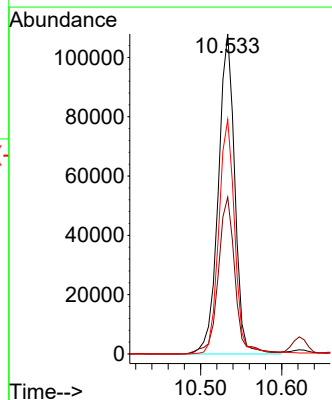
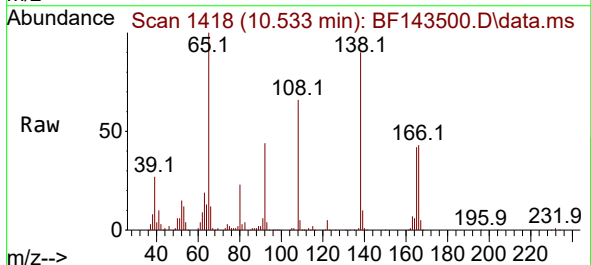
Instrument :
BNA_F
ClientSampleId :
PB169223BS

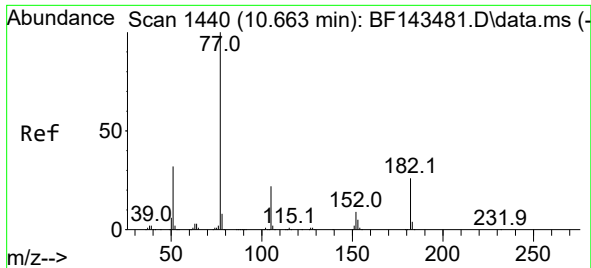
Tgt Ion:204 Resp: 343405
Ion Ratio Lower Upper
204 100
206 34.2 27.0 40.4
141 61.8 48.7 73.1



#62
4-Nitroaniline
Concen: 45.645 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:138 Resp: 152819
Ion Ratio Lower Upper
138 100
92 49.0 29.3 69.3
108 73.3 50.7 90.7

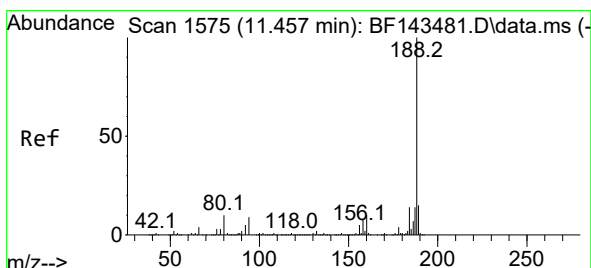
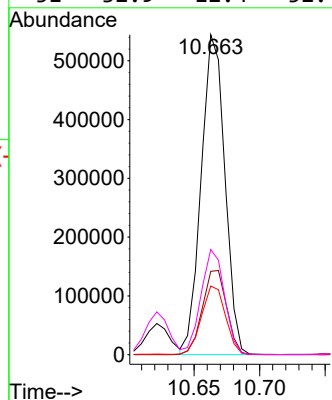
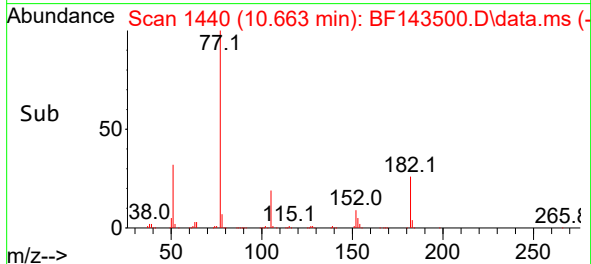
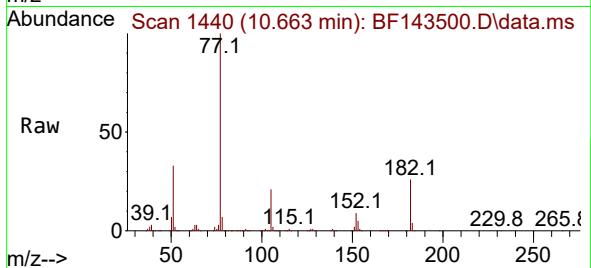




#63
 Azobenzene
 Concen: 45.223 ng
 RT: 10.663 min Scan# 1440
 Delta R.T. -0.006 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

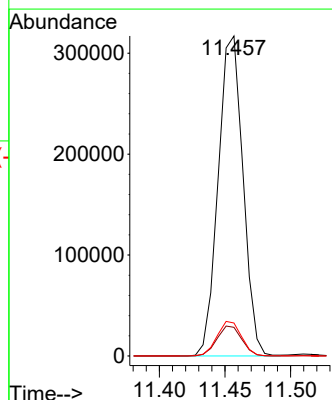
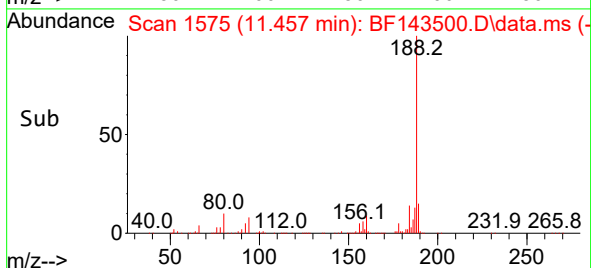
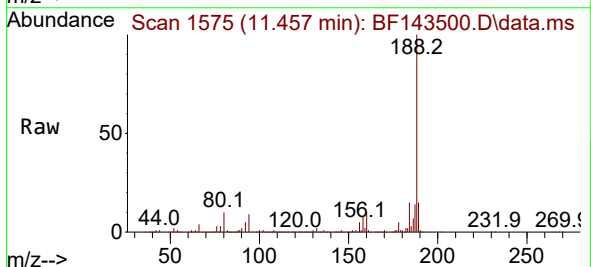
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS

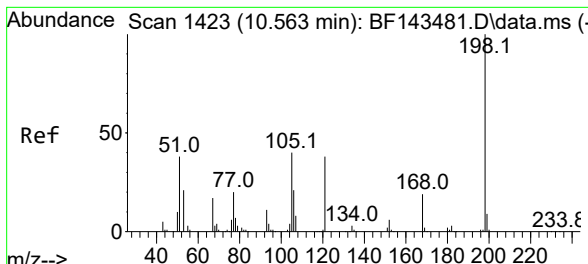
Tgt Ion: 77	Resp: 684241
Ion Ratio	Lower Upper
77 100	
182 26.0	6.2 46.2
105 21.5	2.2 42.2
51 32.9	12.4 52.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.457 min Scan# 1575
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

Tgt Ion:188	Resp: 416818
Ion Ratio	Lower Upper
188 100	
94 9.0	7.4 11.2
80 10.3	8.2 12.4



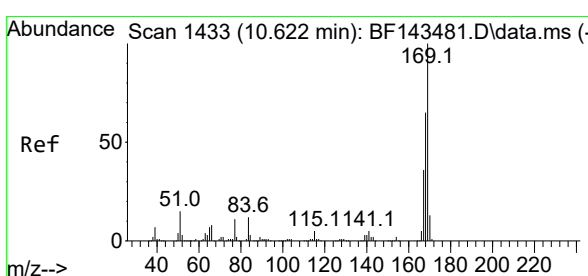
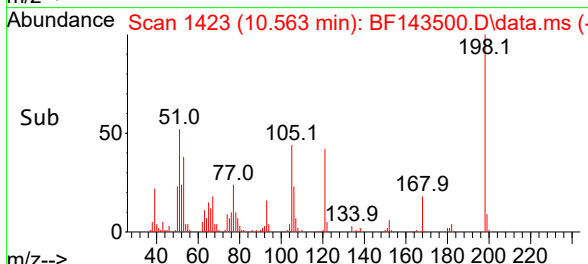
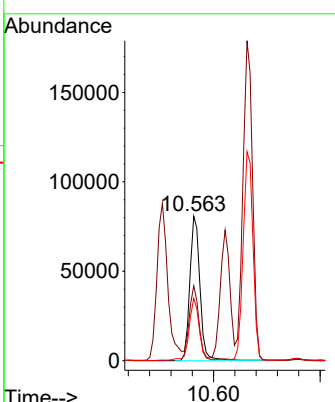
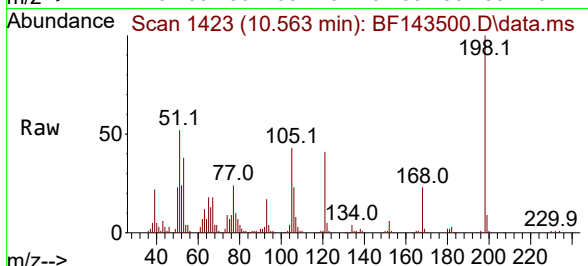


#65
 4,6-Dinitro-2-methylphenol
 Concen: 45.701 ng
 RT: 10.563 min Scan# 1423
 Delta R.T. -0.006 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS

Tgt Ion:198 Resp: 107407

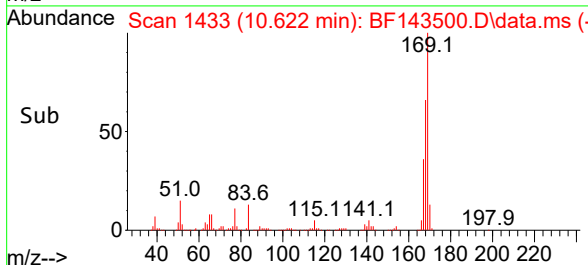
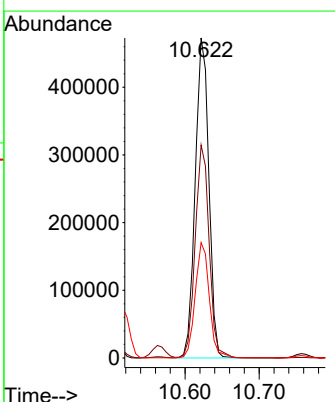
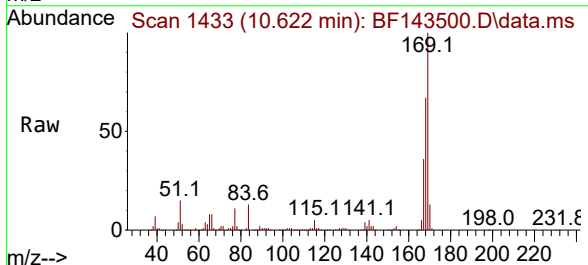
Ion	Ratio	Lower	Upper
198	100		
51	51.8	29.6	69.6
105	43.1	21.5	61.5

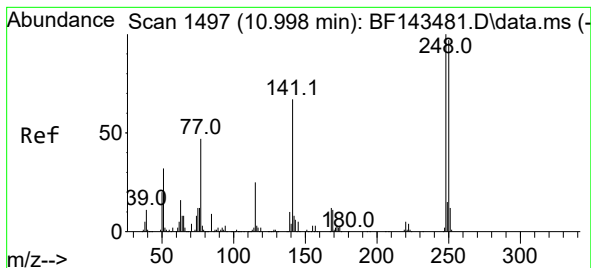


#66
 n-Nitrosodiphenylamine
 Concen: 44.973 ng
 RT: 10.622 min Scan# 1433
 Delta R.T. -0.006 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

Tgt Ion:169 Resp: 603271

Ion	Ratio	Lower	Upper
169	100		
168	66.6	52.4	78.6
167	36.1	28.9	43.3

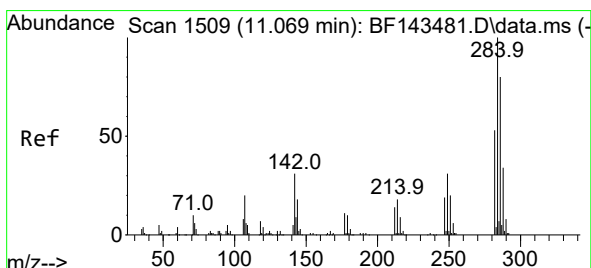
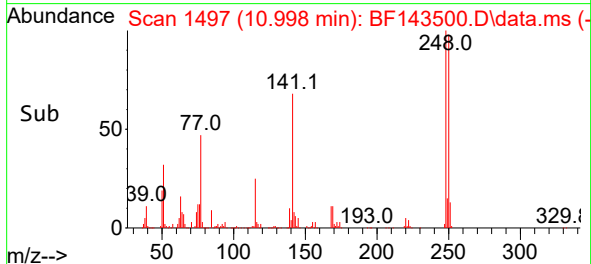
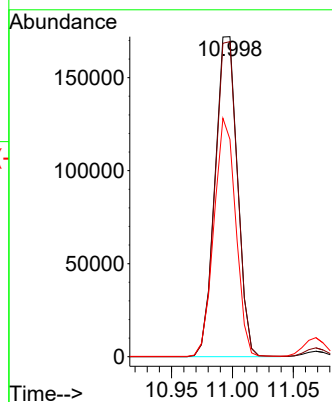
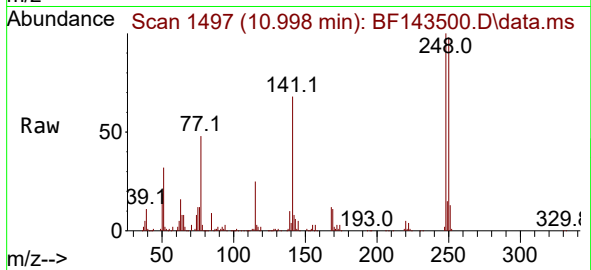




#67
4-Bromophenyl-phenylether
Concen: 44.529 ng
RT: 10.998 min Scan# 1497
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

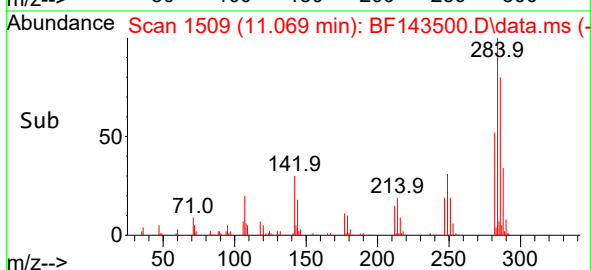
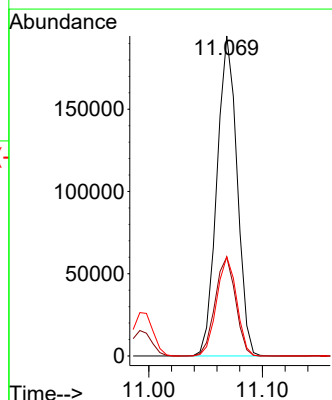
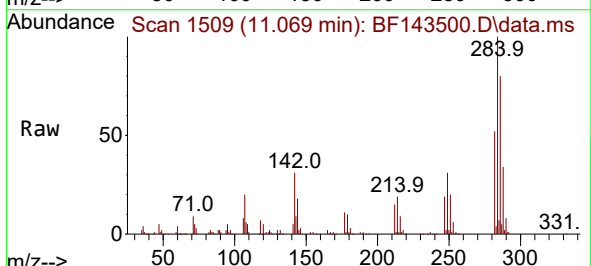
Instrument :
BNA_F
ClientSampleId :
PB169223BS

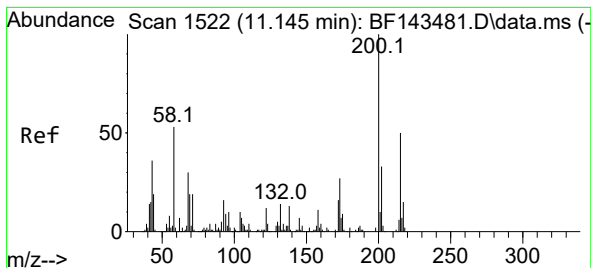
Tgt Ion:248 Resp: 221455
Ion Ratio Lower Upper
248 100
250 98.4 77.8 116.8
141 67.9 54.0 81.0



#68
Hexachlorobenzene
Concen: 44.797 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:284 Resp: 240151
Ion Ratio Lower Upper
284 100
142 30.9 24.4 36.6
249 31.0 25.0 37.6





#69

Atrazine

Concen: 48.496 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

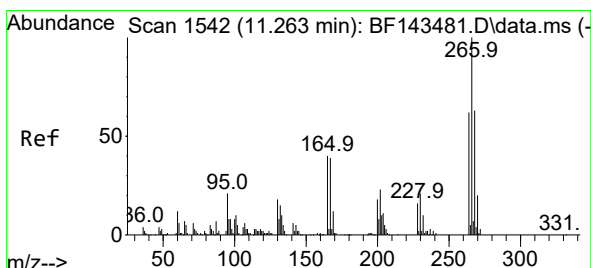
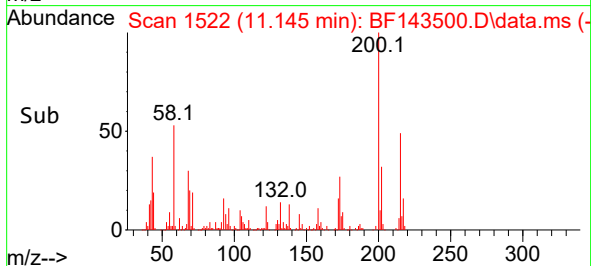
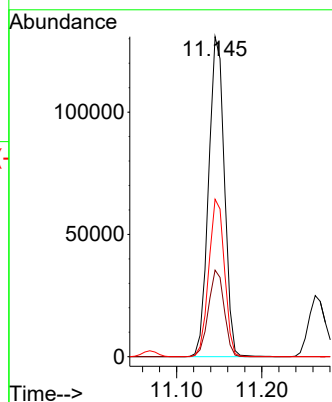
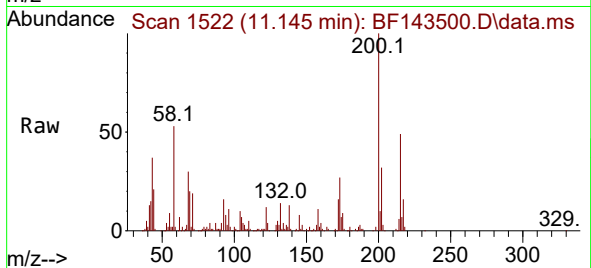
Tgt Ion:200 Resp: 167924

Ion Ratio Lower Upper

200 100

173 27.0 6.9 46.9

215 49.2 30.0 70.0



#70

Pentachlorophenol

Concen: 89.954 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

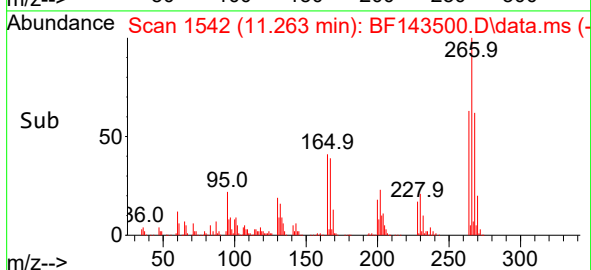
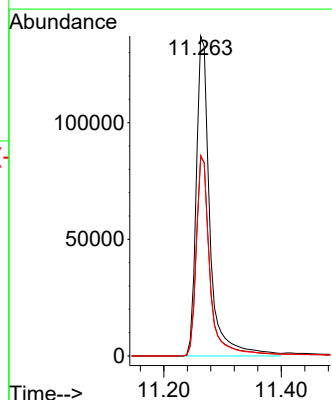
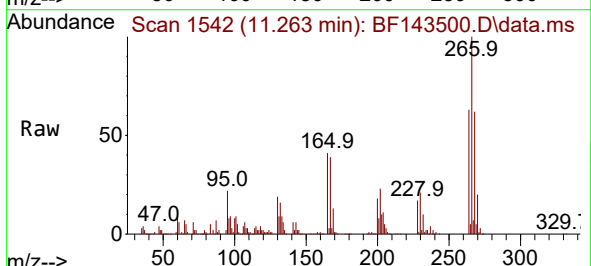
Tgt Ion:266 Resp: 220853

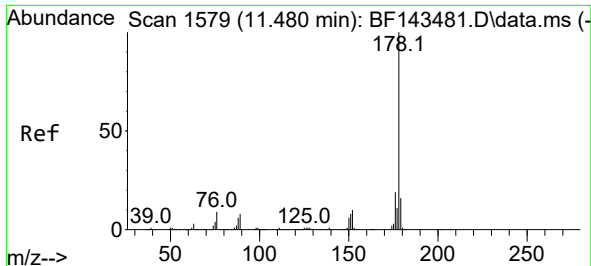
Ion Ratio Lower Upper

266 100

268 62.0 50.5 75.7

264 62.7 49.8 74.8

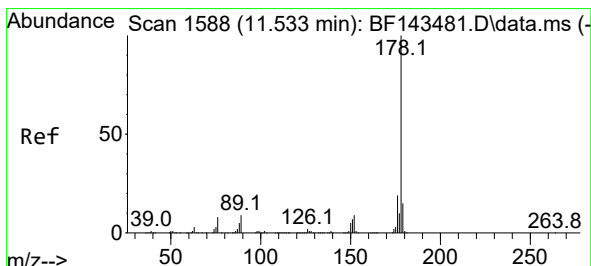
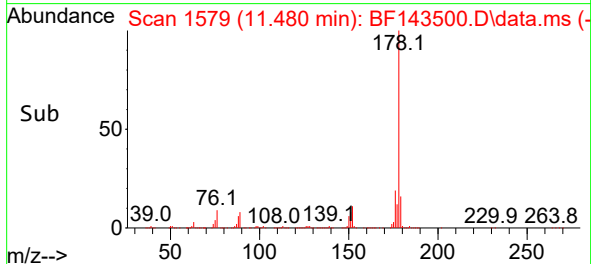
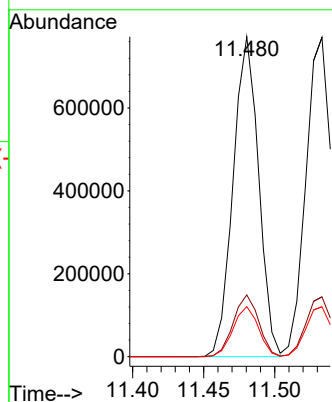
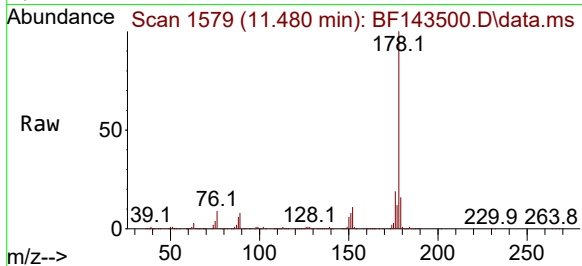




#71
Phenanthrene
Concen: 43.251 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

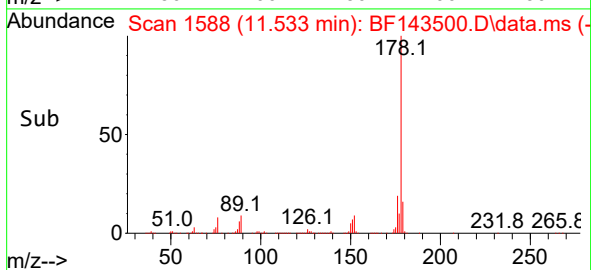
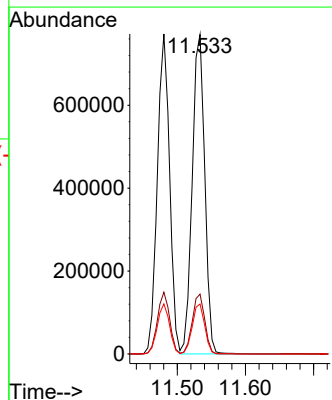
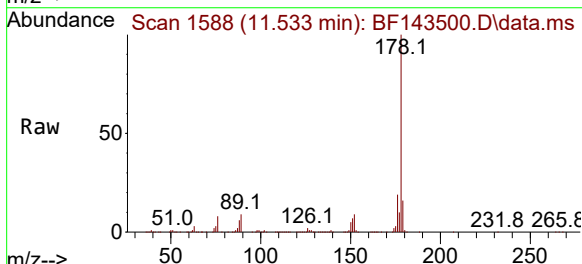
Instrument :
BNA_F
ClientSampleId :
PB169223BS

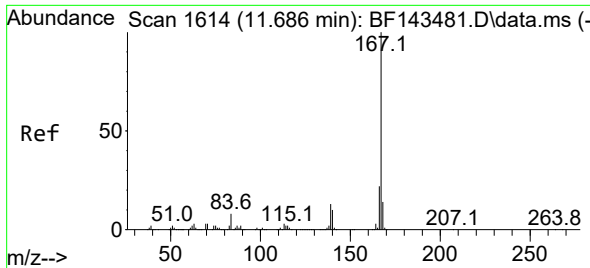
Tgt Ion:178 Resp: 965407
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.7 12.5 18.7



#72
Anthracene
Concen: 43.411 ng
RT: 11.533 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:178 Resp: 981619
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.6 12.3 18.5

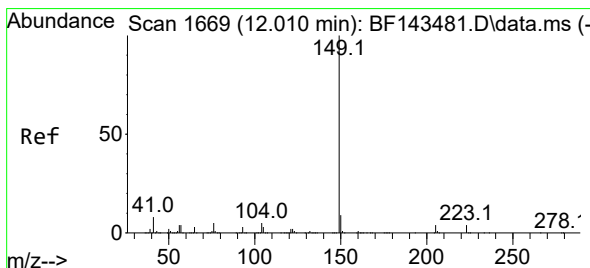
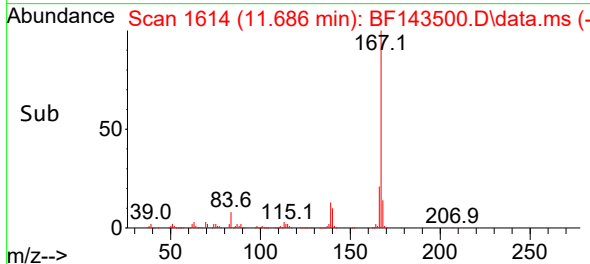
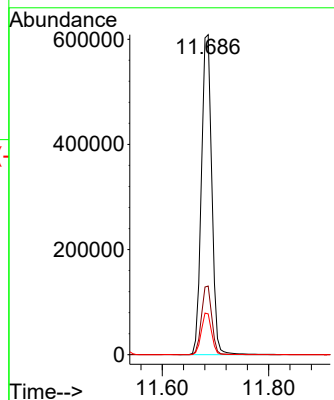
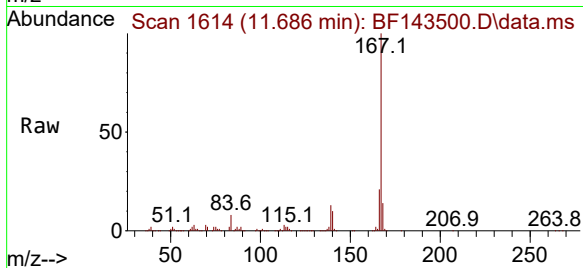




#73
 Carbazole
 Concen: 44.223 ng
 RT: 11.686 min Scan# 1614
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

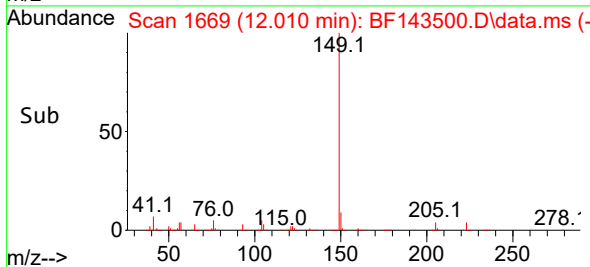
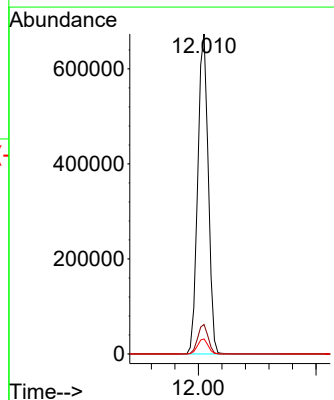
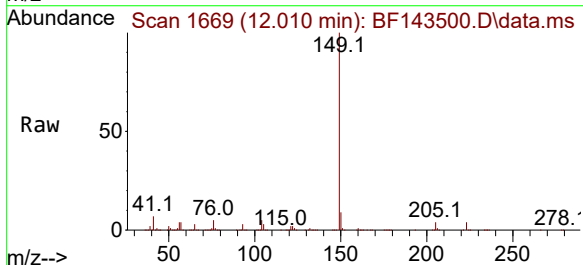
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS

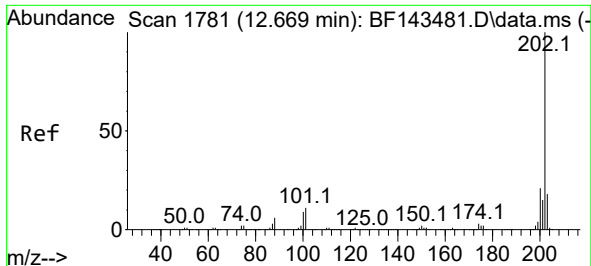
Tgt Ion:167 Resp: 819392
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.3 25.9
 139 12.8 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 48.199 ng
 RT: 12.010 min Scan# 1669
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

Tgt Ion:149 Resp: 833115
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.2 10.8
 104 4.7 3.6 5.4

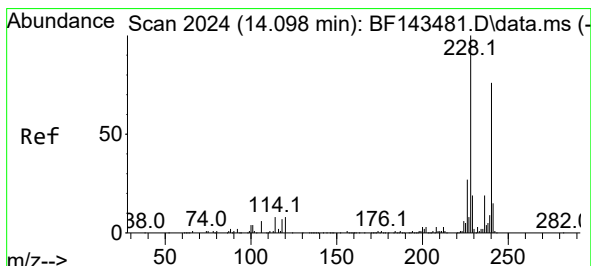
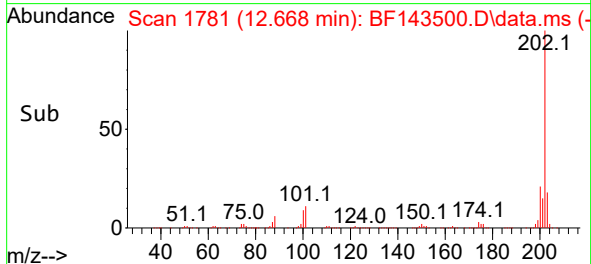
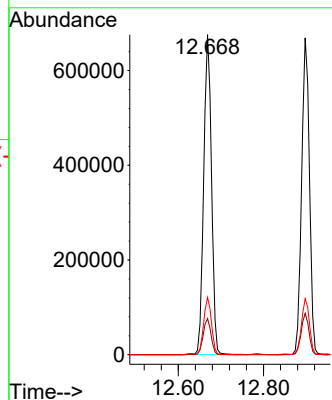
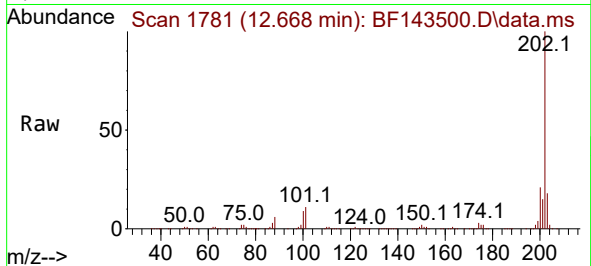




#75
Fluoranthene
Concen: 42.907 ng
RT: 12.668 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

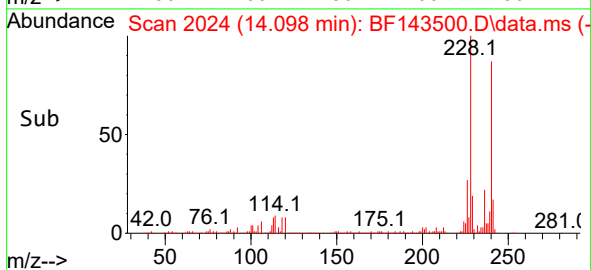
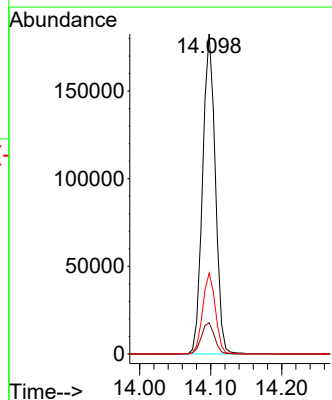
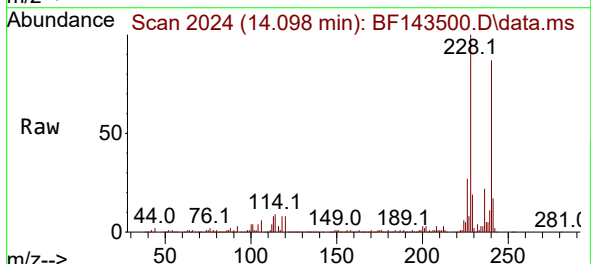
Instrument :
BNA_F
ClientSampleId :
PB169223BS

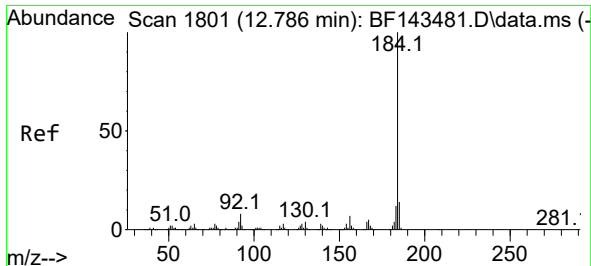
Tgt Ion:202 Resp: 859377
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 17.9 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:240 Resp: 228118
Ion Ratio Lower Upper
240 100
120 9.8 8.6 12.8
236 25.2 20.4 30.6

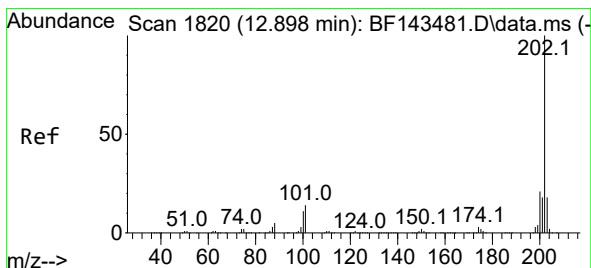
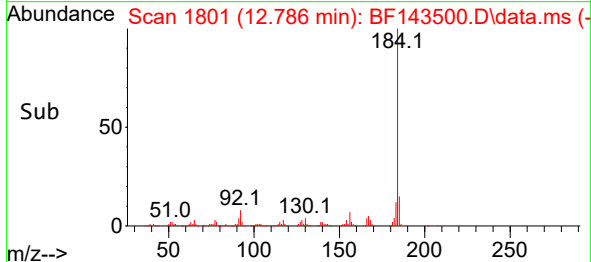
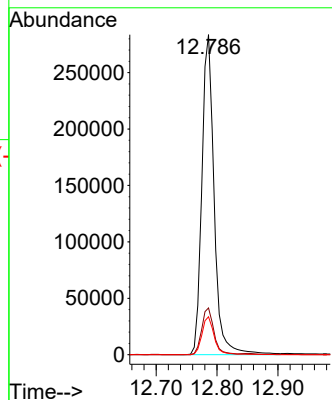
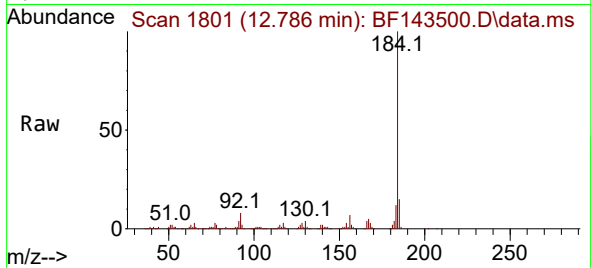




#77
Benzidine
Concen: 71.772 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

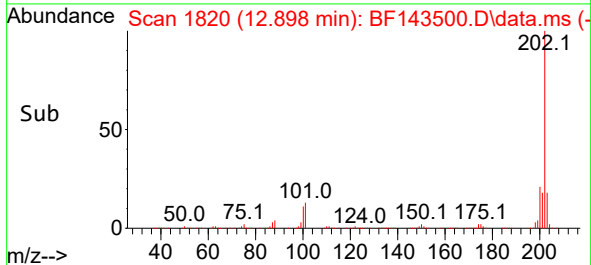
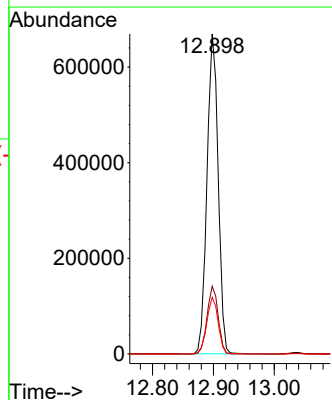
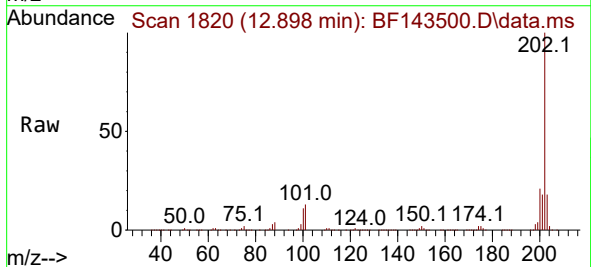
Instrument :
BNA_F
ClientSampleId :
PB169223BS

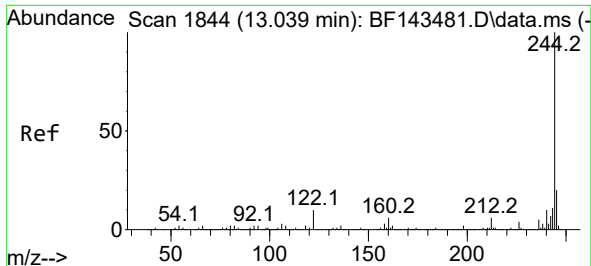
Tgt Ion:184 Resp: 398812
Ion Ratio Lower Upper
184 100
185 14.6 11.3 16.9
183 11.9 9.5 14.3



#78
Pyrene
Concen: 45.376 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:202 Resp: 851461
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.7 14.3 21.5

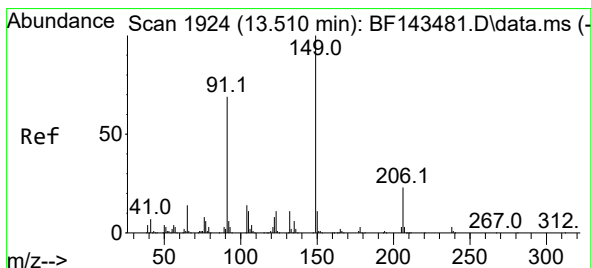
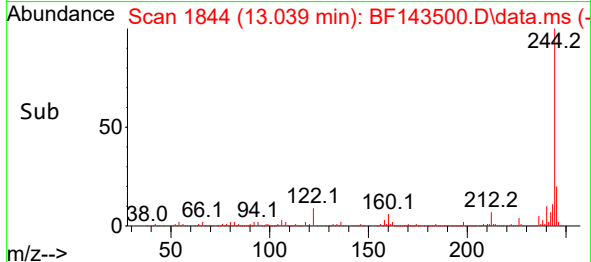
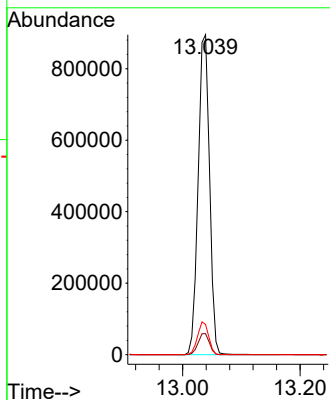
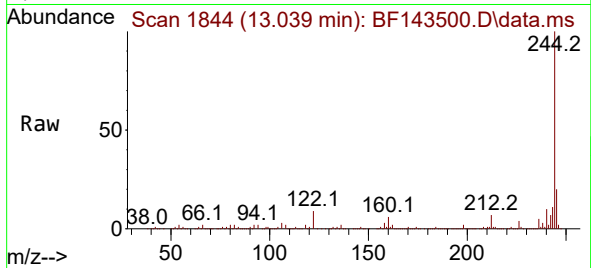




#79
 Terphenyl-d14
 Concen: 91.853 ng
 RT: 13.039 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

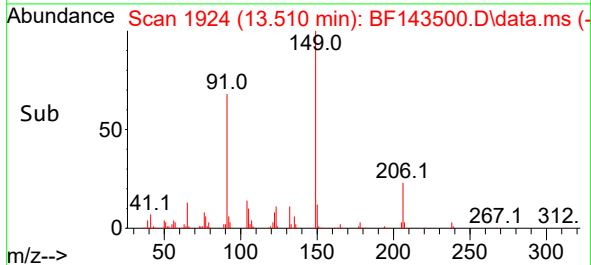
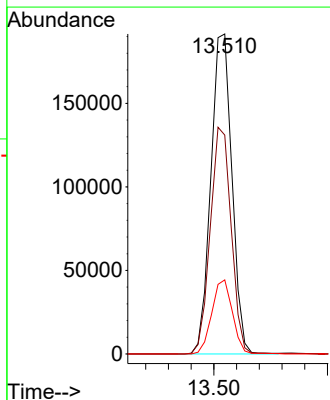
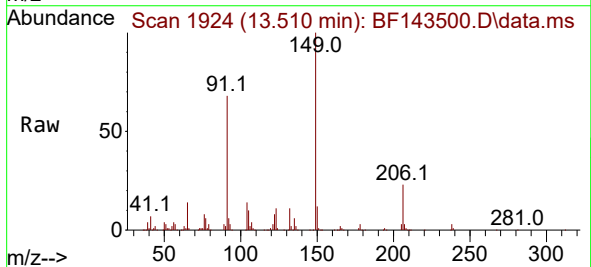
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS

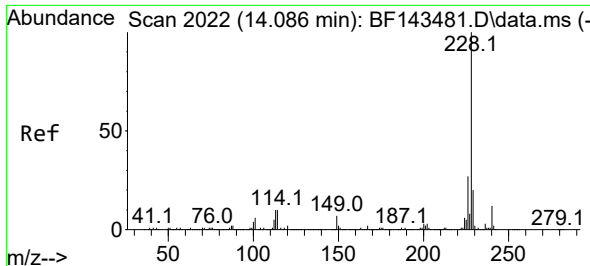
Tgt Ion:244 Resp: 1200740
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 9.5 7.9 11.9



#80
 Butylbenzylphthalate
 Concen: 48.132 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

Tgt Ion:149 Resp: 246733
 Ion Ratio Lower Upper
 149 100
 91 68.4 55.3 82.9
 206 23.2 18.2 27.4

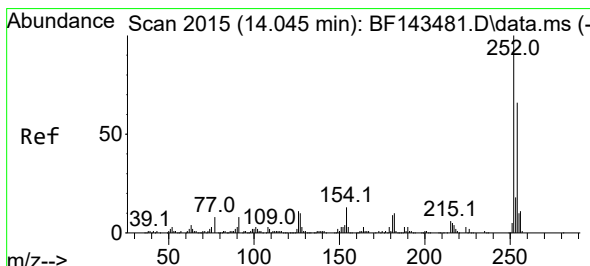
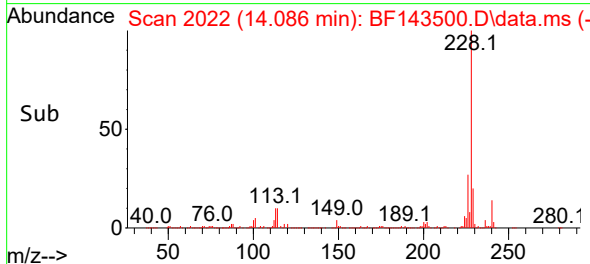
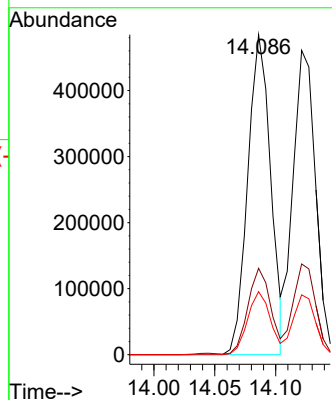
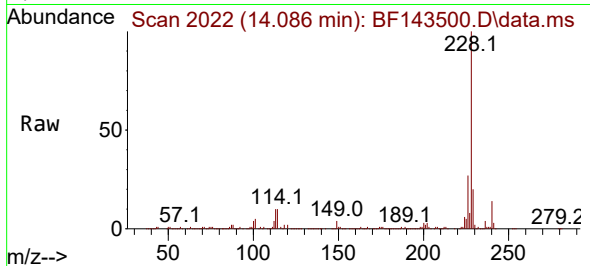




#81
Benzo(a)anthracene
Concen: 43.220 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

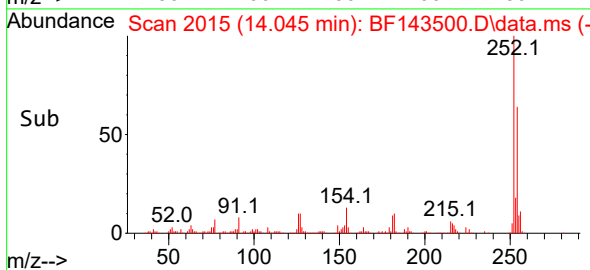
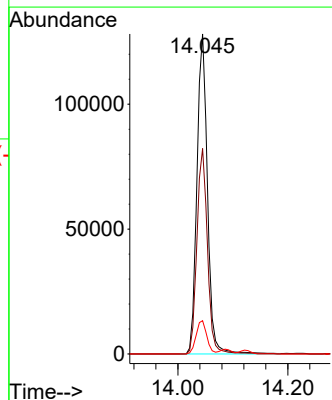
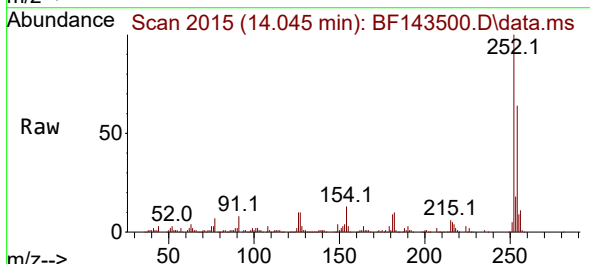
Instrument :
BNA_F
ClientSampleId :
PB169223BS

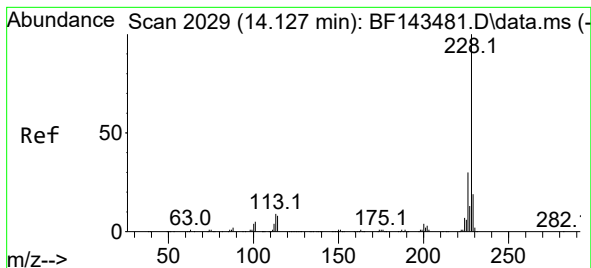
Tgt Ion:228 Resp: 634750
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 19.7 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 40.545 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143500.D
Acq: 20 Aug 2025 23:03

Tgt Ion:252 Resp: 170528
Ion Ratio Lower Upper
252 100
254 64.2 52.6 79.0
126 10.4 8.7 13.1





#83

Chrysene

Concen: 45.126 ng

RT: 14.121 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

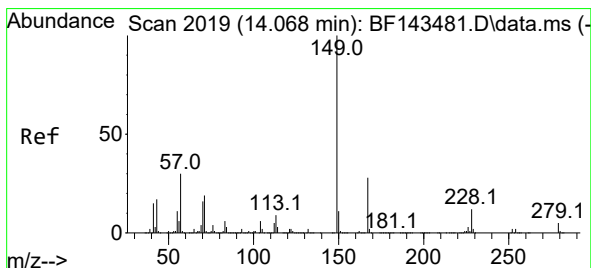
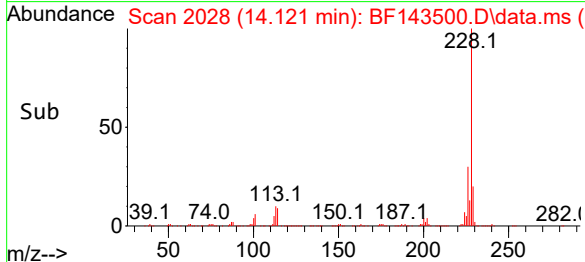
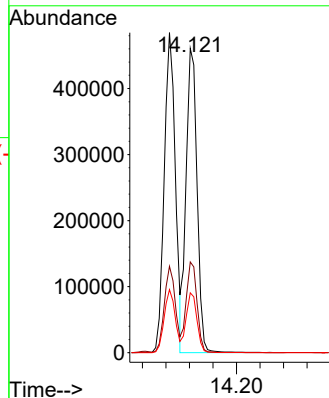
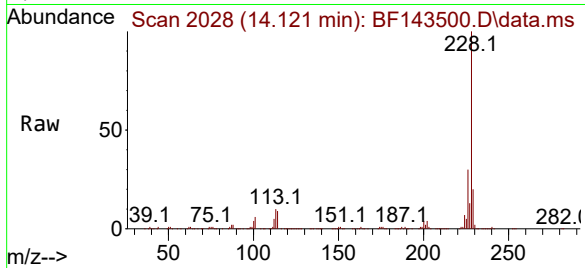
Tgt Ion:228 Resp: 595587

Ion Ratio Lower Upper

228 100

226 29.8 23.7 35.5

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.966 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

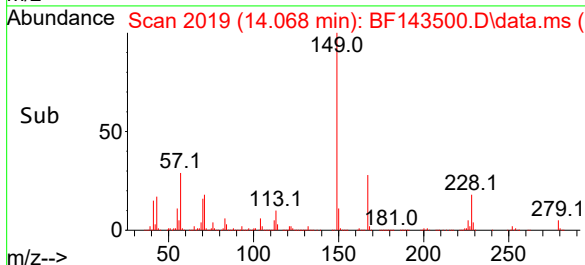
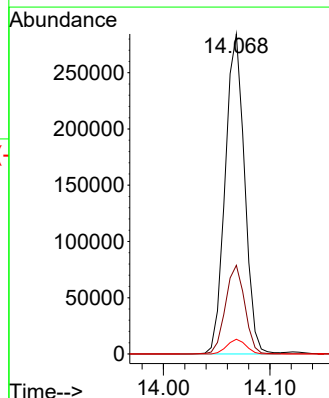
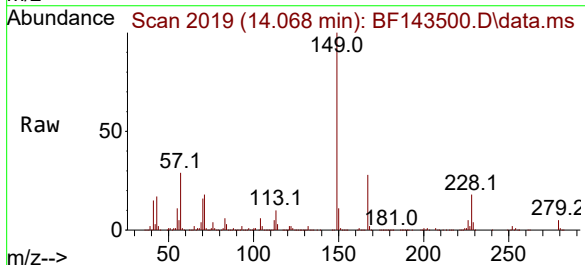
Tgt Ion:149 Resp: 358873

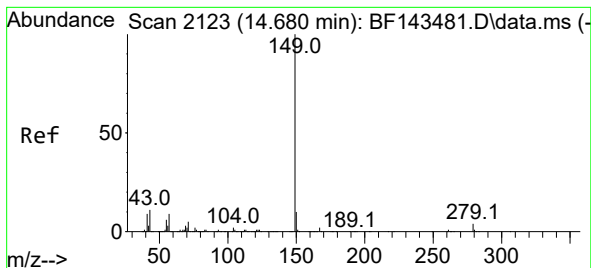
Ion Ratio Lower Upper

149 100

167 27.7 22.2 33.2

279 4.6 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 45.724 ng

RT: 14.680 min Scan# 2123

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

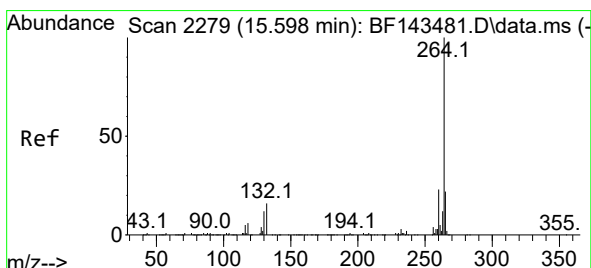
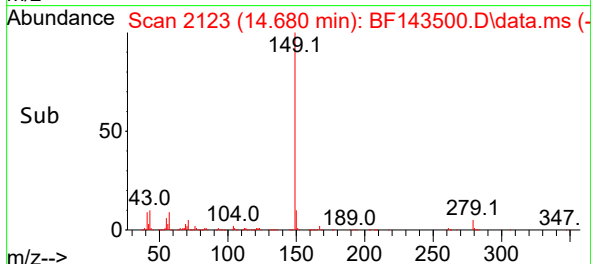
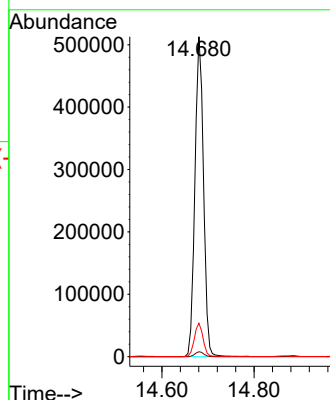
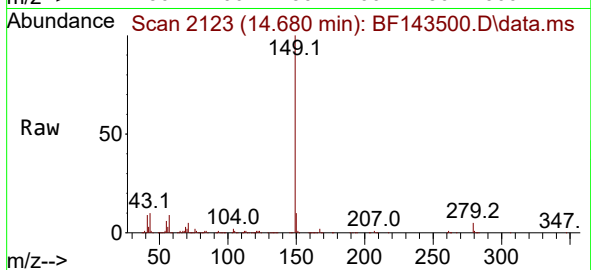
Tgt Ion:149 Resp: 661323

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.6 8.5 12.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

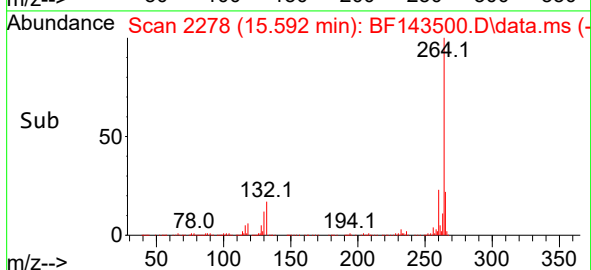
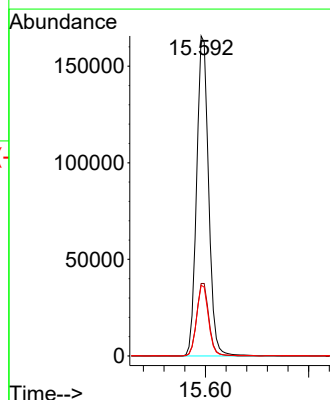
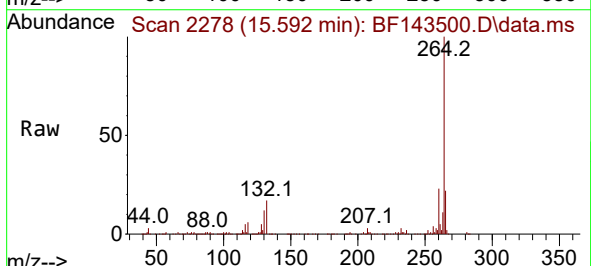
Tgt Ion:264 Resp: 266176

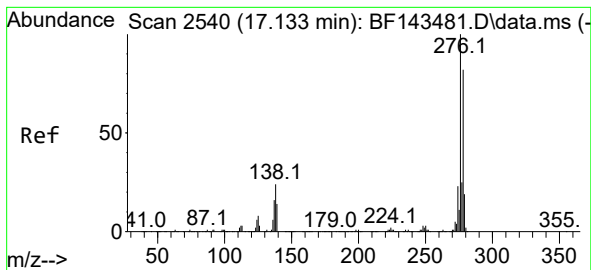
Ion Ratio Lower Upper

264 100

260 22.6 18.7 28.1

265 22.1 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.466 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

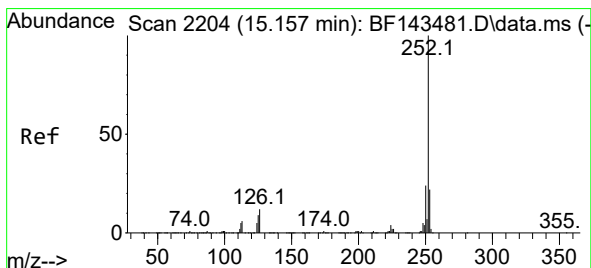
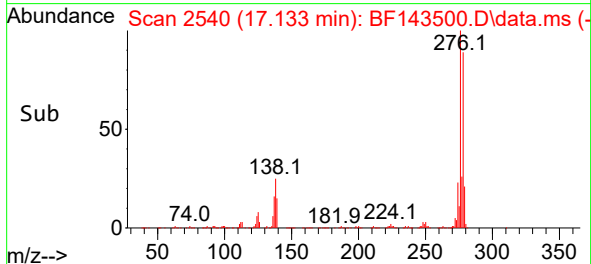
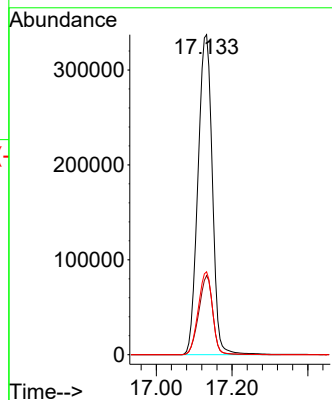
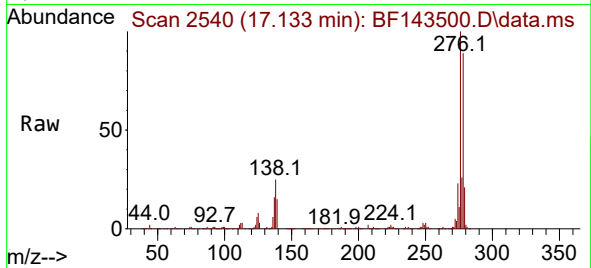
Tgt Ion:276 Resp: 888766

Ion Ratio Lower Upper

276 100

138 24.0 19.2 28.8

277 25.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 44.611 ng

RT: 15.157 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

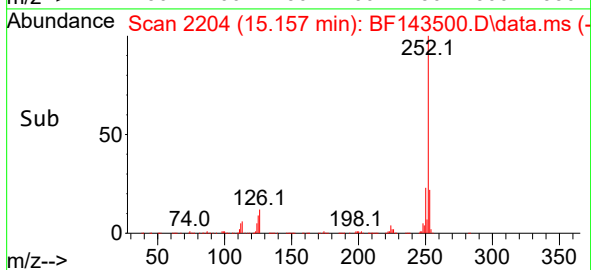
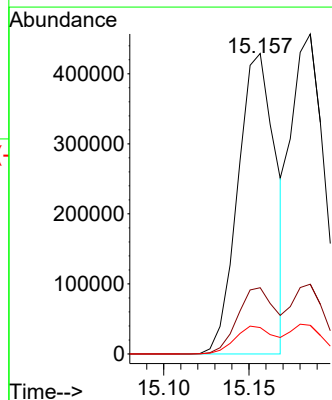
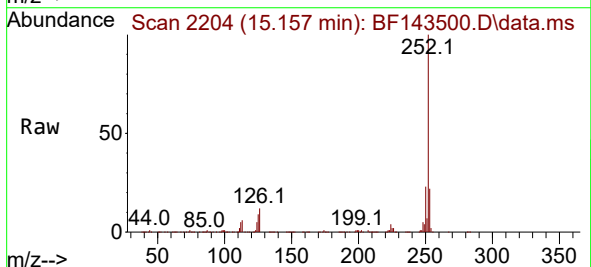
Tgt Ion:252 Resp: 660057

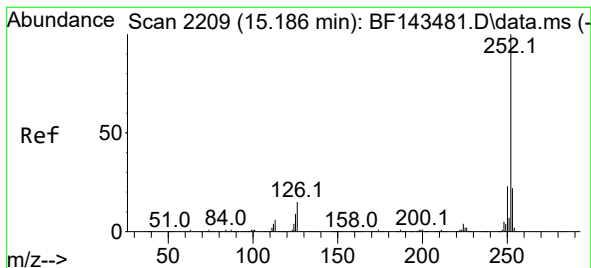
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 8.8 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 44.065 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

Instrument :

BNA_F

ClientSampleId :

PB169223BS

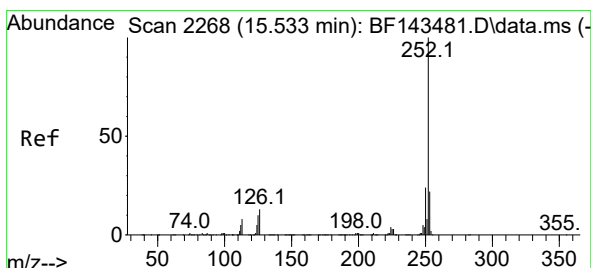
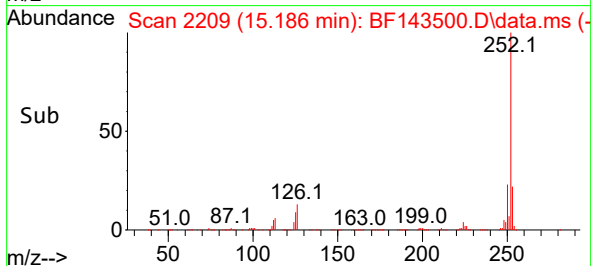
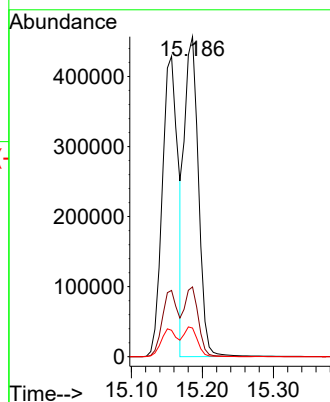
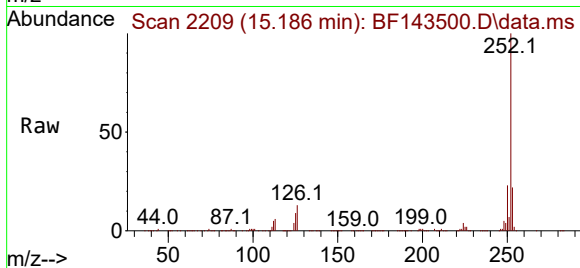
Tgt Ion:252 Resp: 624234

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 9.0 7.4 11.0



#90

Benzo(a)pyrene

Concen: 46.858 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143500.D

Acq: 20 Aug 2025 23:03

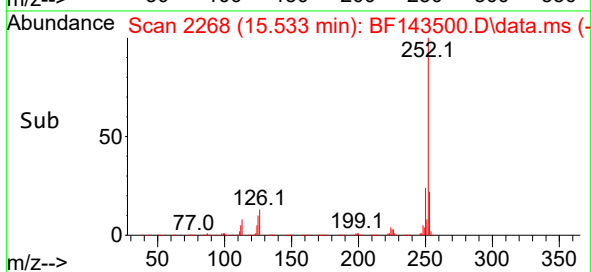
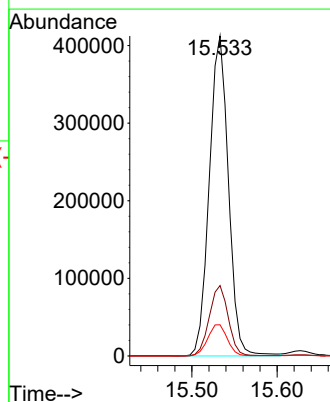
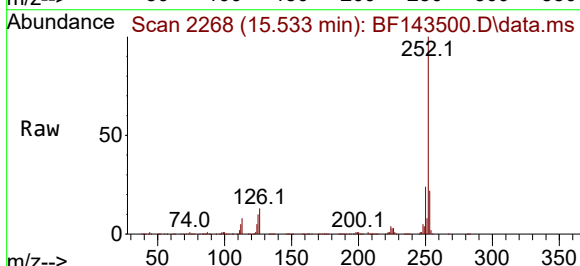
Tgt Ion:252 Resp: 643530

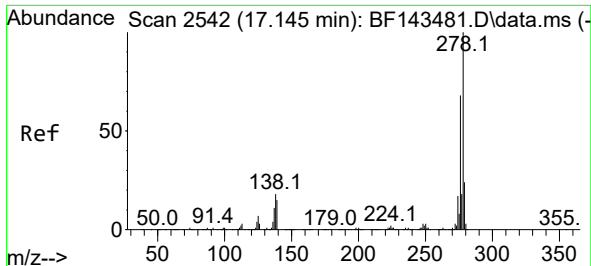
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 9.8 8.2 12.2

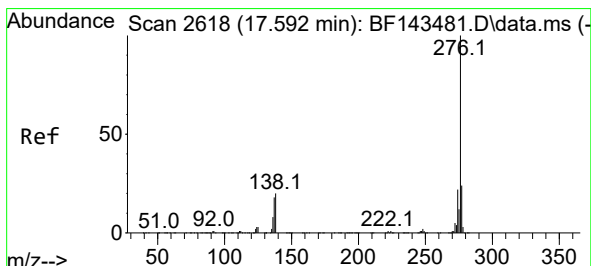
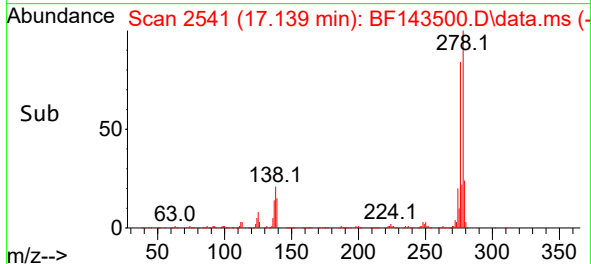
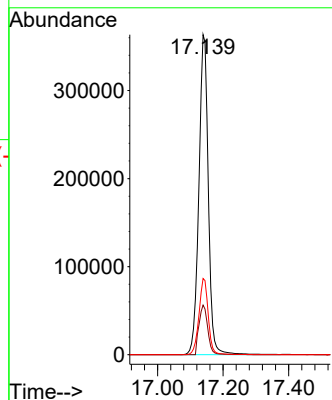
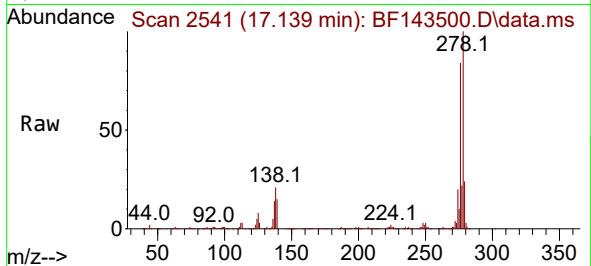




#91
 Dibenzo(a,h)anthracene
 Concen: 47.620 ng
 RT: 17.139 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

Instrument :
 BNA_F
 ClientSampleId :
 PB169223BS

Tgt Ion:278 Resp: 729486
 Ion Ratio Lower Upper
 278 100
 139 15.5 12.1 18.1
 279 23.8 19.2 28.8



#92
 Benzo(g,h,i)perylene
 Concen: 47.146 ng
 RT: 17.592 min Scan# 2618
 Delta R.T. -0.012 min
 Lab File: BF143500.D
 Acq: 20 Aug 2025 23:03

Tgt Ion:276 Resp: 718142
 Ion Ratio Lower Upper
 276 100
 277 23.5 18.9 28.3
 138 20.6 16.3 24.5

